

Band 2 Ant0 DS12 Simultaneous										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mean Ch./Freq.	Power High Ch./Freq.	Turn-up time (sec)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.78	23.15	22.89				
20	QPSK	1	49	22.81	22.78	22.73	24	0		
20	QPSK	1	99	22.79	22.74	22.68				
20	QPSK	50	0	22.80	22.83	22.77				
20	QPSK	50	24	22.85	22.81	22.82				
20	QPSK	50	50	22.79	22.74	22.69	24	0		
20	QPSK	100	0	22.83	22.85	22.82				
20	QPSK	100	0	23.10	23.01	23.11				
20	16QAM	1	49	23.05	23.14	23.13	24	0		
20	16QAM	1	99	23.05	23.06	23.01				
20	16QAM	50	0	22.39	22.35	22.38				
20	16QAM	50	24	22.44	22.40	22.42	24	0		
20	16QAM	50	50	22.40	22.34	22.37				
20	16QAM	100	0	22.44	22.40	22.41				
20	16QAM	1	0	22.88	22.88	22.88				
20	16QAM	1	49	23.03	22.94	22.89	24	0		
20	16QAM	1	99	22.77	22.80	22.85				
20	16QAM	50	0	22.40	22.34	22.36				
20	16QAM	50	24	22.44	22.40	22.37	24	0		
20	16QAM	50	50	22.38	22.35	22.39				
20	16QAM	100	0	22.40	22.39	22.41				
20	256QAM	1	0	18.07	18.15	18.07				
20	256QAM	1	49	19.05	19.11	19.07	20	4		
20	256QAM	1	99	19.03	19.10	19.10				
20	256QAM	50	0	18.78	18.85	18.87				
20	256QAM	50	24	18.79	18.85	18.87	20	4		
20	256QAM	50	50	18.83	18.87	18.78				
20	256QAM	100	0	18.82	18.80	18.83				
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.65	22.63	22.65				
15	QPSK	1	37	22.60	22.67	22.68	24	0		
15	QPSK	1	74	22.60	22.62	22.60				
15	QPSK	36	0	22.66	22.65	22.64				
15	QPSK	36	24	22.60	22.70	22.64	24	0		
15	QPSK	36	36	22.68	22.66	22.68				
15	QPSK	75	0	22.72	22.68	22.69				
15	16QAM	1	37	23.12	22.88	22.93	24	0		
15	16QAM	1	37	22.38	22.39	22.39	24	0		
15	16QAM	36	0	22.27	22.22	22.26				
15	16QAM	36	24	22.33	22.31	22.25				
15	16QAM	36	36	22.25	22.25	22.25				
15	16QAM	75	0	22.32	22.27	22.22				
15	16QAM	75	0	22.32	22.27	22.22				
15	16QAM	1	0	22.85	22.87	22.77	24	0		
15	16QAM	36	0	22.68	22.64	22.68				
15	16QAM	1	74	22.78	22.73	22.83				
15	16QAM	36	0	22.37	22.33	22.25				
15	16QAM	36	24	22.35	22.35	22.35	24	0		
15	16QAM	36	36	22.25	22.25	22.25				
15	16QAM	75	0	22.33	22.28	22.23				
15	256QAM	1	0	18.06	18.06	18.06				
15	256QAM	1	37	19.00	19.00	19.00	20	4		
15	256QAM	1	74	19.01	19.01	19.06				
15	256QAM	36	0	18.78	18.78	18.78				
15	256QAM	36	24	18.72	18.79	18.78	20	4		
15	256QAM	36	36	18.72	18.86	18.88				
15	256QAM	75	0	18.73	18.78	18.78				
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.72	22.74	22.71				
10	QPSK	1	25	22.77	22.77	22.78	24	0		
10	QPSK	1	49	22.85	22.81	22.72				
10	QPSK	25	0	22.80	22.75	22.78				
10	QPSK	25	12	22.88	22.80	22.78	24	0		
10	QPSK	25	25	22.79	22.74	22.78				
10	QPSK	50	0	22.82	22.78	22.79				
10	16QAM	1	0	23.02	23.08	23.11				
10	16QAM	1	25	23.09	23.10	23.11	24	0		
10	16QAM	25	0	23.08	22.96	22.98				
10	16QAM	25	0	22.39	22.35	22.40				
10	16QAM	25	12	22.46	22.43	22.43	24	0		
10	16QAM	25	25	22.37	22.35	22.40				
10	16QAM	50	0	22.38	22.37	22.38				
10	16QAM	1	0	23.01	22.95	22.87	24	0		
10	16QAM	1	25	22.93	22.90	22.95				
10	16QAM	1	49	22.78	22.80	22.85				
10	16QAM	25	0	22.37	22.36	22.41				
10	16QAM	25	12	22.45	22.42	22.41	24	0		
10	16QAM	25	25	22.38	22.33	22.40				
10	16QAM	50	0	22.39	22.35	22.35				
10	256QAM	1	0	19.05	19.12	19.05				
10	256QAM	1	25	18.95	19.10	19.05	20	4		
10	256QAM	1	49	18.97	19.05	19.01				
10	256QAM	25	0	18.79	18.95	18.88				
10	256QAM	25	12	18.71	18.81	18.78	20	4		
10	256QAM	25	25	18.79	18.87	18.71				
10	256QAM	50	0	18.74	18.82	18.78				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.73	22.73	22.73				
5	QPSK	1	12	22.76	22.76	22.77	24	0		
5	QPSK	1	24	22.68	22.67	22.70				
5	QPSK	13	0	22.82	22.75	22.78				
5	QPSK	12	7	22.83	22.80	22.81	24	0		
5	QPSK	12	13	22.73	22.70	22.72				
5	QPSK	25	0	22.75	22.74	22.78				
5	16QAM	1	0	23.14	23.06	23.09				
5	16QAM	1	12	22.68	22.71	22.72	24	0		
5	16QAM	1	24	23.12	23.08	23.04				
5	16QAM	12	0	22.48	22.35	22.43				
5	16QAM	12	7	22.43	22.39	22.46	24	0		
5	16QAM	12	13	22.35	22.33	22.40				
5	16QAM	25	0	22.38	22.38	22.42				
5	16QAM	1	0	22.60	22.61	22.65	24	0		
5	16QAM	12	0	22.67	22.59	22.67				
5	16QAM	1	24	22.89	22.79	22.89				
5	16QAM	12	0	22.44	22.33	22.44				
5	16QAM	12	7	22.41	22.41	22.50	24	0		
5	16QAM	12	13	22.32	22.32	22.40				
5	16QAM	25	0	22.36	22.36	22.41				
5	256QAM	1	0	19.04	19.08	19.05				
5	256QAM	1	12	18.97	19.01	19.08	20	4		
5	256QAM	12	0	18.96	19.10	19.01				
5	256QAM	12	7	18.91	18.91	18.80	20	4		
5	256QAM	12	13	18.80	18.85	18.85	20	4		
5	256QAM	25	0	18.80	18.87	18.78				
Channel										
Frequency (MHz)										
3	QPSK	1	0	22.72	22.90	22.74				
3	QPSK	1	8	22.71	22.81	22.75	24	0		
3	QPSK	1	14	22.58	22.79	22.68				
3	QPSK	8	0	22.82	22.73	22.75				
3	QPSK	8	4	22.79	22.79	22.72	24	0		
3	QPSK	8	7	22.71	22.72	22.70				
3	QPSK	8	14	22.75	22.73	22.70				
3	16QAM	1	0	23.14	23.03	23.09	24	0		
3	16QAM	1	8	23.05	23.01	23.09				
3	16QAM	8	0	22.45	22.37	22.41				
3	16QAM	8	4	22.43	22.44	22.44	24	0		
3	16QAM	14	0	22.43	22.39	22.43				
3	16QAM	16	0	22.37	22.38	22.37				
3	16QAM	1	0	22.61	22.69	22.63	24	0		
3	16QAM	8	0	22.80	22.90	22.94				
3	16QAM	1	8	22.78	22.73	22.71				
3	16QAM	8	0	22.45	22.39	22.40				
3	16QAM	8	4	22.38	22.38	22.38	24	0		
3	16QAM	8	7	22.33	22.28	22.38				
3	16QAM	16	0	22.22	22.26	22.22				
3	256QAM	1	0	19.02	19.13	19.02				
3	256QAM	1	8	18.96	19.05	19.07	20	4		
3	256QAM	14	0	18.97	19.10	19.00				
3	256QAM	8	0	18.88	18.93	18.84				
3	256QAM	8	4	18.78	18.78	18.78	20	4		
3	256QAM	7	0	18.73	18.87	18.72				
3	256QAM	15	0	18.72	18.82	18.70				



Band 7 Ant0 DS12 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up time (sec)	MPE (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	23.37	23.53	23.45			
20	QPSK	1	49	23.42	23.58	23.50	24	0	
20	QPSK	1	99	23.44	23.50	23.43			
20	QPSK	50	0	23.39	23.47	23.46			
20	QPSK	50	24	23.35	23.45	23.41	24	0	
20	QPSK	50	50	23.42	23.33	23.45			
20	QPSK	100	0	23.41	23.48	23.45			
20	QPSK	100	0	23.50	23.48	23.41			
20	16QAM	1	49	23.28	23.48	23.21	24	0	
20	16QAM	1	99	23.28	23.18	23.29			
20	16QAM	1	99	23.37	23.34	23.50			
20	16QAM	50	24	22.84	22.77	22.98	24	0	
20	16QAM	50	50	22.82	22.86	22.84			
20	16QAM	100	0	22.81	22.85	22.81			
20	64QAM	1	0	22.97	23.45	22.50			
20	64QAM	1	49	22.83	23.34	22.42	24	0	
20	64QAM	1	99	23.37	23.34	23.50			
20	64QAM	50	0	22.86	22.59	22.78			
20	64QAM	50	24	22.83	22.79	22.82	24	0	
20	64QAM	50	50	22.82	22.87	22.82			
20	64QAM	100	0	22.79	22.83	22.80			
20	256QAM	1	49	19.53	19.60	19.45	20	4	
20	256QAM	1	99	19.43	19.66	19.51			
20	256QAM	50	24	19.47	19.59	19.50			
20	256QAM	50	24	19.18	19.28	19.45	20	4	
20	256QAM	50	50	19.26	19.23	19.28			
20	256QAM	100	0	19.26	19.23	19.26			
Channel									
Frequency (MHz)									
15	QPSK	1	0	23.21	23.48	23.30			
15	QPSK	1	31	23.23	23.34	23.30	24	0	
15	QPSK	1	74	23.35	23.43	23.41			
15	QPSK	50	0	23.30	23.38	23.34			
15	QPSK	50	24	23.19	23.38	23.38	24	0	
15	QPSK	36	39	23.28	23.18	23.42			
15	QPSK	75	0	23.34	23.46	23.40			
15	16QAM	1	0	23.40	23.41	23.34			
15	16QAM	1	37	23.15	23.30	23.03	24	0	
15	16QAM	1	74	23.27	23.29	23.12			
15	16QAM	36	0	22.56	22.60	22.61			
15	16QAM	36	20	22.57	22.70	22.68	24	0	
15	16QAM	36	39	22.56	22.72	22.72			
15	16QAM	75	0	22.64	22.81	22.69			
15	64QAM	1	0	23.36	23.41	23.35			
15	64QAM	1	74	23.33	23.30	23.30	24	0	
15	64QAM	36	0	22.63	22.58	22.61			
15	64QAM	36	20	22.72	22.71	22.78	24	0	
15	64QAM	36	39	22.72	22.77	22.81			
15	64QAM	75	0	22.82	22.72	22.73			
15	256QAM	1	37	19.43	19.64	19.47	20	4	
15	256QAM	1	74	19.50	19.63	19.51			
15	256QAM	36	0	19.35	19.38	19.35			
15	256QAM	36	20	19.15	19.25	19.41	20	4	
15	256QAM	36	39	19.18	19.17	19.27			
15	256QAM	75	0	19.18	19.20	19.23			
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.03	23.10	23.06			
10	QPSK	1	5	23.07	23.05	23.05			
10	QPSK	1	25	23.38	23.34	23.48	24	0	
10	QPSK	1	49	23.43	23.34	23.38			
10	QPSK	25	0	23.40	23.36	23.39			
10	QPSK	25	12	23.38	23.38	23.21	24	0	
10	QPSK	25	25	23.42	23.15	23.27			
10	QPSK	36	39	23.32	23.38	23.35			
10	16QAM	1	0	23.33	23.29	23.35			
10	16QAM	1	25	23.28	23.41	23.20	24	0	
10	16QAM	25	0	22.71	22.73	22.60			
10	16QAM	25	12	22.76	22.74	22.68	24	0	
10	16QAM	25	24	22.70	22.91	22.84			
10	16QAM	50	0	22.63	22.75	22.74			
10	64QAM	1	0	23.36	23.39	23.35			
10	64QAM	1	24	23.34	23.27	23.40	24	0	
10	64QAM	1	49	23.34	23.15	23.49			
10	64QAM	25	0	22.47	22.43	22.69			
10	64QAM	25	12	22.65	22.67	22.77	24	0	
10	64QAM	25	25	22.63	22.68	22.72			
10	64QAM	50	0	22.71	22.63	22.75			
10	256QAM	1	5	19.46	19.60	19.51			
10	256QAM	1	25	19.43	19.60	19.46	20	4	
10	256QAM	1	49	19.41	19.63	19.44			
10	256QAM	25	0	19.31	19.40	19.15			
10	256QAM	25	12	19.23	19.22	19.42	20	4	
10	256QAM	25	25	19.28	19.24	19.20			
10	256QAM	50	0	19.19	19.20	19.23			

Band 12 Ant0 DS12 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turnup time (sec)	MPE (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.63	22.76	22.67			
10	QPSK	1	25	22.69	22.68	22.64	24	0	
10	QPSK	1	49	22.61	22.62	22.61			
10	QPSK	25	0	22.64	22.75	22.62			
10	QPSK	25	12	22.59	22.58	22.72	24	0	
10	QPSK	25	25	22.70	22.67	22.71			
10	QPSK	50	0	22.70	22.75	22.72			
10	16QAM	1	0	22.59	22.57	22.59			
10	16QAM	1	25	22.59	22.47	22.50	24	0	
10	16QAM	1	49	22.51	22.47	22.59			
10	16QAM	25	0	22.49	22.53	22.49			
10	16QAM	25	12	22.64	22.70	22.65	24	0	
10	16QAM	25	25	22.62	22.61	22.66			
10	16QAM	50	0	22.52	22.64	22.49			
10	64QAM	1	0	22.51	22.59	22.61			
10	64QAM	1	25	22.50	22.48	22.51	24	0	
10	64QAM	1	49	22.62	22.57	22.65			
10	64QAM	25	0	22.63	22.56	22.46			
10	64QAM	25	12	22.62	22.70	22.65	24	0	
10	64QAM	25	25	22.52	22.64	22.49			
10	64QAM	50	0	22.59	22.62	22.59			
10	256QAM	1	0	19.06	19.25	19.31	20	4	
10	256QAM	1	25	19.10	19.27	19.18			
10	256QAM	1	49	19.02	19.28	19.05			
10	256QAM	25	0	18.99	19.03	19.01			
10	256QAM	25	12	18.94	18.85	19.00	20	4	
10	256QAM	25	25	18.86	18.77	18.88			
10	256QAM	50	0	19.13	18.99	19.02			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.50	22.57	22.54			
5	QPSK	1	12	22.62	22.53	22.60	24	0	
5	QPSK	1	24	22.58	22.60	22.40			
5	QPSK	12	0	22.63	22.62	22.46			
5	QPSK	12	7	22.49	22.54	22.68	24	0	
5	QPSK	12	13	22.63	22.54	22.57			
5	QPSK	25	0	22.60	22.74	22.56			
5	16QAM	1	0	22.49	22.41	22.51			
5	16QAM	1	12	22.32	22.28	22.40	24	0	
5	16QAM	1	19	22.48	22.37	22.37			
5	16QAM	12	0	22.48	22.42	22.48			
5	16QAM	12	7	22.54	22.69	22.42	24	0	
5	16QAM	25	0	22.59	22.58	22.50			
5	64QAM	1	0	22.63	22.42	22.57	24	0	
5	64QAM	1	12	22.49	22.43	22.49			
5	64QAM	1	24	22.35	22.35	22.30			
5	64QAM	12	0	22.60	22.46	22.30			
5	64QAM	12	7	22.42	22.63	22.46	24	0	
5	64QAM	12	13	22.42	22.42	22.38			
5	64QAM	25	0	22.61	22.68	22.49			
5	256QAM	1	0	19.02	19.17	19.27	20	4	
5	256QAM	1	12	19.07	19.25	19.05			
5	256QAM	1	24	18.95	19.28	19.08			
5	256QAM	12	0	18.83	18.81	18.99	20	4	
5	256QAM	12	13	18.74	18.74	18.85			
5	256QAM	25	0	19.12	19.12	19.12			
Channel									
Frequency (MHz)									
3	QPSK	1	0	22.47	22.43	22.47			
3	QPSK	1	8	22.55	22.48	22.62	24	0	
3	QPSK	1	14	22.52	22.52	22.48			
3	QPSK	8	0	22.63	22.46	22.46			
3	QPSK	8	4	22.47	22.48	22.71	24	0	
3	QPSK	8	7	22.64	22.51	22.63			
3	16QAM	1	0	22.47	22.45	22.49			
3	16QAM	1	8	22.58	22.61	22.62	24	0	
3	16QAM	1	14	22.37	22.43	22.48			
3	16QAM	1	21	22.45	22.38	22.39	24	0	
3	16QAM	1	24	22.45	22.42	22.44			
3	16QAM	8	0	22.39	22.49	22.41			
3	16QAM	8	4	22.52	22.52	22.48	24	0	
3	16QAM	8	7	22.43	22.53	22.51			
3	16QAM	16	0	22.45	22.48	22.50			
3	16QAM	16	8	22.48	22.53	22.48	24	0	
3	16QAM	16	16	22.32	22.38	22.54			
3	16QAM	1	14	22.36	22.44	22.38			
3	16QAM	8	4	22.45	22.43	22.45	24	0	
3	16QAM	8	4	22.57	22.50	22.57			
3	16QAM	8	7	22.38	22.41	22.42			
3	256QAM	1	0	19.06	19.19	19.26	20	4	
3	256QAM	1	8	18.99	19.17	19.02			
3	256QAM	1	14	18.92	19.20	19.07			
3	256QAM	8	0	18.79	19.05	18.86	20	4	
3	256QAM	8	4	18.76	18.81	18.99			
3	256QAM	8	7	18.71	18.71	18.82	20	4	
3	256QAM	16	0	19.16	18.85	18.81			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	22.62	22.59	22.73			
1.4	QPSK	1	3	22.56	22.65	22.61			
1.4	QPSK	1	6	22.63	22.56	22.62	24	0	
1.4	QPSK	3	0	22.58	22.67	22.61			
1.4	QPSK	3	3	22.47	22.49	22.56			
1.4	QPSK	3	6	22.53	22.54	22.59	24	0	
1.4	QPSK	6	0	22.58	22.63	22.61			
1.4	16QAM	1	0	22.49	22.54	22.52			
1.4	16QAM	1	3	22.45	22.45	22.43	24	0	
1.4	16QAM	1	6	22.49	22.38	22.46			
1.4	16QAM	3	0	22.31	22.33	22.48			
1.4	16QAM	3	3	22.45	22.44	22.43	24	0	
1.4	16QAM	3	6	22.44	22.50	22.45			
1.4	16QAM	6	0	22.36	22.56	22.63	28	0	
1.4	16QAM	6	3	22.54	22.54	22.44			
1.4	16QAM	6	6	22.48	22.39	22.37			
1.4	16QAM	1	3	22.25	22.53	22.40	24	0	
1.4	16QAM	1	6	22.42	22.42	22.40			
1.4	16QAM	3	0	22.59	22.68	22.62	24	0	
1.4	16QAM	3	3	22.48	22.42	22.53			
1.4	16QAM	3	6	22.42	22.42	22.40	24	0	
1.4	256QAM	1	0	19.07	19.16	19.25	20	4	
1.4	256QAM	1	3	19.00	19.19	19.08			
1.4	256QAM	1	6	18.92	19.20	19.07			
1.4	256QAM	3	0	18.84	18.96	18.95	20	4	
1.4	256QAM	3	3	18.82	18.88	18.94			
1.4	256QAM	3	6	18.76	18.76	18.86	20	4	
1.4	256QAM	6	0	19.13	18.80	18.87			

Band 2 Ant1 DS2 Standalone									
SR Band	Modulation	SR Size	SR Offset	Power Ch. 1/Freq	Power Ch. 2/Freq	Power Ch. 3/Freq	Forward Rate (Mbps)	SRPS (dB)	SRPS (dB)
Channel									
Frequency (MHz)									
20	QPSK	1	0	16.80	17.04	16.80	17.9	0	
20	QPSK	1	64	16.81	16.80	17.00	17.9	0	
20	QPSK	1	128	16.80	16.84	16.80	17.9	0	
20	QPSK	50	0	16.86	17.00	16.86	17.9	0	
20	QPSK	50	24	16.89	16.91	16.96	17.9	0	
20	QPSK	50	48	16.78	16.84	16.80	17.9	0	
20	QPSK	100	0	16.75	16.87	16.82	17.9	0	
20	16QAM	1	0	16.82	16.80	16.80	17.9	0	
20	16QAM	1	64	16.83	16.85	16.82	17.9	0	
20	16QAM	50	0	16.82	16.86	16.86	17.9	0	
20	16QAM	50	24	16.82	16.81	16.80	17.9	0	
20	16QAM	50	48	16.77	16.80	16.80	17.9	0	
20	16QAM	100	0	16.81	16.86	16.84	17.9	0	
20	64QAM	1	0	16.87	16.88	16.90	17.9	0	
20	64QAM	1	64	16.82	16.82	16.78	17.9	0	
20	64QAM	1	128	16.75	16.80	16.82	17.9	0	
20	64QAM	50	0	16.83	16.86	16.84	17.9	0	
20	64QAM	50	24	16.87	16.88	16.90	17.9	0	
20	64QAM	50	48	16.82	16.82	16.78	17.9	0	
20	64QAM	100	0	16.75	16.80	16.82	17.9	0	
20	256QAM	1	0	16.87	16.88	16.90	17.9	0	
20	256QAM	1	64	16.84	16.83	16.81	17.9	0	
20	256QAM	1	128	16.87	16.86	16.85	17.9	0	
20	256QAM	50	0	16.71	16.82	16.80	17.9	0	
20	256QAM	50	24	16.82	16.80	16.80	17.9	0	
20	256QAM	50	48	16.82	16.80	16.84	17.9	0	
20	256QAM	100	0	16.77	16.84	16.83	17.9	0	
20	256QAM	100	0	16.78	16.85	16.86	17.9	0	
Channel									
Frequency (MHz)									
16	QPSK	1	0	16.71	16.84	16.77	17.9	0	
16	QPSK	1	64	16.87	16.86	16.86	17.9	0	
16	QPSK	1	128	16.75	16.78	16.86	17.9	0	
16	QPSK	50	0	16.71	16.81	16.85	17.9	0	
16	QPSK	50	24	16.79	16.86	16.84	17.9	0	
16	QPSK	50	48	16.75	16.75	16.80	17.9	0	
16	QPSK	75	0	16.61	16.86	16.76	17.9	0	
16	16QAM	1	0	16.87	16.82	16.84	17.9	0	
16	16QAM	1	64	16.78	16.87	16.77	17.9	0	
16	16QAM	1	128	16.75	16.88	16.82	17.9	0	
16	16QAM	50	0	16.80	16.73	16.75	17.9	0	
16	16QAM	50	24	16.81	16.82	16.80	17.9	0	
16	16QAM	50	48	16.83	16.78	16.80	17.9	0	
16	16QAM	75	0	16.72	16.81	16.86	17.9	0	
16	64QAM	1	0	16.76	16.82	16.76	17.9	0	
16	64QAM	1	64	16.79	16.82	16.74	17.9	0	
16	64QAM	1	128	16.61	16.85	16.74	17.9	0	
16	64QAM	50	0	16.86	16.87	16.76	17.9	0	
16	64QAM	50	24	16.76	16.83	16.82	17.9	0	
16	64QAM	50	48	16.77	16.77	16.78	17.9	0	
16	64QAM	75	0	16.71	16.77	16.87	17.9	0	
16	256QAM	1	0	16.87	16.71	16.78	17.9	0	
16	256QAM	1	64	16.86	16.73	16.78	17.9	0	
16	256QAM	1	128	16.86	16.73	16.80	17.9	0	
16	256QAM	50	0	16.74	16.85	16.86	17.9	0	
16	256QAM	50	24	16.80	16.78	16.77	17.9	0	
16	256QAM	50	48	16.82	16.79	16.84	17.9	0	
16	256QAM	75	0	16.82	16.87	16.79	17.9	0	
16	256QAM	75	0	16.86	16.75	16.85	17.9	0	
Channel									
Frequency (MHz)									
16	QPSK	1	0	16.76	16.85	16.80	17.9	0	
16	QPSK	1	64	16.87	16.78	16.80	17.9	0	
16	QPSK	1	128	16.76	16.78	16.84	17.9	0	
16	QPSK	50	0	16.74	16.87	16.83	17.9	0	
16	QPSK	50	24	16.82	16.80	16.80	17.9	0	
16	QPSK	50	48	16.72	16.87	16.78	17.9	0	
16	QPSK	100	0	16.61	16.81	16.81	17.9	0	
16	16QAM	1	0	16.73	16.77	16.82	17.9	0	
16	16QAM	1	64	16.75	16.75	16.78	17.9	0	
16	16QAM	1	128	16.75	16.84	16.88	17.9	0	
16	16QAM	50	0	16.78	16.83	16.78	17.9	0	
16	16QAM	50	24	16.77	16.78	16.80	17.9	0	
16	16QAM	50	48	16.75	16.86	16.78	17.9	0	
16	16QAM	75	0	16.69	16.86	16.78	17.9	0	
16	64QAM	1	0	16.80	16.80	16.86	17.9	0	
16	64QAM	1	64	16.78	16.83	16.75	17.9	0	
16	64QAM	1	128	16.63	16.83	16.71	17.9	0	
16	64QAM	50	0	16.78	16.87	16.80	17.9	0	
16	64QAM	50	24	16.81	16.72	16.81	17.9	0	
16	64QAM	50	48	16.80	16.87	16.80	17.9	0	
16	64QAM	100	0	16.76	16.82	16.82	17.9	0	
16	256QAM	1	0	16.77	16.72	16.80	17.9	0	
16	256QAM	1	12	16.74	16.77	16.75	17.9	0	
16	256QAM	1	24	16.81	16.79	16.80	17.9	0	
16	256QAM	12	0	16.86	16.72	16.80	17.9	0	
16	256QAM	12	13	16.72	16.85	16.86	17.9	0	
16	256QAM	25	0	16.87	16.76	16.86	17.9	0	
Channel									
Frequency (MHz)									
5	QPSK	1	0	16.78	16.84	16.76	17.9	0	
5	QPSK	1	64	16.77	16.80	16.80	17.9	0	
5	QPSK	1	128	16.75	16.88	16.80	17.9	0	
5	QPSK	12	0	16.77	16.87	16.80	17.9	0	
5	QPSK	12	7	16.81	16.78	16.80	17.9	0	
5	QPSK	12	13	16.70	16.77	16.74	17.9	0	
5	QPSK	25	0	16.66	16.83	16.73	17.9	0	
5	16QAM	1	0	16.87	16.84	16.80	17.9	0	
5	16QAM	1	64	16.75	16.77	16.82	17.9	0	
5	16QAM	1	128	16.75	16.80	16.86	17.9	0	
5	16QAM	1	24	16.75	16.86	16.86	17.9	0	
5	16QAM	1	48	16.87	16.82	16.80	17.9	0	
5	16QAM	25	0	16.81	16.72	16.81	17.9	0	
5	16QAM	25	12	16.80	16.87	16.80	17.9	0	
5	16QAM	12	13	16.82	16.82	16.83	17.9	0	
5	16QAM	25	0	16.84	16.75	16.82	17.9	0	
5	256QAM	1	0	16.77	16.82	16.80	17.9	0	
5	256QAM	1	12	16.74	16.77	16.75	17.9	0	
5	256QAM	1	24	16.81	16.79	16.80	17.9	0	
5	256QAM	12	0	16.86	16.72	16.80	17.9	0	
5	256QAM	12	13	16.72	16.85	16.86	17.9	0	
5	256QAM	25	0	16.87	16.76	16.86	17.9	0	
Channel									
Frequency (MHz)									
3	QPSK	1	0	16.79	16.82	16.71	17.9	0	
3	QPSK	1	64	16.86	16.74	16.82	17.9	0	
3	QPSK	1	128	16.74	16.80	16.80	17.9	0	
3	QPSK	6	0	16.75	16.84	16.80	17.9	0	
3	QPSK	6	7	16.86	16.76	16.76	17.9	0	
3	QPSK	15	0	16.67	16.85	16.76	17.9	0	
3	16QAM	1	0	16.74	16.83	16.82	17.9	0	
3	16QAM	1	64	16.74	16.80	16.82	17.9	0	
3	16QAM	1	128	16.74	16.82	16.81	17.9	0	
3	16QAM	6	0	16.74	16.75	16.86	17.9	0	
3	16QAM	6	7	16.87	16.83	16.73	17.9	0	
3	16QAM	15	0	16.70	16.78	16.89	17.9	0	
3	64QAM	1	0	16.80	16.80	16.80	17.9	0	
3	64QAM	1	64	16.78	16.83	16.75	17.9	0	
3	64QAM	1	128	16.63	16.83	16.71	17.9	0	
3	64QAM	6	0	16.78	16.87	16.80	17.9	0	
3	64QAM	6	7	16.72	16.76	16.80	17.9	0	
3	64QAM	15	0	16.77	16.76	16.76	17.9	0	
3	256QAM	1	0	16.77	16.80	16.80	17.9	0	
3	256QAM	1	64	16.75	16.75	16.75	17.9	0	
3	256QAM	1	128	16.75	16.82	16.82	17.9	0	
3	256QAM	6	0	16.70	16.79	16.86	17.9	0	
3	256QAM	6	7	16.80	16.76	16.82	17.9	0	
3	256QAM	15	0	16.84	16.80	16.80	17.9	0	
Channel									
Frequency (MHz)									
14	QPSK	1	0	16.74	16.82	16.70	17.9	0	
14	QPSK	1	64	16.83	16.77	16.84	17.9	0	
14	QPSK	1	128	16.74	16.78	16.84	17.9	0	
14	QPSK	50	0	16.80	16.80	16.80	17.9	0	
14	QPSK	50	24	16.79	16.80	16.81	17.9	0	
14	QPSK	50	48	16.70	16.80	16.81	17.9	0	
14	QPSK	75	0	16.61	16.86	16.76	17.9	0	
14	16QAM	1	0	16.81	16.76	16.80	17.9	0	
14	16QAM	1	64	16.74	16.80	16.80	17.9	0	
14	16QAM	1	128	16.74	16.82	16.82	17.9	0	
14	16QAM	50	0	16.78	16.83	16.78	17.9	0	
14	16QAM	50	24	16.77	16.82	16.77	17.9	0	
14	16QAM	50	48	16.73	16.82	16.82	17.9	0	
14	16QAM	75	0	16.69	16.76	16.86	17.9	0	
14	64QAM	1	0	16.77	16.80	16.80	17.9	0	
14	64QAM	1	64	16.75	16.75	16.75	17.9	0	
14	64QAM	1	128	16.75	16.82	16.82	17.9	0	
14	64QAM	50	0	16.80	16				

Band 7 Ant1 DS12 Standalone									
RF Band	Modulation	PRB Size	PRB Offset	Power Cat. 1 / Power Cat. 2 / Power Cat. 3	Power Cat. 1 / Power Cat. 2 / Power Cat. 3	Power Cat. 1 / Power Cat. 2 / Power Cat. 3	Time-to-init (ms)	APPS (k/s)	
Channel									
Frequency (MHz)									
25	QPSK	1	0	17.43	17.55	17.78			
25	QPSK	1	49	17.38	17.44	17.51	18.5	0	
25	QPSK	1	98	17.28	17.45	17.45			
25	QPSK	50	0	17.38	17.51	17.44			
25	QPSK	50	24	17.40	17.42	17.50	18.5	0	
25	QPSK	50	25	17.51	17.42	17.24			
25	QPSK	100	0	17.25	17.46	17.29			
25	16QAM	1	0	17.45	17.44	17.45	18.5	0	
25	16QAM	1	49	17.35	17.47	17.47			
25	16QAM	1	98	17.35	17.45	17.47			
25	16QAM	50	0	17.42	17.48	17.40			
25	16QAM	50	24	17.48	17.48	17.47	18.5	0	
25	16QAM	50	25	17.25	17.45	17.44			
25	16QAM	100	0	17.35	17.37	17.39			
25	16QAM	1	0	17.34	17.44	17.45			
25	16QAM	1	49	17.42	17.24	17.25	18.5	0	
25	16QAM	1	98	17.25	17.41	17.35			
25	16QAM	50	0	17.39	17.27	17.24			
25	16QAM	50	24	17.25	17.26	17.44	18.5	0	
25	16QAM	50	25	17.37	17.45	17.36			
25	16QAM	100	0	17.23	17.36	17.29			
Channel									
Frequency (MHz)									
15	QPSK	1	0	17.32	17.50	17.29	Time-to-init (ms)	APPS (k/s)	
15	QPSK	1	24	17.37	17.50	17.29	18.5	0	
15	QPSK	1	74	17.19	17.33	17.35			
15	QPSK	36	0	17.28	17.42	17.38			
15	QPSK	36	25	17.25	17.32	17.39	18.5	0	
15	QPSK	36	25	17.25	17.23	17.25			
15	QPSK	75	0	17.12	17.38	17.21			
15	16QAM	1	0	17.24	17.25	17.40	18.5	0	
15	16QAM	1	24	17.25	17.25	17.28			
15	16QAM	1	74	17.23	17.31	17.42			
15	16QAM	36	0	17.24	17.42	17.29			
15	16QAM	36	25	17.25	17.25	17.28	18.5	0	
15	16QAM	36	25	17.17	17.25	17.37			
15	16QAM	75	0	17.19	17.27	17.31			
15	16QAM	1	0	17.24	17.25		18.5	0	
15	16QAM	1	24	17.25	17.25				
15	16QAM	1	74	17.19	17.25	17.35			
15	16QAM	36	0	17.23	17.22	17.23			
15	16QAM	36	25	17.24	17.25	17.25	18.5	0	
15	16QAM	36	25	17.22	17.25	17.25			
15	16QAM	75	0	17.25	17.25	17.25			
Channel									
Frequency (MHz)									
10	QPSK	1	0	17.35	17.42	17.24	Time-to-init (ms)	APPS (k/s)	
10	QPSK	1	24	17.31	17.35	17.37	18.5	0	
10	QPSK	1	49	17.13	17.40	17.30			
10	QPSK	25	0	17.25	17.48	17.39			
10	QPSK	25	12	17.25	17.37	17.37	18.5	0	
10	QPSK	25	12	17.38	17.28	17.26			
10	QPSK	50	0	17.21	17.37	17.24			
10	16QAM	1	0	17.25	17.27	17.28	18.5	0	
10	16QAM	1	49	17.23	17.37	17.37			
10	16QAM	25	0	17.24	17.40	17.29			
10	16QAM	25	12	17.25	17.35	17.25	18.5	0	
10	16QAM	25	12	17.35	17.35	17.25			
10	16QAM	50	0	17.23	17.35	17.25			
10	16QAM	50	12	17.25	17.35	17.25	18.5	0	
10	16QAM	50	12	17.35	17.35	17.25			
10	16QAM	100	0	17.23	17.37	17.37			
10	16QAM	1	0	17.25	17.25	17.25	18.5	0	
10	16QAM	1	49	17.18	17.19	17.27			
10	16QAM	25	0	17.25	17.25	17.25			
10	16QAM	25	12	17.25	17.25	17.25	18.5	0	
10	16QAM	25	12	17.35	17.35	17.25			
10	16QAM	50	0	17.25	17.25	17.25			
10	16QAM	50	12	17.25	17.25	17.25	18.5	0	
10	16QAM	50	12	17.35	17.35	17.25			
10	16QAM	100	0	17.23	17.37	17.37			
10	16QAM	1	0	17.25	17.25	17.25	18.5	0	
10	16QAM	1	49	17.18	17.19	17.27			
10	16QAM	25	0	17.25	17.25	17.25			
10	16QAM	25	12	17.25	17.25	17.25	18.5	0	
10	16QAM	25	12	17.35	17.35	17.25			
10	16QAM	50	0	17.25	17.25	17.25			
10	16QAM	50	12	17.25	17.25	17.25	18.5	0	
10	16QAM	50	12	17.35	17.35	17.25			
10	16QAM	100	0	17.23	17.37	17.37			
10	16QAM	1	0	17.25	17.25	17.25	18.5	0	
10	16QAM	1	49	17.18	17.19	17.27			
10	16QAM	25	0	17.25	17.25	17.25			
10	16QAM	25	12	17.25	17.25	17.25	18.5	0	
10	16QAM	25	12	17.35	17.35	17.25			
10	16QAM	50	0	17.25	17.25	17.25			
10	16QAM	50	12	17.25	17.25	17.25	18.5	0	
10	16QAM	50	12	17.35	17.35	17.25			
10	16QAM	100	0	17.23	17.37	17.37			
10	16QAM	1	0	17.25	17.25	17.25	18.5	0	
10	16QAM	1	49	17.18	17.19	17.27			
10	16QAM	25	0	17.25	17.25	17.25			
10	16QAM	25	12	17.25	17.25	17.25	18.5	0	
10	16QAM	25	12	17.35	17.35	17.25			
10	16QAM	50	0	17.25	17.25	17.25			
10	16QAM	50	12	17.25	17.25	17.25	18.5	0	
10	16QAM	50	12	17.35	17.35	17.25			
10	16QAM	100	0	17.23	17.37	17.37			
10	16QAM	1	0	17.25	17.25	17.25	18.5	0	
10	16QAM	1	49	17.18	17.19	17.27			
10	16QAM	25	0	17.25	17.25	17.25			
10	16QAM	25	12	17.25	17.25	17.25	18.5	0	
10	16QAM	25	12	17.35	17.35	17.25			
10	16QAM	50	0	17.25	17.25	17.25			
10	16QAM	50	12	17.25	17.25	17.25	18.5	0	
10	16QAM	50	12	17.35	17.35	17.25			
10	16QAM	100	0	17.23	17.37	17.37			
10	16QAM	1	0	17.25	17.25	17.25	18.5	0	
10	16QAM	1	49	17.18	17.19	17.27			
10	16QAM	25	0	17.25	17.25	17.25			
10	16QAM	25	12	17.25	17.25	17.25	18.5	0	
10	16QAM	25	12	17.35	17.35	17.25			
10	16QAM	50	0	17.25	17.25	17.25			
10	16QAM	50	12	17.25	17.25	17.25	18.5	0	
10	16QAM	50	12	17.35	17.35	17.25			
10	16QAM	100	0	17.23	17.37	17.37			
10	16QAM	1	0	17.25	17.25	17.25	18.5	0	
10	16QAM	1	49	17.18	17.19	17.27			
10	16QAM	25	0	17.25	17.25	17.25			
10	16QAM	25	12	17.25	17.25	17.25	18.5	0	
10	16QAM	25	12	17.35	17.35	17.25			
10	16QAM	50	0	17.25	17.25	17.25			
10	16QAM	50	12	17.25	17.25	17.25	18.5	0	
10	16QAM	50	12	17.35	17.35	17.25			
10	16QAM	100	0	17.23	17.37	17.37			
10	16QAM	1	0	17.25	17.25	17.25	18.5	0	
10	16QAM	1	49	17.18	17.19	17.27			
10	16QAM	25	0	17.25	17.25	17.25			
10	16QAM	25	12	17.25	17.25	17.25	18.5	0	
10	16QAM	25	12	17.35	17.35	17.25			
10	16QAM	50	0	17.25	17.25	17.25			
10	16QAM	50	12	17.25	17.25	17.25	18.5	0	
10	16QAM	50	12	17.35	17.35	17.25			
10	16QAM	100	0	17.23	17.37	17.37			
10	16QAM	1	0	17.25	17.25	17.25	18.5	0	
10	16QAM	1	49	17.18	17.19	17.27			
10	16QAM	25	0	17.25	17.25	17.25			
10	16QAM	25	12	17.25	17.25	17.25	18.5	0	
10	16QAM	25	12	17.35	17.35	17.25			
10	16QAM	50	0	17.25	17.25	17.25			
10	16QAM	50	12	17.25	17.25	17.25	18.5	0	
10	16QAM	50	12	17.35	17.35	17.25			
10	16QAM	100	0	17.23	17.37	17.37			
10	16QAM	1	0	17.25	17.25	17.25	18.5	0	
10	16QAM	1	49	17.18	17.19	17.27			
10	16QAM	25	0	17.25	17.25	17.25			
10	16QAM	25	12	17.25	17.25	17.25	18.5	0	
10	16QAM	25	12	17.35	17.35	17.25			
10	16QAM	50	0	17.25	17.25	17.25			
10	16QAM	50	12	17.25	17.25	17.25	18.5	0	
10	16QAM	50	12	17.35	17.35	17.25			
10	16QAM	100	0	17.23	17.37	17.37			
10	16QAM	1	0	17.25	17.25	17.25	18.5	0	
10	16QAM	1	49	17.18	17.19	17.27			
10	16QAM	25	0	17.25	17.25	17.25			
10	16QAM	25	12	17.25	17.25	17.25	18.5	0	
10	16QAM	25	12	17.35	17.35	17.25			
10	16QAM	50	0	17.25	17.25	17.25			
10	16QAM	50	12	17.25	17.25	17.25	18.5	0	
10	16QAM								

Band 2 Ant 1 DS2 Simultaneous												
RF Chain	Mixer/Mod	FSK Rate	FSK Offset	Power Level	Time Offset	Modulation	Carrier Frequency	Channel Bandwidth	Time Offset	Time Offset	Time Offset	Time Offset
Channel												
Frequency (MHz)												
20	GPSPK	1	0	16.00	15.10	15.00						
20	GPSPK	1	48	16.00	15.00	15.11					16.0	0
20	GPSPK	1	96	16.00	15.01	15.00						
20	GPSPK	50	0	16.00	15.10	15.00						
20	GPSPK	50	24	16.00	15.07	15.07						
20	GPSPK	50	50	16.00	15.04	15.04						
20	GPSPK	50	75	16.00	15.01	15.01						
20	GPSPK	1	0	15.99	15.03	15.00						
20	SGPAM	1	48	16.02	15.06	15.06						0
20	SGPAM	1	96	16.00	15.00	15.04						
20	SGPAM	50	0	16.00	15.00	15.00						
20	SGPAM	50	24	16.00	15.07	15.07						
20	SGPAM	50	50	16.00	15.02	15.01						
20	SGPAM	50	75	16.00	15.00	15.00						
20	SGPAM	1	0	15.99	15.01	15.00						
20	SGPAM	1	48	16.02	15.01	15.02						
20	SGPAM	1	96	16.00	15.00	15.04						
20	SGPAM	50	0	15.99	15.00	15.00						
20	SGPAM	50	24	15.98	15.07	15.04						
20	SGPAM	50	50	15.97	15.03	15.01						
20	SGPAM	50	75	15.99	15.00	15.00						
20	SGPAM	100	0	15.97	15.01	15.04						
Channel												
Frequency (MHz)												
15	GPSPK	1	0	15.96	15.10	15.00					16.0	0
15	GPSPK	1	37	15.98	15.01	15.01						
15	GPSPK	1	74	15.92	15.00	15.07						
15	GPSPK	1	111	15.93	15.00	15.07						
15	GPSPK	50	0	15.99	15.01	15.00						
15	GPSPK	50	37	15.92	15.00	15.07						
15	GPSPK	50	74	15.90	15.01	15.07						
15	SGPAM	1	0	15.98	15.03	15.01						
15	SGPAM	1	37	15.78	15.00	15.50						0
15	SGPAM	1	74	15.91	15.00	15.00						
15	SGPAM	1	111	15.93	15.00	15.00						
15	SGPAM	50	0	15.99	15.00	15.00						
15	SGPAM	50	37	15.96	15.07	15.00						
15	SGPAM	50	74	15.90	15.00	15.00						
15	SGPAM	1	0	15.96	15.00	15.00						
15	SGPAM	1	37	15.98	15.04	15.01						
15	SGPAM	1	74	15.91	15.00	15.00						
15	SGPAM	1	111	15.93	15.00	15.00						
15	SGPAM	50	0	15.99	15.00	15.00						
15	SGPAM	50	37	15.96	15.07	15.00						
15	SGPAM	50	74	15.90	15.00	15.00						
15	SGPAM	1	0	15.96	15.00	15.00						
15	SGPAM	1	37	15.98	15.04	15.01						
15	SGPAM	1	74	15.91	15.00	15.00						
15	SGPAM	1	111	15.93	15.00	15.00						
15	SGPAM	50	0	15.99	15.00	15.00						
15	SGPAM	50	37	15.96	15.07	15.00						
15	SGPAM	50	74	15.90	15.00	15.00						
15	SGPAM	1	0	15.96	15.00	15.00						
15	SGPAM	1	37	15.98	15.04	15.01						
15	SGPAM	1	74	15.91	15.00	15.00						
15	SGPAM	1	111	15.93	15.00	15.00						
15	SGPAM	50	0	15.99	15.00	15.00						
15	SGPAM	50	37	15.96	15.07	15.00						
15	SGPAM	50	74	15.90	15.00	15.00						
Channel												
Frequency (MHz)												
10	GPSPK	1	0	15.96	15.10	15.00					16.0	0
10	GPSPK	1	37	15.98	15.01	15.01						
10	GPSPK	1	74	15.92	15.00	15.07						
10	GPSPK	1	111	15.93	15.00	15.07						
10	GPSPK	50	0	15.99	15.01	15.00						
10	GPSPK	50	37	15.92	15.00	15.07						
10	GPSPK	50	74	15.90	15.01	15.07						
10	SGPAM	1	0	15.98	15.03	15.01						
10	SGPAM	1	37	15.78	15.00	15.50						0
10	SGPAM	1	74	15.91	15.00	15.00						
10	SGPAM	1	111	15.93	15.00	15.00						
10	SGPAM	50	0	15.99	15.00	15.00						
10	SGPAM	50	37	15.96	15.07	15.00						
10	SGPAM	50	74	15.90	15.00	15.00						
10	SGPAM	1	0	15.96	15.00	15.00						
10	SGPAM	1	37	15.98	15.04	15.01						
10	SGPAM	1	74	15.91	15.00	15.00						
10	SGPAM	1	111	15.93	15.00	15.00						
10	SGPAM	50	0	15.99	15.00	15.00						
10	SGPAM	50	37	15.96	15.07	15.00						
10	SGPAM	50	74	15.90	15.00	15.00						
10	SGPAM	1	0	15.96	15.00	15.00						
10	SGPAM	1	37	15.98	15.04	15.01						
10	SGPAM	1	74	15.91	15.00	15.00						
10	SGPAM	1	111	15.93	15.00	15.00						
10	SGPAM	50	0	15.99	15.00	15.00						
10	SGPAM	50	37	15.96	15.07	15.00						
10	SGPAM	50	74	15.90	15.00	15.00						
Channel												
Frequency (MHz)												
5	GPSPK	1	0	15.96	15.10	15.00					16.0	0
5	GPSPK	1	12	15.98	15.07	15.06						
5	GPSPK	1	24	15.76	15.03	15.03						
5	GPSPK	1	36	15.73	15.00	15.00						
5	GPSPK	1	47	15.76	15.01	15.01						
5	GPSPK	12	13	15.79	15.03	15.79						
5	GPSPK	12	25	15.76	15.00	15.76						
5	GPSPK	12	37	15.73	15.00	15.73						
5	GPSPK	1	0	15.97	15.00	15.00						
5	SGPAM	1	12	15.98	15.00	15.07						0
5	SGPAM	1	24	15.76	15.03	15.03						
5	SGPAM	12	3	15.93	15.00	15.93						
5	SGPAM	12	7	15.94	15.02	15.90						
5	SGPAM	12	13	15.76	15.00	15.76						
5	SGPAM	12	25	15.73	15.00	15.73						
5	SGPAM	1	0	15.91	15.07	15.02						
5	SGPAM	1	12	15.96	15.70	15.90						0
5	SGPAM	1	24	15.76	15.03	15.03						
5	SGPAM	12	0	15.96	15.04	15.90						
5	SGPAM	12	7	15.79	15.00	15.81						
5	SGPAM	12	13	15.76	15.00	15.76						
5	SGPAM	12	25	15.73	15.00	15.73						
5	SGPAM	1	0	16.00	15.01	15.91						
5	SGPAM	1	12	15.90	15.07	15.02						0
5	SGPAM	1	24	15.76	15.00	15.76						
5	SGPAM	12	0	15.76	15.01	15.82						
5	SGPAM	12	7	16.01	15.80	15.80						
5	SGPAM	12	13	15.76	15.00	15.76						0
5	SGPAM	12	25	15.73	15.00	15.73						
5	SGPAM	25	0	15.82	15.07	15.91						
Channel												
Frequency (MHz)												
3	GPSPK	1	0	16.00	15.10	15.00						
3	GPSPK	1	8	16.01	15.04	15.06						16.0
3	GPSPK	1	16	15.83	15.00	15.11						
3	GPSPK	1	24	15.72	15.00	15.00						
3	GPSPK	8	4	15.90	15.01	15.01						
3	GPSPK	8	7	15.82	15.02	15.79						
3	GPSPK	8	15	15.72	15.00	15.72						
3	GPSPK	1	0	15.91	15.78	15.00						
3	SGPAM	1	8	16.04	15.07	15.04						0
3	SGPAM	1	16	15.80	15.00	15.00						
3	SGPAM	8	4	15.94	15.04	15.00						
3	SGPAM	8	4	15.96	15.02	15.00						
3	SGPAM	8	7	15.83	15.00	15.80						0
3	SGPAM	8	15	15.76	15.00	15.76						
3	SGPAM	1	0	15.96	15.86	15.80						
3	SGPAM	1	8	15.89	15.79	15.80						
3	SGPAM	1	16	15.82	15.00	15.00						
3	SGPAM	8	0	15.85	15.00	15.04						
3	SGPAM	8	4	15.82	15.03	15.81						
3	SGPAM	8	7	15.80	15.00	15.80						16.0
3	SGPAM	15	0	15.76	15.00	15.76						
3	SGPAM	1	0	15.91	15.00	15.97						
3	SGPAM	1	8	15.76	15.07	15.80						0
3	SGPAM	8	0	15.79	15.80	15.80						
3	SGPAM	8	4	15.86	15.84	15.87						0
3	SGPAM	8	7	15.81	15.81	15						

Band 4 Ant1 DS2 Simultaneous												
RF Input	Modulation	FEC Rate	Pilot CH	Power Level		Power Modulation		High Power	Frame Error Rate	SINR (dB)	APRIS (dB)	
				20000	20173	20000	20173					
Channel												
20	QPSK	1	0	15.81	15.80	15.80	15.73					
20	QPSK	1	40	15.42	15.43	15.43	15.51		10.0	0		
20	QPSK	1	80	15.80	15.48	15.48	15.58					
20	QPSK	1	120	15.42	15.80	15.80	15.73					
20	QPSK	30	24	15.34	15.44	15.44	15.48		10.0	0		
20	QPSK	30	30	15.51	15.82	15.81	15.41					
20	QPSK	30	60	15.32	15.42	15.42	15.44					
20	QPSK	1	0	15.39	15.37	15.37	15.50					
20	QPSK	1	40	15.49	15.36	15.42	15.40		10.0	0		
20	QPSK	1	80	15.41	15.30	15.31	15.40					
20	QPSK	1	120	15.36	15.47	15.47	15.40					
20	QPSK	30	24	15.40	15.60	15.60	15.40		10.0	0		
20	QPSK	30	30	15.46	15.43	15.43	15.50					
20	QPSK	30	60	15.35	15.43	15.43	15.43					
20	QPSK	1	0	15.38	15.43	15.43	15.48		10.0	0		
20	QPSK	1	40	15.49	15.34	15.45	15.48					
20	QPSK	1	80	15.43	15.36	15.36	15.48					
20	QPSK	1	120	15.36	15.42	15.42	15.40					
20	QPSK	30	24	15.36	15.34	15.34	15.37					
20	QPSK	30	30	15.44	15.60	15.60	15.48					
20	QPSK	30	60	15.30	15.32	15.32	15.41					
20	QPSK	1	0	15.36	15.46	15.46	15.51		10.0	0		
20	QPSK	1	40	15.48	15.35	15.33	15.53					
20	QPSK	1	80	15.42	15.35	15.35	15.47					
20	QPSK	1	120	15.35	15.48	15.48	15.44					
20	QPSK	30	24	15.39	15.45	15.45	15.39					
20	QPSK	30	30	15.47	15.67	15.50	15.40					
20	QPSK	30	60	15.37	15.42	15.42	15.47					
20	QPSK	1	0	15.31	15.37	15.37	15.48		10.0	0		
20	QPSK	1	40	15.46	15.30	15.48	15.48					
20	QPSK	1	80	15.42	15.37	15.37	15.48					
20	QPSK	1	120	15.37	15.48	15.48	15.40					
20	QPSK	30	24	15.39	15.45	15.45	15.39					
20	QPSK	30	30	15.47	15.67	15.50	15.40					
20	QPSK	30	60	15.34	15.42	15.42	15.51					
20	QPSK	1	0	15.36	15.32	15.32	15.50					
20	QPSK	1	40	15.48								
Channel												
20	QPSK	1	0	15.81	15.80	15.80	15.73					
10	QPSK	1	37	15.46	15.53	15.53	15.57		10.0	0		
10	QPSK	1	74	15.67	15.34	15.47	15.47					
10	QPSK	1	111	15.47	15.47	15.47	15.47					
10	QPSK	30	24	15.47	15.42	15.54	15.48					
10	QPSK	30	30	15.41	15.60	15.38	15.38					
10	QPSK	30	60	15.32	15.42	15.42	15.42					
10	QPSK	1	0	15.36	15.32	15.32	15.50					
10	QPSK	1	37	15.31	15.30	15.30	15.30		10.0	0		
10	QPSK	1	74	15.46	15.47	15.47	15.46					
10	QPSK	1	111	15.56	15.48	15.49	15.29					
10	QPSK	30	24	15.47	15.42	15.57	15.50					
10	QPSK	30	30	15.52	15.62	15.57	15.47					
10	QPSK	30	60	15.23	15.43	15.43	15.43					
10	QPSK	1	0	15.46	15.46	15.46	15.46					
10	QPSK	1	37	15.40	15.34	15.31	15.31					
10	QPSK	1	74	15.40	15.40	15.41	15.41					
10	QPSK	1	111	15.43	15.47	15.43	15.43					
10	QPSK	30	24	15.37	15.38	15.37	15.37					
10	QPSK	30	30	15.40	15.40	15.41	15.41					
10	QPSK	30	60	15.37	15.44	15.37	15.44					
Channel												
10	QPSK	1	0	15.56	15.78	15.78	15.48					
10	QPSK	1	20	15.46	15.66	15.43	15.43		10.0	0		
10	QPSK	1	40	15.67	15.42	15.63	15.67					
10	QPSK	1	60	15.34	15.67	15.37	15.67					
10	QPSK	30	24	15.81	15.56	15.47	15.47		10.0	0		
10	QPSK	30	28	15.36	15.67	15.53	15.53					
10	QPSK	30	32	15.36	15.67	15.53	15.53					
10	QPSK	1	0	15.41	15.43	15.43	15.43					
10	QPSK	1	20	15.29	15.41	15.38	15.38					
10	QPSK	1	40	15.50	15.35	15.35	15.35					
10	QPSK	1	60	15.46	15.35	15.35	15.41					
10	QPSK	30	24	15.46	15.35	15.35	15.41					
10	QPSK	30	28	15.33	15.48	15.46	15.46					
10	QPSK	30	32	15.42	15.42	15.54	15.54					
10	QPSK	1	0	15.39	15.37	15.37	15.43					
10	QPSK	1	20	15.44	15.33	15.33	15.33					
10	QPSK	1	40	15.54	15.31	15.31	15.31					
10	QPSK	1	60	15.34	15.31	15.31	15.39		10.0	0		
10	QPSK	30	24	15.46	15.35	15.35	15.41					
10	QPSK	30	28	15.32	15.46	15.44	15.44					
10	QPSK	30	32	15.44	15.32	15.32	15.32					
10	QPSK	1	0	15.48	15.44	15.54	15.50		10.0	0		
10	QPSK	1	20	15.45	15.32	15.42	15.42					
10	QPSK	1	40	15.53	15.33	15.33	15.33					
10	QPSK	1	60	15.31	15.51	15.41	15.41					
10	QPSK	30	24	15.34	15.36	15.54	15.54					
10	QPSK	30	28	15.39	15.42	15.50	15.50					
10	QPSK	30	32	15.30	15.46	15.50	15.50					
Channel												
5	QPSK	1	0	15.81	15.80	15.80	15.73					
5	QPSK	1	12	15.52	15.52	15.52	15.52					
5	QPSK	1	24	15.34	15.64	15.48	15.48					
5	QPSK	1	36	15.37	15.67	15.50	15.50					
5	QPSK	30	12	7	15.39	15.55	15.42					
5	QPSK	30	12	13	15.46	15.53	15.43					
5	QPSK	30	12	19	15.46	15.53	15.43					
5	QPSK	1	0	15.44	15.34	15.34	15.34		10.0	0		
5	QPSK	1	12	15.39	15.44	15.37	15.37					
5	QPSK	1	24	15.34	15.64	15.48	15.48					
5	QPSK	1	36	15.37	15.67	15.50	15.50					
5	QPSK	30	12	7	15.62	15.39	15.29					
5	QPSK	30	12	7	15.31	15.64	15.51					
5	QPSK	30	12	13	15.32	15.43	15.53					
5	QPSK	30	12	19	15.37	15.54	15.47					
5	QPSK	1	0	15.53	15.42	15.42	15.42					
5	QPSK	1	12	15.46	15.46	15.44	15.44					
5	QPSK	1	24	15.49	15.35	15.35	15.35					
5	QPSK	1	36	15.49	15.35	15.35	15.35					
5	QPSK	30	12	7	15.49	15.33	15.46					
5	QPSK	30	12	13	15.42	15.42	15.42					
5	QPSK	30	12	19	15.37	15.47	15.47					
5	QPSK	1	0	15.36	15.35	15.35	15.40		10.0	0		
5	QPSK	1	12	15.47	15.46	15.46	15.46					
5	QPSK	1	24	15.47	15.46	15.46	15.46					
5	QPSK	1	36	15.47	15.46	15.46	15.46					
5	QPSK	30	12	0	15.47	15.30	15.30					
5	QPSK	30	12	7	15.53	15.41	15.70					
5	QPSK	30	12	13	15.42	15.42	15.42					
5	QPSK	30	12	19	15.42	15.48	15.50					
Channel												
3	QPSK	1	0	15.84	15.80	15.80	15.44					
3	QPSK	1	8	15.31	15.60	15.42	15.42		10.0	0		
3	QPSK	1	16	15.52	15.43	15.52	15.43					
3	QPSK	1	24	15.43	15.46	15.46	15.46					
3	QPSK	30	8	15.34	15.44	15.44	15.45					
3	QPSK	30	8	7	15.38	15.67	15.44					
3	QPSK	30	8	14	15.44	15.67	15.44					
3	QPSK	1	0	15.36	15.42	15.48	15.48					
3	QPSK	1	8	15.42	15.47	15.47	15.29		10.0	0		
3	QPSK	1	16	15.47	15.46	15.46	15.46					
3	QPSK	1	24	15.35	15.69	15.40	15.40					
3	QPSK	30	8	15.47	15.54	15.62	15.47		10.0	0		
3	QPSK	30	8	7	15.47	15.43	15.58					
3	QPSK	30	8	14	15.32	15.52	15.52					
3	QPSK	1	0	15.43	15.32	15.32	15.32					
3	QPSK	1	8	15.38	15.30	15.45	15.45		10.0	0		
3	QPSK	1	16	15.42	15.45	15.45	15.45					
3	QPSK	1	24	15.33	15.45	15.45	15.45					
3	QPSK	30	8	15.53	15.25	15.35	15.35					
3	QPSK	30	8	15.47	15.44	15.39	15.39					
3	QPSK	30	8	7	15.42	15.63	15.46					
3	QPSK	30	8	14	15.2							

Band 5 Ant1 DS12 Simultaneous												
BW (MHz)	Modulation	FE Size	PDSCH	Power Level		Power Margin		Power Margin		Tx Power (dBm)	APRS (dBm)	
				2016	2015	2016	2015	2016	2015			
Frequency (MHz)												
5	QPSK	1	5	21.23	21.43	21.43						
5	QPSK	1	26	21.30	21.38	21.38		22.2	0			
5	QPSK	1	49	21.37	21.49	21.41						
5	QPSK	1	208	21.28	21.38	21.38						
5	QPSK	25	12	21.30	21.38	21.45		22.2	0			
5	QPSK	25	20	21.27	21.38	21.41						
5	QPSK	25	49	21.30	21.38	21.47						
5	16QAM	1	5	21.24	21.43	21.34						
5	16QAM	1	26	21.30	21.37	21.46		22.2	0			
5	16QAM	49	49	21.33	21.42	21.37						
5	16QAM	25	12	21.27	21.38	21.38						
5	16QAM	25	12	21.26	21.44	21.41						
5	16QAM	25	20	21.26	21.32	21.39						
5	16QAM	25	49	21.31	21.38	21.38						
5	64QAM	1	5	21.19	21.30	21.24						
5	64QAM	1	26	21.34	21.42	21.39		22.2	0			
5	64QAM	1	49	21.36	21.48	21.41						
5	64QAM	1	208	21.27	21.38	21.38						
5	64QAM	25	12	20.71	20.81	20.82		22.2	0			
5	64QAM	25	20	20.75	20.87	20.78						
5	64QAM	25	49	20.80	20.89	20.86						
5	256QAM	1	5	18.77	18.87	18.78						
5	256QAM	1	26	18.61	18.69	18.69		20	2.2			
5	256QAM	1	49	18.61	18.69	18.67						
5	256QAM	1	208	18.67	18.72	18.72						
5	256QAM	25	12	18.61	18.70	18.65		20	2.2			
5	256QAM	25	20	18.63	18.67	18.67						
5	256QAM	25	49	18.69	18.65	18.71						
Channel												
2016												
2015												
2016												
5	QPSK	1	5	21.13	21.43	21.39		22.2	0			
5	QPSK	1	12	21.22	21.32	21.30						
5	QPSK	1	34	21.26	21.37	21.29						
5	QPSK	1	122	21.28	21.43	21.38						
5	QPSK	12	7	21.14	21.26	21.34						
5	QPSK	12	13	21.12	21.13	21.30						
5	QPSK	12	13	21.12	21.13	21.32						
5	16QAM	1	5	21.13	21.35	21.24		22.2	0			
5	16QAM	1	12	21.25	21.27	21.30						
5	16QAM	1	34	21.22	21.34	21.22						
5	16QAM	12	7	21.18	21.28	21.19						
5	16QAM	12	7	21.15	21.34	21.23		22.2	0			
5	16QAM	12	13	21.21	21.20	21.33						
5	16QAM	12	13	21.28	21.20	21.33						
5	64QAM	1	5	21.06	21.20	21.11		22.2	0			
5	64QAM	1	12	21.21	21.32	21.29						
5	64QAM	1	34	21.20	21.30	21.28						
5	64QAM	12	5	20.82	20.75	20.71						
5	64QAM	12	7	20.82	20.69	20.73		22.2	0			
5	64QAM	12	13	20.86	20.74	20.80						
5	64QAM	12	13	20.93	20.82	20.84						
5	256QAM	1	5	18.89	18.80	18.86						
5	256QAM	1	12	18.62	18.63	18.62		20	2.2			
5	256QAM	1	34	18.78	18.75	18.75						
5	256QAM	12	5	18.81	18.68	18.68		22.2	0			
5	256QAM	12	7	18.83	18.60	18.61						
5	256QAM	12	13	18.86	18.61	18.61						
5	256QAM	12	13	18.93	18.61	18.61						
5	256QAM	12	13	18.98	18.63	18.72		20	2.2			
Channel												
2016												
2015												
2016												
3	QPSK	1	5	21.16	21.39	21.33		22.2	0			
3	QPSK	1	8	21.21	21.30	21.22						
3	QPSK	1	16	21.23	21.39	21.30						
3	QPSK	1	64	21.15	21.34	21.41						
3	QPSK	8	4	21.19	21.33	21.34						
3	QPSK	8	7	21.18	21.24	21.29						
3	QPSK	16	3	21.22	21.19	21.32						
3	16QAM	1	5	21.15	21.30	21.24		22.2	0			
3	16QAM	1	8	21.19	21.22	21.28						
3	16QAM	1	16	21.23	21.29	21.28						
3	16QAM	1	64	21.13	21.29	21.28						
3	16QAM	8	4	21.19	21.36	21.27						
3	16QAM	8	7	21.16	21.18	21.34						
3	16QAM	16	3	21.21	21.28	21.31		22.2	0			
3	64QAM	1	5	21.13	21.23	21.10						
3	64QAM	1	8	21.18	21.30	21.27						
3	64QAM	1	16	21.21	21.31	21.28						
3	64QAM	8	4	20.97	20.81	20.75		22.2	0			
3	64QAM	8	4	20.98	20.72	20.73						
3	64QAM	16	7	20.92	20.78	20.80						
3	256QAM	10	3	18.91	18.74	18.84		22.2	0			
3	256QAM	1	5	18.73	18.79	18.69						
3	256QAM	1	8	18.53	18.60	18.67		20	2.2			
3	256QAM	1	16	18.74	18.74	18.74						
3	256QAM	8	4	18.80	18.68	18.68						
3	256QAM	8	4	18.61	18.65	18.65		20	2.2			
3	256QAM	16	3	18.78	18.74	18.84						
3	256QAM	10	5	18.80	18.62	18.60						
Channel												
2016												
2015												
2016												
14	QPSK	1	5	21.13	21.42	21.38		22.2	0			
14	QPSK	1	3	21.16	21.29	21.27						
14	QPSK	1	9	21.29	21.42	21.32						
14	QPSK	1	17	21.13	21.43	21.40						
14	QPSK	3	1	21.17	21.32	21.38						
14	QPSK	3	3	21.21	21.27	21.27		22.2	0			
14	QPSK	3	9	21.18	21.39	21.44						
14	16QAM	1	5	21.18	21.37	21.25						
14	16QAM	1	3	21.16	21.31	21.31						
14	16QAM	1	9	21.27	21.40	21.33		22.2	0			
14	16QAM	3	1	21.14	21.20	21.25						
14	16QAM	3	1	21.17	21.33	21.31						
14	16QAM	3	3	21.12	21.25	21.31						
14	16QAM	3	9	21.24	21.38	21.44		22.2	0			
14	64QAM	1	5	21.04	21.18	21.18						
14	64QAM	1	3	21.24	21.28	21.24		22.2	0			
14	64QAM	1	9	21.32	21.46	21.42						
14	64QAM	3	1	21.09	21.17	21.17		22.2	0			
14	64QAM	3	1	20.98	21.07	21.13						
14	64QAM	3	3	21.14	21.24	21.24						
14	64QAM	6	1	20.79	20.91	20.90		22.2	0			
14	256QAM	1	5	18.88	18.84	18.68						
14	256QAM	1	3	18.52	18.67	18.64		20	2.2			
14	256QAM	1	9	18.78	18.82	18.82						
14	256QAM	3	5	18.82	18.66	18.61						
14	256QAM	3	1	18.50	18.63	18.57						
14	256QAM	6	1	18.68	18.60	18.60						
14	256QAM	6	5	18.49	18.54	18.60		20	2.2			

