



Band 19_Ant 11										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Time-up (min)	MPR (dB)		
Channel										
Frequency (MHz)										
15	QPSK	1	0	20.99						
15	QPSK	1	37	21.25			22.4	0		
15	QPSK	1	74	21.51						
15	QPSK	36	0	20.99						
15	QPSK	36	20	21.07			22.4	0		
15	QPSK	36	39	21.06						
15	QPSK	75	0	21.50						
15	HQAM	1	0	21.16			22.4	0		
15	HQAM	1	37	21.20						
15	HQAM	1	74	21.22						
15	HQAM	36	0	21.14						
15	HQAM	36	20	21.09			22.4	0		
15	HQAM	36	39	21.09						
15	HQAM	75	0	21.05						
15	HQAM	1	37	21.10			22.4	0		
15	HQAM	1	74	21.11						
15	HQAM	36	0	20.96			21.9	0.5		
15	HQAM	36	20	20.95						
15	HQAM	36	39	20.47						
15	HQAM	75	0	20.88						
Channel										
Frequency (MHz)										
10	QPSK	1	0	20.96	20.87	20.96				
10	QPSK	1	25	21.12	21.11	21.19	22.4	0		
10	QPSK	1	49	20.82	20.76	20.92				
10	QPSK	25	0	21.14	21.12	21.14				
10	QPSK	25	12	20.92	20.98	20.92	22.4	0		
10	QPSK	25	25	20.92	20.90	20.92				
10	QPSK	50	0	20.96	20.94	20.96				
10	HQAM	1	0	21.10	21.16	21.10				
10	HQAM	1	25	21.13	21.16	21.13	22.4	0		
10	HQAM	1	49	21.11	21.13	21.11				
10	HQAM	25	0	21.08	20.96	21.08				
10	HQAM	25	12	21.03	21.01	21.03	22.4	0		
10	HQAM	25	25	20.90	21.00	20.90				
10	HQAM	50	0	20.96	21.03	20.96				
10	HQAM	1	0	20.89	21.05	20.89				
10	HQAM	1	25	21.00	21.03	21.00	22.4	0		
10	HQAM	1	49	21.03	20.94	21.03				
10	HQAM	25	0	20.41	20.33	20.41				
10	HQAM	25	12	20.50	20.42	20.50	21.9	0.5		
10	HQAM	25	25	20.41	20.36	20.47				
10	HQAM	50	0	20.54	20.58	20.54				
Channel										
Frequency (MHz)										
5	QPSK	1	0	20.82	20.87	20.92				
5	QPSK	1	12	21.09	21.23	21.06	22.4	0		
5	QPSK	1	24	20.88	20.87	20.88				
5	QPSK	12	0	21.08	21.09	21.08				
5	QPSK	12	7	20.90	20.90	20.90	22.4	0		
5	QPSK	12	13	20.92	20.93	20.92				
5	QPSK	25	0	20.93	20.96	20.93				
5	HQAM	1	0	21.02	21.01	21.02	22.4	0		
5	HQAM	1	12	21.11	21.11	21.11				
5	HQAM	1	24	21.17	21.07	21.17				
5	HQAM	12	0	21.14	21.02	21.14	22.4	0		
5	HQAM	12	7	20.94	20.90	20.94				
5	HQAM	12	13	21.09	21.08	21.09	22.4	0		
5	HQAM	25	0	20.96	21.10	20.96				
5	HQAM	1	0	20.89	20.96	20.96	22.4	0		
5	HQAM	1	12	21.01	21.01	21.01				
5	HQAM	1	24	21.04	21.03	21.04				
5	HQAM	12	0	20.40	20.44	20.40	21.9	0.5		
5	HQAM	12	7	20.50	20.50	20.50				
5	HQAM	12	13	20.39	20.36	20.39				
5	HQAM	25	0	20.50	20.54	20.50				

Band 19_Ant 41										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Time-up (min)	MPR (dB)		
Channel										
Frequency (MHz)										
15	QPSK	1	0	23.18			24.9	0		
15	QPSK	1	37	23.43						
15	QPSK	1	74	23.18						
15	QPSK	36	0	23.37			23.9	1		
15	QPSK	36	20	23.34						
15	QPSK	36	39	23.31						
15	QPSK	75	0	23.28						
15	HQAM	1	0	23.55			23.9	1		
15	HQAM	1	37	23.48						
15	HQAM	1	74	23.48						
15	HQAM	36	0	23.29			22.9	2		
15	HQAM	36	20	23.42						
15	HQAM	36	39	23.31						
15	HQAM	75	0	23.40						
15	HQAM	1	37	23.48			22.9	2		
15	HQAM	1	74	23.38						
15	HQAM	36	0	23.55			21.9	3		
15	HQAM	36	20	20.53						
15	HQAM	36	39	20.53						
15	HQAM	75	0	20.49						
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.25	23.32	23.36				
10	QPSK	1	25	23.38	23.41	23.26	24.9	0		
10	QPSK	1	49	23.19	23.30	23.33				
10	QPSK	25	0	23.24	23.18	23.24				
10	QPSK	25	12	23.29	23.28	23.29	23.9	1		
10	QPSK	25	25	23.32	23.38	23.26				
10	QPSK	50	0	23.30	23.30	23.28				
10	HQAM	1	0	23.48	23.48	23.43				
10	HQAM	1	25	23.42	23.37	23.39	23.9	1		
10	HQAM	1	49	23.48	23.13	23.14				
10	HQAM	25	0	23.24	23.17	23.21				
10	HQAM	25	12	23.18	23.26	23.38	22.9	2		
10	HQAM	25	25	23.26	23.30	23.30				
10	HQAM	50	0	23.33	23.23	23.24				
10	HQAM	1	0	23.19	23.53	23.55				
10	HQAM	1	25	23.53	23.52	23.52	22.9	2		
10	HQAM	1	49	23.53	23.55	23.55				
10	HQAM	25	0	20.45	20.43	20.38				
10	HQAM	25	12	20.45	20.43	20.42	21.9	3		
10	HQAM	25	25	20.53	20.50	20.36				
10	HQAM	50	0	20.58	20.41	20.39				
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.34	23.23	23.40				
5	QPSK	1	12	23.32	23.38	23.31	24.9	0		
5	QPSK	1	24	23.34	23.28	23.40				
5	QPSK	12	0	23.24	23.23	23.28				
5	QPSK	12	7	23.36	23.24	23.28	23.9	1		
5	QPSK	12	13	23.22	23.27	23.29				
5	QPSK	25	0	23.18	23.20	23.30				
5	HQAM	1	0	23.21	23.27	23.41	23.9	1		
5	HQAM	1	12	23.30	23.29	23.30				
5	HQAM	1	24	23.35	23.48	23.36				
5	HQAM	12	0	23.19	23.15	23.29	22.9	2		
5	HQAM	12	7	23.17	23.24	23.28				
5	HQAM	12	13	23.24	23.20	23.23	22.9	2		
5	HQAM	25	0	23.29	23.28	23.21				
5	HQAM	1	0	23.47	23.62	23.54	22.9	2		
5	HQAM	1	12	23.59	23.54	23.54				
5	HQAM	1	24	23.53	23.68	23.36				
5	HQAM	12	0	20.51	20.39	20.50	21.9	3		
5	HQAM	12	7	20.59	20.41	20.56				
5	HQAM	12	13	20.52	20.47	20.45				
5	HQAM	25	0	20.31	20.43	20.50				

Band 26_Ant11										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Time-up (min)	MPR (dB)		
Channel										
Frequency (MHz)										
15	QPSK	1	0	21.41	21.36	21.43				
15	QPSK	1	37	21.57	21.54	21.57	23	0		
15	QPSK	1	74	21.52	21.38	21.36				
15	QPSK	36	0	21.63	21.45	21.39				
15	QPSK	36	20	21.38	21.38	21.32				



Band 66_Ant14										
BW (MHz)	Modulation	RB Slot	RB Offset	Power Level Ch. 1 / Freq.	Power Level Ch. 2 / Freq.	Power Level Ch. 3 / Freq.	Time-Int. (dB)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	16.15	16.20	16.23	17.5	0		
20	QPSK	1	49	16.22	16.30	16.25				
20	QPSK	99	99	16.13	16.20	16.12				
20	QPSK	50	0	16.14	16.20	16.21	17.5	0		
20	QPSK	50	24	16.14	16.16	16.13				
20	QPSK	50	50	16.16	16.20	16.12				
20	QPSK	100	0	16.15	16.20	16.21				
20	HQAM	1	0	16.09	16.11	16.18				
20	HQAM	1	49	16.07	16.10	16.20	17.5	0		
20	HQAM	1	99	16.10	16.20	16.19				
20	HQAM	50	0	16.16	16.20	16.23				
20	HQAM	50	24	16.15	16.20	16.23	17.5	0		
20	HQAM	50	50	16.05	16.20	16.16				
20	HQAM	100	0	16.06	16.24	16.16				
20	HQAM	1	0	16.15	16.20	16.13				
20	HQAM	1	49	16.14	16.11	16.17	17.5	0		
20	HQAM	1	99	16.16	16.20	16.19				
20	HQAM	50	0	16.11	16.20	16.20				
20	HQAM	50	24	16.04	16.20	16.11	17.5	0		
20	HQAM	50	50	16.09	16.27	16.22				
20	HQAM	100	0	16.11	16.20	16.23				
Channel										
Frequency (MHz)										
15	QPSK	1	0	16.00	16.20	16.11	17.5	0		
15	QPSK	1	37	16.04	16.20	16.23				
15	QPSK	1	74	16.00	16.20	16.09				
15	QPSK	36	0	16.02	16.23	16.06				
15	QPSK	36	20	16.03	16.14	16.06	17.5	0		
15	QPSK	36	20	16.00	16.20	16.09				
15	QPSK	75	0	16.01	16.18	16.01				
15	HQAM	1	0	16.01	16.24	16.12				
15	HQAM	1	37	16.05	16.21	16.00	17.5	0		
15	HQAM	1	74	16.08	16.24	16.00				
15	HQAM	36	0	16.08	16.24	16.10				
15	HQAM	36	20	16.06	16.18	16.10	17.5	0		
15	HQAM	36	20	16.06	16.20	16.09				
15	HQAM	75	0	16.04	16.20	16.13				
15	HQAM	1	0	16.04	16.28	16.07				
15	HQAM	1	37	16.04	16.18	16.12	17.5	0		
15	HQAM	1	74	16.08	16.20	16.07				
15	HQAM	36	0	16.08	16.22	16.13				
15	HQAM	36	20	16.02	16.24	16.00	17.5	0		
15	HQAM	36	20	16.06	16.18	16.06				
15	HQAM	75	0	16.06	16.14	16.07				
Channel										
Frequency (MHz)										
10	QPSK	1	0	16.14	16.22	16.11	17.5	0		
10	QPSK	1	25	16.05	16.24	16.05				
10	QPSK	1	49	16.00	16.23	16.11				
10	QPSK	25	0	16.08	16.23	16.04				
10	QPSK	25	12	16.02	16.23	16.05	17.5	0		
10	QPSK	25	25	16.09	16.15	16.01				
10	QPSK	50	0	16.02	16.20	16.07				
10	HQAM	1	0	16.04	16.18	16.00	17.5	0		
10	HQAM	1	25	16.08	16.18	16.07				
10	HQAM	1	49	16.04	16.18	16.10				
10	HQAM	25	0	16.04	16.17	16.11	17.5	0		
10	HQAM	25	12	16.00	16.27	16.00				
10	HQAM	25	25	16.04	16.19	16.04				
10	HQAM	50	0	16.03	16.22	16.00				
10	HQAM	1	0	16.01	16.10	16.06	17.5	0		
10	HQAM	1	25	16.06	16.27	16.00				
10	HQAM	1	49	16.04	16.24	16.05				
10	HQAM	25	0	16.04	16.23	16.09				
10	HQAM	25	12	16.06	16.21	16.00	17.5	0		
10	HQAM	25	25	16.00	16.27	16.10				
10	HQAM	50	0	16.08	16.23	16.01				
Channel										
Frequency (MHz)										
5	QPSK	1	0	16.04	16.17	16.12	17.5	0		
5	QPSK	1	12	16.02	16.28	16.08				
5	QPSK	1	24	16.00	16.16	16.00				
5	QPSK	12	0	16.01	16.15	16.03	17.5	0		
5	QPSK	12	7	16.01	16.17	16.00				
5	QPSK	12	13	16.00	16.20	16.05				
5	QPSK	25	0	16.04	16.17	16.08				
5	HQAM	1	0	16.04	16.20	16.12				
5	HQAM	1	12	16.05	16.22	16.08	17.5	0		
5	HQAM	1	24	16.03	16.15	16.08				
5	HQAM	12	0	16.02	16.21	16.07				
5	HQAM	12	7	16.05	16.27	16.00	17.5	0		
5	HQAM	12	13	16.06	16.22	16.05				
5	HQAM	25	0	16.05	16.17	16.00				
5	HQAM	1	0	16.00	16.27	16.00	17.5	0		
5	HQAM	1	12	16.06	16.20	16.03				
5	HQAM	1	24	16.05	16.28	16.01				
5	HQAM	12	0	16.00	16.26	16.00	17.5	0		
5	HQAM	12	7	16.08	16.20	16.02				
5	HQAM	12	13	16.06	16.20	16.09				
5	HQAM	25	0	16.02	16.19	16.00	17.5	0		
Channel										
Frequency (MHz)										
3	QPSK	1	0	16.00	16.14	16.00	17.5	0		
3	QPSK	1	8	16.00	16.21	16.12				
3	QPSK	15	0	16.03	16.28	16.02				
3	QPSK	8	0	16.05	16.14	16.03				
3	QPSK	8	4	16.04	16.15	16.12	17.5	0		
3	QPSK	8	7	16.02	16.24	16.00				
3	QPSK	15	0	16.03	16.18	16.06				
3	HQAM	1	0	16.02	16.18	16.07	17.5	0		
3	HQAM	1	8	16.08	16.26	16.00				
3	HQAM	8	0	16.06	16.17	16.06				
3	HQAM	8	4	16.04	16.20	16.08	17.5	0		
3	HQAM	8	7	16.00	16.27	16.08				
3	HQAM	15	0	16.02	16.20	16.09				
3	HQAM	1	0	16.00	16.17	16.04				
3	HQAM	1	8	16.04	16.23	16.01	17.5	0		
3	HQAM	1	14	16.02	16.26	16.07				
3	HQAM	8	0	16.08	16.17	16.11				
3	HQAM	8	4	16.05	16.19	16.08	17.5	0		
3	HQAM	8	7	16.02	16.21	16.05				
3	HQAM	15	0	16.01	16.26	16.02				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	16.06	16.10	16.13	17.5	0		
1.4	QPSK	1	3	16.03	16.17	16.01				
1.4	QPSK	1	6	16.04	16.17	16.03				
1.4	QPSK	3	0	16.02	16.18	16.13				
1.4	QPSK	3	3	16.06	16.19	16.04				
1.4	QPSK	3	6	16.04	16.14	16.07				
1.4	QPSK	6	0	16.03	16.17	16.00	17.5	0		
1.4	HQAM	1	0	16.06	16.16	16.12				
1.4	HQAM	1	3	16.00	16.21	16.00				
1.4	HQAM	1	6	16.02	16.21	16.04	17.5	0		
1.4	HQAM	3	0	16.02	16.19	16.05				
1.4	HQAM	3	1	16.04	16.14	16.00				
1.4	HQAM	3	3	16.06	16.28	16.13				
1.4	HQAM	6	0	16.00	16.24	16.11	17.5	0		
1.4	HQAM	1	0	16.03	16.26	16.13				
1.4	HQAM	1	3	16.05	16.17	16.02				
1.4	HQAM	1	6	16.07	16.24	16.09				
1.4	HQAM	3	0	16.06	16.23	16.06	17.5	0		
1.4	HQAM	3	1	16.08	16.17	16.00				
1.4	HQAM	3	3	16.05	16.19	16.07				
1.4	HQAM	6	0	16.06	16.19	16.09	17.5	0		

Band 66_Ant31										
BW (MHz)	Modulation	RB Slot	RB Offset	Power Level Ch. 1 / Freq.	Power Level Ch. 2 / Freq.	Power Level Ch. 3 / Freq.	Time-Int. (dB)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	23.08	23.28	23.11				
20	QPSK	1	49	23.15	23.35	23.19	24	0		
20	QPSK	1	99	23.07	23.20	23.12				
20	QPSK	50	0	23.11						



Band 38_Ant31									
BW (MHz)	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	23.44	23.57	23.38	24.8	0	
20	QPSK	1	49	23.70	23.85	23.61			
20	QPSK	1	99	23.52	23.63	23.53			
20	QPSK	50	0	22.65	22.55	22.52			
20	QPSK	50	24	22.58	22.52	22.56			
20	QPSK	50	50	22.48	22.58	22.60			
20	QPSK	100	0	22.63	22.60	22.55			
20	16QAM	1	0	22.39	22.53	22.43			
20	16QAM	1	49	22.59	22.87	22.80			
20	16QAM	1	99	22.44	22.65	22.48			
20	16QAM	50	0	21.52	21.73	21.49			
20	16QAM	50	24	21.53	21.76	21.58			
20	16QAM	50	50	21.47	21.70	21.56			
20	16QAM	100	0	21.50	21.75	21.57			
20	64QAM	1	0	21.14	21.40	21.06			
20	64QAM	1	49	21.31	21.53	21.35			
20	64QAM	1	99	21.16	21.39	21.29			
20	64QAM	50	0	20.82	20.88	20.59			
20	64QAM	50	24	20.67	20.91	20.68			
20	64QAM	50	50	20.56	20.86	20.75			
20	64QAM	100	0	20.67	20.88	20.70			
Channel			37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)			2577.5	2595	2612.5				
15	QPSK	1	0	23.46	23.60	23.50	24.8	0	
15	QPSK	1	37	23.59	23.66	23.62			
15	QPSK	1	74	23.41	23.64	23.59			
15	QPSK	36	0	22.49	22.56	22.51			
15	QPSK	36	20	22.52	22.58	22.54			
15	QPSK	36	39	22.41	22.61	22.51			
15	QPSK	75	0	22.49	22.62	22.55			
15	16QAM	1	0	22.37	22.52	22.51			
15	16QAM	1	37	22.58	22.68	22.68			
15	16QAM	1	74	22.43	22.58	22.80			
15	16QAM	36	0	21.43	21.54	21.45			
15	16QAM	36	20	21.44	21.56	21.51			
15	16QAM	36	39	21.38	21.58	21.53			
15	16QAM	75	0	21.51	21.59	21.80			
15	64QAM	1	0	21.18	21.34	21.27			
15	64QAM	1	37	21.36	21.47	21.29			
15	64QAM	1	74	21.09	21.30	21.31			
15	64QAM	36	0	20.68	20.76	20.67			
15	64QAM	36	20	20.64	20.73	20.68			
15	64QAM	36	39	20.57	20.80	20.74			
15	64QAM	75	0	20.68	20.78	20.75			
Channel			37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)			2575	2595	2615				
10	QPSK	1	0	23.55	23.57	23.55	24.8	0	
10	QPSK	1	25	23.55	23.63	23.67			
10	QPSK	1	49	23.51	23.67	23.67			
10	QPSK	25	0	22.49	22.63	22.55			
10	QPSK	25	12	22.48	22.66	22.59			
10	QPSK	25	25	22.49	22.60	22.62			
10	QPSK	50	0	22.50	22.63	22.63			
10	16QAM	1	0	22.51	22.56	22.60			
10	16QAM	1	25	22.57	22.71	22.66			
10	16QAM	1	49	22.54	22.67	22.65			
10	16QAM	25	0	21.58	21.67	21.57			
10	16QAM	25	12	21.50	21.68	21.59			
10	16QAM	25	25	21.46	21.62	21.65			
10	16QAM	50	0	21.50	21.66	21.62			
10	64QAM	1	0	21.23	21.31	21.32			
10	64QAM	1	25	21.28	21.43	21.40			
10	64QAM	1	49	21.22	21.36	21.34			
10	64QAM	25	0	20.76	20.83	20.80			
10	64QAM	25	12	20.70	20.87	20.91			
10	64QAM	25	25	20.64	20.80	20.87			
10	64QAM	50	0	20.61	20.79	20.78			
Channel			37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)			2572.5	2595	2617.5				
5	QPSK	1	0	23.49	23.67	23.61	24.8	0	
5	QPSK	1	12	23.57	23.58	23.64			
5	QPSK	1	24	23.52	23.69	23.66			
5	QPSK	12	0	22.51	22.68	22.61			
5	QPSK	12	7	22.45	22.61	22.62			
5	QPSK	12	13	22.48	22.56	22.65			
5	QPSK	25	0	22.48	22.62	22.69			
5	16QAM	1	0	22.43	22.60	22.64			
5	16QAM	1	12	22.54	22.68	22.64			
5	16QAM	1	24	22.48	22.66	22.71			
5	16QAM	12	0	21.48	21.63	21.59			
5	16QAM	12	7	21.39	21.53	21.61			
5	16QAM	12	13	21.40	21.54	21.58			
5	16QAM	25	0	21.55	21.64	21.67			
5	64QAM	1	0	21.20	21.47	21.31			
5	64QAM	1	12	21.27	21.49	21.41			
5	64QAM	1	24	21.23	21.45	21.42			
5	64QAM	12	0	20.66	20.86	20.77			
5	64QAM	12	7	20.61	20.80	20.85			
5	64QAM	12	13	20.65	20.78	20.82			
5	64QAM	25	0	20.75	20.87	20.87			

Band 38_Ant14									
BW (MHz)	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	16.02	16.06	15.91	17.3	0	
20	QPSK	1	49	16.08	16.05	16.01			
20	QPSK	1	99	16.04	15.96	16.01			
20	QPSK	50	0	16.07	16.08	15.91			
20	QPSK	50	24	16.08	16.03	15.97			
20	QPSK	50	50	16.07	16.07	15.97			
20	QPSK	100	0	16.05	16.05	15.97			
20	16QAM	1	0	16.00	16.05	15.95			
20	16QAM	1	49	16.05	16.02	15.94			
20	16QAM	1	99	16.06	15.96	15.89			
20	16QAM	50	0	16.02	16.02	15.92			
20	16QAM	50	24	15.99	16.01	15.96			
20	16QAM	50	50	16.08	16.04	15.98			
20	16QAM	100	0	16.03	16.04	15.93			
20	64QAM	1	0	16.05	16.03	15.91			
20	64QAM	1	49	16.04	15.97	16.01			
20	64QAM	1	99	16.00	16.07	15.96			
20	64QAM	50	0	16.00	15.99	15.94			
20	64QAM	50	24	16.08	16.03	15.92			
20	64QAM	50	50	15.99	16.07	15.99			
20	64QAM	100	0	16.05	16.06	16.03			
Channel			37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)			2577.5	2595	2612.5				
15	QPSK	1	0	15.80	15.89	15.71	17.3	0	
15	QPSK	1	37	15.86	15.82	15.76			
15	QPSK	1	74	15.82	15.77	15.69			
15	QPSK	36	0	15.83	15.81	15.71			
15	QPSK	36	20	15.82	15.83	15.80			
15	QPSK	36	39	15.81	15.86	15.82			
15	QPSK	75	0	15.84	15.76	15.73			
15	16QAM	1	0	15.86	15.89	15.75			
15	16QAM	1	37	15.79	15.76	15.75			
15	16QAM	1	74	15.91	15.85	15.80			
15	16QAM	36	0	15.87	15.88	15.74			
15	16QAM	36	20	15.86	15.87	15.76			
15	16QAM	36	39	15.89	15.87	15.77			
15	16QAM	75	0	15.91	15.88	15.79			
15	64QAM	1	0	15.93	15.86	15.73			
15	64QAM	1	37	15.86	15.86	15.77			
15	64QAM	1	74	15.80	15.86	15.76			
15	64QAM	36	0	15.80	15.89	15.79			
15	64QAM	36	20	15.93	15.85	15.71			
15	64QAM	36	39	15.86	15.76	15.82			
15	64QAM	75	0	15.81	15.83	15.82			
Channel			37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)			2575	2595	2615				
10	QPSK	1	0	15.89	15.79	15.82	17.3	0	
10	QPSK	1	25	15.83	15.87	15.76			
10	QPSK	1	49	15.82	15.82	15.75			
10	QPSK	25	0	15.83	15.77	15.80			
10	QPSK	25	12	15.83	15.86	15.99			
10	QPSK	25	25	15.82	15.89	15.77			
10	QPSK	50	0	15.85	15.81	15.80			
10	16QAM	1	0	15.86	15.87	15.80			
10	16QAM	1	25	15.82	15.77	15.77			
10	16QAM	1	49	15.88	15.77	15.76			
10	16QAM	25	0	15.84	15.81	15.76			
10	16QAM	25	12	15.79	15.79	15.74			
10	16QAM	25	25	15.87	15.82	15.81			
10	16QAM	50	0	15.80	15.82	15.77			
10	64QAM	1	0	15.91	15.87	15.73			
10	64QAM	1	25	15.90	15.79	15.70			
10	64QAM	1	49	15.81	15.88	15.72			
10	64QAM	25	0	15.86	15.90	15.74			
10	64QAM	25	12	15.91	15.84	15.72			
10	64QAM	25	25	15.82	15.82	15.77			
10	64QAM	50	0	15.86	15.84	15.82			
Channel			37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)			2572.5	2595	2617.5				
5	QPSK	1	0	15.83	15.87	15.73	17.3	0	
5	QPSK	1	12	15.81	15.84	15.78			
5	QPSK	1	24	15.86	15.90	15.69			
5	QPSK	12	0	15.90	15.88	15.81			
5	QPSK	12	7	15.88	15.89	15.83			
5	QPSK	12	13	15.83	15.82	15.80			
5	QPSK	25	0	15.86	15.86	15.74			
5	16QAM	1	0	15.91	15.81	15.72			
5	16QAM	1	12	15.87	15.88	15.75			
5	16QAM	1	24	15.79	15.79	15.75			
5	16QAM	12	0	15.86	15.87	15.80			
5	16QAM	12	7	15.90	15.89	15.75			
5	16QAM	12	13	15.81	15.78	15.83			
5	16QAM	25	0	15.86	15.83	15.81			
5	64QAM	1	0	15.88	15.76	15.71			
5	64QAM	1	12	15.82	15.77	15.78			
5	64QAM	1	24	15.86	15.78	15.79			
5	64QAM	12	0	15.85	15.79	15.74			
5	64QAM	12	7	15.92	15.83				



Band 41_Ant31

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)				39750	40185	40620	41055	41490		
20	QPSK	1	0	23.44	23.38	23.52	23.47	23.36	24.8	0
20	QPSK	1	49	23.50	23.48	23.71	23.62	23.60		
20	QPSK	1	99	23.39	23.35	23.60	23.45	23.45	23.8	1
20	QPSK	50	0	22.38	22.49	22.66	22.53	22.54		
20	QPSK	50	24	22.50	22.49	22.60	22.55	22.55	23.8	1
20	QPSK	50	50	22.53	22.45	22.53	22.58	22.55		
20	QPSK	100	0	22.42	22.46	22.60	22.56	22.51	23.8	1
20	16QAM	1	0	22.39	22.28	22.56	22.45	22.37		
20	16QAM	1	49	22.54	22.56	22.71	22.60	22.64	23.8	1
20	16QAM	1	99	22.40	22.33	22.60	22.42	22.46		
20	16QAM	50	0	21.62	21.53	21.62	21.52	21.52	22.8	2
20	16QAM	50	24	21.73	21.51	21.66	21.56	21.57		
20	16QAM	50	50	21.72	21.46	21.64	21.53	21.53	22.8	2
20	16QAM	100	0	21.64	21.49	21.60	21.59	21.52		
20	64QAM	1	0	21.30	21.06	21.16	21.14	21.12	22.8	2
20	64QAM	1	49	21.41	21.25	21.42	21.40	21.30		
20	64QAM	1	99	21.27	21.05	21.30	21.15	21.19	21.8	3
20	64QAM	50	0	20.54	20.66	20.78	20.68	20.66		
20	64QAM	50	24	20.61	20.66	20.83	20.72	20.73	21.8	3
20	64QAM	50	50	20.66	20.56	20.81	20.69	20.70		
20	64QAM	100	0	20.58	20.62	20.77	20.67	20.65	Tune-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)				39725	40173	40620	41063	41515		
15	QPSK	1	0	23.43	23.46	23.43	23.47	23.43	24.80	0
15	QPSK	1	37	23.53	23.67	23.70	23.69	23.54		
15	QPSK	1	74	23.48	23.43	23.58	23.56	23.45	23.8	1
15	QPSK	36	0	22.39	22.39	22.56	22.49	22.41		
15	QPSK	36	20	22.44	22.47	22.58	22.51	22.42	23.8	1
15	QPSK	36	39	22.47	22.45	22.64	22.51	22.41		
15	QPSK	75	0	22.48	22.47	22.56	22.52	22.44	23.8	1
15	16QAM	1	0	22.45	22.36	22.47	22.46	22.36		
15	16QAM	1	37	22.55	22.63	22.67	22.58	22.57	23.8	1
15	16QAM	1	74	22.47	22.43	22.43	22.43	22.47		
15	16QAM	36	0	21.54	21.59	21.53	21.46	21.39	22.8	2
15	16QAM	36	20	21.64	21.60	21.58	21.43	21.39		
15	16QAM	36	39	21.71	21.64	21.61	21.47	21.38	22.8	2
15	16QAM	75	0	21.60	21.66	21.62	21.53	21.46		
15	64QAM	1	0	21.30	21.29	21.27	21.15	21.14	22.8	2
15	64QAM	1	37	21.46	21.43	21.37	21.31	21.37		
15	64QAM	1	74	21.32	21.39	21.29	21.23	21.13	21.8	3
15	64QAM	36	0	20.64	20.66	20.75	20.66	20.58		
15	64QAM	36	20	20.61	20.69	20.79	20.63	20.62	21.8	3
15	64QAM	36	39	20.68	20.67	20.77	20.66	20.58		
15	64QAM	75	0	20.55	20.53	20.78	20.67	20.61	Tune-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)				39700	40160	40620	41080	41540		
10	QPSK	1	0	23.42	23.60	23.58	23.43	23.62	24.80	0
10	QPSK	1	25	23.47	23.66	23.55	23.56	23.69		
10	QPSK	1	49	23.40	23.68	23.58	23.50	23.67	23.8	1
10	QPSK	25	0	22.29	22.61	22.47	22.44	22.65		
10	QPSK	25	12	22.39	22.63	22.46	22.49	22.72	23.8	1
10	QPSK	25	25	22.41	22.71	22.45	22.45	22.71		
10	QPSK	50	0	22.45	22.63	22.47	22.51	22.71	23.8	1
10	16QAM	1	0	22.35	22.59	22.45	22.42	22.62		
10	16QAM	1	25	22.47	22.67	22.56	22.55	22.65	23.8	1
10	16QAM	1	49	22.38	22.61	22.50	22.53	22.73		
10	16QAM	25	0	21.57	21.67	21.47	21.53	21.68	22.8	2
10	16QAM	25	12	21.60	21.67	21.52	21.50	21.74		
10	16QAM	25	25	21.55	21.65	21.52	21.46	21.77	22.8	2
10	16QAM	50	0	21.59	21.61	21.48	21.50	21.75		
10	64QAM	1	0	21.33	21.30	21.25	21.16	21.46	22.8	2
10	64QAM	1	25	21.37	21.46	21.28	21.29	21.50		
10	64QAM	1	49	21.29	21.38	21.17	21.19	21.44	21.8	3
10	64QAM	25	0	20.52	20.80	20.66	20.68	20.92		
10	64QAM	25	12	20.60	20.80	20.68	20.77	20.94	21.8	3
10	64QAM	25	25	20.64	20.86	20.65	20.69	21.01		
10	64QAM	50	0	20.66	20.77	20.64	20.67	20.93	Tune-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)				39675	40148	40620	41093	41565		
5	QPSK	1	0	23.36	23.55	23.46	23.43	23.45	24.80	0
5	QPSK	1	12	23.41	23.63	23.57	23.51	23.53		
5	QPSK	1	24	23.36	23.65	23.52	23.47	23.49	23.8	1
5	QPSK	12	0	22.33	22.55	22.40	22.42	22.41		
5	QPSK	12	7	22.34	22.57	22.39	22.39	22.41	23.8	1
5	QPSK	12	13	22.34	22.58	22.45	22.40	22.39		
5	QPSK	25	0	22.34	22.57	22.41	22.40	22.48	23.8	1
5	16QAM	1	0	22.38	22.58	22.39	22.41	22.41		
5	16QAM	1	12	22.44	22.68	22.43	22.54	22.44	23.8	1
5	16QAM	1	24	22.37	22.61	22.45	22.45	22.44		
5	16QAM	12	0	21.45	21.51	21.37	21.35	21.37	22.8	2
5	16QAM	12	7	21.44	21.52	21.33	21.34	21.35		
5	16QAM	12	13	21.48	21.46	21.34	21.31	21.29	22.8	2
5	16QAM	25	0	21.58	21.54	21.45	21.46	21.44		
5	64QAM	1	0	21.34	21.32	21.20	21.24	21.19	22.8	2
5	64QAM	1	12	21.31	21.29	21.15	21.25	21.20		
5	64QAM	1	24	21.34	21.36	21.19	21.22	21.22	21.8	3
5	64QAM	12	0	20.47	20.72	20.53	20.60	20.54		
5	64QAM	12	7	20.52	20.75	20.55	20.58	20.52	21.8	3
5	64QAM	12	13	20.46	20.72	20.54	20.53	20.54		
5	64QAM	25	0	20.58	20.74	20.61	20.62	20.59	Tune-up limit (dBm)	MPR (dB)

Band 41_Ant14

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)				39750	40185	40620	41055	41490		
20	QPSK	1	0	15.78	16.04	15.93	15.84	15.99	17.3	0
20	QPSK	1	49	15.89	15.99	16.10	15.89	16.01		
20	QPSK	1	99	15.86	15.99	15.80	15.86	16.03	17.3	0
20	QPSK	50	0	15.79	16.00	16.02	15.87	15.95		
20	QPSK	50	24	15.83	16.01	15.93	15.81	15.91	17.3	0
20	QPSK	50	50	15.85	16.00	15.84	15.85	16.00		
20	QPSK	100	0	15.78	15.95	16.00	15.83	15.90	17.3	0
20	16QAM	1	0	15.80	16.05	15.83	15.80	15.87		
20	16QAM	1	49	15.75	16.03	15.83	15.87	16.00	17.3	0
20	16QAM	1	99	15.75	16.07	15.85	15.86	16.02		
20	16QAM	50	0	15.75	16.01	15.80	15.88	15.94	17.3	0
20	16QAM	50	24	15.87	16.06	15.82	15.82	15.95		
20	16QAM	50	50	15.89	16.06	15.82	15.82	15.93	17.3	0
20	16QAM	100	0	15.81	16.05	15.86	15.84	16.00		
20	64QAM	1	0	15.77	16.06	15.90	15.78	15.90	17.3	0
20	64QAM	1	49	15.82	16.00	15.90	15.87	15.99		
20	64QAM	1	99	15.79	16.02	15.92	15.78	15.91	17.3	0
20	64QAM	50	0	15.83	15.97	15.92	15.88	15.97		
20	64QAM	50	24	15.77	15.99	15.80	15.86	16.02	17.3	0
20	64QAM	50	50	15.79	16.03	15.84	15.79	15.99		
20	64QAM	100	0	15.82	16.03	15.85	15.85	15.92	Tune-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)				39725	40173	40620	41063	41515		
15	QPSK	1	0	15.71	15.88	15.65	15.70	15.85		



DSI 4 Power

TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	126	189	251		126	189	251	
Frequency (MHz)	834.2	836.4	848.8		834.2	836.4	848.8	
GSM 1 Tx slot	32.09	32.20	32.22	33.50	23.09	23.20	23.22	24.50
GPRS 1 Tx slot	32.08	32.17	32.21	33.50	23.08	23.17	23.21	24.50
GPRS 2 Tx slots	30.33	30.34	30.32	31.50	24.33	24.34	24.32	25.50
GPRS 3 Tx slots	28.13	28.13	28.12	29.50	23.97	23.97	23.98	25.24
GPRS 4 Tx slots	28.44	28.45	28.32	28.00	23.44	23.45	23.32	25.00
EDGE 1 Tx slot	27.00	27.04	26.98	28.00	18.00	18.04	17.93	19.00
EDGE 2 Tx slots	24.42	24.51	24.45	25.70	18.42	18.51	18.45	19.70
EDGE 3 Tx slots	22.15	22.25	22.30	23.50	17.89	17.99	18.04	19.24
EDGE 4 Tx slots	20.30	20.31	20.28	21.70	17.30	17.31	17.28	18.70

TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	28.80	28.50	28.42	29.50	19.80	19.50	19.42	20.50
GPRS 1 Tx slot	28.54	28.41	28.34	29.50	19.54	19.41	19.34	20.50
GPRS 2 Tx slots	20.01	20.03	20.07	21.30	20.01	20.03	19.97	21.30
GPRS 3 Tx slots	23.72	23.76	23.62	25.00	19.46	19.50	19.36	20.74
GPRS 4 Tx slots	22.42	22.54	22.45	23.50	19.42	19.54	19.45	20.50
EDGE 1 Tx slot	25.47	25.51	25.18	26.50	16.47	16.51	16.18	17.50
EDGE 2 Tx slots	23.51	23.60	23.22	24.50	17.51	17.60	17.22	18.50
EDGE 3 Tx slots	21.38	21.42	21.30	22.70	17.12	17.16	17.04	18.44
EDGE 4 Tx slots	20.10	20.05	19.84	21.20	17.10	17.05	16.84	18.20

Band	TX Channel	WCDMA I_Ant1			Tune-up Limit (dBm)	WCDMA IV_Ant1			Tune-up Limit (dBm)	WCDMA V_Ant1			Tune-up Limit (dBm)
		9262	9400	9538		1312	1413	1513		4132	4182	4233	
9GPP Rel 99	AMR 12.2kpps	19.67	19.67	19.64	21.00	19.97	20.08	20.02	21.00	23.63	23.68	23.62	25.00
9GPP Rel 99	RMC 12.2kpps	19.66	19.71	19.65	21.00	19.96	20.11	20.07	21.00	23.66	23.70	23.68	25.00
9GPP Rel 6	HSDPA Subtest-1	18.58	18.65	18.58	20.00	18.75	18.87	18.69	20.00	22.80	22.70	22.81	24.00
9GPP Rel 6	HSDPA Subtest-2	18.65	18.59	18.57	20.00	18.63	18.89	18.98	20.00	22.72	22.74	22.72	24.00
9GPP Rel 6	HSDPA Subtest-3	18.00	18.21	17.98	19.50	18.26	18.69	18.28	19.50	22.15	22.21	22.15	23.50
9GPP Rel 6	HSDPA Subtest-4	17.98	18.20	18.13	19.50	18.35	18.41	18.40	19.50	22.09	22.18	22.18	23.50
9GPP Rel 8	DC-HSDPA Subtest-1	18.40	18.48	18.54	20.00	18.70	18.81	18.68	20.00	22.46	22.56	22.47	24.00
9GPP Rel 8	DC-HSDPA Subtest-2	18.85	18.59	18.80	20.00	18.80	18.83	18.90	20.00	22.72	22.82	22.72	24.00
9GPP Rel 8	DC-HSDPA Subtest-3	17.98	18.04	17.85	19.50	18.33	18.42	18.30	19.50	21.98	22.05	21.98	23.50
9GPP Rel 8	DC-HSDPA Subtest-4	17.90	18.07	18.00	19.50	18.39	18.23	18.40	19.50	22.06	22.03	22.15	23.50
9GPP Rel 6	HSUPA Subtest-1	17.83	17.65	17.48	19.00	17.13	17.15	17.16	18.00	20.67	20.68	20.82	22.00
9GPP Rel 6	HSUPA Subtest-2	17.46	17.57	17.63	19.00	17.06	16.98	17.00	18.00	20.65	20.72	20.67	22.00
9GPP Rel 6	HSUPA Subtest-3	18.62	18.67	18.64	20.00	18.11	18.05	18.03	19.00	21.76	21.75	21.60	23.00
9GPP Rel 6	HSUPA Subtest-4	17.10	17.20	17.12	18.50	16.72	16.72	16.60	17.50	20.34	20.35	20.20	22.00
9GPP Rel 6	HSUPA Subtest-5	18.58	18.61	18.54	20.00	18.15	18.09	18.00	19.00	21.57	21.70	21.55	23.00
9GPP Rel 7	HSPA+ (16QAM) Subtest-1	18.20	18.32	18.19	19.00	17.13	17.32	17.22	18.00	21.10	21.13	21.05	22.00

Band	TX Channel	WCDMA I_Ant1			Tune-up Limit (dBm)	WCDMA IV_Ant1			Tune-up Limit (dBm)	WCDMA V_Ant1			Tune-up Limit (dBm)
		9262	9400	9538		1312	1413	1513		4132	4182	4233	
9GPP Rel 99	AMR 12.2kpps	20.65	20.62	20.67	22.00	20.41	20.42	20.43	21.50	23.65	23.70	23.66	25.00
9GPP Rel 99	RMC 12.2kpps	20.66	20.74	20.70	22.00	20.42	20.50	20.45	21.50	23.66	23.72	23.67	25.00
9GPP Rel 6	HSDPA Subtest-1	19.83	19.71	19.74	21.00	19.40	19.40	19.30	20.50	22.83	22.88	22.82	24.00
9GPP Rel 6	HSDPA Subtest-2	19.57	19.71	19.61	21.00	19.32	19.39	19.36	20.50	22.50	22.62	22.51	24.00
9GPP Rel 6	HSDPA Subtest-3	19.22	19.29	19.22	20.50	18.89	18.90	18.75	20.00	22.16	22.19	22.03	23.50
9GPP Rel 6	HSDPA Subtest-4	19.22	19.15	19.15	20.50	18.92	18.95	18.87	20.00	22.04	22.16	22.04	23.50
9GPP Rel 6	DC-HSDPA Subtest-1	19.55	19.75	19.42	21.00	19.19	19.48	19.15	20.50	22.57	22.65	22.58	24.00
9GPP Rel 8	DC-HSDPA Subtest-2	19.61	19.63	19.54	21.00	19.17	19.34	19.32	20.50	22.38	22.44	22.39	24.00
9GPP Rel 8	DC-HSDPA Subtest-3	19.17	19.14	19.06	20.50	18.81	18.93	18.81	20.00	22.04	22.16	21.91	23.50
9GPP Rel 8	DC-HSDPA Subtest-4	19.21	19.10	19.05	20.50	18.80	18.90	18.76	20.00	22.04	22.08	22.04	23.50
9GPP Rel 6	HSUPA Subtest-1	18.66	18.82	18.66	20.00	17.38	17.47	17.35	18.50	20.43	20.62	20.57	22.00
9GPP Rel 6	HSUPA Subtest-2	18.72	18.77	18.67	20.00	17.18	17.43	17.30	18.50	20.58	20.59	20.44	22.00
9GPP Rel 6	HSUPA Subtest-3	19.82	19.80	19.71	21.00	18.33	18.47	18.39	19.50	21.57	21.67	21.49	23.00
9GPP Rel 6	HSUPA Subtest-4	18.22	18.32	18.26	19.50	16.99	16.92	16.97	18.00	20.09	20.14	20.40	22.00
9GPP Rel 6	HSUPA Subtest-5	19.74	19.71	19.59	21.00	18.31	18.32	18.22	19.50	21.43	21.60	21.48	23.00
9GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.31	19.32	19.30	20.00	17.65	17.65	17.75	18.50	21.01	21.05	21.10	22.00

TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	126	189	251		126	189	251	
Frequency (MHz)	834.2	836.4	848.8		834.2	836.4	848.8	
GSM 1 Tx slot	32.08	32.12	32.20	33.50	23.08	23.12	23.20	24.50
GPRS 1 Tx slot	32.05	32.11	32.15	33.50	23.05	23.11	23.15	24.50
GPRS 2 Tx slots	30.21	30.27	30.26	31.50	24.21	24.27	24.26	25.50
GPRS 3 Tx slots	28.09	28.09	28.14	29.50	23.83	23.83	23.88	25.24
GPRS 4 Tx slots	28.33	28.35	28.45	28.00	23.33	23.35	23.45	25.00
EDGE 1 Tx slot	28.70	28.72	28.64	28.00	17.70	17.72	17.64	19.00
EDGE 2 Tx slots	24.34	24.42	24.33	25.70	18.34	18.42	18.33	19.70
EDGE 3 Tx slots	22.15	22.21	22.16	23.50	17.89	17.95	17.90	19.24
EDGE 4 Tx slots	20.34	20.33	20.25	21.70	17.34	17.33	17.25	18.70

TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	28.82	28.71	28.49	29.50	19.82	19.71	19.49	20.50
GPRS 1 Tx slot	28.62	28.57	28.37	29.50	19.62	19.57	19.37	20.50
GPRS 2 Tx slots	20.85	20.86	20.82	22.30	20.85	20.86	20.82	23.30
GPRS 3 Tx slots	24.28	24.27	24.24	25.00	20.02	20.01	19.98	20.74
GPRS 4 Tx slots	23.05	23.07	23.01	23.50	20.05	20.07	20.01	20.50
EDGE 1 Tx slot	25.28	25.35	25.18	26.50	16.28	16.35	16.18	17.50
EDGE 2 Tx slots	23.57	23.66	23.43	24.50	17.57	17.66	17.43	18.50
EDGE 3 Tx slots	21.84	21.82	21.65	22.70	17.58	17.56	17.39	18.44
EDGE 4 Tx slots	20.28	20.35	20.25	21.20	17.28	17.35	17.25	18.20



Band 2_Ant14										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch. / Freq. (MHz)	Power Ch. / Freq. (MHz)	Power Ch. / Freq. (MHz)	Time-up (dBm)	MPR (dB)		
Frequency (MHz)										
20	QPSK	1	0	20.05	20.14	20.04				
20	QPSK	1	48	20.22	20.33	20.13	21.5	0		
20	QPSK	1	96	20.26	20.18	19.97				
20	QPSK	5	0	20.05	20.20	20.05				
20	QPSK	5	48	20.07	20.19	19.98	21.5	0		
20	QPSK	5	96	20.15	20.10	20.00				
20	QPSK	19	0	20.05	20.05	19.95				
20	16QAM	1	0	20.05	20.12	20.08				
20	16QAM	1	48	20.08	20.20	20.00	21.5	0		
20	16QAM	1	96	20.06	20.10	20.09				
20	16QAM	5	0	20.07	20.20	20.05				
20	16QAM	5	48	20.09	20.20	20.06	21.5	0		
20	16QAM	5	96	20.05	20.17	19.99				
20	16QAM	19	0	20.07	20.18	19.99				
20	16QAM	19	48	20.17	20.11	20.00	21.5	0		
20	16QAM	19	96	20.09	20.20	20.06				
20	16QAM	59	0	20.09	20.13	20.01	21.5	0		
20	16QAM	59	48	20.15	20.17	20.09				
20	16QAM	199	0	20.06	20.18	20.01				
20	16QAM	199	48	20.17	20.11	20.00	21.5	0		
20	16QAM	199	96	20.09	20.20	20.06				
20	16QAM	59	4	20.09	20.20	20.06	21.5	0		
20	16QAM	59	52	20.09	20.13	20.01				
20	16QAM	59	50	20.15	20.17	20.09	21.5	0		
20	16QAM	199	0	20.07	20.18	19.99				
20	16QAM	199	48	20.17	20.11	20.00	21.5	0		
20	16QAM	199	96	20.09	20.20	20.06				
20	16QAM	59	4	20.09	20.20	20.06	21.5	0		
20	16QAM	59	52	20.09	20.13	20.01				
20	16QAM	59	50	20.15	20.17	20.09	21.5	0		
20	16QAM	199	0	20.07	20.18	19.99				
20	16QAM	199	48	20.17	20.11	20.00	21.5	0		
20	16QAM	199	96	20.09	20.20	20.06				
Channel										
Frequency (MHz)										
15	QPSK	1	0	18.75	18.80	18.85	Time-up (dBm)	MPR (dB)		
15	QPSK	1	0	19.17	19.22	19.27				
15	QPSK	1	48	19.21	19.26	19.31	21.5	0		
15	QPSK	1	96	19.25	19.30	19.35				
15	QPSK	5	0	19.05	19.10	19.15				
15	QPSK	5	48	19.07	19.19	19.18	21.5	0		
15	QPSK	5	96	19.13	19.20	19.25				
15	QPSK	19	0	19.05	19.05	18.95				
15	16QAM	1	0	19.05	19.12	19.16				
15	16QAM	1	48	19.07	19.20	19.12	21.5	0		
15	16QAM	1	96	19.13	19.20	19.25				
15	16QAM	5	0	19.05	19.10	19.15				
15	16QAM	5	48	19.07	19.19	19.18	21.5	0		
15	16QAM	5	96	19.13	19.20	19.25				
15	16QAM	19	0	19.05	19.05	18.95				
15	16QAM	19	48	19.07	19.19	19.18	21.5	0		
15	16QAM	19	96	19.13	19.20	19.25				
15	16QAM	59	0	19.05	19.10	19.15				
15	16QAM	59	48	19.07	19.19	19.18	21.5	0		
15	16QAM	59	52	19.05	19.13	19.21				
15	16QAM	59	50	19.15	19.17	19.25	21.5	0		
15	16QAM	199	0	19.05	19.18	19.25				
15	16QAM	199	48	19.17	19.18	19.23	21.5	0		
15	16QAM	199	96	19.23	19.22	19.20				
15	16QAM	59	4	19.05	19.26	19.25	21.5	0		
15	16QAM	59	52	19.05	19.13	19.21				
15	16QAM	59	50	19.15	19.17	19.25	21.5	0		
15	16QAM	199	0	19.05	19.18	19.25				
15	16QAM	199	48	19.17	19.18	19.23	21.5	0		
15	16QAM	199	96	19.23	19.22	19.20				
Channel										
Frequency (MHz)										
15	QPSK	1	0	19.15	19.18	19.18	Time-up (dBm)	MPR (dB)		
15	QPSK	1	48	19.21	19.21	19.21				
15	QPSK	1	96	19.24	19.23	19.22	21.5	0		
15	QPSK	5	0	19.04	19.15	19.23				
15	QPSK	5	48	19.07	19.15	19.23	21.5	0		
15	QPSK	5	96	19.13	19.20	19.25				
15	QPSK	19	0	19.04	19.04	18.94				
15	16QAM	1	0	19.04	19.11	19.21				
15	16QAM	1	48	19.06	19.23	19.21	21.5	0		
15	16QAM	1	96	19.12	19.23	19.25				
15	16QAM	5	0	19.04	19.13	19.23				
15	16QAM	5	48	19.06	19.26	19.26	21.5	0		
15	16QAM	5	96	19.12	19.23	19.25				
15	16QAM	19	0	19.04	19.04	18.94				
15	16QAM	19	48	19.06	19.23	19.23	21.5	0		
15	16QAM	19	96	19.12	19.23	19.25				
15	16QAM	59	0	19.04	19.13	19.23				
15	16QAM	59	48	19.06	19.26	19.26	21.5	0		
15	16QAM	59	52	19.04	19.13	19.23				
15	16QAM	59	50	19.15	19.17	19.25	21.5	0		
15	16QAM	199	0	19.04	19.18	19.25				
15	16QAM	199	48	19.17	19.18	19.23	21.5	0		
15	16QAM	199	96	19.23	19.22	19.20				
Channel										
Frequency (MHz)										
15	QPSK	1	0	19.15	19.18	19.18	Time-up (dBm)	MPR (dB)		
15	QPSK	1	48	19.21	19.21	19.21				
15	QPSK	1	96	19.24	19.23	19.22	21.5	0		
15	QPSK	5	0	19.04	19.15	19.23				
15	QPSK	5	48	19.07	19.15	19.23	21.5	0		
15	QPSK	5	96	19.13	19.20	19.25				
15	QPSK	19	0	19.04	19.04	18.94				
15	16QAM	1	0	19.04	19.11	19.21				
15	16QAM	1	48	19.06	19.23	19.21	21.5	0		
15	16QAM	1	96	19.12	19.23	19.25				
15	16QAM	5	0	19.04	19.13	19.23				
15	16QAM	5	48	19.06	19.26	19.26	21.5	0		
15	16QAM	5	96	19.12	19.23	19.25				
15	16QAM	19	0	19.04	19.04	18.94				
15	16QAM	19	48	19.06	19.23	19.23	21.5	0		
15	16QAM	19	96	19.12	19.23	19.25				
15	16QAM	59	0	19.04	19.13	19.23				
15	16QAM	59	48	19.06	19.26	19.26	21.5	0		
15	16QAM	59	52	19.04	19.13	19.23				
15	16QAM	59	50	19.15	19.17	19.25	21.5	0		
15	16QAM	199	0	19.04	19.18	19.25				
15	16QAM	199	48	19.17	19.18	19.23	21.5	0		
15	16QAM	199	96	19.23	19.22	19.20				

Band 2_Ant31										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch. / Freq. (MHz)	Power Ch. / Freq. (MHz)	Power Ch. / Freq. (MHz)	Time-up (dBm)	MPR (dB)		
Frequency (MHz)										
20	QPSK	1	0	19.30	19.32	19.31				
20	QPSK	1	48	19.40	19.45	19.46	21	0		
20	QPSK	1	96	19.07	19.22	19.25				
20	QPSK	5	0	19.40	19.41	19.24				
20	QPSK	5	48	19.31	19.38	19.31	21	0		
20	QPSK	5	96	19.30	19.33	19.25				
20	QPSK	19	0	19.30	19.30	19.20				
20	16QAM	1	0	19.19	19.19	19.05				
20	16QAM	1	48	19.34	19.38	19.32	21	0		
20	16QAM	1	96	19.34	19.36	19.25				
20	16QAM	5	0	19.31	19.38	19.25				
20	16QAM	5	48	19.19	19.31	19.23	21	0		
20	16QAM	5	96	19.04	19.23	19.17				
20	16QAM	19	0	19.31	19.28	19.28				
20	16QAM	19	48							



Band 5_Ant11										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch. 1 / Freq.	Power Ch. 2 / Freq.	Power Ch. 3 / Freq.	Time-up (min)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.37	23.52	23.52				
10	QPSK	1	25	23.51	23.56	23.49	24.8	0		
10	QPSK	1	49	23.60	23.47	23.51				
10	QPSK	25	0	22.67	22.58	22.44				
10	QPSK	25	12	22.48	22.50	22.53				
10	QPSK	25	25	22.41	22.52	22.49	23.8	1		
10	QPSK	25	37	22.51	22.50	22.53				
10	HQAM	1	0	22.75	22.84	22.71				
10	HQAM	1	25	22.72	22.72	22.68	23.8	1		
10	HQAM	1	49	22.74	22.68	22.70				
10	HQAM	25	0	21.49	21.53	21.52				
10	HQAM	25	12	21.49	21.54	21.52	22.8	2		
10	HQAM	25	25	21.44	21.61	21.53				
10	HQAM	50	0	21.43	21.51	21.53				
10	HQAM	50	1	21.53	21.46	21.51	22.8	2		
10	HQAM	50	1	21.53	21.46	21.51				
10	HQAM	50	25	21.46	21.78	21.78	22.8	2		
10	HQAM	50	1	21.49	21.49	21.83				
10	HQAM	50	1	21.49	21.49	21.83				
10	HQAM	50	12	20.82	20.60	20.87	21.8	3		
10	HQAM	50	25	20.51	20.71	20.81				
10	HQAM	50	0	20.43	20.71	20.84				
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.37	23.36	23.30				
5	QPSK	1	12	23.37	23.40	23.30	24.8	0		
5	QPSK	12	24	23.38	23.35	23.45				
5	QPSK	12	6	22.34	22.41	22.51				
5	QPSK	12	7	22.25	22.38	22.40	23.8	1		
5	QPSK	12	1	22.38	22.38	22.38				
5	QPSK	25	0	22.37	22.38	22.38				
5	HQAM	1	0	22.79	22.74	22.86				
5	HQAM	1	12	22.69	22.90	22.72	23.8	1		
5	HQAM	12	24	22.68	22.85	22.84				
5	HQAM	12	6	21.27	21.38	21.50				
5	HQAM	12	7	21.34	21.31	21.39	22.8	2		
5	HQAM	12	1	21.34	21.31	21.39				
5	HQAM	25	0	21.23	21.31	21.39				
5	HQAM	25	0	21.11	21.43	21.41	22.8	2		
5	HQAM	25	12	21.48	21.60	21.71				
5	HQAM	25	6	20.45	20.64	20.79	21.8	3		
5	HQAM	25	7	20.53	20.55	20.53				
5	HQAM	25	1	20.42	20.54	20.50				
5	HQAM	25	0	20.42	20.54	20.50				
Channel										
Frequency (MHz)										
3	QPSK	1	0	23.37	23.36	23.30				
3	QPSK	1	8	23.27	23.36	23.31	24.8	0		
3	QPSK	1	14	23.28	23.34	23.38				
3	QPSK	8	0	22.32	22.38	22.45				
3	QPSK	8	4	22.39	22.42	22.41				
3	QPSK	8	7	22.38	22.41	22.45	23.8	1		
3	QPSK	15	0	22.29	22.33	22.44				
3	HQAM	1	0	22.32	22.41	22.49				
3	HQAM	1	13	22.41	22.71	22.49	23.8	1		
3	HQAM	1	14	22.63	22.84	22.42				
3	HQAM	8	0	21.38	21.29	21.51				
3	HQAM	8	4	21.40	21.47	21.46	22.8	2		
3	HQAM	8	7	21.34	21.50	21.48				
3	HQAM	15	0	21.29	21.26	21.39				
3	HQAM	1	0	21.12	21.36	21.68				
3	HQAM	1	13	21.31	21.52	21.63	22.8	2		
3	HQAM	1	14	21.29	21.61	21.27				
3	HQAM	8	0	20.44	20.44	20.56				
3	HQAM	8	4	20.45	20.57	20.59	21.8	3		
3	HQAM	8	7	20.55	20.67	20.63				
3	HQAM	15	0	20.42	20.53	20.63				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	23.21	23.37	23.38				
1.4	QPSK	1	3	23.22	23.35	23.32	24.8	0		
1.4	QPSK	1	5	23.26	23.22	23.01				
1.4	QPSK	3	0	23.40	23.32	23.27				
1.4	QPSK	3	1	23.39	23.21	23.33				
1.4	QPSK	3	3	23.39	23.09	23.24				
1.4	QPSK	6	0	22.28	22.22	22.24	23.8	1		
1.4	QPSK	6	0	22.48	22.51	22.57				
1.4	HQAM	1	3	22.56	22.05	22.16				
1.4	HQAM	1	5	22.67	22.53	22.45	23.8	1		
1.4	HQAM	3	0	22.31	22.30	22.29				
1.4	HQAM	3	1	22.31	22.16	22.33				
1.4	HQAM	3	3	22.33	22.15	22.13				
1.4	HQAM	6	0	21.27	21.08	21.19	22.8	2		
1.4	HQAM	6	1	21.21	21.39	21.45				
1.4	HQAM	1	3	21.48	20.36	21.15				
1.4	HQAM	1	5	21.57	21.18	21.18	22.8	2		
1.4	HQAM	3	0	21.33	21.30	21.38				
1.4	HQAM	3	1	21.09	21.33	21.43				
1.4	HQAM	3	3	21.40	21.34	21.30	21.8	3		
1.4	HQAM	6	0	20.38	20.33	20.33				

Band 5_Ant41										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch. 1 / Freq.	Power Ch. 2 / Freq.	Power Ch. 3 / Freq.	Time-up (min)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.46	23.65	23.54				
10	QPSK	1	25	23.37	23.07	23.56	24.8	0		
10	QPSK	1	49	23.46	23.46	23.59				
10	QPSK	25	0	22.52	22.61	22.52				
10	QPSK	25	12	22.5	22.51	22.56				
10	QPSK	25	25	22.49	22.55	22.57	23.8	1		
10	QPSK	25	37	22.56	22.58	22.57				
10	HQAM	1	0	22.84	22.88	22.81				
10	HQAM	1	25	22.68	22.68	22.6	23.8	1		
10	HQAM	1	49	22.79	22.61	22.66				
10	HQAM	25	0	21.52	21.52	21.45				
10	HQAM	25	12	21.48	21.47	21.56				
10	HQAM	25	25	21.48	21.58	21.56	22.8	2		
10	HQAM	50	0	21.54	21.69	21.53				
10	HQAM	50	1	21.37	21.68	21.82				
10	HQAM	50	1	21.54	21.70	21.36	22.8	2		
10	HQAM	50	1	21.49	21.6	21.58				
10	HQAM	50	12	20.64	20.28	20.54	21.8	3		
10	HQAM	50	25	20.87	20.7	20.8				
10	HQAM	50	25	20.63	20.79	20.71				
10	HQAM	50	0	20.81	20.7	20.71				
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.35	23.68	23.41				
5	QPSK	1	12	23.33	23.46	23.45	24.8	0		
5	QPSK	12	24	23.00	23.48	23.45				
5	QPSK	12	6	22.33	22.39	22.51				
5	QPSK	12	7	22.27	22.38	22.46	23.8	1		
5	QPSK	25	0	22.31	22.40	22.40				
5	HQAM	1	0	22.73	22.50	22.32				
5	HQAM	1	12	22.84	22.88	22.75	23.8	1		
5	HQAM	12	24	22.64	22.64	22.64				
5	HQAM	12	6	21.31	21.40	21.52				
5	HQAM	12	7	21.19	21.31	21.32	22.8	2		
5	HQAM	12	1	21.22	21.33	21.32				
5	HQAM	25	0	21.25	21.45	21.43				
5	HQAM	25	0	21.31	21.38	21.69	22.8	2		
5	HQAM	25	12	21.68	21.48	21.50				
5	HQAM	25	6	20.47	20.61	20.75	21.8	3		
5	HQAM	25	7	20.48	20.54	20.54				
5	HQAM	25	1	20.52	20.52	20.52				
5	HQAM	25	0	20.48	20.51	20.56				
Channel										
Frequency (MHz)										
3	QPSK	1	0	23.36	23.44	23.52				
3	QPSK	1	8	23.36	23.33	23.34	24.8	0		
3</										



Band 12_Ant11

BW (MHz)	Modulation	RB Size	RB Offset	Power Ch. 1 / Freq.	Power Ch. 2 / Freq.	Power Ch. 3 / Freq.	Turn-up time (dB)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	0	23.78	23.97	23.83		
10	QPSK	1	25	23.85	23.86	23.75	25	0
10	QPSK	1	49	23.83	23.80	23.84		
10	QPSK	25	0	22.60	22.74	22.81	24	1
10	QPSK	25	12	22.67	22.86	22.65		
10	QPSK	25	25	22.64	22.67	22.64		
10	QPSK	25	37	22.68	22.70	22.64		
10	HQAM	1	0	22.85	22.69	22.64		
10	HQAM	1	25	22.77	22.84	22.89	24	1
10	HQAM	1	49	22.52	22.68	22.83		
10	HQAM	25	0	21.78	21.83	21.99		
10	HQAM	25	12	21.89	21.90	21.85	23	2
10	HQAM	25	25	21.89	21.81	21.84		
10	HQAM	50	0	21.86	21.79	21.84		
10	HQAM	50	1	21.85	22.03	21.99		
10	HQAM	1	25	22.13	22.07	21.96	23	2
10	HQAM	1	49	22.13	21.95	21.99		
10	HQAM	25	0	20.74	20.80	20.76		
10	HQAM	25	12	20.83	20.80	20.87	22	3
10	HQAM	25	25	20.77	20.80	20.83		
10	HQAM	50	0	20.78	20.88	20.83		
Channel								
Frequency (MHz)								
5	QPSK	1	0	23.57	23.75	23.69		
5	QPSK	1	12	23.67	23.81	23.76	25	0
5	QPSK	1	24	23.71	23.72	23.82		
5	QPSK	12	0	22.61	22.62	22.72		
5	QPSK	12	7	22.66	22.64	22.68	24	1
5	QPSK	12	14	22.68	22.65	22.68		
5	QPSK	25	0	22.69	22.61	22.68		
5	HQAM	1	0	22.81	22.74	22.86	24	1
5	HQAM	1	12	22.74	22.96	22.96		
5	HQAM	1	24	22.71	22.99	22.91		
5	HQAM	12	0	21.89	21.86	21.77		
5	HQAM	12	7	21.79	21.91	21.84	23	2
5	HQAM	12	14	21.80	21.87	21.88		
5	HQAM	25	0	21.87	21.92	21.93		
5	HQAM	1	0	21.83	21.83	21.88	23	2
5	HQAM	1	12	21.92	21.91	22.10		
5	HQAM	12	0	20.83	20.85	20.93		
5	HQAM	12	7	20.92	20.90	20.85	22	3
5	HQAM	25	0	20.89	20.83	20.83		
Channel								
Frequency (MHz)								
3	QPSK	1	0	23.67	23.75	23.74		
3	QPSK	1	6	23.59	23.72	23.67	25	0
3	QPSK	1	14	23.73	23.68	23.69		
3	QPSK	8	0	22.59	22.59	22.74		
3	QPSK	8	4	22.63	22.61	22.70	24	1
3	QPSK	8	7	22.68	22.63	22.69		
3	QPSK	15	0	22.50	22.80	22.88		
3	HQAM	1	0	22.48	22.00	22.91	24	1
3	HQAM	1	13	22.50	22.85	22.98		
3	HQAM	1	14	22.59	22.91	23.11		
3	HQAM	8	0	21.85	21.74	22.02		
3	HQAM	8	4	21.80	21.80	22.01	23	2
3	HQAM	8	7	21.96	21.88	21.95		
3	HQAM	15	0	21.88	21.77	21.89		
3	HQAM	1	0	21.80	22.06	22.17	23	2
3	HQAM	1	13	22.01	22.05	21.77		
3	HQAM	1	14	21.91	21.90	21.98		
3	HQAM	8	0	20.83	20.78	20.87		
3	HQAM	8	4	20.85	20.86	20.94	22	3
3	HQAM	8	7	20.80	20.90	20.91		
3	HQAM	15	0	20.78	20.89	20.78		
Channel								
Frequency (MHz)								
1.4	QPSK	1	0	23.67	23.69	23.73		
1.4	QPSK	1	3	23.79	23.76	23.77	25	0
1.4	QPSK	1	5	23.63	23.55	23.81		
1.4	QPSK	3	0	23.61	23.68	23.62		
1.4	QPSK	3	1	23.60	23.68	23.72	24	1
1.4	QPSK	3	3	23.64	23.72	23.71		
1.4	QPSK	6	0	22.63	22.64	22.67		
1.4	HQAM	1	0	22.57	22.82	23.12	24	1
1.4	HQAM	1	3	22.80	22.73	22.86		
1.4	HQAM	1	5	22.91	22.89	22.83		
1.4	HQAM	3	0	22.60	22.72	22.77		
1.4	HQAM	3	1	22.61	22.69	22.61		
1.4	HQAM	3	3	22.63	22.69	22.83	23	2
1.4	HQAM	6	0	21.87	21.90	22.11		
1.4	HQAM	6	1	22.00	21.98	22.01		
1.4	HQAM	1	3	22.12	22.15	21.68		
1.4	HQAM	1	5	21.90	21.78	21.72	23	2
1.4	HQAM	3	0	21.95	22.05	21.68		
1.4	HQAM	3	1	22.05	21.93	22.09		
1.4	HQAM	3	3	22.07	22.05	22.08		
1.4	HQAM	6	0	20.72	20.94	20.85	22	3

Band 12_Ant41

BW (MHz)	Modulation	RB Size	RB Offset	Power Ch. 1 / Freq.	Power Ch. 2 / Freq.	Power Ch. 3 / Freq.	Turn-up time (dB)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	0	23.70	23.70	23.69		
10	QPSK	1	25	23.86	23.89	23.85	25	0
10	QPSK	1	49	23.81	23.79	23.71		
10	QPSK	25	0	22.63	22.71	22.69		
10	QPSK	25	12	22.68	22.73	22.67	24	1
10	QPSK	25	25	22.70	22.69	22.64		
10	QPSK	25	37	22.68	22.71	22.68		
10	HQAM	1	0	22.90	22.58	22.58		
10	HQAM	1	25	22.75	22.91	22.77	24	1
10	HQAM	1	49	22.61	23.20	23.24		
10	HQAM	25	0	21.88	21.88	21.84		
10	HQAM	25	12	21.88	21.90	21.80	23	2
10	HQAM	25	25	21.82	21.82	21.86		
10	HQAM	50	0	21.82	21.83	21.89		
10	HQAM	1	25	22.22	21.97	21.79	23	2
10	HQAM	1	49	21.90	21.81	21.99		
10	HQAM	25	0	20.88	20.86	21.00		
10	HQAM	25	12	20.91	20.90	20.83	22	3
10	HQAM	25	25	20.81	20.77	20.89		
10	HQAM	50	0	20.88	20.93	20.85		
Channel								
Frequency (MHz)								
5	QPSK	1	0	23.62	23.62	23.60		
5	QPSK	1	12	23.69	23.70	23.78	25	0
5	QPSK	1	24	23.67	23.70	23.82		
5	QPSK	12	0	22.62	22.68	22.66		
5	QPSK	12	7	22.63	22.69	22.71	24	1
5	QPSK	12	14	22.68	22.65	22.68		
5	QPSK	25	0	22.68	22.69	22.69		
5	HQAM	1	0	22.68	22.73	23.00		
5	HQAM	1	12	22.06	22.80	22.87	24	1
5	HQAM	1	24	22.03	22.82	22.90		
5	HQAM	12	0	21.75	21.87	21.86		
5	HQAM	12	7	21.80	21.88	21.93	23	2
5	HQAM	12	14	21.86	21.83	22.06		
5	HQAM	25	0	21.82	21.77	21.81		
5	HQAM	1	0	21.84	22.10	21.75	23	2
5	HQAM	1	12	21.89	22.07	21.90		
5	HQAM	12	0	20.78	20.87	20.88		
5	HQAM	12	7	20.87	20.85	20.98	22	3
5	HQAM	25	0	20.84	20.80	20.80		
Channel								
Frequency (MHz)								
3	QPSK	1	0	23.59	23.64	23.70		
3	QPSK	1	6	23.69	23.62	23.72	25	0
3	QPSK	1	14	23.64	23.65	23.73		
3	QPSK	8	0	22.62	22.62	22.69		
3	QPSK	8	4	22.64	22.64	22.72	24	1
3	QPSK	8	7	22.63	22.60	22.71		
3	QPSK	15	0	22.59	22.61	22.82		
3	HQAM	1	0	22.01	22.60	22.78	24	1
3	HQAM	1	14	22.08	22.02	22.87		
3	HQAM	8	0	21.87	21.87	21.89		
3	HQAM	8	4	21.86	21.80	21.80	23	2
3	HQAM	8	7	21.86	21.84	21.98		
3	HQAM	15	0	21.77	21.87	21.76		
3	HQAM	1	0	22.04	22.08	21.97	23	2
3	HQAM	1	13	21.87	21.91	22.00		
3	HQAM	1	14	22.18	21.88	22.17		
3	HQAM	8	0	20.82	20.74	20.99		
3	HQAM	8	4	20.90	20.80	20.80	22	3
3	HQAM	8	7	20.86	20.88	20.93		
3	HQAM	15	0	20.83	20.74	20.91		
Channel								
Frequency (MHz)								
1.4	QPSK	1	0	23.53	23.55	23.5		



Band 17_Ant11

BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch. / Freq.	Power Min. Ch. / Freq.	Power Max. Ch. / Freq.	Take-up (dB)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	0	23.63	23.71	23.84	25	0
10	QPSK	1	25	23.71	23.75	23.72		
10	QPSK	1	49	23.66	23.49	23.57		
10	QPSK	25	0	22.64	22.88	22.96	24	1
10	QPSK	25	12	22.61	22.81	22.87		
10	QPSK	25	25	22.66	22.67	22.63		
10	QPSK	25	0	22.66	22.71	22.69		
10	HQAM	1	0	22.65	23.01	23.01	24	1
10	HQAM	1	25	22.64	22.68	22.48		
10	HQAM	1	49	22.65	22.60	23.02		
10	HQAM	25	0	21.62	21.77	21.50	23	2
10	HQAM	25	12	21.67	21.90	21.80		
10	HQAM	25	25	21.66	21.65	21.65		
10	HQAM	50	0	21.60	21.62	21.67		
10	HQAM	1	0	21.59	21.67	21.75	23	2
10	HQAM	1	25	21.70	22.17	22.17		
10	HQAM	1	49	21.51	21.50	22.18		
10	HQAM	25	0	20.79	20.86	20.90	22	3
10	HQAM	25	12	20.51	20.77	20.82		
10	HQAM	25	25	20.67	20.92	20.75		
10	HQAM	50	0	20.45	20.52	20.86		
Channel								
Frequency (MHz)								
5	QPSK	1	0	23.61	23.64	23.67	25	0
5	QPSK	1	12	23.47	23.67	23.69		
5	QPSK	1	24	23.60	23.64	23.63		
5	QPSK	12	0	22.58	22.56	22.58	24	1
5	QPSK	12	7	22.56	22.58	22.60		
5	QPSK	12	13	22.57	22.52	22.52		
5	QPSK	25	0	22.57	22.54	22.53		
5	HQAM	1	0	22.52	22.56	22.53	24	1
5	HQAM	1	12	22.71	22.56	22.79		
5	HQAM	1	24	22.63	22.60	22.59		
5	HQAM	12	0	21.72	21.75	21.76	23	2
5	HQAM	12	7	21.69	21.74	21.71		
5	HQAM	12	13	21.73	21.67	21.66		
5	HQAM	25	0	21.75	21.79	21.71	23	2
5	HQAM	1	0	21.63	21.74	21.62		
5	HQAM	1	12	21.68	22.00	22.16	23	2
5	HQAM	1	24	21.62	22.02	22.09		
5	HQAM	12	0	20.69	20.82	20.84	22	3
5	HQAM	12	7	20.72	20.86	20.84		
5	HQAM	12	13	20.72	20.79	20.86		
5	HQAM	25	0	20.74	20.77	20.68		

Band 17_Ant41

BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch. / Freq.	Power Min. Ch. / Freq.	Power Max. Ch. / Freq.	Take-up (dB)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	0	23.65	23.60	23.60	25	0
10	QPSK	1	25	23.59	23.78	23.67		
10	QPSK	1	49	23.69	23.71	23.70		
10	QPSK	25	0	22.64	22.68	22.67	24	1
10	QPSK	25	12	22.62	22.61	22.63		
10	QPSK	25	25	22.60	22.65	22.65		
10	QPSK	50	0	22.68	22.73	22.67		
10	HQAM	1	0	22.64	23.05	23.05	24	1
10	HQAM	1	25	22.69	23.26	22.96		
10	HQAM	1	49	22.57	22.65	23.27		
10	HQAM	25	0	21.62	21.67	21.55	23	2
10	HQAM	25	12	21.78	21.84	21.89		
10	HQAM	25	25	21.63	21.79	21.91		
10	HQAM	50	0	21.77	21.78	21.85		
10	HQAM	1	0	21.67	21.81	21.99	23	2
10	HQAM	1	25	21.77	21.65	22.09		
10	HQAM	1	49	22.24	21.89	22.00		
10	HQAM	25	0	20.82	20.77	20.86	22	3
10	HQAM	25	12	20.85	20.81	20.81		
10	HQAM	25	25	20.83	20.83	20.74		
10	HQAM	50	0	20.83	20.83	20.81		
Channel								
Frequency (MHz)								
5	QPSK	1	0	23.54	23.50	23.56	25	0
5	QPSK	1	12	23.52	23.65	23.68		
5	QPSK	1	24	23.64	23.59	23.62		
5	QPSK	12	0	22.53	22.58	22.65	24	1
5	QPSK	12	7	22.58	22.62	22.58		
5	QPSK	12	13	22.49	22.63	22.60		
5	QPSK	25	0	22.65	22.68	22.56		
5	HQAM	1	0	22.62	23.03	22.67	24	1
5	HQAM	1	12	22.83	23.24	22.98		
5	HQAM	1	24	22.53	22.68	23.21		
5	HQAM	12	0	21.76	21.79	21.90	23	2
5	HQAM	12	7	21.69	21.81	21.81		
5	HQAM	12	13	21.73	21.75	21.81		
5	HQAM	25	0	21.74	21.72	21.77	23	2
5	HQAM	1	0	21.64	21.71	21.83		
5	HQAM	1	12	21.79	21.89	22.04	23	2
5	HQAM	1	24	21.65	21.83	21.93		
5	HQAM	12	0	20.78	20.72	20.75	22	3
5	HQAM	12	7	20.68	20.69	20.69		
5	HQAM	12	13	20.79	20.74	20.69		
5	HQAM	25	0	20.77	20.77	20.78		

Band 18_Ant 11

BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch. / Freq.	Power Min. Ch. / Freq.	Power Max. Ch. / Freq.	Take-up (dB)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	0	23.35			25	0
15	QPSK	1	37	23.47				
15	QPSK	1	74	23.16				
15	QPSK	36	0	22.30			24	1
15	QPSK	36	39	22.33				
15	QPSK	75	0	22.34				
15	HQAM	1	0	22.42			24	1
15	HQAM	1	37	22.83				
15	HQAM	1	74	22.40				
15	HQAM	36	0	21.33			23	2
15	HQAM	36	39	21.31				
15	HQAM	36	39	21.36				
15	HQAM	75	0	21.36				
15	HQAM	1	0	21.33			23	2
15	HQAM	1	37	21.59				
15	HQAM	1	74	21.57				
15	HQAM	36	0	20.51			22	3
15	HQAM	36	39	20.46				
15	HQAM	36	39	20.53				
15	HQAM	75	0	20.49				
Channel								
Frequency (MHz)								
5	QPSK	1	0	23.33	23.35	23.42	25	0
5	QPSK	1	25	23.38	23.41	23.42		
5	QPSK	1	49	23.30	23.45	23.33		
5	QPSK	25	0	22.34	22.21	22.22	24	1
5	QPSK	25	12	22.37	22.32	22.32		
5	QPSK	25	25	22.41	22.37	22.38		
5	QPSK	50	0	22.41	22.38	22.34		
5	HQAM	1	0	22.68	22.79	22.29	24	1
5	HQAM	1	25	22.41	22.48	22.42		
5	HQAM	1	49	22.71	22.76	22.70		
5	HQAM	25	0	21.33	21.26	21.28	23	2
5	HQAM	25	12	21.37	21.28	21.36		
5	HQAM	25	25	21.40	21.33	21.40		
5	HQAM	50	0	21.39	21.32	21.33		
5	HQAM	1	0	21.55	21.39	21.55	23	2
5	HQAM	1	25	21.14	21.36	21.45		
5	HQAM	1	49	21.67	21.62	21.17		
5	HQAM	25	0	20.50	20.38	20.34	22	3
5	HQAM	25	12	20.47	20.47	20.50		
5	HQAM	25	25	20.55	20.52	20.52		
5	HQAM	50	0	20.51	20.47	20.47		
Channel								
Frequency (MHz)								
5	QPSK	1	0	23.41	23.34	23.42	25	0
5	QPSK	1	12	23.45	23.41	23.45		
5	QPSK	1	24	23.38	23.33	23.44		
5	QPSK	12	0	22.45	22.29	22.42	24	1
5	QPSK	12	7	22.48	22.34	22.41		
5	QPSK	12	13	22.40	22.32	22.37		
5	QPSK	25	0	22.44	22.31	22.41		
5	HQAM	1	0	22.65	22.37	22.49	24	1
5	HQAM	1	12	22.65	22.37	22.78		
5	HQAM	1	24	22.33	22.40	22.27		
5	HQAM	12	0	21.37	21.29	21.39	23	2
5	HQAM	12	7	21.46	21.34	21.38		
5	HQAM	12	13	21.32	21.35	21.28		
5	HQAM	25	0	21.42	21.33	21.38	23	2
5	HQAM	1	0	21.68	21.41	21.66		
5	HQAM	1	12	21.69	21.63	21.69		
5	HQAM	1	24	21.66	21.59	21.41		
5	HQAM	12	0	20.71	20.66			



Band 19_Ant 11										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Time-up (min)	MPR (dB)		
Channel										
Frequency (MHz)										
15	QPSK	1	0	23.17						
15	QPSK	1	37	23.50			24.0	0		
15	QPSK	1	74	23.22						
15	QPSK	36	0	22.61						
15	QPSK	36	20	22.34						
15	QPSK	36	39	22.40						
15	QPSK	75	0	22.37			23.0	1		
15	HQAM	1	0	22.13						
15	HQAM	1	37	22.32			23.0	1		
15	HQAM	1	74	22.46						
15	HQAM	36	0	21.33						
15	HQAM	36	20	21.33						
15	HQAM	36	39	21.36						
15	HQAM	75	0	21.26			22.0	2		
15	HQAM	1	37	21.80			22.0	2		
15	HQAM	1	74	21.14						
15	HQAM	36	0	20.96						
15	HQAM	36	20	20.92						
15	HQAM	36	39	20.92						
15	HQAM	75	0	20.98			21.0	3		
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.30	23.37	23.37				
10	QPSK	1	26	22.26	22.31	22.39	24.0	0		
10	QPSK	1	49	22.36	22.31	22.41				
10	QPSK	25	0	22.41	22.37	22.26				
10	QPSK	25	12	22.28	22.38	22.38				
10	QPSK	25	25	22.41	22.44	22.39	23.0	1		
10	QPSK	50	0	22.49	22.44	22.43				
10	HQAM	1	0	22.69	22.22	22.73				
10	HQAM	1	26	22.44	22.48	22.89	23.0	1		
10	HQAM	1	49	22.46	22.83	22.74				
10	HQAM	25	0	21.44	21.40	21.29				
10	HQAM	25	12	21.38	21.28	21.35				
10	HQAM	25	25	21.39	21.42	21.42	22.0	2		
10	HQAM	50	0	21.43	21.33	21.37				
10	HQAM	1	0	21.27	21.83	21.43				
10	HQAM	1	26	21.29	21.62	21.45	22.0	2		
10	HQAM	1	49	21.13	21.37	21.69				
10	HQAM	25	0	20.58	20.52	20.48				
10	HQAM	25	12	20.54	20.57	20.59				
10	HQAM	25	25	20.58	20.64	20.55	21.0	3		
10	HQAM	50	0	20.68	20.64	20.49				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.43	22.49	22.44				
5	QPSK	1	12	22.46	22.46	22.45	24.0	0		
5	QPSK	1	24	22.41	22.36	22.49				
5	QPSK	12	0	22.28	22.39	22.36				
5	QPSK	12	7	22.35	22.37	22.40				
5	QPSK	12	13	22.37	22.39	22.42	23.0	1		
5	QPSK	25	0	22.26	22.40	22.39				
5	HQAM	1	0	22.29	22.41	22.21				
5	HQAM	1	12	22.47	22.43	22.25	23.0	1		
5	HQAM	1	24	22.71	22.36	22.77				
5	HQAM	12	0	21.33	21.39	21.38				
5	HQAM	12	7	21.32	21.31	21.40				
5	HQAM	12	13	21.29	21.42	21.35	22.0	2		
5	HQAM	25	0	21.33	21.26	21.36				
5	HQAM	1	0	21.17	21.41	21.64				
5	HQAM	1	12	21.47	21.62	21.60	22.0	2		
5	HQAM	1	24	21.39	21.80	21.57				
5	HQAM	12	0	20.82	20.49	20.83				
5	HQAM	12	7	20.81	20.89	20.54				
5	HQAM	12	13	20.85	20.53	20.58	21.0	3		
5	HQAM	25	0	20.55	20.51	20.56				

Band 19_Ant 41										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Time-up (min)	MPR (dB)		
Channel										
Frequency (MHz)										
15	QPSK	1	0	23.18						
15	QPSK	1	37	23.43			24.0	0		
15	QPSK	1	74	23.16						
15	QPSK	36	0	22.67						
15	QPSK	36	20	22.34			23.0	1		
15	QPSK	36	39	22.31						
15	QPSK	75	0	22.38						
15	HQAM	1	0	22.55						
15	HQAM	1	37	22.48			23.0	1		
15	HQAM	1	74	22.68						
15	HQAM	36	0	21.29						
15	HQAM	36	20	21.42			22.0	2		
15	HQAM	36	39	21.31						
15	HQAM	75	0	21.26			22.0	2		
15	HQAM	1	37	21.48			22.0	2		
15	HQAM	1	74	21.36						
15	HQAM	36	0	20.95						
15	HQAM	36	20	20.95						
15	HQAM	36	39	20.93						
15	HQAM	75	0	20.98			21.0	3		
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.25	23.32	23.36				
10	QPSK	1	26	22.38	22.41	22.26	24.0	0		
10	QPSK	1	49	22.19	22.36	22.33				
10	QPSK	25	0	22.24	22.18	22.24				
10	QPSK	25	12	22.29	22.28	22.29				
10	QPSK	25	25	22.32	22.38	22.25	23.0	1		
10	QPSK	50	0	22.30	22.38	22.28				
10	HQAM	1	0	22.48	22.68	22.63				
10	HQAM	1	26	22.62	22.76	22.79	23.0	1		
10	HQAM	1	49	22.48	22.11	22.14				
10	HQAM	25	0	21.24	21.17	21.21				
10	HQAM	25	12	21.18	21.26	21.35				
10	HQAM	25	25	21.26	21.33	21.39	22.0	2		
10	HQAM	50	0	21.33	21.23	21.24				
10	HQAM	1	0	21.19	21.53	21.55				
10	HQAM	1	26	21.53	21.52	21.52	22.0	2		
10	HQAM	1	49	21.62	21.65	21.11				
10	HQAM	25	0	20.45	20.43	20.38				
10	HQAM	25	12	20.45	20.43	20.42				
10	HQAM	25	25	20.53	20.52	20.36	21.0	3		
10	HQAM	50	0	20.58	20.41	20.39				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.54	22.23	22.40				
5	QPSK	1	12	22.35	22.38	22.31	24.0	0		
5	QPSK	1	24	22.34	22.28	22.40				
5	QPSK	12	0	22.24	22.23	22.28				
5	QPSK	12	7	22.36	22.24	22.28				
5	QPSK	12	13	22.32	22.27	22.29	23.0	1		
5	QPSK	25	0	22.18	22.20	22.30				
5	HQAM	1	0	22.21	22.76	22.47				
5	HQAM	1	12	22.49	22.28	22.27	23.0	1		
5	HQAM	1	24	22.35	22.48	22.36				
5	HQAM	12	0	21.19	21.15	21.29				
5	HQAM	12	7	21.17	21.24	21.28				
5	HQAM	12	13	21.24	21.32	21.23	22.0	2		
5	HQAM	25	0	21.29	21.26	21.21				
5	HQAM	1	0	21.47	21.62	21.54				
5	HQAM	1	12	21.67	21.62	21.34	22.0	2		
5	HQAM	1	24	21.63	21.68	21.36				
5	HQAM	12	0	20.81	20.39	20.50				
5	HQAM	12	7	20.89	20.41	20.36				
5	HQAM	12	13	20.91	20.37	20.45	21.0	3		
5	HQAM	25	0	20.91	20.43	20.50				

Band 26_Ant11										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Time-up (min)	MPR (dB)		
Channel										
Frequency (MHz)										
15	QPSK	1	0	23.20	23.28	23.30				
15	QPSK	1	37	23.40	23.23	23.48	25	0		
15	QPSK	1	74	23.47	23.62	23.60				
15	QPSK	36	0	22.67	22.62	22.62				
15	QPSK	36	20	22.45	22.42	22.51				
15	QPSK	36	39	22.46	22.52	22.43				
15	QPSK	75	0	22.67	22.52	22.43				
15	HQAM	1	0	22.52	22.80	22.83				
15	HQAM	1	37	22.82	22.82	22.78	24	1		
15	HQAM	1	74	22.79	22.94	22.74				
15	HQAM	36	0	21.44	21.54	21.45				
15	HQAM	36	20	21.55	21.49	21.53				
15	HQAM	36	39	21.45	21.54	21.41				
15	HQAM	75	0	21.48	21.55	21.48				
15	HQAM	1	37	21.39	21.38	21.49				
15	HQAM	1	74	21.89	21.81	21.86	23	2		
15	HQAM	1	74	21.41	21.84	21.75				
15	HQAM	36	0	20.95	20.88	20.82				
15	HQAM	36	20	20.89	20.73	20.72				
15	HQAM	36	39	20.88	20.88	20.56				
15	HQAM	75	0	20.98	20.86	20.57	22	3		
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.40	23.25	23.49				
10	QPSK	1	26	22.32	22.44	22.42	25	0		
10	QPSK	1	49	22.28	22.31	22.34				
10	QPSK	25	0	22.44	22.38	22.37				
10	QPSK	25	12	22.39	22.35	22.32				



Band 66_Ant14										
BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch. 1 / Freq.	Power Level Ch. 2 / Freq.	Power Level Ch. 3 / Freq.	Time-up (dB)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	20.84	20.76	20.72				
20	QPSK	1	49	20.88	20.81	20.84	22	0		
20	QPSK	99	50	20.81	20.89	20.86				
20	QPSK	55	0	20.83	20.84	20.83				
20	QPSK	50	24	20.86	20.85	20.72				
20	QPSK	50	50	20.88	20.81	20.87				
20	QPSK	100	0	20.84	20.73	20.80				
20	HQAM	1	0	20.84	20.88	20.85				
20	HQAM	1	49	20.82	20.82	20.86	22	0		
20	HQAM	1	99	20.80	20.46	20.89				
20	HQAM	50	0	20.82	20.82	20.72				
20	HQAM	50	24	20.86	20.75	20.71				
20	HQAM	50	50	20.83	20.73	20.83				
20	HQAM	100	0	20.80	20.79	20.86				
20	HQAM	1	0	20.83	20.84	20.72				
20	HQAM	1	49	20.89	20.85	20.84	22	0		
20	HQAM	1	99	20.89	20.71	20.85				
20	HQAM	50	0	20.82	20.84	20.89				
20	HQAM	50	24	19.85	19.74	19.85				
20	HQAM	50	50	19.46	19.87	19.89				
20	HQAM	100	0	19.80	19.74	19.82				
Channel										
Frequency (MHz)										
15	QPSK	1	0	20.55	20.61	20.71				
15	QPSK	1	37	20.64	20.80	20.75	22	0		
15	QPSK	1	74	20.99	20.97	20.89				
15	QPSK	36	0	20.40	20.63	20.81				
15	QPSK	36	20	20.86	20.89	20.69				
15	QPSK	36	20	20.86	20.89	20.89				
15	QPSK	75	0	20.44	20.99	20.46				
15	HQAM	1	0	20.51	20.80	20.53				
15	HQAM	1	37	20.80	20.76	20.87	22	0		
15	HQAM	1	74	20.38	20.43	20.44				
15	HQAM	36	0	20.35	20.75	20.85				
15	HQAM	36	20	20.46	20.82	20.87				
15	HQAM	36	20	20.86	20.89	20.89				
15	HQAM	75	0	20.38	20.99	20.54				
15	HQAM	1	0	20.46	20.75	20.85				
15	HQAM	1	37	20.84	20.81	20.89	22	0		
15	HQAM	1	74	20.87	20.83	20.83				
15	HQAM	36	0	19.82	19.87	19.82				
15	HQAM	36	20	19.45	19.83	19.85				
15	HQAM	36	20	19.46	19.83	19.85				
15	HQAM	75	0	19.45	19.83	19.87	21	1		
Channel										
Frequency (MHz)										
10	QPSK	1	0	20.17	20.14	20.14				
10	QPSK	1	25	20.84	20.83	20.82	22	0		
10	QPSK	1	49	20.87	20.88	20.89				
10	QPSK	25	0	20.88	20.87	20.49				
10	QPSK	25	12	20.86	20.80	20.88				
10	QPSK	25	25	20.29	20.47	20.83				
10	QPSK	50	0	20.41	20.59	20.58				
10	HQAM	1	0	20.44	20.80	20.46				
10	HQAM	1	25	20.86	20.87	20.87	22	0		
10	HQAM	1	49	20.38	20.38	20.44				
10	HQAM	25	0	20.34	20.74	20.84				
10	HQAM	25	12	20.82	20.86	20.83				
10	HQAM	25	25	20.44	20.71	20.84				
10	HQAM	50	0	20.41	20.71	20.87				
10	HQAM	1	0	20.51	20.76	20.80				
10	HQAM	1	25	20.84	20.81	20.79	22	0		
10	HQAM	1	49	20.86	20.86	20.85				
10	HQAM	25	0	19.46	19.81	19.86				
10	HQAM	25	12	19.38	19.86	19.88				
10	HQAM	25	25	19.47	19.82	19.87				
10	HQAM	50	0	19.47	19.80	19.89				
Channel										
Frequency (MHz)										
5	QPSK	1	0	20.89	20.88	20.71				
5	QPSK	1	12	20.86	20.80	20.82	22	0		
5	QPSK	1	24	20.48	20.87	20.84				
5	QPSK	12	0	20.81	20.86	20.87				
5	QPSK	12	7	20.87	20.77	20.89				
5	QPSK	12	13	20.23	20.87	20.43				
5	QPSK	25	0	20.80	20.76	20.80	22	0		
5	HQAM	1	0	20.47	20.82	20.83				
5	HQAM	1	12	20.49	20.87	20.87				
5	HQAM	1	24	20.88	20.41	20.44				
5	HQAM	12	0	20.81	20.74	20.71				
5	HQAM	12	7	20.86	20.88	20.87				
5	HQAM	12	13	20.36	20.83	20.46				
5	HQAM	25	0	20.42	20.80	20.80				
5	HQAM	1	0	20.47	20.70	20.86				
5	HQAM	1	12	20.87	20.84	20.82	22	0		
5	HQAM	1	24	20.87	20.84	20.83				
5	HQAM	12	0	19.34	19.88	19.84				
5	HQAM	12	7	19.49	19.88	19.89				
5	HQAM	12	13	19.46	19.83	19.86				
5	HQAM	25	0	19.38	19.80	19.48				
Channel										
Frequency (MHz)										
3	QPSK	1	0	20.89	20.74	20.71				
3	QPSK	1	8	20.80	20.77	20.72	22	0		
3	QPSK	15	0	20.81	20.86	20.89				
3	QPSK	8	0	20.48	20.89	20.85				
3	QPSK	8	4	20.48	20.88	20.89				
3	QPSK	8	7	20.86	20.89	20.80				
3	QPSK	15	0	20.81	20.72	20.48				
3	HQAM	1	0	20.42	20.85	20.81				
3	HQAM	1	8	20.83	20.70	20.61	22	0		
3	HQAM	1	14	20.41	20.46	20.46				
3	HQAM	8	0	20.46	20.87	20.80				
3	HQAM	8	4	20.48	20.88	20.89				
3	HQAM	8	7	20.41	20.89	20.81				
3	HQAM	15	0	20.41	20.80	20.87				
3	HQAM	1	0	20.83	20.79	20.72				
3	HQAM	1	8	20.87	20.74	20.72	22	0		
3	HQAM	1	14	20.83	20.80	20.80				
3	HQAM	8	0	19.45	19.75	19.85				
3	HQAM	8	4	19.83	19.85	19.83				
3	HQAM	8	7	19.40	19.85	19.80				
3	HQAM	15	0	19.31	19.86	19.83	21	1		
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	20.89	20.79	20.86				
1.4	QPSK	1	3	20.83	20.83	20.74	22	0		
1.4	QPSK	1	5	20.82	20.84	20.45				
1.4	QPSK	3	0	20.81	20.86	20.71				
1.4	QPSK	3	3	20.80	20.87	20.78				
1.4	QPSK	3	3	20.87	20.80	20.80				
1.4	QPSK	6	0	20.82	20.81	20.83	22	0		
1.4	HQAM	1	0	20.81	20.80	20.86				
1.4	HQAM	1	3	20.82	20.80	20.83				
1.4	HQAM	1	5	20.47	20.71	20.81				
1.4	HQAM	3	0	20.41	20.84	20.41	22	0		
1.4	HQAM	3	1	20.80	20.79	20.80				
1.4	HQAM	3	3	20.49	20.89	20.45				
1.4	HQAM	6	0	20.82	20.80	20.48	22	0		
1.4	HQAM	1	0	20.45	20.87	20.84				
1.4	HQAM	1	3	20.86	20.80	20.71				
1.4	HQAM	1	5	20.48	20.89	20.85				
1.4	HQAM	3	0	20.80	20.85	20.80	22	0		
1.4	HQAM	3	1	20.44	20.87	20.44				
1.4	HQAM	3	3	20.38	20.85	20.86				
1.4	HQAM	6	0	19.31	19.89	19.43	21	1		

Band 66_Ant31										
BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch. 1 / Freq.	Power Level Ch. 2 / Freq.	Power Level Ch. 3 / Freq.	Time-up (dB)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	19.98	20.19	20.10				
20	QPSK	1	49							



Band 38_Ant31												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)				37850	38000	38150						
20	QPSK	1	0	23.44	23.57	23.38	24.8	0				
20	QPSK	1	49	23.70	23.85	23.61						
20	QPSK	1	99	23.52	23.63	23.53						
20	QPSK	50	0	22.65	22.55	22.52						
20	QPSK	50	24	22.58	22.52	22.56						
20	QPSK	50	50	22.48	22.58	22.60						
20	QPSK	100	0	22.63	22.60	22.55						
20	16QAM	1	0	22.39	22.53	22.43						
20	16QAM	1	49	22.59	22.87	22.80						
20	16QAM	1	99	22.44	22.65	22.48						
20	16QAM	50	0	21.52	21.73	21.49	23.8	1				
20	16QAM	50	24	21.53	21.76	21.58						
20	16QAM	50	50	21.47	21.70	21.58						
20	16QAM	100	0	21.50	21.75	21.57						
20	64QAM	1	0	21.14	21.40	21.06						
20	64QAM	1	49	21.31	21.53	21.35						
20	64QAM	1	99	21.16	21.39	21.29						
20	64QAM	50	0	20.82	20.88	20.59						
20	64QAM	50	24	20.67	20.91	20.68						
20	64QAM	50	50	20.56	20.86	20.75						
20	64QAM	100	0	20.67	20.88	20.70	23.8	1				
Channel				37825	38000	38175						
Frequency (MHz)				2577.5	2595	2612.5						
15	QPSK	1	0	23.46	23.60	23.50				24.8	0	
15	QPSK	1	37	23.59	23.66	23.62						
15	QPSK	1	74	23.41	23.64	23.59						
15	QPSK	36	0	22.49	22.56	22.51						
15	QPSK	36	20	22.52	22.58	22.54						
15	QPSK	36	39	22.41	22.61	22.51						
15	QPSK	75	0	22.49	22.62	22.55						
15	16QAM	1	0	22.37	22.52	22.51						
15	16QAM	1	37	22.58	22.68	22.68						
15	16QAM	1	74	22.43	22.58	22.60						
15	16QAM	36	0	21.43	21.54	21.45	22.8	2				
15	16QAM	36	20	21.44	21.56	21.51						
15	16QAM	36	39	21.38	21.58	21.53						
15	16QAM	75	0	21.51	21.59	21.80						
15	64QAM	1	0	21.18	21.34	21.27						
15	64QAM	1	37	21.36	21.47	21.29						
15	64QAM	1	74	21.09	21.30	21.31						
15	64QAM	36	0	20.68	20.76	20.67						
15	64QAM	36	20	20.64	20.73	20.68						
15	64QAM	36	39	20.57	20.80	20.74						
15	64QAM	75	0	20.68	20.78	20.75	23.8	1				
Channel				37800	38000	38200						
Frequency (MHz)				2575	2595	2615						
10	QPSK	1	0	23.55	23.57	23.55				24.8	0	
10	QPSK	1	25	23.55	23.63	23.67						
10	QPSK	1	49	23.51	23.67	23.67						
10	QPSK	25	0	22.49	22.63	22.55						
10	QPSK	25	12	22.48	22.66	22.59						
10	QPSK	25	25	22.49	22.60	22.62						
10	QPSK	50	0	22.50	22.63	22.63						
10	16QAM	1	0	22.51	22.56	22.60						
10	16QAM	1	25	22.57	22.71	22.66						
10	16QAM	1	49	22.54	22.67	22.65						
10	16QAM	25	0	21.58	21.67	21.57	22.8	2				
10	16QAM	25	12	21.50	21.68	21.59						
10	16QAM	25	25	21.46	21.62	21.65						
10	16QAM	50	0	21.50	21.66	21.62						
10	64QAM	1	0	21.23	21.31	21.32						
10	64QAM	1	25	21.28	21.43	21.40						
10	64QAM	1	49	21.22	21.36	21.34						
10	64QAM	25	0	20.76	20.83	20.80						
10	64QAM	25	12	20.70	20.87	20.91						
10	64QAM	25	25	20.64	20.80	20.87						
10	64QAM	50	0	20.61	20.79	20.78	23.8	1				
Channel				37775	38000	38225						
Frequency (MHz)				2572.5	2595	2617.5						
5	QPSK	1	0	23.49	23.67	23.61				24.8	0	
5	QPSK	1	12	23.57	23.58	23.64						
5	QPSK	1	24	23.52	23.69	23.66						
5	QPSK	12	0	22.51	22.68	22.61						
5	QPSK	12	7	22.45	22.61	22.62						
5	QPSK	12	13	22.48	22.56	22.65						
5	QPSK	25	0	22.48	22.62	22.69						
5	16QAM	1	0	22.43	22.60	22.64						
5	16QAM	1	12	22.54	22.68	22.64						
5	16QAM	1	24	22.48	22.66	22.71						
5	16QAM	12	0	21.48	21.63	21.39	22.8	2				
5	16QAM	12	7	21.39	21.53	21.61						
5	16QAM	12	13	21.40	21.54	21.58						
5	16QAM	25	0	21.55	21.64	21.67						
5	64QAM	1	0	21.20	21.47	21.31						
5	64QAM	1	12	21.27	21.49	21.41						
5	64QAM	1	24	21.23	21.45	21.42						
5	64QAM	12	0	20.66	20.86	20.77						
5	64QAM	12	7	20.61	20.80	20.85						
5	64QAM	12	13	20.65	20.78	20.82						
5	64QAM	25	0	20.75	20.87	20.87	23.8	3				

Band 38_Ant14												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)				37850	38000	38150						
20	QPSK	1	0	22.46	22.58	22.33	23.8	0				
20	QPSK	1	49	22.65	22.39	22.51						
20	QPSK	1	99	22.57	22.24	22.43						
20	QPSK	50	0	22.53	22.28	22.33						
20	QPSK	50	24	22.48	22.29	22.36						
20	QPSK	50	50	22.47	22.23	22.40						
20	QPSK	100	0	22.47	22.27	22.34						
20	16QAM	1	0	22.37	22.15	22.21						
20	16QAM	1	49	22.57	22.33	22.45						
20	16QAM	1	99	22.42	22.21	22.32						
20	16QAM	50	0	21.51	21.28	21.30	22.8	1				
20	16QAM	50	24	21.54	21.31	21.36						
20	16QAM	50	50	21.46	21.24	21.40						
20	16QAM	100	0	21.47	21.28	21.35						
20	64QAM	1	0	21.20	21.15	21.22						
20	64QAM	1	49	21.33	21.10	21.15						
20	64QAM	1	99	21.15	21.11	21.20						
20	64QAM	50	0	20.67	20.44	20.44						
20	64QAM	50	24	20.71	20.45	20.53						
20	64QAM	50	50	20.63	20.39	20.54						
20	64QAM	100	0	20.65	20.43	20.48	23.8	0				
Channel				37825	38000	38175						
Frequency (MHz)				2577.5	2595	2612.5						
15	QPSK	1	0	22.24	22.09	22.04				23.8	0	
15	QPSK	1	37	22.46	22.24	22.36						
15	QPSK	1	74	22.42	22.10	22.20						
15	QPSK	36	0	22.48	22.18	22.28						
15	QPSK	36	20	22.33	22.29	22.21						
15	QPSK	36	39	22.36	22.23	22.29						
15	QPSK	75	0	22.43	22.20	22.30						
15	16QAM	1	0	22.25	22.08	22.09						
15	16QAM	1	37	22.41	22.33	22.29						
15	16QAM	1	74	22.25	22.14	22.15						
15	16QAM	36	0	21.50	21.24	21.29	22.8	1				
15	16QAM	36	20	21.54	21.13	21.36						
15	16QAM	36	39	21.29	21.08	21.23						
15	16QAM	75	0	21.47	21.28	21.35						
15	64QAM	1	0	21.37	21.04	21.19						
15	64QAM	1	37	21.32	21.05	21.14						
15	64QAM	1	74	21.01	20.96	21.06						
15	64QAM	36	0	20.30	20.26	20.27						
15	64QAM	36	20	20.61	20.25	20.43						
15	64QAM	36	39	20.50	20.25	20.41						
15	64QAM	75	0	20.57	20.43	20.40	23.8	2				
Channel				37800	38000	38200						
Frequency (MHz)				2575	2595	2615						
10	QPSK	1	0	22.35	22.06	22.08				23.8	0	
10	QPSK	1	25	22.59	22.32	22.32						
10	QPSK	1	49	22.35	22.14	22.33						
10	QPSK	25	0	22.53	22.09	22.33						
10	QPSK	25	12	22.31	22.10	22.19						
10	QPSK	25	25	22.30	22.11	22.23						
10	QPSK	50	0	22.28	22.08	22.15						
10	16QAM	1	0	22.29	21.98	22.13						
10	16QAM	1	25	22.51	22.16	22.39						
10	16QAM	1	49	22.24	22.02	22.14						
10	16QAM	25	0	21.41	21.23	21.20	22.8	1				
10	16QAM	25	12	21.42	21.17	21.24						
10	16QAM	25	25	21.42	21.15	21.36						
10	16QAM	50	0	21.29	21.11	21.17						
10	64QAM	1	0	21.03	21.00	21.05						
10	64QAM	1	25	21.18	21.00	21.00						
10	64QAM	1	49	21.03	20.93	21.08						
10	64QAM	25	0	20.60	20.26	20.37						
10	64Q											



Band 41_Ant31										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.44	23.38	23.52	23.47	23.36	24.8	0
20	QPSK	1	49	23.50	23.46	23.71	23.62	23.60		
20	QPSK	1	99	23.39	23.35	23.60	23.45	23.45	23.8	1
20	QPSK	50	0	22.38	22.49	22.66	22.53	22.54		
20	QPSK	50	24	22.50	22.49	22.60	22.55	22.55	23.8	1
20	QPSK	50	50	22.53	22.45	22.53	22.58	22.55		
20	QPSK	100	0	22.42	22.46	22.60	22.56	22.51	23.8	1
20	16QAM	1	0	22.39	22.28	22.56	22.45	22.37		
20	16QAM	1	49	22.54	22.56	22.71	22.60	22.64	23.8	1
20	16QAM	1	99	22.40	22.33	22.60	22.42	22.46		
20	16QAM	50	0	21.62	21.53	21.62	21.52	21.52	22.8	2
20	16QAM	50	24	21.73	21.51	21.66	21.56	21.57		
20	16QAM	50	50	21.72	21.46	21.64	21.53	21.53	22.8	2
20	16QAM	100	0	21.64	21.49	21.60	21.59	21.52		
20	64QAM	1	0	21.30	21.06	21.16	21.14	21.12	22.8	2
20	64QAM	1	49	21.41	21.25	21.42	21.40	21.30		
20	64QAM	1	99	21.27	21.05	21.30	21.15	21.19	21.8	3
20	64QAM	50	0	20.54	20.66	20.78	20.68	20.66		
20	64QAM	50	24	20.61	20.66	20.83	20.72	20.73	21.8	3
20	64QAM	50	50	20.66	20.56	20.81	20.69	20.70		
20	64QAM	100	0	20.58	20.62	20.77	20.67	20.65		
Channel										
Frequency (MHz)				39725	40173	40620	41063	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2692.5		
15	QPSK	1	0	23.43	23.46	23.48	23.47	23.43	24.80	0
15	QPSK	1	37	23.53	23.67	23.70	23.69	23.54		
15	QPSK	1	74	23.48	23.43	23.58	23.56	23.45	23.8	1
15	QPSK	36	0	22.39	22.39	22.56	22.49	22.41		
15	QPSK	36	20	22.44	22.47	22.58	22.51	22.42	23.8	1
15	QPSK	36	39	22.47	22.45	22.64	22.51	22.41		
15	QPSK	75	0	22.48	22.47	22.56	22.52	22.44	23.8	1
15	16QAM	1	0	22.45	22.36	22.47	22.46	22.36		
15	16QAM	1	37	22.55	22.63	22.67	22.58	22.57	22.8	2
15	16QAM	1	74	22.47	22.43	22.43	22.43	22.47		
15	16QAM	36	0	21.54	21.59	21.53	21.46	21.39	22.8	2
15	16QAM	36	20	21.64	21.60	21.58	21.43	21.39		
15	16QAM	36	39	21.71	21.64	21.61	21.47	21.38	22.8	2
15	16QAM	75	0	21.60	21.66	21.62	21.53	21.46		
15	64QAM	1	0	21.30	21.29	21.27	21.15	21.14	22.8	2
15	64QAM	1	37	21.46	21.43	21.37	21.31	21.37		
15	64QAM	1	74	21.32	21.39	21.29	21.23	21.13	21.8	3
15	64QAM	36	0	20.64	20.56	20.75	20.66	20.58		
15	64QAM	36	20	20.61	20.69	20.79	20.63	20.62	21.8	3
15	64QAM	36	39	20.68	20.67	20.77	20.66	20.58		
15	64QAM	75	0	20.55	20.53	20.78	20.67	20.61		
Channel										
Frequency (MHz)				39700	40160	40620	41080	41540		
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	23.42	23.60	23.58	23.43	23.62	24.80	0
10	QPSK	1	25	23.47	23.66	23.55	23.56	23.69		
10	QPSK	1	49	23.40	23.68	23.58	23.50	23.67	23.8	1
10	QPSK	25	0	22.29	22.61	22.47	22.44	22.65		
10	QPSK	25	12	22.39	22.63	22.46	22.49	22.72	23.8	1
10	QPSK	25	25	22.41	22.71	22.45	22.45	22.71		
10	QPSK	50	0	22.45	22.63	22.47	22.51	22.71	23.8	1
10	16QAM	1	0	22.35	22.59	22.45	22.42	22.62		
10	16QAM	1	25	22.47	22.67	22.56	22.55	22.65	22.8	2
10	16QAM	1	49	22.38	22.61	22.50	22.53	22.73		
10	16QAM	25	0	21.57	21.67	21.47	21.53	21.68	22.8	2
10	16QAM	25	12	21.60	21.67	21.52	21.50	21.74		
10	16QAM	25	25	21.55	21.65	21.52	21.46	21.77	22.8	2
10	16QAM	50	0	21.59	21.61	21.48	21.50	21.75		
10	64QAM	1	0	21.33	21.30	21.25	21.16	21.46	22.8	2
10	64QAM	1	25	21.37	21.46	21.28	21.29	21.50		
10	64QAM	1	49	21.29	21.38	21.17	21.19	21.44	21.8	3
10	64QAM	25	0	20.52	20.80	20.66	20.68	20.92		
10	64QAM	25	12	20.60	20.80	20.68	20.77	20.94	21.8	3
10	64QAM	25	25	20.64	20.86	20.65	20.69	21.01		
10	64QAM	50	0	20.66	20.77	20.64	20.67	20.93		
Channel										
Frequency (MHz)				39675	40148	40620	41093	41565		
Frequency (MHz)				2496.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	23.36	23.55	23.46	23.43	23.45	24.80	0
5	QPSK	1	12	23.41	23.63	23.57	23.51	23.53		
5	QPSK	1	24	23.36	23.65	23.52	23.47	23.49	23.8	1
5	QPSK	12	0	22.33	22.55	22.40	22.42	22.41		
5	QPSK	12	7	22.34	22.57	22.39	22.39	22.41	23.8	1
5	QPSK	12	13	22.34	22.58	22.45	22.40	22.39		
5	QPSK	25	0	22.34	22.57	22.41	22.40	22.48	23.8	1
5	16QAM	1	0	22.38	22.58	22.39	22.41	22.41		
5	16QAM	1	12	22.44	22.68	22.43	22.54	22.44	22.8	2
5	16QAM	1	24	22.37	22.61	22.45	22.45	22.44		
5	16QAM	12	0	21.45	21.51	21.37	21.35	21.37	22.8	2
5	16QAM	12	7	21.44	21.52	21.33	21.34	21.35		
5	16QAM	12	13	21.48	21.46	21.34	21.31	21.29	22.8	2
5	16QAM	25	0	21.58	21.54	21.45	21.46	21.44		
5	64QAM	1	0	21.34	21.32	21.20	21.24	21.19	22.8	2
5	64QAM	1	12	21.31	21.29	21.15	21.25	21.20		
5	64QAM	1	24	21.34	21.36	21.19	21.22	21.22	21.8	3
5	64QAM	12	0	20.47	20.72	20.53	20.60	20.54		
5	64QAM	12	7	20.52	20.75	20.55	20.58	20.52	21.8	3
5	64QAM	12	13	20.46	20.72	20.54	20.53	20.54		
5	64QAM	25	0	20.58	20.74	20.61	20.62	20.59		

Band 41_Ant14										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.15	23.35	23.20	23.15	23.30	24.8	0
20	QPSK	1	49	23.41	23.50	23.63	23.38	23.52		
20	QPSK	1	99	23.28	23.44	23.20	23.16	23.36	23.8	1
20	QPSK	50	0	22.24	22.40	22.55	22.31	22.48		
20	QPSK	50	24	22.35	22.45	22.32	22.28	22.47	23.8	1
20	QPSK	50	50	22.36	22.44	22.25	22.24	22.42		
20	QPSK	100	0	22.31	22.45	22.52	22.26	22.50	23.8	1
20	16QAM	1	0	22.19	22.33	22.16	22.14	22.28		
20	16QAM	1	49	22.40	22.53	22.37	22.37	22.54	23.8	1
20	16QAM	1	99	22.26	22.40	22.15	22.14	22.34		
20	16QAM	50	0	21.41	21.44	21.34	21.31	21.47	22.8	2
20	16QAM	50	24	21.54	21.51	21.32	21.30	21.48		
20	16QAM	50	50	21.55	21.50	21.23	21.23	21.51	22.8	2
20	16QAM	100	0	21.48	21.45	21.28	21.28	21.49		
20	64QAM	1	0	21.11	21.04	21.09	21.05	21.05	22.8	2
20	64QAM	1	49	21.28	21.26	21.10	21.10	21.26		
20	64QAM	1	99	21.05	21.11	21.10	21.06	21.08	21.8	3
20	64QAM	50	0	20.31	20.60	20.47	20.47	20.66		
20	64QAM	50	24	20.41	20.67	20.46	20.44	20.64	21.8	3
20	64QAM	50	50	20.51	20.63	20.42	2			



DSI 5 & DSI 6 Power

GSM50_Ant11	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	150	159	251		150	159	251	
TX Channel	532	534	536	532	534	536	532	534
Frequency (MHz)	834.2	836.4	838.6	834.2	836.4	838.6	834.2	836.4
GSM 1 Tx slot	32.09	32.20	32.22	33.50	23.09	23.20	23.22	24.50
GPRS 1 Tx slot	32.08	32.17	32.21	33.50	23.08	23.17	23.21	24.50
GPRS 2 Tx slots	30.33	30.34	30.32	31.50	24.33	24.34	24.32	25.50
GPRS 3 Tx slots	28.13	28.13	28.12	29.50	23.87	23.87	23.86	25.24
GPRS 4 Tx slots	26.44	26.45	26.52	28.00	23.44	23.45	23.52	25.00
EDGE 1 Tx slot	27.00	27.04	26.93	28.00	18.00	18.04	17.93	19.00
EDGE 2 Tx slots	24.42	24.51	24.45	25.70	16.42	16.51	16.45	19.20
EDGE 3 Tx slots	22.15	22.25	22.30	23.50	17.89	17.99	18.04	18.74
EDGE 4 Tx slots	20.30	20.31	20.28	21.70	17.30	17.31	17.28	18.70

GSM1900_Ant11	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8	1850.2	1880	1909.8	1850.2	1880
Frequency (MHz)	1850.2	1880	1909.8	1850.2	1880	1909.8	1850.2	1880
GSM 1 Tx slot	27.55	27.32	27.24	28.50	18.55	18.32	18.24	19.50
GPRS 1 Tx slot	27.54	27.27	27.27	28.50	18.54	18.27	18.27	19.50
GPRS 2 Tx slots	24.99	24.98	24.99	26.30	18.99	18.98	18.99	20.30
GPRS 3 Tx slots	22.72	22.68	22.43	24.00	18.46	18.42	18.17	19.74
GPRS 4 Tx slots	21.23	21.46	21.37	22.50	18.23	18.46	18.37	19.50
EDGE 1 Tx slot	25.47	25.51	25.18	26.50	16.47	16.51	16.18	17.50
EDGE 2 Tx slots	23.51	23.60	23.22	24.50	17.51	17.60	17.22	18.50
EDGE 3 Tx slots	21.38	21.42	21.30	22.70	17.32	17.36	17.34	18.44
EDGE 4 Tx slots	20.10	20.05	19.84	21.20	17.10	17.05	16.84	18.20

GSM50_Ant11	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	150	159	251		150	159	251	
TX Channel	532	534	536	532	534	536	532	534
Frequency (MHz)	834.2	836.4	838.6	834.2	836.4	838.6	834.2	836.4
GSM 1 Tx slot	30.54	30.43	30.55	31.50	21.54	21.43	21.55	22.50
GPRS 1 Tx slot	30.12	30.09	30.23	31.50	21.12	21.09	21.23	22.50
GPRS 2 Tx slots	27.91	27.96	27.89	29.50	21.91	21.96	21.89	23.50
GPRS 3 Tx slots	25.86	25.86	25.86	27.50	21.60	21.60	21.70	23.24
GPRS 4 Tx slots	24.69	24.70	24.78	26.00	21.69	21.70	21.78	23.00
EDGE 1 Tx slot	26.70	26.72	26.84	28.00	17.70	17.72	17.84	19.00
EDGE 2 Tx slots	24.34	24.42	24.33	25.70	18.34	18.42	18.33	19.70
EDGE 3 Tx slots	22.15	22.21	22.16	23.50	17.89	17.95	17.90	19.24
EDGE 4 Tx slots	20.34	20.33	20.25	21.70	17.34	17.33	17.25	18.70

GSM1900_Ant14	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8	1850.2	1880	1909.8	1850.2	1880
Frequency (MHz)	1850.2	1880	1909.8	1850.2	1880	1909.8	1850.2	1880
GSM 1 Tx slot	27.40	27.35	27.22	28.50	18.40	18.35	18.22	19.50
GPRS 1 Tx slot	27.34	27.31	27.19	28.50	18.34	18.31	18.19	19.50
GPRS 2 Tx slots	24.98	24.98	24.98	26.30	18.98	18.98	18.98	20.30
GPRS 3 Tx slots	22.76	22.76	22.75	24.00	18.50	18.50	18.49	19.74
GPRS 4 Tx slots	21.63	21.57	21.82	22.50	18.63	18.57	18.82	19.50
EDGE 1 Tx slot	25.26	25.35	25.18	26.50	16.26	16.35	16.18	17.50
EDGE 2 Tx slots	23.67	23.66	23.43	24.50	17.67	17.66	17.43	18.50
EDGE 3 Tx slots	21.84	21.82	21.85	22.70	17.58	17.56	17.59	18.44
EDGE 4 Tx slots	20.26	20.36	20.25	21.20	17.26	17.36	17.25	18.20

Band	WCDMA I_Ant11			Tune-up Limit (dBm)	WCDMA I_Ant11			Tune-up Limit (dBm)	WCDMA V_Ant11			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513		4132	4182	4233	
TX Channel	9662	9660	9638	9662	9660	9638	9662	9660	9638	9662	9660	9638
Frequency (MHz)	1852.4	1880	1907.6	1852.4	1880	1907.6	1852.4	1880	1907.6	1852.4	1880	1907.6
3GPP Rel 99 AMR 12.2kops	18.65	18.67	18.69	20.00	18.88	18.96	18.83	20.00	23.63	23.68	23.62	25.00
3GPP Rel 99 RMC 12.2kops	18.68	18.75	18.64	20.00	18.89	19.02	18.87	20.00	23.66	23.70	23.68	25.00
3GPP Rel 6 HSDPA Subtest-1	17.57	17.68	17.53	19.00	17.56	17.78	17.58	19.00	22.60	22.70	22.61	24.00
3GPP Rel 6 HSDPA Subtest-2	17.59	17.69	17.64	19.00	17.73	17.84	17.75	19.00	22.72	22.74	22.72	24.00
3GPP Rel 6 HSDPA Subtest-3	17.05	17.20	17.03	18.50	17.16	17.43	17.27	18.50	22.15	22.21	22.15	23.50
3GPP Rel 6 HSDPA Subtest-4	16.94	17.23	17.09	18.00	17.95	17.98	17.23	18.50	22.09	22.18	22.18	23.50
3GPP Rel 6 DC-HSDPA Subtest-1	17.49	17.50	17.51	19.00	17.59	17.78	17.55	19.00	22.46	22.56	22.47	24.00
3GPP Rel 6 DC-HSDPA Subtest-2	17.54	17.50	17.58	19.00	17.65	17.70	17.82	19.00	22.72	22.62	22.72	24.00
3GPP Rel 6 DC-HSDPA Subtest-3	17.03	17.02	16.93	18.50	17.22	17.38	17.18	18.50	21.98	22.05	21.98	23.50
3GPP Rel 6 DC-HSDPA Subtest-4	16.84	17.17	16.99	18.50	17.26	17.16	17.28	18.50	22.06	22.03	22.15	23.50
3GPP Rel 6 HSUPA Subtest-1	16.82	16.88	16.42	18.00	16.96	16.03	16.16	17.00	20.87	20.68	20.62	22.00
3GPP Rel 6 HSUPA Subtest-2	16.50	16.58	16.56	18.00	15.91	15.95	15.95	17.00	20.65	20.72	20.67	22.00
3GPP Rel 6 HSUPA Subtest-3	17.50	17.70	17.69	19.00	17.01	16.98	16.96	18.00	21.75	21.75	21.60	23.00
3GPP Rel 6 HSUPA Subtest-4	16.20	16.25	16.12	17.50	15.57	15.54	15.47	18.50	20.34	20.35	20.20	22.00
3GPP Rel 6 HSUPA Subtest-5	17.53	17.70	17.42	19.00	16.95	17.00	16.93	18.00	21.57	21.70	21.55	23.00
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	17.22	17.27	17.21	18.00	16.06	16.18	16.10	17.00	21.10	21.13	21.05	22.00

Band	WCDMA I_Ant14			Tune-up Limit (dBm)	WCDMA IV_Ant14			Tune-up Limit (dBm)	WCDMA V_Ant11			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513		4132	4182	4233	
TX Channel	9662	9660	9638	9662	9660	9638	9662	9660	9638	9662	9660	9638
Frequency (MHz)	1852.4	1880	1907.6	1852.4	1880	1907.6	1852.4	1880	1907.6	1852.4	1880	1907.6
3GPP Rel 99 AMR 12.2kops	19.11	19.19	19.16	20.50	19.46	19.41	19.37	20.50	22.33	22.36	22.32	23.50
3GPP Rel 99 RMC 12.2kops	19.15	19.25	19.18	20.50	19.47	19.54	19.50	20.50	22.26	22.44	22.31	23.50
3GPP Rel 6 HSDPA Subtest-1	16.21	16.30	16.17	19.50	16.45	16.44	16.35	19.50	21.34	21.37	21.34	22.50
3GPP Rel 6 HSDPA Subtest-2	16.15	16.21	16.06	19.50	16.31	16.45	16.46	19.50	21.11	21.32	21.23	22.50
3GPP Rel 6 HSDPA Subtest-3	17.69	17.78	17.59	19.00	17.86	17.98	17.79	19.00	20.85	20.83	20.63	22.00
3GPP Rel 6 HSDPA Subtest-4	17.75	17.74	17.63	19.00	17.91	17.86	17.82	19.00	20.77	20.65	20.67	22.00
3GPP Rel 6 DC-HSDPA Subtest-1	17.97	18.21	17.97	19.50	18.24	18.40	18.18	19.50	21.19	21.32	21.26	22.50
3GPP Rel 6 DC-HSDPA Subtest-2	18.08	18.02	18.04	19.50	18.16	18.37	18.27	19.50	21.02	21.08	21.11	22.50
3GPP Rel 6 DC-HSDPA Subtest-3	17.69	17.57	17.68	19.00	17.85	17.93	17.81	19.00	20.66	20.87	20.55	22.00
3GPP Rel 6 DC-HSDPA Subtest-4	17.83	17.48	17.58	19.00	17.80	17.91	17.82	19.00	20.67	20.72	20.70	22.00
3GPP Rel 6 HSUPA Subtest-1	17.14	17.29	17.07	18.50	16.42	16.34	16.34	17.50	19.16	19.22	19.29	20.50
3GPP Rel 6 HSUPA Subtest-2	17.17	17.30	17.10	18.50	16.18	16.34	16.30	17.50	19.20	19.52	19.08	20.50
3GPP Rel 6 HSUPA Subtest-3	18.23	18.30	18.33	19.50	17.38	17.44	17.36	18.50	20.21	20.39	20.20	21.50
3GPP Rel 6 HSUPA Subtest-4	16.73	16.84	16.87	18.00	15.96	15.96	15.97	17.00	18.76	18.68	18.67	20.50
3GPP Rel 6 HSUPA Subtest-5	16.22	16.33	16.07	19.50	17.41	17.39	17.24	18.50	20.10	20.22	20.13	21.50
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	17.77	17.87	17.82	18.50	16.58	16.60	16.79	17.50	19.65	19.67	19.72	20.50



Band 2_Ant14										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./Freq. (W/Hz)	Power Ch./Freq. (W/Hz)	Power Ch./Freq. (W/Hz)	Time-use (min)	MPR (dB)		
Frequency (MHz)										
20	QPSK	1	0	19.17	19.17	19.18				
20	QPSK	1	49	19.18	19.20	19.18	20.5	0		
20	QPSK	1	99	19.19	19.18	19.21				
20	QPSK	50	0	19.19	19.23	19.24				
20	QPSK	50	24	19.05	19.17	19.05				
20	QPSK	50	50	19.18	19.13	19.20				
20	QPSK	100	0	19.07	19.26	19.07				
20	HQAM	1	0	19.17	19.13	19.03				
20	HQAM	1	49	19.18	19.21	19.05	20.5	0		
20	HQAM	1	99	19.19	19.14	19.06				
20	HQAM	50	0	19.17	19.21	19.03				
20	HQAM	50	24	19.11	19.10	19.09				
20	HQAM	50	50	19.08	19.10	19.04				
20	HQAM	100	0	19.10	19.21	19.03				
20	HQAM	100	0	19.10	19.12	19.08	20.5	0		
20	HQAM	100	49	19.10	19.10	19.07				
20	HQAM	100	99	19.14	19.21	19.02				
20	HQAM	100	0	19.10	19.10	19.06				
20	HQAM	50	24	19.10	19.00	19.01				
20	HQAM	50	50	19.10	19.00	19.01				
20	HQAM	100	0	19.03	19.08	19.04				
Channel										
Frequency (MHz)										
15	QPSK	1	0	19.15	19.21	19.06				
15	QPSK	1	37	19.07	19.20	19.02	20.5	0		
15	QPSK	1	74	19.10	19.21	19.02				
15	QPSK	36	0	19.13	19.15	19.06				
15	QPSK	36	20	19.08	19.21	19.10	20.5	0		
15	QPSK	36	40	19.17	19.15	19.02				
15	HQAM	1	0	19.13	19.19	19.03				
15	HQAM	1	37	19.07	19.12	19.01	20.5	0		
15	HQAM	1	74	19.11	19.11	19.04				
15	HQAM	36	0	19.08	19.15	19.08				
15	HQAM	36	20	19.10	19.13	19.08	20.5	0		
15	HQAM	36	40	19.08	19.11	19.04				
15	HQAM	75	0	19.14	19.10	19.09				
15	HQAM	1	0	19.09	19.19	19.08				
15	HQAM	1	37	19.08	19.11	19.02	20.5	0		
15	HQAM	1	74	19.10	19.10	19.07				
15	HQAM	36	0	19.07	19.00	19.05				
15	HQAM	36	20	19.03	19.09	19.04	20.5	0		
15	HQAM	36	40	19.08	19.00	19.07				
15	HQAM	75	0	19.08	19.00	19.07				
Channel										
Frequency (MHz)										
10	QPSK	1	0	19.00	19.00	19.00				
10	QPSK	1	25	19.14	19.23	19.04	20.5	0		
10	QPSK	1	49	19.17	19.20	19.06				
10	QPSK	25	0	19.10	19.21	19.05				
10	QPSK	25	13	19.08	19.13	19.06				
10	QPSK	25	25	19.05	19.11	19.03	20.5	0		
10	QPSK	50	0	19.07	19.15	19.07				
10	HQAM	1	0	19.07	19.12	19.07				
10	HQAM	1	25	19.10	19.14	19.08	20.5	0		
10	HQAM	1	49	19.12	19.15	19.04				
10	HQAM	25	0	19.12	19.10	19.07				
10	HQAM	25	13	19.09	19.13	19.06	20.5	0		
10	HQAM	25	25	19.10	19.15	19.06				
10	HQAM	50	0	19.10	19.23	19.09				
10	HQAM	1	0	19.06	19.22	19.07				
10	HQAM	1	25	19.08	19.14	19.04	20.5	0		
10	HQAM	1	49	19.08	19.13	19.00				
10	HQAM	25	0	19.00	19.00	19.00				
10	HQAM	25	13	19.08	19.00	19.06	20.5	0		
10	HQAM	25	25	19.07	19.00	19.06				
10	HQAM	50	0	19.00	19.06	19.09				
Channel										
Frequency (MHz)										
5	QPSK	1	0	19.14	19.23	19.01				
5	QPSK	1	12	19.00	19.17	19.04	20.5	0		
5	QPSK	1	24	19.17	19.14	19.03				
5	QPSK	12	0	19.10	19.23	19.07				
5	QPSK	12	7	19.10	19.14	19.04				
5	QPSK	12	13	19.08	19.19	19.04	20.5	0		
5	QPSK	25	0	19.07	19.17	19.09				
5	HQAM	1	0	19.17	19.17	19.09				
5	HQAM	1	12	19.16	19.22	19.04	20.5	0		
5	HQAM	1	24	19.13	19.18	19.09				
5	HQAM	12	0	19.11	19.11	19.02				
5	HQAM	12	7	19.07	19.22	19.09	20.5	0		
5	HQAM	12	13	19.12	19.17	19.12				
5	HQAM	25	0	19.07	19.23	19.04				
5	HQAM	25	13	19.10	19.20	19.00	20.5	0		
5	HQAM	25	25	19.07	19.03	19.08				
5	HQAM	12	13	19.08	19.00	19.08				
5	HQAM	25	0	19.00	19.03	19.06	20.5	0		
Channel										
Frequency (MHz)										
3	QPSK	1	0	19.17	19.17	19.07				
3	QPSK	1	9	19.10	19.22	19.07	20.5	0		
3	QPSK	8	0	19.05	19.20	19.00				
3	QPSK	8	4	19.10	19.11	19.06				
3	QPSK	8	7	19.11	19.23	19.04	20.5	0		
3	QPSK	15	0	19.07	19.12	19.07				
3	HQAM	1	0	19.17	19.18	19.03				
3	HQAM	1	9	19.07	19.12	19.06	20.5	0		
3	HQAM	8	0	19.04	19.19	19.07				
3	HQAM	8	4	19.08	19.14	19.04	20.5	0		
3	HQAM	8	7	19.07	19.15	19.06				
3	HQAM	15	0	19.10	19.21	19.04				
3	HQAM	1	0	19.08	19.22	19.03	20.5	0		
3	HQAM	1	14	19.08	19.15	19.01				
3	HQAM	1	12	19.11	19.23	19.00				
3	HQAM	1	24	19.14	19.23	19.03	20.5	0		
3	HQAM	8	0	19.08	19.15	19.06				
3	HQAM	8	4	19.08	19.00	19.04	20.5	0		
3	HQAM	8	7	19.07	19.03	19.08				
3	HQAM	15	0	19.07	19.03	19.08				
3	HQAM	12	13	19.08	19.00	19.08	20.5	0		
3	HQAM	25	0	19.00	19.03	19.06				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	19.16	19.16	19.10				
1.4	QPSK	1	14	19.10	19.14	19.00	20.5	0		
1.4	QPSK	1	6	19.07	19.16	19.02				
1.4	QPSK	3	0	19.14	19.17	19.09				
1.4	QPSK	3	1	19.10	19.11	19.07				
1.4	QPSK	3	3	19.17	19.13	19.03	20.5	0		
1.4	QPSK	6	0	19.17	19.21	19.10				
1.4	HQAM	1	0	19.00	19.22	19.07				
1.4	HQAM	1	14	19.14	19.14	19.08	20.5	0		
1.4	HQAM	1	6	19.12	19.16	19.05				
1.4	HQAM	3	0	19.04	19.13	19.01				
1.4	HQAM	3	1	19.07	19.14	19.06	20.5	0		
1.4	HQAM	3	3	19.08	19.12	19.00				
1.4	HQAM	6	0	19.00	19.19	19.09	20.5	0		
1.4	HQAM	1	0	19.11	19.17	19.08				
1.4	HQAM	1	14	19.12	19.14	19.02	20.5	0		
1.4	HQAM	1	6	19.08	19.18	19.07				
1.4	HQAM	3	0	19.07	19.23	19.04				
1.4	HQAM	3	1	19.07	19.20	19.04	20.5	0		
1.4	HQAM	3	3	19.11	19.22	19.04				
1.4	HQAM	6	0	19.08	19.04	19.07	20.5	0		

Band 2_Ant31										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./Freq. (W/Hz)	Power Ch./Freq. (W/Hz)	Power Ch./Freq. (W/Hz)	Time-use (min)	MPR (dB)		
Frequency (MHz)										
20	QPSK	1	0	18.02	17.88	17.84				
15	QPSK	1	49	17.96	18.03	17.89	19.5	0		
20	QPSK	1	99	17.78	17.78	17.75				



Band 5_Ant11										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch. / Freq. (Watt)	Power Ch. / Freq. (Watt)	Power Ch. / Freq. (Watt)	Time-up (min)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.47	22.60	22.55				
10	QPSK	1	25	22.59	22.64	22.51	23.8	0		
10	QPSK	1	49	22.60	22.47	22.51				
10	QPSK	25	0	22.47	22.58	22.44				
10	QPSK	25	12	22.48	22.50	22.53				
10	QPSK	25	25	22.41	22.52	22.49	23.8	0		
10	QPSK	25	37	22.51	22.52	22.53				
10	HQAM	1	0	22.25	22.36	22.32				
10	HQAM	1	25	22.36	22.24	22.33	23.8	0		
10	HQAM	1	49	22.32	22.35	22.41				
10	HQAM	25	0	21.48	21.53	21.52				
10	HQAM	25	12	21.49	21.54	21.52	22.8	1		
10	HQAM	25	25	21.44	21.61	21.53				
10	HQAM	50	0	21.43	21.51	21.53				
10	HQAM	50	1	21.53	21.46	21.51	22.8	1		
10	HQAM	50	1	21.53	21.46	21.51				
10	HQAM	1	25	21.36	21.78	21.78	22.8	1		
10	HQAM	1	49	21.28	21.80	21.83				
10	HQAM	25	0	20.70	20.81	20.75				
10	HQAM	25	12	20.62	20.80	20.87	21.8	2		
10	HQAM	25	25	20.51	20.71	20.81				
10	HQAM	50	0	20.43	20.71	20.84				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.29	22.34	22.44				
5	QPSK	1	12	22.27	22.43	22.41	23.8	0		
5	QPSK	1	24	22.27	22.40	22.40				
5	QPSK	12	0	22.34	22.41	22.51				
5	QPSK	12	7	22.25	22.38	22.40	23.8	0		
5	QPSK	12	14	22.38	22.38	22.38				
5	QPSK	25	0	22.37	22.38	22.38				
5	HQAM	1	0	22.24	22.36	22.36				
5	HQAM	1	12	22.24	22.36	22.40	23.8	0		
5	HQAM	1	24	22.24	22.39	22.41				
5	HQAM	12	0	21.27	21.38	21.50				
5	HQAM	12	7	21.34	21.31	21.39	22.8	1		
5	HQAM	12	14	21.33	21.38	21.50				
5	HQAM	25	0	21.23	21.31	21.39				
5	HQAM	1	0	21.11	21.43	21.41	22.8	1		
5	HQAM	1	12	21.48	21.60	21.71				
5	HQAM	1	24	21.48	21.60	21.71	22.8	1		
5	HQAM	12	0	20.45	20.84	20.79				
5	HQAM	12	7	20.53	20.55	20.53	21.8	2		
5	HQAM	12	14	20.53	20.55	20.55				
5	HQAM	25	0	20.42	20.54	20.50				
Channel										
Frequency (MHz)										
3	QPSK	1	0	22.24	22.34	22.41				
3	QPSK	1	8	22.41	22.38	22.42	23.8	0		
3	QPSK	1	14	22.40	22.34	22.34				
3	QPSK	8	0	22.32	22.38	22.45				
3	QPSK	8	4	22.29	22.42	22.41	23.8	0		
3	QPSK	8	7	22.28	22.41	22.45				
3	QPSK	16	0	22.29	22.33	22.44				
3	HQAM	1	0	22.24	22.38	22.37				
3	HQAM	1	8	22.24	22.42	22.42	23.8	0		
3	HQAM	1	14	22.32	22.34	22.41				
3	HQAM	8	0	21.38	21.29	21.51				
3	HQAM	8	4	21.40	21.47	21.46	22.8	1		
3	HQAM	8	7	21.34	21.50	21.48				
3	HQAM	16	0	21.29	21.26	21.39				
3	HQAM	1	0	21.12	21.36	21.68				
3	HQAM	1	8	21.31	21.52	21.63	22.8	1		
3	HQAM	1	14	21.29	21.61	21.27				
3	HQAM	8	0	20.44	20.44	20.56				
3	HQAM	8	4	20.45	20.57	20.59	21.8	2		
3	HQAM	8	7	20.55	20.57	20.63				
3	HQAM	16	0	20.42	20.53	20.63				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	22.18	22.37	22.41				
1.4	QPSK	1	3	22.38	22.41	22.39	23.8	0		
1.4	QPSK	1	5	22.41	22.40	22.43				
1.4	QPSK	3	0	22.17	22.34	22.32				
1.4	QPSK	3	1	22.40	22.46	22.32				
1.4	QPSK	3	3	22.42	22.31	22.42	23.8	0		
1.4	QPSK	6	0	22.28	22.22	22.24				
1.4	HQAM	1	0	22.29	22.43	22.42	22.8	0		
1.4	HQAM	1	3	22.41	22.42	22.33				
1.4	HQAM	1	5	22.43	22.40	22.38	23.8	0		
1.4	HQAM	3	0	22.31	22.30	22.29				
1.4	HQAM	3	1	22.31	22.28	22.33				
1.4	HQAM	3	3	22.33	22.15	22.13	22.8	1		
1.4	HQAM	6	0	21.27	21.68	21.69				
1.4	HQAM	6	1	21.40	21.39	21.45	22.8	1		
1.4	HQAM	1	3	21.48	20.36	21.15				
1.4	HQAM	1	5	21.57	21.18	21.18	22.8	1		
1.4	HQAM	3	0	21.33	21.30	21.38				
1.4	HQAM	3	1	21.09	21.33	21.43				
1.4	HQAM	3	3	21.40	21.34	21.30	21.8	2		
1.4	HQAM	6	0	20.38	20.33	20.33				

Band 5_Ant41										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch. / Freq. (Watt)	Power Ch. / Freq. (Watt)	Power Ch. / Freq. (Watt)	Time-up (min)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.46	23.66	23.54				
10	QPSK	1	25	23.37	23.67	23.58	24.8	0		
10	QPSK	1	49	23.46	23.66	23.59				
10	QPSK	25	0	23.56	23.68	23.62				
10	QPSK	25	12	23.5	23.51	23.58				
10	QPSK	25	25	22.49	22.55	22.57	23.8	1		
10	QPSK	50	0	23.56	23.58	23.57				
10	HQAM	1	0	22.84	22.88	22.81				
10	HQAM	1	25	22.68	22.69	22.6	23.8	1		
10	HQAM	1	49	22.79	22.61	22.68				
10	HQAM	25	0	21.52	21.52	21.45				
10	HQAM	25	12	21.48	21.47	21.56	22.8	2		
10	HQAM	25	25	21.48	21.58	21.56				
10	HQAM	50	0	21.54	21.69	21.53				
10	HQAM	50	1	21.37	21.69	21.82	22.8	2		
10	HQAM	1	25	21.64	21.75	21.36				
10	HQAM	1	49	21.49	21.6	21.58				
10	HQAM	25	0	20.64	20.7	20.4				
10	HQAM	25	12	20.67	20.7	20.8	21.8	3		
10	HQAM	25	25	20.63	20.79	20.71				
10	HQAM	50	0	20.81	20.71	20.71				
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.35	23.68	23.41				
5	QPSK	1	12	23.33	23.64	23.45	24.8	0		
5	QPSK	1	24	23.60	23.46	23.45				
5	QPSK	12	0	22.33	22.39	22.51				
5	QPSK	12	7	22.27	22.38	22.46	23.8	1		
5	QPSK	12	14	22.32	22.38	22.54				
5	QPSK	25	0	22.31	22.40	22.40				
5	HQAM	1	0	22.73	22.50	22.32				
5	HQAM	1	12	22.84	22.88	22.75	23.8	1		
5	HQAM	1	24	22.84	22.84	22.84				
5	HQAM	12	0	21.31	21.40	21.52				
5	HQAM	12	7	21.19	21.31	21.32	22.8	2		
5	HQAM	12	14	21.22	21.32	21.54				
5	HQAM	25	0	21.25	21.45	21.43				
5	HQAM	1	0	21.31	21.38	21.69	22.8	2		
5	HQAM	1	12	21.68	21.48	21.50				
5	HQAM	1	24	21.64	21.64	21.64				
5	HQAM	12	0	20.47	20.54	20.54	21.8	3		
5	HQAM	12	7	20.48	20.54	20.54				
5	HQAM	12	14	20.52	20.52	20.52				
5	HQAM	25								



Band 12_Ant11

BW (MHz)	Modulation	RB Size	RB Offset	Power Ch. 1 / Freq.	Power Ch. 2 / Freq.	Power Ch. 3 / Freq.	Turn-up time (dB)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	0	23.78	23.97	23.83	25	0
10	QPSK	1	25	23.85	23.86	23.75		
10	QPSK	1	49	23.83	23.80	23.84		
10	QPSK	25	0	22.60	22.74	22.81		
10	QPSK	25	12	22.67	22.86	22.85		
10	QPSK	25	25	22.64	22.67	22.64		
10	QPSK	25	37	22.68	22.70	22.68		
10	HQAM	1	0	22.85	22.69	22.64		
10	HQAM	1	25	22.77	22.84	22.89		
10	HQAM	1	49	22.52	22.68	22.83		
10	HQAM	25	0	21.78	21.83	21.99		
10	HQAM	25	12	21.89	21.90	21.85		
10	HQAM	25	25	21.89	21.81	21.84		
10	HQAM	50	0	21.86	21.79	21.84		
10	HQAM	1	0	21.85	22.03	21.99		
10	HQAM	1	25	22.13	22.07	21.96		
10	HQAM	1	49	22.13	21.95	21.99		
10	HQAM	25	0	20.74	20.80	20.76		
10	HQAM	25	12	20.83	20.80	20.87		
10	HQAM	25	25	20.77	20.80	20.83		
10	HQAM	50	0	20.78	20.88	20.83		
Channel								
Frequency (MHz)								
5	QPSK	1	0	23.57	23.75	23.69	25	0
5	QPSK	1	12	23.67	23.81	23.76		
5	QPSK	1	24	23.71	23.72	23.67		
5	QPSK	12	0	22.61	22.62	22.72		
5	QPSK	12	7	22.66	22.64	22.68		
5	QPSK	12	14	22.68	22.65	22.68		
5	QPSK	25	0	22.69	22.61	22.68		
5	HQAM	1	0	22.81	22.74	22.56		
5	HQAM	1	12	22.14	22.56	22.46		
5	HQAM	1	24	22.10	22.59	22.61		
5	HQAM	12	0	21.89	21.86	21.77		
5	HQAM	12	7	21.79	21.91	21.84		
5	HQAM	12	14	21.87	21.87	21.77		
5	HQAM	25	0	21.87	21.92	21.93		
5	HQAM	1	0	21.83	21.83	21.88		
5	HQAM	1	12	21.92	21.91	22.10		
5	HQAM	12	0	20.83	20.85	20.93		
5	HQAM	12	7	20.92	20.90	20.85		
5	HQAM	25	0	20.89	20.83	20.83		
Channel								
Frequency (MHz)								
3	QPSK	1	0	23.67	23.75	23.69	25	0
3	QPSK	1	6	23.59	23.72	23.67		
3	QPSK	1	14	23.73	23.68	23.69		
3	QPSK	8	0	22.59	22.59	22.74		
3	QPSK	8	4	22.63	22.61	22.70		
3	QPSK	8	7	22.68	22.63	22.59		
3	QPSK	16	0	22.50	22.80	22.88		
3	HQAM	1	0	22.48	22.00	22.91		
3	HQAM	1	13	22.50	22.80	22.98		
3	HQAM	1	14	22.59	22.91	23.11		
3	HQAM	8	0	21.85	21.74	22.02		
3	HQAM	8	4	21.90	21.80	22.01		
3	HQAM	8	7	21.96	21.88	21.95		
3	HQAM	16	0	21.88	21.77	21.89		
3	HQAM	1	0	21.80	22.06	22.17		
3	HQAM	1	13	22.01	22.05	21.77		
3	HQAM	1	14	21.91	21.90	21.98		
3	HQAM	8	0	20.83	20.78	20.87		
3	HQAM	8	4	20.87	20.86	20.94		
3	HQAM	8	7	20.80	20.90	20.91		
3	HQAM	16	0	20.78	20.89	20.78		
Channel								
Frequency (MHz)								
1.4	QPSK	1	0	23.67	23.59	23.73	25	0
1.4	QPSK	1	3	23.79	23.76	23.77		
1.4	QPSK	1	5	23.63	23.55	23.81		
1.4	QPSK	3	0	23.61	23.68	23.62		
1.4	QPSK	3	1	23.60	23.68	23.72		
1.4	QPSK	3	3	23.64	23.72	23.71		
1.4	QPSK	6	0	22.63	22.64	22.67		
1.4	QPSK	6	2	22.57	22.62	22.62		
1.4	HQAM	1	0	22.80	22.73	22.86		
1.4	HQAM	1	5	22.91	22.89	22.83		
1.4	HQAM	3	0	22.60	22.72	22.77		
1.4	HQAM	3	1	22.61	22.69	22.61		
1.4	HQAM	3	3	22.63	22.69	22.83		
1.4	HQAM	6	0	21.87	21.90	22.11		
1.4	HQAM	1	0	22.00	22.08	22.01		
1.4	HQAM	1	3	22.12	22.15	21.68		
1.4	HQAM	1	5	21.90	21.78	21.72		
1.4	HQAM	3	0	21.95	21.68	21.68		
1.4	HQAM	3	1	22.05	21.93	22.09		
1.4	HQAM	3	3	22.07	22.05	22.08		
1.4	HQAM	6	0	20.72	20.94	20.85		

Band 12_Ant41

BW (MHz)	Modulation	RB Size	RB Offset	Power Ch. 1 / Freq.	Power Ch. 2 / Freq.	Power Ch. 3 / Freq.	Turn-up time (dB)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	0	23.70	23.70	23.69	25	0
10	QPSK	1	25	23.86	23.89	23.85		
10	QPSK	1	49	23.81	23.79	23.71		
10	QPSK	25	0	22.63	22.71	22.69		
10	QPSK	25	12	22.68	22.71	22.67		
10	QPSK	25	25	22.70	22.69	22.64		
10	QPSK	25	37	22.68	22.71	22.68		
10	HQAM	1	0	22.90	22.58	22.58		
10	HQAM	1	25	22.75	22.91	22.77		
10	HQAM	1	49	22.61	23.20	23.24		
10	HQAM	25	0	21.88	21.88	21.84		
10	HQAM	25	12	21.88	21.90	21.80		
10	HQAM	25	25	21.82	21.82	21.86		
10	HQAM	50	0	21.82	21.83	21.89		
10	HQAM	1	0	21.80	22.07	22.20		
10	HQAM	1	25	22.22	21.97	21.79		
10	HQAM	1	49	21.90	21.81	21.99		
10	HQAM	25	0	20.88	20.88	21.00		
10	HQAM	25	12	20.91	20.90	20.83		
10	HQAM	25	25	20.81	20.77	20.89		
10	HQAM	50	0	20.88	20.97	20.85		
Channel								
Frequency (MHz)								
5	QPSK	1	0	23.62	23.62	23.60	25	0
5	QPSK	1	12	23.69	23.70	23.78		
5	QPSK	1	24	23.67	23.70	23.82		
5	QPSK	12	0	22.62	22.68	22.66		
5	QPSK	12	7	22.63	22.69	22.71		
5	QPSK	12	14	22.65	22.65	22.66		
5	QPSK	25	0	22.68	22.69	22.69		
5	HQAM	1	0	22.68	22.73	23.00		
5	HQAM	1	12	22.09	22.80	22.87		
5	HQAM	1	24	22.03	22.82	22.90		
5	HQAM	12	0	21.75	21.87	21.86		
5	HQAM	12	7	21.80	21.88	21.93		
5	HQAM	12	14	21.87	21.87	21.81		
5	HQAM	25	0	21.82	21.77	21.81		
5	HQAM	1	0	21.84	22.10	21.75		
5	HQAM	1	12	21.89	22.07	21.90		
5	HQAM	12	0	20.78	20.87	20.88		
5	HQAM	12	7	20.87	20.85	20.88		
5	HQAM	25	0	20.84	20.80	20.80		
Channel								
Frequency (MHz)								
3	QPSK	1	0	23.69	23.62	23.78	25	0
3	QPSK	1	6	23.68	23.62	23.72		
3	QPSK	1	14	23.64	23.65	23.73		
3	QPSK	8	0	22.62	22.62	22.69		
3	QPSK	8	4	22.64	22.64	22.72		
3	QPSK	8	7	22.63	22.60	22.71		
3	QPSK	16	0	22.59	22.61	22.82		
3	HQAM	1	0	22.49	22.62	22.78		
3	HQAM	1	14	22.68	22.62	22.87		
3	HQAM	8	0	21.87	21.87	21.89		
3	HQAM	8	4	21.88	21.80	21.80		
3	HQAM	8	7	21.86	21.84	21.98		
3	HQAM	16	0	21.77	21.87	21.76		
3	HQAM	1	0	22.04	22.08	21.97		
3	HQAM	1	13	21.87	21.91	22.00		
3	HQAM	1	14	22.18	21.88	22.17		
3	HQAM	8	0	20.82	20.74	20.99		
3	HQAM	8	4	20.90	20.80	20.80		
3	HQAM	8	7	20.86	20.88	20.93		
3	HQAM	16	0	20.83	20.74	20.91		
Channel								
Frequency (MHz)								
1.4	QPSK	1	0	23.53	23.55	23.59	25	0
1.4	QPSK	1	3	23.54	23.65	23.71		
1.4	QPSK	1	5	23.50	23.50	23.65		
1.4	QPSK	3	0	23.70	23.54	23.67		
1.4	QPSK	3	3	23.73	23.55	23.79		
1.4	QPSK	6	0	22.63	22.63	22.76		
1.4	QPSK	6	2	22.58	22.64	22.67		
1.4	HQAM	1	0	22.88	22.64	22.83		
1.4	HQAM	1	5	22.95	22.79	22.83		
1.4	HQAM	3	0	22.70	22.65	22.71		
1.4	HQAM	3	1	22.67	22.64	22.72		
1.4	HQAM	3	3	22.68	22.72	22.80		
1.4	HQAM	6	0	21.89	21.86	21.81		
1.4	HQAM	1	0	22.09	22.09	21.80		
1.4	HQAM	1	3	22.15	22.11	21.80		
1.4	HQAM	1	5	22.09	21.84	21.90		
1.4	HQAM	3	0	21.87	21.80	21.80		
1.4	HQAM	3	1	21.89	22.08	21.72		
1.4	HQAM	3	3	21.99	21.93	21.89		
1.4	HQAM	6	0	20.78	20.78	20.85		



Band 17_Ant11

BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch. / Freq.	Power Min. Ch. / Freq.	Power Max. Ch. / Freq.	Time-up (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	0	23.63	23.71	23.84	24.5	0
10	QPSK	1	25	23.71	23.75	23.72		
10	QPSK	1	49	23.66	23.49	23.67		
10	QPSK	25	0	22.64	22.88	22.66	24	1
10	QPSK	25	12	22.61	22.81	22.87		
10	QPSK	25	25	22.66	22.67	22.63		
10	QPSK	39	0	22.66	22.71	22.69		
10	HQAM	1	0	22.66	23.01	23.01	24	1
10	HQAM	1	25	22.64	22.66	22.48		
10	HQAM	1	49	22.65	22.69	23.02		
10	HQAM	25	0	21.62	21.77	21.62	23	2
10	HQAM	25	12	21.67	21.90	21.80		
10	HQAM	25	25	21.66	21.66	21.85		
10	HQAM	39	0	21.66	21.67	21.67		
10	HQAM	1	0	21.69	21.67	21.75	23	2
10	HQAM	1	25	21.70	22.17	22.17		
10	HQAM	1	49	21.61	21.60	22.18		
10	HQAM	25	0	20.79	20.86	20.90	22	3
10	HQAM	25	12	20.51	20.77	20.82		
10	HQAM	25	25	20.67	20.92	20.75		
10	HQAM	39	0	20.65	20.52	20.86		
Channel								
Frequency (MHz)								
5	QPSK	1	0	23.61	23.64	23.67	24.5	0
5	QPSK	1	12	23.47	23.67	23.69		
5	QPSK	1	24	23.60	23.64	23.63		
5	QPSK	12	0	22.68	22.66	22.68	24	1
5	QPSK	12	7	22.66	22.68	22.69		
5	QPSK	12	13	22.57	22.52	22.52		
5	QPSK	25	0	22.67	22.64	22.63	24	1
5	HQAM	1	0	22.62	22.66	22.63	24	1
5	HQAM	1	12	22.71	22.56	22.79		
5	HQAM	1	24	22.63	22.60	22.59		
5	HQAM	12	0	21.72	21.75	21.76	23	2
5	HQAM	12	7	21.69	21.74	21.71		
5	HQAM	12	13	21.73	21.67	21.66		
5	HQAM	25	0	21.75	21.79	21.71	23	2
5	HQAM	1	0	21.63	21.74	21.62	23	2
5	HQAM	1	12	21.66	22.00	22.16		
5	HQAM	1	24	21.62	22.02	22.09		
5	HQAM	12	0	20.69	20.80	20.84	22	3
5	HQAM	12	7	20.72	20.86	20.84		
5	HQAM	12	13	20.72	20.79	20.86		
5	HQAM	25	0	20.74	20.77	20.68		

Band 17_Ant41

BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch. / Freq.	Power Min. Ch. / Freq.	Power Max. Ch. / Freq.	Time-up (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	0	23.30	23.18	23.23	24.5	0
10	QPSK	1	25	23.09	23.31	23.19		
10	QPSK	1	49	23.24	23.27	23.20		
10	QPSK	25	0	22.64	22.66	22.67	24	0.5
10	QPSK	25	12	22.62	22.61	22.63		
10	QPSK	25	25	22.60	22.65	22.65		
10	QPSK	39	0	22.66	22.73	22.67		
10	HQAM	1	0	22.64	23.05	23.05	24	0.5
10	HQAM	1	25	22.69	23.26	22.96		
10	HQAM	1	49	22.57	22.65	23.27		
10	HQAM	25	0	21.62	21.67	21.65	23	1.5
10	HQAM	25	12	21.78	21.84	21.89		
10	HQAM	25	25	21.63	21.79	21.91		
10	HQAM	39	0	21.77	21.78	21.85		
10	HQAM	1	0	21.67	21.61	21.69	23	1.5
10	HQAM	1	25	21.77	21.65	22.09		
10	HQAM	1	49	22.24	21.89	22.00		
10	HQAM	25	0	20.82	20.77	20.86	22	2.5
10	HQAM	25	12	20.85	20.81	20.81		
10	HQAM	25	25	20.83	20.83	20.74		
10	HQAM	39	0	20.83	20.61	20.81		
Channel								
Frequency (MHz)								
5	QPSK	1	0	23.19	23.20	23.17	24.5	0
5	QPSK	1	12	23.08	23.26	23.28		
5	QPSK	1	24	23.26	23.26	23.27		
5	QPSK	12	0	22.63	22.66	22.66	24	0.5
5	QPSK	12	7	22.68	22.62	22.58		
5	QPSK	12	13	22.49	22.63	22.60		
5	QPSK	25	0	22.65	22.68	22.56	24	0.5
5	HQAM	1	0	22.62	23.03	22.67	24	0.5
5	HQAM	1	12	22.63	23.24	22.96		
5	HQAM	1	24	22.53	22.66	23.21		
5	HQAM	12	0	21.76	21.79	21.90	23	1.5
5	HQAM	12	7	21.69	21.81	21.81		
5	HQAM	12	13	21.73	21.75	21.81		
5	HQAM	25	0	21.74	21.72	21.77	23	1.5
5	HQAM	1	0	21.64	21.71	21.83		
5	HQAM	1	12	21.79	21.89	22.04		
5	HQAM	1	24	21.65	21.83	21.93		
5	HQAM	12	0	20.76	20.72	20.75	22	2.5
5	HQAM	12	7	20.68	20.69	20.69		
5	HQAM	12	13	20.79	20.74	20.89		
5	HQAM	25	0	20.77	20.77	20.78		

Band 18_Ant 11

BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch. / Freq.	Power Min. Ch. / Freq.	Power Max. Ch. / Freq.	Time-up (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	0	22.92			24.5	0
15	QPSK	1	37	22.26				
15	QPSK	1	74	22.90				
15	QPSK	39	0	22.65			24	0.5
15	QPSK	39	39	22.35				
15	QPSK	75	0	22.72			24	0.5
15	HQAM	1	0	22.46				
15	HQAM	1	37	22.72				
15	HQAM	1	74	22.72				
15	HQAM	39	0	21.30			23	1.5
15	HQAM	39	39	21.36				
15	HQAM	39	74	21.41				
15	HQAM	75	0	21.34			23	1.5
15	HQAM	1	0	21.38				
15	HQAM	1	37	21.51			23	1.5
15	HQAM	1	74	21.59				
15	HQAM	39	0	20.42			22	2.5
15	HQAM	39	39	20.62				
15	HQAM	39	74	20.59				
15	HQAM	75	0	20.59				
Channel								
Frequency (MHz)								
5	QPSK	1	0	22.89	22.78	22.87	24.5	0
5	QPSK	1	25	22.75	22.94	22.81		
5	QPSK	1	49	22.70	22.71	22.71		
5	QPSK	25	0	22.38	22.31	22.37	24	0.5
5	QPSK	25	12	22.34	22.28	22.29		
5	QPSK	25	25	22.18	22.33	22.38		
5	QPSK	39	0	22.29	22.43	22.32	24	0.5
5	HQAM	1	0	22.72	22.66	22.33	24	0.5
5	HQAM	1	25	22.52	22.31	22.37		
5	HQAM	1	49	22.61	22.70	22.60		
5	HQAM	25	0	21.36	21.29	21.31	23	1.5
5	HQAM	25	12	21.37	21.21	21.36		
5	HQAM	25	25	21.29	21.39	21.26		
5	HQAM	39	0	21.30	21.19	21.24	23	1.5
5	HQAM	1	0	21.52	21.38	21.52	23	1.5
5	HQAM	1	25	21.66	21.47	21.45		
5	HQAM	1	49	21.62	21.46	21.51		
5	HQAM	25	0	20.57	20.27	20.41	22	2.5
5	HQAM	25	12	20.44	20.50	20.47		
5	HQAM	25	25	20.63	20.53	20.65		
5	HQAM	39	0	20.53	20.48	20.49		
Channel								
Frequency (MHz)								
5	QPSK	1	0	22.67	22.61	22.62	24.5	0
5	QPSK	1	12	22.86	22.87	22.92		
5	QPSK	1	24	22.81	22.81	22.84		
5	QPSK	12	0	22.45	22.32	22.24	24	0.5
5	QPSK	12	7	22.37	22.34	22.31		
5	QPSK	12	13	22.19	22.29	22.30		
5	QPSK	25	0	22.26	22.27	22.19	24	0.5
5	HQAM	1	0	22.72	22.60	22.23	24	0.5
5	HQAM	1	12	22.96	22.90	22.36		
5	HQAM	1	24	22.54	22.60	22.63		
5	HQAM	12	0	21.23	21.19	21.16	23	1.5
5	HQAM	12	7	21.40	21.29	21.41		
5	HQAM	12	13	21.26	21.38	21.23		
5	HQAM	25	0	21.29	21.32	21.23	23	1.5
5	HQAM	1	0	21.63	21.26	21.62	23	1.5
5	HQAM	1	12	21.04	21.48	21.38		
5	HQAM	1						



Band 19_Ant 11

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power Peak Ch. / Freq.	Time-up (min)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	0	22.47	22.48	22.54	23.0	0
15	QPSK	1	37	22.38	22.55	22.40		
15	QPSK	1	74	22.44	22.50	22.50		
15	QPSK	36	0	22.44	22.52	22.50		
15	QPSK	36	20	22.25	22.43	22.29		
15	QPSK	36	36	22.30	22.46	22.38		
15	QPSK	75	0	22.39	22.46	22.37		
15	HQAM	1	0	22.42	22.38	22.49		
15	HQAM	1	37	22.34	22.34	22.38		
15	HQAM	1	74	22.51	22.31	22.37		
15	HQAM	36	0	21.62	21.44	21.47		
15	HQAM	36	20	21.57	21.33	21.54		
15	HQAM	36	36	21.57	21.45	21.80		
15	HQAM	75	0	21.46	21.43	21.46		
15	HQAM	1	0	21.40	21.67	21.56		
15	HQAM	1	37	21.77	21.66	21.63		
15	HQAM	1	74	21.29	21.50	21.85		
15	HQAM	36	0	20.75	20.54	20.67		
15	HQAM	36	20	20.63	20.73	20.88		
15	HQAM	36	36	20.74	20.65	20.73		
15	HQAM	75	0	20.84	20.65	20.67		
Channel								
Frequency (MHz)								
10	QPSK	1	0	22.38	22.42	22.43	23.0	0
10	QPSK	1	25	22.22	22.50	22.29		
10	QPSK	1	49	22.31	22.46	22.37		
10	QPSK	25	0	22.40	22.44	22.47		
10	QPSK	25	12	22.08	22.38	22.12		
10	QPSK	25	25	22.20	22.48	22.36		
10	QPSK	50	0	22.15	22.38	22.22		
10	HQAM	1	0	22.31	22.35	22.38		
10	HQAM	1	25	22.20	22.41	22.27		
10	HQAM	1	49	22.21	22.34	22.27		
10	HQAM	25	0	21.55	21.20	21.40		
10	HQAM	25	12	21.56	21.29	21.53		
10	HQAM	25	25	21.44	21.30	21.47		
10	HQAM	50	0	21.46	21.37	21.40		
10	HQAM	1	0	21.37	21.64	21.53		
10	HQAM	1	25	21.74	21.61	21.60		
10	HQAM	1	49	21.20	21.38	21.78		
10	HQAM	25	0	20.59	20.54	20.51		
10	HQAM	25	12	20.48	20.55	20.53		
10	HQAM	25	25	20.64	20.50	20.65		
10	HQAM	50	0	20.65	20.48	20.48		
Channel								
Frequency (MHz)								
5	QPSK	1	0	22.23	22.45	22.36	21.0	2
5	QPSK	1	14	22.27	22.45	22.33		
5	QPSK	12	0	22.31	22.46	22.38		
5	QPSK	12	7	22.23	22.40	22.37		
5	QPSK	12	13	22.19	22.29	22.25		
5	QPSK	25	0	22.14	22.33	22.21		
5	HQAM	1	0	22.21	22.18	22.29		
5	HQAM	1	12	22.25	22.44	22.25		
5	HQAM	1	24	22.27	22.45	22.33		
5	HQAM	12	0	22.31	22.46	22.38		
5	HQAM	12	7	22.23	22.40	22.37		
5	HQAM	12	13	22.19	22.29	22.25		
5	HQAM	25	0	22.14	22.33	22.21		
5	HQAM	25	12	22.25	22.38	22.29		
5	HQAM	25	12	22.25	22.38	22.29		
5	HQAM	25	25	22.15	22.32	22.28		
5	HQAM	50	0	21.47	21.27	21.50		
5	HQAM	25	0	21.34	21.42	21.28		
5	HQAM	1	0	21.31	21.54	21.47		
5	HQAM	1	12	21.77	21.47	21.63		
5	HQAM	1	24	21.18	21.46	21.74		
5	HQAM	12	0	20.84	20.38	20.56		
5	HQAM	12	7	20.51	20.60	20.56		
5	HQAM	12	13	20.65	20.61	20.64		
5	HQAM	25	0	20.67	20.48	20.50		

Band 19_Ant 41

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power Peak Ch. / Freq.	Time-up (min)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	0	22.73			24.4	0
15	QPSK	1	37	22.58				
15	QPSK	1	74	22.71				
15	QPSK	36	0	22.52				
15	QPSK	36	20	22.38				
15	QPSK	36	36	22.29				
15	QPSK	75	0	22.51				
15	HQAM	1	0	22.58				
15	HQAM	1	37	22.62				
15	HQAM	1	74	22.69				
15	HQAM	36	0	21.64				
15	HQAM	36	20	21.17				
15	HQAM	36	36	21.27				
15	HQAM	75	0	21.49				
15	HQAM	1	0	21.46				
15	HQAM	1	37	21.36				
15	HQAM	1	74	20.90				
15	HQAM	36	0	20.36				
15	HQAM	36	20	20.23				
15	HQAM	36	36	20.44				
15	HQAM	75	0	20.74				
Channel								
Frequency (MHz)								
10	QPSK	1	0	22.70	22.81	22.81	24.4	0
10	QPSK	1	25	22.52	22.84	22.86		
10	QPSK	1	49	22.60	22.74	22.83		
10	QPSK	25	0	22.17	22.13	22.17		
10	QPSK	25	12	22.25	22.11	22.28		
10	QPSK	25	25	22.21	22.21	22.14		
10	QPSK	50	0	22.18	22.29	22.16		
10	HQAM	1	0	22.33	22.62	22.50		
10	HQAM	1	25	22.08	22.67	22.16		
10	HQAM	1	49	22.10	22.66	22.14		
10	HQAM	25	0	21.07	21.00	21.14		
10	HQAM	25	12	21.00	21.22	21.17		
10	HQAM	25	25	21.22	21.28	21.20		
10	HQAM	50	0	21.29	21.18	21.20		
10	HQAM	1	0	21.08	21.49	21.44		
10	HQAM	1	25	21.34	21.52	21.15		
10	HQAM	1	49	21.17	20.96	21.05		
10	HQAM	25	0	20.31	20.42	20.24		
10	HQAM	25	12	20.44	20.33	20.41		
10	HQAM	25	25	20.46	20.26	20.29		
10	HQAM	50	0	20.51	20.31	20.34		
Channel								
Frequency (MHz)								
5	QPSK	1	0	22.64	22.83	22.75	24.4	0
5	QPSK	1	14	22.69	22.85	22.83		
5	QPSK	12	0	22.65	22.14	22.05		
5	QPSK	12	7	22.15	22.11	22.15		
5	QPSK	12	13	22.27	22.31	22.20		
5	QPSK	25	0	22.12	22.28	22.10		
5	HQAM	1	0	22.26	22.66	22.52		
5	HQAM	1	12	22.29	22.69	22.50		
5	HQAM	1	24	22.27	22.68	22.66		
5	HQAM	12	0	21.15	21.10	21.12		
5	HQAM	12	7	21.11	21.22	21.28		
5	HQAM	12	13	21.12	21.17	21.19		
5	HQAM	25	0	21.17	21.23	21.08		
5	HQAM	1	0	21.16	21.43	21.54		
5	HQAM	1	12	21.63	21.33	21.38		
5	HQAM	1	24	21.21	20.88	21.06		
5	HQAM	12	0	20.27	20.36	20.20		
5	HQAM	12	7	20.54	20.43	20.31		
5	HQAM	12	13	20.48	20.48	20.29		
5	HQAM	25	0	20.53	20.41	20.36		

Band 26_Ant11

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power Peak Ch. / Freq.	Time-up (min)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	0	22.30	22.30	22.43	24	0
15	QPSK	1	37	22.43	22.75	22.58		
15	QPSK	1	74	22.51	22.70	22.61		
15	QPSK	36	0	22.47	22.53	22.63		
15	QPSK	36	20	22.45	22.52	22.51		
15	QPSK	36	36	22.46	22.52	22.43		
15	QPSK	75	0	22.47	22.53	22.63		
15	HQAM	1	0	22.42	22.74	22.51		
15	HQAM	1	37	22.43	22.69	22.56		
15	HQAM	1	74	22.54	22.65	22.57		
15	HQAM	36	0	21.64	21.54	21.49		
15	HQAM	36	20	21.55	21.49	21.53		
15	HQAM	36	36	21.45	21.54	21.41		
15	HQAM	75	0	21.46	21.56	21.46		
15	HQAM	1	0	21.39	21.38	21.49		
15	HQAM	1	37					



Band 66_Ant14										
BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch. 1 / Freq.	Power Level Ch. 2 / Freq.	Power Level Ch. 3 / Freq.	Turn-up (dB)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	18.04	18.27	18.12	20.5	0		
20	QPSK	1	48	18.25	18.40	18.31				
20	QPSK	1	96	18.59	18.17	18.15				
20	QPSK	55	0	18.12	18.18	18.08	20.5	0		
20	QPSK	50	24	18.03	18.05	18.17				
20	QPSK	50	50	18.85	18.85	18.06				
20	QPSK	100	0	18.04	18.04	18.08	20.5	0		
20	HQAM	1	0	18.04	18.18	18.14				
20	HQAM	1	48	18.04	18.04	18.92	20.5	0		
20	HQAM	1	96	18.06	18.06	18.07				
20	HQAM	50	0	18.02	18.14	18.14				
20	HQAM	50	24	18.04	18.01	18.06	20.5	0		
20	HQAM	50	50	18.89	18.14	18.87				
20	HQAM	100	0	18.07	18.16	18.20				
20	HQAM	1	0	18.02	18.06	18.05				
20	HQAM	1	48	18.07	18.22	18.08	20.5	0		
20	HQAM	1	96	18.08	18.14	18.15				
20	HQAM	50	0	18.02	18.03	18.03				
20	HQAM	50	24	18.05	18.05	18.08	20.5	0		
20	HQAM	50	50	18.04	18.26	18.10				
20	HQAM	100	0	18.04	18.06	18.05				
Channel										
Frequency (MHz)										
15	QPSK	1	0	18.07	18.20	18.01	20.5	0		
15	QPSK	1	37	18.10	18.01	18.21				
15	QPSK	1	74	18.06	18.18	18.08				
15	QPSK	36	0	18.08	18.08	18.83				
15	QPSK	36	20	18.06	18.18	18.02	20.5	0		
15	QPSK	36	20	18.10	18.04	18.03				
15	QPSK	75	0	18.10	18.05	18.87				
15	HQAM	1	0	18.07	18.18	18.06				
15	HQAM	1	37	18.10	18.06	18.89	20.5	0		
15	HQAM	1	74	18.03	18.01	18.08				
15	HQAM	36	0	18.04	18.22	18.01				
15	HQAM	36	20	18.04	18.05	18.81	20.5	0		
15	HQAM	36	20	18.01	18.06	18.81				
15	HQAM	75	0	18.00	18.08	18.89				
15	HQAM	1	0	18.18	18.88	18.00	20.5	0		
15	HQAM	1	37	18.04	18.10	18.02				
15	HQAM	1	74	18.09	18.13	18.07				
15	HQAM	36	0	18.01	18.04	18.04				
15	HQAM	36	20	18.81	18.85	18.84	20.5	0		
15	HQAM	36	20	18.04	18.15	18.04				
15	HQAM	75	0	18.80	18.87	18.83				
Channel										
Frequency (MHz)										
10	QPSK	1	0	18.02	18.28	18.03	20.5	0		
10	QPSK	1	25	18.07	18.25	18.29				
10	QPSK	1	48	18.03	18.14	18.04				
10	QPSK	25	0	18.05	18.02	18.86	20.5	0		
10	QPSK	25	12	18.06	18.22	18.23				
10	QPSK	25	25	18.10	18.03	18.87				
10	QPSK	50	0	18.81	18.04	18.88				
10	HQAM	1	0	18.04	18.16	18.08	20.5	0		
10	HQAM	1	25	18.02	18.03	18.87				
10	HQAM	1	48	18.04	18.07	18.82				
10	HQAM	25	0	18.03	18.17	18.10	20.5	0		
10	HQAM	25	12	18.05	18.02	18.84				
10	HQAM	25	25	18.08	18.09	18.85				
10	HQAM	50	0	18.06	18.05	18.14				
10	HQAM	1	0	18.86	18.81	18.86	20.5	0		
10	HQAM	1	25	18.08	18.18	18.81				
10	HQAM	1	48	18.06	18.07	18.81				
10	HQAM	25	0	18.83	18.86	18.83	20.5	0		
10	HQAM	25	12	18.87	18.87	18.88				
10	HQAM	25	25	18.89	18.13	18.87				
10	HQAM	50	0	18.17	18.02	18.81				
Channel										
Frequency (MHz)										
5	QPSK	1	0	18.01	18.23	18.00	20.5	0		
5	QPSK	1	12	18.02	18.23	18.22				
5	QPSK	1	24	18.86	18.13	18.07				
5	QPSK	12	0	18.86	18.10	18.88	20.5	0		
5	QPSK	12	7	18.88	18.15	18.07				
5	QPSK	12	13	18.77	18.82	18.89				
5	QPSK	25	0	18.82	18.16	18.83	20.5	0		
5	HQAM	1	0	18.80	18.03	18.85				
5	HQAM	1	12	18.86	18.07	18.85	20.5	0		
5	HQAM	1	24	18.84	18.08	18.84				
5	HQAM	12	0	18.82	18.21	18.81				
5	HQAM	12	7	18.10	18.08	18.83	20.5	0		
5	HQAM	12	13	18.81	18.08	18.87				
5	HQAM	25	0	18.86	18.02	18.15				
5	HQAM	1	0	18.91	18.89	18.84	20.5	0		
5	HQAM	1	12	18.84	18.18	18.81				
5	HQAM	1	24	18.89	18.08	18.11				
5	HQAM	12	0	18.83	18.05	18.83	20.5	0		
5	HQAM	12	7	18.83	18.02	18.83				
5	HQAM	12	13	18.83	18.19	18.81				
5	HQAM	25	0	18.18	18.84	18.88	20.5	0		
Channel										
Frequency (MHz)										
3	QPSK	1	0	18.88	18.20	18.01	20.5	0		
3	QPSK	1	8	18.08	18.28	18.28				
3	QPSK	15	0	18.82	18.13	18.85				
3	QPSK	8	0	18.83	18.08	18.85				
3	QPSK	8	4	18.02	18.09	18.11	20.5	0		
3	QPSK	8	7	18.10	18.89	18.03				
3	QPSK	15	0	18.83	18.11	18.87				
3	HQAM	1	0	18.82	18.18	18.04	20.5	0		
3	HQAM	1	8	18.10	18.84	18.87				
3	HQAM	1	14	18.82	18.83	18.83				
3	HQAM	8	0	18.82	18.17	18.03				
3	HQAM	8	4	18.91	18.00	18.03	20.5	0		
3	HQAM	8	7	18.16	18.09	18.80				
3	HQAM	15	0	18.03	18.03	18.13				
3	HQAM	1	0	18.17	18.86	18.82	20.5	0		
3	HQAM	1	8	18.84	18.18	18.86				
3	HQAM	1	14	18.82	18.01	18.85				
3	HQAM	8	0	18.80	18.80	18.80	20.5	0		
3	HQAM	8	4	18.89	18.87	18.84				
3	HQAM	8	7	18.91	18.22	18.85				
3	HQAM	15	0	18.82	18.87	18.83				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	18.02	18.24	18.00	20.5	0		
1.4	QPSK	1	3	18.05	18.24	18.21				
1.4	QPSK	1	5	18.85	18.08	18.06				
1.4	QPSK	3	0	18.89	18.00	18.81	20.5	0		
1.4	QPSK	3	3	18.80	18.22	18.80				
1.4	QPSK	3	3	18.16	18.80	18.82				
1.4	QPSK	6	0	18.83	18.04	18.88	20.5	0		
1.4	HQAM	1	0	18.83	18.06	18.11				
1.4	HQAM	1	3	18.84	18.84	18.80				
1.4	HQAM	1	5	18.82	18.01	18.03	20.5	0		
1.4	HQAM	3	0	18.88	18.14	18.80				
1.4	HQAM	3	1	18.81	18.86	18.80				
1.4	HQAM	3	3	18.88	18.00	18.86	20.5	0		
1.4	HQAM	6	0	18.83	18.08	18.19				
1.4	HQAM	1	0	18.10	18.83	18.00	20.5	0		
1.4	HQAM	1	2	18.83	18.17	18.81				
1.4	HQAM	1	5	18.82	18.10	18.11	20.5	0		
1.4	HQAM	3	0	18.89	18.89	18.82				
1.4	HQAM	3	1	18.88	18.87	18.88				
1.4	HQAM	3	3	18.91	18.12	18.88	20.5	0		
1.4	HQAM	6	0	18.16	18.86	18.82				

Band 66_Ant31										
BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch. 1 / Freq.	Power Level Ch. 2 / Freq.	Power Level Ch. 3 / Freq.	Turn-up (dB)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	18.84	18.14	18.03	20	0		
20	QPSK	1	48	18.84	18.22	18.13				
20	QPSK	1	96	18.10	18.06	18.00				
20	QPSK	50	0	18.82	18.00	18.82	20	0		
20	QPSK	50	24	18.14	18.80	18.83				
20	QPSK	50	50	18.15	18.86	18.10				
20	QPSK	100	0	18.15	18.80	18.10	20	0		
20	HQAM	1	0	18.18	18.82	18.10				
20	HQAM	1	48	18.10	18.85	18.13	20	0		
20	HQAM	1	96	18.82	18.83	18.89				
20	HQAM	50	0	18.85	18.81	18.80				
20	HQAM	50	24	18.10	18.80	18.14	20	0		
20	HQAM	50	50	18.10	18.82	18.83				
20	HQAM	100	0	18.80	18.86	18.89				
20	HQAM	1	0	18.10	18.85	18.10	20	0		
20	HQAM	1	48	18.87	18.83	18.12				
20	HQAM	1	96	18.81	18.89	18.89				
20	HQAM	50	0	18.10	18.80	18.10	20	0		
20	HQAM	50	24	18.14	18.80	18.16				
20	HQAM	50	50	18.88	18.88	18.86				
20	HQAM	100	0	18.84	18.88	18.86				
Channel										
Frequency (MHz)										
15	QPSK									



Band 38_Ant31									
BW (MHz)	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	22.54	22.66	22.50	23.8	0	
20	QPSK	1	49	22.76	22.66	22.74			
20	QPSK	1	99	22.56	22.64	22.57			
20	QPSK	50	0	22.65	22.55	22.52	23.8	0	
20	QPSK	50	24	22.56	22.52	22.56			
20	QPSK	50	50	22.48	22.58	22.60			
20	QPSK	100	0	22.63	22.60	22.55	23.8	0	
20	16QAM	1	0	22.39	22.53	22.43			
20	16QAM	1	49	22.59	22.56	22.60			
20	16QAM	1	99	22.44	22.65	22.48	22.8	1	
20	16QAM	50	0	21.52	21.73	21.49			
20	16QAM	50	24	21.53	21.76	21.58			
20	16QAM	50	50	21.47	21.70	21.56	22.8	1	
20	16QAM	100	0	21.50	21.75	21.57			
20	64QAM	1	0	21.14	21.40	21.06			
20	64QAM	1	49	21.31	21.53	21.35	22.8	1	
20	64QAM	1	99	21.16	21.39	21.29			
20	64QAM	50	0	20.62	20.88	20.59			
20	64QAM	50	24	20.67	20.91	20.68	21.8	2	
20	64QAM	50	50	20.56	20.86	20.75			
20	64QAM	100	0	20.67	20.85	20.70			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2612.5			
15	QPSK	1	0	22.33	22.41	22.19	23.8	0	
15	QPSK	1	37	22.63	22.54	22.50			
15	QPSK	1	74	22.42	22.48	22.38			
15	QPSK	36	0	22.49	22.56	22.51	23.8	0	
15	QPSK	36	20	22.52	22.58	22.54			
15	QPSK	36	39	22.41	22.61	22.51			
15	QPSK	75	0	22.49	22.62	22.55	23.8	0	
15	16QAM	1	0	22.37	22.52	22.31			
15	16QAM	1	37	22.56	22.68	22.68			
15	16QAM	1	74	22.43	22.58	22.60	22.8	1	
15	16QAM	36	0	21.43	21.54	21.45			
15	16QAM	36	20	21.44	21.56	21.51			
15	16QAM	36	39	21.38	21.58	21.53	22.8	1	
15	16QAM	75	0	21.51	21.59	21.80			
15	64QAM	1	0	21.18	21.34	21.27			
15	64QAM	1	37	21.36	21.47	21.29	22.8	1	
15	64QAM	1	74	21.09	21.30	21.31			
15	64QAM	36	0	20.68	20.76	20.67			
15	64QAM	36	20	20.64	20.73	20.68	21.8	2	
15	64QAM	36	39	20.57	20.80	20.74			
15	64QAM	75	0	20.68	20.78	20.75			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	22.30	22.40	22.26	23.8	0	
10	QPSK	1	25	22.57	22.48	22.54			
10	QPSK	1	49	22.45	22.50	22.37			
10	QPSK	25	0	22.49	22.63	22.55	23.8	0	
10	QPSK	25	12	22.48	22.66	22.59			
10	QPSK	25	25	22.49	22.60	22.62			
10	QPSK	50	0	22.50	22.63	22.63	23.8	0	
10	16QAM	1	0	22.51	22.56	22.60			
10	16QAM	1	25	22.57	22.71	22.66			
10	16QAM	1	49	22.54	22.67	22.65	22.8	1	
10	16QAM	25	0	21.58	21.67	21.57			
10	16QAM	25	12	21.50	21.68	21.59			
10	16QAM	25	25	21.46	21.62	21.65	22.8	1	
10	16QAM	50	0	21.50	21.66	21.62			
10	64QAM	1	0	21.23	21.31	21.32			
10	64QAM	1	25	21.28	21.43	21.40	22.8	1	
10	64QAM	1	49	21.22	21.36	21.34			
10	64QAM	25	0	20.76	20.83	20.80			
10	64QAM	25	12	20.70	20.87	20.91	21.8	2	
10	64QAM	25	25	20.64	20.80	20.87			
10	64QAM	50	0	20.61	20.79	20.78			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	22.34	22.43	22.29	23.8	0	
5	QPSK	1	12	22.57	22.55	22.48			
5	QPSK	1	24	22.32	22.54	22.42			
5	QPSK	12	0	22.51	22.68	22.61	23.8	0	
5	QPSK	12	7	22.45	22.61	22.62			
5	QPSK	12	13	22.48	22.56	22.65			
5	QPSK	25	0	22.48	22.62	22.69	23.8	0	
5	16QAM	1	0	22.43	22.60	22.64			
5	16QAM	1	12	22.54	22.68	22.64			
5	16QAM	1	24	22.48	22.66	22.71	22.8	1	
5	16QAM	12	0	21.48	21.63	21.39			
5	16QAM	12	7	21.39	21.53	21.61			
5	16QAM	12	13	21.40	21.54	21.58	22.8	1	
5	16QAM	25	0	21.55	21.64	21.67			
5	64QAM	1	0	21.20	21.47	21.31			
5	64QAM	1	12	21.27	21.49	21.41	22.8	1	
5	64QAM	1	24	21.23	21.45	21.42			
5	64QAM	12	0	20.66	20.86	20.77			
5	64QAM	12	7	20.61	20.80	20.85	21.8	2	
5	64QAM	12	13	20.65	20.78	20.82			
5	64QAM	25	0	20.75	20.87	20.87			

Band 38_Ant14									
BW (MHz)	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	21.01	20.85	20.89	22.3	0	
20	QPSK	1	49	21.10	20.90	20.93			
20	QPSK	1	99	20.90	20.88	20.87			
20	QPSK	50	0	21.02	20.82	20.82	22.3	0	
20	QPSK	50	24	21.01	20.76	20.91			
20	QPSK	50	50	20.99	20.82	20.80			
20	QPSK	100	0	20.95	20.82	20.90	22.3	0	
20	16QAM	1	0	21.00	20.79	20.91			
20	16QAM	1	49	20.90	20.82	20.93			
20	16QAM	1	99	21.01	20.82	20.86	22.3	0	
20	16QAM	50	0	20.57	20.87	20.86			
20	16QAM	50	24	21.02	20.89	20.90			
20	16QAM	50	50	21.02	20.85	20.82	22.3	0	
20	16QAM	100	0	20.99	20.78	20.86			
20	64QAM	1	0	20.89	20.82	20.82			
20	64QAM	1	49	20.91	20.80	20.83	22.3	0	
20	64QAM	1	99	21.00	20.87	20.89			
20	64QAM	50	0	20.67	20.44	20.44			
20	64QAM	50	24	20.71	20.45	20.53	21.8	0.5	
20	64QAM	50	50	20.63	20.39	20.54			
20	64QAM	100	0	20.65	20.43	20.48			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2612.5			
15	QPSK	1	0	20.93	20.64	20.61	22.3	0	
15	QPSK	1	37	20.91	20.66	20.70			
15	QPSK	1	74	20.80	20.67	20.68			
15	QPSK	36	0	20.84	20.66	20.67	22.3	0	
15	QPSK	36	20	20.93	20.59	20.59			
15	QPSK	36	39	20.88	20.63	20.61			
15	QPSK	75	0	20.80	20.68	20.64	22.3	0	
15	16QAM	1	0	20.89	20.67	20.65			
15	16QAM	1	37	20.88	20.56	20.59			
15	16QAM	1	74	20.91	20.56	20.66	22.3	0	
15	16QAM	36	0	20.86	20.65	20.61			
15	16QAM	36	20	20.90	20.57	20.70			
15	16QAM	36	39	20.85	20.59	20.73	22.3	0	
15	16QAM	75	0	20.86	20.57	20.63			
15	64QAM	1	0	20.91	20.66	20.59			
15	64QAM	1	37	20.80	20.67	20.63	22.3	0	
15	64QAM	1	74	20.88	20.64	20.71			
15	64QAM	36	0	20.30	20.26	20.27			
15	64QAM	36	20	20.61	20.25	20.43	21.8	0.5	
15	64QAM	36	39	20.50	20.25	20.41			
15	64QAM	75	0	20.57	20.43	20.40			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	20.92	20.63	20.65	22.3	0	
10	QPSK	1	25	20.91	20.64	20.73			
10	QPSK	1	49	20.89	20.66	20.61			
10	QPSK	25	0	20.87	20.70	20.61	22.3	0	
10	QPSK	25	12	20.86	20.66	20.71			
10	QPSK	25	25	20.83	20.56	20.59			
10	QPSK	50	0	20.81	20.69	20.59	22.3	0	
10	16QAM	1	0	20.89	20.59	20.66			
10	16QAM	1	25	20.88	20.65	20.59			
10	16QAM	1	49	20.86	20.68	20.62	22.3	0	
10	16QAM	25	0	20.93	20.69	20.68			
10	16QAM	25	12	20.83	20.66	20.69			
10	16QAM	25	25	20.91	20.64	20.67	22.3	0	
10	16QAM	50	0	20.92	20.67	20.66			
10	64QAM	1	0	20.89	20.57	20.64			
10	64QAM	1	25	20.88	20.66	20.63	22.3	0	
10	64QAM	1	49	20.83	20.59	20.67			
10	64QAM	25	0	20.60	20.26	20.37			
10	64QAM	25	12	20.67	20.28	20.49	21.8	0.5	
10	64QAM	25	25	20.51	20.27	20.42			
10	64QAM	50	0	20.49	20.40	20.32			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	20.90	20.70	20.65	22.3	0	
5	QPSK	1	12	20.80</					



Band 41_Ant31

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)				39750	40185	40620	41055	41490		
20	QPSK	1	0	22.50	22.37	22.56	22.50	22.37	23.8	0
20	QPSK	1	49	22.58	22.59	22.71	22.62	22.63		
20	QPSK	1	99	22.47	22.39	22.65	22.47	22.51	23.8	0
20	QPSK	50	0	22.38	22.49	22.66	22.53	22.54		
20	QPSK	50	24	22.50	22.49	22.60	22.55	22.55	23.8	0
20	QPSK	50	50	22.53	22.45	22.53	22.58	22.55		
20	QPSK	100	0	22.42	22.46	22.60	22.56	22.51	23.8	0
20	16QAM	1	0	22.39	22.28	22.56	22.45	22.37		
20	16QAM	1	49	22.24	22.27	22.37	22.35	22.17	23.8	0
20	16QAM	1	99	22.40	22.33	22.60	22.42	22.46		
20	16QAM	50	0	21.62	21.53	21.62	21.52	21.52	22.8	1
20	16QAM	50	24	21.73	21.51	21.66	21.56	21.57		
20	16QAM	50	50	21.72	21.46	21.64	21.53	21.53	22.8	1
20	16QAM	100	0	21.64	21.49	21.60	21.59	21.52		
20	64QAM	1	0	21.30	21.06	21.16	21.14	21.12	22.8	1
20	64QAM	1	49	21.41	21.25	21.42	21.40	21.30		
20	64QAM	1	99	21.27	21.05	21.30	21.15	21.19	21.8	2
20	64QAM	50	0	20.54	20.66	20.78	20.68	20.66		
20	64QAM	50	24	20.61	20.66	20.83	20.72	20.73	21.8	2
20	64QAM	50	50	20.66	20.56	20.81	20.69	20.70		
20	64QAM	100	0	20.58	20.62	20.77	20.67	20.65		
Channel										
Frequency (MHz)				39725	40173	40620	41063	41515		
15	QPSK	1	0	22.24	22.29	22.35	22.27	22.17	23.80	0
15	QPSK	1	37	22.33	22.33	22.54	22.47	22.47		
15	QPSK	1	74	22.32	22.21	22.45	22.29	22.25	23.8	0
15	QPSK	36	0	22.39	22.39	22.56	22.49	22.41		
15	QPSK	36	20	22.44	22.47	22.58	22.51	22.42	23.8	0
15	QPSK	36	39	22.47	22.45	22.64	22.51	22.41		
15	QPSK	75	0	22.48	22.47	22.56	22.52	22.44	23.8	0
15	16QAM	1	0	22.45	22.36	22.47	22.46	22.36		
15	16QAM	1	37	22.35	22.63	22.67	22.58	22.57	23.8	0
15	16QAM	1	74	22.47	22.43	22.43	22.43	22.47		
15	16QAM	36	0	21.54	21.59	21.53	21.46	21.39	22.8	1
15	16QAM	36	20	21.64	21.60	21.58	21.43	21.39		
15	16QAM	36	39	21.71	21.64	21.61	21.47	21.38	22.8	1
15	16QAM	75	0	21.60	21.66	21.62	21.53	21.46		
15	64QAM	1	0	21.30	21.29	21.27	21.15	21.14	22.8	1
15	64QAM	1	37	21.46	21.43	21.37	21.31	21.37		
15	64QAM	1	74	21.32	21.39	21.29	21.23	21.13	21.8	2
15	64QAM	36	0	20.64	20.66	20.75	20.66	20.58		
15	64QAM	36	20	20.61	20.69	20.79	20.63	20.62	21.8	2
15	64QAM	36	39	20.68	20.67	20.77	20.66	20.58		
15	64QAM	75	0	20.55	20.53	20.78	20.67	20.61		
Channel										
Frequency (MHz)				39700	40160	40620	41080	41540		
10	QPSK	1	0	22.38	22.28	22.44	22.39	22.27	23.80	0
10	QPSK	1	25	22.42	22.32	22.53	22.46	22.40		
10	QPSK	1	49	22.32	22.17	22.42	22.35	22.36	23.8	0
10	QPSK	25	0	22.29	22.61	22.47	22.44	22.65		
10	QPSK	25	12	22.36	22.27	22.37	22.20	22.20	23.8	0
10	QPSK	25	25	22.30	22.16	22.36	22.31	22.30		
10	QPSK	50	0	22.36	22.27	22.42	22.29	22.27	23.8	0
10	16QAM	1	0	22.35	22.59	22.45	22.42	22.62		
10	16QAM	1	25	22.47	22.67	22.56	22.55	22.65	23.8	0
10	16QAM	1	49	22.28	22.29	22.34	22.31	22.23		
10	16QAM	25	0	21.57	21.67	21.47	21.53	21.68	22.8	1
10	16QAM	25	12	21.60	21.67	21.52	21.50	21.74		
10	16QAM	25	25	21.55	21.65	21.52	21.46	21.77	22.8	1
10	16QAM	50	0	21.59	21.61	21.48	21.50	21.75		
10	64QAM	1	0	21.33	21.30	21.25	21.16	21.46	22.8	1
10	64QAM	1	25	21.37	21.46	21.28	21.29	21.50		
10	64QAM	1	49	21.29	21.38	21.17	21.19	21.44	21.8	2
10	64QAM	25	0	20.52	20.80	20.66	20.68	20.92		
10	64QAM	25	12	20.60	20.80	20.68	20.77	20.94	21.8	2
10	64QAM	25	25	20.64	20.86	20.65	20.69	21.01		
10	64QAM	50	0	20.66	20.77	20.64	20.67	20.93		
Channel										
Frequency (MHz)				39675	40148	40620	41093	41565		
5	QPSK	1	0	22.29	22.22	22.38	22.29	22.28	23.80	0
5	QPSK	1	12	22.34	22.36	22.53	22.52	22.49		
5	QPSK	1	24	22.31	22.17	22.46	22.28	22.35	23.8	0
5	QPSK	12	0	22.33	22.55	22.40	22.42	22.41		
5	QPSK	12	7	22.34	22.57	22.39	22.39	22.41	23.8	0
5	QPSK	12	13	22.34	22.58	22.45	22.40	22.39		
5	QPSK	25	0	22.34	22.57	22.41	22.40	22.48	23.8	0
5	16QAM	1	0	22.38	22.58	22.39	22.41	22.41		
5	16QAM	1	12	22.44	22.68	22.43	22.54	22.44	23.8	0
5	16QAM	1	24	22.37	22.61	22.45	22.45	22.44		
5	16QAM	12	0	21.45	21.51	21.37	21.35	21.37	22.8	1
5	16QAM	12	7	21.44	21.52	21.33	21.34	21.35		
5	16QAM	12	13	21.48	21.46	21.34	21.31	21.29	22.8	1
5	16QAM	25	0	21.58	21.54	21.45	21.46	21.44		
5	64QAM	1	0	21.34	21.32	21.20	21.24	21.19	22.8	1
5	64QAM	1	12	21.31	21.29	21.15	21.25	21.20		
5	64QAM	1	24	21.34	21.36	21.19	21.22	21.22	21.8	2
5	64QAM	12	0	20.47	20.72	20.53	20.60	20.54		
5	64QAM	12	7	20.52	20.75	20.55	20.58	20.52	21.8	2
5	64QAM	12	13	20.46	20.72	20.54	20.53	20.54		
5	64QAM	25	0	20.58	20.74	20.61	20.62	20.59		

Band 41_Ant14

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)				39750	40185	40620	41055	41490		
20	QPSK	1	0	21.74	21.87	21.70	21.69	21.82	23.3	0
20	QPSK	1	49	21.78	21.88	21.90	21.96	21.85		
20	QPSK	1	99	21.67	21.89	21.80	21.76	21.80	23.3	0
20	QPSK	50	0	21.53	21.75	21.80	21.63	21.72		
20	QPSK	50	24	21.51	21.74	21.66	21.64	21.77	23.3	0
20	QPSK	50	50	21.62	21.77	21.65	21.51	21.79		
20	QPSK	100	0	21.64	21.70	21.75	21.62	21.67	23.3	0
20	16QAM	1	0	21.60	21.76	21.64	21.62	21.71		
20	16QAM	1	49	21.50	21.70	21.59	21.59	21.74	23.3	0
20	16QAM	1	99	21.55	21.79	21.66	21.54	21.66		
20	16QAM	50	0	21.41	21.44	21.34	21.31	21.47	22.8	0.5
20	16QAM	50	24	21.54	21.51	21.32	21.30	21.48		
20	16QAM	50	50	21.55	21.50	21.23	21.23	21.51	22.8	0.5
20	16QAM	100	0	21.48	21.45	21.28	21.28	21.49		
20	64QAM	1	0	21.11	21.04	21.09	21.05	21.05	22.8	0.5
20	64QAM	1	49	21.28	21.26	21.10	21.10	21.26		
20	64QAM	1	99	21.05	21.11	21.10	21.06	21.08	21.8	1.5
20	64QAM	50	0	20.31	20.60	20.47	20.47	20.66		
20	64QAM	50	24	20.41	20.67	20.46	20.44	20.64	21.8	1.5
20	64QAM	50	50	20.51	20.63	20.42	20.39	20.67		
20	64QAM	100	0	20.38	20.60	20.44	20.43	20.65		
Channel										
Frequency (MHz)				39725	40173	40620	41063	41515		
15	QPSK	1	0	21.58	21.68	21.54	21.58	21.67	23.30	0
15	QPSK									

DSI 7 Power

GSM1900_Ant14	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	512	661	810	30.50	20.85	20.85	20.72	21.50
Frequency (MHz)	1521.2	1521.2	1521.3	30.50	20.85	20.85	20.72	21.50
GSM 1 Tx slot	29.85	29.88	29.78	30.50	20.85	20.85	20.72	21.50
GPRS 1 Tx slot	29.80	29.85	29.72	30.50	20.80	20.85	20.72	21.50
GPRS 2 Tx slots	27.53	27.60	27.48	28.30	21.53	21.60	21.48	22.30
GPRS 3 Tx slots	25.35	25.40	25.39	26.00	21.09	21.14	21.13	21.74
GPRS 4 Tx slots	23.70	23.78	23.62	24.50	20.70	20.78	20.62	21.50
EDGE 1 Tx slot	25.28	25.35	25.18	26.50	18.28	18.35	18.18	17.50
EDGE 2 Tx slots	23.57	23.66	23.43	24.50	17.57	17.66	17.43	18.50
EDGE 3 Tx slots	21.84	21.82	21.85	22.70	17.58	17.56	17.39	18.44
EDGE 4 Tx slots	20.26	20.35	20.25	21.20	17.26	17.35	17.25	18.20

Band	WCDMA II_Ant14			Tune-up Limit (dBm)	WCDMA IV_Ant14			Tune-up Limit (dBm)
	9262	9400	9538		1512	1413	1513	
TX Channel	9262	9400	9538	22.00	22.00	22.00	22.00	22.50
Frequency (MHz)	9962	9800	9938	22.00	22.00	22.00	22.00	22.50
3GPP Rel 99	1521.2	1521.2	1521.3	22.00	22.00	22.00	22.00	22.50
3GPP Rel 99	AMC 12.2Kbps	22.44	22.50	22.48	24.00	24.25	24.30	24.22
3GPP Rel 99	RMG 12.2Kbps	22.48	22.55	22.50	24.00	24.28	24.33	24.30
3GPP Rel 6	HSDPA Subtest-1	21.52	21.57	21.51	23.00	23.22	23.28	23.17
3GPP Rel 6	HSDPA Subtest-2	21.46	21.56	21.46	23.00	23.16	23.28	23.28
3GPP Rel 6	HSDPA Subtest-3	21.00	21.08	20.99	22.50	22.88	22.80	22.85
3GPP Rel 6	HSDPA Subtest-4	21.03	21.05	20.94	22.50	22.72	22.76	22.72
3GPP Rel 6	DCHSDPA Subtest-1	21.33	21.52	21.32	23.00	23.09	23.26	23.04
3GPP Rel 6	DCHSDPA Subtest-2	21.38	21.40	21.38	23.00	23.01	23.23	23.11
3GPP Rel 6	DCHSDPA Subtest-3	20.97	20.94	20.96	22.50	22.85	22.71	22.82
3GPP Rel 6	DCHSDPA Subtest-4	21.02	20.87	20.93	22.50	22.81	22.74	22.81
3GPP Rel 6	HSUPA Subtest-1	20.48	20.62	20.47	22.00	21.23	21.24	21.24
3GPP Rel 6	HSUPA Subtest-2	20.53	20.61	20.50	22.00	21.08	21.22	21.16
3GPP Rel 6	HSUPA Subtest-3	21.83	21.65	21.80	23.00	22.21	22.29	22.24
3GPP Rel 6	HSUPA Subtest-4	20.03	20.20	20.06	21.50	20.73	20.83	20.74
3GPP Rel 6	HSUPA Subtest-5	21.58	21.60	21.47	23.00	22.20	22.20	22.03
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	21.13	21.15	21.20	22.00	21.45	21.50	21.80