Band 7 Ant1 DS2 Simultaneous												
RF (MHz)	Modulation	RF Size	RF Offset	Power Low Power	Power Normal Power	Power High Power	Time-to- live (sec)	APPS (dB)				
Channel												
Frequency (MHz)												
25	QPSK	1	0	16.32	16.32	16.24			17.2	0		
25	QPSK	1	49	16.26	16.32	16.24						
25	QPSK	1	98	16.22	16.24	16.27						
25	QPSK	50	0	16.29	16.49	16.49						
25	QPSK	50	24	16.23	16.26	16.27			17.2	0		
25	QPSK	50	25	16.25	16.42	16.19						
25	QPSK	100	0	16.13	16.41	16.22						
25	16QAM	1	0	16.32	16.29	16.26			17.2	0		
25	16QAM	1	49	16.24	16.24	16.26						
25	16QAM	1	98	16.28	16.29	16.21						
25	16QAM	50	0	16.29	16.29	16.21						
25	16QAM	50	24	16.27	16.36	16.34			17.2	0		
25	16QAM	50	25	16.23	16.29	16.26						
25	16QAM	100	0	16.13	16.38	16.25						
25	16QAM	1	0	16.24	16.24	16.26						
25	16QAM	1	49	16.24	16.27	16.26			17.2	0		
25	16QAM	1	98	16.19	16.25	16.26						
25	16QAM	50	0	16.29	16.29	16.21						
25	16QAM	50	24	16.29	16.29	16.26			17.2	0		
25	16QAM	50	25	16.23	16.29	16.26						
25	16QAM	100	0	16.13	16.38	16.25						
25	256QAM	1	0	16.27	16.27	16.23			17.2	0		
25	256QAM	1	49	16.24	16.25	16.24						
25	256QAM	1	98	16.23	16.38	16.26						
25	256QAM	50	0	16.16	16.29	16.21						
25	256QAM	50	24	16.26	16.27	16.23			17.2	0		
25	256QAM	50	25	16.18	16.26	16.21						
25	256QAM	100	0	16.25	16.29	16.26						
Channel												
Frequency (MHz)												
15	QPSK	1	0	16.22	16.30	16.10			17.2	0		
15	QPSK	1	24	16.14	16.23	16.32						
15	QPSK	1	74	16.11	16.29	16.26						
15	QPSK	36	0	16.27	16.32	16.13						
15	QPSK	36	25	16.28	16.15	16.28			17.2	0		
15	QPSK	36	26	16.19	16.27	16.17						
15	QPSK	75	0	16.27	16.27	16.16						
15	16QAM	1	0	16.26	16.29	16.14			17.2	0		
15	16QAM	1	24	16.19	16.24	16.26						
15	16QAM	1	74	16.23	16.18	16.25						
15	16QAM	36	0	16.15	16.21	16.19						
15	16QAM	36	25	16.28	16.29	16.21			17.2	0		
15	16QAM	36	26	16.13	16.29	16.26						
15	16QAM	75	0	16.19	16.17	16.29						
15	16QAM	1	0	16.27	16.29	16.21			17.2	0		
15	16QAM	1	24	16.23	16.29	16.21						
15	16QAM	1	74	16.14	16.11	16.24						
15	16QAM	36	0	16.23	16.12	16.16						
15	16QAM	36	25	16.25	16.13	16.26			17.2	0		
15	16QAM	36	26	16.25	16.13	16.26						
15	16QAM	75	0	16.14	16.21	16.15						
15	16QAM	75	0	16.25	16.24	16.20						
15	256QAM	1	0	16.24	16.24	16.26			17.2	0		
15	256QAM	1	24	16.15	16.19	16.25						
15	256QAM	1	74	16.11	16.29	16.25						
15	256QAM	36	0	16.27	16.23	16.21						
15	256QAM	36	25	16.27	16.13	16.19			17.2	0		
15	256QAM	36	26	16.27	16.22	16.14						
15	256QAM	75	0	16.12	16.21	16.21						
Channel												
Frequency (MHz)												
10	QPSK	1	0	16.25	16.30	16.17			17.2	0		
10	QPSK	1	24	16.13	16.23	16.26						
10	QPSK	1	49	16.13	16.23	16.26						
10	QPSK	25	0	16.27	16.35	16.32						
10	QPSK	25	12	16.28	16.15	16.28			17.2	0		
10	QPSK	25	25	16.14	16.28	16.24						
10	QPSK	50	0	16.08	16.27	16.11						
10	16QAM	1	0	16.21	16.17	16.23			17.2	0		
10	16QAM	1	24	16.13	16.19	16.15						
10	16QAM	1	49	16.22	16.26	16.26						
10	16QAM	25	0	16.23	16.26	16.17						
10	16QAM	25	12	16.15	16.22	16.27			17.2	0		
10	16QAM	25	25	16.28	16.16	16.27						
10	16QAM	50	0	16.15	16.14	16.27						
10	16QAM	1	0	16.26	16.27	16.24			17.2	0		
10	16QAM	1	49	16.08	16.19	16.32						
10	16QAM	25	0	16.17	16.26	16.21						
10	16QAM	25	12	16.12	16.23	16.23			17.2	0		
10	16QAM	25	25	16.25	16.16	16.14						
10	16QAM	50	0	16.11	16.16	16.14						
10	16QAM	50	0	16.09	16.26	16.21			17.2	0		
10	256QAM	1	0	16.14	16.24	16.20						
10	256QAM	1	24	16.15	16.16	16.23						
10	256QAM	1	49	16.09	16.30	16.19						
10	256QAM	25	0	16.27	16.11	16.23			17.2	0		
10	256QAM	25	12	16.27	16.11	16.23						
10	256QAM	25	25	16.21	16.26	16.16						
10	256QAM	50	0	16.14	16.20	16.26						
10	256QAM	1	0	16.24	16.24	16.26			17.2	0		
10	256QAM	1	12	16.19	16.13	16.28						
10	256QAM	1	24	16.12	16.11	16.32						
10	256QAM	1	49	16.17	16.17	16.26						
10	256QAM	25	0	16.08	16.13	16.21			17.2	0		
10	256QAM	25	12	16.09	16.18	16.21						
10	256QAM	25	25	16.23	16.29	16.22						
10	256QAM	50	0	16.14	16.19	16.29			17.2	0		
10	256QAM	1	0	16.17	16.20	16.20						
10	256QAM	1	12	16.22	16.22	16.22			17.2	0		
10	256QAM	1	24	16.23	16.17	16.16						
10	256QAM	1	49	16.24	16.19	16.29						
10	256QAM	12	0	16.24	16.19	16.29			17.2	0		
10	256QAM	12	13	16.19	16.24	16.28						
10	256QAM	12	15	16.19	16.24	16.28						

Band 12 Ant1 DS2 Simultaneous												
RF (MHz)	Modulation	RF Size	RF Offset	Power Ch. 1 / Power Ch. 2 / Power Ch. 3 / Power	Power Ch. 1 / Power Ch. 2 / Power Ch. 3 / Power	Power Ch. 1 / Power Ch. 2 / Power Ch. 3 / Power	Time-to- live (sec)	APPS (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	23.27	23.42	23.39			24.2	0		
10	QPSK	1	25	23.29	23.36	23.25						
10	QPSK	1	49	23.24	23.14	23.23						
10	QPSK	25	0	23.31	23.41	23.34						
10	QPSK	25	12	23.37	23.21	23.33			24	0.2		
10	QPSK	25	25	23.25	23.21	23.25						
10	QPSK	50	0	23.35	23.37	23.35						
10	16QAM	1	0	23.38	23.47	23.38			24	0.2		
10	16QAM	1	24	23.41	23.39	23.37						
10	16QAM	1	49	23.45	23.21	23.29						
10	16QAM	25	0	23.39	23.29	23.27						
10	16QAM	25	12	23.37	23.21	23.33			23	1.2		
10	16QAM	25	25	23.23	23.21	23.29						
10	16QAM	50	0	23.33	23.43	23.35						
10	16QAM	1	25	23.44	23.38	23.35			23	1.2		
10	16QAM	1	49	23.46	23.21	23.27						
10	16QAM	25	0	23.35	23.27	23.31						
10	16QAM	25	12	23.41	23.31	23.36			23	1.2		
10	16QAM	25	25	23.38	23.38	23.31						
10	16QAM	50	0	23.35	23.37	23.35						
10	256QAM	1	0	19.33	19.48	19.35			20	4.2		
10	256QAM	1	24	19.49	19.35	19.35						
10	256QAM	1	49	19.45	19.35	19.35						
10	256QAM	25	0	19.37	19.32	19.32						
10	256QAM	25	12	19.32	19.28	19.27			20	4.2		
10	256QAM	25	25	19.35	19.35	19.35						
10	256QAM	50	0	19.33	19.29	19.27						
Channel												
Frequency (MHz)												
5	QPSK	1	0	23.23	23.30	23.26			24.2	0		
5	QPSK	1	12	23.38	23.25	23.31						
5	QPSK	1	24	23.19	23.31	23.25						
5	QPSK	12	0	23.36	23.38	23.37			24	0.2		
5	QPSK	12	13	23.21	23.27	23.18						
5	QPSK	12	25	23.27	23.29	23.28						
5	16QAM	1	0	23.48	23.38	23.43			24	0.2		
5	16QAM	1	12	23.49	23.47	23.56						
5	16QAM	1	24	23.47	23.41	23.34						
5	16QAM	12	0	23.36	23.36	23.36			23	1.2		
5	16QAM	12	7	23.35	23.36	23.26						
5	16QAM	12	13	23.21	23.31	23.46						
5	16QAM	25	0	23.37	23.37	23.37						
5	16QAM	25	0	23.34	23.27	23.21			23	1.2		
5	16QAM	1	12	23.38	23.47	23.45						
5	16QAM	1	24	23.36	23.36	23.36						
5	16QAM	12	0	23.26	23.30	23.38			23	1.2		
5	16QAM	12	7	23.26	23.32	23.38						
5	16QAM	12	13	23.47	23.36	23.43						
5	16QAM	25	0	23.36	23.36	23.36			20	4.2		
5	256QAM	1	0	19.44	19.36	19.35						
5	256QAM	1	12	19.47	19.48	19.48						
5	256QAM	1	24	19.41	19.32	19.32						
5	256QAM	12	0	19.36	19.29	19.41						
5	256QAM	12	7	19.41	19.41	19.41			20	4.2		
5	256QAM	12	13	19.45	19.35	19.45						
5	256QAM	25	0	19.35	19.35	19.35						
Channel												
Frequency (MHz)												
3	QPSK	1	0	23.33	23.44	23.33			24.2	0		
3	QPSK	1	8	23.37	23.48	23.38						
3	QPSK	1	14	23.21	23.32	23.18						
3	QPSK	8	0	23.37	23.38	23.37			24	0.2		
3	QPSK	8	7	23.31	23.37	23.47						
3	QPSK	16	0	23.41	23.32	23.29						
3	16QAM	1	0	23.39	23.37	23.37			24	0.2		
3	16QAM	1	14	23.38	23.29	23.24						
3	16QAM	8	0	23.37	23.29	23.27						
3	16QAM	8	7	23.31	23.31	23.31			23	1.2		
3	16QAM	8	7	23.27	23.39	23.29						
3	16QAM	16	0	23.44	23.34	23.44						
3	16QAM	1	0	23.34	23.25	23.42						
3	16QAM	1	8	23.37	23.28	23.68			23	1.2		
3	16QAM	1	14	23.26	23.44	23.19						
3	16QAM	8	0	23.45	23.41	23.21						
3	16QAM	8	6	23.46	23.52	23.53			23	1.2		
3	16QAM	8	7	23.24	23.32	23.21						
3	16QAM	16	0	23.39	23.38	23.38						
3	256QAM	1	0	19.40	19.35	19.35			20	4.2		
3	256QAM	1	8	19.38	19.48	19.58						
3	256QAM	1	14	19.35	19.35	19.35						
3	256QAM	8	0	19.36	19.34	19.26						
3	256QAM	8	6	19.41	19.42	19.54			20	4.2		
3	256QAM	8	7	19.38	19.38	19.27						
3	256QAM	16	0	19.35	19.35	19.35						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	23.28	23.37	23.33			24.2	0		
1.4	QPSK	1	3	23.38	23.25	23.21						
1.4	QPSK	1	5	23.01	23.21	23.31						
1.4	QPSK	3	0	23.37	23.42	23.37			24	0.2		
1.4	QPSK	3	1	23.23	23.25	23.25						
1.4	QPSK	6	0	23.12	23.07	23.06						
1.4	QPSK	6	3	23.18	23.13	23.09			24	0.2		
1.4	QPSK	6	5	23.22	23.19	23.20						
1.4	16QAM	1	3	23.05	23.20	23.17						
1.4	16QAM	1	5	23.24	23.09	23.21			24	0.2		
1.4	16QAM	3	0	23.34	23.34	23.34						
1.4	16QAM	3	1	23.29	23.31	23.31			23	1.2		
1.4	16QAM	6	0	23.28	23.38	23.28						
1.4	16QAM	6	3	23.44	23.34	23.44			23	1.2		
1.4	16QAM	6	5	23.35	23.23	23.28						
1.4	16QAM	1	3	23.31	23.20	23.25			20	1.2		
1.4	16QAM	1	5	23.21	23.21	23.22						
1.4	16QAM	3	0	19.37	19.16	19.15						
1.4	256QAM	1	3	19.25	19.28	19.24			20	4.2		
1.4	256QAM	1	5	19.31	19.31	19.31						
1.4	256QAM	3	0	19.26	19.26	19.24						
1.4	256QAM	3	1	19.37	19.24	19.38						
1.4	256QAM	6	0	19.37	19.27	19.16			20	4.2		
1.4	256QAM	6	3	19.30	19.30	19.29						

Band 48 Ant2_DSI 2 Standalone											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				55340	55830	56150	56640	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3560	3609	3641	3690				
20	QPSK	1	0	22.42	22.44	22.54	22.47	24	0		
20	QPSK	1	49	22.34	22.38	22.48	22.42				
20	QPSK	1	99	22.33	22.27	22.42	22.31				
20	QPSK	50	0	21.44	21.41	21.55	21.45				
20	QPSK	50	24	21.20	21.24	21.35	21.16	23	1		
20	QPSK	50	50	21.34	21.33	21.43	21.35				
20	QPSK	100	0	21.25	21.27	21.53	21.36				
20	16QAM	1	0	21.34	21.40	21.52	21.39				
20	16QAM	1	49	21.28	21.21	21.40	21.31	23	1		
20	16QAM	1	99	21.27	21.26	21.39	21.25				
20	16QAM	50	0	20.44	20.40	20.57	20.45				
20	16QAM	50	24	20.33	20.19	20.39	20.24				
20	16QAM	50	50	20.38	20.39	20.48	20.36	22	2		
20	16QAM	100	0	20.32	20.31	20.37	20.20				
20	64QAM	1	0	20.34	20.26	20.44	20.31				
20	64QAM	1	49	20.30	20.21	20.36	20.19				
20	64QAM	1	99	20.14	20.19	20.27	20.21	22	2		
20	64QAM	50	0	19.36	19.45	19.56	19.36				
20	64QAM	50	24	19.34	19.30	19.49	19.43				
20	64QAM	50	50	19.38	19.24	19.43	19.22				
20	64QAM	100	0	19.33	19.31	19.51	19.39	21	3		
20	256QAM	1	0	17.35	17.49	17.35	17.51				
20	256QAM	1	49	17.20	17.36	17.14	17.35				
20	256QAM	1	99	17.32	17.39	17.28	17.37				
20	256QAM	50	0	17.22	17.33	17.23	17.36	19	5		
20	256QAM	50	24	17.27	17.14	17.29	17.08				
20	256QAM	50	50	17.11	17.19	17.10	17.30				
20	256QAM	100	0	17.28	17.13	17.24	17.15				
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3557.5	3608	3642	3692.5				
15	QPSK	1	0	22.32	22.32	22.43	22.30	24	0		
15	QPSK	1	37	22.26	22.21	22.37	22.22				
15	QPSK	1	74	22.23	22.16	22.24	22.24				
15	QPSK	36	0	21.36	21.34	21.35	21.38				
15	QPSK	36	20	21.07	21.07	21.15	21.01	23	1		
15	QPSK	36	39	21.24	21.21	21.24	21.21				
15	QPSK	75	0	21.20	21.08	21.27	21.24				
15	16QAM	1	0	21.21	21.24	21.35	21.28				
15	16QAM	1	37	21.11	21.14	21.26	21.20	23	1		
15	16QAM	1	74	21.09	21.19	21.22	21.04				
15	16QAM	36	0	20.31	20.26	20.45	20.37				
15	16QAM	36	20	20.20	20.14	20.32	20.12				
15	16QAM	36	39	20.22	20.30	20.33	20.20	22	2		
15	16QAM	75	0	20.23	20.23	20.23	20.13				
15	64QAM	1	0	20.18	20.11	20.25	20.11				
15	64QAM	1	37	20.24	20.10	20.19	20.10				
15	64QAM	1	74	20.08	20.14	20.16	20.01	22	2		
15	64QAM	36	0	19.22	19.34	19.45	19.18				
15	64QAM	36	20	19.27	19.16	19.33	19.35				
15	64QAM	36	39	19.28	19.15	19.27	19.06				
15	64QAM	75	0	19.12	19.14	19.43	19.34	21	3		
15	256QAM	1	0	17.33	17.48	17.29	17.41				
15	256QAM	1	37	17.16	17.32	17.11	17.29				
15	256QAM	1	74	17.25	17.39	17.20	17.35				
15	256QAM	36	0	17.14	17.25	17.14	17.32	19	5		
15	256QAM	36	20	17.27	17.11	17.20	17.19				
15	256QAM	36	39	17.04	17.10	17.20	17.26				
15	256QAM	75	0	17.24	17.11	17.15	17.11				
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3555	3607.5	3642.5	3695				
10	QPSK	1	0	22.35	22.33	22.36	22.26	24	0		
10	QPSK	1	25	22.13	22.25	22.39	22.32				
10	QPSK	1	49	22.24	22.10	22.36	22.16				
10	QPSK	25	0	21.39	21.20	21.38	21.37				
10	QPSK	25	12	21.06	21.18	21.14	21.00	23	1		
10	QPSK	25	25	21.15	21.17	21.29	21.17				
10	QPSK	50	0	21.12	21.07	21.21	21.18				
10	16QAM	1	0	21.27	21.34	21.42	21.22				
10	16QAM	1	25	21.20	21.02	21.31	21.24	23	1		
10	16QAM	1	49	21.10	21.12	21.20	21.14				
10	16QAM	25	0	20.32	20.35	20.41	20.25				
10	16QAM	25	12	20.25	20.11	20.27	20.06				
10	16QAM	25	25	20.21	20.22	20.35	20.17	22	2		
10	16QAM	50	0	20.20	20.19	20.31	20.09				
10	64QAM	1	0	20.23	20.13	20.38	20.26				
10	64QAM	1	25	20.20	20.14	20.23	20.05				
10	64QAM	1	49	20.12	20.21	20.19	20.12	22	2		
10	64QAM	25	0	19.17	19.35	19.44	19.27				
10	64QAM	25	12	19.27	19.14	19.34	19.30				
10	64QAM	25	25	19.27	19.06	19.29	19.11				
10	64QAM	50	0	19.16	19.13	19.43	19.28	21	3		
10	256QAM	1	0	17.33	17.41	17.34	17.43				
10	256QAM	1	25	17.21	17.31	17.15	17.30				
10	256QAM	1	49	17.32	17.38	17.26	17.33				
10	256QAM	25	0	17.15	17.24	17.16	17.31	19	5		
10	256QAM	25	12	17.28	17.04	17.28	17.00				
10	256QAM	25	25	17.08	17.10	17.10	17.27				
10	256QAM	50	0	17.22	17.10	17.24	17.04				
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3552.5	3607	3643	3697.5				
5	QPSK	1	0	22.36	22.31	22.40	22.30	24	0		
5	QPSK	1	12	22.29	22.24	22.33	22.27				
5	QPSK	1	24	22.17	22.12	22.22	22.12				
5	QPSK	12	0	21.38	21.23	21.36	21.34				
5	QPSK	12	7	21.05	21.10	21.17	21.28	23	1		
5	QPSK	12	13	21.16	21.25	21.30	21.17				
5	QPSK	25	0	21.08	21.12	21.29	21.27				
5	16QAM	1	0	21.26	21.26	21.40	21.20				
5	16QAM	1	12	21.21	21.15	21.27	21.22	23	1		
5	16QAM	1	24	21.16	21.14	21.29	21.19				
5	16QAM	12	0	20.36	20.20	20.38	20.26				
5	16QAM	12	7	20.12	20.04	20.27	20.07				
5	16QAM	12	13	20.17	20.22	20.35	20.31	22	2		
5	16QAM	25	0	20.13	20.22	20.16	20.04				
5	64QAM	1	0	20.28	20.21	20.35	20.14				
5	64QAM	1	12	20.18	20.15	20.19	20.13				
5	64QAM	1	24	20.09	20.00	20.14	20.16	22	2		
5	64QAM	12	0	19.24	19.31	19.38	19.25				
5	64QAM	12	7	19.16	19.12	19.30	19.29				
5	64QAM	12	13	19.23	19.07	19.28	19.12				
5	64QAM	25	0	19.17	19.19	19.31	19.30	21	3		
5	256QAM	1	0	17.29	17.43	17.34	17.44				
5	256QAM	1	12	17.17	17.32	17.09	17.34				
5	256QAM	1	24	17.33	17.33	17.20	17.29				
5	256QAM	12	0	17.21	17.33	17.16	17.30	19	5		
5	256QAM	12	7	17.27	17.04	17.25	17.01				
5	256QAM	12	13	17.08	17.17	17.05	17.25				
5	256QAM	25	0	17.22	17.12	17.15	17.06				

Band 48 Ant2_DSI 2 Simultaneous											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				55340	55830	56150	56640	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3560	3609	3641	3690				
20	QPSK	1	0	22.42	22.44	22.54	22.47	24	0		
20	QPSK	1	49	22.34	22.38	22.48	22.42				
20	QPSK	1	99	22.33	22.27	22.42	22.31				
20	QPSK	50	0	21.44	21.41	21.55	21.45				
20	QPSK	50	24	21.20	21.24	21.35	21.16	23	1		
20	QPSK	50	50	21.34	21.33	21.43	21.35				
20	QPSK	100	0	21.25	21.27	21.53	21.36				
20	16QAM	1	0	21.34	21.40	21.52	21.39				
20	16QAM	1	49	21.28	21.21	21.40	21.31	23	1		
20	16QAM	1	99	21.27	21.26	21.39	21.25				
20	16QAM	50	0	20.44	20.40	20.57	20.45				
20	16QAM	50	24	20.33	20.19	20.39	20.24				
20	16QAM	50	50	20.38	20.39	20.48	20.36	22	2		
20	16QAM	100	0	20.32	20.31	20.37	20.20				
20	64QAM	1	0	20.34	20.26	20.44	20.31				
20	64QAM	1	49	20.30	20.21	20.36	20.19				
20	64QAM	1	99	20.14	20.19	20.27	20.21	22	2		
20	64QAM	50	0	19.36	19.45	19.56	19.36				
20	64QAM	50	24	19.34	19.30	19.49	19.43				
20	64QAM	50	50	19.38	19.24	19.43	19.22				
20	64QAM	100	0	19.33	19.31	19.51	19.39	21	3		
20	256QAM	1	0	17.35	17.49	17.35	17.51				
20	256QAM	1	49	17.20	17.36	17.14	17.35				
20	256QAM	1	99	17.32	17.39	17.28	17.37				
20	256QAM	50	0	17.22	17.33	17.23	17.36	19	5		
20	256QAM	50	24	17.27	17.14	17.29	17.08				
20	256QAM	50	50	17.11	17.19	17.10	17.30				
20	256QAM	100	0	17.28	17.13	17.24	17.15				
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3557.5	3608	3642	3692.5				
15	QPSK	1	0	22.32	22.32	22.43	22.30	24	0		
15	QPSK	1	37	22.26	22.21	22.37	22.22				
15	QPSK	1	74	22.23	22.16	22.24	22.24				
15	QPSK	36	0	21.36	21.34	21.35	21.38				
15	QPSK	36	20	21.07	21.07	21.15	21.01	23	1		
15	QPSK	36	39	21.24	21.21	21.24	21.21				
15	QPSK	75	0	21.20	21.08	21.27	21.24				
15	16QAM	1	0	21.21	21.24	21.35	21.28				
15	16QAM	1	37	21.11	21.14	21.26	21.20	23	1		
15	16QAM	1	74	21.09	21.19	21.22	21.04				
15	16QAM	36	0	20.31	20.26	20.45	20.37				
15	16QAM	36	20	20.20	20.14	20.32	20.12				
15	16QAM	36	39	20.22	20.30	20.33	20.20	22	2		
15	16QAM	75	0	20.23	20.23	20.23	20.13				
15	64QAM	1	0	20.18	20.11	20.25	20.11				
15	64QAM	1	37	20.24	20.10	20.19	20.10				
15	64QAM	1	74	20.08	20.14	20.16	20.01	22	2		
15	64QAM	36	0	19.22	19.34	19.45	19.18				
15	64QAM	36	20	19.27	19.16	19.33	19.35				
15	64QAM	36	39	19.28	19.15	19.27	19.06				
15	64QAM	75	0	19.12	19.14	19.43	19.34	21	3		
15	256QAM	1	0	17.33	17.48	17.29	17.41				
15	256QAM	1	37	17.16	17.32	17.11	17.29				
15	256QAM	1	74	17.25	17.39	17.20	17.35				
15	256QAM	36	0	17.14	17.25	17.14	17.32	19	5		
15	256QAM	36	20	17.27	17.11	17.20	17.19				
15	256QAM	36	39	17.04	17.10	17.20	17.26				
15	256QAM	75	0	17.24	17.11	17.15	17.11				
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3555	3607.5	3642.5	3695				
10	QPSK	1	0	22.35	22.33	22.36	22.26	24	0		
10	QPSK	1	25	22.13	22.25	22.39	22.32				
10	QPSK	1	49	22.24	22.10	22.36	22.16				
10	QPSK	25	0	21.39	21.20	21.38	21.37				
10	QPSK	25	12	21.06	21.18	21.14	21.00	23	1		
10	QPSK	25	25	21.15	21.17	21.29	21.17				
10	QPSK	50	0	21.12	21.07	21.21	21.18				
10	16QAM	1	0	21.27	21.34	21.42	21.22				
10	16QAM	1	25	21.20	21.02	21.31	21.24	23	1		
10	16QAM	1	49	21.10	21.12	21.20	21.14				
10	16QAM	25	0	20.32	20.35	20.41	20.25				
10	16QAM	25	12	20.25	20.11	20.27	20.06				
10	16QAM	25	25	20.21	20.22	20.35	20.17	22	2		
10	16QAM	50	0	20.20	20.19	20.31	20.09				
10	64QAM	1	0	20.23	20.13	20.38	20.26				
10	64QAM	1	25	20.20	20.14	20.23	20.05				
10	64QAM	1	49	20.12	20.21	20.19	20.12	22	2		
10	64QAM	25	0	19.17	19.35	19.44	19.27				
10	64QAM	25	12	19.27	19.14	19.34	19.30				
10	64QAM	25	25	19.27	19.06	19.29	19.11				
10	64QAM	50	0	19.16	19.13	19.43	19.28	21	3		
10	256QAM	1	0	17.33	17.41	17.34	17.43				
10	256QAM	1	25	17.21	17.31	17.15	17.30				
10	256QAM	1	49	17.32	17.38	17.26	17.33				
10	256QAM	25	0	17.15	17.24	17.16	17.31	19	5		
10	256QAM	25	12	17.28	17.04	17.28	17.00				
10	256QAM	25	25	17.08	17.10	17.10	17.27				
10	256QAM	50	0	17.22	17.10	17.24	17.04				
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3552.5	3607	3643	3697.5				
5	QPSK	1	0	22.36	22.31	22.40	22.30	24	0		
5	QPSK	1	12	22.29	22.24	22.33	22.27				
5	QPSK	1	24	22.17	22.12	22.22	22.12				
5	QPSK	12	0	21.38	21.23	21.36	21.34				
5	QPSK	12	7	21.05	21.10	21.17	21.28	23	1		
5	QPSK	12	13	21.16	21.25	21.30	21.17				
5	QPSK	25	0	21.08	21.12	21.29	21.27				
5	16QAM	1	0	21.26	21.26	21.40	21.20				
5	16QAM	1	12	21.21	21.15	21.27	21.22	23	1		
5	16QAM	1	24	21.16	21.14	21.29	21.19				
5	16QAM	12	0	20.36	20.20	20.38	20.26				
5	16QAM	12	7	20.12	20.04	20.27	20.07				
5	16QAM	12	13	20.17	20.22	20.35	20.31	22	2		
5	16QAM	25	0	20.13	20.22	20.16	20.04				
5	64QAM	1	0	20.28	20.21	20.35	20.14				
5	64QAM	1	12	20.18	20.15	20.19	20.13				
5	64QAM	1	24	20.09	20.00	20.14	20.16	22	2		
5	64QAM	12	0	19.24	19.31	19.38	19.25				
5	64QAM	12	7	19.16	19.12	19.30	19.29				
5	64QAM	12	13	19.23	19.07	19.28	19.12				
5	64QAM	25	0	19.17	19.19	19.31	19.30	21	3		
5	256QAM	1	0	17.29	17.43	17.34	17.44				
5	256QAM	1	12	17.17	17.32	17.09	17.34				
5	256QAM	1	24	17.33	17.33	17.20	17.29				
5	256QAM	12	0	17.21	17.33	17.16	17.30	19	5		
5	256QAM	12	7	17.27	17.04	17.25	17.01				
5	256QAM	12	13	17.08	17.17	17.05	17.25				
5	256QAM	25	0	17.22	17.12	17.15	17.06				

GSM850 Ant0 DS13 standalone

	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	129	189	251		129	189	251	
GSM850								
TX Channel	524.2	836.4	848.8		524.2	836.4	848.8	
Frequency (MHz)	32.60	32.66	32.49	33.10	23.60	23.66	23.49	24.10
GSM 1 Tx slot	32.58	32.65	32.46	33.10	23.58	23.65	23.46	24.10
GPRS 1 Tx slot	29.62	29.16	29.66	30.10	23.62	23.16	23.66	24.10
GPRS 2 Tx slots	27.31	27.46	27.20	28.40	23.05	23.20	22.94	24.14
GPRS 3 Tx slots	26.62	26.21	26.52	27.10	23.62	23.21	23.52	24.10
GPRS 4 Tx slots	25.57	25.62	25.67	27.00	16.57	16.62	16.67	18.00
EDGE 1 Tx slot	24.04	23.92	24.02	25.00	18.04	17.92	18.02	19.00
EDGE 2 Tx slots	22.76	22.65	22.75	24.00	18.50	18.39	18.49	19.74
EDGE 3 Tx slots	20.68	20.65	20.84	22.00	17.68	17.65	17.84	19.00
EDGE 4 Tx slots								

GSM1900 Ant0 DS13 standalone

	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
GSM1900								
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)	27.09	27.11	27.13	27.80	18.09	18.11	18.13	18.80
GSM 1 Tx slot	27.09	27.11	27.13	27.80	18.09	18.11	18.13	18.80
GPRS 1 Tx slot	24.16	24.18	24.54	24.80	18.16	18.18	18.54	18.80
GPRS 2 Tx slots	21.93	21.98	22.11	23.00	17.67	17.72	17.85	18.74
GPRS 3 Tx slots	20.95	21.15	21.07	21.80	17.95	18.15	18.07	18.80
GPRS 4 Tx slots	25.24	25.14	25.29	26.50	16.24	16.14	16.29	17.50
EDGE 1 Tx slot	23.73	23.59	23.68	24.50	17.73	17.59	17.68	18.50
EDGE 2 Tx slots	22.60	22.46	22.55	23.00	18.34	18.22	18.26	18.74
EDGE 3 Tx slots	20.37	20.12	20.29	21.00	17.37	17.12	17.29	18.00
EDGE 4 Tx slots								

WCDMA II Ant0 DS13 standalone

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		4132	4182	4233	
Rx Channel		9662	9800	9938		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	18.03	18.11	18.03	18.70	22.80	22.81	22.78	23.50
3GPP Rel 99	RMC 12.2Kbps	18.17	18.27	18.15	18.70	22.82	22.92	22.90	23.50
3GPP Rel 6	HSDPA Subtest-1	17.12	17.33	17.24	17.70	21.75	21.93	21.82	22.50
3GPP Rel 6	HSDPA Subtest-2	17.15	17.24	17.11	17.70	21.74	21.88	21.93	22.50
3GPP Rel 6	HSDPA Subtest-3	16.63	16.69	16.72	17.20	21.35	21.51	21.44	22.00
3GPP Rel 6	HSDPA Subtest-4	16.75	16.72	16.58	17.20	21.23	21.43	21.36	22.00
3GPP Rel 8	DC-HSDPA Subtest-1	17.27	17.26	17.12	17.70	21.84	21.96	21.83	22.50
3GPP Rel 8	DC-HSDPA Subtest-2	17.26	17.23	17.24	17.70	21.76	21.90	21.98	22.50
3GPP Rel 8	DC-HSDPA Subtest-3	16.61	16.82	16.72	17.20	21.41	21.47	21.34	22.00
3GPP Rel 8	DC-HSDPA Subtest-4	16.65	16.67	16.58	17.20	21.30	21.51	21.39	22.00
3GPP Rel 6	HSUPA Subtest-1	17.19	17.20	17.14	17.70	21.76	21.97	21.86	22.50
3GPP Rel 6	HSUPA Subtest-2	15.66	15.84	15.74	15.70	19.73	19.83	19.90	20.50
3GPP Rel 6	HSUPA Subtest-3	16.13	16.22	16.16	16.70	20.88	21.01	20.91	21.50
3GPP Rel 6	HSUPA Subtest-4	15.75	15.68	15.71	15.70	19.75	20.00	19.95	20.50
3GPP Rel 6	HSUPA Subtest-5	17.10	17.35	17.20	17.70	21.67	21.98	21.88	22.50

WCDMA V Ant0 DS13 standalone

GSM850 Ant0 DSIS simultaneous

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	126	169	251		126	169	251	
TX Channel	824.2	838.4	848.8		824.2	838.4	848.8	
Frequency (MHz)	31.56	31.58	31.41	31.80	22.56	22.58	22.41	22.80
GPRS 1 Tx slot	31.52	31.53	31.30	31.80	22.52	22.53	22.30	22.80
GPRS 2 Tx slots	27.80	27.91	28.29	28.80	21.80	21.91	22.29	22.80
GPRS 3 Tx slots	26.29	26.24	26.72	27.00	22.03	21.98	22.46	22.74
GPRS 4 Tx slots	24.62	24.75	24.36	25.80	21.62	21.75	21.36	22.80
EDGE 1 Tx slot	25.57	25.62	25.67	27.00	16.57	16.62	16.67	18.00
EDGE 2 Tx slots	24.04	23.92	24.02	25.00	18.04	17.92	18.02	19.00
EDGE 3 Tx slots	22.76	22.65	22.75	24.00	18.50	18.39	18.49	19.74
EDGE 4 Tx slots	20.68	20.66	20.84	22.00	17.68	17.66	17.84	19.00

GSM1900 Ant0 DSIS simultaneous

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)	23.12	23.22	23.20	25.00	14.12	14.22	14.20	16.00
GPRS 1 Tx slot	23.10	23.22	23.19	25.00	14.10	14.22	14.19	16.00
GPRS 2 Tx slots	20.11	20.23	20.09	22.00	14.11	14.23	14.09	16.00
GPRS 3 Tx slots	19.02	18.69	18.61	20.20	14.76	14.43	14.35	15.94
GPRS 4 Tx slots	17.67	17.77	17.32	19.00	14.67	14.77	14.32	16.00
EDGE 1 Tx slot	23.72	23.35	23.33	25.00	14.72	14.35	14.33	16.00
EDGE 2 Tx slots	20.62	20.41	20.67	22.00	14.62	14.41	14.67	16.00
EDGE 3 Tx slots	18.78	18.35	18.41	20.26	14.52	14.09	14.15	16.00
EDGE 4 Tx slots	17.53	17.18	17.23	19.00	14.53	14.18	14.23	16.00

WCDMA II Ant0 DSIS simultaneous

WCDMA V Ant0 DSIS simultaneous

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		4132	4182	4233	
Rx Channel		9662	9800	9938		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	14.03	14.11	13.96	14.70	21.76	21.87	21.82	22.20
3GPP Rel 99	RMC 12.2Kbps	14.13	14.18	14.12	14.70	21.84	21.98	21.93	22.20
3GPP Rel 6	HSDPA Subtest-1	13.18	13.09	13.22	13.70	20.77	20.96	20.87	21.20
3GPP Rel 6	HSDPA Subtest-2	13.18	13.22	13.06	13.70	20.82	20.90	20.91	21.20
3GPP Rel 6	HSDPA Subtest-3	12.57	12.67	12.67	13.20	20.36	20.53	20.34	20.70
3GPP Rel 6	HSDPA Subtest-4	12.62	12.60	12.86	13.20	20.29	20.43	20.40	20.70
3GPP Rel 8	DC-HSDPA Subtest-1	13.03	13.15	13.12	13.70	20.89	21.04	21.00	21.20
3GPP Rel 8	DC-HSDPA Subtest-2	13.15	13.24	13.05	13.70	20.88	21.08	21.01	21.20
3GPP Rel 8	DC-HSDPA Subtest-3	12.67	12.71	12.71	13.20	20.36	20.58	20.41	20.70
3GPP Rel 8	DC-HSDPA Subtest-4	12.64	12.63	12.57	13.20	20.41	20.42	20.46	20.70
3GPP Rel 6	HSUPA Subtest-1	13.05	13.23	13.10	13.70	20.81	20.97	20.98	21.20
3GPP Rel 6	HSUPA Subtest-2	11.20	11.15	11.21	11.70	18.81	18.99	18.96	19.20
3GPP Rel 6	HSUPA Subtest-3	12.23	12.22	12.22	12.70	19.92	19.89	20.02	20.20
3GPP Rel 6	HSUPA Subtest-4	11.13	11.18	11.16	11.70	18.88	18.91	18.86	19.20
3GPP Rel 6	HSUPA Subtest-5	13.15	13.24	13.21	13.70	20.85	20.93	20.88	21.20

GSM850 Ant1 DS13 standalone

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	32.57	32.36	32.31	33.50	23.57	23.36	23.31	24.50
GSM 1 Tx slot	32.57	32.36	32.31	33.50	23.57	23.36	23.31	24.50
GPRS 1 Tx slot	29.28	29.04	29.05	30.00	23.28	23.04	23.05	24.00
GPRS 2 Tx slots	28.08	28.14	28.08	29.50	23.82	23.88	23.82	25.24
GPRS 3 Tx slots	26.32	26.03	26.01	27.50	23.32	23.03	23.01	24.50
GPRS 4 Tx slots	25.35	25.26	25.44	27.00	16.35	16.26	16.44	18.00
EDGE 1 Tx slot	23.66	23.56	23.74	25.00	17.66	17.56	17.74	19.00
EDGE 2 Tx slots	22.43	22.37	22.52	24.00	18.17	18.11	18.26	19.74
EDGE 3 Tx slots	20.41	20.40	20.56	22.00	17.41	17.40	17.56	19.00
EDGE 4 Tx slots								

WCDMA V Ant1 DS13 standalone

Band		WCDMA V			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.51	23.61	23.74	24.50
3GPP Rel 99	RMC 12.2Kbps	23.54	23.87	23.77	24.50
3GPP Rel 6	HSDPA Subtest-1	22.85	22.77	22.90	23.50
3GPP Rel 6	HSDPA Subtest-2	22.63	22.74	22.89	23.50
3GPP Rel 6	HSDPA Subtest-3	22.15	22.28	22.40	23.00
3GPP Rel 6	HSDPA Subtest-4	22.13	22.25	22.37	23.00
3GPP Rel 8	DC-HSDPA Subtest-1	22.60	22.72	22.73	23.50
3GPP Rel 8	DC-HSDPA Subtest-2	22.49	22.58	22.82	23.50
3GPP Rel 8	DC-HSDPA Subtest-3	22.17	22.25	22.45	23.00
3GPP Rel 8	DC-HSDPA Subtest-4	22.20	22.21	22.46	23.00
3GPP Rel 6	HSUPA Subtest-1	22.62	22.76	22.86	23.50
3GPP Rel 6	HSUPA Subtest-2	20.60	20.73	20.84	21.50
3GPP Rel 6	HSUPA Subtest-3	21.63	21.71	21.83	22.50
3GPP Rel 6	HSUPA Subtest-4	20.62	20.67	20.85	21.50
3GPP Rel 6	HSUPA Subtest-5	22.60	22.70	22.80	23.50

GSM850 Ant1 DS13 simultaneous								
Band		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)		
TX Channel		123	189	251		123	189	251
Frequency (MHz)		824.2	836.4	848.6		824.2	836.4	848.6
GSM 1 Tx slot		31.82	31.80	32.25	32.40	22.92	22.80	23.25
GPRS 1 Tx slot		31.79	31.78	32.23	32.40	22.79	22.78	23.23
GPRS 2 Tx slots		28.70	28.54	28.53	29.40	22.70	22.54	22.53
GPRS 3 Tx slots		26.86	26.93	26.92	27.70	22.60	22.67	22.66
GPRS 4 Tx slots		25.68	25.45	25.40	26.40	22.68	22.45	22.40
EDGE 1 Tx slot		25.35	25.26	25.44	27.00	16.35	16.26	16.44
EDGE 2 Tx slots		23.06	23.56	23.74	25.00	17.66	17.56	17.74
EDGE 3 Tx slots		22.43	22.37	22.52	24.00	18.17	18.11	18.26
EDGE 4 Tx slots		20.41	20.40	20.56	22.00	17.41	17.40	17.56

WCDMA V Ant1 DS13 simultaneous					
Band		WCDMA V			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99 AMR 12.2Kbps		23.51	23.61	23.74	24.50
3GPP Rel 99 RMC 12.2Kbps		23.51	23.77	23.58	24.50
3GPP Rel 6 HSDPA Subtest-1		22.85	22.77	22.90	23.50
3GPP Rel 6 HSDPA Subtest-2		22.63	22.74	22.89	23.50
3GPP Rel 6 HSDPA Subtest-3		22.15	22.28	22.40	23.00
3GPP Rel 6 HSDPA Subtest-4		22.13	22.25	22.37	23.00
3GPP Rel 8 DC-HSDPA Subtest-1		22.60	22.72	22.73	23.50
3GPP Rel 8 DC-HSDPA Subtest-2		22.49	22.58	22.62	23.50
3GPP Rel 8 DC-HSDPA Subtest-3		22.17	22.25	22.45	23.00
3GPP Rel 8 DC-HSDPA Subtest-4		22.20	22.21	22.46	23.00
3GPP Rel 6 HSUPA Subtest-1		22.62	22.76	22.86	23.50
3GPP Rel 6 HSUPA Subtest-2		20.60	20.73	20.84	21.50
3GPP Rel 6 HSUPA Subtest-3		21.63	21.71	21.83	22.50
3GPP Rel 6 HSUPA Subtest-4		20.62	20.67	20.85	21.50
3GPP Rel 6 HSUPA Subtest-5		22.60	22.70	22.80	23.50

Band 2 Ant0 DS13 standalone										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up Init. (dB)	MPE (dB)		
Channel										
1880 1880 1880 1880										
20	QPSK	1	0	18.57	18.73	18.62				
20	QPSK	1	49	18.63	18.63	18.62	19.1	0		
20	QPSK	1	99	18.61	18.65	18.66				
20	QPSK	50	0	18.59	18.71	18.66				
20	QPSK	50	24	18.52	18.59	18.7	19.1	0		
20	QPSK	50	50	18.52	18.7	18.66				
20	QPSK	100	0	18.6	18.7	18.67				
20	16QAM	1	0	18.41	18.67	18.61				
20	16QAM	1	49	18.56	18.58	18.48	19.1	0		
20	16QAM	1	99	18.52	18.49	18.51				
20	16QAM	50	0	18.46	18.61	18.63				
20	16QAM	50	24	18.45	18.58	18.56	19.1	0		
20	16QAM	50	50	18.41	18.56	18.5				
20	16QAM	100	0	18.43	18.56	18.52				
20	64QAM	1	0	18.45	18.69	18.59				
20	64QAM	1	49	18.55	18.59	18.52	19.1	0		
20	64QAM	1	99	18.56	18.48	18.50				
20	64QAM	50	24	18.43	18.56	18.52	19.1	0		
20	64QAM	50	50	18.45	18.56	18.65				
20	64QAM	100	0	18.48	18.58	18.59				
20	256QAM	1	0	18.51	18.67	18.52				
20	256QAM	1	49	18.51	18.54	18.47	19.1	0		
20	256QAM	1	99	18.40	18.5	18.58				
20	256QAM	50	0	18.52	18.67	18.52				
20	256QAM	50	24	18.44	18.41	18.55	19.1	0		
20	256QAM	50	50	18.4	18.64	18.8				
20	256QAM	100	0	18.48	18.6	18.5				
Channel										
1887.5 1887.5 1887.5 1887.5										
15	QPSK	1	0	18.53	18.65	18.49				
15	QPSK	1	37	18.6	18.48	18.62	19.1	0		
15	QPSK	1	74	18.68	18.53	18.6				
15	QPSK	36	0	18.44	18.64	18.36				
15	QPSK	36	20	18.39	18.52	18.1	19.1	0		
15	QPSK	36	36	18.42	18.68	18.46				
15	QPSK	75	0	18.58	18.58	18.49				
15	16QAM	1	0	18.33	18.52	18.38				
15	16QAM	1	37	18.46	18.53	18.39	19.1	0		
15	16QAM	1	74	18.42	18.46	18.45				
15	16QAM	36	20	18.37	18.52	18.51	19.1	0		
15	16QAM	36	36	18.32	18.5	18.4				
15	16QAM	75	0	18.25	18.58	18.46				
15	64QAM	1	0	18.28	18.66	18.45	19.1	0		
15	64QAM	1	37	18.27	18.47	18.45				
15	64QAM	1	74	18.52	18.44	18.56				
15	64QAM	36	0	18.51	18.45	18.56				
15	64QAM	36	20	18.4	18.47	18.45	19.1	0		
15	64QAM	36	36	18.33	18.53	18.55				
15	64QAM	75	0	18.35	18.52	18.55				
15	256QAM	1	0	18.31	18.55	18.46				
15	256QAM	1	37	18.49	18.35	18.35	19.1	0		
15	256QAM	1	74	18.43	18.46	18.46				
15	256QAM	36	20	18.4	18.36	18.41				
15	256QAM	36	36	18.34	18.28	18.45	19.1	0		
15	256QAM	36	75	18.25	18.62	18.42				
15	256QAM	75	0	18.45	18.4	18.3				
Channel										
1892.5 1892.5 1892.5 1892.5										
5	QPSK	1	0	18.49	18.73	18.61				
5	QPSK	1	25	18.46	18.48	18.62	19.1	0		
5	QPSK	1	49	18.47	18.6	18.49				
5	QPSK	12	0	18.54	18.54	18.46				
5	QPSK	25	12	18.35	18.42	18.65	19.1	0		
5	QPSK	25	26	18.46	18.62	18.47				
5	16QAM	1	0	18.46	18.57	18.45				
5	16QAM	1	49	18.31	18.58	18.34	19.1	0		
5	16QAM	1	12	18.46	18.58	18.39				
5	16QAM	1	24	18.48	18.34	18.46				
5	16QAM	12	0	18.32	18.53	18.8				
5	16QAM	12	7	18.3	18.52	18.3	19.1	0		
5	16QAM	12	13	18.31	18.47	18.43				
5	16QAM	25	0	18.37	18.62	18.37				
5	64QAM	1	0	18.41	18.52	18.57	19.1	0		
5	64QAM	1	12	18.4	18.42	18.62				
5	64QAM	1	24	18.51	18.36	18.45				
5	64QAM	12	0	18.48	18.53	18.51				
5	64QAM	12	7	18.39	18.5	18.49	19.1	0		
5	64QAM	12	13	18.38	18.52	18.58				
5	64QAM	25	0	18.36	18.46	18.47				
5	256QAM	1	0	18.35	18.5	18.5				
5	256QAM	1	12	18.36	18.5	18.3	19.1	0		
5	256QAM	1	24	18.34	18.34	18.46				
5	256QAM	12	0	18.4	18.39	18.4				
5	256QAM	12	7	18.3	18.24	18.45	19.1	0		
5	256QAM	12	13	18.29	18.51	18.57				
5	256QAM	25	0	18.38	18.47	18.46				
Channel										
1897.5 1897.5 1897.5 1897.5										
3	QPSK	1	0	18.45	18.62	18.44				
3	QPSK	1	3	18.53	18.57	18.48	19.1	0		
3	QPSK	1	14	18.46	18.6	18.59				
3	QPSK	3	0	18.5	18.57	18.52				
3	QPSK	3	4	18.45	18.58	18.52	19.1	0		
3	QPSK	3	7	18.35	18.57	18.53				
3	QPSK	15	0	18.5	18.51	18.59				
3	16QAM	1	0	18.38	18.53	18.35				
3	16QAM	1	8	18.43	18.49	18.44	19.1	0		
3	16QAM	1	14	18.47	18.46	18.48				
3	16QAM	8	0	18.43	18.51	18.51				
3	16QAM	8	4	18.34	18.54	18.57	19.1	0		
3	16QAM	8	7	18.32	18.45	18.54				
3	16QAM	15	0	18.38	18.51	18.54				
3	64QAM	1	0	18.4	18.63	18.24	19.1	0		
3	64QAM	1	8	18.51	18.56	18.8				
3	64QAM	1	14	18.4	18.42	18.48				
3	64QAM	8	0	18.38	18.53	18.5				
3	64QAM	8	4	18.3	18.52	18.49	19.1	0		
3	64QAM	8	7	18.42	18.44	18.59				
3	64QAM	15	0	18.42	18.55	18.44				
3	256QAM	1	0	18.39	18.62	18.37				
3	256QAM	1	8	18.36	18.51	18.39	19.1	0		
3	256QAM	1	14	18.32	18.49	18.32				
3	256QAM	8	0	18.52	18.33	18.39				
3	256QAM	8	4	18.37	18.32	18.49	19.1	0		
3	256QAM	8	7	18.35	18.49	18.47				
3	256QAM	15	0	18.41	18.51	18.46				
Channel										
1897.5 1897.5 1897.5 1897.5										
1.4	QPSK	1	0	18.5	18.66	18.44				
1.4	QPSK	1	3	18.53	18.59	18.48	19.1	0		
1.4	QPSK	1	14	18.46	18.6	18.59				
1.4	QPSK	3	0	18.58	18.57	18.51				
1.4	QPSK	3	4	18.48	18.57	18.53	19.1	0		
1.4	QPSK	3	7	18.37	18.57	18.53				
1.4	QPSK	15	0	18.54	18.53	18.57				
1.4	QPSK	3	3	18.44	18.63	18.52				
1.4	QPSK	6	0	18.43	18.66	18.57	19.1	0		
1.4	QPSK	6	4	18.4	18.43	18.45				
1.4	QPSK	6	7	18.35	18.41	18.38				
1.4	16QAM	1	0	18.38	18.39	18.47	19.1	0		
1.4	16QAM	1	3	18.47	18.53	18.47				
1.4	16QAM	1	14	18.3	18.47	18.51				
1.4	16QAM	3	0	18.27	18.42	18.46				
1.4	16QAM	3	4	18.32	18.32	18.37	19.1	0		
1.4	16QAM	3	7	18.31	18.6	18.49				
1.4	16QAM	15	0	18.5	18.51	18.52				
1.4	64QAM	1	0	18.41	18.43	18.45				
1.4	64QAM	1	3	18.51	18.54	18.45				
1.4	64QAM	1	14	18.28	18.51	18.5				
1.4	64QAM	3	0	18.45	18.33	18.53	19.1	0		
1.4	64QAM	3	4	18.36	18.36	18.37				
1.4	64QAM	3	7	18.27	18.39	18.41				
1.4	64QAM	15	0	18.47	18.39	18.39	19.1	0		
1.4	256QAM	1	0	18.41	18.25	18.44				
1.4	256QAM	3	3	18.24	18.52	18.48				



Band 7 Ant0 DS13 standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up time (s)	MPE (dB)	
Channel									
				2510	25100	25150			
20	QPSK	1	0	18.7	18.68	18.56	20.2	0	
20	QPSK	1	49	18.59	18.77	18.73			
20	QPSK	1	99	18.68	18.68	18.68			
20	QPSK	50	0	18.59	18.73	18.53			
20	QPSK	50	24	18.46	18.6	18.59			
20	QPSK	50	50	18.9	18.72	18.66	20.2	0	
20	HQAM	1	0	18.53	18.59	18.54			
20	HQAM	1	49	18.58	18.59	18.61			
20	HQAM	1	99	18.59	18.48	18.52			
20	HQAM	50	0	18.37	18.59	18.59			
20	HQAM	50	24	18.33	18.47	18.67	20.2	0	
20	HQAM	50	50	18.59	18.64	18.59			
20	HQAM	100	0	18.42	18.63	18.52			
20	HQAM	1	0	18.49	18.67	18.53			
20	HQAM	1	49	18.46	18.42	18.45			
20	HQAM	1	99	18.65	18.39	18.65	20.2	0	
20	HQAM	50	0	18.49	18.56	18.59			
20	HQAM	50	24	18.54	18.45	18.61			
20	HQAM	50	50	18.47	18.57	18.68			
20	HQAM	100	0	18.59	18.62	18.51			
20	HQAM	1	0	18.41	18.61	18.49	20.2	0	
20	HQAM	1	49	18.49	18.33	18.47			
20	HQAM	1	99	18.39	18.26	18.43			
20	HQAM	50	0	18.47	18.47	18.47			
20	HQAM	50	24	18.32	18.34	18.5			
20	HQAM	50	50	18.41	18.45	18.5	20.2	0.2	
20	HQAM	100	0	18.59	18.59	18.59			
Channel				2550.5	25100	25170			Turn-up time (s)
15	QPSK	1	0	18.64	18.74	18.43	20.2	0	
15	QPSK	1	37	18.49	18.68	18.67			
15	QPSK	1	74	18.59	18.33	18.67			
15	QPSK	36	0	18.46	18.59	18.47			
15	QPSK	36	36	18.49	18.48	18.39			
15	QPSK	36	36	18.41	18.66	18.67	20.2	0	
15	QPSK	75	0	18.36	18.53	18.43			
15	HQAM	1	0	18.46	18.51	18.51			
15	HQAM	1	37	18.51	18.55	18.55			
15	HQAM	1	74	18.49	18.36	18.49			
15	HQAM	36	0	18.22	18.47	18.52	20.2	0	
15	HQAM	36	36	18.25	18.47	18.57			
15	HQAM	36	20	18.24	18.34	18.39			
15	HQAM	75	0	18.25	18.39	18.39			
15	HQAM	75	0	18.29	18.57	18.37			
15	HQAM	1	0	18.34	18.54	18.36	20.2	0	
15	HQAM	1	37	18.49	18.49	18.49			
15	HQAM	1	74	18.58	18.33	18.57			
15	HQAM	36	0	18.35	18.44	18.32			
15	HQAM	36	36	18.33	18.45	18.33			
15	HQAM	36	36	18.3	18.33	18.33	20.2	0.2	
15	HQAM	75	0	18.45	18.57	18.39			
15	HQAM	75	0	18.43	18.57	18.39			
15	HQAM	75	0	18.43	18.57	18.39			
15	HQAM	75	0	18.43	18.57	18.39			
Channel				2550.5	25100	25170	Turn-up time (s)	MPE (dB)	
5	QPSK	1	0	18.61	18.79	18.5	20.2	0	
5	QPSK	1	24	18.44	18.42	18.42			
5	QPSK	1	49	18.59	18.58	18.53			
5	QPSK	1	99	18.52	18.52	18.44			
5	QPSK	25	12	18.41	18.52	18.47			
5	QPSK	25	25	18.44	18.56	18.55	20.2	0	
5	QPSK	50	0	18.37	18.49	18.52			
5	QPSK	50	0	18.43	18.48	18.48			
5	HQAM	1	25	18.43	18.53	18.51			
5	HQAM	1	49	18.48	18.57	18.57			
5	HQAM	25	0	18.3	18.47	18.53	20.2	0	
5	HQAM	25	12	18.54	18.32	18.62			
5	HQAM	25	25	18.47	18.35	18.47			
5	HQAM	50	0	18.31	18.56	18.37			
5	HQAM	1	0	18.31	18.52	18.45			
5	HQAM	1	25	18.36	18.3	18.31	20.2	0	
5	HQAM	1	49	18.58	18.25	18.58			
5	HQAM	25	0	18.4	18.43	18.43			
5	HQAM	25	12	18.47	18.35	18.47			
5	HQAM	25	25	18.45	18.51	18.58			
5	HQAM	50	0	18.47	18.54	18.45	20.2	0.2	
5	HQAM	1	0	18.25	18.41	18.28			
5	HQAM	1	25	18.34	18.27	18.43			
5	HQAM	1	49	18.28	18.35	18.35			
5	HQAM	25	0	18.35	18.37	18.3			
5	HQAM	25	12	18.54	18.35	18.35	20.2	0.2	
5	HQAM	25	25	18.35	18.4	18.46			
5	HQAM	50	0	18.3	18.35	18.37			
Channel				2550.5	25100	25170	Turn-up time (s)	MPE (dB)	
5	QPSK	1	0	18.55	18.79	18.5	20.2	0	
5	QPSK	1	12	18.48	18.69	18.61			
5	QPSK	1	24	18.54	18.52	18.57			
5	QPSK	1	49	18.48	18.47	18.43			
5	QPSK	12	7	18.39	18.54	18.43			
5	QPSK	12	19	18.34	18.58	18.58	20.2	0	
5	QPSK	12	31	18.37	18.48	18.47			
5	HQAM	1	0	18.47	18.59	18.49			
5	HQAM	1	12	18.46	18.6	18.4			
5	HQAM	12	0	18.29	18.43	18.62			
5	HQAM	12	7	18.24	18.36	18.63	20.2	0	
5	HQAM	12	19	18.48	18.43	18.43			
5	HQAM	25	0	18.37	18.58	18.43			
5	HQAM	25	0	18.31	18.52	18.44			
5	HQAM	25	12	18.39	18.4	18.43			
5	HQAM	1	24	18.24	18.56	18.59	20.2	0.2	
5	HQAM	12	0	18.4	18.42	18.45			
5	HQAM	12	13	18.44	18.43	18.4			
5	HQAM	25	0	18.49	18.55	18.47			
5	HQAM	25	12	18.3	18.47	18.47			
5	HQAM	1	12	18.37	18.27	18.39	20.2	0.2	
5	HQAM	12	24	18.33	18.39	18.36			
5	HQAM	12	31	18.38	18.4	18.38			
5	HQAM	12	7	18.22	18.3	18.39	20.2	0.2	
5	HQAM	12	19	18.36	18.37	18.4			
5	HQAM	12	31	18.38	18.33	18.3			

Band 2 Ant0 DS33 simultaneous												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up rate (dB)	MPE (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	14.56	14.6	14.44			15.7	0		
20	QPSK	1	49	14.56	14.48	14.24						
20	QPSK	1	99	14.69	14.52	14.31			15.7	0		
20	QPSK	50	0	14.47	14.63	14.31						
20	QPSK	50	24	14.43	14.5	14.38			15.7	0		
20	QPSK	50	50	14.46	14.46	14.31						
20	QPSK	100	0	14.43	14.55	14.47			15.7	0		
20	16QAM	50	0	14.42	14.42	14.42						
20	16QAM	1	49	14.41	14.45	14.45			15.7	0		
20	16QAM	1	99	14.43	14.47	14.52						
20	16QAM	50	0	14.3	14.29	14.38			15.7	0		
20	16QAM	50	24	14.39	14.41	14.34						
20	16QAM	50	50	14.52	14.38	14.31			15.7	0		
20	16QAM	100	0	14.34	14.49	14.42						
20	84QAM	1	0	14.33	14.51	14.49			15.7	0		
20	84QAM	1	49	14.36	14.6	14.41						
20	84QAM	1	99	14.34	14.53	14.25			15.7	0		
20	84QAM	50	0	14.32	14.42	14.38						
20	84QAM	50	24	14.38	14.35	14.4			15.7	0		
20	84QAM	50	50	14.4	14.36	14.31						
20	256QAM	100	0	14.42	14.31	14.26			15.7	0		
20	256QAM	1	49	14.48	14.27	14.21						
20	256QAM	1	99	14.31	14.37	14.31			15.7	0		
20	256QAM	50	24	14.36	14.31	14.31						
20	256QAM	50	50	14.32	14.3	14.32			15.7	0		
20	256QAM	50	100	14.31	14.45	14.33						
20	256QAM	50	150	14.29	14.4	14.31			15.7	0		
Channel												
Frequency (MHz)												
15	QPSK	1	0	14.57	14.68	14.6			15.7	0		
15	QPSK	1	37	14.58	14.67	14.67						
15	QPSK	1	74	14.58	14.37	14.37			15.7	0		
15	QPSK	36	0	14.33	14.33	14.27						
15	QPSK	36	25	14.3	14.39	14.3			15.7	0		
15	QPSK	36	36	14.33	14.39	14.44						
15	QPSK	75	0	14.36	14.46	14.33			15.7	0		
15	16QAM	1	0	14.31	14.35	14.28						
15	16QAM	1	37	14.31	14.33	14.38			15.7	0		
15	16QAM	1	74	14.27	14.31	14.4						
15	16QAM	36	0	14.21	14.31	14.23			15.7	0		
15	16QAM	36	25	14.25	14.31	14.45						
15	16QAM	36	36	14.26	14.39	14.3			15.7	0		
15	16QAM	75	0	14.26	14.39	14.3						
15	84QAM	1	0	14.24	14.42	14.27			15.7	0		
15	84QAM	1	37	14.26	14.47	14.27						
15	84QAM	1	74	14.28	14.47	14.33			15.7	0		
15	84QAM	36	0	14.15	14.23	14.2						
15	84QAM	36	25	14.16	14.23	14.38			15.7	0		
15	84QAM	36	36	14.29	14.21	14.33						
15	84QAM	75	0	14.31	14.23	14.29			15.7	0		
15	256QAM	1	37	14.33	14.23	14.38						
15	256QAM	1	74	14.27	14.23	14.23			15.7	0		
15	256QAM	36	0	14.17	14.3	14.2						
15	256QAM	36	25	14.27	14.14	14.23			15.7	0		
15	256QAM	36	36	14.19	14.37	14.22						
15	256QAM	75	0	14.17	14.3	14.28			15.7	0		
Channel												
Frequency (MHz)												
15	QPSK	1	0	14.47	14.71	14.4			15.7	0		
15	QPSK	1	25	14.4	14.63	14.3						
15	QPSK	1	49	14.54	14.44	14.3			15.7	0		
15	QPSK	50	0	14.42	14.56	14.21						
15	QPSK	25	12	14.39	14.44	14.32			15.7	0		
15	QPSK	25	26	14.36	14.4	14.43						
15	16QAM	50	0	14.36	14.44	14.31			15.7	0		
15	16QAM	1	49	14.38	14.33	14.38						
15	16QAM	1	26	14.31	14.36	14.34			15.7	0		
15	16QAM	1	49	14.33	14.35	14.35						
15	16QAM	25	0	14.19	14.17	14.33			15.7	0		
15	16QAM	25	12	14.27	14.28	14.41						
15	16QAM	25	26	14.27	14.2	14.29			15.7	0		
15	16QAM	50	0	14.26	14.32	14.21						
15	84QAM	1	0	14.25	14.4	14.32			15.7	0		
15	84QAM	1	25	14.33	14.21	14.42						
15	84QAM	1	49	14.24	14.48	14.34			15.7	0		
15	84QAM	25	0	14.17	14.2	14.14						
15	84QAM	25	12	14.15	14.27	14.33			15.7	0		
15	84QAM	25	26	14.27	14.2	14.29						
15	84QAM	50	0	14.26	14.32	14.21			15.7	0		
15	256QAM	1	24	14.31	14.24	14.28						
15	256QAM	1	26	14.33	14.21	14.42			15.7	0		
15	256QAM	1	49	14.22	14.29	14.16						
15	256QAM	25	0	14.13	14.25	14.29			15.7	0		
15	256QAM	25	12	14.26	14.24	14.2						
15	256QAM	25	26	14.26	14.41	14.24			15.7	0		
15	256QAM	50	0	14.14	14.25	14.28						
Channel												
Frequency (MHz)												
15	QPSK	1	0	14.47	14.71	14.4			15.7	0		
15	QPSK	1	25	14.4	14.63	14.3						
15	QPSK	1	49	14.54	14.44	14.3			15.7	0		
15	QPSK	50	0	14.42	14.56	14.21						
15	QPSK	25	12	14.39	14.44	14.32			15.7	0		
15	QPSK	25	26	14.36	14.4	14.43						
15	16QAM	50	0	14.36	14.44	14.31			15.7	0		
15	16QAM	1	49	14.38	14.33	14.38						
15	16QAM	1	26	14.31	14.36	14.34			15.7	0		
15	16QAM	1	49	14.33	14.35	14.35						
15	16QAM	25	0	14.19	14.17	14.33			15.7	0		
15	16QAM	25	12	14.27	14.28	14.41						
15	16QAM	25	26	14.27	14.2	14.29			15.7	0		
15	16QAM	50	0	14.26	14.32	14.21						
15	84QAM	1	0	14.25	14.4	14.32			15.7	0		
15	84QAM	1	25	14.33	14.21	14.42						
15	84QAM	1	49	14.24	14.48	14.34			15.7	0		
15	84QAM	25	0	14.17	14.2	14.14						
15	84QAM	25	12	14.15	14.27	14.33			15.7	0		
15	84QAM	25	26	14.27	14.2	14.29						
15	84QAM	50	0	14.26	14.32	14.21			15.7	0		
15	256QAM	1	24	14.31	14.24	14.28						
15	256QAM	1	26	14.33	14.21	14.42			15.7	0		
15	256QAM	1	49	14.22	14.29	14.16						
15	256QAM	25	0	14.13	14.25	14.29			15.7	0		
15	256QAM	25	12	14.26	14.24	14.2						
15	256QAM	25	26	14.26	14.41	14.24			15.7	0		
15	256QAM	50	0	14.14	14.25	14.28						
Channel												
Frequency (MHz)												
15	QPSK	1	0	14.47	14.71	14.4			15.7	0		
15	QPSK	1	25	14.4	14.63	14.3						
15	QPSK	1	49	14.54	14.44	14.3			15.7	0		
15	QPSK	50	0	14.42	14.56	14.21						
15	QPSK	25	12	14.39	14.44	14.32			15.7	0		
15	QPSK	25	26	14.36	14.4	14.43						
15	16QAM	50	0	14.36	14.44	14.31			15.7	0		
15	16QAM	1	49	14.38	14.33	14.38						
15	16QAM	1	26	14.31	14.36	14.34			15.7	0		
15	16QAM	1	49	14.33	14.35	14.35						
15	16QAM	25	0	14.19	14.17	14.33			15.7	0		
15	16QAM	25	12	14.27	14.28	14.41						
15	16QAM	25	26	14.27	14.2	14.29			15.7	0		
15	16QAM	50	0	14.26	14.32	14.21						
15	84QAM	1	0	14.25	14.4	14.32			15.7	0		
15	84QAM	1	25	14.33	14.21	14.42						
15	84QAM	1	49	14.24	14.48	14.34			15.7	0		
15	84QAM	25	0	14.17	14.2	14.14						
15	84QAM	25	12	14.15	14.27	14.33			15.7	0		
15	84QAM	25	26	14.27	14.2	14.29						
15	84QAM	50	0	14.26	14.32	14.21			15.7	0		
15	256QAM	1	24	14.31	14.24	14.28						
15	256QAM	1	26	14.33	14.21	14.42			15.7	0		
15	256QAM	1	49	14.22	14.29	14.16						
15	256QAM	25	0	14.13	14.25	14.29			15.7	0		
15	256QAM	25	12	14.26	14.24	14.2						
15	256QAM	25	26	14.26	14.41	14.24			15.7	0		
15	256QAM	50	0	14.14	14.25	14.28						
Channel												
Frequency (MHz)												
15	QPSK	1	0	14.47	14.71	14.4			15.7	0		
15	QPSK	1	25	14.4	14.63	14.3						
15	QPSK	1	49	14.54	14.44	14.3			15.7	0		
15	QPSK	50	0	14.42	14.56	14.21						
15	QPSK	25	12	14.39	14.44	14.32			15.7	0		
15	QPSK	25	26	14.36	14.4	14.43						
15	16QAM	50	0	14.36	14.44	14.31			15.7	0		
15	16QAM	1	49	14.38	14.33	14.38						
15	16QAM	1	26	14.31	14.36	14.34			15.7	0		
15	16QAM	1	49	14.33	14.35	14.35						
15	16QAM											