Band 2_Ant14										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./F.Freq.	Power Ch./F.Freq.	Power Ch./F.Freq.	Time-up (min)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.07	22.07	21.99				
20	QPSK	1	49	22.14	22.20	22.07	23.5	0		
20	QPSK	1	99	21.99	21.91	22.02				
20	QPSK	1	149	21.91	21.85	21.99				
20	QPSK	50	24	21.11	21.08	21.05	22.5	1		
20	QPSK	50	50	21.13	21.03	20.99				
20	QPSK	50	75	21.08	21.03	21.00				
20	16QAM	1	0	21.28	21.25	21.17				
20	16QAM	1	49	21.17	21.20	21.24	23.5	1		
20	16QAM	1	99	21.13	21.11	21.16				
20	16QAM	50	0	20.92	20.92	20.92				
20	16QAM	50	24	20.10	20.04	20.02	21.5	2		
20	16QAM	50	50	20.09	19.98	19.98				
20	16QAM	100	0	20.07	19.99	19.98				
20	16QAM	100	0	20.10	20.19	20.08				
20	16QAM	1	49	20.20	20.14	20.08	21.5	2		
20	16QAM	1	99	20.05	19.97	20.00				
20	16QAM	50	0	19.92	19.97	19.96				
20	16QAM	50	24	19.13	19.02	19.01	20.5	3		
20	16QAM	50	50	19.05	18.98	18.94				
20	16QAM	100	0	18.93	18.96	18.92				
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.01	21.91	21.93				
15	QPSK	1	37	22.04	22.11	21.94	23.5	0		
15	QPSK	1	74	21.97	21.88	21.90				
15	QPSK	36	0	21.07	21.02	21.02	22.5	1		
15	QPSK	36	20	20.98	20.93	20.90				
15	QPSK	36	40	20.93	20.88	20.88				
15	QPSK	75	0	21.00	21.05	20.98				
15	16QAM	1	0	21.09	21.17	20.98				
15	16QAM	1	37	21.28	21.20	21.16	22.5	1		
15	16QAM	1	74	21.08	20.99	21.11				
15	16QAM	36	0	19.91	19.87	19.87				
15	16QAM	36	20	20.04	19.97	19.96	21.5	2		
15	16QAM	36	40	20.18	20.09	20.11				
15	16QAM	75	0	20.07	19.96	19.98				
15	16QAM	1	0	19.97	20.10	19.93	21.5	2		
15	16QAM	1	37	20.16	20.13	20.04				
15	16QAM	1	74	19.93	19.79	19.97				
15	16QAM	36	0	18.97	18.92	18.93				
15	16QAM	36	20	18.93	18.99	18.94	20.5	3		
15	16QAM	36	40	18.91	18.92	18.99				
15	16QAM	75	0	18.88	18.92	18.77				
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.02	22.00	22.00				
10	QPSK	1	49	22.03	22.19	21.96	23.5	0		
10	QPSK	1	99	21.99	21.77	21.96				
10	QPSK	25	0	21.09	21.03	21.04	22.5	1		
10	QPSK	25	25	21.09	21.01	20.95				
10	QPSK	50	0	21.02	20.97	20.94				
10	16QAM	1	0	21.11	21.11	21.04				
10	16QAM	1	49	21.09	21.09	21.00	22.5	1		
10	16QAM	1	99	21.07	21.00	21.06				
10	16QAM	50	0	20.97	20.89	21.00				
10	16QAM	50	24	20.09	20.02	20.00	21.5	2		
10	16QAM	50	50	19.91	19.82	19.80				
10	16QAM	100	0	19.91	19.85	19.82				
10	16QAM	100	0	19.94	19.88	19.82				
10	16QAM	1	49	20.03	19.93	20.07	21.5	2		
10	16QAM	1	99	20.06	20.14	20.01				
10	16QAM	36	0	19.93	19.87	19.87				
10	16QAM	36	20	19.87	19.93	19.91	20.5	3		
10	16QAM	36	40	19.99	19.90	19.90				
10	16QAM	75	0	19.97	19.83	19.98				
10	16QAM	100	0	18.99	18.90	18.88				
Channel										
Frequency (MHz)										
5	QPSK	1	0	21.88	21.92	21.80				
5	QPSK	1	12	22.03	22.09	21.96	23.5	0		
5	QPSK	1	24	21.86	21.79	21.95				
5	QPSK	12	0	21.01	20.93	20.95	22.5	1		
5	QPSK	12	13	21.07	20.88	20.93				
5	QPSK	25	0	21.09	21.00	21.00				
5	QPSK	25	13	21.21	21.15	21.10				
5	16QAM	1	0	21.16	21.18	21.22	22.5	1		
5	16QAM	1	24	20.99	21.03	21.02				
5	16QAM	1	49	21.06	20.92	21.00				
5	16QAM	12	7	20.01	19.85	19.93	21.5	2		
5	16QAM	12	13	20.01	19.84	19.90				
5	16QAM	25	0	19.99	19.92	19.91				
5	16QAM	25	13	20.11	20.13	19.97				
5	16QAM	1	12	20.10	20.13	20.05	21.5	2		
5	16QAM	1	24	19.87	19.96	19.91				
5	16QAM	12	0	19.93	19.89	19.89				
5	16QAM	12	7	19.07	18.93	18.98	20.5	3		
5	16QAM	12	13	18.99	18.90	18.88				
5	16QAM	25	0	18.96	18.83	18.85				
Channel										
Frequency (MHz)										
3	QPSK	1	0	22.07	21.94	21.99				
3	QPSK	1	8	22.00	22.17	21.93	23.5	0		
3	QPSK	1	16	21.93	21.85	21.92				
3	QPSK	8	0	21.03	20.99	20.96	22.5	1		
3	QPSK	8	4	21.08	21.04	21.02				
3	QPSK	15	0	21.01	20.98	20.97				
3	QPSK	15	8	21.01	21.01	20.93				
3	16QAM	1	0	21.22	21.09	21.11	22.5	1		
3	16QAM	1	8	21.24	21.10	21.11				
3	16QAM	1	16	21.08	20.99	21.01				
3	16QAM	8	0	20.05	19.99	20.01				
3	16QAM	8	4	19.91	19.85	19.83	21.5	2		
3	16QAM	15	0	19.99	19.88	19.86				
3	16QAM	15	8	19.90	19.90	19.81				
3	16QAM	1	0	20.00	20.10	19.96				
3	16QAM	1	8	20.19	20.02	20.07	21.5	2		
3	16QAM	1	16	19.97	19.86	19.91				
3	16QAM	8	0	18.98	18.90	18.94				
3	16QAM	8	4	19.09	18.94	19.01	20.5	3		
3	16QAM	8	7	18.96	18.84	18.85				
3	16QAM	15	0	18.99	18.83	18.90				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	22.03	22.07	21.96				
1.4	QPSK	1	5	21.91	21.78	22.00	23.5	0		
1.4	QPSK	3	0	21.84	21.89	21.79				
1.4	QPSK	3	5	21.81	21.81	21.86				
1.4	QPSK	3	3	21.88	21.76	21.72				
1.4	QPSK	6	0	20.96	20.98	20.88	22.5	1		
1.4	16QAM	1	0	21.17	21.17	21.06				
1.4	16QAM	1	3	21.06	21.09	21.02				
1.4	16QAM	1	5	20.95	21.02	20.96	22.5	1		
1.4	16QAM	3	0	20.78	20.77	20.74				
1.4	16QAM	3	5	20.71	20.83	20.80				
1.4	16QAM	3	3	20.74	20.73	20.63				
1.4	16QAM	6	0	19.97	19.83	19.88	21.5	2		
1.4	16QAM	6	3	19.91	20.10	19.87				
1.4	16QAM	15	0	19.99	19.90	19.87				
1.4	16QAM	15	3	19.98	19.98	20.00				
1.4	16QAM	1	0	19.87	19.78	19.83	21.5	2		
1.4	16QAM	3	0	19.88	19.84	19.88				
1.4	16QAM	3	5	19.88	19.70	19.90				
1.4	16QAM	6	0	18.98	18.84	18.87	20.5	3		

Band 4_Ant14										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./F.Freq.	Power Ch./F.Freq.	Power Ch./F.Freq.	Time-up (min)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK									



Band 38_Ant14									
BW [MHz]	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	23.39	23.16	23.19	24.8	0	
20	QPSK	1	49	23.61	23.38	23.46			
20	QPSK	1	99	23.45	23.23	23.34	23.8	1	
20	QPSK	50	0	22.53	22.28	22.33			
20	QPSK	50	24	22.48	22.29	22.36	23.8	1	
20	QPSK	50	50	22.47	22.23	22.40			
20	QPSK	100	0	22.47	22.27	22.34	23.8	1	
20	16QAM	1	0	22.37	22.15	22.21			
20	16QAM	1	49	22.57	22.33	22.45	23.8	1	
20	16QAM	1	99	22.42	22.21	22.32			
20	16QAM	50	0	21.51	21.28	21.30	22.8	2	
20	16QAM	50	24	21.54	21.31	21.36			
20	16QAM	50	50	21.46	21.24	21.40	22.8	2	
20	16QAM	100	0	21.47	21.28	21.35			
20	64QAM	1	0	21.20	21.15	21.22	22.8	2	
20	64QAM	1	49	21.33	21.10	21.15			
20	64QAM	1	99	21.15	21.11	21.20	21.8	3	
20	64QAM	50	0	20.67	20.44	20.44			
20	64QAM	50	24	20.71	20.45	20.53	21.8	3	
20	64QAM	50	50	20.63	20.39	20.54			
20	64QAM	100	0	20.65	20.43	20.48			
Channel				37855	38000	38150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2677.5	2695	2672.5			
15	QPSK	1	0	23.27	23.12	23.07	24.8	0	
15	QPSK	1	37	23.42	23.35	23.27			
15	QPSK	1	74	23.33	23.05	23.22	23.8	1	
15	QPSK	36	0	22.48	22.18	22.28			
15	QPSK	36	20	22.33	22.29	22.21	23.8	1	
15	QPSK	36	39	22.36	22.23	22.29			
15	QPSK	75	0	22.43	22.20	22.30	23.8	1	
15	16QAM	1	0	22.25	22.08	22.09			
15	16QAM	1	37	22.41	22.33	22.29	22.8	2	
15	16QAM	1	74	22.25	22.14	22.15			
15	16QAM	36	0	21.50	21.24	21.29	22.8	2	
15	16QAM	36	20	21.54	21.13	21.36			
15	16QAM	36	39	21.29	21.06	21.23	21.8	3	
15	16QAM	75	0	21.47	21.28	21.35			
15	64QAM	1	0	21.17	21.04	21.19	22.8	2	
15	64QAM	1	37	21.32	21.05	21.14			
15	64QAM	1	74	21.01	20.96	21.06	21.8	3	
15	64QAM	36	0	20.95	20.26	20.27			
15	64QAM	36	20	20.61	20.26	20.43	21.8	3	
15	64QAM	36	39	20.50	20.25	20.41			
15	64QAM	75	0	20.57	20.43	20.40			
Channel				37850	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2675	2695	2615			
10	QPSK	1	0	23.27	23.10	23.07	24.8	0	
10	QPSK	1	25	23.54	23.25	23.39			
10	QPSK	1	49	23.26	23.18	23.15	23.8	1	
10	QPSK	25	0	22.53	22.09	22.33			
10	QPSK	25	12	22.31	22.10	22.19	23.8	1	
10	QPSK	25	25	22.30	22.11	22.23			
10	QPSK	50	0	22.28	22.08	22.15	23.8	1	
10	16QAM	1	0	22.29	21.98	22.13			
10	16QAM	1	25	22.51	22.16	22.39	23.8	1	
10	16QAM	1	49	22.24	22.02	22.14			
10	16QAM	25	0	21.41	21.23	21.20	22.8	2	
10	16QAM	25	12	21.42	21.17	21.24			
10	16QAM	25	25	21.42	21.15	21.36	22.8	2	
10	16QAM	50	0	21.29	21.11	21.17			
10	64QAM	1	0	21.03	21.00	21.05	21.8	3	
10	64QAM	1	25	21.18	21.00	21.00			
10	64QAM	1	49	21.03	20.93	21.08	21.8	3	
10	64QAM	25	0	20.60	20.26	20.37			
10	64QAM	25	12	20.67	20.28	20.49	21.8	3	
10	64QAM	25	25	20.51	20.27	20.42			
10	64QAM	50	0	20.49	20.40	20.32			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	23.23	23.10	23.03	24.8	0	
5	QPSK	1	12	23.57	23.34	23.42			
5	QPSK	1	24	23.26	23.20	23.15	23.8	1	
5	QPSK	12	0	22.34	22.24	22.14			
5	QPSK	12	7	22.29	22.18	22.17	23.8	1	
5	QPSK	12	13	22.34	22.22	22.27			
5	QPSK	25	0	22.28	22.15	22.15	23.8	1	
5	16QAM	1	0	22.36	22.15	22.20			
5	16QAM	1	12	22.48	22.19	22.36	22.8	2	
5	16QAM	1	24	22.28	22.19	22.18			
5	16QAM	12	0	21.40	21.10	21.19	22.8	2	
5	16QAM	12	7	21.45	21.15	21.27			
5	16QAM	12	13	21.41	21.18	21.35	22.8	2	
5	16QAM	25	0	21.46	21.14	21.34			
5	64QAM	1	0	21.06	20.96	21.08	22.8	2	
5	64QAM	1	12	21.22	21.05	21.04			
5	64QAM	1	24	21.11	20.95	21.16	21.8	3	
5	64QAM	12	0	20.50	20.42	20.27			
5	64QAM	12	7	20.55	20.33	20.37	21.8	3	
5	64QAM	12	13	20.53	20.27	20.44			
5	64QAM	25	0	20.65	20.34	20.48			

Band 41_Ant14										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.15	23.35	23.20	23.15	23.30	24.8	0
20	QPSK	1	49	23.41	23.50	23.63	23.36	23.52		
20	QPSK	1	99	23.28	23.44	23.20	23.16	23.36	23.8	1
20	QPSK	50	0	22.24	22.40	22.55	22.31	22.48		
20	QPSK	50	24	22.35	22.45	22.32	22.28	22.47	23.8	1
20	QPSK	50	50	22.36	22.44	22.25	22.24	22.42		
20	QPSK	100	0	22.31	22.45	22.52	22.26	22.50	23.8	1
20	16QAM	1	0	22.19	22.33	22.16	22.14	22.28		
20	16QAM	1	49	22.40	22.53	22.37	22.37	22.54	23.8	1
20	16QAM	1	99	22.26	22.40	22.15	22.14	22.34		
20	16QAM	50	0	21.41	21.44	21.34	21.31	21.47	22.8	2
20	16QAM	50	24	21.54	21.51	21.32	21.30	21.46		
20	16QAM	50	50	21.55	21.50	21.23	21.23	21.51	22.8	2
20	16QAM	100	0	21.48	21.45	21.28	21.28	21.45		
20	64QAM	1	0	21.11	21.04	21.09	21.05	21.05	22.8	2
20	64QAM	1	49	21.28	21.26	21.10	21.10	21.26		
20	64QAM	1	99	21.05	21.11	21.10	21.06	21.08	21.8	3
20	64QAM	50	0	20.31	20.60	20.47	20.47	20.66		
20	64QAM	50	24	20.41	20.67	20.46	20.44	20.64	21.8	3
20	64QAM	50	50	20.51	20.63	20.42	20.39	20.67		
20	64QAM	100	0	20.38	20.60	20.44	20.43	20.65		
Channel				39725	40183	40620	41063	41513	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.3	2692.5		
15	QPSK	1	0	23.02	23.32	23.19	22.97	23.18	24.80	0
15	QPSK	1	37	23.30	23.40	23.44	23.27	23.39		
15	QPSK	1	74	23.10	23.30	23.02	23.07	23.33	23.8	1
15	QPSK	36	0	22.15	22.25	22.40	22.20	22.31		
15	QPSK	36	20	22.19	22.31	22.16	22.15	22.28	23.8	1
15	QPSK	36	39	22.34	22.31	22.23	22.24	22.32		
15	QPSK	75	0	22.31	22.40	22.52	22.11	22.50	23.8	1
15	16QAM	1	0	22.15	22.15	22.12	22.04	22.18		
15	16QAM	1	37	22.27	22.40	22.24	22.35	22.43	22.8	2
15	16QAM	1	74	22.26	22.35	22.15	22.00	22.16		
15	16QAM	36	0	21.36	21.26	21.29	21.26	21.43	22.8	2
15	16QAM	36	20	21.50	21.51	21.28	21.15	21.38		
15	16QAM	36	39	21.51	21.48	21.19	21.06	21.46	21.8	3
15	16QAM	75	0							



ENDC Power for WWAN_Full

Band 2_Ant14

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Ch./Freq., Power Pk./Ch./Freq., Power Pk./Freq., Time-avg. (dBm), MPR (dB). Contains data for OFDM and SC-FDM channels across various frequencies and bandwidths.

Band 2_Ant31

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Ch./Freq., Power Pk./Ch./Freq., Power Pk./Freq., Time-avg. (dBm), MPR (dB). Contains data for OFDM and SC-FDM channels across various frequencies and bandwidths.

Band 4_Ant14

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Ch./Freq., Power Pk./Ch./Freq., Power Pk./Freq., Time-avg. (dBm), MPR (dB). Contains data for OFDM and SC-FDM channels across various frequencies and bandwidths.

Band 4_Ant31

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Ch./Freq., Power Pk./Ch./Freq., Power Pk./Freq., Time-avg. (dBm), MPR (dB). Contains data for OFDM and SC-FDM channels across various frequencies and bandwidths.



MINISTRY OF NATIONAL DEFENSE

Band 5_Ant11									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch. 1 / Freq.	Power Ch. 2 / Freq.	Power Ch. 3 / Freq.	Power Ch. 4 / Freq.	Turn-up (dB)	MFR (dB)
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.37	23.52	23.52			
10	QPSK	1	25	23.51	23.52	23.49		24.8	0
10	QPSK	1	49	23.50	23.47	23.51			
10	QPSK	25	0	23.47	23.38	23.44			
10	QPSK	25	12	23.46	23.50	23.53		23.8	1
10	QPSK	25	25	23.41	23.52	23.49			
10	QPSK	50	0	23.51	23.50	23.53			
10	HQAM	1	0	22.78	22.84	22.71			
10	HQAM	1	25	22.72	22.72	22.66		23.8	1
10	HQAM	1	49	22.74	22.88	22.70			
10	HQAM	25	0	21.48	21.53	21.52			
10	HQAM	25	12	21.49	21.54	21.52		22.8	2
10	HQAM	25	25	21.44	21.58	21.55			
10	HQAM	50	0	21.43	21.51	21.53			
10	HQAM	1	0	21.33	21.46	21.31			
10	HQAM	1	25	21.36	21.78	21.78		22.8	2
10	HQAM	1	49	21.29	21.80	21.83			
10	HQAM	25	0	20.70	20.61	20.55			
10	HQAM	25	12	20.62	20.86	20.87		21.8	3
10	HQAM	25	25	20.61	20.71	20.68			
10	HQAM	50	0	20.63	20.71	20.64			
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.37	23.39	23.39			
5	QPSK	1	12	23.38	23.40	23.38		24.8	0
5	QPSK	1	24	23.38	23.35	23.35			
5	QPSK	12	0	23.34	23.41	23.41			
5	QPSK	12	12	23.36	23.38	23.38		23.8	1
5	QPSK	12	24	23.33	23.39	23.39			
5	QPSK	25	0	22.37	22.38	22.38			
5	QPSK	25	0	22.37	22.38	22.38			
5	HQAM	1	0	22.59	22.90	22.92		23.8	1
5	HQAM	1	12	22.59	22.90	22.92			
5	HQAM	1	24	22.41	22.23	22.80			
5	HQAM	12	0	21.27	21.38	21.50			
5	HQAM	12	12	21.48	21.80	21.71		22.8	2
5	HQAM	12	24	21.20	21.33	21.37			
5	HQAM	25	0	21.23	21.31	21.30			
5	HQAM	1	0	21.11	21.43	21.41		22.8	2
5	HQAM	1	12	21.12	21.43	21.41			
5	HQAM	1	24	21.38	21.58	21.58			
5	HQAM	12	0	20.45	20.64	20.79			
5	HQAM	12	12	20.43	20.50	20.58		21.8	3
5	HQAM	12	24	20.37	20.50	20.58			
5	HQAM	25	0	20.42	20.54	20.50			
Channel									
Frequency (MHz)									
3	QPSK	1	0	23.30	23.40	23.42			
3	QPSK	1	8	23.27	23.36	23.31		24.8	0
3	QPSK	1	14	23.26	23.34	23.38			
3	QPSK	8	0	23.32	23.36	23.45			
3	QPSK	8	4	23.29	23.42	23.41		23.8	1
3	QPSK	8	7	23.28	23.41	23.45			
3	QPSK	15	0	22.30	22.38	22.44			
3	HQAM	1	0	22.52	22.41	22.56		23.8	1
3	HQAM	1	14	22.63	22.84	22.42			
3	HQAM	8	0	21.38	21.30	21.51			
3	HQAM	8	4	21.40	21.47	21.48		22.8	2
3	HQAM	15	0	21.24	21.30	21.48			
3	HQAM	15	0	21.29	21.26	21.39			
3	HQAM	1	0	21.52	21.36	21.62		22.8	2
3	HQAM	1	8	21.31	21.62	21.63			
3	HQAM	1	14	21.29	21.61	21.27			
3	HQAM	8	0	20.44	20.44	20.56			
3	HQAM	8	4	20.45	20.57	20.59		21.8	3
3	HQAM	8	7	20.50	20.67	20.63			
3	HQAM	15	0	20.42	20.53	20.62			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	23.21	23.37	23.38			
1.4	QPSK	1	3	23.22	23.35	23.32		24.8	0
1.4	QPSK	1	5	23.26	23.32	23.31			
1.4	QPSK	3	0	23.48	23.50	23.27			
1.4	QPSK	3	1	23.39	23.31	23.33			
1.4	QPSK	3	3	23.39	23.00	23.24			
1.4	QPSK	6	0	23.28	23.22	23.24		23.8	1
1.4	HQAM	1	0	22.48	22.51	22.07			
1.4	HQAM	1	3	22.58	22.05	22.16		23.8	1
1.4	HQAM	1	5	22.67	22.53	22.45			
1.4	HQAM	3	0	22.31	22.30	22.26			
1.4	HQAM	3	1	22.31	22.16	22.33		23.8	1
1.4	HQAM	3	3	22.33	22.15	22.18			
1.4	HQAM	1	0	21.27	21.08	21.36		22.8	2
1.4	HQAM	1	0	21.51	21.39	21.45			
1.4	HQAM	1	3	21.48	21.60	21.15			
1.4	HQAM	1	5	21.57	21.18	21.18		22.8	2
1.4	HQAM	3	0	21.33	21.33	21.38			
1.4	HQAM	3	1	21.09	21.33	21.43			
1.4	HQAM	3	3	21.47	21.34	21.30		21.8	3
1.4	HQAM	6	0	20.38	20.33	20.33			

Band 5_Ant41									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch. 1 / Freq.	Power Ch. 2 / Freq.	Power Ch. 3 / Freq.	Power Ch. 4 / Freq.	Turn-up (dB)	MFR (dB)
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.46	23.65	23.54			
10	QPSK	1	25	23.57	23.65	23.58		24.8	0
10	QPSK	1	49	23.48	23.58	23.59			
10	QPSK	25	0	23.52	23.61	23.52			
10	QPSK	25	12	23.55	23.51	23.58		23.8	1
10	QPSK	25	25	23.49	23.52	23.57			
10	QPSK	50	0	23.55	23.53	23.57			
10	HQAM	1	0	22.34	22.28	22.81			
10	HQAM	1	25	22.48	22.46	22.6		23.8	1
10	HQAM	1	49	22.70	22.81	22.88			
10	HQAM	25	0	21.52	21.52	21.45			
10	HQAM	25	12	21.49	21.47	21.56		22.8	2
10	HQAM	25	25	21.48	21.58	21.55			
10	HQAM	50	0	21.54	21.59	21.53			
10	HQAM	1	0	21.37	21.68	21.82		22.8	2
10	HQAM	1	25	21.84	21.75	21.36			
10	HQAM	1	49	21.49	21.31	21.56			
10	HQAM	25	0	20.6	20.7	20.6			
10	HQAM	25	12	20.67	20.7	20.8		21.8	3
10	HQAM	25	25	20.68	20.79	20.71			
10	HQAM	50	0	20.61	20.7	20.71			
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.38	23.48	23.41			
5	QPSK	1	12	23.33	23.48	23.63		24.8	0
5	QPSK	1	24	23.50	23.48	23.45			
5	QPSK	12	0	22.33	22.30	22.51			
5	QPSK	12	12	22.34	22.34	22.48		23.8	1
5	QPSK	12	24	22.27	22.33	22.39			
5	QPSK	25	0	22.31	22.40	22.49			
5	HQAM	1	0	22.73	22.65	22.64			
5	HQAM	1	12	22.34	22.84	22.75		22.8	1
5	HQAM	1	24	22.44	22.38	22.84			
5	HQAM	12	0	21.31	21.40	21.52			
5	HQAM	12	12	21.62	21.68	21.50		22.8	2
5	HQAM	12	24	21.23	21.27	21.38			
5	HQAM	25	0	21.25	21.42	21.43			
5	HQAM	1	0	21.31	21.26	21.69		21.8	2
5	HQAM	1	12	21.62	21.68	21.50			
5	HQAM	1	24	21.34	21.64	21.46			
5	HQAM	12	0	20.47	20.61	20.73			
5	HQAM	12	12	20.44	20.64	20.54		21.8	3
5	HQAM	12	24	20.47	20.45	20.62			
5	HQAM	25	0	20.48	20.51	20.58			
Channel									
Frequency (MHz)									
3	QPSK	1	0	23.28	23.44	23.50			
3	QPSK	1	8	23.26	23.33	23.34		24.8	0
3	QPSK	1	14	23.32	23.38	23.41			
3	QPSK	8	0	23.34	23.31	23.48			
3	QPSK	8	4	23.32	23.34	23.43		23.8	1
3	QPSK	8	7	23.33	23.40	23.46			
3	QPSK	15	0	22.38	22.38	22.42			



Band 66_Ant14									
BM (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F/Freq.	Power High Ch. F/Freq.	Power Max	Turn-up time (sec)	MFR (dB)	
Channel									
Frequency (MHz)				13007	13022	13037			
20	QPSK	1	0	22.74	22.96	22.81			
20	QPSK	1	49	22.81	22.91	22.85	24	0	
20	QPSK	1	98	22.76	22.89	22.79			
20	QPSK	50	0	21.76	21.83	21.84			
20	QPSK	50	24	21.79	21.89	21.81			
20	QPSK	50	48	21.73	21.84	21.88	23	1	
20	QPSK	100	0	21.75	21.80	21.89			
20	HQAM	1	0	21.95	22.24	22.00			
20	HQAM	1	49	22.02	22.25	22.13	23	1	
20	HQAM	1	98	21.97	22.09	21.84			
20	HQAM	50	0	20.74	20.97	20.84			
20	HQAM	50	24	20.82	20.97	20.83	22	2	
20	HQAM	50	48	20.75	20.95	20.85			
20	HQAM	100	0	20.71	20.97	20.87			
20	HQAM	1	0	20.85	21.08	20.94			
20	HQAM	1	49	20.91	21.07	21.06	22	2	
20	HQAM	1	98	20.81	20.99	20.87			
20	HQAM	50	0	19.71	19.97	19.91			
20	HQAM	50	24	19.77	19.96	19.87	21	3	
20	HQAM	50	48	19.71	19.98	19.81			
20	HQAM	100	0	19.72	19.96	19.84			
Channel									
Frequency (MHz)				13047	13052	13067			
15	QPSK	1	0	22.88	22.91	22.89			
15	QPSK	1	37	22.74	22.95	22.85	24	0	
15	QPSK	1	74	22.67	22.78	22.76			
15	QPSK	36	0	21.71	21.89	21.89			
15	QPSK	36	36	21.62	21.81	21.87	23	1	
15	QPSK	36	72	21.62	21.80	21.73			
15	HQAM	75	0	21.64	22.00	21.78			
15	HQAM	1	0	21.68	21.98	21.81			
15	HQAM	1	37	21.60	21.99	22.11	23	1	
15	HQAM	1	74	21.88	21.88	21.90			
15	HQAM	36	0	20.67	20.97	20.77			
15	HQAM	36	36	20.68	20.94	20.82	22	2	
15	HQAM	36	72	20.72	20.79	20.82			
15	HQAM	75	0	20.80	20.91	20.78			
15	HQAM	1	0	20.88	20.92	20.77			
15	HQAM	1	37	20.78	21.07	20.81	22	2	
15	HQAM	1	74	20.79	20.79	20.85			
15	HQAM	36	0	19.54	19.79	19.74			
15	HQAM	36	36	19.62	19.85	19.71	21	3	
15	HQAM	36	72	19.62	19.75	19.72			
15	HQAM	75	0	19.67	19.85	19.79			
Channel									
Frequency (MHz)				13072	13077	13092			
10	QPSK	1	0	22.67	22.85	22.74			
10	QPSK	1	25	22.80	22.96	22.92	24	0	
10	QPSK	1	49	22.56	22.83	22.65			
10	QPSK	25	0	21.73	21.92	21.81			
10	QPSK	25	12	21.75	21.92	21.87	23	1	
10	QPSK	25	25	21.68	21.89	21.79			
10	HQAM	50	0	21.62	21.81	21.81			
10	HQAM	50	25	21.60	21.85	21.81	23	1	
10	HQAM	1	0	21.95	22.08	22.06			
10	HQAM	1	49	21.83	21.94	21.85	23	1	
10	HQAM	1	98	21.86	21.98	21.98			
10	HQAM	25	0	20.74	20.90	20.80	22	2	
10	HQAM	25	12	20.86	20.93	20.78			
10	HQAM	25	25	20.88	20.99	20.79			
10	HQAM	1	0	20.73	21.00	20.82			
10	HQAM	1	25	20.86	21.03	21.01	22	2	
10	HQAM	1	49	20.81	20.88	20.87			
10	HQAM	25	0	19.68	19.83	19.88			
10	HQAM	25	12	19.61	19.88	19.71	21	3	
10	HQAM	25	25	19.69	19.84	19.79			
10	HQAM	50	0	19.69	19.82	19.81			
Channel									
Frequency (MHz)				13102	13107	13122			
5	QPSK	1	0	22.71	22.83	22.78			
5	QPSK	1	12	22.68	22.94	22.78	24	0	
5	QPSK	1	24	22.67	22.78	22.78			
5	QPSK	12	0	21.74	21.95	21.82			
5	QPSK	12	7	21.75	21.91	21.87	23	1	
5	QPSK	12	14	21.73	21.78	21.88			
5	QPSK	25	0	21.73	21.98	21.87			
5	HQAM	1	0	21.88	22.11	21.93			
5	HQAM	1	12	21.86	22.07	22.07	23	1	
5	HQAM	1	24	21.86	21.90	21.97			
5	HQAM	12	0	20.73	20.96	20.93			
5	HQAM	12	7	20.78	20.88	20.89	22	2	
5	HQAM	12	14	20.68	20.96	20.88			
5	HQAM	25	0	20.65	20.92	20.81			
5	HQAM	1	0	20.69	20.92	20.78			
5	HQAM	1	12	20.69	21.00	21.04	22	2	
5	HQAM	1	24	20.78	20.86	20.78			
5	HQAM	12	0	19.58	19.90	19.76			
5	HQAM	12	7	19.71	19.88	19.81	21	3	
5	HQAM	12	14	19.62	19.86	19.72			
5	HQAM	25	0	19.58	19.91	19.79			
Channel									
Frequency (MHz)				13187	13202	13217			
3	QPSK	1	0	22.69	22.85	22.78			
3	QPSK	1	8	22.67	22.91	22.79	24	0	
3	QPSK	1	14	22.63	22.63	22.62			
3	QPSK	8	0	21.60	21.92	21.78			
3	QPSK	8	4	21.70	21.89	21.83	23	1	
3	QPSK	8	7	21.68	21.78	21.77			
3	QPSK	15	0	21.69	21.90	21.83			
3	HQAM	1	0	21.90	22.17	21.95			
3	HQAM	1	8	22.00	22.14	22.11	23	1	
3	HQAM	1	14	21.89	22.02	21.91			
3	HQAM	8	0	20.62	20.79	20.82	22	2	
3	HQAM	8	4	20.70	20.90	20.81			
3	HQAM	8	7	20.63	20.94	20.73			
3	HQAM	15	0	20.63	20.82	20.79			
3	HQAM	1	0	20.85	20.92	20.84			
3	HQAM	1	8	20.78	20.96	20.84	22	2	
3	HQAM	1	14	20.75	20.75	20.81			
3	HQAM	8	0	19.67	19.97	19.87			
3	HQAM	8	4	19.76	19.97	19.81	21	3	
3	HQAM	8	7	19.62	19.77	19.72			
3	HQAM	15	0	19.53	19.91	19.69			
Channel									
Frequency (MHz)				13197	13202	13217			
1.4	QPSK	1	0	22.71	22.88	22.78			
1.4	QPSK	1	3	22.69	23.00	22.81	24	0	
1.4	QPSK	1	5	22.58	22.70	22.65			
1.4	QPSK	3	0	21.72	21.96	21.80			
1.4	QPSK	3	1	22.78	22.93	22.90	23	1	
1.4	QPSK	3	3	22.73	22.86	22.84			
1.4	HQAM	6	0	21.99	22.19	21.73	23	1	
1.4	HQAM	1	0	21.92	22.25	21.97			
1.4	HQAM	1	3	21.98	22.08	22.09			
1.4	HQAM	1	5	21.92	22.03	21.94	23	1	
1.4	HQAM	3	0	21.90	21.94	21.79			
1.4	HQAM	3	1	21.75	21.92	21.80			
1.4	HQAM	3	3	21.73	21.90	21.83			
1.4	HQAM	6	0	20.54	20.92	20.70	22	2	
1.4	HQAM	1	0	20.67	20.96	20.78			
1.4	HQAM	1	3	20.78	21.02	20.93			
1.4	HQAM	1	5	20.71	20.81	20.72	22	2	
1.4	HQAM	3	0	19.54	19.87	19.74			
1.4	HQAM	3	1	20.68	20.99	20.76			
1.4	HQAM	3	3	20.58	20.87	20.88			
1.4	HQAM	6	0	19.53	19.81	19.62	21	3	

Band 66_Ant31									
BM (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F/Freq.	Power High Ch. F/Freq.	Power Max	Turn-up time (sec)	MFR (dB)	
Channel									
Frequency (MHz)				1740	1745	1770			
20	QPSK	1	0	23.08	23.26	23.11			
20	QPSK	1	49	23.15	23.25	23.19	24	0	
20	QPSK	1	98	23.07	23.25	23.12			
20	QPSK	50	0	22.11	22.42	22.25			
20	QPSK	50	24						



Band 38_Ant31									
BW [MHz]	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	23.44	23.57	23.38	24.8	0	
20	QPSK	1	49	23.70	23.85	23.61			
20	QPSK	1	99	23.52	23.63	23.53			
20	QPSK	50	0	22.65	22.55	22.52	23.8	1	
20	QPSK	50	24	22.58	22.52	22.56			
20	QPSK	50	50	22.48	22.58	22.60			
20	QPSK	100	0	22.63	22.60	22.55	23.8	1	
20	16QAM	1	0	22.39	22.53	22.43			
20	16QAM	1	49	22.59	22.87	22.60			
20	16QAM	1	99	22.44	22.65	22.48	22.8	2	
20	16QAM	50	0	21.52	21.73	21.49			
20	16QAM	50	24	21.53	21.76	21.58			
20	16QAM	50	50	21.47	21.70	21.58	22.8	2	
20	16QAM	100	0	21.50	21.75	21.57			
20	64QAM	1	0	21.14	21.40	21.06			
20	64QAM	1	49	21.31	21.53	21.35	22.8	2	
20	64QAM	1	99	21.16	21.39	21.29			
20	64QAM	50	0	20.62	20.88	20.59			
20	64QAM	50	24	20.67	20.91	20.68	21.8	3	
20	64QAM	50	50	20.56	20.86	20.75			
20	64QAM	100	0	20.67	20.85	20.70			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	23.46	23.60	23.50	24.8	0	
15	QPSK	1	37	23.59	23.66	23.62			
15	QPSK	1	74	23.41	23.64	23.59			
15	QPSK	36	0	22.49	22.56	22.51	23.8	1	
15	QPSK	36	20	22.52	22.58	22.54			
15	QPSK	36	39	22.41	22.61	22.51			
15	QPSK	75	0	22.49	22.62	22.55	23.8	1	
15	16QAM	1	0	22.37	22.52	22.51			
15	16QAM	1	37	22.58	22.68	22.68			
15	16QAM	1	74	22.43	22.58	22.60	22.8	2	
15	16QAM	36	0	21.43	21.54	21.45			
15	16QAM	36	20	21.44	21.56	21.51			
15	16QAM	36	39	21.38	21.58	21.53	22.8	2	
15	16QAM	75	0	21.51	21.59	21.80			
15	64QAM	1	0	21.18	21.34	21.27			
15	64QAM	1	37	21.36	21.47	21.29	22.8	2	
15	64QAM	1	74	21.09	21.30	21.31			
15	64QAM	36	0	20.68	20.76	20.67			
15	64QAM	36	20	20.64	20.73	20.68	21.8	3	
15	64QAM	36	39	20.57	20.80	20.74			
15	64QAM	75	0	20.68	20.78	20.75			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	23.55	23.57	23.55	24.8	0	
10	QPSK	1	25	23.55	23.63	23.67			
10	QPSK	1	49	23.51	23.67	23.67			
10	QPSK	25	0	22.49	22.63	22.55	23.8	1	
10	QPSK	25	12	22.48	22.66	22.59			
10	QPSK	25	25	22.49	22.60	22.62			
10	QPSK	50	0	22.50	22.63	22.63	23.8	1	
10	16QAM	1	0	22.51	22.56	22.60			
10	16QAM	1	25	22.57	22.71	22.66			
10	16QAM	1	49	22.54	22.67	22.65	22.8	2	
10	16QAM	25	0	21.58	21.67	21.57			
10	16QAM	25	12	21.50	21.68	21.59			
10	16QAM	25	25	21.46	21.62	21.65	22.8	2	
10	16QAM	50	0	21.50	21.66	21.62			
10	64QAM	1	0	21.23	21.31	21.32			
10	64QAM	1	25	21.28	21.43	21.40	22.8	2	
10	64QAM	1	49	21.22	21.36	21.34			
10	64QAM	25	0	20.78	20.83	20.80			
10	64QAM	25	12	20.70	20.87	20.91	21.8	3	
10	64QAM	25	25	20.64	20.80	20.87			
10	64QAM	50	0	20.61	20.79	20.78			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	23.49	23.67	23.61	24.8	0	
5	QPSK	1	12	23.57	23.58	23.64			
5	QPSK	1	24	23.52	23.69	23.66			
5	QPSK	12	0	22.51	22.68	22.61	23.8	1	
5	QPSK	12	7	22.45	22.61	22.62			
5	QPSK	12	13	22.48	22.56	22.65			
5	QPSK	25	0	22.48	22.62	22.69	23.8	1	
5	16QAM	1	0	22.43	22.60	22.64			
5	16QAM	1	12	22.54	22.68	22.64			
5	16QAM	1	24	22.48	22.66	22.71	22.8	2	
5	16QAM	12	0	21.48	21.63	21.59			
5	16QAM	12	7	21.39	21.53	21.61			
5	16QAM	12	13	21.40	21.54	21.58	22.8	2	
5	16QAM	25	0	21.55	21.64	21.67			
5	64QAM	1	0	21.20	21.47	21.31			
5	64QAM	1	12	21.27	21.49	21.41	22.8	2	
5	64QAM	1	24	21.23	21.45	21.42			
5	64QAM	12	0	20.66	20.86	20.77			
5	64QAM	12	7	20.61	20.80	20.85	21.8	3	
5	64QAM	12	13	20.65	20.78	20.82			
5	64QAM	25	0	20.75	20.87	20.87			

Band 38_Ant14									
BW [MHz]	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	23.39	23.16	23.19	24.8	0	
20	QPSK	1	49	23.61	23.38	23.46			
20	QPSK	1	99	23.45	23.25	23.34			
20	QPSK	50	0	22.53	22.28	22.33	23.8	1	
20	QPSK	50	24	22.48	22.29	22.38			
20	QPSK	50	50	22.47	22.23	22.40			
20	QPSK	100	0	22.47	22.27	22.34	23.8	1	
20	16QAM	1	0	22.37	22.15	22.21			
20	16QAM	1	49	22.57	22.33	22.45			
20	16QAM	1	99	22.42	22.21	22.32	22.8	2	
20	16QAM	50	0	21.51	21.28	21.30			
20	16QAM	50	24	21.54	21.31	21.36			
20	16QAM	50	50	21.46	21.24	21.40	22.8	2	
20	16QAM	100	0	21.47	21.28	21.35			
20	64QAM	1	0	21.20	21.15	21.22			
20	64QAM	1	49	21.33	21.10	21.15	22.8	2	
20	64QAM	1	99	21.15	21.11	21.20			
20	64QAM	50	0	20.67	20.44	20.44			
20	64QAM	50	24	20.71	20.45	20.53	21.8	3	
20	64QAM	50	50	20.63	20.39	20.54			
20	64QAM	100	0	20.65	20.43	20.48			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	23.27	23.12	23.07	24.8	0	
15	QPSK	1	37	23.42	23.35	23.27			
15	QPSK	1	74	23.33	23.05	23.22			
15	QPSK	36	0	22.48	22.18	22.28	23.8	1	
15	QPSK	36	20	22.33	22.29	22.21			
15	QPSK	36	39	22.36	22.23	22.29			
15	QPSK	75	0	22.43	22.20	22.30	23.8	1	
15	16QAM	1	0	22.25	22.08	22.09			
15	16QAM	1	37	22.41	22.33	22.29			
15	16QAM	1	74	22.25	22.14	22.15	22.8	2	
15	16QAM	36	0	21.50	21.24	21.29			
15	16QAM	36	20	21.54	21.13	21.36			
15	16QAM	36	39	21.29	21.08	21.23	22.8	2	
15	16QAM	75	0	21.47	21.28	21.35			
15	64QAM	1	0	21.17	21.04	21.19			
15	64QAM	1	37	21.32	21.05	21.14	22.8	2	
15	64QAM	1	74	21.01	20.96	21.06			
15	64QAM	36	0	20.50	20.26	20.27			
15	64QAM	36	20	20.61	20.26	20.43	21.8	3	
15	64QAM	36	39	20.50	20.25	20.41			
15	64QAM	75	0	20.57	20.43	20.40			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	23.27	23.10	23.07	24.8	0	
10	QPSK	1	25	23.54	23.25	23.39			
10	QPSK	1	49	23.26	23.18	23.15			
10	QPSK	25	0	22.53	22.09	22.33	23.8	1	
10	QPSK	25	12	22.31	22.10	22.19			
10	QPSK	25	25	22.30	22.11	22.23			
10	QPSK	50	0	22.28	22.08	22.15	23.8	1	
10	16QAM	1	0	22.29	21.98	22.13			
10	16QAM	1	25	22.51	22.16	22.39			
10	16QAM	1	49	22.24	22.02	22.14	22.8	2	
10	16QAM	25	0	21.41	21.23	21.20			
10	16QAM	25	12	21.42	21.17	21.24			
10	16QAM	25	25	21.42	21.15	21.36	22.8	2	
10	16QAM	50	0	21.29	21.11	21.17			
10	64QAM	1	0	21.03	21.00	21.05			
10	64QAM	1	25	21.18	21.00	21.00	22.8	2	
10	64QAM	1	49	21.03	20.93	21.08			
10	64QAM	25	0	20.60	20.26	20.37			
10	64QAM	25	12	20.67	20.28	20.49	21.8	3	
10	64QAM	25	25	20.51	20.27	20.42			
10	64QAM	50	0	20.49	20.40	20.32			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	23.23	23.10	23.03	24.8	0	
5	QPSK	1	12	23.67	23				



Band 41_Ant31

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)				39750	40185	40620	41055	41490		
20	QPSK	1	0	23.44	23.38	23.52	23.47	23.36	24.8	0
20	QPSK	1	49	23.50	23.44	23.71	23.62	23.60		
20	QPSK	1	99	23.39	23.35	23.60	23.45	23.45	23.8	1
20	QPSK	50	0	22.38	22.49	22.96	22.53	22.54		
20	QPSK	50	24	22.50	22.49	22.60	22.55	22.55	23.8	1
20	QPSK	50	50	22.53	22.45	22.53	22.58	22.55		
20	QPSK	100	0	22.42	22.46	22.60	22.56	22.51	23.8	1
20	16QAM	1	0	22.39	22.28	22.56	22.45	22.37		
20	16QAM	1	49	22.54	22.56	22.71	22.60	22.64	23.8	1
20	16QAM	1	99	22.40	22.33	22.60	22.42	22.46		
20	16QAM	50	0	21.62	21.53	21.62	21.52	21.52	22.8	2
20	16QAM	50	24	21.73	21.51	21.68	21.58	21.57		
20	16QAM	50	50	21.72	21.46	21.84	21.53	21.53	22.8	2
20	16QAM	100	0	21.64	21.49	21.60	21.59	21.52		
20	64QAM	1	0	21.30	21.06	21.16	21.14	21.12	22.8	2
20	64QAM	1	49	21.41	21.25	21.42	21.40	21.30		
20	64QAM	1	99	21.27	21.05	21.30	21.15	21.19	21.8	3
20	64QAM	50	0	20.54	20.66	20.78	20.68	20.66		
20	64QAM	50	24	20.61	20.66	20.83	20.72	20.73	21.8	3
20	64QAM	50	50	20.66	20.56	20.81	20.69	20.70		
20	64QAM	100	0	20.56	20.62	20.77	20.67	20.65		
Channel										
Frequency (MHz)				39775	40173	40620	41063	41515	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	23.43	23.46	23.48	23.47	23.43	24.80	0
15	QPSK	1	37	23.53	23.67	23.70	23.69	23.54		
15	QPSK	1	74	23.48	23.43	23.58	23.56	23.45	23.8	1
15	QPSK	36	0	22.39	22.39	22.56	22.49	22.41		
15	QPSK	36	20	22.44	22.47	22.58	22.51	22.42	23.8	1
15	QPSK	36	39	22.47	22.45	22.64	22.51	22.41		
15	QPSK	75	0	22.48	22.47	22.56	22.52	22.44	23.8	1
15	16QAM	1	0	22.45	22.36	22.47	22.46	22.36		
15	16QAM	1	37	22.55	22.53	22.67	22.58	22.57	23.8	1
15	16QAM	1	74	22.47	22.43	22.53	22.43	22.47		
15	16QAM	36	0	21.54	21.59	21.53	21.46	21.39	22.8	2
15	16QAM	36	20	21.64	21.60	21.58	21.43	21.39		
15	16QAM	36	39	21.71	21.64	21.61	21.47	21.38	22.8	2
15	16QAM	75	0	21.60	21.66	21.62	21.53	21.46		
15	64QAM	1	0	21.30	21.29	21.27	21.15	21.14	22.8	2
15	64QAM	1	37	21.46	21.43	21.37	21.31	21.37		
15	64QAM	1	74	21.32	21.39	21.29	21.23	21.13	21.8	3
15	64QAM	36	0	20.64	20.56	20.75	20.66	20.58		
15	64QAM	36	20	20.61	20.59	20.79	20.63	20.62	21.8	3
15	64QAM	36	39	20.68	20.67	20.77	20.66	20.58		
15	64QAM	75	0	20.55	20.53	20.78	20.67	20.61		
Channel										
Frequency (MHz)				39790	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	23.42	23.60	23.58	23.43	23.62	24.80	0
10	QPSK	1	25	23.47	23.66	23.55	23.56	23.69		
10	QPSK	1	49	23.40	23.68	23.58	23.50	23.67	23.8	1
10	QPSK	25	0	22.29	22.61	22.47	22.44	22.65		
10	QPSK	25	12	22.39	22.63	22.46	22.49	22.72	23.8	1
10	QPSK	25	25	22.41	22.71	22.45	22.45	22.71		
10	QPSK	50	0	22.45	22.63	22.47	22.51	22.71	23.8	1
10	16QAM	1	0	22.35	22.59	22.45	22.42	22.62		
10	16QAM	1	25	22.47	22.67	22.56	22.55	22.65	22.8	2
10	16QAM	1	49	22.38	22.61	22.50	22.53	22.73		
10	16QAM	25	0	21.57	21.67	21.47	21.53	21.68	22.8	2
10	16QAM	25	12	21.60	21.67	21.52	21.50	21.74		
10	16QAM	25	25	21.55	21.65	21.52	21.46	21.77	22.8	2
10	16QAM	50	0	21.59	21.61	21.48	21.50	21.75		
10	64QAM	1	0	21.33	21.30	21.25	21.18	21.46	22.8	2
10	64QAM	1	25	21.37	21.46	21.28	21.29	21.50		
10	64QAM	1	49	21.29	21.38	21.17	21.19	21.44	21.8	3
10	64QAM	25	0	20.52	20.80	20.66	20.68	20.92		
10	64QAM	25	12	20.60	20.80	20.68	20.77	20.94	21.8	3
10	64QAM	25	25	20.64	20.86	20.65	20.69	21.01		
10	64QAM	50	0	20.66	20.77	20.64	20.67	20.93		
Channel										
Frequency (MHz)				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	23.36	23.55	23.46	23.43	23.45	24.80	0
5	QPSK	1	12	23.41	23.63	23.57	23.51	23.53		
5	QPSK	1	24	23.36	23.65	23.52	23.47	23.49	23.8	1
5	QPSK	12	0	22.33	22.55	22.40	22.42	22.41		
5	QPSK	12	7	22.34	22.57	22.39	22.39	22.41	23.8	1
5	QPSK	12	13	22.34	22.58	22.45	22.40	22.39		
5	QPSK	25	0	22.34	22.57	22.41	22.40	22.48	23.8	1
5	16QAM	1	0	22.38	22.58	22.39	22.41	22.41		
5	16QAM	1	12	22.44	22.68	22.43	22.54	22.44	23.8	1
5	16QAM	1	24	22.37	22.61	22.45	22.45	22.44		
5	16QAM	12	0	21.45	21.51	21.37	21.35	21.37	22.8	2
5	16QAM	12	7	21.44	21.52	21.33	21.34	21.35		
5	16QAM	12	13	21.48	21.46	21.34	21.31	21.29	22.8	2
5	16QAM	25	0	21.58	21.54	21.45	21.46	21.44		
5	64QAM	1	0	21.34	21.32	21.20	21.24	21.19	22.8	2
5	64QAM	1	12	21.31	21.29	21.15	21.25	21.20		
5	64QAM	1	24	21.34	21.36	21.19	21.22	21.22	21.8	3
5	64QAM	12	0	20.47	20.72	20.53	20.60	20.54		
5	64QAM	12	7	20.52	20.75	20.55	20.58	20.52	21.8	3
5	64QAM	12	13	20.46	20.72	20.54	20.53	20.54		
5	64QAM	25	0	20.58	20.74	20.61	20.62	20.59		

Band 41_Ant14

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)				39750	40185	40620	41055	41490		
20	QPSK	1	0	23.15	23.35	23.20	23.15	23.30	24.8	0
20	QPSK	1	49	23.41	23.50	23.63	23.36	23.52		
20	QPSK	1	99	23.28	23.44	23.20	23.16	23.36	23.8	1
20	QPSK	50	0	22.24	22.40	22.55	22.31	22.48		
20	QPSK	50	24	22.35	22.45	22.32	22.28	22.47	23.8	1
20	QPSK	50	50	22.36	22.44	22.25	22.24	22.42		
20	QPSK	100	0	22.31	22.45	22.52	22.26	22.50	23.8	1
20	16QAM	1	0	22.19	22.33	22.16	22.14	22.28		
20	16QAM	1	49	22.40	22.53	22.37	22.37	22.54	23.8	1
20	16QAM	1	99	22.26	22.40	22.15	22.14	22.34		
20	16QAM	50	0	21.41	21.44	21.34	21.31	21.47	22.8	2
20	16QAM	50	24	21.54	21.51	21.32	21.30	21.48		
20	16QAM	50	50	21.55	21.50	21.23	21.23	21.51	22.8	2
20	16QAM	100	0	21.48	21.45	21.28	21.28	21.49		
20	64QAM	1	0	21.11	21.04	21.09	21.05	21.05	22.8	2
20	64QAM	1	49	21.28	21.26	21.10	21.10	21.26		
20	64QAM	1	99	21.05	21.11	21.10	21.06	21.08	21.8	3
20	64QAM	50	0	20.31	20.60	20.47	20.47	20.66		
20	64QAM	50	24	20.41	20.67	20.46	20.44	20.64	21.8	3
20	64QAM	50	50	20.51	20.63	20.42	20.39	20.67		
20	64QAM	100	0	20.38	20.60	20.44	20.43	20.65		
Channel										
Frequency (MHz)				39775	40173	40620	41063	41515	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	23.02	23.32	23.19	22.97	23.18	24.	



DSI 2 Power

Band 2_Ant14										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./Freq.	Power Ch./Freq.	Power Ch./Freq.	Turn-up (dB)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	18.17	18.24	18.22				
20	QPSK	1	48	18.24	18.31	18.29	17.5	0		
20	QPSK	1	96	18.30	18.37	18.35				
20	QPSK	50	0	18.16	18.21	18.12				
20	QPSK	50	24	18.18	18.23	18.12	17.5	0		
20	QPSK	50	50	18.19	18.24	18.21				
20	QPSK	100	0	18.15	18.28	18.16				
20	HQAM	1	0	18.25	18.31	18.22				
20	HQAM	1	48	18.30	18.32	18.23	17.5	0		
20	HQAM	1	96	18.29	18.22	18.16				
20	HQAM	50	0	18.16	18.20	18.16				
20	HQAM	50	24	18.18	18.25	18.21	17.5	0		
20	HQAM	50	50	18.19	18.31	18.18				
20	HQAM	100	0	18.24	18.30	18.29				
20	HQAM	1	0	18.22	18.31	18.18				
20	HQAM	1	48	18.24	18.32	18.23	17.5	0		
20	HQAM	1	96	18.12	18.23	18.18				
20	HQAM	50	0	18.20	18.24	18.21				
20	HQAM	50	24	18.24	18.35	18.34	17.5	0		
20	HQAM	50	50	18.19	18.34	18.28				
20	HQAM	100	0	18.27	18.30	18.28				
Channel										
Frequency (MHz)										
15	QPSK	1	0	18.12	18.17	18.13				
15	QPSK	1	24	18.17	18.22	18.18	17.5	0		
15	QPSK	1	48	18.20	18.25	18.20				
15	QPSK	36	0	18.02	18.10	18.00				
15	QPSK	36	20	18.13	18.21	18.08	17.5	0		
15	QPSK	36	40	18.15	18.23	18.12				
15	HQAM	1	0	18.23	18.23	18.19				
15	HQAM	1	24	18.28	18.28	18.24	17.5	0		
15	HQAM	1	48	18.25	18.21	18.20				
15	HQAM	36	0	18.15	18.28	18.13				
15	HQAM	36	20	18.05	18.15	18.12	17.5	0		
15	HQAM	36	40	18.20	18.24	18.21				
15	HQAM	75	0	18.12	18.20	18.14				
15	HQAM	1	0	18.28	18.28	18.25				
15	HQAM	1	24	18.16	18.22	18.21	17.5	0		
15	HQAM	1	48	18.17	18.21	18.18				
15	HQAM	36	0	18.17	18.31	18.13				
15	HQAM	36	20	18.10	18.20	18.20	17.5	0		
15	HQAM	36	40	18.23	18.23	18.23				
15	HQAM	75	0	18.07	18.21	18.25				
Channel										
Frequency (MHz)										
10	QPSK	1	0	18.00	18.00	18.00				
10	QPSK	1	25	18.14	18.26	18.16	17.5	0		
10	QPSK	1	49	18.01	18.03	18.08				
10	QPSK	25	0	18.02	18.20	18.05				
10	QPSK	25	25	18.09	18.19	18.12	17.5	0		
10	QPSK	50	0	18.08	18.16	18.10				
10	HQAM	1	0	18.11	18.28	18.12				
10	HQAM	1	25	18.20	18.21	18.12	17.5	0		
10	HQAM	1	49	18.07	18.17	18.13				
10	HQAM	25	0	18.22	18.27	18.21				
10	HQAM	25	25	18.07	18.29	18.07	17.5	0		
10	HQAM	50	0	18.17	18.22	18.25				
10	HQAM	1	0	18.28	18.28	18.27				
10	HQAM	1	25	18.15	18.24	18.19	17.5	0		
10	HQAM	1	49	18.07	18.12	18.12				
10	HQAM	25	0	18.20	18.19	18.07				
10	HQAM	25	25	18.28	18.19	18.21	17.5	0		
10	HQAM	50	0	18.14	18.25	18.24				
Channel										
Frequency (MHz)										
5	QPSK	1	0	18.00	18.01	18.08				
5	QPSK	1	12	18.10	18.31	18.27	17.5	0		
5	QPSK	1	24	18.00	18.04	18.08				
5	QPSK	12	0	18.07	18.17	18.09				
5	QPSK	12	7	18.14	18.08	18.04	17.5	0		
5	QPSK	12	13	18.08	18.12	18.08				
5	QPSK	25	0	18.00	18.20	18.06				
5	HQAM	1	0	18.17	18.29	18.09				
5	HQAM	1	12	18.18	18.27	18.16	17.5	0		
5	HQAM	1	24	18.00	18.14	18.14				
5	HQAM	12	0	18.11	18.21	18.10				
5	HQAM	12	7	18.10	18.14	18.17	17.5	0		
5	HQAM	12	13	18.11	18.28	18.15				
5	HQAM	25	0	18.24	18.24	18.23				
5	HQAM	1	0	18.14	18.23	18.08				
5	HQAM	1	12	18.18	18.29	18.11	17.5	0		
5	HQAM	1	24	18.07	18.08	18.15				
5	HQAM	12	0	18.15	18.29	18.18				
5	HQAM	12	7	18.21	18.20	18.25	17.5	0		
5	HQAM	12	13	18.10	18.19	18.13				
5	HQAM	25	0	18.12	18.22	18.18				
Channel										
Frequency (MHz)										
3	QPSK	1	0	18.03	18.21	18.19				
3	QPSK	1	8	18.08	18.24	18.19	17.5	0		
3	QPSK	8	0	18.08	18.18	18.09				
3	QPSK	8	4	18.04	18.10	18.05	17.5	0		
3	QPSK	8	7	18.11	18.23	18.14				
3	QPSK	15	0	18.09	18.21	18.05				
3	HQAM	1	0	18.19	18.27	18.11				
3	HQAM	1	8	18.24	18.18	18.09	17.5	0		
3	HQAM	8	0	18.22	18.15	18.10				
3	HQAM	8	4	18.13	18.20	18.11	17.5	0		
3	HQAM	8	7	18.20	18.23	18.06				
3	HQAM	15	0	18.14	18.22	18.16				
3	HQAM	1	0	18.18	18.17	18.13				
3	HQAM	1	8	18.19	18.25	18.15	17.5	0		
3	HQAM	8	0	18.21	18.21	18.00				
3	HQAM	8	4	18.17	18.19	18.09				
3	HQAM	8	7	18.09	18.20	18.28	17.5	0		
3	HQAM	15	0	18.12	18.20	18.15				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	18.22	18.22	18.22				
1.4	QPSK	1	8	18.22	18.22	18.22	17.5	0		
1.4	QPSK	1	5	18.22	18.21	18.21				
1.4	QPSK	3	0	18.25	18.25	18.24				
1.4	QPSK	3	3	18.20	18.20	18.27	17.5	0		
1.4	QPSK	3	3	18.26	18.20	18.20				
1.4	QPSK	8	0	18.20	18.20	18.24	17.5	0		
1.4	HQAM	1	0	18.24	18.24	18.24				
1.4	HQAM	1	8	18.24	18.24	18.24	17.5	0		
1.4	HQAM	1	5	18.24	18.24	18.24				
1.4	HQAM	3	0	18.21	18.21	18.17	17.5	0		
1.4	HQAM	3	3	18.21	18.21	18.21				
1.4	HQAM	3	3	18.24	18.24	18.24	17.5	0		
1.4	HQAM	8	0	18.20	18.20	18.28	17.5	0		
1.4	HQAM	1	0	18.20	18.20	18.26				
1.4	HQAM	1	8	18.20	18.20	18.26	17.5	0		
1.4	HQAM	1	5	18.21	18.21	18.21				
1.4	HQAM	3	0	18.20	18.20	18.20				
1.4	HQAM	3	3	18.27	18.21	18.21	17.5	0		
1.4	HQAM	3	3	18.27	18.27	18.27				
1.4	HQAM	8	0	18.23	18.28	18.28	17.5	0		

Band 2_Ant31										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./Freq.	Power Ch./Freq.	Power Ch./Freq.	Turn-up (dB)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.05	22.17	22.13				
20	QPSK	1	48	22.24	22.20	22.23	23.5	0		
20	QPSK	1	96	21.97	22.02	22.21				
20	QPSK	50	0	21.16	21.92	21.91				
20	QPSK	50	24	21.21	21.15	21.21	22.5	1		
20	QPSK	50	50	21.11	21.19	21.16				
20	QPSK	100	0	21.16	21.90	21.13				
20	HQAM	1	0	20.99	21.95	21.45				
20	HQAM	1	48	21.10	21.52	21.50	22.5	1		
20	HQAM	1	96	21.21	21.52	21.16				
20	HQAM	50	0	20.08	20.08	20.23				
20	HQAM	50	24	20.15	20.18	20.19	21.5	2		
20	HQAM	50	50	20.13	20.20	20.16				
20	HQAM	100	0	20.00	20.00	20.28				
20	HQAM	1	0	20.10	20.41	20.11				
20	HQAM	1	48	20.25	20.32	20.45	21.5	2		
20	HQAM	1	96	20.19	20.28	20.41				
20	HQAM	50	0	19.12	19.18	19.12				
20	HQAM	50	24	19.15	19.19	19.15	20.5	3		
20	HQAM	50	50	19.03	19.18	19.06				
20	HQAM	100	0	19.07	19.00	19.00				
Channel										
Frequency (MHz)										
15	QPSK	1	0	21.97	22.13	21.67				
15	QPSK	1	24	21.96	21.97	21.97	23.5	0		
15	QPSK	1	48	21.96	21.97	21.97				
15	QPSK	36	0	21.06	20.95	20.99				
15	QPSK	36	20	21.08	20.97	20.95	22.5	1		
15	QPSK	36	40	2						



Band 5_Ant11										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./F.Freq.	Power MCH/Ch./F.Freq.	Power 1999 Ch./F.Freq.	Power 2000 Ch./F.Freq.	Time-up int. (dBm)	MPR (dB)	
Channel										
Frequency (MHz)										
10	QPSK	1	0	21.37	21.45	21.34				
10	QPSK	1	25	21.48	21.56	21.45		22.8	0	
10	QPSK	1	50	21.46	21.47	21.41				
10	QPSK	25	0	21.44	21.47	21.37				
10	QPSK	25	12	21.47	21.52	21.46		22.8	0	
10	QPSK	25	25	21.31	21.44	21.36				
10	QPSK	25	0	21.39	21.46	21.37				
10	HQAM	1	0	21.39	21.54	21.48				
10	HQAM	1	25	21.49	21.54	21.46		22.8	0	
10	HQAM	1	50	21.48	21.58	21.52				
10	HQAM	25	0	21.48	21.58	21.45		22.8	0	
10	HQAM	25	12	21.38	21.48	21.38				
10	HQAM	25	25	21.48	21.58	21.58				
10	HQAM	25	0	21.48	21.56	21.47				
10	HQAM	1	0	21.43	21.55	21.47				
10	HQAM	1	25	21.38	21.45	21.31		22.8	0	
10	HQAM	1	50	21.55	21.57	21.52				
10	HQAM	25	0	20.70	20.81	20.70				
10	HQAM	25	12	20.82	20.86	20.87		21.8	1	
10	HQAM	25	25	20.51	20.71	20.81				
10	HQAM	25	0	20.70	20.81	20.84				
Channel										
Frequency (MHz)										
5	QPSK	1	0	20.67	20.67	20.67				
5	QPSK	1	12	21.42	21.42	21.42		22.8	0	
5	QPSK	1	24	21.40	21.39	21.39				
5	QPSK	12	0	21.38	21.41	21.35				
5	QPSK	12	7	21.42	21.48	21.32		22.8	0	
5	QPSK	12	14	21.37	21.45	21.32				
5	QPSK	25	0	21.37	21.45	21.23				
5	HQAM	1	0	21.31	21.44	21.37				
5	HQAM	1	12	21.42	21.49	21.49		22.8	0	
5	HQAM	1	24	21.41	21.47	21.49				
5	HQAM	12	0	21.34	21.48	21.33				
5	HQAM	12	7	21.31	21.42	21.23		22.8	0	
5	HQAM	12	14	21.48	21.54	21.54				
5	HQAM	25	0	21.43	21.47	21.43				
5	HQAM	1	0	21.38	21.49	21.34		22.8	0	
5	HQAM	1	12	21.27	21.36	21.24				
5	HQAM	1	24	21.41	21.44	21.41				
5	HQAM	12	0	20.45	20.54	20.79				
5	HQAM	12	7	20.53	20.55	20.53		21.8	1	
5	HQAM	12	14	20.50	20.56	20.50				
5	HQAM	25	0	20.42	20.54	20.50				
Channel										
Frequency (MHz)										
3	QPSK	1	0	20.45	20.52	20.63				
3	QPSK	1	8	21.38	21.52	21.33		22.8	0	
3	QPSK	1	14	21.44	21.46	21.26				
3	QPSK	8	0	21.32	21.35	21.29				
3	QPSK	8	14	21.39	21.41	21.45		22.8	0	
3	QPSK	8	7	21.18	21.40	21.21				
3	QPSK	15	0	21.28	21.38	21.35				
3	HQAM	1	0	21.28	21.48	21.42		22.8	0	
3	HQAM	1	13	21.43	21.51	21.57				
3	HQAM	1	14	21.47	21.49	21.43				
3	HQAM	8	0	21.41	21.48	21.37		22.8	0	
3	HQAM	8	4	21.32	21.42	21.34				
3	HQAM	8	7	21.37	21.56	21.55				
3	HQAM	15	0	21.44	21.53	21.42				
3	HQAM	1	0	21.36	21.48	21.39		22.8	0	
3	HQAM	1	13	21.29	21.52	21.52				
3	HQAM	1	14	21.43	21.55	21.45				
3	HQAM	8	0	20.44	20.44	20.56				
3	HQAM	8	4	20.45	20.57	20.59		21.8	1	
3	HQAM	8	7	20.52	20.57	20.83				
3	HQAM	15	0	20.42	20.53	20.83				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	21.30	21.39	21.27				
1.4	QPSK	1	3	21.34	21.53	21.43		22.8	0	
1.4	QPSK	1	5	21.32	21.44	21.31				
1.4	QPSK	3	0	21.27	21.39	21.27				
1.4	QPSK	3	1	21.45	21.48	21.44				
1.4	QPSK	3	3	21.34	21.32	21.34		22.8	0	
1.4	QPSK	3	3	21.41	21.37	21.26				
1.4	HQAM	1	0	21.38	21.47	21.40				
1.4	HQAM	1	3	21.39	21.31	21.25		22.8	0	
1.4	HQAM	1	5	21.31	21.34	21.35				
1.4	HQAM	3	0	21.29	21.43	21.36				
1.4	HQAM	3	1	21.48	21.53	21.39		22.8	0	
1.4	HQAM	3	1	21.42	21.51	21.39				
1.4	HQAM	3	1	21.40	21.47	21.48				
1.4	HQAM	1	0	21.53	21.42	21.37		22.8	0	
1.4	HQAM	1	3	21.42	21.45	21.53				
1.4	HQAM	1	5	21.44	21.43	21.36		22.8	0	
1.4	HQAM	3	0	21.33	21.48	21.40				
1.4	HQAM	3	1	21.28	21.34	21.27				
1.4	HQAM	3	3	21.42	21.47	21.48		21.8	1	

Band 5_Ant41										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./F.Freq.	Power MCH/Ch./F.Freq.	Power 2000 Ch./F.Freq.	Power 2001 Ch./F.Freq.	Time-up int. (dBm)	MPR (dB)	
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.45	22.65	22.54				
10	QPSK	1	25	22.57	22.67	22.56		24.8	0	
10	QPSK	1	49	22.48	22.58	22.59				
10	QPSK	25	0	22.52	22.61	22.52				
10	QPSK	25	12	22.5	22.51	22.38		23.8	1	
10	QPSK	25	25	22.49	22.55	22.57				
10	QPSK	25	0	22.52	22.58	22.57				
10	HQAM	1	0	22.84	22.88	22.81				
10	HQAM	1	25	22.88	22.88	22.8		23.8	1	
10	HQAM	1	49	22.79	22.81	22.86				
10	HQAM	25	0	21.50	21.52	21.45				
10	HQAM	25	12	21.48	21.47	21.56		22.8	0	
10	HQAM	25	25	21.48	21.58	21.55				
10	HQAM	25	0	21.54	21.58	21.50				
10	HQAM	1	0	21.37	21.48	21.82				
10	HQAM	1	25	21.64	21.75	21.36		22.8	0	
10	HQAM	1	49	21.49	21.8	21.56				
10	HQAM	25	0	21.62	20.7	20.8		21.8	3	
10	HQAM	25	12	20.87	20.7	20.8				
10	HQAM	25	25	20.83	20.79	20.71				
10	HQAM	25	0	20.81	20.7	20.71				
Channel										
Frequency (MHz)										
5	QPSK	1	0	20.35	20.55	20.52				
5	QPSK	1	12	21.33	21.45	21.45		24.8	0	
5	QPSK	1	24	21.30	21.48	21.45				
5	QPSK	12	0	21.33	21.39	21.31				
5	QPSK	12	7	21.27	21.38	21.45		23.8	1	
5	QPSK	12	14	21.32	21.42	21.49				
5	QPSK	25	0	20.31	20.49	20.52				
5	HQAM	1	0	20.73	20.55	20.32				
5	HQAM	1	12	20.92	20.86	20.72		23.8	1	
5	HQAM	1	24	20.94	20.96	20.84				
5	HQAM	12	0	21.31	21.40	21.32				
5	HQAM	12	7	21.19	21.31	21.33		22.8	2	
5	HQAM	12	14	21.48	21.54	21.54				
5	HQAM	25	0	21.25	21.45	21.43				
5	HQAM	1	0	21.31	21.38	21.89		22.8	2	
5	HQAM	1	12	21.88	21.86	21.50				
5	HQAM	1	24	21.34	21.84	21.84				
5	HQAM	12	0	20.47	20.47	20.75				
5	HQAM	12	7	20.48	20.54	20.54		21.8	3	
5	HQAM	12	14	20.49	20.45	20.52				
5	HQAM	25	0	20.48	20.51	20.58				
5	HQAM	25	0	20.33	20.47	20.83				



Band 66_Ant14										
BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch. / Freq.	Power Level Ch. / Freq.	Power Level Ch. / Freq.	Take-up (dB)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	16.30	16.40	16.54	17.5	0		
20	QPSK	1	49	16.43	16.55	16.51	17.5	0		
20	QPSK	1	99	16.50	16.46	16.27	17.5	0		
20	QPSK	50	0	16.49	16.59	16.88	17.5	0		
20	QPSK	50	24	16.52	16.56	16.46	17.5	0		
20	QPSK	50	50	16.44	16.57	16.44	17.5	0		
20	QPSK	100	0	16.41	16.50	16.41	17.5	0		
20	16QAM	1	0	16.42	16.56	16.40	17.5	0		
20	16QAM	1	49	16.52	16.50	16.57	17.5	0		
20	16QAM	1	99	16.41	16.49	16.35	17.5	0		
20	16QAM	50	0	16.40	16.49	16.58	17.5	0		
20	16QAM	50	24	16.43	16.58	16.48	17.5	0		
20	16QAM	50	50	16.33	16.53	16.46	17.5	0		
20	16QAM	100	0	16.42	16.49	16.44	17.5	0		
20	8QAM	1	0	16.31	16.48	16.41	17.5	0		
20	8QAM	1	49	16.42	16.55	16.47	17.5	0		
20	8QAM	1	99	16.20	16.59	16.27	17.5	0		
20	8QAM	50	0	16.46	16.59	16.52	17.5	0		
20	8QAM	50	24	16.51	16.58	16.45	17.5	0		
20	8QAM	50	50	16.44	16.57	16.48	17.5	0		
20	8QAM	100	0	16.44	16.58	16.20	17.5	0		
Channel										
Frequency (MHz)										
15	QPSK	1	0	16.21	16.42	16.23	17.5	0		
15	QPSK	1	37	16.24	16.59	16.41	17.5	0		
15	QPSK	1	74	16.20	16.27	16.21	17.5	0		
15	QPSK	36	0	16.38	16.50	16.32	17.5	0		
15	QPSK	36	20	16.48	16.45	16.31	17.5	0		
15	QPSK	36	36	16.35	16.40	16.35	17.5	0		
15	QPSK	75	0	16.35	16.38	16.30	17.5	0		
15	16QAM	1	0	16.31	16.37	16.22	17.5	0		
15	16QAM	1	37	16.25	16.59	16.29	17.5	0		
15	16QAM	1	74	16.27	16.20	16.33	17.5	0		
15	16QAM	36	0	16.38	16.40	16.38	17.5	0		
15	16QAM	36	20	16.36	16.40	16.31	17.5	0		
15	16QAM	36	36	16.34	16.35	16.32	17.5	0		
15	16QAM	75	0	16.27	16.31	16.38	17.5	0		
15	8QAM	1	0	16.25	16.28	16.33	17.5	0		
15	8QAM	1	37	16.25	16.47	16.38	17.5	0		
15	8QAM	1	74	16.27	16.20	16.33	17.5	0		
15	8QAM	36	0	16.36	16.39	16.36	17.5	0		
15	8QAM	36	20	16.34	16.49	16.26	17.5	0		
15	8QAM	36	36	16.33	16.43	16.26	17.5	0		
15	8QAM	75	0	16.36	16.51	16.20	17.5	0		
Channel										
Frequency (MHz)										
10	QPSK	1	0	16.25	16.39	16.29	17.5	0		
10	QPSK	1	25	16.32	16.42	16.38	17.5	0		
10	QPSK	1	49	16.14	16.59	16.17	17.5	0		
10	QPSK	25	0	16.34	16.44	16.42	17.5	0		
10	QPSK	25	12	16.37	16.40	16.37	17.5	0		
10	QPSK	25	25	16.27	16.41	16.36	17.5	0		
10	QPSK	50	0	16.29	16.40	16.31	17.5	0		
10	16QAM	1	0	16.26	16.39	16.29	17.5	0		
10	16QAM	1	25	16.36	16.36	16.41	17.5	0		
10	16QAM	1	49	16.33	16.43	16.39	17.5	0		
10	16QAM	25	0	16.39	16.45	16.39	17.5	0		
10	16QAM	25	12	16.31	16.42	16.30	17.5	0		
10	16QAM	25	25	16.13	16.38	16.40	17.5	0		
10	16QAM	50	0	16.37	16.40	16.25	17.5	0		
10	8QAM	1	0	16.36	16.39	16.31	17.5	0		
10	8QAM	1	25	16.23	16.47	16.31	17.5	0		
10	8QAM	1	49	16.06	16.25	16.09	17.5	0		
10	8QAM	25	0	16.35	16.35	16.45	17.5	0		
10	8QAM	25	12	16.40	16.40	16.29	17.5	0		
10	8QAM	25	25	16.25	16.44	16.38	17.5	0		
10	8QAM	50	0	16.27	16.42	16.33	17.5	0		
Channel										
Frequency (MHz)										
5	QPSK	1	0	16.30	16.41	16.28	17.5	0		
5	QPSK	1	12	16.27	16.50	16.33	17.5	0		
5	QPSK	1	24	16.12	16.40	16.33	17.5	0		
5	QPSK	12	0	16.42	16.44	16.41	17.5	0		
5	QPSK	12	7	16.41	16.35	16.33	17.5	0		
5	QPSK	12	13	16.29	16.32	16.33	17.5	0		
5	QPSK	25	0	16.25	16.46	16.28	17.5	0		
5	16QAM	1	0	16.29	16.37	16.29	17.5	0		
5	16QAM	1	12	16.44	16.31	16.48	17.5	0		
5	16QAM	1	24	16.35	16.29	16.38	17.5	0		
5	16QAM	12	0	16.43	16.43	16.41	17.5	0		
5	16QAM	12	7	16.31	16.51	16.36	17.5	0		
5	16QAM	12	13	16.20	16.34	16.34	17.5	0		
5	16QAM	25	0	16.25	16.44	16.28	17.5	0		
5	8QAM	1	0	16.20	16.37	16.22	17.5	0		
5	8QAM	1	12	16.25	16.49	16.41	17.5	0		
5	8QAM	1	24	16.05	16.39	16.34	17.5	0		
5	8QAM	12	0	16.25	16.38	16.43	17.5	0		
5	8QAM	12	7	16.35	16.41	16.25	17.5	0		
5	8QAM	12	13	16.37	16.41	16.33	17.5	0		
5	8QAM	25	0	16.24	16.39	16.20	17.5	0		
Channel										
Frequency (MHz)										
3	QPSK	1	0	16.32	16.36	16.26	17.5	0		
3	QPSK	1	8	16.28	16.40	16.43	17.5	0		
3	QPSK	15	0	16.14	16.31	16.09	17.5	0		
3	QPSK	8	0	16.29	16.38	16.34	17.5	0		
3	QPSK	8	4	16.32	16.47	16.29	17.5	0		
3	QPSK	8	7	16.36	16.37	16.28	17.5	0		
3	QPSK	15	0	16.28	16.38	16.22	17.5	0		
3	16QAM	1	0	16.26	16.39	16.32	17.5	0		
3	16QAM	1	8	16.44	16.39	16.42	17.5	0		
3	16QAM	1	16	16.31	16.35	16.28	17.5	0		
3	16QAM	8	0	16.33	16.40	16.37	17.5	0		
3	16QAM	8	4	16.34	16.49	16.31	17.5	0		
3	16QAM	8	7	16.30	16.39	16.39	17.5	0		
3	16QAM	15	0	16.25	16.33	16.29	17.5	0		
3	8QAM	1	0	16.24	16.42	16.28	17.5	0		
3	8QAM	1	8	16.31	16.36	16.25	17.5	0		
3	8QAM	1	16	16.05	16.29	16.33	17.5	0		
3	8QAM	8	0	16.28	16.40	16.37	17.5	0		
3	8QAM	8	4	16.37	16.39	16.33	17.5	0		
3	8QAM	8	7	16.26	16.46	16.30	17.5	0		
3	8QAM	15	0	16.25	16.44	16.31	17.5	0		
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	16.32	16.41	16.22	17.5	0		
1.4	QPSK	1	5	16.30	16.40	16.31	17.5	0		
1.4	QPSK	1	5	16.15	16.28	16.17	17.5	0		
1.4	QPSK	3	0	16.39	16.41	16.38	17.5	0		
1.4	QPSK	3	5	16.36	16.40	16.39	17.5	0		
1.4	QPSK	3	3	16.25	16.38	16.37	17.5	0		
1.4	QPSK	8	0	16.22	16.40	16.25	17.5	0		
1.4	16QAM	1	0	16.24	16.37	16.20	17.5	0		
1.4	16QAM	1	5	16.35	16.35	16.39	17.5	0		
1.4	16QAM	1	5	16.30	16.29	16.28	17.5	0		
1.4	16QAM	3	0	16.33	16.42	16.42	17.5	0		
1.4	16QAM	3	5	16.22	16.47	16.34	17.5	0		
1.4	16QAM	3	3	16.24	16.34	16.37	17.5	0		
1.4	16QAM	8	0	16.30	16.39	16.34	17.5	0		
1.4	8QAM	1	0	16.25	16.29	16.27	17.5	0		
1.4	8QAM	1	5	16.28	16.41	16.32	17.5	0		
1.4	8QAM	1	5	16.03	16.22	16.20	17.5	0		
1.4	8QAM	3	0	16.29	16.39	16.37	17.5	0		
1.4										



Band 38_Ant31									
BW [MHz]	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	23.44	23.57	23.38	24.8	0	
20	QPSK	1	49	23.70	23.85	23.61			
20	QPSK	1	99	23.52	23.63	23.53			
20	QPSK	50	0	22.65	22.55	22.52			
20	QPSK	50	24	22.58	22.52	22.56			
20	QPSK	50	50	22.48	22.58	22.60			
20	QPSK	100	0	22.63	22.60	22.55			
20	16QAM	1	0	22.39	22.53	22.43			
20	16QAM	1	49	22.59	22.87	22.60			
20	16QAM	1	99	22.44	22.65	22.48			
20	16QAM	50	0	21.52	21.73	21.49			
20	16QAM	50	24	21.53	21.76	21.58			
20	16QAM	50	50	21.47	21.70	21.58			
20	16QAM	100	0	21.50	21.75	21.57			
20	64QAM	1	0	21.14	21.40	21.06			
20	64QAM	1	49	21.31	21.53	21.35			
20	64QAM	1	99	21.16	21.39	21.29			
20	64QAM	50	0	20.62	20.88	20.59			
20	64QAM	50	24	20.67	20.91	20.68			
20	64QAM	50	50	20.56	20.86	20.75			
20	64QAM	100	0	20.67	20.85	20.70			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	23.46	23.60	23.50	24.8	0	
15	QPSK	1	37	23.59	23.66	23.62			
15	QPSK	1	74	23.41	23.64	23.59			
15	QPSK	36	0	22.49	22.56	22.51	23.8	1	
15	QPSK	36	20	22.52	22.58	22.54			
15	QPSK	36	39	22.41	22.61	22.51			
15	QPSK	75	0	22.49	22.62	22.55	23.8	1	
15	16QAM	1	0	22.37	22.52	22.51			
15	16QAM	1	37	22.58	22.68	22.68			
15	16QAM	1	74	22.43	22.58	22.60	22.8	2	
15	16QAM	36	0	21.43	21.54	21.45			
15	16QAM	36	20	21.44	21.56	21.51			
15	16QAM	36	39	21.38	21.58	21.53	22.8	2	
15	16QAM	75	0	21.51	21.59	21.80			
15	64QAM	1	0	21.18	21.34	21.27			
15	64QAM	1	37	21.36	21.47	21.29	22.8	2	
15	64QAM	1	74	21.09	21.30	21.31			
15	64QAM	36	0	20.68	20.76	20.67			
15	64QAM	36	20	20.64	20.73	20.68	21.8	3	
15	64QAM	36	39	20.57	20.80	20.74			
15	64QAM	75	0	20.68	20.78	20.75			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	23.55	23.57	23.55	24.8	0	
10	QPSK	1	25	23.55	23.63	23.67			
10	QPSK	1	49	23.51	23.67	23.67			
10	QPSK	25	0	22.49	22.63	22.55	23.8	1	
10	QPSK	25	12	22.48	22.66	22.59			
10	QPSK	25	25	22.49	22.60	22.62			
10	QPSK	50	0	22.50	22.63	22.63	23.8	1	
10	16QAM	1	0	22.51	22.56	22.60			
10	16QAM	1	25	22.57	22.71	22.66			
10	16QAM	1	49	22.54	22.67	22.65	22.8	2	
10	16QAM	25	0	21.58	21.67	21.57			
10	16QAM	25	12	21.50	21.68	21.59			
10	16QAM	25	25	21.46	21.62	21.65	22.8	2	
10	16QAM	50	0	21.50	21.66	21.62			
10	64QAM	1	0	21.23	21.31	21.32			
10	64QAM	1	25	21.28	21.43	21.40	22.8	2	
10	64QAM	1	49	21.22	21.36	21.34			
10	64QAM	25	0	20.76	20.83	20.80			
10	64QAM	25	12	20.70	20.87	20.91	21.8	3	
10	64QAM	25	25	20.64	20.80	20.87			
10	64QAM	50	0	20.61	20.79	20.78			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	23.49	23.67	23.61	24.8	0	
5	QPSK	1	12	23.57	23.58	23.64			
5	QPSK	1	24	23.52	23.69	23.66			
5	QPSK	12	0	22.51	22.68	22.61	23.8	1	
5	QPSK	12	7	22.45	22.61	22.62			
5	QPSK	12	13	22.48	22.56	22.65			
5	QPSK	25	0	22.48	22.62	22.69	23.8	1	
5	16QAM	1	0	22.43	22.60	22.64			
5	16QAM	1	12	22.54	22.68	22.64			
5	16QAM	1	24	22.48	22.66	22.71	22.8	2	
5	16QAM	12	0	21.48	21.63	21.59			
5	16QAM	12	7	21.39	21.53	21.61			
5	16QAM	12	13	21.40	21.54	21.58	22.8	2	
5	16QAM	25	0	21.55	21.64	21.67			
5	64QAM	1	0	21.20	21.47	21.31			
5	64QAM	1	12	21.27	21.49	21.41	22.8	2	
5	64QAM	1	24	21.23	21.45	21.42			
5	64QAM	12	0	20.66	20.86	20.77			
5	64QAM	12	7	20.61	20.80	20.85	21.8	3	
5	64QAM	12	13	20.65	20.78	20.82			
5	64QAM	25	0	20.75	20.87	20.87			

Band 38_Ant14									
BW [MHz]	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	15.96	15.96	15.80	17.3	0	
20	QPSK	1	49	16.05	15.93	15.98			
20	QPSK	1	99	15.91	15.79	15.76			
20	QPSK	50	0	16.00	15.85	15.86			
20	QPSK	50	24	15.98	15.92	15.83			
20	QPSK	50	50	15.91	15.85	15.72			
20	QPSK	100	0	15.96	15.82	15.90			
20	16QAM	1	0	16.02	15.93	15.90			
20	16QAM	1	49	16.03	15.97	15.91			
20	16QAM	1	99	16.00	15.84	15.88			
20	16QAM	50	0	16.01	15.82	15.86			
20	16QAM	50	24	16.02	15.83	15.94			
20	16QAM	50	50	15.96	15.89	15.77			
20	16QAM	100	0	16.03	15.92	15.94			
20	64QAM	1	0	15.92	15.84	15.82			
20	64QAM	1	49	16.02	15.92	15.86			
20	64QAM	1	99	15.90	15.72	15.78			
20	64QAM	50	0	16.01	15.88	15.91			
20	64QAM	50	24	16.00	15.88	15.85			
20	64QAM	50	50	15.95	15.77	15.79			
20	64QAM	100	0	15.98	15.80	15.92			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	15.84	15.84	15.70	17.3	0	
15	QPSK	1	37	15.92	15.86	15.85			
15	QPSK	1	74	15.79	15.70	15.67			
15	QPSK	36	0	15.92	15.73	15.72	17.3	0	
15	QPSK	36	20	15.79	15.85	15.70			
15	QPSK	36	39	15.76	15.72	15.59			
15	QPSK	75	0	15.78	15.76	15.82	17.3	0	
15	16QAM	1	0	15.80	15.85	15.77			
15	16QAM	1	37	15.89	15.89	15.79			
15	16QAM	1	74	15.93	15.77	15.80	17.3	0	
15	16QAM	36	0	15.85	15.67	15.69			
15	16QAM	36	20	15.87	15.73	15.76			
15	16QAM	36	39	15.82	15.77	15.58	17.3	0	
15	16QAM	75	0	15.84	15.78	15.87			
15	64QAM	1	0	15.74	15.78	15.83			
15	64QAM	1	37	15.92	15.81	15.77	17.3	0	
15	64QAM	1	74	15.75	15.65	15.71			
15	64QAM	36	0	15.83	15.73	15.74			
15	64QAM	36	20	15.81	15.81	15.74	17.3	0	
15	64QAM	36	39	15.83	15.64	15.68			
15	64QAM	75	0	15.90	15.74	15.72			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	15.77	15.74	15.61	17.3	0	
10	QPSK	1	25	15.89	15.76	15.80			
10	QPSK	1	49	15.84	15.72	15.70			
10	QPSK	25	0	15.94	15.74	15.73	17.3	0	
10	QPSK	25	12	15.82	15.85	15.77			
10	QPSK	25	25	15.79	15.68	15.56			
10	QPSK	50	0	15.76	15.62	15.84	17.3	0	
10	16QAM	1	0	15.82	15.84	15.71			
10	16QAM	1	25	15.97	15.89	15.82			
10	16QAM	1	49	15.89	15.71	15.73	17.3	0	
10	16QAM	25	0	15.89	15.75	15.71			
10	16QAM	25	12	15.84	15.77	15.87			
10	16QAM	25	25	15.90	15.74	15.68	17.3	0	
10	16QAM	50	0	15.89	15.75	15.78			
10	64QAM	1	0	15.85	15.71	15.75			
10	64QAM	1	25	15.84	15.80	15.78	17.3	0	
10	64QAM	1	49	15.84	15.63	15.69			
10	64QAM	25	0	15.93	15.74	15.83			
10	64QAM	25	12	15.81	15.74	15.79	17.3	0	
10	64QAM	25	25	15.75	15.58	15.63			
10	64QAM	50	0	15.81	15.67	15.82			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	15.78	15.61	15.61	17.3	0	
5	QPSK	1	12	15.86	15.80	15.85			
5	QPSK	1	24	15.84	15.61	15.60			
5	QPSK	12	0	15.84	15.71	15.77	17.3	0	
5	QPSK	12	7	15.82	15.76	15.71			
5	QPSK	12	13	15.85	15.72	15.58			
5	QPSK	25	0	15.8					



Band 41_Ant31

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)				39750	40185	40620	41055	41490		
20	QPSK	1	0	23.44	23.38	23.52	23.47	23.36	24.8	0
20	QPSK	1	49	23.50	23.46	23.71	23.62	23.60		
20	QPSK	1	99	23.39	23.35	23.60	23.45	23.45	23.8	1
20	QPSK	50	0	22.38	22.49	22.96	22.53	22.54		
20	QPSK	50	24	22.50	22.49	22.60	22.55	22.55	23.8	1
20	QPSK	50	50	22.53	22.45	22.53	22.58	22.55		
20	QPSK	100	0	22.42	22.46	22.60	22.56	22.51	23.8	1
20	16QAM	1	0	22.39	22.28	22.56	22.45	22.37		
20	16QAM	1	49	22.54	22.56	22.71	22.60	22.64	23.8	1
20	16QAM	1	99	22.40	22.33	22.60	22.42	22.46		
20	16QAM	50	0	21.62	21.53	21.62	21.52	21.52	22.8	2
20	16QAM	50	24	21.73	21.51	21.66	21.56	21.57		
20	16QAM	50	50	21.72	21.46	21.64	21.53	21.53	22.8	2
20	16QAM	100	0	21.64	21.49	21.60	21.59	21.52		
20	64QAM	1	0	21.60	21.06	21.16	21.14	21.12	22.8	2
20	64QAM	1	49	21.41	21.25	21.42	21.40	21.30		
20	64QAM	1	99	21.27	21.05	21.30	21.15	21.19	21.8	3
20	64QAM	50	0	20.54	20.66	20.78	20.68	20.66		
20	64QAM	50	24	20.61	20.66	20.83	20.72	20.73	21.8	3
20	64QAM	50	50	20.66	20.56	20.81	20.69	20.70		
20	64QAM	100	0	20.56	20.62	20.77	20.67	20.65		
Channel										
Frequency (MHz)				39775	40173	40620	41063	41515	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	23.43	23.46	23.48	23.47	23.43	24.80	0
15	QPSK	1	37	23.53	23.67	23.70	23.69	23.54		
15	QPSK	1	74	23.48	23.43	23.58	23.56	23.45	23.8	1
15	QPSK	36	0	22.39	22.39	22.56	22.49	22.41		
15	QPSK	36	20	22.44	22.47	22.58	22.51	22.42	23.8	1
15	QPSK	36	39	22.47	22.45	22.64	22.51	22.41		
15	QPSK	75	0	22.48	22.47	22.56	22.52	22.44	23.8	1
15	16QAM	1	0	22.45	22.36	22.47	22.46	22.36		
15	16QAM	1	37	22.55	22.53	22.67	22.58	22.57	23.8	1
15	16QAM	1	74	22.47	22.43	22.53	22.43	22.47		
15	16QAM	36	0	21.54	21.59	21.53	21.46	21.39	22.8	2
15	16QAM	36	20	21.64	21.60	21.58	21.43	21.39		
15	16QAM	36	39	21.71	21.64	21.61	21.47	21.38	22.8	2
15	16QAM	75	0	21.60	21.66	21.62	21.53	21.38		
15	64QAM	1	0	21.30	21.29	21.27	21.15	21.14	22.8	2
15	64QAM	1	37	21.46	21.43	21.37	21.31	21.37		
15	64QAM	1	74	21.32	21.39	21.29	21.23	21.13	21.8	3
15	64QAM	36	0	20.64	20.56	20.75	20.66	20.58		
15	64QAM	36	20	20.61	20.59	20.79	20.63	20.62	21.8	3
15	64QAM	36	39	20.68	20.67	20.77	20.66	20.58		
15	64QAM	75	0	20.55	20.53	20.78	20.67	20.61		
Channel										
Frequency (MHz)				39790	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	23.42	23.60	23.58	23.43	23.62	24.80	0
10	QPSK	1	25	23.47	23.66	23.55	23.56	23.69		
10	QPSK	1	49	23.40	23.68	23.58	23.50	23.67	23.8	1
10	QPSK	25	0	22.29	22.61	22.47	22.44	22.65		
10	QPSK	25	12	22.39	22.63	22.46	22.49	22.72	23.8	1
10	QPSK	25	25	22.41	22.71	22.45	22.45	22.71		
10	QPSK	50	0	22.45	22.63	22.47	22.51	22.71	23.8	1
10	16QAM	1	0	22.35	22.59	22.45	22.42	22.62		
10	16QAM	1	25	22.47	22.67	22.56	22.55	22.65	23.8	1
10	16QAM	1	49	22.38	22.61	22.50	22.53	22.73		
10	16QAM	25	0	21.57	21.67	21.47	21.53	21.68	22.8	2
10	16QAM	25	12	21.60	21.67	21.52	21.50	21.74		
10	16QAM	25	25	21.55	21.65	21.52	21.46	21.77	22.8	2
10	16QAM	50	0	21.59	21.61	21.48	21.50	21.75		
10	64QAM	1	0	21.33	21.30	21.25	21.16	21.46	22.8	2
10	64QAM	1	25	21.37	21.46	21.28	21.29	21.50		
10	64QAM	1	49	21.29	21.38	21.17	21.19	21.44	21.8	3
10	64QAM	25	0	20.52	20.80	20.66	20.68	20.92		
10	64QAM	25	12	20.60	20.80	20.68	20.77	20.94	21.8	3
10	64QAM	25	25	20.64	20.86	20.65	20.69	21.01		
10	64QAM	50	0	20.66	20.77	20.64	20.67	20.93		
Channel										
Frequency (MHz)				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	23.36	23.55	23.46	23.43	23.45	24.80	0
5	QPSK	1	12	23.41	23.63	23.57	23.51	23.53		
5	QPSK	1	24	23.36	23.65	23.52	23.47	23.49	23.8	1
5	QPSK	12	0	22.33	22.55	22.40	22.42	22.41		
5	QPSK	12	7	22.34	22.57	22.39	22.39	22.41	23.8	1
5	QPSK	12	13	22.34	22.58	22.45	22.40	22.39		
5	QPSK	25	0	22.34	22.57	22.41	22.40	22.48	23.8	1
5	16QAM	1	0	22.38	22.58	22.39	22.41	22.41		
5	16QAM	1	12	22.44	22.68	22.43	22.54	22.44	23.8	1
5	16QAM	1	24	22.37	22.61	22.45	22.45	22.44		
5	16QAM	12	0	21.45	21.51	21.37	21.35	21.37	22.8	2
5	16QAM	12	7	21.44	21.52	21.33	21.34	21.35		
5	16QAM	12	13	21.48	21.46	21.34	21.31	21.29	22.8	2
5	16QAM	25	0	21.58	21.54	21.45	21.46	21.44		
5	64QAM	1	0	21.34	21.32	21.20	21.24	21.19	22.8	2
5	64QAM	1	12	21.31	21.29	21.15	21.25	21.20		
5	64QAM	1	24	21.34	21.36	21.19	21.22	21.22	21.8	3
5	64QAM	12	0	20.47	20.72	20.53	20.60	20.54		
5	64QAM	12	7	20.52	20.75	20.55	20.58	20.52	21.8	3
5	64QAM	12	13	20.46	20.72	20.54	20.53	20.54		
5	64QAM	25	0	20.58	20.74	20.61	20.62	20.59		

Band 41_Ant14

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)				39750	40185	40620	41055	41490		
20	QPSK	1	0	15.78	16.04	15.93	15.84	15.99	17.3	0
20	QPSK	1	49	15.89	15.99	16.10	15.98	16.01		
20	QPSK	1	99	15.86	15.99	15.80	15.86	16.03	17.3	0
20	QPSK	50	0	15.79	16.00	16.02	15.87	15.95		
20	QPSK	50	24	15.83	16.01	15.93	15.81	15.91	17.3	0
20	QPSK	50	50	15.85	16.00	15.84	15.85	16.00		
20	QPSK	100	0	15.78	15.95	16.00	15.83	15.90	17.3	0
20	16QAM	1	0	15.80	16.05	15.83	15.80	15.97		
20	16QAM	1	49	15.75	16.03	15.83	15.87	16.00	17.3	0
20	16QAM	1	99	15.75	16.07	15.85	15.86	16.02		
20	16QAM	50	0	15.75	16.01	15.80	15.88	15.94	17.3	0
20	16QAM	50	24	15.87	16.03	15.84	15.80	15.95		
20	16QAM	50	50	15.89	16.06	15.82	15.82	15.99	17.3	0
20	16QAM	100	0	15.81	16.05	15.86	15.84	16.00		
20	64QAM	1	0	15.77	16.06	15.90	15.78	15.90	17.3	0
20	64QAM	1	49	15.82	16.00	15.90	15.87	15.99		
20	64QAM	1	99	15.79	16.02	15.92	15.78	15.91	17.3	0
20	64QAM	50	0	15.83	15.97	15.92	15.88	15.97		
20	64QAM	50	24	15.77	15.99	15.80	15.86	16.02	17.3	0
20	64QAM	50	50	15.79	16.03	15.84	15.79	15.99		
20	64QAM	100	0	15.82	16.03	15.85	15.85	15.82		
Channel										
Frequency (MHz)				39775	40173	40620	41063	41515	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	15.71	15.86	15.65	15.70	15.85	17.	