Band 7 Ant0 DS13 simultaneous											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up (dB)	MPE (dB)			
Channel											
Frequency (MHz)				20860	21100	21360					
20	QPSK	1	0	14.59	14.70	14.52	15	0			
20	QPSK	1	49	14.62	14.58	14.58					
20	QPSK	1	99	14.6	14.63	14.6					
20	QPSK	50	24	14.53	14.62	14.47					
20	QPSK	50	49	14.59	14.54	14.55	15	0			
20	QPSK	100	0	14.47	14.49	14.46					
20	HQAM	1	0	14.56	14.56	14.56					
20	HQAM	1	49	14.43	14.59	14.65					
20	HQAM	50	0	14.42	14.56	14.59	15	0			
20	HQAM	50	24	14.5	14.63	14.51					
20	HQAM	50	50	14.46	14.5	14.59					
20	HQAM	100	0	14.3	14.46	14.59					
20	HQAM	1	0	14.62	14.63	14.52	15	0			
20	HQAM	1	49	14.55	14.6	14.56					
20	HQAM	1	99	14.64	14.6	14.61					
20	HQAM	50	0	14.52	14.63	14.58					
20	HQAM	50	24	14.59	14.58	14.57	15	0			
20	HQAM	50	50	14.67	14.58	14.51					
20	HQAM	100	0	14.54	14.61	14.57					
Frequency (MHz)				20860	21100	21375			Turn-up (dB)	MPE (dB)	
15	QPSK	1	0	14.63	14.65	14.4	15	0			
15	QPSK	1	37	14.5	14.48	14.5					
15	QPSK	1	74	14.44	14.56	14.48					
15	QPSK	36	0	14.44	14.62	14.31					
15	QPSK	36	20	14.63	14.56	14.37	15	0			
15	QPSK	36	36	14.39	14.41	14.39					
15	QPSK	75	0	14.31	14.44	14.5					
15	HQAM	1	0	14.49	14.56	14.4					
15	HQAM	1	37	14.35	14.53	14.57	15	0			
15	HQAM	1	74	14.38	14.28	14.49					
15	HQAM	36	0	14.37	14.46	14.53					
15	HQAM	36	20	14.46	14.5	14.29					
15	HQAM	75	0	14.37	14.48	14.53	15	0			
15	HQAM	75	0	14.38	14.38	14.45					
15	HQAM	1	0	14.48	14.49	14.42					
15	HQAM	1	37	14.47	14.47	14.47					
15	HQAM	1	74	14.52	14.52	14.51	15	0			
15	HQAM	36	0	14.39	14.38	14.5					
15	HQAM	36	20	14.42	14.42	14.48					
15	HQAM	36	36	14.43	14.46	14.35					
15	HQAM	75	0	14.48	14.58	14.52	15	0			
15	HQAM	75	0	14.49	14.56	14.4					
15	HQAM	1	0	14.56	14.51	14.43					
15	HQAM	1	37	14.51	14.56	14.56					
15	HQAM	36	20	14.38	14.38	14.4	15	0			
15	HQAM	36	36	14.45	14.49	14.42					
15	HQAM	75	0	14.43	14.5	14.5					
Channel											
Frequency (MHz)				20860	21100	21400	Turn-up (dB)	MPE (dB)			
10	QPSK	1	0	14.61	14.66	14.62	15	0			
10	QPSK	1	24	14.39	14.48	14.41					
10	QPSK	1	49	14.48	14.56	14.45					
10	QPSK	25	0	14.58	14.58	14.58					
10	QPSK	25	12	14.47	14.53	14.41	15	0			
10	QPSK	25	25	14.41	14.46	14.41					
10	QPSK	50	0	14.33	14.38	14.33					
10	HQAM	1	0	14.53	14.53	14.53					
10	HQAM	1	25	14.37	14.44	14.49	15	0			
10	HQAM	1	49	14.38	14.46	14.46					
10	HQAM	25	0	14.37	14.44	14.45					
10	HQAM	25	12	14.4	14.57	14.45					
10	HQAM	50	0	14.44	14.42	14.46	15	0			
10	HQAM	1	0	14.52	14.53	14.39					
10	HQAM	1	25	14.5	14.51	14.41					
10	HQAM	1	49	14.55	14.53	14.55					
10	HQAM	25	0	14.47	14.49	14.53	15	0			
10	HQAM	25	12	14.46	14.42	14.46					
10	HQAM	50	0	14.46	14.52	14.45					
10	HQAM	1	0	14.5	14.56	14.52					
10	HQAM	1	25	14.52	14.48	14.52	15	0			
10	HQAM	1	49	14.5	14.58	14.45					
10	HQAM	25	0	14.48	14.51	14.36					
10	HQAM	25	12	14.41	14.52	14.35					
10	HQAM	50	0	14.44	14.49	14.48	15	0			
10	HQAM	1	0	14.43	14.5	14.5					
10	HQAM	1	25	14.55	14.53	14.53					
10	HQAM	1	49	14.55	14.53	14.55					
10	HQAM	25	0	14.47	14.49	14.53	15	0			
10	HQAM	25	12	14.46	14.42	14.46					
10	HQAM	50	0	14.46	14.52	14.45					
10	HQAM	1	0	14.5	14.56	14.52					
10	HQAM	1	25	14.52	14.48	14.52	15	0			
10	HQAM	1	49	14.5	14.58	14.45					
10	HQAM	25	0	14.48	14.51	14.36					
10	HQAM	25	12	14.41	14.52	14.35					

Band 2 Ant1 DS13 standalone											
SR (MHz)	Modulation	RB Size	RB Offset	Power Lvl Ch./Freq.	Power Max Ch./Freq.	Power Cap Ch./Freq.	Turn-on time (μs)	APR3 (dB)			
Channel											
Frequency (MHz)				1800	1800	1800					
20	QPSK	1	0	20.47	20.7	20.54	21.5	0			
20	QPSK	1	50	20.43	20.48	20.48					
20	QPSK	1	100	20.43	20.66	20.49					
20	QPSK	50	0	20.51	20.69	20.67	21.5	0			
20	QPSK	50	24	20.57	20.62	20.61					
20	QPSK	50	50	20.56	20.54	20.5					
20	QPSK	100	0	20.56	20.55	20.61					
20	16QAM	1	0	20.48	20.45	20.27	21.5	0			
20	16QAM	1	49	20.50	20.5	20.53					
20	16QAM	1	99	20.44	20.61	20.55					
20	16QAM	50	0	20.31	20.36	20.46	21.5	0			
20	16QAM	50	24	20.34	20.52	20.54					
20	16QAM	50	50	20.4	20.38	20.53					
20	16QAM	100	0	20.32	20.46	20.49					
20	256QAM	1	0	18.16	18.16	18.16					
20	256QAM	1	49	18.16	18.28	18.28	19	2.5			
20	256QAM	1	99	18.16	18.33	18.28					
20	256QAM	50	0	18.16	18.27	18.24					
20	256QAM	50	24	18.14	18.17	18.15	19	2.5			
20	256QAM	50	50	18.08	18.2	18.21					
20	256QAM	100	0	18.07	18.18	18.14					
Channel											
Frequency (MHz)				1801.5	1801.5	1801.5	Turn-on time (μs)	APR3 (dB)			
15	QPSK	1	0	20.41	20.42	20.43	21.5	0			
15	QPSK	1	50	20.37	20.36	20.3					
15	QPSK	1	100	20.34	20.37	20.33					
15	QPSK	36	0	20.38	20.5	20.65					
15	QPSK	36	24	20.41	20.3	20.44	21.5	0			
15	QPSK	36	50	20.28	20.29	20.47					
15	QPSK	75	0	20.3	20.35	20.24					
15	16QAM	1	0	20.36	20.37	20.33	21.5	0			
15	16QAM	1	37	20.44	20.41	20.42					
15	16QAM	1	74	20.42	20.35	20.35					
15	16QAM	36	0	20.17	20.28	20.61	21.5	0			
15	16QAM	36	24	20.36	20.36	20.33					
15	16QAM	36	50	20.16	20.37	20.42					
15	16QAM	75	0	20.35	20.36	20.52					
15	64QAM	1	0	20.31	20.4	20.36	21.5	0			
15	64QAM	1	37	20.36	20.47	20.37					
15	64QAM	1	74	20.34	20.37	20.28					
15	64QAM	36	0	20.22	20.13	20.4	21.5	0			
15	64QAM	36	24	20.23	20.35	20.53					
15	64QAM	36	50	20.28	20.19	20.33					
15	64QAM	75	0	20.22	20.32	20.31					
15	256QAM	1	0	18.02	18.07	18.01	19	2.5			
15	256QAM	1	37	18.15	18.24	18.25					
15	256QAM	1	74	18.16	18.24	18.22					
15	256QAM	36	0	18.14	18.24	18.25					
15	256QAM	36	24	18.14	18.11	18.11	19	2.5			
15	256QAM	36	50	18.08	18.2	18.14					
15	256QAM	75	0	18.08	18.08	18.04					
Channel											
Frequency (MHz)				1803	1803	1803	Turn-on time (μs)	APR3 (dB)			
10	QPSK	1	0	20.4	20.45	20.37	21.5	0			
10	QPSK	1	49	20.31	20.27	20.48					
10	QPSK	1	99	20.36	20.66	20.55					
10	QPSK	25	0	20.36	20.36	20.55					
10	QPSK	25	12	20.47	20.33	20.53	21.5	0			
10	QPSK	25	25	20.33	20.28	20.28					
10	QPSK	50	0	20.25	20.44	20.22					
10	16QAM	1	0	20.4	20.27	20.19	21.5	0			
10	16QAM	1	24	20.41	20.41	20.4					
10	16QAM	1	49	20.3	20.47	20.35					
10	16QAM	25	0	20.23	20.18	20.41	21.5	0			
10	16QAM	25	12	20.32	20.18	20.37					
10	16QAM	25	25	20.31	20.37	20.37					
10	16QAM	50	0	20.33	20.24	20.56					
10	64QAM	1	0	20.37	20.44	20.46	21.5	0			
10	64QAM	1	25	20.33	20.46	20.27					
10	64QAM	1	49	20.04	20.38	20.25					
10	64QAM	25	0	20.28	20.17	20.43	21.5	0			
10	64QAM	25	12	20.23	20.35	20.57					
10	64QAM	25	25	20.22	20.28	20.38					
10	64QAM	50	0	20.2	20.41	20.4					
10	256QAM	1	0	18.23	18.26	18.26	19	2.5			
10	256QAM	1	25	18.08	18.25	18.24					
10	256QAM	1	49	18.08	18.31	18.2					
10	256QAM	25	0	18.16	18.05	18.26					
10	256QAM	25	12	18.08	18.07	18.05	19	2.5			
10	256QAM	25	25	18.02	18.2	18.21					
10	256QAM	50	0	18.02	18.14	18.12					
Channel											
Frequency (MHz)				1803.5	1803	1803.5	Turn-on time (μs)	APR3 (dB)			
5	QPSK	1	0	20.28	20.4	20.48	21.5	0			
5	QPSK	1	12	20.43	20.41	20.3					
5	QPSK	1	24	20.38	20.33	20.35					
5	QPSK	12	0	20.48	20.25	20.25					
5	QPSK	12	7	20.41	20.37	20.4	21.5	0			
5	QPSK	12	13	20.23	20.28	20.47					
5	QPSK	25	0	20.3	20.42	20.28					
5	16QAM	1	0	20.42	20.27	20.18	21.5	0			
5	16QAM	1	12	20.47	20.33	20.4					
5	16QAM	1	24	20.43	20.42	20.4					
5	16QAM	12	0	20.28	20.18	20.48					
5	16QAM	12	7	20.47	20.4	20.4	21.5	0			
5	16QAM	12	13	20.2	20.31	20.51					
5	256QAM	1	0	18.17	18.35	18.12	19	2.5			
5	256QAM	1	12	18.1	18.21	18.2					
5	256QAM	1	24	18.13	18.24	18.16					
5	256QAM	12	0	18.16	18.26	18.16					
5	256QAM	12	7	18.15	18.15	18.14	19	2.5			
5	256QAM	12	13	18.08	18.11	18.2					
5	256QAM	25	0	18.07	18.08	18.13					
Channel											
Frequency (MHz)				1803.5	1803	1803.5	Turn-on time (μs)	APR3 (dB)			
3	QPSK	1	0	20.3	20.48	20.38	21.5	0			
3	QPSK	1	8	20.42	20.41	20.43					
3	QPSK	1	16	20.33	20.4	20.31					
3	QPSK	8	0	20.46	20.25	20.25					
3	QPSK	8	7	20.16	20.27	20.31	21.5	0			
3	QPSK	8	15	20.27	20.4	20.34					
3	16QAM	1	0	20.36	20.25	20.23	21.5	0			
3	16QAM	1	8	20.38	20.49	20.32					
3	16QAM	1	16	20.42	20.42	20.49					
3	16QAM	8	0	20.26	20.32	20.41					
3	16QAM	8	7	20.3	20.44	20.44					
3	16QAM	8	15	20.35	20.45	20.44					
3	64QAM	1	0	20.25	20.36	20.51	21.5	0			
3	64QAM	1	8	20.24	20.49	20.35					
3	64QAM	1	16	20.28	20.34	20.44					
3	64QAM	8	0	20.27	20.32	20.43					
3	64QAM	8	7	20.24	20.41	20.36					
3	64QAM	8	15	20.28	20.34	20.44					
3	256QAM	1	0	18.2	18.27	18.22	19	2.5			
3	256QAM	1	8	18.14	18.24	18.2					
3	256QAM	1	16	18.16	18.24	18.21					
3	256QAM	8	0	18.11	18.16	18.17					
3	256QAM	8	7	18.03	18.16	18.13	19	2.5			
3	256QAM	8	15	18.07	18.17	18.15					
3	256QAM	15	0	18.07	18.07	18.11					
Channel											
Frequency (MHz)				1807	1807	1807	Turn-on time (μs)	APR3 (dB)			
1.4	QPSK	1	0	20.36	20.42	20.38	21.5	0			
1.4	QPSK	1	3	20.43	20.53	20.39					
1.4	QPSK	1	5	20.39	20.43	20.38					
1.4	QPSK	3	0	20.5	20.5	20.5					
1.4	QPSK	3	1	20.5	20.35	20.48	21.5	0			
1.4	QPSK	3	3	20.35	20.15	20.43					
1.4	QPSK	3	5	20.42	20.37	20.37					
1.4	16QAM	1	0	20.35	20.25	20.48	21.5	0			
1.4	16QAM	1	3	20.43	20.29	20.43					
1.4	16QAM	1	5	20.42	20.38	20.39					
1.4	16QAM	3	0	20.34	20.33	20.48					
1.4	16QAM	3	1	20.33	20.45	20.44	21.5	0			
1.4	16QAM	3	3	20.16	20.31	20.41					
1.4	16QAM	3	5	20.32	20.2	20.4					
1.4	64QAM	1	0	20.36	20.43	20.48	21.5	0			
1.4	64QAM	1	3	20.29	20.39	20.18					
1.4	64QAM	1	5	20.42	20.31	20.43					
1.4	64QAM	3	0	20.32	20.16	20.46					
1.4	64QAM	3	1	20.18	20.42	20.39	21.5	0			
1.4	64QAM	3	3	20.2	20.21	20.3					
1.4	256QAM	1	0	18.2	18.3	18.27	19	2.5			
1.4	256QAM	1	3	18.12	18.23	18.18					
1.4	256QAM	1	5	18.12	18.23	18.21					
1.4	256QAM	3	0	18.14	18.18	18.14					
1.4	256QAM	3	1	18.03	18.15	18.1	19	2.5			
1.4	256QAM	3	3	18.02	18.15</						

Band 7 Ant1 DSIS standalone																
BW (MHz)	Modulation	FDD Slot	RB Offset	Power Class 1 (W)	Power Class 2 (W)	Power Class 3 (W)	Time-to-init. (ms)	APR (dB)								
Channel																
Frequency (MHz)																
20	QPSK	1	0	20.10	20.30	20.17	20.0	0								
20	QPSK	1	40	20.17	20.27	20.23										
20	QPSK	1	80	20.24	20.21	20.26										
20	QPSK	50	0	20.22	20.33	20.27	20.0	0								
20	QPSK	50	24	20.21	20.26	20.22										
20	QPSK	50	48	20.1	20.22	20.22										
20	QPSK	100	0	20.10	20.30	20.14	20.0	0								
20	QPSK	1	0	20.23	20.27	20.26										
20	QPSK	20	24	20.17	20.27	20.26										
20	QPSK	1	80	20.08	20.23	20.1	20.0	0								
20	QPSK	50	0	20.26	20.26	20.2										
20	QPSK	50	24	20.1	20.24	20.26										
20	QPSK	50	48	20.24	20.26	20.24	20.0	0								
20	QPSK	100	0	20.16	20.14	20.16										
20	QPSK	1	0	20.12	20.24	20.23										
20	QPSK	1	40	20.2	20.14	20.08	20.0	0								
20	QPSK	50	0	20.23	20.05	20.08										
20	QPSK	20	24	20.17	20.27	20.26										
20	QPSK	50	50	20.18	20.26	20.11	20.0	0								
20	QPSK	100	0	20.12	20.22	20.1										
20	QPSK	1	0	20.24	20.24	20.24										
20	QPSK	1	80	19.97	19.8	19.77	20	0.9								
20	QPSK	1	80	19.96	19.96	19.81										
20	QPSK	50	0	19.92	19.14	19.86										
20	QPSK	50	24	19.92	19.14	19.86	20	0.9								
20	QPSK	50	48	19.86	19.14	19.86										
20	QPSK	100	0	19.87	19.73	19.89										
Channel																
Frequency (MHz)																
19	QPSK	1	0	20.13	20.21	20.08	20.0	0								
19	QPSK	1	40	20.17	20.17	20.17										
19	QPSK	1	74	19.91	20.14	20.15										
19	QPSK	36	0	20.16	20.26	20.16	20.0	0								
19	QPSK	36	20	20.07	20.2	20.18										
19	QPSK	36	40	20.06	20.14	20.08										
19	QPSK	75	0	19.96	20.13	19.86	20.0	0								
19	QPSK	1	0	20.16	20.16	20.16										
19	QPSK	1	74	19.96	20.09	20.12										
19	QPSK	36	0	20.14	20.14	20.08	20.0	0								
19	QPSK	36	20	20.06	20.13	20.14										
19	QPSK	36	40	19.9	20.16	20.13										
19	QPSK	75	0	20.06	20.22	20.03	20.0	0								
19	QPSK	1	0	20.06	20.17	20.1										
19	QPSK	1	74	19.92	20.21	20.21										
19	QPSK	1	74	19.97	20.05	20.04	20.0	0								
19	QPSK	36	0	20.09	20	20										
19	QPSK	36	20	20.06	20.13	20.08										
19	QPSK	36	40	20.11	20.09	20.06	20.0	0								
19	QPSK	75	0	19.96	20.08	20.03										
19	QPSK	1	0	19.96	19.77	19.86										
19	QPSK	1	37	19.95	19.52	19.72	20	0.9								
19	QPSK	1	74	19.41	19.46	19.46										
19	QPSK	50	0	19.71	19.83	19.81										
19	QPSK	50	24	19.46	19.39	19.43	20	0.9								
19	QPSK	50	48	19.36	19.44	19.4										
19	QPSK	75	0	19.53	19.61	19.54										
Channel																
Frequency (MHz)																
19	QPSK	1	0	20.06	20.23	20.03	20.0	0								
19	QPSK	1	40	20.1	20.17	20.17										
19	QPSK	1	80	19.96	20.17	20.11										
19	QPSK	25	0	20.14	20.26	20.2	20.0	0								
19	QPSK	25	12	20.06	20.21	20.26										
19	QPSK	25	24	20.07	20.13	20.09										
19	QPSK	50	0	19.95	20.24	19.86	20.0	0								
19	QPSK	1	0	20.1	20.15	20.22										
19	QPSK	1	40	19.97	19.86	19.81										
19	QPSK	1	80	20	20.07	20.07	20.0	0								
19	QPSK	25	0	20.2	20.13	20.14										
19	QPSK	25	12	20.06	20.19	20.17										
19	QPSK	25	24	19.99	20.12	20.18	20.0	0								
19	QPSK	50	0	20.06	20.07	20.12										
19	QPSK	50	24	20.16	20.14	20.14										
19	QPSK	1	20	20.15	20.07	20.13	20.0	0								
19	QPSK	1	40	19.9	20.07	20										
19	QPSK	25	0	20.15	19.96	19.95										
19	QPSK	25	12	20.05	20.11	20.08	20.0	0								
19	QPSK	25	24	20.01	20.17	20.06										
19	QPSK	50	0	19.98	20.11	20.05										
19	QPSK	1	0	19.96	19.97	19.86	20	0.9								
19	QPSK	1	25	19.97	19.44	19.62										
19	QPSK	1	40	19.5	19.44	19.45										
19	QPSK	25	0	19.47	19.56	19.55	20	0.9								
19	QPSK	25	12	19.47	19.56	19.55										
19	QPSK	25	24	19.36	19.56	19.46										
19	QPSK	50	0	19.53	19.58	19.42	20	0.9								
19	QPSK	1	0	19.46	19.52	19.55										
19	QPSK	1	40	19.46	19.52	19.55										

Band 12 Ant1 DSIS standalone											
BW (MHz)	Modulation	FDD Slot	RB Offset	Power Class 1 (W)	Power Class 2 (W)	Power Class 3 (W)	Time-to-init. (ms)	APR (dB)			
Channel											
Frequency (MHz)											
19	QPSK	1	0	24.29	24.38	24.34	20	0			
19	QPSK	1	20	24.21	24.28	24.22					
19	QPSK	1	40	24.23	24.3	24.1					
19	QPSK	20	0	23.31	23.41	23.34	24	1			
19	QPSK	20	12	23.37	23.31	23.33					
19	QPSK	20	24	23.1	23.2	23.2					
19	QPSK	50	0	23.39	23.37	23.39	24	1			
19	QPSK	1	0	23.35	23.47	23.35					
19	QPSK	1	20	23.41	23.37	23.39					
19	QPSK	1	40	23.43	23.31	23.33	20	1			
19	QPSK	20	0	23.29	23.39	23.27					
19	QPSK	20	12	23.23	23.41	23.41	20	1			
19	QPSK	20	24	23.1	23.2	23.2					
19	QPSK	50	0	23.39	23.37	23.39					
19	QPSK	1	0	23.35	23.47	23.35	24	1			
19	QPSK	1	20	23.41	23.37	23.39					
19	QPSK	1	40	23.43	23.31	23.33					
19	QPSK	20	0	23.29	23.39	23.27	24	1			
19	QPSK	20	12	23.23	23.41	23.41					
19	QPSK	20	24	23.1	23.2	23.2					
19	QPSK	50	0	23.39	23.37	23.39	24	1			
19	QPSK	1	0	23.35	23.47	23.35					
19	QPSK	1	20	23.41	23.37	23.39					
19	QPSK	1	40	23.43	23.31	23.33	20	1			
19	QPSK	20	0	23.29	23.39	23.27					
19	QPSK	20	12	23.23	23.41	23.41	20	1			
19	QPSK	20	24	23.1	23.2	23.2					
19	QPSK	50	0	23.39	23.37	23.39					
19	QPSK	1	0	23.35	23.47	23.35	24	1			
19	QPSK	1	20	23.41	23.37	23.39					
19	QPSK	1	40	23.43	23.31	23.33					
19	QPSK	20	0	23.29	23.39	23.27	24	1			
19	QPSK	20	12	23.23	23.41	23.41					
19	QPSK	20	24	23.1	23.2	23.2					
19	QPSK	50	0	23.39	23.37	23.39	24	1			
19	QPSK	1	0	23.35	23.47	23.35					
19	QPSK	1	20	23.41	23.37	23.39					
19	QPSK	1	40	23.43	23.31	23.33	20	1			
19	QPSK	20	0	23.29	23.39	23.27					
19	QPSK	20	12	23.23	23.41	23.41	20	1			
19	QPSK	20	24	23.1	23.2	23.2					
19	QPSK	50	0	23.39	23.37	23.39					
19	QPSK	1	0	23.35	23.47	23.35	24	1			
19	QPSK	1	20	23.41	23.37	23.39					
19	QPSK	1	40	23.43	23.31	23.33					
19	QPSK	20	0	23.29	23.39	23.27	24	1			
19	QPSK	20	12	23.23	23.41	23.41					
19	QPSK	20	24	23.1	23.2	23.2					
19	QPSK	50	0	23.39	23.37	23.39	24	1			
19	QPSK	1	0	23.35	23.47	23.35					
19	QPSK	1	20	23.41	23.37	23.39					
19	QPSK	1	40	23.43	23.31	23.33	20	1			
19	QPSK	20	0	23.29	23.39	23.27					
19	QPSK	20	12	23.23	23.41	23.41	20	1			
19	QPSK	20	24	23.1	23.2	23.2					
19	QPSK	50	0	23.39	23.37	23.39					
19	QPSK	1	0	23.35	23.47	23.35	24	1			
19	QPSK	1	20	23.41	23.37	23.39					
19	QPSK	1	40	23.43	23.31	23.33					
19	QPSK	20	0	23.29	23.39	23.27	24	1			
19	QPSK	20	12	23.23	23.41	23.41					
19	QPSK	20	24	23.1	23.2	23.2					
19	QPSK	50	0	23.39	23.37	23.39	24	1			
19	QPSK	1	0	23.35	23.47	23.35					
19	QPSK	1	20	23.41	23.37	23.39					
19	QPSK	1	40	23.43	23.31	23.33	20	1			
19	QPSK	20	0	23.29	23.39	23.27					
19	QPSK	20	12	23.23	23.41	23.41	20	1			
19	QPSK	20	24	23.1	23.2	23.2					
19	QPSK	50	0	23.39	23.37	23.39					
19	QPSK	1	0	23.35	23.47	23.35	24	1			
19	QPSK	1	20	23.41	23.37	23.39					
19	QPSK	1	40	23.43	23.31	23.33					
19	QPSK	20	0	23.29	23.39	23.27	24	1			
19	QPSK	20	12	23.23	23.41	23.41					
19	QPSK	20	24	23.1	23.2	23.2					
19	QPSK	50	0	23.39	23.37	23.39	24	1			
19	QPSK	1	0	23.35	23.47	23.35					
19	QPSK	1	20	23.41	23.37	23.39					
19	QPSK	1	40	23.43	23.31	23.33	20	1			
19	QPSK	20	0	23.29	23.39	23.27					
19	QPSK	20	12	23.23	23.41	23.41	20	1			
19	QPSK	20	24	23.1	23.2	23.2					
19	QPSK	50	0	23.39	23.37	23.39					
19	QPSK	1	0	23.35	23.47	23.35	24	1			
19	QPSK	1	20	23.41	23.37	23.39					
19	QPSK	1	40	23.43	23.31	23.33					
19	QPSK	20	0	23.29	23.39	23.27	24	1			
19	QPSK	20	12	23.23	23.41	23.41					
19	QPSK	20	24	23.1	23.2	23.2					
19	QPSK	50	0	23.39	23.37	23.39	24	1			
19	QPSK	1	0	23.35	23.47	23.35					
19	QPSK	1	20	23.41	23.37	23.39					
19	QPSK	1	40	23.43	23.31	23.33	20	1			
19	QPSK	20	0	23.29	23.39	23.27					
19	QPSK	20	12	23.23	23.41	23.41	20	1			
19	QPSK	20	24	23.1	23.2	23.2					
19	QPSK	50	0	23.39	23.37	23.39					
19	QPSK	1	0	23.35	23.47	23.35	24	1			
19	QPSK	1	20	23.41	23.37	23.39					
19	QPSK	1	40	23.43	23.31	23.33					
19	QPSK	20	0	23.29	23.39	23.27	24	1			
19	QPSK	20	12	23.23	23.41	23.41					
19	QPSK	20	24	23.1	23.2	23.2					
19	QPSK	50	0	23.39	23.37	23.39	24	1			
19	QPSK	1	0	23.35	23.47	23.35					
19	QPSK	1	20	23.41	23.37	23.39					
19	QPSK	1	40	23.43	23.31	23.33	20	1			
19	QPSK	20	0	23.29	23.39	23.27					
19	QPSK	20	12	23.23	23.41	23.41	20	1			
19	QPSK	20	24	23.1	23.2	23.2					
19	QPSK	50	0	23.39	23.37	23.39					
19	QPSK	1	0	23.35	23.47	23.35	24	1			
19	QPSK	1	20	23.41	23.37	23.39					
19	QPSK	1	40	23.43	23.31	23.33					
19	QPSK	20	0	23.29	23.39	23.27	24	1			
19	QPSK	20	12	23.23	23.41	23.41					
19	QPSK	20	24	23.1	23.2	23.2					
19	QPSK	50	0	23.39	23.37	23.39	24	1			
19	QPSK	1	0	23.35	23.47	23.35					
19	QPSK	1	20	23.41	23.37	23.39					
19	QPSK	1	40	23.43	23.31	23.33	20	1			
19	QPSK	20	0	23.29	23.39	23.27					
19	QPSK	20	12	23.23	23.41	23.41	20	1			
19	QPSK	20	24	23.1	23.2	23.2					
19	QPSK	50	0	23.39	23.37	23.39					
19	QPSK	1	0	23.35	23.47	23.35	24	1			
19	QPSK	1	20	23.41	23.37	23.39					
19	QPSK	1	40	23.43	23.31	23.33					
19	QPSK	20	0	23.29	23.39	23.27	24	1			
19	QPSK	20	12	23.23	23.41	23.41					
19	QPSK	20	24	23.1	23.2	23.2					
19	QPSK	50	0	23.39	23.37	23.39	24	1			
19	QPSK	1	0	23.35	23.47	23.35					
19	QPSK	1	20	23.41	23.37	23.39					
19	QPSK	1	40	23.43	23.31	23.33	20	1			
19	QPSK	20	0	23.29	23.39	23.27					
19	QPSK	20	12	23.23	23.41	23.41	20	1			
19	QPSK	20	24	23.1	23.2	23.2					
19	QPSK	50	0	23.39	23.37	23.39					
19	QPSK	1	0	23.35	23.47	23.35	24	1			
19	QPSK	1	20	23.41	23.37	23.39					
19	QPSK	1	40	23.43	23.31	23.33					
19	QPSK	20	0	23.29	23.39	23.27	24	1			
19	QPSK	20	12	23.23	23.41	23.41					
19	QPSK	20	24	23.1	23.2	23.2					
19	QPSK	50	0	23.39	23.37	23.39	24	1			
19	QPSK	1	0	23.35	23.47	23.35					
19	QPSK	1	20	23.41	23.37	23.39					
19	QPSK	1	40	23.43	23.31	23.33	20	1			
19	QPSK	20	0	23.29	23.39	23.27					
19	QPSK	20	12	23.23	23.41	23.41	20	1			
19	QPSK	20	24	23.1	23.2	23.2					
19	QPSK	50	0	23.39	23.37	23.39					
19	QPSK	1	0	23.35	23.47	23.35	24	1			
19	QPSK	1	20	23.41	23.37	23.39					
19	QPSK	1	40	23.43	23.31	23.33					
19	QPSK	20	0	23.29	23.39	23.27	24	1			
19	QPSK	20	12	23.23	23.41	23.41					
19	QPSK	20	24	23.1	23.2	23.2					
19	QPSK	50	0	23.39	23.37	23.39	24	1			
19	QPSK	1	0	23.35	23.47	23.35					
19											

Band 2 Ant1 DSI3 simultaneous												
501 BAND	Modulation	RB Size	RB Offset	Power (W)	Power (W)	Power (W)	Power (W)	Turn-on time (s)	MFR (dB)			
Channel												
Frequency (MHz)												
20	QPSK	1	0	17.44	17.61	17.42			18.5	0		
20	QPSK	1	48	17.34	17.56	17.56						
20	QPSK	1	96	17.23	17.41	17.41						
20	QPSK	50	0	17.3	17.52	17.5						
20	QPSK	50	24	17.33	17.54	17.51						
20	QPSK	50	52	17.27	17.54	17.51			18.5	0		
20	QPSK	100	0	17.25	17.44	17.18						
20	16QAM	1	0	17.32	17.21	17.48						
20	16QAM	1	48	17.41	17.28	17.28						
20	16QAM	1	96	17.41	17.28	17.28						
20	16QAM	50	0	17.41	17.41	17.3			18.5	0		
20	16QAM	50	24	17.39	17.56	17.46						
20	16QAM	50	52	17.45	17.43	17.43						
20	16QAM	100	0	17.36	17.36	17.31						
20	16QAM	1	0	17.46	17.46	17.4						
20	16QAM	1	48	17.44	17.33	17.3			18.5	0		
20	16QAM	1	96	17.38	17.39	17.28						
20	16QAM	50	0	17.36	17.29	17.45						
20	16QAM	50	24	17.37	17.49	17.39						
20	16QAM	50	50	17.28	17.43	17.38						
20	256QAM	1	0	17.55	17.43	17.46			18.5	0		
20	256QAM	1	48	17.21	17.3	17.31						
20	256QAM	1	96	17.44	17.43	17.38						
20	256QAM	50	0	17.34	17.36	17.34						
20	256QAM	50	24	17.42	17.39	17.32						
20	256QAM	50	50	17.23	17.44	17.3			18.5	0		
20	256QAM	100	0	17.33	17.33	17.36						
Channel												
Frequency (MHz)												
15	QPSK	1	0	17.18	17.45	17.28			18.5	0		
15	QPSK	1	37	17.18	17.24	17.3						
15	QPSK	1	74	17.08	17.28	17.31						
15	QPSK	36	0	17.06	17.26	17.28						
15	QPSK	36	20	17.12	17.16	17.32						
15	QPSK	36	38	17.08	17.16	17.47			18.5	0		
15	QPSK	75	0	17.09	17.15	16.91						
15	16QAM	1	0	17.22	16.97	17.18						
15	16QAM	1	37	17.22	17.16	17.38						
15	16QAM	1	74	17.02	17.1	17.27						
15	16QAM	36	0	17.14	17.18	17.02			18.5	0		
15	16QAM	36	20	17.27	17.16	17.19						
15	16QAM	36	38	17.27	17.16	17.24						
15	16QAM	75	0	17.14	17.21	17.08						
15	16QAM	1	0	17.3	17.27	17.16						
15	16QAM	1	37	17.16	16.94	17.08			18.5	0		
15	16QAM	1	74	16.96	16.94	17.12						
15	16QAM	36	0	17.03	17.17	17.18						
15	16QAM	36	20	17.06	17.03	17.21						
15	16QAM	36	38	17.14	17.12	17.22						
15	16QAM	75	0	17.08	17.41	17.08			18.5	0		
15	256QAM	1	0	17.35	17.07	17.25						
15	256QAM	1	37	17	17.07	17.28						
15	256QAM	1	74	17.23	17.14	17.24						
15	256QAM	36	0	17.04	17.1	17.16						
15	256QAM	36	20	17.16	17.11	17.08			18.5	0		
15	256QAM	36	38	16.96	17.31	17.19						
15	256QAM	75	0	17.13	17.15	17.1						
Channel												
Frequency (MHz)												
10	QPSK	1	0	17.15	17.35	17.27			18.5	0		
10	QPSK	1	26	17.11	17.17	17.4						
10	QPSK	1	49	17.06	17.29	17.3						
10	QPSK	25	0	17	17.26	17.2						
10	QPSK	25	12	17.07	17.11	17.3						
10	QPSK	25	25	17.14	17.36	17.08			18.5	0		
10	QPSK	50	0	17.07	17.22	16.97						
10	16QAM	1	0	17.14	17.02	17.38						
10	16QAM	1	26	17.21	17.16	17.05						
10	16QAM	1	49	17.16	17.25	17.28						
10	16QAM	25	0	17.22	17.18	17.06			18.5	0		
10	16QAM	25	12	16.99	17.24	17.14						
10	16QAM	25	25	17.22	17.17	17.25						
10	16QAM	50	0	17.14	17.18	17.34						
10	16QAM	1	0	17.27	17.25	17.21						
10	16QAM	1	26	17.23	17.15	17.08			18.5	0		
10	16QAM	1	49	17.02	16.98	17.27						
10	16QAM	25	0	17.19	17.16	17.19						
10	16QAM	25	12	17.06	17.28	17.01						
10	16QAM	25	25	17.11	17.31	17.18						
10	16QAM	50	0	17.1	17.4	17.14			18.5	0		
10	256QAM	1	0	17.34	17.04	17.21						
10	256QAM	1	26	17.06	17.11	17.25						
10	256QAM	1	49	17.17	17.27	17.45						
10	256QAM	25	0	17.16	17.22	17.2						
10	256QAM	25	12	17.16	17.28	17.12			18.5	0		
10	256QAM	25	25	17.01	17.2	17.18						
10	256QAM	50	0	17.13	17.13	17.09						
Channel												
Frequency (MHz)												
5	QPSK	1	0	17.32	17.42	17.17			18.5	0		
5	QPSK	1	12	17.22	17.34	17.38						
5	QPSK	1	24	16.97	17.32	17.3						
5	QPSK	12	0	17.06	17.31	17.26						
5	QPSK	12	7	17.12	17.16	17.21						
5	QPSK	12	13	16.98	17.28	17.01			18.5	0		
5	QPSK	24	0	16.96	17.21	16.98						
5	16QAM	1	0	17.07	16.95	17.3						
5	16QAM	1	12	17.23	17.2	17.08						
5	16QAM	1	24	17.17	17.13	17.37						
5	16QAM	12	0	17.28	17.21	17.08			18.5	0		
5	16QAM	12	7	17.17	17.28	17.16						
5	16QAM	12	13	17.28	17.28	17.23						
5	16QAM	25	0	17.12	17.14	17.37						
5	16QAM	1	0	17.13	17.23	17.19						
5	16QAM	1	12	17.16	17.08	17.07			18.5	0		
5	16QAM	1	24	16.95	17.05	17.15						
5	16QAM	12	0	17.2	17.1	17.27						
Channel												
Frequency (MHz)												
3	QPSK	1	0	17.19	17.39	17.15			18.5	0		
3	QPSK	1	8	17.06	17.15	17.28						
3	QPSK	1	16	17.02	17.29	17.18						
3	QPSK	8	0	17.01	17.24	17.19						
3	QPSK	8	4	17.18	17.13	17.28						
3	QPSK	8	7	17.06	17.23	16.97			18.5	0		
3	QPSK	16	0	17.01	17.16	17.21						
3	16QAM	1	0	17.04	16.92	17.3						
3	16QAM	1	8	17.11	17.12	17.12						
3	16QAM	1	16	17.17	17.2	17.3						
3	16QAM	8	0	17.07	17.17	17.21			18.5	0		
3	16QAM	8	4	17.11	17.26	17.31						
3	16QAM	8	7	17.16	17.2	17.16						
3	16QAM	16	0	17.02	17.14	17.24						
3	16QAM	1	0	17.27	17.18	17.1						
3	16QAM	1	8	17.33	17.08	17.13			18.5	0		
3	16QAM	1	16	17.25	17.18	17.24						
3	16QAM	8	0	17.18	17.03	17.2						
3	16QAM	8	4	17.16	17.23	17.21			18.5	0		
3	16QAM	16	7	17.01	17.28	17.07						
3	256QAM	1	0	17.37	17.07	17.25						
3	256QAM	1	8	17.01	17.08	17.3						
3	256QAM	1	16	17.17	17.18	17.31						
3	256QAM	8	0	17.33	17.16	17.18			18.5	0		
3	256QAM	8	4	17.32	17.18	17.24						
3	256QAM	8	7	17.17	17.27	17.14						
3	256QAM	16	0	17.06	17.08	17.19						
3	256QAM	1	0	17.25	17.13	17.21						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	17.17	17.27	17.26			18.5	0		
1.4	QPSK	1	3	17.11	17.2	17.38						
1.4	QPSK	1	5	17.02	17.16	17.31						
1.4	QPSK	1	7	17.01	17.14	17.3						
1.4	QPSK	3	0	17.1	17.07	17.26						
1.4	QPSK	3	3	17.02	17.35	17.23			18.5	0		
1.4	QPSK	3	5	17.01	17.26	17.38						
1.4	QPSK	3	7	17.05	17.23	17.31						
1.4	QPSK	3	9	17.01	17.28	17.31						
1.4	QPSK	3	11	17.05	17.23	17.31						
1.4	QPSK	1	0	17.15	17.03	17.19			18.5	0		
1.4	QPSK	1	3	17.18	17.35	17.23						
1.4	QPSK	1	5	17.02	17.14	17.3						
1.4	QPSK	3	0	17.12	17.26	17.27						
1.4	QPSK	3	3	17.25	17.22	17.33						
1.4	QPSK	1	0	17.2	17.21	17.18			18.5	0		
1.4	QPSK	1	3	17.23	17.63	17.15						
1.4	QPSK	1	5	17.01	17.17	17.3						
1.4	QPSK	3	0	17.15	17.07	17.21						
1.4	QPSK	3	3	17.08	17.13	17.36						
1.4	QPSK	3	5	17.02	17.11	17.31						

Band 7 Ant1 DS13 simultaneous												
BW (MHz)	Modulation	RIS Size	RIS Offset	Power (mW)	Power (mW)	Power (mW)	Power (mW)	Power (mW)	Power (mW)	Power (mW)	Power (mW)	Power (mW)
Channel												
Frequency (MHz)												
2015.0 2015.0 2015.0												
20	QPSK	1	0	16.86	16.86	16.86	16.86	16.86	16.86	16.86	16.86	16.86
20	QPSK	1	48	16.86	16.74	16.8	16.8	16.8	16.8	16.8	16.8	16.8
20	QPSK	1	96	16.86	16.71	16.86	16.86	16.86	16.86	16.86	16.86	16.86
20	QPSK	50	0	16.81	16.83	16.79	16.79	16.79	16.79	16.79	16.79	16.79
20	QPSK	50	24	16.73	16.89	16.79	16.79	16.79	16.79	16.79	16.79	16.79
20	QPSK	50	48	16.73	16.89	16.79	16.79	16.79	16.79	16.79	16.79	16.79
20	QPSK	100	0	16.85	16.86	16.86	16.86	16.86	16.86	16.86	16.86	16.86
20	16QAM	1	0	16.86	16.72	16.7	16.7	16.7	16.7	16.7	16.7	16.7
20	16QAM	1	48	16.84	16.73	16.81	16.81	16.81	16.81	16.81	16.81	16.81
20	16QAM	1	96	16.87	16.71	16.86	16.86	16.86	16.86	16.86	16.86	16.86
20	16QAM	50	0	16.87	16.72	16.84	16.84	16.84	16.84	16.84	16.84	16.84
20	16QAM	50	24	16.76	16.77	16.7	16.7	16.7	16.7	16.7	16.7	16.7
20	16QAM	50	48	16.77	16.71	16.82	16.82	16.82	16.82	16.82	16.82	16.82
20	16QAM	100	0	16.85	16.86	16.72	16.72	16.72	16.72	16.72	16.72	16.72
20	64QAM	1	0	16.73	16.73	16.71	16.71	16.71	16.71	16.71	16.71	16.71
20	64QAM	1	48	16.71	16.63	16.76	16.76	16.76	16.76	16.76	16.76	16.76
20	64QAM	1	96	16.76	16.66	16.75	16.75	16.75	16.75	16.75	16.75	16.75
20	64QAM	50	0	16.71	16.64	16.7	16.7	16.7	16.7	16.7	16.7	16.7
20	64QAM	50	24	16.6	16.65	16.75	16.75	16.75	16.75	16.75	16.75	16.75
20	64QAM	50	48	16.67	16.67	16.76	16.76	16.76	16.76	16.76	16.76	16.76
20	64QAM	100	0	16.64	16.56	16.6	16.6	16.6	16.6	16.6	16.6	16.6
20	256QAM	1	0	16.66	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7
20	256QAM	1	48	16.6	16.66	16.76	16.76	16.76	16.76	16.76	16.76	16.76
20	256QAM	1	96	16.63	16.75	16.69	16.69	16.69	16.69	16.69	16.69	16.69
20	256QAM	50	0	16.63	16.69	16.69	16.69	16.69	16.69	16.69	16.69	16.69
20	256QAM	50	24	16.5	16.6	16.69	16.69	16.69	16.69	16.69	16.69	16.69
20	256QAM	50	48	16.53	16.76	16.69	16.69	16.69	16.69	16.69	16.69	16.69
20	256QAM	100	0	16.62	16.73	16.71	16.71	16.71	16.71	16.71	16.71	16.71
Channel												
Frequency (MHz)												
2017.5 2017.5 2017.5												
10	QPSK	1	0	16.55	16.84	16.57	16.57	16.57	16.57	16.57	16.57	16.57
10	QPSK	1	24	16.63	16.63	16.7	16.7	16.7	16.7	16.7	16.7	16.7
10	QPSK	1	48	16.63	16.73	16.73	16.73	16.73	16.73	16.73	16.73	16.73
10	QPSK	36	0	16.5	16.71	16.66	16.66	16.66	16.66	16.66	16.66	16.66
10	QPSK	36	24	16.5	16.63	16.69	16.69	16.69	16.69	16.69	16.69	16.69
10	QPSK	36	48	16.57	16.71	16.66	16.66	16.66	16.66	16.66	16.66	16.66
10	QPSK	75	0	16.48	16.59	16.59	16.59	16.59	16.59	16.59	16.59	16.59
10	16QAM	1	0	16.56	16.62	16.59	16.59	16.59	16.59	16.59	16.59	16.59
10	16QAM	1	48	16.51	16.66	16.76	16.76	16.76	16.76	16.76	16.76	16.76
10	16QAM	1	74	16.58	16.66	16.61	16.61	16.61	16.61	16.61	16.61	16.61
10	16QAM	36	0	16.55	16.63	16.6	16.6	16.6	16.6	16.6	16.6	16.6
10	16QAM	36	24	16.53	16.67	16.61	16.61	16.61	16.61	16.61	16.61	16.61
10	16QAM	36	48	16.47	16.58	16.6	16.6	16.6	16.6	16.6	16.6	16.6
10	16QAM	75	0	16.56	16.56	16.63	16.63	16.63	16.63	16.63	16.63	16.63
10	64QAM	1	0	16.63	16.67	16.59	16.59	16.59	16.59	16.59	16.59	16.59
10	64QAM	1	48	16.51	16.64	16.66	16.66	16.66	16.66	16.66	16.66	16.66
10	64QAM	1	74	16.54	16.5	16.52	16.52	16.52	16.52	16.52	16.52	16.52
10	64QAM	36	0	16.56	16.61	16.59	16.59	16.59	16.59	16.59	16.59	16.59
10	64QAM	36	24	16.5	16.52	16.63	16.63	16.63	16.63	16.63	16.63	16.63
10	64QAM	36	48	16.45	16.51	16.6	16.6	16.6	16.6	16.6	16.6	16.6
10	64QAM	75	0	16.4	16.5	16.51	16.51	16.51	16.51	16.51	16.51	16.51
10	256QAM	1	0	16.56	16.61	16.6	16.6	16.6	16.6	16.6	16.6	16.6
10	256QAM	1	48	16.5	16.52	16.63	16.63	16.63	16.63	16.63	16.63	16.63
10	256QAM	1	74	16.53	16.63	16.62	16.62	16.62	16.62	16.62	16.62	16.62
10	256QAM	36	0	16.56	16.54	16.59	16.59	16.59	16.59	16.59	16.59	16.59
10	256QAM	36	24	16.4	16.5	16.6	16.6	16.6	16.6	16.6	16.6	16.6
10	256QAM	36	48	16.46	16.54	16.51	16.51	16.51	16.51	16.51	16.51	16.51
10	256QAM	75	0	16.47	16.61	16.58	16.58	16.58	16.58	16.58	16.58	16.58
Channel												
Frequency (MHz)												
2015.0 2015.0 2015.0												
10	QPSK	1	0	16.6	16.86	16.62	16.62	16.62	16.62	16.62	16.62	16.62
10	QPSK	1	24	16.54	16.59	16.66	16.66	16.66	16.66	16.66	16.66	16.66
10	QPSK	1	48	16.58	16.61	16.69	16.69	16.69	16.69	16.69	16.69	16.69
10	QPSK	25	0	16.46	16.72	16.73	16.73	16.73	16.73	16.73	16.73	16.73
10	QPSK	25	12	16.63	16.63	16.68	16.68	16.68	16.68	16.68	16.68	16.68
10	QPSK	25	24	16.5	16.71	16.45	16.45	16.45	16.45	16.45	16.45	16.45
10	QPSK	50	0	16.48	16.68	16.58	16.58	16.58	16.58	16.58	16.58	16.58
10	16QAM	1	0	16.54	16.65	16.63	16.63	16.63	16.63	16.63	16.63	16.63
10	16QAM	1	48	16.51	16.61	16.64	16.64	16.64	16.64	16.64	16.64	16.64
10	16QAM	1	96	16.52	16.58	16.63	16.63	16.63	16.63	16.63	16.63	16.63
10	16QAM	25	0	16.56	16.63	16.5	16.5	16.5	16.5	16.5	16.5	16.5
10	16QAM	25	12	16.52	16.64	16.58	16.58	16.58	16.58	16.58	16.58	16.58
10	16QAM	25	24	16.46	16.61	16.6	16.6	16.6	16.6	16.6	16.6	16.6
10	16QAM	50	0	16.55	16.66	16.62	16.62	16.62	16.62	16.62	16.62	16.62
10	64QAM	1	0	16.56	16.66	16.58	16.58	16.58	16.58	16.58	16.58	16.58
10	64QAM	1	48	16.51	16.57	16.69	16.69	16.69	16.69	16.69	16.69	16.69
10	64QAM	25	0	16.6	16.5	16.59	16.59	16.59	16.59	16.59	16.59	16.59
10	64QAM	25	12	16.5	16.5	16.59	16.59	16.59	16.59	16.59	16.59	16.59
10	64QAM	25	24	16.56	16.54	16.59	16.59	16.59	16.59	16.59	16.59	16.59
10	64QAM	50	0	16.54	16.46	16.5	16.5	16.5	16.5	16.5	16.5	16.5
10	256QAM	1	0	16.52	16.57	16.66	16.66	16.66	16.66	16.66	16.66	16.66
10	256QAM	1	48	16.5	16.5	16.65	16.65	16.65	16.65	16.65	16.65	16.65
10	256QAM	1	96	16.54	16.54	16.64	16.64	16.64	16.64	16.64	16.64	16.64
10	256QAM	25	0	16.56	16.54	16.52	16.52	16.52	16.52	16.52	16.52	16.52
10	256QAM	25	12	16.54	16.54	16.67	16.67	16.67	16.67	16.67	16.67	16.67
10	256QAM	25	24	16.46	16.57	16.47	16.47	16.47	16.47	16.47	16.47	16.47
10	256QAM	50	0	16.48	16.63	16.62	16.62	16.62	16.62	16.62	16.62	16.62
Channel												
Frequency (MHz)												
2017.5 2017.5 2017.5												
5	QPSK	1	0	16.84	16.89	16.82	16.82	16.82	16.82	16.82	16.82	16.82
5	QPSK	1	24	16.57	16.66	16.67	16.67	16.67	16.67	16.67	16.67	16.67
5	QPSK	1	48	16.54	16.66	16.73	16.73	16.73	16.73	16.73	16.73	16.73
5	QPSK	12	0	16.54	16.72	16.73	16.73	16.73	16.73	16.73	16.73	16.73

Band 48 Ant 2 DSI3 standalone										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				55340	55830	56150	56640	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3560	3609	3641	3690			
20	QPSK	1	0	17.02	17.05	17.23	17.12	18.5	0	
20	QPSK	1	49	17.02	17.09	17.04	17.03			
20	QPSK	1	99	17.06	17.15	17.17	17.04			
20	QPSK	50	0	17.08	17.14	17.2	17.11			
20	QPSK	50	24	17	17.1	17.16	17.02	18.5	0	
20	QPSK	50	50	16.96	16.99	17.01	16.97			
20	QPSK	100	0	16.98	17.11	17.16	17.05			
20	16QAM	1	0	16.94	17.13	17.15	17.06			
20	16QAM	1	49	16.98	17.07	17.05	17.05	18.5	0	
20	16QAM	1	99	17.01	17.11	17.04	17.12			
20	16QAM	50	0	17.06	17.11	17.15	17.01			
20	16QAM	50	24	17.05	17.02	17.1	16.94			
20	16QAM	50	50	16.93	17.05	17.02	16.96	18.5	0	
20	16QAM	100	0	17.02	17.08	17.07	17.05			
20	64QAM	1	0	17.07	17.13	17.13	17.1			
20	64QAM	1	49	17.08	17.13	17.03	16.98			
20	64QAM	1	99	17.03	17.14	17.06	17.13	18.5	0	
20	64QAM	50	0	17.03	17.15	17.06	17.13			
20	64QAM	50	24	16.98	17.11	17.14	17.03			
20	64QAM	50	50	16.97	17.03	17.12	17.04			
20	64QAM	100	0	17.03	17.06	17.11	17.09	18.5	0	
20	256QAM	1	0	16.98	17.07	17.12	17.07			
20	256QAM	1	49	16.99	17.1	17.07	17.06			
20	256QAM	1	99	16.96	17.14	17.08	17.12			
20	256QAM	50	0	17	17.11	17.08	17.05	18.5	0	
20	256QAM	50	24	17.03	17.13	17.09	16.99			
20	256QAM	50	50	16.99	17.06	17.11	17.05			
20	256QAM	100	0	16.9	17.08	17.1	17.11			
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3557.5	3608	3642	3692.5			
15	QPSK	1	0	16.95	16.9	17.09	16.99	18.5	0	
15	QPSK	1	37	16.89	16.99	16.9	16.96			
15	QPSK	1	74	16.96	17.03	17.07	16.98			
15	QPSK	36	0	17.02	17.02	17.07	17.05			
15	QPSK	36	20	16.93	17.03	17.08	16.93	18.5	0	
15	QPSK	36	39	16.82	16.89	16.87	16.83			
15	QPSK	75	0	16.85	17.02	17.1	16.92			
15	16QAM	1	0	16.83	17.02	17.01	16.96			
15	16QAM	1	37	16.92	16.97	16.93	16.91	18.5	0	
15	16QAM	1	74	16.92	17.02	16.96	17.04			
15	16QAM	36	0	16.97	17.06	17.09	16.93			
15	16QAM	36	20	16.96	16.92	17.02	16.79			
15	16QAM	36	39	16.85	16.9	16.9	16.88	18.5	0	
15	16QAM	75	0	16.91	16.98	16.99	16.93			
15	64QAM	1	0	16.93	17.03	17.06	16.95			
15	64QAM	1	37	17.01	17.05	16.93	16.85			
15	64QAM	1	74	16.97	17.09	16.99	17.02	18.5	0	
15	64QAM	36	0	16.89	17.03	16.96	17.05			
15	64QAM	36	20	16.91	17	17.03	16.89			
15	64QAM	36	39	16.89	16.97	16.99	16.91			
15	64QAM	75	0	16.88	16.96	16.99	17	18.5	0	
15	256QAM	1	0	16.83	16.98	17.03	16.97			
15	256QAM	1	37	16.87	17.02	16.93	16.96			
15	256QAM	1	74	16.88	17.08	16.96	16.98			
15	256QAM	36	0	16.91	17.05	16.96	16.95	18.5	0	
15	256QAM	36	20	16.93	17	16.96	16.93			
15	256QAM	36	39	16.87	17	16.99	16.99			
15	256QAM	75	0	16.79	16.99	17.01	17.04			
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3555	3607.5	3642.5	3695			
10	QPSK	1	0	16.9	16.91	17.09	16.97	18.5	0	
10	QPSK	1	25	16.95	16.95	16.9	16.93			
10	QPSK	1	49	17	17.02	17.04	16.91			
10	QPSK	25	0	16.95	17.06	17.09	17.03			
10	QPSK	25	12	16.91	16.96	17.1	16.88	18.5	0	
10	QPSK	25	25	16.85	16.92	16.91	16.9			
10	QPSK	50	0	16.85	17.05	17.02	16.91			
10	16QAM	1	0	16.86	17.03	17.01	16.98			
10	16QAM	1	25	16.83	17.01	16.93	16.9	18.5	0	
10	16QAM	1	49	16.87	17.05	16.93	17.01			
10	16QAM	25	0	16.94	17.01	17.06	16.9			
10	16QAM	25	12	16.99	16.92	17.03	16.81			
10	16QAM	25	25	16.85	16.91	16.9	16.88	18.5	0	
10	16QAM	50	0	16.88	17.03	16.96	17			
10	64QAM	1	0	16.92	17.06	17.05	17			
10	64QAM	1	25	16.98	17	16.96	16.84			
10	64QAM	1	49	16.92	17.03	16.97	17.08	18.5	0	
10	64QAM	25	0	16.89	17.05	16.93	17.06			
10	64QAM	25	12	16.84	17.05	16.99	16.9			
10	64QAM	25	25	16.91	16.92	16.99	16.89			
10	64QAM	50	0	16.88	16.96	17.02	17.02	18.5	0	
10	256QAM	1	0	16.91	16.92	16.98	16.99			
10	256QAM	1	25	16.91	17.01	17.01	16.92			
10	256QAM	1	49	16.88	16.99	16.97	17			
10	256QAM	25	0	16.93	17	17.01	16.93	18.5	0	
10	256QAM	25	12	16.97	17.03	17.01	16.93			
10	256QAM	25	25	16.86	16.97	17.02	16.92			
10	256QAM	50	0	16.82	17	16.97	16.99			
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3552.5	3607	3643	3697.5			
5	QPSK	1	0	16.88	16.98	17.18	16.98	18.5	0	
5	QPSK	1	12	16.96	17.02	16.95	16.88			
5	QPSK	1	24	16.92	17.01	17.04	16.91			
5	QPSK	12	0	17.01	17.07	17.09	17.01			
5	QPSK	12	7	16.94	16.97	17.06	16.88	18.5	0	
5	QPSK	12	13	16.83	16.85	16.92	16.91			
5	QPSK	25	0	16.92	17.02	17.06	16.91			
5	16QAM	1	0	16.84	17.02	17.09	16.95			
5	16QAM	1	12	16.88	16.93	16.98	16.9	18.5	0	
5	16QAM	1	24	16.95	16.97	16.95	17.04			
5	16QAM	12	0	16.92	17	17	16.93			
5	16QAM	12	7	16.9	16.94	17.04	16.89			
5	16QAM	12	13	16.85	16.9	16.88	16.86	18.5	0	
5	16QAM	25	0	16.91	16.94	17	16.9			
5	64QAM	1	0	16.98	17.02	17	16.96			
5	64QAM	1	12	16.96	17.08	16.92	16.88			
5	64QAM	1	24	16.92	17.03	16.97	17.05	18.5	0	
5	64QAM	12	0	16.92	17.01	16.93	17.04			
5	64QAM	12	7	16.88	16.96	17.05	16.97			
5	64QAM	12	13	16.9	16.95	17	16.91			
5	64QAM	25	0	16.94	16.97	17.01	17	18.5	0	
5	256QAM	1	0	16.91	16.92	17.01	16.95			
5	256QAM	1	12	16.89	16.98	17.02	16.95			
5	256QAM	1	24	16.89	17.05	16.98	17.01			
5	256QAM	12	0	16.86	17.03	17.03	16.91	18.5	0	
5	256QAM	12	7	16.95	17.03	17.02	16.85			
5	256QAM	12	13	16.87	16.92	16.96	16.97			
5	256QAM	25	0	16.8	16.99	17	17			

Band 48 Ant 2 DSI3 simultaneous										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				55340	55830	56150	56640	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3560	3609	3641	3690			
20	QPSK	1	0	16.12	16.1	16.28	16.18	17.2	0	
20	QPSK	1	49	16.1	16.14	16.08	16.12			
20	QPSK	1	99	16.08	16.24	16.25	16.14			
20	QPSK	50	0	16.17	16.16	16.27	16.15			
20	QPSK	50	24	16.02	16.12	16.19	16.09	17.2	0	
20	QPSK	50	50	15.98	16.01	16.04	16.02			
20	QPSK	100	0	16.01	16.21	16.23	16.12			
20	16QAM	1	0	15.96	16.14	16.17	16.12			
20	16QAM	1	49	16.09	16.15	16.08	16.13	17.2	0	
20	16QAM	1	99	16.09	16.21	16.11	16.16			
20	16QAM	50	0	16.16	16.19	16.18	16.05			
20	16QAM	50	24	16.11	16.09	16.2	15.98			
20	16QAM	50	50	15.97	16.08	16.04	16	17.2	0	
20	16QAM	100	0	16.11	16.13	16.1	16.08			
20	64QAM	1	0	16.13	16.18	16.19	16.11			
20	64QAM	1	49	16.14	16.21	16.1	16.05	17.2	0	
20	64QAM	1	99	16.1	16.2	16.14	16.2			
20	64QAM	50	0	16.06	16.22	16.12	16.16			
20	64QAM	50	24	16.02	16.16	16.18	16.11			
20	64QAM	50	50	16	16.11	16.17	16.05	17.2	0	
20	64QAM	100	0	16.12	16.08	16.14	16.12			
20	256QAM	1	0	16.07	16.17	16.16	16.16			
20	256QAM	1	49	16.07	16.17	16.1	16.1	17.2	0	
20	256QAM	1	99	15.98	16.19	16.18	16.17			
20	256QAM	50	0	16.09	16.14	16.15	16.1			
20	256QAM	50	24	16.13	16.21	16.15	16.04			
20	256QAM	50	50	16.07	16.17	16.21	16.09	17.2	0	
20	256QAM	100	0	15.97	16.15	16.2	16.18			
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3557.5	3608	3642	3692.5			
15	QPSK	1	0	16.03	15.96	16.22	16.07	17.2	0	
15	QPSK	1	37	15.98	16	16	16.03			
15	QPSK	1	74	16.02	16.18	16.16	16.01			
15	QPSK	36	0	16.07	16.1	16.15	16.08			
15	QPSK	36	20	15.92	15.99	16.08	15.97	17.2	0	
15	QPSK	36	39	15.9	15.89	15.98	15.93			
15	QPSK	75	0	15.9	16.09	16.16	16			
15	16QAM	1	0	15.88	15.99	16.03	16.06			
15	16QAM	1	37	15.99	16.03	15.96	16.01	17.2	0	
15	16QAM	1	74	16.04	16.11	16	16.04			
15	16QAM	36	0	16.07	16.13	16.04	15.95			
15	16QAM	36	20	16.03	16.04	16.14	15.84			
15	16QAM	36	39	15.91	15.98	15.94	15.9	17.2	0	
15	16QAM	75	0	16	16.02	15.96	16.01			
15	64QAM	1	0	16.06	16.07	16.06	16.06			
15	64QAM	1	37	16.02	16.14	15.98	15.93	17.2	0	
15	64QAM	1	74	16	16.11	16.03	16.09			
15	64QAM	36	0	16.01	16.15	16.05	16.04			
15	64QAM	36	20	15.95	16.03	16.12	16.05			
15	64QAM	36	39	15.9	15.97	16.04	15.95	17.2	0	
15	64QAM	75	0	16.03	15.93	16.02	16			
15	256QAM	1	0	16.01	16.07	16.06	16.08			
15	256QAM	1	37	15.97	16.03	15.95	15.99	17.2	0	
15	256QAM	1	74	15.93	16.06	16.1	16.07			
15	256QAM	36	0	16.03	16.08	16.07	15.96			
15	256QAM	36	20	16.03	16.12	16.04	15.99			
15	256QAM	36	39	16.01	16.05	16.16	15.99	17.2	0	
15	256QAM	75	0	15.86	16.02	16.13	16.1			
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3555	3607.5	3642.5	3695			
10	QPSK	1	0	16.01	15.99	16.14	16.03	17.2	0	
10	QPSK	1	25	16.03	16.08	15.98	15.98			
10	QPSK	1	49	16.02	16.1	16.12	16.04			
10	QPSK	25	0	16.07	16.02	16.2	16			
10	QPSK	25	12	15.97	16.05	16.06	16.02	17.2	0	
10	QPSK	25	25	15.91	15.87	15.95	15.88			
10	QPSK	50	0	15.89	16.13	16.17	15.99			
10	16QAM	1	0	15.87	16.06	16.11	16.02			
10	16QAM	1	25	15.99	16.06	16.01	16.03	17.2	0	
10	16QAM	1	49	15.96	16.1	15.96	16.05			
10	16QAM	25	0	16.03	16.12	16.12	15.95			
10	16QAM	25	12	15.99	16.02	16.08	15.83			
10	16QAM	25	25	15.88	15.98	15.99	15.87	17.2	0	
10	16QAM	50	0	16.02	16.05	16	15.97			
10	64QAM	1	0	16.02	16.09	16.08	15.99			
10	64QAM	1	25	16.05	16.06	15.96	15.9	17.2	0	
10	64QAM	1	49	15.96	16.08	16.01	16.07			
10	64QAM	25	0	15.94	16.16	16.02	16.09			
10	64QAM	25	12	15.95	16.09	16.1	16			
10	64QAM	25	25	15.94	16.03	16.08	15.92	17.2	0	
10	64QAM	50	0	16.03	15.96	16.06	16.01			
10	256QAM	1	0	15.92	16.05	16.08	16.04			
10	256QAM	1	25	15.99	16.07	15.97	15.99	17.2	0	
10	256QAM	1	49	15.87	16.11	16.08	16.09			
10	256QAM	25	0	15.98	16.06	16.09	15.97			
10	256QAM	25	12	16.05	16.06	16.04	15.95			
10	256QAM	25	25	15.94	16.09	16.14	15.95	17.2	0	
10	256QAM	50	0	15.83	16.09	16.05	16.08			
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3552.5	3607	3643	3697.5			
5	QPSK	1	0	16.06	15.96	16.16	16.12	17.2	0	
5	QPSK	1	12	15.96	16.03	16	16.05			
5	QPSK	1	24	16.01	16.15	16.19	16.05			
5	QPSK	12	0	16.06	16.06	16.16	16.03			
5	QPSK	12	7	15.87	16.05	16.06	15.99	17.2	0	
5	QPSK	12	13	15.91	15.87	15.94	15.89			
5	QPSK	25	0	15.92	16.15	16.15	16.04			
5	16QAM	1	0	15.87	16.05	16.04	16.04			
5	16QAM	1	12	15.99	16.07	15.96	16.01	17.2	0	
5	16QAM	1	24	16.04	16.08	15.98	16.04			
5	16QAM	12	0	16.06	16.1	16.05	15.92			
5	16QAM	12	7	16	16	16.13	15.86			
5	16QAM	12	13	15.92	15.94	15.94	15.9	17.2	0	
5	16QAM	25	0	15.99	16.06	15.96	16			
5	64QAM	1	0	15.98	16.05	16.09	16.03			
5	64QAM	1	12	16.07	16.14	16.02	15.92			
5	64QAM	1	24	15.96	16.1	16.09	16.08	17.2	0	
5	64QAM	12	0	15.94	16.15	16.06	16.04			
5	64QAM	12	7	15.97	16.04	16.11	15.99			
5	64QAM	12	13	15.9	15.97	16.03	15.99			
5	64QAM	25	0	16.06	16	16.07	16.03	17.2	0	
5	256QAM	1	0	15.94	16.11	16.03	16.04			
5	256QAM	1	12	16	16.04	16.02	15.98			
5	256QAM	1	24	15.88	16.05	16.07	16.07			
5	256QAM	12	0	16.03	16.01	16.08	16	17.2	0	
5	256QAM	12	7	15.98	16.14	16.06	15.95			
5	256QAM	12	13	15.93	16.04	16.15	15.96			
5	256QAM	25	0	15.84	16.01	16.08	16.13			

GSM850 Ant0_DS16 Standalone

		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
GSM850		128	189	251		128	189	251	
TX Channel		824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)									
GSM 1 Tx slot		32.75	32.60	32.53	33.50	23.75	23.60	23.53	24.50
GPRS 1 Tx slot		32.75	32.60	32.53	33.50	23.75	23.60	23.53	24.50
GPRS 2 Tx slots		29.15	28.84	29.08	30.00	23.15	22.84	23.08	24.00
GPRS 3 Tx slots		28.46	28.50	28.38	29.50	24.20	24.24	24.12	25.24
GPRS 4 Tx slots		28.17	28.08	28.94	27.50	23.17	23.08	22.94	24.50
EDGE 1 Tx slot		25.57	25.62	25.67	27.00	16.57	16.62	16.67	18.00
EDGE 2 Tx slots		24.04	23.92	24.02	25.00	18.04	17.92	18.02	19.00
EDGE 3 Tx slots		22.76	22.65	22.75	24.00	18.50	18.39	18.49	19.74
EDGE 4 Tx slots		20.68	20.66	20.84	22.00	17.68	17.66	17.84	19.00

GSM1900 Ant0_DS16 Standalone

		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
GSM1900		512	851	910		512	851	910	
TX Channel		1850.2	1880	1900.8		1850.2	1880	1900.8	
Frequency (MHz)									
GSM 1 Tx slot		30.17	30.25	30.12	30.50	21.17	21.25	21.12	21.50
GPRS 1 Tx slot		30.17	30.25	30.12	30.50	21.17	21.25	21.12	21.50
GPRS 2 Tx slots		26.54	26.48	26.63	27.50	20.54	20.48	20.63	21.50
GPRS 3 Tx slots		25.14	25.17	25.10	26.50	20.88	20.91	20.84	22.24
GPRS 4 Tx slots		22.28	22.43	22.34	24.00	19.28	19.43	19.34	21.00
EDGE 1 Tx slot		25.24	25.14	25.29	26.50	16.24	16.14	16.29	17.50
EDGE 2 Tx slots		23.73	23.59	23.68	24.50	17.73	17.59	17.68	18.50
EDGE 3 Tx slots		22.60	22.48	22.55	23.50	18.34	18.22	18.29	19.24
EDGE 4 Tx slots		20.37	20.12	20.29	21.00	17.37	17.12	17.29	18.00

WCDMA II Ant0_DS16 Standalone

		WCDMA II			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
Band		9262	9400	9638		4132	4182	4233	
TX Channel		9662	9800	9938		4357	4407	4458	
Frequency (MHz)		1952.4	1880	1907.6		826.4	836.4	846.6	
3GPP Rel 99									
AMR 12.2Kbps		21.51	21.48	21.45	22.40	24.35	24.38	24.22	25.00
3GPP Rel 99		21.58	21.66	21.59	22.40	24.38	24.52	24.43	25.00
3GPP Rel 6		20.53	20.57	20.69	21.40	23.30	23.40	23.46	24.00
3GPP Rel 6		20.65	20.62	20.68	21.40	23.30	23.37	23.47	24.00
3GPP Rel 6		20.05	20.10	20.10	20.90	22.79	22.87	22.96	23.50
3GPP Rel 6		20.08	20.17	20.11	20.90	22.80	22.85	22.94	23.50
3GPP Rel 8		20.52	20.61	20.59	21.40	23.12	23.23	23.33	24.00
3GPP Rel 8		20.65	20.71	20.56	21.40	23.16	23.17	23.46	24.00
3GPP Rel 8		19.99	20.23	20.16	20.90	22.85	22.91	22.94	23.50
3GPP Rel 8		20.14	20.23	20.07	20.90	22.82	22.78	22.95	23.50
3GPP Rel 6		20.60	20.74	20.54	21.40	23.35	23.36	23.44	24.00
3GPP Rel 6		18.49	18.73	18.68	19.40	21.29	21.34	21.42	22.00
3GPP Rel 6		19.54	19.64	19.68	20.40	22.31	22.37	22.43	23.00
3GPP Rel 6		18.64	18.61	18.62	19.40	21.25	21.30	21.45	22.00
3GPP Rel 6		20.63	20.58	20.67	21.40	23.30	23.33	23.40	24.00

WCDMA V Ant0_DS16 Standalone

GSM850 Ant0_DS16 Simultaneous

GSM850		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		32.75	32.60	32.53	33.50	23.75	23.60	23.53	24.50
GPRS 1 Tx slot		32.75	32.60	32.53	33.50	23.75	23.60	23.53	24.50
GPRS 2 Tx slots		29.15	28.84	29.08	30.00	23.15	22.84	23.08	24.00
GPRS 3 Tx slots		28.46	28.50	28.38	29.50	24.20	24.24	24.12	25.24
GPRS 4 Tx slots		28.17	28.08	28.94	27.50	23.17	23.08	22.94	24.50
EDGE 1 Tx slot		25.57	25.62	25.67	27.00	16.57	16.62	16.67	18.00
EDGE 2 Tx slots		24.04	23.92	24.02	25.00	18.04	17.92	18.02	19.00
EDGE 3 Tx slots		22.76	22.65	22.75	24.00	18.50	18.39	18.49	19.74
EDGE 4 Tx slots		20.68	20.66	20.84	22.00	17.68	17.66	17.84	19.00

GSM1900 Ant0_DS16 Simultaneous

GSM1900		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	651	810		512	651	810	
Frequency (MHz)		1850.2	1880	1900.8		1850.2	1880	1900.8	
GSM 1 Tx slot		30.06	30.22	30.16	30.50	21.06	21.22	21.16	21.50
GPRS 1 Tx slot		30.06	30.22	30.16	30.50	21.06	21.22	21.16	21.50
GPRS 2 Tx slots		26.73	26.45	26.61	27.50	20.73	20.45	20.61	21.50
GPRS 3 Tx slots		24.72	24.75	24.71	26.50	20.46	20.49	20.45	22.24
GPRS 4 Tx slots		22.28	22.43	22.34	24.00	19.28	19.43	19.34	21.00
EDGE 1 Tx slot		25.24	25.14	25.29	26.50	16.24	16.14	16.29	17.50
EDGE 2 Tx slots		23.73	23.59	23.68	24.50	17.73	17.59	17.68	18.50
EDGE 3 Tx slots		22.60	22.48	22.55	23.50	18.34	18.22	18.29	19.24
EDGE 4 Tx slots		20.37	20.12	20.29	21.00	17.37	17.12	17.29	18.00

WCDMA II Ant0_DS16 Simultaneous

WCDMA V Ant0_DS16 Simultaneous

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9638		4132	4182	4233	
Rx Channel		9662	9800	9938		4357	4407	4458	
Frequency (MHz)		1952.4	1880	1907.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	20.44	20.41	20.37	21.10	24.35	24.38	24.22	25.00
3GPP Rel 99	RMC 12.2Kbps	20.49	20.70	20.58	21.10	24.38	24.52	24.43	25.00
3GPP Rel 6	HSDPA Subtest-1	19.59	19.65	19.63	20.10	23.30	23.40	23.46	24.00
3GPP Rel 6	HSDPA Subtest-2	19.71	19.62	19.74	20.10	23.30	23.37	23.47	24.00
3GPP Rel 6	HSDPA Subtest-3	19.97	19.08	19.07	19.60	22.79	22.87	22.96	23.50
3GPP Rel 6	HSDPA Subtest-4	19.12	19.16	19.02	19.60	22.80	22.85	22.94	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	19.54	19.64	19.66	20.10	23.12	23.23	23.33	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	19.75	19.68	19.47	20.10	23.16	23.17	23.46	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	19.06	19.29	19.23	19.60	22.85	22.91	22.94	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	19.22	19.23	19.04	19.60	22.82	22.78	22.95	23.50
3GPP Rel 6	HSUPA Subtest-1	19.58	19.77	19.58	20.10	23.35	23.36	23.44	24.00
3GPP Rel 6	HSUPA Subtest-2	17.56	17.83	17.73	18.10	21.29	21.34	21.42	22.00
3GPP Rel 6	HSUPA Subtest-3	18.57	18.55	18.77	19.10	22.31	22.37	22.43	23.00
3GPP Rel 6	HSUPA Subtest-4	17.61	17.85	17.68	18.10	21.25	21.30	21.45	22.00
3GPP Rel 6	HSUPA Subtest-5	19.63	19.57	19.62	20.10	23.30	23.33	23.40	24.00

GSM850 Ant1_DS16 Standalone

	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	129	189	251		129	189	251	
GSM850								
TX Channel	129	189	251		129	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.57	32.36	32.31	33.50	23.57	23.36	23.31	24.50
GPRS 1 Tx slot	32.57	32.36	32.31	33.50	23.57	23.36	23.31	24.50
GPRS 2 Tx slots	29.28	29.04	29.05	30.00	23.28	23.04	23.05	24.00
GPRS 3 Tx slots	28.07	28.14	28.08	29.50	23.81	23.88	23.82	25.24
GPRS 4 Tx slots	26.32	26.03	26.01	27.50	23.32	23.03	23.01	24.50
EDGE 1 Tx slot	25.35	25.26	25.44	27.00	16.35	16.26	16.44	18.00
EDGE 2 Tx slots	23.66	23.56	23.74	25.00	17.66	17.56	17.74	19.00
EDGE 3 Tx slots	22.43	22.37	22.52	24.00	18.17	18.11	18.26	19.74
EDGE 4 Tx slots	20.41	20.40	20.56	22.00	17.41	17.40	17.56	19.00

WCDMA V Ant1_DS16 Standalone

Band		WCDMA V			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.51	23.61	23.74	24.50
3GPP Rel 99	RMC 12.2Kbps	23.54	23.67	23.77	24.50
3GPP Rel 6	HSDPA Subtest-1	22.65	22.77	22.90	23.50
3GPP Rel 6	HSDPA Subtest-2	22.63	22.74	22.89	23.50
3GPP Rel 6	HSDPA Subtest-3	22.15	22.28	22.40	23.00
3GPP Rel 6	HSDPA Subtest-4	22.13	22.25	22.37	23.00
3GPP Rel 8	DC-HSDPA Subtest-1	22.60	22.72	22.73	23.50
3GPP Rel 8	DC-HSDPA Subtest-2	22.49	22.58	22.82	23.50
3GPP Rel 8	DC-HSDPA Subtest-3	22.17	22.25	22.45	23.00
3GPP Rel 8	DC-HSDPA Subtest-4	22.20	22.21	22.46	23.00
3GPP Rel 6	HSUPA Subtest-1	22.62	22.76	22.86	23.50
3GPP Rel 6	HSUPA Subtest-2	20.60	20.73	20.84	21.50
3GPP Rel 6	HSUPA Subtest-3	21.63	21.71	21.83	22.80
3GPP Rel 6	HSUPA Subtest-4	20.62	20.67	20.85	21.50
3GPP Rel 6	HSUPA Subtest-5	22.60	22.70	22.80	23.50

GSM850 Ant1_DS16 Simultaneous

	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	129	189	251		129	189	251	
GSM850								
TX Channel	129	189	251		129	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.57	32.36	32.31	33.50	23.57	23.36	23.31	24.50
GPRS 1 Tx slot	32.57	32.36	32.31	33.50	23.57	23.36	23.31	24.50
GPRS 2 Tx slots	29.28	29.04	29.05	30.00	23.28	23.04	23.05	24.00
GPRS 3 Tx slots	28.07	28.14	28.08	29.50	23.81	23.88	23.82	25.24
GPRS 4 Tx slots	26.32	26.03	26.01	27.50	23.32	23.03	23.01	24.50
EDGE 1 Tx slot	25.35	25.26	25.44	27.00	16.35	16.26	16.44	18.00
EDGE 2 Tx slots	23.66	23.56	23.74	25.00	17.66	17.56	17.74	19.00
EDGE 3 Tx slots	22.43	22.37	22.52	24.00	18.17	18.11	18.26	19.74
EDGE 4 Tx slots	20.41	20.40	20.56	22.00	17.41	17.40	17.56	19.00

WCDMA V Ant1_DS16 Simultaneous

Band	WCDMA V			Tune-up Limit (dBm)
	4132	4182	4233	
TX Channel	4132	4182	4233	
Rx Channel	4357	4407	4458	
Frequency (MHz)	826.4	836.4	846.6	
3GPP Rel 99				
AMR 12.2Kbps	23.51	23.61	23.74	24.50
RMC 12.2Kbps	23.54	23.67	23.77	24.50
3GPP Rel 6				
HSDPA Subtest-1	22.65	22.77	22.90	23.50
HSDPA Subtest-2	22.63	22.74	22.89	23.50
HSDPA Subtest-3	22.15	22.28	22.40	23.00
HSDPA Subtest-4	22.13	22.25	22.37	23.00
3GPP Rel 8				
DC-HSDPA Subtest-1	22.60	22.72	22.73	23.50
DC-HSDPA Subtest-2	22.49	22.58	22.82	23.50
DC-HSDPA Subtest-3	22.17	22.25	22.45	23.00
DC-HSDPA Subtest-4	22.20	22.21	22.46	23.00
3GPP Rel 6				
HSUPA Subtest-1	22.62	22.76	22.86	23.50
HSUPA Subtest-2	20.60	20.73	20.84	21.50
HSUPA Subtest-3	21.63	21.71	21.83	22.80
HSUPA Subtest-4	20.62	20.67	20.85	21.50
3GPP Rel 6				
HSUPA Subtest-5	22.60	22.70	22.80	23.50



Band 2 Ant0 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turn-up Time (s)	MPE (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	20.11	20.36	20.58			
20	QPSK	1	49	20.07	20.23	20.21	21.1	0	
20	QPSK	1	99	20.17	20.12	20.19			
20	QPSK	50	0	20.12	20.22	20.25			
20	QPSK	50	24	19.95	20.05	20.14	21.1	0	
20	QPSK	50	50	19.92	20.13	20.13			
20	QPSK	100	0	20.10	20.20	20.16			
20	16QAM	1	0	20.04	20.19	20.11			
20	16QAM	1	49	20.05	20.12	20.05	21.1	0	
20	16QAM	1	99	20.06	19.97	20.07			
20	16QAM	50	0	19.95	20.08	20.18			
20	16QAM	50	24	19.87	19.98	20.13	21.1	0	
20	16QAM	50	50	20.01	20.06	20.06			
20	16QAM	100	0	19.98	20.19	20.12			
20	64QAM	1	0	19.95	20.19	20.04			
20	64QAM	1	49	20.02	20.02	20.02	21.1	0	
20	64QAM	1	99	20.12	19.94	20.15			
20	64QAM	50	0	19.98	20.01	20.10			
20	64QAM	50	24	20.04	19.94	20.06	21.1	0	
20	64QAM	50	50	19.95	20.02	20.09			
20	256QAM	1	0	20.04	20.09	20.08			
20	256QAM	1	49	19.95	19.11	19.13	20	1.1	
20	256QAM	1	99	19.93	19.10	19.10			
20	256QAM	50	0	19.95	19.05	19.07			
20	256QAM	50	24	19.79	18.85	18.87	20	1.1	
20	256QAM	50	50	18.83	18.87	18.78			
20	256QAM	100	0	18.82	18.89	18.81			
Channel									
Frequency (MHz)									
15	QPSK	1	0	20.08	20.32	19.91			
15	QPSK	1	37	20.01	20.08	20.07	21.1	0	
15	QPSK	1	74	20.08	20.05	20.09			
15	QPSK	36	0	19.95	20.10	19.91			
15	QPSK	36	25	19.82	19.95	20.06	21.1	0	
15	QPSK	36	36	19.80	19.95	20.06			
15	QPSK	75	0	19.99	20.12	20.05			
15	16QAM	1	0	19.90	20.13	20.09			
15	16QAM	1	37	19.90	20.04	19.99	21.1	0	
15	16QAM	1	74	20.03	20.08	19.96			
15	16QAM	36	0	19.88	20.03	20.18	21.1	0	
15	16QAM	36	25	19.85	19.92	20.05			
15	16QAM	36	36	19.86	19.96	20.03			
15	16QAM	75	0	19.87	20.14	20.03			
15	64QAM	1	0	19.89	20.16	20.01	21.1	0	
15	64QAM	1	37	19.87	20.07	20.07			
15	64QAM	1	74	20.00	19.92	20.01			
15	64QAM	36	0	19.95	19.83	20.05	21.1	0	
15	64QAM	36	25	20.00	19.88	20.00			
15	64QAM	36	36	19.80	19.93	20.05			
15	64QAM	75	0	19.88	19.91	20.03			
15	256QAM	1	0	19.88	19.86	19.81			
15	256QAM	1	37	19.90	19.05	19.05	20	1.1	
15	256QAM	1	74	19.91	19.91	19.96			
15	256QAM	36	0	19.86	19.85	19.86			
15	256QAM	36	25	19.72	18.79	18.78	20	1.1	
15	256QAM	36	36	18.72	18.86	18.68			
15	256QAM	75	0	18.78	18.82	18.75			
Channel									
Frequency (MHz)									
15	QPSK	1	0	20.06	20.27	19.97			
15	QPSK	1	49	20.06	20.10	20.13	21.1	0	
15	QPSK	1	99	20.02	20.08	19.99			
15	QPSK	50	0	20.08	20.09	20.01			
15	QPSK	50	12	19.89	19.88	20.01	21.1	0	
15	QPSK	25	26	19.81	20.02	20.01			
15	16QAM	1	0	20.06	20.03	19.94			
15	16QAM	1	49	19.99	20.07	19.84	21.1	0	
15	16QAM	1	99	19.97	19.96	19.94			
15	16QAM	50	0	19.89	20.03	20.12			
15	16QAM	50	12	19.78	19.88	20.07	21.1	0	
15	16QAM	50	24	19.91	19.84	19.86			
15	16QAM	50	50	19.85	20.12	20.05			
15	64QAM	1	0	19.79	20.02	19.95			
15	64QAM	1	49	19.86	19.87	19.86	21.1	0	
15	64QAM	1	99	19.98	19.77	19.99			
15	64QAM	25	0	19.86	19.86	20.05	21.1	0	
15	64QAM	25	25	19.83	19.98	20.03			
15	64QAM	50	0	19.85	20.05	19.98			
15	256QAM	1	0	19.88	19.12	19.12	20	1.1	
15	256QAM	1	25	19.85	19.10	19.09			
15	256QAM	1	49	19.97	19.03	19.01			
15	256QAM	1	99	19.76	19.05	19.05	20	1.1	
15	256QAM	25	12	18.71	18.81	18.78			
15	256QAM	25	25	18.79	18.87	18.71	20	1.1	
15	256QAM	50	0	18.74	18.82	18.75			
Channel									
Frequency (MHz)									
5	QPSK	1	0	20.12	20.21	20.14			
5	QPSK	1	12	19.99	20.10	20.09	21.1	0	
5	QPSK	1	24	20.12	19.98	20.01			
5	QPSK	12	0	20.16	20.12	20.10			
5	QPSK	12	7	19.83	19.94	19.99	21.1	0	
5	QPSK	12	13	19.77	20.03	20.02			
5	QPSK	36	0	19.86	19.98	20.09			
5	16QAM	1	0	19.89	20.04	19.97			
5	16QAM	1	12	19.92	20.02	19.98	21.1	0	
5	16QAM	1	24	19.87	19.84	19.84			
5	16QAM	12	0	19.90	20.04	20.10			
5	16QAM	12	7	19.73	19.82	19.85	21.1	0	
5	16QAM	12	14	19.85	19.98	20.03			
5	16QAM	25	0	19.86	20.09	20.02			
5	64QAM	1	0	19.82	20.07	19.93	21.1	0	
5	64QAM	1	14	19.82	19.84	19.84			
5	64QAM	1	24	19.98	19.89	20.02			
5	64QAM	12	0	19.91	19.97	20.02	21.1	0	
5	64QAM	12	12	19.82	19.88	19.93			
5	64QAM	12	13	19.88	19.89	19.94			
5	64QAM	25	0	19.92	19.94	20.03			
5	256QAM	1	0	19.04	19.06	19.05	20	1.1	
5	256QAM	1	12	18.97	19.01	18.98			
5	256QAM	1	24	18.98	19.10	19.01			
5	256QAM	1	36	18.91	18.91	18.90	20	1.1	
5	256QAM	12	7	18.88	18.78	18.83			
5	256QAM	12	13	18.80	18.85	18.86	20	1.1	
5	256QAM	25	0	18.80	18.87	18.78			
Channel									
Frequency (MHz)									
3	QPSK	1	0	19.87	20.24	20.14			
3	QPSK	1	8	19.96	20.14	20.13	21.1	0	
3	QPSK	1	14	20.09	20.07	20.06			
3	QPSK	8	0	20.05	20.11	20.06			
3	QPSK	8	4	19.87	19.95	20.02	21.1	0	
3	QPSK	8	7	19.88	20.02	20.06			
3	QPSK	15	0	19.85	20.12	20.05			
3	16QAM	1	0	19.97	20.14	20.03			
3	16QAM	1	8	19.92	20.01	19.97	21.1	0	
3	16QAM	1	14	19.83	19.87	19.87			
3	16QAM	8	0	19.80	19.99	20.07			
3	16QAM	8	4	19.79	19.86	20.04	21.1	0	
3	16QAM	8	7	19.86	19.90	20.05			
3	16QAM	15	0	19.89	20.10	20.00			
3	64QAM	1	0	19.89	20.10	19.96	21.1	0	
3	64QAM	1	8	19.86	19.93	19.93			
3	64QAM	1	14	20.01	19.89	20.00			
3	64QAM	8	0	19.88	19.95	20.09	21.1	0	
3	64QAM	8	4	19.99	19.86	19.92			
3	64QAM	8	7	19.86	19.98	19.98			
3	64QAM	15	0	19.99	20.03	19.98			
3	256QAM	1	0	19.02	19.13	19.02	20	1.1	
3	256QAM	1	8	18.96	19.05	18.97			
3	256QAM	1	14	18.97	19.10	19.06			
3	256QAM	1	15	18.88	19.03	18.84	20	1.1	
3	256QAM	8	4	18.78	18.78	18.79			
3	256QAM	8	7	18.77	18.84	18.77	20	1.1	
3	256QAM	15	0	18.72	18.82	18.79			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	20.06	20.21	20.03			
1.4	QPSK	1	3	19.93	20.10	20.16	21.1	0	
1.4	QPSK	1	5	20.12	20.00	20.01			
1.4	QPSK	3	0	20.05	20.00	19.99			
1.4	QPSK	3	1	19.87	19.98	20.10			
1.4	QPSK	3	1	19.83	20.01	20.05	21.1	0	
1.4	QPSK	6							
1.4	16QAM	1	0	19.97	20.13	19.99			
1.4	16QAM	1	3	19.94	19.99	19.92	21.1	0	
1.4	16QAM	1	5	19.99	19.87	20.03			
1.4	16QAM	3	0	19.95	20.06	20.04			
1.4	16QAM	3	1	19.80	19.98	20.06	21.1	0	
1.4	16QAM	3	1	19.77	19.97	20.07			
1.4	16QAM	6	0	19.96	20.05	19.98	21.1	0	
1.4	16QAM	6	3	19.97	19.82	20.05			
1.4	16QAM	6	5	19.80	19.85	19.88	21.1	0	
1.4	16QAM	6	3	19.92	19.82	20.05			
1.4	16QAM	6	5	19.92	19.82	20.05			
1.4	16QAM	6	3	19.82	19.97	19.97	21.1	0	
1.4	16QAM	6	5	19.99	19.97	20.01			
1.4	16QAM	6	3	19.11	18.9				



Band 7 Ant0 Standalone												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. (MHz)	Power Mid Ch./Freq. (MHz)	Power High Ch./Freq. (MHz)	Turn-up (dB)	MPE (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	22.71	22.83	22.94			23.5	0		
20	QPSK	1	49	22.60	22.80	22.78						
20	QPSK	1	99	22.71	22.84	22.84						
20	QPSK	50	0	22.60	22.72	22.94						
20	QPSK	50	24	22.47	22.62	22.88						
20	QPSK	50	50	22.68	22.81	22.68			23.5	0		
20	QPSK	100	0	22.46	22.67	22.94						
20	HQAM	1	0	22.55	22.62	22.94						
20	HQAM	1	49	22.43	22.56	22.59			23.5	0		
20	HQAM	1	99	22.65	22.48	22.96						
20	HQAM	50	0	22.33	22.50	22.59						
20	HQAM	50	24	22.47	22.48	22.63			23.5	0		
20	HQAM	50	50	22.59	22.59	22.49						
20	HQAM	100	0	22.40	22.59	22.52						
20	HQAM	1	0	22.43	22.62	22.54			23.5	0		
20	HQAM	1	49	22.61	22.48	22.40						
20	HQAM	1	99	22.60	22.45	22.56						
20	HQAM	50	0	22.33	22.50	22.44			23.5	0		
20	HQAM	50	24	22.41	22.49	22.39						
20	HQAM	50	50	22.39	22.51	22.27						
20	HQAM	100	0	22.44	22.53	22.38			19.8	3.7		
20	SSBQAM	1	49	19.50	19.63	19.71						
20	SSBQAM	1	99	19.43	19.68	19.51			19.8	3.7		
20	SSBQAM	50	0	19.32	19.41	19.29						
20	SSBQAM	50	24	19.18	19.28	19.45			19.8	3.7		
20	SSBQAM	50	50	19.26	19.23	19.25						
20	SSBQAM	100	0	19.08	19.18	19.26			Turn-up (dB)	MPE (dB)		
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.68	22.70	22.40			23.5	0		
15	QPSK	1	37	22.64	22.64	22.64						
15	QPSK	1	74	22.69	22.67	22.67			23.5	0		
15	QPSK	36	0	22.49	22.62	22.44						
15	QPSK	36	20	22.31	22.34	22.42			23.5	0		
15	QPSK	36	36	22.52	22.48	22.60						
15	QPSK	75	0	22.36	22.52	22.49			23.5	0		
15	HQAM	1	0	22.41	22.55	22.58						
15	HQAM	1	37	22.44	22.41	22.44			23.5	0		
15	HQAM	1	74	22.59	22.43	22.46						
15	HQAM	36	0	22.26	22.46	22.43			23.5	0		
15	HQAM	36	20	22.38	22.37	22.37						
15	HQAM	75	0	19.47	19.50	19.67			23.5	0		
15	HQAM	75	0	22.34	22.55	22.41						
15	HQAM	1	0	22.34	22.53	22.38			23.5	0		
15	HQAM	1	37	22.63	22.42	22.42						
15	HQAM	1	74	22.53	22.34	22.51			23.5	0		
15	HQAM	36	0	22.40	22.45	22.45						
15	HQAM	36	20	22.42	22.42	22.42			23.5	0		
15	HQAM	36	36	22.32	22.33	22.34						
15	HQAM	75	0	22.21	22.46	22.48			19.8	3.7		
15	SSBQAM	1	37	19.53	19.54	19.47						
15	SSBQAM	1	74	19.40	19.63	19.51			19.8	3.7		
15	SSBQAM	36	0	19.39	19.58	19.69						
15	SSBQAM	36	20	19.16	19.17	19.27			19.8	3.7		
15	SSBQAM	36	36	19.19	19.20	19.20						
15	SSBQAM	75	0	18.98	19.05	19.10			Turn-up (dB)	MPE (dB)		
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.61	22.74	22.40			23.5	0		
10	QPSK	1	49	22.61	22.58	22.51						
10	QPSK	25	0	22.53	22.66	22.40			23.5	0		
10	QPSK	25	12	22.32	22.59	22.48						
10	QPSK	25	25	22.44	22.56	22.49			23.5	0		
10	HQAM	1	0	22.41	22.63	22.47						
10	HQAM	1	0	22.44	22.50	22.47			23.5	0		
10	HQAM	1	25	22.49	22.43	22.44						
10	HQAM	1	49	22.48	22.43	22.45			23.5	0		
10	HQAM	25	0	22.23	22.45	22.53						
10	HQAM	25	12	22.34	22.36	22.59			23.5	0		
10	HQAM	25	25	22.47	22.46	22.43						
10	HQAM	50	0	22.27	22.50	22.36			23.5	0		
10	HQAM	1	0	22.37	22.48	22.44						
10	HQAM	1	25	22.47	22.38	22.31			23.5	0		
10	HQAM	1	49	22.50	22.41	22.51						
10	HQAM	25	0	22.47	22.43	22.39			23.5	0		
10	HQAM	25	12	22.35	22.27	22.27						
10	HQAM	25	25	22.38	22.36	22.32			23.5	0		
10	HQAM	50	0	22.31	22.34	22.35						
10	SSBQAM	1	0	19.46	19.50	19.51			19.8	3.7		
10	SSBQAM	1	25	19.43	19.60	19.46						
10	SSBQAM	1	49	19.41	19.63	19.44			19.8	3.7		
10	SSBQAM	25	0	19.31	19.40	19.18						
10	SSBQAM	25	12	19.19	19.22	19.42			19.8	3.7		
10	SSBQAM	25	25	19.23	19.24	19.20						
10	SSBQAM	50	0	19.10	19.20	19.23			Turn-up (dB)	MPE (dB)		
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.62	22.66	22.45			23.5	0		
5	QPSK	1	12	22.55	22.76	22.70						
5	QPSK	1	24	22.56	22.52	22.60			23.5	0		
5	QPSK	12	0	22.46	22.60	22.40						
5	QPSK	12	6	22.36	22.59	22.52			23.5	0		
5	QPSK	12	13	22.45	22.47	22.63						
5	HQAM	1	0	22.46	22.43	22.38			23.5	0		
5	HQAM	1	0	22.43	22.50	22.56						
5	HQAM	1	12	22.44	22.50	22.47			23.5	0		
5	HQAM	1	24	22.58	22.42	22.51						
5	HQAM	12	0	22.18	22.52	22.49			23.5	0		
5	HQAM	12	7	22.33	22.36	22.68						
5	HQAM	12	14	22.44	22.44	22.46			23.5	0		
5	HQAM	25	0	22.30	22.49	22.41						
5	HQAM	1	0	22.35	22.51	22.48			23.5	0		
5	HQAM	1	12	22.41	22.35	22.33						
5	HQAM	1	24	22.58	22.30	22.49			23.5	0		
5	HQAM	12	0	22.49	22.40	22.32						
5	HQAM	12	7	22.37	22.34	22.35			23.5	0		
5	HQAM	12	13	22.38	22.36	22.45						
5	HQAM	25	0	22.35	22.31	22.37			19.8	3.7		
5	SSBQAM	1	0	19.41	19.52	19.51						
5	SSBQAM	1	12	19.48	19.39	19.44			19.8	3.7		
5	SSBQAM	12	0	19.25	19.34	19.24						
5	SSBQAM	12	7	19.09	19.21	19.41			19.8	3.7		
5	SSBQAM	12	13	19.20	19.20	19.20						
5	SSBQAM	25	0	19.22	19.28	19.28			Turn-up (dB)	MPE (dB)		



Band 2 Ant0 Simultaneous												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turn-up Init. (dB)	MFR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	18.56	18.85	18.72			10.8	0		
20	QPSK	1	49	18.56	18.85	18.72						
20	QPSK	1	99	18.83	18.81	18.83			10.8	0		
20	QPSK	50	0	18.52	18.59	18.53						
20	QPSK	50	24	18.44	18.45	18.57			10.8	0		
20	QPSK	50	50	18.55	18.55	18.47						
20	QPSK	100	0	18.57	18.49	18.49			10.8	0		
20	16QAM	1	0	18.47	18.48	18.42						
20	16QAM	1	49	18.40	18.69	18.57			10.8	0		
20	16QAM	1	99	18.52	18.39	18.65						
20	16QAM	50	0	18.51	18.45	18.48			10.8	0		
20	16QAM	50	24	18.47	18.45	18.47						
20	16QAM	50	50	18.56	18.49	18.49			10.8	0		
20	16QAM	100	0	18.45	18.65	18.61						
20	84QAM	1	0	18.50	18.54	18.54			10.8	0		
20	84QAM	1	49	18.53	18.59	18.71						
20	84QAM	1	99	18.50	18.77	18.63			10.8	0		
20	84QAM	50	0	18.45	18.48	18.48						
20	84QAM	50	24	18.57	18.47	18.54			10.8	0		
20	84QAM	50	50	18.42	18.53	18.37						
20	84QAM	100	0	18.40	18.71	18.51			10.8	0		
20	256QAM	1	0	18.42	18.54	18.38						
20	256QAM	1	49	18.42	18.65	18.64			10.8	0		
20	256QAM	1	99	18.66	18.63	18.37						
20	256QAM	50	0	18.42	18.59	18.42			10.8	0		
20	256QAM	50	24	18.40	18.43	18.51						
20	256QAM	50	50	18.43	18.63	18.69			10.8	0		
20	256QAM	100	0	18.56	18.39	18.69						
Channel												
Frequency (MHz)												
15	QPSK	1	0	18.43	18.85	18.63			10.8	0		
15	QPSK	1	37	18.48	18.54	18.71						
15	QPSK	1	74	18.58	18.47	18.56			10.8	0		
15	QPSK	36	0	18.45	18.53	18.37						
15	QPSK	36	25	18.36	18.67	18.48			10.8	0		
15	QPSK	36	39	18.41	18.58	18.66						
15	QPSK	75	0	18.51	18.35	18.43			10.8	0		
15	16QAM	1	0	18.41	18.35	18.35						
15	16QAM	1	37	18.34	18.53	18.52			10.8	0		
15	16QAM	1	74	18.59	18.32	18.42						
15	16QAM	36	0	18.40	18.30	18.44			10.8	0		
15	16QAM	36	25	18.40	18.30	18.32						
15	16QAM	75	0	18.33	18.61	18.56			10.8	0		
15	84QAM	1	0	18.36	18.46	18.58						
15	84QAM	1	37	18.57	18.48	18.52			10.8	0		
15	84QAM	1	74	18.55	18.63	18.53						
15	84QAM	36	0	18.41	18.41	18.58			10.8	0		
15	84QAM	36	25	18.46	18.36	18.43						
15	84QAM	36	39	18.34	18.45	18.31			10.8	0		
15	84QAM	75	0	18.27	18.67	18.42						
15	256QAM	1	0	18.28	18.40	18.52			10.8	0		
15	256QAM	1	37	18.37	18.20	18.55						
15	256QAM	1	74	18.51	18.46	18.25			10.8	0		
15	256QAM	36	0	18.35	18.32	18.38						
15	256QAM	36	25	18.25	18.38	18.48			10.8	0		
15	256QAM	36	39	18.37	18.44	18.59						
15	256QAM	75	0	18.47	18.25	18.43			10.8	0		
Channel												
Frequency (MHz)												
15	QPSK	1	0	18.30	18.78	18.68			10.8	0		
15	QPSK	1	25	18.44	18.59	18.65						
15	QPSK	1	49	18.49	18.44	18.48			10.8	0		
15	QPSK	1	74	18.48	18.49	18.48						
15	QPSK	25	0	18.32	18.62	18.44			10.8	0		
15	QPSK	25	12	18.32	18.62	18.44						
15	QPSK	25	26	18.49	18.48	18.58			10.8	0		
15	QPSK	50	0	18.48	18.59	18.37						
15	QPSK	50	1	18.43	18.35	18.35			10.8	0		
15	16QAM	1	0	18.26	18.61	18.49						
15	16QAM	1	49	18.36	18.50	18.48			10.8	0		
15	16QAM	25	0	18.46	18.40	18.33						
15	16QAM	25	12	18.33	18.39	18.37			10.8	0		
15	16QAM	25	26	18.52	18.48	18.48						
15	16QAM	50	0	18.33	18.58	18.57			10.8	0		
15	84QAM	1	0	18.37	18.48	18.58						
15	84QAM	1	49	18.51	18.44	18.49			10.8	0		
15	84QAM	1	99	18.52	18.72	18.55						
15	84QAM	25	0	18.29	18.34	18.64			10.8	0		
15	84QAM	25	12	18.42	18.35	18.35						
15	84QAM	25	26	18.30	18.48	18.28			10.8	0		
15	84QAM	50	0	18.28	18.66	18.45						
15	256QAM	1	0	18.35	18.41	18.41			10.8	0		
15	256QAM	1	25	18.37	18.20	18.55						
15	256QAM	1	49	18.51	18.46	18.25			10.8	0		
15	256QAM	25	0	18.35	18.32	18.38						
15	256QAM	25	12	18.32	18.37	18.34			10.8	0		
15	256QAM	50	0	18.44	18.30	18.43						
Channel												
Frequency (MHz)												
15	QPSK	1	0	18.30	18.78	18.68			10.8	0		
15	QPSK	1	12	18.45	18.58	18.67						
15	QPSK	1	24	18.57	18.40	18.48			10.8	0		
15	QPSK	12	0	18.42	18.44	18.44						
15	QPSK	12	7	18.35	18.70	18.45			10.8	0		
15	QPSK	12	13	18.45	18.47	18.45						
15	QPSK	36	0	18.45	18.60	18.48			10.8	0		
15	QPSK	36	8	18.33	18.33	18.32						
15	16QAM	1	0	18.29	18.65	18.48			10.8	0		
15	16QAM	1	24	18.36	18.48	18.35						
15	16QAM	12	0	18.36	18.35	18.39			10.8	0		
15	16QAM	12	7	18.43	18.31	18.35						
15	16QAM	12	14	18.55	18.44	18.41			10.8	0		
15	16QAM	25	0	18.35	18.51	18.48						
15	84QAM	1	0	18.43	18.45	18.52			10.8	0		
15	84QAM	1	12	18.55	18.57	18.52						
15	84QAM	1	24	18.51	18.71	18.52			10.8	0		
15	84QAM	12	0	18.30	18.43	18.58						
15	84QAM	12	7	18.41	18.35	18.48			10.8	0		
15	84QAM	12	13	18.31	18.39	18.28						
15	84QAM	25	0	18.29	18.64	18.45			10.8	0		
15	84QAM	25	12	18.46	18.49	18.44						
15	256QAM	1	0	18.28	18.59	18.59			10.8	0		
15	256QAM	1	12	18.28	18.59	18.59						
15	256QAM	1	24	18.51	18.38	18.21			10.8	0		
15	256QAM	12	0	18.57	18.48	18.49						
15	256QAM	12	7	18.29	18.29	18.45			10.8	0		
15	256QAM	12	13	18.39	18.45	18.54						
15	256QAM	25	0	18.53	18.28	18.48			10.8	0		
Channel												
Frequency (MHz)												
3	QPSK	1	0	18.39	18.74	18.56			10.8	0		
3	QPSK	1	8	18.57	18.36	18.61						
3	QPSK	1	16	18.53	18.36	18.56			10.8	0		
3	QPSK	8	0	18.47	18.45	18.41						
3	QPSK	8	7	18.48	18.56	18.58			10.8	0		
3	QPSK	15	0	18.48	18.64	18.48						
3	QPSK	15	8	18.40	18.62	18.45			10.8	0		
3	16QAM	1	0	18.28	18.61	18.45						
3	16QAM	1	4	18.48	18.55	18.51			10.8	0		
3	16QAM	8	0	18.32	18.29	18.33						
3	16QAM	8	7	18.52	18.52	18.48			10.8	0		
3	16QAM	15	0	18.54	18.53	18.47						
3	84QAM	1	0	18.36	18.43	18.51			10.8	0		
3	84QAM	8	0	18.49	18.54	18.60						
3	84QAM	8	7	18.70	18.39	18.63			10.8	0		
3	84QAM	15	0	18.32	18.36	18.63						
3	256QAM	8	4	18.52	18.33	18.49			10.8	0		
3	256QAM	1	0	18.46	18.40	18.53						
3	256QAM	8	0	18.27	18.47	18.43			10.8	0		
3	256QAM	15	0	18.60	18.43	18.43						
3	256QAM	15	8	18.33	18.33	18.44			10.8	0		
3	256QAM	8	7	18.33	18.44	18.55						
3	256QAM	15	0	18.45	18.29	18.45			10.8	0		
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	18.48	18.74	18.55			10.8	0		
1.4	QPSK	1	8	18.44	18.57	18.58						
1.4	QPSK	1	16	18.50	18.45	18.51			10.8	0		
1.4	QPSK	8	0	18.46	18.47	18.49						
1.4	QPSK	8	7	18.39	18.56	18.57			10.8	0		
1.4	QPSK	3	0	18.51	18.54	18.51						
1.4	QPSK	3	8	18.50	18.59	18.49			10.8	0		
1.4	QPSK	6	0	18.50	18.59	18.49						
1.4	QPSK	6	7	18.37	18.54	18.53			10.8	0		
1.4	16QAM	1	0	18.41	18.53	18.50						
1.4	16QAM	1	8	18.45	18.48	18.48			10.8	0		
1.4	16QAM	3	0	18.32	18.37	18.41						
1.4	16QAM	3	8	18.53	18.53	18.47			10.8	0		
1.4	8											



Band 7 Ant0 Simultaneous												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq (MHz)	Power Mid Ch / Freq (MHz)	Power High Ch / Freq (MHz)	Turn-up (dB)	MFR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	21.03	21.12	21.10			22.4	0		
20	QPSK	1	49	20.99	21.08	21.06						
20	QPSK	1	99	20.87	20.87	20.98						
20	QPSK	50	0	20.81	21.10	20.87			22.4	0		
20	QPSK	50	24	21.07	20.89	20.92						
20	QPSK	50	50	20.93	20.84	20.93						
20	QPSK	100	0	20.89	21.09	21.01			22.4	0		
20	QPSK	100	0	21.00	21.02	21.01						
20	HQAM	1	49	21.01	20.96	21.04						
20	HQAM	1	99	20.86	20.93	20.99			22.4	0		
20	HQAM	50	0	20.99	20.87	20.93						
20	HQAM	50	24	20.87	20.93	21.02						
20	HQAM	50	50	20.90	20.93	20.88			22.4	0		
20	HQAM	100	0	20.93	20.98	21.02						
20	HQAM	1	0	21.01	20.98	21.01						
20	HQAM	1	49	20.91	20.97	21.00			22.4	0		
20	HQAM	1	99	20.83	20.89	21.02						
20	HQAM	50	24	21.05	21.04	21.01						
20	HQAM	50	50	20.91	20.93	20.97			22.4	0		
20	HQAM	100	0	20.87	21.04	21.02						
20	SSBQAM	1	49	19.53	19.69	19.48					20	2.4
20	SSBQAM	1	99	19.43	19.68	19.51						
20	SSBQAM	50	0	19.50	19.63	19.71						
20	SSBQAM	50	24	19.18	19.28	19.45			20	2.4		
20	SSBQAM	50	50	19.26	19.23	19.28						
20	SSBQAM	100	0	19.09	19.18	19.25						
Channel												
Frequency (MHz)												
15	QPSK	1	0	20.72	20.91	20.81			22.4	0		
15	QPSK	1	37	20.83	20.74	20.79						
15	QPSK	1	74	20.69	20.69	20.81						
15	QPSK	36	0	20.56	20.74	20.69			22.4	0		
15	QPSK	36	20	20.89	20.69	20.72						
15	QPSK	36	36	20.59	20.69	20.74						
15	QPSK	75	0	20.65	20.73	20.69			22.4	0		
15	HQAM	1	37	20.74	20.71	20.78						
15	HQAM	1	37	20.69	20.65	20.77						
15	HQAM	36	0	20.67	20.61	20.72			22.4	0		
15	HQAM	36	0	20.62	20.68	20.76						
15	HQAM	36	20	20.78	20.71	20.72						
15	HQAM	75	0	20.74	20.71	20.78			22.4	0		
15	HQAM	75	0	20.69	20.69	20.75						
15	HQAM	1	0	20.78	20.79	20.81						
15	HQAM	1	37	20.74	20.71	20.78			22.4	0		
15	HQAM	1	74	20.53	20.66	20.74						
15	HQAM	36	20	20.87	20.70	20.72			22.4	0		
15	HQAM	36	36	20.54	20.50	20.74						
15	HQAM	75	0	20.59	20.95	20.89					20	2.4
15	HQAM	75	0	20.73	20.68	20.76						
15	SSBQAM	1	37	19.53	19.64	19.47						
15	SSBQAM	1	74	19.45	19.63	19.51			20	2.4		
15	SSBQAM	12	0	19.50	19.58	19.45						
15	SSBQAM	36	20	19.19	19.26	19.41						
15	SSBQAM	36	39	19.18	19.17	19.27			20	2.4		
15	SSBQAM	75	0	19.09	19.25	19.20						
Channel												
Frequency (MHz)												
10	QPSK	1	0	20.81	20.96	20.93			22.4	0		
10	QPSK	1	28	20.65	20.74	20.79						
10	QPSK	1	49	20.66	20.56	20.78						
10	QPSK	25	0	20.59	20.65	20.69			22.4	0		
10	QPSK	25	12	20.81	20.68	20.68						
10	QPSK	25	25	20.62	20.49	20.75						
10	QPSK	50	0	20.64	20.74	20.66			22.4	0		
10	HQAM	1	0	20.71	20.76	20.64						
10	HQAM	1	25	20.68	20.78	20.82						
10	HQAM	25	0	20.57	20.58	20.62			22.4	0		
10	HQAM	25	12	20.61	20.63	20.81						
10	HQAM	25	25	20.72	20.71	20.63						
10	HQAM	50	0	20.77	20.68	20.74			22.4	0		
10	HQAM	1	0	20.84	20.61	20.81						
10	HQAM	1	25	20.72	20.66	20.67						
10	HQAM	1	49	20.50	20.67	20.66			22.4	0		
10	HQAM	25	0	20.57	20.58	20.62						
10	HQAM	25	12	20.61	20.63	20.81						
10	HQAM	25	25	20.72	20.65	20.67			22.4	0		
10	HQAM	50	0	20.72	20.68	20.74						
10	HQAM	50	24	20.54	20.71	20.83						
10	HQAM	100	0	20.54	20.71	20.83			22.4	0		
10	HQAM	1	0	20.75	20.76	20.78						
10	HQAM	1	12	20.59	20.77	20.69						
10	HQAM	1	24	20.49	20.53	20.76			22.4	0		
10	HQAM	12	0	20.54	20.75	20.54						
10	HQAM	12	7	20.72	20.81	20.72						
10	HQAM	12	13	20.59	20.74	20.64			20	2.4		
10	HQAM	25	0	20.70	20.79	20.74						
10	SSBQAM	1	0	19.41	19.62	19.61						
10	SSBQAM	1	12	19.48	19.59	19.44			20	2.4		
10	SSBQAM	1	24	19.26	19.59	19.42						
10	SSBQAM	12	0	19.25	19.34	19.24						
10	SSBQAM	12	7	19.09	19.21	19.41			20	2.4		
10	SSBQAM	12	13	19.20	19.20	19.20						
10	SSBQAM	25	0	19.22	19.28	19.28						

Band 12 Ant0 Simultaneous										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up (dB)	MFR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.63	22.76	22.81			24	0
10	QPSK	1	25	22.65	22.66	22.84				
10	QPSK	1	49	22.61	22.62	22.81				
10	QPSK	25	0	22.64	22.75	22.82			24	0
10	QPSK	25	16	22.59	22.58	22.72				
10	QPSK	25	25	22.70	22.67	22.71				
10	QPSK	50	0	22.70	22.75	22.72			24	0
10	16QAM	1	25	22.56	22.57	22.52				
10	16QAM	1	49	22.50	22.47	22.59			24	0
10	16QAM	25	0	22.49	22.53	22.49				
10	16QAM	25	16	22.54	22.70	22.62				
10	16QAM	25	25	22.63	22.81	22.69			24	0
10	16QAM	50	0	22.52	22.64	22.58				
10	16QAM	50	0	22.51	22.58	22.51				
10	16QAM	1	25	22.50	22.48	22.57			24	0
10	16QAM	1	49	22.42	22.57	22.45				
10	16QAM	25	12	22.62	22.70	22.65				
10	16QAM	25	25	22.52	22.49	22.59			24	0
10	16QAM	25	25	22.59	22.48	22.59				
10	25QAM	1	0	19.06	19.25	19.31				
10	25QAM	1	25	19.10	19.27	19.32			20	4
10	25QAM	1	49	19.10	19.27	19.32				
10	25QAM	25	0	18.89	19.00	18.91				
10	25QAM	25	16	18.84	18.89	19.02			20	4
10	25QAM	25	25	18.77	18.86	18.98				
10	25QAM	50	0	18.93	18.99	18.88				
Channel				701.5	709.5	713.5	Turn-up (dB)	MFR (dB)		
5	QPSK	1	0	22.50	22.57	22.54			24	0
5	QPSK	1	12	22.62	22.53	22.60				
5	QPSK	1	24	22.63	22.56	22.61				
5	QPSK	12	0	22.63	22.62	22.48			24	0
5	QPSK	12	7	22.48	22.54	22.58				
5	QPSK	12	14	22.52	22.54	22.57				
5	16QAM	1	0	22.60	22.41	22.50			24	0
5	16QAM	1	0	22.49	22.41	22.50				
5	16QAM	12	0	22.42	22.38	22.48				
5	16QAM	1	24	22.38	22.43	22.48			24	0
5	16QAM	12	0	22.48	22.42	22.48				
5	16QAM	12	12	22.44	22.54	22.56				
5	16QAM	25	0	22.39	22.59	22.59			24	0
5	16QAM	25	0	22.43	22.54	22.57				
5	16QAM	1	12	22.41	22.46	22.54				
5	16QAM	24	0	22.35	22.55	22.50			24	0
5	16QAM	24	0	22.32	22.52	22.48				
5	16QAM	12	7	22.45	22.61	22.59				
5	16QAM	12	13	22.42	22.42	22.38			24	0
5	16QAM	12	14	22.42	22.58	22.49				
5	25QAM	1	0	19.00	19.17	19.27				
5	25QAM	1	12	19.07	19.25	19.32			20	4
5	25QAM	1	24	19.07	19.25	19.32				
5	25QAM	12	0	18.83	18.81	18.84				
5	25QAM	12	7	18.80	18.81	18.99			20	4
5	25QAM	12	14	18.81	18.74	18.85				
5	25QAM	25	0	19.30	19.32	18.63				
Channel				2300.5	2300.5	2300.5	Turn-up (dB)	MFR (dB)		
3	QPSK	1	0	22.47	22.59	22.49			24	0
3	QPSK	1	8	22.55	22.48	22.62				
3	QPSK	1	16	22.63	22.53	22.61				
3	QPSK	8	0	22.52	22.66	22.44			24	0
3	QPSK	8	4	22.47	22.48	22.71				
3	QPSK	8	12	22.51	22.63	22.63				
3	16QAM	1	0	22.68	22.61	22.69			24	0
3	16QAM	1	0	22.37	22.43	22.48				
3	16QAM	8	0	22.45	22.42	22.44				
3	16QAM	1	14	22.45	22.42	22.44			24	0
3	16QAM	8	0	22.39	22.49	22.41				
3	16QAM	8	4	22.43	22.43	22.43				
3	16QAM	1	14	22.43	22.53	22.52			24	0
3	16QAM	15	0	22.46	22.48	22.50				
3	16QAM	15	0	22.43	22.43	22.50				
3	16QAM	8	4	22.32	22.36	22.54			24	0
3	16QAM	1	14	22.36	22.41	22.38				
3	16QAM	8	4	22.37	22.70	22.57				
3	16QAM	8	7	22.38	22.41	22.48			24	0
3	16QAM	8	15	22.38	22.41	22.48				
3	25QAM	1	0	19.08	19.19	19.25				
3	25QAM	1	8	18.99	18.17	19.02			20	4
3	25QAM	1	16	19.00	18.20	19.00				
3	25QAM	8	0	18.79	18.05	18.85				
3	25QAM	8	4	18.76	18.81	18.99			20	4
3	25QAM	8	12	18.77	18.82	18.98				
3	25QAM	15	0	18.98	18.98	18.91				
Channel				2301.7	2300.5	2317.5	Turn-up (dB)	MFR (dB)		
1.4	QPSK	1	0	22.62	22.60	22.55			24	0
1.4	QPSK	1	3	22.56	22.65	22.61				
1.4	QPSK	1	6	22.53	22.50	22.63				
1.4	QPSK	3	0	22.68	22.67	22.63			24	0
1.4	QPSK	3	1	22.47	22.49	22.53				
1.4	QPSK	3	3	22.53	22.54	22.56				
1.4	QPSK	3	6	22.50	22.65	22.61			24	0
1.4	16QAM	1	0	22.49	22.54	22.50				
1.4	16QAM	1	3	22.45	22.45	22.43				
1.4	16QAM	3	0	22.40	22.38	22.47			24	0
1.4	16QAM	3	0	22.31	22.33	22.48				
1.4	16QAM	1	6	22.52	22.64	22.44				
1.4	16QAM	3	6	22.44	22.50	22.48			24	0
1.4	16QAM	6	0	22.36	22.56	22.63				
1.4	16QAM	6	0	22.41	22.54	22.49				
1.4	16QAM	3	6	22.38	22.38	22.37			24	0
1.4	16QAM	1	6	22.25	22.53	22.40				
1.4	16QAM	1	6	22.47	22.42	22.40				
1.4	16QAM	3	6	22.59	22.42	22.68			24	0
1.4	16QAM	3	6	22.48	22.42	22.53				
1.4	16QAM	3	6	22.43	22.60	22.41				
1.4	25QAM	1	0	19.16	19.28	19.28			20	4
1.4	25QAM	1	3	19.00	19.19	19.05				
1.4	25QAM	1	6	18.99	18.20	18.98				
1.4	25QAM	3	0	18.83	18.86	18.98			20	4
1.4	25QAM	3	1	18.82	18.86	18.84				
1.4	25QAM	3	3	18.76	18.75	18.77				

Band 2 Ant1 Standalone											
SR (MHz)	Modulation	RB Size	RB Offset	Power Level Ch./Freq.	Power Level Ch./Freq.	Power Level Ch./Freq.	Turn-on Time (ms)	APRS (dB)			
Channel											
Frequency (MHz)				1500	1500	1500					
20	QPSK	1	0	20.02	20.08	20.07	20.0	0			
20	QPSK	1	48	19.98	19.92	19.95					
20	QPSK	1	96	20.01	19.99	19.99					
20	QPSK	50	0	20.03	19.97	19.93					
20	QPSK	50	24	20.01	19.95	19.88	20.0	0			
20	QPSK	50	50	20.05	19.98	19.98					
20	16QAM	1	0	19.98	19.96	19.95					
20	16QAM	1	48	19.79	19.90	19.80					
20	16QAM	1	96	19.95	19.92	19.91	20.0	0			
20	16QAM	50	0	19.75	19.85	19.80					
20	16QAM	50	24	19.98	19.98	19.98					
20	16QAM	50	50	20.02	19.94	19.95					
20	64QAM	1	0	19.92	19.96	19.96	20.0	0			
20	64QAM	1	48	19.97	19.99	19.99					
20	64QAM	1	96	19.95	19.92	19.92					
20	64QAM	50	0	19.98	19.92	19.97					
20	64QAM	50	24	19.99	19.92	19.79	20.0	0			
20	64QAM	50	50	19.72	19.82	19.79					
20	64QAM	100	0	19.32	19.32	19.30					
20	256QAM	1	0	19.32	19.32	19.31					
20	256QAM	1	48	19.78	19.23	19.28	18.0	2			
20	256QAM	1	96	19.16	19.23	19.26					
20	256QAM	50	0	19.16	19.27	19.24					
20	256QAM	50	24	19.14	19.17	19.16					
20	256QAM	50	50	19.08	19.20	19.21	18.0	2			
20	256QAM	100	0	19.07	19.16	19.14					
Channel											
Frequency (MHz)				1800	1800	1800	Turn-on Time (ms)	APRS (dB)			
15	QPSK	1	0	19.08	19.01	19.08	20.0	0			
15	QPSK	1	37	19.83	19.78	19.87					
15	QPSK	1	74	19.84	19.77	19.87					
15	QPSK	36	0	19.82	19.84	19.83					
15	QPSK	36	20	19.82	19.84	19.86	20.0	0			
15	QPSK	36	50	19.82	19.74	19.80					
15	QPSK	75	0	19.83	19.83	19.86					
15	16QAM	1	0	19.78	19.79	19.86					
15	16QAM	1	37	19.74	19.79	19.79	20.0	0			
15	16QAM	1	74	19.74	19.79	19.79					
15	16QAM	36	0	19.73	19.87	19.73					
15	16QAM	36	20	19.80	19.86	19.86					
15	16QAM	36	50	19.85	19.89	19.87	20.0	0			
15	16QAM	75	0	19.81	19.87	19.77					
15	64QAM	1	0	19.73	19.86	19.84		20.0	0		
15	64QAM	1	37	19.80	19.79	19.79					
15	64QAM	1	74	19.80	19.80	19.78					
15	64QAM	36	0	19.85	19.75	19.76					
15	64QAM	36	20	19.74	19.80	19.80	20.0	0			
15	64QAM	36	50	19.23	19.88	19.23					
15	64QAM	75	0	19.88	19.88	19.88					
15	256QAM	1	0	19.86	19.87	19.81					
15	256QAM	1	37	19.15	19.24	19.25	18.0	2			
15	256QAM	1	74	19.16	19.24	19.22					
15	256QAM	36	0	19.16	19.24	19.25					
15	256QAM	36	20	19.14	19.11	19.11					
15	256QAM	36	50	19.08	19.20	19.14	18.0	2			
15	256QAM	75	0	19.08	19.20	19.14					
Channel											
Frequency (MHz)				1800	1800	1800	Turn-on Time (ms)	APRS (dB)			
10	QPSK	1	0	19.08	19.07	19.08	20.0	0			
10	QPSK	1	25	19.73	19.81	19.75					
10	QPSK	1	49	19.83	19.77	19.84					
10	QPSK	1	74	19.84	19.80	19.83		20.0	0		
10	QPSK	25	0	19.86	19.78	19.78					
10	QPSK	25	12	19.88	19.86	19.86					
10	QPSK	25	25	19.86	19.82	19.82	20.0	0			
10	QPSK	50	0	19.72	19.84	19.81					
10	16QAM	1	0	19.92	19.79	19.83					
10	16QAM	1	28	19.82	19.80	19.80		20.0	0		
10	16QAM	1	49	19.82	19.80	19.80					
10	16QAM	25	0	19.87	19.87	19.75					
10	16QAM	25	12	19.78	19.79	19.77	20.0	0			
10	16QAM	25	25	19.81	19.84	19.83					
10	16QAM	50	0	19.81	19.82	19.82					
10	64QAM	1	0	19.91	19.79	19.79	20.0	0			
10	64QAM	1	25	19.91	19.75	19.75					
10	64QAM	1	49	19.84	19.85	19.85					
10	64QAM	25	0	19.88	19.82	19.82		20.0	0		
10	64QAM	25	12	19.83	19.84	19.83					
10	64QAM	50	0	19.74	19.79	19.86					
10	64QAM	50	25	19.23	19.88	19.23	20.0	0			
10	64QAM	75	0	19.88	19.88	19.88					
10	256QAM	1	0	19.86	19.87	19.81					
10	256QAM	1	25	19.08	19.20	19.24		18.0	2		
10	256QAM	1	49	19.08	19.21	19.20					
10	256QAM	25	0	19.08	19.07	19.08					
10	256QAM	25	12	19.08	19.07	19.08	18.0	2			
10	256QAM	25	25	19.02	19.20	19.21					
10	256QAM	50	0	19.02	19.14	19.12					
Channel											
Frequency (MHz)				1800	1800	1800	Turn-on Time (ms)	APRS (dB)			
5	QPSK	1	0	19.87	20.00	19.84	20.0	0			
5	QPSK	1	12	19.86	19.99	19.86					
5	QPSK	1	24	19.91	19.79	19.85					
5	QPSK	1	48	19.83	19.83	19.85		20.0	0		
5	QPSK	12	0	20.02	19.77	19.78					
5	QPSK	12	7	19.89	19.77	19.78					
5	QPSK	12	13	19.94	19.86	19.82	20.0	0			
5	QPSK	25	0	19.86	19.85	19.84					
5	16QAM	1	0	19.84	19.85	19.87		20.0	0		
5	16QAM	1	12	19.74	19.79	19.77					
5	16QAM	1	24	19.77	19.86	19.77					
5	16QAM	12	0	19.82	19.84	19.77		20.0	0		
5	16QAM	12	7	19.78	19.83	19.80					
5	16QAM	12	13	19.87	19.86	19.86					
5	16QAM	25	0	20.01	20.03	19.83	20.0	0			
5	64QAM	1	0	19.78	19.81	19.77					
5	64QAM	1	12	19.86	19.79	19.86					
5	64QAM	1	24	19.79	19.79	19.79		20.0	0		
5	64QAM	12	0	19.87	19.85	19.87					
5	64QAM	12	7	19.80	19.87	19.88					
5	64QAM	12	13	19.85	19.76	19.75		20.0	0		
5	64QAM	25	0	19.71	19.87	19.81					
5	256QAM	1	0	19.17	19.20	19.20					
5	256QAM	1	12	19.16	19.21	19.20	18.0	2			
5	256QAM	1	24	19.16	19.24	19.24					
5	256QAM	12	0	19.08	19.07	19.08					
5	256QAM	12	7	19.08	19.07	19.08		18.0	2		
5	256QAM	12	13	19.02	19.15	19.16					
5	256QAM	25	0	19.02	19.10	19.10					
Channel											
Frequency (MHz)				1800	1800	1800	Turn-on Time (ms)	APRS (dB)			
3	QPSK	1	0	19.86	19.96	19.96	20.0	0			
3	QPSK	1	0	19.83	19.83	19.85					
3	QPSK	1	14	19.87	19.84	19.88					
3	QPSK	1	28	19.81	19.81	19.81		20.0	0		
3	QPSK	6	0	19.82	19.83	19.84					
3	QPSK	6	7	19.88	19.82	19.85					
3	QPSK	15	0	19.81	19.84	19.84	20.0	0			
3	QPSK	15	7	19.73	19.89	19.81					
3	16QAM	1	0	19.77	19.86	19.77		20.0	0		
3	16QAM	1	14	19.83	19.84	19.79					
3	16QAM	6	0	19.87	19.87	19.87					
3	16QAM	6	4	19.73	19.78	19.82		20.0	0		
3	16QAM	8	7	19.87	19.84	19.77					
3	16QAM	15	0	19.79	19.79	19.79					
3	64QAM	1	0	19.78	19.80	19.81	20.0	0			
3	64QAM	1	14	19.71	19.71	19.83					
3	64QAM	1	28	19.76	19.76	19.76					
3	64QAM	6	4	19.76	19.87	19.83		20.0	0		
3	64QAM	7	7	19.82	19.81	19.84					
3	64QAM	15	0	19.77	19.77	19.77					
3	256QAM	1	0	19.20	19.27	19.22	18.0	2			
3	256QAM	1	8	19.14	19.24	19.26					
3	256QAM	1	15	19.16	19.26	19.24					
3	256QAM	8	0	19.11	19.16	19.17		18.0	2		
3	256QAM	8	4	19.03	19.16	19.13					
3	256QAM	6	7	19.06	19.10	19.20					
Channel											
Frequency (MHz)				1800	1800	1800	Turn-on Time (ms)	APRS (dB)			
1.4	QPSK	1	0	19.12	19.10	19.10	20.0	0			
1.4	QPSK	1	3	19.12	19.82	19.74					
1.4	QPSK	1	5	19.96	19.78	19.84					
1.4	QPSK	3	0	19.93	19.93	19.93		20.0	0		
1.4	QPSK	3	3	19.91	19.91	19.91					
1.4	QPSK	3	3	19.91	20.01	19.85					
1.4	16QAM	1	0	19.82	19.76	19.84	20.0	0			
1.4	16QAM	1	3	19.75	19.75	19.75					
1.4	16QAM	1	5	19.78	19.88	19.78					
1.4	16QAM	3	0	19.78	19.87	19.87		20.0	0		
1.4	16QAM	3	3	19.78	19.87	19.87					
1.4	16QAM	3	3	19.88	19.88	19.88					
1.4	64QAM	1	0	19.74	19.87	19.79	20.0	0			
1.4	64QAM	1	3	19.76	19.76	19.76					
1.4	64QAM	1	5	19.76	19.88	19.78					
1.4	64QAM	3	0	19.78	19.87	19.87		20.0	0		
1.4	64QAM	3	3	19.78	19.87	19.87					

Band 7 Ant1 Standalone									
RF B/W	Modulation	RF Size	RF Offset	Power (W)	Power (dBm)	Power (dBm)	Time-to- Acq. (s)	APR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	18.97	20.12	20.02			
20	QPSK	1	40	18.94	20.12	20.02	21.8	0	
20	QPSK	1	80	18.79	20.02	19.95			
20	QPSK	50	0	18.98	20.07	20.04			
20	QPSK	50	20	20.01	19.99	20.00	21.8	0	
20	QPSK	50	40	19.99	20.04	20.00			
20	QPSK	100	0	18.78	20.07	19.98			
20	16QAM	1	0	20.01	20.16	20.01	21.8	0	
20	16QAM	1	40	19.99	20.16	20.01			
20	16QAM	1	80	19.82	20.12	20.12			
20	16QAM	50	0	20.05	20.13	19.99			
20	16QAM	50	20	19.98	20.14	20.06	21.8	0	
20	16QAM	50	40	19.99	20.09	20.00			
20	16QAM	100	0	20.06	19.82	19.87			
20	8QAM	1	0	19.80	20.13	20.09	21.8	0	
20	8QAM	1	40	19.81	19.95	20.00			
20	8QAM	1	80	19.75	19.86	19.83			
20	8QAM	50	0	20.12	19.77	20.01	21.8	0	
20	8QAM	50	20	19.97	19.94	20.01			
20	8QAM	50	40	19.94	19.87	19.81	21.8	0	
20	8QAM	100	0	19.83	20.14	19.85			
20	8QAM	1	0	19.84	19.87	19.81			
20	8QAM	1	40	19.76	19.80	19.83	20	1.6	
20	25QAM	1	80	19.77	19.84	19.80			
20	25QAM	50	0	19.85	19.87	19.82			
20	25QAM	50	20	19.81	19.80	19.78	20	1.6	
20	25QAM	50	40	19.75	19.76	19.85			
20	25QAM	100	0	19.78	19.85	19.84			
Channel									
Frequency (MHz)									
15	QPSK	1	0	19.87	20.17	19.87			
15	QPSK	1	40	19.74	20.08	19.85	21.8	0	
15	QPSK	1	70	19.87	19.89	19.83			
15	QPSK	30	0	19.87	19.83	19.84			
15	QPSK	30	20	20.02	19.82	19.86	21.8	0	
15	QPSK	30	40	19.76	19.88	19.82			
15	QPSK	70	0	19.78	20.06	19.84			
15	16QAM	1	0	19.86	20.00	19.82	21.8	0	
15	16QAM	1	40	19.80	20.00	20.08			
15	16QAM	1	70	19.86	19.83	19.79			
15	16QAM	30	0	20.00	20.04	19.87	21.8	0	
15	16QAM	30	20	19.87	19.87	19.81			
15	16QAM	30	40	19.80	19.89	19.89			
15	16QAM	70	0	19.86	19.77	19.86			
15	8QAM	1	0	19.86	19.85	19.80	21.8	0	
15	8QAM	1	40	19.80	19.85	19.81			
15	8QAM	1	70	19.87	19.78	19.76			
15	8QAM	30	0	19.85	19.79	19.78	20	1.6	
15	25QAM	1	70	19.75	19.88	19.81			
15	25QAM	30	0	19.87	19.81	19.75			
15	25QAM	30	20	19.71	19.81	19.75	20	1.6	
15	25QAM	30	40	19.84	19.82	19.77			
15	25QAM	70	0	19.77	19.81	19.81			
Channel									
Frequency (MHz)									
5	QPSK	1	0	19.86	20.17	19.85			
5	QPSK	1	40	19.83	20.08	19.88	21.8	0	
5	QPSK	1	80	19.89	19.83	19.81			
5	QPSK	20	0	19.82	19.87	19.85			
5	QPSK	20	10	19.87	19.86	19.82	21.8	0	
5	QPSK	20	20	19.86	19.80	19.83			
5	QPSK	50	0	19.83	19.99	19.80			
5	16QAM	1	0	19.80	20.13	19.86	21.8	0	
5	16QAM	1	40	19.81	20.08	19.82			
5	16QAM	1	80	19.81	20.08	19.82			
5	16QAM	20	0	19.80	20.12	19.84			
5	16QAM	20	10	19.79	20.00	19.79	21.8	0	
5	16QAM	20	20	19.89	19.83	20.04			
5	16QAM	50	0	19.82	19.84	19.83			
5	16QAM	1	0	19.81	19.85	19.86	21.8	0	
5	16QAM	1	40	19.79	19.79	19.78			
5	8QAM	20	0	19.86	19.88	19.86	21.8	0	
5	8QAM	20	10	19.85	19.86	19.86			
5	8QAM	20	20	19.89	19.83	19.83			
5	8QAM	50	0	19.81	19.82	19.82	21.8	0	
5	8QAM	50	0	19.86	20.06	19.79			
5	25QAM	1	0	19.80	19.80	19.86			
5	25QAM	1	20	19.75	19.73	19.75	20	1.6	
5	25QAM	1	40	19.71	19.84	19.80			
5	25QAM	20	0	19.82	19.84	19.72			
5	25QAM	20	10	19.76	19.89	19.77	20	1.6	
5	25QAM	20	20	19.88	19.82	19.79			
5	25QAM	50	0	19.77	19.78	19.77			
Channel									
Frequency (MHz)									
5	QPSK	1	0	19.86	20.15	19.84			
5	QPSK	1	40	19.83	20.06	19.88	21.8	0	
5	QPSK	1	20	19.85	19.84	19.89			
5	QPSK	10	0	19.89	20.06	20.01			
5	QPSK	10	7	19.88	19.87	19.84	21.8	0	
5	QPSK	12	10	19.89	20.03	19.87			
5	16QAM	1	0	19.78	19.88	19.73			
5	16QAM	1	0	19.82	20.11	19.86	21.8	0	
5	16QAM	1	20	19.79	20.00	19.79			
5	16QAM	1	24	19.82	20.16	20.03			
5	16QAM	12	0	19.86	19.84	19.82	21.8	0	
5	16QAM	12	7	19.85	19.86	19.76			
5	16QAM	12	10	19.75	19.86	19.83			
5	16QAM	20	0	19.82	19.72	19.89			
5	16QAM	1	0	19.84	20.03	19.89	21.8	0	
5	8QAM	1	12	19.83	19.87	19.81			
5	8QAM	1	24	19.72	19.82	19.84			
5	8QAM	12	0	19.82	19.82	19.80	21.8	0	
5	8QAM	12	7	19.82	19.84	19.80			
5	8QAM	12	10	19.84	19.83	19.77			
5	8QAM	20	0	19.79	20.01	19.86			
5	25QAM	1	0	19.78	19.80	19.84			
5	25QAM	1	12	19.87	19.72	19.79	20	1.6	
5	25QAM	1	24	19.87	19.89	19.84			
5	25QAM	10	0	19.76	19.81	19.77			
5	25QAM	12	7	19.82	19.80	19.70	20	1.6	
5	25QAM	12	10	19.80	19.82	19.77			
5	25QAM	20	0	19.72	19.77	19.75			