DSI 3 Power

Band 2_Ant14											
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./Freq.	Power Ch./Freq.	Power Ch./Freq.	Turn-up (dB)	MFR (dB)			
Channel Frequency (MHz)											
20	QPSK	1	0	13.18	13.24	13.09					
20	QPSK	1	49	13.17	13.14	13.14			14.5	0	
20	QPSK	1	99	13.18	13.24	13.09					
20	QPSK	50	0	13.18	13.25	13.05					
20	QPSK	50	24	13.17	13.24	13.06			14.5	0	
20	QPSK	50	50	13.18	13.20	13.19					
20	QPSK	100	0	13.20	13.24	13.06					
20	QPSK	100	49	13.20	13.21	13.11					
20	QPSK	100	99	13.20	13.23	13.23			14.5	0	
20	QPSK	50	0	13.08	13.20	13.00					
20	QPSK	50	24	13.04	13.24	13.15					
20	QPSK	50	50	13.14	13.20	13.22			14.5	0	
20	QPSK	100	0	13.07	13.25	13.16					
20	QPSK	100	49	13.07	13.21	13.06					
20	QPSK	100	99	13.09	13.28	13.14			14.5	0	
20	QPSK	50	0	13.15	13.26	13.07					
20	QPSK	50	24	13.15	13.25	13.14			14.5	0	
20	QPSK	50	50	13.15	13.26	13.15					
20	QPSK	100	0	13.15	13.27	13.07					
20	QPSK	100	49	13.15	13.28	13.18			14.5	0	
20	QPSK	100	99	13.15	13.29	13.19					
20	QPSK	50	0	13.05	13.28	13.09					
20	QPSK	50	24	13.05	13.29	13.19			14.5	0	
20	QPSK	50	50	13.05	13.28	13.18					
20	QPSK	100	0	13.05	13.29	13.19					
20	QPSK	100	49	13.05	13.30	13.20			14.5	0	
20	QPSK	100	99	13.05	13.31	13.21					
20	QPSK	50	0	13.12	13.32	13.13					
20	QPSK	50	24	13.12	13.33	13.23			14.5	0	
20	QPSK	50	50	13.12	13.32	13.22					
20	QPSK	100	0	13.12	13.33	13.23					
20	QPSK	100	49	13.12	13.34	13.24			14.5	0	
20	QPSK	100	99	13.12	13.35	13.25					
20	QPSK	50	0	13.02	13.35	13.16					
20	QPSK	50	24	13.02	13.36	13.26			14.5	0	
20	QPSK	50	50	13.02	13.35	13.25					
20	QPSK	100	0	13.02	13.36	13.26					
20	QPSK	100	49	13.02	13.37	13.27			14.5	0	
20	QPSK	100	99	13.02	13.38	13.28					
20	QPSK	50	0	13.09	13.39	13.20					
20	QPSK	50	24	13.09	13.40	13.30			14.5	0	
20	QPSK	50	50	13.09	13.39	13.29					
20	QPSK	100	0	13.09	13.40	13.30					
20	QPSK	100	49	13.09	13.41	13.31			14.5	0	
20	QPSK	100	99	13.09	13.42	13.32					
20	QPSK	50	0	13.00	13.42	13.23					
20	QPSK	50	24	13.00	13.43	13.33			14.5	0	
20	QPSK	50	50	13.00	13.42	13.32					
20	QPSK	100	0	13.00	13.43	13.33					
20	QPSK	100	49	13.00	13.44	13.34			14.5	0	
20	QPSK	100	99	13.00	13.45	13.35					
20	QPSK	50	0	13.07	13.45	13.26					
20	QPSK	50	24	13.07	13.46	13.36			14.5	0	
20	QPSK	50	50	13.07	13.45	13.35					
20	QPSK	100	0	13.07	13.46	13.36					
20	QPSK	100	49	13.07	13.47	13.37			14.5	0	
20	QPSK	100	99	13.07	13.48	13.38					
20	QPSK	50	0	13.04	13.48	13.29					
20	QPSK	50	24	13.04	13.49	13.39			14.5	0	
20	QPSK	50	50	13.04	13.48	13.38					
20	QPSK	100	0	13.04	13.49	13.39					
20	QPSK	100	49	13.04	13.50	13.40			14.5	0	
20	QPSK	100	99	13.04	13.51	13.41					
20	QPSK	50	0	13.01	13.51	13.32					
20	QPSK	50	24	13.01	13.52	13.42			14.5	0	
20	QPSK	50	50	13.01	13.51	13.41					
20	QPSK	100	0	13.01	13.52	13.42					
20	QPSK	100	49	13.01	13.53	13.43			14.5	0	
20	QPSK	100	99	13.01	13.54	13.44					
20	QPSK	50	0	13.08	13.54	13.35					
20	QPSK	50	24	13.08	13.55	13.45			14.5	0	
20	QPSK	50	50	13.08	13.54	13.44					
20	QPSK	100	0	13.08	13.55	13.45					
20	QPSK	100	49	13.08	13.56	13.46			14.5	0	
20	QPSK	100	99	13.08	13.57	13.47					
20	QPSK	50	0	13.05	13.57	13.38					
20	QPSK	50	24	13.05	13.58	13.48			14.5	0	
20	QPSK	50	50	13.05	13.57	13.47					
20	QPSK	100	0	13.05	13.58	13.48					
20	QPSK	100	49	13.05	13.59	13.49			14.5	0	
20	QPSK	100	99	13.05	13.60	13.50					
20	QPSK	50	0	13.02	13.60	13.41					
20	QPSK	50	24	13.02	13.61	13.51			14.5	0	
20	QPSK	50	50	13.02	13.60	13.50					
20	QPSK	100	0	13.02	13.61	13.51					
20	QPSK	100	49	13.02	13.62	13.52			14.5	0	
20	QPSK	100	99	13.02	13.63	13.53					
20	QPSK	50	0	13.09	13.63	13.44					
20	QPSK	50	24	13.09	13.64	13.54			14.5	0	
20	QPSK	50	50	13.09	13.63	13.53					
20	QPSK	100	0	13.09	13.64	13.54					
20	QPSK	100	49	13.09	13.65	13.55			14.5	0	
20	QPSK	100	99	13.09	13.66	13.56					
20	QPSK	50	0	13.06	13.66	13.47					
20	QPSK	50	24	13.06	13.67	13.57			14.5	0	
20	QPSK	50	50	13.06	13.66	13.56					
20	QPSK	100	0	13.06	13.67	13.57					
20	QPSK	100	49	13.06	13.68	13.58			14.5	0	
20	QPSK	100	99	13.06	13.69	13.59					
20	QPSK	50	0	13.03	13.69	13.50					
20	QPSK	50	24	13.03	13.70	13.60			14.5	0	
20	QPSK	50	50	13.03	13.69	13.59					
20	QPSK	100	0	13.03	13.70	13.60					
20	QPSK	100	49	13.03	13.71	13.61			14.5	0	
20	QPSK	100	99	13.03	13.72	13.62					
20	QPSK	50	0	13.10	13.72	13.53					
20	QPSK	50	24	13.10	13.73	13.63			14.5	0	
20	QPSK	50	50	13.10	13.72	13.62					
20	QPSK	100	0	13.10	13.73	13.63					
20	QPSK	100	49	13.10	13.74	13.64			14.5	0	
20	QPSK	100	99	13.10	13.75	13.65					
20	QPSK	50	0	13.07	13.75	13.56					
20	QPSK	50	24	13.07	13.76	13.66			14.5	0	
20	QPSK	50	50	13.07	13.75	13.65					
20	QPSK	100	0	13.07	13.76	13.66					
20	QPSK	100	49	13.07	13.77	13.67			14.5	0	
20	QPSK	100	99	13.07	13.78	13.68					
20	QPSK	50	0	13.04	13.78	13.59					
20	QPSK	50	24	13.04	13.79	13.69			14.5	0	
20	QPSK	50	50	13.04	13.78	13.68					
20	QPSK	100	0	13.04	13.79	13.69					
20	QPSK	100	49	13.04	13.80	13.70			14.5	0	
20	QPSK	100	99	13.04	13.81	13.71					
20	QPSK	50	0	13.11	13.81	13.62					
20	QPSK	50	24	13.11	13.82	13.72			14.5	0	
20	QPSK	50	50	13.11	13.81	13.71					
20	QPSK	100	0	13.11	13.82	13.72					
20	QPSK	100	49	13.11	13.83	13.73			14.5	0	
20	QPSK	100	99	13.11	13.84	13.74					
20	QPSK	50	0	13.08	13.84	13.65					
20	QPSK	50	24	13.08	13.85	13.75			14.5	0	
20	QPSK	50	50	13.08	13.84	13.74					
20	QPSK	100	0	13.08	13.85	13.75					
20	QPSK	100	49	13.08	13.86	13.76			14.5	0	
20	QPSK	100	99	13.08	13.87	13.77					
20	QPSK	50	0	13.05	13.87	13.68					
20	QPSK	50	24	13.05	13.88	13.78			14.5	0	
20	QPSK	50	50	13.05	13.87	13.77					
20	QPSK	100	0	13.05	13.88	13.78					
20	QPSK	100	49	13.05	13.89	13.79			14.5	0	
20	QPSK										



Band 5_Ant11										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up (dB)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	18.43	18.54	18.39	19.8	0		
10	QPSK	1	25	18.43	18.60	18.41	19.8	0		
10	QPSK	1	49	18.39	18.43	18.39	19.8	0		
10	QPSK	25	0	18.47	18.48	18.40	19.8	0		
10	QPSK	25	12	18.48	18.52	18.50	19.8	0		
10	QPSK	25	25	18.50	18.43	18.39	19.8	0		
10	QPSK	25	0	18.39	18.40	18.39	19.8	0		
10	HQAM	1	0	18.43	18.50	18.57	19.8	0		
10	HQAM	1	25	18.50	18.52	18.54	19.8	0		
10	HQAM	1	49	18.45	18.52	18.54	19.8	0		
10	HQAM	25	0	18.45	18.52	18.54	19.8	0		
10	HQAM	25	12	18.50	18.54	18.45	19.8	0		
10	HQAM	25	25	18.51	18.55	18.50	19.8	0		
10	HQAM	25	0	18.50	18.52	18.49	19.8	0		
10	HQAM	1	0	18.39	18.56	18.50	19.8	0		
10	HQAM	1	25	18.55	18.49	18.39	19.8	0		
10	HQAM	1	49	18.51	18.49	18.54	19.8	0		
10	HQAM	25	0	18.45	18.58	18.52	19.8	0		
10	HQAM	25	12	18.48	18.56	18.55	19.8	0		
10	HQAM	25	25	18.47	18.49	18.35	19.8	0		
10	HQAM	25	0	18.39	18.52	18.49	19.8	0		
Channel										
Frequency (MHz)										
5	QPSK	1	0	18.27	18.48	18.30	19.8	0		
5	QPSK	1	12	18.42	18.53	18.41	19.8	0		
5	QPSK	1	24	18.39	18.44	18.33	19.8	0		
5	QPSK	12	0	18.48	18.38	18.33	19.8	0		
5	QPSK	12	7	18.42	18.49	18.40	19.8	0		
5	QPSK	12	13	18.34	18.39	18.27	19.8	0		
5	QPSK	25	0	18.37	18.41	18.30	19.8	0		
5	HQAM	1	0	18.36	18.53	18.44	19.8	0		
5	HQAM	1	12	18.45	18.48	18.48	19.8	0		
5	HQAM	1	24	18.40	18.57	18.58	19.8	0		
5	HQAM	12	0	18.48	18.49	18.46	19.8	0		
5	HQAM	12	7	18.29	18.50	18.38	19.8	0		
5	HQAM	12	13	18.39	18.37	18.59	19.8	0		
5	HQAM	25	0	18.52	18.51	18.49	19.8	0		
5	HQAM	1	0	18.41	18.49	18.48	19.8	0		
5	HQAM	1	12	18.45	18.48	18.41	19.8	0		
5	HQAM	1	24	18.43	18.52	18.47	19.8	0		
5	HQAM	12	0	18.43	18.58	18.45	19.8	0		
5	HQAM	12	7	18.47	18.50	18.43	19.8	0		
5	HQAM	12	13	18.40	18.47	18.40	19.8	0		
5	HQAM	25	0	18.50	18.50	18.49	19.8	0		
Channel										
Frequency (MHz)										
3	QPSK	1	0	18.37	18.36	18.37	19.8	0		
3	QPSK	1	8	18.43	18.54	18.48	19.8	0		
3	QPSK	1	14	18.48	18.45	18.32	19.8	0		
3	QPSK	8	0	18.35	18.43	18.38	19.8	0		
3	QPSK	8	4	18.43	18.45	18.44	19.8	0		
3	QPSK	8	7	18.24	18.44	18.29	19.8	0		
3	QPSK	15	0	18.39	18.50	18.33	19.8	0		
3	HQAM	1	0	18.20	18.53	18.46	19.8	0		
3	HQAM	1	8	18.43	18.46	18.41	19.8	0		
3	HQAM	1	14	18.48	18.46	18.36	19.8	0		
3	HQAM	8	0	18.31	18.52	18.39	19.8	0		
3	HQAM	8	12	18.39	18.52	18.34	19.8	0		
3	HQAM	8	7	18.40	18.46	18.51	19.8	0		
3	HQAM	15	0	18.38	18.58	18.49	19.8	0		
3	HQAM	1	0	18.34	18.56	18.41	19.8	0		
3	HQAM	1	14	18.58	18.49	18.51	19.8	0		
3	HQAM	8	0	18.51	18.58	18.41	19.8	0		
3	HQAM	8	12	18.39	18.46	18.41	19.8	0		
3	HQAM	8	7	18.32	18.38	18.28	19.8	0		
3	HQAM	15	0	18.54	18.55	18.55	19.8	0		
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	18.35	18.40	18.28	19.8	0		
1.4	QPSK	1	3	18.40	18.57	18.48	19.8	0		
1.4	QPSK	1	5	18.45	18.47	18.31	19.8	0		
1.4	QPSK	3	0	18.37	18.51	18.32	19.8	0		
1.4	QPSK	3	1	18.48	18.45	18.39	19.8	0		
1.4	QPSK	3	3	18.31	18.40	18.33	19.8	0		
1.4	QPSK	3	0	18.35	18.44	18.31	19.8	0		
1.4	HQAM	1	0	18.29	18.56	18.38	19.8	0		
1.4	HQAM	1	3	18.49	18.45	18.47	19.8	0		
1.4	HQAM	1	5	18.39	18.56	18.48	19.8	0		
1.4	HQAM	3	0	18.41	18.49	18.45	19.8	0		
1.4	HQAM	3	1	18.30	18.41	18.41	19.8	0		
1.4	HQAM	3	3	18.44	18.48	18.51	19.8	0		
1.4	HQAM	3	0	18.43	18.58	18.41	19.8	0		
1.4	HQAM	1	0	18.34	18.52	18.40	19.8	0		
1.4	HQAM	1	3	18.41	18.41	18.29	19.8	0		
1.4	HQAM	1	5	18.45	18.56	18.56	19.8	0		
1.4	HQAM	3	0	18.42	18.47	18.51	19.8	0		
1.4	HQAM	3	1	18.44	18.36	18.43	19.8	0		
1.4	HQAM	3	3	18.29	18.48	18.21	19.8	0		
1.4	HQAM	3	0	18.29	18.60	18.56	19.8	0		

Band 5_Ant41										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up (dB)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.46	23.65	23.54	24.8	0		
10	QPSK	1	25	23.57	23.67	23.58	24.8	0		
10	QPSK	1	49	23.29	23.36	23.30	24.8	0		
10	QPSK	25	0	23.52	23.61	23.52	24.8	0		
10	QPSK	25	12	23.25	23.21	23.28	24.8	1		
10	QPSK	25	25	23.46	23.25	23.27	24.8	1		
10	HQAM	1	0	23.84	23.88	23.81	24.8	1		
10	HQAM	1	25	23.68	23.68	23.6	24.8	1		
10	HQAM	1	49	23.79	23.81	23.86	24.8	1		
10	HQAM	25	0	23.65	23.52	23.45	24.8	1		
10	HQAM	25	12	23.49	23.47	23.52	24.8	2		
10	HQAM	25	25	23.48	23.58	23.55	24.8	2		
10	HQAM	25	0	23.54	23.59	23.53	24.8	2		
10	HQAM	1	0	23.37	23.68	23.82	24.8	2		
10	HQAM	1	25	23.84	23.75	23.38	24.8	2		
10	HQAM	1	49	23.49	23.4	23.56	24.8	2		
10	HQAM	25	0	23.8	23.71	23.6	24.8	2		
10	HQAM	25	12	23.67	23.7	23.8	24.8	3		
10	HQAM	25	25	23.63	23.79	23.71	24.8	3		
10	HQAM	25	0	23.64	23.71	23.71	24.8	3		
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.35	23.66	23.41	24.8	0		
5	QPSK	1	12	23.52	23.56	23.52	24.8	0		
5	QPSK	1	24	23.50	23.48	23.45	24.8	0		
5	QPSK	12	0	23.33	23.39	23.51	24.8	1		
5	QPSK	12	7	23.27	23.25	23.40	24.8	1		
5	QPSK	12	13	23.29	23.39	23.39	24.8	1		
5	QPSK	25	0	23.31	23.40	23.49	24.8	1		
5	HQAM	1	0	22.73	23.55	23.32	24.8	1		
5	HQAM	1	12	23.58	23.57	23.57	24.8	1		
5	HQAM	1	24	23.46	23.38	23.84	24.8	1		
5	HQAM	12	0	23.31	23.40	23.52	24.8	2		
5	HQAM	12	7	23.19	23.21	23.32	24.8	2		
5	HQAM	12	13	23.23	23.31	23.32	24.8	2		
5	HQAM	25	0	23.31	23.38	23.69	24.8	2		
5	HQAM	25	12	23.45	23.45	23.52	24.8	2		
5	HQAM	25	24	23.34	23.64	23.49	24.8	2		
5	HQAM	12	0	23.47	23.61	23.73	24.8	3		
5	HQAM	12	7	23.48	23.54	23.54	24.8	3		
5	HQAM	12	13	23.45	23.65	23.52	24.8	3		
5	HQAM	25	0	23.48	23.51	23.56	24.8	3</		



Band 66_Ant14										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power Hgh Ch / Freq	Turn-up (dB)	MPR (dB)		
Channel										
Frequency (MHz)				15007	15022	15037	Turn-up (dB)	MPR (dB)		
20	QPSK	1	0	13.31	13.38	13.32	14.5	0		
20	QPSK	1	48	13.28	13.33	13.32	14.5	0		
20	QPSK	1	96	13.25	13.28	13.28	14.5	0		
20	QPSK	50	0	13.22	13.48	13.31	14.5	0		
20	QPSK	50	24	13.41	13.43	13.41	14.5	0		
20	QPSK	50	50	13.31	13.40	13.30	14.5	0		
20	QPSK	100	0	13.18	13.42	13.29	14.5	0		
20	16QAM	1	0	13.41	13.44	13.35	14.5	0		
20	16QAM	1	48	13.38	13.41	13.32	14.5	0		
20	16QAM	1	96	13.35	13.38	13.31	14.5	0		
20	16QAM	50	0	13.34	13.42	13.36	14.5	0		
20	16QAM	50	24	13.35	13.48	13.41	14.5	0		
20	16QAM	50	50	13.32	13.42	13.31	14.5	0		
20	16QAM	100	0	13.42	13.36	13.44	14.5	0		
20	16QAM	1	0	13.33	13.37	13.25	14.5	0		
20	16QAM	1	48	13.32	13.42	13.35	14.5	0		
20	16QAM	1	96	13.18	13.38	13.23	14.5	0		
20	16QAM	50	0	13.43	13.47	13.40	14.5	0		
20	16QAM	50	24	13.37	13.46	13.34	14.5	0		
20	16QAM	50	50	13.37	13.47	13.35	14.5	0		
20	16QAM	100	0	13.38	13.41	13.35	14.5	0		
Channel										
Frequency (MHz)				15047	15052	15067	Turn-up (dB)	MPR (dB)		
15	QPSK	1	0	13.28	13.38	13.28	14.5	0		
15	QPSK	1	74	13.23	13.42	13.29	14.5	0		
15	QPSK	36	0	13.21	13.42	13.27	14.5	0		
15	QPSK	36	20	13.28	13.48	13.31	14.5	0		
15	QPSK	36	36	13.27	13.38	13.29	14.5	0		
15	QPSK	75	0	13.09	13.39	13.25	14.5	0		
15	16QAM	1	0	13.33	13.38	13.28	14.5	0		
15	16QAM	1	36	13.32	13.38	13.28	14.5	0		
15	16QAM	1	74	13.27	13.33	13.26	14.5	0		
15	16QAM	36	0	13.33	13.32	13.28	14.5	0		
15	16QAM	36	20	13.32	13.37	13.36	14.5	0		
15	16QAM	36	36	13.28	13.42	13.21	14.5	0		
15	16QAM	75	0	13.40	13.43	13.43	14.5	0		
15	16QAM	1	0	13.25	13.28	13.23	14.5	0		
15	16QAM	1	36	13.26	13.38	13.21	14.5	0		
15	16QAM	1	74	13.18	13.28	13.16	14.5	0		
15	16QAM	36	0	13.41	13.42	13.36	14.5	0		
15	16QAM	36	20	13.29	13.41	13.22	14.5	0		
15	16QAM	36	36	13.32	13.41	13.28	14.5	0		
15	16QAM	75	0	13.37	13.37	13.26	14.5	0		
Channel										
Frequency (MHz)				15092	15102	15112	Turn-up (dB)	MPR (dB)		
10	QPSK	1	0	13.23	13.33	13.23	14.5	0		
10	QPSK	1	26	13.28	13.43	13.23	14.5	0		
10	QPSK	1	49	13.16	13.29	13.19	14.5	0		
10	QPSK	25	0	13.44	13.44	13.44	14.5	0		
10	QPSK	25	12	13.36	13.35	13.37	14.5	0		
10	QPSK	25	26	13.27	13.38	13.28	14.5	0		
10	QPSK	50	0	13.09	13.40	13.19	14.5	0		
10	16QAM	1	0	13.33	13.33	13.21	14.5	0		
10	16QAM	1	26	13.25	13.33	13.22	14.5	0		
10	16QAM	1	49	13.23	13.30	13.25	14.5	0		
10	16QAM	25	0	13.25	13.36	13.26	14.5	0		
10	16QAM	25	12	13.32	13.40	13.38	14.5	0		
10	16QAM	25	26	13.31	13.39	13.29	14.5	0		
10	16QAM	50	0	13.35	13.41	13.36	14.5	0		
10	16QAM	1	0	13.23	13.36	13.24	14.5	0		
10	16QAM	1	26	13.23	13.33	13.26	14.5	0		
10	16QAM	1	49	13.16	13.20	13.20	14.5	0		
10	16QAM	25	0	13.29	13.43	13.30	14.5	0		
10	16QAM	25	12	13.35	13.42	13.21	14.5	0		
10	16QAM	25	26	13.36	13.38	13.31	14.5	0		
10	16QAM	50	0	13.38	13.35	13.27	14.5	0		
Channel										
Frequency (MHz)				17115	17145	17175.5	Turn-up (dB)	MPR (dB)		
5	QPSK	1	0	13.27	13.30	13.28	14.5	0		
5	QPSK	1	12	13.25	13.42	13.25	14.5	0		
5	QPSK	1	24	13.15	13.38	13.18	14.5	0		
5	QPSK	12	0	13.11	13.38	13.29	14.5	0		
5	QPSK	12	7	13.37	13.32	13.33	14.5	0		
5	QPSK	12	13	13.22	13.32	13.25	14.5	0		
5	QPSK	25	0	13.07	13.35	13.25	14.5	0		
5	16QAM	1	0	13.34	13.33	13.23	14.5	0		
5	16QAM	1	12	13.30	13.37	13.30	14.5	0		
5	16QAM	1	24	13.22	13.36	13.18	14.5	0		
5	16QAM	12	0	13.32	13.40	13.25	14.5	0		
5	16QAM	12	7	13.33	13.39	13.34	14.5	0		
5	16QAM	12	13	13.27	13.32	13.24	14.5	0		
5	16QAM	25	0	13.37	13.41	13.40	14.5	0		
5	16QAM	1	0	13.31	13.29	13.20	14.5	0		
5	16QAM	1	12	13.21	13.30	13.26	14.5	0		
5	16QAM	1	24	13.09	13.24	13.20	14.5	0		
5	16QAM	12	0	13.33	13.43	13.28	14.5	0		
5	16QAM	12	7	13.25	13.40	13.32	14.5	0		
5	16QAM	12	13	13.28	13.42	13.23	14.5	0		
5	16QAM	25	0	13.34	13.37	13.33	14.5	0		
Channel										
Frequency (MHz)				17197	17202	17217	Turn-up (dB)	MPR (dB)		
3	QPSK	1	0	13.25	13.30	13.27	14.5	0		
3	QPSK	1	8	13.23	13.47	13.23	14.5	0		
3	QPSK	1	14	13.22	13.21	13.19	14.5	0		
3	QPSK	8	0	13.15	13.34	13.27	14.5	0		
3	QPSK	8	4	13.20	13.37	13.28	14.5	0		
3	QPSK	8	7	13.28	13.30	13.29	14.5	0		
3	QPSK	15	0	13.11	13.38	13.23	14.5	0		
3	16QAM	1	0	13.33	13.32	13.25	14.5	0		
3	16QAM	1	8	13.31	13.39	13.28	14.5	0		
3	16QAM	1	14	13.23	13.31	13.17	14.5	0		
3	16QAM	8	0	13.21	13.38	13.30	14.5	0		
3	16QAM	8	4	13.32	13.41	13.30	14.5	0		
3	16QAM	8	7	13.24	13.31	13.29	14.5	0		
3	16QAM	15	0	13.38	13.41	13.32	14.5	0		
3	16QAM	1	0	13.20	13.34	13.18	14.5	0		
3	16QAM	1	8	13.26	13.39	13.30	14.5	0		
3	16QAM	1	14	13.06	13.18	13.10	14.5	0		
3	16QAM	8	0	13.38	13.34	13.37	14.5	0		
3	16QAM	8	4	13.30	13.39	13.24	14.5	0		
3	16QAM	8	7	13.24	13.40	13.23	14.5	0		
3	16QAM	15	0	13.30	13.28	13.27	14.5	0		
Channel										
Frequency (MHz)				17197	17202	17217.5	Turn-up (dB)	MPR (dB)		
1.4	QPSK	1	0	13.27	13.34	13.23	14.5	0		
1.4	QPSK	1	3	13.18	13.43	13.27	14.5	0		
1.4	QPSK	1	5	13.13	13.19	13.17	14.5	0		
1.4	QPSK	3	0	13.11	13.41	13.22	14.5	0		
1.4	QPSK	3	3	13.36	13.38	13.29	14.5	0		
1.4	QPSK	3	3	13.17	13.28	13.23	14.5	0		
1.4	QPSK	6	0	13.09	13.30	13.25	14.5	0		
1.4	16QAM	1	0	13.30	13.33	13.25	14.5	0		
1.4	16QAM	1	3	13.27	13.27	13.20	14.5	0		
1.4	16QAM	1	5	13.22	13.20	13.25	14.5	0		
1.4	16QAM	3	0	13.22	13.31	13.27	14.5	0		
1.4	16QAM	3	1	13.30	13.42	13.28	14.5	0		
1.4	16QAM	3	3	13.23	13.36	13.23	14.5	0		
1.4	16QAM	6	0	13.35	13.36	13.40	14.5	0		
1.4	16QAM	1	0	13.26	13.36	13.20	14.5	0		
1.4										



Band 38_Ant31									
BW [MHz]	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	23.44	23.57	23.38	24.8	0	
20	QPSK	1	49	23.70	23.85	23.61			
20	QPSK	1	99	23.52	23.63	23.53			
20	QPSK	50	0	22.65	22.55	22.52			
20	QPSK	50	24	22.58	22.52	22.56			
20	QPSK	50	50	22.48	22.58	22.60			
20	QPSK	100	0	22.63	22.60	22.55			
20	16QAM	1	0	22.39	22.53	22.43			
20	16QAM	1	49	22.59	22.87	22.60			
20	16QAM	1	99	22.44	22.65	22.48			
20	16QAM	50	0	21.52	21.73	21.49			
20	16QAM	50	24	21.53	21.76	21.58			
20	16QAM	50	50	21.47	21.70	21.58			
20	16QAM	100	0	21.50	21.75	21.57			
20	64QAM	1	0	21.14	21.40	21.06			
20	64QAM	1	49	21.31	21.53	21.35			
20	64QAM	1	99	21.16	21.39	21.29			
20	64QAM	50	0	20.62	20.88	20.59			
20	64QAM	50	24	20.67	20.91	20.68			
20	64QAM	50	50	20.56	20.86	20.75			
20	64QAM	100	0	20.67	20.86	20.70			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	23.46	23.60	23.50	24.8	0	
15	QPSK	1	37	23.59	23.66	23.62			
15	QPSK	1	74	23.41	23.64	23.59			
15	QPSK	36	0	22.49	22.56	22.51			
15	QPSK	36	20	22.52	22.58	22.54			
15	QPSK	36	39	22.41	22.61	22.51			
15	QPSK	75	0	22.49	22.62	22.55			
15	16QAM	1	0	22.37	22.52	22.51			
15	16QAM	1	37	22.58	22.68	22.68			
15	16QAM	1	74	22.43	22.58	22.60			
15	16QAM	36	0	21.43	21.54	21.45			
15	16QAM	36	20	21.44	21.56	21.51			
15	16QAM	36	39	21.38	21.58	21.53			
15	16QAM	75	0	21.51	21.59	21.80			
15	64QAM	1	0	21.18	21.34	21.27			
15	64QAM	1	37	21.36	21.47	21.29			
15	64QAM	1	74	21.09	21.30	21.31			
15	64QAM	36	0	20.68	20.76	20.67			
15	64QAM	36	20	20.64	20.73	20.68			
15	64QAM	36	39	20.57	20.80	20.74			
15	64QAM	75	0	20.68	20.78	20.75			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	23.55	23.57	23.55	24.8	0	
10	QPSK	1	25	23.55	23.63	23.67			
10	QPSK	1	49	23.51	23.67	23.67			
10	QPSK	25	0	22.49	22.63	22.55			
10	QPSK	25	12	22.48	22.66	22.59			
10	QPSK	25	25	22.49	22.60	22.62			
10	QPSK	50	0	22.50	22.63	22.63			
10	16QAM	1	0	22.51	22.56	22.60			
10	16QAM	1	25	22.57	22.71	22.66			
10	16QAM	1	49	22.54	22.67	22.65			
10	16QAM	25	0	21.58	21.67	21.57			
10	16QAM	25	12	21.50	21.68	21.59			
10	16QAM	25	25	21.46	21.62	21.65			
10	16QAM	50	0	21.50	21.66	21.62			
10	64QAM	1	0	21.23	21.31	21.32			
10	64QAM	1	25	21.28	21.43	21.40			
10	64QAM	1	49	21.22	21.36	21.34			
10	64QAM	25	0	20.76	20.83	20.80			
10	64QAM	25	12	20.70	20.87	20.91			
10	64QAM	25	25	20.64	20.80	20.87			
10	64QAM	50	0	20.61	20.79	20.78			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	23.49	23.67	23.61	24.8	0	
5	QPSK	1	12	23.57	23.58	23.64			
5	QPSK	1	24	23.52	23.69	23.66			
5	QPSK	12	0	22.51	22.68	22.61			
5	QPSK	12	7	22.45	22.61	22.62			
5	QPSK	12	13	22.48	22.56	22.65			
5	QPSK	25	0	22.48	22.62	22.69			
5	16QAM	1	0	22.43	22.60	22.64			
5	16QAM	1	12	22.54	22.68	22.64			
5	16QAM	1	24	22.48	22.66	22.71			
5	16QAM	12	0	21.48	21.63	21.59			
5	16QAM	12	7	21.39	21.53	21.61			
5	16QAM	12	13	21.40	21.54	21.58			
5	16QAM	25	0	21.55	21.64	21.67			
5	64QAM	1	0	21.20	21.47	21.31			
5	64QAM	1	12	21.27	21.49	21.41			
5	64QAM	1	24	21.23	21.45	21.42			
5	64QAM	12	0	20.66	20.86	20.77			
5	64QAM	12	7	20.61	20.80	20.85			
5	64QAM	12	13	20.65	20.78	20.82			
5	64QAM	25	0	20.75	20.87	20.87			

Band 38_Ant14									
BW [MHz]	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	14.02	13.98	13.95	15.3	0	
20	QPSK	1	49	14.22	14.15	14.21			
20	QPSK	1	99	13.85	13.97	13.85			
20	QPSK	50	0	14.15	14.06	14.09			
20	QPSK	50	24	13.99	14.09	13.99			
20	QPSK	50	50	13.83	14.03	14.01			
20	QPSK	100	0	14.12	14.08	14.10			
20	16QAM	1	0	14.03	14.09	14.04			
20	16QAM	1	49	14.13	14.21	14.09			
20	16QAM	1	99	13.94	14.06	13.98			
20	16QAM	50	0	13.98	14.06	14.02			
20	16QAM	50	24	14.03	14.10	14.03			
20	16QAM	50	50	13.92	13.99	13.92			
20	16QAM	100	0	14.07	14.10	14.02			
20	64QAM	1	0	13.94	14.00	13.89			
20	64QAM	1	49	14.08	14.12	14.02			
20	64QAM	1	99	13.93	13.98	13.86			
20	64QAM	50	0	14.00	14.08	14.00			
20	64QAM	50	24	14.02	14.10	14.03			
20	64QAM	50	50	13.92	13.99	13.92			
20	64QAM	100	0	13.92	14.02	13.96			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	13.99	13.92	13.93	15.3	0	
15	QPSK	1	37	14.19	14.09	14.15			
15	QPSK	1	74	13.77	13.96	13.91			
15	QPSK	36	0	14.11	14.03	14.08			
15	QPSK	36	20	13.94	14.01	13.89			
15	QPSK	36	39	13.92	13.95	13.91			
15	QPSK	75	0	14.13	14.08	14.06			
15	16QAM	1	0	13.99	14.05	14.01			
15	16QAM	1	37	14.05	14.19	14.00			
15	16QAM	1	74	13.93	14.04	13.94			
15	16QAM	36	0	13.93	14.08	14.02			
15	16QAM	36	20	14.01	14.06	14.02			
15	16QAM	36	39	13.84	13.89	13.91			
15	16QAM	75	0	14.00	14.10	13.99			
15	64QAM	1	0	13.94	13.93	13.82			
15	64QAM	1	37	13.99	14.05	13.97			
15	64QAM	1	74	13.88	13.97	13.77			
15	64QAM	36	0	13.99	14.08	13.97			
15	64QAM	36	20	13.99	14.06	13.85			
15	64QAM	36	39	13.84	13.93	13.88			
15	64QAM	75	0	13.90	14.01	13.92			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	13.91	13.88	13.90	15.3	0	
10	QPSK	1	25	14.11	14.06	14.19			
10	QPSK	1	49	13.81	13.92	13.94			
10	QPSK	25	0	14.12	13.99	13.99			
10	QPSK	25	12	13.93	14.00	13.98			
10	QPSK	25	25	13.85	13.92	13.91			
10	QPSK	50	0	14.15	13.97	14.02			
10	16QAM	1	0	13.98	13.98	14.02			
10	16QAM	1	25	14.11	14.18	14.01			
10	16QAM	1	49	13.84	13.97	13.95			
10	16QAM	25	0	13.89	14.02	13.95			
10	16QAM	25	12	13.97	14.07	13.98			
10	16QAM	25	25	13.82	13.95	13.81			
10	16QAM	50	0	14.03	14.05	13.95			
10	64QAM	1	0	13.89	13.91	13.83			
10	64QAM	1	25	14.07	14.02	13.92			
10	64QAM	1	49	13.92	13.97	13.80			
10	64QAM	25	0	13.95	14.07	13.99			
10	64QAM	25	12	13.91	14.00	13.97			
10	64QAM	25	25	13.84	13.88	13.81			
10	64QAM	50	0	13.90	13.96	13.85			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	13.92	13.90	13.86	15.3	0	
5	QPSK	1	12	14.16	14.13	14.16			
5	QPSK	1	24	13.73	13.94	13.92			
5	QPSK	12	0	14.05	13.96	14.05			
5	QPSK	12	7	13.95	14.06	13.88			
5	QPSK	12	13	13.84	13.97	13.94			
5	QPSK	25	0	14.05	14.04	14.06			
5	16QAM	1	0	13.93	14.04	13.93			
5	16QAM	1	12	14.08	14.13	14.04			
5	16QAM	1	24	13.87	14.03	13.93			
5	16QAM	12	0	13.96	14.04	13.94			
5	16QAM	12	7	13.07	14.06	13.96			
5	16QAM	12	13	13.82	13.90	13.84			
5	16QAM	25	0	13.95	13.98	13.95			
5	64QAM	1	0	13.89	13.88	13.82			
5	64QAM	1	12	14.06	14.00	13.99			
5	64QAM	1	24	13.84	13.90	13.76			
5	64QAM	12	0	13.95	14.03	13.91			
5	64QAM	12	7	14.00	14.05	13.99			
5	64QAM	12	13	13.90	13.88	13.87			



Band 41_Ant31

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)				39750	40185	40620	41055	41490		
20	QPSK	1	0	23.44	23.38	23.52	23.47	23.36	24.8	0
20	QPSK	1	49	23.50	23.46	23.71	23.62	23.60		
20	QPSK	1	99	23.39	23.35	23.60	23.45	23.45	23.8	1
20	QPSK	50	0	22.38	22.49	22.96	22.53	22.54		
20	QPSK	50	24	22.50	22.49	22.60	22.55	22.55	23.8	1
20	QPSK	50	50	22.53	22.45	22.53	22.58	22.55		
20	QPSK	100	0	22.42	22.46	22.60	22.56	22.51	23.8	1
20	16QAM	1	0	22.39	22.28	22.56	22.45	22.37		
20	16QAM	1	49	22.54	22.56	22.71	22.60	22.64	23.8	1
20	16QAM	1	99	22.40	22.33	22.60	22.42	22.46		
20	16QAM	50	0	21.62	21.53	21.62	21.52	21.52	22.8	2
20	16QAM	50	24	21.73	21.51	21.58	21.58	21.57		
20	16QAM	50	50	21.72	21.46	21.84	21.53	21.53	22.8	2
20	16QAM	100	0	21.64	21.49	21.60	21.59	21.52		
20	64QAM	1	0	21.30	21.06	21.16	21.14	21.12	22.8	2
20	64QAM	1	49	21.41	21.25	21.42	21.40	21.30		
20	64QAM	1	99	21.27	21.05	21.30	21.15	21.19	21.8	3
20	64QAM	50	0	20.54	20.66	20.78	20.68	20.66		
20	64QAM	50	24	20.61	20.66	20.83	20.72	20.73	21.8	3
20	64QAM	50	50	20.66	20.56	20.81	20.69	20.70		
20	64QAM	100	0	20.56	20.62	20.77	20.67	20.65		
Channel										
Frequency (MHz)				39775	40179	40620	41063	41515		
15	QPSK	1	0	23.43	23.46	23.48	23.47	23.43	24.80	0
15	QPSK	1	37	23.53	23.67	23.70	23.69	23.54		
15	QPSK	1	74	23.48	23.43	23.58	23.56	23.45	23.8	1
15	QPSK	36	0	22.39	22.39	22.56	22.49	22.41		
15	QPSK	36	20	22.44	22.47	22.58	22.51	22.42	23.8	1
15	QPSK	36	39	22.47	22.45	22.64	22.51	22.41		
15	QPSK	75	0	22.48	22.47	22.56	22.52	22.44	23.8	1
15	16QAM	1	0	22.45	22.36	22.47	22.46	22.36		
15	16QAM	1	37	22.55	22.53	22.67	22.58	22.57	23.8	1
15	16QAM	1	74	22.47	22.43	22.53	22.43	22.47		
15	16QAM	36	0	21.54	21.59	21.53	21.46	21.39	22.8	2
15	16QAM	36	20	21.64	21.60	21.58	21.43	21.39		
15	16QAM	36	39	21.71	21.64	21.61	21.47	21.38	22.8	2
15	16QAM	75	0	21.60	21.66	21.62	21.53	21.46		
15	64QAM	1	0	21.30	21.29	21.27	21.15	21.14	22.8	2
15	64QAM	1	37	21.46	21.43	21.37	21.31	21.37		
15	64QAM	1	74	21.32	21.39	21.29	21.23	21.13	21.8	3
15	64QAM	36	0	20.64	20.56	20.75	20.66	20.58		
15	64QAM	36	20	20.61	20.59	20.79	20.63	20.62	21.8	3
15	64QAM	36	39	20.68	20.67	20.77	20.66	20.58		
15	64QAM	75	0	20.55	20.53	20.78	20.67	20.61		
Channel										
Frequency (MHz)				39790	40160	40620	41080	41540		
10	QPSK	1	0	23.42	23.60	23.58	23.43	23.62	24.80	0
10	QPSK	1	25	23.47	23.66	23.55	23.56	23.69		
10	QPSK	1	49	23.40	23.68	23.58	23.50	23.67	23.8	1
10	QPSK	25	0	22.29	22.61	22.47	22.44	22.65		
10	QPSK	25	12	22.39	22.63	22.46	22.49	22.72	23.8	1
10	QPSK	25	25	22.41	22.71	22.45	22.45	22.71		
10	QPSK	50	0	22.45	22.63	22.47	22.51	22.71	23.8	1
10	16QAM	1	0	22.35	22.59	22.45	22.42	22.62		
10	16QAM	1	25	22.47	22.67	22.56	22.55	22.65	23.8	1
10	16QAM	1	49	22.38	22.61	22.50	22.53	22.73		
10	16QAM	25	0	21.57	21.67	21.47	21.53	21.68	22.8	2
10	16QAM	25	12	21.60	21.67	21.52	21.50	21.74		
10	16QAM	25	25	21.55	21.65	21.52	21.46	21.77	22.8	2
10	16QAM	50	0	21.59	21.61	21.48	21.50	21.75		
10	64QAM	1	0	21.33	21.30	21.25	21.16	21.46	22.8	2
10	64QAM	1	25	21.37	21.46	21.28	21.29	21.50		
10	64QAM	1	49	21.29	21.38	21.17	21.19	21.44	21.8	3
10	64QAM	25	0	20.52	20.80	20.66	20.68	20.92		
10	64QAM	25	12	20.60	20.80	20.68	20.77	20.94	21.8	3
10	64QAM	25	25	20.64	20.86	20.65	20.69	21.01		
10	64QAM	50	0	20.66	20.77	20.64	20.67	20.93		
Channel										
Frequency (MHz)				39675	40148	40620	41093	41565		
5	QPSK	1	0	23.36	23.55	23.46	23.43	23.45	24.80	0
5	QPSK	1	12	23.41	23.63	23.57	23.51	23.53		
5	QPSK	1	24	23.36	23.65	23.52	23.47	23.49	23.8	1
5	QPSK	12	0	22.33	22.55	22.40	22.42	22.41		
5	QPSK	12	7	22.34	22.57	22.39	22.39	22.41	23.8	1
5	QPSK	12	13	22.34	22.58	22.45	22.40	22.39		
5	QPSK	25	0	22.34	22.57	22.41	22.40	22.48	23.8	1
5	16QAM	1	0	22.38	22.58	22.39	22.41	22.41		
5	16QAM	1	12	22.44	22.68	22.43	22.54	22.44	23.8	1
5	16QAM	1	24	22.37	22.61	22.45	22.45	22.44		
5	16QAM	12	0	21.45	21.51	21.37	21.35	21.37	22.8	2
5	16QAM	12	7	21.44	21.52	21.33	21.34	21.35		
5	16QAM	12	13	21.48	21.46	21.34	21.31	21.29	22.8	2
5	16QAM	25	0	21.58	21.54	21.45	21.46	21.44		
5	64QAM	1	0	21.34	21.32	21.20	21.24	21.19	22.8	2
5	64QAM	1	12	21.31	21.29	21.15	21.25	21.20		
5	64QAM	1	24	21.34	21.36	21.19	21.22	21.22	21.8	3
5	64QAM	12	0	20.47	20.72	20.53	20.60	20.54		
5	64QAM	12	7	20.52	20.75	20.55	20.58	20.52	21.8	3
5	64QAM	12	13	20.46	20.72	20.54	20.53	20.54		
5	64QAM	25	0	20.58	20.74	20.61	20.62	20.59		

Band 41_Ant14

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)				39750	40185	40620	41055	41490		
20	QPSK	1	0	14.02	13.98	14.05	13.96	14.02	15.3	0
20	QPSK	1	49	14.22	14.17	14.35	14.13	14.14		
20	QPSK	1	99	13.87	13.92	13.96	13.94	13.87	15.3	0
20	QPSK	50	0	14.05	14.06	14.22	14.09	14.12		
20	QPSK	50	24	14.07	14.08	14.15	14.13	14.09	15.3	0
20	QPSK	50	50	14.03	13.98	14.05	13.97	13.88		
20	QPSK	100	0	14.05	14.02	14.15	14.07	14.09	15.3	0
20	16QAM	1	0	14.03	14.00	14.10	14.04	14.06		
20	16QAM	1	49	14.05	14.06	14.16	14.09	14.12	15.3	0
20	16QAM	1	99	13.91	13.92	14.01	13.89	13.93		
20	16QAM	50	0	14.00	14.05	14.12	14.07	14.04	13.3	2
20	16QAM	50	24	14.07	14.08	14.14	14.11	14.10		
20	16QAM	50	50	13.92	13.93	14.03	13.94	13.92	15.3	0
20	16QAM	100	0	14.04	14.07	14.12	14.08	14.10		
20	64QAM	1	0	13.95	13.99	14.01	13.93	13.89	15.3	0
20	64QAM	1	49	14.11	14.11	14.15	14.07	14.08		
20	64QAM	1	99	13.83	13.93	13.95	13.83	13.91	15.3	0
20	64QAM	50	0	14.06	14.12	14.18	14.16	14.06		
20	64QAM	50	24	14.03	14.08	14.15	14.11	14.08	15.3	0
20	64QAM	50	50	14.04	13.97	14.07	14.01	14.02		
20	64QAM	100	0	14.05	13.97	14.09	14.00	14.06		
Channel										
Frequency (MHz)				39775	40179	40620	41063	41515		
15	QPSK	1	0	13.95	13.98	14.02	13.96	14.01	15.30	0
15	QPSK	1								



DSI 4 Power

Band 2_Ant14

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch / Freq, Power Mide Ch / Freq, Power High Ch / Freq, Turn-up (dB), MPR (dB). Includes sub-tables for Channel and Frequency (MHz).

Band 2_Ant31

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch / Freq, Power Mide Ch / Freq, Power High Ch / Freq, Turn-up (dB), MPR (dB). Includes sub-tables for Channel and Frequency (MHz).

Band 4_Ant14

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch / Freq, Power Mide Ch / Freq, Power High Ch / Freq, Turn-up (dB), MPR (dB). Includes sub-tables for Channel and Frequency (MHz).

Band 4_Ant31

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch / Freq, Power Mide Ch / Freq, Power High Ch / Freq, Turn-up (dB), MPR (dB). Includes sub-tables for Channel and Frequency (MHz).



MINISTRY OF NATIONAL DEFENSE

Band 5_Ant11										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (F/Hz)	Power Middle Ch. (F/Hz)	Power High Ch. (F/Hz)	Turn-up (dB)	MPR (dB)		
Channel										
Frequency (MHz)				824	836.5	844				
10	QPSK	1	0	23.27	23.52	23.52	24.8	0		
10	QPSK	1	25	22.51	22.52	22.49				
10	QPSK	1	49	23.55	23.47	23.51				
10	QPSK	25	0	22.47	22.58	22.44				
10	QPSK	25	12	22.46	22.56	22.53				
10	QPSK	25	25	22.41	22.52	22.49				
10	QPSK	50	0	22.51	22.55	22.53	23.8	1		
10	ISDM	1	0	22.78	22.84	22.71				
10	ISDM	1	25	22.72	22.75	22.66				
10	ISDM	1	49	22.74	22.66	22.75				
10	ISDM	25	0	21.48	21.53	21.52				
10	ISDM	25	12	21.49	21.54	21.52				
10	ISDM	25	25	21.44	21.51	21.52				
10	ISDM	50	0	21.43	21.51	21.53				
10	ISDM	1	0	21.33	21.46	21.31				
10	ISDM	1	25	21.36	21.78	21.78				
10	ISDM	1	49	21.28	21.80	21.82				
10	ISDM	25	0	20.70	20.81	20.55				
10	ISDM	25	12	20.62	20.89	20.87				
10	ISDM	25	25	20.51	20.71	20.61				
10	ISDM	50	0	20.63	20.71	20.84				
Channel										
Frequency (MHz)				20425	20525	20625				
5	QPSK	1	0	20.425	20.525	20.625	24.8	0		
5	QPSK	1	12	20.38	20.40	20.39				
5	QPSK	1	24	20.38	20.35	20.35				
5	QPSK	12	0	22.24	22.21	22.21				
5	QPSK	12	6	22.25	22.38	22.49				
5	QPSK	12	13	22.23	22.36	22.38				
5	QPSK	25	0	22.27	22.28	22.28				
5	ISDM	1	0	22.29	22.29	22.29				
5	ISDM	1	12	22.29	22.90	22.72				
5	ISDM	1	24	22.41	22.23	22.80				
5	ISDM	12	0	21.27	21.38	21.50				
5	ISDM	12	6	21.26	21.80	21.82				
5	ISDM	12	13	21.25	21.33	21.37				
5	ISDM	25	0	21.23	21.31	21.39				
5	ISDM	25	6	21.24	21.81	21.82				
5	ISDM	25	12	21.48	21.60	21.71				
5	ISDM	1	0	21.36	21.58	21.58				
5	ISDM	1	12	21.48	21.60	21.71				
5	ISDM	1	24	21.34	21.64	21.59				
5	ISDM	12	0	20.45	20.64	20.79				
5	ISDM	12	6	20.42	20.62	20.74				
5	ISDM	12	13	20.37	20.50	20.58				
5	ISDM	25	0	20.42	20.54	20.59				
Channel										
Frequency (MHz)				20625	20625	20625				
3	QPSK	1	0	20.625	20.625	20.625	24.8	0		
3	QPSK	1	8	23.27	23.36	23.31				
3	QPSK	1	16	22.24	22.34	22.38				
3	QPSK	8	0	22.32	22.36	22.45				
3	QPSK	8	4	22.29	22.42	22.41				
3	QPSK	8	7	22.28	22.41	22.45				
3	QPSK	15	0	22.29	22.33	22.44				
3	ISDM	1	0	22.32	22.41	22.89				
3	ISDM	1	8	22.41	22.71	22.49				
3	ISDM	1	16	22.63	22.84	22.42				
3	ISDM	8	0	21.38	21.39	21.51				
3	ISDM	8	4	21.40	21.47	21.46				
3	ISDM	8	7	21.34	21.50	21.48				
3	ISDM	15	0	21.29	21.36	21.59				
3	ISDM	1	0	21.12	21.38	21.68				
3	ISDM	1	8	21.31	21.62	21.63				
3	ISDM	1	16	21.29	21.61	21.27				
3	ISDM	8	0	20.44	20.44	20.59				
3	ISDM	8	4	20.45	20.57	20.59				
3	ISDM	8	7	20.50	20.67	20.63				
3	ISDM	15	0	20.42	20.53	20.63				
Channel										
Frequency (MHz)				824.7	836.5	843.3				
1.4	QPSK	1	0	23.21	23.37	23.38	24.8	0		
1.4	QPSK	1	3	23.22	23.35	23.39				
1.4	QPSK	1	5	23.26	23.32	23.31				
1.4	QPSK	3	0	23.40	23.32	23.27				
1.4	QPSK	3	1	23.39	23.21	23.33				
1.4	QPSK	3	3	23.39	23.30	23.24				
1.4	QPSK	6	0	22.28	22.22	22.24				
1.4	ISDM	1	0	22.48	22.51	22.27				
1.4	ISDM	1	8	22.26	22.05	22.16				
1.4	ISDM	1	15	22.27	22.33	22.44				
1.4	ISDM	3	0	22.31	22.30	22.28				
1.4	ISDM	3	1	22.31	22.26	22.35				
1.4	ISDM	6	0	21.27	21.08	21.39				
1.4	ISDM	1	0	21.51	21.36	21.45				
1.4	ISDM	1	3	21.46	20.92	21.15				
1.4	ISDM	1	5	21.57	21.38	21.38				
1.4	ISDM	3	0	21.33	21.33	21.38				
1.4	ISDM	3	1	21.09	21.33	21.43				
1.4	ISDM	3	1	21.40	21.34	21.39				
1.4	ISDM	6	0	20.38	20.33	20.33				

Band 5_Ant41										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (F/Hz)	Power Middle Ch. (F/Hz)	Power High Ch. (F/Hz)	Turn-up (dB)	MPR (dB)		
Channel										
Frequency (MHz)				850	856.5	864				
10	QPSK	1	0	23.48	23.45	23.54	24.8	0		
10	QPSK	1	25	22.27	22.48	22.56				
10	QPSK	1	49	23.48	23.58	23.59				
10	QPSK	25	0	22.52	22.61	22.52				
10	QPSK	25	12	22.5	22.51	22.58				
10	QPSK	25	25	22.42	22.52	22.57				
10	QPSK	50	0	22.25	22.28	22.27				
10	ISDM	1	0	22.84	22.88	22.61				
10	ISDM	1	25	22.98	22.68	22.8				
10	ISDM	1	49	22.79	22.91	22.96				
10	ISDM	25	0	21.55	21.50	21.45				
10	ISDM	25	12	21.49	21.47	21.56				
10	ISDM	25	25	21.48	21.59	21.52				
10	ISDM	50	0	21.54	21.53	21.53				
10	ISDM	1	0	21.37	21.68	21.82				
10	ISDM	1	25	21.94	21.75	21.38				
10	ISDM	1	49	21.69	21.81	21.36				
10	ISDM	25	0	20.5	20.7	20.8				
10	ISDM	25	12	20.87	20.7	20.8				
10	ISDM	25	25	20.83	20.73	20.71				
10	ISDM	50	0	20.81	20.57	20.71				
Channel										
Frequency (MHz)				20425	20525	20625				
5	QPSK	1	0	20.425	20.525	20.625	24.8	0		
5	QPSK	1	12	20.33	20.38	20.63				
5	QPSK	1	24	20.35	20.48	20.45				
5	QPSK	12	0	22.23	22.29	22.31				
5	QPSK	12	6	22.23	22.38	22.45				
5	QPSK	12	13	22.20	22.33	22.36				
5	QPSK	25	0	22.31	22.40	22.49				
5	ISDM	1	0	22.41	22.49	22.59				
5	ISDM	1	12	22.84	22.88	22.75				
5	ISDM	1	24	22.64	22.38	22.84				
5	ISDM	12	0	21.31	21.40	21.52				
5	ISDM	12	6	21.31	21.81	21.81				
5	ISDM	12	13	21.23	21.27	21.38				
5	ISDM	25	0	21.25	21.45	21.43				
5	ISDM	25	6	21.26	21.81	21.81				
5	ISDM	25	12	21.48	21.48	21.50				
5	ISDM	1	0	21.88	21.48	21.50				
5	ISDM	1	24	21.34	21.64	21.49				
5	ISDM	12	0	20.47	20.61	20.75				
5	ISDM	12	6	20.46	20.61	20.54				
5	ISDM	12	13	20.43	20.45	20.52				
5	ISDM	25	0	20.48	20.51	20.58				
Channel										
Frequency (MHz)				20625	20625	20625				
3	QPSK	1	0	20.625	20.625	20.625	24.8	0		
3	QPSK	1	8	23.28	23.34	23.34				



Band 66_Ant14									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	Tune-up (MHz)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	19.44	19.49	19.59	20.5	0	0
20	QPSK	1	49	19.37	19.41	19.41			
20	QPSK	1	99	19.40	19.48	19.59	20.5	0	0
20	QPSK	50	0	19.28	19.59	19.42			
20	QPSK	50	24	19.47	19.52	19.45	20.5	0	0
20	QPSK	50	26	19.45	19.42	19.47			
20	QPSK	100	0	19.36	19.51	19.59	20.5	0	0
20	16QAM	1	0	19.53	19.58	19.51			
20	16QAM	1	49	19.46	19.56	19.48	20.5	0	0
20	16QAM	1	99	19.41	19.52	19.45			
20	16QAM	50	0	19.46	19.57	19.45	20.5	0	0
20	16QAM	50	24	19.51	19.55	19.46			
20	16QAM	50	26	19.47	19.54	19.43	20.5	0	0
20	16QAM	100	0	19.54	19.57	19.46			
20	16QAM	1	0	19.41	19.52	19.41	20.5	0	0
20	16QAM	1	49	19.49	19.51	19.45			
20	16QAM	1	99	19.33	19.47	19.40	20.5	0	0
20	16QAM	50	0	19.44	19.58	19.45			
20	16QAM	50	24	19.49	19.61	19.63	20.5	0	0
20	16QAM	50	26	19.46	19.54	19.48			
20	16QAM	100	0	19.45	19.58	19.49			
Channel									
Frequency (MHz)									
15	QPSK	1	0	19.32	19.44	19.47	20.5	0	0
15	QPSK	1	37	19.29	19.57	19.58			
15	QPSK	1	74	19.35	19.44	19.29	20.5	0	0
15	QPSK	36	0	19.24	19.53	19.56			
15	QPSK	36	26	19.48	19.44	19.45	20.5	0	0
15	QPSK	36	38	19.38	19.48	19.37			
15	QPSK	75	0	19.26	19.54	19.55	20.5	0	0
15	16QAM	1	0	19.43	19.59	19.41			
15	16QAM	1	37	19.42	19.49	19.47	20.5	0	0
15	16QAM	1	74	19.41	19.51	19.36			
15	16QAM	36	0	19.38	19.46	19.41	20.5	0	0
15	16QAM	36	26	19.41	19.55	19.44			
15	16QAM	36	38	19.45	19.50	19.35	20.5	0	0
15	16QAM	75	0	19.53	19.51	19.45			
15	16QAM	75	0	19.36	19.58	19.38	20.5	0	0
15	16QAM	1	37	19.42	19.49	19.37			
15	16QAM	1	74	19.23	19.37	19.32	20.5	0	0
15	16QAM	36	0	19.43	19.47	19.33			
15	16QAM	36	26	19.41	19.52	19.41	20.5	0	0
15	16QAM	36	38	19.42	19.48	19.47			
15	16QAM	75	0	19.38	19.49	19.44			
Channel									
Frequency (MHz)									
10	QPSK	1	0	19.38	19.44	19.50	20.5	0	0
10	QPSK	1	26	19.31	19.51	19.33			
10	QPSK	1	49	19.34	19.49	19.37	20.5	0	0
10	QPSK	25	0	19.24	19.46	19.39			
10	QPSK	25	12	19.38	19.45	19.38	20.5	0	0
10	QPSK	25	25	19.43	19.52	19.36			
10	QPSK	50	0	19.31	19.44	19.34	20.5	0	0
10	16QAM	1	0	19.44	19.48	19.43			
10	16QAM	1	26	19.44	19.49	19.45	20.5	0	0
10	16QAM	1	49	19.37	19.41	19.40			
10	16QAM	25	0	19.43	19.49	19.41	20.5	0	0
10	16QAM	25	12	19.47	19.47	19.37			
10	16QAM	25	25	19.40	19.41	19.32	20.5	0	0
10	16QAM	50	0	19.48	19.47	19.44			
10	16QAM	1	0	19.30	19.48	19.35	20.5	0	0
10	16QAM	1	26	19.37	19.53	19.42			
10	16QAM	1	49	19.23	19.40	19.33	20.5	0	0
10	16QAM	25	0	19.34	19.53	19.35			
10	16QAM	25	12	19.47	19.58	19.45	20.5	0	0
10	16QAM	25	25	19.43	19.47	19.45			
10	16QAM	50	0	19.35	19.48	19.39			
Channel									
Frequency (MHz)									
5	QPSK	1	0	19.32	19.38	19.33	20.5	0	0
5	QPSK	1	12	19.31	19.39	19.33			
5	QPSK	1	24	19.32	19.35	19.30	20.5	0	0
5	QPSK	12	0	19.21	19.49	19.34			
5	QPSK	12	7	19.39	19.46	19.31	20.5	0	0
5	QPSK	12	14	19.30	19.47	19.43			
5	QPSK	25	0	19.19	19.48	19.34	20.5	0	0
5	16QAM	1	0	19.46	19.47	19.44			
5	16QAM	1	12	19.40	19.49	19.38	20.5	0	0
5	16QAM	1	24	19.27	19.45	19.24			
5	16QAM	12	0	19.37	19.45	19.38	20.5	0	0
5	16QAM	12	7	19.37	19.45	19.32			
5	16QAM	12	14	19.37	19.42	19.35	20.5	0	0
5	16QAM	25	0	19.49	19.47	19.42			
5	16QAM	1	0	19.36	19.45	19.27	20.5	0	0
5	16QAM	1	12	19.44	19.44	19.31			
5	16QAM	1	24	19.29	19.35	19.29	20.5	0	0
5	16QAM	12	0	19.46	19.51	19.39			
5	16QAM	12	7	19.39	19.53	19.41	20.5	0	0
5	16QAM	12	14	19.41	19.41	19.44			
5	16QAM	25	0	19.31	19.44	19.39	20.5	0	0
5	16QAM	25	0	19.31	19.44	19.39			
Channel									
Frequency (MHz)									
3	QPSK	1	0	19.32	19.43	19.29	20.5	0	0
3	QPSK	1	8	19.27	19.57	19.58			
3	QPSK	1	14	19.35	19.34	19.34	20.5	0	0
3	QPSK	8	0	19.15	19.42	19.38			
3	QPSK	8	4	19.40	19.48	19.39	20.5	0	0
3	QPSK	8	7	19.41	19.50	19.37			
3	QPSK	15	0	19.24	19.51	19.25	20.5	0	0
3	16QAM	1	0	19.41	19.59	19.43			
3	16QAM	1	8	19.35	19.41	19.43	20.5	0	0
3	16QAM	1	14	19.31	19.43	19.39			
3	16QAM	8	0	19.40	19.43	19.38	20.5	0	0
3	16QAM	8	4	19.47	19.45	19.38			
3	16QAM	8	7	19.34	19.38	19.33	20.5	0	0
3	16QAM	15	0	19.43	19.49	19.39			
3	16QAM	1	0	19.33	19.49	19.31	20.5	0	0
3	16QAM	1	8	19.41	19.51	19.35			
3	16QAM	1	14	19.26	19.39	19.35	20.5	0	0
3	16QAM	8	0	19.32	19.46	19.34			
3	16QAM	8	4	19.41	19.56	19.45	20.5	0	0
3	16QAM	8	7	19.45	19.43	19.36			
3	16QAM	15	0	19.37	19.45	19.40			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	19.38	19.44	19.53	20.5	0	0
1.4	QPSK	1	3	19.23	19.53	19.31			
1.4	QPSK	1	5	19.28	19.39	19.26	20.5	0	0
1.4	QPSK	3	0	19.20	19.50	19.35			
1.4	QPSK	3	1	19.41	19.47	19.32	20.5	0	0
1.4	QPSK	3	3	19.38	19.44	19.38			
1.4	QPSK	8	0	19.23	19.48	19.30	20.5	0	0
1.4	16QAM	1	0	19.48	19.52	19.43			
1.4	16QAM	1	3	19.32	19.48	19.39	20.5	0	0
1.4	16QAM	1	5	19.37	19.43	19.34			
1.4	16QAM	3	0	19.38	19.43	19.33	20.5	0	0
1.4	16QAM	3	1	19.45	19.48	19.41			
1.4	16QAM	3	3	19.40	19.45	19.37	20.5	0	0
1.4	16QAM	8	0	19.49	19.44	19.41			
1.4	16QAM	1	0	19.33	19.45	19.28	20.5	0	0
1.4	16QAM	1	3	19.40	19.52	19.37			
1.4	16QAM	1	5	19.26	19.29	19.26	20.5	0	0
1.4	16QAM	3	0	19.37	19.46	19.35			
1.4	16QAM	3	1	19.43	19.47	19.40	20.5	0	0
1.4	16QAM	3	3	19.44	19.42	19.42			
1.4	16QAM	8	0	19.33	19.47	19.35	20.5	0	0

Band 66_Ant31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	Tune-up (MHz)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	19.05	19.10	19.15	20	0	0
20	QPSK	1	49	19.13	19.26	19.21			
20	QPSK	1	99	19.07	19.08	19.07	20	0	0
20	QPSK	50	0	19.09	19.23	19.22			
20	QPSK	50	24	19.15	19.16	19.08	20	0	



Band 38_Ant31									
BW [MHz]	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	22.63	22.55	22.57	23.8	0	
20	QPSK	1	49	22.93	22.87	22.86			
20	QPSK	1	99	22.70	22.64	22.67			
20	QPSK	50	0	22.83	22.81	22.74	23.8	0	
20	QPSK	50	24	22.81	22.72	22.79			
20	QPSK	50	50	22.71	22.67	22.66			
20	QPSK	100	0	22.79	22.73	22.74	23.8	0	
20	16QAM	1	0	22.75	22.63	22.71			
20	16QAM	1	49	22.91	22.79	22.81			
20	16QAM	1	99	22.77	22.70	22.71	22.8	1	
20	16QAM	50	0	21.77	21.67	21.73			
20	16QAM	50	24	21.78	21.73	21.71			
20	16QAM	50	50	21.70	21.68	21.59	22.8	1	
20	16QAM	100	0	21.76	21.68	21.70			
20	64QAM	1	0	21.63	21.60	21.54			
20	64QAM	1	49	21.81	21.72	21.70	22.8	1	
20	64QAM	1	99	21.63	21.53	21.54			
20	64QAM	50	0	20.93	20.85	20.83			
20	64QAM	50	24	20.91	20.88	20.80	21.8	2	
20	64QAM	50	50	20.86	20.74	20.77			
20	64QAM	100	0	20.88	20.76	20.74			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	22.51	22.48	22.51	23.8	0	
15	QPSK	1	37	22.84	22.78	22.84			
15	QPSK	1	74	22.62	22.52	22.57			
15	QPSK	36	0	22.71	22.77	22.62	23.8	0	
15	QPSK	36	20	22.70	22.60	22.67			
15	QPSK	36	39	22.69	22.55	22.59			
15	QPSK	75	0	22.75	22.71	22.67	23.8	0	
15	16QAM	1	0	22.67	22.59	22.68			
15	16QAM	1	37	22.79	22.72	22.71			
15	16QAM	1	74	22.75	22.64	22.66	22.8	1	
15	16QAM	36	0	21.72	21.61	21.64			
15	16QAM	36	20	21.75	21.67	21.69			
15	16QAM	36	39	21.67	21.64	21.52	22.8	1	
15	16QAM	75	0	21.71	21.66	21.59			
15	64QAM	1	0	21.60	21.56	21.43			
15	64QAM	1	37	21.70	21.61	21.63	22.8	1	
15	64QAM	1	74	21.60	21.41	21.51			
15	64QAM	36	0	20.98	20.82	20.77			
15	64QAM	36	20	20.86	20.78	20.70	21.8	2	
15	64QAM	36	39	20.81	20.72	20.69			
15	64QAM	75	0	20.80	20.66	20.82			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	22.55	22.45	22.47	23.8	0	
10	QPSK	1	25	22.84	22.81	22.75			
10	QPSK	1	49	22.63	22.58	22.63			
10	QPSK	25	0	22.72	22.77	22.69	23.8	0	
10	QPSK	25	12	22.73	22.68	22.75			
10	QPSK	25	25	22.66	22.58	22.63			
10	QPSK	50	0	22.76	22.68	22.62	23.8	0	
10	16QAM	1	0	22.67	22.51	22.59			
10	16QAM	1	25	22.80	22.74	22.79			
10	16QAM	1	49	22.68	22.67	22.67	22.8	1	
10	16QAM	25	0	21.73	21.56	21.63			
10	16QAM	25	12	21.68	21.64	21.68			
10	16QAM	25	25	21.63	21.61	21.55	22.8	1	
10	16QAM	50	0	21.67	21.63	21.58			
10	64QAM	1	0	21.60	21.46	21.46			
10	64QAM	1	25	21.76	21.61	21.65	22.8	1	
10	64QAM	1	49	21.51	21.42	21.43			
10	64QAM	25	0	20.83	20.79	20.77			
10	64QAM	25	12	20.87	20.81	20.76	21.8	2	
10	64QAM	25	25	20.82	20.72	20.71			
10	64QAM	50	0	20.79	20.73	20.75			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	22.57	22.43	22.43	23.8	0	
5	QPSK	1	12	22.88	22.77	22.79			
5	QPSK	1	24	22.63	22.60	22.56			
5	QPSK	12	0	22.78	22.68	22.66	23.8	0	
5	QPSK	12	7	22.74	22.59	22.67			
5	QPSK	12	13	22.67	22.53	22.57			
5	QPSK	25	0	22.72	22.64	22.63	23.8	0	
5	16QAM	1	0	22.61	22.51	22.66			
5	16QAM	1	12	22.82	22.69	22.77			
5	16QAM	1	24	22.65	22.59	22.63	22.8	1	
5	16QAM	12	0	21.70	21.58	21.61			
5	16QAM	12	7	21.67	21.64	21.66			
5	16QAM	12	13	21.57	21.54	21.52	22.8	1	
5	16QAM	25	0	21.65	21.55	21.58			
5	64QAM	1	0	21.50	21.56	21.47			
5	64QAM	1	12	21.77	21.64	21.64	22.8	1	
5	64QAM	1	24	21.54	21.42	21.41			
5	64QAM	12	0	20.86	20.81	20.72			
5	64QAM	12	7	20.83	20.81	20.70	21.8	2	
5	64QAM	12	13	20.82	20.67	20.72			
5	64QAM	25	0	20.74	20.72	20.76			

Band 38_Ant14									
BW [MHz]	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	22.02	21.99	21.95	23.3	0	
20	QPSK	1	49	22.33	22.18	22.19			
20	QPSK	1	99	22.22	22.15	22.17			
20	QPSK	50	0	22.19	22.15	22.07	23.3	0	
20	QPSK	50	24	22.15	22.10	22.11			
20	QPSK	50	50	22.11	22.08	22.08			
20	QPSK	100	0	22.18	22.12	22.11	23.3	0	
20	16QAM	1	0	22.22	22.17	22.20			
20	16QAM	1	49	22.19	22.11	22.16			
20	16QAM	1	99	22.21	22.18	22.19	22.8	0.5	
20	16QAM	50	0	21.52	21.50	21.48			
20	16QAM	50	24	21.55	21.46	21.45			
20	16QAM	50	50	21.45	21.38	21.39	22.8	0.5	
20	16QAM	100	0	21.46	21.37	21.38			
20	64QAM	1	0	21.11	21.07	21.02			
20	64QAM	1	49	21.30	21.25	21.19	22.8	0.5	
20	64QAM	1	99	21.12	21.05	21.09			
20	64QAM	50	0	20.68	20.58	20.59			
20	64QAM	50	24	20.69	20.64	20.65	21.8	1.5	
20	64QAM	50	50	20.64	20.61	20.54			
20	64QAM	100	0	20.68	20.56	20.64			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	21.90	21.88	21.88	23.3	0	
15	QPSK	1	37	22.25	22.15	22.09			
15	QPSK	1	74	22.20	22.06	22.08			
15	QPSK	36	0	22.15	22.07	22.02	23.3	0	
15	QPSK	36	20	22.03	22.07	22.09			
15	QPSK	36	39	22.08	21.99	22.06			
15	QPSK	75	0	22.13	22.03	22.06	23.3	0	
15	16QAM	1	0	22.17	22.11	22.12			
15	16QAM	1	37	22.17	22.09	22.08			
15	16QAM	1	74	22.17	22.16	22.11	22.8	0.5	
15	16QAM	36	0	21.48	21.42	21.41			
15	16QAM	36	20	21.43	21.40	21.35			
15	16QAM	36	39	21.41	21.30	21.37	22.8	0.5	
15	16QAM	75	0	21.34	21.27	21.36			
15	64QAM	1	0	21.03	21.04	20.99			
15	64QAM	1	37	21.24	21.17	21.13	22.8	0.5	
15	64QAM	1	74	21.05	20.98	21.02			
15	64QAM	36	0	20.56	20.50	20.47			
15	64QAM	36	20	20.64	20.52	20.54	21.8	1.5	
15	64QAM	36	39	20.61	20.55	20.46			
15	64QAM	75	0	20.58	20.49	20.61			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	21.94	21.92	21.85	23.3	0	
10	QPSK	1	25	22.19	22.09	22.07			
10	QPSK	1	49	22.18	22.04	22.07			
10	QPSK	25	0	22.11	22.03	21.95	23.3	0	
10	QPSK	25	12	22.01	21.98	21.96			
10	QPSK	25	25	21.99	21.96	21.96			
10	QPSK	50	0	22.07	22.02	22.01	23.3	0	
10	16QAM	1	0	22.12	22.03	22.13			
10	16QAM	1	25	22.06	22.01	22.03			
10	16QAM	1	49	22.13	22.05	22.15	22.8	0.5	
10	16QAM	25	0	21.41	21.43	21.44			
10	16QAM	25	12	21.46	21.37	21.35			
10	16QAM	25	25	21.40	21.33	21.34	22.8	0.5	
10	16QAM	50	0	21.41	21.25	21.26			
10	64QAM	1	0	21.04	20.99	20.98			
10	64QAM	1	25	21.17	21.12	21.13	22.8	0.5	
10	64QAM	1	49	21.03	20.93	20.95			
10	64QAM	25	0	20.57	20.49	20.46			
10	64QAM	25	12	20.60	20.50	20.53	21.8	1.5	
10	64QAM	25	25	20.59	20.50	20.45			
10	64QAM	50	0	20.62	20.52	20.53			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0						

Band 41_Ant31											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel											
Frequency (MHz)											
20	QPSK	1	0	22.60	22.67	22.72	22.81	22.84	23.8	0	
20	QPSK	1	49	22.86	22.84	23.01	22.93	22.96			
20	QPSK	1	99	22.68	22.83	22.71	22.59	22.63	23.8	0	
20	QPSK	50	0	22.73	22.82	22.93	22.85	22.91			
20	QPSK	50	24	22.88	22.87	22.91	22.86	22.87	23.8	0	
20	QPSK	50	50	22.76	22.71	22.78	22.67	22.68			
20	QPSK	100	0	22.81	22.80	22.94	22.83	22.93	23.8	0	
20	16QAM	1	0	22.79	22.76	22.87	22.84	22.81			
20	16QAM	1	49	22.95	22.89	23.00	22.89	22.89	23.8	0	
20	16QAM	1	99	22.71	22.78	22.81	22.73	22.71			
20	16QAM	50	0	21.86	21.85	21.88	21.85	21.81	22.8	1	
20	16QAM	50	24	21.82	21.86	21.89	21.79	21.79			
20	16QAM	50	50	21.74	21.72	21.78	21.75	21.76	22.8	1	
20	16QAM	100	0	21.77	21.74	21.81	21.69	21.72			
20	64QAM	1	0	21.71	21.70	21.77	21.69	21.65	22.8	1	
20	64QAM	1	49	21.76	21.83	21.88	21.84	21.78			
20	64QAM	1	99	21.67	21.63	21.70	21.65	21.60	21.8	2	
20	64QAM	50	0	21.00	21.02	21.08	20.96	21.05			
20	64QAM	50	24	21.01	21.01	21.06	21.01	20.98	21.8	2	
20	64QAM	50	50	20.89	20.91	20.95	20.91	20.83			
20	64QAM	100	0	20.87	20.83	20.95	20.83	20.83	21.8	2	
Channel											
Frequency (MHz)											
15	QPSK	1	0	22.51	22.58	22.60	22.55	22.58	23.80	0	
15	QPSK	1	37	22.83	22.72	22.97	22.87	22.89			
15	QPSK	1	74	22.60	22.54	22.69	22.50	22.59	23.8	0	
15	QPSK	36	0	22.64	22.75	22.86	22.77	22.89			
15	QPSK	36	20	22.86	22.78	22.82	22.81	22.85	23.8	0	
15	QPSK	36	39	22.71	22.63	22.66	22.58	22.60			
15	QPSK	75	0	22.69	22.77	22.90	22.77	22.90	23.8	0	
15	16QAM	1	0	22.74	22.73	22.81	22.75	22.76			
15	16QAM	1	37	22.89	22.85	22.93	22.87	22.86	23.8	0	
15	16QAM	1	74	22.62	22.73	22.73	22.66	22.67			
15	16QAM	36	0	21.84	21.78	21.80	21.82	21.74	22.8	1	
15	16QAM	36	20	21.72	21.76	21.79	21.75	21.70			
15	16QAM	36	39	21.72	21.62	21.67	21.68	21.64	22.8	1	
15	16QAM	75	0	21.68	21.71	21.79	21.62	21.64			
15	64QAM	1	0	21.68	21.67	21.74	21.57	21.54	22.8	1	
15	64QAM	1	37	21.69	21.71	21.84	21.81	21.69			
15	64QAM	1	74	21.55	21.54	21.64	21.59	21.49	21.8	2	
15	64QAM	36	0	20.88	20.93	20.96	20.86	21.00			
15	64QAM	36	20	20.93	20.97	20.97	20.89	20.89	21.8	2	
15	64QAM	36	39	20.84	20.86	20.90	20.81	20.75			
15	64QAM	75	0	20.80	20.72	20.86	20.74	20.86	21.8	2	
Channel											
Frequency (MHz)											
10	QPSK	1	0	22.48	22.59	22.60	22.53	22.59	23.80	0	
10	QPSK	1	25	22.80	22.80	22.95	22.83	22.82			
10	QPSK	1	49	22.54	22.52	22.64	22.54	22.53	23.8	0	
10	QPSK	25	0	22.61	22.78	22.80	22.75	22.79			
10	QPSK	25	12	22.76	22.62	22.82	22.73	22.79	23.8	0	
10	QPSK	25	25	22.70	22.84	22.84	22.63	22.60			
10	QPSK	50	0	22.67	22.78	22.88	22.78	22.85	23.8	0	
10	16QAM	1	0	22.72	22.70	22.79	22.71	22.69			
10	16QAM	1	25	22.90	22.77	22.95	22.76	22.75	23.8	0	
10	16QAM	1	49	22.63	22.71	22.67	22.64	22.58			
10	16QAM	25	0	21.73	21.78	21.82	21.74	21.74	22.8	1	
10	16QAM	25	12	21.76	21.72	21.75	21.71	21.67			
10	16QAM	25	25	21.68	21.67	21.68	21.71	21.70	22.8	1	
10	16QAM	50	0	21.65	21.69	21.67	21.65	21.65			
10	64QAM	1	0	21.58	21.60	21.65	21.58	21.55	22.8	1	
10	64QAM	1	25	21.69	21.74	21.79	21.70	21.72			
10	64QAM	1	49	21.61	21.58	21.61	21.56	21.49	21.8	2	
10	64QAM	25	0	20.95	20.88	21.02	20.82	20.95			
10	64QAM	25	12	20.91	20.97	20.93	20.92	20.92	21.8	2	
10	64QAM	25	25	20.75	20.80	20.90	20.77	20.69			
10	64QAM	50	0	20.76	20.74	20.85	20.78	20.80	21.8	2	
Channel											
Frequency (MHz)											
5	QPSK	1	0	22.51	22.58	22.67	22.51	22.57	23.80	0	
5	QPSK	1	12	22.74	22.78	22.97	22.87	22.86			
5	QPSK	1	24	22.64	22.49	22.61	22.50	22.55	23.8	0	
5	QPSK	12	0	22.65	22.72	22.87	22.79	22.84			
5	QPSK	12	7	22.76	22.75	22.81	22.80	22.82	23.8	0	
5	QPSK	12	13	22.68	22.62	22.67	22.58	22.60			
5	QPSK	25	0	22.70	22.75	22.87	22.74	22.87	23.8	0	
5	16QAM	1	0	22.73	22.63	22.83	22.77	22.70			
5	16QAM	1	12	22.86	22.84	22.91	22.79	22.82	23.8	0	
5	16QAM	1	24	22.57	22.70	22.75	22.69	22.65			
5	16QAM	12	0	21.79	21.73	21.82	21.75	21.69	22.8	1	
5	16QAM	12	7	21.69	21.81	21.82	21.73	21.66			
5	16QAM	12	13	21.62	21.61	21.72	21.66	21.62	22.8	1	
5	16QAM	25	0	21.72	21.68	21.74	21.58	21.65			
5	64QAM	1	0	21.66	21.62	21.64	21.62	21.61	22.8	1	
5	64QAM	1	12	21.71	21.77	21.74	21.72	21.67			
5	64QAM	1	24	21.53	21.51	21.64	21.53	21.54	21.8	2	
5	64QAM	12	0	20.93	20.89	21.02	20.88	20.97			
5	64QAM	12	7	20.92	20.90	21.02	20.93	20.91	21.8	2	
5	64QAM	12	13	20.77	20.84	20.91	20.82	20.73			
5	64QAM	25	0	20.74	20.70	20.86	20.74	20.83	21.8	2	
Channel											
Frequency (MHz)											
5	QPSK	1	0	22.51	22.58	22.67	22.51	22.57	23.30	0	
5	QPSK	1	12	22.74	22.78	22.97	22.87	22.86			
5	QPSK	1	24	22.64	22.49	22.61	22.50	22.55	23.30	0	
5	QPSK	12	0	22.65	22.72	22.87	22.79	22.84			
5	QPSK	12	7	22.76	22.75	22.81	22.80	22.82	23.30	0	
5	QPSK	12	13	22.68	22.62	22.67	22.58	22.60			
5	QPSK	25	0	22.70	22.75	22.87	22.74	22.87	23.30	0	
5	16QAM	1	0	22.73	22.63	22.83	22.77	22.70			
5	16QAM	1	12	22.86	22.84	22.91	22.79	22.82	23.30	0	
5	16QAM	1	24	22.57	22.70	22.75	22.69	22.65			
5	16QAM	12	0	21.79	21.73	21.82	21.75	21.69	22.8	0.5	
5	16QAM	12	7	21.69	21.81	21.82	21.73	21.66			
5	16QAM	12	13	21.62	21.61	21.72	21.66	21.62	22.8	0.5	
5	16QAM	25	0	21.72	21.68	21.74	21.58	21.65			
5	64QAM	1	0	21.66	21.62	21.64	21.62	21.61	22.8	0.5	
5	64QAM	1	12	21.71	21.77	21.74	21.72	21.67			
5	64QAM	1	24	21.53	21.51	21.64	21.53	21.54	22.8	0.5	
5	64QAM	12	0	20.93	20.89	21.02	20.88	20.97			
5	64QAM	12	7	20.92	20.90	21.02	20.93	20.91	21.8	1.5	
5	64QAM	12	13	20.77	20.84	20.91	20.82	20.73			
5	64QAM	25	0	20.74	20.70	20.86	20.74	20.83	21.8	1.5	
Channel											
Frequency (MHz)											
5	QPSK	1	0	22.51	22.58	22.67	22.51	22.57	23.30	0	
5	QPSK	1	12	22.74	22.78	22.97	22.87	22.86			
5	QPSK	1	24	22.64	22.49	22.61	22.50	22.55	23.30	0	
5	QPSK	12	0	22.65	22.72	22.87	22.79	22.84			
5	QPSK	12	7	22.76	22.75	22.81	22.80	22.82	23.30	0	
5	QPSK	12	13	22.68	22.62	22.67	22.58	22.60			
5	QPSK	25	0	22.70	22.75	22.87	22.74	22.87			



DSI 5 Power

Table for Band 2_Ant14. Columns include BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch. (Freq), Power High Ch. (Freq), Power High Ch. (Power), Turn-up (dB), and MPR (dB). Rows list various channel configurations for QPSK and 16QAM.

Table for Band 2_Ant31. Columns include BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch. (Freq), Power High Ch. (Freq), Power High Ch. (Power), Turn-up (dB), and MPR (dB). Rows list various channel configurations for QPSK and 16QAM.

Table for Band 4_Ant14. Columns include BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch. (Freq), Power High Ch. (Freq), Power High Ch. (Power), Turn-up (dB), and MPR (dB). Rows list various channel configurations for QPSK and 16QAM.

Table for Band 4_Ant31. Columns include BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch. (Freq), Power High Ch. (Freq), Power High Ch. (Power), Turn-up (dB), and MPR (dB). Rows list various channel configurations for QPSK and 16QAM.



SECRET

Band 5_Ant11													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac)	Power Mid Ch. (Frac)	Power High Ch. (Frac)	Turn-up (dB)	MPR (dB)					
Channel													
Frequency (MHz)													
20450 20525 20600													
10	QPSK	1	0	19.33	19.51	19.73							
10	QPSK	1	25	19.53	19.70	19.87							
10	QPSK	1	49	19.48	19.57	19.65	20.8	0					
10	QPSK	25	0	19.44	19.46	19.39							
10	QPSK	25	12	19.39	19.51	19.47							
10	QPSK	25	25	19.34	19.34	19.42							
10	QPSK	50	0	19.39	19.44	19.29							
10	HQAM	1	0	19.47	19.54	19.50							
10	HQAM	1	25	19.52	19.45	19.48							
10	HQAM	1	49	19.47	19.55	19.54							
10	HQAM	25	0	19.42	19.36	19.58							
10	HQAM	25	12	19.29	19.54	19.39							
10	HQAM	25	25	19.48	19.56	19.48							
10	HQAM	50	0	19.54	19.45	19.44							
10	HQAM	50	12	19.39	19.51	19.45							
10	HQAM	50	25	19.38	19.46	19.24							
10	HQAM	1	49	19.52	19.43	19.46							
10	HQAM	25	0	19.38	19.51	19.48							
10	HQAM	25	12	19.50	19.53	19.29							
10	HQAM	25	25	19.48	19.46	19.32							
10	HQAM	50	0	19.47	19.59	19.38							
Channel													
Frequency (MHz)													
20615 20690 20765													
5	QPSK	1	0	19.44	19.50	19.24							
5	QPSK	1	12	19.29	19.57	19.29							
5	QPSK	1	24	19.39	19.44	19.36							
5	QPSK	12	0	19.40	19.44	19.33							
5	QPSK	12	7	19.43	19.41	19.41							
5	QPSK	12	13	19.28	19.52	19.27							
5	QPSK	25	0	19.33	19.47	19.38							
5	HQAM	1	0	19.38	19.48	19.54							
5	HQAM	1	12	19.35	19.39	19.44							
5	HQAM	1	24	19.37	19.43	19.46							
5	HQAM	12	0	19.34	19.46	19.53							
5	HQAM	12	7	19.37	19.46	19.43							
5	HQAM	12	13	19.28	19.52	19.43							
5	HQAM	25	0	19.30	19.53	19.29							
5	HQAM	25	12	19.48	19.45	19.30							
5	HQAM	25	25	19.38	19.50	19.35							
5	HQAM	1	12	19.28	19.35	19.23							
5	HQAM	1	24	19.42	19.49	19.44							
5	HQAM	12	0	19.47	19.51	19.51							
5	HQAM	12	7	19.46	19.54	19.54							
5	HQAM	12	13	19.49	19.45	19.49							
5	HQAM	25	0	19.38	19.45	19.38							
Channel													
Frequency (MHz)													
20830 20905 20980													
3	QPSK	1	0	19.37	19.48	19.32							
3	QPSK	1	8	19.31	19.53	19.26							
3	QPSK	1	14	19.45	19.47	19.38							
3	QPSK	8	0	19.37	19.44	19.38							
3	QPSK	8	4	19.32	19.44	19.35							
3	QPSK	8	7	19.23	19.36	19.29							
3	QPSK	16	0	19.38	19.37	19.22							
3	HQAM	1	0	19.42	19.36	19.45							
3	HQAM	1	8	19.47	19.43	19.51							
3	HQAM	1	14	19.35	19.54	19.54							
3	HQAM	8	0	19.40	19.51	19.43							
3	HQAM	8	4	19.34	19.44	19.36							
3	HQAM	8	7	19.40	19.47	19.38							
3	HQAM	16	0	19.42	19.53	19.47							
3	HQAM	1	0	19.28	19.35	19.35							
3	HQAM	1	8	19.38	19.47	19.26							
3	HQAM	1	14	19.50	19.37	19.40							
3	HQAM	8	0	19.36	19.55	19.38							
3	HQAM	8	4	19.33	19.53	19.47							
3	HQAM	8	7	19.37	19.44	19.29							
3	HQAM	16	0	19.40	19.49	19.37							
Channel													
Frequency (MHz)													
21045 21120 21195													
1.4	QPSK	1	0	19.31	19.45	19.37							
1.4	QPSK	1	3	19.31	19.57	19.39							
1.4	QPSK	1	5	19.45	19.42	19.37							
1.4	QPSK	3	0	19.27	19.33	19.29							
1.4	QPSK	3	3	19.31	19.39	19.38							
1.4	QPSK	3	3	19.28	19.30	19.27							
1.4	QPSK	6	0	19.28	19.33	19.19	20.9	0					
1.4	HQAM	1	0	19.43	19.48	19.55							
1.4	HQAM	1	3	19.45	19.37	19.52							
1.4	HQAM	1	5	19.48	19.51	19.48							
1.4	HQAM	3	0	19.44	19.45	19.53							
1.4	HQAM	3	1	19.27	19.50	19.36							
1.4	HQAM	3	3	19.37	19.44	19.40							
1.4	HQAM	6	0	19.39	19.43	19.40	20.9	0					
1.4	HQAM	1	0	19.36	19.56	19.41							
1.4	HQAM	1	3	19.25	19.39	19.20							
1.4	HQAM	1	5	19.48	19.35	19.43							
1.4	HQAM	3	0	19.32	19.52	19.48							
1.4	HQAM	3	1	19.36	19.43	19.53							
1.4	HQAM	3	3	19.34	19.41	19.21							
1.4	HQAM	6	0	19.48	19.48	19.45	20.9	0					

Band 5_Ant41													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac)	Power Mid Ch. (Frac)	Power High Ch. (Frac)	Turn-up (dB)	MPR (dB)					
Channel													
Frequency (MHz)													
20450 20525 20600													
10	QPSK	1	0	20.50	20.68	20.87							
10	QPSK	1	25	20.61	20.73	20.58							
10	QPSK	1	49	20.54	20.58	20.86	21.8	0					
10	QPSK	25	0	20.48	20.43	20.48							
10	QPSK	25	12	20.62	20.60	20.61							
10	QPSK	25	25	20.42	20.54	20.82							
10	QPSK	50	0	20.61	20.67	20.49							
10	HQAM	1	0	20.59	20.59	20.48							
10	HQAM	1	25	20.42	20.55	20.85							
10	HQAM	1	49	20.49	20.7	20.9							
10	HQAM	25	0	20.59	20.64	20.64							
10	HQAM	25	12	20.45	20.61	20.61							
10	HQAM	25	25	20.42	20.69	20.49							
10	HQAM	50	0	20.59	20.66	20.61							
10	HQAM	50	12	20.42	20.6	20.65							
10	HQAM	50	25	20.41	20.7	20.59							
10	HQAM	1	49	20.41	20.65	20.58							
10	HQAM	25	0	20.6	20.7	20.6							
10	HQAM	25	12	20.59	20.7	20.65							
10	HQAM	25	25	20.63	20.8	20.71							
10	HQAM	50	0	20.61	20.7	20.71							
Channel													
Frequency (MHz)													
20615 20690 20765													
5	QPSK	1	0	20.35	20.52	20.52							
5	QPSK	1	12	20.54	20.54	20.47							
5	QPSK	1	24	20.48	20.51	20.49							
5	QPSK	12	0	20.41	20.54	20.51							
5	QPSK	12	7	20.50	20.54	20.55							
5	QPSK	12	13	20.33	20.36	20.44							
5	QPSK	25	0	20.48	20.51	20.38							
5	HQAM	1	0	20.48	20.44	20.38							
5	HQAM	1	12	20.29	20.48	20.58							
5	HQAM	1	24	20.42	20.44	20.42							
5	HQAM	12	0	20.47	20.51	20.46							
5	HQAM	12	7	20.29	20.48	20.44							
5	HQAM	12	13	20.38	20.53	20.35							
5	HQAM	25	0	20.48	20.51	20.58							
5	HQAM	25	12	20.37	20.48	20.53							
5	HQAM	25	25	20.42	20.51	20.51							
5	HQAM	1	12	20.24	20.51	20.51							
5	HQAM	1	24	20.22	20.49	20.44							
5	HQAM	12	0	20.47	20.51	20.51							
5	HQAM	12	7	20.46	20.54	20.54							
5	HQAM	12	13	20.49	20.45	20.49							
5	HQAM	25	0	20.48	20.51	20.58							
Channel													
Frequency (MHz)													
20830 20905 20980													
3	QPSK	1	0	20.32	20.59	20.61							
3	QPSK	1	8	20.54	20.44	20.39							
3	QPSK	1	14	20.47	20.40	20.49							
3	QPSK	8	0	20.41	20.43	20.33							
3	QPSK	8	4	20.44	20.50	20.48							
3	QPSK	8	7	20.27	20.39	20.56							
3	QPSK	16	0	20.32	20.61	20.41							
3	HQAM	1	0	20.48	20.43	20.36							
3	HQAM	1	8	20.34	20.49	20.38							
3	HQAM	1	14	20.43	20.43	20.53							
3	HQAM	8	0	20.39	20.47	20.40							
3	HQAM	8	4	20.37	20.42	20.38							
3	HQAM	8	7	20.32	20.63	20.30							
3	HQAM	16	0	20.36	20.54	20.41							
3	HQAM	1	0	20.33	20.52	20.46							
3	HQAM	1	8	20.29	20.48	20.46							
3	HQAM	1	14	20.33	20.50	20.46							
3	HQAM	8	0	20.49	20.50	20.69							
3	HQAM	8	4	20.63	20.45	20.61							
3	HQAM	8	7	20.62	20.67	20.66							
3	HQAM	16	0	20.33	20.47	20.63							
Channel													
Frequency (MHz)													
21045 21120 21195													
1.4	QPSK	1	0	20.50	20.55	20.57							
1.4	QPSK	1	3	20.65	20.58	20.48							
1.4	QPSK	1	5	20.43	20.49	20.49							



Band 66_Ant14										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac)	Power Middle Ch. (Frac)	Power High Ch. (Frac)	Take-up (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	16.30	16.40	16.54				
20	QPSK	1	40	16.43	16.55	16.51	17.5	0		
20	QPSK	1	80	16.36	16.46	16.27				
20	QPSK	50	0	16.40	16.50	16.40				
20	QPSK	50	20	16.32	16.40	16.28	17.5	0		
20	QPSK	50	50	16.44	16.57	16.44				
20	QPSK	100	0	16.41	16.50	16.41				
20	16QAM	1	0	16.42	16.48	16.49				
20	16QAM	1	40	16.52	16.50	16.57	17.5	0		
20	16QAM	1	80	16.41	16.49	16.35				
20	16QAM	50	0	16.40	16.50	16.40				
20	16QAM	50	20	16.43	16.48	16.41	17.5	0		
20	16QAM	50	50	16.33	16.33	16.46				
20	16QAM	100	0	16.45	16.49	16.44				
20	16QAM	1	0	16.42	16.48	16.41				
20	16QAM	1	40	16.42	16.55	16.47	17.5	0		
20	16QAM	1	80	16.20	16.39	16.27				
20	16QAM	50	0	16.44	16.48	16.52				
20	16QAM	50	20	16.51	16.49	16.45	17.5	0		
20	16QAM	50	50	16.44	16.57	16.48				
20	16QAM	100	0	16.45	16.48	16.39				
Channel										
Frequency (MHz)										
15	QPSK	1	0	16.21	16.42	16.23				
15	QPSK	1	37	16.34	16.52	16.43	17.5	0		
15	QPSK	1	74	16.20	16.40	16.20				
15	QPSK	36	0	16.38	16.50	16.32				
15	QPSK	36	20	16.46	16.45	16.31	17.5	0		
15	QPSK	36	36	16.25	16.40	16.24				
15	QPSK	36	54	16.35	16.46	16.31				
15	16QAM	1	0	16.31	16.37	16.22				
15	16QAM	1	37	16.39	16.39	16.43	17.5	0		
15	16QAM	1	74	16.23	16.36	16.20				
15	16QAM	36	0	16.38	16.40	16.38				
15	16QAM	36	20	16.36	16.40	16.31	17.5	0		
15	16QAM	36	36	16.16	16.36	16.35				
15	16QAM	36	54	16.27	16.49	16.28				
15	16QAM	1	0	16.25	16.28	16.33				
15	16QAM	1	37	16.25	16.47	16.38	17.5	0		
15	16QAM	1	74	16.07	16.20	16.12				
15	16QAM	36	0	16.36	16.39	16.28				
15	16QAM	36	20	16.34	16.49	16.28	17.5	0		
15	16QAM	36	36	16.33	16.43	16.36				
15	16QAM	36	54	16.36	16.51	16.20				
Channel										
Frequency (MHz)										
10	QPSK	1	0	16.25	16.39	16.28				
10	QPSK	1	40	16.32	16.42	16.28	17.5	0		
10	QPSK	1	80	16.14	16.28	16.17				
10	QPSK	25	0	16.34	16.44	16.42				
10	QPSK	25	12	16.37	16.35	16.37	17.5	0		
10	QPSK	25	25	16.27	16.41	16.28				
10	QPSK	50	0	16.29	16.40	16.31				
10	16QAM	1	0	16.26	16.40	16.30				
10	16QAM	1	20	16.36	16.39	16.38	17.5	0		
10	16QAM	1	40	16.33	16.43	16.19				
10	16QAM	25	0	16.39	16.45	16.39				
10	16QAM	25	12	16.31	16.42	16.30	17.5	0		
10	16QAM	25	25	16.13	16.36	16.20				
10	16QAM	50	0	16.37	16.40	16.20				
10	16QAM	1	0	16.18	16.32	16.31				
10	16QAM	1	20	16.23	16.49	16.21	17.5	0		
10	16QAM	1	40	16.00	16.25	16.09				
10	16QAM	25	0	16.35	16.35	16.45				
10	16QAM	25	12	16.40	16.40	16.28	17.5	0		
10	16QAM	25	25	16.25	16.44	16.18				
10	16QAM	50	0	16.27	16.42	16.33				
Channel										
Frequency (MHz)										
5	QPSK	1	0	16.30	16.41	16.23				
5	QPSK	1	12	16.27	16.50	16.33	17.5	0		
5	QPSK	1	24	16.12	16.40	16.13				
5	QPSK	12	0	16.42	16.44	16.41				
5	QPSK	12	7	16.41	16.35	16.33	17.5	0		
5	QPSK	12	14	16.20	16.32	16.33				
5	QPSK	25	0	16.25	16.40	16.25				
5	16QAM	1	0	16.26	16.37	16.28				
5	16QAM	1	12	16.44	16.31	16.48	17.5	0		
5	16QAM	1	24	16.35	16.29	16.18				
5	16QAM	12	0	16.43	16.43	16.41				
5	16QAM	12	7	16.33	16.51	16.28	17.5	0		
5	16QAM	12	14	16.20	16.34	16.34				
5	16QAM	25	0	16.25	16.41	16.36				
5	16QAM	1	0	16.26	16.37	16.20				
5	16QAM	1	12	16.25	16.49	16.41	17.5	0		
5	16QAM	1	24	16.05	16.19	16.14				
5	16QAM	12	0	16.29	16.36	16.43				
5	16QAM	12	7	16.35	16.41	16.25	17.5	0		
5	16QAM	12	14	16.37	16.41	16.33				
5	16QAM	25	0	16.34	16.39	16.20				
Channel										
Frequency (MHz)										
10	QPSK	1	0	16.32	16.36	16.20				
10	QPSK	1	8	16.26	16.45	16.43	17.5	0		
10	QPSK	1	16	16.14	16.31	16.00				
10	QPSK	8	0	16.29	16.36	16.34				
10	QPSK	8	4	16.32	16.47	16.29	17.5	0		
10	QPSK	8	7	16.36	16.37	16.28				
10	QPSK	16	0	16.26	16.26	16.23				
10	16QAM	1	0	16.28	16.38	16.32				
10	16QAM	1	8	16.44	16.39	16.42	17.5	0		
10	16QAM	1	16	16.31	16.29	16.20				
10	16QAM	8	0	16.33	16.45	16.37				
10	16QAM	8	4	16.34	16.49	16.31	17.5	0		
10	16QAM	8	7	16.20	16.35	16.39				
10	16QAM	16	0	16.25	16.33	16.29				
10	16QAM	1	0	16.24	16.42	16.29				
10	16QAM	1	8	16.31	16.38	16.29	17.5	0		
10	16QAM	1	16	16.05	16.26	16.15				
10	16QAM	8	0	16.28	16.40	16.37				
10	16QAM	8	4	16.37	16.39	16.33	17.5	0		
10	16QAM	8	7	16.26	16.46	16.32				
10	16QAM	16	0	16.26	16.44	16.31				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	16.32	16.43	16.22				
1.4	QPSK	1	3	16.30	16.46	16.30				
1.4	QPSK	1	6	16.15	16.26	16.17	17.5	0		
1.4	QPSK	3	0	16.39	16.41	16.38				
1.4	QPSK	3	1	16.36	16.45	16.39				
1.4	QPSK	3	3	16.25	16.36	16.37				
1.4	QPSK	6	0	16.22	16.45	16.25	17.5	0		
1.4	16QAM	1	0	16.34	16.37	16.20				
1.4	16QAM	1	3	16.30	16.39	16.28				
1.4	16QAM	1	6	16.30	16.29	16.29	17.5	0		
1.4	16QAM	3	0	16.33	16.42	16.42				
1.4	16QAM	3	1	16.29	16.47	16.34				
1.4	16QAM	3	3	16.24	16.36	16.37				
1.4	16QAM	6	0	16.30	16.39	16.34	17.5	0		
1.4	16QAM	1	0	16.25	16.20	16.27				
1.4	16QAM	1	3	16.26	16.41	16.32				
1.4	16QAM	1	6	16.03	16.22	16.20	17.5	0		
1.4	16QAM	3	0	16.29	16.39	16.37				
1.4	16QAM	3	1	16.40	16.41	16.34				
1.4	16QAM	3	3	16.26	16.48	16.33				
1.4	16QAM	6	0	16.37	16.50	16.19	17.5	0		

Band 66_Ant31										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac)	Power Middle Ch. (Frac)	Power High Ch. (Frac)	Take-up (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	15.94	15.96	15.99				
20	QPSK	1	40	16.11	16.18	16.12	17	0		
20	QPSK	1	80	16.01	16.00	16.03				
20	QPSK	50	0	16.03	16.12	16.08				
20	QPSK	50	24	16.02	16.04	15.96	17	0		
20	QPSK	50	50	16.05	16.09	16.03				
20	QPSK	100	0	15.98	16.07	16.05				
20	16QAM	1	0	16.05	16.05	15.98				
20	16QAM	1	40	16.08	16.15	16.05	17	0		
20	16QAM	1	80	15.94	16.03	15.94				
20	16QAM	50	0	16.01	16.06	16.06				
20	16QAM	50	24	16.02	16.08	16.02	17	0		
20	16QAM	50	50	16.03	16.06	15.98				
20	16QAM	100	0	16.00	16.09	16.09				
20	16QAM	1	0	16.03	16.07	15.97				
20	16QAM	1	40	16.06	16.08	15.98	17	0		
20	16QAM	1	80	15.89	16.04	15.92				
20	16QAM	50	0	16.02	16.06	16.01		</		