Band 12 Ant1 Standalone									
RF B/W	Modulation	RF Size	RF Offset	Power Level (W)	Power Margin (dB)	Power Margin (dB)	Time-to- Acq. (s)	APR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	24.20	24.30	24.34			
10	QPSK	1	40	24.21	24.30	24.30	25	0	
10	QPSK	1	80	24.20	24.30	24.30			
10	QPSK	20	0	23.37	23.31	23.33			
10	QPSK	20	12	23.37	23.31	23.35	24	1	
10	QPSK	20	20	23.38	23.37	23.37			
10	QPSK	50	0	23.30	23.47	23.35			
10	16QAM	1	0	23.38	23.47	23.35			
10	16QAM	1	20	23.41	23.39	23.37	24	1	
10	16QAM	1	40	23.40	23.21	23.28			
10	16QAM	20	0	22.26	22.34	22.27			
10	16QAM	20	12	22.37	22.31	22.38			
10	16QAM	20	20	22.25	22.41	22.35	23	2	
10	16QAM	50	0	22.40	22.30	22.41			
10	8QAM	1	0	22.33	22.43	22.30			
10	8QAM	1	20	22.41	22.30	22.35	23	2	
10	8QAM	1	40	22.40	22.20	22.30			
10	8QAM	20	0	21.33	21.27	21.38			
10	8QAM	20	12	21.40	21.31	21.37	23	2	
10	8QAM	20	20	21.38	21.38	21.31			
10	8QAM	50	0	21.30	21.31	21.31			
10	25QAM	1	0	19.83	19.80	19.75	20	5	
10	25QAM	1	20	19.49	19.85	19.70			
10	25QAM	1	40	19.50	19.48	19.38			
10	25QAM	20	0	19.27	19.32	19.36			
10	25QAM	20	12	19.30	19.28	19.27	20	5	
10	25QAM	20	20	19.30	19.33	19.33			
10	25QAM	50	0	19.33	19.28	19.37			
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.20	24.30	24.34			
5	QPSK	1	40	24.21	24.30	24.30	25	0	
5	QPSK	1	24	24.08	24.18	24.20			
5	QPSK	10	0	23.38	23.30	23.34			
5	QPSK	10	7	23.36	23.36	23.47	24	1	
5	QPSK	20	0	23.31	23.31	23.35			
5	16QAM	1	0	23.38	23.39	23.35			
5	16QAM	1	20	23.41	23.47	23.41	24	1	
5	16QAM	1	24	23.41	23.47	23.41			
5	16QAM	10	0	22.34	22.34	22.34			
5	16QAM	10	7	22.36	22.36	22.36	23	2	
5	16QAM	20	0	22.27	22.28	22.43			
5	16QAM	20	12	22.31	22.31	22.40			
5	16QAM	20	20	22.21	22.37	22.31	20	5	
5	16QAM	50	0	22.34	22.38	22.31			
5	8QAM	1	0	22.34	22.47	22.31			
5	8QAM	1	12	22.37	22.47	22.45			
5	8QAM	1	24	22.36	22.47	22.45			
5	8QAM	10	0	21.26	21.30	21.38			
5	8QAM	10	7	21.26	21.31	21.38	23	2	
5	8QAM	20	0	21.27	21.28	21.43			
5	8QAM	20	12	21.30	21.23	21.33			
5	8QAM	20	20	21.25	21.38	21.32	20	5	
5	25QAM	1	0	19.44	19.36	19.35			
5	25QAM	1	12	19.47	19.48	19.48			
5	25QAM	1	24	19.46	19.48	19.38			
5	25QAM	10	0	19.30	19.25	19.32			
5	25QAM	10	7	19.41	19.41	19.41	24	1	
5	25QAM	20	0	19.40	19.33	19.39			
5	25QAM	20	12	19.43	19.33	19.37			
5	25QAM	20	20	19.32	19.37	19.31			
Channel									
Frequency (MHz)									
3	QPSK	1	0	24.20	24.30	24.34			
3	QPSK	1	6	24.30	24.38	24.30	24	0	
3	QPSK	1	14	24.04	24.12	24.19			
3	QPSK	6	0	23.38	23.30	23.34			
3	QPSK	6	4	23.35	23.35	23.33	24	1	
3	QPSK	6	7	23.31	23.37	23.47			
3	QPSK	10	0	23.41	23.52	23.37			
3	QPSK	10	4	23.39	23.47	23.40	24	1	
3	QPSK	1	6	23.45	23.51	23.41			
3	QPSK	1	14	23.30	23.24	23.34	24	1	
3	QPSK	6	0	23.37	23.37	23.37	23	2	
3	QPSK	6	4	22.46	22.41	22.51			
3	QPSK	6	7	22.37	22.39	22.54			
3	QPSK	10	0	22.44	22.34	22.44			
3	QPSK	1	6	22.34	22.35	22.42			
3	8QAM	1	6	22.71	22.59	22.68	23	2	
3	8QAM	1	14	22.40	22.48	22.58			
3	8QAM	6	0	21.45	21.40	21.49			
3	8QAM	6	4	21.44	21.52	21.53	23	2	
3	8QAM	6	7	21.24	21.22	21.31			
3	8QAM	10	0	21.19	21.19	21.28			
3	16QAM	1	6	19.40	19.35	19.45			
3	16QAM	1	6	19.36	19.46	19.35			
3	16QAM	6	0	19.37	19.37	19.37	20	5	
3	16QAM	6	4	19.30	19.34	19.26			
3	16QAM	6	7	19.41	19.42	19.34			
3	25QAM	1	6	19.26	19.28	19.27			
3	25QAM	6	0	19.26	19.30	19.26			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	24.20	24.30	24.34			
1.4	QPSK	1	3	24.20	24.24	24.24			
1.4	QPSK	1	6	24.02	24.15	23.90	25	0	
1.4	QPSK	3	0	24.16	24.16	24.16			
1.4	QPSK	3	3	24.15	24.27	24.13			
1.4	QPSK	3	6	23.88	24.01	24.01	24	1	
1.4	QPSK	6	0	23.18	23.13	23.29	24	1	
1.4	QPSK	6	3	23.22	23.24	23.29			
1.4	16QAM	1	3	23.05	23.20	23.17			
1.4	16QAM	1	6	23.24	23.40	23.25	24	1	
1.4	16QAM	3	0	23.14	23.34	23.24			
1.4	16QAM	3	3	23.29	23.31	23.31			
1.4	16QAM	6	0	23.18	23.36	23.29	24	1	
1.4	16QAM	6	3	23.15	23.15	23.25			
1.4	16QAM	1	0	22.35	22.33	22.28	20	5	
1.4	8QAM	1	3	22.31	22.20	22.25			
1.4	8QAM	1	6	22.50	22.28	22.18	23	2	
1.4	8QAM	3	0	22.07	22.04	22.08			
1.4	8QAM	3	3	22.38	22.48	22.45			
1.4	8QAM	6	0	22.53	22.10	22.28			
1.4	25QAM	1	0	19.37	19.16	19.15			
1.4	25QAM	1	3	19.25	19.28	19.24			
1.4	25QAM	3	0	19.33	19.33	19.28			
1.4	25QAM	3	3	19.20	19.26	19.24	20	5	
1.4	25QAM	6	0	19.37	19.28	19.39			
1.4	25QAM	3	3	19.27	19.27	19.14	20	5	

Band 2 Ant1 Simultaneous										
SR (MHz)	Modulation	RB Size	RB Offset	Power Level Ch. 1 (dBm)	Power Level Ch. 2 (dBm)	Power Level Ch. 3 (dBm)	Turn-on Time (ms)	SRP (dB)	SRP (dB)	SRP (dB)
Channel										
Frequency (MHz)										
20	QPSK	1	0	18.00	18.00	17.98	10	0	10	0
20	QPSK	1	49	18.03	17.92	18.00	10	0		
20	QPSK	1	99	17.93	17.94	17.94	10	0	10	0
20	QPSK	50	0	18.00	18.00	17.98	10	0		
20	QPSK	50	24	18.00	17.92	17.94	10	0	10	0
20	QPSK	50	50	17.89	17.87	18.01	10	0		
20	QPSK	100	0	17.99	17.99	17.99	10	0	10	0
20	16QAM	1	0	17.89	17.93	17.93	10	0		
20	16QAM	1	49	17.97	18.04	17.91	10	0	10	0
20	16QAM	1	99	17.92	18.01	17.99	10	0		
20	16QAM	50	0	17.82	17.81	17.87	10	0	10	0
20	16QAM	50	24	17.86	17.86	17.86	10	0		
20	16QAM	50	50	18.00	17.98	18.00	10	0	10	0
20	16QAM	100	0	17.86	17.86	17.77	10	0		
20	256QAM	1	0	18.00	18.00	17.97	10	0	10	0
20	256QAM	1	49	18.03	18.02	17.97	10	0		
20	256QAM	1	99	17.93	17.94	17.94	10	0	10	0
20	256QAM	50	0	18.00	18.00	17.98	10	0		
20	256QAM	50	24	17.98	17.87	17.77	10	0	10	0
20	256QAM	50	50	17.94	17.92	17.94	10	0		
20	256QAM	100	0	17.81	17.83	17.86	10	0	10	0
Channel										
Frequency (MHz)										
15	QPSK	1	0	17.88	17.88	17.88	10	0	10	0
15	QPSK	1	24	17.97	17.84	17.83	10	0		
15	QPSK	1	74	17.88	17.88	17.88	10	0	10	0
15	QPSK	36	0	17.86	18.02	17.94	10	0		
15	QPSK	36	20	17.88	17.82	17.84	10	0	10	0
15	QPSK	36	50	17.74	17.78	17.82	10	0		
15	QPSK	75	0	17.87	17.87	17.85	10	0	10	0
15	16QAM	1	0	17.72	17.86	17.82	10	0		
15	16QAM	1	24	17.86	17.86	17.86	10	0	10	0
15	16QAM	1	74	17.77	17.83	17.81	10	0		
15	16QAM	36	0	17.80	17.83	17.80	10	0	10	0
15	16QAM	36	20	17.76	17.76	17.86	10	0		
15	16QAM	36	50	17.95	17.82	17.82	10	0	10	0
15	16QAM	75	0	17.74	17.87	17.85	10	0		
15	16QAM	1	0	17.86	17.81	17.85	10	0	10	0
15	16QAM	1	24	17.80	17.75	17.82	10	0		
15	16QAM	1	74	17.77	17.81	17.81	10	0	10	0
15	16QAM	36	0	17.86	17.86	17.85	10	0		
15	16QAM	36	20	17.86	17.86	17.85	10	0	10	0
15	16QAM	36	50	17.87	17.72	17.85	10	0		
15	16QAM	75	0	17.78	17.87	17.82	10	0	10	0
15	256QAM	1	0	18.00	17.86	17.86	10	0		
15	256QAM	1	24	17.98	17.85	17.88	10	0	10	0
15	256QAM	1	74	17.81	17.77	17.78	10	0		
15	256QAM	36	0	17.88	17.71	17.79	10	0	10	0
15	256QAM	36	20	17.88	17.80	17.82	10	0		
15	256QAM	36	50	17.85	17.88	17.85	10	0	10	0
15	256QAM	75	0	17.85	17.88	17.85	10	0		
15	256QAM	75	0	17.78	17.82	17.72	10	0	10	0
Channel										
Frequency (MHz)										
10	QPSK	1	0	17.88	17.88	17.88	10	0	10	0
10	QPSK	1	25	17.86	17.87	17.86	10	0		
10	QPSK	1	49	17.84	17.84	17.84	10	0	10	0
10	QPSK	1	99	17.74	17.86	17.82	10	0		
10	QPSK	25	0	18.01	17.94	17.86	10	0	10	0
10	QPSK	25	12	17.92	17.82	17.88	10	0		
10	QPSK	25	25	17.88	17.88	17.88	10	0	10	0
10	QPSK	50	0	17.76	17.76	17.77	10	0		
10	16QAM	1	0	17.78	17.82	17.88	10	0	10	0
10	16QAM	1	25	17.85	17.88	17.75	10	0		
10	16QAM	1	49	17.82	17.84	17.84	10	0	10	0
10	16QAM	25	0	17.88	17.88	17.82	10	0		
10	16QAM	25	12	17.88	17.88	17.88	10	0	10	0
10	16QAM	25	25	17.86	17.82	17.87	10	0		
10	16QAM	50	0	17.72	17.78	17.82	10	0	10	0
10	16QAM	1	0	17.81	17.81	17.81	10	0		
10	16QAM	1	25	17.87	17.75	17.85	10	0	10	0
10	16QAM	1	49	17.77	17.86	18.00	10	0		
10	16QAM	25	0	17.88	17.81	17.82	10	0	10	0
10	16QAM	25	12	17.71	17.81	17.82	10	0		
10	16QAM	25	25	17.76	17.86	17.86	10	0	10	0
10	16QAM	50	0	17.88	17.88	17.75	10	0		
10	16QAM	1	0	17.82	17.82	17.82	10	0	10	0
10	256QAM	1	0	18.00	17.88	17.88	10	0		
10	256QAM	1	25	17.95	17.88	17.75	10	0	10	0
10	256QAM	1	49	17.88	17.82	17.75	10	0		
10	256QAM	25	0	17.88	17.74	17.88	10	0	10	0
10	256QAM	25	12	17.88	17.74	17.87	10	0		
10	256QAM	25	25	17.82	17.74	17.87	10	0	10	0
10	256QAM	50	0	17.72	17.72	17.76	10	0		
Channel										
Frequency (MHz)										
5	QPSK	1	0	17.87	17.87	17.88	10	0	10	0
5	QPSK	1	12	17.86	17.86	17.86	10	0		
5	QPSK	1	24	17.87	17.80	17.82	10	0	10	0
5	QPSK	12	0	18.00	18.00	17.88	10	0		
5	QPSK	12	7	17.87	17.76	17.71	10	0	10	0
5	QPSK	12	13	17.75	17.82	17.86	10	0		
5	QPSK	25	0	17.84	17.78	17.88	10	0	10	0
5	16QAM	1	0	17.82	17.81	17.87	10	0		
5	16QAM	1	12	17.83	17.88	17.88	10	0	10	0
5	16QAM	1	24	17.77	17.87	17.84	10	0		
5	16QAM	12	0	17.80	17.79	17.82	10	0	10	0
5	16QAM	12	7	17.80	17.73	17.82	10	0		
5	16QAM	12	13	17.82	17.86	17.87	10	0	10	0
5	16QAM	25	0	17.81	17.75	17.82	10	0		
5	256QAM	1	0	18.00	18.00	17.86	10	0	10	0
5	256QAM	1	12	17.84	17.82	17.87	10	0		
5	256QAM	1	24	17.77	17.87	17.84	10	0	10	0
5	256QAM	12	0	17.80	17.79	17.82	10	0		
5	256QAM	12	7	17.80	17.73	17.82	10	0	10	0
5	256QAM	12	13	17.82	17.86	17.87	10	0		
5	256QAM	25	0	17.81	17.75	17.82	10	0	10	0
5	256QAM	1	0	18.00	18.00	17.86	10	0		
5	256QAM	1	12	17.84	17.82	17.87	10	0	10	0
5	256QAM	1	24	17.77	17.87	17.84	10	0		
5	256QAM	12	0	17.80	17.79	17.82	10	0	10	0
5	256QAM	12	7	17.80	17.73	17.82	10	0		
5	256QAM	12	13	17.82	17.86	17.87	10	0	10	0
5	256QAM	25	0	17.81	17.75	17.82	10	0		
5	256QAM	1	0	18.00	18.00	17.86	10	0	10	0
5	256QAM	1	12	17.84	17.82	17.87	10	0		
5	256QAM	1	24	17.77	17.87	17.84	10	0	10	0
5	256QAM	12	0	17.80	17.79	17.82	10	0		
5	256QAM	12	7	17.80	17.73	17.82	10	0	10	0
5	256QAM	12	13	17.82	17.86	17.87	10	0		
5	256QAM	25	0	17.81	17.75	17.82	10	0	10	0
5	256QAM	1	0	18.00	18.00	17.86	10	0		
5	256QAM	1	12	17.84	17.82	17.87	10	0	10	0
5	256QAM	1	24	17.77	17.87	17.84	10	0		
5	256QAM	12	0	17.80	17.79	17.82	10	0	10	0
5	256QAM	12	7	17.80	17.73	17.82	10	0		
5	256QAM	12	13	17.82	17.86	17.87	10	0	10	0
5	256QAM	25	0	17.81	17.75	17.82	10	0		
5	256QAM	1	0	18.00	18.00	17.86	10	0	10	0
5	256QAM	1	12	17.84	17.82	17.87	10	0		
5	256QAM	1	24	17.77	17.87	17.84	10	0	10	0
5	256QAM	12	0	17.80	17.79	17.82	10	0		
5	256QAM	12	7	17.80	17.73	17.82	10	0	10	0
5	256QAM	12	13	17.82	17.86	17.87	10	0		
5	256QAM	25	0	17.81	17.75	17.82	10	0	10	0
5	256QAM	1	0	18.00	18.00	17.86	10	0		
5	256QAM	1	12	17.84	17.82	17.87	10	0	10	0
5	256QAM	1	24	17.77	17.87	17.84	10	0		
5	256QAM	12	0	17.80	17.79	17.82	10	0	10	0
5	256QAM	12	7	17.80	17.73	17.82	10	0		
5	256QAM	12	13	17.82	17.86	17.87	10	0	10	0
5	256QAM	25	0	17.81	17.75	17.82	10	0		
5	256QAM	1	0	18.00	18.00	17.86	10	0	10	0
5	256QAM	1	12	17.84	17.82	17.87	10	0		
5	256QAM	1	24	17.77	17.87	17.84	10	0	10	0
5	256QAM	12	0	17.80	17.79	17.82	10	0		
5	256QAM	12	7	17.80	17.73	17.82	10	0	10	0
5	256QAM	12	13</							

Band 7 Ant1 Simultaneous												
RF B/W	Modulation	RF Size	RF Offset	Power (mW)	Power (dBm)	Power (dBm)	Time-to- Acq. (ms)	MFR (MHz)				
Channel												
Frequency (MHz)				2310	2330	2350						
20	QPSK	1	0	18.34	18.33	18.29	20	0				
20	QPSK	1	40	18.29	18.33	18.37						
20	QPSK	1	80	18.26	18.29	18.45						
20	QPSK	50	0	18.32	18.44	18.42	20	0				
20	QPSK	50	20	18.34	18.27	18.41						
20	QPSK	50	40	18.35	18.26	18.20						
20	QPSK	100	0	18.16	18.36	18.36	20	0				
20	16QAM	1	0	18.34	18.29	18.34						
20	16QAM	1	40	18.21	18.31	18.16						
20	16QAM	1	80	18.21	18.29	18.28	20	0				
20	16QAM	50	0	18.29	18.37	18.29						
20	16QAM	50	20	18.31	18.36	18.45						
20	16QAM	50	40	18.32	18.36	18.36	20	0				
20	16QAM	100	0	18.21	18.36	18.36						
20	16QAM	1	0	18.26	18.25	18.34						
20	16QAM	1	40	18.25	18.25	18.37	20	0				
20	16QAM	1	80	18.15	18.26	18.32						
20	16QAM	50	0	18.29	18.37	18.35						
20	16QAM	50	20	18.18	18.37	18.37	20	0				
20	16QAM	50	40	18.25	18.27	18.37						
20	16QAM	50	50	18.25	18.27	18.22						
20	16QAM	100	0	18.22	18.22	18.22	20	0				
20	16QAM	1	0	18.21	18.21	18.27						
20	16QAM	1	40	18.17	18.26	18.34						
20	256QAM	1	80	18.21	18.34	18.34	20	0				
20	256QAM	50	0	18.16	18.32	18.34						
20	256QAM	50	20	18.28	18.40	18.38						
Channel												
Frequency (MHz)				2357.5	2375	2392.5	Time-to- Acq. (ms)	MFR (MHz)				
15	QPSK	1	0	18.48	18.49	18.34	20	0				
15	QPSK	1	40	18.47	18.47	18.45						
15	QPSK	1	74	18.43	18.39	18.44						
15	QPSK	36	0	18.39	18.34	18.44	20	0				
15	QPSK	36	20	18.33	18.49	18.49						
15	QPSK	36	40	18.46	18.44	18.28						
15	QPSK	72	0	18.18	18.36	18.46	20	0				
15	16QAM	1	0	18.43	18.39	18.46						
15	16QAM	1	40	18.40	18.36	18.35						
15	16QAM	1	74	18.36	18.42	18.48	20	0				
15	16QAM	36	0	18.29	18.49	18.43						
15	16QAM	36	20	18.38	18.47	18.35						
15	16QAM	36	40	18.27	18.47	18.35	20	0				
15	16QAM	72	0	18.29	18.31	18.36						
15	16QAM	1	0	18.41	18.44	18.35						
15	16QAM	1	40	18.29	18.42	18.42	20	0				
15	16QAM	1	74	18.25	18.46	18.35						
15	16QAM	36	0	18.43	18.39	18.46						
15	16QAM	36	20	18.28	18.36	18.35	20	0				
15	16QAM	36	40	18.37	18.41	18.42						
15	16QAM	72	0	18.15	18.31	18.36						
15	256QAM	1	0	18.41	18.41	18.35	20	0				
15	256QAM	1	40	18.28	18.39	18.31						
15	256QAM	1	74	18.40	18.44	18.44						
15	256QAM	36	0	18.47	18.37	18.42	20	0				
15	256QAM	36	20	18.42	18.24	18.49						
15	256QAM	36	40	18.31	18.39	18.27						
15	256QAM	72	0	18.34	18.44	18.24	20	0				
Channel												
Frequency (MHz)				2395	2415	2435	Time-to- Acq. (ms)	MFR (MHz)				
10	QPSK	1	0	18.42	18.44	18.41	20	0				
10	QPSK	1	20	18.36	18.45	18.46						
10	QPSK	1	40	18.36	18.44	18.35						
10	QPSK	25	0	18.42	18.44	18.49	20	0				
10	QPSK	25	12	18.38	18.33	18.44						
10	QPSK	25	25	18.43	18.42	18.26						
10	QPSK	50	0	18.24	18.44	18.32	20	0				
10	16QAM	1	0	18.43	18.39	18.44						
10	16QAM	1	20	18.40	18.45	18.14						
10	16QAM	40	0	18.45	18.31	18.48	20	0				
10	16QAM	25	0	18.27	18.45	18.31						
10	16QAM	25	20	18.27	18.42	18.35						
10	16QAM	25	40	18.25	18.27	18.45	20	0				
10	16QAM	50	0	18.21	18.25	18.41						
10	16QAM	50	20	18.27	18.35	18.47						
10	16QAM	1	40	18.42	18.44	18.46	20	0				
10	16QAM	25	0	18.47	18.43	18.35						
10	16QAM	25	12	18.25	18.32	18.41						
10	16QAM	25	25	18.25	18.32	18.41	20	0				
10	16QAM	50	0	18.25	18.32	18.41						
10	16QAM	50	20	18.25	18.32	18.41						
10	256QAM	1	0	18.40	18.36	18.46	20	0				
10	256QAM	1	20	18.35	18.36	18.31						
10	256QAM	1	40	18.25	18.44	18.45						
10	256QAM	25	0	18.25	18.32	18.44	20	0				
10	256QAM	25	20	18.25	18.32	18.44						
10	256QAM	25	40	18.25	18.32	18.44						
10	256QAM	50	0	18.25	18.32	18.44	20	0				
10	256QAM	50	20	18.25	18.32	18.44						
10	256QAM	50	40	18.25	18.32	18.44						
10	256QAM	1	0	18.40	18.36	18.46	20	0				
10	256QAM	1	20	18.35	18.36	18.31						
10	256QAM	1	40	18.25	18.44	18.45						
10	256QAM	25	0	18.25	18.32	18.44	20	0				
10	256QAM	25	20	18.25	18.32	18.44						

Band 48 Ant2 Standalone											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				55340	55830	56150	56640	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3560	3609	3641	3690				
20	QPSK	1	0	22.42	22.44	22.54	22.47	24	0		
20	QPSK	1	49	22.34	22.38	22.48	22.42				
20	QPSK	1	99	22.33	22.27	22.42	22.31				
20	QPSK	50	0	21.44	21.41	21.55	21.45				
20	QPSK	50	24	21.20	21.24	21.35	21.16	23	1		
20	QPSK	50	50	21.34	21.33	21.43	21.35				
20	QPSK	100	0	21.25	21.27	21.41	21.36				
20	16QAM	1	0	21.34	21.40	21.53	21.39				
20	16QAM	1	49	21.28	21.21	21.40	21.31	23	1		
20	16QAM	1	99	21.27	21.26	21.39	21.25				
20	16QAM	50	0	20.44	20.40	20.57	20.45				
20	16QAM	50	24	20.33	20.19	20.39	20.24				
20	16QAM	50	50	20.38	20.39	20.48	20.36	22	2		
20	16QAM	100	0	20.32	20.31	20.37	20.20				
20	64QAM	1	0	20.34	20.26	20.44	20.31				
20	64QAM	1	49	20.30	20.21	20.36	20.19				
20	64QAM	1	99	20.14	20.19	20.27	20.21	22	2		
20	64QAM	50	0	19.36	19.45	19.56	19.36				
20	64QAM	50	24	19.34	19.30	19.49	19.43				
20	64QAM	50	50	19.38	19.24	19.43	19.22				
20	64QAM	100	0	19.33	19.31	19.51	19.39	21	3		
20	256QAM	1	0	17.35	17.49	17.35	17.51				
20	256QAM	1	49	17.20	17.36	17.14	17.35				
20	256QAM	1	99	17.32	17.39	17.28	17.37				
20	256QAM	50	0	17.22	17.33	17.23	17.36	19	5		
20	256QAM	50	24	17.27	17.14	17.29	17.08				
20	256QAM	50	50	17.11	17.19	17.10	17.30				
20	256QAM	100	0	17.28	17.13	17.24	17.15				
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3557.5	3608	3642	3692.5				
15	QPSK	1	0	22.32	22.32	22.43	22.30	24	0		
15	QPSK	1	37	22.26	22.21	22.37	22.22				
15	QPSK	1	74	22.23	22.16	22.24	22.24				
15	QPSK	36	0	21.36	21.34	21.35	21.38				
15	QPSK	36	20	21.07	21.07	21.15	21.01	23	1		
15	QPSK	36	39	21.24	21.21	21.24	21.21				
15	QPSK	75	0	21.20	21.08	21.27	21.24				
15	16QAM	1	0	21.21	21.24	21.35	21.28				
15	16QAM	1	37	21.11	21.14	21.26	21.20	23	1		
15	16QAM	1	74	21.09	21.19	21.22	21.04				
15	16QAM	36	0	20.31	20.26	20.45	20.37				
15	16QAM	36	20	20.20	20.14	20.32	20.12				
15	16QAM	36	39	20.22	20.30	20.33	20.20	22	2		
15	16QAM	75	0	20.23	20.23	20.23	20.13				
15	64QAM	1	0	20.18	20.11	20.25	20.11				
15	64QAM	1	37	20.24	20.10	20.19	20.10				
15	64QAM	1	74	20.08	20.14	20.16	20.01	22	2		
15	64QAM	36	0	19.22	19.34	19.45	19.18				
15	64QAM	36	20	19.27	19.16	19.33	19.35				
15	64QAM	36	39	19.28	19.15	19.27	19.06				
15	64QAM	75	0	19.12	19.14	19.43	19.34	21	3		
15	256QAM	1	0	17.33	17.48	17.29	17.41				
15	256QAM	1	37	17.16	17.32	17.11	17.29				
15	256QAM	1	74	17.25	17.39	17.20	17.35				
15	256QAM	36	0	17.14	17.25	17.14	17.32	19	5		
15	256QAM	36	20	17.27	17.11	17.20	17.19				
15	256QAM	36	39	17.04	17.10	17.20	17.26				
15	256QAM	75	0	17.24	17.11	17.15	17.11				
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3555	3607.5	3642.5	3695				
10	QPSK	1	0	22.35	22.33	22.36	22.26	24	0		
10	QPSK	1	25	22.13	22.25	22.39	22.32				
10	QPSK	1	49	22.24	22.10	22.36	22.16				
10	QPSK	25	0	21.39	21.20	21.38	21.37				
10	QPSK	25	12	21.06	21.18	21.14	21.00	23	1		
10	QPSK	25	25	21.15	21.17	21.29	21.17				
10	QPSK	50	0	21.12	21.07	21.21	21.18				
10	16QAM	1	0	21.27	21.34	21.42	21.22				
10	16QAM	1	25	21.20	21.02	21.31	21.24	23	1		
10	16QAM	1	49	21.10	21.12	21.20	21.14				
10	16QAM	25	0	20.32	20.35	20.41	20.25				
10	16QAM	25	12	20.25	20.11	20.27	20.06				
10	16QAM	25	25	20.21	20.22	20.35	20.17	22	2		
10	16QAM	50	0	20.20	20.19	20.31	20.09				
10	64QAM	1	0	20.23	20.13	20.38	20.26				
10	64QAM	1	25	20.20	20.14	20.23	20.05				
10	64QAM	1	49	20.12	20.21	20.19	20.12	22	2		
10	64QAM	25	0	19.17	19.35	19.44	19.27				
10	64QAM	25	12	19.27	19.14	19.34	19.30				
10	64QAM	25	25	19.27	19.06	19.29	19.11				
10	64QAM	50	0	19.16	19.13	19.43	19.28	21	3		
10	256QAM	1	0	17.33	17.41	17.34	17.43				
10	256QAM	1	25	17.21	17.31	17.15	17.30				
10	256QAM	1	49	17.32	17.38	17.26	17.33				
10	256QAM	25	0	17.15	17.24	17.16	17.31	19	5		
10	256QAM	25	12	17.28	17.04	17.28	17.00				
10	256QAM	25	25	17.08	17.10	17.10	17.27				
10	256QAM	50	0	17.22	17.10	17.24	17.04				
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3552.5	3607	3643	3697.5				
5	QPSK	1	0	22.36	22.31	22.40	22.30	24	0		
5	QPSK	1	12	22.29	22.24	22.33	22.27				
5	QPSK	1	24	22.17	22.12	22.22	22.12				
5	QPSK	12	0	21.38	21.23	21.36	21.34				
5	QPSK	12	7	21.05	21.10	21.17	21.28	23	1		
5	QPSK	12	13	21.16	21.25	21.30	21.17				
5	QPSK	25	0	21.08	21.12	21.29	21.27				
5	16QAM	1	0	21.26	21.26	21.40	21.20				
5	16QAM	1	12	21.21	21.15	21.27	21.22	23	1		
5	16QAM	1	24	21.16	21.14	21.29	21.19				
5	16QAM	12	0	20.36	20.20	20.38	20.26				
5	16QAM	12	7	20.12	20.04	20.27	20.07				
5	16QAM	12	13	20.17	20.22	20.35	20.31	22	2		
5	16QAM	25	0	20.13	20.22	20.16	20.04				
5	64QAM	1	0	20.28	20.21	20.35	20.14				
5	64QAM	1	12	20.18	20.15	20.19	20.13				
5	64QAM	1	24	20.09	20.00	20.14	20.16	22	2		
5	64QAM	12	0	19.24	19.31	19.38	19.25				
5	64QAM	12	7	19.16	19.12	19.30	19.29				
5	64QAM	12	13	19.23	19.07	19.28	19.12				
5	64QAM	25	0	19.17	19.19	19.31	19.30	21	3		
5	256QAM	1	0	17.29	17.43	17.34	17.44				
5	256QAM	1	12	17.17	17.32	17.09	17.34				
5	256QAM	1	24	17.33	17.33	17.20	17.29				
5	256QAM	12	0	17.21	17.33	17.16	17.30	19	5		
5	256QAM	12	7	17.27	17.04	17.25	17.01				
5	256QAM	12	13	17.08	17.17	17.05	17.25				
5	256QAM	25	0	17.22	17.12	17.15	17.06				

Band 48 Ant2 Simultaneous											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				55340	55830	56150	56640	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3560	3609	3641	3690				
20	QPSK	1	0	22.42	22.44	22.54	22.47	24	0		
20	QPSK	1	49	22.34	22.38	22.48	22.42				
20	QPSK	1	99	22.33	22.27	22.42	22.31				
20	QPSK	50	0	21.44	21.41	21.55	21.45				
20	QPSK	50	24	21.20	21.24	21.35	21.16	23	1		
20	QPSK	50	50	21.34	21.33	21.43	21.35				
20	QPSK	100	0	21.25	21.27	21.41	21.36				
20	16QAM	1	0	21.34	21.40	21.53	21.39				
20	16QAM	1	49	21.28	21.21	21.40	21.31	23	1		
20	16QAM	1	99	21.27	21.26	21.39	21.25				
20	16QAM	50	0	20.44	20.40	20.57	20.45				
20	16QAM	50	24	20.33	20.19	20.39	20.24				
20	16QAM	50	50	20.38	20.39	20.48	20.36	22	2		
20	16QAM	100	0	20.32	20.31	20.37	20.20				
20	64QAM	1	0	20.34	20.26	20.44	20.31				
20	64QAM	1	49	20.30	20.21	20.36	20.19				
20	64QAM	1	99	20.14	20.19	20.27	20.21	22	2		
20	64QAM	50	0	19.36	19.45	19.56	19.36				
20	64QAM	50	24	19.34	19.30	19.49	19.43				
20	64QAM	50	50	19.38	19.24	19.43	19.22				
20	64QAM	100	0	19.33	19.31	19.51	19.39	21	3		
20	256QAM	1	0	17.35	17.49	17.35	17.51				
20	256QAM	1	49	17.20	17.36	17.14	17.35				
20	256QAM	1	99	17.32	17.39	17.28	17.37				
20	256QAM	50	0	17.22	17.33	17.23	17.36	19	5		
20	256QAM	50	24	17.27	17.14	17.29	17.08				
20	256QAM	50	50	17.11	17.19	17.10	17.30				
20	256QAM	100	0	17.28	17.13	17.24	17.15				
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3557.5	3608	3642	3692.5				
15	QPSK	1	0	22.32	22.32	22.43	22.30	24	0		
15	QPSK	1	37	22.26	22.21	22.37	22.22				
15	QPSK	1	74	22.23	22.16	22.24	22.24				
15	QPSK	36	0	21.36	21.34	21.35	21.38				
15	QPSK	36	20	21.07	21.07	21.15	21.01	23	1		
15	QPSK	36	39	21.24	21.21	21.24	21.21				
15	QPSK	75	0	21.20	21.08	21.27	21.24				
15	16QAM	1	0	21.21	21.24	21.35	21.28				
15	16QAM	1	37	21.11	21.14	21.26	21.20	23	1		
15	16QAM	1	74	21.09	21.19	21.22	21.04				
15	16QAM	36	0	20.31	20.26	20.45	20.37				
15	16QAM	36	20	20.20	20.14	20.32	20.12				
15	16QAM	36	39	20.22	20.30	20.33	20.20	22	2		
15	16QAM	75	0	20.23	20.23	20.23	20.13				
15	64QAM	1	0	20.18	20.11	20.25	20.11				
15	64QAM	1	37	20.24	20.10	20.19	20.10				
15	64QAM	1	74	20.08	20.14	20.16	20.01	22	2		
15	64QAM	36	0	19.22	19.34	19.45	19.18				
15	64QAM	36	20	19.27	19.16	19.33	19.35				
15	64QAM	36	39	19.28	19.15	19.27	19.06				
15	64QAM	75	0	19.12	19.14	19.43	19.34	21	3		
15	256QAM	1	0	17.33	17.48	17.29	17.41				
15	256QAM	1	37	17.16	17.32	17.11	17.29				
15	256QAM	1	74	17.25	17.39	17.20	17.35				
15	256QAM	36	0	17.14	17.25	17.14	17.32	19	5		
15	256QAM	36	20	17.27	17.11	17.20	17.19				
15	256QAM	36	39	17.04	17.10	17.20	17.26				
15	256QAM	75	0	17.24	17.11	17.15	17.11				
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3555	3607.5	3642.5	3695				
10	QPSK	1	0	22.35	22.33	22.36	22.26	24	0		
10	QPSK	1	25	22.13	22.25	22.39	22.32				
10	QPSK	1	49	22.24	22.10	22.36	22.16				
10	QPSK	25	0	21.39	21.20	21.38	21.37				
10	QPSK	25	12	21.06	21.18	21.14	21.00	23	1		
10	QPSK	25	25	21.15	21.17	21.29	21.17				
10	QPSK	50	0	21.12	21.07	21.21	21.18				
10	16QAM	1	0	21.27	21.34	21.42	21.22				
10	16QAM	1	25	21.20	21.02	21.31	21.24	23	1		
10	16QAM	1	49	21.10	21.12	21.20	21.14				
10	16QAM	25	0	20.32	20.35	20.41	20.25				
10	16QAM	25	12	20.25	20.11	20.27	20.06				
10	16QAM	25	25	20.21	20.22	20.35	20.17	22	2		
10	16QAM	50	0	20.20	20.19	20.31	20.09				
10	64QAM	1	0	20.23	20.13	20.38	20.26				
10	64QAM	1	25	20.20	20.14	20.23	20.05				
10	64QAM	1	49	20.12	20.21	20.19	20.12	22	2		
10	64QAM	25	0	19.17	19.35	19.44	19.27				
10	64QAM	25	12	19.27	19.14	19.34	19.30				
10	64QAM	25	25	19.27	19.06	19.29	19.11				
10	64QAM	50	0	19.16	19.13	19.43	19.28	21	3		
10	256QAM	1	0	17.33	17.41	17.34	17.43				
10	256QAM	1	25	17.21	17.31	17.15	17.30				
10	256QAM	1	49	17.32	17.38	17.26	17.33				
10	256QAM	25	0	17.15	17.24	17.16	17.31	19	5		
10	256QAM	25	12	17.28	17.04	17.28	17.00				
10	256QAM	25	25	17.08	17.10	17.10	17.27				
10	256QAM	50	0	17.22	17.10	17.24	17.04				
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3552.5	3607	3643	3697.5				
5	QPSK	1	0	22.36	22.31	22.40	22.30	24	0		
5	QPSK	1	12	22.29	22.24	22.33	22.27				
5	QPSK	1	24	22.17	22.12	22.22	22.12				
5	QPSK	12	0	21.38	21.23	21.36	21.34				
5	QPSK	12	7	21.05	21.10	21.17	21.28	23	1		
5	QPSK	12	13	21.16	21.25	21.30	21.17				
5	QPSK	25	0	21.08	21.12	21.29	21.27				
5	16QAM	1	0	21.26	21.26	21.40	21.20				
5	16QAM	1	12	21.21	21.15	21.27	21.22	23	1		
5	16QAM	1	24	21.16	21.14	21.29	21.19				
5	16QAM	12	0	20.36	20.20	20.38	20.26				
5	16QAM	12	7	20.12	20.04	20.27	20.07				
5	16QAM	12	13	20.17	20.22	20.35	20.31	22	2		
5	16QAM	25	0	20.13	20.22	20.16	20.04				
5	64QAM	1	0	20.28	20.21	20.35	20.14				
5	64QAM	1	12	20.18	20.15	20.19	20.13				
5	64QAM	1	24	20.09	20.00	20.14	20.16	22	2		
5	64QAM	12	0	19.24	19.31	19.38	19.25				
5	64QAM	12	7	19.16	19.12	19.30	19.29				
5	64QAM	12	13	19.23	19.07	19.28	19.12				
5	64QAM	25	0	19.17	19.19	19.31	19.30	21	3		
5	256QAM	1	0	17.29	17.43	17.34	17.44				
5	256QAM	1	12	17.17	17.32	17.09	17.34				
5	256QAM	1	24	17.33	17.33	17.20	17.29				
5	256QAM	12	0	17.21	17.33	17.16	17.30	19	5		
5	256QAM	12	7	17.27	17.04	17.25	17.01				
5	256QAM	12	13	17.08	17.17	17.05	17.25				
5	256QAM	25	0	17.22	17.12	17.15	17.06				

Uplink CA Power

Full Power Ant 0										
CA_66C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	99	1	0	1	0	22.93	24.00
132322	132520	QPSK	1	99	1	0	1	0	23.11	24.00
132572	132374	QPSK	1	0	1	99	1	0	22.99	24.00

Full Power Ant 1										
CA_66C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	99	1	0	1	0	22.62	24.00
132322	132520	QPSK	1	99	1	0	1	0	22.74	24.00
132572	132374	QPSK	1	0	1	99	1	0	22.67	24.00

Ant 1 DSI 2 Standalone										
CA_66C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	99	1	0	1	0	16.47	18.10
132322	132520	QPSK	1	0	1	99	1	0	16.43	18.10
132572	132374	QPSK	1	0	1	99	1	0	16.34	18.10

Ant 1 DSI 2 Simultaneous										
CA_66C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	99	1	0	1	0	14.95	16.80
132322	132520	QPSK	1	99	1	0	1	0	15.03	16.80
132572	132374	QPSK	1	0	1	99	1	0	14.98	16.80

Ant 0 DSI 3 Standalone										
CA_66C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	99	1	0	1	0	18.17	19.20
132322	132520	QPSK	1	99	1	0	1	0	18.26	19.20
132572	132374	QPSK	1	0	1	99	1	0	18.22	19.20

Ant 1 DSI 3 Standalone										
CA_66C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	99	1	0	1	0	18.11	19.50
132322	132520	QPSK	1	99	1	0	1	0	18.15	19.50
132572	132374	QPSK	1	0	1	99	1	0	18.03	19.50

Ant 0 DSI 3 Simultaneous										
CA_66C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	99	1	0	1	0	14.98	16.20
132322	132520	QPSK	1	99	1	0	1	0	15.05	16.20
132572	132374	QPSK	1	0	1	99	1	0	15.01	16.20

Ant 1 DSI 3 Simultaneous										
CA_66C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	99	1	0	1	0	16.2	17.70
132322	132520	QPSK	1	99	1	0	1	0	16.31	17.70
132572	132374	QPSK	1	0	1	99	1	0	16.59	17.70

Ant 0 DSI 6 Standalone										
CA_66C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	99	1	0	1	0	21.53	23.00
132322	132520	QPSK	1	0	1	99	1	0	21.69	23.00
132572	132374	QPSK	1	0	1	99	1	0	21.72	23.00

Ant 1 DSI 6 Standalone										
CA_66C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	99	1	0	1	0	19.85	21.50
132322	132520	QPSK	1	99	1	0	1	0	19.92	21.50
132572	132374	QPSK	1	0	1	99	1	0	19.87	21.50

Ant 0 DSI 6 Simultaneous										
CA_66C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	66734	QPSK	1	99	1	0	1	0	19.65	21.50
132322	66984	QPSK	1	0	1	99	1	0	19.73	21.50
132572	66838	QPSK	1	0	1	99	1	0	19.74	21.50

Ant 1 DSI 6 Simultaneous										
CA_66C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	66734	QPSK	1	99	1	0	1	0	19.61	20.00
132322	66984	QPSK	1	99	1	0	1	0	19.68	20.00
132572	66838	QPSK	1	0	1	99	1	0	19.73	20.00

Full Power Ant 0										
CA_66B										
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	0	1	24	1	0	22.36	24.00
132322	132415	QPSK	1	0	1	24	1	0	22.58	24.00
132597	132504	QPSK	1	74	1	0	1	0	22.44	24.00

Full Power Ant 1			CA_66B							
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	0	1	24	1	0	22.58	24.00
132322	132415	QPSK	1	0	1	24	1	0	22.54	24.00
132597	132604	QPSK	1	74	1	0	1	0	22.51	24.00

Full Power Ant 0										
CA_5B										
Combination 10MHz+5MHz (50RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20522	QPSK	1	49	1	0	1	0	22.78	24.00
20525	20597	QPSK	1	49	1	0	1	0	22.83	24.00
20600	20528	QPSK	1	0	1	24	1	0	22.72	24.00

Full Power Ant 1										
CA_5B										
Combination 10MHz+5MHz (50RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20522	QPSK	1	49	1	0	1	0	22.41	24.00
20525	20597	QPSK	1	49	1	0	1	0	22.58	24.00
20600	20528	QPSK	1	0	1	24	1	0	22.47	24.00

Ant 1 DSI 2 Standalone										
CA_5B										
Combination 10MHz+5MHz (50RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20522	QPSK	1	49	1	0	1	0	22.33	23.50
20525	20597	QPSK	1	49	1	0	1	0	22.47	23.50
20600	20528	QPSK	1	0	1	24	1	0	22.31	23.50

Ant 1 DSI 2 Simultaneous										
CA_5B										
Combination 10MHz+5MHz (50RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20522	QPSK	1	49	1	0	1	0	21.52	22.20
20525	20597	QPSK	1	49	1	0	1	0	21.56	22.20
20600	20528	QPSK	1	0	1	24	1	0	21.45	22.20

Ant 0 DSI 3 Standalone										
CA_5B										
Combination 10MHz+5MHz (50RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20522	QPSK	1	49	1	0	1	0	22.78	23.50
20525	20597	QPSK	1	49	1	0	1	0	22.83	23.50
20600	20528	QPSK	1	0	1	24	1	0	22.72	23.50

Ant 0 DSI 3 Simultaneous										
CA_5B										
Combination 10MHz+5MHz (50RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20522	QPSK	1	49	1	0	1	0	21.15	22.20
20525	20597	QPSK	1	49	1	0	1	0	21.2	22.20
20600	20528	QPSK	1	0	1	24	1	0	21.25	22.20

Ant 1 DSI 3 Standalone										
CA_5B										
Combination 10MHz+5MHz (50RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20522	QPSK	1	49	1	0	1	0	22.85	24.00
20525	20597	QPSK	1	49	1	0	1	0	22.96	24.00
20600	20528	QPSK	1	0	1	24	1	0	22.99	24.00

Ant 1 DSI 3 Simultaneous										
CA_5B										
Combination 10MHz+5MHz (50RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20522	QPSK	1	49	1	0	1	0	22.15	23.10
20525	20597	QPSK	1	49	1	0	1	0	22.26	23.10
20600	20528	QPSK	1	0	1	24	1	0	22.28	23.10

Full Power Ant 2										
CA_48C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
55340	55538	QPSK	1	99	1	0	1	0	22.28	24.00
55830	56028	QPSK	1	99	1	0	1	0	22.3	24.00
56150	56348	QPSK	1	99	1	0	1	0	22.33	24.00
56640	56442	QPSK	1	0	1	99	1	0	22.31	24.00

Ant 2 DSI 3 Standalone										
CA_48C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
55340	55538	QPSK	1	99	1	0	1	0	17.15	18.50
55830	56028	QPSK	1	99	1	0	1	0	17.19	18.50
56150	56348	QPSK	1	99	1	0	1	0	17.22	18.50
56640	56442	QPSK	1	0	1	99	1	0	17.18	18.50

Ant 2 DSI 3 Simultaneous										
CA_48C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
55340	55538	QPSK	1	99	1	0	1	0	16.2	17.20
55830	56028	QPSK	1	99	1	0	1	0	16.22	17.20
56150	56348	QPSK	1	99	1	0	1	0	16.24	17.20
56640	56442	QPSK	1	0	1	99	1	0	16.17	17.20



Downlink CA Power

2CA DL																	
CA List		PCC								SCC					Power		
		LTE	BW	BW	UL	UL	Mod.	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA
		Band	Ant	Freq. (MHz)	Channel	RB		RB Offset	Band		Freq. (MHz)	Channel	Tx Power (dBm)	Tx Power (dBm)			
		Band 4	Ant1	20M	1732.5	20175		QPSK	1		0	4x4MIMO	Band 48	20M		3641	56150
CA_4A-48A		Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	22.36	22.58

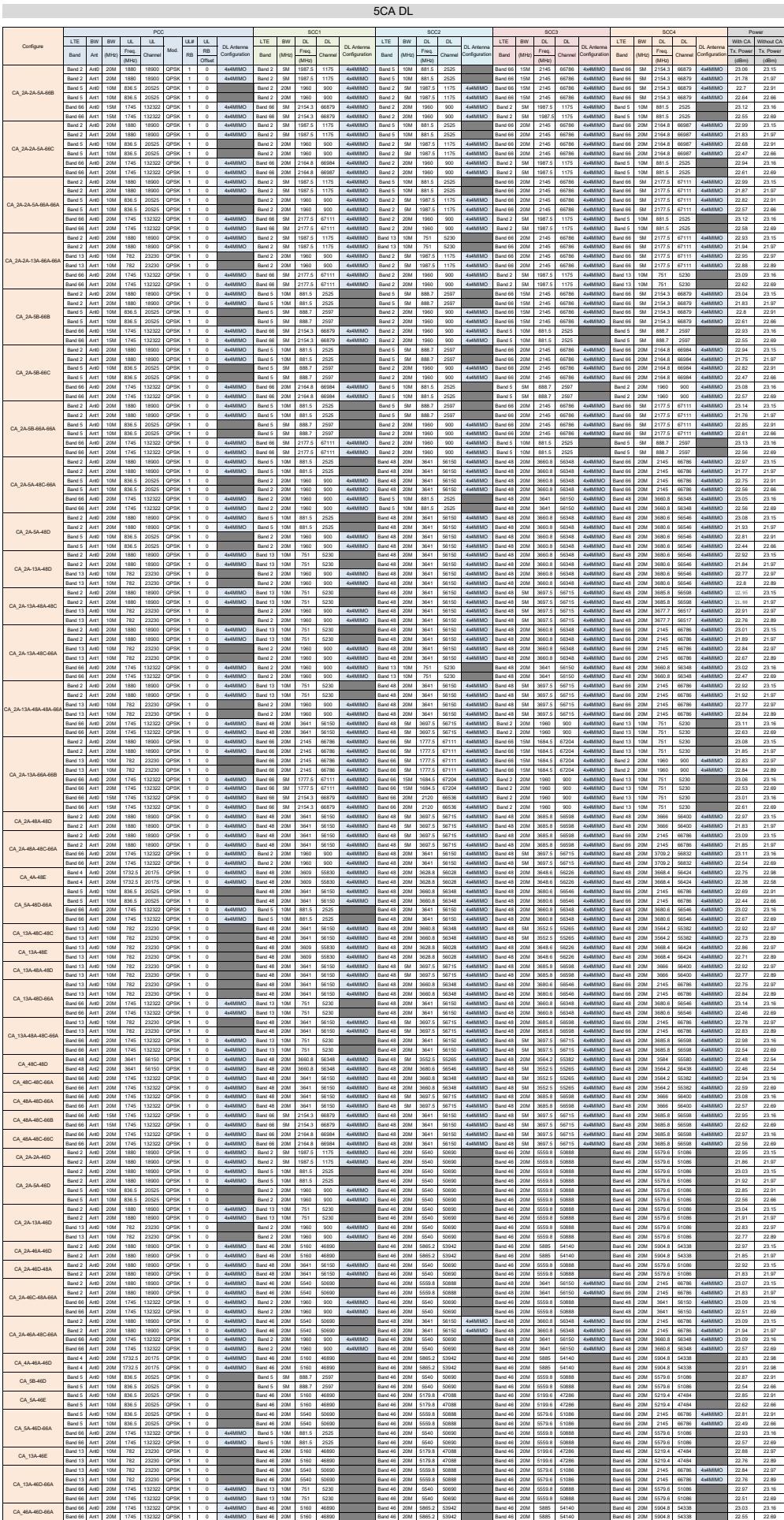
3CA DL

3CA List	PCC									SCC1				SCC2				Power			
	LTE	BW	BW	UL	Mod.	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA	
	Band	Ant	(MHz)	Freq. (MHz)		Channel	RB		RB Offset	Band	(MHz)	Freq. (MHz)		Channel	Band	(MHz)	Freq. (MHz)		Channel	Tx. Power (dBm)	Tx. Power (dBm)
CA_2A_4A_13A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	23.02	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	21.87	21.97
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 13	10M	751	5230		22.86	22.98
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 13	10M	751	5230		22.43	22.58
	Band 13	Ant0	10M	752	23230	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.83	22.97
CA_4A_4A_13A	Band 13	Ant1	10M	752	23230	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.78	22.89
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 13	10M	751	5230		22.82	22.98
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 13	10M	751	5230		22.36	22.58
	Band 13	Ant0	10M	752	23230	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	22.77	22.97
	Band 13	Ant1	10M	752	23230	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	22.67	22.89
CA_4A_48C	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	22.83	22.98
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	22.41	22.58
CA_66A_66C	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 66	20M	2165.8	66994	4x4MIMO	22.94	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 66	20M	2165.8	66994	4x4MIMO	22.56	22.69
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 66	5M	2112.5	66461	4x4MIMO	23.09	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 66	5M	2112.5	66461	4x4MIMO	22.57	22.69
CA_2A_2A_46A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 46	20M	5540	50690		23.11	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 46	20M	5540	50690		21.92	21.97
CA_2A_5A_46A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 46	20M	5540	50690		23.09	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 46	20M	5540	50690		21.88	21.97
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 46	20M	5540	50690		22.86	22.91
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 46	20M	5540	50690		22.53	22.66
	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 46	20M	5540	50690		23.13	23.15
CA_2A_13A_46A	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 46	20M	5540	50690		21.9	21.97
	Band 13	Ant0	10M	752	23230	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 46	20M	5540	50690		22.94	22.97
	Band 13	Ant1	10M	752	23230	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 46	20M	5540	50690		22.82	22.89
CA_4A_46A_46A	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 46	20M	5160	46890		Band 46	20M	5905	54340		22.78	22.98
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 46	20M	5160	46890		Band 46	20M	5905	54340		22.46	22.58
CA_5B_46A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 5	5M	888.7	2597		Band 46	20M	5540	50690		22.84	22.91
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 5	5M	888.7	2597		Band 46	20M	5540	50690		22.62	22.66
CA_5A_46A_46A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 46	20M	5160	46890		Band 46	20M	5905	54340		22.83	22.91
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 46	20M	5160	46890		Band 46	20M	5905	54340		22.6	22.66
CA_13A_46C	Band 13	Ant0	10M	752	23230	QPSK	1	0		Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		22.92	22.97
	Band 13	Ant1	10M	752	23230	QPSK	1	0		Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		22.76	22.89
CA_13A_46A_46A	Band 13	Ant0	10M	752	23230	QPSK	1	0		Band 46	20M	5160	46890		Band 46	20M	5905	54340		22.91	22.97
	Band 13	Ant1	10M	752	23230	QPSK	1	0		Band 46	20M	5160	46890		Band 46	20M	5905	54340		22.75	22.89
CA_46A_46A_66A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 46	20M	5160	46890		Band 46	20M	5905	54340		22.98	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 46	20M	5160	46890		Band 46	20M	5905	54340		22.53	22.69
CA_46A_48A_66A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690		Band 48	20M	3641	56150	4x4MIMO	23.07	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690		Band 48	20M	3641	56150	4x4MIMO	22.54	22.69
CA_46A_66A_66A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 46	20M	5540	50690		23.05	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 46	20M	5540	50690		22.62	22.69



4CA DL

Configure	PCC										SCC1				SCC2				SCC3				Power			
	LTE	BW	BW	UL	UL	Mod.	UL#	UL Offset	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA Tx Power (dBm)	Without CA Tx Power (dBm)
	Band	Ant	(MHz)	Freq. (MHz)	Channel					Band	(MHz)	Freq. (MHz)	Channel		Band	(MHz)	Freq. (MHz)	Channel		Band	(MHz)	Freq. (MHz)	Channel			
CA_2A-2A-4A-4A	Band 2	Ant0	20M	1880	1890Q	QPSK	1	0	4xMIMO	Band 2	9M	1987.5	1175	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	Band 4	9M	2152.5	2375	4xMIMO	23.02	23.15
	Band 2	Ant1	20M	1880	1890Q	QPSK	1	0	4xMIMO	Band 2	9M	1987.5	1175	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	Band 4	9M	2152.5	2375	4xMIMO	21.8	21.97
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 4	9M	2152.5	2375	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 2	9M	1987.5	1175	4xMIMO	22.76	22.98
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 4	9M	2152.5	2375	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 2	9M	1987.5	1175	4xMIMO	22.46	22.58
CA_2A-2A-4A-5A	Band 2	Ant0	20M	1880	1890Q	QPSK	1	0	4xMIMO	Band 2	9M	1987.5	1175	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	Band 5	10M	881.5	2525		22.98	23.15
	Band 2	Ant1	20M	1880	1890Q	QPSK	1	0	4xMIMO	Band 2	9M	1987.5	1175	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	Band 5	10M	881.5	2525		21.83	21.97
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 2	9M	1987.5	1175	4xMIMO	Band 5	10M	881.5	2525		22.78	22.98
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 2	9M	1987.5	1175	4xMIMO	Band 5	10M	881.5	2525		22.46	22.58
CA_2A-2A-5B	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4xMIMO	Band 2	9M	1987.5	1175	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	22.83	22.91
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4xMIMO	Band 2	9M	1987.5	1175	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	22.42	22.66
	Band 2	Ant0	20M	1880	1890Q	QPSK	1	0	4xMIMO	Band 2	9M	1987.5	1175	4xMIMO	Band 5	10M	881.5	2525		Band 5	9M	888.7	2597		23.12	23.15
	Band 2	Ant1	20M	1880	1890Q	QPSK	1	0	4xMIMO	Band 2	9M	1987.5	1175	4xMIMO	Band 5	10M	881.5	2525		Band 5	9M	888.7	2597		21.74	21.97
CA_2A-4A-4A-5A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 5	9M	888.7	2597		Band 2	20M	1960	900	4xMIMO	Band 2	9M	1987.5	1175	4xMIMO	22.88	22.91
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 5	9M	888.7	2597		Band 2	20M	1960	900	4xMIMO	Band 2	9M	1987.5	1175	4xMIMO	22.59	22.66
	Band 2	Ant0	20M	1880	1890Q	QPSK	1	0	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	Band 4	9M	2152.5	2375	4xMIMO	Band 5	10M	881.5	2525		23.02	23.15
	Band 2	Ant1	20M	1880	1890Q	QPSK	1	0	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	Band 4	9M	2152.5	2375	4xMIMO	Band 5	10M	881.5	2525		21.78	21.97
CA_2A-4A-5B	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 4	9M	2152.5	2375	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 5	10M	881.5	2525		22.85	22.98
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 4	9M	2152.5	2375	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 5	10M	881.5	2525		22.36	22.58
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 5	9M	888.7	2597		Band 2	20M	1960	900	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	22.79	22.91
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 5	9M	888.7	2597		Band 2	20M	1960	900	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	22.49	22.66
CA_2A-5A-4B-6A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 5	10M	881.5	2525		Band 48	20M	3641	56150	4xMIMO	Band 48	20M	3650.8	56348	4xMIMO	22.99	23.15
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 5	10M	881.5	2525		Band 48	20M	3641	56150	4xMIMO	Band 48	20M	3650.8	56348	4xMIMO	21.85	21.97
	Band 66	Ant0	20M	1745	13232Q	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 48	20M	3641	56150	4xMIMO	Band 66	20M	2145	66786	4xMIMO	21.86	21.97
	Band 66	Ant1	20M	1745	13232Q	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 48	20M	3641	56150	4xMIMO	Band 66	20M	2145	66786	4xMIMO	21.88	22.91
CA_2A-13A-66C	Band 66	Ant0	20M	1745	13232Q	QPSK	1	0	4xMIMO	Band 13	10M	751	5230		Band 66	20M	2145	66786	4xMIMO	Band 66	20M	2145	66786	4xMIMO	22.83	23.16
	Band 66	Ant1	20M	1745	13232Q	QPSK	1	0	4xMIMO	Band 13	10M	751	5230		Band 66	20M	2145	66786	4xMIMO	Band 66	20M	2145	66786	4xMIMO	22.46	22.69
	Band 13	Ant0	10M	782	23230	QPSK	1	0	4xMIMO	Band 13	10M	751	5230		Band 66	20M	2145	66786	4xMIMO	Band 66	20M	2145	66786	4xMIMO	21.85	21.97
	Band 13	Ant1	10M	782	23230	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 66	20M	2145	66786	4xMIMO	Band 66	20M	2145	66786	4xMIMO	22.85	22.97
CA_2A-66A-66A-66A	Band 66	Ant0	20M	1745	13232Q	QPSK	1	0	4xMIMO	Band 66	20M	2145	66786	4xMIMO	Band 66	20M	2145	66786	4xMIMO	Band 66	20M	2145	66786	4xMIMO	22.85	22.89
	Band 66	Ant1	20M	1745	13232Q	QPSK	1	0	4xMIMO	Band 66	20M	2145	66786	4xMIMO	Band 66	20M	2145	66786	4xMIMO	Band 66	20M	2145	66786	4xMIMO	22.04	22.16
	Band 66	Ant0	20M	1745	13232Q	QPSK	1	0	4xMIMO	Band 66	9M	2177.5	67111	4xMIMO	Band 66	20M	2145	66786	4xMIMO	Band 66	20M	2145	66786	4xMIMO	22.98	23.15
	Band 66	Ant1	20M	1745	13232Q	QPSK	1	0	4xMIMO	Band 66	9M	2177.5	67111	4xMIMO	Band 66	20M	2145	66786	4xMIMO	Band 66	20M	2145	66786	4xMIMO	22.46	22.69
CA_4A-4A-5B	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 4	9M	2152.5	2375	4xMIMO	Band 5	10M	881.5	2525		Band 5	9M	888.7	2597		22.88	22.98
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 4	9M	2152.5	2375	4xMIMO	Band 5	10M	881.5	2525		Band 5	9M	888.7	2597		22.36	22.58
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 5	9M	888.7	2597		Band 4	20M	2132.5	2175	4xMIMO	Band 4	9M	2152.5	2375	4xMIMO	22.79	22.91
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 5	9M	888.7	2597		Band 4	20M	2132.5	2175	4xMIMO	Band 4	9M	2152.5	2375	4xMIMO	22.54	22.66
CA_5A-5A-66B	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 48	20M	3641	56150	4xMIMO	Band 48	20M	3650.8	56348	4xMIMO	Band 48	20M	3650.8	56348	4xMIMO	22.82	22.96
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 48	20M	3641	56150	4xMIMO	Band 48	20M	3650.8	56348	4xMIMO	Band 48	20M	3650.8	56348	4xMIMO	22.36	22.58
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 5	9M	891.5	2625		Band 66	20M	2145	66786	4xMIMO	Band 66	20M	2145.3	66879	4xMIMO	22.83	22.91
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 5	9M	891.5	2625		Band 66	20M	2145	66786	4xMIMO	Band 66	20M	2145.3	66879	4xMIMO	22.52	22.66
CA_5A-5A-66C	Band 66	Ant0	15M	1745	13232Q	QPSK	1	0	4xMIMO	Band 66	9M	2154.3	66879	4xMIMO	Band 5	10M	881.5	2525		Band 5	9M	891.5	2625		22.98	23.16
	Band 66	Ant1	15M	1745	13232Q	QPSK	1	0	4xMIMO	Band 66	9M	2154.3	66879	4xMIMO	Band 5	10M	881.5	2525		Band 5	9M	891.5	2625		22.5	22.69
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 5	9M	891.5	2625		Band 66	20M	2145	66786	4xMIMO	Band 66	20M	2148.8	66984	4xMIMO	22.8	22.91
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 5	9M	891.5	2625		Band 66	20M	2145	66786	4xMIMO	Band 66	20M	2148.8	66984	4xMIMO	22.52	22.66
CA_5A-5A-66A-66A	Band 66	Ant0	20M	1745	13232Q	QPSK	1	0	4xMIMO	Band 66	20M	2148.8	66984	4xMIMO	Band 5	10M	881.5	2525		Band 5	9M	891.5	2625		23.07	23.16
	Band 66	Ant1	20M	1745	13232Q	QPSK	1	0	4xMIMO	Band 66	20M	2148.8	66984	4xMIMO	Band 5	10M	881.5	2525		Band 5	9M	891.5	2625		22.55	22.69
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 5	9M															





6CA DL

Configure	PCC								SCC1				SCC2				SCC3				SCC4				SCC5				Power							
	LTE	BW	BW	UL	UL	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA						
	Band	Ant	(MHz)	Freq. (MHz)	Channel				Mod.	RB	RF Offset	Band		(MHz)	Freq. (MHz)	Channel	Band		(MHz)	Freq. (MHz)	Channel	Band		(MHz)	Freq. (MHz)	Channel	Band		(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Tx Power (dBm)
CA_2A-46D-48A-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 48	20M	3641	56150	4xMIMO	Band 66	20M	2145	66786	4xMIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086	22.95	23.15	
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 48	20M	3641	56150	4xMIMO	Band 66	20M	2145	66786	4xMIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086	21.83	21.97	
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 48	20M	3641	56150	4xMIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086	23.01	23.16	
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 48	20M	3641	56150	4xMIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086	22.53	22.69	
CA_2A-46D-66A-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086		Band 66	20M	2145	66786	4xMIMO	Band 66	5M	2177.5	67111	4xMIMO	22.96	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086		Band 66	20M	2145	66786	4xMIMO	Band 66	5M	2177.5	67111	4xMIMO	21.78	21.97
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4xMIMO	Band 66	5M	2177.5	67111	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086	23.05	23.16	
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4xMIMO	Band 66	5M	2177.5	67111	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086	22.48	22.69	
CA_2A-46C-48C-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 48	20M	3641	56150	4xMIMO	Band 48	20M	3660.8	56348	4xMIMO	Band 66	20M	2145	66786	4xMIMO	22.95	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 48	20M	3641	56150	4xMIMO	Band 48	20M	3660.8	56348	4xMIMO	Band 66	20M	2145	66786	4xMIMO	21.86	21.97
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 48	20M	3641	56150	4xMIMO	Band 48	20M	3660.8	56348	4xMIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888	23.03	23.16	
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 48	20M	3641	56150	4xMIMO	Band 48	20M	3660.8	56348	4xMIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888	22.57	22.69	
CA_2A-46A-48E	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 46	20M	5540	50690		Band 48	20M	3609	55830	4xMIMO	Band 48	20M	3628.8	56028	4xMIMO	Band 48	20M	3648.6	56226	4xMIMO	Band 48	20M	3668.4	56424	4xMIMO	22.91	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 46	20M	5540	50690		Band 48	20M	3609	55830	4xMIMO	Band 48	20M	3628.8	56028	4xMIMO	Band 48	20M	3648.6	56226	4xMIMO	Band 48	20M	3668.4	56424	4xMIMO	21.91	21.97
	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 46	20M	5540	50690		Band 48	20M	3641	56150	4xMIMO	Band 48	20M	3660.8	56348	4xMIMO	Band 48	20M	3680.6	56546	4xMIMO	Band 66	20M	2145	66786	4xMIMO	22.93	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 46	20M	5540	50690		Band 48	20M	3641	56150	4xMIMO	Band 48	20M	3660.8	56348	4xMIMO	Band 48	20M	3680.6	56546	4xMIMO	Band 66	20M	2145	66786	4xMIMO	21.95	21.97
CA_2A-46A-48D-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 48	20M	3609	55830	4xMIMO	Band 46	20M	5540	50690		Band 48	20M	3641	56150	4xMIMO	Band 48	20M	3660.8	56348	4xMIMO	Band 48	20M	3680.6	56546	4xMIMO	23.01	23.16
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 48	20M	3609	55830	4xMIMO	Band 46	20M	5540	50690		Band 48	20M	3641	56150	4xMIMO	Band 48	20M	3660.8	56348	4xMIMO	Band 48	20M	3680.6	56546	4xMIMO	22.52	22.69
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 48	20M	3609	55830	4xMIMO	Band 48	20M	3628.8	56028	4xMIMO	Band 48	20M	3648.6	56226	4xMIMO	Band 66	20M	2145	66786	4xMIMO	23.06	23.15
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 48	20M	3609	55830	4xMIMO	Band 48	20M	3628.8	56028	4xMIMO	Band 48	20M	3648.6	56226	4xMIMO	Band 66	20M	2145	66786	4xMIMO	21.88	21.97
CA_2A-48E-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 48	20M	3609	55830	4xMIMO	Band 46	20M	5540	50690		Band 48	20M	3628.8	56028	4xMIMO	Band 48	20M	3648.6	56226	4xMIMO	Band 48	20M	3668.4	56424	4xMIMO	22.96	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 48	20M	3609	55830	4xMIMO	Band 48	20M	3628.8	56028	4xMIMO	Band 48	20M	3648.6	56226	4xMIMO	Band 48	20M	3668.4	56424	4xMIMO	22.57	22.69



7CA DL

Configure	PCC										SCC1				SCC2				SCC3				SCC4				SCC5				Power										
	LTE	BW	BW	UL	UL	Mod	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA					
	Band	Ant	MHz	Freq. (MHz)	Channel	RB	RB	Offset		Band	MHz	Freq. (MHz)	Channel	DL Antenna Configuration	Band	MHz	Freq. (MHz)	Channel	DL Antenna Configuration	Band	MHz	Freq. (MHz)	Channel	DL Antenna Configuration	Band	MHz	Freq. (MHz)	Channel	DL Antenna Configuration	Band	MHz	Freq. (MHz)	Channel	DL Antenna Configuration	Tx. Power (dBm)	Tx. Power (dBm)					
CA_2A-48C	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3600.8	56348	4x4MIMO	Band 48	20M	5160	40890		Band 46	20M	5179.8	47098		Band 46	20M	5199.6	47296		23.07	23.15					
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3600.8	56348	4x4MIMO	Band 46	20M	5160	40890		Band 46	20M	5179.8	47098		Band 46	20M	5199.6	47296		21.83	21.97					
CA_2A-48E-48A-66A	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 46	20M	5160	40890		Band 46	20M	5179.8	47098		Band 46	20M	5199.6	47296		23.07	23.15					
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 46	20M	5160	40890		Band 46	20M	5179.8	47098		Band 46	20M	5199.6	47296		23.06	23.16					
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	5160	40890		Band 46	20M	5179.8	47098		Band 46	20M	5199.6	47296		22.57	22.69					
	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 46	20M	5160	40890		Band 46	20M	5179.8	47098		Band 46	20M	5199.6	47296		22.95	23.15					
CA_2A-48E-66A-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 46	20M	5160	40890		Band 46	20M	5179.8	47098		Band 46	20M	5199.6	47296		21.91	21.97					
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 48	20M	5160	40890		Band 46	20M	5179.8	47098		Band 46	20M	5199.6	47296		23.06	23.16					
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 48	20M	5160	40890		Band 46	20M	5179.8	47098		Band 46	20M	5199.6	47296		22.61	22.69					
	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3600.8	56348	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		23.13	23.15					
CA_2A-48D-48C-66A	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3600.8	56348	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		21.89	21.97					
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3600.8	56348	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		23.05	23.16					
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3600.8	56348	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		22.57	22.69					
	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3600.8	56348	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		23.13	23.15					
CA_2A-48C-48E	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56220	4x4MIMO	Band 48	20M	3668.4	56424	4x4MIMO	22.9	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 48	20M	3641	56150	4x4MIMO	Band 46	20M	3600.8	56348	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	22.97	23.15
CA_2A-48C-48D-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3600.8	56348	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	23.15	21.97
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3600.8	56348	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	23.03	23.16
CA_48C-48E-66A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3600.8	56348	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	23.62	22.68
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56220	4x4MIMO	Band 48	20M	3668.4	56424	4x4MIMO	23.01	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56220	4x4MIMO	Band 48	20M	3668.4	56424	4x4MIMO	22.48	22.69