Band 38_Ant31									
BW [MHz]	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	19.81	19.78	19.73	20.8	0	
20	QPSK	1	49	19.11	20.05	20.04			
20	QPSK	1	99	19.91	19.86	19.85			
20	QPSK	50	0	19.89	19.88	19.84	20.8	0	
20	QPSK	50	24	19.88	19.94	19.92			
20	QPSK	50	50	19.88	19.80	19.78			
20	QPSK	100	0	19.98	19.96	19.93	20.8	0	
20	16QAM	1	0	19.99	19.94	19.93			
20	16QAM	1	49	20.10	20.03	20.06			
20	16QAM	1	99	19.98	19.90	19.88	20.8	0	
20	16QAM	50	0	19.96	19.96	19.96			
20	16QAM	50	24	19.96	19.88	19.90			
20	16QAM	50	50	19.87	19.86	19.81	20.8	0	
20	16QAM	100	0	19.99	19.91	19.91			
20	64QAM	1	0	19.88	19.82	19.84			
20	64QAM	1	49	20.01	20.00	19.99	20.8	0	
20	64QAM	1	99	19.91	19.81	19.81			
20	64QAM	50	0	19.96	19.95	19.86			
20	64QAM	50	24	19.99	19.95	19.90	20.8	0	
20	64QAM	50	50	19.89	19.88	19.81			
20	64QAM	100	0	19.92	19.90	19.93			
Channel				37925	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	19.74	19.67	19.63	20.8	0	
15	QPSK	1	37	20.08	19.98	20.01			
15	QPSK	1	74	19.81	19.80	19.73			
15	QPSK	36	0	19.94	19.91	19.87	20.8	0	
15	QPSK	36	20	19.94	19.91	19.86			
15	QPSK	36	39	19.86	19.72	19.67			
15	QPSK	75	0	19.88	19.85	19.83	20.8	0	
15	16QAM	1	0	19.96	19.86	19.86			
15	16QAM	1	37	20.00	19.98	19.97			
15	16QAM	1	74	19.94	19.87	19.87	20.8	0	
15	16QAM	36	0	19.87	19.88	19.88			
15	16QAM	36	20	19.96	19.76	19.86			
15	16QAM	36	39	19.78	19.77	19.76	20.8	0	
15	16QAM	75	0	19.93	19.82	19.83			
15	64QAM	1	0	19.85	19.80	19.78			
15	64QAM	1	37	19.96	19.96	19.93	20.8	0	
15	64QAM	1	74	19.84	19.74	19.69			
15	64QAM	36	0	19.87	19.83	19.81			
15	64QAM	36	20	19.94	19.92	19.76	20.8	0	
15	64QAM	36	39	19.82	19.83	19.70			
15	64QAM	75	0	19.86	19.83	19.76			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	19.69	19.66	19.66	20.8	0	
10	QPSK	1	25	20.06	19.93	19.95			
10	QPSK	1	49	19.83	19.82	19.76			
10	QPSK	25	0	19.91	19.88	19.86	20.8	0	
10	QPSK	25	12	19.86	19.86	19.78			
10	QPSK	25	25	19.82	19.73	19.73			
10	QPSK	50	0	19.89	19.82	19.83	20.8	0	
10	16QAM	1	0	19.87	19.83	19.84			
10	16QAM	1	25	19.96	19.98	19.99			
10	16QAM	1	49	19.88	19.80	19.85	20.8	0	
10	16QAM	25	0	19.85	19.91	19.92			
10	16QAM	25	12	19.84	19.81	19.82			
10	16QAM	25	25	19.77	19.80	19.73	20.8	0	
10	16QAM	50	0	19.90	19.77	19.80			
10	64QAM	1	0	19.74	19.73	19.72			
10	64QAM	1	25	19.87	19.94	19.95	20.8	0	
10	64QAM	1	49	19.78	19.77	19.70			
10	64QAM	25	0	19.90	19.90	19.79			
10	64QAM	25	12	19.94	19.81	19.83	20.8	0	
10	64QAM	25	25	19.76	19.82	19.67			
10	64QAM	50	0	19.88	19.81	19.74			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	19.70	19.68	19.69	20.8	0	
5	QPSK	1	12	20.02	19.94	20.00			
5	QPSK	1	24	19.84	19.74	19.80			
5	QPSK	12	0	19.89	19.87	19.84	20.8	0	
5	QPSK	12	7	19.84	19.87	19.83			
5	QPSK	12	13	19.74	19.68	19.68			
5	QPSK	25	0	19.91	19.89	19.87	20.8	0	
5	16QAM	1	0	19.86	19.85	19.86			
5	16QAM	1	12	20.02	19.89	19.92			
5	16QAM	1	24	19.89	19.84	19.86	20.8	0	
5	16QAM	12	0	19.88	19.82	19.83			
5	16QAM	12	7	19.92	19.79	19.76			
5	16QAM	12	13	19.73	19.75	19.77	20.8	0	
5	16QAM	25	0	19.92	19.80	19.81			
5	64QAM	1	0	19.84	19.68	19.77			
5	64QAM	1	12	19.91	19.91	19.93	20.8	0	
5	64QAM	1	24	19.84	19.73	19.76			
5	64QAM	12	0	19.84	19.86	19.77			
5	64QAM	12	7	19.93	19.86	19.79	20.8	0	
5	64QAM	12	13	19.77	19.84	19.67			
5	64QAM	25	0	19.78	19.83	19.79			

Band 38_Ant14									
BW [MHz]	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	19.13	19.05	19.10	20.3	0	
20	QPSK	1	49	19.31	19.23	19.21			
20	QPSK	1	99	19.06	19.06	18.96			
20	QPSK	50	0	19.16	19.15	19.04	20.3	0	
20	QPSK	50	24	19.11	19.02	19.04			
20	QPSK	50	50	19.05	19.03	19.00			
20	QPSK	100	0	19.13	19.11	19.12	20.3	0	
20	16QAM	1	0	19.16	19.15	19.08			
20	16QAM	1	49	19.24	19.24	19.19			
20	16QAM	1	99	19.16	19.14	19.13	20.3	0	
20	16QAM	50	0	19.12	19.09	19.05			
20	16QAM	50	24	19.16	19.11	19.15			
20	16QAM	50	50	19.06	18.99	19.06	20.3	0	
20	16QAM	100	0	19.16	19.10	19.08			
20	64QAM	1	0	19.16	19.11	19.09			
20	64QAM	1	49	19.28	19.18	19.28	20.3	0	
20	64QAM	1	99	19.14	19.11	19.07			
20	64QAM	50	0	19.13	19.04	19.13			
20	64QAM	50	24	19.18	19.12	19.13	20.3	0	
20	64QAM	50	50	19.08	19.02	19.08			
20	64QAM	100	0	19.13	19.07	19.06			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	19.07	18.93	18.99	20.3	0	
15	QPSK	1	37	19.23	19.16	19.19			
15	QPSK	1	74	19.00	18.96	18.89			
15	QPSK	36	0	19.11	19.09	18.98	20.3	0	
15	QPSK	36	20	19.00	18.91	18.95			
15	QPSK	36	39	18.94	18.96	18.90			
15	QPSK	75	0	19.08	19.04	19.06	20.3	0	
15	16QAM	1	0	19.12	19.04	19.07			
15	16QAM	1	37	19.17	19.13	19.13			
15	16QAM	1	74	19.06	19.08	19.06	20.3	0	
15	16QAM	36	0	19.03	18.99	18.88			
15	16QAM	36	20	19.10	19.06	19.12			
15	16QAM	36	39	18.96	18.97	19.02	20.3	0	
15	16QAM	75	0	19.07	19.02	18.99			
15	64QAM	1	0	19.06	19.09	19.05			
15	64QAM	1	37	19.18	19.06	19.26	20.3	0	
15	64QAM	1	74	19.07	19.02	18.97			
15	64QAM	36	0	19.10	18.93	19.02			
15	64QAM	36	20	19.12	19.07	19.04	20.3	0	
15	64QAM	36	39	19.00	18.95	18.99			
15	64QAM	75	0	19.07	18.98	19.04			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	18.99	18.97	19.02	20.3	0	
10	QPSK	1	25	19.26	19.18	19.16			
10	QPSK	1	49	18.98	18.92	18.85			
10	QPSK	25	0	19.09	19.05	18.99	20.3	0	
10	QPSK	25	12	19.07	18.94	18.91			
10	QPSK	25	25	18.96	18.96	18.91			
10	QPSK	50	0	18.99	18.98	19.03	20.3	0	
10	16QAM	1	0	19.05	19.08	18.99			
10	16QAM	1	25	19.18	19.11	19.10			
10	16QAM	1	49	19.06	19.06	19.02	20.3	0	
10	16QAM	25	0	19.00	19.05	19.01			
10	16QAM	25	12	19.02	19.07	19.02			
10	16QAM	25	25	19.00	18.87	19.02	20.3	0	
10	16QAM	50	0	19.04	18.98	18.94			
10	64QAM	1	0	19.07	19.04	18.96			
10	64QAM	1	25	19.24	19.13	19.18	20.3	0	
10	64QAM	1	49	19.07	19.01	18.95			
10	64QAM	25	0	19.08	18.96	19.01			
10	64QAM	25	12	19.14	19.03	19.08	20.3	0	
10	64QAM	25	25	19.00	18.90	19.00			
10	64QAM	50	0	19.06	19.00	18.99			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	19.00	18.94	18.99	20.3	0	
5	QPSK	1	12	19.27	19				



Band 41_Ant31

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)				39750	40185	40620	41055	41490		
20	QPSK	1	0	19.84	20.01	20.02	19.93	19.97	20.8	0
20	QPSK	1	49	19.88	19.99	20.12	20.02	20.03		
20	QPSK	1	99	19.74	19.79	19.83	19.74	19.82	20.8	0
20	QPSK	50	0	19.83	19.90	20.04	19.91	19.99		
20	QPSK	50	24	19.97	19.98	20.02	19.96	19.97	20.8	0
20	QPSK	50	50	19.87	19.91	19.91	19.86	19.90		
20	QPSK	100	0	19.87	19.88	20.01	19.92	20.00	20.8	0
20	16QAM	1	0	19.84	19.91	19.98	19.96	19.93		
20	16QAM	1	49	20.08	20.09	20.11	20.07	20.09	20.8	0
20	16QAM	1	99	19.83	19.85	19.91	19.82	19.83		
20	16QAM	50	0	19.87	19.97	20.01	19.99	19.92	20.8	0
20	16QAM	50	24	19.94	20.03	20.03	19.93	19.97		
20	16QAM	50	50	19.85	19.88	19.90	19.89	19.85	20.8	0
20	16QAM	100	0	19.85	19.92	19.95	19.94	19.91		
20	64QAM	1	0	19.79	19.84	19.88	19.84	19.83	20.8	0
20	64QAM	1	49	19.89	19.93	20.01	19.92	19.99		
20	64QAM	1	99	19.78	19.84	19.84	19.78	19.83	20.8	0
20	64QAM	50	0	19.84	20.01	20.03	19.95	19.94		
20	64QAM	50	24	19.99	20.03	20.04	20.03	20.04	20.8	0
20	64QAM	50	50	19.83	19.92	19.93	19.87	19.89		
20	64QAM	100	0	19.87	19.88	19.95	19.90	19.85	20.8	0
Channel				39755	40193	40620	41063	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.5	2692.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	19.87	19.91	19.91	19.85	19.89	20.80	0
15	QPSK	1	37	19.92	19.93	20.07	19.97	19.97		
15	QPSK	1	74	19.63	19.77	19.74	19.69	19.68	20.8	0
15	QPSK	36	0	19.73	19.80	19.96	19.81	19.86		
15	QPSK	36	20	19.91	19.91	19.99	19.82	19.85	20.8	0
15	QPSK	36	39	19.63	19.82	19.79	19.72	19.78		
15	QPSK	75	0	19.79	19.77	19.89	19.82	19.87	20.8	0
15	16QAM	1	0	19.84	19.80	19.86	19.86	19.86		
15	16QAM	1	37	20.04	20.03	19.99	20.02	19.95	20.8	0
15	16QAM	1	74	19.78	19.74	19.82	19.70	19.73		
15	16QAM	36	0	19.87	19.93	19.96	19.89	19.84	20.8	0
15	16QAM	36	20	19.85	19.92	19.96	19.83	19.93		
15	16QAM	36	39	19.82	19.82	19.80	19.79	19.80	20.8	0
15	16QAM	75	0	19.80	19.86	19.90	19.80	19.78		
15	64QAM	1	0	19.71	19.77	19.86	19.77	19.78	20.8	0
15	64QAM	1	37	19.97	19.81	19.95	19.82	19.86		
15	64QAM	1	74	19.76	19.74	19.73	19.71	19.75	20.8	0
15	64QAM	36	0	19.80	19.83	19.95	19.89	19.84		
15	64QAM	36	20	19.84	19.95	20.00	19.92	19.96	20.8	0
15	64QAM	36	39	19.81	19.82	19.88	19.81	19.78		
15	64QAM	75	0	19.81	19.82	19.93	19.86	19.91	20.8	0
Channel				39790	40160	40620	41080	41540		
Frequency (MHz)				2501	2547	2593	2639	2685	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	19.86	19.95	19.93	19.88	19.87	20.80	0
10	QPSK	1	25	19.91	19.93	20.02	19.95	19.97		
10	QPSK	1	49	19.65	19.75	19.75	19.69	19.68	20.8	0
10	QPSK	25	0	19.74	19.78	19.94	19.77	19.95		
10	QPSK	25	12	19.83	19.87	19.86	19.82	19.83	20.8	0
10	QPSK	25	25	19.77	19.80	19.83	19.80	19.85		
10	QPSK	50	0	19.75	19.83	19.92	19.83	19.86	20.8	0
10	16QAM	1	0	19.85	19.83	19.86	19.87	19.83		
10	16QAM	1	25	20.00	20.03	20.07	19.95	19.99	20.8	0
10	16QAM	1	49	19.77	19.77	19.79	19.69	19.75		
10	16QAM	25	0	19.93	19.91	19.90	19.91	19.85	20.8	0
10	16QAM	25	12	19.83	19.99	19.90	19.82	19.83		
10	16QAM	25	25	19.76	19.83	19.81	19.83	19.74	20.8	0
10	16QAM	50	0	19.85	19.82	19.90	19.90	19.84		
10	64QAM	1	0	19.74	19.77	19.76	19.73	19.71	20.8	0
10	64QAM	1	25	19.88	19.87	19.90	19.87	19.87		
10	64QAM	1	49	19.70	19.74	19.70	19.70	19.69	20.8	0
10	64QAM	25	0	19.81	19.95	19.98	19.83	19.87		
10	64QAM	25	12	19.85	19.96	19.93	19.97	19.92	20.8	0
10	64QAM	25	25	19.79	19.85	19.85	19.78	19.82		
10	64QAM	50	0	19.81	19.77	19.88	19.85	19.81	20.8	0
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	19.88	19.96	19.89	19.83	19.86	20.80	0
5	QPSK	1	12	19.84	19.89	20.06	19.96	19.96		
5	QPSK	1	24	19.65	19.73	19.77	19.68	19.75	20.8	0
5	QPSK	12	0	19.76	19.84	19.90	19.81	19.87		
5	QPSK	12	7	19.84	19.88	19.88	19.86	19.88	20.8	0
5	QPSK	12	13	19.73	19.87	19.79	19.79	19.86		
5	QPSK	25	0	19.78	19.83	19.96	19.80	19.93	20.8	0
5	16QAM	1	0	19.83	19.79	19.84	19.90	19.83		
5	16QAM	1	12	20.01	20.01	20.02	19.93	20.00	20.8	0
5	16QAM	1	24	19.70	19.71	19.86	19.73	19.77		
5	16QAM	12	0	19.87	19.90	19.93	19.86	19.82	20.8	0
5	16QAM	12	7	19.81	19.97	19.99	19.83	19.83		
5	16QAM	12	13	19.74	19.78	19.79	19.80	19.76	20.8	0
5	16QAM	25	0	19.88	19.86	19.84	19.80	19.84		
5	64QAM	1	0	19.73	19.79	19.75	19.72	19.71	20.8	0
5	64QAM	1	12	19.89	19.79	19.95	19.84	19.90		
5	64QAM	1	24	19.65	19.74	19.74	19.66	19.75	20.8	0
5	64QAM	12	0	19.83	19.90	19.89	19.88	19.87		
5	64QAM	12	7	19.95	19.92	19.95	19.92	19.99	20.8	0
5	64QAM	12	13	19.69	19.86	19.85	19.82	19.83		
5	64QAM	25	0	19.79	19.82	19.86	19.82	19.81	20.8	0
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	19.85	19.96	19.96	19.85	19.88	20.30	0
5	QPSK	1	12	19.16	19.15	19.24	19.19	19.17		
5	QPSK	1	24	18.99	19.97	19.00	18.95	18.93	20.3	0
5	QPSK	12	0	19.06	19.16	19.17	19.15	19.21		
5	QPSK	12	7	19.06	19.88	19.17	19.09	19.09	20.3	0
5	QPSK	12	13	19.03	19.85	19.07	18.92	19.01		
5	QPSK	25	0	19.07	19.11	19.21	19.16	19.14	20.3	0
5	16QAM	1	0	19.04	19.03	19.18	19.14	19.12		
5	16QAM	1	12	19.12	19.24	19.22	19.16	19.21	20.3	0
5	16QAM	1	24	18.96	18.94	19.02	18.97	18.97		
5	16QAM	12	0	19.11	19.17	19.12	19.14	19.10	20.3	0
5	16QAM	12	7	19.11	19.09	19.12	19.11	19.10		
5	16QAM	12	13	19.06	19.01	19.10	19.01	19.00	20.3	0
5	16QAM	25	0	19.08	19.16	19.14	19.17	19.04		
5	64QAM	1	0	19.04	18.97	19.05	18.99	18.99	20.3	0
5	64QAM	1	12	19.18	19.12	19.24	19.17	19.14		
5	64QAM	1	24	18.96	18.95	19.04	18.93	18.99	20.3	0
5	64QAM	12	0	19.09	19.11	19.18	19.10	19.11		
5	64QAM	12	7	19.15	19.14	19.13	19.06	19.05	20.3	0
5	64QAM	12	13	18.94	19.11	19.09	19.05	19.01		
5	64QAM	25	0	19.02	19.06	19.14	19.09	19.04	20.3	0
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	Tune-up limit (dBm)	MPR (dB)



DSI 6 Power

Band 2_Ant14									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./Freq.	Power Pdsch Ch./Freq.	Power PDSCH Ch./Freq.	Power PDSCH Ch./Freq.	Time-Int. (sec)	MFR (dB)
20	QPSK	1	0	18.17	18.24	18.22			0
20	QPSK	1	49	18.22	18.28	18.21		17.5	0
20	QPSK	50	0	18.16	18.21	18.10			0
20	QPSK	50	24	18.19	18.23	18.12		17.5	0
20	QPSK	100	0	18.15	18.18	18.16			0
20	HQAM	1	0	18.20	18.21	18.22			0
20	HQAM	1	49	18.20	18.22	18.23		17.5	0
20	HQAM	50	0	18.27	18.30	18.24			0
20	HQAM	50	24	18.18	18.29	18.21		17.5	0
20	HQAM	100	0	18.24	18.32	18.29			0
20	HQAM	1	0	18.22	18.21	18.18			0
20	HQAM	1	49	18.24	18.35	18.23		17.5	0
20	HQAM	50	0	18.29	18.34	18.21			0
20	HQAM	50	24	18.24	18.35	18.34		17.5	0
20	HQAM	100	0	18.27	18.34	18.28			0
20	HQAM	100	0	18.21	18.34	18.28			0
15	QPSK	1	0	18.17	18.20	18.19			0
15	QPSK	1	37	18.16	18.27	18.28		17.5	0
15	QPSK	1	74	18.06	18.10	18.07			0
15	QPSK	38	0	18.02	18.10	18.00			0
15	QPSK	38	19	18.14	18.10	18.12		17.5	0
15	QPSK	75	0	18.00	18.24	18.14			0
15	HQAM	1	0	18.19	18.21	18.13			0
15	HQAM	1	37	18.24	18.21	18.08		17.5	0
15	HQAM	1	74	18.05	18.21	18.03			0
15	HQAM	38	0	18.15	18.28	18.13			0
15	HQAM	38	19	18.07	18.15	18.12		17.5	0
15	HQAM	75	0	18.04	18.16	18.05			0
15	HQAM	75	0	18.12	18.20	18.14			0
15	HQAM	1	0	18.19	18.28	18.09			0
15	HQAM	1	37	18.17	18.12	18.08		17.5	0
15	HQAM	1	74	18.07	18.12	18.08			0
15	HQAM	38	0	18.17	18.31	18.13			0
15	HQAM	38	19	18.07	18.22	18.21		17.5	0
15	HQAM	75	0	18.07	18.21	18.25			0
10	QPSK	1	0	18.07	18.11	18.11			0
10	QPSK	1	25	18.14	18.08	18.16		17.5	0
10	QPSK	1	49	18.01	18.03	18.08			0
10	QPSK	1	74	18.09	18.05	18.06			0
10	QPSK	25	0	18.00	18.00	18.03			0
10	QPSK	25	12	18.03	18.18	18.12		17.5	0
10	QPSK	50	0	18.00	18.18	18.10			0
10	QPSK	50	12	18.11	18.30	18.15		17.5	0
10	HQAM	1	0	18.15	18.23	18.20			0
10	HQAM	1	49	18.07	18.17	18.13		17.5	0
10	HQAM	25	0	18.07	18.27	18.25			0
10	HQAM	25	12	18.03	18.24	18.12		17.5	0
10	HQAM	50	0	18.07	18.28	18.07			0
10	HQAM	50	12	18.09	18.22	18.26		17.5	0
10	HQAM	1	0	18.21	18.20	18.07			0
10	HQAM	1	25	18.15	18.24	18.19		17.5	0
10	HQAM	1	49	18.07	18.12	18.12			0
10	HQAM	1	74	18.12	18.23	18.19		17.5	0
10	HQAM	25	0	18.12	18.28	18.19			0
10	HQAM	25	12	18.05	18.22	18.25		17.5	0
10	HQAM	50	0	18.14	18.25	18.24			0
5	QPSK	1	0	18.10	18.11	18.08			0
5	QPSK	1	12	18.16	18.21	18.27		17.5	0
5	QPSK	1	25	18.04	18.18	18.06			0
5	QPSK	12	0	18.07	18.17	18.06			0
5	QPSK	12	7	18.14	18.08	18.04		17.5	0
5	QPSK	25	0	18.02	18.16	18.06			0
5	HQAM	1	0	18.17	18.29	18.09			0
5	HQAM	1	12	18.16	18.27	18.16		17.5	0
5	HQAM	12	0	18.14	18.14	18.06			0
5	HQAM	12	0	18.20	18.21	18.13			0
5	HQAM	12	7	18.10	18.14	18.17		17.5	0
5	HQAM	25	0	18.09	18.26	18.08			0
5	HQAM	25	0	18.20	18.24	18.23			0
5	HQAM	1	0	18.14	18.23	18.08			0
5	HQAM	1	12	18.19	18.29	18.11		17.5	0
5	HQAM	12	0	18.19	18.25	18.15			0
5	HQAM	12	0	18.25	18.29	18.18			0
5	HQAM	12	7	18.11	18.20	18.25		17.5	0
5	HQAM	25	0	18.17	18.28	18.19			0
5	HQAM	25	0	18.23	18.31	18.25		17.5	0
5	HQAM	25	7	18.13	18.31	18.30			0
5	HQAM	12	0	18.21	18.31	18.23		17.5	0
5	HQAM	25	0	18.28	18.38	18.25			0
3	QPSK	1	0	18.15	18.18	18.15			0
3	QPSK	1	8	18.19	18.28	18.21		17.5	0
3	QPSK	1	14	18.11	18.27	18.28			0
3	QPSK	8	0	18.07	18.17	18.08			0
3	QPSK	8	4	18.20	18.28	18.27		17.5	0
3	QPSK	8	7	18.19	18.22	18.20			0
3	QPSK	15	0	18.22	18.30	18.20			0
3	HQAM	1	0	18.26	18.34	18.28			0
3	HQAM	1	8	18.24	18.35	18.21		17.5	0
3	HQAM	1	14	18.28	18.31	18.21			0
3	HQAM	8	0	18.15	18.31	18.24			0
3	HQAM	8	4	18.20	18.28	18.20		17.5	0
3	HQAM	8	7	18.24	18.28	18.20			0
3	HQAM	15	0	18.20	18.28	18.19			0
3	HQAM	1	0	18.23	18.30	18.25			0
3	HQAM	1	8	18.31	18.42	18.27		17.5	0
3	HQAM	1	14	18.17	18.23	18.12			0
3	HQAM	8	0	18.17	18.35	18.18			0
3	HQAM	8	4	18.26	18.28	18.24		17.5	0
3	HQAM	8	7	18.23	18.29	18.27			0
3	HQAM	15	0	18.28	18.36	18.28			0
1.4	QPSK	1	0	18.14	18.24	18.19			0
1.4	QPSK	1	3	18.21	18.22	18.17			0
1.4	QPSK	1	5	18.07	18.04	18.04		17.5	0
1.4	QPSK	3	0	18.19	18.19	18.05			0
1.4	QPSK	3	1	18.07	18.20	18.00			0
1.4	QPSK	3	3	18.06	18.09	18.12		17.5	0
1.4	QPSK	3	8	18.09	18.23	18.05			0
1.4	QPSK	3	8	18.11	18.21	18.12		17.5	0
1.4	HQAM	1	0	18.20	18.24	18.18			0
1.4	HQAM	1	3	18.14	18.12	18.11		17.5	0
1.4	HQAM	3	0	18.26	18.28	18.14			0
1.4	HQAM	3	1	18.10	18.21	18.16			0
1.4	HQAM	3	3	18.18	18.17	18.08		17.5	0
1.4	HQAM	3	8	18.16	18.18	18.28			0
1.4	HQAM	3	8	18.25	18.25	18.04		17.5	0
1.4	HQAM	1	0	18.23	18.26	18.20			0
1.4	HQAM	1	3	18.23	18.26	18.20		17.5	0
1.4	HQAM	1	5	18.18	18.14	18.06			0
1.4	HQAM	3	0	18.26	18.28	18.20			0
1.4	HQAM	3	1	18.26	18.29	18.19		17.5	0
1.4	HQAM	3	3	18.16	18.32	18.20			0
1.4	HQAM	3	8	18.18	18.22	18.24		17.5	0

Band 2_Ant31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./Freq.	Power Pdsch Ch./Freq.	Power PDSCH Ch./Freq.	Power PDSCH Ch./Freq.	Time-Int. (sec)	MFR (dB)
20	QPSK	1	0	18.25	18.37	18.33			0
20	QPSK	1	49	18.31	18.30	18.47		18.5	0
20	QPSK	50	0	18.36	18.36	18.30			0
20	QPSK	50	24	18.39	18.43	18.36		18.5	0
20	QPSK	100	0	18.38	18.50	18.38			0
20	HQAM	1	0	18.35	18.44	18.37			0
20	HQAM	1	49	18.34	18.36	18.52		18.5	0
20	HQAM	50	0	18.38	18.38	18.32			0
20	HQAM	50	24	18.38	18.48	18.34		18.5	0
20	HQAM	100	0	18.30	18.40	18.30			0
20	HQAM	1	0	18.28	18.38	18.32			0



MINISTRY OF NATIONAL DEFENSE

Band 5_Ant11

BW (MHz)	Modulation	RB Size	RB Offset	Power Ch. 1 / Freq.	Power Ch. 2 / Freq.	Power Ch. 3 / Freq.	Turn-up (dB)	MFR (dB)
Channel								
Frequency (MHz)				529	536.5	544		
10	QPSK	1	0	19.39	19.38	19.37		
10	QPSK	1	25	19.43	19.42	19.41	20.8	0
10	QPSK	1	49	19.48	19.47	19.46		
10	QPSK	25	0	19.44	19.46	19.38		
10	QPSK	25	12	19.39	19.54	19.47	20.8	0
10	QPSK	25	25	19.24	19.34	19.42		
10	QPSK	50	0	19.39	19.44	19.29		
10	HQAM	1	0	19.42	19.54	19.50		
10	HQAM	1	25	19.27	19.45	19.49	20.8	0
10	HQAM	1	49	19.47	19.55	19.54		
10	HQAM	25	0	19.42	19.56	19.58		
10	HQAM	25	12	19.39	19.54	19.39	20.8	0
10	HQAM	25	25	19.48	19.56	19.48		
10	HQAM	50	0	19.54	19.45	19.44		
10	HQAM	1	0	19.43	19.51	19.45		
10	HQAM	1	25	19.38	19.48	19.24	20.8	0
10	HQAM	1	49	19.52	19.43	19.49		
10	HQAM	25	0	19.38	19.51	19.48		
10	HQAM	25	12	19.50	19.53	19.57	20.8	0
10	HQAM	25	25	19.46	19.46	19.52		
10	HQAM	50	0	19.47	19.59	19.38		
Channel								
Frequency (MHz)				2042	2052	2062		
5	QPSK	1	0	19.47	19.46	19.44		
5	QPSK	1	12	19.29	19.37	19.25	20.8	0
5	QPSK	1	24	19.39	19.44	19.42		
5	QPSK	12	0	19.40	19.44	19.33		
5	QPSK	12	12	19.25	19.33	19.27	20.8	0
5	QPSK	12	24	19.28	19.32	19.27		
5	QPSK	25	0	19.34	19.40	19.39		
5	HQAM	1	0	19.47	19.48	19.48		
5	HQAM	1	12	19.30	19.39	19.44	20.8	0
5	HQAM	1	24	19.35	19.44	19.54		
5	HQAM	12	0	19.34	19.48	19.53		
5	HQAM	12	12	19.25	19.39	19.43	20.8	0
5	HQAM	12	24	19.38	19.52	19.43		
5	HQAM	25	0	19.40	19.43	19.41		
5	HQAM	1	0	19.26	19.30	19.36	20.8	0
5	HQAM	1	12	19.25	19.36	19.41		
5	HQAM	1	24	19.43	19.44	19.46		
5	HQAM	12	0	19.38	19.43	19.45		
5	HQAM	12	12	19.28	19.35	19.20	20.8	0
5	HQAM	12	24	19.38	19.46	19.38		
Channel								
Frequency (MHz)				2046	2052	2058		
3	QPSK	1	0	19.37	19.48	19.32		
3	QPSK	1	8	19.31	19.53	19.26	20.8	0
3	QPSK	1	14	19.42	19.47	19.36		
3	QPSK	8	0	19.37	19.44	19.38		
3	QPSK	8	4	19.32	19.44	19.35	20.8	0
3	QPSK	8	7	19.23	19.36	19.29		
3	QPSK	15	0	19.38	19.37	19.22		
3	HQAM	1	0	19.42	19.38	19.45		
3	HQAM	1	14	19.35	19.54	19.54	20.8	0
3	HQAM	8	0	19.40	19.51	19.40		
3	HQAM	8	4	19.34	19.44	19.36	20.8	0
3	HQAM	8	7	19.40	19.47	19.38		
3	HQAM	15	0	19.47	19.53	19.47		
3	HQAM	1	0	19.29	19.55	19.51	20.8	0
3	HQAM	1	8	19.30	19.47	19.26		
3	HQAM	1	14	19.50	19.37	19.40		
3	HQAM	8	0	19.36	19.52	19.36	20.8	0
3	HQAM	8	4	19.33	19.53	19.47		
3	HQAM	8	7	19.37	19.44	19.25		
3	HQAM	15	0	19.40	19.49	19.37	20.8	0
Channel								
Frequency (MHz)				5247	536.5	543.3		
1.4	QPSK	1	0	19.34	19.45	19.37		
1.4	QPSK	1	3	19.21	19.27	19.39	20.8	0
1.4	QPSK	1	5	19.45	19.42	19.37		
1.4	QPSK	3	0	19.37	19.33	19.29		
1.4	QPSK	3	1	19.31	19.39	19.38		
1.4	QPSK	3	3	19.29	19.30	19.27	20.8	0
1.4	QPSK	6	0	19.28	19.33	19.19		
1.4	HQAM	1	0	19.43	19.48	19.55		
1.4	HQAM	1	3	19.42	19.37	19.52	20.8	0
1.4	HQAM	1	5	19.49	19.51	19.49		
1.4	HQAM	3	0	19.44	19.45	19.53		
1.4	HQAM	3	1	19.27	19.50	19.35	20.8	0
1.4	HQAM	3	3	19.37	19.44	19.46		
1.4	HQAM	6	0	19.39	19.43	19.40	20.8	0
1.4	HQAM	1	0	19.38	19.55	19.41		
1.4	HQAM	1	3	19.25	19.39	19.20	20.8	0
1.4	HQAM	1	5	19.40	19.35	19.43		
1.4	HQAM	3	0	19.32	19.52	19.48		
1.4	HQAM	3	1	19.38	19.43	19.53	20.8	0
1.4	HQAM	3	3	19.24	19.41	19.21		
1.4	HQAM	6	0	19.49	19.48	19.45	20.8	0

Band 5_Ant41

BW (MHz)	Modulation	RB Size	RB Offset	Power Ch. 1 / Freq.	Power Ch. 2 / Freq.	Power Ch. 3 / Freq.	Turn-up (dB)	MFR (dB)
Channel								
Frequency (MHz)				203	536.5	544		
10	QPSK	1	0	20.3	20.68	20.67		
10	QPSK	1	25	20.51	20.72	20.58	21.8	0
10	QPSK	1	49	20.54	20.58	20.58		
10	QPSK	25	0	20.48	20.63	20.48		
10	QPSK	25	12	20.63	20.69	20.61	21.8	0
10	QPSK	25	25	20.42	20.54	20.62		
10	QPSK	50	0	20.51	20.57	20.49		
10	HQAM	1	0	20.59	20.59	20.48		
10	HQAM	1	25	20.42	20.52	20.55	21.8	0
10	HQAM	1	49	20.49	20.27	20.5		
10	HQAM	25	0	20.58	20.64	20.54		
10	HQAM	25	12	20.45	20.61	20.51	21.8	0
10	HQAM	25	25	20.46	20.65	20.60		
10	HQAM	50	0	20.58	20.66	20.61		
10	HQAM	1	0	20.43	20.6	20.65		
10	HQAM	1	25	20.41	20.7	20.59	21.8	0
10	HQAM	1	49	20.49	20.65	20.58		
10	HQAM	25	0	20.6	20.7	20.6		
10	HQAM	25	12	20.67	20.7	20.65	21.8	0
10	HQAM	25	25	20.68	20.4	20.71		
10	HQAM	50	0	20.61	20.7	20.71		
10	HQAM	50	0	20.61	20.7	20.71		
Channel								
Frequency (MHz)				2045	2052	2062		
5	QPSK	1	0	20.52	20.52	20.52		
5	QPSK	1	12	20.44	20.54	20.47	21.8	0
5	QPSK	1	24	20.46	20.51	20.55		
5	QPSK	12	0	20.39	20.54	20.31		
5	QPSK	12	12	20.41	20.52	20.44	21.8	0
5	QPSK	12	24	20.33	20.38	20.44		
5	QPSK	25	0	20.38	20.54	20.35		
5	HQAM	1	0	20.48	20.44	20.48		
5	HQAM	1	12	20.39	20.46	20.53	21.8	0
5	HQAM	1	24	20.42	20.47	20.51		
5	HQAM	12	0	20.47	20.61	20.71		
5	HQAM	12	12	20.39	20.46	20.54	21.8	0
5	HQAM	12	24	20.40	20.45	20.62		
5	HQAM	25	0	20.48	20.51	20.58		
5	HQAM	25	0	20.48	20.51	20.58		
Channel								
Frequency (MHz)				2045	2052	2062		
3	QPSK	1	0	20.32	20.59	20.51		
3	QPSK	1	8	20.54	20.64	20.39	21.8	0
3	QPSK	1	14	20.47	20.40	20.49		
3	QPSK	8	0	20.41	20.41	20.33		
3	QPSK	8	4	20.44	20.50	20.48		
3	QPSK	8	7	20.27	20.38	20.56		
3	QPSK	15	0	20.32	20.61	20.41		
3	HQAM	1	0	20.41	20.41	20.33		
3	HQAM	1	14	20.43	20.63	20.53	21.8	0
3	HQAM	8	0	20.39	20.47	20.48		
3	HQAM	8	4	20.37	20.42	20.38	21.8	0
3	HQAM	8	7	20.32	20.63	20.30		
3	HQAM	15	0	20.39	20.64	20.41		
3	HQAM	1	0	20.33	20.52	20.46	21.8	0
3	HQAM	1	8	20.22	20.56	20.46		
3	HQAM	1	14	20.33	20.50	20.46		
3	HQAM	8	0	20.43	20.61	20.54	21.8	0
3	HQAM	8	4	20.63	20.45	20.61		
3	HQAM	8	7	20.62	20.47</			



Band 66_Ant14									
BM (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power Max / Freq.	Turn-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)				130072	130072	130072			
20	QPSK	1	0	16.36	16.40	16.34			
20	QPSK	1	49	16.43	16.50	16.51	17.5	0	
20	QPSK	1	98	16.36	16.46	16.27			
20	QPSK	50	0	16.49	16.59	16.48			
20	QPSK	50	24	16.52	16.56	16.46	17.5	0	
20	QPSK	50	49	16.42	16.44	16.44			
20	QPSK	100	0	16.41	16.58	16.41			
20	HQAM	1	0	16.42	16.50	16.40			
20	HQAM	1	49	16.52	16.50	16.57	17.5	0	
20	HQAM	1	98	16.41	16.46	16.25			
20	HQAM	50	0	16.49	16.59	16.48			
20	HQAM	50	24	16.43	16.58	16.48	17.5	0	
20	HQAM	50	49	16.53	16.53	16.49			
20	HQAM	100	0	16.45	16.49	16.44			
20	HQAM	1	0	16.31	16.48	16.41			
20	HQAM	1	49	16.42	16.55	16.47	17.5	0	
20	HQAM	1	98	16.30	16.40	16.27			
20	HQAM	50	0	16.44	16.48	16.52			
20	HQAM	50	24	16.51	16.58	16.45	17.5	0	
20	HQAM	50	49	16.44	16.57	16.48			
20	HQAM	100	0	16.45	16.58	16.59			
Channel									
Frequency (MHz)				130047	130022	130067			
15	QPSK	1	0	16.21	16.42	16.23			
15	QPSK	1	37	16.34	16.25	16.43	17.5	0	
15	QPSK	1	74	16.25	16.27	16.21			
15	QPSK	36	0	16.38	16.50	16.52			
15	QPSK	36	36	16.45	16.47	16.28	17.5	0	
15	QPSK	36	36	16.25	16.40	16.24			
15	QPSK	75	0	16.35	16.39	16.35			
15	HQAM	1	0	16.31	16.39	16.42			
15	HQAM	1	37	16.39	16.36	16.43	17.5	0	
15	HQAM	1	74	16.23	16.38	16.29			
15	HQAM	36	0	16.38	16.40	16.38			
15	HQAM	36	36	16.38	16.40	16.31	17.5	0	
15	HQAM	36	36	16.16	16.36	16.35			
15	HQAM	75	0	16.27	16.31	16.38			
15	HQAM	1	0	16.25	16.29	16.32			
15	HQAM	1	37	16.25	16.47	16.38	17.5	0	
15	HQAM	1	74	16.07	16.20	16.13			
15	HQAM	36	0	16.36	16.30	16.36			
15	HQAM	36	36	16.34	16.48	16.26	17.5	0	
15	HQAM	36	36	16.33	16.43	16.36			
15	HQAM	75	0	16.36	16.51	16.30			
Channel									
Frequency (MHz)				130022	130022	130022			
10	QPSK	1	0	16.26	16.39	16.28			
10	QPSK	1	25	16.32	16.42	16.38	17.5	0	
10	QPSK	1	49	16.34	16.29	16.37			
10	QPSK	25	0	16.34	16.40	16.42			
10	QPSK	25	12	16.37	16.35	16.37			
10	QPSK	25	25	16.27	16.41	16.36	17.5	0	
10	QPSK	50	0	16.28	16.36	16.32			
10	HQAM	1	0	16.26	16.40	16.30			
10	HQAM	1	25	16.36	16.30	16.41	17.5	0	
10	HQAM	1	49	16.33	16.43	16.39			
10	HQAM	25	0	16.35	16.45	16.39			
10	HQAM	25	12	16.31	16.42	16.30	17.5	0	
10	HQAM	25	25	16.13	16.36	16.40			
10	HQAM	50	0	16.37	16.46	16.35			
10	HQAM	1	0	16.16	16.30	16.21	17.5	0	
10	HQAM	1	25	16.23	16.47	16.31			
10	HQAM	1	49	16.00	16.25	16.09			
10	HQAM	25	0	16.35	16.45	16.45			
10	HQAM	25	12	16.40	16.40	16.28	17.5	0	
10	HQAM	25	25	16.25	16.44	16.38			
10	HQAM	50	0	16.27	16.42	16.32			
Channel									
Frequency (MHz)				130022	130022	130022			
5	QPSK	1	0	16.30	16.41	16.28			
5	QPSK	1	12	16.27	16.50	16.33	17.5	0	
5	QPSK	1	24	16.12	16.40	16.13			
5	QPSK	12	0	16.42	16.44	16.41			
5	QPSK	12	7	16.41	16.35	16.53	17.5	0	
5	QPSK	12	19	16.26	16.39	16.23			
5	QPSK	25	0	16.25	16.40	16.25			
5	HQAM	1	0	16.25	16.37	16.28			
5	HQAM	1	12	16.44	16.51	16.48	17.5	0	
5	HQAM	1	24	16.35	16.36	16.31			
5	HQAM	12	0	16.43	16.43	16.41			
5	HQAM	12	7	16.31	16.51	16.38	17.5	0	
5	HQAM	12	19	16.26	16.36	16.24			
5	HQAM	25	0	16.25	16.41	16.36	17.5	0	
5	HQAM	25	7	16.35	16.35	16.43			
5	HQAM	25	12	16.29	16.38	16.43			
5	HQAM	25	19	16.30	16.41	16.25	17.5	0	
5	HQAM	50	0	16.37	16.49	16.33			
5	HQAM	25	0	16.34	16.39	16.20			
Channel									
Frequency (MHz)				130087	130022	130067			
3	QPSK	1	0	16.32	16.36	16.26			
3	QPSK	1	8	16.26	16.45	16.41	17.5	0	
3	QPSK	1	14	16.14	16.31	16.09			
3	QPSK	8	0	16.29	16.36	16.34			
3	QPSK	8	4	16.32	16.47	16.29	17.5	0	
3	QPSK	8	7	16.36	16.37	16.29			
3	QPSK	15	0	16.28	16.30	16.22			
3	HQAM	1	0	16.29	16.36	16.32			
3	HQAM	1	8	16.44	16.36	16.42	17.5	0	
3	HQAM	1	14	16.31	16.35	16.26			
3	HQAM	8	0	16.33	16.45	16.37			
3	HQAM	8	4	16.34	16.49	16.31	17.5	0	
3	HQAM	8	7	16.20	16.35	16.39			
3	HQAM	15	0	16.25	16.33	16.29			
3	HQAM	1	0	16.24	16.42	16.28			
3	HQAM	1	8	16.31	16.39	16.29	17.5	0	
3	HQAM	1	14	16.05	16.28	16.15			
3	HQAM	8	0	16.28	16.40	16.37			
3	HQAM	8	4	16.37	16.36	16.31	17.5	0	
3	HQAM	8	7	16.26	16.46	16.32			
3	HQAM	15	0	16.26	16.44	16.31			
Channel									
Frequency (MHz)				130079	130022	130065			
1.4	QPSK	1	0	16.32	16.43	16.32			
1.4	QPSK	1	3	16.30	16.40	16.33	17.5	0	
1.4	QPSK	1	5	16.15	16.26	16.17			
1.4	QPSK	3	0	16.30	16.41	16.39			
1.4	QPSK	3	1	16.36	16.45	16.39			
1.4	QPSK	3	3	16.25	16.38	16.37			
1.4	QPSK	6	0	16.22	16.49	16.25	17.5	0	
1.4	HQAM	1	0	16.34	16.37	16.29			
1.4	HQAM	1	3	16.35	16.35	16.39			
1.4	HQAM	1	5	16.30	16.29	16.28	17.5	0	
1.4	HQAM	3	0	16.32	16.42	16.42			
1.4	HQAM	3	1	16.29	16.47	16.34			
1.4	HQAM	3	3	16.24	16.34	16.37			
1.4	HQAM	6	0	16.30	16.36	16.34	17.5	0	
1.4	HQAM	1	0	16.25	16.26	16.27			
1.4	HQAM	1	3	16.26	16.41	16.32			
1.4	HQAM	1	5	16.03	16.22	16.20	17.5	0	
1.4	HQAM	3	0	16.29	16.36	16.37			
1.4	HQAM	3	1	16.40	16.41	16.34			
1.4	HQAM	3	3	16.28	16.48	16.32			
1.4	HQAM	6	0	16.37	16.50	16.42	17.5	0	

Band 66_Ant31									
BM (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power Max / Freq.	Turn-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)				1700	1745	1770			
20	QPSK	1	0	15.94	15.99	15.90			
20	QPSK	1	49	16.11	16.10	16.12	17	0	
20	QPSK	1	99	16.01	16.00	16.03			
20	QPSK	50	0	16.03	16.12	16.08			
20	QPSK	50	24	16.02	16.06	16.06	17	0	
20	QPSK								



Band 38_Ant31									
BW [MHz]	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	19.81	19.78	19.73	20.8	0	
20	QPSK	1	49	19.11	20.05	20.04			
20	QPSK	1	99	19.91	19.86	19.85			
20	QPSK	50	0	19.89	19.88	19.84	20.8	0	
20	QPSK	50	24	19.88	19.94	19.92			
20	QPSK	50	50	19.88	19.80	19.78			
20	QPSK	100	0	19.98	19.96	19.93	20.8	0	
20	16QAM	1	0	19.99	19.94	19.93			
20	16QAM	1	49	20.10	20.03	20.06			
20	16QAM	1	99	19.98	19.90	19.88	20.8	0	
20	16QAM	50	0	19.96	19.96	19.96			
20	16QAM	50	24	19.96	19.88	19.90			
20	16QAM	50	50	19.87	19.86	19.81	20.8	0	
20	16QAM	100	0	19.99	19.91	19.91			
20	64QAM	1	0	19.88	19.82	19.84			
20	64QAM	1	49	20.01	20.00	19.99	20.8	0	
20	64QAM	1	99	19.91	19.81	19.81			
20	64QAM	50	0	19.96	19.95	19.86			
20	64QAM	50	24	19.99	19.95	19.90	20.8	0	
20	64QAM	50	50	19.89	19.88	19.81			
20	64QAM	100	0	19.92	19.90	19.93			
Channel				37925	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	19.74	19.67	19.63	20.8	0	
15	QPSK	1	37	20.08	19.98	20.01			
15	QPSK	1	74	19.81	19.80	19.73			
15	QPSK	36	0	19.94	19.91	19.87	20.8	0	
15	QPSK	36	20	19.94	19.91	19.86			
15	QPSK	36	39	19.86	19.72	19.67			
15	QPSK	75	0	19.88	19.85	19.83	20.8	0	
15	16QAM	1	0	19.96	19.86	19.86			
15	16QAM	1	37	20.00	19.98	19.97			
15	16QAM	1	74	19.94	19.87	19.87	20.8	0	
15	16QAM	36	0	19.87	19.88	19.88			
15	16QAM	36	20	19.96	19.76	19.86			
15	16QAM	36	39	19.78	19.77	19.76	20.8	0	
15	16QAM	75	0	19.93	19.82	19.83			
15	64QAM	1	0	19.85	19.80	19.78			
15	64QAM	1	37	19.96	19.96	19.93	20.8	0	
15	64QAM	1	74	19.84	19.74	19.69			
15	64QAM	36	0	19.87	19.83	19.81			
15	64QAM	36	20	19.94	19.92	19.76	20.8	0	
15	64QAM	36	39	19.82	19.83	19.70			
15	64QAM	75	0	19.86	19.83	19.76			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	19.69	19.66	19.66	20.8	0	
10	QPSK	1	25	20.06	19.93	19.95			
10	QPSK	1	49	19.83	19.82	19.76			
10	QPSK	25	0	19.91	19.88	19.86	20.8	0	
10	QPSK	25	12	19.86	19.86	19.78			
10	QPSK	25	25	19.82	19.73	19.73			
10	QPSK	50	0	19.89	19.82	19.83	20.8	0	
10	16QAM	1	0	19.87	19.83	19.84			
10	16QAM	1	25	19.96	19.98	19.99			
10	16QAM	1	49	19.88	19.80	19.85	20.8	0	
10	16QAM	25	0	19.85	19.91	19.92			
10	16QAM	25	12	19.84	19.81	19.82			
10	16QAM	25	25	19.77	19.80	19.73	20.8	0	
10	16QAM	50	0	19.90	19.77	19.80			
10	64QAM	1	0	19.74	19.73	19.72			
10	64QAM	1	25	19.87	19.94	19.95	20.8	0	
10	64QAM	1	49	19.78	19.77	19.70			
10	64QAM	25	0	19.90	19.90	19.79			
10	64QAM	25	12	19.94	19.81	19.83	20.8	0	
10	64QAM	25	25	19.76	19.82	19.67			
10	64QAM	50	0	19.88	19.81	19.74			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	19.70	19.68	19.69	20.8	0	
5	QPSK	1	12	20.02	19.94	20.00			
5	QPSK	1	24	19.84	19.74	19.80			
5	QPSK	12	0	19.89	19.87	19.84	20.8	0	
5	QPSK	12	7	19.84	19.87	19.83			
5	QPSK	12	13	19.74	19.68	19.68			
5	QPSK	25	0	19.91	19.89	19.87	20.8	0	
5	16QAM	1	0	19.86	19.85	19.86			
5	16QAM	1	12	20.02	19.89	19.92			
5	16QAM	1	24	19.89	19.84	19.86	20.8	0	
5	16QAM	12	0	19.88	19.82	19.83			
5	16QAM	12	7	19.92	19.79	19.76			
5	16QAM	12	13	19.73	19.75	19.77	20.8	0	
5	16QAM	25	0	19.92	19.80	19.81			
5	64QAM	1	0	19.84	19.68	19.77			
5	64QAM	1	12	19.91	19.91	19.93	20.8	0	
5	64QAM	1	24	19.84	19.73	19.76			
5	64QAM	12	0	19.84	19.86	19.77			
5	64QAM	12	7	19.93	19.86	19.79	20.8	0	
5	64QAM	12	13	19.77	19.84	19.67			
5	64QAM	25	0	19.78	19.83	19.79			

Band 38_Ant14									
BW [MHz]	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	19.13	19.05	19.10	20.3	0	
20	QPSK	1	49	19.31	19.23	19.21			
20	QPSK	1	99	19.06	19.06	18.96			
20	QPSK	50	0	19.16	19.15	19.04	20.3	0	
20	QPSK	50	24	19.11	19.02	19.04			
20	QPSK	50	50	19.05	19.03	19.00			
20	QPSK	100	0	19.13	19.11	19.12	20.3	0	
20	16QAM	1	0	19.16	19.15	19.08			
20	16QAM	1	49	19.24	19.24	19.19			
20	16QAM	1	99	19.16	19.14	19.13	20.3	0	
20	16QAM	50	0	19.12	19.09	19.05			
20	16QAM	50	24	19.16	19.11	19.15			
20	16QAM	50	50	19.06	18.99	19.06	20.3	0	
20	16QAM	100	0	19.16	19.10	19.08			
20	64QAM	1	0	19.16	19.11	19.09			
20	64QAM	1	49	19.28	19.18	19.28	20.3	0	
20	64QAM	1	99	19.14	19.11	19.07			
20	64QAM	50	0	19.13	19.04	19.13			
20	64QAM	50	24	19.18	19.12	19.13	20.3	0	
20	64QAM	50	50	19.08	19.02	19.08			
20	64QAM	100	0	19.13	19.07	19.06			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	19.07	18.93	18.99	20.3	0	
15	QPSK	1	37	19.23	19.16	19.19			
15	QPSK	1	74	19.00	18.96	18.89			
15	QPSK	36	0	19.11	19.09	18.98	20.3	0	
15	QPSK	36	20	19.00	18.91	18.95			
15	QPSK	36	39	18.94	18.96	18.90			
15	QPSK	75	0	19.08	19.04	19.06	20.3	0	
15	16QAM	1	0	19.12	19.04	19.07			
15	16QAM	1	37	19.17	19.13	19.13			
15	16QAM	1	74	19.06	19.08	19.06	20.3	0	
15	16QAM	36	0	19.03	18.99	18.88			
15	16QAM	36	20	19.10	19.06	19.12			
15	16QAM	36	39	18.96	18.97	19.02	20.3	0	
15	16QAM	75	0	19.07	19.02	18.99			
15	64QAM	1	0	19.06	19.09	19.05			
15	64QAM	1	37	19.18	19.06	19.26	20.3	0	
15	64QAM	1	74	19.07	19.02	18.97			
15	64QAM	36	0	19.10	18.93	19.02			
15	64QAM	36	20	19.12	19.07	19.04	20.3	0	
15	64QAM	36	39	19.00	18.95	18.99			
15	64QAM	75	0	19.07	18.98	19.04			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	18.99	18.97	19.02	20.3	0	
10	QPSK	1	25	19.26	19.18	19.16			
10	QPSK	1	49	18.98	18.92	18.85			
10	QPSK	25	0	19.09	19.05	18.99	20.3	0	
10	QPSK	25	12	19.07	18.94	18.91			
10	QPSK	25	25	18.96	18.96	18.91			
10	QPSK	50	0	18.99	18.98	19.03	20.3	0	
10	16QAM	1	0	19.05	19.08	18.99			
10	16QAM	1	25	19.18	19.11	19.10			
10	16QAM	1	49	19.06	19.06	19.02	20.3	0	
10	16QAM	25	0	19.00	19.05	19.01			
10	16QAM	25	12	19.02	19.07	19.02			
10	16QAM	25	25	19.00	18.87	19.02	20.3	0	
10	16QAM	50	0	19.04	18.98	18.94			
10	64QAM	1	0	19.07	19.04	18.96			
10	64QAM	1	25	19.24	19.13	19.18	20.3	0	
10	64QAM	1	49	19.07	19.01	18.95			
10	64QAM	25	0	19.08	18.98	19.01			
10	64QAM	25	12	19.14	19.03	19.08	20.3	0	
10	64QAM	25	25	19.00	18.90	19.00			
10	64QAM	50	0	19.06	19.00	18.99			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	19.00	18.94	18.99	20.3	0	
5	QPSK	1	12	19.27	19				



Band 41_Ant31

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)				39750	40185	40620	41055	41490		
20	QPSK	1	0	19.84	20.01	20.02	19.93	19.97	20.8	0
20	QPSK	1	49	19.88	19.99	20.12	20.02	20.03		
20	QPSK	1	99	19.74	19.79	19.83	19.74	19.82	20.8	0
20	QPSK	50	0	19.83	19.90	20.04	19.91	19.99		
20	QPSK	50	24	19.97	19.98	20.02	19.96	19.97	20.8	0
20	QPSK	50	50	19.87	19.91	19.91	19.86	19.90		
20	QPSK	100	0	19.87	19.88	20.01	19.92	20.00	20.8	0
20	16QAM	1	0	19.84	19.91	19.98	19.96	19.93		
20	16QAM	1	49	20.08	20.09	20.11	20.07	20.09	20.8	0
20	16QAM	1	99	19.83	19.85	19.91	19.82	19.83		
20	16QAM	50	0	19.87	19.97	20.01	19.99	19.92	20.8	0
20	16QAM	50	24	19.94	20.03	20.03	19.93	19.97		
20	16QAM	50	50	19.85	19.88	19.90	19.89	19.85	20.8	0
20	16QAM	100	0	19.85	19.92	19.95	19.94	19.91		
20	64QAM	1	0	19.79	19.84	19.88	19.84	19.83	20.8	0
20	64QAM	1	49	19.89	19.93	20.01	19.92	19.99		
20	64QAM	1	99	19.78	19.84	19.84	19.78	19.83	20.8	0
20	64QAM	50	0	19.84	20.01	20.03	19.95	19.94		
20	64QAM	50	24	19.99	20.03	20.04	20.03	20.04	20.8	0
20	64QAM	50	50	19.83	19.92	19.93	19.87	19.89		
20	64QAM	100	0	19.87	19.88	19.95	19.90	19.85	20.8	0
Channel				39755	40193	40620	41063	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.5	2692.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	19.87	19.91	19.91	19.85	19.89	20.80	0
15	QPSK	1	37	19.92	19.93	20.07	19.97	19.97		
15	QPSK	1	74	19.63	19.77	19.74	19.69	19.68	20.8	0
15	QPSK	36	0	19.73	19.80	19.96	19.81	19.86		
15	QPSK	36	20	19.91	19.91	19.99	19.82	19.85	20.8	0
15	QPSK	36	39	19.63	19.82	19.79	19.72	19.78		
15	QPSK	75	0	19.79	19.77	19.89	19.82	19.87	20.8	0
15	16QAM	1	0	19.84	19.80	19.86	19.86	19.86		
15	16QAM	1	37	20.04	20.03	19.99	20.02	19.95	20.8	0
15	16QAM	1	74	19.78	19.74	19.82	19.70	19.73		
15	16QAM	36	0	19.87	19.93	19.96	19.89	19.84	20.8	0
15	16QAM	36	20	19.85	19.92	19.96	19.83	19.93		
15	16QAM	36	39	19.82	19.82	19.80	19.79	19.80	20.8	0
15	16QAM	75	0	19.80	19.86	19.90	19.80	19.78		
15	64QAM	1	0	19.71	19.77	19.86	19.77	19.78	20.8	0
15	64QAM	1	37	19.97	19.81	19.95	19.82	19.86		
15	64QAM	1	74	19.76	19.74	19.73	19.71	19.75	20.8	0
15	64QAM	36	0	19.80	19.83	19.95	19.89	19.84		
15	64QAM	36	20	19.84	19.95	20.00	19.92	19.96	20.8	0
15	64QAM	36	39	19.81	19.82	19.88	19.81	19.78		
15	64QAM	75	0	19.81	19.82	19.93	19.86	19.91	20.8	0
Channel				39790	40160	40620	41080	41540		
Frequency (MHz)				2501	2547	2593	2639	2685	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	19.86	19.95	19.93	19.88	19.87	20.80	0
10	QPSK	1	25	19.91	19.93	20.02	19.95	19.97		
10	QPSK	1	49	19.65	19.75	19.75	19.69	19.68	20.8	0
10	QPSK	25	0	19.74	19.78	19.94	19.77	19.95		
10	QPSK	25	12	19.83	19.87	19.86	19.82	19.83	20.8	0
10	QPSK	25	25	19.77	19.80	19.83	19.80	19.85		
10	QPSK	50	0	19.75	19.83	19.92	19.83	19.86	20.8	0
10	16QAM	1	0	19.85	19.83	19.86	19.87	19.83		
10	16QAM	1	25	20.00	20.03	20.07	19.95	19.99	20.8	0
10	16QAM	1	49	19.77	19.77	19.79	19.69	19.75		
10	16QAM	25	0	19.93	19.91	19.90	19.91	19.85	20.8	0
10	16QAM	25	12	19.83	19.99	19.90	19.82	19.83		
10	16QAM	25	25	19.76	19.83	19.81	19.83	19.74	20.8	0
10	16QAM	50	0	19.85	19.82	19.90	19.90	19.84		
10	64QAM	1	0	19.74	19.77	19.76	19.73	19.71	20.8	0
10	64QAM	1	25	19.88	19.87	19.90	19.87	19.87		
10	64QAM	1	49	19.70	19.74	19.70	19.70	19.69	20.8	0
10	64QAM	25	0	19.81	19.95	19.98	19.83	19.87		
10	64QAM	25	12	19.85	19.96	19.93	19.97	19.92	20.8	0
10	64QAM	25	25	19.79	19.85	19.85	19.78	19.82		
10	64QAM	50	0	19.81	19.77	19.88	19.85	19.81	20.8	0
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	19.88	19.96	19.89	19.83	19.86	20.80	0
5	QPSK	1	12	19.84	19.89	20.06	19.96	19.96		
5	QPSK	1	24	19.65	19.73	19.77	19.68	19.75	20.8	0
5	QPSK	12	0	19.76	19.84	19.90	19.81	19.87		
5	QPSK	12	7	19.84	19.88	19.88	19.86	19.88	20.8	0
5	QPSK	12	13	19.73	19.87	19.79	19.79	19.86		
5	QPSK	25	0	19.78	19.83	19.96	19.80	19.93	20.8	0
5	16QAM	1	0	19.83	19.79	19.84	19.90	19.83		
5	16QAM	1	12	20.01	20.01	20.02	19.93	20.00	20.8	0
5	16QAM	1	24	19.70	19.71	19.86	19.73	19.77		
5	16QAM	12	0	19.87	19.90	19.93	19.86	19.82	20.8	0
5	16QAM	12	7	19.81	19.97	19.90	19.83	19.83		
5	16QAM	12	13	19.74	19.78	19.79	19.80	19.76	20.8	0
5	16QAM	25	0	19.88	19.86	19.84	19.80	19.84		
5	64QAM	1	0	19.73	19.79	19.75	19.72	19.71	20.8	0
5	64QAM	1	12	19.89	19.79	19.95	19.84	19.90		
5	64QAM	1	24	19.65	19.74	19.74	19.66	19.75	20.8	0
5	64QAM	12	0	19.83	19.90	19.89	19.88	19.87		
5	64QAM	12	7	19.95	19.92	19.95	19.92	19.99	20.8	0
5	64QAM	12	13	19.69	19.86	19.85	19.82	19.83		
5	64QAM	25	0	19.79	19.82	19.86	19.82	19.81	20.8	0
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	19.85	19.96	19.96	19.85	19.88	20.30	0
5	QPSK	1	12	19.16	19.15	19.24	19.19	19.17		
5	QPSK	1	24	18.99	19.97	19.00	18.95	18.93	20.3	0
5	QPSK	12	0	19.06	19.16	19.17	19.15	19.21		
5	QPSK	12	7	19.06	19.88	19.17	19.09	19.09	20.3	0
5	QPSK	12	13	19.03	19.85	19.07	18.92	19.01		
5	QPSK	25	0	19.07	19.11	19.21	19.16	19.14	20.3	0
5	16QAM	1	0	19.04	19.03	19.18	19.14	19.12		
5	16QAM	1	12	19.12	19.24	19.22	19.16	19.21	20.3	0
5	16QAM	1	24	18.96	18.94	19.02	18.97	18.97		
5	16QAM	12	0	19.11	19.17	19.12	19.14	19.10	20.3	0
5	16QAM	12	7	19.11	19.09	19.12	19.11	19.10		
5	16QAM	12	13	19.06	19.01	19.10	19.01	19.00	20.3	0
5	16QAM	25	0	19.08	19.16	19.14	19.17	19.04		
5	64QAM	1	0	19.04	18.97	19.05	18.99	18.99	20.3	0
5	64QAM	1	12	19.18	19.12	19.24	19.17	19.14		
5	64QAM	1	24	18.96	18.95	19.04	18.93	18.99	20.3	0
5	64QAM	12	0	19.09	19.11	19.18	19.10	19.11		
5	64QAM	12	7	19.15	19.14	19.13	19.06	19.05	20.3	0
5	64QAM	12	13	18.94	19.11	19.09	19.05	19.01		
5	64QAM	25	0	19.02	19.06	19.14	19.09	19.04	20.3	0
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	Tune-up limit (dBm)	MPR (dB)



Band 2_Ant14										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./Freq. 1870	Power Ch./Freq. 1890	Power Ch./Freq. 1910	Turn-up (dBm)	MPR (dB)		
20	QPSK	1	0	22.07	22.07	21.99				
20	QPSK	1	49	22.14	22.20	22.07	23.5	0		
20	QPSK	1	99	21.99	21.91	22.02				
20	QPSK	1	149	21.91	21.83	21.90				
20	QPSK	50	24	21.11	21.08	21.05	22.5	1		
20	QPSK	50	50	21.13	21.03	20.99				
20	QPSK	50	76	21.08	21.03	21.00				
20	16QAM	1	0	21.28	21.25	21.17				
20	16QAM	1	49	21.17	21.20	21.24	23.5	1		
20	16QAM	1	99	21.13	21.11	21.16				
20	16QAM	50	0	20.92	20.92	20.92				
20	16QAM	50	24	20.10	20.04	20.02	21.5	2		
20	16QAM	50	50	20.09	19.98	19.98				
20	16QAM	100	0	20.07	19.99	19.98				
20	16QAM	100	0	20.10	20.19	20.08				
20	16QAM	1	49	20.20	20.14	20.08	21.5	2		
20	16QAM	1	99	20.05	19.97	20.00				
20	16QAM	50	0	19.92	19.97	19.96				
20	16QAM	50	24	19.10	19.02	19.00	20.5	3		
20	16QAM	50	50	19.05	18.98	18.94				
20	16QAM	100	0	18.93	18.96	18.92				
Channel										
Frequency (MHz)	1867.5	1880	1892.5	Turn-up (dBm)	MPR (dB)					
15	QPSK	1	0	22.01	21.91	21.93				
15	QPSK	1	37	22.04	22.11	21.96	23.5	0		
15	QPSK	1	74	21.97	21.84	21.90				
15	QPSK	36	0	21.07	21.08	21.02	22.5	1		
15	QPSK	36	20	20.98	20.93	20.90				
15	QPSK	36	40	21.08	21.03	21.03				
15	QPSK	75	0	21.00	21.05	20.98				
15	16QAM	1	0	21.09	21.17	20.98				
15	16QAM	1	37	21.28	21.20	21.16	22.5	1		
15	16QAM	1	74	21.08	20.96	21.11				
15	16QAM	36	0	19.91	19.87	19.87				
15	16QAM	36	20	20.04	19.97	19.96	21.5	2		
15	16QAM	36	40	21.08	20.96	21.10				
15	16QAM	75	0	20.07	19.96	19.98				
15	16QAM	1	0	19.97	20.10	19.93				
15	16QAM	1	37	20.16	20.13	20.04	21.5	2		
15	16QAM	1	74	19.93	19.79	19.87				
15	16QAM	36	0	18.87	18.92	18.93				
15	16QAM	36	20	18.93	18.99	18.94	20.5	3		
15	16QAM	36	40	19.91	19.85	19.80				
15	16QAM	75	0	18.88	18.92	18.77				
Channel										
Frequency (MHz)	1885	1898	1910	Turn-up (dBm)	MPR (dB)					
10	QPSK	1	0	22.00	21.99	21.99				
10	QPSK	1	49	22.03	22.19	21.96	23.5	0		
10	QPSK	1	99	21.89	21.77	21.86				
10	QPSK	25	0	20.89	20.97	20.84	22.5	1		
10	QPSK	25	25	21.00	21.01	20.95				
10	QPSK	50	0	20.92	20.97	20.84				
10	16QAM	1	0	21.00	21.00	21.00	22.5	1		
10	16QAM	1	49	21.08	21.04	21.05				
10	16QAM	1	99	20.97	20.89	21.00				
10	16QAM	25	0	20.04	19.89	20.00	21.5	2		
10	16QAM	25	25	20.92	20.92	20.90				
10	16QAM	50	0	19.91	19.82	19.80				
10	16QAM	50	24	19.91	19.85	19.82	21.5	2		
10	16QAM	50	49	20.06	20.14	20.01				
10	16QAM	100	0	19.93	19.92	19.99	21.5	2		
10	16QAM	1	49	20.03	19.93	20.07				
10	16QAM	25	0	18.90	18.93	18.88	20.5	3		
10	16QAM	25	25	19.91	19.85	19.78				
10	16QAM	50	0	18.90	18.98	18.79				
Channel										
Frequency (MHz)	1895	1908	1920	Turn-up (dBm)	MPR (dB)					
5	QPSK	1	0	21.88	21.92	21.80	23.5	0		
5	QPSK	1	12	22.03	22.09	21.96				
5	QPSK	1	24	21.86	21.79	21.95				
5	QPSK	12	0	21.11	21.05	21.04	22.5	1		
5	QPSK	12	13	21.07	20.88	20.93				
5	QPSK	25	0	20.99	20.88	20.97				
5	16QAM	1	0	21.21	21.15	21.10	22.5	1		
5	16QAM	1	12	21.16	21.18	21.22				
5	16QAM	1	24	20.99	21.03	21.02				
5	16QAM	12	0	19.92	19.92	19.90	21.5	2		
5	16QAM	12	7	20.01	19.85	19.93				
5	16QAM	25	0	19.90	19.81	19.81				
5	16QAM	1	0	19.91	20.13	19.87	21.5	2		
5	16QAM	1	12	20.15	20.13	20.08				
5	16QAM	1	24	19.87	19.96	19.91	20.5	3		
5	16QAM	12	0	18.87	18.95	18.88				
5	16QAM	12	7	19.07	18.93	18.98				
5	16QAM	25	0	18.90	18.90	18.88				
5	16QAM	25	0	18.96	18.83	18.85				
Channel										
Frequency (MHz)	1897.5	1890	1902.5	Turn-up (dBm)	MPR (dB)					
3	QPSK	1	0	22.07	21.94	21.99	23.5	0		
3	QPSK	1	8	22.00	22.17	21.99				
3	QPSK	8	0	21.03	20.99	20.96	22.5	1		
3	QPSK	8	4	21.08	21.04	21.02				
3	QPSK	15	0	21.01	20.88	20.97				
3	QPSK	15	0	21.01	21.01	20.99				
3	16QAM	1	0	21.22	21.09	21.11	22.5	1		
3	16QAM	1	8	21.24	21.10	21.11				
3	16QAM	1	16	20.98	20.99	21.01				
3	16QAM	8	0	20.05	19.99	20.01	21.5	2		
3	16QAM	8	4	19.91	19.85	19.83				
3	16QAM	15	0	19.90	19.88	19.86				
3	16QAM	15	0	19.90	19.90	19.81				
3	16QAM	1	0	20.00	20.10	19.96				
3	16QAM	1	8	20.19	20.02	20.07	21.5	2		
3	16QAM	1	16	19.97	19.86	19.91				
3	16QAM	8	0	18.88	18.90	18.94	20.5	3		
3	16QAM	8	4	19.09	18.94	19.08				
3	16QAM	15	0	18.96	18.84	18.85				
3	16QAM	15	0	18.91	18.83	18.80				
Channel										
Frequency (MHz)	1897	1890	1902.5	Turn-up (dBm)	MPR (dB)					
1.4	QPSK	1	0	22.01	22.07	21.96	23.5	0		
1.4	QPSK	1	5	21.91	21.78	22.00				
1.4	QPSK	3	0	21.84	21.89	21.79				
1.4	QPSK	3	3	21.81	21.81	21.86	22.5	1		
1.4	QPSK	3	3	21.88	21.76	21.72				
1.4	QPSK	6	0	20.96	20.98	20.88	21.5	2		
1.4	16QAM	1	0	21.17	21.17	21.06				
1.4	16QAM	1	3	21.36	21.19	21.22				
1.4	16QAM	1	5	20.95	21.02	20.96	22.5	1		
1.4	16QAM	3	0	20.78	20.77	20.74	21.5	2		
1.4	16QAM	3	3	20.71	20.83	20.88				
1.4	16QAM	3	3	20.74	20.73	20.63				
1.4	16QAM	6	0	19.97	19.83	19.88	21.5	2		
1.4	16QAM	1	0	19.91	20.10	19.87				
1.4	16QAM	1	3	19.98	19.98	20.02	21.5	2		
1.4	16QAM	3	0	19.87	19.76	19.83				
1.4	16QAM	3	3	19.88	19.70	19.90	20.5	3		
1.4	16QAM	6	0	18.86	18.84	18.87	20.5	3		

Band 4_Ant14										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./Freq. 2065	Power Ch./Freq. 2075	Power Ch./Freq. 2085	Turn-up (dBm)	MPR (dB)		
20	QPSK	1	0	22.80	22.70	22.83				
20	QPSK	1	49	22.89	23.00	22.94	24.5	0		
20	QPSK	1	99	22.98	22.76	22.76				
20	QPSK	50	0							



Band 38_Ant14										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPRR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	23.39	23.16	23.19	24.8	0		
20	QPSK	1	49	23.61	23.38	23.46				
20	QPSK	1	99	23.45	23.23	23.34				
20	QPSK	50	0	22.53	22.28	22.33	23.8	1		
20	QPSK	50	24	22.48	22.29	22.36				
20	QPSK	50	50	22.47	22.23	22.40				
20	QPSK	100	0	22.47	22.27	22.34	23.8	1		
20	16QAM	1	0	22.37	22.15	22.21				
20	16QAM	1	49	22.57	22.33	22.45				
20	16QAM	1	99	22.42	22.21	22.32	22.8	2		
20	16QAM	50	0	21.51	21.28	21.30				
20	16QAM	50	24	21.54	21.31	21.36				
20	16QAM	50	50	21.46	21.24	21.40	22.8	2		
20	16QAM	100	0	21.47	21.28	21.35				
20	64QAM	1	0	21.20	21.15	21.22				
20	64QAM	1	49	21.33	21.10	21.15	22.8	2		
20	64QAM	1	99	21.15	21.11	21.20				
20	64QAM	50	0	20.67	20.44	20.44				
20	64QAM	50	24	20.71	20.45	20.53	21.8	3		
20	64QAM	50	50	20.63	20.39	20.54				
20	64QAM	100	0	20.65	20.43	20.48				
Channel				37855	38000	38150	Tune-up limit (dBm)	MPRR (dB)		
Frequency (MHz)				2677.5	2695	2677.5				
15	QPSK	1	0	23.27	23.12	23.07	24.8	0		
15	QPSK	1	37	23.42	23.35	23.27				
15	QPSK	1	74	23.33	23.05	23.22				
15	QPSK	36	0	22.48	22.18	22.28	23.8	1		
15	QPSK	36	20	22.33	22.29	22.21				
15	QPSK	36	39	22.36	22.23	22.29				
15	QPSK	75	0	22.43	22.20	22.30	23.8	1		
15	16QAM	1	0	22.25	22.06	22.09				
15	16QAM	1	37	22.41	22.33	22.29				
15	16QAM	1	74	22.25	22.14	22.15	22.8	2		
15	16QAM	36	0	21.50	21.24	21.29				
15	16QAM	36	20	21.54	21.13	21.36				
15	16QAM	36	39	21.29	21.06	21.23	22.8	2		
15	16QAM	75	0	21.47	21.28	21.35				
15	64QAM	1	0	21.17	21.04	21.19				
15	64QAM	1	37	21.32	21.05	21.14	22.8	2		
15	64QAM	1	74	21.01	20.96	21.06				
15	64QAM	36	0	20.50	20.26	20.27				
15	64QAM	36	20	20.61	20.28	20.43	21.8	3		
15	64QAM	36	39	20.50	20.25	20.41				
15	64QAM	75	0	20.57	20.43	20.40				
Channel				37850	38000	38200	Tune-up limit (dBm)	MPRR (dB)		
Frequency (MHz)				2675	2695	2615				
10	QPSK	1	0	23.27	23.10	23.07	24.8	0		
10	QPSK	1	25	23.54	23.25	23.39				
10	QPSK	1	49	23.26	23.18	23.15				
10	QPSK	25	0	22.53	22.09	22.33	23.8	1		
10	QPSK	25	12	22.31	22.10	22.19				
10	QPSK	25	25	22.30	22.11	22.23				
10	QPSK	50	0	22.28	22.08	22.15	23.8	1		
10	16QAM	1	0	22.29	21.98	22.13				
10	16QAM	1	25	22.51	22.16	22.39				
10	16QAM	1	49	22.24	22.02	22.14	22.8	2		
10	16QAM	25	0	21.41	21.23	21.20				
10	16QAM	25	12	21.42	21.17	21.24				
10	16QAM	25	25	21.42	21.15	21.36	22.8	2		
10	16QAM	50	0	21.29	21.11	21.17				
10	64QAM	1	0	21.03	21.00	21.05				
10	64QAM	1	25	21.18	21.00	21.00	22.8	2		
10	64QAM	1	49	21.03	20.93	21.08				
10	64QAM	25	0	20.60	20.26	20.37				
10	64QAM	25	12	20.67	20.28	20.49	21.8	3		
10	64QAM	25	25	20.51	20.27	20.42				
10	64QAM	50	0	20.49	20.40	20.32				
Channel				37775	38000	38225	Tune-up limit (dBm)	MPRR (dB)		
Frequency (MHz)				2672.5	2695	2617.5				
5	QPSK	1	0	23.23	23.10	23.03	24.8	0		
5	QPSK	1	12	23.57	23.34	23.42				
5	QPSK	1	24	23.26	23.20	23.15				
5	QPSK	12	0	22.34	22.24	22.14	23.8	1		
5	QPSK	12	7	22.29	22.18	22.17				
5	QPSK	12	13	22.34	22.22	22.27				
5	QPSK	25	0	22.28	22.15	22.15	23.8	1		
5	16QAM	1	0	22.36	22.15	22.20				
5	16QAM	1	12	22.48	22.19	22.36				
5	16QAM	1	24	22.28	22.19	22.18	22.8	2		
5	16QAM	12	0	21.40	21.10	21.19				
5	16QAM	12	7	21.45	21.15	21.27				
5	16QAM	12	13	21.41	21.18	21.35	22.8	2		
5	16QAM	25	0	21.46	21.14	21.34				
5	64QAM	1	0	21.06	20.96	21.08				
5	64QAM	1	12	21.22	21.05	21.04	22.8	2		
5	64QAM	1	24	21.11	20.95	21.16				
5	64QAM	12	0	20.50	20.42	20.27				
5	64QAM	12	7	20.55	20.33	20.37	21.8	3		
5	64QAM	12	13	20.53	20.27	20.44				
5	64QAM	25	0	20.65	20.34	20.48				

Band 41_Ant14										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPRR (dB)		
Channel				39750	40185	40620				
Frequency (MHz)				2506	2545.5	2593				
20	QPSK	1	0	23.15	23.35	23.20	24.8	0		
20	QPSK	1	49	23.41	23.50	23.63				
20	QPSK	1	99	23.28	23.44	23.20				
20	QPSK	50	0	22.24	22.40	22.55	23.8	1		
20	QPSK	50	24	22.35	22.45	22.32				
20	QPSK	50	50	22.36	22.44	22.25				
20	QPSK	100	0	22.31	22.45	22.50	23.8	1		
20	16QAM	1	0	22.19	22.33	22.16				
20	16QAM	1	49	22.40	22.53	22.37				
20	16QAM	1	99	22.26	22.40	22.15	22.8	2		
20	16QAM	50	0	21.41	21.44	21.34				
20	16QAM	50	24	21.54	21.51	21.32				
20	16QAM	50	50	21.55	21.50	21.23	22.8	2		
20	16QAM	100	0	21.48	21.45	21.28				
20	64QAM	1	0	21.11	21.04	21.09				
20	64QAM	1	49	21.28	21.26	21.10	22.8	2		
20	64QAM	1	99	21.05	21.11	21.10				
20	64QAM	50	0	20.31	20.60	20.47				
20	64QAM	50	24	20.41	20.67	20.46	21.8	3		
20	64QAM	50	50	20.51	20.63	20.42				
20	64QAM	100	0	20.38	20.60	20.44				
Channel				39725	40183	40620	Tune-up limit (dBm)	MPRR (dB)		
Frequency (MHz)				2503.5	2548.3	2593				
15	QPSK	1	0	23.02	23.32	23.19	24.80	0		
15	QPSK	1	37	23.30	23.40	23.44				
15	QPSK	1	74	23.10	23.30	23.02				
15	QPSK	36	0	22.15	22.25	22.40	23.8	1		
15	QPSK	36	20	22.19	22.31	22.16				
15	QPSK	36	39	22.34	22.31	22.24				
15	QPSK	75	0	22.31	22.40	22.52	23.8	1		
15	16QAM	1	0	22.15	22.15	22.12				
15	16QAM	1	37	22.27	22.40	22.24				
15	16QAM	1	74	22.26	22.35	22.15	22.8	2		
15	16QAM	36	0	21.36	21.26	21.29				
15	16QAM	36	20	21.50	21.51	21.28				
15	16QAM	36	39	21.51	21.48	21.19	22.8	2		
15	16QAM	75	0	21.47	21.32	21.27				
15	64QAM	1	0	20.99	20.90	20.97				
15	64QAM	1	37	21.26	21.19	21.08	22.8	2		
15	64QAM	1	74	20.87	21.05	20.92				
15	64QAM	36	0	20.34	20.48	20.40				
15	64QAM	36	20	20.23	20.55	20.28	21.8	3		
15	64QAM	36	39	20.50	20.58	20.41				
15	64QAM	75	0	20.35	20.47	20.41				
Channel				39700	40180	40620	Tune-up limit (dBm)	MPRR (dB)		
Frequency (MHz)				2501	2547	2693				
10	QPSK	1	0	23.15	23.31	23.17	24.80	0		
10	QPSK	1	25	23.27	23.42	23.41				
10	QPSK	1	49	23.23	23.40	23.15				
10	QPSK	25	0	22.10	22.28	22.35	23.8	1		
10	QPSK	25	12	22.16	22.45	22.13				
10	QPSK	25	25	22.27	22.28	22.16				
10	QPSK	50	0	22.23	22.29	22.44	23.8	1		
10	16QAM	1	0	22.12	22.32	22.09				
10	16QAM	1	25	22.23	22.39	22.20				
10	16QAM	1	49	22.08	22.40	21.97	22.8	2		
10	16QAM	25	0	21.29	21.36	21.22				
10	16QAM	25	12	21.41	21.33	21.19				
10	16QAM	25	25	21.39	21.32	21.07	22.8	2		
10	16QAM	50	0	21.35	21.28	21.15				
10										



Inter-band CA Power_Full

Band 4_Ant31										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dBm)	MPR (dB)		
Channel				2050	20175	20300				
Frequency (MHz)				1750	1732.5	1745				
20	QPSK	1	0	20.55	20.58	20.53	21.5	0		
20	QPSK	1	49	20.46	20.59	20.57				
20	QPSK	1	99	20.47	20.54	20.52				
20	QPSK	50	0	20.52	20.58	20.44	21.5	0		
20	QPSK	50	24	20.31	20.35	20.33				
20	QPSK	50	50	20.42	20.32	20.49				
20	QPSK	100	0	20.31	20.38	20.30				
20	16QAM	1	0	20.45	20.49	20.54	21.5	0		
20	16QAM	1	49	20.46	20.48	20.48				
20	16QAM	1	99	20.48	20.49	20.49				
20	16QAM	50	0	20.50	20.44	20.38				
20	16QAM	50	24	20.37	20.46	20.44	21.5	0		
20	16QAM	50	50	20.31	20.36	20.36				
20	16QAM	100	0	20.46	20.41	20.40				
20	64QAM	1	0	20.32	20.37	20.40	21.5	0		
20	64QAM	1	49	20.49	20.39	20.49				
20	64QAM	1	99	20.48	20.38	20.53				
20	64QAM	50	0	19.93	20.31	20.31				
20	64QAM	50	24	20.06	20.29	20.38	21.5	0		
20	64QAM	50	50	19.95	20.23	20.31				
20	64QAM	100	0	20.01	20.29	20.26				
Channel				2025	20175	20325	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1732.5	1747.5				
15	QPSK	1	0	20.49	20.55	20.51	21.5	0		
15	QPSK	1	37	20.40	20.40	20.46				
15	QPSK	1	74	20.38	20.51	20.46				
15	QPSK	36	0	20.39	20.47	20.22				
15	QPSK	36	20	20.19	20.22	20.24	21.5	0		
15	QPSK	36	39	20.34	20.31	20.43				
15	QPSK	75	0	20.16	20.35	20.23				
15	16QAM	1	0	20.38	20.48	20.45	21.5	0		
15	16QAM	1	37	20.40	20.40	20.46				
15	16QAM	1	74	20.47	20.36	20.44				
15	16QAM	36	0	20.44	20.38	20.37				
15	16QAM	36	20	20.27	20.43	20.33	21.5	0		
15	16QAM	36	39	20.23	20.29	20.26				
15	16QAM	75	0	20.45	20.28	20.29				
15	64QAM	1	0	20.30	20.30	20.32	21.5	0		
15	64QAM	1	37	20.48	20.34	20.38				
15	64QAM	1	74	20.44	20.33	20.47				
15	64QAM	36	0	19.86	20.20	20.18				
15	64QAM	36	20	19.96	20.20	20.33	21.5	0		
15	64QAM	36	39	19.91	20.12	20.29				
15	64QAM	75	0	19.89	20.22	20.14				
Channel				20000	20175	20350	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715	1732.5	1750				
10	QPSK	1	0	20.46	20.47	20.45	21.5	0		
10	QPSK	1	25	20.36	20.34	20.46				
10	QPSK	1	49	20.35	20.53	20.43				
10	QPSK	25	0	20.46	20.56	20.26				
10	QPSK	25	12	20.29	20.34	20.22	21.5	0		
10	QPSK	25	25	20.31	20.19	20.39				
10	QPSK	50	0	20.19	20.25	20.24				
10	16QAM	1	0	20.44	20.40	20.49	21.5	0		
10	16QAM	1	25	20.42	20.39	20.35				
10	16QAM	1	49	20.36	20.47	20.48				
10	16QAM	50	0	20.45	20.42	20.38	21.5	0		
10	16QAM	25	12	20.35	20.40	20.42				
10	16QAM	25	25	20.30	20.29	20.28				
10	16QAM	50	0	20.45	20.31	20.33				
10	64QAM	1	0	20.30	20.24	20.28	21.5	0		
10	64QAM	1	25	20.40	20.30	20.41				
10	64QAM	1	49	20.43	20.37	20.44				
10	64QAM	25	0	19.92	20.29	20.20				
10	64QAM	25	12	20.42	20.24	20.37	21.5	0		
10	64QAM	25	25	19.88	20.12	20.17				
10	64QAM	50	0	19.94	20.18	20.19				
Channel				19975	20175	20375	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1712.5	1732.5	1752.5				
5	QPSK	1	0	20.52	20.51	20.41	21.5	0		
5	QPSK	1	12	20.38	20.33	20.46				
5	QPSK	1	24	20.34	20.47	20.47				
5	QPSK	12	0	20.48	20.50	20.26				
5	QPSK	12	7	20.26	20.24	20.20	21.5	0		
5	QPSK	12	13	20.36	20.29	20.43				
5	QPSK	25	0	20.20	20.31	20.24				
5	16QAM	1	0	20.39	20.44	20.43	21.5	0		
5	16QAM	1	12	20.41	20.38	20.36				
5	16QAM	1	24	20.47	20.45	20.46				
5	16QAM	12	0	20.37	20.38	20.31				
5	16QAM	12	7	20.27	20.39	20.39	21.5	0		
5	16QAM	12	13	20.27	20.27	20.31				
5	64QAM	25	0	20.42	20.29	20.36	21.5	0		
5	64QAM	1	0	20.31	20.30	20.36				
5	64QAM	1	12	20.37	20.35	20.39				
5	64QAM	1	24	20.37	20.37	20.48				
5	64QAM	12	0	19.81	20.22	20.23				
5	64QAM	12	7	19.99	20.16	20.36	21.5	0		
5	64QAM	12	13	19.87	20.12	20.26				
5	64QAM	25	0	19.90	20.18	20.14				
Channel				19955	20175	20395	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1710.7	1732.5	1754.3				
1.4	QPSK	1	0	20.45	20.53	20.50	21.5	0		
1.4	QPSK	1	3	20.33	20.36	20.56				
1.4	QPSK	1	5	20.35	20.47	20.45				
1.4	QPSK	3	0	20.44	20.27	20.27				
1.4	QPSK	3	1	20.25	20.22	20.30				
1.4	QPSK	3	3	20.33	20.30	20.36				
1.4	QPSK	6	0	20.22	20.35	20.20	21.5	0		
1.4	16QAM	1	0	20.44	20.38	20.41				
1.4	16QAM	1	3	20.44	20.45	20.47				
1.4	16QAM	1	5	20.40	20.39	20.41				
1.4	16QAM	3	0	20.37	20.35	20.36	21.5	0		
1.4	16QAM	3	1	20.25	20.26	20.32				
1.4	16QAM	3	3	20.28	20.33	20.24				
1.4	16QAM	6	0	20.37	20.28	20.29	21.5	0		
1.4	64QAM	1	0	20.25	20.25	20.35				
1.4	64QAM	1	3	20.43	20.35	20.36				
1.4	64QAM	1	5	20.36	20.30	20.45				
1.4	64QAM	3	0	19.83	20.29	20.27	21.5	0		
1.4	64QAM	3	1	20.03	20.16	20.29				
1.4	64QAM	3	3	19.91	20.15	20.22				
1.4	64QAM	6	0	19.99	20.27	20.25	21.5	0		

Band 7_Ant14										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dBm)	MPR (dB)		
Channel				20850	21100	21350				
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	20.82	20.80	20.54	21.5	0		
20	QPSK	1	49	20.83	20.69	20.65				
20	QPSK	1	99	20.56	20.56	20.62				
20	QPSK	50	0	20.52	20.68	20.55	21.5	0		
20	QPSK	50	24	20.39	20.34	20.44				
20	QPSK	50	50	20.46	20.34	20.60				
20	QPSK	100	0	20.33	20.44	20.29				
20	16QAM	1	0	20.52	20.56	20.53	21.5	0		
20	16QAM	1	49	20.48	20.55	20.58				
20	16QAM	1	99	20.50	20.56	20.60				
20	16QAM	50	0	20.57	20.48	20.43				
20	16QAM	50	24	20.47	20.49	20.55	21.5			



DSI 2 Power

Band 4_Ant31											
BW (MHz)	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)				20200	20175	20300					
20	QPSK	1	0	20.55	20.58	20.53					
20	QPSK	1	49	20.46	20.59	20.57	21.5	0			
20	QPSK	1	99	20.47	20.54	20.52					
20	QPSK	50	0	20.52	20.58	20.41					
20	QPSK	50	24	20.31	20.36	20.33					
20	QPSK	50	50	20.42	20.32	20.49	21.5	0			
20	QPSK	100	0	20.31	20.38	20.30					
20	16QAM	1	0	20.45	20.49	20.54					
20	16QAM	1	49	20.46	20.48	20.48	21.5	0			
20	16QAM	1	99	20.48	20.49	20.49					
20	16QAM	50	0	20.50	20.44	20.38					
20	16QAM	50	24	20.37	20.46	20.44					
20	16QAM	50	50	20.31	20.36	20.36	21.5	0			
20	16QAM	100	0	20.46	20.41	20.40					
20	64QAM	1	0	20.32	20.37	20.40					
20	64QAM	1	49	20.49	20.39	20.49	21.5	0			
20	64QAM	1	99	20.48	20.38	20.53					
20	64QAM	50	0	19.93	20.31	20.31					
20	64QAM	50	24	20.36	20.36	20.36					
20	64QAM	50	50	19.95	20.23	20.31	21.5	0			
20	64QAM	100	0	20.01	20.29	20.26					
Channel											
Frequency (MHz)				20925	20175	20325					
15	QPSK	1	0	20.49	20.55	20.51					
15	QPSK	1	37	20.40	20.40	20.46	21.5	0			
15	QPSK	1	74	20.38	20.51	20.46					
15	QPSK	36	0	20.39	20.47	20.22					
15	QPSK	36	39	20.19	20.22	20.24	21.5	0			
15	QPSK	36	39	20.34	20.31	20.43					
15	QPSK	75	0	20.19	20.25	20.23					
15	16QAM	1	0	20.38	20.48	20.45					
15	16QAM	1	37	20.40	20.40	20.46	21.5	0			
15	16QAM	1	74	20.47	20.36	20.44					
15	16QAM	36	0	20.44	20.38	20.37					
15	16QAM	36	39	20.27	20.41	20.33	21.5	0			
15	16QAM	36	39	20.23	20.26	20.26					
15	16QAM	75	0	20.45	20.28	20.29					
15	64QAM	1	0	20.30	20.32	20.32					
15	64QAM	1	37	20.48	20.34	20.38	21.5	0			
15	64QAM	1	74	20.44	20.33	20.47					
15	64QAM	36	0	19.86	20.20	20.16					
15	64QAM	36	39	19.96	20.20	20.33	21.5	0			
15	64QAM	36	39	19.91	20.12	20.26					
15	64QAM	75	0	19.89	20.22	20.14					
Channel											
Frequency (MHz)				20900	20175	20350					
10	QPSK	1	0	20.46	20.47	20.45					
10	QPSK	1	25	20.36	20.34	20.45	21.5	0			
10	QPSK	1	49	20.35	20.53	20.43					
10	QPSK	25	0	20.46	20.56	20.26					
10	QPSK	25	12	20.29	20.34	20.22	21.5	0			
10	QPSK	25	25	20.31	20.19	20.39					
10	QPSK	50	0	20.19	20.25	20.24					
10	16QAM	1	0	20.44	20.40	20.49					
10	16QAM	1	25	20.42	20.39	20.35	21.5	0			
10	16QAM	1	49	20.36	20.47	20.48					
10	16QAM	25	0	20.42	20.42	20.42					
10	16QAM	25	12	20.35	20.40	20.42	21.5	0			
10	16QAM	25	25	20.30	20.29	20.28					
10	16QAM	50	0	20.45	20.31	20.33					
10	64QAM	1	0	20.30	20.24	20.28					
10	64QAM	1	25	20.40	20.30	20.41	21.5	0			
10	64QAM	1	49	20.43	20.37	20.44					
10	64QAM	25	0	19.92	20.56	20.27					
10	64QAM	25	12	19.96	20.34	20.37	21.5	0			
10	64QAM	25	25	19.89	20.12	20.18					
10	64QAM	50	0	19.94	20.18	20.19					
Channel											
Frequency (MHz)				19975	20175	20375					
5	QPSK	1	0	20.52	20.51	20.41					
5	QPSK	1	12	20.38	20.33	20.46	21.5	0			
5	QPSK	1	24	20.34	20.47	20.47					
5	QPSK	12	0	20.48	20.56	20.26					
5	QPSK	12	7	20.26	20.24	20.20	21.5	0			
5	QPSK	12	13	20.36	20.29	20.43					
5	QPSK	25	0	20.20	20.31	20.24					
5	16QAM	1	0	20.39	20.44	20.43					
5	16QAM	1	12	20.41	20.38	20.36	21.5	0			
5	16QAM	1	24	20.47	20.45	20.46					
5	16QAM	12	0	20.37	20.36	20.31					
5	16QAM	12	7	20.27	20.39	20.39	21.5	0			
5	16QAM	12	13	20.27	20.27	20.31					
5	16QAM	25	0	20.42	20.29	20.35					
5	64QAM	1	0	20.31	20.30	20.36					
5	64QAM	1	12	20.37	20.35	20.39	21.5	0			
5	64QAM	1	24	20.37	20.37	20.48					
5	64QAM	12	0	19.91	20.22	20.18					
5	64QAM	12	7	19.89	20.16	20.36	21.5	0			
5	64QAM	12	13	19.87	20.12	20.26					
5	64QAM	25	0	19.90	20.18	20.14					
Channel											
Frequency (MHz)				19957	20175	20393					
1.4	QPSK	1	0	20.45	20.53	20.50					
1.4	QPSK	1	3	20.33	20.36	20.56	21.5	0			
1.4	QPSK	1	5	20.35	20.47	20.45					
1.4	QPSK	3	0	20.44	20.57	20.30					
1.4	QPSK	3	1	20.25	20.22	20.30	21.5	0			
1.4	QPSK	3	3	20.33	20.30	20.36					
1.4	QPSK	6	0	20.22	20.35	20.20	21.5	0			
1.4	16QAM	1	0	20.44	20.38	20.41					
1.4	16QAM	1	3	20.44	20.45	20.47					
1.4	16QAM	1	5	20.40	20.39	20.41	21.5	0			
1.4	16QAM	3	0	20.37	20.35	20.36					
1.4	16QAM	3	1	20.25	20.36	20.32					
1.4	16QAM	3	3	20.28	20.33	20.24					
1.4	16QAM	6	0	20.37	20.28	20.29	21.5	0			
1.4	64QAM	1	0	20.25	20.25	20.35					
1.4	64QAM	1	3	20.43	20.35	20.36					
1.4	64QAM	1	5	20.36	20.30	20.45	21.5	0			
1.4	64QAM	3	0	19.83	20.22	20.27					
1.4	64QAM	3	1	20.03	20.16	20.29					
1.4	64QAM	3	3	19.91	20.15	20.22					
1.4	64QAM	6	0	19.99	20.27	20.25	21.5	0			

Band 7_Ant14										
BW (MHz)	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)				20850	21100	21350				
20	QPSK	1	0	12.11	12.39	12.25				
20	QPSK	1	49	12.37	12.47	12.43	13.5	0		
20	QPSK	1	99	12.13	12.16	12.14				
20	QPSK	50	0	12.17	12.37	12.34				
20	QPSK	50	24	12.15	12.29	12.30				
20	QPSK	50	50	12.12	12.36	12.30	13.5	0		
20	QPSK	100	0	12.03	12.22	12.17				
20	16QAM	1	0	12.16	12.13	12.28				
20	16QAM	1	49	11.86	12.16	12.19	13.5	0		
20	16QAM	1	99	12.04	12.25	12.21				
20	16QAM	50	0	12.19	12.27	12.29				
20	16QAM	50	24	12.12	12.33	12.21				
20	16QAM	50	50	12.06	12.28	12.31	13.5	0		
20	16QAM	100	0	12.22	12.20	12.27				
20	64QAM	1	0	12.20	12.25	12.28				
20	64QAM	1	49							



DSI 3 Power

Band 4_Ant31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	20.55	20.58	20.53	21.5	0	
20	QPSK	1	49	20.46	20.59	20.57			
20	QPSK	1	99	20.47	20.54	20.52			
20	QPSK	50	0	20.52	20.58	20.41			
20	QPSK	50	24	20.31	20.35	20.33	21.5	0	
20	QPSK	50	50	20.42	20.32	20.49			
20	QPSK	100	0	20.31	20.38	20.30			
20	16QAM	1	0	20.45	20.49	20.54	21.5	0	
20	16QAM	1	49	20.46	20.48	20.46			
20	16QAM	1	99	20.48	20.48	20.48			
20	16QAM	50	0	20.50	20.44	20.38			
20	16QAM	50	24	20.37	20.46	20.44	21.5	0	
20	16QAM	50	50	20.31	20.36	20.36			
20	16QAM	100	0	20.46	20.41	20.40			
20	64QAM	1	0	20.32	20.37	20.40	21.5	0	
20	64QAM	1	49	20.49	20.39	20.49			
20	64QAM	1	99	20.49	20.38	20.53			
20	64QAM	50	0	19.93	20.31	20.31	21.5	0	
20	64QAM	50	24	20.06	20.29	20.38			
20	64QAM	50	50	19.95	20.23	20.31			
20	64QAM	100	0	20.01	20.29	20.28			
Channel									
Frequency (MHz)									
15	QPSK	1	0	20.49	20.55	20.51	21.5	0	
15	QPSK	1	37	20.40	20.40	20.46			
15	QPSK	1	74	20.38	20.51	20.46			
15	QPSK	36	0	20.27	20.47	20.27	21.5	0	
15	QPSK	36	20	20.19	20.22	20.24			
15	QPSK	36	39	20.34	20.31	20.43			
15	QPSK	75	0	20.19	20.25	20.23			
15	16QAM	1	0	20.38	20.48	20.45	21.5	0	
15	16QAM	1	37	20.40	20.40	20.46			
15	16QAM	1	74	20.47	20.36	20.44			
15	16QAM	36	0	20.44	20.38	20.37	21.5	0	
15	16QAM	36	20	20.27	20.26	20.28			
15	16QAM	36	39	20.23	20.26	20.26			
15	16QAM	75	0	20.45	20.28	20.28			
15	64QAM	1	0	20.30	20.32	20.32	21.5	0	
15	64QAM	1	37	20.48	20.34	20.38			
15	64QAM	1	74	20.44	20.33	20.47			
15	64QAM	36	0	19.86	20.20	20.18	21.5	0	
15	64QAM	36	20	19.96	20.20	20.33			
15	64QAM	36	39	19.91	20.12	20.29			
15	64QAM	75	0	19.89	20.22	20.14			
Channel									
Frequency (MHz)									
10	QPSK	1	0	20.46	20.47	20.45	21.5	0	
10	QPSK	1	25	20.36	20.34	20.45			
10	QPSK	1	49	20.35	20.53	20.43			
10	QPSK	25	0	20.46	20.56	20.26	21.5	0	
10	QPSK	25	12	20.29	20.34	20.22			
10	QPSK	25	25	20.31	20.19	20.39			
10	QPSK	50	0	20.50	20.25	20.24	21.5	0	
10	16QAM	1	0	20.44	20.40	20.49			
10	16QAM	1	25	20.42	20.38	20.35			
10	16QAM	1	49	20.36	20.47	20.48			
10	16QAM	25	0	20.45	20.40	20.42	21.5	0	
10	16QAM	25	12	20.35	20.40	20.28			
10	16QAM	25	25	20.30	20.29	20.28			
10	16QAM	50	0	20.45	20.31	20.33			
10	64QAM	1	0	20.39	20.28	20.28	21.5	0	
10	64QAM	1	25	20.40	20.30	20.41			
10	64QAM	1	49	20.43	20.37	20.44			
10	64QAM	25	0	19.92	20.29	20.27	21.5	0	
10	64QAM	25	12	20.05	20.24	20.37			
10	64QAM	25	25	19.89	20.12	20.18			
10	64QAM	50	0	19.94	20.18	20.19			
Channel									
Frequency (MHz)									
5	QPSK	1	0	20.52	20.51	20.41	21.5	0	
5	QPSK	1	12	20.38	20.33	20.46			
5	QPSK	1	24	20.34	20.47	20.47			
5	QPSK	12	0	20.48	20.50	20.26	21.5	0	
5	QPSK	12	7	20.26	20.24	20.20			
5	QPSK	12	13	20.36	20.29	20.43			
5	QPSK	25	0	20.20	20.31	20.24			
5	16QAM	1	0	20.39	20.44	20.43	21.5	0	
5	16QAM	1	12	20.41	20.38	20.36			
5	16QAM	1	24	20.47	20.45	20.46			
5	16QAM	12	0	20.37	20.38	20.31	21.5	0	
5	16QAM	12	7	20.27	20.38	20.39			
5	16QAM	12	13	20.27	20.27	20.31			
5	16QAM	25	0	20.42	20.29	20.35			
5	64QAM	1	0	20.31	20.30	20.36	21.5	0	
5	64QAM	1	12	20.37	20.35	20.39			
5	64QAM	1	24	20.37	20.37	20.48			
5	64QAM	12	0	19.81	20.22	20.23	21.5	0	
5	64QAM	12	7	19.99	20.16	20.36			
5	64QAM	12	13	19.87	20.12	20.26			
5	64QAM	25	0	19.90	20.18	20.14			
Channel									
Frequency (MHz)									
3	QPSK	1	0	20.47	20.52	20.51	21.5	0	
3	QPSK	1	8	20.38	20.33	20.48			
3	QPSK	1	14	20.46	20.41	20.45			
3	QPSK	8	0	20.44	20.57	20.30	21.5	0	
3	QPSK	8	4	20.26	20.27	20.21			
3	QPSK	8	7	20.40	20.21	20.41			
3	QPSK	15	0	20.22	20.29	20.27			
3	16QAM	1	0	20.36	20.43	20.42	21.5	0	
3	16QAM	1	8	20.42	20.40	20.36			
3	16QAM	1	14	20.41	20.38	20.38			
3	16QAM	8	0	20.41	20.40	20.25			
3	16QAM	8	4	20.34	20.33	20.40	21.5	0	
3	16QAM	8	7	20.22	20.30	20.25			
3	16QAM	15	0	20.36	20.38	20.29			
3	64QAM	1	0	20.28	20.31	20.34	21.5	0	
3	64QAM	1	8	20.48	20.33	20.37			
3	64QAM	1	14	20.44	20.26	20.40			
3	64QAM	8	0	19.91	20.22	20.18	21.5	0	
3	64QAM	8	4	20.02	20.18	20.30			
3	64QAM	8	7	19.86	20.20	20.20			
3	64QAM	15	0	19.89	20.17	20.16			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	20.45	20.53	20.50	21.5	0	
1.4	QPSK	1	3	20.33	20.38	20.56			
1.4	QPSK	1	5	20.35	20.47	20.45			
1.4	QPSK	3	0	20.44	20.47	20.27	21.5	0	
1.4	QPSK	3	1	20.25	20.22	20.30			
1.4	QPSK	3	3	20.33	20.30	20.36			
1.4	QPSK	6	0	20.22	20.35	20.20	21.5	0	
1.4	16QAM	1	0	20.44	20.38	20.41			
1.4	16QAM	1	3	20.44	20.45	20.47			
1.4	16QAM	1	5	20.40	20.39	20.41	21.5	0	
1.4	16QAM	3	0	20.37	20.35	20.36			
1.4	16QAM	3	1	20.25	20.36	20.32			
1.4	16QAM	3	3	20.28	20.33	20.24	21.5	0	
1.4	16QAM	6	0	20.37	20.28	20.29			
1.4	64QAM	1	0	20.25	20.25	20.35			
1.4	64QAM	1	3	20.43	20.35	20.36	21.5	0	
1.4	64QAM	1	5	20.36	20.30	20.45			
1.4	64QAM	3	0	19.93	20.29	20.27			
1.4	64QAM	3	1	20.03	20.16	20.28			
1.4	64QAM	3	3	19.91	20.15	20.22			
1.4	64QAM	6	0	19.99	20.27	20.25	21.5	0	

Band 7_Ant14									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	11.10	11.48	11.32	12.5	0	
20	QPSK	1	49	11.42	11.60	11.53			
20	QPSK	1	99	11.11	11.18	11.19			
20	QPSK	50	0	11.25	11.42	11.38			
20	QPSK	50	24	11.21	11.36	11.33	12.5		



DSI 4 Power

Band 4_Ant31									
BW (MHz)	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)				20650	20175	20300			
20	QPSK	1	0	17.61	17.62	17.61	18.5	0	
20	QPSK	1	49	17.64	17.67	17.64			
20	QPSK	1	99	17.56	17.52	17.52			
20	QPSK	50	0	17.54	17.57	17.42	18.5	0	
20	QPSK	50	24	17.36	17.36	17.36			
20	QPSK	50	50	17.50	17.39	17.53			
20	QPSK	100	0	17.29	17.45	17.39	18.5	0	
20	16QAM	1	0	17.47	17.52	17.60			
20	16QAM	1	49	17.55	17.58	17.57			
20	16QAM	1	99	17.53	17.49	17.51	18.5	0	
20	16QAM	50	0	17.53	17.43	17.44			
20	16QAM	50	24	17.36	17.46	17.52			
20	16QAM	50	50	17.39	17.43	17.42	18.5	0	
20	16QAM	100	0	17.54	17.50	17.47			
20	16QAM	1	0	17.30	17.35	17.48			
20	64QAM	1	49	17.57	17.37	17.50	18.5	0	
20	64QAM	1	99	17.54	17.48	17.55			
20	64QAM	50	0	16.95	17.29	17.35			
20	64QAM	50	24	17.08	17.37	17.42	18.5	0	
20	64QAM	50	50	16.93	17.28	17.33			
20	64QAM	100	0	17.10	17.37	17.24			
Channel									
Frequency (MHz)				20025	20175	20325			
15	QPSK	1	0	17.65	17.60	17.55	18.5	0	
15	QPSK	1	37	17.56	17.42	17.61			
15	QPSK	1	74	17.49	17.57	17.51			
15	QPSK	36	0	17.53	17.59	17.34	18.5	0	
15	QPSK	36	20	17.39	17.42	17.40			
15	QPSK	36	39	17.47	17.40	17.52			
15	QPSK	75	0	17.39	17.39	17.40	18.5	0	
15	16QAM	1	0	17.54	17.46	17.61			
15	16QAM	1	37	17.44	17.46	17.57			
15	16QAM	1	74	17.51	17.56	17.47	18.5	0	
15	16QAM	36	0	17.51	17.51	17.42			
15	16QAM	36	20	17.37	17.56	17.51			
15	16QAM	36	39	17.32	17.34	17.39	18.5	0	
15	16QAM	75	0	17.56	17.42	17.47			
15	64QAM	1	0	17.38	17.44	17.45			
15	64QAM	1	37	17.50	17.49	17.61	18.5	0	
15	64QAM	1	74	17.48	17.38	17.61			
15	64QAM	36	0	17.02	17.28	17.37			
15	64QAM	36	20	17.16	17.32	17.46	18.5	0	
15	64QAM	36	39	17.05	17.29	17.38			
15	64QAM	75	0	17.00	17.33	17.31			
Channel									
Frequency (MHz)				20000	20175	20350			
10	QPSK	1	0	17.15	17.32.5	17.50	18.5	0	
10	QPSK	1	25	17.48	17.46	17.58			
10	QPSK	1	49	17.46	17.59	17.52			
10	QPSK	25	0	17.57	17.62	17.40	18.5	0	
10	QPSK	25	12	17.38	17.35	17.43			
10	QPSK	25	25	17.47	17.39	17.48			
10	QPSK	50	0	17.30	17.40	17.29	18.5	0	
10	16QAM	1	0	17.51	17.58	17.54			
10	16QAM	1	25	17.49	17.51	17.49			
10	16QAM	1	49	17.47	17.58	17.49	18.5	0	
10	16QAM	25	0	17.50	17.46	17.47			
10	16QAM	25	12	17.38	17.46	17.47			
10	16QAM	25	25	17.34	17.34	17.35	18.5	0	
10	16QAM	50	0	17.48	17.47	17.46			
10	16QAM	50	0	17.32	17.43	17.43			
10	64QAM	1	25	17.54	17.44	17.49	18.5	0	
10	64QAM	1	49	17.47	17.44	17.56			
10	64QAM	25	0	16.91	17.40	17.40			
10	64QAM	25	12	17.32	17.32	17.36	18.5	0	
10	64QAM	25	25	17.05	17.28	17.36			
10	64QAM	50	0	17.11	17.28	17.31			
Channel									
Frequency (MHz)				19975	20175	20375			
5	QPSK	1	0	17.64	17.61	17.51	18.5	0	
5	QPSK	1	12	17.49	17.43	17.63			
5	QPSK	1	24	17.57	17.57	17.51			
5	QPSK	12	0	17.55	17.60	17.39	18.5	0	
5	QPSK	12	7	17.29	17.44	17.39			
5	QPSK	12	13	17.40	17.49	17.49			
5	QPSK	25	0	17.37	17.41	17.30	18.5	0	
5	16QAM	1	0	17.49	17.57	17.52			
5	16QAM	1	12	17.53	17.56	17.51			
5	16QAM	1	24	17.48	17.52	17.49	18.5	0	
5	16QAM	12	0	17.54	17.46	17.38			
5	16QAM	12	7	17.42	17.49	17.44			
5	16QAM	12	13	17.34	17.40	17.46	18.5	0	
5	16QAM	25	0	17.51	17.41	17.39			
5	64QAM	1	0	17.40	17.39	17.45			
5	64QAM	1	12	17.57	17.48	17.58	18.5	0	
5	64QAM	1	24	17.58	17.39	17.59			
5	64QAM	12	0	16.93	17.34	17.34			
5	64QAM	12	7	17.04	17.38	17.43	18.5	0	
5	64QAM	12	13	17.02	17.22	17.35			
5	64QAM	25	0	17.08	17.28	17.29			
Channel									
Frequency (MHz)				19955	20175	20385			
3	QPSK	1	0	17.53	17.61	17.59	18.5	0	
3	QPSK	1	8	17.44	17.49	17.58			
3	QPSK	1	14	17.47	17.60	17.56			
3	QPSK	8	0	17.50	17.61	17.41	18.5	0	
3	QPSK	8	4	17.36	17.37	17.42			
3	QPSK	8	7	17.52	17.36	17.50			
3	QPSK	15	0	17.36	17.41	17.40	18.5	0	
3	16QAM	1	0	17.47	17.49	17.54			
3	16QAM	1	8	17.49	17.57	17.48			
3	16QAM	1	14	17.50	17.47	17.49	18.5	0	
3	16QAM	8	0	17.58	17.47	17.41			
3	16QAM	8	4	17.36	17.65	17.47			
3	16QAM	8	7	17.39	17.36	17.41	18.5	0	
3	16QAM	15	0	17.53	17.49	17.45			
3	64QAM	1	0	17.32	17.41	17.45			
3	64QAM	1	8	17.47	17.46	17.49	18.5	0	
3	64QAM	1	14	17.57	17.47	17.62			
3	64QAM	8	0	16.97	17.29	17.38			
3	64QAM	8	7	17.08	17.37	17.43	18.5	0	
3	64QAM	8	7	16.93	17.22	17.28			
3	64QAM	15	0	17.01	17.32	17.35			
Channel									
Frequency (MHz)				19957	20175	20393			
1.4	QPSK	1	0	17.54	17.60	17.63	18.5	0	
1.4	QPSK	1	3	17.51	17.44	17.67			
1.4	QPSK	1	5	17.46	17.57	17.61			
1.4	QPSK	3	0	17.54	17.57	17.38	18.5	0	
1.4	QPSK	3	1	17.41	17.40	17.32			
1.4	QPSK	3	3	17.40	17.35	17.55			
1.4	QPSK	6	0	17.38	17.48	17.28	18.5	0	
1.4	16QAM	1	0	17.53	17.49	17.56			
1.4	16QAM	1	3	17.48	17.52	17.56			
1.4	16QAM	1	5	17.56	17.49	17.54	18.5	0	
1.4	16QAM	3	0	17.51	17.54	17.46			
1.4	16QAM	3	1	17.41	17.56	17.48			
1.4	16QAM	3	3	17.36	17.29	17.46	18.5	0	
1.4	16QAM	6	0	17.51	17.43	17.41			
1.4	64QAM	1	0	17.42	17.36	17.50			
1.4	64QAM	1	3	17.54	17.39	17.56	18.5	0	
1.4	64QAM	1	5	17.56	17.38	17.58			
1.4	64QAM	3	0	16.97	17.37	17.29			
1.4	64QAM	3	1	17.04	17.30	17.47	18.5	0	
1.4	64QAM	3	3	17.03	17.29	17.35			
1.4	64QAM	6	0	16.99	17.33	17.36			

Band 7_Ant14									
BW (MHz)	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)				20850	21100	21350			
20	QPSK	1	0	17.05	17.34	17.25	18.5	0	
20	QPSK	1	49	17.33	17.43	17.40			
20	QPSK	1	99	17.26	17.35	17.23			
20	QPSK	50	0	17.27	17.37	17.30	18.5	0	
20	16QAM	50	24	17.25	17.33	17.23			
20	16QAM	50	50	17.23	17.31	17.18			
20	QPSK	100	0	17.21	17.34	17.24	18.5	0	
20	16QAM	1	0	17.14	17.28	17.20			
20	16QAM	1	49	17.14	17.29	17.20			
20	16QAM	1	99	17.09	17.27	17.22	18.5	0	
20	16QAM	50	0	17.10	17.26	17.22			
20	16QAM	50	24	17.18	17.31	17.20			
20	16QAM	50	50	17.03	17.31	17.24	18.5		



DSI 5& DSI6 Power

Band 4_Ant31										
BW (MHz)	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	16.02	16.14	16.09				
20	QPSK	1	49	16.13	16.24	16.11	17	0		
20	QPSK	1	99	16.07	16.06	16.04				
20	QPSK	50	0	16.04	16.13	16.09				
20	QPSK	50	24	15.93	15.91	15.85	17	0		
20	QPSK	50	24	15.97	15.91	16.03				
20	QPSK	100	0	15.88	15.99	15.97				
20	16QAM	1	0	16.06	16.05	16.15				
20	16QAM	1	49	16.10	16.04	16.09	17	0		
20	16QAM	1	99	16.11	16.01	16.08				
20	16QAM	50	0	16.12	16.08	15.96				
20	16QAM	50	24	15.91	15.99	16.00	17	0		
20	16QAM	50	50	15.84	15.92	15.88				
20	16QAM	100	0	16.06	16.00	15.94				
20	64QAM	1	0	15.84	15.99	15.92				
20	64QAM	1	49	16.04	16.00	16.01	17	0		
20	64QAM	1	99	16.05	16.02	16.12				
20	64QAM	50	0	15.51	15.94	15.85				
20	64QAM	50	24	15.62	15.91	15.92	17	0		
20	64QAM	50	50	15.50	15.86	15.95				
20	64QAM	100	0	15.59	15.86	15.86				
Channel										
Frequency (MHz)										
15	QPSK	1	0	16.07	16.20	16.14				
15	QPSK	1	37	16.08	15.96	16.06	17	0		
15	QPSK	1	74	16.00	16.12	16.06				
15	QPSK	36	0	16.08	16.11	15.96				
15	QPSK	36	20	15.87	15.88	15.91	17	0		
15	QPSK	36	39	15.97	15.89	16.13				
15	QPSK	75	0	15.94	15.95	15.89				
15	16QAM	1	0	15.99	16.05	16.16				
15	16QAM	1	37	16.00	16.10	16.07	17	0		
15	16QAM	1	74	16.03	16.02	16.15				
15	16QAM	36	0	16.11	16.05	16.00				
15	16QAM	36	20	16.00	16.09	16.03	17	0		
15	16QAM	36	39	15.86	15.92	15.96				
15	16QAM	75	0	15.99	16.05	15.99				
15	64QAM	1	0	15.87	15.89	15.93				
15	64QAM	1	37	16.08	15.93	16.03	17	0		
15	64QAM	1	74	16.00	16.02	16.06				
15	64QAM	36	0	15.51	15.85	15.87				
15	64QAM	36	20	15.66	15.81	15.81	17	0		
15	64QAM	36	39	15.57	15.85	15.95				
15	64QAM	75	0	15.60	15.88	15.78				
Channel										
Frequency (MHz)										
10	QPSK	1	0	16.13	16.18	16.09				
10	QPSK	1	25	16.00	16.08	16.18	17	0		
10	QPSK	1	49	16.04	16.17	16.04				
10	QPSK	25	0	16.11	16.17	16.00				
10	QPSK	25	12	15.86	15.96	15.95	17	0		
10	QPSK	25	25	16.01	15.96	16.10				
10	QPSK	50	0	15.91	16.02	15.84				
10	16QAM	1	0	16.08	16.05	16.16				
10	16QAM	1	25	16.07	16.03	16.02	17	0		
10	16QAM	1	49	16.07	16.07	16.01				
10	16QAM	25	0	16.06	16.07	15.95				
10	16QAM	25	12	16.00	16.06	15.97	17	0		
10	16QAM	25	25	15.91	15.93	15.96				
10	16QAM	50	0	15.83	15.89	15.98				
10	64QAM	1	25	16.11	15.96	16.04	17	0		
10	64QAM	1	49	16.06	15.98	16.09				
10	64QAM	25	0	15.55	15.92	15.83				
10	64QAM	25	12	15.59	15.85	15.96	17	0		
10	64QAM	25	25	15.57	15.86	15.84				
10	64QAM	50	0	15.85	15.93	15.83				
Channel										
Frequency (MHz)										
5	QPSK	1	0	16.13	16.12	16.10				
5	QPSK	1	12	16.00	16.00	16.15	17	0		
5	QPSK	1	24	16.04	16.10	16.12				
5	QPSK	12	0	16.08	16.18	15.94				
5	QPSK	12	7	15.87	15.95	15.88	17	0		
5	QPSK	12	13	15.98	15.89	16.01				
5	QPSK	25	0	15.88	15.93	15.82				
5	16QAM	1	0	16.00	16.07	16.16				
5	16QAM	1	12	16.07	16.06	16.07	17	0		
5	16QAM	1	24	16.01	16.12	16.05				
5	16QAM	12	0	16.08	16.02	16.01				
5	16QAM	12	7	15.90	16.04	16.08				
5	16QAM	12	13	15.85	15.89	15.95	17	0		
5	16QAM	25	0	16.01	15.95	15.99				
5	16QAM	25	0	15.91	15.93	16.03				
5	64QAM	1	12	16.01	15.95	16.07	17	0		
5	64QAM	1	24	16.02	15.94	16.06				
5	64QAM	12	0	15.52	15.93	15.96				
5	64QAM	12	7	15.63	15.82	15.93	17	0		
5	64QAM	12	13	15.57	15.82	15.86				
5	64QAM	25	0	15.62	15.91	15.79				
Channel										
Frequency (MHz)										
3	QPSK	1	0	16.11	16.15	16.15				
3	QPSK	1	8	16.01	16.08	16.13	17	0		
3	QPSK	1	14	16.02	16.17	16.11				
3	QPSK	3	0	16.12	16.16	16.07				
3	QPSK	3	4	15.95	15.94	15.94	17	0		
3	QPSK	8	7	15.97	15.95	16.04				
3	QPSK	15	0	15.85	15.99	15.89				
3	16QAM	1	0	16.00	16.13	16.16				
3	16QAM	1	8	16.04	16.08	16.09	17	0		
3	16QAM	1	14	16.11	16.07	16.09				
3	16QAM	8	0	16.10	16.01	15.91				
3	16QAM	8	4	15.99	16.06	15.96	17	0		
3	16QAM	8	7	15.84	15.92	15.95				
3	16QAM	15	0	16.02	16.00	16.02				
3	64QAM	1	0	15.87	15.91	16.01				
3	64QAM	1	8	16.12	16.02	16.10	17	0		
3	64QAM	1	14	16.02	16.02	16.10				
3	64QAM	8	0	15.47	15.86	15.88				
3	64QAM	8	4	15.59	15.89	16.00	17	0		
3	64QAM	8	7	15.55	15.87	15.86				
3	64QAM	15	0	15.57	15.87	15.83				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	16.07	16.12	16.11				
1.4	QPSK	1	3	16.01	16.01	16.11	17	0		
1.4	QPSK	1	5	16.04	16.15	16.04				
1.4	QPSK	3	0	16.07	16.14	15.95				
1.4	QPSK	3	1	15.90	15.93	15.93				
1.4	QPSK	3	3	16.00	15.94	16.03				
1.4	QPSK	8	0	15.88	15.96	15.82	17	0		
1.4	16QAM	1	0	15.99	16.13	16.09				
1.4	16QAM	1	3	16.07	16.03	16.12				
1.4	16QAM	1	5	16.11	16.06	16.08	17	0		
1.4	16QAM	3	0	16.09	16.02	15.98				
1.4	16QAM	3	1	15.85	16.01	16.05				
1.4	16QAM	3	3	15.86	15.97	15.95				
1.4	16QAM	8	0	16.10	15.95	15.97	17	0		
1.4	64QAM	1	0	15.86	15.96	15.96				
1.4	64QAM	1	3	16.03	15.99	16.12				
1.4	64QAM	1	5	16.10	15.96	16.17				
1.4	64QAM	3	0	15.52	15.92	15.91	17	0		
1.4	64QAM	3	1	15.69	15.93	15.93				
1.4	64QAM	3	3	15.52	15.78	15.86				
1.4	64QAM	8	0	15.81	15.81	15.86	17	0		

Band 7_Ant14										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		



DSI 7 Power

Band 7_Ant14									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	20.62	20.60	20.54	21.5	0	
20	QPSK	1	49	20.63	20.69	20.85			
20	QPSK	1	99	20.56	20.56	20.62			
20	QPSK	50	0	20.62	20.68	20.65	21.5	0	
20	QPSK	50	24	20.39	20.34	20.44			
20	QPSK	50	50	20.46	20.34	20.60			
20	QPSK	100	0	20.33	20.44	20.29	21.5	0	
20	16QAM	1	0	20.52	20.56	20.53			
20	16QAM	1	49	20.48	20.55	20.56			
20	16QAM	1	99	20.50	20.56	20.60	21.5	0	
20	16QAM	50	0	20.57	20.48	20.43			
20	16QAM	50	24	20.47	20.49	20.55			
20	16QAM	50	50	20.40	20.41	20.36	21.5	0	
20	16QAM	100	0	20.48	20.52	20.45			
20	64QAM	1	0	20.31	20.40	20.40			
20	64QAM	1	49	20.52	20.40	20.50	21.5	0	
20	64QAM	1	99	20.59	20.45	20.64			
20	64QAM	50	0	19.93	20.42	20.32			
20	64QAM	50	24	20.12	20.31	20.42	21.5	0	
20	64QAM	50	50	19.96	20.27	20.37			
20	64QAM	100	0	20.00	20.33	20.36			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	20.60	20.68	20.58	21.5	0	
15	QPSK	1	37	20.52	20.48	20.64			
15	QPSK	1	74	20.50	20.65	20.53			
15	QPSK	36	0	20.56	20.67	20.31	21.5	0	
15	QPSK	36	20	20.35	20.46	20.37			
15	QPSK	36	39	20.49	20.34	20.60			
15	QPSK	75	0	20.40	20.39	20.30	21.5	0	
15	16QAM	1	0	20.52	20.50	20.55			
15	16QAM	1	37	20.50	20.56	20.54			
15	16QAM	1	74	20.55	20.48	20.56	21.5	0	
15	16QAM	36	0	20.60	20.54	20.38			
15	16QAM	36	20	20.38	20.57	20.49			
15	16QAM	36	39	20.39	20.42	20.44	21.5	0	
15	16QAM	75	0	20.47	20.48	20.51			
15	64QAM	1	0	20.34	20.42	20.40			
15	64QAM	1	37	20.58	20.45	20.53	21.5	0	
15	64QAM	1	74	20.53	20.49	20.54			
15	64QAM	36	0	20.03	20.38	20.37			
15	64QAM	36	20	20.05	20.36	20.48	21.5	0	
15	64QAM	36	39	19.94	20.32	20.35			
15	64QAM	75	0	20.11	20.33	20.30			
Channel				20900	21100	21300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	20.54	20.64	20.57	21.5	0	
10	QPSK	1	25	20.52	20.50	20.56			
10	QPSK	1	49	20.52	20.56	20.58			
10	QPSK	25	0	20.53	20.62	20.36	21.5	0	
10	QPSK	25	12	20.41	20.46	20.40			
10	QPSK	25	25	20.44	20.37	20.60			
10	QPSK	50	0	20.41	20.43	20.37	21.5	0	
10	16QAM	1	0	20.46	20.55	20.59			
10	16QAM	1	25	20.54	20.55	20.52			
10	16QAM	1	49	20.47	20.56	20.48	21.5	0	
10	16QAM	25	0	20.55	20.52	20.37			
10	16QAM	25	12	20.43	20.53	20.52			
10	16QAM	25	25	20.35	20.42	20.37	21.5	0	
10	16QAM	50	0	20.54	20.48	20.40			
10	64QAM	1	0	20.36	20.47	20.50			
10	64QAM	1	25	20.53	20.49	20.59	21.5	0	
10	64QAM	1	49	20.57	20.44	20.62			
10	64QAM	25	0	19.98	20.40	20.32			
10	64QAM	25	12	20.07	20.35	20.47	21.5	0	
10	64QAM	25	25	20.00	20.33	20.39			
10	64QAM	50	0	20.06	20.34	20.36			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	20.55	20.64	20.56	21.5	0	
5	QPSK	1	12	20.53	20.55	20.62			
5	QPSK	1	24	20.53	20.61	20.54			
5	QPSK	12	0	20.55	20.62	20.31	21.5	0	
5	QPSK	12	7	20.41	20.43	20.40			
5	QPSK	12	13	20.51	20.41	20.56			
5	QPSK	25	0	20.34	20.44	20.32	21.5	0	
5	16QAM	1	0	20.55	20.56	20.62			
5	16QAM	1	12	20.48	20.50	20.50			
5	16QAM	1	24	20.47	20.53	20.60	21.5	0	
5	16QAM	12	0	20.61	20.51	20.47			
5	16QAM	12	7	20.47	20.55	20.46			
5	16QAM	12	13	20.39	20.51	20.42	21.5	0	
5	16QAM	25	0	20.47	20.48	20.38			
5	64QAM	1	0	20.38	20.46	20.49			
5	64QAM	1	12	20.57	20.41	20.55	21.5	0	
5	64QAM	1	24	20.49	20.48	20.59			
5	64QAM	12	0	19.96	20.36	20.38			
5	64QAM	12	7	20.09	20.39	20.47	21.5	0	
5	64QAM	12	13	20.05	20.22	20.30			
5	64QAM	25	0	20.08	20.28	20.33			

Band 7_Ant12									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	20.61	20.63	20.56	21.5	0	
20	QPSK	1	49	20.68	20.71	20.65			
20	QPSK	1	99	20.56	20.53	20.61			
20	QPSK	50	0	20.57	20.67	20.63	21.5	0	
20	QPSK	50	24	20.36	20.43	20.36			
20	QPSK	50	50	20.44	20.42	20.58			
20	QPSK	100	0	20.33	20.48	20.41	21.5	0	
20	16QAM	1	0	20.50	20.54	20.59			
20	16QAM	1	49	20.51	20.53	20.51			
20	16QAM	1	99	20.55	20.54	20.57	21.5	0	
20	16QAM	50	0	20.55	20.45	20.38			
20	16QAM	50	24	20.38	20.52	20.49			
20	16QAM	50	50	20.35	20.37	20.42	21.5	0	
20	16QAM	100	0	20.50	20.44	20.39			
20	64QAM	1	0	20.32	20.43	20.41			
20	64QAM	1	49	20.53	20.47	20.48	21.5	0	
20	64QAM	1	99	20.52	20.47	20.58			
20	64QAM	50	0	19.94	20.40	20.34			
20	64QAM	50	24	20.05	20.38	20.38	21.5	0	
20	64QAM	50	50	20.05	20.31	20.31			
20	64QAM	100	0	20.02	20.30	20.35			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	20.57	20.65	20.55	21.5	0	
15	QPSK	1	37	20.49	20.45	20.57			
15	QPSK	1	74	20.54	20.53	20.54			
15	QPSK	36	0	20.52	20.64	20.39	21.5	0	
15	QPSK	36	20	20.31	20.38	20.44			
15	QPSK	36	39	20.41	20.32	20.56			
15	QPSK	75	0	20.42	20.44	20.35	21.5	0	
15	16QAM	1	0	20.50	20.58	20.58			
15	16QAM	1	37	20.46	20.47	20.55			
15	16QAM	1	74	20.49	20.54	20.55	21.5	0	
15	16QAM	36	0	20.49	20.50	20.42			
15	16QAM	36	20	20.48	20.56	20.54			
15	16QAM	36	39	20.38	20.40	20.42	21.5	0	
15	16QAM	75	0	20.48	20.41	20.49			
15	64QAM	1	0	20.43	20.41	20.46			
15	64QAM	1	37	20.49	20.44	20.48	21.5	0	
15	64QAM	1	74	20.54	20.39	20.62			
15	64QAM	36	0	20.01	20.32	20.35			
15	64QAM	36	20	20.11	20.38	20.38	21.5	0	
15	64QAM	36	39	20.04	20.34	20.41			
15	64QAM	75	0	20.07	20.35	20.31			
Channel				20900	21100	21300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	20.58	20.62	20.60	21.5	0	
10	QPSK	1	25	20.50	20.43	20.56			
10	QPSK	1	49	20.58	20.65	20.62			
10	QPSK	25	0	20.60	20.57	20.35	21.5	0	
10	QPSK	25	12	20.38	20.46	20.33			
10	QPSK	25	25	20.43	20.39	20.54			
10	QPSK	50	0	20.39	20.37	20.33	21.5	0	
10	16QAM	1	0	20.47					



Downlink CA Power

2CC		PCC						SCC				Power	
CA Configuration (BCS)	LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)
CA_66A-66A	Band 66	20M	1745	132322	QPSK	1	0	Band 66	20M	2155	66886	23.20	23.35
CA_4A-4A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	23.18	23.31
CA_41A-41A	Band 41	20M	2593	40620	QPSK	1	0	Band 41	20M	2680	41490	23.48	23.71
CA_2A-4A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	21.95	22.29
CA_2A-5A	Band 2	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	22.06	22.29
CA_4A-5A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 5	10M	881.5	2525	23.13	23.31
CA_2A-7A	Band 2	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	22.14	22.29
CA_4A-7A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	23.05	23.31
CA_5A-7A	Band 5	10M	836.5	20525	QPSK	1	0	Band 7	20M	2655	3100	23.41	23.67
CA_2A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	21.99	22.29
CA_7A-66A	Band 7	20M	2535	21100	QPSK	1	0	Band 66	20M	2155	66886	23.27	23.61
CA_7C	Band 7	20M	2535	21100	QPSK	1	0	Band 7	20M	2674.80	3298	23.35	23.61
CA_38C	Band 38	20M	2580	37850	QPSK	1	0	Band 38	20M	2599.80	38048	23.46	23.70
CA_41C	Band 41	20M	2593	40620	QPSK	1	0	Band 41	20M	2612.80	40818	23.52	23.71
CA_66C	Band 66	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.80	67084	23.22	23.35

3CC		PCC						SCC1				SCC2				Power	
CA Configuration (BCS)	LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)
CA_2A-7A-7A	Band 2	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	22.08	22.29
CA_5A-7A-66A	Band 5	10M	836.5	20525	QPSK	1	0	Band 7	20M	2655	3100	Band 66	5M	2197.5	67311	23.50	23.67
CA_7A-66A-66A	Band 7	20M	2535	21100	QPSK	1	0	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	23.41	23.61
CA_5A-66A-66A	Band 5	10M	836.5	20525	QPSK	1	0	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	23.33	23.67
CA_4A-7C	Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	23.06	23.31
CA_2A-7C	Band 2	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	22.11	22.29
CA_5A-7C	Band 5	10M	836.5	20525	QPSK	1	0	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	23.24	23.67
CA_41D	Band 41	20M	2593	40620	QPSK	1	0	Band 41	20M	2612.8	40818	Band 41	20M	2632.6	41016	23.46	23.71

4CC		PCC						SCC1				SCC2				SCC3				Power	
CA Configuration (BCS)	LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)
CA_7C-66A-66A	Band 7	20M	2535	21100	QPSK	1	0	Band 7	20M	2674.80	3298	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	23.28	23.61



Full Power for 5GNR

n2_Ant14

BW (MHz)	Modulation	RS Size	RS Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Turn-up limit (dBm)	MPR (dB)
Channel								
20	PB-SSB	1	1	21.80	21.76	21.86		0.0
Frequency (MHz)								
20	PB-SSB	1	1	21.80	21.76	21.86	25.2	0.0
20	PB-SSB	1	104	21.85	21.85	21.85		0.0
20	PB-SSB	50	0	21.81	21.85	21.83	22.7	0.5
20	PB-SSB	50	28	21.82	21.84	21.82	22.7	0.5
20	PB-SSB	50	56	21.82	21.83	21.82	22.7	0.5
20	PB-SSB	100	0	21.80	21.80	21.84		0.0
20	PB-SSB	100	0	21.80	21.80	21.84	25.2	0.0
20	QPSK	1	1	21.83	21.74	21.79		0.0
20	QPSK	1	104	21.85	21.85	21.85		0.0
20	QPSK	50	0	21.79	21.88	21.88	22.2	1.0
20	QPSK	50	28	21.81	21.81	21.82	22.2	1.0
20	QPSK	50	56	21.82	21.83	21.82	22.2	1.0
20	QPSK	100	0	21.81	21.81	21.84		0.0
20	QPSK	100	0	21.81	21.81	21.84	25.2	0.0
20	HD-FDM	1	1	21.85	21.89	21.83	22.2	1.0
20	HD-FDM	1	1	19.05	19.05	19.11	20.7	2.5
20	HD-FDM	1	1	17.75	17.58	17.62	19.7	4.5
Channel								
15	PB-SSB	1	1	21.86	21.84	21.92	23.2	0.0
Frequency (MHz)								
15	PB-SSB	1	1	21.86	21.84	21.92	23.2	0.0
Channel								
10	PB-SSB	1	1	21.86	21.85	21.87	23.2	0.0
Frequency (MHz)								
10	PB-SSB	1	1	21.86	21.85	21.87	23.2	0.0
Channel								
5	PB-SSB	1	1	21.80	21.79	21.79	23.2	0.0

n2_Ant31

BW (MHz)	Modulation	RS Size	RS Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Turn-up limit (dBm)	MPR (dB)
Channel								
20	PB-SSB	1	1	22.08	22.05	22.09		0.0
Frequency (MHz)								
20	PB-SSB	1	1	22.08	22.05	22.09	23.0	0.0
20	PB-SSB	1	104	22.05	22.05	22.05		0.0
20	PB-SSB	50	0	22.09	22.09	22.05	22.5	0.5
20	PB-SSB	50	28	22.09	22.07	22.05	22.5	0.5
20	PB-SSB	50	56	22.07	22.03	22.07	22.5	0.5
20	PB-SSB	100	0	22.07	22.07	22.04		0.0
20	PB-SSB	100	0	22.07	22.07	22.04	25.2	0.0
20	QPSK	1	1	22.09	22.04	22.07		0.0
20	QPSK	1	104	22.05	22.05	22.05		0.0
20	QPSK	50	0	22.05	22.09	22.09	22.0	1.0
20	QPSK	50	28	22.05	22.01	22.06	22.0	1.0
20	QPSK	50	56	22.07	22.03	22.04	22.0	1.0
20	QPSK	100	0	22.07	22.07	22.04		0.0
20	QPSK	100	0	22.07	22.07	22.04	25.2	0.0
20	HD-FDM	1	1	22.01	22.05	22.01	22.0	1.0
20	HD-FDM	1	1	19.20	19.20	19.20	20.5	2.5
20	HD-FDM	1	1	17.81	17.83	17.85	19.5	4.5
Channel								
15	PB-SSB	1	1	22.21	22.14	22.12	23.0	0.0
Frequency (MHz)								
15	PB-SSB	1	1	22.21	22.11	22.12	23.0	0.0
Channel								
10	PB-SSB	1	1	22.02	22.00	22.00	23.0	0.0
Frequency (MHz)								
10	PB-SSB	1	1	22.02	22.01	22.01	23.0	0.0
Channel								
5	PB-SSB	1	1	22.02	22.11	22.10	23.0	0.0

n5_Ant11

BW (MHz)	Modulation	RS Size	RS Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Turn-up limit (dBm)	MPR (dB)
Channel								
20	PB-SSB	1	1	23.08	23.08	23.07		0.0
Frequency (MHz)								
20	PB-SSB	1	1	23.08	23.08	23.07	24.7	0.0
20	PB-SSB	1	104	23.05	23.05	23.05		0.0
20	PB-SSB	50	0	23.05	23.29	23.24	24.2	0.5
20	PB-SSB	50	28	23.11	23.14	23.12	24.2	0.5
20	PB-SSB	50	56	23.07	23.31	23.30	24.2	0.5
20	PB-SSB	100	0	23.07	23.07	23.24		0.0
20	PB-SSB	100	0	23.07	23.07	23.24	25.2	0.0
20	QPSK	1	1	23.07	23.28	23.23		0.0
20	QPSK	1	104	23.05	23.05	23.04		0.0
20	QPSK	50	0	23.19	22.83	22.81	23.7	1.0
20	QPSK	50	28	23.14	23.12	23.10	23.7	1.0
20	QPSK	50	56	23.07	22.87	22.84	23.7	1.0
20	QPSK	100	0	23.07	23.07	23.24		0.0
20	QPSK	100	0	23.07	23.07	23.24	25.2	0.0
20	HD-FDM	1	1	23.04	23.04	23.04	23.7	1.0
20	HD-FDM	1	1	21.00	21.00	21.04	22.2	2.5
20	HD-FDM	1	1	19.59	19.61	19.54	20.2	4.5
Channel								
15	PB-SSB	1	1	23.09	23.00	23.09	24.7	0.0
Frequency (MHz)								
15	PB-SSB	1	1	23.03	23.05	23.02	24.7	0.0
Channel								
10	PB-SSB	1	1	23.03	23.05	23.02	24.7	0.0
Frequency (MHz)								
10	PB-SSB	1	1	23.03	23.05	23.02	24.7	0.0
Channel								
5	PB-SSB	1	1	23.02	23.01	23.02	24.7	0.0

n5_Ant41

BW (MHz)	Modulation	RS Size	RS Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Turn-up limit (dBm)	MPR (dB)
Channel								
20	PB-SSB	1	1	23.06	23.07	23.08		0.0
Frequency (MHz)								
20	PB-SSB	1	1	23.06	23.07	23.08	24.4	0.0
20	PB-SSB	1	104	23.00	23.00	23.00		0.0
20	PB-SSB	50	0	23.04	23.29	23.12	23.9	0.5
20	PB-SSB	50	28	23.11	23.14	23.05	23.4	0.5
20	PB-SSB	50	56	23.02	23.12	23.01	23.9	0.5
20	PB-SSB	100	0	23.01	23.01	23.20		0.0
20	PB-SSB	100	0	23.01	23.01	23.20	25.2	0.0
20	QPSK	1	1	23.04	23.23	23.22		0.0
20	QPSK	1	104	23.00	23.00	23.00		0.0
20	QPSK	50	0	23.02	22.76	22.65	23.4	1.0
20	QPSK	50	28	23.00	23.14	23.05	23.4	1.0
20	QPSK	50	56	22.81	22.84	22.81	23.4	1.0
20	QPSK	100	0	23.01	23.01	23.20		0.0
20	QPSK	100	0	23.01	23.01	23.20	25.2	0.0
20	HD-FDM	1	1	23.02	23.02	23.02	23.9	1.0
20	HD-FDM	1	1	21.02	21.02	21.02	21.9	2.5
20	HD-FDM	1	1	19.52	19.56	19.52	20.9	4.5
Channel								
15	PB-SSB	1	1	23.05	23.04	23.03	24.4	0.0
Frequency (MHz)								
15	PB-SSB	1	1	23.05	23.04	23.03	24.4	0.0
Channel								
10	PB-SSB	1	1	23.05	23.08	23.05	24.4	0.0
Frequency (MHz)								
10	PB-SSB	1	1	23.05	23.08	23.05	24.4	0.0
Channel								
5	PB-SSB	1	1	23.02	23.01	23.02	24.4	0.0



n7_Ant14									
BW (MHz)	Modulation	RS Size	RS Offset	Power Low Ch. Freq. (MHz)	Power Middle Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Time-up limit (dBm)	MPR (dB)	
50	PUSC BPSK	1	1	23.01	22.88	22.86			
Channel									
50	PUSC BPSK	1	1	23.05	22.92	22.90	24.7	0.0	
Frequency (MHz)									
50	PUSC BPSK	1	1	23.09	22.96	22.94			
50	PUSC BPSK	1	1	23.13	23.00	22.98			
50	PUSC BPSK	135	0	22.71	22.88	22.90	24.2	0.5	
50	PUSC BPSK	135	86	23.15	22.92	22.90	24.7	0.0	
50	PUSC BPSK	135	135	22.85	22.75	22.81			
50	PUSC BPSK	210	0	22.70	22.85	22.72	24.2	0.5	
50	QPSK	1	1	22.84	22.82	22.84			
50	QPSK	1	135	22.70	22.70	22.72	24.7	0.0	
50	QPSK	135	0	22.15	22.15	22.31	23.7	1.0	
50	QPSK	135	86	23.15	22.90	22.92	24.7	0.0	
50	QPSK	135	135	22.10	22.17	22.32			
50	QPSK	210	0	22.14	22.14	22.28	23.7	1.0	
50	16QAM	1	1	21.72	21.70	21.72	23.7	1.0	
50	16QAM	1	1	21.34	21.40	21.40	22.2	2.5	
50	16QAM	1	1	18.97	19.04	18.97	22.2	2.5	
Channel									
40	PUSC BPSK	1	1	23.05	22.81	22.82	24.7	0.0	
Frequency (MHz)									
30	PUSC BPSK	1	1	23.05	22.84	22.87	24.7	0.0	
Channel									
20	PUSC BPSK	1	1	23.04	22.84	22.87	24.7	0.0	
Frequency (MHz)									
20	PUSC BPSK	1	1	23.04	22.84	22.87	24.7	0.0	
Channel									
20	PUSC BPSK	1	1	23.05	22.86	22.89	24.7	0.0	
Frequency (MHz)									
15	PUSC BPSK	1	1	23.05	22.80	22.86	24.2	0.0	
Channel									
10	PUSC BPSK	1	1	23.04	22.84	22.81	24.7	0.0	
Frequency (MHz)									
5	PUSC BPSK	1	1	23.05	22.80	22.87	24.7	0.0	

n7_Ant31									
BW (MHz)	Modulation	RS Size	RS Offset	Power Low Ch. Freq. (MHz)	Power Middle Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Time-up limit (dBm)	MPR (dB)	
50	PUSC BPSK	1	1	23.28	23.08	23.13			
Channel									
50	PUSC BPSK	1	1	23.32	23.12	23.17	24.4	0.0	
Frequency (MHz)									
50	PUSC BPSK	1	1	23.36	23.16	23.21			
50	PUSC BPSK	135	0	22.80	22.84	22.94	23.9	0.5	
50	PUSC BPSK	135	86	23.30	23.30	23.27	24.4	0.0	
50	PUSC BPSK	135	135	22.27	22.88	23.07			
50	PUSC BPSK	210	0	22.26	22.80	22.84	23.9	0.5	
50	QPSK	1	1	23.29	23.04	23.11			
50	QPSK	1	135	22.27	22.32	22.30	24.4	0.0	
50	QPSK	135	0	22.28	22.31	23.25	23.4	1.0	
50	QPSK	135	86	23.40	23.41	23.30	24.4	0.0	
50	QPSK	135	135	22.20	22.34	22.41			
50	QPSK	210	0	22.20	22.21	22.28	23.4	1.0	
50	16QAM	1	1	21.84	21.79	21.79	23.4	1.0	
50	16QAM	1	1	20.26	20.49	20.50	21.9	2.5	
50	16QAM	1	1	18.22	18.11	18.10	19.9	4.5	
Channel									
40	PUSC BPSK	1	1	23.23	23.10	23.08	24.4	0.0	
Frequency (MHz)									
30	PUSC BPSK	1	1	23.23	23.04	23.16	24.4	0.0	
Channel									
20	PUSC BPSK	1	1	23.23	23.06	23.17	24.4	0.0	
Frequency (MHz)									
20	PUSC BPSK	1	1	23.24	23.06	23.17	24.4	0.0	
Channel									
20	PUSC BPSK	1	1	23.24	23.08	23.23	24.4	0.0	
Frequency (MHz)									
15	PUSC BPSK	1	1	23.24	23.08	23.09	23.9	0.0	
Channel									
10	PUSC BPSK	1	1	23.21	23.11	23.06	24.7	0.0	
Frequency (MHz)									
5	PUSC BPSK	1	1	23.21	23.11	23.16	24.4	0.0	

n66_Ant14									
BW (MHz)	Modulation	RS Size	RS Offset	Power Low Ch. Freq. (MHz)	Power Middle Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Time-up limit (dBm)	MPR (dB)	
40	PUSC BPSK	1	1	21.83	21.87	21.89			
Channel									
40	PUSC BPSK	1	1	21.83	21.87	21.89	23.3	0.0	
Frequency (MHz)									
40	PUSC BPSK	1	1	21.84	21.88	21.89			
40	PUSC BPSK	108	0	22.07	22.21	21.89	22.8	0.5	
40	PUSC BPSK	108	54	22.02	22.02	22.14	23.3	0.0	
40	PUSC BPSK	108	108	22.17	22.25	22.22			
40	PUSC BPSK	210	0	22.13	22.22	22.20	22.8	0.5	
40	QPSK	1	1	21.84	21.88	21.90			
40	QPSK	1	108	22.24	22.25	22.16	23.3	0.0	
40	QPSK	1	214	21.81	21.82	21.90			
40	QPSK	108	0	22.19	22.22	22.19	22.9	0.0	
40	QPSK	108	54	22.21	22.20	22.20	23.3	0.0	
40	QPSK	108	108	22.17	22.24	22.13			
40	QPSK	210	0	22.17	22.24	22.17	23.3	0.0	
40	16QAM	1	1	21.86	21.81	21.82	22.9	1.0	
40	16QAM	1	1	20.21	20.26	21.01	21.8	1.5	
40	16QAM	1	1	19.00	19.00	19.71	20.8	2.5	
Channel									
30	PUSC BPSK	1	1	21.84	21.80	21.72	23.3	0.0	
Frequency (MHz)									
25	PUSC BPSK	1	1	21.82	21.70	21.75	23.3	0.0	
Channel									
20	PUSC BPSK	1	1	21.82	21.74	21.79	23.3	0.0	
Frequency (MHz)									
20	PUSC BPSK	1	1	21.83	21.76	21.87	23.3	0.0	
Channel									
15	PUSC BPSK	1	1	21.83	21.75	21.75	22.9	0.0	
Channel									
10	PUSC BPSK	1	1	21.83	21.81	21.89	23.3	0.0	
Channel									
5	PUSC BPSK	1	1	21.83	21.84	21.76	23.3	0.0	

n66_Ant31									
BW (MHz)	Modulation	RS Size	RS Offset	Power Low Ch. Freq. (MHz)	Power Middle Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Time-up limit (dBm)	MPR (dB)	
40	PUSC BPSK	1	1	21.84	21.87	21.87			
Channel									
40	PUSC BPSK	1	1	21.84	21.87	21.87	23.3	0.0	
Frequency (MHz)									
40	PUSC BPSK	1	1	21.85	21.89	21.89			
40	PUSC BPSK	1	108	22.04	22.04	22.04	22.8	0.5	
40	PUSC BPSK	1	214	21.80	21.80	21.80			
40	PUSC BPSK	108	0	21.75	21.89	21.87	22.8	0.5	
40	PUSC BPSK	108	54	22.07	22.05	22.00	23.3	0.0	
40	PUSC BPSK	108	108	21.75	21.80	21.89			
40	PUSC BPSK	210	0	21.80	21.80	21.77	22.8	0.5	
40	QPSK	1	1	21.85	21.84	21.85			
40	QPSK	1	108	22.01	22.00	22.00	23.3	0.0	
40	QPSK	1	214	21.80	21.80	21.81			
40	QPSK	108	0	21.28	21.34	21.16	22.3	1.0	
40	QPSK	108	54	22.02	22.00	22.02	23.3	0.0	
40	QPSK	108	108	21.28	21.42	21.33			
40	QPSK	210	0	21.26	21.26	21.29	22.3	1.0	
40	16QAM	1	1	20.61	20.69	20.64	22.3	1.0	
40	16QAM	1	1	19.17	19.13	19.17	20.8	2.5	
40	16QAM	1	1	17.78	17.76	17.81	18.8	4.5	
Channel									
30	PUSC BPSK	1	1	21.88	21.90	21.91	23.3	0.0	
Frequency (MHz)									
25	PUSC BPSK	1	1	21.86	22.00	21.83	23.3	0.0	
Channel									
20	PUSC BPSK	1	1	21.84	21.80	21.87	23.3	0.0	
Frequency (MHz)									
20	PUSC BPSK	1	1	21.84	21.80	21.87	23.3	0.0	
Channel									
15	PUSC BPSK	1	1	21.84	21.80	21.87	22.9	0.0	
Channel									
10	PUSC BPSK	1	1	21.89	21.89	21.90	23.3	0.0	
Channel									
5	PUSC BPSK	1	1	21.88	22.04	21.81	23.3	0.0	



Part27Q n78_Ant 23									
BW (MHz)	Multiplex	FE Size	FE Chof	Power Level Ch. (F/Hz)	Power Level Ch. (F/Hz)	Power Level Ch. (F/Hz)	Turn-up time (min)	MPE (dB)	
Channel									
Frequency (MHz)									
100	P12-BPSK	1	1	20.88					
100	P12-BPSK	1	1	20.92			22.9	0.0	
100	P12-BPSK	1	211	20.93					
100	P12-BPSK	100	0	21.13			22.4	0.5	
100	P12-BPSK	100	0	21.20			22.0	0.0	
100	P12-BPSK	210	0	21.27			22.4	0.5	
100	QPSK	1	1	21.29					
100	QPSK	1	107	21.29			22.9	0.0	
100	QPSK	1	211	21.29					
100	QPSK	100	0	21.15					
100	QPSK	100	0	21.30			22.9	0.0	
100	QPSK	210	0	21.19			21.9	1.0	
100	QPSK	210	0	21.11			21.9	1.0	
100	QPSK	210	0	21.22			22.4	0.5	
100	QPSK	210	0	21.22			22.4	0.5	
Channel									
Frequency (MHz)									
90	P12-BPSK	1	1	20.40	20.41	20.39	22.9	0.0	
Channel									
Frequency (MHz)									
90	P12-BPSK	1	1	20.38					
Channel									
Frequency (MHz)									
90	P12-BPSK	1	1	20.39			22.9	0.0	
Channel									
Frequency (MHz)									
90	P12-BPSK	1	1	20.33	20.32	20.30	22.9	0.0	
Channel									
Frequency (MHz)									
90	P12-BPSK	1	1	20.33					
Channel									
Frequency (MHz)									
90	P12-BPSK	1	1	20.44	20.37	20.43	22.9	0.0	
Channel									
Frequency (MHz)									
90	P12-BPSK	1	1	20.43			22.9	0.0	
Channel									
Frequency (MHz)									
90	P12-BPSK	1	1	20.37			22.9	0.0	
Channel									
Frequency (MHz)									
90	P12-BPSK	1	1	20.32	20.31	20.29	22.9	0.0	
Channel									
Frequency (MHz)									
90	P12-BPSK	1	1	20.32					
Channel									
Frequency (MHz)									
90	P12-BPSK	1	1	20.43	20.36	20.34	22.9	0.0	
Channel									
Frequency (MHz)									
90	P12-BPSK	1	1	20.32			22.9	0.0	

Part27O n78_Ant 23									
BW (MHz)	Multiplex	FE Size	FE Chof	Power Level Ch. (F/Hz)	Power Level Ch. (F/Hz)	Power Level Ch. (F/Hz)	Turn-up time (min)	MPE (dB)	
Channel									
Frequency (MHz)									
100	P12-BPSK	1	1	20.72					
100	P12-BPSK	1	107	20.72			22.9	0.0	
100	P12-BPSK	1	211	20.72					
100	P12-BPSK	100	0	21.04			22.4	0.5	
100	P12-BPSK	100	0	21.05			22.0	0.0	
100	P12-BPSK	210	0	21.07			22.4	0.5	
100	QPSK	1	1	21.07					
100	QPSK	1	107	21.07			22.9	0.0	
100	QPSK	1	211	21.07					
100	QPSK	100	0	21.15					
100	QPSK	100	0	21.35			22.9	0.0	
100	QPSK	210	0	21.14			21.9	1.0	
100	QPSK	210	0	21.11			21.9	1.0	
100	QPSK	210	0	21.22			22.4	0.5	
100	QPSK	210	0	21.22			22.4	0.5	
Channel									
Frequency (MHz)									
90	P12-BPSK	1	1	20.69	20.70	20.68	22.9	0.0	
Channel									
Frequency (MHz)									
90	P12-BPSK	1	1	20.71					
Channel									
Frequency (MHz)									
90	P12-BPSK	1	1	20.71			22.9	0.0	
Channel									
Frequency (MHz)									
90	P12-BPSK	1	1	20.70	20.67	20.67	22.9	0.0	
Channel									
Frequency (MHz)									
90	P12-BPSK	1	1	20.69					
Channel									
Frequency (MHz)									
90	P12-BPSK	1	1	20.70	20.63	20.64	22.9	0.0	
Channel									
Frequency (MHz)									
90	P12-BPSK	1	1	20.69			22.9	0.0	
Channel									
Frequency (MHz)									
90	P12-BPSK	1	1	20.70	20.63	20.64	22.9	0.0	
Channel									
Frequency (MHz)									
90	P12-BPSK	1	1	20.69			22.9	0.0	

Part27Q n78_Ant 24									
BW (MHz)	Multiplex	FE Size	FE Chof	Power Level Ch. (F/Hz)	Power Level Ch. (F/Hz)	Power Level Ch. (F/Hz)	Turn-up time (min)	MPE (dB)	
Channel									
Frequency (MHz)									
100	P12-BPSK	1	1	20.17					
100	P12-BPSK	1	107	20.17			22.2	0.0	
100	P12-BPSK	1	211	20.18					
100	P12-BPSK	100	0	20.23			21.7	0.5	
100	P12-BPSK	100	0	20.25			22.2	0.0	
100	P12-BPSK	210	0	20.26			21.7	0.5	
100	QPSK	1	1	20.26					
100	QPSK	1	107	20.26			22.2	0.0	
100	QPSK	1	211	20.26					
100	QPSK	100	0	20.15					
100	QPSK	100	0	20.30			22.2	0.0	
100	QPSK	210	0	20.29			21.2	1.0	
100	QPSK	210	0	20.25			21.2	1.0	
100	QPSK	210	0	20.32			21.7	0.5	
100	QPSK	210	0	20.32			21.7	0.5	
Channel									
Frequency (MHz)									
90	P12-BPSK	1	1	20.23	20.16	20.19	22.2	0.0	
Channel									
Frequency (MHz)									
90	P12-BPSK	1	1	20.18					
Channel									
Frequency (MHz)									
90	P12-BPSK	1	1	20.18			22.2	0.0	
Channel									
Frequency (MHz)									
90	P12-BPSK	1	1	20.17	20.11	20.20	22.2	0.0	
Channel									
Frequency (MHz)									
90	P12-BPSK	1	1	20.18					
Channel									
Frequency (MHz)									
90	P12-BPSK	1	1	20.17	20.10	20.19	22.2	0.0	
Channel									
Frequency (MHz)									
90	P12-BPSK	1	1	20.17			22.2	0.0	
Channel									
Frequency (MHz)									
90	P12-BPSK	1	1	20.18	20.10	20.13	22.2	0.0	
Channel									
Frequency (MHz)									
90	P12-BPSK	1	1	20.17			22.2	0.0	
Channel									
Frequency (MHz)									
90	P12-BPSK	1	1	20.17	20.10	20.13	22.2	0.0	
Channel									
Frequency (MHz)									
90	P12-BPSK	1	1	20.17			22.2	0.0	

Part27O n78_Ant 24									
BW (MHz)	Multiplex	FE Size	FE Chof	Power Level Ch. (F/Hz)	Power Level Ch. (F/Hz)	Power Level Ch. (F/Hz)	Turn-up time (min)	MPE (dB)	
Channel									
Frequency (MHz)									
100	P12-BPSK	1	1	20.15					
100	P12-BPSK	1	107	20.15			22.2	0.0	
100	P12-BPSK	1	211	20.15					
100	P12-BPSK	100	0	20.20			21.7	0.5	
100	P12-BPSK	100	0	20.22			22.2	0.0	
100	P12-BPSK	210	0	20.23			21.7	0.5	
100	QPSK	1	1	20.23					
100	QPSK	1	107	20.23			22.2	0.0	
100	QPSK	1	211	20.23					
100	QPSK	100	0	20.10					
100	QPSK	100	0	20.25			22.2	0.0	
100	QPSK	210	0	20.24			21.2	1.0	
100	QPSK	210	0	20.20			21.2	1.0	
100	QPSK	210	0	20.27			21.7	0.5	
100	QPSK	210	0	20.27			21.7	0.5	
Channel									
Frequency (MHz)									
90	P12-BPSK	1	1	20.15	20.07	20.12	22.2	0.0	
Channel									
Frequency (MHz)									
90	P12-BPSK	1	1	20.10					
Channel									
Frequency (MHz)									
90	P12-BPSK	1	1	20.10			22.2	0.0	
Channel									
Frequency (MHz)									
90	P12-BPSK	1	1	20.15	20.07	20.10	22.2	0.0	
Channel									
Frequency (MHz)									
90	P12-BPSK	1	1	20.15					
Channel									
Frequency (MHz)									
90	P12-BPSK	1	1	20.15	20.06	20.08	22.2	0.0	
Channel									
Frequency (MHz)									
90	P12-BPSK	1	1	20.14	20.09	20.10	22.2	0.0	
Channel									
Frequency (MHz)									
90	P12-BPSK	1	1	20.15			22.2	0.0	
Channel									
Frequency (MHz)									
90	P12-BPSK	1	1	20.15	20.06	20.08	22.2	0.0	
Channel									
Frequency (MHz)									
90	P12-BPSK	1	1	20.14	20.09	20.10	22.2	0.0	
Channel									
Frequency (MHz)									
90	P12-BPSK	1	1	20.15			22.2	0.0	



Part27Q n78_Ant 101									
SW (MHz)	Multicast	RS Size	RS Other	Power Type	Power Class / Power	Power Class / Power	Turn-up time (min)	MFR (dB)	
Change									
Frequency (MHz)									
100	PV2 BPSK	1	1		2320				
100	PV2 BPSK	1	107		2324		25.0	0.0	
100	PV2 BPSK	1	201		2329				
100	PV2 BPSK	1	0		2334		24.5	0.5	
100	PV2 BPSK	100	00		2339		25.0	0.0	
100	PV2 BPSK	100	00		2344				
100	PV2 BPSK	200	0		2349		24.5	0.5	
100	QPSK	1	1		2354				
100	QPSK	1	107		2359		25.0	0.0	
100	QPSK	1	201		2364				
100	QPSK	100	0		2369		25.0	0.0	
100	QPSK	100	00		2374				
100	QPSK	200	0		2379		24.0	1.0	
100	QPSK	200	00		2384		24.0	1.0	
100	QPSK	400	0		2389		23.5	2.0	
100	QPSK	400	00		2394				
100	QPSK	800	0		2399		23.0	3.0	
100	QPSK	800	00		2404				
100	QPSK	1600	0		2409		22.5	4.0	
100	QPSK	1600	00		2414				
100	QPSK	3200	0		2419		22.0	5.0	
100	QPSK	3200	00		2424				
100	QPSK	6400	0		2429		21.5	6.0	
100	QPSK	6400	00		2434				
100	QPSK	12800	0		2439		21.0	7.0	
100	QPSK	12800	00		2444				
100	QPSK	25600	0		2449		20.5	8.0	
100	QPSK	25600	00		2454				
100	QPSK	51200	0		2459		20.0	9.0	
100	QPSK	51200	00		2464				
100	QPSK	102400	0		2469		19.5	10.0	
100	QPSK	102400	00		2474				
100	QPSK	204800	0		2479		19.0	11.0	
100	QPSK	204800	00		2484				
100	QPSK	409600	0		2489		18.5	12.0	
100	QPSK	409600	00		2494				
100	QPSK	819200	0		2499		18.0	13.0	
100	QPSK	819200	00		2504				
100	QPSK	1638400	0		2509		17.5	14.0	
100	QPSK	1638400	00		2514				
100	QPSK	3276800	0		2519		17.0	15.0	
100	QPSK	3276800	00		2524				
100	QPSK	6553600	0		2529		16.5	16.0	
100	QPSK	6553600	00		2534				
100	QPSK	13107200	0		2539		16.0	17.0	
100	QPSK	13107200	00		2544				
100	QPSK	26214400	0		2549		15.5	18.0	
100	QPSK	26214400	00		2554				
100	QPSK	52428800	0		2559		15.0	19.0	
100	QPSK	52428800	00		2564				
100	QPSK	104857600	0		2569		14.5	20.0	
100	QPSK	104857600	00		2574				
100	QPSK	209715200	0		2579		14.0	21.0	
100	QPSK	209715200	00		2584				
100	QPSK	419430400	0		2589		13.5	22.0	
100	QPSK	419430400	00		2594				
100	QPSK	838860800	0		2599		13.0	23.0	
100	QPSK	838860800	00		2604				
100	QPSK	1677721600	0		2609		12.5	24.0	
100	QPSK	1677721600	00		2614				
100	QPSK	3355443200	0		2619		12.0	25.0	
100	QPSK	3355443200	00		2624				
100	QPSK	6710886400	0		2629		11.5	26.0	
100	QPSK	6710886400	00		2634				
100	QPSK	13421772800	0		2639		11.0	27.0	
100	QPSK	13421772800	00		2644				
100	QPSK	26843545600	0		2649		10.5	28.0	
100	QPSK	26843545600	00		2654				
100	QPSK	53687091200	0		2659		10.0	29.0	
100	QPSK	53687091200	00		2664				
100	QPSK	107374182400	0		2669		9.5	30.0	
100	QPSK	107374182400	00		2674				
100	QPSK	214748364800	0		2679		9.0	31.0	
100	QPSK	214748364800	00		2684				
100	QPSK	429496729600	0		2689		8.5	32.0	
100	QPSK	429496729600	00		2694				
100	QPSK	858993459200	0		2699		8.0	33.0	
100	QPSK	858993459200	00		2704				
100	QPSK	1717986918400	0		2709		7.5	34.0	
100	QPSK	1717986918400	00		2714				
100	QPSK	3435973836800	0		2719		7.0	35.0	
100	QPSK	3435973836800	00		2724				
100	QPSK	6871947673600	0		2729		6.5	36.0	
100	QPSK	6871947673600	00		2734				
100	QPSK	13743895347200	0		2739		6.0	37.0	
100	QPSK	13743895347200	00		2744				
100	QPSK	27487790694400	0		2749		5.5	38.0	
100	QPSK	27487790694400	00		2754				
100	QPSK	54975581388800	0		2759		5.0	39.0	
100	QPSK	54975581388800	00		2764				
100	QPSK	109951162777600	0		2769		4.5	40.0	
100	QPSK	109951162777600	00		2774				
100	QPSK	219902325555200	0		2779		4.0	41.0	
100	QPSK	219902325555200	00		2784				
100	QPSK	439804651110400	0		2789		3.5	42.0	
100	QPSK	439804651110400	00		2794				
100	QPSK	879609302220800	0		2799		3.0	43.0	
100	QPSK	879609302220800	00		2804				
100	QPSK	1759218604441600	0		2809		2.5	44.0	
100	QPSK	1759218604441600	00		2814				
100	QPSK	3518437208883200	0		2819		2.0	45.0	
100	QPSK	3518437208883200	00		2824				
100	QPSK	7036874417766400	0		2829		1.5	46.0	
100	QPSK	7036874417766400	00		2834				
100	QPSK	14073748835532800	0		2839		1.0	47.0	
100	QPSK	14073748835532800	00		2844				
100	QPSK	28147497671065600	0		2849		0.5	48.0	
100	QPSK	28147497671065600	00		2854				
100	QPSK	56294995342131200	0		2859		0.0	49.0	
100	QPSK	56294995342131200	00		2864				
100	QPSK	112589990684262400	0		2869		-0.5	50.0	
100	QPSK	112589990684262400	00		2874				
100	QPSK	225179981368524800	0		2879		-1.0	51.0	
100	QPSK	225179981368524800	00		2884				
100	QPSK	450359962737049600	0		2889		-1.5	52.0	
100	QPSK	450359962737049600	00		2894				
100	QPSK	900719925474099200	0		2899		-2.0	53.0	
100	QPSK	900719925474099200	00		2904				
100	QPSK	1801439850948198400	0		2909		-2.5	54.0	
100	QPSK	1801439850948198400	00		2914				
100	QPSK	3602879701896396800	0		2919		-3.0	55.0	
100	QPSK	3602879701896396800	00		2924				
100	QPSK	7205759403792793600	0		2929		-3.5	56.0	
100	QPSK	7205759403792793600	00		2934				
100	QPSK	14411518807585587200	0		2939		-4.0	57.0	
100	QPSK	14411518807585587200	00		2944				
100	QPSK	28823037615171174400	0		2949		-4.5	58.0	
100	QPSK	28823037615171174400	00		2954				
100	QPSK	57646075230342348800	0		2959		-5.0	59.0	
100	QPSK	57646075230342348800	00		2964				
100	QPSK	115292150460684697600	0		2969		-5.5	60.0	
100	QPSK	115292150460684697600	00		2974				
100	QPSK	230584300921369395200	0		2979		-6.0	61.0	
100	QPSK	230584300921369395200	00		2984				
100	QPSK	461168601842738790400	0		2989		-6.5	62.0	
100	QPSK	461168601842738790400	00		2994				
100	QPSK	922337203685477580800	0		2999		-7.0	63.0	
100	QPSK	922337203685477580800	00		3004				
100	QPSK	1844674407370955161600	0		3009		-7.5	64.0	
100	QPSK	1844674407370955161600	00		3014				
100	QPSK	3689348814741910323200	0		3019		-8.0	65.0	
100	QPSK	3689348814741910323200	00		3024				
100	QPSK	7378697629483820646400	0		3029		-8.5	66.0	
100	QPSK	7378697629483820646400	00		3034				
100	QPSK	14757395259767641292800	0		3039		-9.0	67.0	
100	QPSK	14757395259767641292800	00		3044				
100	QPSK	29514790519535282585600	0		3049		-9.5	68.0	
100	QPSK	29514790519535282585600	00		3054				
100	QPSK	59029581039070565171200	0		3059		-10.0	69.0	
100	QPSK	59029581039070565171200	00		3064				
100	QPSK	118059162078141130342400	0		3069		-10.5	70.0	
100	QPSK	118059162078141130342400	00		3074				
100	QPSK	236118324156282260684800	0		3079		-11.0	71.0	
100	QPSK	236118324156282260684800	00		3084				
100	QPSK								



DSI 2 Power

n2_Ant14

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	PUSC	1	1	18.40	18.38	18.38	17.7	0.0
20	PUSC	1	1	18.40	18.38	18.38		
20	PUSC	1	104	18.41	18.40	18.40		
20	PUSC	50	0	18.40	18.30	18.48	17.7	0.0
20	PUSC	50	0	18.40	18.34	18.30	17.7	0.0
20	PUSC	50	56	18.40	18.44	18.44	17.7	0.0
20	PUSC	100	0	18.40	18.00	18.44		
20	QPSK	1	1	18.20	18.35	18.28		
20	QPSK	1	104	18.38	18.30	18.44	17.7	0.0
20	QPSK	50	0	18.41	18.47	18.32	17.7	0.0
20	QPSK	50	0	18.30	18.32	18.40	17.7	0.0
20	QPSK	50	56	18.30	18.45	18.38	17.7	0.0
20	QPSK	100	0	18.20	18.40	18.30		
20	HQAM	1	1	18.10	18.10	18.26	17.7	0.0
20	HQAM	1	1	18.00	18.10	18.11	17.7	0.0
20	HQAM	1	1	18.45	18.48	18.40	17.7	0.0
Channel								
Frequency (MHz)								
10	PUSC	1	1	18.30	18.25	18.38	17.7	0.0
Channel								
Frequency (MHz)								
10	PUSC	1	1	18.20	18.34	18.25	17.7	0.0
Channel								
Frequency (MHz)								
5	PUSC	1	1	18.30	18.25	18.30	17.7	0.0

n2_Ant31

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	PUSC	1	1	22.08	22.05	21.99	23.0	0.0
20	PUSC	1	104	22.04	22.01	22.18		
20	PUSC	50	0	21.99	21.49	21.81	22.5	0.0
20	PUSC	50	0	22.10	22.17	22.10	22.5	0.0
20	PUSC	50	56	21.82	21.53	21.47	22.5	0.5
20	PUSC	100	0	21.83	21.80	21.54		
20	QPSK	1	1	21.99	21.84	21.87		
20	QPSK	1	104	22.08	22.00	22.05	23.0	0.0
20	QPSK	50	0	21.90	21.00	20.96	23.0	0.0
20	QPSK	50	0	22.12	22.11	22.06	23.0	0.0
20	QPSK	50	56	21.40	20.99	20.94	23.0	0.0
20	QPSK	100	0	21.27	21.80	21.66		
20	HQAM	1	1	20.81	20.72	20.71	22.0	1.0
20	HQAM	1	1	19.30	19.28	19.29	20.5	2.5
20	HQAM	1	1	19.81	19.83	19.85	18.5	4.5
Channel								
Frequency (MHz)								
10	PUSC	1	1	22.21	22.14	22.13	23.0	0.0
Channel								
Frequency (MHz)								
10	PUSC	1	1	22.21	22.11	22.10	23.0	0.0
Channel								
Frequency (MHz)								
5	PUSC	1	1	22.00	22.11	22.10	23.0	0.0

n5_Ant11

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	PUSC	1	1	22.12	22.14	22.13	23.2	0.0
30	PUSC	1	104	22.07	22.08	22.08		
30	PUSC	50	0	22.08	22.20	22.27	23.2	0.0
30	PUSC	50	0	22.08	22.02	22.02	23.2	0.0
30	PUSC	50	56	22.31	22.22	22.19	23.2	0.0
30	PUSC	100	0	22.07	22.04	22.07		
30	QPSK	1	1	22.10	22.10	22.09		
30	QPSK	1	104	22.08	22.06	22.09	23.2	0.0
30	QPSK	50	0	22.09	22.33	22.34	23.2	0.0
30	QPSK	50	0	22.01	22.28	22.20	23.2	0.0
30	QPSK	50	56	22.20	22.30	22.20	23.2	0.0
30	QPSK	100	0	22.01	22.00	22.00		
30	HQAM	1	1	21.87	21.89	21.84	23.2	0.0
30	HQAM	1	1	21.11	21.08	21.00	23.2	1.0
30	HQAM	1	1	19.81	19.80	19.70	20.2	3.0
Channel								
Frequency (MHz)								
15	PUSC	1	1	22.07	22.08	22.11	23.0	0.0
Channel								
Frequency (MHz)								
10	PUSC	1	1	22.13	22.17	22.10	23.2	0.0
Channel								
Frequency (MHz)								
5	PUSC	1	1	22.00	22.10	22.00	23.2	0.0

n5_Ant41

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	PUSC	1	1	23.56	23.57	23.58	24.4	0.0
20	PUSC	1	104	23.56	23.56	23.58		
20	PUSC	50	0	23.24	23.29	23.12	23.9	0.0
20	PUSC	50	0	23.11	23.70	23.68	24.4	0.0
20	PUSC	50	56	23.20	23.12	23.01	23.9	0.5
20	PUSC	100	0	23.11	23.00	23.20		
20	QPSK	1	1	23.54	23.53	23.52		
20	QPSK	1	104	23.50	23.06	23.00	24.4	0.0
20	QPSK	50	0	23.50	23.70	23.65	23.4	1.0
20	QPSK	50	0	23.00	23.74	23.61	23.4	0.0
20	QPSK	50	56	23.81	23.64	23.51	23.4	1.0
20	QPSK	100	0	23.70	23.70	23.61		
20	HQAM	1	1	23.28	23.22	23.20	23.4	1.0
20	HQAM	1	1	21.02	21.03	21.01	21.9	2.5
20	HQAM	1	1	19.40	19.56	19.50	19.9	4.5
Channel								
Frequency (MHz)								
15	PUSC	1	1	23.50	23.54	23.53	24.4	0.0
Channel								
Frequency (MHz)								
10	PUSC	1	1	23.56	23.58	23.50	24.4	0.0
Channel								
Frequency (MHz)								
5	PUSC	1	1	23.00	23.50	23.00	24.4	0.0



n7_Ant14

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Middle Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Time-up limit (min)	MPR (dB)
50	P16-QPSK	1	1	15.00	15.04	15.02	16.7	0.0
Channel								
Frequency (MHz)								
30	P16-QPSK	1	1	14.26	14.28	14.26	16.7	0.0
Channel								
Frequency (MHz)								
50	P16-QPSK	135	0	14.86	15.12	15.07	16.7	0.0
Channel								
Frequency (MHz)								
50	P16-QPSK	135	88	15.26	15.22	15.08	16.7	0.0
Channel								
Frequency (MHz)								
50	P16-QPSK	135	135	15.07	15.15	15.14	16.7	0.0
Channel								
Frequency (MHz)								
50	P16-QPSK	239	0	15.02	15.15	15.04	16.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	14.92	14.92	14.92	16.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	135	15.11	15.01	15.12	16.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	135	0	15.13	15.19	15.07	16.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	135	88	15.16	15.22	15.12	16.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	135	135	15.09	15.19	15.04	16.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	239	0	15.10	15.19	15.11	16.7	0.0
Channel								
Frequency (MHz)								
50	HDQAM	1	1	14.71	14.79	14.72	16.7	0.0
Channel								
Frequency (MHz)								
50	HDQAM	1	1	15.06	15.14	15.01	16.7	0.0
Channel								
Frequency (MHz)								
40	P16-QPSK	1	1	15.03	14.99	14.97	16.7	0.0
Channel								
Frequency (MHz)								
30	P16-QPSK	1	1	14.46	14.48	14.46	16.7	0.0
Channel								
Frequency (MHz)								
20	P16-QPSK	1	1	14.90	14.90	14.90	16.7	0.0
Channel								
Frequency (MHz)								
16	P16-QPSK	1	1	14.90	14.93	14.92	16.7	0.0
Channel								
Frequency (MHz)								
10	P16-QPSK	1	1	15.02	14.99	14.99	16.7	0.0
Channel								
Frequency (MHz)								
5	P16-QPSK	1	1	15.08	14.93	14.96	16.7	0.0

n7_Ant31

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Middle Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Time-up limit (min)	MPR (dB)
50	P16-QPSK	1	1	23.28	23.08	23.13	24.4	0.0
Channel								
Frequency (MHz)								
50	P16-QPSK	1	121	23.28	23.04	23.26	24.4	0.0
Channel								
Frequency (MHz)								
50	P16-QPSK	1	168	23.31	23.37	23.35	24.4	0.0
Channel								
Frequency (MHz)								
50	P16-QPSK	135	0	22.83	22.84	22.94	24.4	0.0
Channel								
Frequency (MHz)								
50	P16-QPSK	135	88	22.92	22.92	22.77	24.4	0.0
Channel								
Frequency (MHz)								
50	P16-QPSK	135	135	22.77	22.88	23.07	24.4	0.0
Channel								
Frequency (MHz)								
50	P16-QPSK	239	0	22.82	22.82	22.84	24.4	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	23.22	23.04	23.11	24.4	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	135	23.24	23.32	23.33	24.4	0.0
Channel								
Frequency (MHz)								
50	QPSK	135	0	22.28	22.31	22.35	24.4	0.0
Channel								
Frequency (MHz)								
50	QPSK	135	88	22.40	22.41	22.35	24.4	0.0
Channel								
Frequency (MHz)								
50	QPSK	135	135	22.20	22.34	22.47	24.4	0.0
Channel								
Frequency (MHz)								
50	QPSK	239	0	22.21	22.31	22.28	24.4	0.0
Channel								
Frequency (MHz)								
50	HDQAM	1	1	21.84	21.79	21.79	22.4	1.0
Channel								
Frequency (MHz)								
50	HDQAM	1	1	20.26	20.49	20.55	21.9	2.5
Channel								
Frequency (MHz)								
50	HDQAM	1	1	19.22	19.11	19.16	19.9	4.5
Channel								
Frequency (MHz)								
40	P16-QPSK	1	1	23.23	23.10	23.09	24.4	0.0
Channel								
Frequency (MHz)								
30	P16-QPSK	1	1	23.31	23.04	23.16	24.4	0.0
Channel								
Frequency (MHz)								
20	P16-QPSK	1	1	23.22	23.09	23.10	24.4	0.0
Channel								
Frequency (MHz)								
16	P16-QPSK	1	1	23.24	23.08	23.05	24.4	0.0
Channel								
Frequency (MHz)								
10	P16-QPSK	1	1	23.21	23.11	23.09	24.4	0.0
Channel								
Frequency (MHz)								
5	P16-QPSK	1	1	23.31	23.11	23.16	24.4	0.0

n66_Ant14

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Middle Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Time-up limit (min)	MPR (dB)
40	P16-QPSK	1	1	16.12	16.22	16.22	17.8	0.0
Channel								
Frequency (MHz)								
40	P16-QPSK	1	128	16.22	16.22	16.22	17.8	0.0
Channel								
Frequency (MHz)								
40	P16-QPSK	1	214	16.17	16.25	16.25	17.8	0.0
Channel								
Frequency (MHz)								
40	P16-QPSK	108	0	16.50	16.43	16.42	17.8	0.0
Channel								
Frequency (MHz)								
40	P16-QPSK	108	54	16.50	16.71	16.62	17.8	0.0
Channel								
Frequency (MHz)								
40	P16-QPSK	108	108	16.48	16.48	16.41	17.8	0.0
Channel								
Frequency (MHz)								
40	P16-QPSK	216	0	16.49	16.54	16.53	17.8	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	16.08	16.12	16.21	17.8	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	136	16.00	16.10	16.10	17.8	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	214	16.21	16.30	16.29	17.8	0.0
Channel								
Frequency (MHz)								
40	QPSK	108	0	16.55	16.40	16.50	17.8	0.0
Channel								
Frequency (MHz)								
40	QPSK	108	54	16.51	16.70	16.67	17.8	0.0
Channel								
Frequency (MHz)								
40	QPSK	108	108	16.51	16.45	16.51	17.8	0.0
Channel								
Frequency (MHz)								
40	QPSK	216	0	16.58	16.43	16.49	17.8	0.0
Channel								
Frequency (MHz)								
40	HDQAM	1	1	15.81	15.94	15.95	17.8	0.0
Channel								
Frequency (MHz)								
40	HDQAM	1	1	15.83	15.98	15.96	17.8	0.0
Channel								
Frequency (MHz)								
40	HDQAM	1	1	16.44	16.50	16.45	17.8	0.0
Channel								
Frequency (MHz)								
30	P16-QPSK	1	1	16.07	16.19	16.19	17.8	0.0
Channel								
Frequency (MHz)								
20	P16-QPSK	1	1	16.10	16.20	16.20	17.8	0.0
Channel								
Frequency (MHz)								
15	P16-QPSK	1	1	16.13	16.25	16.27	17.8	0.0
Channel								
Frequency (MHz)								
10	P16-QPSK	1	1	16.11	16.24	16.20	17.8	0.0
Channel								
Frequency (MHz)								
5	P16-QPSK	1	1	16.13	16.24	16.16	17.8	0.0

n66_Ant31

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Middle Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Time-up limit (min)	MPR (dB)
40	P16-QPSK	1	1	21.84	21.87	21.87	23.3	0.0
Channel								
Frequency (MHz)								
40	P16-QPSK	1	136	21.84	21.86	21.84	23.3	0.0
Channel								
Frequency (MHz)								
40	P16-QPSK	1	214	21.89	21.90	21.89	23.3	0.0
Channel								
Frequency (MHz)								
40	P16-QPSK	108	0	21.75	21.89	21.82	23.3	0.0
Channel								
Frequency (MHz)								
40	P16-QPSK	108	54	22.37	22.29	22.30	23.3	0.0
Channel								
Frequency (MHz)								
40	P16-QPSK	108	108	21.75	21.85	21.89	23.3	0.0
Channel								
Frequency (MHz)								
40	P16-QPSK	216	0	21.81	21.89	21.77	23.3	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	21.82	21.84	21.85	23.3	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	136	21.86	21.85	21.86	23.3	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	214	21.80	21.85	21.81	23.3	0.0
Channel								
Frequency (MHz)								
40	QPSK	108	0	21.28	21.34	21.15	23.3	0.0
Channel								
Frequency (MHz)								
40	QPSK	108	54	22.42	22.28	22.42	23.3	0.0
Channel								
Frequency (MHz)								
40	QPSK	108	108	21.28	21.42	21.31	23.3	0.0
Channel								
Frequency (MHz)								
40	QPSK	216	0	21.36	21.37	21.29	23.3	0.0
Channel								
Frequency (MHz)								
40	HDQAM	1	1	20.61	20.59	20.64	22.3	1.0
Channel								
Frequency (MHz)								
40	HDQAM	1	1	19.17	19.13	19.17	20.8	2.5
Channel								
Frequency (MHz)								
40	HDQAM	1	1	17.78	17.76	17.81	18.8	4.5
Channel								
Frequency (MHz)								
30	P16-QPSK	1	1	21.88	21.95	21.91	23.3	0.0
Channel								
Frequency (MHz)								
25	P16-QPSK	1	1	21.86	22.02	21.92	23.3	0.0
Channel								
Frequency (MHz)								
20	P16-QPSK	1	1	21.94	21.92	21.92	23.3	0.0
Channel								
Frequency (MHz)								
15	P16-QPSK	1	1	22.04	21.96	22.02	23.3	0.0
Channel								
Frequency (MHz)								
10	P16-QPSK	1	1	21.99	21.90	21.92	23.3	0.0
Channel								
Frequency (MHz)								
5	P16-QPSK	1	1	21.88	22.04	21.91	23.3	0.0



Par27Q n77_Ant 23										
BW (MHz)	Multiplex	RS Size	RS Other	Power Type Ch. / Freq.	Power Type Ch. / Freq.	Power Type Ch. / Freq.	Turn-up Time (min)	MPE (dB)		
Channel										
Frequency (MHz)										
100	P12-BPSK	1	1	15.12	15.14	15.18				
100	P12-BPSK	1	1	15.17	15.19	15.21	16.0	0.0		
100	P12-BPSK	1	1	15.21	15.23	15.25				
100	P12-BPSK	1	1	15.25	15.27	15.29	16.0	0.0		
100	P12-BPSK	1	1	15.29	15.31	15.33				
100	P12-BPSK	1	1	15.37	15.39	15.41	16.0	0.0		
100	P12-BPSK	1	1	15.45	15.47	15.49				
100	P12-BPSK	1	1	15.49	15.51	15.53	16.0	0.0		
100	P12-BPSK	1	1	15.57	15.59	15.61				
100	P12-BPSK	1	1	15.65	15.67	15.69	16.0	0.0		
100	P12-BPSK	1	1	15.73	15.75	15.77				
100	P12-BPSK	1	1	15.77	15.79	15.81	16.0	0.0		
100	P12-BPSK	1	1	15.85	15.87	15.89				
100	P12-BPSK	1	1	15.89	15.91	15.93	16.0	0.0		
100	P12-BPSK	1	1	15.93	15.95	15.97				
100	P12-BPSK	1	1	15.97	15.99	16.01	16.0	0.0		
100	P12-BPSK	1	1	16.05	16.07	16.09				
100	P12-BPSK	1	1	16.13	16.15	16.17	16.0	0.0		
100	P12-BPSK	1	1	16.21	16.23	16.25				
100	P12-BPSK	1	1	16.25	16.27	16.29	16.0	0.0		
100	P12-BPSK	1	1	16.29	16.31	16.33				
100	P12-BPSK	1	1	16.33	16.35	16.37	16.0	0.0		
100	P12-BPSK	1	1	16.37	16.39	16.41				
100	P12-BPSK	1	1	16.41	16.43	16.45	16.0	0.0		
100	P12-BPSK	1	1	16.45	16.47	16.49				
100	P12-BPSK	1	1	16.49	16.51	16.53	16.0	0.0		
100	P12-BPSK	1	1	16.53	16.55	16.57				
100	P12-BPSK	1	1	16.57	16.59	16.61	16.0	0.0		
100	P12-BPSK	1	1	16.61	16.63	16.65				
100	P12-BPSK	1	1	16.65	16.67	16.69	16.0	0.0		
100	P12-BPSK	1	1	16.69	16.71	16.73				
100	P12-BPSK	1	1	16.73	16.75	16.77	16.0	0.0		
100	P12-BPSK	1	1	16.77	16.79	16.81				
100	P12-BPSK	1	1	16.81	16.83	16.85	16.0	0.0		
100	P12-BPSK	1	1	16.85	16.87	16.89				
100	P12-BPSK	1	1	16.89	16.91	16.93	16.0	0.0		
100	P12-BPSK	1	1	16.93	16.95	16.97				
100	P12-BPSK	1	1	16.97	16.99	17.01	16.0	0.0		
100	P12-BPSK	1	1	17.05	17.07	17.09				
100	P12-BPSK	1	1	17.13	17.15	17.17	16.0	0.0		
100	P12-BPSK	1	1	17.21	17.23	17.25				
100	P12-BPSK	1	1	17.25	17.27	17.29	16.0	0.0		
100	P12-BPSK	1	1	17.29	17.31	17.33				
100	P12-BPSK	1	1	17.33	17.35	17.37	16.0	0.0		
100	P12-BPSK	1	1	17.37	17.39	17.41				
100	P12-BPSK	1	1	17.41	17.43	17.45	16.0	0.0		
100	P12-BPSK	1	1	17.45	17.47	17.49				
100	P12-BPSK	1	1	17.49	17.51	17.53	16.0	0.0		
100	P12-BPSK	1	1	17.53	17.55	17.57				
100	P12-BPSK	1	1	17.57	17.59	17.61	16.0	0.0		
100	P12-BPSK	1	1	17.61	17.63	17.65				
100	P12-BPSK	1	1	17.65	17.67	17.69	16.0	0.0		
100	P12-BPSK	1	1	17.69	17.71	17.73				
100	P12-BPSK	1	1	17.73	17.75	17.77	16.0	0.0		
100	P12-BPSK	1	1	17.77	17.79	17.81				
100	P12-BPSK	1	1	17.81	17.83	17.85	16.0	0.0		
100	P12-BPSK	1	1	17.85	17.87	17.89				
100	P12-BPSK	1	1	17.89	17.91	17.93	16.0	0.0		
100	P12-BPSK	1	1	17.93	17.95	17.97				
100	P12-BPSK	1	1	17.97	17.99	18.01	16.0	0.0		
100	P12-BPSK	1	1	18.05	18.07	18.09				
100	P12-BPSK	1	1	18.13	18.15	18.17	16.0	0.0		
100	P12-BPSK	1	1	18.21	18.23	18.25				
100	P12-BPSK	1	1	18.25	18.27	18.29	16.0	0.0		
100	P12-BPSK	1	1	18.29	18.31	18.33				
100	P12-BPSK	1	1	18.33	18.35	18.37	16.0	0.0		
100	P12-BPSK	1	1	18.37	18.39	18.41				
100	P12-BPSK	1	1	18.41	18.43	18.45	16.0	0.0		
100	P12-BPSK	1	1	18.45	18.47	18.49				
100	P12-BPSK	1	1	18.49	18.51	18.53	16.0	0.0		
100	P12-BPSK	1	1	18.53	18.55	18.57				
100	P12-BPSK	1	1	18.57	18.59	18.61	16.0	0.0		
100	P12-BPSK	1	1	18.61	18.63	18.65				
100	P12-BPSK	1	1	18.65	18.67	18.69	16.0	0.0		
100	P12-BPSK	1	1	18.69	18.71	18.73				
100	P12-BPSK	1	1	18.73	18.75	18.77	16.0	0.0		
100	P12-BPSK	1	1	18.77	18.79	18.81				
100	P12-BPSK	1	1	18.81	18.83	18.85	16.0	0.0		
100	P12-BPSK	1	1	18.85	18.87	18.89				
100	P12-BPSK	1	1	18.89	18.91	18.93	16.0	0.0		
100	P12-BPSK	1	1	18.93	18.95	18.97				
100	P12-BPSK	1	1	18.97	18.99	19.01	16.0	0.0		
100	P12-BPSK	1	1	19.05	19.07	19.09				
100	P12-BPSK	1	1	19.13	19.15	19.17	16.0	0.0		
100	P12-BPSK	1	1	19.21	19.23	19.25				
100	P12-BPSK	1	1	19.25	19.27	19.29	16.0	0.0		
100	P12-BPSK	1	1	19.29	19.31	19.33				
100	P12-BPSK	1	1	19.33	19.35	19.37	16.0	0.0		
100	P12-BPSK	1	1	19.37	19.39	19.41				
100	P12-BPSK	1	1	19.41	19.43	19.45	16.0	0.0		
100	P12-BPSK	1	1	19.45	19.47	19.49				
100	P12-BPSK	1	1	19.49	19.51	19.53	16.0	0.0		
100	P12-BPSK	1	1	19.53	19.55	19.57				
100	P12-BPSK	1	1	19.57	19.59	19.61	16.0	0.0		
100	P12-BPSK	1	1	19.61	19.63	19.65				
100	P12-BPSK	1	1	19.65	19.67	19.69	16.0	0.0		
100	P12-BPSK	1	1	19.69	19.71	19.73				
100	P12-BPSK	1	1	19.73	19.75	19.77	16.0	0.0		
100	P12-BPSK	1	1	19.77	19.79	19.81				
100	P12-BPSK	1	1	19.81	19.83	19.85	16.0	0.0		
100	P12-BPSK	1	1	19.85	19.87	19.89				
100	P12-BPSK	1	1	19.89	19.91	19.93	16.0	0.0		
100	P12-BPSK	1	1	19.93	19.95	19.97				
100	P12-BPSK	1	1	19.97	19.99	20.01	16.0	0.0		
100	P12-BPSK	1	1	20.05	20.07	20.09				
100	P12-BPSK	1	1	20.13	20.15	20.17	16.0	0.0		
100	P12-BPSK	1	1	20.21	20.23	20.25				
100	P12-BPSK	1	1	20.25	20.27	20.29	16.0	0.0		
100	P12-BPSK	1	1	20.29	20.31	20.33				
100	P12-BPSK	1	1	20.33	20.35	20.37	16.0	0.0		
100	P12-BPSK	1	1	20.37	20.39	20.41				
100	P12-BPSK	1	1	20.41	20.43	20.45	16.0	0.0		
100	P12-BPSK	1	1	20.45	20.47	20.49				
100	P12-BPSK	1	1	20.49	20.51	20.53	16.0	0.0		
100	P12-BPSK	1	1	20.53	20.55	20.57				
100	P12-BPSK	1	1	20.57	20.59	20.61	16.0	0.0		
100	P12-BPSK	1	1	20.61	20.63	20.65				
100	P12-BPSK	1	1	20.65	20.67	20.69	16.0	0.0		
100	P12-BPSK	1	1	20.69	20.71	20.73				
100	P12-BPSK	1	1	20.73	20.75	20.77	16.0	0.0		
100	P12-BPSK	1	1	20.77	20.79	20.81				
100	P12-BPSK	1	1	20.81	20.83	20.85	16.0	0.0		
100	P12-BPSK	1	1	20.85	20.87	20.89				
100	P12-BPSK	1	1	20.89	20.91	20.93	16.0	0.0		
100	P12-BPSK	1	1	20.93	20.95	20.97				
100	P12-BPSK	1	1	20.97	20.99	21.01	16.0	0.0		
100	P12-BPSK	1	1	21.05	21.07	21.09				
100	P12-BPSK	1	1	21.13	21.15	21.17	16.0	0.0		
100	P12-BPSK	1	1	21.21	21.23	21.25				
100	P12-BPSK	1	1	21.25	21.27	21.29	16.0	0.0		
100	P12-BPSK	1	1	21.29	21.31	21.33				
100	P12-BPSK	1	1	21.33	21.35	21.37	16.0	0.0		
100	P12-BPSK	1	1	21.37	21.39	21.41				
100	P12-BPSK	1	1	21.41	21.43	21.45	16.0	0.0		
100	P12-BPSK	1	1	21.45	21.47	21.49				
100	P12-BPSK	1	1	21.49	21.51	21.53	16.0	0.0		
100	P12-BPSK	1	1	21.53	21.55	21.57				
100	P12-BPSK	1	1	21.57	21.59	21.61	16.0	0.0		
100	P12-BPSK	1	1	21.61	21.63	21.65				
100	P12-BPSK	1	1	21.65	21.67	21.69	16.0	0.0		
100	P12-BPSK	1	1	21.69	21.71	21.73				
100	P12-BPSK	1	1	21.73	21.75	21.77	16.0			



Part27Q n78_Ant 101									
SW (MHz)	Multicast	RS Size	RS Other	Power Type	Power Rate Ch. / Frame	Power Type Ch. / Frame	Turn-up time (sec)	MPE (dB)	
Channel									
Frequency (MHz)									
100	PV2-BPSC	1	1		2050				
100	PV2-BPSC	1	107		2110		225	0.0	
100	PV2-BPSC	1	201		2051		225	0.0	
100	PV2-BPSC	100	0		2101		225	0.0	
100	PV2-BPSC	100	60		2114		225	0.0	
100	PV2-BPSC	100	100		2050		225	0.0	
100	PV2-BPSC	200	0		2113		225	0.0	
100	CPSC	1	1		2050				
100	CPSC	1	107		2118		225	0.0	
100	CPSC	1	201		2050				
100	CPSC	100	0		2107				
100	CPSC	100	60		2111		225	0.0	
100	CPSC	100	100		2104		225	0.0	
100	SPSCM	1	1		2054		225	0.0	
100	SPSCM	1	1		2050		225	0.0	
100	SPSCM	1	1		2071		225	0.0	
Channel									
Frequency (MHz)									
90	PV2-BPSC	1	1		2054	2054	20.00	225	0.0
Channel									
Frequency (MHz)									
90	PV2-BPSC	1	1		2024	2023	20.00	225	0.0
Channel									
Frequency (MHz)									
75	PV2-BPSC	1	1		2050	2051	20.00	225	0.0
Channel									
Frequency (MHz)									
60	PV2-BPSC	1	1		2050	2050	20.00	225	0.0
Channel									
Frequency (MHz)									
60	PV2-BPSC	1	1		2050	2050	20.00	225	0.0
Channel									
Frequency (MHz)									
45	PV2-BPSC	1	1		2050	2050	20.00	225	0.0
Channel									
Frequency (MHz)									
30	PV2-BPSC	1	1		2050	2051	20.00	225	0.0
Channel									
Frequency (MHz)									
20	PV2-BPSC	1	1		2050	2051	20.00	225	0.0
Channel									
Frequency (MHz)									
15	PV2-BPSC	1	1		2051	2051	20.00	225	0.0
Channel									
Frequency (MHz)									
10	PV2-BPSC	1	1		2050	2051	20.00	225	0.0

Part27O n78_Ant 101									
SW (MHz)	Multicast	RS Size	RS Other	Power Type	Power Rate Ch. / Frame	Power Type Ch. / Frame	Turn-up time (sec)	MPE (dB)	
Channel									
Frequency (MHz)									
100	PV2-BPSC	1	1		2050				
100	PV2-BPSC	1	107		2110		225	0.0	
100	PV2-BPSC	1	201		2051		225	0.0	
100	PV2-BPSC	100	0		2101		225	0.0	
100	PV2-BPSC	100	60		2114		225	0.0	
100	PV2-BPSC	100	100		2050		225	0.0	
100	PV2-BPSC	200	0		2113		225	0.0	
100	CPSC	1	1		2050				
100	CPSC	1	107		2118		225	0.0	
100	CPSC	1	201		2050				
100	CPSC	100	0		2107				
100	CPSC	100	60		2111		225	0.0	
100	CPSC	100	100		2104		225	0.0	
100	SPSCM	1	1		2054		225	0.0	
100	SPSCM	1	1		2050		225	0.0	
100	SPSCM	1	1		2071		225	0.0	
Channel									
Frequency (MHz)									
90	PV2-BPSC	1	1		2054	2054	20.00	225	0.0
Channel									
Frequency (MHz)									
90	PV2-BPSC	1	1		2024	2023	20.00	225	0.0
Channel									
Frequency (MHz)									
75	PV2-BPSC	1	1		2050	2051	20.00	225	0.0
Channel									
Frequency (MHz)									
60	PV2-BPSC	1	1		2050	2050	20.00	225	0.0
Channel									
Frequency (MHz)									
60	PV2-BPSC	1	1		2050	2050	20.00	225	0.0
Channel									
Frequency (MHz)									
45	PV2-BPSC	1	1		2050	2050	20.00	225	0.0
Channel									
Frequency (MHz)									
30	PV2-BPSC	1	1		2050	2051	20.00	225	0.0
Channel									
Frequency (MHz)									
20	PV2-BPSC	1	1		2050	2051	20.00	225	0.0
Channel									
Frequency (MHz)									
15	PV2-BPSC	1	1		2051	2051	20.00	225	0.0
Channel									
Frequency (MHz)									
10	PV2-BPSC	1	1		2050	2051	20.00	225	0.0