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

n2 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000			
Frequency (MHz)				1800	1800	1800			
20	Pi2 BPSK	1	1	22.15	22.24	22.17			
20	Pi2 BPSK	1	53	22.27	22.33	22.26	24.0	0.0	
20	Pi2 BPSK	1	104	22.19	22.26	22.24			
20	Pi2 BPSK	50	0	22.18	22.33	22.25	24.0	0.0	
20	Pi2 BPSK	50	28	22.13	22.31	22.30	24.0	0.0	
20	Pi2 BPSK	50	56	22.19	22.26	22.07	24.0	0.0	
20	Pi2 BPSK	100	0	22.13	22.22	22.13			
20	QPSK	1	1	22.53	22.55	22.38			
20	QPSK	1	53	22.56	22.19	22.56	24.0	0.0	
20	QPSK	1	104	22.25	22.32	22.20			
20	QPSK	50	0	22.16	22.23	22.17	24.0	0.0	
20	QPSK	50	28	22.21	22.41	22.25	24.0	0.0	
20	QPSK	50	56	22.17	22.35	22.28	24.0	0.0	
20	QPSK	100	0	22.21	22.37	22.20			
20	16QAM	1	1	22.40	22.47	22.41	24.0	0.0	
20	64QAM	1	1	21.37	21.48	21.31	22.5	1.5	
20	256QAM	1	1	19.23	19.26	19.23	20.5	3.5	
Channel				375000	376000	376000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1887.5	1880	1882.5			
15	QPSK	1	1	22.23	22.43	22.24	24.0	0.0	
Channel				375000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1860	1865			
10	QPSK	1	1	22.42	22.41	22.17	24.0	0.0	
Channel				379500	379000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1860	1867.5			
5	QPSK	1	1	22.25	22.35	22.18	24.0	0.0	

n5 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	Pi2 BPSK	1	1	22.62	22.63	22.63			
20	Pi2 BPSK	1	53	22.62	22.63	22.54	24.0	0.0	
20	Pi2 BPSK	1	104	22.46	22.60	22.41			
20	Pi2 BPSK	50	0	22.50	22.55	22.49	24.0	0.0	
20	Pi2 BPSK	50	28	22.64	22.67	22.58	24.0	0.0	
20	Pi2 BPSK	50	56	22.50	22.56	22.41	24.0	0.0	
20	Pi2 BPSK	100	0	22.45	22.64	22.60			
20	QPSK	1	1	22.63	22.75	22.67			
20	QPSK	1	53	22.42	22.62	22.44	24.0	0.0	
20	QPSK	1	104	22.47	22.60	22.35			
20	QPSK	50	0	22.49	22.58	22.41	24.0	0.0	
20	QPSK	50	28	22.62	22.65	22.63	24.0	0.0	
20	QPSK	50	56	22.50	22.57	22.43	24.0	0.0	
20	QPSK	100	0	22.43	22.62	22.43			
20	16QAM	1	1	22.59	22.61	22.52	24.0	0.0	
20	64QAM	1	1	21.73	21.91	21.72	22.5	1.5	
20	256QAM	1	1	19.04	19.09	19.02	20.5	3.5	
Channel				166300	167200	167300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.48	22.54	22.39	24.0	0.0	
Channel				165800	167300	166900	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				836	836.5	844			
10	QPSK	1	1	22.46	22.51	22.47	24.0	0.0	
Channel				165300	167300	165900	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				840.5	836.5	848.5			
5	QPSK	1	1	22.50	22.45	22.42	24.0	0.0	

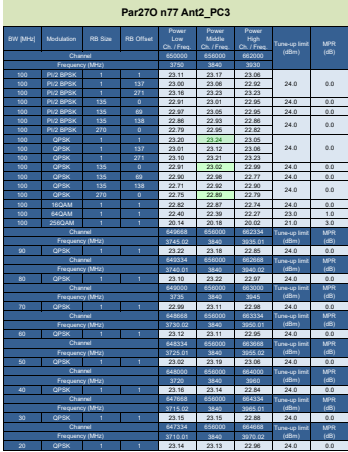
n66 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	Pi2 BPSK	1	1	22.30	22.33	22.24			
40	Pi2 BPSK	1	108	22.16	22.34	22.19	24.0	0.0	
40	Pi2 BPSK	1	214	22.16	22.35	22.17			
40	Pi2 BPSK	108	0	22.09	22.28	22.26	24.0	0.0	
40	Pi2 BPSK	108	54	22.06	22.25	22.08	24.0	0.0	
40	Pi2 BPSK	108	108	22.16	22.27	22.17	24.0	0.0	
40	Pi2 BPSK	216	0	22.27	22.33	22.16			
40	QPSK	1	1	22.45	22.63	22.58			
40	QPSK	1	108	22.40	22.53	22.36	24.0	0.0	
40	QPSK	1	214	22.41	22.49	22.49			
40	QPSK	108	0	22.45	22.47	22.43	24.0	0.0	
40	QPSK	108	54	22.14	22.49	22.14	24.0	0.0	
40	QPSK	108	108	22.18	22.26	22.25	24.0	0.0	
40	QPSK	216	0	22.14	22.26	22.17			
40	16QAM	1	1	22.50	22.51	22.50	24.0	0.0	
40	64QAM	1	1	21.63	21.64	21.58	22.5	1.5	
40	256QAM	1	1	19.26	19.30	19.17	20.5	3.5	
Channel				345000	349000	352000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	22.20	22.44	22.31	24.0	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	22.17	22.40	22.43	24.0	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	22.19	22.42	22.47	24.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	22.31	22.42	22.30	24.0	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	22.25	22.47	22.37	24.0	0.0	



n2 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000			
Frequency (MHz)				1860	1860	1860			
20	Pi/2 BPSK	1	1	22.96	23.13	23.02			
20	Pi/2 BPSK	1	53	22.77	23.06	22.89	24.0	0.0	
20	Pi/2 BPSK	1	104	22.77	23.00	22.76			
20	Pi/2 BPSK	50	0	22.83	22.83	22.79	24.0	0.0	
20	Pi/2 BPSK	50	28	22.87	22.96	22.76	24.0	0.0	
20	Pi/2 BPSK	50	56	22.71	22.92	22.77	24.0	0.0	
20	Pi/2 BPSK	100	0	22.70	22.97	22.70			
20	QPSK	1	1	22.90	23.15	22.87			
20	QPSK	1	53	22.95	23.08	22.89	24.0	0.0	
20	QPSK	1	104	22.75	22.96	22.77			
20	QPSK	50	0	22.84	22.91	22.71	24.0	0.0	
20	QPSK	50	28	22.81	22.93	22.70	24.0	0.0	
20	QPSK	50	56	22.82	22.92	22.83	24.0	0.0	
20	QPSK	100	0	22.85	22.95	22.84	24.0	0.0	
20	16QAM	1	1	22.72	22.97	22.84	24.0	0.0	
20	64QAM	1	1	22.23	22.43	22.19	23.5	0.5	
20	256QAM	1	1	19.99	20.19	19.94	21.0	3.0	
Channel				1867.5	1860	1862.5	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1860	1862.5			
15	QPSK	1	1	22.79	23.09	22.69	24.0	0.0	
Channel				375000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1860	1865			
10	QPSK	1	1	22.72	22.99	22.77	24.0	0.0	
Channel				376000	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1860	1867.5			
5	QPSK	1	1	22.74	23.00	22.86	24.0	0.0	

n5 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	Pi/2 BPSK	1	1	22.35	22.36	22.34			
20	Pi/2 BPSK	1	53	22.25	22.30	22.24	24.0	0.0	
20	Pi/2 BPSK	1	104	22.09	22.24	22.14			
20	Pi/2 BPSK	50	0	22.05	22.23	22.16	24.0	0.0	
20	Pi/2 BPSK	50	28	22.31	22.34	22.28	24.0	0.0	
20	Pi/2 BPSK	50	56	22.08	22.27	22.23	24.0	0.0	
20	Pi/2 BPSK	100	0	22.28	22.32	22.31			
20	QPSK	1	1	22.52	22.55	22.47			
20	QPSK	1	53	22.24	22.33	22.23	24.0	0.0	
20	QPSK	1	104	22.26	22.31	22.31			
20	QPSK	50	0	22.09	22.22	22.05	24.0	0.0	
20	QPSK	50	28	22.31	22.33	22.17	24.0	0.0	
20	QPSK	50	56	22.20	22.22	22.12	24.0	0.0	
20	QPSK	100	0	22.13	22.29	22.15	24.0	0.0	
20	16QAM	1	1	22.42	22.37	22.42	24.0	0.0	
20	64QAM	1	1	21.70	21.73	21.58	22.5	1.5	
20	256QAM	1	1	19.24	19.43	19.23	20.5	3.5	
Channel				1633.0	1674.0	16790.0	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.36	22.36	22.21	24.0	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				839	836.5	844			
10	QPSK	1	1	22.42	22.33	22.28	24.0	0.0	
Channel				166300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				836.5	836.5	846.5			
5	QPSK	1	1	22.41	22.25	22.29	24.0	0.0	

n66 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	Pi/2 BPSK	1	1	22.53	23.13	23.04			
40	Pi/2 BPSK	1	108	23.02	23.07	22.91	24.0	0.0	
40	Pi/2 BPSK	1	214	22.87	22.98	22.97			
40	Pi/2 BPSK	108	0	22.97	23.05	22.94	24.0	0.0	
40	Pi/2 BPSK	108	54	22.90	23.00	22.86	24.0	0.0	
40	Pi/2 BPSK	108	108	23.03	23.10	23.08	24.0	0.0	
40	Pi/2 BPSK	216	0	22.88	23.03	22.96			
40	QPSK	1	1	23.28	23.36	23.32			
40	QPSK	1	108	22.96	23.11	22.99	24.0	0.0	
40	QPSK	1	214	22.79	22.97	22.82			
40	QPSK	108	0	22.91	23.04	23.00	24.0	0.0	
40	QPSK	108	54	22.93	23.06	22.94	24.0	0.0	
40	QPSK	108	108	22.89	23.03	22.84	24.0	0.0	
40	QPSK	216	0	22.86	23.05	22.95			
40	16QAM	1	1	23.31	23.33	23.24	24.0	0.0	
40	64QAM	1	1	22.39	22.52	22.44	23.5	0.5	
40	256QAM	1	1	20.06	20.19	20.14	21.0	3.0	
Channel				343000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	23.15	23.16	23.15	24.0	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1730	1745	1760			
20	QPSK	1	1	23.02	23.20	23.08	24.0	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	23.03	23.22	23.14	24.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	23.06	23.08	23.17	24.0	0.0	
Channel				343500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	22.99	23.15	23.18	24.0	0.0	



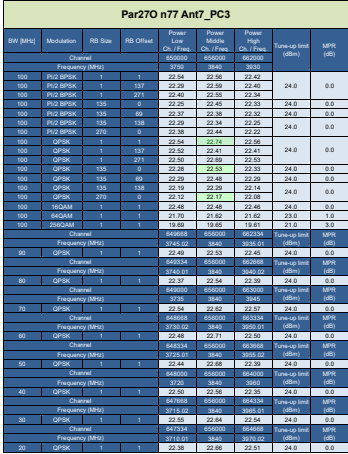
Par270 n77r12r2_Pc2							
RF [MHz]	Modulation	RF Size	RF Offset	Power [dBm]	Power Front- End Co- Losses [dB]	Power Front- End Co- Losses [dB]	MPK [dB]
Channel							
100	Frequency (MHz)	1	1	20.01	28.10	28.14	
100	QPSK	1	137	20.01	28.10	28.11	27.0
100	QPSK	137	211	20.01	28.10	28.11	27.0
100	QPSK	135	0	20.24	28.10	28.10	27.0
100	QPSK	135	68	20.24	28.10	28.10	27.0
100	QPSK	135	136	20.87	28.67	28.52	26.8
100	QPSK	200	0	20.01	28.10	28.10	27.0
100	QPSK	200	9	20.02	28.10	28.13	
100	QPSK	1	137	20.01	28.12	28.59	27.0
100	QPSK	98	211	20.01	28.12	28.59	27.0
100	QPSK	135	0	20.27	28.10	28.09	26.8
100	QPSK	135	68	20.27	28.10	28.09	26.8
100	QPSK	135	136	20.81	28.02	28.86	26.8
100	QPSK	200	0	20.01	28.10	28.10	27.0
100	QPSK	200	9	20.01	28.10	28.10	27.0
100	SQAM	1	1	21.83	23.60	23.75	25.0
100	SQAM	1	211	21.83	23.60	23.75	25.0
Channel							
90	Frequency (MHz)	1	1	19.655	28.050	19.6534	
90	QPSK	1	1	19.655	28.10	28.11	27.0
90	QPSK	1	137	19.655	28.10	28.11	27.0
90	QPSK	137	211	19.655	28.10	28.11	27.0
90	QPSK	135	0	19.891	28.10	28.09	27.0
90	QPSK	135	68	19.891	28.10	28.09	27.0
90	QPSK	135	136	20.51	28.10	28.01	27.0
90	QPSK	200	0	19.655	28.10	28.10	27.0
90	QPSK	200	9	19.655	28.10	28.10	27.0
90	SQAM	1	1	21.49	23.60	23.75	25.0
90	SQAM	1	211	21.49	23.60	23.75	25.0
Channel							
80	Frequency (MHz)	1	1	19.301	28.040	19.3002	
80	QPSK	1	1	19.301	28.10	28.09	27.0
80	QPSK	1	137	19.301	28.10	28.09	27.0
80	QPSK	137	211	19.301	28.10	28.09	27.0
80	QPSK	135	0	19.537	28.10	28.09	27.0
80	QPSK	135	68	19.537	28.10	28.09	27.0
80	QPSK	135	136	20.16	28.10	28.01	27.0
80	QPSK	200	0	19.301	28.10	28.10	27.0
80	QPSK	200	9	19.301	28.10	28.10	27.0
80	SQAM	1	1	20.95	23.10	23.25	25.0
80	SQAM	1	211	20.95	23.10	23.25	25.0
Channel							
70	Frequency (MHz)	1	1	18.947	28.030	18.9462	
70	QPSK	1	1	18.947	28.10	28.09	27.0
70	QPSK	1	137	18.947	28.10	28.09	27.0
70	QPSK	137	211	18.947	28.10	28.09	27.0
70	QPSK	135	0	19.183	28.10	28.09	27.0
70	QPSK	135	68	19.183	28.10	28.09	27.0
70	QPSK	135	136	19.81	28.10	28.01	27.0
70	QPSK	200	0	18.947	28.10	28.10	27.0
70	QPSK	200	9	18.947	28.10	28.10	27.0
70	SQAM	1	1	20.51	22.60	22.75	25.0
70	SQAM	1	211	20.51	22.60	22.75	25.0
Channel							
60	Frequency (MHz)	1	1	18.593	28.020	18.5916	
60	QPSK	1	1	18.593	28.10	28.09	27.0
60	QPSK	1	137	18.593	28.10	28.09	27.0
60	QPSK	137	211	18.593	28.10	28.09	27.0
60	QPSK	135	0	18.829	28.10	28.09	27.0
60	QPSK	135	68	18.829	28.10	28.09	27.0
60	QPSK	135	136	19.45	28.10	28.01	27.0
60	QPSK	200	0	18.593	28.10	28.10	27.0
60	QPSK	200	9	18.593	28.10	28.10	27.0
60	SQAM	1	1	20.10	22.10	22.25	25.0
60	SQAM	1	211	20.10	22.10	22.25	25.0
Channel							
50	Frequency (MHz)	1	1	18.239	28.010	18.2384	
50	QPSK	1	1	18.239	28.10	28.09	27.0
50	QPSK	1	137	18.239	28.10	28.09	27.0
50	QPSK	137	211	18.239	28.10	28.09	27.0
50	QPSK	135	0	18.475	28.10	28.09	27.0
50	QPSK	135	68	18.475	28.10	28.09	27.0
50	QPSK	135	136	19.10	28.10	28.01	27.0
50	QPSK	200	0	18.239	28.10	28.10	27.0
50	QPSK	200	9	18.239	28.10	28.10	27.0
50	SQAM	1	1	19.75	21.60	21.75	25.0
50	SQAM	1	211	19.75	21.60	21.75	25.0
Channel							
40	Frequency (MHz)	1	1	17.885	28.000	17.8848	
40	QPSK	1	1	17.885	28.10	28.09	27.0
40	QPSK	1	137	17.885	28.10	28.09	27.0
40	QPSK	137	211	17.885	28.10	28.09	27.0
40	QPSK	135	0	18.121	28.10	28.09	27.0
40	QPSK	135	68	18.121	28.10	28.09	27.0
40	QPSK	135	136	18.75	28.10	28.01	27.0
40	QPSK	200	0	17.885	28.10	28.10	27.0
40	QPSK	200	9	17.885	28.10	28.10	27.0
40	SQAM	1	1	19.40	21.10	21.25	25.0
40	SQAM	1	211	19.40	21.10	21.25	25.0
Channel							
30	Frequency (MHz)	1	1	17.531	27.990	17.5304	
30	QPSK	1	1	17.531	28.10	28.09	27.0
30	QPSK	1	137	17.531	28.10	28.09	27.0
30	QPSK	137	211	17.531	28.10	28.09	27.0
30	QPSK	135	0	17.767	28.10	28.09	27.0
30	QPSK	135	68	17.767	28.10	28.09	27.0
30	QPSK	135	136	18.40	28.10	28.01	27.0
30	QPSK	200	0	17.531	28.10	28.10	27.0
30	QPSK	200	9	17.531	28.10	28.10	27.0
30	SQAM	1	1	19.05	20.60	20.75	25.0
30	SQAM	1	211	19.05	20.60	20.75	25.0

Part2Q7 n7T_Ant_2_Pc3									
File (MHz)	Modulation	RF Size	RF Offset	Power Low (dBm)	Power Max (dBm)	Power Avg (dBm)	Power Gap (dBm)	Temp (dBm)	SNR (dB)
Channel									
Frequency (MHz)									
100	QPSK	1	1	23.15	23.15				
100	QPSK	1	137	23.05	23.05		24.0	0.0	
100	QPSK	1	211	23.05	23.05				
100	QPSK	135	0	22.85	22.85				
100	QPSK	135	136	22.85	22.85		24.0	0.0	
100	QPSK	135	136	22.74	22.74				
100	QPSK	209	0	23.25	23.25		24.0	0.0	
100	QPSK	209	137	22.85	22.85				
100	QPSK	211	0	23.05	23.05		24.0	0.0	
100	QPSK	135	0	22.87	22.87				
100	QPSK	135	136	22.87	22.87		24.0	0.0	
100	QPSK	135	136	22.82	22.82				
100	QPSK	209	0	23.25	23.25		24.0	0.0	
100	QPSK	209	137	22.85	22.85				
100	SQAM	1	0	22.21	22.21		23.0	1.0	
100	SQAM	1	250000	22.21	22.21		23.0	1.0	
Channel									
Frequency (MHz)									
95	QPSK	1	1	23.04	23.04	23.04			100%
95	QPSK	1	1	23.04	23.19	22.98	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.57	23.14	23.50			100%
80	QPSK	1	1	23.57	23.14	22.99	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	23.00	23.00	23.00			100%
70	QPSK	1	1	23.00	23.14	22.98	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.16	23.16	23.16			100%
60	QPSK	1	1	23.16	23.16	23.16			100%
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.15	23.15	23.15			100%
50	QPSK	1	1	23.15	23.15	22.97	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.05	23.04	23.04			100%
40	QPSK	1	1	23.05	23.05	23.05			100%
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.15	23.17	22.93	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.04	23.13	22.98	24.0	0.0	

Part2Q70 n77_Ant 2_Pc2									
File Path	Modulation	Channel	RF Band	Power Low / High	Power Max / Min	Power Max / Min	Power Max / Min	Power Max / Min	Power Max / Min
File Path	Modulation	Channel	RF Band	Power Low / High	Power Max / Min	Power Max / Min	Power Max / Min	Power Max / Min	Power Max / Min
Frequency (MHz)									
100	QPSK	1	1	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	1	137	20.14	20.14	20.14	20.14	20.14	20.14
100	QPSK	1	211	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	135	0	20.50	20.50	20.50	20.50	20.50	20.50
100	QPSK	135	136	20.49	20.49	20.49	20.49	20.49	20.49
100	QPSK	209	0	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	209	137	20.14	20.14	20.14	20.14	20.14	20.14
100	QPSK	211	0	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	135	0	20.50	20.50	20.50	20.50	20.50	20.50
100	QPSK	135	136	20.49	20.49	20.49	20.49	20.49	20.49
100	QPSK	209	0	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	209	137	20.14	20.14	20.14	20.14	20.14	20.14
100	QPSK	211	0	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	136	20.49	20.49	20.49	20.49	20.49	20.49
100	QPSK	211	209	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	210	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	211	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	212	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	213	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	214	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	215	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	216	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	217	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	218	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	219	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	220	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	221	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	222	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	223	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	224	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	225	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	226	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	227	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	228	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	229	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	230	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	231	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	232	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	233	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	234	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	235	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	236	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	237	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	238	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	239	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	240	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	241	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	242	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	243	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	244	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	245	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	246	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	247	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	248	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	249	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	250	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	251	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	252	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	253	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	254	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	255	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	256	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	257	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	258	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	259	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	260	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	261	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	262	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	263	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	264	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	265	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	266	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	267	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	268	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	269	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	270	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	271	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	272	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	273	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	274	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	275	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	276	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	277	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	278	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	279	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	280	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	281	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	282	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	283	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	284	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	285	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	286	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	287	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	288	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	289	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	290	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	291	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	292	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	293	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	294	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	295	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	296	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	297	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	298	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	299	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	300	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	301	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	302	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	303	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	304	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	305	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	306	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	307	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	308	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	309	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	310	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	311	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	312	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	313	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	314	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	315	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	316	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	317	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	318	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	319	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	320	20.15	20.15	20.15	20.15	20.15	20.15
100	QPSK	211	321	20.15	20.15	20.15	20.15	20.15	20.15</

Part27O n78 Ant2_PC3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Max Ch. (Frac.)	Power High Ch. (Frac.)	Turn-up time (dBm)	MPN (dB)
Channel								
Frequency (MHz)								
100	P12-BPSK	1	1		22.79			
100	P12-BPSK	1	137		22.89		24.0	0.0
100	P12-BPSK	1	271		22.84			
100	P12-BPSK	135	0		22.39		23.5	0.5
100	P12-BPSK	135	66		22.16		24.0	0.0
100	P12-BPSK	135	136		22.34		23.5	0.5
100	P12-BPSK	270	0		22.33			
100	QPSK	1	1		22.02			
100	QPSK	1	137		22.87		24.0	0.0
100	QPSK	1	271		22.83			
100	QPSK	135	0		21.83		23.0	1.0
100	QPSK	135	66		22.26		24.0	0.0
100	QPSK	135	136		21.84		23.0	1.0
100	QPSK	270	0		21.78			
100	16QAM	1	1		22.14		23.0	1.0
100	16QAM	1	1		20.54		21.5	2.5
100	16QAM	1	1		16.26		16.5	4.5
Channel								
Frequency (MHz)								
50	QPSK	1	1		22.59		24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1		22.52		22.74	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1		22.55		22.85	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1		22.53		22.83	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1		22.73		22.82	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1		22.51		22.72	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1		22.42		22.68	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1		22.52		22.76	0.0

Part27Q n78_Ant 2_PC3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Max Ch. (Frac.)	Power High Ch. (Frac.)	Turn-up time (dBm)	MPN (dB)
Channel								
Frequency (MHz)								
100	P12-BPSK	1	1		22.87			
100	P12-BPSK	1	137		22.79		24.0	0.0
100	P12-BPSK	1	271		22.74			
100	P12-BPSK	135	0		22.27		23.5	0.5
100	P12-BPSK	135	66		22.16		24.0	0.0
100	P12-BPSK	135	136		22.32		23.5	0.5
100	P12-BPSK	270	0		22.16			
100	QPSK	1	1		22.02			
100	QPSK	1	137		22.78		24.0	0.0
100	QPSK	1	271		22.85			
100	QPSK	135	0		21.89		23.0	1.0
100	QPSK	135	66		22.26		24.0	0.0
100	QPSK	135	136		21.77		23.0	1.0
100	QPSK	270	0		21.78			
100	16QAM	1	1		22.11		23.0	1.0
100	16QAM	1	1		20.54		21.5	2.5
100	16QAM	1	1		16.13		16.5	4.5
Channel								
Frequency (MHz)								
50	QPSK	1	1		22.59		22.85	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1		22.69		22.71	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1		22.65		22.66	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1		22.59		22.58	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1		22.82		22.68	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1		22.69		22.68	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1		22.43		22.63	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1		22.65		22.57	0.0

[illegible]

Part270 n77_Ant_1_PDC3									
Bin [MHz]	Modulation	Channel	RF Offset	Power Low Cut [dBm]	Power High Cut [dBm]	Power Avg. Freq. [dB]	Interpol. gain [dB]	MFR [dB]	
B33334									
-1000	PSK256QAM	1	137	-22.35	-22.35	-22.35	24.0	0.0	
-1000	PSK256QAM	1	137	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	138	91	-22.35	-22.35	-22.35	24.0	0.0	
-1000	PSK256QAM	138	91	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	139	100	-22.35	-22.35	-22.35	24.0	0.0	
-1000	PSK256QAM	139	100	-22.48	-22.48	-22.48	24.0	0.0	
-1000	PSK256QAM	219	0	-22.35	-22.35	-22.35	24.0	0.0	
-1000	PSK256QAM	219	0	-22.48	-22.48	-22.48	24.0	0.0	
-1000	QPSK	1	137	-22.43	-22.43	-22.43	24.0	0.0	
-1000	QPSK	1	137	-22.55	-22.55	-22.55	24.0	0.0	
-1000	QPSK	138	91	-22.43	-22.43	-22.43	24.0	0.0	
-1000	QPSK	138	91	-22.55	-22.55	-22.55	24.0	0.0	
-1000	QPSK	139	100	-22.43	-22.43	-22.43	24.0	0.0	
-1000	QPSK	139	100	-22.55	-22.55	-22.55	24.0	0.0	
-1000	QPSK	219	0	-22.43	-22.43	-22.43	24.0	0.0	
-1000	QPSK	219	0	-22.55	-22.55	-22.55	24.0	0.0	
-1000	QPSK44	1	1	-21.81	-21.81	-21.81	25.0	1.0	
-1000	QPSK44	1	1	-21.93	-21.93	-21.93	25.0	1.0	
Channel									
-1000	QPSK44	B33334	B33334	-21.81	-21.81	-21.81	24.0	0.0	MFR
-1000	QPSK44	B33334	B33334	-21.93	-21.93	-21.93	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-22.48	-22.48	-22.51	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-22.56	-22.56	-22.59	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-22.64	-22.64	-22.67	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-22.72	-22.72	-22.75	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-22.80	-22.80	-22.83	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-22.88	-22.88	-22.91	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-22.96	-22.96	-22.99	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-23.04	-23.04	-23.07	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-23.12	-23.12	-23.15	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-23.20	-23.20	-23.23	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-23.28	-23.28	-23.31	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-23.36	-23.36	-23.39	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-23.44	-23.44	-23.47	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-23.52	-23.52	-23.55	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-23.60	-23.60	-23.63	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-23.68	-23.68	-23.71	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-23.76	-23.76	-23.79	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-23.84	-23.84	-23.87	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-23.92	-23.92	-23.95	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-24.00	-24.00	-24.03	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-24.08	-24.08	-24.11	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-24.16	-24.16	-24.19	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-24.24	-24.24	-24.27	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-24.32	-24.32	-24.35	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-24.40	-24.40	-24.43	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-24.48	-24.48	-24.51	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-24.56	-24.56	-24.59	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-24.64	-24.64	-24.67	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-24.72	-24.72	-24.75	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-24.80	-24.80	-24.83	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-24.88	-24.88	-24.91	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-24.96	-24.96	-24.99	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-25.04	-25.04	-25.07	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-25.12	-25.12	-25.15	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-25.20	-25.20	-25.23	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-25.28	-25.28	-25.31	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-25.36	-25.36	-25.39	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-25.44	-25.44	-25.47	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-25.52	-25.52	-25.55	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-25.60	-25.60	-25.63	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-25.68	-25.68	-25.71	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-25.76	-25.76	-25.79	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-25.84	-25.84	-25.87	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-25.92	-25.92	-25.95	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-26.00	-26.00	-26.03	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-26.08	-26.08	-26.11	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-26.16	-26.16	-26.19	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-26.24	-26.24	-26.27	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-26.32	-26.32	-26.35	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-26.40	-26.40	-26.43	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-26.48	-26.48	-26.51	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-26.56	-26.56	-26.59	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-26.64	-26.64	-26.67	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-26.72	-26.72	-26.75	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-26.80	-26.80	-26.83	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-26.88	-26.88	-26.91	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-26.96	-26.96	-26.99	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-27.04	-27.04	-27.07	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-27.12	-27.12	-27.15	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-27.20	-27.20	-27.23	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-27.28	-27.28	-27.31	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-27.36	-27.36	-27.39	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-27.44	-27.44	-27.47	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-27.52	-27.52	-27.55	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-27.60	-27.60	-27.63	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-27.68	-27.68	-27.71	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-27.76	-27.76	-27.79	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-27.84	-27.84	-27.87	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-27.92	-27.92	-27.95	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-28.00	-28.00	-28.03	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-28.08	-28.08	-28.11	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-28.16	-28.16	-28.19	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-28.24	-28.24	-28.27	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-28.32	-28.32	-28.35	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-28.40	-28.40	-28.43	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-28.48	-28.48	-28.51	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-28.56	-28.56	-28.59	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-28.64	-28.64	-28.67	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-28.72	-28.72	-28.75	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-28.80	-28.80	-28.83	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-28.88	-28.88	-28.91	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-28.96	-28.96	-28.99	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-29.04	-29.04	-29.07	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-29.12	-29.12	-29.15	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-29.20	-29.20	-29.23	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-29.28	-29.28	-29.31	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-29.36	-29.36	-29.39	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-29.44	-29.44	-29.47	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-29.52	-29.52	-29.55	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-29.60	-29.60	-29.63	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-29.68	-29.68	-29.71	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-29.76	-29.76	-29.79	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-29.84	-29.84	-29.87	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-29.92	-29.92	-29.95	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-30.00	-30.00	-30.03	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-30.08	-30.08	-30.11	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-30.16	-30.16	-30.19	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-30.24	-30.24	-30.27	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-30.32	-30.32	-30.35	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-30.40	-30.40	-30.43	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-30.48	-30.48	-30.51	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-30.56	-30.56	-30.59	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-30.64	-30.64	-30.67	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-30.72	-30.72	-30.75	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-30.80	-30.80	-30.83	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-30.88	-30.88	-30.91	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-30.96	-30.96	-30.99	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-31.04	-31.04	-31.07	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-31.12	-31.12	-31.15	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-31.20	-31.20	-31.23	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-31.28	-31.28	-31.31	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-31.36	-31.36	-31.39	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-31.44	-31.44	-31.47	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-31.52	-31.52	-31.55	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-31.60	-31.60	-31.63	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-31.68	-31.68	-31.71	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-31.76	-31.76	-31.79	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-31.84	-31.84	-31.87	24.0	0.0	MFR
-1000	QPSK44	Channel	Channel	-31.92	-31.92	-31.95			

[illegible]

Part27O n78 Ant7_PC3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (mW)	Power Middle Ch. 1 (mW)	Power High Ch. 1 (mW)	Time-up time (min)	MPS (dB)	
Channel									
Frequency (MHz)									
100	PV2 BPSK	1	1	22.05	22.05	22.05			
100	PV2 BPSK	1	157	22.09	22.09	22.09	24.0	0.0	
100	PV2 BPSK	1	293	22.01	22.01	22.01			
100	PV2 BPSK	158	0	22.43	22.43	22.43	23.0	0.0	
100	PV2 BPSK	158	40	21.80	21.80	21.80	24.0	0.0	
100	PV2 BPSK	158	158	22.04	22.04	22.04			
100	PV2 BPSK	270	0	22.16	22.16	22.16	23.0	0.0	
100	QPSK	1	1	22.12	22.12	22.12			
100	QPSK	1	157	22.05	22.05	22.05	24.0	0.0	
100	QPSK	1	293	22.07	22.07	22.07			
100	QPSK	158	0	21.74	21.74	21.74	23.0	1.0	
100	QPSK	158	40	21.82	21.82	21.82	24.0	0.0	
100	QPSK	158	158	21.08	21.08	21.08	23.0	1.0	
100	QPSK	270	0	21.05	21.05	21.05	23.0	1.0	
100	16QAM	1	1	21.97	21.97	21.97	23.0	1.0	
100	64QAM	1	1	20.39	20.39	20.39	21.0	2.0	
100	256QAM	1	1	18.28	18.28	18.28	19.0	4.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	22.35	22.35	22.35	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.47	22.07	22.51	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.44	22.30	22.69	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	22.53	22.61	22.48	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.38	22.54	22.66	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.48	22.63	22.48	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.59	22.62	22.58	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.49	22.56	22.50	24.0	0.0	

Part27Q n78_FCC Ant 7_PC3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 (mW)	Power Middle Ch.1 (mW)	Power High Ch.1 (mW)	Time-up time (min)	MPS (dB)	
Channel									
Frequency (MHz)									
100	PV2 BPSK	1	1	22.01	22.01	22.01			
100	PV2 BPSK	1	157	22.38	22.38	22.38	24.0	0.0	
100	PV2 BPSK	1	293	22.57	22.57	22.57			
100	PV2 BPSK	158	0	22.48	22.48	22.48	23.0	0.0	
100	PV2 BPSK	158	40	22.41	22.41	22.41	24.0	0.0	
100	PV2 BPSK	158	158	21.87	21.87	21.87	23.0	0.0	
100	PV2 BPSK	270	0	22.14	22.14	22.14	23.0	0.0	
100	QPSK	1	1	22.07	22.07	22.07			
100	QPSK	1	157	22.51	22.51	22.51	24.0	0.0	
100	QPSK	1	293	22.47	22.47	22.47			
100	QPSK	158	0	22.83	22.83	22.83	23.0	1.0	
100	QPSK	158	40	22.86	22.86	22.86	24.0	0.0	
100	QPSK	158	158	21.30	21.30	21.30	23.0	1.0	
100	QPSK	270	0	21.30	21.30	21.30	23.0	1.0	
100	16QAM	1	1	21.88	21.88	21.88	21.0	2.0	
100	64QAM	1	1	20.29	20.29	20.29	21.0	2.0	
100	256QAM	1	1	18.06	18.06	18.06	19.0	4.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	22.40	22.37	22.40	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.46	22.40	22.51	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.42	22.56	22.51	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	22.44	22.53	22.40	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.45	22.54	22.57	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.47	22.52	22.48	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.44	22.54	22.51	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.54	22.50	22.50	24.0	0.0	



Reduced Power Level for 5G NR

n2 Ant0 DSI2 Standalone&Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000			
Frequency (MHz)				1860	1880	1900			
20	Pl2 BPSK	1	1	22.15	22.24	22.17			
20	Pl2 BPSK	1	53	22.27	22.33	22.26	24.0	0.0	
20	Pl2 BPSK	1	104	22.19	22.26	22.24			
20	Pl2 BPSK	50	0	22.18	22.33	22.25	24.0	0.0	
20	Pl2 BPSK	50	28	22.13	22.31	22.30	24.0	0.0	
20	Pl2 BPSK	50	56	22.19	22.26	22.07			
20	Pl2 BPSK	100	0	22.13	22.22	22.13	24.0	0.0	
20	QPSK	1	1	22.53	22.55	22.38			
20	QPSK	1	53	22.05	22.19	22.05	24.0	0.0	
20	QPSK	1	104	22.25	22.34	22.20			
20	QPSK	50	0	22.15	22.23	22.17	24.0	0.0	
20	QPSK	50	28	22.21	22.41	22.25	24.0	0.0	
20	QPSK	50	56	22.17	22.35	22.29	24.0	0.0	
20	QPSK	100	0	22.21	22.37	22.29	24.0	0.0	
20	16QAM	1	1	22.40	22.47	22.41	24.0	0.0	
20	64QAM	1	1	21.37	21.48	21.31	22.5	1.5	
20	256QAM	1	1	19.23	19.26	19.23	20.5	3.5	
Channel				187.5	1880	1902.5	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1880	1902.5	24.0	0.0	
15	QPSK	1	1	22.23	22.43	22.24	24.0	0.0	
Channel				375000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1905	24.0	0.0	
10	QPSK	1	1	22.42	22.41	22.17	24.0	0.0	
Channel				379500	379000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1875.5	1880	1877.5	24.0	0.0	
5	QPSK	1	1	22.25	22.35	22.16	24.0	0.0	

n5 Ant0 DSI2 Standalone&Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				168800	167300	167900			
Frequency (MHz)				834	836.5	835			
20	Pl2 BPSK	1	1	22.62	22.88	22.65			
20	Pl2 BPSK	1	53	22.62	22.63	22.54	24.0	0.0	
20	Pl2 BPSK	1	104	22.46	22.60	22.41			
20	Pl2 BPSK	50	0	22.50	22.55	22.45	24.0	0.0	
20	Pl2 BPSK	50	28	22.64	22.67	22.55	24.0	0.0	
20	Pl2 BPSK	50	56	22.50	22.56	22.41			
20	Pl2 BPSK	100	0	22.45	22.54	22.60	24.0	0.0	
20	QPSK	1	1	22.63	22.75	22.67			
20	QPSK	1	53	22.42	22.62	22.44	24.0	0.0	
20	QPSK	1	104	22.47	22.60	22.59			
20	QPSK	50	0	22.49	22.58	22.41	24.0	0.0	
20	QPSK	50	28	22.62	22.65	22.63	24.0	0.0	
20	QPSK	50	56	22.50	22.57	22.43	24.0	0.0	
20	QPSK	100	0	22.43	22.62	22.42	24.0	0.0	
20	16QAM	1	1	22.59	22.61	22.52	24.0	0.0	
20	64QAM	1	1	21.73	21.91	21.72	22.5	1.5	
20	256QAM	1	1	19.64	19.69	19.52	20.5	3.5	
Channel				1670.0	1673.5	1677.0	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5	24.0	0.0	
15	QPSK	1	1	22.48	22.54	22.39	24.0	0.0	
Channel				165800	167300	166800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				830	836.5	844	24.0	0.0	
10	QPSK	1	1	22.46	22.51	22.47	24.0	0.0	
Channel				165300	167300	166300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				828.5	836.5	843.5	24.0	0.0	
5	QPSK	1	1	22.50	22.45	22.42	24.0	0.0	

n66 Ant0 DSI2 Standalone&Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				349000	349000	350000			
Frequency (MHz)				1745	1745	1760			
40	Pl2 BPSK	1	1	22.20	22.33	22.28			
40	Pl2 BPSK	1	108	22.16	22.34	22.19	24.0	0.0	
40	Pl2 BPSK	1	214	22.16	22.35	22.17			
40	Pl2 BPSK	108	0	22.09	22.28	22.25	24.0	0.0	
40	Pl2 BPSK	108	54	22.06	22.25	22.08	24.0	0.0	
40	Pl2 BPSK	108	108	22.16	22.27	22.17			
40	Pl2 BPSK	216	0	22.27	22.33	22.16	24.0	0.0	
40	QPSK	1	1	22.45	22.63	22.58			
40	QPSK	1	108	22.40	22.53	22.36	24.0	0.0	
40	QPSK	1	214	22.41	22.49	22.49			
40	QPSK	108	0	22.45	22.47	22.43	24.0	0.0	
40	QPSK	108	54	22.14	22.49	22.14	24.0	0.0	
40	QPSK	108	108	22.18	22.26	22.25	24.0	0.0	
40	QPSK	216	0	22.14	22.26	22.17	24.0	0.0	
40	16QAM	1	1	22.50	22.51	22.50	24.0	0.0	
40	64QAM	1	1	21.63	21.64	21.58	22.5	1.5	
40	256QAM	1	1	19.25	19.30	19.17	20.5	3.5	
Channel				349000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1745	1745	1765	24.0	0.0	
30	QPSK	1	1	22.20	22.44	22.31	24.0	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770	24.0	0.0	
20	QPSK	1	1	22.17	22.40	22.43	24.0	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	24.0	0.0	
15	QPSK	1	1	22.19	22.42	22.47	24.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	24.0	0.0	
10	QPSK	1	1	22.31	22.42	22.30	24.0	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	24.0	0.0	
5	QPSK	1	1	22.25	22.47	22.37	24.0	0.0	



n2 Ant1 DSI2 Standalone

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000	17.8	0.0
Frequency (MHz)				1860	1860	1900		
20	Pl2 BPSK	1	1	16.15	16.23	16.16	17.8	0.0
20	Pl2 BPSK	1	53	16.26	16.28	16.23		
20	Pl2 BPSK	1	104	16.17	16.25	16.13		
20	Pl2 BPSK	50	0	16.18	16.29	16.18	17.8	0.0
20	Pl2 BPSK	50	26	16.22	16.26	16.19	17.8	0.0
20	Pl2 BPSK	50	56	16.15	16.25	16.18	17.8	0.0
20	Pl2 BPSK	100	0	16.19	16.27	16.17		
20	QPSK	1	1	16.29	16.37	16.31	17.8	0.0
20	QPSK	1	53	16.25	16.31	16.34		
20	QPSK	1	104	16.24	16.29	16.24		
20	QPSK	50	0	16.20	16.28	16.24	17.8	0.0
20	QPSK	50	26	16.22	16.31	16.24	17.8	0.0
20	QPSK	50	56	16.18	16.24	16.21	17.8	0.0
20	QPSK	100	0	16.12	16.25	16.16		
20	16QAM	1	1	16.12	16.24	16.19	17.8	0.0
20	64QAM	1	1	16.25	16.34	16.21	17.8	0.0
20	256QAM	1	1	16.11	16.23	16.17	17.8	0.0
Channel				371800	376000	380600	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				1857.5	1860	1862.5		
15	QPSK	1	1	16.23	16.30	16.17	17.8	0.0
Channel				371500	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1860	1905		
10	QPSK	1	1	16.21	16.31	16.22	17.8	0.0
Channel				372000	376000	381500	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				1862.5	1860	1867.5		
5	QPSK	1	1	16.21	16.28	16.28	17.8	0.0

n5 Ant1 DSI2 Standalone

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	23.5	0.0
Frequency (MHz)				834	836.5	839		
20	Pl2 BPSK	1	1	22.35	22.36	22.34	23.5	0.0
20	Pl2 BPSK	1	53	22.25	22.30	22.24		
20	Pl2 BPSK	1	104	22.09	22.24	22.14		
20	Pl2 BPSK	50	0	22.05	22.23	22.16	23.5	0.0
20	Pl2 BPSK	50	26	22.31	22.34	22.28	23.5	0.0
20	Pl2 BPSK	50	56	22.08	22.27	22.23	23.5	0.0
20	Pl2 BPSK	100	0	22.28	22.32	22.31		
20	QPSK	1	1	22.52	22.55	22.47	23.5	0.0
20	QPSK	1	53	22.24	22.33	22.23		
20	QPSK	1	104	22.26	22.31	22.31		
20	QPSK	50	0	22.09	22.22	22.05	23.5	0.0
20	QPSK	50	26	22.31	22.35	22.17	23.5	0.0
20	QPSK	50	56	22.20	22.22	22.12	23.5	0.0
20	QPSK	100	0	22.13	22.25	22.15		
20	16QAM	1	1	22.42	22.37	22.42	23.5	0.0
20	64QAM	1	1	21.70	21.73	21.58	22.5	1.0
20	256QAM	1	1	19.24	19.43	19.23	20.5	3.0
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.36	22.36	22.21	23.5	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.42	22.33	22.28	23.5	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				808.5	836.5	846.5		
5	QPSK	1	1	22.41	22.25	22.29	23.5	0.0

n66 Ant1 DSI2 Standalone

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel				346000	348000	350000	17.5	0.0
Frequency (MHz)				1730	1745	1760		
40	Pl2 BPSK	1	1	16.25	16.32	16.33	17.5	0.0
40	Pl2 BPSK	1	108	16.26	16.37	16.30		
40	Pl2 BPSK	1	214	16.19	16.34	16.32		
40	Pl2 BPSK	108	0	16.16	16.53	16.30	17.5	0.0
40	Pl2 BPSK	108	54	16.21	16.36	16.20	17.5	0.0
40	Pl2 BPSK	108	108	16.15	16.29	16.20	17.5	0.0
40	Pl2 BPSK	216	0	16.21	16.31	16.29		
40	QPSK	1	1	16.36	16.53	16.43	17.5	0.0
40	QPSK	1	108	16.24	16.34	16.25		
40	QPSK	1	214	16.12	16.30	16.24		
40	QPSK	108	0	16.22	16.32	16.19	17.5	0.0
40	QPSK	108	54	16.16	16.50	16.22	17.5	0.0
40	QPSK	108	108	16.25	16.30	16.27	17.5	0.0
40	QPSK	216	0	16.20	16.29	16.19		
40	16QAM	1	1	16.19	16.32	16.28	17.5	0.0
40	64QAM	1	1	16.37	16.47	16.57	17.5	0.0
40	256QAM	1	1	16.23	16.37	16.33	17.5	0.0
Channel				346000	348000	350000	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	16.29	16.44	16.38	17.5	0.0
Channel				345000	348000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	16.26	16.49	16.32	17.5	0.0
Channel				345000	348000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	16.28	16.42	16.35	17.5	0.0
Channel				343000	348000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	16.26	16.49	16.38	17.5	0.0
Channel				342500	348000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	16.24	16.44	16.31	17.5	0.0



n2 Ant1 DS12 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				372000	376000	380000	16.5	0.0	
Frequency (MHz)				1860	1880	1900			
20	PQ2 BPSK	1	1	15.32	15.34	15.30	16.5	0.0	
20	PQ2 BPSK	1	53	15.24	15.29	15.24			
20	PQ2 BPSK	1	104	15.21	15.32	15.16			
20	PQ2 BPSK	50	0	15.15	15.26	15.23			
20	PQ2 BPSK	50	28	15.16	15.29	15.11	16.5	0.0	
20	PQ2 BPSK	50	56	15.23	15.27	15.15	16.5	0.0	
20	PQ2 BPSK	100	0	15.20	15.23	15.21			
20	QPSK	1	1	15.37	15.46	15.34	16.5	0.0	
20	QPSK	1	53	15.16	15.27	15.22			
20	QPSK	1	104	15.18	15.25	15.19			
20	QPSK	50	0	15.25	15.29	15.20		16.5	
20	QPSK	50	28	15.12	15.31	15.10	16.5	0.0	
20	QPSK	50	56	15.20	15.26	15.14	16.5	0.0	
20	QPSK	100	0	15.11	15.29	15.18			
20	16QAM	1	1	15.38	15.44	15.39	16.5	0.0	
20	64QAM	1	1	15.25	15.37	15.28	16.5	0.0	
20	256QAM	1	1	15.26	15.33	15.20	16.5	0.0	
Channel				371500	376000	380500	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1857.5	1880	1902.5	16.5 <td colspan="2">0.0</td>	0.0	
15	QPSK	1	1	15.20	15.35	15.24	16.5	0.0	
Channel				371000	376000	381000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1865	1880	1905	16.5 <td colspan="2">0.0</td>	0.0	
10	QPSK	1	1	15.34	15.38	15.18	16.5	0.0	
Channel				370500	376000	381500	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1862.5	1880	1907.5	16.5 <td colspan="2">0.0</td>	0.0	
5	QPSK	1	1	15.34	15.33	15.22	16.5	0.0	

n5 Ant1 DS12 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				166800	167300	167800	22.2	0.0	
Frequency (MHz)				834	836.5	839			
20	PQ2 BPSK	1	1	21.13	21.27	21.20	22.2	0.0	
20	PQ2 BPSK	1	53	21.01	21.15	21.06			
20	PQ2 BPSK	1	104	21.15	21.18	21.03			
20	PQ2 BPSK	50	0	21.04	21.19	21.07		22.2 0.0	
20	PQ2 BPSK	50	28	21.12	21.25	21.22	22.2	0.0	
20	PQ2 BPSK	50	56	21.19	21.28	21.16	22.2	0.0	
20	PQ2 BPSK	100	0	21.20	21.23	21.15			
20	QPSK	1	1	21.27	21.34	21.25	22.2	0.0	
20	QPSK	1	53	21.05	21.22	21.19			
20	QPSK	1	104	21.13	21.25	21.21			
20	QPSK	50	0	21.17	21.22	21.12		22.2 0.0	
20	QPSK	50	28	21.20	21.29	21.20	22.2	0.0	
20	QPSK	50	56	21.16	21.23	21.15	22.2	0.0	
20	QPSK	100	0	21.11	21.24	21.10			
20	16QAM	1	1	21.25	21.28	21.11	22.2	0.0	
20	64QAM	1	1	21.23	21.31	21.16	22.2	0.0	
20	256QAM	1	1	19.68	19.84	19.69	20.5	1.7	
Channel				166300	167300	168300	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				831.5	836.5	841.5	22.2	0.0	
15	QPSK	1	1	21.20	21.26	21.18	22.2	0.0	
Channel				165800	167300	168300	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				829	836.5	844	22.2	0.0	
10	QPSK	1	1	21.24	21.32	21.16	22.2	0.0	
Channel				165300	167300	168300	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				826.5	836.5	846.5	22.2	0.0	
5	QPSK	1	1	21.11	21.26	21.17	22.2	0.0	

n66 Ant1 DS12 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000	16.2	0.0	
Frequency (MHz)				1730	1745	1760			
40	PV2 BPSK	1	1	14.69	14.85	14.77	16.2	0.0	
40	PV2 BPSK	1	108	14.76	14.87	14.82			
40	PV2 BPSK	1	214	14.77	14.82	14.74			
40	PV2 BPSK	108	0	14.75	14.84	14.68		16.2	
40	PV2 BPSK	108	54	14.73	14.89	14.74	16.2	0.0	
40	PV2 BPSK	108	108	14.88	14.93	14.80	16.2	0.0	
40	PV2 BPSK	216	0	14.78	14.87	14.74			
40	QPSK	1	1	14.96	15.06	14.97	16.2	0.0	
40	QPSK	1	108	14.87	14.94	14.80			
40	QPSK	1	214	14.72	14.85	14.71			
40	QPSK	108	0	14.66	14.81	14.64		16.2	
40	QPSK	108	54	14.79	14.94	14.79	16.2	0.0	
40	QPSK	108	108	14.84	14.86	14.83	16.2	0.0	
40	QPSK	216	0	14.87	14.89	14.80			
40	16QAM	1	1	14.65	14.83	14.74	16.2	0.0	
40	64QAM	1	1	14.86	14.97	14.84	16.2	0.0	
40	256QAM	1	1	14.84	14.93	14.82	16.2	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765	16.2	0.0	
30	QPSK	1	1	14.75	14.76	14.57	16.2	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770	16.2	0.0	
20	QPSK	1	1	14.75	14.80	14.65	16.2	0.0	
Channel				343000	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	16.2	0.0	
15	QPSK	1	1	14.65	14.69	14.68	16.2	0.0	
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	16.2	0.0	
10	QPSK	1	1	14.64	14.71	14.68	16.2	0.0	
Channel				341000	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	16.2	0.0	
5	QPSK	1	1	14.69	14.78	14.58	16.2	0.0	

Par270 n77 Ant2_PC3 DSi2 Standalone							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Media Ch.1 Freq.	Power High Ch.1 Freq.	Time-up time (dBm)
Channel							
Frequency (MHz)							
100	PI2 BPSK	1	1	19.92	19.93	19.98	
100	PI2 BPSK	1	137	19.76	19.87	19.76	20.6 0.0
100	PI2 BPSK	1	271	19.72	19.83	19.83	
100	PI2 BPSK	135	0	19.94	19.76	19.70	20.6 0.0
100	PI2 BPSK	135	66	19.76	19.69	19.64	20.6 0.0
100	PI2 BPSK	135	138	19.88	19.79	19.76	20.6 0.0
100	PI2 BPSK	270	0	19.72	19.71	19.66	
100	QPSK	1	1	19.97	19.95	19.98	
100	QPSK	1	137	19.82	19.85	19.77	20.6 0.0
100	QPSK	1	271	19.84	19.83	19.86	
100	QPSK	135	0	19.98	19.73	19.72	20.6 0.0
100	QPSK	135	66	19.84	19.66	19.72	20.6 0.0
100	QPSK	135	138	19.98	19.87	19.65	20.6 0.0
100	QPSK	270	0	19.82	19.89	19.66	
100	16QAM	1	1	19.94	19.94	19.99	20.6 0.0
100	16QAM	1	1	19.82	19.88	19.74	20.6 0.0
100	256QAM	1	1	19.92	19.93	19.73	20.6 0.0
Channel							
30	QPSK	1	1	19.47	19.82	19.47	20.6 0.0
Channel							
30	QPSK	1	1	19.43	19.36	19.42	20.6 0.0
Channel							
30	QPSK	1	1	19.33	19.36	19.42	20.6 0.0
Channel							
70	QPSK	1	1	19.49	19.85	19.37	20.6 0.0
Channel							
80	QPSK	1	1	19.42	19.88	19.49	20.6 0.0
Channel							
80	QPSK	1	1	19.37	19.85	19.43	20.6 0.0
Channel							
80	QPSK	1	1	19.39	19.84	19.47	20.6 0.0
Channel							
30	QPSK	1	1	19.41	19.82	19.41	20.6 0.0
Channel							
20	QPSK	1	1	19.41	19.82	19.41	20.6 0.0

Par270 n77 Ant2_PC2 DSi2 Standalone							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Media Ch.1 Freq.	Power High Ch.1 Freq.	Time-up time (dBm)
Channel							
Frequency (MHz)							
100	PI2 BPSK	1	1	22.08	22.38	22.39	
100	PI2 BPSK	1	137	22.33	22.38	22.29	23.6 0.0
100	PI2 BPSK	1	271	22.35	22.47	22.50	
100	PI2 BPSK	135	0	22.80	22.71	22.60	23.6 0.0
100	PI2 BPSK	135	66	22.32	22.46	22.46	23.6 0.0
100	PI2 BPSK	135	138	22.21	22.46	22.19	23.6 0.0
100	PI2 BPSK	270	0	22.26	22.52	22.34	23.6 0.0
100	QPSK	1	1	22.43	22.55	22.46	
100	QPSK	1	137	22.48	22.46	22.44	23.6 0.0
100	QPSK	1	271	22.36	22.36	22.39	
100	QPSK	135	0	22.33	22.36	22.33	23.6 0.0
100	QPSK	135	66	22.36	22.36	22.36	23.6 0.0
100	QPSK	135	138	22.25	22.36	22.34	23.6 0.0
100	QPSK	270	0	22.48	22.61	22.58	23.6 0.0
100	16QAM	1	1	22.64	22.66	22.66	23.6 0.0
100	16QAM	1	1	22.42	22.46	22.35	23.6 0.0
100	256QAM	1	1	22.52	22.66	22.46	23.6 0.0
Channel							
80	QPSK	1	1	22.05	22.34	22.32	23.6 0.0
Channel							
80	QPSK	1	1	22.81	22.80	22.89	23.6 0.0
Channel							
70	QPSK	1	1	22.79	22.80	22.80	23.6 0.0
Channel							
80	QPSK	1	1	22.77	22.80	22.87	23.6 0.0
Channel							
80	QPSK	1	1	22.74	22.87	22.84	23.6 0.0
Channel							
80	QPSK	1	1	22.82	22.85	22.87	23.6 0.0
Channel							
30	QPSK	1	1	22.87	22.84	22.73	23.6 0.0
Channel							
20	QPSK	1	1	22.82	22.79	22.66	23.6 0.0

Part27Q n77_Ant 2_PC3 DSi2 Standalone							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Media Ch.1 Freq.	Power High Ch.1 Freq.	Time-up time (dBm)
Channel							
Frequency (MHz)							
100	PI2 BPSK	1	1	20.84	20.87	20.87	
100	PI2 BPSK	1	137	20.78	20.78	20.78	20.6 0.0
100	PI2 BPSK	1	271	20.76	20.76	20.76	
100	PI2 BPSK	135	0	20.89	20.89	20.89	20.6 0.0
100	PI2 BPSK	135	66	20.89	20.89	20.89	20.6 0.0
100	PI2 BPSK	135	138	20.74	20.74	20.74	20.6 0.0
100	PI2 BPSK	270	0	20.89	20.89	20.89	20.6 0.0
100	QPSK	1	1	20.71	20.71	20.71	20.6 0.0
100	QPSK	1	137	20.69	20.69	20.69	20.6 0.0
100	QPSK	1	271	20.71	20.71	20.71	20.6 0.0
100	QPSK	135	0	20.89	20.89	20.89	20.6 0.0
100	QPSK	135	66	20.89	20.89	20.89	20.6 0.0
100	QPSK	135	138	20.82	20.82	20.82	20.6 0.0
100	QPSK	270	0	20.89	20.89	20.89	20.6 0.0
100	16QAM	1	1	20.86	20.86	20.86	20.6 0.0
100	16QAM	1	1	20.71	20.71	20.71	20.6 0.0
100	256QAM	1	1	20.82	20.82	20.82	20.6 0.0
Channel							
90	QPSK	1	1	20.84	20.75	20.88	20.6 0.0
Channel							
80	QPSK	1	1	20.17	20.18	20.39	20.6 0.0
Channel							
70	QPSK	1	1	20.16	20.16	20.09	20.6 0.0
Channel							
80	QPSK	1	1	20.16	20.13	20.06	20.6 0.0
Channel							
90	QPSK	1	1	20.15	20.09	19.97	20.6 0.0
Channel							
80	QPSK	1	1	20.05	20.04	20.04	20.6 0.0
Channel							
30	QPSK	1	1	20.06	20.07	20.06	20.6 0.0
Channel							
20	QPSK	1	1	20.04	20.11	20.06	20.6 0.0

Part27Q n77_Ant 2_PC2 DSi2 Standalone							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Media Ch.1 Freq.	Power High Ch.1 Freq.	Time-up time (dBm)
Channel							
Frequency (MHz)							
100	PI2 BPSK	1	1	23.01	23.01	23.01	
100	PI2 BPSK	1	137	23.14	23.14	23.14	23.6 0.0
100	PI2 BPSK	1	271	23.11	23.11	23.11	
100	PI2 BPSK	135	0	23.50	23.50	23.50	23.6 0.0
100	PI2 BPSK	135	66	23.50	23.50	23.50	23.6 0.0
100	PI2 BPSK	135	138	23.63	23.63	23.63	23.6 0.0
100	PI2 BPSK	270	0	23.56	23.56	23.56	23.6 0.0
100	QPSK	1	1	23.30	23.30	23.30	23.6 0.0
100	QPSK	1	137	23.04	23.04	23.04	23.6 0.0
100	QPSK	1	271	23.04	23.04	23.04	23.6 0.0
100	QPSK	135	0	23.52	23.52	23.52	23.6 0.0
100	QPSK	135	66	23.52	23.52	23.52	23.6 0.0
100	QPSK	135	138	23.65	23.65	23.65	23.6 0.0
100	QPSK	270	0	23.52	23.52	23.52	23.6 0.0
100	16QAM	1	1	23.79	23.79	23.79	23.6 0.0
100	16QAM	1	1	23.63	23.63	23.63	23.6 0.0
100	256QAM	1	1	23.64	23.64	23.64	23.6 0.0
Channel							
90	QPSK	1	1	23.05	23.06	23.05	23.6 0.0
Channel							
80	QPSK	1	1	22.96	22.74	22.92	23.6 0.0
Channel							
70	QPSK	1	1	22.85	22.76	22.78	23.6 0.0
Channel							
80	QPSK	1	1	22.80	22.74	22.89	23.6 0.0
Channel							
90	QPSK	1	1	22.85	22.76	22.78	23.6 0.0
Channel							
80	QPSK	1	1	22.82	22.87	22.86	23.6 0.0
Channel							
30	QPSK	1	1	22.88	22.88	22.88	23.6 0.0
Channel							
20	QPSK	1	1	22.92	22.92	22.92	23.6 0.0

Part270 n78 Ant2_PC3 DS12 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Max Ch. (Frac.)	Power High Ch. (Frac.)	Tuneup time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
100	PI2-BPSK	1	1		19.43				
100	PI2-BPSK	1	137		19.41		20.6	0.0	
100	PI2-BPSK	1	271		19.35				
100	PI2-BPSK	135	0		19.40		20.6	0.0	
100	PI2-BPSK	135	0		19.42		20.6	0.0	
100	PI2-BPSK	135	136		19.35				
100	PI2-BPSK	270	0		19.37		20.6	0.0	
100	QPSK	1	1		19.34				
100	QPSK	1	137		19.43		20.6	0.0	
100	QPSK	1	271		19.48				
100	QPSK	135	0		19.39		20.3	0.3	
100	QPSK	135	0		19.42		20.6	0.0	
100	QPSK	135	136		19.38		20.3	0.3	
100	QPSK	270	0		19.39		20.3	0.3	
100	16QAM	1	1		19.33		20.3	0.3	
100	16QAM	1	1		19.39		18.9	1.8	
100	16QAM	1	1		19.32		19.9	0.9	
Channel									
Frequency (MHz)									
50	QPSK	1	1		19.35	19.35	19.35	20.6	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1		19.24	19.30	19.60	20.6	0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1		19.05	19.12	19.31	20.6	0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1		18.82	18.96	19.20	20.6	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1		18.59	18.77	19.03	20.6	0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1		18.35	18.64	19.05	20.6	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1		18.12	18.64	19.05	20.6	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1		18.82	19.04	19.70	20.6	0.0

Part27Q n78_Ant_2_PC3 DS12 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Max Ch. (Frac.)	Power High Ch. (Frac.)	Tune-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
100	PI2-BPSK	1	1		19.65				
100	PI2-BPSK	1	137		19.60		20.6	0.0	
100	PI2-BPSK	1	271		19.53				
100	PI2-BPSK	135	0		19.59		20.6	0.0	
100	PI2-BPSK	135	0		19.60		20.6	0.0	
100	PI2-BPSK	135	136		19.50		20.6	0.0	
100	PI2-BPSK	270	0		19.54				
100	QPSK	1	1		19.55				
100	QPSK	1	137		19.59		20.6	0.0	
100	QPSK	1	271		19.53				
100	QPSK	135	0		19.62		20.3	0.3	
100	QPSK	135	0		19.60		20.6	0.0	
100	QPSK	135	136		19.48		20.3	0.3	
100	QPSK	270	0		19.58		20.3	0.3	
100	16QAM	1	1		19.50		20.3	0.3	
100	16QAM	1	1		19.44		18.9	1.8	
100	16QAM	1	1		19.53		19.9	0.9	
Channel									
Frequency (MHz)									
50	QPSK	1	1		19.51	19.55	19.55	20.6	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1		19.61	19.55	19.48	20.6	0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1		19.58	19.56	19.65	20.6	0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1		19.52	19.48	19.42	20.6	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1		19.56	19.63	19.55	20.6	0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1		19.59	19.49	19.43	20.6	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1		19.63	19.58	19.57	20.6	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1		19.47	19.55	19.58	20.6	0.0

Par270 Ant2_PC3 DS12 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Max Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	18.19	18.35	18.51			
100	PI2 BPSK	1	137	18.26	18.38	18.52	19.3	0.0	
100	PI2 BPSK	1	271	18.31	18.39	18.56			
100	PI2 BPSK	135	0	18.17	18.24	18.17	19.3	0.0	
100	PI2 BPSK	135	66	18.26	18.37	18.26	19.3	0.0	
100	PI2 BPSK	135	138	18.12	18.34	18.11	19.3	0.0	
100	PI2 BPSK	270	0	18.32	18.19	18.34			
100	QPSK	1	1	18.44	18.50	18.60			
100	QPSK	1	137	18.38	18.47	18.59	19.3	0.0	
100	QPSK	1	271	18.49	18.40	18.47			
100	QPSK	135	0	18.26	18.32	18.12	19.3	0.0	
100	QPSK	135	66	18.34	18.39	18.34	19.3	0.0	
100	QPSK	135	138	18.17	18.38	18.14	19.3	0.0	
100	QPSK	270	0	18.17	18.38	18.24			
100	16QAM	1	1	18.14	18.38	18.16	19.3	0.0	
100	16QAM	1	1	18.34	18.35	18.39	19.3	0.0	
100	16QAM	1	1	18.26	18.46	18.32	19.3	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.24	18.31	18.35	19.3	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.17	18.17	18.21	19.3	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	18.26	18.26	18.26	19.3	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	18.22	18.12	18.12	19.3	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	18.19	18.08	18.19	19.3	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	18.21	18.17	18.21	19.3	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.23	18.36	18.44	19.3	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.13	18.16	18.19	19.3	0.0	

Par270 n77 Ant2_PC2 DS12 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Max Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	20.05	21.17	20.84			
100	PI2 BPSK	1	137	20.08	21.13	20.77	22.3	0.0	
100	PI2 BPSK	1	271	20.14	21.15	20.78			
100	PI2 BPSK	135	0	20.02	21.12	20.03	22.3	0.0	
100	PI2 BPSK	135	66	20.07	21.11	20.75	22.3	0.0	
100	PI2 BPSK	135	138	21.07	21.10	20.82	22.3	0.0	
100	PI2 BPSK	270	0	21.07	21.10	20.87			
100	QPSK	1	1	21.03	21.05	20.97			
100	QPSK	1	137	20.94	21.08	20.71	22.3	0.0	
100	QPSK	1	271	21.00	21.10	20.77			
100	QPSK	135	0	21.01	21.05	20.79	22.3	0.0	
100	QPSK	135	66	20.81	20.98	20.71	22.3	0.0	
100	QPSK	135	138	20.97	20.95	20.89	22.3	0.0	
100	QPSK	270	0	20.34	20.36	20.29	22.3	0.0	
100	16QAM	1	1	20.08	20.22	20.77	22.3	0.0	
100	16QAM	1	1	20.90	20.18	20.82	22.3	0.0	
100	16QAM	1	1	20.76	19.95	19.91	22.3	1.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	21.08	22.18	21.74	22.3	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.00	22.20	21.82	22.3	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	21.97	22.17	21.91	22.3	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	22.01	22.21	21.77	22.3	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	21.93	22.13	21.89	22.3	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	21.95	22.16	21.91	22.3	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.84	22.14	21.85	22.3	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.93	22.15	21.97	22.3	0.0	

Part27Q n77_Ant_2_PC3 DS12 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Max Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1			18.38				
100	PI2 BPSK	1	137		18.37		19.3	0.0	
100	PI2 BPSK	1	271		18.29				
100	PI2 BPSK	135	0		18.24				
100	PI2 BPSK	135	66		18.27		19.3	0.0	
100	PI2 BPSK	135	138		18.04				
100	PI2 BPSK	270	0		18.18		19.3	0.0	
100	QPSK	1			18.51				
100	QPSK	1	137		18.47		19.3	0.0	
100	QPSK	1	271		18.49				
100	QPSK	135	0		18.32				
100	QPSK	135	66		18.31		19.3	0.0	
100	QPSK	135	138		18.26				
100	QPSK	270	0		18.28		19.3	0.0	
100	16QAM	1	1		18.36		19.3	0.0	
100	16QAM	1	1		18.35		19.3	0.0	
100	16QAM	1	1		18.48		19.3	1.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	18.17	19.17	18.31	19.3	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.24	19.21	18.35	19.3	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	18.26	19.09	18.38	19.3	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	18.32	19.12	18.32	19.3	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	18.18	19.08	18.38	19.3	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	18.21	19.17	18.31	19.3	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.23	19.16	18.38	19.3	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.29	19.09	18.44	19.3	0.0	