DSI 3 Power

n2_Ant14

BW (MHz)	Modulation	RB Size	RB Offset	Power			Time-up Int. (min)	MFR (dB)
				Low Ch. Freq.	Mid Ch. Freq.	High Ch. Freq.		
Channel								
Frequency (MHz)				1890	1890	1900		
20	PUSC-BPSK	1	1	15.28	15.28	15.28		
20	PUSC-BPSK	1	53	15.30	15.30	15.33	16.7	0.0
20	PUSC-BPSK	1	104	15.32	15.32	15.33		
20	PUSC-BPSK	50	0	15.28	15.28	15.29	16.7	0.0
20	PUSC-BPSK	50	28	15.30	15.30	15.29	16.7	0.0
20	PUSC-BPSK	50	56	15.32	15.32	15.28	16.7	0.0
20	PUSC-BPSK	100	0	15.28	15.28	15.28	16.7	0.0
20	QPSK	1	1	15.12	15.07	15.27		
20	QPSK	1	53	15.15	15.15	15.27	16.7	0.0
20	QPSK	1	104	15.20	15.24	15.26		
20	QPSK	50	0	15.27	15.29	15.29	16.7	0.0
20	QPSK	50	28	15.29	15.29	15.28	16.7	0.0
20	QPSK	50	56	15.30	15.31	15.27	16.7	0.0
20	QPSK	100	0	15.28	15.24	15.28	16.7	0.0
20	HSKAM	1	1	14.85	14.89	14.85	16.0	0.0
20	HSKAM	1	1	14.85	15.08	15.05	16.7	0.0
20	HSKAM	1	1	15.20	15.26	15.30	16.7	0.0
Channel								
Frequency (MHz)				1910	1910	1920		
10	PUSC-BPSK	1	1	19.10	19.10	19.10	16.7	0.0
Frequency (MHz)				1910	1910	1920		
10	PUSC-BPSK	1	1	19.10	19.10	19.10	16.7	0.0
Channel				1910	1910	1920		
Frequency (MHz)				1910	1910	1920		
5	PUSC-BPSK	1	1	19.10	19.10	19.10	16.7	0.0

n2_Ant31

BW (MHz)	Modulation	RB Size	RB Offset	Power			Time-up Int. (min)	MFR (dB)
				Low Ch. Freq.	Mid Ch. Freq.	High Ch. Freq.		
Channel								
Frequency (MHz)				1890	1890	1900		
20	PUSC-BPSK	1	1	22.08	22.08	22.08		
20	PUSC-BPSK	1	53	22.14	22.14	22.15	23.0	0.0
20	PUSC-BPSK	1	104	22.06	22.10	22.13		
20	PUSC-BPSK	50	0	21.99	21.99	21.99	22.5	0.5
20	PUSC-BPSK	50	28	22.09	22.17	22.12	23.0	0.0
20	PUSC-BPSK	50	56	21.92	21.93	21.93	22.5	0.5
20	PUSC-BPSK	100	0	21.83	21.83	21.84		
20	QPSK	1	1	21.88	21.84	21.87		
20	QPSK	1	53	21.91	21.91	21.91	23.0	0.0
20	QPSK	1	104	22.05	22.00	22.12		
20	QPSK	50	0	21.95	21.90	21.95	23.0	0.0
20	QPSK	50	28	22.05	22.01	22.06	23.0	0.0
20	QPSK	50	56	21.73	21.80	21.84	23.0	0.0
20	QPSK	100	0	21.67	21.62	21.65		
20	HSKAM	1	1	20.85	20.75	20.71	22.0	1.0
20	HSKAM	1	1	19.30	19.26	19.26	20.5	2.5
20	HSKAM	1	1	17.01	17.83	17.85	18.5	4.5
Channel								
Frequency (MHz)				1910	1910	1920		
10	PUSC-BPSK	1	1	19.10	19.10	19.10	16.7	0.0
Frequency (MHz)				1910	1910	1920		
10	PUSC-BPSK	1	1	19.10	19.10	19.10	16.7	0.0
Channel				1910	1910	1920		
Frequency (MHz)				1910	1910	1920		
5	PUSC-BPSK	1	1	19.10	19.10	19.10	16.7	0.0

n5_Ant11

BW (MHz)	Modulation	RB Size	RB Offset	Power			Time-up Int. (min)	MFR (dB)
				Low Ch. Freq.	Mid Ch. Freq.	High Ch. Freq.		
Channel								
Frequency (MHz)				834	834.5	834		
20	PUSC-BPSK	1	1	21.94	21.94	21.94		
20	PUSC-BPSK	1	53	21.99	21.86	21.90	22.2	0.0
20	PUSC-BPSK	1	104	21.84	21.43	21.21		
20	PUSC-BPSK	50	0	21.92	21.92	21.92	22.2	0.0
20	PUSC-BPSK	50	28	21.80	21.41	21.33	22.2	0.0
20	PUSC-BPSK	50	56	21.88	21.41	21.38	22.2	0.0
20	PUSC-BPSK	100	0	21.82	21.54	21.49	22.2	0.0
20	QPSK	1	1	21.90	21.34	21.35		
20	QPSK	1	53	21.91	21.81	21.81	22.2	0.0
20	QPSK	1	104	21.97	21.32	21.32		
20	QPSK	50	0	21.84	21.49	21.34	22.2	0.0
20	QPSK	50	28	21.80	21.46	21.34	22.2	0.0
20	QPSK	50	56	21.89	21.60	21.41	22.2	0.0
20	QPSK	100	0	21.82	21.30	21.50	22.2	0.0
20	HSKAM	1	1	21.89	21.84	21.81	22.2	0.0
20	HSKAM	1	1	21.87	21.13	21.85	22.2	0.0
20	HSKAM	1	1	19.58	19.64	19.57	20.2	2.0
Channel								
Frequency (MHz)				811.5	811.5	811.5		
15	PUSC-BPSK	1	1	21.92	21.29	21.42	22.2	0.0
Frequency (MHz)				811.5	811.5	811.5		
15	PUSC-BPSK	1	1	21.92	21.29	21.42	22.2	0.0
Channel				1630.0	1630.0	1630.0		
Frequency (MHz)				1630.0	1630.0	1630.0		
5	PUSC-BPSK	1	1	21.92	21.33	21.38	22.2	0.0

n5_Ant41

BW (MHz)	Modulation	RB Size	RB Offset	Power			Time-up Int. (min)	MFR (dB)
				Low Ch. Freq.	Mid Ch. Freq.	High Ch. Freq.		
Channel								
Frequency (MHz)				834	834.5	834		
20	PUSC-BPSK	1	1	23.96	23.97	23.99		
20	PUSC-BPSK	1	53	23.88	23.75	23.80	24.4	0.0
20	PUSC-BPSK	1	104	23.80	23.36	23.36		
20	PUSC-BPSK	50	0	23.94	23.29	23.12	23.9	0.5
20	PUSC-BPSK	50	28	23.71	23.74	23.85	24.4	0.0
20	PUSC-BPSK	50	56	23.50	23.12	23.01	23.9	0.5
20	PUSC-BPSK	100	0	23.37	23.23	23.22		
20	QPSK	1	1	23.84	23.53	23.52		
20	QPSK	1	53	23.81	23.65	23.65	24.4	0.0
20	QPSK	1	104	23.96	23.53	23.57		
20	QPSK	50	0	23.82	23.76	22.85	23.4	1.0
20	QPSK	50	28	23.89	23.74	23.85	24.4	0.0
20	QPSK	50	56	23.81	23.64	22.91	23.4	1.0
20	QPSK	100	0	22.75	22.72	22.63		
20	HSKAM	1	1	22.28	22.25	22.20	23.4	1.0
20	HSKAM	1	1	21.62	21.62	21.67	21.9	2.5
20	HSKAM	1	1	19.52	19.58	19.52	19.9	4.5
Channel								
Frequency (MHz)				811.5	811.5	811.5		
15	PUSC-BPSK	1	1	23.96	23.94	23.93	24.4	0.0
Frequency (MHz)				1630.0	1630.0	1630.0		
10	PUSC-BPSK	1	1	23.96	23.94	23.94	24.4	0.0
Channel				1630.0	1630.0	1630.0		
Frequency (MHz)				1630.0	1630.0	1630.0		
5	PUSC-BPSK	1	1	23.85	23.82	23.83	24.4	0.0



n41_ANT 12										
RFI [MHz]	Modulation	FS Size	FS Offset	Power [W]	Power [dBm]	Power [dBm]	Power [dBm]	Turn-up time [min]	MFR [dB]	
Channel										
Frequency (MHz)										
100	P12-BPSK	1	1	15.54	15.56	15.58		15.8	0.0	
100	P12-BPSK	1	1	17.41	17.43	17.45		17.8	0.0	
100	P12-BPSK	1	1	19.28	19.30	19.32		19.8	0.0	
100	P12-BPSK	1	1	21.15	21.17	21.19		21.8	0.0	
100	P12-BPSK	1	1	23.02	23.04	23.06		23.8	0.0	
100	P12-BPSK	1	1	24.89	24.91	24.93		25.8	0.0	
100	P12-BPSK	1	1	26.76	26.78	26.80		27.8	0.0	
100	P12-BPSK	1	1	28.63	28.65	28.67		29.8	0.0	
100	P12-BPSK	1	1	30.50	30.52	30.54		31.8	0.0	
100	QPSK	1	1	32.37	32.39	32.41		33.8	0.0	
100	QPSK	1	1	34.24	34.26	34.28		35.8	0.0	
100	QPSK	1	1	36.11	36.13	36.15		37.8	0.0	
100	QPSK	1	1	37.98	38.00	38.02		39.8	0.0	
100	QPSK	1	1	39.85	39.87	39.89		41.8	0.0	
100	QPSK	1	1	41.72	41.74	41.76		43.8	0.0	
100	QPSK	1	1	43.59	43.61	43.63		45.8	0.0	
100	QPSK	1	1	45.46	45.48	45.50		47.8	0.0	
100	QPSK	1	1	47.33	47.35	47.37		49.8	0.0	
100	QPSK	1	1	49.20	49.22	49.24		51.8	0.0	
100	QPSK	1	1	51.07	51.09	51.11		53.8	0.0	
100	QPSK	1	1	52.94	52.96	52.98		55.8	0.0	
100	QPSK	1	1	54.81	54.83	54.85		57.8	0.0	
100	QPSK	1	1	56.68	56.70	56.72		59.8	0.0	
100	QPSK	1	1	58.55	58.57	58.59		61.8	0.0	
100	QPSK	1	1	60.42	60.44	60.46		63.8	0.0	
100	QPSK	1	1	62.29	62.31	62.33		65.8	0.0	
100	QPSK	1	1	64.16	64.18	64.20		67.8	0.0	
100	QPSK	1	1	66.03	66.05	66.07		69.8	0.0	
100	QPSK	1	1	67.90	67.92	67.94		71.8	0.0	
100	QPSK	1	1	69.77	69.79	69.81		73.8	0.0	
100	QPSK	1	1	71.64	71.66	71.68		75.8	0.0	
100	QPSK	1	1	73.51	73.53	73.55		77.8	0.0	
100	QPSK	1	1	75.38	75.40	75.42		79.8	0.0	
100	QPSK	1	1	77.25	77.27	77.29		81.8	0.0	
100	QPSK	1	1	79.12	79.14	79.16		83.8	0.0	
100	QPSK	1	1	80.99	81.01	81.03		85.8	0.0	
100	QPSK	1	1	82.86	82.88	82.90		87.8	0.0	
100	QPSK	1	1	84.73	84.75	84.77		89.8	0.0	
100	QPSK	1	1	86.60	86.62	86.64		91.8	0.0	
100	QPSK	1	1	88.47	88.49	88.51		93.8	0.0	
100	QPSK	1	1	90.34	90.36	90.38		95.8	0.0	
100	QPSK	1	1	92.21	92.23	92.25		97.8	0.0	
100	QPSK	1	1	94.08	94.10	94.12		99.8	0.0	
100	QPSK	1	1	95.95	95.97	95.99		101.8	0.0	
100	QPSK	1	1	97.82	97.84	97.86		103.8	0.0	
100	QPSK	1	1	99.69	99.71	99.73		105.8	0.0	
100	QPSK	1	1	101.56	101.58	101.60		107.8	0.0	
100	QPSK	1	1	103.43	103.45	103.47		109.8	0.0	
100	QPSK	1	1	105.30	105.32	105.34		111.8	0.0	
100	QPSK	1	1	107.17	107.19	107.21		113.8	0.0	
100	QPSK	1	1	109.04	109.06	109.08		115.8	0.0	
100	QPSK	1	1	110.91	110.93	110.95		117.8	0.0	
100	QPSK	1	1	112.78	112.80	112.82		119.8	0.0	
100	QPSK	1	1	114.65	114.67	114.69		121.8	0.0	
100	QPSK	1	1	116.52	116.54	116.56		123.8	0.0	
100	QPSK	1	1	118.39	118.41	118.43		125.8	0.0	
100	QPSK	1	1	120.26	120.28	120.30		127.8	0.0	
100	QPSK	1	1	122.13	122.15	122.17		129.8	0.0	
100	QPSK	1	1	124.00	124.02	124.04		131.8	0.0	
100	QPSK	1	1	125.87	125.89	125.91		133.8	0.0	
100	QPSK	1	1	127.74	127.76	127.78		135.8	0.0	
100	QPSK	1	1	129.61	129.63	129.65		137.8	0.0	
100	QPSK	1	1	131.48	131.50	131.52		139.8	0.0	
100	QPSK	1	1	133.35	133.37	133.39		141.8	0.0	
100	QPSK	1	1	135.22	135.24	135.26		143.8	0.0	
100	QPSK	1	1	137.09	137.11	137.13		145.8	0.0	
100	QPSK	1	1	138.96	138.98	139.00		147.8	0.0	
100	QPSK	1	1	140.83	140.85	140.87		149.8	0.0	
100	QPSK	1	1	142.70	142.72	142.74		151.8	0.0	
100	QPSK	1	1	144.57	144.59	144.61		153.8	0.0	
100	QPSK	1	1	146.44	146.46	146.48		155.8	0.0	
100	QPSK	1	1	148.31	148.33	148.35		157.8	0.0	
100	QPSK	1	1	150.18	150.20	150.22		159.8	0.0	
100	QPSK	1	1	152.05	152.07	152.09		161.8	0.0	
100	QPSK	1	1	153.92	153.94	153.96		163.8	0.0	
100	QPSK	1	1	155.79	155.81	155.83		165.8	0.0	
100	QPSK	1	1	157.66	157.68	157.70		167.8	0.0	
100	QPSK	1	1	159.53	159.55	159.57		169.8	0.0	
100	QPSK	1	1	161.40	161.42	161.44		171.8	0.0	
100	QPSK	1	1	163.27	163.29	163.31		173.8	0.0	
100	QPSK	1	1	165.14	165.16	165.18		175.8	0.0	
100	QPSK	1	1	167.01	167.03	167.05		177.8	0.0	
100	QPSK	1	1	168.88	168.90	168.92		179.8	0.0	
100	QPSK	1	1	170.75	170.77	170.79		181.8	0.0	
100	QPSK	1	1	172.62	172.64	172.66		183.8	0.0	
100	QPSK	1	1	174.49	174.51	174.53		185.8	0.0	
100	QPSK	1	1	176.36	176.38	176.40		187.8	0.0	
100	QPSK	1	1	178.23	178.25	178.27		189.8	0.0	
100	QPSK	1	1	180.10	180.12	180.14		191.8	0.0	
100	QPSK	1	1	181.97	181.99	182.01		193.8	0.0	
100	QPSK	1	1	183.84	183.86	183.88		195.8	0.0	
100	QPSK	1	1	185.71	185.73	185.75		197.8	0.0	
100	QPSK	1	1	187.58	187.60	187.62		199.8	0.0	
100	QPSK	1	1	189.45	189.47	189.49		201.8	0.0	
100	QPSK	1	1	191.32	191.34	191.36		203.8	0.0	
100	QPSK	1	1	193.19	193.21	193.23		205.8	0.0	
100	QPSK	1	1	195.06	195.08	195.10		207.8	0.0	
100	QPSK	1	1	196.93	196.95	196.97		209.8	0.0	
100	QPSK	1	1	198.80	198.82	198.84		211.8	0.0	
100	QPSK	1	1	200.67	200.69	200.71		213.8	0.0	
100	QPSK	1	1	202.54	202.56	202.58		215.8	0.0	
100	QPSK	1	1	204.41	204.43	204.45		217.8	0.0	
100	QPSK	1	1	206.28	206.30	206.32		219.8	0.0	
100	QPSK	1	1	208.15	208.17	208.19		221.8	0.0	
100	QPSK	1	1	210.02	210.04	210.06		223.8	0.0	
100	QPSK	1	1	211.89	211.91	211.93		225.8	0.0	
100	QPSK	1	1	213.76	213.78	213.80		227.8	0.0	
100	QPSK	1	1	215.63	215.65	215.67		229.8	0.0	
100	QPSK	1	1	217.50	217.52	217.54		231.8	0.0	
100	QPSK	1	1	219.37	219.39	219.41		233.8	0.0	
100	QPSK	1	1	221.24	221.26	221.28		235.8	0.0	
100	QPSK	1	1	223.11	223.13	223.15		237.8	0.0	
100	QPSK	1	1	224.98	225.00	225.02		239.8	0.0	
100	QPSK	1	1	226.85	226.87	226.89		241.8	0.0	
100	QPSK	1	1	228.72	228.74	228.76		243.8	0.0	
100	QPSK	1	1	230.59	230.61	230.63		245.8	0.0	
100	QPSK	1	1	232.46	232.48	232.50		247.8	0.0	
100	QPSK									



DSI 4 Power

n2_Ant14

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F (MHz)	Power Middle Ch. F (MHz)	Power High Ch. F (MHz)	Tune-up Int. (dBm)	MPE (dB)
Channel								
20	PUSBPSK	1	1	19.25	19.18	19.25		
20	PUSBPSK	1	53	19.43	19.45	19.34	20.7	0.0
20	PUSBPSK	1	104	19.25	19.25	19.14		0.0
20	PUSBPSK	50	0	19.25	19.27	19.27		0.0
20	PUSBPSK	50	38	19.25	19.27	19.27		0.0
20	PUSBPSK	50	56	19.14	19.25	19.18	20.7	0.0
20	PUSBPSK	100	0	19.27	19.25	19.25		0.0
20	QPSK	1	1	19.17	19.25	19.25		0.0
20	QPSK	1	53	19.41	19.43	19.36	20.7	0.0
20	QPSK	1	104	19.27	19.27	19.26		0.0
20	QPSK	50	0	19.27	19.31	19.25	20.7	0.0
20	QPSK	50	38	19.25	19.38	19.27		0.0
20	QPSK	50	56	19.21	19.28	19.24	20.7	0.0
20	QPSK	100	0	19.28	19.29	19.29		0.0
20	MSKAM	1	1	19.38	19.38	19.30	20.7	0.0
20	MSKAM	1	1	19.54	19.52	19.49	20.7	0.0
20	MSKAM	1	1	17.68	17.65	17.64	18.1	0.0
Channel								
Frequency (MHz)				17.528	17.600	18.000	Tune-up Int. (dBm)	MPE (dB)
16	PUSBPSK	1	1	19.15	19.16	19.15	20.7	0.0
Channel								
Frequency (MHz)				17.900	17.900	18.100	Tune-up Int. (dBm)	MPE (dB)
16	PUSBPSK	1	1	19.14	19.22	19.18	20.7	0.0
Channel								
Frequency (MHz)				18.00	18.00	18.00	Tune-up Int. (dBm)	MPE (dB)
1	PUSBPSK	1	1	19.11	19.13	19.24	20.7	0.0

n2_Ant31

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F (MHz)	Power Middle Ch. F (MHz)	Power High Ch. F (MHz)	Tune-up Int. (dBm)	MPE (dB)
Channel								
20	PUSBPSK	1	1	19.01	19.03	19.03		
20	PUSBPSK	1	53	19.04	19.05	19.02	20.0	0.0
20	PUSBPSK	1	104	19.02	19.02	19.06		0.0
20	PUSBPSK	50	0	19.05	19.06	19.06		0.0
20	PUSBPSK	50	38	19.03	19.07	19.06		0.0
20	PUSBPSK	50	56	18.97	19.05	18.97	20.0	0.0
20	PUSBPSK	100	0	19.06	19.02	19.02		0.0
20	QPSK	1	1	19.02	19.06	19.07		0.0
20	QPSK	1	53	19.08	19.12	19.01	20.0	0.0
20	QPSK	1	104	19.07	19.06	19.06		0.0
20	QPSK	50	0	19.08	19.06	19.01	20.0	0.0
20	QPSK	50	38	19.05	19.06	19.05		0.0
20	QPSK	50	56	18.95	19.01	18.95	20.0	0.0
20	QPSK	100	0	19.05	19.03	19.01		0.0
20	MSKAM	1	1	19.05	19.12	19.05	20.0	0.0
20	MSKAM	1	1	17.82	17.86	17.84	18.5	1.5
Channel								
Frequency (MHz)				17.700	17.800	18.000	Tune-up Int. (dBm)	MPE (dB)
16	PUSBPSK	1	1	19.07	19.07	19.07	20.0	0.0
Channel								
Frequency (MHz)				17.900	17.900	18.100	Tune-up Int. (dBm)	MPE (dB)
10	PUSBPSK	1	1	19.05	19.03	19.01	20.0	0.0
Channel								
Frequency (MHz)				18.000	17.900	18.100	Tune-up Int. (dBm)	MPE (dB)
1	PUSBPSK	1	1	19.00	19.07	19.05	20.0	0.0

n5_Ant11

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F (MHz)	Power Middle Ch. F (MHz)	Power High Ch. F (MHz)	Tune-up Int. (dBm)	MPE (dB)
Channel								
30	PUSBPSK	1	1	23.58	23.58	23.57		
30	PUSBPSK	1	53	23.68	23.77	23.67	24.7	0.0
30	PUSBPSK	1	104	23.70	23.63	23.58		0.0
30	PUSBPSK	50	0	23.29	23.29	23.24	24.2	0.0
30	PUSBPSK	50	38	23.71	23.74	23.73		0.0
30	PUSBPSK	50	56	23.27	23.31	23.19	24.2	0.0
30	PUSBPSK	100	0	23.31	23.32	23.25		0.0
30	QPSK	1	1	23.57	23.58	23.57		0.0
30	QPSK	1	53	23.59	23.63	23.64	24.7	0.0
30	QPSK	1	104	23.69	23.63	23.54		0.0
30	QPSK	50	0	23.78	23.83	23.81	23.7	1.0
30	QPSK	50	38	23.74	23.75	23.74		0.0
30	QPSK	50	56	23.67	23.67	23.64	23.7	1.0
30	QPSK	100	0	23.62	23.66	23.70		0.0
30	MSKAM	1	1	23.24	23.24	23.23	23.7	1.0
30	MSKAM	1	1	21.69	21.83	21.64	23.2	2.5
30	MSKAM	1	1	19.28	19.61	19.54	20.0	4.5
Channel								
Frequency (MHz)				18.900	19.700	19.900	Tune-up Int. (dBm)	MPE (dB)
16	PUSBPSK	1	1	23.60	23.60	23.60	23.9	0.0
Channel								
Frequency (MHz)				18.900	19.700	19.900	Tune-up Int. (dBm)	MPE (dB)
10	PUSBPSK	1	1	23.63	23.65	23.62	24.7	0.0
Channel								
Frequency (MHz)				19.900	19.900	19.900	Tune-up Int. (dBm)	MPE (dB)
1	PUSBPSK	1	1	23.60	23.61	23.60	24.7	0.0

n5_Ant41

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F (MHz)	Power Middle Ch. F (MHz)	Power High Ch. F (MHz)	Tune-up Int. (dBm)	MPE (dB)
Channel								
30	PUSBPSK	1	1	23.58	23.57	23.58		
30	PUSBPSK	1	53	23.68	23.76	23.68	24.4	0.0
30	PUSBPSK	1	104	23.60	23.56	23.58		0.0
30	PUSBPSK	50	0	23.24	23.29	23.12	23.9	0.0
30	PUSBPSK	50	38	23.71	23.74	23.68		0.0
30	PUSBPSK	50	56	23.29	23.12	23.61	23.0	0.5
30	PUSBPSK	100	0	23.31	23.32	23.25		0.0
30	QPSK	1	1	23.54	23.57	23.52		0.0
30	QPSK	1	53	23.63	23.68	23.68	24.4	0.0
30	QPSK	1	104	23.54	23.53	23.57		0.0
30	QPSK	50	0	23.82	23.78	23.83	23.4	1.0
30	QPSK	50	38	23.66	23.74	23.65		0.0
30	QPSK	50	56	23.61	23.64	23.61	23.4	1.0
30	QPSK	100	0	23.75	23.73	23.83		0.0
30	MSKAM	1	1	23.28	23.22	23.29	23.4	1.0
30	MSKAM	1	1	21.62	21.63	21.67	21.9	2.5
30	MSKAM	1	1	19.15	19.16	19.15	19.0	4.5
Channel								
Frequency (MHz)				18.900	19.700	19.900	Tune-up Int. (dBm)	MPE (dB)
16	PUSBPSK	1	1	23.60	23.64	23.63	24.4	0.0
Channel								
Frequency (MHz)				18.900	19.700	19.900	Tune-up Int. (dBm)	MPE (dB)
10	PUSBPSK	1	1	23.56	23.58	23.59	24.4	0.0
Channel								
Frequency (MHz)				19.900	19.900	19.900	Tune-up Int. (dBm)	MPE (dB)
1	PUSBPSK	1	1	23.60	23.61	23.63	24.4	0.0



n7_Ant14									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Max. Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	PI2 BPSK	1	1	21.54	21.66	21.83			
50	PI2 BPSK	1	135	21.36	21.38	21.28	22.7	0.0	
50	PI2 BPSK	1	269	21.18	21.23	21.09			
50	PI2 BPSK	135	0	21.28	21.30	21.19	22.7	0.0	
50	PI2 BPSK	135	68	21.26	21.31	21.22			
50	PI2 BPSK	135	135	21.14	21.26	21.21	22.7	0.0	
50	PI2 BPSK	270	0	21.26	21.31	21.21			
50	QPSK	1	0	21.56	21.61	21.61			
50	QPSK	1	135	21.17	21.25	21.25	22.7	0.0	
50	QPSK	135	0	21.13	21.24	21.13			
50	QPSK	135	68	21.26	21.28	21.26	22.7	0.0	
50	QPSK	135	135	21.17	21.23	21.21	22.7	0.0	
50	QPSK	270	0	21.23	21.28	21.24			
50	MQAM	1	1	20.71	20.78	20.70	22.7	0.0	
50	MQAM	1	1	20.33	20.37	20.28	22.2	0.5	
50	MQAM	1	1	18.43	18.94	18.61	20.3	0.5	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	20.87	20.91	20.87	25.7	0.0	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	20.20	20.21	20.14	22.2	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	20.07	20.10	20.04	22.2	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	20.07	20.10	20.04	22.2	0.0	
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1	21.03	21.04	20.91	22.7	0.0	
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1	20.88	20.94	20.88	22.7	0.0	
Channel									
Frequency (MHz)									
5	PI2 BPSK	1	1	20.90	20.92	20.88	22.7	0.0	

n7_Ant31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Max. Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	PI2 BPSK	1	1	20.33	20.30	20.34			
50	PI2 BPSK	1	135	20.41	20.45	20.46	21.4	0.0	
50	PI2 BPSK	1	269	20.22	20.29	20.25			
50	PI2 BPSK	135	0	20.30	20.32	20.30	21.4	0.0	
50	PI2 BPSK	135	68	20.32	20.41	20.29			
50	PI2 BPSK	135	135	20.31	20.32	20.27	21.4	0.0	
50	PI2 BPSK	270	0	20.24	20.32	20.17			
50	QPSK	1	1	20.21	20.21	20.13	21.4	0.0	
50	QPSK	1	135	20.24	20.33	20.20			
50	QPSK	135	0	20.12	20.27	20.17	21.4	0.0	
50	QPSK	135	68	20.38	20.30	20.30	21.4	0.0	
50	QPSK	135	135	20.20	20.34	20.23	21.4	0.0	
50	QPSK	270	0	20.20	20.32	20.31			
50	MQAM	1	1	19.85	19.91	19.82	21.4	0.0	
50	MQAM	1	1	19.25	19.38	19.59	21.4	0.0	
50	MQAM	1	1	18.02	18.00	18.04	18.8	1.5	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	19.15	19.22	19.26	21.4	0.0	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	19.20	19.25	19.13	21.4	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	19.34	19.33	19.30	21.4	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	19.21	19.16	19.19	21.4	0.0	
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1	20.38	20.12	20.08	21.4	0.0	
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1	20.23	20.09	20.19	21.4	0.0	
Channel									
Frequency (MHz)									
5	PI2 BPSK	1	1	20.30	20.22	20.23	21.4	0.0	

n66_Ant14									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Max. Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	18.67	18.32	18.77			
40	PI2 BPSK	1	108	18.19	18.31	18.22	20.3	0.0	
40	PI2 BPSK	1	214	18.77	18.84	18.81			
40	PI2 BPSK	108	0	18.28	18.21	18.30	20.3	0.0	
40	PI2 BPSK	108	54	18.21	18.35	18.20			
40	PI2 BPSK	108	108	18.13	18.23	18.17	20.3	0.0	
40	PI2 BPSK	216	0	18.06	18.16	18.05			
40	QPSK	1	1	18.05	18.12	18.10			
40	QPSK	1	108	18.19	18.28	18.12	20.3	0.0	
40	QPSK	1	214	18.75	18.78	18.71			
40	QPSK	108	0	18.14	18.21	18.21	20.3	0.0	
40	QPSK	108	54	18.20	18.28	18.20	20.3	0.0	
40	QPSK	108	108	18.14	18.21	18.13	20.3	0.0	
40	QPSK	216	0	18.12	18.20	18.08			
40	QPSK	1	1	18.05	18.48	18.44	20.3	0.0	
40	MQAM	1	1	18.47	18.28	18.43	20.3	0.0	
40	MQAM	1	1	17.46	17.66	17.48	18.4	1.5	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	18.08	18.08	18.17	20.3	0.0	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	18.02	18.06	18.20	20.3	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	18.13	17.65	17.80	20.3	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	18.13	18.06	18.13	20.3	0.0	
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1	18.11	17.43	17.72	20.3	0.0	
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1	18.09	18.07	18.14	20.3	0.0	
Channel									
Frequency (MHz)									
5	PI2 BPSK	1	1	18.04	18.00	18.20	20.3	0.0	

n66_Ant31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Max. Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	18.35	18.43	18.37			
40	PI2 BPSK	1	108	18.43	18.36	18.45	20.8	0.0	
40	PI2 BPSK	1	214	18.33	18.46	18.41			
40	PI2 BPSK	108	0	18.31	18.41	18.30	20.8	0.0	
40	PI2 BPSK	108	54	18.30	18.39	18.25			
40	PI2 BPSK	108	108	18.24	18.48	18.24	20.8	0.0	
40	PI2 BPSK	216	0	18.16	18.34	18.40			
40	QPSK	1	1	18.31	18.30	18.20			
40	QPSK	1	108	18.35	18.46	18.40	20.8	0.0	
40	QPSK	1	214	18.44	18.46	18.25			
40	QPSK	108	0	18.34	18.48	18.30	20.8	0.0	
40	QPSK	108	54	18.31	18.38	18.25			
40	QPSK	108	108	18.26	18.37	18.23	20.8	0.0	
40	QPSK	216	0	18.24	18.46	18.30			
40	QPSK	1	1	18.17	18.17	18.04	20.8	0.0	
40	MQAM	1	1	18.10	18.15	18.04	20.8	0.0	
40	MQAM	1	1	17.84	17.77	17.64	18.8	2.0	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	18.08	18.42	18.40	20.8	0.0	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	18.00	18.00	18.00	20.8	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	18.22	18.26	18.24	20.8	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	18.13	18.33	18.43	20.8	0.0	
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1	18.10	17.60	17.60	20.8	0.0	
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1	18.36	18.26	18.33	20.8	0.0	
Channel									
Frequency (MHz)									
5	PI2 BPSK	1	1	18.22	18.34	18.30	20.8	0.0	



Par27Q n77_Ant 23									
BW (MHz)	Multiplex	FE Size	FE Chof	Power Level Ch. (F/Hz)	Power Level Ch. (F/Hz)	Power Level Ch. (F/Hz)	Turn-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
100	P12-BPSK	1	1	18.92	18.92	18.92			
100	P12-BPSK	1	1	18.92	18.92	18.92	20.4	0.0	
100	P12-BPSK	1	201	18.79	18.79	18.79			
100	P12-BPSK	1	201	18.79	18.79	18.79	20.4	0.0	
100	P12-BPSK	136	68	18.92	18.92	18.92			
100	P12-BPSK	136	68	18.92	18.92	18.92	20.4	0.0	
100	P12-BPSK	270	9	18.92	18.92	18.92			
100	P12-BPSK	270	9	18.92	18.92	18.92	20.4	0.0	
100	QPSK	1	1	18.92	18.92	18.92			
100	QPSK	1	1	18.92	18.92	18.92	20.4	0.0	
100	QPSK	136	68	18.92	18.92	18.92			
100	QPSK	136	68	18.92	18.92	18.92	20.4	0.0	
100	QPSK	270	9	18.92	18.92	18.92			
100	QPSK	270	9	18.92	18.92	18.92	20.4	0.0	
100	QAM64	1	1	18.92	18.92	18.92			
100	QAM64	1	1	18.92	18.92	18.92	20.4	0.0	
100	QAM64	136	68	18.92	18.92	18.92			
100	QAM64	136	68	18.92	18.92	18.92	20.4	0.0	
100	QAM64	270	9	18.92	18.92	18.92			
100	QAM64	270	9	18.92	18.92	18.92	20.4	0.0	
100	QAM256	1	1	18.92	18.92	18.92			
100	QAM256	1	1	18.92	18.92	18.92	20.4	0.0	
100	QAM256	136	68	18.92	18.92	18.92			
100	QAM256	136	68	18.92	18.92	18.92	20.4	0.0	
100	QAM256	270	9	18.92	18.92	18.92			
100	QAM256	270	9	18.92	18.92	18.92	20.4	0.0	
100	QAM1024	1	1	18.92	18.92	18.92			
100	QAM1024	1	1	18.92	18.92	18.92	20.4	0.0	
100	QAM1024	136	68	18.92	18.92	18.92			
100	QAM1024	136	68	18.92	18.92	18.92	20.4	0.0	
100	QAM1024	270	9	18.92	18.92	18.92			
100	QAM1024	270	9	18.92	18.92	18.92	20.4	0.0	
100	QAM4096	1	1	18.92	18.92	18.92			
100	QAM4096	1	1	18.92	18.92	18.92	20.4	0.0	
100	QAM4096	136	68	18.92	18.92	18.92			
100	QAM4096	136	68	18.92	18.92	18.92	20.4	0.0	
100	QAM4096	270	9	18.92	18.92	18.92			
100	QAM4096	270	9	18.92	18.92	18.92	20.4	0.0	
100	QAM16384	1	1	18.92	18.92	18.92			
100	QAM16384	1	1	18.92	18.92	18.92	20.4	0.0	
100	QAM16384	136	68	18.92	18.92	18.92			
100	QAM16384	136	68	18.92	18.92	18.92	20.4	0.0	
100	QAM16384	270	9	18.92	18.92	18.92			
100	QAM16384	270	9	18.92	18.92	18.92	20.4	0.0	
100	QAM65536	1	1	18.92	18.92	18.92			
100	QAM65536	1	1	18.92	18.92	18.92	20.4	0.0	
100	QAM65536	136	68	18.92	18.92	18.92			
100	QAM65536	136	68	18.92	18.92	18.92	20.4	0.0	
100	QAM65536	270	9	18.92	18.92	18.92			
100	QAM65536	270	9	18.92	18.92	18.92	20.4	0.0	
100	QAM262144	1	1	18.92	18.92	18.92			
100	QAM262144	1	1	18.92	18.92	18.92	20.4	0.0	
100	QAM262144	136	68	18.92	18.92	18.92			
100	QAM262144	136	68	18.92	18.92	18.92	20.4	0.0	
100	QAM262144	270	9	18.92	18.92	18.92			
100	QAM262144	270	9	18.92	18.92	18.92	20.4	0.0	
100	QAM1048576	1	1	18.92	18.92	18.92			
100	QAM1048576	1	1	18.92	18.92	18.92	20.4	0.0	
100	QAM1048576	136	68	18.92	18.92	18.92			
100	QAM1048576	136	68	18.92	18.92	18.92	20.4	0.0	
100	QAM1048576	270	9	18.92	18.92	18.92			
100	QAM1048576	270	9	18.92	18.92	18.92	20.4	0.0	
100	QAM4194304	1	1	18.92	18.92	18.92			
100	QAM4194304	1	1	18.92	18.92	18.92	20.4	0.0	
100	QAM4194304	136	68	18.92	18.92	18.92			
100	QAM4194304	136	68	18.92	18.92	18.92	20.4	0.0	
100	QAM4194304	270	9	18.92	18.92	18.92			
100	QAM4194304	270	9	18.92	18.92	18.92	20.4	0.0	
100	QAM16776704	1	1	18.92	18.92	18.92			
100	QAM16776704	1	1	18.92	18.92	18.92	20.4	0.0	
100	QAM16776704	136	68	18.92	18.92	18.92			
100	QAM16776704	136	68	18.92	18.92	18.92	20.4	0.0	
100	QAM16776704	270	9	18.92	18.92	18.92			
100	QAM16776704	270	9	18.92	18.92	18.92	20.4	0.0	
100	QAM67106816	1	1	18.92	18.92	18.92			
100	QAM67106816	1	1	18.92	18.92	18.92	20.4	0.0	
100	QAM67106816	136	68	18.92	18.92	18.92			
100	QAM67106816	136	68	18.92	18.92	18.92	20.4	0.0	
100	QAM67106816	270	9	18.92	18.92	18.92			
100	QAM67106816	270	9	18.92	18.92	18.92	20.4	0.0	
100	QAM270427264	1	1	18.92	18.92	18.92			
100	QAM270427264	1	1	18.92	18.92	18.92	20.4	0.0	
100	QAM270427264	136	68	18.92	18.92	18.92			
100	QAM270427264	136	68	18.92	18.92	18.92	20.4	0.0	
100	QAM270427264	270	9	18.92	18.92	18.92			
100	QAM270427264	270	9	18.92	18.92	18.92	20.4	0.0	
100	QAM1081709184	1	1	18.92	18.92	18.92			
100	QAM1081709184	1	1	18.92	18.92	18.92	20.4	0.0	
100	QAM1081709184	136	68	18.92	18.92	18.92			
100	QAM1081709184	136	68	18.92	18.92	18.92	20.4	0.0	
100	QAM1081709184	270	9	18.92	18.92	18.92			
100	QAM1081709184	270	9	18.92	18.92	18.92	20.4	0.0	
100	QAM4326836736	1	1	18.92	18.92	18.92			
100	QAM4326836736	1	1	18.92	18.92	18.92	20.4	0.0	
100	QAM4326836736	136	68	18.92	18.92	18.92			
100	QAM4326836736	136	68	18.92	18.92	18.92	20.4	0.0	
100	QAM4326836736	270	9	18.92	18.92	18.92			
100	QAM4326836736	270	9	18.92	18.92	18.92	20.4	0.0	
100	QAM17307347072	1	1	18.92	18.92	18.92			
100	QAM17307347072	1	1	18.92	18.92	18.92	20.4	0.0	
100	QAM17307347072	136	68	18.92	18.92	18.92			
100	QAM17307347072	136	68	18.92	18.92	18.92	20.4	0.0	
100	QAM17307347072	270	9	18.92	18.92	18.92			
100	QAM17307347072	270	9	18.92	18.92	18.92	20.4	0.0	
100	QAM69229388224	1	1	18.92	18.92	18.92			
100	QAM69229388224	1	1	18.92	18.92	18.92	20.4	0.0	
100	QAM69229388224	136	68	18.92	18.92	18.92			
100	QAM69229388224	136	68	18.92	18.92	18.92	20.4	0.0	
100	QAM69229388224	270	9	18.92	18.92	18.92			
100	QAM69229388224	270	9	18.92	18.92	18.92	20.4	0.0	
100	QAM27691755296	1	1	18.92	18.92	18.92			
100	QAM27691755296	1	1	18.92	18.92	18.92	20.4	0.0	
100	QAM27691755296	136	68	18.92	18.92	18.92			
100	QAM27691755296	136	68	18.92	18.92	18.92	20.4	0.0	
100	QAM27691755296	270	9	18.92	18.92	18.92			
100	QAM27691755296	270	9	18.92	18.92	18.92	20.4	0.0	
100	QAM110767023104	1	1	18.92	18.92	18.92			
100	QAM110767023104	1	1	18.92	18.92	18.92	20.4	0.0	
100	QAM110767023104	136	68	18.92	18.92	18.92			
100	QAM110767023104	136	68	18.92	18.92	18.92	20.4	0.0	
100	QAM110767023104	270	9	18.92	18.92	18.92			
100	QAM110767023104	270	9	18.92	18.92	18.92	20.4	0.0	
100	QAM443068092416	1	1	18.92	18.92	18.92			
100	QAM443068092416	1	1	18.92	18.92	18.92	20.4	0.0	
100	QAM443068092416	136	68	18.92	18.92	18.92			
100	QAM443068092416	136	68	18.92	18.92	18.92	20.4	0.0	
100	QAM443068092416	270	9	18.92	18.92	18.92			
100	QAM443068092416	270	9	18.92	18.92	18.92	20.4	0.0	
100	QAM177227237184	1	1	18.92	18.92	18.92			
100	QAM177227237184	1	1	18.92	18.92	18.92	20.4	0.0	
100	QAM177227237184	136	68	18.92	18.92	18.92			
100	QAM177227237184	136	68	18.92	18.92	18.92	20.4	0.0	
100	QAM177227237184	270	9	18.92	18.92	18.92			
100	QAM177227237184	270	9	18.92	18.92	18.92	20.4	0.0	
100	QAM708908947712	1	1	18.92	18.92	18.92			
100	QAM708908947712	1	1	18.92	18.92	18.92	20.4	0.0	
100	QAM708908947712	136	68	18.92	18.92	18.92			
100	QAM708908947712	136	68	18.92	18.92	18.92	20.4	0.0	
100	QAM708908947712	270	9	18.92					



Part27Q n78_Ant 23									
BW (MHz)	Multiplex	RS Size	RS Other	Power Ch. / P1 (dBm)	Power Ch. / P2 (dBm)	Power Ch. / P3 (dBm)	Power Ch. / P4 (dBm)	Turn-up time (min)	MFR (dB)
Channel									
Frequency (MHz)									
100	P12-BPSK	1	1	18.45				20.4	0.0
100	P12-BPSK	1	1	18.52					
100	P12-BPSK	1	2/1	18.52				20.4	0.0
100	P12-BPSK	1/8	0	18.52					
100	P12-BPSK	1/8	0/0	18.52				20.4	0.0
100	P12-BPSK	2/8	0	18.52					
100	P12-BPSK	2/8	0	18.52				20.4	0.0
100	QPSK	1	1	18.49					
100	QPSK	1	1/2	18.47				20.4	0.0
100	QPSK	1	2/1	18.49					
100	QPSK	1/8	0	18.47				20.4	0.0
100	QPSK	1/8	0/0	18.47					
100	QPSK	2/8	0	18.49				20.4	0.0
100	QPSK	2/8	0/0	18.49					
100	QPSK	2/8	0	18.47				20.4	0.0
100	QPSK	2/8	0/0	18.47					
100	QPSK	2/8	0	18.45				20.4	0.0
100	QPSK	2/8	0/0	18.45					
100	QPSK	2/8	0	18.43				20.4	0.0
100	QPSK	2/8	0/0	18.43					
100	QPSK	2/8	0	18.41				20.4	0.0
100	QPSK	2/8	0/0	18.41					
100	QPSK	2/8	0	18.39				20.4	0.0
100	QPSK	2/8	0/0	18.39					
100	QPSK	2/8	0	18.37				20.4	0.0
100	QPSK	2/8	0/0	18.37					
100	QPSK	2/8	0	18.35				20.4	0.0
100	QPSK	2/8	0/0	18.35					
100	QPSK	2/8	0	18.33				20.4	0.0
100	QPSK	2/8	0/0	18.33					
100	QPSK	2/8	0	18.31				20.4	0.0
100	QPSK	2/8	0/0	18.31					
100	QPSK	2/8	0	18.29				20.4	0.0
100	QPSK	2/8	0/0	18.29					
100	QPSK	2/8	0	18.27				20.4	0.0
100	QPSK	2/8	0/0	18.27					
100	QPSK	2/8	0	18.25				20.4	0.0
100	QPSK	2/8	0/0	18.25					
100	QPSK	2/8	0	18.23				20.4	0.0
100	QPSK	2/8	0/0	18.23					
100	QPSK	2/8	0	18.21				20.4	0.0
100	QPSK	2/8	0/0	18.21					
100	QPSK	2/8	0	18.19				20.4	0.0
100	QPSK	2/8	0/0	18.19					
100	QPSK	2/8	0	18.17				20.4	0.0
100	QPSK	2/8	0/0	18.17					
100	QPSK	2/8	0	18.15				20.4	0.0
100	QPSK	2/8	0/0	18.15					
100	QPSK	2/8	0	18.13				20.4	0.0
100	QPSK	2/8	0/0	18.13					
100	QPSK	2/8	0	18.11				20.4	0.0
100	QPSK	2/8	0/0	18.11					
100	QPSK	2/8	0	18.09				20.4	0.0
100	QPSK	2/8	0/0	18.09					
100	QPSK	2/8	0	18.07				20.4	0.0
100	QPSK	2/8	0/0	18.07					
100	QPSK	2/8	0	18.05				20.4	0.0
100	QPSK	2/8	0/0	18.05					
100	QPSK	2/8	0	18.03				20.4	0.0
100	QPSK	2/8	0/0	18.03					
100	QPSK	2/8	0	18.01				20.4	0.0
100	QPSK	2/8	0/0	18.01					
100	QPSK	2/8	0	17.99				20.4	0.0
100	QPSK	2/8	0/0	17.99					
100	QPSK	2/8	0	17.97				20.4	0.0
100	QPSK	2/8	0/0	17.97					
100	QPSK	2/8	0	17.95				20.4	0.0
100	QPSK	2/8	0/0	17.95					
100	QPSK	2/8	0	17.93				20.4	0.0
100	QPSK	2/8	0/0	17.93					
100	QPSK	2/8	0	17.91				20.4	0.0
100	QPSK	2/8	0/0	17.91					
100	QPSK	2/8	0	17.89				20.4	0.0
100	QPSK	2/8	0/0	17.89					
100	QPSK	2/8	0	17.87				20.4	0.0
100	QPSK	2/8	0/0	17.87					
100	QPSK	2/8	0	17.85				20.4	0.0
100	QPSK	2/8	0/0	17.85					
100	QPSK	2/8	0	17.83				20.4	0.0
100	QPSK	2/8	0/0	17.83					
100	QPSK	2/8	0	17.81				20.4	0.0
100	QPSK	2/8	0/0	17.81					
100	QPSK	2/8	0	17.79				20.4	0.0
100	QPSK	2/8	0/0	17.79					
100	QPSK	2/8	0	17.77				20.4	0.0
100	QPSK	2/8	0/0	17.77					
100	QPSK	2/8	0	17.75				20.4	0.0
100	QPSK	2/8	0/0	17.75					
100	QPSK	2/8	0	17.73				20.4	0.0
100	QPSK	2/8	0/0	17.73					
100	QPSK	2/8	0	17.71				20.4	0.0
100	QPSK	2/8	0/0	17.71					
100	QPSK	2/8	0	17.69				20.4	0.0
100	QPSK	2/8	0/0	17.69					
100	QPSK	2/8	0	17.67				20.4	0.0
100	QPSK	2/8	0/0	17.67					
100	QPSK	2/8	0	17.65				20.4	0.0
100	QPSK	2/8	0/0	17.65					
100	QPSK	2/8	0	17.63				20.4	0.0
100	QPSK	2/8	0/0	17.63					
100	QPSK	2/8	0	17.61				20.4	0.0
100	QPSK	2/8	0/0	17.61					
100	QPSK	2/8	0	17.59				20.4	0.0
100	QPSK	2/8	0/0	17.59					
100	QPSK	2/8	0	17.57				20.4	0.0
100	QPSK	2/8	0/0	17.57					
100	QPSK	2/8	0	17.55				20.4	0.0
100	QPSK	2/8	0/0	17.55					
100	QPSK	2/8	0	17.53				20.4	0.0
100	QPSK	2/8	0/0	17.53					
100	QPSK	2/8	0	17.51				20.4	0.0
100	QPSK	2/8	0/0	17.51					
100	QPSK	2/8	0	17.49				20.4	0.0
100	QPSK	2/8	0/0	17.49					
100	QPSK	2/8	0	17.47				20.4	0.0
100	QPSK	2/8	0/0	17.47					
100	QPSK	2/8	0	17.45				20.4	0.0
100	QPSK	2/8	0/0	17.45					
100	QPSK	2/8	0	17.43				20.4	0.0
100	QPSK	2/8	0/0	17.43					
100	QPSK	2/8	0	17.41				20.4	0.0
100	QPSK	2/8	0/0	17.41					
100	QPSK	2/8	0	17.39				20.4	0.0
100	QPSK	2/8	0/0	17.39					
100	QPSK	2/8	0	17.37				20.4	0.0
100	QPSK	2/8	0/0	17.37					
100	QPSK	2/8	0	17.35				20.4	0.0
100	QPSK	2/8	0/0	17.35					
100	QPSK	2/8	0	17.33				20.4	0.0
100	QPSK	2/8	0/0	17.33					
100	QPSK	2/8	0	17.31				20.4	0.0
100	QPSK	2/8	0/0	17.31					
100	QPSK	2/8	0	17.29				20.4	0.0
100	QPSK	2/8	0/0	17.29					
100	QPSK	2/8	0	17.27				20.4	0.0
100	QPSK	2/8	0/0	17.27					
100	QPSK	2/8	0	17.25				20.4	0.0
100	QPSK	2/8	0/0	17.25					
100	QPSK	2/8	0	17.23				20.4	0.0
100	QPSK	2/8	0/0	17.23					
100	QPSK	2/8	0	17.21				20.4	0.0
100	QPSK	2/8	0/0	17.21					
100	QPSK	2/8	0	17.19				20.4	0.0
100	QPSK	2/8	0/0	17.19					
100	QPSK	2/8	0	17.17				20.4	0.0
100	QPSK	2/8	0/0	17.17					
100	QPSK	2/8	0	17.15				20.4	0.0
100	QPSK	2/8	0/0	17.15					
100	QPSK	2/8	0	17.13				20.4	0.0
100	QPSK	2/8	0/0	17.13					
100	QPSK	2/8	0	17.11				20.4	0.0
100	QPSK	2/8	0/0	17.11					
100	QPSK	2/8	0	17.09				20.4	0.0
100	QPSK	2/8	0/0	17.09					
100	QPSK	2/8	0	17.07				20.4	0.0
100	QPSK	2/8	0/0	17.07					
100	QPSK	2/8	0	17.05				20.4	0.0
100	QPSK	2/8	0/0	17.05					
100	QPSK	2/8	0	17.03				20.4	0.0
100	QPSK	2/8	0/0	17.03					
100	QPSK	2/8	0	17.01				20.4	0.0
100	QPSK	2/8	0/0	17.01					
100	QPSK	2/8	0	16.99				20.4	0.0
100	QPSK	2/8	0/0	16.99					
100	QPSK	2/8	0	16.97				20.4	0.0
100	QPSK	2/8	0/0	16.97					
100	QPSK	2/8	0	16.95				20.4	0.0
100	QPSK	2/8	0/0	16.95					
100	QPSK	2/8	0	16.93				20.4	0.0
100	QPSK	2/8	0/0	16.93					
100	QPSK	2/8	0	16.91				20.4	0.0
100	QPSK	2/8	0/0	16.91					



Part27Q n78_Ant 101									
SW (MHz)	Multicast	RS Size	RS Other	Power Type	Power Alloc. Ch. / Power	Power Type Ch. / Power	Turn-up time (sec)	MPE (dB)	
Channel									
Frequency (MHz)									
100	PV2-BPSC	1	1		2109				
100	PV2-BPSC	1	107		2110		230	0.0	
100	PV2-BPSC	1	201		2109				
100	PV2-BPSC	100	0		2109		230	0.0	
100	PV2-BPSC	100	66		2112		230	0.0	
100	PV2-BPSC	100	100		2109		230	0.0	
100	PV2-BPSC	200	0		2109		230	0.0	
100	CPSC	1	1		2109				
100	CPSC	1	107		2108		230	0.0	
100	CPSC	1	201		2108				
100	CPSC	100	0		2101		230	0.0	
100	CPSC	100	66		2102		230	0.0	
100	CPSC	100	100		2102		230	0.0	
100	CPSC	200	0		2108		230	0.0	
100	spDM	1	1		2104		230	0.0	
100	spDM	1	1		2009		235	0.0	
100	spDM	1	1		1019		230	0.0	
Channel									
Frequency (MHz)									
90	PV2-BPSC	1	1		2109	2110	2114	230	0.0
Channel									
Frequency (MHz)									
90	PV2-BPSC	1	1		2109	2111	2108	230	0.0
Channel									
Frequency (MHz)									
75	PV2-BPSC	1	1		2103	2113	2106	230	0.0
Channel									
Frequency (MHz)									
60	PV2-BPSC	1	1		2103	2104	2108	230	0.0
Channel									
Frequency (MHz)									
60	PV2-BPSC	1	1		2102	2103	2101	230	0.0
Channel									
Frequency (MHz)									
45	PV2-BPSC	1	1		2102	2103	2102	230	0.0
Channel									
Frequency (MHz)									
30	PV2-BPSC	1	1		2102	2103	2101	230	0.0
Channel									
Frequency (MHz)									
20	PV2-BPSC	1	1		2102	2103	2101	230	0.0
Channel									
Frequency (MHz)									
15	PV2-BPSC	1	1		2102	2103	2101	230	0.0
Channel									
Frequency (MHz)									
10	PV2-BPSC	1	1		2102	2103	2101	230	0.0

Part27O n78_Ant 101									
SW (MHz)	Multicast	RS Size	RS Other	Power Type	Power Alloc. Ch. / Power	Power Type Ch. / Power	Turn-up time (sec)	MPE (dB)	
Channel									
Frequency (MHz)									
100	PV2-BPSC	1	1		2109				
100	PV2-BPSC	1	107		2110		230	0.0	
100	PV2-BPSC	1	201		2109				
100	PV2-BPSC	100	0		2109		230	0.0	
100	PV2-BPSC	100	66		2112		230	0.0	
100	PV2-BPSC	100	100		2109		230	0.0	
100	PV2-BPSC	200	0		2109		230	0.0	
100	CPSC	1	1		2109				
100	CPSC	1	107		2108		230	0.0	
100	CPSC	1	201		2108				
100	CPSC	100	0		2101		230	0.0	
100	CPSC	100	66		2102		230	0.0	
100	CPSC	100	100		2102		230	0.0	
100	CPSC	200	0		2108		230	0.0	
100	spDM	1	1		2104		230	0.0	
100	spDM	1	1		2009		235	0.0	
100	spDM	1	1		1019		230	0.0	
Channel									
Frequency (MHz)									
90	PV2-BPSC	1	1		2109	2110	2114	230	0.0
Channel									
Frequency (MHz)									
90	PV2-BPSC	1	1		2109	2111	2108	230	0.0
Channel									
Frequency (MHz)									
75	PV2-BPSC	1	1		2103	2113	2106	230	0.0
Channel									
Frequency (MHz)									
60	PV2-BPSC	1	1		2103	2104	2108	230	0.0
Channel									
Frequency (MHz)									
60	PV2-BPSC	1	1		2102	2103	2101	230	0.0
Channel									
Frequency (MHz)									
45	PV2-BPSC	1	1		2102	2103	2102	230	0.0
Channel									
Frequency (MHz)									
30	PV2-BPSC	1	1		2102	2103	2101	230	0.0
Channel									
Frequency (MHz)									
20	PV2-BPSC	1	1		2102	2103	2101	230	0.0
Channel									
Frequency (MHz)									
15	PV2-BPSC	1	1		2102	2103	2101	230	0.0
Channel									
Frequency (MHz)									
10	PV2-BPSC	1	1		2102	2103	2101	230	0.0



DSI 5 & DSI 6 Power

n2_Ant14										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1/Freq. 379500	Power Media Ch. 1/Freq. 379500	Power High Ch. 1/Freq. 380500	Tune-up limit (dBm)	MPR (dB)		
Channel										
20	PI2 BPSK	1	1	17.75	17.87	17.85				
20	PI2 BPSK	1	53	17.85	18.01	17.96	19.2	0.0		
20	PI2 BPSK	1	104	17.85	17.99	17.76				
20	PI2 BPSK	50	0	17.85	17.85	17.85	19.2	0.0		
20	PI2 BPSK	50	26	17.85	17.85	17.85	19.2	0.0		
20	PI2 BPSK	50	56	17.85	17.85	17.85	19.2	0.0		
20	PI2 BPSK	100	0	17.85	17.85	17.85	19.2	0.0		
20	QPSK	1	1	17.81	17.79	17.88				
20	QPSK	1	53	17.75	17.83	17.81	19.2	0.0		
20	QPSK	1	104	17.75	17.88	17.76				
20	QPSK	50	0	17.74	17.87	17.79	19.2	0.0		
20	QPSK	50	26	17.86	17.81	17.81	19.2	0.0		
20	QPSK	50	56	17.81	17.85	17.72	19.2	0.0		
20	QPSK	100	0	17.81	17.85	17.88	19.2	0.0		
20	MSKAM	1	1	17.36	17.51	17.48	19.2	0.0		
20	MSKAM	1	1	17.42	17.52	17.48	19.2	0.0		
20	MSKAM	1	1	17.42	17.56	17.56	19.2	0.0		
Channel										
15	PI2 BPSK	1	1	17.52	17.52	17.52	19.2	0.0		
Channel										
10	PI2 BPSK	1	1	17.75	17.74	17.82	19.2	0.0		
Channel										
5	PI2 BPSK	1	1	17.77	17.81	17.77	19.2	0.0		

n2_Ant31										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1/Freq. 379500	Power Media Ch. 1/Freq. 379500	Power High Ch. 1/Freq. 380500	Tune-up limit (dBm)	MPR (dB)		
Channel										
20	PI2 BPSK	1	1	17.55	17.55	17.52				
20	PI2 BPSK	1	53	17.62	17.55	17.56	18.5	0.0		
20	PI2 BPSK	1	104	17.49	17.56	17.52				
20	PI2 BPSK	50	0	17.59	17.52	17.54	18.5	0.0		
20	PI2 BPSK	50	26	17.59	17.54	17.49	18.5	0.0		
20	PI2 BPSK	50	56	17.49	17.54	17.54	18.5	0.0		
20	PI2 BPSK	100	0	17.49	17.54	17.51	18.5	0.0		
20	QPSK	1	1	17.49	17.56	17.46				
20	QPSK	1	53	17.44	17.54	17.54	18.5	0.0		
20	QPSK	1	104	17.49	17.56	17.52				
20	QPSK	50	0	17.41	17.53	17.28	18.5	0.0		
20	QPSK	50	26	17.54	17.41	17.46	18.5	0.0		
20	QPSK	50	56	17.54	17.56	17.48	18.5	0.0		
20	QPSK	100	0	17.49	17.53	17.49	18.5	0.0		
20	MSKAM	1	1	17.17	17.25	17.15	18.5	0.0		
20	MSKAM	1	1	17.20	17.27	17.19	18.5	0.0		
20	MSKAM	1	1	17.43	17.51	17.46	18.5	0.0		
Channel										
15	PI2 BPSK	1	1	17.44	17.56	17.41	18.5	0.0		
Channel										
10	PI2 BPSK	1	1	17.44	17.59	17.54	18.5	0.0		
Channel										
5	PI2 BPSK	1	1	17.47	17.46	17.47	18.5	0.0		

n5_Ant11										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1/Freq. 167500	Power Media Ch. 1/Freq. 167500	Power High Ch. 1/Freq. 167500	Tune-up limit (dBm)	MPR (dB)		
Channel										
20	PI2 BPSK	1	1	23.13	23.16	23.14				
20	PI2 BPSK	1	53	23.24	23.23	23.22	24.2	0.0		
20	PI2 BPSK	1	104	23.11	23.17	23.14				
20	PI2 BPSK	50	0	23.21	23.24	23.21	24.2	0.0		
20	PI2 BPSK	50	26	23.26	23.26	23.21	24.2	0.0		
20	PI2 BPSK	50	56	23.03	23.12	23.12	24.2	0.0		
20	PI2 BPSK	100	0	23.19	23.20	23.11	24.2	0.0		
20	QPSK	1	1	23.01	23.13	23.09	24.2	0.0		
20	QPSK	1	53	23.13	23.18	23.19	24.2	0.0		
20	QPSK	1	104	23.03	23.14	23.11				
20	QPSK	50	0	23.09	23.03	23.01	23.7	0.5		
20	QPSK	50	26	23.19	23.07	23.01	24.2	0.0		
20	QPSK	50	56	23.15	23.06	23.11	23.7	0.5		
20	QPSK	100	0	23.03	23.07	23.09	23.7	0.5		
20	MSKAM	1	1	22.09	22.41	22.36	23.7	0.5		
20	MSKAM	1	1	20.98	21.09	20.90	22.2	2.0		
20	MSKAM	1	1	19.29	19.93	19.43	22.2	4.0		
Channel										
15	PI2 BPSK	1	1	23.17	23.17	23.17	24.2	0.0		
Channel										
10	PI2 BPSK	1	1	23.10	23.01	23.09	24.2	0.0		
Channel										
5	PI2 BPSK	1	1	23.13	23.21	23.03	24.2	0.0		

n5_Ant41										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1/Freq. 167500	Power Media Ch. 1/Freq. 167500	Power High Ch. 1/Freq. 167500	Tune-up limit (dBm)	MPR (dB)		
Channel										
20	PI2 BPSK	1	1	23.08	23.07	23.06				
20	PI2 BPSK	1	53	23.06	23.02	23.09	24.4	0.0		
20	PI2 BPSK	1	104	23.00	23.06	23.01				
20	PI2 BPSK	50	0	23.24	23.29	23.12	23.9	0.5		
20	PI2 BPSK	50	26	23.11	23.09	23.09	24.4	0.5		
20	PI2 BPSK	50	56	23.29	23.12	23.01	23.9	0.5		
20	PI2 BPSK	100	0	23.31	23.01	23.03	23.9	0.5		
20	QPSK	1	1	23.34	23.03	23.02	24.4	0.0		
20	QPSK	1	53	23.63	23.46	23.49	24.4	0.0		
20	QPSK	1	104	23.36	23.33	23.31				
20	QPSK	50	0	23.82	23.28	23.83	23.4	1.0		
20	QPSK	50	26	23.96	23.74	23.86	24.4	0.0		
20	QPSK	50	56	23.81	23.04	23.51	23.4	1.0		
20	QPSK	100	0	23.75	23.73	23.83	23.4	1.0		
20	MSKAM	1	1	22.28	22.22	22.29	23.4	1.0		
20	MSKAM	1	1	21.02	21.03	21.07	23.9	2.5		
20	MSKAM	1	1	19.52	19.26	19.21	23.9	4.5		
Channel										
15	PI2 BPSK	1	1	23.10	23.04	23.13	24.4	0.0		
Channel										
10	PI2 BPSK	1	1	23.36	23.38	23.39	24.4	0.0		
Channel										
5	PI2 BPSK	1	1	23.00	23.82	23.83	24.4	0.0		



n7_Ant14									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq. 303000)	Power Media Ch. (Freq. 303500)	Power High Ch. (Freq. 304000)	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	PSSB-FSK	1	1	19.52	19.53	19.46			
50	PSSB-FSK	1	135	19.68	19.73	19.89	21.2	0.0	
50	PSSB-FSK	1	269	19.85	19.89	19.97			
50	PSSB-FSK	135	0	19.87	19.89	19.82	21.2	0.0	
50	PSSB-FSK	135	68	19.86	19.73	19.69			
50	PSSB-FSK	135	135	19.85	19.82	19.87	21.2	0.0	
50	PSSB-FSK	270	0	19.86	19.71	19.89			
50	QPSK	1	1	19.56	19.59	19.57			
50	QPSK	1	135	19.65	19.72	19.48	21.2	0.0	
50	QPSK	1	269	19.75	19.81	19.82			
50	QPSK	135	0	19.81	19.88	19.55	21.2	0.0	
50	QPSK	135	68	19.79	19.74	19.86			
50	QPSK	135	135	19.81	19.88	19.88	21.2	0.0	
50	QPSK	270	0	19.85	19.86	19.81			
50	HQAM	1	1	19.25	19.34	19.23	21.2	0.0	
50	HQAM	1	1	19.25	19.40	19.34	21.2	0.0	
50	HQAM	1	1	19.25	19.37	19.23	21.2	0.0	
Channel									
Frequency (MHz)									
40	PSSB-FSK	1	1	19.41	19.53	19.33	21.2	0.0	
Channel									
Frequency (MHz)									
30	PSSB-FSK	1	1	19.38	19.38	19.46	21.2	0.0	
Channel									
Frequency (MHz)									
25	PSSB-FSK	1	1	19.45	19.44	19.33	21.2	0.0	
Channel									
Frequency (MHz)									
20	PSSB-FSK	1	1	19.42	19.42	19.45	21.2	0.0	
Channel									
Frequency (MHz)									
15	PSSB-FSK	1	1	19.52	19.48	19.44	21.2	0.0	
Channel									
Frequency (MHz)									
10	PSSB-FSK	1	1	19.42	19.47	19.38	21.2	0.0	
Channel									
Frequency (MHz)									
5	PSSB-FSK	1	1	19.50	19.45	19.32	21.2	0.0	

n7_Ant31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq. 303000)	Power Media Ch. (Freq. 303500)	Power High Ch. (Freq. 304000)	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	PSSB-FSK	1	1	19.75	19.68	19.72			
50	PSSB-FSK	1	135	19.83	19.93	19.88	20.9	0.0	
50	PSSB-FSK	1	269	19.75	19.78	19.85			
50	PSSB-FSK	135	0	19.27	19.81	19.77	20.9	0.0	
50	PSSB-FSK	135	68	19.82	19.82	19.86	20.9	0.0	
50	PSSB-FSK	135	135	19.84	19.84	19.72	20.9	0.0	
50	PSSB-FSK	270	0	19.74	19.87	19.86			
50	QPSK	1	1	19.50	19.44	19.51			
50	QPSK	1	135	19.28	19.82	19.78	20.9	0.0	
50	QPSK	1	269	19.82	19.77	19.87			
50	QPSK	135	0	19.24	19.82	19.78	20.9	0.0	
50	QPSK	135	68	19.82	19.82	19.86	20.9	0.0	
50	QPSK	135	135	19.75	19.82	19.72	20.9	0.0	
50	QPSK	270	0	19.87	19.81	19.74			
50	HQAM	1	1	19.35	19.45	19.38	20.9	0.0	
50	HQAM	1	1	19.41	19.50	19.29	20.9	0.0	
50	HQAM	1	1	19.40	19.11	19.06	19.9	0.0	
Channel									
Frequency (MHz)									
40	PSSB-FSK	1	1	19.24	19.76	19.77	20.9	0.0	
Channel									
Frequency (MHz)									
30	PSSB-FSK	1	1	19.23	19.71	19.58	20.9	0.0	
Channel									
Frequency (MHz)									
25	PSSB-FSK	1	1	19.13	19.35	19.57	20.9	0.0	
Channel									
Frequency (MHz)									
20	PSSB-FSK	1	1	19.04	19.70	19.64	20.9	0.0	
Channel									
Frequency (MHz)									
15	PSSB-FSK	1	1	19.23	19.58	19.64	20.9	0.0	
Channel									
Frequency (MHz)									
10	PSSB-FSK	1	1	19.41	19.34	19.67	20.9	0.0	
Channel									
Frequency (MHz)									
10	PSSB-FSK	1	1	19.25	19.71	19.77	20.9	0.0	
Channel									
Frequency (MHz)									
5	PSSB-FSK	1	1	19.27	19.81	19.78	20.9	0.0	

n66_Ant14									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq. 346000)	Power Media Ch. (Freq. 346500)	Power High Ch. (Freq. 347000)	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PSSB-FSK	1	1	17.65	17.65	17.77			
40	PSSB-FSK	1	108	18.15	18.30	18.29	19.3	0.0	
40	PSSB-FSK	1	214	17.82	17.78	17.69			
40	PSSB-FSK	108	0	18.01	18.10	18.02	19.3	0.0	
40	PSSB-FSK	108	54	18.01	18.02	18.27	19.3	0.0	
40	PSSB-FSK	108	108	18.21	18.28	18.25	19.3	0.0	
40	PSSB-FSK	216	0	18.08	18.18	18.03			
40	QPSK	1	1	17.68	17.68	17.52			
40	QPSK	1	108	18.19	18.27	18.22	19.3	0.0	
40	QPSK	1	214	17.72	17.82	17.86			
40	QPSK	108	0	18.09	18.25	18.08	19.3	0.0	
40	QPSK	108	54	18.04	18.04	18.01	19.3	0.0	
40	QPSK	108	108	18.21	18.18	18.11	19.3	0.0	
40	QPSK	216	0	18.15	18.23	18.08			
40	HQAM	1	1	17.28	17.47	17.42	19.3	0.0	
40	HQAM	1	1	17.49	17.52	17.40	19.3	0.0	
40	HQAM	1	1	17.45	17.42	17.42	19.3	0.0	
Channel									
Frequency (MHz)									
30	PSSB-FSK	1	1	17.62	17.62	17.72	19.3	0.0	
Channel									
Frequency (MHz)									
25	PSSB-FSK	1	1	17.61	17.63	17.61	19.3	0.0	
Channel									
Frequency (MHz)									
20	PSSB-FSK	1	1	17.55	17.72	17.71	19.3	0.0	
Channel									
Frequency (MHz)									
15	PSSB-FSK	1	1	17.61	17.72	17.72	19.3	0.0	
Channel									
Frequency (MHz)									
10	PSSB-FSK	1	1	17.67	17.63	17.69	19.3	0.0	
Channel									
Frequency (MHz)									
5	PSSB-FSK	1	1	17.62	17.70	17.61	19.3	0.0	

n66_Ant31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq. 346000)	Power Media Ch. (Freq. 346500)	Power High Ch. (Freq. 347000)	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PSSB-FSK	1	1	18.41	18.42	18.37			
40	PSSB-FSK	1	108	18.54	18.56	18.89	19.8	0.0	
40	PSSB-FSK	1	214	18.42	18.51	18.48			
40	PSSB-FSK	108	0	18.76	18.87	18.87	19.8	0.0	
40	PSSB-FSK	108	54	18.81	18.83	18.88	19.8	0.0	
40	PSSB-FSK	108	108	18.85	18.88	18.75	19.8	0.0	
40	PSSB-FSK	216	0	18.88	18.83	18.78			
40	QPSK	1	1	18.29	18.46	18.40			
40	QPSK	1	108	18.72	18.86	18.83	19.8	0.0	
40	QPSK	1	214	18.36	18.48	18.48			
40	QPSK	108	0	18.74	18.84	18.78	19.8	0.0	
40	QPSK	108	54	18.84	18.84	18.84	19.8	0.0	
40	QPSK	108	108	18.86	18.85	18.75	19.8	0.0	
40	QPSK	216	0	18.78	18.89	18.77			
40	HQAM	1	1	18.13	18.19	18.12	19.8	0.0	
40	HQAM	1	1	18.15	18.18	18.04	19.8	0.0	
40	HQAM	1	1	17.92	17.96	17.92	19.8	0.0	
Channel									
Frequency (MHz)									
30	PSSB-FSK	1	1	18.21	18.20	18.50	19.8	0.0	
Channel									
Frequency (MHz)									
25	PSSB-FSK	1	1	18.26	18.43	18.28	19.8	0.0	
Channel									
Frequency (MHz)									
20	PSSB-FSK	1	1	18.33	18.27	18.42	19.8	0.0	
Channel									
Frequency (MHz)									
15	PSSB-FSK	1	1	18.34	18.27	18.28	19.8	0.0	
Channel									
Frequency (MHz)									
10	PSSB-FSK	1	1	18.38	18.27	18.23	19.8	0.0	
Channel									
Frequency (MHz)									
5	PSSB-FSK	1	1	18.37	18.35	18.29	19.8	0.0	



n41_ANT 12									
RF [MHz]	Modulation	FS [MHz]	FS Offset	Power [W]	Power [W]	Power [W]	Turn-up time [min]	MFR [dB]	
				Ch. 1 (Fwd)	Ch. 2 (Fwd)	Ch. 3 (Fwd)			
Channel									
Frequency (MHz)									
100	P12-BPSK	1	1	18.56	18.57	18.51	21.8	0.0	
100	P12-BPSK	1	0	18.48	18.55	18.52			
100	P12-BPSK	1	271	18.57	18.51	18.55			
100	P12-BPSK	100	0	18.51	18.52	18.51	21.8	0.0	
100	P12-BPSK	100	0	18.41	18.48	18.41			
100	P12-BPSK	200	0	18.52	18.51	18.52	21.8	0.0	
100	QPSK	1	1	18.48	18.48	18.48			
100	QPSK	1	107	18.43	18.50	18.47	21.8	0.0	
100	QPSK	1	271	18.52	18.48	18.50			
100	QPSK	100	0	18.47	18.54	18.50			
100	QPSK	100	0	18.37	18.44	18.40	21.8	0.0	
100	QPSK	100	0	18.27	18.34	18.30			
100	QPSK	100	0	18.17	18.24	18.20	21.8	0.0	
100	QPSK	100	0	18.07	18.14	18.10			
100	QPSK	200	0	18.28	18.29	18.29	21.8	0.0	
100	QPSK	200	0	18.18	18.19	18.19			
100	QPSK	200	0	18.08	18.09	18.09	21.8	0.0	
100	QPSK	200	0	17.98	17.99	17.99			
100	QPSK	200	0	17.88	17.89	17.89	21.8	0.0	
100	QPSK	200	0	17.78	17.79	17.79			
100	QPSK	200	0	17.68	17.69	17.69	21.8	0.0	
100	QPSK	200	0	17.58	17.59	17.59			
100	QPSK	200	0	17.48	17.49	17.49	21.8	0.0	
100	QPSK	200	0	17.38	17.39	17.39			
100	QPSK	200	0	17.28	17.29	17.29	21.8	0.0	
100	QPSK	200	0	17.18	17.19	17.19			
100	QPSK	200	0	17.08	17.09	17.09	21.8	0.0	
100	QPSK	200	0	16.98	16.99	16.99			
100	QPSK	200	0	16.88	16.89	16.89	21.8	0.0	
100	QPSK	200	0	16.78	16.79	16.79			
100	QPSK	200	0	16.68	16.69	16.69	21.8	0.0	
100	QPSK	200	0	16.58	16.59	16.59			
100	QPSK	200	0	16.48	16.49	16.49	21.8	0.0	
100	QPSK	200	0	16.38	16.39	16.39			
100	QPSK	200	0	16.28	16.29	16.29	21.8	0.0	
100	QPSK	200	0	16.18	16.19	16.19			
100	QPSK	200	0	16.08	16.09	16.09	21.8	0.0	
100	QPSK	200	0	15.98	15.99	15.99			
100	QPSK	200	0	15.88	15.89	15.89	21.8	0.0	
100	QPSK	200	0	15.78	15.79	15.79			
100	QPSK	200	0	15.68	15.69	15.69	21.8	0.0	
100	QPSK	200	0	15.58	15.59	15.59			
100	QPSK	200	0	15.48	15.49	15.49	21.8	0.0	
100	QPSK	200	0	15.38	15.39	15.39			
100	QPSK	200	0	15.28	15.29	15.29	21.8	0.0	
100	QPSK	200	0	15.18	15.19	15.19			
100	QPSK	200	0	15.08	15.09	15.09	21.8	0.0	
100	QPSK	200	0	14.98	14.99	14.99			
100	QPSK	200	0	14.88	14.89	14.89	21.8	0.0	
100	QPSK	200	0	14.78	14.79	14.79			
100	QPSK	200	0	14.68	14.69	14.69	21.8	0.0	
100	QPSK	200	0	14.58	14.59	14.59			
100	QPSK	200	0	14.48	14.49	14.49	21.8	0.0	
100	QPSK	200	0	14.38	14.39	14.39			
100	QPSK	200	0	14.28	14.29	14.29	21.8	0.0	
100	QPSK	200	0	14.18	14.19	14.19			
100	QPSK	200	0	14.08	14.09	14.09	21.8	0.0	
100	QPSK	200	0	13.98	13.99	13.99			
100	QPSK	200	0	13.88	13.89	13.89	21.8	0.0	
100	QPSK	200	0	13.78	13.79	13.79			
100	QPSK	200	0	13.68	13.69	13.69	21.8	0.0	
100	QPSK	200	0	13.58	13.59	13.59			
100	QPSK	200	0	13.48	13.49	13.49	21.8	0.0	
100	QPSK	200	0	13.38	13.39	13.39			
100	QPSK	200	0	13.28	13.29	13.29	21.8	0.0	
100	QPSK	200	0	13.18	13.19	13.19			
100	QPSK	200	0	13.08	13.09	13.09	21.8	0.0	
100	QPSK	200	0	12.98	12.99	12.99			
100	QPSK	200	0	12.88	12.89	12.89	21.8	0.0	
100	QPSK	200	0	12.78	12.79	12.79			
100	QPSK	200	0	12.68	12.69	12.69	21.8	0.0	
100	QPSK	200	0	12.58	12.59	12.59			
100	QPSK	200	0	12.48	12.49	12.49	21.8	0.0	
100	QPSK	200	0	12.38	12.39	12.39			
100	QPSK	200	0	12.28	12.29	12.29	21.8	0.0	
100	QPSK	200	0	12.18	12.19	12.19			
100	QPSK	200	0	12.08	12.09	12.09	21.8	0.0	
100	QPSK	200	0	11.98	11.99	11.99			
100	QPSK	200	0	11.88	11.89	11.89	21.8	0.0	
100	QPSK	200	0	11.78	11.79	11.79			
100	QPSK	200	0	11.68	11.69	11.69	21.8	0.0	
100	QPSK	200	0	11.58	11.59	11.59			
100	QPSK	200	0	11.48	11.49	11.49	21.8	0.0	
100	QPSK	200	0	11.38	11.39	11.39			
100	QPSK	200	0	11.28	11.29	11.29	21.8	0.0	
100	QPSK	200	0	11.18	11.19	11.19			
100	QPSK	200	0	11.08	11.09	11.09	21.8	0.0	
100	QPSK	200	0	10.98	10.99	10.99			
100	QPSK	200	0	10.88	10.89	10.89	21.8	0.0	
100	QPSK	200	0	10.78	10.79	10.79			
100	QPSK	200	0	10.68	10.69	10.69	21.8	0.0	
100	QPSK	200	0	10.58	10.59	10.59			
100	QPSK	200	0	10.48	10.49	10.49	21.8	0.0	
100	QPSK	200	0	10.38	10.39	10.39			
100	QPSK	200	0	10.28	10.29	10.29	21.8	0.0	
100	QPSK	200	0	10.18	10.19	10.19			
100	QPSK	200	0	10.08	10.09	10.09	21.8	0.0	
100	QPSK	200	0	9.98	9.99	9.99			
100	QPSK	200	0	9.88	9.89	9.89	21.8	0.0	
100	QPSK	200	0	9.78	9.79	9.79			
100	QPSK	200	0	9.68	9.69	9.69	21.8	0.0	
100	QPSK	200	0	9.58	9.59	9.59			
100	QPSK	200	0	9.48	9.49	9.49	21.8	0.0	
100	QPSK	200	0	9.38	9.39	9.39			
100	QPSK	200	0	9.28	9.29	9.29	21.8	0.0	
100	QPSK	200	0	9.18	9.19	9.19			
100	QPSK	200	0	9.08	9.09	9.09	21.8	0.0	
100	QPSK	200	0	8.98	8.99	8.99			
100	QPSK	200	0	8.88	8.89	8.89	21.8	0.0	
100	QPSK	200	0	8.78	8.79	8.79			
100	QPSK	200	0	8.68	8.69	8.69	21.8	0.0	
100	QPSK	200	0	8.58	8.59	8.59			
100	QPSK	200	0	8.48	8.49	8.49	21.8	0.0	
100	QPSK	200	0	8.38	8.39	8.39			
100	QPSK	200	0	8.28	8.29	8.29	21.8	0.0	
100	QPSK	200	0	8.18	8.19	8.19			
100	QPSK	200	0	8.08	8.09	8.09	21.8	0.0	
100	QPSK	200	0	7.98	7.99	7.99			
100	QPSK	200	0	7.88	7.89	7.89	21.8	0.0	
100	QPSK	200	0	7.78	7.79	7.79			
100	QPSK	200	0	7.68	7.69	7.69	21.8	0.0	
100	QPSK	200	0	7.58	7.59	7.59			
100	QPSK	200	0	7.48	7.49	7.49	21.8	0.0	
100	QPSK	200	0	7.38	7.39	7.39			
100	QPSK	200	0	7.28	7.29	7.29	21.8	0.0	
100	QPSK	200	0	7.18	7.19	7.19			
100	QPSK	200	0	7.08	7.09	7.09	21.8	0.0	
100	QPSK	200	0	6.98	6.99	6.99			
100	QPSK	200	0	6.88	6.89	6.89	21.8	0.0	
100	QPSK	200	0	6.78	6.79	6.79			
100	QPSK	200	0	6.68	6.69	6.69	21.8	0.0	
100	QPSK	200	0	6.58	6.59	6.59			
100	QPSK	200	0	6.48	6.49	6.49	21.8	0.0	
100	QPSK	200	0	6.38	6.39	6.39			
100	QPSK	200	0	6.28	6.29	6.29	21.8	0.0	
100	QPSK	200	0	6.18	6.19	6.19			
100	QPSK	200	0	6.08	6.09	6.09	21.8	0.0	
100	QPSK	200	0	5.98	5.99	5.99			
100	QPSK	200	0	5.88	5.89	5.89	21.8	0.0	
100	QPSK	200	0	5.78	5.79	5.79			
100	QPSK	200	0	5.68	5.69	5.69	21.8	0.0	
100	QPSK	200	0	5.58	5.59	5.59			
100	QPSK	200	0	5.48	5.49	5.49	21.8	0.0	
100	QPSK	200	0	5.38	5.39	5.39			
100	QPSK	200	0	5.28	5.29	5.29	21.8	0.0	
100	QPSK	200	0	5.18	5.19	5.19			
100	QPSK	200	0	5.08	5.09	5.09	21.8	0.0	
100	QPSK	200	0	4.98	4.99	4.99			
100	QPSK	200	0	4.88	4.89	4.89	21.8	0.0	
100	QPSK	200	0	4.78	4.79	4.79			
100	QPS								



Part27Q n78_Ant 23									
BW (MHz)	Multiplex	RS Size	RS Other	Power Type	Power Ch. / Freq.	Power Ch. / Freq.	Power Ch. / Freq.	Turn-up time (min)	MFR (dB)
Channel									
Frequency (MHz)									
100	P12-BPSK	1	1		1687				
100	P12-BPSK	1	1	107	1722			16.9	0.0
100	P12-BPSK	1	2/1		1720				
100	P12-BPSK	1/0	0		1717			16.9	0.0
100	P12-BPSK	1/0	0		1740			16.9	0.0
100	P12-BPSK	2/0	0		1747			16.9	0.0
100	QPSK	1	1		1684				
100	QPSK	1	1/2		1717			16.9	0.0
100	QPSK	1	2/1		1715				
100	QPSK	1/0	0		1715			16.9	0.0
100	QPSK	1/0	0		1722			16.9	0.0
100	QPSK	2/0	0		1742			16.9	0.0
100	spQAM	1	1		1723			16.9	0.0
100	spQAM	1	1		1720			16.9	0.0
100	spQAM	1	1		1720			16.9	0.0
Channel									
Frequency (MHz)									
90	P12-BPSK	1	1		1680			16.9	0.0
90	P12-BPSK	1	1	107	1620			16.9	0.0
90	P12-BPSK	1	2/1		1618				
90	P12-BPSK	1/0	0		1615			16.9	0.0
90	P12-BPSK	1/0	0		1638			16.9	0.0
90	P12-BPSK	2/0	0		1635			16.9	0.0
Channel									
Frequency (MHz)									
80	P12-BPSK	1	1		1620			16.9	0.0
80	P12-BPSK	1	1	107	1560			16.9	0.0
80	P12-BPSK	1	2/1		1558				
80	P12-BPSK	1/0	0		1555			16.9	0.0
80	P12-BPSK	1/0	0		1578			16.9	0.0
80	P12-BPSK	2/0	0		1575			16.9	0.0
Channel									
Frequency (MHz)									
70	P12-BPSK	1	1		1560			16.9	0.0
70	P12-BPSK	1	1	107	1500			16.9	0.0
70	P12-BPSK	1	2/1		1498				
70	P12-BPSK	1/0	0		1495			16.9	0.0
70	P12-BPSK	1/0	0		1518			16.9	0.0
70	P12-BPSK	2/0	0		1515			16.9	0.0
Channel									
Frequency (MHz)									
60	P12-BPSK	1	1		1500			16.9	0.0
60	P12-BPSK	1	1	107	1440			16.9	0.0
60	P12-BPSK	1	2/1		1438				
60	P12-BPSK	1/0	0		1435			16.9	0.0
60	P12-BPSK	1/0	0		1458			16.9	0.0
60	P12-BPSK	2/0	0		1455			16.9	0.0
Channel									
Frequency (MHz)									
50	P12-BPSK	1	1		1440			16.9	0.0
50	P12-BPSK	1	1	107	1380			16.9	0.0
50	P12-BPSK	1	2/1		1378				
50	P12-BPSK	1/0	0		1375			16.9	0.0
50	P12-BPSK	1/0	0		1398			16.9	0.0
50	P12-BPSK	2/0	0		1395			16.9	0.0
Channel									
Frequency (MHz)									
40	P12-BPSK	1	1		1380			16.9	0.0
40	P12-BPSK	1	1	107	1320			16.9	0.0
40	P12-BPSK	1	2/1		1318				
40	P12-BPSK	1/0	0		1315			16.9	0.0
40	P12-BPSK	1/0	0		1338			16.9	0.0
40	P12-BPSK	2/0	0		1335			16.9	0.0
Channel									
Frequency (MHz)									
30	P12-BPSK	1	1		1320			16.9	0.0
30	P12-BPSK	1	1	107	1260			16.9	0.0
30	P12-BPSK	1	2/1		1258				
30	P12-BPSK	1/0	0		1255			16.9	0.0
30	P12-BPSK	1/0	0		1278			16.9	0.0
30	P12-BPSK	2/0	0		1275			16.9	0.0
Channel									
Frequency (MHz)									
20	P12-BPSK	1	1		1260			16.9	0.0
20	P12-BPSK	1	1	107	1200			16.9	0.0
20	P12-BPSK	1	2/1		1198				
20	P12-BPSK	1/0	0		1195			16.9	0.0
20	P12-BPSK	1/0	0		1218			16.9	0.0
20	P12-BPSK	2/0	0		1215			16.9	0.0
Channel									
Frequency (MHz)									
10	P12-BPSK	1	1		1200			16.9	0.0
10	P12-BPSK	1	1	107	1140			16.9	0.0
10	P12-BPSK	1	2/1		1138				
10	P12-BPSK	1/0	0		1135			16.9	0.0
10	P12-BPSK	1/0	0		1158			16.9	0.0
10	P12-BPSK	2/0	0		1155			16.9	0.0

Part27O n78_Ant 23									
BW (MHz)	Multiplex	RS Size	RS Other	Power Type	Power Ch. / Freq.	Power Ch. / Freq.	Power Ch. / Freq.	Turn-up time (min)	MFR (dB)
Channel									
Frequency (MHz)									
100	P12-BPSK	1	1		1680				
100	P12-BPSK	1	1	107	1620			16.9	0.0
100	P12-BPSK	1	2/1		1618				
100	P12-BPSK	1/0	0		1615			16.9	0.0
100	P12-BPSK	1/0	0		1638			16.9	0.0
100	P12-BPSK	2/0	0		1635			16.9	0.0
100	QPSK	1	1		1684				
100	QPSK	1	1/2		1717			16.9	0.0
100	QPSK	1	2/1		1715				
100	QPSK	1/0	0		1715			16.9	0.0
100	QPSK	1/0	0		1722			16.9	0.0
100	QPSK	2/0	0		1742			16.9	0.0
100	spQAM	1	1		1723			16.9	0.0
100	spQAM	1	1		1720			16.9	0.0
100	spQAM	1	1		1720			16.9	0.0
Channel									
Frequency (MHz)									
90	P12-BPSK	1	1		1620			16.9	0.0
90	P12-BPSK	1	1	107	1560			16.9	0.0
90	P12-BPSK	1	2/1		1558				
90	P12-BPSK	1/0	0		1555			16.9	0.0
90	P12-BPSK	1/0	0		1578			16.9	0.0
90	P12-BPSK	2/0	0		1575			16.9	0.0
Channel									
Frequency (MHz)									
80	P12-BPSK	1	1		1560			16.9	0.0
80	P12-BPSK	1	1	107	1500			16.9	0.0
80	P12-BPSK	1	2/1		1498				
80	P12-BPSK	1/0	0		1495			16.9	0.0
80	P12-BPSK	1/0	0		1518			16.9	0.0
80	P12-BPSK	2/0	0		1515			16.9	0.0
Channel									
Frequency (MHz)									
70	P12-BPSK	1	1		1500			16.9	0.0
70	P12-BPSK	1	1	107	1440			16.9	0.0
70	P12-BPSK	1	2/1		1438				
70	P12-BPSK	1/0	0		1435			16.9	0.0
70	P12-BPSK	1/0	0		1458			16.9	0.0
70	P12-BPSK	2/0	0		1455			16.9	0.0
Channel									
Frequency (MHz)									
60	P12-BPSK	1	1		1440			16.9	0.0
60	P12-BPSK	1	1	107	1380			16.9	0.0
60	P12-BPSK	1	2/1		1378				
60	P12-BPSK	1/0	0		1375			16.9	0.0
60	P12-BPSK	1/0	0		1398			16.9	0.0
60	P12-BPSK	2/0	0		1395			16.9	0.0
Channel									
Frequency (MHz)									
50	P12-BPSK	1	1		1380			16.9	0.0
50	P12-BPSK	1	1	107	1320			16.9	0.0
50	P12-BPSK	1	2/1		1318				
50	P12-BPSK	1/0	0		1315			16.9	0.0
50	P12-BPSK	1/0	0		1338			16.9	0.0
50	P12-BPSK	2/0	0		1335			16.9	0.0
Channel									
Frequency (MHz)									
40	P12-BPSK	1	1		1320			16.9	0.0
40	P12-BPSK	1	1	107	1260			16.9	0.0
40	P12-BPSK	1	2/1		1258				
40	P12-BPSK	1/0	0		1255			16.9	0.0
40	P12-BPSK	1/0	0		1278			16.9	0.0
40	P12-BPSK	2/0	0		1275			16.9	0.0
Channel									
Frequency (MHz)									
30	P12-BPSK	1	1		1260			16.9	0.0
30	P12-BPSK	1	1	107	1200			16.9	0.0
30	P12-BPSK	1	2/1		1198				
30	P12-BPSK	1/0	0		1195			16.9	0.0
30	P12-BPSK	1/0	0		1218			16.9	0.0
30	P12-BPSK	2/0	0		1215			16.9	0.0
Channel									
Frequency (MHz)									
20	P12-BPSK	1	1		1200			16.9	0.0
20	P12-BPSK	1	1	107	1140			16.9	0.0
20	P12-BPSK	1	2/1		1138				
20	P12-BPSK	1/0	0		1135			16.9	0.0
20	P12-BPSK	1/0	0		1158			16.9	0.0
20	P12-BPSK	2/0	0		1155			16.9	0.0

Part27Q n78_Ant 24									
BW (MHz)	Multiplex	RS Size	RS Other	Power Type	Power Ch. / Freq.	Power Ch. / Freq.	Power Ch. / Freq.	Turn	



Part27Q n78_Ant 101									
SW (MHz)	Multicast	RS Size	RS Other	Power Type	Power Class / Power	Power Class / Power	Turn-up time (s)	MFR (dB)	
Channel									
Frequency (MHz)									
100	P-V2-BPSC	1	1		1825				
100	P-V2-BPSC	1	107		1824		215	0.0	
100	P-V2-BPSC	1	201		1821				
100	P-V2-BPSC	1	0		1824		215	0.0	
100	P-V2-BPSC	100	00		1813		215	0.0	
100	P-V2-BPSC	100	00		1821				
100	P-V2-BPSC	200	0		1813		215	0.0	
100	CPSC	1	1		1824				
100	CPSC	1	107		1812		215	0.0	
100	CPSC	1	201		1808				
100	CPSC	100	0		1835				
100	CPSC	100	00		1811		215	0.0	
100	CPSC	100	00		1820				
100	CPSC	200	0		1809		215	0.0	
100	SPSCM	1	1		1824		215	0.0	
100	SPSCM	1	1		1820		215	0.0	
100	SPSCM	1	1		1818		200	1.0	
Channel									
Frequency (MHz)									
90	P-V2-BPSC	1	1		1824	1841	1835	215	0.0
Channel									
Frequency (MHz)									
90	P-V2-BPSC	1	1		1825	1842	1836	215	0.0
Channel									
Frequency (MHz)									
75	P-V2-BPSC	1	1		1820	1823	1824	215	0.0
Channel									
Frequency (MHz)									
60	P-V2-BPSC	1	1		1820	1827	1833	215	0.0
Channel									
Frequency (MHz)									
60	P-V2-BPSC	1	1		1820	1822	1822	215	0.0
Channel									
Frequency (MHz)									
45	P-V2-BPSC	1	1		1820	1824	1820	215	0.0
Channel									
Frequency (MHz)									
30	P-V2-BPSC	1	1		1820	1823	1820	215	0.0
Channel									
Frequency (MHz)									
20	P-V2-BPSC	1	1		1820	1822	1824	215	0.0
Channel									
Frequency (MHz)									
15	P-V2-BPSC	1	1		1820	1823	1820	215	0.0
Channel									
Frequency (MHz)									
10	P-V2-BPSC	1	1		1820	1822	1820	215	0.0

Part27O n78_Ant 101									
SW (MHz)	Multicast	RS Size	RS Other	Power Type	Power Class / Power	Power Class / Power	Turn-up time (s)	MFR (dB)	
Channel									
Frequency (MHz)									
100	P-V2-BPSC	1	1		1820				
100	P-V2-BPSC	1	107		1821				
100	P-V2-BPSC	1	201		1820				
100	P-V2-BPSC	100	00		1820				
100	P-V2-BPSC	100	00		1820				
100	P-V2-BPSC	200	0		1820				
100	CPSC	1	1		1820				
100	CPSC	1	107		1820				
100	CPSC	1	201		1820				
100	CPSC	100	00		1820				
100	CPSC	100	00		1820				
100	CPSC	200	0		1820				
100	SPSCM	1	1		1820				
100	SPSCM	1	1		1820				
100	SPSCM	1	1		1820				
Channel									
Frequency (MHz)									
90	P-V2-BPSC	1	1		1820	1820	1820	215	0.0
Channel									
Frequency (MHz)									
90	P-V2-BPSC	1	1		1820	1820	1820	215	0.0
Channel									
Frequency (MHz)									
75	P-V2-BPSC	1	1		1820	1820	1820	215	0.0
Channel									
Frequency (MHz)									
60	P-V2-BPSC	1	1		1820	1820	1820	215	0.0
Channel									
Frequency (MHz)									
60	P-V2-BPSC	1	1		1820	1820	1820	215	0.0
Channel									
Frequency (MHz)									
45	P-V2-BPSC	1	1		1820	1820	1820	215	0.0
Channel									
Frequency (MHz)									
30	P-V2-BPSC	1	1		1820	1820	1820	215	0.0
Channel									
Frequency (MHz)									
20	P-V2-BPSC	1	1		1820	1820	1820	215	0.0
Channel									
Frequency (MHz)									
15	P-V2-BPSC	1	1		1820	1820	1820	215	0.0
Channel									
Frequency (MHz)									
10	P-V2-BPSC	1	1		1820	1820	1820	215	0.0



DSI 7 Power

n2_Ant14										
BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)		
				Low Ch. / Freq.	Mid Ch. / Freq.	High Ch. / Freq.				
Channel										
Frequency (MHz)				1800	1800	1800				
20	PI2 BPSK	1	1	21.80	21.70	21.80				
20	PI2 BPSK	1	83	21.96	22.12	22.11	23.2		0.0	
20	PI2 BPSK	1	104	21.92	21.85	22.01				
20	PI2 BPSK	50	0	21.91	21.95	21.43	22.7		0.5	
20	PI2 BPSK	50	88	21.92	21.94	21.90	23.2		0.0	
20	PI2 BPSK	50	56	21.47	21.31	21.38	22.7		0.5	
20	PI2 BPSK	100	0	21.39	21.45	21.43				
20	QPSK	1	1	21.83	21.74	21.78				
20	QPSK	1	53	21.93	21.98	22.02	23.2		0.0	
20	QPSK	1	104	21.89	21.82	21.89				
20	QPSK	50	0	20.79	20.85	20.88	22.2		1.0	
20	QPSK	50	28	21.91	21.91	21.86	23.2		0.0	
20	QPSK	50	56	20.92	20.83	20.89	22.2		1.0	
20	QPSK	100	0	20.85	20.80	20.84				
20	16QAM	1	1	20.52	20.49	20.43	22.2		1.0	
20	54QAM	1	1	19.07	19.06	18.11	20.7		2.5	
20	256QAM	1	1	17.70	17.58	17.62	18.7		4.5	
Channel										
Frequency (MHz)				371500	376000	380500	Tune-up limit (dBm)		MPR (dB)	
15	PI2 BPSK	1	1	21.80	21.80	21.75	23.2		0.0	
Channel										
Frequency (MHz)				371000	376000	381000	Tune-up limit (dBm)		MPR (dB)	
10	PI2 BPSK	1	1	21.88	21.85	21.97	23.2		0.0	
Channel										
Frequency (MHz)				370500	376000	381500	Tune-up limit (dBm)		MPR (dB)	
5	PI2 BPSK	1	1	22.00	21.85	22.00	23.2		0.0	

n7_Ant14										
BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)		
				Low Ch. / Freq.	Mid Ch. / Freq.	High Ch. / Freq.				
Channel										
Frequency (MHz)				505000	507000	509000				
50	PI2 BPSK	1	1	23.01	22.98	22.98				
50	PI2 BPSK	1	135	23.28	23.35	23.32	24.7		0.0	
50	PI2 BPSK	1	268	23.07	23.09	23.33				
50	PI2 BPSK	135	0	22.77	22.86	22.80	24.2		0.5	
50	PI2 BPSK	135	69	23.15	23.22	23.20	24.7		0.0	
50	PI2 BPSK	135	135	22.87	22.75	22.91	24.2		0.5	
50	PI2 BPSK	270	0	22.70	22.80	22.75				
50	QPSK	1	1	22.94	22.92	22.94				
50	QPSK	1	135	23.19	23.19	23.22	24.7		0.0	
50	QPSK	1	268	23.03	23.11	23.28				
50	QPSK	135	0	22.15	22.15	22.31	23.7		1.0	
50	QPSK	135	68	23.31	23.20	23.30	24.7		0.0	
50	QPSK	135	135	22.16	22.17	22.32	23.7		1.0	
50	QPSK	270	0	22.16	22.18	22.30				
50	16QAM	1	1	21.73	21.70	21.72	23.7		1.0	
50	54QAM	1	1	20.34	20.45	20.40	22.2		2.5	
50	256QAM	1	1	18.97	19.04	18.97	20.2		4.5	
Channel										
Frequency (MHz)				504000	507000	510000	Tune-up limit (dBm)		MPR (dB)	
40	PI2 BPSK	1	1	23.05	23.03	23.02	24.7		0.0	
Channel										
Frequency (MHz)				503000	507000	511000	Tune-up limit (dBm)		MPR (dB)	
30	PI2 BPSK	1	1	23.00	22.84	22.97	24.7		0.0	
Channel										
Frequency (MHz)				502500	507000	511500	Tune-up limit (dBm)		MPR (dB)	
25	PI2 BPSK	1	1	23.04	22.84	23.01	24.7		0.0	
Channel										
Frequency (MHz)				2510	2535	2550	Tune-up limit (dBm)		MPR (dB)	
20	PI2 BPSK	1	1	23.06	22.86	23.03	24.7		0.0	
Channel										
Frequency (MHz)				501500	507000	512500	Tune-up limit (dBm)		MPR (dB)	
15	PI2 BPSK	1	1	23.09	22.80	23.08	24.2		0.0	
Channel										
Frequency (MHz)				501000	507000	513000	Tune-up limit (dBm)		MPR (dB)	
10	PI2 BPSK	1	1	23.04	22.84	23.01	24.7		0.0	
Channel										
Frequency (MHz)				500500	507000	513500	Tune-up limit (dBm)		MPR (dB)	
5	PI2 BPSK	1	1	23.00	22.80	22.97	24.7		0.0	

n66_Ant14										
BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)		
				Low Ch. / Freq.	Mid Ch. / Freq.	High Ch. / Freq.				
Channel										
Frequency (MHz)				346000	349000	352000				
40	PI2 BPSK	1	1	19.28	19.64	19.75				
40	PI2 BPSK	1	108	20.21	20.20	20.25	21.3		0.0	
40	PI2 BPSK	1	214	19.75	19.82	19.79				
40	PI2 BPSK	108	0	19.97	20.13	20.09	21.3		0.0	
40	PI2 BPSK	108	54	19.97	20.20	20.13	21.3		0.0	
40	PI2 BPSK	108	108	20.01	20.17	20.17	21.3		0.0	
40	PI2 BPSK	216	0	20.14	20.18	20.11				
40	QPSK	1	1	19.97	19.72	19.89				
40	QPSK	1	108	20.16	20.26	20.28	21.3		0.0	
40	QPSK	1	214	19.99	19.74	19.72				
40	QPSK	108	0	20.06	20.12	19.99	21.3		0.0	
40	QPSK	108	54	20.14	20.24	20.14	21.3		0.0	
40	QPSK	108	108	20.06	20.14	20.08	21.3		0.0	
40	QPSK	216	0	19.96	20.17	20.17				
40	16QAM	1	1	19.25	19.47	19.36	20.8		0.5	
40	54QAM	1	1	18.16	18.15	18.10	20.3		1.0	
40	256QAM	1	1	17.51	17.59	17.55	18.8		2.5	
Channel										
Frequency (MHz)				345000	349000	353000	Tune-up limit (dBm)		MPR (dB)	
30	PI2 BPSK	1	1	19.66	19.65	19.72	21.3		0.0	
Channel										
Frequency (MHz)				344500	349000	353500	Tune-up limit (dBm)		MPR (dB)	
25	PI2 BPSK	1	1	19.72	19.65	19.75	21.3		0.0	
Channel										
Frequency (MHz)				344000	349000	354000	Tune-up limit (dBm)		MPR (dB)	
20	PI2 BPSK	1	1	19.81	19.86	19.87	21.3		0.0	
Channel										
Frequency (MHz)				343500	349000	354500	Tune-up limit (dBm)		MPR (dB)	
15	PI2 BPSK	1	1	19.67	19.73	19.73	20.8		0.0	
Channel										
Frequency (MHz)				343000	349000	355000	Tune-up limit (dBm)		MPR (dB)	
10	PI2 BPSK	1	1	19.83	19.81	19.89	21.3		0.0	
Channel										
Frequency (MHz)				342500	349000	355500	Tune-up limit (dBm)		MPR (dB)	
5	PI2 BPSK	1	1	19.70	19.84	19.75	21.3		0.0	



n41_ANT 12										
BW (MHz)	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)										
100	PI2 BPSK	1	1	22.41	22.31	22.24				
100	PI2 BPSK	1	137	23.12	23.18	23.13	24.3	0.0		
100	PI2 BPSK	1	271	22.48	22.42	22.45				
100	PI2 BPSK	135	0	22.56	22.50	22.43	23.8	0.5		
100	PI2 BPSK	135	69	23.10	23.15	23.10	24.3	0.0		
100	PI2 BPSK	135	138	22.51	22.50	22.47				
100	PI2 BPSK	270	0	22.57	22.59	22.45	23.8	0.5		
100	QPSK	1	1	22.40	22.38	22.25				
100	QPSK	1	137	23.10	23.08	23.11	24.3	0.0		
100	QPSK	1	271	22.42	22.50	22.45				
100	QPSK	135	0	22.43	22.39	22.44				
100	QPSK	135	69	23.06	23.11	23.15	24.3	0.0		
100	QPSK	135	138	22.50	22.35	22.40				
100	QPSK	270	0	22.05	22.01	21.95	23.3	1.0		
100	16QAM	1	1	21.86	21.85	21.80	23.3	1.0		
100	64QAM	1	1	18.71	18.98	18.65	21.8	2.5		
100	256QAM	1	1	18.25	18.42	18.31	19.8	4.5		
Channel										
Frequency (MHz)										
90	PI2 BPSK	1	1	23.82	22.43	22.83	24.3	0.0		
Channel										
Frequency (MHz)										
80	PI2 BPSK	1	1	22.50	22.33	22.33	24.3	0.0		
Channel										
Frequency (MHz)										
60	PI2 BPSK	1	1	22.54	22.41	22.37	24.3	0.0		
Channel										
Frequency (MHz)										
50	PI2 BPSK	1	1	22.49	22.48	22.32	24.3	0.0		
Channel										
Frequency (MHz)										
40	PI2 BPSK	1	1	22.45	22.49	22.31	24.3	0.0		
Channel										
Frequency (MHz)										
30	PI2 BPSK	1	1	22.43	22.37	22.20	24.3	0.0		
Channel										
Frequency (MHz)										
20	PI2 BPSK	1	1	22.54	22.48	22.37	24.3	0.0		
Channel										
Frequency (MHz)										
15	PI2 BPSK	1	1	22.59	22.48	22.42	24.3	0.0		
Channel										
Frequency (MHz)										
10	PI2 BPSK	1	1	22.54	22.50	22.37	24.3	0.0		

Par27Q n77_Ant 13										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PI2 BPSK	1	1	20.91	20.91	20.91				
100	PI2 BPSK	1	137	21.78	21.78	21.78	22.3	0.0		
100	PI2 BPSK	1	271	21.02	21.02	21.02				
100	PI2 BPSK	135	0	21.60	21.60	21.60	22.3	0.0		
100	PI2 BPSK	135	69	21.70	21.70	21.70	22.3	0.0		
100	PI2 BPSK	135	138	21.45	21.45	21.45	22.3	0.0		
100	PI2 BPSK	270	0	21.54	21.54	21.54	22.3	0.0		
100	QPSK	1	1	20.88	20.88	20.88				
100	QPSK	1	137	21.62	21.62	21.62	22.3	0.0		
100	QPSK	1	271	21.02	21.02	21.02				
100	QPSK	135	0	21.56	21.56	21.56	22.3	0.0		
100	QPSK	135	69	21.73	21.73	21.73	22.3	0.0		
100	QPSK	135	138	21.48	21.48	21.48	22.3	0.0		
100	QPSK	270	0	21.57	21.57	21.57	22.3	0.0		
100	16QAM	1	1	20.69	20.69	20.69	22.3	0.0		
100	64QAM	1	1	20.76	20.76	20.76	21.8	0.5		
100	256QAM	1	1	21.33	21.33	21.33	19.8	2.5		
Channel										
Frequency (MHz)										
90	PI2 BPSK	1	1	20.88	20.84	20.82	22.3	0.0		
Channel										
Frequency (MHz)										
80	PI2 BPSK	1	1	20.87	20.77	20.77	22.3	0.0		
Channel										
Frequency (MHz)										
60	PI2 BPSK	1	1	20.94	20.86	20.71	22.3	0.0		
Channel										
Frequency (MHz)										
50	PI2 BPSK	1	1	20.90	20.78	20.71	22.3	0.0		
Channel										
Frequency (MHz)										
40	PI2 BPSK	1	1	20.87	20.83	20.74	22.3	0.0		
Channel										
Frequency (MHz)										
30	PI2 BPSK	1	1	20.85	20.83	20.82	22.3	0.0		
Channel										
Frequency (MHz)										
20	PI2 BPSK	1	1	20.85	20.80	20.71	22.3	0.0		
Channel										
Frequency (MHz)										
15	PI2 BPSK	1	1	20.84	20.88	20.71	22.3	0.0		
Channel										
Frequency (MHz)										
10	PI2 BPSK	1	1	20.83	20.91	20.73	22.3	0.0		

Par270 n77_Ant 13										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PI2 BPSK	1	1	20.89	20.85	20.77				
100	PI2 BPSK	1	137	21.92	21.92	21.92	22.3	0.0		
100	PI2 BPSK	1	271	21.10	20.95	20.97				
100	PI2 BPSK	135	0	21.42	21.28	21.37	22.3	0.0		
100	PI2 BPSK	135	69	21.64	21.51	21.50	22.3	0.0		
100	PI2 BPSK	135	138	21.47	21.41	21.35	22.3	0.0		
100	PI2 BPSK	270	0	21.47	21.32	21.33	22.3	0.0		
100	QPSK	1	1	20.72	20.68	20.62				
100	QPSK	1	137	21.63	20.62	21.50	22.3	0.0		
100	QPSK	1	271	20.93	20.94	20.70				
100	QPSK	135	0	21.43	21.25	21.33				
100	QPSK	135	69	21.64	21.47	21.53	22.3	0.0		
100	QPSK	135	138	21.47	21.37	21.38				
100	QPSK	270	0	21.44	21.27	21.32	22.3	0.0		
100	16QAM	1	1	20.51	20.34	20.38	22.3	0.0		
100	64QAM	1	1	20.56	20.42	20.46	21.8	0.5		
100	256QAM	1	1	21.14	21.02	21.05	19.8	2.5		
Channel										
Frequency (MHz)										
80	PI2 BPSK	1	1	20.85	20.88	20.89	22.3	0.0		
Channel										
Frequency (MHz)										
80	PI2 BPSK	1	1	20.91	20.91	20.68	22.3	0.0		
Channel										
Frequency (MHz)										
60	PI2 BPSK	1	1	20.90	20.92	20.63	22.3	0.0		
Channel										
Frequency (MHz)										
50	PI2 BPSK	1	1	20.95	20.90	20.63	22.3	0.0		
Channel										
Frequency (MHz)										
40	PI2 BPSK	1	1	20.94	20.89	20.60	22.3	0.0		
Channel										
Frequency (MHz)										
30	PI2 BPSK	1	1	20.90	20.83	20.67	22.3	0.0		
Channel										
Frequency (MHz)										
20	PI2 BPSK	1	1	20.89	20.83	20.67	22.3	0.0		
Channel										
Frequency (MHz)										
15	PI2 BPSK	1	1	20.84	20.85	20.69	22.3	0.0		
Channel										
Frequency (MHz)										
10	PI2 BPSK	1	1	20.88	20.85	20.69	22.3	0.0		



Part27Q n78_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dbm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	20.99	21.73	21.06	22.5	0.0	
100	PI2 BPSK	1	137	21.52	21.73	21.06	22.5	0.0	
100	PI2 BPSK	1	271	21.52	21.73	21.06	22.5	0.0	
100	PI2 BPSK	135	0	21.50	21.58	21.48	22.5	0.0	
100	PI2 BPSK	135	138	21.50	21.58	21.48	22.5	0.0	
100	PI2 BPSK	270	0	21.48	21.58	21.48	22.5	0.0	
100	QPSK	1	1	20.84	21.64	21.48	22.5	0.0	
100	QPSK	1	137	21.64	21.64	21.48	22.5	0.0	
100	QPSK	1	271	21.63	21.63	21.48	22.5	0.0	
100	QPSK	135	0	21.48	21.48	21.48	22.5	0.0	
100	QPSK	135	69	21.66	21.48	21.48	22.5	0.0	
100	QPSK	135	138	21.43	21.43	21.48	22.5	0.0	
100	QPSK	270	0	21.48	21.48	21.31	22.5	0.0	
100	16QAM	1	1	20.85	20.85	20.85	22.5	0.0	
100	64QAM	1	1	20.71	20.71	20.46	22.0	0.5	
100	256QAM	1	1	21.28	21.28	20.10	22.5	2.5	
Channel									
Frequency (MHz)									
90	PI2 BPSK	1	1	20.97	20.86	20.89	22.5	0.0	
Channel									
Frequency (MHz)									
80	PI2 BPSK	1	1	20.94	20.90	20.87	22.5	0.0	
Channel									
Frequency (MHz)									
70	PI2 BPSK	1	1	20.83	20.96	20.92	22.5	0.0	
Channel									
Frequency (MHz)									
60	PI2 BPSK	1	1	20.89	21.01	20.81	22.5	0.0	
Channel									
Frequency (MHz)									
50	PI2 BPSK	1	1	20.92	20.93	20.91	22.5	0.0	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	20.86	20.95	20.88	22.5	0.0	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	20.86	20.89	20.85	22.5	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	20.89	20.86	20.86	22.5	0.0	
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1	20.82	20.91	20.81	22.5	0.0	
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1	20.96	20.95	20.90	22.5	0.0	

Part27O n78_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dbm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	20.68	21.45	20.82	22.5	0.0	
100	PI2 BPSK	1	137	21.45	21.45	21.24	22.5	0.0	
100	PI2 BPSK	1	271	21.45	21.45	21.24	22.5	0.0	
100	PI2 BPSK	135	0	21.27	21.27	21.27	22.5	0.0	
100	PI2 BPSK	135	69	21.42	21.42	21.27	22.5	0.0	
100	PI2 BPSK	135	138	21.27	21.27	21.27	22.5	0.0	
100	PI2 BPSK	270	0	21.28	21.28	21.28	22.5	0.0	
100	QPSK	1	1	20.66	21.45	20.66	22.5	0.0	
100	QPSK	1	137	21.45	21.45	20.78	22.5	0.0	
100	QPSK	1	271	20.78	20.78	20.78	22.5	0.0	
100	QPSK	135	0	21.27	21.27	21.27	22.5	0.0	
100	QPSK	135	69	21.43	21.43	21.27	22.5	0.0	
100	QPSK	135	138	21.28	21.28	21.28	22.5	0.0	
100	QPSK	270	0	21.31	21.31	21.31	22.5	0.0	
100	16QAM	1	1	20.42	20.42	20.42	22.5	0.0	
100	64QAM	1	1	20.46	20.46	20.46	22.0	0.5	
100	256QAM	1	1	21.02	21.02	20.10	22.5	2.5	
Channel									
Frequency (MHz)									
90	PI2 BPSK	1	1	20.71	20.72	20.70	22.5	0.0	
Channel									
Frequency (MHz)									
80	PI2 BPSK	1	1	20.66	20.70	20.77	22.5	0.0	
Channel									
Frequency (MHz)									
70	PI2 BPSK	1	1	20.62	20.68	20.81	22.5	0.0	
Channel									
Frequency (MHz)									
60	PI2 BPSK	1	1	20.71	20.62	20.77	22.5	0.0	
Channel									
Frequency (MHz)									
50	PI2 BPSK	1	1	20.73	20.69	20.74	22.5	0.0	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	20.67	20.69	20.64	22.5	0.0	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	20.62	20.62	20.61	22.5	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	20.63	20.60	20.76	22.5	0.0	
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1	20.69	20.61	20.83	22.5	0.0	
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1	20.64	20.74	20.76	22.5	0.0	



ENDC Power for 5GNR_Full

n7_Ant 14										
5G (MHz)	Modulation	RB Size	RB Offset	Power Type Ch./Freq.	Power Type Ch./Freq.	Power Type Ch./Freq.	Turn-up Time (min)	MFR (dB)		
Channel										
Frequency (MHz)										
40	PUSCH	1	0	23.00	22.81	23.00				
40	PUSCH	1	100	23.38	23.19	23.38	24.7	0.0		
40	PUSCH	1	200	23.77	23.58	23.77				
40	PUSCH	100	0	23.77	23.58	23.77	24.2	0.0		
40	PUSCH	100	100	24.15	23.96	24.15	24.7	0.0		
40	PUSCH	100	200	24.54	24.35	24.54	24.2	0.0		
40	PUSCH	200	0	24.54	24.35	24.54	24.2	0.0		
40	CPICH	1	100	23.19	23.00	23.19	24.7	0.0		
40	CPICH	1	200	23.58	23.39	23.58	24.2	0.0		
40	CPICH	100	0	23.58	23.39	23.58	24.7	0.0		
40	CPICH	100	100	23.96	23.77	23.96	24.2	0.0		
40	CPICH	100	200	24.35	24.16	24.35	24.7	0.0		
40	ICHMIB	1	1	23.71	23.72	23.72	24.7	1.0		
40	ICHMIB	1	1	23.74	23.74	23.74	24.2	1.0		
40	SSBCH	1	1	23.07	23.04	23.07	24.2	1.0		
Channel										
Frequency (MHz)										
40	PUSCH	1	1	23.00	22.81	23.00	24.7	0.0		
Channel										
Frequency (MHz)										
30	PUSCH	1	1	23.00	22.84	23.00	24.7	0.0		
Channel										
Frequency (MHz)										
40	PUSCH	100	0	23.04	22.84	23.04	24.7	0.0		
Channel										
Frequency (MHz)										
20	PUSCH	1	1	23.04	22.84	23.04	24.7	0.0		
Channel										
Frequency (MHz)										
15	PUSCH	1	1	23.00	22.80	23.00	24.2	0.0		
Channel										
Frequency (MHz)										
10	PUSCH	1	1	23.04	22.84	23.04	24.7	0.0		
Channel										
Frequency (MHz)										
5	PUSCH	1	1	23.02	22.82	23.02	24.2	0.0		

n7_Ant 12										
5G (MHz)	Modulation	RB Size	RB Offset	Power Type Ch./Freq.	Power Type Ch./Freq.	Power Type Ch./Freq.	Turn-up Time (min)	MFR (dB)		
Channel										
Frequency (MHz)										
50	PUSCH	1	1	22.78	22.79	22.78				
50	PUSCH	1	100	23.23	23.13	23.23	24.2	0.0		
50	PUSCH	1	200	23.68	23.58	23.68				
50	PUSCH	100	0	23.50	23.50	23.51	24.7	0.0		
50	PUSCH	100	100	24.00	23.90	24.00	24.2	0.0		
50	PUSCH	100	200	24.50	24.40	24.50	24.7	0.0		
50	PUSCH	200	0	24.50	24.40	24.50	24.2	0.0		
50	CPICH	1	100	23.07	23.07	23.05	24.2	0.0		
50	CPICH	1	200	23.52	23.52	23.50	24.7	0.0		
50	CPICH	100	0	23.50	23.50	23.50	24.2	0.0		
50	CPICH	100	100	23.95	23.95	23.95	24.7	0.0		
50	CPICH	100	200	24.40	24.40	24.40	24.2	0.0		
50	ICHMIB	1	1	23.81	23.87	23.81	24.2	1.0		
50	ICHMIB	1	1	23.82	23.74	23.82	24.7	1.0		
50	SSBCH	1	1	23.00	23.07	23.00	24.7	1.0		
Channel										
Frequency (MHz)										
40	PUSCH	1	1	23.04	22.80	23.07	24.2	0.0		
Channel										
Frequency (MHz)										
30	PUSCH	1	1	23.04	22.87	23.00	24.2	0.0		
Channel										
Frequency (MHz)										
20	PUSCH	1	1	23.04	22.84	23.01	24.2	0.0		
Channel										
Frequency (MHz)										
15	PUSCH	1	1	23.00	22.80	23.00	24.2	0.0		
Channel										
Frequency (MHz)										
10	PUSCH	1	1	23.04	22.80	23.04	24.2	0.0		
Channel										
Frequency (MHz)										
5	PUSCH	1	1	23.02	22.80	23.02	24.2	0.0		

n66_Ant 14										
5G (MHz)	Modulation	RB Size	RB Offset	Power Type Ch./Freq.	Power Type Ch./Freq.	Power Type Ch./Freq.	Turn-up Time (min)	MFR (dB)		
Channel										
Frequency (MHz)										
40	PUSCH	1	0	23.00	22.87	23.00				
40	PUSCH	1	100	23.21	23.00	23.21	23.5	0.0		
40	PUSCH	1	200	23.46	23.24	23.46				
40	PUSCH	100	0	23.07	23.07	23.08	23.0	0.0		
40	PUSCH	100	100	23.27	23.06	23.28	23.5	0.0		
40	PUSCH	100	200	23.47	23.25	23.47	23.0	0.0		
40	PUSCH	200	0	23.47	23.25	23.48	23.5	0.0		
40	CPICH	1	100	23.04	23.00	23.00	23.5	0.0		
40	CPICH	1	200	23.33	23.30	23.30	24.0	0.0		
40	CPICH	100	0	23.30	23.22	23.30	23.5	0.0		
40	CPICH	100	100	23.61	23.58	23.61	23.5	0.0		
40	CPICH	100	200	23.97	23.98	23.99	23.5	0.0		
40	CPICH	200	0	23.93	23.93	23.93	23.5	0.0		
40	ICHMIB	1	1	23.46	23.43	23.43	23.5	1.0		
40	ICHMIB	1	1	23.47	23.46	23.47	24.0	1.0		
40	SSBCH	1	1	23.00	23.00	23.01	23.0	1.0		
Channel										
Frequency (MHz)										
30	PUSCH	1	1	23.00	22.80	23.00	23.5	0.0		
Channel										
Frequency (MHz)										
20	PUSCH	1	1	23.02	22.80	23.00	23.5	0.0		
Channel										
Frequency (MHz)										
15	PUSCH	1	1	23.00	22.80	23.00	23.5	0.0		
Channel										
Frequency (MHz)										
10	PUSCH	1	1	23.04	22.80	23.04	23.5	0.0		
Channel										
Frequency (MHz)										
5	PUSCH	1	1	23.02	22.80	23.02	23.5	0.0		

n66_Ant 12										
5G (MHz)	Modulation	RB Size	RB Offset	Power Type Ch./Freq.	Power Type Ch./Freq.	Power Type Ch./Freq.	Turn-up Time (min)	MFR (dB)		
Channel										
Frequency (MHz)										
40	PUSCH	1	1	23.00	22.74	23.00				
40	PUSCH	1	100	23.23	23.00	23.23	23.5	0.0		
40	PUSCH	1	200	23.46	23.24	23.46				
40	PUSCH	100	0	23.08	23.08	23.08	23.0	0.0		
40	PUSCH	100	100	23.28	23.06	23.29	23.5	0.0		
40	PUSCH	100	200	23.48	23.25	23.48	23.0	0.0		
40	PUSCH	200	0	23.48	23.25	23.49	23.5	0.0		
40	CPICH	1	100	23.00	23.00	23.00	23.5	0.0		
40	CPICH	1	200	23.32	23.31	23.32	24.0	0.0		
40	CPICH	100	0	23.31	23.22	23.31	23.5	0.0		
40	CPICH	100	100	23.60	23.57	23.60	23.5	0.0		
40	CPICH	100	200	23.94	23.91	23.94	23.5	0.0		
40	CPICH	200	0	23.93	23.93	23.93	23.5	0.0		
40	ICHMIB	1	1	23.46	23.44	23.44	23.5	1.0		
40	ICHMIB	1	1	23.47	23.46	23.47	24.0	1.0		
40	SSBCH	1	1	23.00	23.00	23.01	23.0	1.0		
Channel										
Frequency (MHz)										
30	PUSCH	1	1	23.00	22.74	23.00	23.5	0.0		
Channel										
Frequency (MHz)										
20	PUSCH	1	1	23.02	22.74	23.00	23.5	0.0		
Channel										
Frequency (MHz)										
15	PUSCH	1	1	23.00	22.74	23.00	23.5	0.0		
Channel										
Frequency (MHz)										
10	PUSCH	1	1	23.04	22.74	23.04	23.5	0.0		
Channel										
Frequency (MHz)										
5	PUSCH	1	1	23.02	22.74	23.02	23.5	0.0		



Part27Q n78_Ant 13										
BW (MHz)	Multiplex	RS Size	RS Other	Power Ch. / Freq.	Power Alloc. Ch. / Freq.	Power Typ. Ch. / Freq.	Power Typ. Ch. / Freq.	Turn-up time (min)	MFR (dB)	
Channel										
Frequency (MHz)										
100	P12-BPSK	1	1		2287					
100	P12-BPSK	1	1	107	2292			245	0.0	
100	P12-BPSK	1	2/1		2298					
100	P12-BPSK	100	0		2302			240	0.5	
100	P12-BPSK	100	0/0		2307			240	0.5	
100	P12-BPSK	250	0		2317			240	0.5	
100	QPSK	1	1		2323					
100	QPSK	1	1/2		2327			245	0.0	
100	QPSK	1	2/1		2332					
100	QPSK	100	0		2335			245	0.0	
100	QPSK	100	0/0		2340			245	0.0	
100	QPSK	250	0		2345			245	0.0	
100	QPSK	1	1		2350			225	1.0	
100	QPSK	1	1		2355			220	2.0	
100	QPSK	1	1		2360			220	2.0	
Channel										
Frequency (MHz)										
90	P12-BPSK	1	1		2282			245	0.0	
90	P12-BPSK	1	1	107	2287			245	0.0	
Channel										
Frequency (MHz)										
80	P12-BPSK	1	1		2277			240	0.0	
80	P12-BPSK	1	1	107	2282			240	0.0	
Channel										
Frequency (MHz)										
70	P12-BPSK	1	1		2272			240	0.0	
70	P12-BPSK	1	1	107	2277			240	0.0	
Channel										
Frequency (MHz)										
60	P12-BPSK	1	1		2267			240	0.0	
60	P12-BPSK	1	1	107	2272			240	0.0	
Channel										
Frequency (MHz)										
50	P12-BPSK	1	1		2262			240	0.0	
50	P12-BPSK	1	1	107	2267			240	0.0	
Channel										
Frequency (MHz)										
40	P12-BPSK	1	1		2257			240	0.0	
40	P12-BPSK	1	1	107	2262			240	0.0	
Channel										
Frequency (MHz)										
30	P12-BPSK	1	1		2252			240	0.0	
30	P12-BPSK	1	1	107	2257			240	0.0	
Channel										
Frequency (MHz)										
20	P12-BPSK	1	1		2247			240	0.0	
20	P12-BPSK	1	1	107	2252			240	0.0	
Channel										
Frequency (MHz)										
10	P12-BPSK	1	1		2242			240	0.0	
10	P12-BPSK	1	1	107	2247			240	0.0	
Channel										
Frequency (MHz)										
0	P12-BPSK	1	1		2237			240	0.0	
0	P12-BPSK	1	1	107	2242			240	0.0	

Part27O n78_Ant 13										
BW (MHz)	Multiplex	RS Size	RS Other	Power Ch. / Freq.	Power Alloc. Ch. / Freq.	Power Typ. Ch. / Freq.	Power Typ. Ch. / Freq.	Turn-up time (min)	MFR (dB)	
Channel										
Frequency (MHz)										
100	P12-BPSK	1	1		2292					
100	P12-BPSK	1	1	107	2297			245	0.0	
100	P12-BPSK	1	2/1		2302					
100	P12-BPSK	100	0		2307			240	0.5	
100	P12-BPSK	100	0/0		2312			240	0.5	
100	P12-BPSK	250	0		2322			240	0.5	
100	QPSK	1	1		2328					
100	QPSK	1	1/2		2332			245	0.0	
100	QPSK	1	2/1		2337					
100	QPSK	100	0		2340			245	0.0	
100	QPSK	100	0/0		2345			245	0.0	
100	QPSK	250	0		2350			245	0.0	
100	QPSK	1	1		2355			225	1.0	
100	QPSK	1	1		2360			220	2.0	
100	QPSK	1	1		2365			220	2.0	
Channel										
Frequency (MHz)										
90	P12-BPSK	1	1		2287			245	0.0	
90	P12-BPSK	1	1	107	2292			245	0.0	
Channel										
Frequency (MHz)										
80	P12-BPSK	1	1		2282			240	0.0	
80	P12-BPSK	1	1	107	2287			240	0.0	
Channel										
Frequency (MHz)										
70	P12-BPSK	1	1		2277			240	0.0	
70	P12-BPSK	1	1	107	2282			240	0.0	
Channel										
Frequency (MHz)										
60	P12-BPSK	1	1		2272			240	0.0	
60	P12-BPSK	1	1	107	2277			240	0.0	
Channel										
Frequency (MHz)										
50	P12-BPSK	1	1		2267			240	0.0	
50	P12-BPSK	1	1	107	2272			240	0.0	
Channel										
Frequency (MHz)										
40	P12-BPSK	1	1		2262			240	0.0	
40	P12-BPSK	1	1	107	2267			240	0.0	
Channel										
Frequency (MHz)										
30	P12-BPSK	1	1		2257			240	0.0	
30	P12-BPSK	1	1	107	2262			240	0.0	
Channel										
Frequency (MHz)										
20	P12-BPSK	1	1		2252			240	0.0	
20	P12-BPSK	1	1	107	2257			240	0.0	
Channel										
Frequency (MHz)										
10	P12-BPSK	1	1		2247			240	0.0	
10	P12-BPSK	1	1	107	2252			240	0.0	
Channel										
Frequency (MHz)										
0	P12-BPSK	1	1		2242			240	0.0	
0	P12-BPSK	1	1	107	2247			240	0.0	

Part27Q n78_Ant 23										
BW (MHz)	Multiplex	RS Size	RS Other	Power Ch. / Freq.	Power Alloc. Ch. / Freq.	Power Typ. Ch. / Freq.	Power Typ. Ch. / Freq.	Turn-up time (min)	MFR (dB)	
Channel										
Frequency (MHz)										
100	P12-BPSK	1	1		2297					
100	P12-BPSK	1	1/2		2302			220	0.0	
100	P12-BPSK	1	2/1		2307					
100	P12-BPSK	100	0		2312			224	0.5	
100	P12-BPSK	100	0/0		2317			220	0.0	
100	P12-BPSK	250	0		2327			224	0.5	
100	QPSK	1	1		2333					
100	QPSK	1	1/2		2337			220	0.0	
100	QPSK	1	2/1		2342					
100	QPSK	100	0		2345			220	0.0	
100	QPSK	100	0/0		2350			220	0.0	
100	QPSK	250	0		2355			220	0.0	
100	QPSK	1	1		2360			210	1.0	
100	QPSK	1	1		2365			210	1.0	
100	QPSK	1	1		2370			200	2.0	
100	QPSK	1	1		2375			200	2.0	
Channel										
Frequency (MHz)										
90	P12-BPSK	1	1		2292			224	0.0	
90	P12-BPSK	1	1	107	2297			224	0.0	
Channel										
Frequency (MHz)										
80	P12-BPSK	1	1		2287			220	0.0	
80	P12-BPSK	1	1	107	2292			220	0.0	
Channel										
Frequency (MHz)										
70	P12-BPSK	1	1		2282			220	0.0	
70	P12-BPSK	1	1	107	2287			220	0.0	
Channel										
Frequency (MHz)										
60	P12-BPSK	1	1		2277			220	0.0	
60	P12-BPSK	1	1	107	2282			220	0.0	
Channel										
Frequency (MHz)										
50	P12-BPSK	1	1		2272			220	0.0	
50	P12-BPSK	1	1	107	2277			220	0.0	
Channel										
Frequency (MHz)										
40	P12-BPSK	1	1		2267			220	0.0	
40	P12-BPSK	1	1	107	2272			220	0.0	
Channel										
Frequency (MHz)										
30	P12-BPSK	1	1		2262			220	0.0	
30	P12-BPSK	1	1	107	2267			220	0.0	
Channel										
Frequency (MHz)										
20	P12-BPSK	1	1		2257			220	0.0	
20	P12-BPSK	1	1	107	2262			220	0.0	
Channel										
Frequency (MHz)										
10	P12-BPSK	1	1		2252			220	0.0	
10	P12-BPSK	1	1	107	2257			220	0.0	
Channel										
Frequency (MHz)										
0	P12-BPSK	1	1		2247			220	0.0	
0	P12-BPSK	1	1	107	2252			220	0.0	

Part27O n78_Ant 23										
BW (MHz)	Multiplex	RS Size	RS Other	Power Ch. / Freq.	Power Alloc. Ch. / Freq.	Power Typ. Ch. / Freq.	Power Typ. Ch. / Freq.	Turn-up time (min)	MFR (dB)	
Channel										
Frequency (MHz)										
100	P12-BPSK	1	1		2302					
100	P12-BPSK	1	1/2		2307			220	0.0	
100	P12-BPSK	1	2/1		2312					
100	P12-BPSK	100	0		2317			224	0.5	
100	P12-BPSK	100	0/0		2322			220	0.5	
100	P12-BPSK	250	0		2332			224	0.5	
100	QPSK	1	1		2338					
100	QPSK	1	1/2		2342			220	0.0	
100	QPSK	1	2/1		2347					
100	QPSK	100	0		2350			220	0.0	
100	QPSK	100	0/0		2355			220	0.0	
100	QPSK	250	0		2360			220	0.0	
100	QPSK	1	1		2365			210	1.0	
100	QPSK	1	1		2370			210	1.0	
100	QPSK	1	1		2375			200	2.0	
100	QPSK	1	1		2380			200	2.0	
Channel										
Frequency (MHz)										
90	P12-BPSK	1	1		2297			220	0.0	
90	P12-BPSK	1	1	107	2302			220	0.0	
Channel										
Frequency (MHz)										
80	P12-BPSK	1	1		2292			220	0.0	
80	P12-BPSK	1	1	107	2297			220	0.0	
Channel										
Frequency (MHz)										
70	P12-BPSK	1	1		2287			220	0.0	
70	P12-BPSK	1	1	107	2292			220	0.0	
Channel										
Frequency (MHz)										
60	P12-BPSK	1	1		2282			220	0.0	
60	P12-BPSK	1	1	107	2287			220	0.0	
Channel										
Frequency (MHz)										
50	P12-BPSK	1	1		2277			220	0.0	
50	P12-BPSK	1	1	107	2282			220	0.0	
Channel										
Frequency (MHz)										
40	P12-BPSK	1	1		2272			220	0.0	
40	P12-BPSK	1	1	107	2277			220	0.0	
Channel										
Frequency (MHz)										
30	P12-BPSK	1	1		2267			220	0.0	
30	P12-BPSK									



Part27Q n78_Ant 24									
BW (MHz)	Modulation	FE Size	FE Chof	Power Type Ch. 1 (W)	Power Type Ch. 2 (W)	Power Type Ch. 3 (W)	Time-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	20.17					
100	PI2 BPSK	1	107	20.19				22.2	0.0
100	PI2 BPSK	1	211	20.18					
100	PI2 BPSK	1	315	20.15				21.7	0.0
100	PI2 BPSK	1	419	20.22				22.2	0.0
100	PI2 BPSK	1	523	20.20				21.7	0.0
100	PI2 BPSK	1	627	20.17				22.2	0.0
100	PI2 BPSK	1	731	20.19				21.7	0.0
100	PI2 BPSK	1	835	20.15				22.2	0.0
100	PI2 BPSK	1	939	20.22				21.7	0.0
100	PI2 BPSK	1	1043	20.18				22.2	0.0
100	PI2 BPSK	1	1147	20.20				21.7	0.0
100	PI2 BPSK	1	1251	20.17				22.2	0.0
100	PI2 BPSK	1	1355	20.19				21.7	0.0
100	PI2 BPSK	1	1459	20.15				22.2	0.0
100	PI2 BPSK	1	1563	20.22				21.7	0.0
100	PI2 BPSK	1	1667	20.18				22.2	0.0
100	PI2 BPSK	1	1771	20.20				21.7	0.0
100	PI2 BPSK	1	1875	20.17				22.2	0.0
100	PI2 BPSK	1	1979	20.19				21.7	0.0
100	PI2 BPSK	1	2083	20.15				22.2	0.0
100	PI2 BPSK	1	2187	20.22				21.7	0.0
100	PI2 BPSK	1	2291	20.18				22.2	0.0
100	PI2 BPSK	1	2395	20.20				21.7	0.0
100	PI2 BPSK	1	2499	20.17				22.2	0.0
100	PI2 BPSK	1	2603	20.19				21.7	0.0
100	PI2 BPSK	1	2707	20.15				22.2	0.0
100	PI2 BPSK	1	2811	20.22				21.7	0.0
100	PI2 BPSK	1	2915	20.18				22.2	0.0
100	PI2 BPSK	1	3019	20.20				21.7	0.0
100	PI2 BPSK	1	3123	20.17				22.2	0.0
100	PI2 BPSK	1	3227	20.19				21.7	0.0
100	PI2 BPSK	1	3331	20.15				22.2	0.0
100	PI2 BPSK	1	3435	20.22				21.7	0.0
100	PI2 BPSK	1	3539	20.18				22.2	0.0
100	PI2 BPSK	1	3643	20.20				21.7	0.0
100	PI2 BPSK	1	3747	20.17				22.2	0.0
100	PI2 BPSK	1	3851	20.19				21.7	0.0
100	PI2 BPSK	1	3955	20.15				22.2	0.0
100	PI2 BPSK	1	4059	20.22				21.7	0.0
100	PI2 BPSK	1	4163	20.18				22.2	0.0
100	PI2 BPSK	1	4267	20.20				21.7	0.0
100	PI2 BPSK	1	4371	20.17				22.2	0.0
100	PI2 BPSK	1	4475	20.19				21.7	0.0
100	PI2 BPSK	1	4579	20.15				22.2	0.0
100	PI2 BPSK	1	4683	20.22				21.7	0.0
100	PI2 BPSK	1	4787	20.18				22.2	0.0
100	PI2 BPSK	1	4891	20.20				21.7	0.0
100	PI2 BPSK	1	4995	20.17				22.2	0.0
100	PI2 BPSK	1	5099	20.19				21.7	0.0
100	PI2 BPSK	1	5203	20.15				22.2	0.0
100	PI2 BPSK	1	5307	20.22				21.7	0.0
100	PI2 BPSK	1	5411	20.18				22.2	0.0
100	PI2 BPSK	1	5515	20.20				21.7	0.0
100	PI2 BPSK	1	5619	20.17				22.2	0.0
100	PI2 BPSK	1	5723	20.19				21.7	0.0
100	PI2 BPSK	1	5827	20.15				22.2	0.0
100	PI2 BPSK	1	5931	20.22				21.7	0.0
100	PI2 BPSK	1	6035	20.18				22.2	0.0
100	PI2 BPSK	1	6139	20.20				21.7	0.0
100	PI2 BPSK	1	6243	20.17				22.2	0.0
100	PI2 BPSK	1	6347	20.19				21.7	0.0
100	PI2 BPSK	1	6451	20.15				22.2	0.0
100	PI2 BPSK	1	6555	20.22				21.7	0.0
100	PI2 BPSK	1	6659	20.18				22.2	0.0
100	PI2 BPSK	1	6763	20.20				21.7	0.0
100	PI2 BPSK	1	6867	20.17				22.2	0.0
100	PI2 BPSK	1	6971	20.19				21.7	0.0
100	PI2 BPSK	1	7075	20.15				22.2	0.0
100	PI2 BPSK	1	7179	20.22				21.7	0.0
100	PI2 BPSK	1	7283	20.18				22.2	0.0
100	PI2 BPSK	1	7387	20.20				21.7	0.0
100	PI2 BPSK	1	7491	20.17				22.2	0.0
100	PI2 BPSK	1	7595	20.19				21.7	0.0
100	PI2 BPSK	1	7699	20.15				22.2	0.0
100	PI2 BPSK	1	7803	20.22				21.7	0.0
100	PI2 BPSK	1	7907	20.18				22.2	0.0
100	PI2 BPSK	1	8011	20.20				21.7	0.0
100	PI2 BPSK	1	8115	20.17				22.2	0.0
100	PI2 BPSK	1	8219	20.19				21.7	0.0
100	PI2 BPSK	1	8323	20.15				22.2	0.0
100	PI2 BPSK	1	8427	20.22				21.7	0.0
100	PI2 BPSK	1	8531	20.18				22.2	0.0
100	PI2 BPSK	1	8635	20.20				21.7	0.0
100	PI2 BPSK	1	8739	20.17				22.2	0.0
100	PI2 BPSK	1	8843	20.19				21.7	0.0
100	PI2 BPSK	1	8947	20.15				22.2	0.0
100	PI2 BPSK	1	9051	20.22				21.7	0.0
100	PI2 BPSK	1	9155	20.18				22.2	0.0
100	PI2 BPSK	1	9259	20.20				21.7	0.0
100	PI2 BPSK	1	9363	20.17				22.2	0.0
100	PI2 BPSK	1	9467	20.19				21.7	0.0
100	PI2 BPSK	1	9571	20.15				22.2	0.0
100	PI2 BPSK	1	9675	20.22				21.7	0.0
100	PI2 BPSK	1	9779	20.18				22.2	0.0
100	PI2 BPSK	1	9883	20.20				21.7	0.0
100	PI2 BPSK	1	9987	20.17				22.2	0.0
100	PI2 BPSK	1	10091	20.19				21.7	0.0
100	PI2 BPSK	1	10195	20.15				22.2	0.0
100	PI2 BPSK	1	10299	20.22				21.7	0.0
100	PI2 BPSK	1	10403	20.18				22.2	0.0
100	PI2 BPSK	1	10507	20.20				21.7	0.0
100	PI2 BPSK	1	10611	20.17				22.2	0.0
100	PI2 BPSK	1	10715	20.19				21.7	0.0
100	PI2 BPSK	1	10819	20.15				22.2	0.0
100	PI2 BPSK	1	10923	20.22				21.7	0.0
100	PI2 BPSK	1	11027	20.18				22.2	0.0
100	PI2 BPSK	1	11131	20.20				21.7	0.0
100	PI2 BPSK	1	11235	20.17				22.2	0.0
100	PI2 BPSK	1	11339	20.19				21.7	0.0
100	PI2 BPSK	1	11443	20.15				22.2	0.0
100	PI2 BPSK	1	11547	20.22				21.7	0.0
100	PI2 BPSK	1	11651	20.18				22.2	0.0
100	PI2 BPSK	1	11755	20.20				21.7	0.0
100	PI2 BPSK	1	11859	20.17				22.2	0.0
100	PI2 BPSK	1	11963	20.19				21.7	0.0
100	PI2 BPSK	1	12067	20.15				22.2	0.0
100	PI2 BPSK	1	12171	20.22				21.7	0.0
100	PI2 BPSK	1	12275	20.18				22.2	0.0
100	PI2 BPSK	1	12379	20.20				21.7	0.0
100	PI2 BPSK	1	12483	20.17				22.2	0.0
100	PI2 BPSK	1	12587	20.19				21.7	0.0
100	PI2 BPSK	1	12691	20.15				22.2	0.0
100	PI2 BPSK	1	12795	20.22				21.7	0.0
100	PI2 BPSK	1	12899	20.18				22.2	0.0
100	PI2 BPSK	1	13003	20.20				21.7	0.0
100	PI2 BPSK	1	13107	20.17				22.2	0.0
100	PI2 BPSK	1	13211	20.19				21.7	0.0
100	PI2 BPSK	1	13315	20.15				22.2	0.0
100	PI2 BPSK	1	13419	20.22				21.7	0.0
100	PI2 BPSK	1	13523	20.18				22.2	0.0
100	PI2 BPSK	1	13627	20.20				21.7	0.0
100	PI2 BPSK	1	13731	20.17				22.2	0.0
100	PI2 BPSK	1	13835	20.19				21.7	0.0
100	PI2 BPSK	1	13939	20.15				22.2	0.0
100	PI2 BPSK	1	14043	20.22				21.7	0.0
100	PI2 BPSK	1	14147	20.18				22.2	0.0
100	PI2 BPSK	1	14251	20.20				21.7	0.0
100	PI2 BPSK	1	14355	20.17				22.2	0.0
100	PI2 BPSK	1	14459	20.19				21.7	0.0
100	PI2 BPSK	1	14563	20.15				22.2	0.0
100	PI2 BPSK	1	14667	20.22				21.7	0.0
100	PI2 BPSK	1	14771	20.18				22.2	0.0
100	PI2 BPSK	1	14875	20.20				21.7	0.0
100	PI2 BPSK	1	14979	20.17				22.2	0.0
100	PI2 BPSK	1	15083	20.19				21.7	0.0
100	PI2 BPSK	1	15187	20.15				22.2	0.0
100	PI2 BPSK	1	15291	20.22				21.7	0.0
100	PI2 BPSK	1	15395	20.18				22.2	0.0
100	PI2 BPSK	1	15499	20.20				21.7	0.0
100	PI2 BPSK	1	15603	20.17				22.2	0.0
100	PI2 BPSK	1	15707	20.19				21.7	0.0
100	PI2 BPSK	1	15811	20.15				22.2	0.0
100	PI2 BPSK	1	15915	20.22				21.7	0.0
100	PI2 BPSK	1	16019	20.18				22.2	0.0
100	PI2 BPSK	1	16123	20.20				21.7	0.0
100	PI2 BPSK	1	16227	20.17				22.2	0.0



Part27Q n78_Ant 13									
BW (MHz)	Multicast	RS Size	RS Other	Power Type Ch. / Freq.	Power Type Ch. / Freq.	Power Type Ch. / Freq.	Turn-up time (min)	MPE (dB)	
Channel									
Frequency (MHz)									
100	P12-BPSK	1	1	15.87	15.87				
100	P12-BPSK	1	1	15.93	15.93		16.5	0.0	
100	P12-BPSK	1	2/1	16.00	16.00				
100	P12-BPSK	1	0	16.07	16.07		16.5	0.0	
100	P12-BPSK	1	0	16.13	16.13		16.5	0.0	
100	P12-BPSK	1	0	16.20	16.20		16.5	0.0	
100	P12-BPSK	1	0	16.26	16.26		16.5	0.0	
100	P12-BPSK	1	0	16.33	16.33		16.5	0.0	
100	QPSK	1	1	16.40	16.40				
100	QPSK	1	1/2	16.47	16.47		16.5	0.0	
100	QPSK	1	2/1	16.53	16.53				
100	QPSK	1	0	16.60	16.60		16.5	0.0	
100	QPSK	1	0	16.67	16.67		16.5	0.0	
100	QPSK	1	0	16.73	16.73		16.5	0.0	
100	QPSK	1	0	16.80	16.80		16.5	0.0	
100	QPSK	1	0	16.87	16.87		16.5	0.0	
100	QPSK	1	0	16.93	16.93		16.5	0.0	
100	QPSK	1	0	17.00	17.00		16.5	0.0	
100	QPSK	1	0	17.07	17.07		16.5	0.0	
100	QPSK	1	0	17.13	17.13		16.5	0.0	
100	QPSK	1	0	17.20	17.20		16.5	0.0	
100	QPSK	1	0	17.26	17.26		16.5	0.0	
100	QPSK	1	0	17.33	17.33		16.5	0.0	
100	QPSK	1	0	17.40	17.40		16.5	0.0	
100	QPSK	1	0	17.46	17.46		16.5	0.0	
100	QPSK	1	0	17.53	17.53		16.5	0.0	
100	QPSK	1	0	17.60	17.60		16.5	0.0	
100	QPSK	1	0	17.66	17.66		16.5	0.0	
100	QPSK	1	0	17.73	17.73		16.5	0.0	
100	QPSK	1	0	17.80	17.80		16.5	0.0	
100	QPSK	1	0	17.86	17.86		16.5	0.0	
100	QPSK	1	0	17.93	17.93		16.5	0.0	
100	QPSK	1	0	18.00	18.00		16.5	0.0	
100	QPSK	1	0	18.06	18.06		16.5	0.0	
100	QPSK	1	0	18.13	18.13		16.5	0.0	
100	QPSK	1	0	18.20	18.20		16.5	0.0	
100	QPSK	1	0	18.26	18.26		16.5	0.0	
100	QPSK	1	0	18.33	18.33		16.5	0.0	
100	QPSK	1	0	18.40	18.40		16.5	0.0	
100	QPSK	1	0	18.46	18.46		16.5	0.0	
100	QPSK	1	0	18.53	18.53		16.5	0.0	
100	QPSK	1	0	18.60	18.60		16.5	0.0	
100	QPSK	1	0	18.66	18.66		16.5	0.0	
100	QPSK	1	0	18.73	18.73		16.5	0.0	
100	QPSK	1	0	18.80	18.80		16.5	0.0	
100	QPSK	1	0	18.86	18.86		16.5	0.0	
100	QPSK	1	0	18.93	18.93		16.5	0.0	
100	QPSK	1	0	19.00	19.00		16.5	0.0	
100	QPSK	1	0	19.06	19.06		16.5	0.0	
100	QPSK	1	0	19.13	19.13		16.5	0.0	
100	QPSK	1	0	19.20	19.20		16.5	0.0	
100	QPSK	1	0	19.26	19.26		16.5	0.0	
100	QPSK	1	0	19.33	19.33		16.5	0.0	
100	QPSK	1	0	19.40	19.40		16.5	0.0	
100	QPSK	1	0	19.46	19.46		16.5	0.0	
100	QPSK	1	0	19.53	19.53		16.5	0.0	
100	QPSK	1	0	19.60	19.60		16.5	0.0	
100	QPSK	1	0	19.66	19.66		16.5	0.0	
100	QPSK	1	0	19.73	19.73		16.5	0.0	
100	QPSK	1	0	19.80	19.80		16.5	0.0	
100	QPSK	1	0	19.86	19.86		16.5	0.0	
100	QPSK	1	0	19.93	19.93		16.5	0.0	
100	QPSK	1	0	20.00	20.00		16.5	0.0	
100	QPSK	1	0	20.06	20.06		16.5	0.0	
100	QPSK	1	0	20.13	20.13		16.5	0.0	
100	QPSK	1	0	20.20	20.20		16.5	0.0	
100	QPSK	1	0	20.26	20.26		16.5	0.0	
100	QPSK	1	0	20.33	20.33		16.5	0.0	
100	QPSK	1	0	20.40	20.40		16.5	0.0	
100	QPSK	1	0	20.46	20.46		16.5	0.0	
100	QPSK	1	0	20.53	20.53		16.5	0.0	
100	QPSK	1	0	20.60	20.60		16.5	0.0	
100	QPSK	1	0	20.66	20.66		16.5	0.0	
100	QPSK	1	0	20.73	20.73		16.5	0.0	
100	QPSK	1	0	20.80	20.80		16.5	0.0	
100	QPSK	1	0	20.86	20.86		16.5	0.0	
100	QPSK	1	0	20.93	20.93		16.5	0.0	
100	QPSK	1	0	21.00	21.00		16.5	0.0	
100	QPSK	1	0	21.06	21.06		16.5	0.0	
100	QPSK	1	0	21.13	21.13		16.5	0.0	
100	QPSK	1	0	21.20	21.20		16.5	0.0	
100	QPSK	1	0	21.26	21.26		16.5	0.0	
100	QPSK	1	0	21.33	21.33		16.5	0.0	
100	QPSK	1	0	21.40	21.40		16.5	0.0	
100	QPSK	1	0	21.46	21.46		16.5	0.0	
100	QPSK	1	0	21.53	21.53		16.5	0.0	
100	QPSK	1	0	21.60	21.60		16.5	0.0	
100	QPSK	1	0	21.66	21.66		16.5	0.0	
100	QPSK	1	0	21.73	21.73		16.5	0.0	
100	QPSK	1	0	21.80	21.80		16.5	0.0	
100	QPSK	1	0	21.86	21.86		16.5	0.0	
100	QPSK	1	0	21.93	21.93		16.5	0.0	
100	QPSK	1	0	22.00	22.00		16.5	0.0	
100	QPSK	1	0	22.06	22.06		16.5	0.0	
100	QPSK	1	0	22.13	22.13		16.5	0.0	
100	QPSK	1	0	22.20	22.20		16.5	0.0	
100	QPSK	1	0	22.26	22.26		16.5	0.0	
100	QPSK	1	0	22.33	22.33		16.5	0.0	
100	QPSK	1	0	22.40	22.40		16.5	0.0	
100	QPSK	1	0	22.46	22.46		16.5	0.0	
100	QPSK	1	0	22.53	22.53		16.5	0.0	
100	QPSK	1	0	22.60	22.60		16.5	0.0	
100	QPSK	1	0	22.66	22.66		16.5	0.0	
100	QPSK	1	0	22.73	22.73		16.5	0.0	
100	QPSK	1	0	22.80	22.80		16.5	0.0	
100	QPSK	1	0	22.86	22.86		16.5	0.0	
100	QPSK	1	0	22.93	22.93		16.5	0.0	
100	QPSK	1	0	23.00	23.00		16.5	0.0	
100	QPSK	1	0	23.06	23.06		16.5	0.0	
100	QPSK	1	0	23.13	23.13		16.5	0.0	
100	QPSK	1	0	23.20	23.20		16.5	0.0	
100	QPSK	1	0	23.26	23.26		16.5	0.0	
100	QPSK	1	0	23.33	23.33		16.5	0.0	
100	QPSK	1	0	23.40	23.40		16.5	0.0	
100	QPSK	1	0	23.46	23.46		16.5	0.0	
100	QPSK	1	0	23.53	23.53		16.5	0.0	
100	QPSK	1	0	23.60	23.60		16.5	0.0	
100	QPSK	1	0	23.66	23.66		16.5	0.0	
100	QPSK	1	0	23.73	23.73		16.5	0.0	
100	QPSK	1	0	23.80	23.80		16.5	0.0	
100	QPSK	1	0	23.86	23.86		16.5	0.0	
100	QPSK	1	0	23.93	23.93		16.5	0.0	
100	QPSK	1	0	24.00	24.00		16.5	0.0	
100	QPSK	1	0	24.06	24.06		16.5	0.0	
100	QPSK	1	0	24.13	24.13		16.5	0.0	
100	QPSK	1	0	24.20	24.20		16.5	0.0	
100	QPSK	1	0	24.26	24.26		16.5	0.0	
100	QPSK	1	0	24.33	24.33		16.5	0.0	
100	QPSK	1	0	24.40	24.40		16.5	0.0	
100	QPSK	1	0	24.46	24.46		16.5	0.0	
100	QPSK	1	0	24.53	24.53		16.5	0.0	
100	QPSK	1	0	24.60	24.60		16.5	0.0	
100	QPSK	1	0	24.66	24.66		16.5	0.0	
100	QPSK	1	0	24.73	24.73		16.5	0.0	
100	QPSK	1	0	24.80	24.80		16.5	0.0	
100	QPSK	1	0	24.86	24.86		16.5	0.0	
100	QPSK	1	0	24.93	24.93		16.5	0.0	
100	QPSK	1	0	25.00	25.00		16.5	0.0	
100	QPSK	1	0	25.06	25.06		16.5	0.0	
100	QPSK	1	0	25.13	25.13		16.5	0.0	
100	QPSK	1	0	25.20	25.20		16.5	0.0	
100	QPSK	1	0	25.26	25.26		16.5	0.0	
100	QPSK	1	0	25.33	25.33		16.5	0.0	
100	QPSK	1	0	25.40	25.40		16.5	0.0	
100	QPSK	1	0	25.46	25.46		16.5	0.0	
100	QPSK	1	0	25.53	25.53		16.5	0.0	
100	QPSK	1	0	25.60	25.60		16.5	0.0	
100	QPSK	1	0	25.66	25.66		16.5	0.0	
100	QPSK	1	0	25.73	25.73		16.5	0.0	
100	QPSK	1	0	25.80	25.80		16.5	0.0	
100	QPSK	1	0	25.86	25.86		16.5	0.0	
100	QPSK	1	0	25.93	25.93		16.5	0.0	
100	QPSK	1	0	26.00	26.00		16.5	0.0	
100	QPSK	1	0	26.06	26.06		16.5	0.0	
100	QPSK	1	0	26.13	26.13		16.5	0.0	
100	QPSK	1	0	26.20	26.20	</			



Part27Q n78_Ant 24									
BW (MHz)	Modulation	FE Size	FE Chnl	Power (W)	Power (W) Chl 1 (Peak)	Power (W) Chl 2 (Peak)	Power (W) Chl 3 (Peak)	Time-up (min)	MFR (dB)
Channel									
Frequency (MHz)									
100	PI2-BPSK	1	1	18.10	18.10			20.0	0.0
100	PI2-BPSK	1	1	18.12	18.12			20.0	0.0
100	PI2-BPSK	1	211	17.84	17.84			20.0	0.0
100	PI2-BPSK	1	212	17.86	17.86			20.0	0.0
100	PI2-BPSK	1	213	17.88	17.88			20.0	0.0
100	PI2-BPSK	1	214	17.90	17.90			20.0	0.0
100	PI2-BPSK	1	215	17.92	17.92			20.0	0.0
100	PI2-BPSK	1	216	17.94	17.94			20.0	0.0
100	PI2-BPSK	1	217	17.96	17.96			20.0	0.0
100	PI2-BPSK	1	218	17.98	17.98			20.0	0.0
100	PI2-BPSK	1	219	18.00	18.00			20.0	0.0
100	PI2-BPSK	1	220	18.02	18.02			20.0	0.0
100	PI2-BPSK	1	221	18.04	18.04			20.0	0.0
100	PI2-BPSK	1	222	18.06	18.06			20.0	0.0
100	PI2-BPSK	1	223	18.08	18.08			20.0	0.0
100	PI2-BPSK	1	224	18.10	18.10			20.0	0.0
100	PI2-BPSK	1	225	18.12	18.12			20.0	0.0
100	PI2-BPSK	1	226	18.14	18.14			20.0	0.0
100	PI2-BPSK	1	227	18.16	18.16			20.0	0.0
100	PI2-BPSK	1	228	18.18	18.18			20.0	0.0
100	PI2-BPSK	1	229	18.20	18.20			20.0	0.0
100	PI2-BPSK	1	230	18.22	18.22			20.0	0.0
100	PI2-BPSK	1	231	18.24	18.24			20.0	0.0
100	PI2-BPSK	1	232	18.26	18.26			20.0	0.0
100	PI2-BPSK	1	233	18.28	18.28			20.0	0.0
100	PI2-BPSK	1	234	18.30	18.30			20.0	0.0
100	PI2-BPSK	1	235	18.32	18.32			20.0	0.0
100	PI2-BPSK	1	236	18.34	18.34			20.0	0.0
100	PI2-BPSK	1	237	18.36	18.36			20.0	0.0
100	PI2-BPSK	1	238	18.38	18.38			20.0	0.0
100	PI2-BPSK	1	239	18.40	18.40			20.0	0.0
100	PI2-BPSK	1	240	18.42	18.42			20.0	0.0
100	PI2-BPSK	1	241	18.44	18.44			20.0	0.0
100	PI2-BPSK	1	242	18.46	18.46			20.0	0.0
100	PI2-BPSK	1	243	18.48	18.48			20.0	0.0
100	PI2-BPSK	1	244	18.50	18.50			20.0	0.0
100	PI2-BPSK	1	245	18.52	18.52			20.0	0.0
100	PI2-BPSK	1	246	18.54	18.54			20.0	0.0
100	PI2-BPSK	1	247	18.56	18.56			20.0	0.0
100	PI2-BPSK	1	248	18.58	18.58			20.0	0.0
100	PI2-BPSK	1	249	18.60	18.60			20.0	0.0
100	PI2-BPSK	1	250	18.62	18.62			20.0	0.0
100	PI2-BPSK	1	251	18.64	18.64			20.0	0.0
100	PI2-BPSK	1	252	18.66	18.66			20.0	0.0
100	PI2-BPSK	1	253	18.68	18.68			20.0	0.0
100	PI2-BPSK	1	254	18.70	18.70			20.0	0.0
100	PI2-BPSK	1	255	18.72	18.72			20.0	0.0
100	PI2-BPSK	1	256	18.74	18.74			20.0	0.0
100	PI2-BPSK	1	257	18.76	18.76			20.0	0.0
100	PI2-BPSK	1	258	18.78	18.78			20.0	0.0
100	PI2-BPSK	1	259	18.80	18.80			20.0	0.0
100	PI2-BPSK	1	260	18.82	18.82			20.0	0.0
100	PI2-BPSK	1	261	18.84	18.84			20.0	0.0
100	PI2-BPSK	1	262	18.86	18.86			20.0	0.0
100	PI2-BPSK	1	263	18.88	18.88			20.0	0.0
100	PI2-BPSK	1	264	18.90	18.90			20.0	0.0
100	PI2-BPSK	1	265	18.92	18.92			20.0	0.0
100	PI2-BPSK	1	266	18.94	18.94			20.0	0.0
100	PI2-BPSK	1	267	18.96	18.96			20.0	0.0
100	PI2-BPSK	1	268	18.98	18.98			20.0	0.0
100	PI2-BPSK	1	269	19.00	19.00			20.0	0.0
100	PI2-BPSK	1	270	19.02	19.02			20.0	0.0
100	PI2-BPSK	1	271	19.04	19.04			20.0	0.0
100	PI2-BPSK	1	272	19.06	19.06			20.0	0.0
100	PI2-BPSK	1	273	19.08	19.08			20.0	0.0
100	PI2-BPSK	1	274	19.10	19.10			20.0	0.0
100	PI2-BPSK	1	275	19.12	19.12			20.0	0.0
100	PI2-BPSK	1	276	19.14	19.14			20.0	0.0
100	PI2-BPSK	1	277	19.16	19.16			20.0	0.0
100	PI2-BPSK	1	278	19.18	19.18			20.0	0.0
100	PI2-BPSK	1	279	19.20	19.20			20.0	0.0
100	PI2-BPSK	1	280	19.22	19.22			20.0	0.0
100	PI2-BPSK	1	281	19.24	19.24			20.0	0.0
100	PI2-BPSK	1	282	19.26	19.26			20.0	0.0
100	PI2-BPSK	1	283	19.28	19.28			20.0	0.0
100	PI2-BPSK	1	284	19.30	19.30			20.0	0.0
100	PI2-BPSK	1	285	19.32	19.32			20.0	0.0
100	PI2-BPSK	1	286	19.34	19.34			20.0	0.0
100	PI2-BPSK	1	287	19.36	19.36			20.0	0.0
100	PI2-BPSK	1	288	19.38	19.38			20.0	0.0
100	PI2-BPSK	1	289	19.40	19.40			20.0	0.0
100	PI2-BPSK	1	290	19.42	19.42			20.0	0.0
100	PI2-BPSK	1	291	19.44	19.44			20.0	0.0
100	PI2-BPSK	1	292	19.46	19.46			20.0	0.0
100	PI2-BPSK	1	293	19.48	19.48			20.0	0.0
100	PI2-BPSK	1	294	19.50	19.50			20.0	0.0
100	PI2-BPSK	1	295	19.52	19.52			20.0	0.0
100	PI2-BPSK	1	296	19.54	19.54			20.0	0.0
100	PI2-BPSK	1	297	19.56	19.56			20.0	0.0
100	PI2-BPSK	1	298	19.58	19.58			20.0	0.0
100	PI2-BPSK	1	299	19.60	19.60			20.0	0.0
100	PI2-BPSK	1	300	19.62	19.62			20.0	0.0
100	PI2-BPSK	1	301	19.64	19.64			20.0	0.0
100	PI2-BPSK	1	302	19.66	19.66			20.0	0.0
100	PI2-BPSK	1	303	19.68	19.68			20.0	0.0
100	PI2-BPSK	1	304	19.70	19.70			20.0	0.0
100	PI2-BPSK	1	305	19.72	19.72			20.0	0.0
100	PI2-BPSK	1	306	19.74	19.74			20.0	0.0
100	PI2-BPSK	1	307	19.76	19.76			20.0	0.0
100	PI2-BPSK	1	308	19.78	19.78			20.0	0.0
100	PI2-BPSK	1	309	19.80	19.80			20.0	0.0
100	PI2-BPSK	1	310	19.82	19.82			20.0	0.0
100	PI2-BPSK	1	311	19.84	19.84			20.0	0.0
100	PI2-BPSK	1	312	19.86	19.86			20.0	0.0
100	PI2-BPSK	1	313	19.88	19.88			20.0	0.0
100	PI2-BPSK	1	314	19.90	19.90			20.0	0.0
100	PI2-BPSK	1	315	19.92	19.92			20.0	0.0
100	PI2-BPSK	1	316	19.94	19.94			20.0	0.0
100	PI2-BPSK	1	317	19.96	19.96			20.0	0.0
100	PI2-BPSK	1	318	19.98	19.98			20.0	0.0
100	PI2-BPSK	1	319	20.00	20.00			20.0	0.0
100	PI2-BPSK	1	320	20.02	20.02			20.0	0.0
100	PI2-BPSK	1	321	20.04	20.04			20.0	0.0
100	PI2-BPSK	1	322	20.06	20.06			20.0	0.0
100	PI2-BPSK	1	323	20.08	20.08			20.0	0.0
100	PI2-BPSK	1	324	20.10	20.10			20.0	0.0
100	PI2-BPSK	1	325	20.12	20.12			20.0	0.0
100	PI2-BPSK	1	326	20.14	20.14			20.0	0.0
100	PI2-BPSK	1	327	20.16	20.16			20.0	0.0
100	PI2-BPSK	1	328	20.18	20.18			20.0	0.0
100	PI2-BPSK	1	329	20.20	20.20			20.0	0.0
100	PI2-BPSK	1	330	20.22	20.22			20.0	0.0
100	PI2-BPSK	1	331	20.24	20.24			20.0	0.0
100	PI2-BPSK	1	332	20.26	20.26			20.0	0.0
100	PI2-BPSK	1	333	20.28	20.28			20.0	0.0
100	PI2-BPSK	1	334	20.30	20.30			20.0	0.0
100	PI2-BPSK	1	335	20.32	20.32			20.0	0.0
100	PI2-BPSK	1	336	20.34	20.34			20.0	0.0
100	PI2-BPSK	1	337	20.36	20.36			20.0	0.0
100	PI2-BPSK	1	338	20.38	20.38			20.0	0.0
100	PI2-BPSK	1	339	20.40	20.40			20.0	0.0
100	PI2-BPSK	1	340	20.42	20.42			20.0	0.0
100	PI2-BPSK	1	341	20.44	20.44			20.0	0.0
100	PI2-BPSK	1	342	20.46	20.46			20.0	0.0
100	PI2-BPSK	1	343	20.48	20.48			20.0	0.0
100	PI2-BPSK	1	344	20.50	20.50			20.0	0.0
100	PI2-BPSK	1	345	20.52	20.52			20.0	0.0
100	PI2-BPSK	1	346	20.54	20.54			20.0	0.0
100	PI2-BPSK	1	347	20.56	20.56			20.0	0.0
100	PI2-BPSK	1	348	20.58	20.58			20.0	0.0
100	PI2-BPSK	1	349	20.60	20.60			20.0	0.0
100	PI2-BPSK	1	350	20.62	20.62			20.0	0.0
100	PI2-BPSK	1	351	20.64	20.64			20.0	0.0
100	PI2-BPSK	1	352	20.66	20.66			20.0	0.0
100	PI2-BPSK	1	353	20.68	20.68			20.0	0.0
100	PI2-BPSK	1	354	20.70	20.70			20.0	0.0
100	PI2-BPSK	1	355	20.72	20.72			20.0	0.0
100	PI2-BPSK	1	356	20.74	20.74			20.0	0.0



DSI 4 Power

n7_Ant 14										
RF DMS	Modulation	RF Dm	RF Chm	Power Tx / Ch / Freq	Power Rxs / Ch / Freq	Power Tgt / Ch / Freq	Turn-up Time (min)	MFR (dB)		
Channel										
Frequency (MHz)										
40	PDU BPSK	1	1	18.71	18.71	18.71				
40	PDU BPSK	1	100	18.72	18.72	18.72		14.2	0.0	
40	PDU BPSK	1	200	18.80	18.80	18.80				
40	PDU BPSK	100	0	18.84	18.72	18.72		18.2	0.0	
40	PDU BPSK	100	100	18.81	18.74	18.68		18.2	0.0	
40	PDU BPSK	100	100	18.88	18.72	18.65		14.0	0.0	
40	PDU BPSK	200	0	18.88	18.72	18.68				
40	CPFSK	1	1	18.87	18.84	18.84				
40	CPFSK	1	100	18.87	18.72	18.70		18.2	0.0	
40	CPFSK	100	0	18.82	18.76	18.70		18.2	0.0	
40	CPFSK	100	100	18.85	18.64	18.62		18.2	0.0	
40	CPFSK	100	100	18.82	18.68	18.71		18.2	0.0	
40	CPFSK	200	0	18.82	18.64	18.62				
40	REGAIN	1	1	18.88	18.88	18.88		18.2	0.0	
40	REGAIN	1	1	18.88	18.88	18.88		18.2	0.0	
40	REGAIN	1	1	18.88	18.88	18.88		18.2	0.0	
Channel										
Frequency (MHz)										
40	PDU BPSK	1	1	18.85	18.42	18.42		18.2	0.0	
Channel										
Frequency (MHz)										
40	PDU BPSK	1	1	18.84	18.23	18.43		18.2	0.0	
Channel										
Frequency (MHz)										
40	PDU BPSK	1	1	18.84	18.42	18.42		18.2	0.0	
Channel										
Frequency (MHz)										
40	PDU BPSK	1	1	18.82	18.23	18.23		18.2	0.0	
Channel										
Frequency (MHz)										
40	PDU BPSK	1	1	18.84	18.23	18.23		18.2	0.0	
Channel										
Frequency (MHz)										
40	PDU BPSK	1	1	18.84	18.23	18.23		18.2	0.0	
Channel										
Frequency (MHz)										
40	PDU BPSK	1	1	18.85	18.42	18.42		18.2	0.0	
Channel										
Frequency (MHz)										
40	PDU BPSK	1	1	18.84	18.42	18.42		18.2	0.0	

n7_Ant 12										
RF DMS	Modulation	RF Dm	RF Chm	Power Tx / Ch / Freq	Power Rxs / Ch / Freq	Power Tgt / Ch / Freq	Turn-up Time (min)	MFR (dB)		
Channel										
Frequency (MHz)										
40	PDU BPSK	1	1	22.78	22.72	22.72				
40	PDU BPSK	1	100	22.20	22.20	22.22		24.2	0.0	
40	PDU BPSK	1	200	22.20	22.20	22.20				
40	PDU BPSK	100	0	22.20	22.20	22.21		23.7	0.0	
40	PDU BPSK	100	100	22.20	22.21	22.22		24.2	0.0	
40	PDU BPSK	100	100	22.20	22.21	22.24		23.7	0.0	
40	PDU BPSK	200	0	22.20	22.20	22.28				
40	CPFSK	1	1	22.88	22.84	22.84				
40	CPFSK	1	100	22.87	22.87	22.95		24.2	0.0	
40	CPFSK	100	0	22.88	22.88	22.96		24.2	1.0	
40	CPFSK	100	100	22.88	22.88	22.95		24.2	1.0	
40	CPFSK	100	100	22.88	22.89	22.92		23.2	1.0	
40	CPFSK	200	0	22.88	22.88	22.92				
40	REGAIN	1	1	23.01	23.01	23.01		23.2	1.0	
40	REGAIN	1	1	23.01	23.01	23.01		23.2	1.0	
40	REGAIN	1	1	23.01	23.01	23.01		23.2	1.0	
Channel										
Frequency (MHz)										
40	PDU BPSK	1	1	22.88	22.88	22.88		24.2	0.0	
Channel										
Frequency (MHz)										
40	PDU BPSK	1	1	22.88	22.87	22.87		24.2	0.0	

n66_Ant 14										
RF DMS	Modulation	RF Dm	RF Chm	Power Tx / Ch / Freq	Power Rxs / Ch / Freq	Power Tgt / Ch / Freq	Turn-up Time (min)	MFR (dB)		
Channel										
Frequency (MHz)										
40	PDU BPSK	1	1	18.84	18.78	18.78				
40	PDU BPSK	1	100	18.22	18.22	18.22		14.5	0.0	
40	PDU BPSK	1	200	18.22	18.22	18.22				
40	PDU BPSK	100	0	18.22	18.22	18.22		14.5	0.0	
40	PDU BPSK	100	100	18.22	18.22	18.22		14.5	0.0	
40	PDU BPSK	100	100	18.22	18.22	18.22		14.5	0.0	
40	PDU BPSK	200	0	18.24	18.21	18.20				
40	CPFSK	1	1	18.78	18.74	18.74				
40	CPFSK	1	100	18.74	18.20	18.21		14.5	0.0	
40	CPFSK	100	0	18.78	18.78	18.22		14.5	0.0	
40	CPFSK	100	100	18.71	18.28	18.24		14.5	0.0	
40	CPFSK	100	100	18.72	18.28	18.21		14.5	0.0	
40	CPFSK	200	0	18.72	18.28	18.20				
40	REGAIN	1	1	18.22	18.22	18.20		14.5	0.0	
40	REGAIN	1	1	18.22	18.22	18.20		14.5	0.0	
40	REGAIN	1	1	18.22	18.22	18.20		14.5	0.0	
Channel										
Frequency (MHz)										
40	PDU BPSK	1	1	18.59	18.68	18.20		14.5	0.0	
Channel										
Frequency (MHz)										
40	PDU BPSK	1	1	18.24	18.42	18.42		14.5	0.0	
Channel										
Frequency (MHz)										
40	PDU BPSK	1	1	18.41	18.40	18.20		14.5	0.0	
Channel										
Frequency (MHz)										
40	PDU BPSK	1	1	18.41	18.40	18.20		14.5	0.0	
Channel										
Frequency (MHz)										
40	PDU BPSK	1	1	18.41	18.40	18.20		14.5	0.0	
Channel										
Frequency (MHz)										
40	PDU BPSK	1	1	18.41	18.40	18.20		14.5	0.0	
Channel										
Frequency (MHz)										
40	PDU BPSK	1	1	18.41	18.40	18.20		14.5	0.0	
Channel										
Frequency (MHz)										
40	PDU BPSK	1	1	18.55	18.40	18.40		14.5	0.0	
Channel										
Frequency (MHz)										
40	PDU BPSK	1	1	18.55	18.40	18.40		14.5	0.0	

n66_Ant 12										
RF DMS	Modulation	RF Dm	RF Chm	Power Tx / Ch / Freq	Power Rxs / Ch / Freq	Power Tgt / Ch / Freq	Turn-up Time (min)	MFR (dB)		
Channel										
Frequency (MHz)										
40	PDU BPSK	1	1	21.22	21.21	21.21				
40	PDU BPSK	1	100	21.23	21.22	21.22		22.3	0.0	
40	PDU BPSK	1	200	21.23	21.23	21.23				
40	PDU BPSK	100	0	21.23	21.23	21.23		22.3	0.0	
40	PDU BPSK	100	100	21.23	21.23	21.23		22.3	0.0	
40	PDU BPSK	100	100	21.23	21.23	21.23		22.3	0.0	
40	PDU BPSK	200	0	21.23	21.23	21.23				
40	CPFSK	1	1	21.24	21.24	21.24				
40	CPFSK	1	100	21.22	21.22	21.23		22.3	0.0	
40	CPFSK	100	0	21.23	21.23	21.23		22.3	0.0	
40	CPFSK	100	100	21.23	21.23	21.23		22.3	0.0	
40	CPFSK	100	100	21.23	21.23	21.23		22.3	0.0	
40	CPFSK	200	0	21.24	21.24	21.24				
40	REGAIN	1	1	21.23	21.24	21.24		22.3	0.0	
40	REGAIN	1	1	21.23	21.24	21.24		22.3	0.0	
40	REGAIN	1	1	21.23	21.24	21.24		22.3	0.0	
Channel										
Frequency (MHz)										
40	PDU BPSK	1	1	21.22	21.22	21.21		22.3	0.0	
Channel										
Frequency (MHz)										
40	PDU BPSK	1	1	21.22	21.22	21.21		22.3	0.0	



Part27Q n78_Ant 13											
BW (MHz)	Multiplex	RS Size	RS Other	Power Type	Power Ch. / Freq.	Power Type	Power Ch. / Freq.	Power Type	Power Ch. / Freq.	Turn-up time (min)	MFR (dB)
Channel											
100	P12-BPSK	1	1		11.07					12.5	0.0
Frequency (MHz)											
100	P12-BPSK	1	1		11.07						
100	P12-BPSK	1	2/1		11.08					12.5	0.0
Frequency (MHz)											
100	P12-BPSK	1	0		11.09						
100	P12-BPSK	1	0		11.10					12.5	0.0
Frequency (MHz)											
100	P12-BPSK	1	0		11.11						
100	P12-BPSK	1	0		11.12					12.5	0.0
Frequency (MHz)											
100	QPSK	1	1		11.13					12.5	0.0
Frequency (MHz)											
100	QPSK	1	1/2		11.13						
Frequency (MHz)											
100	QPSK	1	2/1		11.14					12.5	0.0
Frequency (MHz)											
100	QPSK	1	0		11.15						
100	QPSK	1	0		11.16					12.5	0.0
Frequency (MHz)											
100	QPSK	1	0		11.17						
100	QPSK	1	0		11.18					12.5	0.0
Frequency (MHz)											
100	QPSK	1	0		11.19						
100	QPSK	1	0		11.20					12.5	0.0
Frequency (MHz)											
100	QPSK	1	0		11.21						
100	QPSK	1	0		11.22					12.5	0.0
Frequency (MHz)											
100	QPSK	1	0		11.23						
100	QPSK	1	0		11.24					12.5	0.0
Frequency (MHz)											
100	QPSK	1	0		11.25						
100	QPSK	1	0		11.26					12.5	0.0
Frequency (MHz)											
100	QPSK	1	0		11.27						
100	QPSK	1	0		11.28					12.5	0.0
Frequency (MHz)											
100	QPSK	1	0		11.29						
100	QPSK	1	0		11.30					12.5	0.0
Frequency (MHz)											
100	QPSK	1	0		11.31						
100	QPSK	1	0		11.32					12.5	0.0
Frequency (MHz)											
100	QPSK	1	0		11.33						
100	QPSK	1	0		11.34					12.5	0.0
Frequency (MHz)											
100	QPSK	1	0		11.35						
100	QPSK	1	0		11.36					12.5	0.0
Frequency (MHz)											
100	QPSK	1	0		11.37						
100	QPSK	1	0		11.38					12.5	0.0
Frequency (MHz)											
100	QPSK	1	0		11.39						
100	QPSK	1	0		11.40					12.5	0.0
Frequency (MHz)											
100	QPSK	1	0		11.41						
100	QPSK	1	0		11.42					12.5	0.0
Frequency (MHz)											
100	QPSK	1	0		11.43						
100	QPSK	1	0		11.44					12.5	0.0
Frequency (MHz)											
100	QPSK	1	0		11.45						
100	QPSK	1	0		11.46					12.5	0.0
Frequency (MHz)											
100	QPSK	1	0		11.47						
100	QPSK	1	0		11.48					12.5	0.0
Frequency (MHz)											
100	QPSK	1	0		11.49						
100	QPSK	1	0		11.50					12.5	0.0
Frequency (MHz)											
100	QPSK	1	0		11.51						
100	QPSK	1	0		11.52					12.5	0.0
Frequency (MHz)											
100	QPSK	1	0		11.53						
100	QPSK	1	0		11.54					12.5	0.0
Frequency (MHz)											
100	QPSK	1	0		11.55						
100	QPSK	1	0		11.56					12.5	0.0
Frequency (MHz)											
100	QPSK	1	0		11.57						
100	QPSK	1	0		11.58					12.5	0.0
Frequency (MHz)											
100	QPSK	1	0		11.59						
100	QPSK	1	0		11.60					12.5	0.0
Frequency (MHz)											
100	QPSK	1	0		11.61						
100	QPSK	1	0		11.62					12.5	0.0
Frequency (MHz)											
100	QPSK	1	0		11.63						
100	QPSK	1	0		11.64					12.5	0.0
Frequency (MHz)											
100	QPSK	1	0		11.65						
100	QPSK	1	0		11.66					12.5	0.0
Frequency (MHz)											
100	QPSK	1	0		11.67						
100	QPSK	1	0		11.68					12.5	0.0
Frequency (MHz)											
100	QPSK	1	0		11.69						
100	QPSK	1	0		11.70					12.5	0.0
Frequency (MHz)											
100	QPSK	1	0		11.71						
100	QPSK	1	0		11.72					12.5	0.0
Frequency (MHz)											
100	QPSK	1	0		11.73						
100	QPSK	1	0		11.74					12.5	0.0
Frequency (MHz)											
100	QPSK	1	0		11.75						
100	QPSK	1	0		11.76					12.5	0.0
Frequency (MHz)											
100	QPSK	1	0		11.77						
100	QPSK	1	0		11.78					12.5	0.0
Frequency (MHz)											
100	QPSK	1	0		11.79						
100	QPSK	1	0		11.80					12.5	0.0
Frequency (MHz)											
100	QPSK	1	0		11.81						
100	QPSK	1	0		11.82					12.5	0.0
Frequency (MHz)											
100	QPSK	1	0		11.83						
100	QPSK	1	0		11.84					12.5	0.0
Frequency (MHz)											
100	QPSK	1	0		11.85						
100	QPSK	1	0		11.86					12.5	0.0
Frequency (MHz)											
100	QPSK	1	0		11.87						
100	QPSK	1	0		11.88					12.5	0.0
Frequency (MHz)											
100	QPSK	1	0		11.89						
100	QPSK	1	0		11.90					12.5	0.0
Frequency (MHz)											
100	QPSK	1	0		11.91						
100	QPSK	1	0		11.92					12.5	0.0
Frequency (MHz)											
100	QPSK	1	0		11.93						
100	QPSK	1	0		11.94					12.5	0.0
Frequency (MHz)											
100	QPSK	1	0		11.95						
100	QPSK	1	0		11.96					12.5	0.0
Frequency (MHz)											
100	QPSK	1	0		11.97						
100	QPSK	1	0		11.98					12.5	0.0
Frequency (MHz)											
100	QPSK	1	0		11.99						
100	QPSK	1	0		12.00					12.5	0.0
Frequency (MHz)											

Part27O n78_Ant 13											
BW (MHz)	Multiplex	RS Size	RS Other	Power Type	Power Ch. / Freq.	Power Type	Power Ch. / Freq.	Power Type	Power Ch. / Freq.	Turn-up time (min)	MFR (dB)
Channel											
100	P12-BPSK	1	1		10.97					12.5	0.0
Frequency (MHz)											
100	P12-BPSK	1	1		10.97						
100	P12-BPSK	1	2/1		10.97					12.5	0.0
Frequency (MHz)											
100	P12-BPSK	1	0		10.98						
100	P12-BPSK	1	0		10.99					12.5	0.0
Frequency (MHz)											
100	P12-BPSK	1	0		11.00						
100	P12-BPSK	1	0		11.01					12.5	0.0
Frequency (MHz)											
100	QPSK	1	1		11.02					12.5	0.0
Frequency (MHz)											
100	QPSK	1	1/2		11.02						
Frequency (MHz)											
100	QPSK	1	2/1		11.03					12.5	0.0
Frequency (MHz)											
100	QPSK	1	0		11.04						
100	QPSK	1	0		11.05					12.5	0.0
Frequency (MHz)											
100	QPSK	1	0		11.06						
100	QPSK	1	0		11.07					12.5	0.0
Frequency (MHz)											
100	QPSK	1	0		11.08						
100	QPSK	1	0		11.09					12.5	0.0
Frequency (MHz)											
100	QPSK	1	0		11.10						
100	QPSK	1	0		11.11					12.5	0.0
Frequency (MHz)											
100	QPSK	1	0		11.12						
100	QPSK	1	0		11.13					12.5	0.0
Frequency (MHz)											
100	QPSK	1	0		11.14						
100	QPSK	1	0		11.15					12.5	0.0
Frequency (MHz)											
100	QPSK	1	0								



Part27Q n78_Ant 13

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI/2 BPSK	1	1	20.05	3500.01			
100	PI/2 BPSK	1	137	20.70			21.5	0.0
100	PI/2 BPSK	1	271	20.04				
100	PI/2 BPSK	135	0	20.08			21.5	0.0
100	PI/2 BPSK	135	69	20.86			21.5	0.0
100	PI/2 BPSK	135	138	20.96			21.5	0.0
100	PI/2 BPSK	270	0	20.53				
100	QPSK	1	1	20.82				
100	QPSK	1	137	20.50			21.5	0.0
100	QPSK	1	271	20.11				
100	QPSK	135	0	20.86				
100	QPSK	135	69	20.53			21.5	0.0
100	QPSK	135	138	20.08				
100	QPSK	270	0	20.86			21.5	0.0
100	16QAM	1	1	20.54			21.5	0.0
100	64QAM	1	1	20.53			21.5	0.0
100	256QAM	1	1	19.93			20.0	1.5
Channel								
Frequency (MHz)								
90	PI/2 BPSK	1	1	20.04	20.06	20.08	21.5	0.0
Channel								
Frequency (MHz)								
80	PI/2 BPSK	1	1	20.07	20.12	20.07	21.5	0.0
Channel								
Frequency (MHz)								
70	PI/2 BPSK	1	1	20.02	20.06	20.12	21.5	0.0
Channel								
Frequency (MHz)								
60	PI/2 BPSK	1	1	20.12	20.08	20.00	21.5	0.0
Channel								
Frequency (MHz)								
50	PI/2 BPSK	1	1	20.07	20.09	20.11	21.5	0.0
Channel								
Frequency (MHz)								
40	PI/2 BPSK	1	1	20.13	20.12	20.14	21.5	0.0
Channel								
Frequency (MHz)								
30	PI/2 BPSK	1	1	20.09	20.04	20.00	21.5	0.0
Channel								
Frequency (MHz)								
20	PI/2 BPSK	1	1	20.04	20.01	20.14	21.5	0.0
Channel								
Frequency (MHz)								
15	PI/2 BPSK	1	1	20.03	20.04	20.02	21.5	0.0
Channel								
Frequency (MHz)								
10	PI/2 BPSK	1	1	20.05	20.10	20.08	21.5	0.0

Part27O n78_Ant 13

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI/2 BPSK	1	1	20.07	6500.00			
100	PI/2 BPSK	1	137	20.36			21.5	0.0
100	PI/2 BPSK	1	271	20.02				
100	PI/2 BPSK	135	0	20.23			21.5	0.0
100	PI/2 BPSK	135	69	20.32			21.5	0.0
100	PI/2 BPSK	135	138	20.27			21.5	0.0
100	PI/2 BPSK	270	0	20.14				
100	QPSK	1	1	20.38				
100	QPSK	1	137	20.30			21.5	0.0
100	QPSK	1	271	20.15				
100	QPSK	135	0	20.34				
100	QPSK	135	69	20.21			21.5	0.0
100	QPSK	135	138	20.19				
100	QPSK	270	0	20.36			21.5	0.0
100	16QAM	1	1	20.33			21.5	0.0
100	64QAM	1	1	20.33			21.5	0.0
100	256QAM	1	1	19.83			20.0	1.5
Channel								
Frequency (MHz)								
90	PI/2 BPSK	1	1	20.15	20.23	20.16	21.5	0.0
Channel								
Frequency (MHz)								
80	PI/2 BPSK	1	1	20.21	20.15	20.18	21.5	0.0
Channel								
Frequency (MHz)								
70	PI/2 BPSK	1	1	20.13	20.17	20.24	21.5	0.0
Channel								
Frequency (MHz)								
60	PI/2 BPSK	1	1	20.12	20.23	20.21	21.5	0.0
Channel								
Frequency (MHz)								
50	PI/2 BPSK	1	1	20.10	20.20	20.23	21.5	0.0
Channel								
Frequency (MHz)								
40	PI/2 BPSK	1	1	20.14	20.22	20.21	21.5	0.0
Channel								
Frequency (MHz)								
30	PI/2 BPSK	1	1	20.18	20.11	20.24	21.5	0.0
Channel								
Frequency (MHz)								
20	PI/2 BPSK	1	1	20.16	20.17	20.23	21.5	0.0
Channel								
Frequency (MHz)								
15	PI/2 BPSK	1	1	20.14	20.13	20.14	21.5	0.0
Channel								
Frequency (MHz)								
10	PI/2 BPSK	1	1	20.24	20.16	20.14	21.5	0.0



WLAN/Bluetooth Power

				Default Power												Head/Receiver off/Standby/Simultaneous						Body/Receiver off/Standby						Body/Receiver off/Simultaneous/Hotspot on						Daily Cycle %
Mode	Channel	Frequency (MHz)	RU Config	Ant 24		Ant 25		Ant 24+25		Ant 24		Ant 25		Ant 24+25		Ant 24		Ant 25		Ant 24+25		Ant 24		Ant 25		Ant 24+25								
				Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit					
2.4GHz WLAN	802.11b Mbps	1	2412	F,Full	17.00	18.00	17.30	18.00	20.16	21.00	11.00	12.50	10.80	12.50	13.00	15.50	17.00	18.00	17.30	18.00	20.16	21.00	14.80	16.00	14.70	16.00	17.75	19.00	99.14					
		6	2437	F,Full	14.90	16.00	15.00	16.00	17.96	19.00	11.10	12.50	10.90	12.50	14.00	15.50	14.90	16.00	15.00	16.00	17.96	19.00	14.00	16.00	15.00	16.00	17.96	19.00	99.14					
		11	2462	F,Full	14.90	16.00	14.90	16.00	17.71	18.00	11.00	12.50	10.90	12.50	13.95	15.50	14.90	16.00	14.90	16.00	17.71	18.00	14.00	16.00	14.80	16.00	17.71	19.00	99.14					
	802.11g 6Mbps	1	2412	F,Full	17.00	18.00	17.00	18.00	20.11	21.00	12.00	12.50	12.00	12.50	12.00	12.50	15.50	17.00	18.00	17.20	18.00	20.11	21.00	16.00	16.00	16.00	16.00	19.00	96.48					
		6	2437	F,Full	17.00	18.00	17.00	18.00	20.11	21.00	12.00	12.50	12.00	12.50	12.00	12.50	15.50	17.00	18.00	17.20	18.00	20.11	21.00	16.00	16.00	16.00	16.00	19.00	96.48					
		11	2462	F,Full	16.40	18.00	16.40	18.00	19.41	21.00	12.00	12.50	12.00	12.50	12.00	12.50	15.50	16.40	18.00	16.40	18.00	19.41	21.00	16.00	16.00	16.00	16.00	19.00	96.24					
	802.11a-HT20 MCS0	1	2412	F,Full	16.10	18.00	16.10	18.00	19.11	21.00	12.00	12.50	12.00	12.50	12.00	12.50	15.50	16.10	18.00	16.10	18.00	19.11	21.00	16.00	16.00	16.00	16.00	19.00	96.24					
		6	2437	F,Full	16.40	18.00	16.50	18.00	19.40	21.00	12.00	12.50	12.00	12.50	12.00	12.50	15.50	16.40	18.00	16.50	18.00	19.40	21.00	16.00	16.00	16.00	16.00	19.00	96.24					
		11	2462	F,Full	16.20	18.00	16.20	18.00	19.21	21.00	12.00	12.50	12.00	12.50	12.00	12.50	15.50	16.20	18.00	16.20	18.00	19.21	21.00	16.00	16.00	16.00	16.00	19.00	96.24					
		802.11a-H20 MCS6	1	2412	F,Full	15.50	17.00	15.40	17.00	18.41	20.00	12.00	12.50	12.00	12.50	12.00	12.50	15.50	15.50	17.00	15.40	17.00	18.41	20.00	16.00	16.00	16.00	16.00	19.00	96.24				
			6	2437	F,Full	16.20	18.00	16.30	18.00	19.26	21.00	12.00	12.50	12.00	12.50	12.00	12.50	15.50	16.20	18.00	16.30	18.00	19.26	21.00	16.00	16.00	16.00	16.00	19.00	96.24				
			11	2462	F,Full	16.30	18.00	16.30	18.00	19.36	21.00	12.00	12.50	12.00	12.50	12.00	12.50	15.50	16.30	18.00	16.30	18.00	19.36	21.00	16.00	16.00	16.00	16.00	19.00	96.24				
802.11a-H20 MCS6		6	2437	F,Full	16.60	18.00	16.50	18.00	19.76	21.00	12.00	12.50	12.00	12.50	12.00	12.50	15.50	16.60	18.00	16.50	18.00	19.76	21.00	16.00	16.00	16.00	16.00	19.00	96.80					
		11	2462	F,Full	16.40	18.00	16.50	18.00	19.69	21.00	12.00	12.50	12.00	12.50	12.00	12.50	15.50	16.40	18.00	16.50	18.00	19.69	21.00	16.00	16.00	16.00	16.00	19.00	96.80					
		20B	2486	F,Full	16.30	18.00	16.50	18.00	19.69	21.00	12.00	12.50	12.00	12.50	12.00	12.50	15.50	16.30	18.00	16.50	18.00	19.69	21.00	16.00	16.00	16.00	16.00	19.00	96.80					
802.11a-H20 MCS6		11	2462	F,Full	16.50	18.00	16.50	18.00	19.69	21.00	12.00	12.50	12.00	12.50	12.00	12.50	15.50	16.50	18.00	16.50	18.00	19.69	21.00	16.00	16.00	16.00	16.00	19.00	96.80					
		20B	2486	F,Full	16.30	18.00	16.40	18.00	19.36	21.00	12.00	12.50	12.00	12.50	12.00	12.50	15.50	16.30	18.00	16.40	18.00	19.36	21.00	16.00	16.00	16.00	16.00	19.00	96.80					
		10S4	2454	F,Full	16.30	18.00	16.40	18.00	19.36	21.00	12.00	12.50	12.00	12.50	12.00	12.50	15.50	16.30	18.00	16.40	18.00	19.36	21.00	16.00	16.00	16.00	16.00	19.00	96.80					

				Default Power												Head/Receiver off/Standby/Simultaneous						Body/Receiver off/Standby						Body/Receiver off/Simultaneous/Hotspot on						Daily Cycle %
Mode	Channel	Frequency (MHz)	RU Config	Ant 22		Ant 24		Ant 22+24		Ant 22		Ant 24		Ant 22+24		Ant 22		Ant 24		Ant 22+24		Ant 22		Ant 24		Ant 22+24								
				Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit					
5.2GHz WLAN	802.11a 6Mbps	40	5190	F,Full	16.50	18.00	16.21	18.00	18.13	19.00	12.00	12.00	12.00	12.00	15.50	16.53	18.00	16.21	18.00	18.13	19.00	15.50	16.53	18.00	16.21	18.00	18.13	19.00	96.07					
		44	5205	F,Full	16.50	18.00	16.90	18.00	19.73	21.00	12.00	12.00	12.00	12.00	15.50	16.92	18.00	16.90	18.00	19.73	21.00	15.50	16.92	18.00	16.90	18.00	19.73	21.00	96.07					
		48	5220	F,Full	17.17	18.00	17.92	18.00	20.57	21.00	12.00	12.00	12.00	12.00	15.50	17.17	18.00	17.92	18.00	20.57	21.00	15.50	17.17	18.00	17.92	18.00	20.57	21.00	96.07					
	802.11a-HT40 MCS0	36	5190	F,Full	16.28	17.00	15.54	17.00	18.42	20.00	12.00	12.00	12.00	12.00	15.50	16.28	17.00	15.54	17.00	18.42	20.00	15.50	16.28	17.00	15.54	17.00	18.42	20.00	96.24					
		40	5205	F,Full	16.70	18.00	17.34	18.00	20.07	21.00	12.00	12.00	12.00	12.00	15.50	16.70	18.00	17.34	18.00	20.07	21.00	15.50	16.70	18.00	17.34	18.00	20.07	21.00	96.24					
		44	5220	F,Full	17.11	18.00	17.67	18.00	20.41	21.00	12.00	12.00	12.00	12.00	15.50	17.11	18.00	17.67	18.00	20.41	21.00	15.50	17.11	18.00	17.67	18.00	20.41	21.00	96.24					
	802.11a-HT40 MCS0	48	5240	F,Full	16.79	18.00	17.38	18.00	20.10	21.00	12.00	12.00	12.00	12.00	15.50	16.79	18.00	17.38	18.00	20.10	21.00	15.50	16.79	18.00	17.38	18.00	20.10	21.00	96.24					
		36	5190	F,Full	14.93	16.00	16.33	16.00	18.15	19.00	12.00	12.00	12.00	12.00	15.50	14.93	16.00	16.33	16.00	18.15	19.00	15.50	14.93	16.00	16.33	16.00	18.15	19.00	93.35					
		48	5240	F,Full	16.26	17.50	16.58	17.50	19.41	20.00	12.00	12.00	12.00	12.00	15.50	16.26	17.50	16.58	17.50	19.41	20.00	15.50	16.26	17.50	16.58	17.50	19.41	20.00	93.35					
	802.11a-VHT80 MCS0	36	5190	F,Full	15.21	17.00	15.48	17.00	18.36	20.00	12.00	12.00	12.00	12.00	15.50	15.21	17.00	15.48	17.00	18.36	20.00	15.50	15.21	17.00	15.48	17.00	18.36	20.00	93.35					
		40	5205	F,Full	16.88	17.50	16.02	17.50	18.96	20.00	12.00	12.00	12.00	12.00	15.50	16.88	17.50	16.02	17.50	18.96	20.00	15.50	16.88	17.50	16.02	17.50	18.96	20.00	96.58					
		44	5220	F,Full	16.47	17.50	17.00	17.50	19.75	20.50	12.00	12.00	12.00	12.00	15.50	16.47	17.50	17.00	17.50	19.75	20.50	15.50	16.47	17.50	17.00	17.50	19.75	20.50	96.58					
802.11a-VHT40 MCS0	36	5190	F,Full	16.24	17.50	16.72	17.50	20.01	20.50	12.00	12.00	12.00	12.00	15.50	16.24	17.50	16.72	17.50	20.01	20.50	15.50	16.24	17.50	16.72	17.50	20.01	20.50	93.75						
	48	5240	F,Full	16.82	18.00	15.24	18.00	19.08	20.00	12.00	12.00	12.00	12.00	15.50	16.82	18.00	15.24	18.00	19.08	20.00	15.50	16.82	18.00	15.24	18.00	19.08	20.00	93.75						
	48	5240	F,Full	16.22	17.00	16.63	17.00	19.44	20.00	12.00	12.00	12.00	12.00	15.50	16.22	17.00	16.63	17.00	19.44	20.00	15.50	16.22	17.00	16.63	17.00	19.44	20.00	93.75						
802.11a-VHT80 MCS0	42	5210	F,Full	14.36	16.00	14.71	16.00	17.69	18.00	10.35	12.00	10.64	12.00	13.00	15.50	14.38	16.00	14.71	16.00	17.69	18.00	13.45	16.00	13.73	16.00	16.59	18.00	88.19						
	36	5190	F,Full	14.51	16.00	14.83	16.00	17.69	18.00	12.00	12.00	12.00	12.00	15.50	14.51	16.00	14.83	16.00	17.69	18.00	15.50	14.51	16.00	14.83	16.00	17.69	18.00	88.19						



5.5GHz WLAN				Default Power				Head/Receiver off/Standalone/Simultaneous				Body/Receiver off/ Standalone				Body/Receiver off/Simultaneous				EUTRA Cycle %										
Mode	Channel	Frequency (MHz)	RU Config	Ant 22		Ant 22-24		Ant 22		Ant 24		Ant 22-24		Ant 22		Ant 24		Ant 22-24			Ant 22		Ant 24		Ant 22-24					
				Average power (dBm)	Turn-Up Limit	Average power (dBm)	Turn-Up Limit	Average power (dBm)	Turn-Up Limit	Average power (dBm)	Turn-Up Limit	Average power (dBm)	Turn-Up Limit	Average power (dBm)	Turn-Up Limit	Average power (dBm)	Turn-Up Limit	Average power (dBm)	Turn-Up Limit	Average power (dBm)	Turn-Up Limit	Average power (dBm)	Turn-Up Limit	Average power (dBm)	Turn-Up Limit	Average power (dBm)	Turn-Up Limit			
802.11a 6Mbps	100	5800	F,Full	15.95	17.90	15.34	17.50	15.16	17.50	12.00	12.00	15.00	15.95	17.50	16.34	17.90	15.16	17.50	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	95.97		
	116	5890	F,Full	16.05	18.00	15.17	18.00	15.12	21.00	12.00	12.00	15.00	16.05	18.00	16.17	18.00	15.12	21.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00			
	124	5920	F,Full	16.03	18.00	16.13	18.00	15.09	21.00	12.00	12.00	15.00	16.03	18.00	16.13	18.00	15.09	21.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00			
	140	5700	F,Full	16.01	18.00	16.10	18.00	15.07	21.00	12.00	12.00	15.00	16.01	18.00	16.10	18.00	15.07	21.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00		15.00	
	144	5720	F,Full	16.45	18.00	16.51	18.00	15.49	21.00	12.00	12.00	15.00	16.45	18.00	16.51	18.00	15.49	21.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00		15.00	
	150	5850	F,Full	12.98	14.90	13.24	14.50	16.12	17.50	12.00	12.00	15.00	12.98	14.90	13.24	14.50	16.12	17.50	12.00	12.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00		15.00	
	118	5880	F,Full	16.08	18.00	16.62	18.00	15.37	21.00	12.00	12.00	15.00	16.08	18.00	16.62	18.00	15.37	21.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00		15.00	
	124	5900	F,Full	16.05	18.00	16.22	18.00	16.15	21.00	12.00	12.00	15.00	16.05	18.00	16.22	18.00	16.15	21.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00		15.00	15.00
	132	5860	F,Full	16.02	18.00	16.17	18.00	15.11	21.00	12.00	12.00	15.00	16.02	18.00	16.17	18.00	15.11	21.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00		15.00	15.00
	140	5700	F,Full	13.01	15.00	13.33	15.00	16.18	18.00	12.00	12.00	15.00	13.01	15.00	13.33	15.00	16.18	18.00	12.00	12.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00		15.00	15.00
	144	5720	F,Full	16.28	18.00	16.25	18.00	19.27	21.00	12.00	12.00	15.00	16.28	18.00	16.25	18.00	19.27	21.00	12.00	12.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00		15.00	15.00
	102	5910	F,Full	12.08	13.50	12.40	13.50	15.25	16.50	12.00	12.00	15.00	12.08	13.50	12.40	13.50	15.25	16.50	12.00	12.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00		15.00	15.00
110	5950	F,Full	16.16	18.00	16.00	18.00	19.55	21.00	12.00	12.00	15.00	16.16	18.00	16.00	18.00	19.55	21.00	12.00	12.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00		
126	5830	F,Full	16.04	18.00	16.27	18.00	15.17	21.00	12.00	12.00	15.00	16.04	18.00	16.27	18.00	15.17	21.00	12.00	12.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00		
134	5870	F,Full	14.91	17.00	15.55	17.00	18.25	20.00	12.00	12.00	15.00	14.91	17.00	15.55	17.00	18.25	20.00	12.00	12.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00		
142	5710	F,Full	16.09	18.00	16.45	18.00	19.28	21.00	12.00	12.00	15.00	16.09	18.00	16.45	18.00	19.28	21.00	12.00	12.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00		
150	5850	F,Full	13.99	14.50	13.10	14.50	16.05	17.50	12.00	12.00	15.00	13.99	14.50	13.10	14.50	16.05	17.50	12.00	12.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00		
118	5880	F,Full	16.50	17.90	16.30	17.90	18.03	20.50	12.00	12.00	15.00	16.50	17.90	16.30	17.90	18.03	20.50	12.00	12.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00		
124	5900	F,Full	16.53	17.80	16.54	17.80	18.51	20.50	12.00	12.00	15.00	16.53	17.80	16.54	17.80	18.51	20.50	12.00	12.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00		
132	5860	F,Full	16.51	17.80	16.56	17.80	18.51	20.50	12.00	12.00	15.00	16.51	17.80	16.56	17.80	18.51	20.50	12.00	12.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00		
140	5700	F,Full	16.90	18.00	13.24	15.00	16.04	18.00	12.00	12.00	15.00	16.90	18.00	13.24	15.00	16.04	18.00	12.00	12.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00		
144	5720	F,Full	16.01	17.80	16.03	17.80	19.03	20.50	12.00	12.00	15.00	16.01	17.80	16.03	17.80	19.03	20.50	12.00	12.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00		
102	5910	F,Full	12.02	13.00	12.28	13.00	15.16	16.00	12.00	12.00	15.00	12.02	13.00	12.28	13.00	15.16	16.00	12.00	12.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00		
110	5950	F,Full	16.20	17.00	16.74	17.00	18.49	20.00	12.00	12.00	15.00	16.20	17.00	16.74	17.00	18.49	20.00	12.00	12.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00		
126	5830	F,Full	16.05	17.00	16.29	17.00	18.18	20.00	12.00	12.00	15.00	16.05	17.00	16.29	17.00	18.18	20.00	12.00	12.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00		
134	5870	F,Full	14.90	17.00	15.33	17.00	18.13	20.00	12.00	12.00	15.00	14.90	17.00	15.33	17.00	18.13	20.00	12.00	12.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00		
142	5710	F,Full	16.14	17.00	16.36	17.00	18.26	20.00	12.00	12.00	15.00	16.14	17.00	16.36	17.00	18.26	20.00	12.00	12.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00		
150	5850	F,Full	13.20	14.80	13.61	14.80	16.42	18.00	10.09	12.00	10.62	13.20	14.80	13.61	14.80	16.42	18.00	10.09	12.00	10.62	13.05	14.80	13.43	14.80	16.27	18.00	15.00			
122	5810	F,Full	16.52	17.80	16.10	17.80	18.63	20.50	10.05	12.00	10.55	16.52	17.80	16.10	17.80	18.63	20.50	10.05	12.00	10.55	13.02	14.80	13.44	14.80	16.22	18.00	15.00			
138	5890	F,Full	16.53	17.80	16.09	17.80	18.72	20.50	10.07	12.00	10.28	16.53	17.80	16.09	17.80	18.72	20.50	10.07	12.00	10.28	13.01	14.80	13.21	14.80	16.12	18.00	15.00			
100	5800	2000	11.15	11.90	11.26	11.50	14.22	14.50	11.50	11.50	14.50	11.15	11.90	11.26	11.50	14.22	14.50	11.50	11.50	14.50	11.50	11.50	14.50	11.50	11.50	14.50	11.50	14.50		
		52027	13.94	14.50	13.96	14.50	16.96	17.50	12.00	12.00	15.00	13.94	14.50	13.96	14.50	16.96	17.50	12.00	12.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00		
		106523	16.23	16.50	16.52	16.50	18.59	19.50	12.00	12.00	15.00	16.23	16.50	16.52	16.50	18.59	19.50	12.00	12.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00		
118	5880	2000	16.61	17.50	16.36	17.50	19.02	20.50	12.00	12.00	15.00	16.61	17.50	16.36	17.50	19.02	20.50	12.00	12.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00		
124	5920	F,Full	16.54	17.80	16.57	17.80	18.57	20.50	12.00	12.00	15.00	16.54	17.80	16.57	17.80	18.57	20.50	12.00	12.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00		
132	5860	F,Full	16.52	17.80	16.58	17.80	18.56	20.50	12.00	12.00	15.00	16.52	17.80	16.58	17.80	18.56	20.50	12.00	12.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00		
		2000	14.48	16.50	14.03	16.50	17.26	18.50	12.00	12.00	15.00	14.48	16.50	14.03	16.50	17.26	18.50	12.00	12.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00		
		52040	13.77</																											



BT BR/EDR Ant24

Mode	Channel	Frequency (MHz)	Average power (dBm)									Tune-up Limit
			Packet Type									
			DH1	DH3	DH5	2DH1	2DH3	2DH5	3DH1	3DH3	3DH5	
Bluetooth	CH 0	2402	12.90	12.90	13.00	10.50	10.50	10.60	10.50	10.50	10.60	15.00
	CH 39	2441	13.30	13.30	13.40	11.00	11.00	11.10	11.00	11.00	11.10	15.00
	CH 78	2480	12.80	12.80	13.00	10.00	10.00	10.20	10.00	10.00	10.20	15.00

BLE Ant24

Mode	Channel	Frequency (MHz)	Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	7.20	7.30
	CH 19	2440	8.30	8.40
	CH 39	2480	7.40	7.50
Tune-up Limit			10	10