Part27Q n77_Ant_2_PC2 DS12 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Max Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1		21.37					
100	PI2 BPSK	1	137		21.36		22.3	0.0	
100	PI2 BPSK	1	271		21.34				
100	PI2 BPSK	156	0		21.32		22.3	0.0	
100	PI2 BPSK	156	136		21.30		22.3	0.0	
100	PI2 BPSK	156	270		21.28		22.3	0.0	
100	QPSK	273	0		21.42		22.3	0.0	
100	QPSK	1	137		21.40		22.3	0.0	
100	QPSK	1	271		21.40				
100	QPSK	156	0		21.38		22.3	0.0	
100	QPSK	156	136		21.36		22.3	0.0	
100	QPSK	156	270		21.34		22.3	0.0	
100	QPSK	273	0		21.60		22.3	0.0	
100	QPSK	1	137		21.58		22.3	0.0	
100	QPSK	1	271		21.58				
100	QPSK	156	0		21.56		22.3	0.0	
100	QPSK	156	136		21.54		22.3	0.0	
100	QPSK	156	270		21.52		22.3	0.0	
100	QPSK	273	0		21.76		22.3	0.0	
100	QPSK	1	137		21.74		22.3	0.0	
100	QPSK	1	271		21.74				
100	QPSK	156	0		21.72		22.3	0.0	
100	QPSK	156	136		21.70		22.3	0.0	
100	QPSK	156	270		21.68		22.3	0.0	
100	QPSK	273	0		21.92		22.3	0.0	
100	QPSK	1	137		21.90		22.3	0.0	
100	QPSK	1	271		21.90				
100	QPSK	156	0		21.88		22.3	0.0	
100	QPSK	156	136		21.86		22.3	0.0	
100	QPSK	156	270		21.84		22.3	0.0	
100	QPSK	273	0		22.08		22.3	0.0	
100	QPSK	1	137		22.06		22.3	0.0	
100	QPSK	1	271		22.06				
100	QPSK	156	0		22.04		22.3	0.0	
100	QPSK	156	136		22.02		22.3	0.0	
100	QPSK	156	270		22.00		22.3	0.0	
100	QPSK	273	0		22.24		22.3	0.0	
100	QPSK	1	137		22.22		22.3	0.0	
100	QPSK	1	271		22.22				
100	QPSK	156	0		22.20		22.3	0.0	
100	QPSK	156	136		22.18		22.3	0.0	
100	QPSK	156	270		22.16		22.3	0.0	
100	QPSK	273	0		22.40		22.3	0.0	
100	QPSK	1	137		22.38		22.3	0.0	
100	QPSK	1	271		22.38				
100	QPSK	156	0		22.36		22.3	0.0	
100	QPSK	156	136		22.34		22.3	0.0	
100	QPSK	156	270		22.32		22.3	0.0	
100	QPSK	273	0		22.56		22.3	0.0	
100	QPSK	1	137		22.54		22.3	0.0	
100	QPSK	1	271		22.54				
100	QPSK	156	0		22.52		22.3	0.0	
100	QPSK	156	136		22.50		22.3	0.0	
100	QPSK	156	270		22.48		22.3	0.0	
100	QPSK	273	0		22.72		22.3	0.0	
100	QPSK	1	137		22.70		22.3	0.0	
100	QPSK	1	271		22.70				
100	QPSK	156	0		22.68		22.3	0.0	
100	QPSK	156	136		22.66		22.3	0.0	
100	QPSK	156	270		22.64		22.3	0.0	
100	QPSK	273	0		22.88		22.3	0.0	
100	QPSK	1	137		22.86		22.3	0.0	
100	QPSK	1	271		22.86				
100	QPSK	156	0		22.84		22.3	0.0	
100	QPSK	156	136		22.82		22.3	0.0	
100	QPSK	156	270		22.80		22.3	0.0	
100	QPSK	273	0		23.04		22.3	0.0	
100	QPSK	1	137		23.02		22.3	0.0	
100	QPSK	1	271		23.02				
100	QPSK	156	0		23.00		22.3	0.0	
100	QPSK	156	136		22.98		22.3	0.0	
100	QPSK	156	270		22.96		22.3	0.0	
100	QPSK	273	0		23.20		22.3	0.0	
100	QPSK	1	137		23.18		22.3	0.0	
100	QPSK	1	271		23.18				
100	QPSK	156	0		23.16		22.3	0.0	
100	QPSK	156	136		23.14		22.3	0.0	
100	QPSK	156	270		23.12		22.3	0.0	
100	QPSK	273	0		23.36		22.3	0.0	
100	QPSK	1	137		23.34		22.3	0.0	
100	QPSK	1	271		23.34				
100	QPSK	156	0		23.32		22.3	0.0	
100	QPSK	156	136		23.30		22.3	0.0	
100	QPSK	156	270		23.28		22.3	0.0	
100	QPSK	273	0		23.52		22.3	0.0	
100	QPSK	1	137		23.50		22.3	0.0	
100	QPSK	1	271		23.50				
100	QPSK	156	0		23.48		22.3	0.0	
100	QPSK	156	136		23.46		22.3	0.0	
100	QPSK	156	270		23.44		22.3	0.0	
100	QPSK	273	0		23.68		22.3	0.0	
100	QPSK	1	137		23.66		22.3	0.0	
100	QPSK	1	271		23.66				
100	QPSK	156	0		23.64		22.3	0.0	
100	QPSK	156	136		23.62		22.3	0.0	
100	QPSK	156	270		23.60		22.3	0.0	
100	QPSK	273	0		23.84		22.3	0.0	
100	QPSK	1	137		23.82		22.3	0.0	
100	QPSK	1	271		23.82				
100	QPSK	156	0		23.80		22.3	0.0	
100	QPSK	156	136		23.78		22.3	0.0	
100	QPSK	156	270		23.76		22.3	0.0	
100	QPSK	273	0		24.00		22.3	0.0	
100	QPSK	1	137		23.98		22.3	0.0	
100	QPSK	1	271		23.98				
100	QPSK	156	0		23.96		22.3	0.0	
100	QPSK	156	136		23.94		22.3	0.0	
100	QPSK	156	270		23.92		22.3	0.0	
100	QPSK	273	0		24.16		22.3	0.0	
100	QPSK	1	137		24.14		22.3	0.0	
100	QPSK	1	271		24.14				
100	QPSK	156	0		24.12		22.3	0.0	
100	QPSK	156	136		24.10		22.3	0.0	
100	QPSK	156	270		24.08		22.3	0.0	
100	QPSK	273	0		24.32		22.3	0.0	
100	QPSK	1	137		24.30		22.3	0.0	
100	QPSK	1	271		24.30				
100	QPSK	156	0		24.28		22.3	0.0	
100	QPSK	156	136		24.26		22.3	0.0	
100	QPSK	156	270		24.24		22.3	0.0	
100	QPSK	273	0		24.48		22.3	0.0	
100	QPSK	1	137		24.46		22.3	0.0	
100	QPSK	1	271		24.46				
100	QPSK	156	0		24.44		22.3	0.0	
100	QPSK	156	136		24.42		22.3	0.0	
100	QPSK	156	270		24.40		22.3	0.0	
100	QPSK	273	0		24.64		22.3	0.0	
100	QPSK	1	137		24.62		22.3	0.0	
100	QPSK	1	271		24.62				
100	QPSK	156	0		24.60		22.3	0.0	
100	QPSK	156	136		24.58		22.3	0.0	
100	QPSK	156	270		24.56		22.3	0.0	
100	QPSK	273	0		24.80		22.3	0.0	
100	QPSK	1	137		24.78		22.3	0.0	
100	QPSK	1	271		24.78				
100	QPSK	156	0		24.76		22.3	0.0	
100	QPSK	156	136		24.74		22.3	0.0	
100	QPSK	156	270		24.72		22.3	0.0	
100	QPSK	273	0		24.96		22.3	0.0	
100	QPSK	1	137		24.94		22.3	0.0	
100	QPSK	1	271		24.94				
100	QPSK	156	0		24.92		22.3	0.0	
100	QPSK	156	136		24.90		22.3	0.0	
100	QPSK	156	270		24.88		22.3	0.0	
100	QPSK	273	0		25.12		22.3	0.0	
100	QPSK	1	137		25.10		22.3	0.0	
100	QPSK	1	271		25.10				
100	QPSK	156	0		25.08		22.3	0.0	
100	QPSK	156	136		25.06		22.3	0.0	
100	QPSK	156	270		25.04		22.3	0.0	
100	QPSK	273	0		25.28		22.3	0.0	
100	QPSK	1	137		25.26		22.3	0.0	
100	QPSK	1	271		25.26				
100	QPSK	156	0		25.24		22.3	0.0	
100	QPSK	156	136		25.22		22.3	0.0	
100	QPSK	156	270		25.20		22.3	0.0	
100	QPSK	273	0		25.44		22.3	0.0	
100	QPSK	1	137		25.42		22.3	0.0	
100	QPSK	1	271		25.42				
100	QPSK	156	0		25.40		22.3	0.0	
100	QPSK	156	136		25.38		22.3	0.0	
100	QPSK	156	270		25.36		22.3	0.0	
100	QPSK	273	0		25.60		22.3	0.0	
100	QPSK	1	137		25.58		22.3	0.0	
100	QPSK	1	271		25.58				
100	QPSK	156	0		25.56		22.3	0.0	
100	QPSK	156	136		25.54		22.3	0.0	
100	QPSK	156	270		25.52		22.3	0.0	
100	QPSK	273	0		25.76		22.3	0.0	
100	QPSK	1	137						

Part27Q n78 Ant2_PC3 DS12 Simultaneous								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Max Ch. (Frac.)	Power High Ch. (Frac.)	Tune-up time (min)	MPN (dB)
Channel								
Frequency (MHz)								
100	PI2-BPSK	1	1		18.36			
100	PI2-BPSK	1	137		18.37		19.3	0.0
100	PI2-BPSK	1	271		18.27			
100	PI2-BPSK	135	0		18.22		19.3	0.0
100	PI2-BPSK	135	0		18.25		19.3	0.0
100	PI2-BPSK	135	136		18.02		19.3	0.0
100	PI2-BPSK	270	0		18.17			
100	QPSK	1	1		18.05			
100	QPSK	1	137		18.45		19.3	0.0
100	QPSK	1	271		18.47			
100	QPSK	135	0		18.30		19.3	0.0
100	QPSK	135	0		18.24		19.3	0.0
100	QPSK	135	136		18.24		19.3	0.0
100	QPSK	270	0		18.24			
100	SSB-QAM	1	1		18.06		19.3	0.0
100	SSB-QAM	1	1		18.33		18.8	0.5
100	SSB-QAM	1	1		18.44		18.8	2.5
Channel								
Frequency (MHz)								
50	QPSK	1	1		18.71	18.45	18.75	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1		18.52	18.82	18.70	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1		18.74	18.47	18.72	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1		18.54	18.50	18.61	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1		18.48	18.81	18.70	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1		18.50	18.71	18.70	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1		18.62	18.88	18.80	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1		18.62	18.72	18.50	0.0

Part27Q n78_Ant_2_PC3 DS12 Simultaneous								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Max Ch. (Frac.)	Power High Ch. (Frac.)	Tune-up time (min)	MPN (dB)
Channel								
Frequency (MHz)								
100	PI2-BPSK	1	1		18.36			
100	PI2-BPSK	1	137		18.37		19.3	0.0
100	PI2-BPSK	1	271		18.27			
100	PI2-BPSK	135	0		18.22		19.3	0.0
100	PI2-BPSK	135	0		18.25		19.3	0.0
100	PI2-BPSK	135	136		18.02		19.3	0.0
100	PI2-BPSK	270	0		18.17			
100	QPSK	1	1		18.05			
100	QPSK	1	137		18.45		19.3	0.0
100	QPSK	1	271		18.47			
100	QPSK	135	0		18.30		19.3	0.0
100	QPSK	135	0		18.24		19.3	0.0
100	QPSK	135	136		18.24		19.3	0.0
100	QPSK	270	0		18.24			
100	SSB-QAM	1	1		18.06		19.3	0.0
100	SSB-QAM	1	1		18.33		18.8	0.5
100	SSB-QAM	1	1		18.44		18.8	2.5
Channel								
Frequency (MHz)								
50	QPSK	1	1		18.50	18.82	18.70	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1		18.71	18.45	18.70	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1		18.47	18.72	18.64	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1		18.74	18.50	18.61	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1		18.82	18.72	18.59	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1		18.40	18.61	18.50	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1		18.63	18.88	18.80	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1		18.50	18.71	18.70	0.0



Par27Q n77 Ant7_PC3 DS12 Standalone&Simultaneous

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Max Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)
Channel								
Frequency [MHz]								
100	PI2 BPSK	1	1	22.54	22.55	22.42		
100	PI2 BPSK	1	137	22.29	22.39	22.40	24.0	0.0
100	PI2 BPSK	1	271	22.40	22.50	22.54		
100	PI2 BPSK	135	0	22.25	22.45	22.20	24.0	0.0
100	PI2 BPSK	135	66	22.37	22.56	22.30	24.0	0.0
100	PI2 BPSK	135	138	22.29	22.36	22.25	24.0	0.0
100	PI2 BPSK	270	0	22.36	22.44	22.22		
100	QPSK	1	1	22.54	22.55	22.50		
100	QPSK	1	137	22.52	22.41	22.41	24.0	0.0
100	QPSK	1	271	22.50	22.60	22.53		
100	QPSK	135	0	22.28	22.43	22.23	24.0	0.0
100	QPSK	135	66	22.36	22.46	22.29	24.0	0.0
100	QPSK	135	138	22.29	22.38	22.14	24.0	0.0
100	QPSK	270	0	22.12	22.17	22.08		
100	16QAM	1	1	22.46	22.46	22.46	24.0	0.0
100	16QAM	1	1	21.70	21.62	21.62	23.0	1.0
100	256QAM	1	1	18.96	18.90	18.91	21.0	0.0
Channel								
Frequency [MHz]								
80	QPSK	1	1	22.49	22.53	22.45	24.0	0.0
Channel								
Frequency [MHz]								
80	QPSK	1	1	22.37	22.54	22.29	24.0	0.0
Channel								
Frequency [MHz]								
70	QPSK	1	1	22.54	22.62	22.57	24.0	0.0
Channel								
Frequency [MHz]								
80	QPSK	1	1	22.48	22.71	22.53	24.0	0.0
Channel								
Frequency [MHz]								
80	QPSK	1	1	22.44	22.68	22.59	24.0	0.0
Channel								
Frequency [MHz]								
80	QPSK	1	1	22.50	22.58	22.50	24.0	0.0
Channel								
Frequency [MHz]								
30	QPSK	1	1	22.55	22.56	22.48	24.0	0.0
Channel								
Frequency [MHz]								
20	QPSK	1	1	22.58	22.68	22.51	24.0	0.0

Par27Q n77 Ant7_PC2 DS12 Standalone&Simultaneous

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Max Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)
Channel								
Frequency [MHz]								
100	PI2 BPSK	1	1	25.48	25.57	25.39		
100	PI2 BPSK	1	137	25.48	25.48	25.35	27.0	0.0
100	PI2 BPSK	1	271	25.35	25.52	25.38		
100	PI2 BPSK	135	0	24.89	25.07	25.03	27.0	0.0
100	PI2 BPSK	135	66	25.30	25.39	25.23	27.0	0.0
100	PI2 BPSK	135	138	25.25	25.34	25.26	27.0	0.0
100	PI2 BPSK	270	0	25.27	25.33	25.27	27.0	0.0
100	QPSK	1	1	25.65	25.65	25.49		
100	QPSK	1	137	25.45	25.45	25.37	27.0	0.0
100	QPSK	1	271	25.25	25.37	25.35		
100	QPSK	135	0	25.39	25.41	25.38	27.0	0.0
100	QPSK	135	66	25.42	25.46	25.39	27.0	0.0
100	QPSK	135	138	25.15	25.16	25.12	27.0	0.0
100	QPSK	270	0	25.21	25.37	25.23	27.0	0.0
100	16QAM	1	1	25.25	25.35	25.26	27.0	0.0
100	16QAM	1	1	23.07	23.28	23.06	25.0	2.0
100	256QAM	1	1	20.81	21.13	21.01	23.0	4.0
Channel								
Frequency [MHz]								
80	QPSK	1	1	25.66	25.66	25.49	27.0	0.0
Channel								
Frequency [MHz]								
80	QPSK	1	1	25.60	25.50	25.49	27.0	0.0
Channel								
Frequency [MHz]								
70	QPSK	1	1	25.48	25.60	25.50	27.0	0.0
Channel								
Frequency [MHz]								
80	QPSK	1	1	25.43	25.53	25.42	27.0	0.0
Channel								
Frequency [MHz]								
80	QPSK	1	1	25.68	25.57	25.49	27.0	0.0
Channel								
Frequency [MHz]								
80	QPSK	1	1	25.58	25.87	25.40	27.0	0.0
Channel								
Frequency [MHz]								
30	QPSK	1	1	25.53	25.58	25.48	27.0	0.0
Channel								
Frequency [MHz]								
20	QPSK	1	1	25.53	25.55	25.44	27.0	0.0

Par27Q n77_Ant 7_PC3 DS12 Standalone&Simultaneous

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Max Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)
Channel								
Frequency [MHz]								
100	PI2 BPSK	1	1	22.54	22.55	22.42		
100	PI2 BPSK	1	137	22.49	22.49	22.40	24.0	0.0
100	PI2 BPSK	1	271	22.54	22.54	22.54		
100	PI2 BPSK	135	0	22.25	22.45	22.20	24.0	0.0
100	PI2 BPSK	135	66	22.37	22.56	22.30	24.0	0.0
100	PI2 BPSK	135	138	22.29	22.36	22.25	24.0	0.0
100	PI2 BPSK	270	0	22.36	22.44	22.22		
100	QPSK	1	1	22.54	22.55	22.50		
100	QPSK	1	137	22.41	22.41	22.40	24.0	0.0
100	QPSK	1	271	22.53	22.63	22.53		
100	QPSK	135	0	22.41	22.41	22.41	24.0	0.0
100	QPSK	135	66	22.42	22.42	22.42	24.0	0.0
100	QPSK	135	138	22.25	22.25	22.25	24.0	0.0
100	QPSK	270	0	22.25	22.25	22.25	24.0	0.0
100	16QAM	1	1	22.46	22.46	22.46	24.0	0.0
100	16QAM	1	1	21.61	21.61	21.61	23.0	1.0
100	256QAM	1	1	18.43	18.43	18.43	21.0	3.0
Channel								
Frequency [MHz]								
90	QPSK	1	1	22.49	22.54	22.51	24.0	0.0
Channel								
Frequency [MHz]								
80	QPSK	1	1	22.48	22.54	22.45	24.0	0.0
Channel								
Frequency [MHz]								
70	QPSK	1	1	22.41	22.69	22.59	24.0	0.0
Channel								
Frequency [MHz]								
80	QPSK	1	1	22.53	22.69	22.52	24.0	0.0
Channel								
Frequency [MHz]								
90	QPSK	1	1	22.51	22.69	22.58	24.0	0.0
Channel								
Frequency [MHz]								
80	QPSK	1	1	22.38	22.54	22.36	24.0	0.0
Channel								
Frequency [MHz]								
30	QPSK	1	1	22.41	22.42	22.34	24.0	0.0
Channel								
Frequency [MHz]								
20	QPSK	1	1	22.44	22.52	22.39	24.0	0.0

Par27Q n77_Ant 7_PC2 DS12 Standalone&Simultaneous

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Max Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)
Channel								
Frequency [MHz]								
100	PI2 BPSK	1	1		25.58			
100	PI2 BPSK	1	137		25.44		27.0	0.0
100	PI2 BPSK	1	271		25.48			
100	PI2 BPSK	135	0		24.97		26.0	0.0
100	PI2 BPSK	135	66		25.21		27.0	0.0
100	PI2 BPSK	135	138		24.73		26.0	0.0
100	PI2 BPSK	270	0		24.84		26.0	0.0
100	QPSK	1	1		25.65			
100	QPSK	1	137		25.50		27.0	0.0
100	QPSK	1	271		25.28			
100	QPSK	135	0		25.08		26.0	0.0
100	QPSK	135	66		24.78		26.0	0.0
100	QPSK	135	138		24.65		26.0	0.0
100	QPSK	270	0		24.76		26.0	0.0
100	16QAM	1	1		24.68		26.0	0.0
100	16QAM	1	137		24.57		26.0	0.0
100	16QAM	1	271		24.61		25.0	0.0
100	256QAM	1	1	63.000	21.001	22.0	4.0	0.0
50	Frequency [MHz]			63.000	21.001	22.0	4.0	0.0
50	QPSK	1	1	25.58	25.41	25.47	27.0	0.0
50	Channel			63.000	63.034	63.036		MPR
50	Frequency [MHz]	1	1	25.58	25.41	25.47	27.0	0.0
50	QPSK	1	1	63.034	63.034	63.036		MPR
50	Frequency [MHz]	1	1	63.034	63.034	63.036		MPR
70	Channel			25.45	25.36	25.49	27.0	0.0
70	QPSK	1	1	25.45	25.36	25.49	27.0	0.0
70	Frequency [MHz]	1	1	25.45	25.36	25.49	27.0	0.0
70	QPSK	1	1	25.45	25.36	25.49	27.0	0.0
70	Frequency [MHz]	1	1	25.45	25.36	25.49	27.0	0.0
70	QPSK	1	1	25.45	25.36	25.49	27.0	0.0
50	Channel			63.036	63.034	63.036		MPR
50	Frequency [MHz]	1	1	63.036	63.034	63.036		MPR
50	QPSK	1	1	25.51	25.38	25.38	27.0	0.0
50	Channel			63.034	63.034	63.034		MPR
50	Frequency [MHz]	1	1	63.034	63.034	63.034		MPR
50	QPSK	1	1	25.50	25.31	25.33	27.0	0.0
50	Frequency [MHz]	1	1	25.50	25.31	25.33	27.0	0.0
50	QPSK	1	1	25.50	25.31	25.33	27.0	0.0
50	Frequency [MHz]	1	1	25.50	25.31	25.33	27.0	0.0
50	QPSK	1	1	25.50	25.31	25.33	27.0	0.0
20	Channel			63.036	63.034	63.036		MPR
20	Frequency [MHz]	1	1	63.036	63.034	63.036		MPR
20	QPSK	1	1	25.49	25.38	25.38	27.0	0.0

Part270 n78 Ant7_PC3 DS12 Standalone&Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Max Ch. Freq.	Power High Ch. Freq.	Time-up time (dBm)	MPR (dB)	
Channel				850000	850000	850000			
Frequency (MHz)				3150	3150	3150			
100	PI-C BPSK	1	1		22.85				
100	PI-C BPSK	1	137		22.39		24.0	0.0	
100	PI-C BPSK	1	271		22.81				
100	PI-C BPSK	135	0		22.43		23.5	0.5	
100	PI-C BPSK	135	86		22.60		23.5	0.5	
100	PI-C BPSK	135	138		22.04		23.5	0.5	
100	PI-C BPSK	270	0		22.18				
100	QPSK	1	1		22.75				
100	QPSK	1	137		22.85		24.0	0.0	
100	QPSK	1	271		22.47				
100	QPSK	135	0		22.74		23.0	1.0	
100	QPSK	135	86		22.66		23.0	1.0	
100	QPSK	135	138		21.58		23.0	1.0	
100	QPSK	270	0		21.60				
100	16QAM	1	1		21.87		23.0	1.0	
100	16QAM	1	1		20.38		21.5	2.5	
100	16QAM	1	1		18.26		18.5	4.5	
Channel				849856	850000	850256	Time-up time (dB)	MPR	
Frequency (MHz)				849856	850000	850256			
80	QPSK	1	1		22.35	22.71	22.01	24.0	0.0
Channel				849334	850000	850666	Time-up time (dB)	MPR	
Frequency (MHz)				849334	850000	850666			
80	QPSK	1	1		22.47	22.67	22.01	24.0	0.0
Channel				849000	850000	851000	Time-up time (dB)	MPR	
Frequency (MHz)				849000	850000	851000			
70	QPSK	1	1		22.44	22.70	22.05	24.0	0.0
Channel				848666	850000	851334	Time-up time (dB)	MPR	
Frequency (MHz)				848666	850000	851334			
80	QPSK	1	1		22.35	22.61	22.00	24.0	0.0
Channel				848334	850000	851666	Time-up time (dB)	MPR	
Frequency (MHz)				848334	850000	851666			
80	QPSK	1	1		22.36	22.54	22.00	24.0	0.0
Channel				848000	850000	852000	Time-up time (dB)	MPR	
Frequency (MHz)				848000	850000	852000			
80	QPSK	1	1		22.40	22.63	22.40	24.0	0.0
Channel				847666	850000	852334	Time-up time (dB)	MPR	
Frequency (MHz)				847666	850000	852334			
80	QPSK	1	1		22.07	22.50	22.07	24.0	0.0
Channel				847334	850000	852666	Time-up time (dB)	MPR	
Frequency (MHz)				847334	850000	852666			
80	QPSK	1	1		22.49	22.56	22.50	24.0	0.0

Part270 n78_FCC Ant 7_PC3 DS12 Standalone&Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Max Ch. Freq.	Power High Ch. Freq.	Time-up time (dBm)	MPR (dB)	
Channel				833334	833334	833334			
Frequency (MHz)				833334	833334	833334			
100	PI-C BPSK	1	1		22.51				
100	PI-C BPSK	1	137		22.38		24.0	0.0	
100	PI-C BPSK	1	271		22.77				
100	PI-C BPSK	135	0		22.48		23.5	0.5	
100	PI-C BPSK	135	86		22.47		23.5	0.5	
100	PI-C BPSK	135	138		21.87		23.5	0.5	
100	PI-C BPSK	270	0		22.14				
100	QPSK	1	1		22.85				
100	QPSK	1	137		22.51		24.0	0.0	
100	QPSK	1	271		22.47				
100	QPSK	135	0		22.83		23.0	1.0	
100	QPSK	135	86		22.80		23.0	1.0	
100	QPSK	135	138		21.50		23.0	1.0	
100	QPSK	270	0		21.50				
100	16QAM	1	1		21.80		23.0	1.0	
100	16QAM	1	1		20.23		21.5	2.5	
100	16QAM	1	1		18.00		18.5	4.5	
Channel				833334	833334	833334	Time-up time (dB)	MPR	
Frequency (MHz)				833334	833334	833334			
80	QPSK	1	1		22.40	22.57	22.40	24.0	0.0
Channel				833000	833334	833666	Time-up time (dB)	MPR	
Frequency (MHz)				833000	833334	833666			
80	QPSK	1	1		22.46	22.65	22.01	24.0	0.0
Channel				832666	833334	834000	Time-up time (dB)	MPR	
Frequency (MHz)				832666	833334	834000			
70	QPSK	1	1		22.42	22.66	22.01	24.0	0.0
Channel				832334	833334	834334	Time-up time (dB)	MPR	
Frequency (MHz)				832334	833334	834334			
80	QPSK	1	1		22.44	22.53	22.40	24.0	0.0
Channel				832000	833334	834666	Time-up time (dB)	MPR	
Frequency (MHz)				832000	833334	834666			
80	QPSK	1	1		22.45	22.54	22.07	24.0	0.0
Channel				831666	833334	835000	Time-up time (dB)	MPR	
Frequency (MHz)				831666	833334	835000			
80	QPSK	1	1		22.47	22.52	22.40	24.0	0.0
Channel				831334	833334	835334	Time-up time (dB)	MPR	
Frequency (MHz)				831334	833334	835334			
80	QPSK	1	1		22.44	22.64	22.07	24.0	0.0
Channel				831000	833334	835666	Time-up time (dB)	MPR	
Frequency (MHz)				831000	833334	835666			
80	QPSK	1	1		22.44	22.64	22.07	24.0	0.0
Channel				830666	833334	836000	Time-up time (dB)	MPR	
Frequency (MHz)				830666	833334	836000			
80	QPSK	1	1		22.54	22.60	22.50	24.0	0.0



n2 Ant0 DSI3 standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000			
Frequency (MHz)				1860	1860	1900			
20	Pi2 BPSK	1	1	18.34	18.41	18.37	19.7	0.0	
20	Pi2 BPSK	1	53	18.31	18.39	18.25	19.7		
20	Pi2 BPSK	1	104	18.31	18.46	18.37			
20	Pi2 BPSK	50	0	18.28	18.34	18.20	19.7	0.0	
20	Pi2 BPSK	50	26	18.22	18.31	18.21	19.7	0.0	
20	Pi2 BPSK	50	56	18.24	18.35	18.23			
20	Pi2 BPSK	100	0	18.20	18.31	18.16	19.7	0.0	
20	QPSK	1	1	18.61	18.67	18.58			
20	QPSK	1	53	18.36	18.47	18.36	19.7	0.0	
20	QPSK	1	104	18.33	18.41	18.36			
20	QPSK	50	0	18.36	18.44	18.32	19.7	0.0	
20	QPSK	50	26	18.31	18.45	18.34	19.7	0.0	
20	QPSK	50	56	18.23	18.35	18.35			
20	QPSK	100	0	18.27	18.43	18.29	19.7	0.0	
20	16QAM	1	1	18.34	18.45	18.36	19.7	0.0	
20	16QAM	1	1	18.21	18.63	18.56	19.7	0.0	
20	256QAM	1	1	18.47	18.60	18.54	19.7	0.0	
Channel				371800	376000	380600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1860	1902.5	(dBm)	(dB)	
15	QPSK	1	1	18.47	18.54	18.48	19.7	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1860	1905	(dBm)	(dB)	
10	QPSK	1	1	18.49	18.48	18.54	19.7	0.0	
Channel				370500	370500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1860	1907.5	(dBm)	(dB)	
5	QPSK	1	1	18.49	18.46	18.45	19.7	0.0	

n5 Ant0 DSI3 standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				168800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	Pi2 BPSK	1	1	22.62	22.63	22.65	24.0	0.0	
20	Pi2 BPSK	1	53	22.62	22.63	22.54			
20	Pi2 BPSK	1	104	22.46	22.60	22.41			
20	Pi2 BPSK	50	0	22.50	22.55	22.49	24.0	0.0	
20	Pi2 BPSK	50	26	22.64	22.67	22.55	24.0	0.0	
20	Pi2 BPSK	50	56	22.50	22.56	22.41			
20	Pi2 BPSK	100	0	22.45	22.84	22.60	24.0	0.0	
20	QPSK	1	1	22.63	22.75	22.67			
20	QPSK	1	53	22.42	22.62	22.44	24.0	0.0	
20	QPSK	1	104	22.47	22.60	22.35			
20	QPSK	50	0	22.49	22.58	22.41	24.0	0.0	
20	QPSK	50	26	22.62	22.66	22.63	24.0	0.0	
20	QPSK	50	56	22.50	22.57	22.43			
20	QPSK	100	0	22.43	22.62	22.42	24.0	0.0	
20	16QAM	1	1	22.59	22.61	22.52	24.0	0.0	
20	16QAM	1	1	21.73	21.91	21.72	22.5	1.5	
20	256QAM	1	1	19.04	19.09	19.52	20.5	3.5	
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5	(dBm)	(dB)	
15	QPSK	1	1	22.48	22.54	22.39	24.0	0.0	
Channel				168800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844	(dBm)	(dB)	
10	QPSK	1	1	22.46	22.51	22.47	24.0	0.0	
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5	(dBm)	(dB)	
5	QPSK	1	1	22.50	22.45	22.42	24.0	0.0	

n66 Ant0 DSI3 standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	Pi2 BPSK	1	1	18.51	18.54	18.44			
40	Pi2 BPSK	1	108	18.57	18.61	18.54	19.6	0.0	
40	Pi2 BPSK	1	214	18.40	18.47	18.31			
40	Pi2 BPSK	108	0	18.43	18.54	18.47	19.6	0.0	
40	Pi2 BPSK	108	44	18.31	18.45	18.34	19.6	0.0	
40	Pi2 BPSK	108	108	18.39	18.55	18.48			
40	Pi2 BPSK	216	0	18.34	18.50	18.47	19.6	0.0	
40	QPSK	1	1	18.57	18.68	18.65			
40	QPSK	1	108	18.45	18.55	18.40	19.6	0.0	
40	QPSK	1	214	18.41	18.51	18.39			
40	QPSK	108	0	18.33	18.49	18.35	19.6	0.0	
40	QPSK	108	54	18.40	18.60	18.48	19.6	0.0	
40	QPSK	108	108	18.48	18.53	18.50			
40	QPSK	216	0	18.38	18.53	18.46	19.6	0.0	
40	16QAM	1	1	18.60	18.65	18.48	19.6	0.0	
40	16QAM	1	1	18.46	18.57	18.49	19.6	0.0	
40	256QAM	1	1	18.35	18.46	18.38	19.6	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)	
30	QPSK	1	1	18.47	18.57	18.55	19.6	0.0	
Channel				345000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)	
20	QPSK	1	1	18.44	18.54	18.50	19.6	0.0	
Channel				345000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)	
15	QPSK	1	1	18.54	18.64	18.57	19.6	0.0	
Channel				345000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)	
10	QPSK	1	1	18.46	18.58	18.58	19.6	0.0	
Channel				345000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)	
5	QPSK	1	1	18.53	18.57	18.54	19.6	0.0	



n2 Ant0 DSI3 simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000			
Frequency (MHz)				1860	1880	1900			
20	Pi/2 BPSK	1	1	14.40	14.43	14.43			
20	Pi/2 BPSK	1	53	14.35	14.45	14.36	15.7	0.0	
20	Pi/2 BPSK	1	104	14.39	14.41	14.39			
20	Pi/2 BPSK	50	0	14.27	14.39	14.34	15.7	0.0	
20	Pi/2 BPSK	50	26	14.38	14.38	14.31	15.7	0.0	
20	Pi/2 BPSK	50	56	14.28	14.42	14.37			
20	Pi/2 BPSK	100	0	14.28	14.40	14.35	15.7	0.0	
20	QPSK	1	1	14.49	14.62	14.56			
20	QPSK	1	53	14.32	14.43	14.33	15.7	0.0	
20	QPSK	1	104	14.33	14.39	14.33			
20	QPSK	50	0	14.29	14.38	14.36	15.7	0.0	
20	QPSK	50	26	14.36	14.43	14.28	15.7	0.0	
20	QPSK	50	56	14.25	14.37	14.28			
20	QPSK	100	0	14.34	14.41	14.28			
20	16QAM	1	1	14.48	14.57	14.44	15.7	0.0	
20	16QAM	1	1	14.49	14.56	14.46	15.7	0.0	
20	256QAM	1	1	14.38	14.47	14.45	15.7	0.0	
Channel				371600	376000	380600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5	(dBm)		
15	QPSK	1	1	14.40	14.58	14.53	15.7	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1905	(dBm)		
10	QPSK	1	1	14.46	14.48	14.51	15.7	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1907.5	(dBm)		
5	QPSK	1	1	14.36	14.54	14.44	15.7	0.0	

n5 Ant0 DSI3 simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				168800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	Pi/2 BPSK	1	1	21.86	21.92	21.89			
20	Pi/2 BPSK	1	53	21.78	21.87	21.80	23.5	0.0	
20	Pi/2 BPSK	1	104	21.66	21.84	21.81			
20	Pi/2 BPSK	50	0	21.70	21.83	21.85	23.5	0.0	
20	Pi/2 BPSK	50	26	21.77	21.85	21.83	23.5	0.0	
20	Pi/2 BPSK	50	56	21.75	21.92	21.86			
20	Pi/2 BPSK	100	0	21.83	21.88	21.81	23.5	0.0	
20	QPSK	1	1	21.97	22.07	21.93			
20	QPSK	1	53	21.76	21.84	21.88	23.5	0.0	
20	QPSK	1	104	21.70	21.86	21.79			
20	QPSK	50	0	21.75	21.85	21.74	23.5	0.0	
20	QPSK	50	26	21.87	21.86	21.78	23.5	0.0	
20	QPSK	50	56	21.78	21.92	21.80	23.5	0.0	
20	QPSK	100	0	21.88	21.91	21.82			
20	16QAM	1	1	21.84	22.01	21.96	23.5	0.0	
20	16QAM	1	1	21.85	21.97	21.89	23.0	0.5	
20	256QAM	1	1	20.03	20.06	19.90	21.0	2.5	
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5	(dBm)		
15	QPSK	1	1	21.88	21.90	21.83	23.5	0.0	
Channel				168800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844	(dBm)		
10	QPSK	1	1	21.84	22.02	21.76	23.5	0.0	
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5	(dBm)		
5	QPSK	1	1	21.89	21.96	21.81	23.5	0.0	

n66 Ant0 DSI3 simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	Pi/2 BPSK	1	1	15.33	15.38	15.35			
40	Pi/2 BPSK	1	108	15.26	15.31	15.23	16.7	0.0	
40	Pi/2 BPSK	1	214	15.31	15.35	15.29			
40	Pi/2 BPSK	108	0	15.22	15.34	15.23	16.7	0.0	
40	Pi/2 BPSK	108	44	15.31	15.41	15.31	16.7	0.0	
40	Pi/2 BPSK	108	108	15.29	15.34	15.25			
40	Pi/2 BPSK	216	0	15.26	15.33	15.29	16.7	0.0	
40	QPSK	1	1	15.36	15.49	15.41			
40	QPSK	1	108	15.24	15.33	15.20	16.7	0.0	
40	QPSK	1	214	15.25	15.30	15.20			
40	QPSK	108	0	15.30	15.37	15.35	16.7	0.0	
40	QPSK	108	54	15.26	15.36	15.25	16.7	0.0	
40	QPSK	108	108	15.35	15.31	15.34	16.7	0.0	
40	QPSK	216	0	15.23	15.33	15.27			
40	16QAM	1	1	15.36	15.41	15.28	16.7	0.0	
40	16QAM	1	1	15.28	15.36	15.29	16.7	0.0	
40	256QAM	1	1	15.23	15.32	15.22	16.7	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765	(dBm)		
30	QPSK	1	1	15.31	15.40	15.35	16.7	0.0	
Channel				346000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1730	1745	1760	(dBm)		
20	QPSK	1	1	15.29	15.40	15.36	16.7	0.0	
Channel				345000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)		
15	QPSK	1	1	15.23	15.38	15.38	16.7	0.0	
Channel				345000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	(dBm)		
10	QPSK	1	1	15.27	15.36	15.29	16.7	0.0	
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)		
5	QPSK	1	1	15.28	15.42	15.28	16.7	0.0	



n2 Ant1 DSI3 standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000			
Frequency (MHz)				1860	1860	1860			
20	Pi2 BPSK	1	1	19.36	19.53	19.42			
20	Pi2 BPSK	1	53	19.17	19.46	19.29	20.5	0.0	
20	Pi2 BPSK	1	104	19.17	19.40	19.15			
20	Pi2 BPSK	50	0	19.23	19.33	19.19	20.5	0.0	
20	Pi2 BPSK	50	26	19.07	19.36	19.16	20.5	0.0	
20	Pi2 BPSK	50	56	19.11	19.32	19.17			
20	Pi2 BPSK	100	0	19.10	19.37	19.10	20.5	0.0	
20	QPSK	1	1	19.30	19.55	19.27			
20	QPSK	1	53	19.35	19.40	19.29	20.5	0.0	
20	QPSK	1	104	19.15	19.36	19.17			
20	QPSK	50	0	19.04	19.31	19.11	20.5	0.0	
20	QPSK	50	26	19.21	19.33	19.16	20.5	0.0	
20	QPSK	50	56	19.02	19.32	19.03			
20	QPSK	100	0	19.25	19.35	19.24			
20	16QAM	1	1	19.12	19.37	19.24	20.5	0.0	
20	16QAM	1	1	19.63	19.83	19.59	20.5	0.0	
20	256QAM	1	1	19.39	19.59	19.24	20.5	0.0	
Channel				371600	376000	380600	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1857.5	1860	1862.5	(dBm)	(dB)	
15	QPSK	1	1	19.19	19.49	19.09	20.5	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1865	1860	1905	(dBm)	(dB)	
10	QPSK	1	1	19.12	19.39	19.17	20.5	0.0	
Channel				370000	370000	381500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1862.5	1860	1907.5	(dBm)	(dB)	
5	QPSK	1	1	19.14	19.40	19.25	20.5	0.0	

n5 Ant1 DSI3 standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	Pi2 BPSK	1	1	22.35	22.39	22.34			
20	Pi2 BPSK	1	53	22.25	22.30	22.24	24.0	0.0	
20	Pi2 BPSK	1	104	22.09	22.24	22.14			
20	Pi2 BPSK	50	0	22.05	22.23	22.16	24.0	0.0	
20	Pi2 BPSK	50	26	22.11	22.34	22.28	24.0	0.0	
20	Pi2 BPSK	50	56	22.08	22.27	22.23			
20	Pi2 BPSK	100	0	22.28	22.32	22.31	24.0	0.0	
20	QPSK	1	1	22.52	22.55	22.47			
20	QPSK	1	53	22.24	22.33	22.23	24.0	0.0	
20	QPSK	1	104	22.26	22.31	22.31			
20	QPSK	50	0	22.09	22.22	22.05	24.0	0.0	
20	QPSK	50	26	22.31	22.33	22.17	24.0	0.0	
20	QPSK	50	56	22.20	22.22	22.12			
20	QPSK	100	0	22.13	22.28	22.15	24.0	0.0	
20	16QAM	1	1	22.42	22.37	22.42	24.0	0.0	
20	16QAM	1	1	21.70	21.73	21.58	22.5	1.5	
20	256QAM	1	1	19.24	19.43	19.23	20.5	3.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR	
Frequency (MHz)				831.5	836.5	841.5	(dBm)	(dB)	
15	QPSK	1	1	22.36	22.38	22.21	24.0	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR	
Frequency (MHz)				829	836.5	844	(dBm)	(dB)	
10	QPSK	1	1	22.42	22.33	22.28	24.0	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR	
Frequency (MHz)				826.5	836.5	846.5	(dBm)	(dB)	
5	QPSK	1	1	22.41	22.25	22.29	24.0	0.0	

n66 Ant1 DSI3 standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	Pi2 BPSK	1	1	18.89	19.83	19.72			
40	Pi2 BPSK	1	108	18.83	19.98	19.81	20.0	0.0	
40	Pi2 BPSK	1	214	18.73	19.89	19.77			
40	Pi2 BPSK	108	0	18.88	19.93	19.76	20.0	0.0	
40	Pi2 BPSK	108	44	18.84	19.86	19.77	20.0	0.0	
40	Pi2 BPSK	108	108	18.85	19.95	19.86			
40	Pi2 BPSK	216	0	18.79	19.94	19.85	20.0	0.0	
40	QPSK	1	1	19.09	19.14	19.02			
40	QPSK	1	108	18.91	19.03	19.00	20.0	0.0	
40	QPSK	1	214	18.72	19.85	19.71			
40	QPSK	108	0	18.77	19.93	19.86	20.0	0.0	
40	QPSK	108	54	18.86	19.96	19.85	20.0	0.0	
40	QPSK	108	108	18.98	19.91	19.89			
40	QPSK	216	0	18.81	19.98	19.82	20.0	0.0	
40	16QAM	1	1	18.91	19.98	19.84	20.0	0.0	
40	16QAM	1	1	19.02	19.06	18.95	20.0	0.0	
40	256QAM	1	1	19.83	19.96	19.87	20.0	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)	
30	QPSK	1	1	18.56	19.06	18.92	20.0	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)	
20	QPSK	1	1	19.03	19.03	19.94	20.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)	
15	QPSK	1	1	19.03	19.07	19.86	20.0	0.0	
Channel				342000	349000	356000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)	
10	QPSK	1	1	18.93	19.05	19.94	20.0	0.0	
Channel				341000	349000	357000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)	
5	QPSK	1	1	19.05	19.10	19.87	20.0	0.0	

n2 Ant1 DS13 simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000			
Frequency (MHz)				1860	1860	1900			
20	Pl2 BPSK	1	1	16.85	17.02	16.91			
20	Pl2 BPSK	1	53	16.66	16.95	16.78	17.9	0.0	
20	Pl2 BPSK	1	104	16.66	16.86	16.64			
20	Pl2 BPSK	50	0	16.72	16.82	16.88	17.9	0.0	
20	Pl2 BPSK	50	26	16.56	16.85	16.65	17.9	0.0	
20	Pl2 BPSK	50	56	16.60	16.81	16.66			
20	Pl2 BPSK	100	0	16.59	16.86	16.59	17.9	0.0	
20	QPSK	1	1	16.79	17.04	16.76			
20	QPSK	1	53	16.84	16.98	16.76	17.9	0.0	
20	QPSK	1	104	16.64	16.85	16.66			
20	QPSK	50	0	16.53	16.80	16.60	17.9	0.0	
20	QPSK	50	26	16.79	16.82	16.58	17.9	0.0	
20	QPSK	50	56	16.51	16.81	16.52			
20	QPSK	100	0	16.74	16.84	16.73	17.9	0.0	
20	16QAM	1	1	16.61	16.86	16.73	17.9	0.0	
20	64QAM	1	1	16.12	16.32	16.08	17.9	0.0	
20	256QAM	1	1	15.11	15.12	15.10	17.9	0.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1857.5	1860	1902.5	(dBm)	(dB)	
15	QPSK	1	1	16.68	16.98	16.58	17.9	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1865	1860	1905	(dBm)	(dB)	
10	QPSK	1	1	16.61	16.88	16.66	17.9	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1862.5	1860	1907.5	(dBm)	(dB)	
5	QPSK	1	1	16.63	16.89	16.74	17.9	0.0	

n5 Ant1 DS13 simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				168800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	Pl2 BPSK	1	1	22.35	22.39	22.34			
20	Pl2 BPSK	1	53	22.25	22.30	22.24	24.0	0.0	
20	Pl2 BPSK	1	104	22.09	22.24	22.14			
20	Pl2 BPSK	50	0	22.05	22.23	22.16	24.0	0.0	
20	Pl2 BPSK	50	26	22.31	22.34	22.28	24.0	0.0	
20	Pl2 BPSK	50	56	22.08	22.27	22.23			
20	Pl2 BPSK	100	0	22.28	22.32	22.31	24.0	0.0	
20	QPSK	1	1	22.62	22.50	22.47			
20	QPSK	1	53	22.24	22.33	22.23	24.0	0.0	
20	QPSK	1	104	22.26	22.31	22.31			
20	QPSK	50	0	22.09	22.22	22.05	24.0	0.0	
20	QPSK	50	26	22.31	22.33	22.17	24.0	0.0	
20	QPSK	50	56	22.20	22.22	22.12			
20	QPSK	100	0	22.13	22.28	22.15	24.0	0.0	
20	16QAM	1	1	22.42	22.37	22.42	24.0	0.0	
20	64QAM	1	1	21.70	21.73	21.58	22.5	1.5	
20	256QAM	1	1	19.24	19.43	19.23	20.5	3.5	
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR	
Frequency (MHz)				831.5	836.5	841.5	(dBm)	(dB)	
15	QPSK	1	1	22.36	22.36	22.21	24.0	0.0	
Channel				168800	167300	168800	Tune-up limit (dBm)	MPR	
Frequency (MHz)				829	836.5	844	(dBm)	(dB)	
10	QPSK	1	1	22.42	22.33	22.28	24.0	0.0	
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR	
Frequency (MHz)				826.5	836.5	846.5	(dBm)	(dB)	
5	QPSK	1	1	22.41	22.25	22.29	24.0	0.0	

n66 Ant1 DS13 simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	Pl2 BPSK	1	1	15.79	15.65	15.72			
40	Pl2 BPSK	1	108	15.75	15.91	15.81	16.7	0.0	
40	Pl2 BPSK	1	214	15.72	15.83	15.79			
40	Pl2 BPSK	108	0	15.81	15.93	15.76	16.7	0.0	
40	Pl2 BPSK	108	44	15.78	15.87	15.60	16.7	0.0	
40	Pl2 BPSK	108	108	15.83	15.96	15.85			
40	Pl2 BPSK	216	0	15.81	15.83	15.72	16.7	0.0	
40	QPSK	1	1	15.90	16.02	15.86			
40	QPSK	1	108	15.81	15.93	15.88	16.7	0.0	
40	QPSK	1	214	15.78	15.84	15.80			
40	QPSK	108	0	15.74	15.82	15.77	16.7	0.0	
40	QPSK	108	54	15.80	15.94	15.83	16.7	0.0	
40	QPSK	108	108	15.64	15.78	15.71			
40	QPSK	216	0	15.75	15.82	15.79	16.7	0.0	
40	16QAM	1	1	15.89	15.97	15.81	16.7	0.0	
40	64QAM	1	1	15.72	15.86	15.75	16.7	0.0	
40	256QAM	1	1	15.73	15.86	15.72	16.7	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)	
30	QPSK	1	1	15.79	15.58	15.66	15.7	0.0	
Channel				346000	349000	350000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1730	1745	1770	(dBm)	(dB)	
20	QPSK	1	1	15.70	15.94	15.77	16.7	0.0	
Channel				345000	349000	351000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)	
15	QPSK	1	1	15.73	15.89	15.65	16.7	0.0	
Channel				345000	349000	350000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)	
10	QPSK	1	1	14.93	15.05	14.96	16.7	0.0	
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)	
5	QPSK	1	1	15.85	15.89	15.74	16.7	0.0	

Par270 n77 Ant2_PC3 DSi3 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Media Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	14.80	14.80	14.77			
100	PI2 BPSK	1	137	14.90	14.90	14.82	15.7	0.0	
100	PI2 BPSK	1	271	14.98	14.97	14.94			
100	PI2 BPSK	135	0	14.97	14.78	14.89	15.7	0.0	
100	PI2 BPSK	135	80	14.94	14.76	14.89	15.7	0.0	
100	PI2 BPSK	135	138	14.94	14.86	14.89	15.7	0.0	
100	PI2 BPSK	270	0	14.90	14.97	14.77			
100	QPSK	1	1	15.04	15.05	15.05			
100	QPSK	1	137	14.76	14.97	14.92	15.7	0.0	
100	QPSK	1	271	14.94	14.93	14.92			
100	QPSK	135	0	14.78	14.80	14.79	15.7	0.0	
100	QPSK	135	80	14.76	14.86	14.89	15.7	0.0	
100	QPSK	135	138	14.97	14.75	14.89	15.7	0.0	
100	QPSK	270	0	14.72	14.80	14.84			
100	16QAM	1	1	14.97	14.80	14.92	15.7	0.0	
100	16QAM	1	1	14.85	14.94	14.85	15.7	0.0	
100	16QAM	1	1	14.95	14.76	14.84	15.7	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	14.94	14.90	14.90	15.7	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	14.79	14.85	14.90	15.7	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	14.85	14.85	14.85	15.7	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	14.78	14.87	14.83	15.7	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	14.83	14.80	14.84	15.7	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	14.78	14.79	14.81	15.7	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	14.80	14.80	14.80	15.7	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	14.81	14.81	14.80	15.7	0.0	

Par270 n77 Ant2_PC2 DSi3 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Media Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	17.81	17.74	17.72			
100	PI2 BPSK	1	137	17.72	17.75	17.85	18.7	0.0	
100	PI2 BPSK	1	271	17.75	17.87	17.83			
100	PI2 BPSK	135	0	17.78	17.68	17.79	18.7	0.0	
100	PI2 BPSK	135	80	17.80	17.67	17.75	18.7	0.0	
100	PI2 BPSK	135	138	17.82	17.84	17.71	18.7	0.0	
100	PI2 BPSK	270	0	17.82	17.84	17.81			
100	QPSK	1	1	17.85	17.85	17.85			
100	QPSK	1	137	17.87	17.85	17.83	18.7	0.0	
100	QPSK	1	271	17.88	17.88	17.80			
100	QPSK	135	0	17.88	17.88	17.78	18.7	0.0	
100	QPSK	135	80	17.88	17.88	17.88	18.7	0.0	
100	QPSK	135	138	17.88	17.81	17.77	18.7	0.0	
100	QPSK	270	0	17.84	17.85	17.75			
100	16QAM	1	1	17.75	17.86	17.82	18.7	0.0	
100	16QAM	1	1	17.88	17.88	17.84	18.7	0.0	
100	16QAM	1	1	17.71	17.75	17.78	18.7	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	17.12	17.14	17.11	18.7	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.02	17.05	16.95	18.7	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	17.13	17.17	16.99	18.7	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	17.05	17.04	16.97	18.7	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	17.08	16.79	17.12	18.7	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	17.10	17.11	17.01	18.7	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.43	16.45	16.45	18.7	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	16.99	17.17	16.96	18.7	0.0	

Part27Q n77_Ant_2_PC3 DSi3 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Media Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1			15.03				
100	PI2 BPSK	1	137		15.12		15.7		
100	PI2 BPSK	1	271		15.08				
100	PI2 BPSK	135	0		14.95		15.7	0.0	
100	PI2 BPSK	135	80		14.91		15.7	0.0	
100	PI2 BPSK	135	138		15.07		15.7	0.0	
100	PI2 BPSK	270	0		15.14		15.7	0.0	
100	QPSK	1	1		15.15		15.7		
100	QPSK	1	137		15.03		15.7	0.0	
100	QPSK	1	271		15.15		15.7		
100	QPSK	135	0		15.13		15.7	0.0	
100	QPSK	135	80		15.05		15.7	0.0	
100	QPSK	135	138		14.93		15.7	0.0	
100	QPSK	270	0		15.08		15.7	0.0	
100	16QAM	1	1		15.16		15.7	0.0	
100	16QAM	1	1		15.13		15.7	0.0	
100	16QAM	1	1		14.93		15.7	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	14.90	14.93	14.95	15.7	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	14.83	14.90	14.84	15.7	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	14.81	14.81	14.88	15.7	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	14.80	14.82	14.80	15.7	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	14.79	14.80	14.88	15.7	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	14.81	14.81	14.86	15.7	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	14.80	14.87	14.85	15.7	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	14.79	14.85	14.85	15.7	0.0	

Part27Q n77_Ant_2_PC2 DSi3 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Media Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1		17.88					
100	PI2 BPSK	1	137	17.88			18.7	0.0	
100	PI2 BPSK	156	0	18.13					
100	PI2 BPSK	156	0	17.52					
100	PI2 BPSK	156	136	17.88			18.7	0.0	
100	PI2 BPSK	213	0	18.13					
100	PI2 BPSK	213	0	17.52					
100	PI2 BPSK	1	137	18.00			18.7	0.0	
100	PI2 BPSK	1	137	18.13					
100	PI2 BPSK	156	0	18.52					
100	PI2 BPSK	156	136	17.88			18.7	0.0	
100	PI2 BPSK	213	0	17.27			18.7	0.0	
100	PI2 BPSK	213	0	17.52			18.7	0.0	
100	PI2 BPSK	1	137	18.13			18.7	0.0	
100	PI2 BPSK	1	137	18.13			17.1	0.0	
Channel									
50	PI2 BPSK	63	0	18.0000	18.5324	18.9808	Turn-up time	MPR	
50	PI2 BPSK	63	0	17.00	18.00	18.5324	Turn-up time	MPR	
50	PI2 BPSK	63	0	18.0000	18.5324	18.9808	Turn-up time	MPR	
50	PI2 BPSK	63	0	17.00	17.50	18.00	Turn-up time	MPR	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	18.13	18.17	19.39	18.7	0.0	
50	PI2 BPSK	1	0	18.13	18.17	19.39	18.7	0.0	
50	PI2 BPSK	1	0	18.13	18.17	19.39	18.7	0.0	
50	PI2 BPSK	1	0	18.13	18.17	19.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50	PI2 BPSK	1	0	17.13	17.17	18.39	18.7	0.0	
50									

Part270 n78 Ant2_PC3 DSI3 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Frac.	Power Max Ch./Frac.	Power High Ch./Frac.	Turnup time (dBm)	MPN (dB)	
Channel									
Frequency (MHz)									
100	PI2-BPSK	1	1		14.75				
100	PI2-BPSK	1	137		14.89		15.7	0.0	
100	PI2-BPSK	1	271		14.77				
100	PI2-BPSK	135	0		14.88		15.7	0.0	
100	PI2-BPSK	135	0		14.86		15.7	0.0	
100	PI2-BPSK	135	136		14.79		15.7	0.0	
100	PI2-BPSK	270	0		14.77				
100	PI2-BPSK	270	0		14.75				
100	QPSK	1	1		15.02				
100	QPSK	1	137		14.87		15.7	0.0	
100	QPSK	1	271		14.83				
100	QPSK	135	0		14.70		15.7	0.0	
100	QPSK	135	0		14.76		15.7	0.0	
100	QPSK	135	136		14.83		15.7	0.0	
100	QPSK	270	0		14.75		15.7	0.0	
100	16QAM	1	1		14.75		15.7	0.0	
100	16QAM	1	1		14.84		15.7	0.0	
100	16QAM	1	1		14.85		15.7	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1		14.24	14.00	14.60	15.7	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1		14.29	14.85	14.50	15.7	0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1		14.85	14.83	14.80	15.7	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1		14.78	14.87	14.80	15.7	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1		14.83	14.30	14.64	15.7	0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1		14.25	14.79	14.60	15.7	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1		14.40	14.89	14.60	15.7	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1		14.81	14.91	14.80	15.7	0.0

Part27Q n78_Ant 2_PC3 DSI3 Standalone								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Max Ch. (Frac.)	Power High Ch. (Frac.)	Turnup time (dBm)	MPN (dB)
Channel								
Frequency (MHz)								
100	PI2-BPSK	1	1	14.03				
100	PI2-BPSK	1	137		14.12		15.7	0.0
100	PI2-BPSK	1	271		14.05			
100	PI2-BPSK	135	0		13.95		15.7	0.0
100	PI2-BPSK	135	0		13.87		15.7	0.0
100	PI2-BPSK	135	136		14.07		15.7	0.0
100	PI2-BPSK	270	0		14.14			
100	QPSK	1	1		14.15			
100	QPSK	1	137		14.03		15.7	0.0
100	QPSK	1	271		14.13			
100	QPSK	135	0		14.15		15.7	0.0
100	QPSK	135	0		14.01		15.7	0.0
100	QPSK	135	136		13.92		15.7	0.0
100	QPSK	270	0		14.08		15.7	0.0
100	16QAM	1	1		14.15		15.7	0.0
100	16QAM	1	1		14.13		15.7	0.0
100	16QAM	1	1		13.90		15.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	14.83	14.80	14.84	15.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	14.79	14.85	14.80	15.7	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	14.81	14.81	14.80	15.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	14.80	14.87	14.80	15.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	14.81	14.81	14.80	15.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	14.79	14.85	14.80	15.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	14.80	14.89	14.80	15.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	14.79	14.85	14.80	15.7	0.0

Par270 n77 Ant2_PC3 DSi3 Simultaneous

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 (Watt)	Power Media Ch.1 (Watt)	Power High Ch.1 (Watt)	Turn-up time (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	12.32	13.37	13.38		
100	PI2 BPSK	1	137	13.42	13.35	13.32	14.4	0.0
100	PI2 BPSK	1	271	13.37	13.43	13.38		
100	PI2 BPSK	135	0	13.24	13.37	13.39	14.4	0.0
100	PI2 BPSK	135	88	13.25	13.34	13.33	14.4	0.0
100	PI2 BPSK	135	138	13.28	13.29	13.47	14.4	0.0
100	PI2 BPSK	270	0	13.21	13.28	13.26		
100	QPSK	1	1	13.45	13.35	13.35		
100	QPSK	1	137	13.31	13.18	13.16	14.4	0.0
100	QPSK	1	271	13.46	13.42	13.35		
100	QPSK	135	0	13.47	13.45	13.39	14.4	0.0
100	QPSK	135	88	13.4	13.46	13.39	14.4	0.0
100	QPSK	135	138	13.30	13.38	13.39	14.4	0.0
100	QPSK	270	0	13.27	13.44	13.26		
100	16QAM	1	1	13.37	13.31	13.29	14.4	0.0
100	16QAM	1	1	13.36	13.48	13.36	14.4	0.0
100	16QAM	1	1	13.45	13.35	13.35	14.4	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	13.27	13.37	13.44	14.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	13.31	13.21	13.29	14.4	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	13.49	13.45	13.35	14.4	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	13.38	13.36	13.43	14.4	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	13.42	13.35	13.34	14.4	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	13.31	13.29	13.29	14.4	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	13.23	13.31	13.29	14.4	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	13.40	13.42	13.28	14.4	0.0

Par270 n77 Ant2_PC2 DSi3 Simultaneous

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 (Watt)	Power Media Ch.1 (Watt)	Power High Ch.1 (Watt)	Turn-up time (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	16.50	16.65	16.76		
100	PI2 BPSK	1	137	17.04	16.99	16.95	17.4	0.0
100	PI2 BPSK	1	271	17.03	17.05	17.03		
100	PI2 BPSK	135	0	16.38	17.04	17.09	17.4	0.0
100	PI2 BPSK	135	88	17.01	17.09	16.98	17.4	0.0
100	PI2 BPSK	135	138	16.97	17.01	17.11	17.4	0.0
100	PI2 BPSK	270	0	16.95	16.95	16.90		
100	QPSK	1	1	17.09	17.05	17.09		
100	QPSK	1	137	16.88	16.88	16.79	17.4	0.0
100	QPSK	1	271	17.11	17.05	17.05		
100	QPSK	135	0	16.93	17.01	17.05	17.4	0.0
100	QPSK	135	88	17.06	17.06	17.06	17.4	0.0
100	QPSK	135	138	16.94	17.05	17.10	17.4	0.0
100	QPSK	270	0	17.02	17.06	16.92		
100	16QAM	1	1	16.95	16.96	16.96	17.4	0.0
100	16QAM	1	1	16.98	17.14	16.97	17.4	0.0
100	16QAM	1	1	17.04	17.06	16.98	17.4	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	17.09	17.10	17.09	17.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	16.99	17.05	16.99	17.4	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	16.84	16.93	17.00	17.4	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	16.95	16.99	16.93	17.4	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	17.01	17.02	16.96	17.4	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	17.03	17.05	16.94	17.4	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	16.89	16.88	16.78	17.4	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	17.06	17.05	17.03	17.4	0.0

Part27Q n77_Ant_2_PC3 DSi3 Simultaneous

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 (Watt)	Power Media Ch.1 (Watt)	Power High Ch.1 (Watt)	Turn-up time (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		13.34			
100	PI2 BPSK	1	137		13.31		14.4	0.0
100	PI2 BPSK	1	271		13.35			
100	PI2 BPSK	135	0		13.27		14.4	0.0
100	PI2 BPSK	135	88		13.28			
100	PI2 BPSK	135	138		13.39			
100	PI2 BPSK	270	0		13.26		14.4	0.0
100	QPSK	1	1		13.31			
100	QPSK	1	137		13.29		14.4	0.0
100	QPSK	1	271		13.39			
100	QPSK	135	0		13.29			
100	QPSK	135	88		13.34		14.4	0.0
100	QPSK	135	138		13.34			
100	QPSK	270	0		13.25		14.4	0.0
100	16QAM	1	1		13.37		14.4	0.0
100	16QAM	1	1		13.35		14.4	0.0
100	16QAM	1	1		14.33		14.4	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	13.34	13.37	13.08	14.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	13.37	13.37	13.36	14.4	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	13.36	13.25	13.25	14.4	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	13.89	13.42	13.30	14.4	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	13.87	13.31	13.28	14.4	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	13.87	13.29	13.30	14.4	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	14.05	13.12	13.16	14.4	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	13.95	13.46	13.36	14.4	0.0

Part27Q n77_Ant_2_PC2 DSi3 Simultaneous

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 (Watt)	Power Media Ch.1 (Watt)	Power High Ch.1 (Watt)	Turn-up time (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		17.05			
100	PI2 BPSK	1	137		17.06		17.4	0.0
100	PI2 BPSK	1	271		17.08			
100	PI2 BPSK	135	0		17.07			
100	PI2 BPSK	135	88		17.03		17.4	0.0
100	PI2 BPSK	135	138		17.06			
100	PI2 BPSK	270	0		16.86		17.4	0.0
100	QPSK	1	1		17.12			
100	QPSK	1	137		17.15		17.4	0.0
100	QPSK	1	271		17.11			
100	QPSK	135	0		17.02			
100	QPSK	135	88		17.04		17.4	0.0
100	QPSK	135	138		16.99			
100	QPSK	270	0		16.89		17.4	0.0
100	16QAM	1	1		17.09		17.4	0.0
100	16QAM	1	1		16.96		17.4	0.0
100	16QAM	1	1		17.07		17.4	0.0
Channel								
Frequency (MHz)				13.0000				
Channel				16.0				
50	QPSK	1	1	17.05	16.86	16.94	16.94	0.0
Channel								
Frequency (MHz)				13.0168	13.0334	13.0500	16.94	MPR
50	QPSK	1	1	16.91	16.72	16.83	16.83	0.0
Channel								
Frequency (MHz)				13.0334	13.0500	13.0666	16.94	MPR
50	QPSK	1	1	16.76	16.57	16.68	16.68	0.0
Channel								
Frequency (MHz)				13.0500	13.0666	13.0833	16.94	MPR
50	QPSK	1	1	16.61	16.42	16.53	16.53	0.0
Channel								
Frequency (MHz)				13.0666	13.0833	13.1000	16.94	MPR
50	QPSK	1	1	16.46	16.27	16.38	16.38	0.0
Channel								
Frequency (MHz)				13.0833	13.1000	13.1166	16.94	MPR
50	QPSK	1	1	16.31	16.12	16.23	16.23	0.0
Channel								
Frequency (MHz)				13.1000	13.1166	13.1333	16.94	MPR
50	QPSK	1	1	16.16	15.97	16.08	16.08	0.0
Channel								
Frequency (MHz)				13.1166	13.1333	13.1500	16.94	MPR
50	QPSK	1	1	16.01	15.82	15.93	15.93	0.0
Channel								
Frequency (MHz)				13.1333	13.1500	13.1666	16.94	MPR
50	QPSK	1	1	15.86	15.67	15.78	15.78	0.0
Channel								
Frequency (MHz)				13.1500	13.1666	13.1833	16.94	MPR
50	QPSK	1	1	15.71	15.52	15.63	15.63	0.0
Channel								
Frequency (MHz)				13.1666	13.1833	13.2000	16.94	MPR
50	QPSK	1	1	15.56	15.37	15.48	15.48	0.0
Channel								
Frequency (MHz)				13.1833	13.2000	13.2166	16.94	MPR
50	QPSK	1	1	15.41	15.22	15.33	15.33	0.0
Channel								
Frequency (MHz)				13.2000	13.2166	13.2333	16.94	MPR
50	QPSK	1	1	15.26	15.07	15.18	15.18	0.0
Channel								
Frequency (MHz)				13.2166	13.2333	13.2500	16.94	MPR
50	QPSK	1	1	15.11	14.92	15.03	15.03	0.0
Channel								
Frequency (MHz)				13.2333	13.2500	13.2666	16.94	MPR
50	QPSK	1	1	14.96	14.77	14.88	14.88	0.0
Channel								
Frequency (MHz)				13.2500	13.2666	13.2833	16.94	MPR
50	QPSK	1	1	14.81	14.62	14.73	14.73	0.0
Channel								
Frequency (MHz)				13.2666	13.2833	13.3000	16.94	MPR
50	QPSK	1	1	14.66	14.47	14.58	14.58	0.0
Channel								
Frequency (MHz)				13.2833	13.3000	13.3166	16.94	MPR
50	QPSK	1	1	14.51	14.32	14.43	14.43	0.0
Channel								
Frequency (MHz)				13.3000	13.3166	13.3333	16.94	MPR
50	QPSK	1	1	14.36	14.17	14.28	14.28	0.0
Channel								
Frequency (MHz)				13.3166	13.3333	13.3500	16.94	MPR
50	QPSK	1	1	14.21	14.02	14.13	14.13	0.0
Channel								
Frequency (MHz)				13.3333	13.3500	13.3666	16.94	MPR
50	QPSK	1	1	14.06	13.87	13.98	13.98	0.0
Channel								
Frequency (MHz)				13.3500	13.3666	13.3833	16.94	MPR
50	QPSK	1	1	13.91	13.72	13.83	13.83	0.0
Channel								
Frequency (MHz)				13.3666	13.3833	13.4000	16.94	MPR
50	QPSK	1	1	13.76	13.57	13.68	13.68	0.0
Channel								
Frequency (MHz)				13.3833	13.4000	13.4166	16.94	MPR
50	QPSK	1	1	13.61	13.42	13.53	13.53	0.0
Channel								
Frequency (MHz)				13.4000	13.4166	13.4333	16.94	MPR
50	QPSK	1	1	13.46	13.27	13.38	13.38	0.0
Channel								
Frequency (MHz)				13.4166	13.4333	13.4500	16.94	MPR
50	QPSK	1	1	13.31	13.12	13.23	13.23	0.0
Channel								
Frequency (MHz)				13.4333	13.4500	13.4666	16.94	MPR
50	QPSK	1	1	13.16	12.97	13.08	13.08	0.0
Channel								
Frequency (MHz)				13.4500	13.4666	13.4833	16.94	MPR
50	QPSK	1	1	13.01	12.82	12.93	12.93	0.0
Channel								
Frequency (MHz)				13.4666	13.4833	13.5000	16.94	MPR
50	QPSK	1	1	12.86	12.67	12.78	12.78	0.0
Channel								
Frequency (MHz)				13.4833	13.5000	13.5166	16.94	MPR
50	QPSK	1	1	12.71	12.52	12.63	12.63	0.0
Channel								
Frequency (MHz)				13.5000	13.5166	13.5333	16.94	MPR
50	QPSK	1	1	12.56	12.37	12.48	12.48	0.0
Channel								
Frequency (MHz)				13.5166	13.5333	13.5500	16.94	MPR
50	QPSK	1	1	12.41	12.22	12.33	12.33	0.0
Channel								
Frequency (MHz)				13.5333	13.5500	13.5666	16.94	MPR
50	QPSK	1	1	12.26	12.07	12.18	12.18	0.0
Channel								
Frequency (MHz)				13.5500	13.5666	13.5833	16.94	MPR
50	QPSK	1	1	12.11	11.92	12.03	12.03	0.0
Channel								
Frequency (MHz)				13.5666	13.5833	13.6000	16.94	MPR
50	QPSK	1	1	11.96	11.77	11.88	11.88	0.0
Channel								
Frequency (MHz)				13.5833	13.6000	13.6166	16.94	MPR
50	QPSK	1	1	11.81	11.62	11.73	11.73	0.0
Channel								
Frequency (MHz)				13.6000	13.6166	13.6333	16.94	MPR
50	QPSK	1	1	11.66	11.47	11.58	11.58	0.0
Channel								
Frequency (MHz)				13.6166	13.6333	13.6500	16.94	MPR
50	QPSK	1	1	11.51	11.32	11.43	11.43	0.0
Channel								
Frequency (MHz)				13.6333	13.6500	13.6666	16.94	MPR
50	QPSK	1	1	11.36	11.17	11.28	11.28	0.0
Channel								
Frequency (MHz)				13.6500	13.6666	13.6833	16.94	MPR
50	QPSK	1	1	11.21	11.02	11.13	11.13	0.0
Channel								
Frequency (MHz)				13.6666	13.6833	13.7000	16.94	MPR
50	QPSK	1	1	11.06	10.87	10.98	10.98	0.0
Channel								
Frequency (MHz)				13.6833	13.7000	13.7166	16.94	MPR
50	QPSK	1	1	10.91	10.72	10.83	10.83	0.0
Channel								
Frequency (MHz)				13.7000	13.7166	13.7333	16.94	MPR
50	QPSK	1	1	10.76	10.57	10.68	10.68	0.0
Channel								
Frequency (MHz)				13.7166	13.7333	13.7500	16.94	MPR
50	QPSK	1	1	10.61	10.42	10.53	10.53	0.0
Channel								
Frequency (MHz)				13.7333	13.7500	13.7666	16.94	MPR
50	QPSK	1	1	10.46	10.27	10.38	10.38	0.0
Channel								
Frequency (MHz)				13.7500	13.7666	13.7833	16.94	MPR
50	QPSK	1	1	10.31	10.12	10.23	10.23	0.0
Channel								
Frequency (MHz)				13.7666	13.7833	13.8000	16.94	MPR
50	QPSK	1	1	10.16	9.97	10.08	10.08	0.0
Channel								
Frequency (MHz)				13.7833	13.8000	13.8166	16.94	MPR
50	QPSK	1	1	10.01	9.82	9.93	9.93	0.0
Channel								
Frequency (MHz)				13.8000	13.8166	13.8333	16.94	MPR
50	QPSK	1	1	9.86	9.67	9.78	9.78	0.0
Channel								
Frequency (MHz)				13.8166	13.8333	13.8500	16.94	MPR
50	QPSK	1	1	9.71	9.52	9.63	9.63	0.0
Channel								
Frequency (MHz)				13.8333	13.8500	13.8666	16.94	MPR
50	QPSK	1	1	9.56	9.37	9.48	9.48	0.0
Channel								
Frequency (MHz)				13.8500	13.8666	13.8833	16.94	MPR
50	QPSK	1	1	9.41	9.22	9.33	9.33	0.0
Channel								
Frequency (MHz)				13.8666	13.8833	13.9000	16.94	MPR
50	QPSK	1	1	9.26	9.07	9.18	9.18	0.0
Channel								
Frequency (MHz)				13.8833	13.9000	13.9166	16.94	MPR
50	QPSK	1	1	9.11	8.92	9.03	9.03	0.0
Channel								
Frequency (MHz)				13.9000	13.9166	13.9333	16.94	MPR
50	QPSK	1	1	8.96	8.77	8.88	8.88	0.0
Channel								
Frequency (MHz)				13.9166	13.9333	13.9500	16.94	MPR
50	QPSK	1	1	8.81	8.62	8.73	8.73	0.0
Channel								
Frequency (MHz)				13.9333	13.9500	13.9666	16.94	MPR
50	QPSK	1	1	8.66	8.47	8.58	8.58	0.0
Channel								
Frequency (MHz)				13.9500	13.9666	13.9833	16.94	MPR
50	QPSK	1	1	8.51	8.32	8.43	8.43	0.0
Channel								
Frequency (MHz)				13.9666	13.9833	14.0000	16.94	MPR
50	QPSK	1	1	8.36	8.17	8.28	8.28	0.0
Channel								
Frequency (MHz)				13.9833	14.0000	14.0166	16.94	MPR
50	QPSK	1	1	8.21	8.02	8.13	8.13	0.0
Channel								
Frequency (MHz)				14.0000	14.0166	14.0333	16.94	MPR
50	QPSK	1	1	8.06	7.87	7.98	7.98	0.0
Channel								
Frequency (MHz)				14.0166	14.0333	14.0500	16.94	MPR
50	QPSK	1	1	7.91	7.72	7.83	7.83	0.0
Channel								
Frequency (MHz)				14.0333	14.0500	14.0666	16.94	MPR
50	QPSK	1	1	7.76	7.57	7.68	7.68	0.0
Channel								
Frequency (MHz)				14.0500	14.0666	14.0833	16.94	MPR
50	QPSK	1	1	7.61	7.42	7.53	7.53	0.0
Channel								
Frequency (MHz)				14.0666	14.0833	14.1000	16.94	MPR
50	QPSK	1	1	7.46	7.27	7.38	7.38	0.0
Channel								
Frequency (MHz)				14.0833	14.1000	14.1166	16.94	MPR
50	QPSK	1	1	7.31	7.12	7.23	7.23	0.0
Channel								
Frequency (MHz)				14.1000	14.1166	14.1333	16.94	MPR
50	QPSK	1	1	7.16	6.97	7.08	7.08	0.0
Channel								
Frequency (MHz)				14.1166	14.1333	14.1500	16.94	MPR
50	QPSK	1	1	7.01	6.82	6.93	6.93	0.0
Channel								
Frequency (MHz)				14.1333	14.1500	14.1666	16.94	MPR
50	QPSK	1	1	6.86	6.67	6.78	6.78	0.0
Channel								
Frequency (MHz)				14.1500	14.1666	14.1833	16.94	MPR
50	QPSK	1	1	6.71	6.52	6.63	6.63	0.0
Channel								
Frequency (MHz)								

Part27O n78 Ant2_PC3 DS13 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Main Ch. (Frac.)	Power Main Ch. (Frac.)	Power Main Ch. (Frac.)	Tune-up time (dBm)	MPN (dB)	
Channel									
Frequency (MHz)									
100	PI2-BPSK	1	1		13.88				
100	PI2-BPSK	1	137		13.24		14.4	0.0	
100	PI2-BPSK	1	271		13.34				
100	PI2-BPSK	135	0		13.28		14.4	0.0	
100	PI2-BPSK	135	0		13.23		14.4	0.0	
100	PI2-BPSK	135	136		13.18		14.4	0.0	
100	PI2-BPSK	270	0		13.17				
100	QPSK	1	1		13.47				
100	QPSK	1	137		13.97		14.4	0.0	
100	QPSK	1	271		13.31				
100	QPSK	135	0		13.34		14.4	0.0	
100	QPSK	135	0		13.36		14.4	0.0	
100	QPSK	135	136		13.27		14.4	0.0	
100	QPSK	270	0		13.23		14.4	0.0	
100	SSB-QAM	1	1		13.25		14.4	0.0	
100	SSB-QAM	1	1		13.30		14.4	0.0	
100	SSB-QAM	1	1		13.24		14.4	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1		13.77	13.37	13.30	14.4	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1		13.94	12.97	13.09	14.4	0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1		13.75	13.28	13.25	14.4	0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1		13.78	13.42	13.30	14.4	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1		13.57	13.29	13.30	14.4	0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1		13.85	13.44	13.35	14.4	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1		13.88	13.48	13.36	14.4	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1		13.76	13.28	13.25	14.4	0.0

Part27Q n78_Ant_2_PC3 DS13 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Frac.	Power Mains Ch./Frac.	Power High Ch./Frac.	Tune-up time (dBm)	MPN (dB)	
Channel									
Frequency (MHz)									
100	PI2-BPSK	1	1		13.34				
100	PI2-BPSK	1	137		13.31		14.4	0.0	
100	PI2-BPSK	1	271		13.85				
100	PI2-BPSK	135	0		13.77		14.4	0.0	
100	PI2-BPSK	135	0		13.60		14.4	0.0	
100	PI2-BPSK	135	136		13.99		14.4	0.0	
100	PI2-BPSK	270	0		13.76				
100	QPSK	1	1		13.85				
100	QPSK	1	137		13.80		14.4	0.0	
100	QPSK	1	271		13.80				
100	QPSK	135	0		13.85		14.4	0.0	
100	QPSK	135	0		13.87		14.4	0.0	
100	QPSK	135	136		13.86		14.4	0.0	
100	QPSK	270	0		13.89		14.4	0.0	
100	SSB-QAM	1	1		13.97		14.4	0.0	
100	SSB-QAM	1	1		13.95		14.4	0.0	
100	SSB-QAM	1	1		14.00		14.4	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1		13.99	13.36	13.30	14.4	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1		13.79	13.28	13.20	14.4	0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1		13.85	13.45	13.30	14.4	0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1		13.89	13.42	13.30	14.4	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1		13.89	13.45	13.30	14.4	0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1		13.85	13.44	13.26	14.4	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1		13.78	13.28	13.20	14.4	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1		13.99	13.42	13.30	14.4	0.0

Par270 n77 Ant7_PC3 DS13 standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Max Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	17.24	17.14	17.12			
100	PI2 BPSK	1	137	18.93	17.89	17.80	18.2	0.0	
100	PI2 BPSK	1	271	17.05	17.04	17.12			
100	PI2 BPSK	135	0	18.98	18.99	18.97	18.2	0.0	
100	PI2 BPSK	135	80	17.20	17.07	17.13	18.2	0.0	
100	PI2 BPSK	135	138	18.99	17.82	17.13	18.2	0.0	
100	PI2 BPSK	270	0	18.94	18.95	17.00			
100	QPSK	1	1	17.18	17.05	17.00			
100	QPSK	1	137	18.89	18.88	18.89	18.2	0.0	
100	QPSK	1	271	18.98	18.98	18.98			
100	QPSK	135	0	18.98	18.87	18.89	18.2	0.0	
100	QPSK	135	80	18.94	18.91	18.78	18.2	0.0	
100	QPSK	135	138	18.97	18.15	18.75	18.2	0.0	
100	QPSK	270	0	17.10	17.14	17.07			
100	16QAM	1	1	17.24	17.20	17.20	18.2	0.0	
100	16QAM	1	1	17.11	17.21	17.13	18.2	0.0	
100	16QAM	1	1	17.15	17.06	17.02	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.07	17.10	17.09	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.09	17.09	18.99	18.2	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	17.13	17.09	17.17	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.09	17.09	18.99	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.16	17.08	17.03	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.17	17.10	17.14	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.10	17.18	17.03	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.10	17.18	17.03	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.10	17.18	17.03	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.10	17.18	17.03	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.10	17.18	17.03	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.10	17.18	17.03	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.10	17.18	17.03	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.10	17.18	17.03	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.10	17.18	17.03	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.10	17.18	17.03	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.10	17.18	17.03	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.10	17.18	17.03	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.10	17.18	17.03	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.10	17.18	17.03	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.10	17.18	17.03	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.10	17.18	17.03	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.10	17.18	17.03	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.10	17.18	17.03	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.10	17.18	17.03	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.10	17.18	17.03	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.10	17.18	17.03	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.10	17.18	17.03	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.10	17.18	17.03	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.10	17.18	17.03	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.10	17.18	17.03	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.10	17.18	17.03	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.10	17.18	17.03	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.10	17.18	17.03	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.10	17.18	17.03	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.10	17.18	17.03	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.10	17.18	17.03	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.10	17.18	17.03	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.10	17.18	17.03	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.10	17.18	17.03	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.10	17.18	17.03	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.10	17.18	17.03	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.10	17.18	17.03	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.10	17.18	17.03	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.10	17.18	17.03	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.10	17				

Part270 n78 Ant7_PC3 DSI3 standalone								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Max Ch. (Frac.)	Power High Ch. (Frac.)	Tune-up time (dBm)	MPN (dB)
Channel								
Frequency (MHz)								
100	PI2-BPSK	1	1		17.02			
100	PI2-BPSK	1	137		16.88		16.2	0.0
100	PI2-BPSK	1	271		16.92			
100	PI2-BPSK	135	0		16.87		16.2	0.0
100	PI2-BPSK	135	0		16.86		16.2	0.0
100	PI2-BPSK	135	136		16.86		16.2	0.0
100	PI2-BPSK	270	0		16.83			
100	QPSK	1	1		17.16			
100	QPSK	1	137		16.76		16.2	0.0
100	QPSK	1	271		16.86			
100	QPSK	135	0		17.06		16.2	0.0
100	QPSK	135	0		16.84		16.2	0.0
100	QPSK	135	136		16.83		16.2	0.0
100	QPSK	270	0		17.02			
100	16QAM	1	1		17.06		16.2	0.0
100	16QAM	1	1		17.09		16.2	0.0
100	16QAM	1	1		16.94		16.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	17.22	17.12	17.15	16.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	17.09	17.17	17.05	16.2	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	17.16	17.14	17.05	16.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	17.22	17.16	17.16	16.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	17.17	17.26	17.15	16.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	17.19	17.14	17.19	16.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	17.22	17.22	17.20	16.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	17.15	17.16	17.22	16.2	0.0

Part270 n78_Ant 7_PC3 DSI3 standalone								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Max Ch. (Frac.)	Power High Ch. (Frac.)	Tune-up time (dBm)	MPN (dB)
Channel								
Frequency (MHz)								
100	PI2-BPSK	1	1		17.15			
100	PI2-BPSK	1	137		17.26		16.2	0.0
100	PI2-BPSK	1	271		17.03			
100	PI2-BPSK	135	0		17.11		16.2	0.0
100	PI2-BPSK	135	0		17.06		16.2	0.0
100	PI2-BPSK	135	136		17.02		16.2	0.0
100	PI2-BPSK	270	0		17.03			
100	QPSK	1	1		17.25			
100	QPSK	1	137		17.12		16.2	0.0
100	QPSK	1	271		17.05			
100	QPSK	135	0		17.12		16.2	0.0
100	QPSK	135	0		17.06		16.2	0.0
100	QPSK	135	136		16.98		16.2	0.0
100	QPSK	270	0		17.08			
100	16QAM	1	1		17.16		16.2	0.0
100	16QAM	1	1		17.16		16.2	0.0
100	16QAM	1	1		17.14		16.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	17.26	17.22	17.25	16.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	17.19	17.26	17.20	16.2	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	17.23	17.22	17.25	16.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	17.24	17.24	17.23	16.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	17.31	17.30	17.28	16.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	17.13	17.27	17.20	16.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	17.22	17.26	17.22	16.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	17.16	17.26	17.15	16.2	0.0

Par270 n77_Ant7_PC3 DS13 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 (Frac)	Power Modu Ch.1 (Frac)	Power High Ch.1 (Frac)	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	16.02	16.01	16.03			
100	PI2 BPSK	1	137	16.09	16.02	16.03	16.9	0.0	
100	PI2 BPSK	1	271	15.98	15.93	15.96			
100	PI2 BPSK	135	0	15.95	15.92	15.93	16.9	0.0	
100	PI2 BPSK	135	86	16.03	16.01	16.02	16.9	0.0	
100	PI2 BPSK	135	138	16.21	16.17	16.18	16.9	0.0	
100	PI2 BPSK	270	0	15.96	15.92	15.92			
100	QPSK	1	1	15.97	15.92	15.92			
100	QPSK	1	137	16.01	16.03	16.00	16.9	0.0	
100	QPSK	1	271	15.93	15.92	15.90			
100	QPSK	135	0	16.13	16.08	16.10	16.9	0.0	
100	QPSK	135	86	16.06	16.06	16.03	16.9	0.0	
100	QPSK	135	138	16.12	16.10	16.10	16.9	0.0	
100	QPSK	270	0	16.04	16.13	16.10			
100	16QAM	1	1	16.15	16.20	16.12	16.9	0.0	
100	16QAM	1	1	16.07	16.10	16.17	16.9	0.0	
100	16QAM	1	1	16.16	16.02	16.01	16.9	0.0	
Channel									
80	QPSK	1	1	16.02	16.00	16.02	Turn-up time (dBm)	MPR (dB)	
Frequency (MHz)									
80	QPSK	1	1	16.10	16.05	16.05	16.9	0.0	
Channel									
80	QPSK	1	1	16.04	16.01	16.02	Turn-up time (dBm)	MPR (dB)	
Frequency (MHz)									
80	QPSK	1	1	16.04	16.11	15.97	16.9	0.0	
Channel									
70	QPSK	1	1	16.02	16.16	16.03	16.9	0.0	
Frequency (MHz)									
70	QPSK	1	1	16.02	16.00	16.02	Turn-up time (dBm)	MPR (dB)	
Frequency (MHz)									
80	QPSK	1	1	15.98	16.00	16.01	16.9	0.0	
Channel									
80	QPSK	1	1	15.99	16.17	16.03	16.9	0.0	
Channel									
80	QPSK	1	1	15.96	16.05	16.00	Turn-up time (dBm)	MPR (dB)	
Frequency (MHz)									
80	QPSK	1	1	15.96	16.00	16.00	Turn-up time (dBm)	MPR (dB)	
Channel									
30	QPSK	1	1	15.93	16.24	16.02	16.9	0.0	
Frequency (MHz)									
30	QPSK	1	1	15.93	16.18	15.96	16.9	0.0	

Par270 n77_Ant7_PC2 DS13 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 (Frac)	Power Modu Ch.1 (Frac)	Power High Ch.1 (Frac)	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	16.24	16.22	16.11			
100	PI2 BPSK	1	137	16.26	16.17	16.26	19.9	0.0	
100	PI2 BPSK	1	271	16.18	16.17	16.04			
100	PI2 BPSK	135	0	16.08	16.14	16.13	19.9	0.0	
100	PI2 BPSK	135	86	16.14	16.08	16.26	19.9	0.0	
100	PI2 BPSK	135	138	16.37	16.30	16.37	19.9	0.0	
100	PI2 BPSK	270	0	16.08	16.08	16.10			
100	QPSK	1	1	16.15	16.21	16.20			
100	QPSK	1	137	16.20	16.25	16.14	19.9	0.0	
100	QPSK	1	271	16.00	16.02	16.06			
100	QPSK	135	0	16.03	16.12	16.07	19.9	0.0	
100	QPSK	135	86	16.01	16.10	16.04	19.9	0.0	
100	QPSK	135	138	16.30	16.36	16.30	19.9	0.0	
100	QPSK	270	0	16.11	16.10	16.07	19.9	0.0	
100	16QAM	1	1	16.07	16.07	16.06	19.9	0.0	
100	16QAM	1	1	16.16	16.25	16.26	19.9	0.0	
100	16QAM	1	1	16.25	16.20	16.26	19.9	0.0	
Channel									
80	QPSK	1	1	16.14	16.11	16.09	19.9	0.0	
Frequency (MHz)									
80	QPSK	1	1	16.04	16.00	16.00	Turn-up time (dBm)	MPR (dB)	
Frequency (MHz)									
80	QPSK	1	1	16.04	16.00	16.10	19.9	0.0	
Channel									
70	QPSK	1	1	16.14	16.07	16.03	19.9	0.0	
Frequency (MHz)									
70	QPSK	1	1	16.04	16.00	16.03	Turn-up time (dBm)	MPR (dB)	
Frequency (MHz)									
80	QPSK	1	1	16.10	16.22	16.10	19.9	0.0	
Channel									
80	QPSK	1	1	16.00	16.13	16.13	19.9	0.0	
Channel									
80	QPSK	1	1	16.00	16.00	16.00	Turn-up time (dBm)	MPR (dB)	
Frequency (MHz)									
80	QPSK	1	1	16.00	16.10	16.10	19.9	0.0	
Channel									
30	QPSK	1	1	16.13	16.22	16.04	19.9	0.0	
Frequency (MHz)									
30	QPSK	1	1	16.13	16.00	16.00	Turn-up time (dBm)	MPR (dB)	
Frequency (MHz)									
20	QPSK	1	1	16.00	16.16	16.00	19.9	0.0	

Part27Q n77_Ant7_PC3 DS13 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 (Frac)	Power Modu Ch.1 (Frac)	Power High Ch.1 (Frac)	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	16.15					
100	PI2 BPSK	1	137	16.20			16.9	0.0	
100	PI2 BPSK	1	271	16.15					
100	PI2 BPSK	135	0	16.15			16.9	0.0	
100	PI2 BPSK	135	86	16.14			16.9	0.0	
100	PI2 BPSK	135	138	16.27			16.9	0.0	
100	PI2 BPSK	270	0	16.16			16.9	0.0	
100	QPSK	1	1	16.15					
100	QPSK	1	137	16.17			16.9	0.0	
100	QPSK	1	271	16.22					
100	QPSK	135	0	16.28			16.9	0.0	
100	QPSK	135	86	16.24			16.9	0.0	
100	QPSK	135	138	16.27			16.9	0.0	
100	QPSK	270	0	16.30			16.9	0.0	
100	16QAM	1	1	16.26			16.9	0.0	
100	16QAM	1	1	16.24			16.9	0.0	
100	16QAM	1	1	16.27			16.9	0.0	
Channel									
80	QPSK	1	1	16.3000	16.3334	16.3666	Turn-up time (dBm)	MPR (dB)	
Frequency (MHz)									
80	QPSK	1	1	16.17	16.25	16.25	16.9	0.0	
Channel									
80	QPSK	1	1	16.21	16.24	16.23	16.9	0.0	
Channel									
70	QPSK	1	1	16.26	16.21	16.25	16.9	0.0	
Frequency (MHz)									
70	QPSK	1	1	16.21	16.22	16.22	Turn-up time (dBm)	MPR (dB)	
Frequency (MHz)									
80	QPSK	1	1	16.21	16.20	16.16	16.9	0.0	
Channel									
80	QPSK	1	1	16.21	16.22	16.16	16.9	0.0	
Frequency (MHz)									
80	QPSK	1	1	16.21	16.22	16.16	16.9	0.0	
Channel									
30	QPSK	1	1	16.22	16.24	16.20	16.9	0.0	
Frequency (MHz)									
30	QPSK	1	1	16.22	16.21	16.20	16.9	0.0	
Frequency (MHz)									
20	QPSK	1	1	16.32	16.30	16.34	16.9	0.0	

Part27Q n77_Ant7_PC2 DS13 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 (Frac)	Power Modu Ch.1 (Frac)	Power High Ch.1 (Frac)	Turn-up time (dBm)	MPR (dB)	

Part27Q n78 Ant 7_PC3 DS13 Simultaneous								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Max Ch. (Frac.)	Power High Ch. (Frac.)	Tune-up time (min)	MPN (dB)
Channel								
Frequency (MHz)								
100	PI2-BPSK	1	1		16.12			
100	PI2-BPSK	1	137		16.11		16.9	0.0
100	PI2-BPSK	1	271		15.86			
100	PI2-BPSK	135	0		16.13		16.9	0.0
100	PI2-BPSK	135	46		16.15		16.9	0.0
100	PI2-BPSK	135	136		15.88		16.9	0.0
100	PI2-BPSK	270	0		16.08			
100	QPSK	1	1		16.21			
100	QPSK	1	137		16.14		16.9	0.0
100	QPSK	1	271		15.93			
100	QPSK	135	0		16.18		16.9	0.0
100	QPSK	135	46		16.20		16.9	0.0
100	QPSK	135	136		15.76		16.9	0.0
100	QPSK	270	0		16.20			
100	16QAM	1	1		16.12		16.9	0.0
100	16QAM	1	1		16.15		16.9	0.0
100	16QAM	1	1		16.17		16.9	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1		16.04		16.15	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1		16.03		16.15	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1		16.15		16.17	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1		16.10		16.12	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1		16.11		16.02	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1		16.05		16.07	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1		16.12		16.03	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1		16.15		16.16	0.0

Part27Q n78_Ant 7_PC3 DS13 Simultaneous								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Max Ch. (Frac.)	Power High Ch. (Frac.)	Tune-up time (min)	MPN (dB)
Channel								
Frequency (MHz)								
100	PI2-BPSK	1	1		16.32			
100	PI2-BPSK	1	137		16.13		16.9	0.0
100	PI2-BPSK	1	271		15.21			
100	PI2-BPSK	135	0		16.34		16.9	0.0
100	PI2-BPSK	135	46		16.26		16.9	0.0
100	PI2-BPSK	135	136		16.12		16.9	0.0
100	PI2-BPSK	270	0		16.08			
100	QPSK	1	1		15.95			
100	QPSK	1	137		16.13		16.9	0.0
100	QPSK	1	271		15.26			
100	QPSK	135	0		16.05		16.9	0.0
100	QPSK	135	46		16.06		16.9	0.0
100	QPSK	135	136		15.28		16.9	0.0
100	QPSK	270	0		16.20			
100	16QAM	1	1		16.32		16.9	0.0
100	16QAM	1	1		16.27		16.9	0.0
100	16QAM	1	1		16.25		16.9	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1		16.21		16.27	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1		16.30		16.24	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1		16.23		16.26	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1		16.40		16.37	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1		16.24		16.23	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1		16.20		16.39	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1		16.29		16.39	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1		16.26		16.24	0.0



n2 Ant0 DSI6 Standalone								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000		
Frequency (MHz)				1860	1860	1900		
20	Pi/2 BPSK	1	1	20.81	20.91	20.86		
20	Pi/2 BPSK	1	53	20.87	20.93	20.88	22.1	0.0
20	Pi/2 BPSK	1	104	20.83	20.89	20.82		
20	Pi/2 BPSK	50	0	20.75	20.87	20.72	22.1	0.0
20	Pi/2 BPSK	50	28	20.76	20.92	20.77	22.1	0.0
20	Pi/2 BPSK	50	56	20.74	20.88	20.73	22.1	0.0
20	Pi/2 BPSK	100	0	20.67	20.83	20.79		
20	QPSK	1	1	20.98	21.05	20.97		
20	QPSK	1	53	20.87	20.96	20.81	22.1	0.0
20	QPSK	1	104	20.78	20.92	20.78		
20	QPSK	50	0	20.80	20.89	20.76	22.1	0.0
20	QPSK	50	28	20.80	20.91	20.81	22.1	0.0
20	QPSK	50	56	20.71	20.87	20.82	22.1	0.0
20	QPSK	100	0	20.82	20.88	20.80		
20	16QAM	1	1	20.96	21.01	20.97	22.1	0.0
20	64QAM	1	1	20.88	20.92	20.77	22.1	0.0
20	256QAM	1	1	19.23	19.26	19.23	20.5	1.6
Channel				374000	376000	378000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1880	1902.5		
15	QPSK	1	1	20.88	20.97	20.87	22.1	0.0
Channel				375000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1860	1865		
10	QPSK	1	1	20.87	20.89	20.84	22.1	0.0
Channel				376000	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1860	1867.5		
5	QPSK	1	1	20.85	20.90	20.87	22.1	0.0

n5 Ant0 DSI6 Standalone								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	Pi/2 BPSK	1	1	22.62	22.68	22.66		
20	Pi/2 BPSK	1	53	22.62	22.63	22.54	24.0	0.0
20	Pi/2 BPSK	1	104	22.46	22.60	22.41		
20	Pi/2 BPSK	50	0	22.50	22.55	22.49	24.0	0.0
20	Pi/2 BPSK	50	28	22.64	22.67	22.56	24.0	0.0
20	Pi/2 BPSK	50	56	22.50	22.56	22.41	24.0	0.0
20	Pi/2 BPSK	100	0	22.45	22.64	22.60		
20	QPSK	1	1	22.63	22.75	22.67		
20	QPSK	1	53	22.42	22.62	22.44	24.0	0.0
20	QPSK	1	104	22.47	22.60	22.55		
20	QPSK	50	0	22.49	22.58	22.41	24.0	0.0
20	QPSK	50	28	22.62	22.65	22.63	24.0	0.0
20	QPSK	50	56	22.50	22.57	22.43	24.0	0.0
20	QPSK	100	0	22.43	22.62	22.42		
20	16QAM	1	1	22.59	22.61	22.52	24.0	0.0
20	64QAM	1	1	21.73	21.91	21.72	22.5	1.5
20	256QAM	1	1	19.64	19.69	19.52	20.5	3.5
Channel				166900	167100	167300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.48	22.54	22.39	24.0	0.0
Channel				166800	167300	166800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				836	836.5	844		
10	QPSK	1	1	22.46	22.51	22.47	24.0	0.0
Channel				166900	167300	166900	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				834.5	836.5	836.5		
5	QPSK	1	1	22.50	22.45	22.42	24.0	0.0

n66 Ant0 DSI6 Standalone								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	Pi/2 BPSK	1	1	20.65	20.77	20.70		
40	Pi/2 BPSK	1	108	20.75	20.82	20.79	22.1	0.0
40	Pi/2 BPSK	1	214	20.79	20.85	20.79		
40	Pi/2 BPSK	108	0	20.75	20.87	20.75	22.1	0.0
40	Pi/2 BPSK	108	54	20.66	20.81	20.63	22.1	0.0
40	Pi/2 BPSK	108	108	20.91	20.96	20.92	22.1	0.0
40	Pi/2 BPSK	216	0	20.74	20.85	20.76		
40	QPSK	1	1	20.96	21.08	21.06		
40	QPSK	1	108	20.78	20.96	20.81	22.1	0.0
40	QPSK	1	214	20.69	20.87	20.73		
40	QPSK	108	0	20.76	20.89	20.81	22.1	0.0
40	QPSK	108	54	20.85	20.97	20.83	22.1	0.0
40	QPSK	108	108	20.91	20.96	20.84	22.1	0.0
40	QPSK	216	0	20.71	20.85	20.67		
40	16QAM	1	1	20.79	20.97	20.91	22.1	0.0
40	64QAM	1	1	20.89	20.98	20.84	22.1	0.0
40	256QAM	1	1	19.26	19.30	19.17	20.5	1.6
Channel				346100	349000	352100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	20.82	21.01	21.00	22.1	0.0
Channel				346000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	20.89	20.93	20.91	22.1	0.0
Channel				345900	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	20.78	21.00	20.96	22.1	0.0
Channel				345900	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	20.92	20.97	20.91	22.1	0.0
Channel				345900	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	20.82	20.91	20.90	22.1	0.0



n2 Ant0 DSI6 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000			
Frequency (MHz)				1860	1860	1900			
20	Pi/2 BPSK	1	1	19.29	19.35	19.28			
20	Pi/2 BPSK	1	53	19.32	19.39	19.28	20.8		
20	Pi/2 BPSK	1	104	19.22	19.36	19.25			
20	Pi/2 BPSK	50	0	19.20	19.32	19.25	20.8		
20	Pi/2 BPSK	50	28	19.27	19.31	19.18	20.8		
20	Pi/2 BPSK	50	56	19.19	19.33	19.26	20.8		
20	Pi/2 BPSK	100	0	19.23	19.35	19.24			
20	QPSK	1	1	19.50	19.53	19.44			
20	QPSK	1	53	19.53	19.58	19.26	20.8		
20	QPSK	1	104	19.28	19.42	19.31			
20	QPSK	50	0	19.32	19.37	19.24	20.8		
20	QPSK	50	28	19.33	19.39	19.33	20.8		
20	QPSK	50	56	19.33	19.34	19.26	20.8		
20	QPSK	100	0	19.24	19.36	19.26			
20	16QAM	1	1	19.37	19.47	19.42	20.8		
20	64QAM	1	1	19.38	19.45	19.35	20.8		
20	256QAM	1	1	19.27	19.35	19.31	20.5		
Channel				1857.5	1860	1902.5			
Frequency (MHz)				1857.5	1860	1902.5			
15	QPSK	1	1	19.48	19.43	19.37	20.8		
Channel				375000	376000	381000			
Frequency (MHz)				1865	1860	1905			
10	QPSK	1	1	19.37	19.42	19.36	20.8		
Channel				370500	376000	381500			
Frequency (MHz)				1902.5	1860	1907.5			
5	QPSK	1	1	19.38	19.48	19.37	20.8		

n5 Ant0 DSI6 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	Pi/2 BPSK	1	1	22.62	22.68	22.65			
20	Pi/2 BPSK	1	53	22.62	22.63	22.54	24.0		
20	Pi/2 BPSK	1	104	22.46	22.60	22.41			
20	Pi/2 BPSK	50	0	22.50	22.55	22.49	24.0		
20	Pi/2 BPSK	50	28	22.64	22.67	22.56	24.0		
20	Pi/2 BPSK	50	56	22.50	22.56	22.41	24.0		
20	Pi/2 BPSK	100	0	22.45	22.64	22.60			
20	QPSK	1	1	22.63	22.75	22.67			
20	QPSK	1	53	22.42	22.62	22.44	24.0		
20	QPSK	1	104	22.47	22.60	22.55			
20	QPSK	50	0	22.49	22.58	22.41	24.0		
20	QPSK	50	28	22.62	22.65	22.63	24.0		
20	QPSK	50	56	22.50	22.57	22.43	24.0		
20	QPSK	100	0	22.43	22.62	22.42			
20	16QAM	1	1	22.59	22.61	22.52	24.0		
20	64QAM	1	1	21.73	21.91	21.72	22.5		
20	256QAM	1	1	19.64	19.69	19.52	20.5		
Channel				163300	167300	169300			
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.48	22.54	22.39	24.0		
Channel				165800	167300	168800			
Frequency (MHz)				839	836.5	844			
10	QPSK	1	1	22.46	22.51	22.47	24.0		
Channel				166300	167300	169300			
Frequency (MHz)				834.5	836.5	838.5			
5	QPSK	1	1	22.50	22.45	22.42	24.0		

n66 Ant0 DSI6 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	Pi/2 BPSK	1	1	19.31	19.35	19.32			
40	Pi/2 BPSK	1	108	19.23	19.34	19.28	20.8		
40	Pi/2 BPSK	1	214	19.29	19.37	19.33			
40	Pi/2 BPSK	108	0	19.28	19.35	19.32	20.8		
40	Pi/2 BPSK	108	54	19.24	19.33	19.30	20.8		
40	Pi/2 BPSK	108	108	19.34	19.45	19.40	20.8		
40	Pi/2 BPSK	216	0	19.27	19.36	19.30			
40	QPSK	1	1	19.43	19.55	19.51			
40	QPSK	1	108	19.36	19.43	19.37	20.8		
40	QPSK	1	214	19.27	19.39	19.33			
40	QPSK	108	0	19.36	19.38	19.30	20.8		
40	QPSK	108	54	19.31	19.50	19.36	20.8		
40	QPSK	108	108	19.38	19.44	19.38	20.8		
40	QPSK	216	0	19.22	19.38	19.32			
40	16QAM	1	1	19.37	19.45	19.40	20.8		
40	64QAM	1	1	19.45	19.48	19.34	20.8		
40	256QAM	1	1	19.32	19.34	19.28	20.5		
Channel				343000	349000	353000			
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	19.33	19.52	19.44	20.8		
Channel				344000	349000	354000			
Frequency (MHz)				1730	1745	1760			
20	QPSK	1	1	19.39	19.51	19.47	20.8		
Channel				343500	349000	354500			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	19.32	19.43	19.40	20.8		
Channel				343000	349000	355000			
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	19.36	19.52	19.47	20.8		
Channel				342500	349000	355500			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	19.35	19.42	19.37	20.8		



n2 Ant1 DSI6 Standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				1680	1880	1900			
Frequency (MHz)				372000	376000	380000			
20	Pi2 BPSK	1	1	20.69	20.81	20.77		21.6	0.0
20	Pi2 BPSK	1	53	20.70	20.75	20.84			
20	Pi2 BPSK	1	104	20.67	20.71	20.62			
20	Pi2 BPSK	50	0	20.65	20.71	20.69		21.6	0.0
20	Pi2 BPSK	50	28	20.62	20.69	20.56		21.6	0.0
20	Pi2 BPSK	50	56	20.60	20.67	20.54		21.6	0.0
20	Pi2 BPSK	100	0	20.63	20.72	20.63			
20	QPSK	1	1	20.79	20.86	20.75		21.6	0.0
20	QPSK	1	53	20.70	20.75	20.75			
20	QPSK	1	104	20.64	20.69	20.62			
20	QPSK	50	0	20.72	20.71	20.72		21.6	0.0
20	QPSK	50	28	20.64	20.76	20.69		21.6	0.0
20	QPSK	50	56	20.56	20.69	20.65		21.6	0.0
20	QPSK	100	0	20.64	20.73	20.64		21.6	0.0
20	16QAM	1	1	20.67	20.79	20.72		21.6	0.0
20	64QAM	1	1	20.75	20.84	20.79		21.6	0.0
20	256QAM	1	1	19.99	20.19	19.94		21.0	0.6
Channel				1887.5	1880	1892.5	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				37500	376000	381000			
15	QPSK	1	1	20.77	20.75	20.71		21.6	0.0
Channel				375000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1885	1880	1885			
10	QPSK	1	1	20.62	20.78	20.70		21.6	0.0
Channel				370900	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1802.5	1880	1807.5			
5	QPSK	1	1	20.67	20.68	20.59		21.6	0.0

n5 Ant1 DSI6 Standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				168800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	Pi2 BPSK	1	1	22.35	22.36	22.34		24.0	0.0
20	Pi2 BPSK	1	53	22.25	22.30	22.24			
20	Pi2 BPSK	1	104	22.09	22.24	22.14			
20	Pi2 BPSK	50	0	22.05	22.23	22.16		24.0	0.0
20	Pi2 BPSK	50	28	22.31	22.34	22.28		24.0	0.0
20	Pi2 BPSK	50	56	22.08	22.27	22.23		24.0	0.0
20	Pi2 BPSK	100	0	22.28	22.32	22.31			
20	QPSK	1	1	22.52	22.55	22.47		24.0	0.0
20	QPSK	1	53	22.24	22.33	22.23			
20	QPSK	1	104	22.26	22.31	22.31			
20	QPSK	50	0	22.09	22.22	22.05		24.0	0.0
20	QPSK	50	28	22.31	22.33	22.17		24.0	0.0
20	QPSK	50	56	22.20	22.22	22.12		24.0	0.0
20	QPSK	100	0	22.13	22.29	22.15		24.0	0.0
20	16QAM	1	1	22.42	22.37	22.42		24.0	0.0
20	64QAM	1	1	21.70	21.73	21.58		22.5	1.5
20	256QAM	1	1	19.24	19.43	19.23		20.5	3.5
Channel				168300	167400	168200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.36	22.36	22.21		24.0	0.0
Channel				168800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				839	836.5	844			
10	QPSK	1	1	22.42	22.33	22.28		24.0	0.0
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				836.5	836.5	836.5			
5	QPSK	1	1	22.41	22.25	22.29		24.0	0.0

n66 Ant1 DSI6 Standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	Pi2 BPSK	1	1	20.84	20.89	20.85		21.9	0.0
40	Pi2 BPSK	1	108	20.83	20.97	20.89			
40	Pi2 BPSK	1	214	20.82	20.88	20.80			
40	Pi2 BPSK	108	0	20.90	20.93	20.80		21.9	0.0
40	Pi2 BPSK	108	54	20.83	20.89	20.80		21.9	0.0
40	Pi2 BPSK	108	108	20.86	20.98	20.84		21.9	0.0
40	Pi2 BPSK	216	0	20.72	20.86	20.74			
40	QPSK	1	1	20.95	21.05	20.92		21.9	0.0
40	QPSK	1	108	20.98	21.02	20.94			
40	QPSK	1	214	20.84	20.94	20.85			
40	QPSK	108	0	20.72	20.89	20.73		21.9	0.0
40	QPSK	108	54	20.85	20.98	20.77		21.9	0.0
40	QPSK	108	108	20.94	20.94	20.84		21.9	0.0
40	QPSK	216	0	20.82	20.89	20.85		21.9	0.0
40	16QAM	1	1	20.89	20.86	20.80		21.9	0.0
40	64QAM	1	1	20.92	21.01	20.85		21.4	0.5
40	256QAM	1	1	20.06	20.19	20.14		21.0	0.6
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	20.85	20.97	20.86		21.9	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	20.78	20.94	20.75		21.9	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	20.78	20.90	20.83		21.9	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	20.77	20.91	20.83		21.9	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	20.88	20.98	20.88		21.9	0.0



n2 Ant1 DS16 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				372000	376000	380000			
Frequency (MHz)				1860	1860	1900			
20	PI2 BPSK	1	1	19.21	19.28	19.18			
20	PI2 BPSK	1	53	19.07	19.24	19.09		20.3	0.0
20	PI2 BPSK	1	104	19.17	19.29	19.14			
20	PI2 BPSK	50	0	19.16	19.23	19.19	20.3		0.0
20	PI2 BPSK	50	28	19.22	19.26	19.10	20.3		0.0
20	PI2 BPSK	50	56	19.09	19.25	19.17	20.3		0.0
20	PI2 BPSK	100	0	19.23	19.27	19.21			
20	QPSK	1	1	19.43	19.48	19.40			
20	QPSK	1	53	19.16	19.29	19.14	20.3		0.0
20	QPSK	1	104	19.07	19.24	19.20	20.3		0.0
20	QPSK	50	0	19.18	19.21	19.06	20.3		0.0
20	QPSK	50	28	19.10	19.23	19.15	20.3		0.0
20	QPSK	50	56	19.12	19.16	19.08	20.3		0.0
20	QPSK	100	0	19.09	19.23	19.11			
20	16QAM	1	1	19.29	19.43	19.37	20.3		0.0
20	64QAM	1	1	19.20	19.36	19.24	20.3		0.0
20	256QAM	1	1	19.13	19.22	19.22	20.3		0.0
Channel				371500	376000	380500	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	1	19.40	19.34	19.25	20.3		0.0
Channel				371000	376000	381000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1865	1880	1905			
10	QPSK	1	1	19.27	19.45	19.27	20.3		0.0
Channel				370500	376000	381000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1862.5 <td>1880</td> <td>1907.5</td> <th></th> <th colspan="2"></th>	1880	1907.5			
5	QPSK	1	1	19.36	19.31	19.37	20.3		0.0

n5 Ant1 DS16 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	838			
20	PI2 BPSK	1	1	22.35	22.36	22.34		24.0	0.0
20	PI2 BPSK	1	53	22.25	22.30	22.24			
20	PI2 BPSK	1	104	22.09	22.24	22.14			
20	PI2 BPSK	50	0	22.05	22.23	22.16	24.0	0.0	
20	PI2 BPSK	50	28	22.31	22.34	22.28	24.0		0.0
20	PI2 BPSK	50	56	22.08	22.27	22.23	24.0		0.0
20	PI2 BPSK	100	0	22.28	22.32	22.31	24.0		0.0
20	QPSK	1	1	22.52	22.55	22.47			
20	QPSK	1	53	22.24	22.33	22.23	24.0		
20	QPSK	1	104	22.25	22.31	22.31	24.0	0.0	
20	QPSK	50	0	22.09	22.22	22.05	24.0		0.0
20	QPSK	50	28	22.31	22.33	22.17	24.0		0.0
20	QPSK	50	56	22.20	22.22	22.12	24.0		0.0
20	QPSK	100	0	22.13	22.25	22.15	24.0		0.0
20	16QAM	1	1	22.42	22.37	22.42	24.0		0.0
20	64QAM	1	1	21.70	21.73	21.58	22.5		1.5
20	256QAM	1	1	19.24	19.43	19.23	20.5		3.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.36	22.36	22.21	24.0	0.0	
Channel				165800	167000	168000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	834.5	844			
10	QPSK	1	1	22.42	22.33	22.28	24.0	0.0	
Channel				165300	167300	169000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	22.41	22.25	22.29	24.0	0.0	

n66 Ant1 DS16 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	19.24	19.37	19.31			
40	PI2 BPSK	1	108	19.20	19.34	19.19	20.6	0.0	
40	PI2 BPSK	1	214	19.35	19.42	19.38			
40	PI2 BPSK	108	0	19.21	19.38	19.32	20.6	0.0	
40	PI2 BPSK	108	54	19.28	19.43	19.32		20.6	
40	PI2 BPSK	108	108	19.24	19.35	19.20		20.6	
40	PI2 BPSK	216	0	19.42	19.48	19.34			
40	QPSK	1	1	19.50	19.58	19.46			
40	QPSK	1	108	19.19	19.34	19.20	20.6	0.0	
40	QPSK	1	214	19.38	19.43	19.38			
40	QPSK	108	0	19.26	19.38	19.23	20.6	0.0	
40	QPSK	108	54	19.32	19.48	19.25	20.6	0.0	
40	QPSK	108	108	19.43	19.41	19.36		20.6	
40	QPSK	216	0	19.27	19.35	19.27		20.6	
40	16QAM	1	1	19.30	19.33	19.21	20.6	0.0	
40	64QAM	1	1	19.27	19.43	19.40	20.6	0.0	
40	256QAM	1	1	19.20	19.37	19.31	20.6	0.0	
Channel				345500	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	19.34	19.42	19.43	20.6	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	19.30	19.46	19.36	20.6	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	19.20	19.39	19.32	20.6	0.0	
Channel				343000	348000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	19.28	19.47	19.25	20.6	0.0	
Channel				342500	348000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	19.34	19.45	19.33	20.6	0.0	



Par270 n77 Ant2_PC3 DS16 Standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Media Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
100	PIQ-BPSK	1	1	18.09	18.18	18.09			
100	PIQ-BPSK	1	137	18.09	18.09	18.90	20.1	0.0	
100	PIQ-BPSK	1	271	18.18	18.25	18.25			
100	PIQ-BPSK	135	0	18.01	18.03	18.00	20.1	0.0	
100	PIQ-BPSK	135	60	18.00	18.00	18.00	20.1	0.0	
100	PIQ-BPSK	135	138	18.04	18.01	18.00	20.1	0.0	
100	PIQ-BPSK	270	0	18.16	18.03	18.04			
100	QPSK	1	1	18.00	18.07	18.00	20.1	0.0	
100	QPSK	1	137	18.09	18.10	18.00	20.1		
100	QPSK	1	271	18.12	18.00	18.21			
100	QPSK	135	0	18.00	18.00	18.00	20.1	0.0	
100	QPSK	135	60	18.00	18.00	18.10	20.1	0.0	
100	QPSK	135	138	18.10	18.01	18.01	20.1	0.0	
100	QPSK	270	0	18.14	18.00	18.10	20.1	0.0	
100	16QAM	1	1	18.00	18.07	18.10	20.1	0.0	
100	16QAM	1	1	18.09	18.40	18.00	19.1	1.0	
100	16QAM	1	1	18.13	18.20	18.00	19.1	0.0	
Channel									
Frequency [MHz]									
90	QPSK	1	1	18.00	20.00	19.00	20.1	0.0	
90	QPSK	1	137	18.09	18.10	18.00	20.1		
90	QPSK	1	271	18.10	18.00	18.20			
80	QPSK	1	1	18.01	20.03	19.00	20.1	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	18.10	18.00	18.04	20.1	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	20.03	18.10	20.00	20.1	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	18.00	20.00	18.00	20.1	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	18.14	18.00	18.10	20.1	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	18.00	18.40	18.00	20.1	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	18.00	20.00	18.00	20.1	0.0	

Par270 n77 Ant2_PC2 DS16 Standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Media Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
100	PIQ-BPSK	1	1	22.01	21.17	22.10			
100	PIQ-BPSK	1	137	22.00	22.20	22.10	20.1	0.0	
100	PIQ-BPSK	1	271	22.00	22.23	22.07			
100	PIQ-BPSK	135	0	21.49	21.01	21.44	20.1	0.0	
100	PIQ-BPSK	135	60	21.00	21.14	21.00	20.1	0.0	
100	PIQ-BPSK	135	138	21.12	21.12	21.07	20.1	0.0	
100	PIQ-BPSK	270	0	21.40	21.00	21.40	20.1	0.0	
100	QPSK	1	1	22.07	22.00	22.10			
100	QPSK	1	137	22.10	22.17	22.04	20.1	0.0	
100	QPSK	1	271	22.03	22.10	22.14			
100	QPSK	135	0	21.42	21.43	21.42	20.1	0.0	
100	QPSK	135	60	21.00	21.00	21.00	20.1	0.0	
100	QPSK	135	138	21.40	21.47	21.00	20.1	0.0	
100	QPSK	270	0	21.42	21.00	21.41	20.1	0.0	
100	16QAM	1	1	21.40	21.43	21.40	20.1	0.0	
100	16QAM	1	1	19.80	19.87	19.70	20.1	2.0	
100	16QAM	1	1	17.00	17.10	17.04	18.4	4.0	
Channel									
Frequency [MHz]									
90	QPSK	1	1	22.00	22.23	22.07	20.1	0.0	
90	QPSK	1	137	22.00	22.00	22.00	20.1		
90	QPSK	1	271	22.01	22.17	22.10	20.1	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	21.40	21.01	21.44	20.1	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	21.12	21.12	21.10	20.1	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	21.40	21.00	21.43	20.1	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	22.07	22.20	22.10	20.1	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	22.10	22.10	22.04	20.1	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	21.42	21.43	21.42	20.1	0.0	

Par270Q n77_Ant 2_PC3 DS16 Standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Media Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
100	PIQ-BPSK	1	1	19.14	19.14	19.14			
100	PIQ-BPSK	1	137	19.00			20.1	0.0	
100	PIQ-BPSK	1	271	19.10					
100	PIQ-BPSK	135	0	18.07			20.1	0.0	
100	PIQ-BPSK	135	60	18.00					
100	PIQ-BPSK	135	138	18.10					
100	PIQ-BPSK	270	0	18.01			20.1	0.0	
100	QPSK	1	1	19.17			20.1	0.0	
100	QPSK	1	137	19.00					
100	QPSK	1	271	19.17					
100	QPSK	135	0	18.01			20.1	0.0	
100	QPSK	135	60	18.00					
100	QPSK	135	138	18.10					
100	QPSK	270	0	18.07			20.1	0.0	
100	16QAM	1	1	18.01			20.1	0.0	
100	16QAM	1	1	18.10			19.1	1.0	
100	16QAM	1	1	18.10			19.1	1.0	
Channel									
Frequency [MHz]									
90	QPSK	1	1	19.01	20.00	19.00	20.1	0.0	
90	QPSK	1	137	19.00	19.00	19.00	20.1		
90	QPSK	1	271	19.00	20.00	19.00	20.1	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	19.10	19.00	19.04	20.1	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	20.00	20.10	20.10	20.1	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	19.00	20.00	19.00	20.1	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	19.10	19.40	19.20	20.1	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	19.00	20.00	19.00	20.1	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	19.14	19.00	19.10	20.1	0.0	

Par270Q n77_Ant 2_PC2 DS16 Standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Media Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
100	PIQ-BPSK	1	1	22.00					
100	PIQ-BPSK	1	137	22.14			20.1	0.0	
100	PIQ-BPSK	1	271	22.10					
100	PIQ-BPSK	135	0	21.50			20.1	0.0	
100	PIQ-BPSK	135	60	21.00			20.1	0.	
100	PIQ-BPSK	270	0	22.00			20.1	0.0	
100	PIQ-BPSK	1	137	22.04			20.1	0.0	
100	PIQ-BPSK	1	271	22.00					
100	PIQ-BPSK	135	0	21.88			20.1	0.0	
100	PIQ-BPSK	135	60	21.00			20.1	0.0	
100	PIQ-BPSK	270	0	22.00			20.1	0.0	
100	PIQ-BPSK	1	271	22.10			20.1	0.0	
100	BSA-QAM	1	1	18.83			21	2.0	
100	BSA-QAM	1	137	18.74			18.5	4.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	22.00	22.23	22.15	20.1	0.0	
50	QPSK	1	137	22.08	22.31	22.23	20.1	0.0	
50	QPSK	1	271	22.04	22.27	22.19	20.1	0.0	
50	QPSK	1	1	21.49	21.61	21.50	20.1	0.0	
50	QPSK	1	137	21.55	21.67	21.56	20.1	0.0	
50	QPSK	1	271	21.51	21.63	21.51	20.1	0.0	
50	QPSK	1	1	21.65	21.77	21.66	20.1	0.0	
50	QPSK	1	137	21.71	21.83	21.72	20.1	0.0	
50	QPSK	1	271	21.67	21.79	21.68	20.1	0.0	
50	QPSK	1	1	21.42	21.43	21.43	20.1	0.0	
50	QPSK	1	137	21.48	21.47	21.48	20.1	0.0	
50	QPSK	1	271	21.44	21.43	21.48	20.1	0.0	
50	QPSK	1	1	21.70	21.69	21.70	20.1	0.0	
50	QPSK	1	137	21.76	21.75	21.76	20.1	0.0	
50	QPSK	1	271	21.72	21.71	21.72	20.1	0.0	
50	QPSK	1	1	21.48	21.48	21.48	20.1	0.0	
50	QPSK	1	137	21.49	21.49	21.49	20.1	0.0	
50	QPSK	1	271	21.49	21.49	21.49	20.1	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	18.89	19.02	18.95	20.1	0.0	
50	QPSK	1	137	18.95	19.08	18.97	20.1	0.0	
50	QPSK	1	271	18.91	19.04	18.93	20.1	0.0	
50	QPSK	1	1	18.74	18.87	18.80	20.1	0.0	
50	QPSK	1	137	18.80	18.93	18.82	20.1	0.0	
50	QPSK	1	271	18.76	18.89	18.81	20.1	0.0	
50	QPSK	1	1	18.60	18.73	18.66	20.1	0.0	
50	QPSK	1	137	18.66	18.79	18.68	20.1	0.0	
50	QPSK	1	271	18.62	18.75	18.64	20.1	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	18.89	19.02	18.95	20.1	0.0	
50	QPSK	1	137	18.95	19.08	18.97	20.1	0.0	
50	QPSK	1	271	18.91	19.04	18.93	20.1	0.0	
50	QPSK	1	1	18.74	18.87	18.80	20.1	0.0	
50	QPSK	1	137	18.80	18.93	18.82	20.1	0.0	
50	QPSK	1	271	18.76	18.89	18.81	20.1	0.0	
50	QPSK	1	1	18.60	18.73	18.66	20.1	0.0	
50	QPSK	1	137	18.66	18.79	18.68	20.1	0.0	
50	QPSK	1	271	18.62	18.75	18.64	20.1	0.0	

Part270 n78_Ant2_PC3 DSI6 Standalone								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq.	Power Max Ch. 1 Freq.	Power High Ch. 1 Freq.	Time-up time (dBm)	MPR (dB)
Channel				850000	850000	850000		
Frequency (MHz)				3170	3170	3170		
100	PI-C BPSK	1	1	18.95				
100	PI-C BPSK	1	137	18.85			20.1	0.0
100	PI-C BPSK	1	271	19.05				
100	PI-C BPSK	135	0	18.85			19.0	0.0
100	PI-C BPSK	135	80	18.85			20.1	0.0
100	PI-C BPSK	135	138	18.71			19.0	0.0
100	PI-C BPSK	270	0	18.71				
100	QPSK	1	1	18.87				
100	QPSK	1	137	18.85			20.1	0.0
100	QPSK	1	271	19.05				
100	QPSK	135	0	18.73			19.1	1.0
100	QPSK	135	80	18.76			20.1	0.0
100	QPSK	135	138	18.71			19.1	1.0
100	QPSK	270	0	18.68				
100	16QAM	1	1	18.87			19.1	1.0
100	16QAM	1	1	18.20			17.8	2.0
100	256QAM	1	1	18.00			18.6	4.0
Channel				849856	850000	850256	Time-up time (dB)	MPR
Frequency (MHz)				849856	850000	850256		
80	QPSK	1	1	18.51	18.87	18.51	20.1	0.0
Channel				849334	850000	850666	Time-up time (dB)	MPR
Frequency (MHz)				849334	850000	850666		
80	QPSK	1	1	18.05	18.73	18.09	20.1	0.0
Channel				849000	850000	850000	Time-up time (dB)	MPR
Frequency (MHz)				849000	850000	850000		
70	QPSK	1	1	18.05	18.64	18.05	20.1	0.0
Channel				848666	850000	850000	Time-up time (dB)	MPR
Frequency (MHz)				848666	850000	850000		
80	QPSK	1	1	18.05	18.06	18.05	20.1	0.0
Channel				848334	850000	851666	Time-up time (dB)	MPR
Frequency (MHz)				848334	850000	851666		
80	QPSK	1	1	18.08	18.87	18.04	20.1	0.0
Channel				848000	850000	852000	Time-up time (dB)	MPR
Frequency (MHz)				848000	850000	852000		
80	QPSK	1	1	18.02	18.83	18.02	20.1	0.0
Channel				847666	850000	850000	Time-up time (dB)	MPR
Frequency (MHz)				847666	850000	850000		
80	QPSK	1	1	18.02	18.06	18.42	20.1	0.0
Channel				847334	850000	850666	Time-up time (dB)	MPR
Frequency (MHz)				847334	850000	850666		
80	QPSK	1	1	18.08	18.83	18.20	20.1	0.0

Part270 n78_Ant 2_PC3 DSI6 Standalone								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq.	Power Max Ch. 1 Freq.	Power High Ch. 1 Freq.	Time-up time (dBm)	MPR (dB)
Channel				850000	850000	850000		
Frequency (MHz)				3170	3170	3170		
100	PI-C BPSK	1	1	18.95				
100	PI-C BPSK	1	137	18.87			20.1	0.0
100	PI-C BPSK	1	271	19.03				
100	PI-C BPSK	135	0	18.85			19.0	0.0
100	PI-C BPSK	135	80	18.76			20.1	0.0
100	PI-C BPSK	135	138	18.58			19.0	0.0
100	PI-C BPSK	270	0	18.71				
100	QPSK	1	1	18.87				
100	QPSK	1	137	18.84			20.1	0.0
100	QPSK	1	271	19.02				
100	QPSK	135	0	18.70			19.1	1.0
100	QPSK	135	80	18.66			20.1	0.0
100	QPSK	135	138	18.87			19.1	1.0
100	QPSK	270	0	18.75				
100	16QAM	1	1	18.79			19.1	1.0
100	16QAM	1	1	18.04			17.8	2.0
100	256QAM	1	1	18.00			18.6	4.0
Channel				850000	850334	850666	Time-up time (dB)	MPR
Frequency (MHz)				850000	850334	850666		
80	QPSK	1	1	18.05	18.64	18.05	20.1	0.0
Channel				850666	850334	850000	Time-up time (dB)	MPR
Frequency (MHz)				850666	850334	850000		
80	QPSK	1	1	18.05	18.06	18.05	20.1	0.0
Channel				850334	850666	850000	Time-up time (dB)	MPR
Frequency (MHz)				850334	850666	850000		
70	QPSK	1	1	18.07	18.76	18.08	20.1	0.0
Channel				850000	850334	850666	Time-up time (dB)	MPR
Frequency (MHz)				850000	850334	850666		
80	QPSK	1	1	18.03	18.09	18.02	20.1	0.0
Channel				850666	850334	850000	Time-up time (dB)	MPR
Frequency (MHz)				850666	850334	850000		
80	QPSK	1	1	18.06	18.70	18.04	20.1	0.0
Channel				850334	850666	850334	Time-up time (dB)	MPR
Frequency (MHz)				850334	850666	850334		
80	QPSK	1	1	18.02	18.82	18.02	20.1	0.0
Channel				850000	850334	850666	Time-up time (dB)	MPR
Frequency (MHz)				850000	850334	850666		
80	QPSK	1	1	18.08	18.87	18.08	20.1	0.0
Channel				850666	850334	850000	Time-up time (dB)	MPR
Frequency (MHz)				850666	850334	850000		
80	QPSK	1	1	18.05	18.64	18.05	20.1	0.0



Par270 n77 Ant2_PC3 DS16 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Media Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PIQ-BPSK	1	1	18.58	18.69	18.85			
100	PIQ-BPSK	1	137	18.55	18.53	18.43	18.6	0.0	
100	PIQ-BPSK	1	271	17.71	17.71	17.65			
100	PIQ-BPSK	135	0	17.37	17.32	17.46	18.9	0.0	
100	PIQ-BPSK	135	68	17.26	17.33	17.45	18.6	0.0	
100	PIQ-BPSK	135	136	17.39	17.42	17.35	18.6	0.0	
100	PIQ-BPSK	270	0	17.24	17.46	17.35			
100	QPSK	1	1	17.73	17.77	17.51			
100	QPSK	1	137	17.59	17.82	17.51	18.6	0.0	
100	QPSK	1	271	17.63	17.71	17.51			
100	QPSK	135	0	17.48	17.34	17.46	18.9	0.0	
100	QPSK	135	68	17.26	17.36	17.36	18.6	0.0	
100	QPSK	135	136	17.35	17.39	17.41	18.6	0.0	
100	QPSK	270	0	17.26	17.41	17.27			
100	16QAM	1	1	17.35	17.35	17.26	18.6	0.0	
100	16QAM	1	1	18.87	18.86	18.72	17.9	1.0	
100	16QAM	1	1	16.95	16.95	16.95	18.6	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	17.55	17.52	17.51	18.6	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.37	17.32	17.44	18.6	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	17.73	17.77	17.51	18.9	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	17.59	17.82	17.51	18.6	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	17.39	17.42	17.35	18.6	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	18.53	18.53	18.65	18.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	17.23	17.22	17.31	18.6	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	17.36	17.36	17.41	18.6	0.0	

Par270 n77 Ant2_PC2 DS16 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Media Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PIQ-BPSK	1	1	20.37	20.73	20.75			
100	PIQ-BPSK	1	137	20.62	20.78	20.72	21.6	0.0	
100	PIQ-BPSK	1	271	20.21	20.73	20.63			
100	PIQ-BPSK	135	0	19.25	20.17	20.20	21.6	0.0	
100	PIQ-BPSK	135	68	20.01	20.75	20.49	21.6	0.0	
100	PIQ-BPSK	135	136	20.28	20.28	20.13	21.6	0.0	
100	PIQ-BPSK	270	0	20.01	20.12	19.91	21.6	0.0	
100	QPSK	1	1	20.03	20.02	20.14			
100	QPSK	1	137	20.72	20.73	20.69	21.6	0.0	
100	QPSK	1	271	20.58	20.72	20.75			
100	QPSK	135	0	19.68	19.77	19.69	21.6	0.0	
100	QPSK	135	68	20.36	20.66	20.42	21.6	0.0	
100	QPSK	135	136	19.92	19.83	19.91	21.6	0.0	
100	QPSK	270	0	19.88	19.88	19.47	21.6	0.0	
100	16QAM	1	1	19.38	19.39	19.41	21.6	0.0	
100	16QAM	1	1	18.44	18.53	18.34	19.6	2.0	
100	16QAM	1	1	18.22	18.74	18.33	17.1	4.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.52	20.76	20.75	21.6	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	19.95	20.17	20.20	21.6	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	20.28	20.28	20.13	21.6	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.72	20.73	20.63	21.6	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	19.68	19.77	19.69	21.6	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	20.39	20.68	20.42	21.6	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.01	20.52	19.81	21.6	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	19.95	20.17	20.20	21.6	0.0	

Par27Q n77_Ant 2_PC3 DS16 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq. [dBm]	Power Media Ch.1 Freq. [dBm]	Power High Ch.1 Freq. [dBm]	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
100	PIQ-BPSK	1	1	17.65					
100	PIQ-BPSK	1	137	17.53			18.6	0.0	
100	PIQ-BPSK	1	271	17.65					
100	PIQ-BPSK	135	0	17.45			18.6	0.0	
100	PIQ-BPSK	135	68	17.45			18.6	0.0	
100	PIQ-BPSK	135	136	17.19			17.19		
100	PIQ-BPSK	270	0	17.73			18.6	0.0	
100	QPSK	1	1	17.47			18.6	0.0	
100	QPSK	1	137	17.47			18.6	0.0	
100	QPSK	1	271	17.45					
100	QPSK	135	0	17.27			18.6	0.0	
100	QPSK	135	68	17.35			18.6	0.0	
100	QPSK	135	136	17.35			18.6	0.0	
100	QPSK	270	0	17.58			18.6	0.0	
100	16QAM	1	1	17.28			18.6	0.0	
100	16QAM	1	1	16.83			17.8	1.0	
100	16QAM	1	1	16.43			16.43	3.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	17.37	17.52	17.44	18.6	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	17.73	17.77	17.51	18.6	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	17.59	17.82	17.51	18.6	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	17.50	17.82	17.51	18.6	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	17.39	17.42	17.35	18.6	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	18.58	18.65	18.80	18.6	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	16.97	16.76	16.44	18.6	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	17.73	17.77	17.51	18.6	0.0	

Par27Q n77_Ant 2_PC2 DS16 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Media Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PIQ-BPSK	1	1	20.50					
100	PIQ-BPSK	1	157	21.01			21.6	0.0	
100	PIQ-BPSK	158	158	21.01					
100	PIQ-BPSK	159	0	20.43			21.6	0.0	
100	PIQ-BPSK	160	0	20.39			21.6	0.0	
100	PIQ-BPSK	158	156	20.43			21.6	0.0	
100	PIQ-BPSK	2710	0	20.25			21.6	0.0	
100	QPSK	1	157	21.01					
100	QPSK	1	1	20.50					
100	QPSK	159	0	20.71			21.6	0.0	
100	QPSK	158	156	20.71			21.6	0.0	
100	QPSK	2710	0	19.83			21.6	0.0	
100	QPSK	0	0	20.24			21.6	0.0	
100	QPSK	1	1	19.78			19.6	2.0	
100	QPSK	1	1	19.43			17.1	4.5	
Channel				814000	815334	816668	Turn-up time (dBm)	MPR	
30	QPSK	1	1	20.57	20.73	20.89	21.6	0.0	
Channel				81668	818334	819980	Turn-up time (dBm)	MPR	
30	QPSK	1	1	20.57	20.73	20.89	21.6	0.0	
30	QPSK	1	1	20.81	20.79	21.01	21.6	0.0	
30	QPSK	1	1	20.81	20.79	21.01	21.6	0.0	
Channel				81999	821668	823334	Turn-up time (dBm)	MPR	
30	QPSK	1	1	20.50	20.76	20.99	21.6	0.0	
Channel				82335	825000	826668	Turn-up time (dBm)	MPR	
30	QPSK	1	1	20.72	20.73	20.99	21.6	0.0	
Channel				81668	818334	819980	Turn-up time (dBm)	MPR	
30	QPSK	1	1	20.57	20.73	20.89	21.6	0.0	
Channel				81999	821668	823334	Turn-up time (dBm)	MPR	
30	QPSK	1	1	19.68	19.77	19.84	19.6	0.0	
40	QPSK	1	1	19.49	19.49	19.70	21.6	0.0	
40	QPSK	1	1	19.49	19.49	19.70	21.6	0.0	
Channel				81999	821668	823334	Turn-up time (dBm)	MPR	
30	QPSK	1	1	19.38	19.59	19.80	21.6	0.0	
Channel				81999	821668	823334	Turn-up time (dBm)	MPR	
30	QPSK	1	1	19.35	19.17	19.43	21.6	0.0	

Part27O n78 Ant2_PC3 DS16 Simultaneous								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Main Ch. (Frac.)	Power High Ch. (Frac.)	Tune-up time (dBm)	MPN (dB)
Channel								
Frequency (MHz)								
100	PI2-BPSK	1	1		16.59			
100	PI2-BPSK	1	137		16.43		16.6	0.0
100	PI2-BPSK	1	271		17.41			
100	PI2-BPSK	135	0		17.42		16.1	0.5
100	PI2-BPSK	135	66		17.43		16.6	0.5
100	PI2-BPSK	135	136		17.32		16.1	0.5
100	PI2-BPSK	270	0		17.36			
100	QPSK	1	1		17.67			
100	QPSK	1	137		17.52		16.6	0.0
100	QPSK	1	271		17.61			
100	QPSK	135	0		17.44		17.6	1.0
100	QPSK	135	66		17.42		16.6	0.0
100	QPSK	135	136		17.26		17.6	1.0
100	QPSK	270	0		17.31			
100	16QAM	1	1		17.25		17.6	1.0
100	16QAM	1	1		16.76		16.1	2.5
100	16QAM	1	1		16.56		16.1	4.5
Channel								
Frequency (MHz)								
50	QPSK	1	1		17.25		17.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1		16.58	16.69	16.60	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1		17.05	17.43	16.7	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1		17.29	17.48	16.9	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1		17.09	17.62	17.61	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1		17.23	17.77	17.61	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1		17.42	17.74	17.46	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1		17.46	17.54	17.46	0.0

Part27Q n78_Ant_2_PC3 DS16 Simultaneous								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Main Ch. (Frac.)	Power High Ch. (Frac.)	Tune-up time (dBm)	MPN (dB)
Channel								
Frequency (MHz)								
100	PI2-BPSK	1	1		17.36			
100	PI2-BPSK	1	137		17.43		16.6	0.0
100	PI2-BPSK	1	271		17.35			
100	PI2-BPSK	135	0		17.35		16.1	0.5
100	PI2-BPSK	135	66		17.36		16.6	0.5
100	PI2-BPSK	135	136		17.69		16.1	0.5
100	PI2-BPSK	270	0		17.26			
100	QPSK	1	1		17.65			
100	QPSK	1	137		17.37		16.6	0.0
100	QPSK	1	271		17.64			
100	QPSK	135	0		17.27		17.6	1.0
100	QPSK	135	66		17.26		16.6	0.0
100	QPSK	135	136		17.25		17.6	1.0
100	QPSK	270	0		17.26			
100	16QAM	1	1		17.26		17.6	1.0
100	16QAM	1	1		16.53		16.1	2.5
100	16QAM	1	1		16.51		16.1	4.5
Channel								
Frequency (MHz)								
50	QPSK	1	1		17.16	17.36	17.41	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1		16.67	16.66	16.72	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1		17.46	17.64	17.46	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1		17.16	17.26	17.43	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1		17.09	17.42	17.26	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1		16.38	16.69	16.60	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1		17.23	17.26	17.24	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1		17.16	17.36	17.41	0.0



Par270 n77 Ant7_PC3 DS16 Standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Max Ch.1 Freq.	Power High Ch.1 Freq.	Turnup time (dBm)	MFR (dB)	
Channel									
Frequency [MHz]									
100	PLC-BPSK	1	1	22.54	22.58	22.42			
100	PLC-BPSK	1	137	22.29	22.39	22.45	22.9	0.0	
100	PLC-BPSK	1	271	22.40	22.55	22.35			
100	PLC-BPSK	135	0	22.25	22.45	22.33	22.9	0.0	
100	PLC-BPSK	135	68	22.27	22.38	22.25	22.9	0.0	
100	PLC-BPSK	135	138	22.29	22.34	22.25	22.9	0.0	
100	PLC-BPSK	270	0	22.36	22.44	22.22			
100	QPSK	1	1	22.54	22.58	22.55			
100	QPSK	1	137	22.52	22.41	22.41	22.9	0.0	
100	QPSK	1	271	22.50	22.60	22.51			
100	QPSK	135	0	22.28	22.48	22.35	22.9	0.0	
100	QPSK	135	68	22.29	22.39	22.28	22.9	0.0	
100	QPSK	135	138	22.29	22.29	22.14	22.9	0.0	
100	QPSK	270	0	22.32	22.17	22.08			
100	16QAM	1	1	22.48	22.48	22.45	22.9	0.0	
100	16QAM	1	1	21.70	21.82	21.82	21.9	1.0	
100	16QAM	1	1	19.88	19.85	19.85	19.9	3.0	
Channel									
Frequency [MHz]									
90	QPSK	1	1	22.44	22.53	22.45	22.9	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	22.27	22.34	22.30	22.9	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	22.54	22.63	22.57	22.9	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	22.48	22.58	22.50	22.9	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	22.44	22.58	22.50	22.9	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	22.50	22.55	22.35	22.9	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	22.42	22.54	22.54	22.9	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	22.58	22.68	22.51	22.9	0.0	

Par270 n77 Ant7_PC2 DS16 Standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Max Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MFR (dB)	
Channel									
Frequency [MHz]									
100	PLC-BPSK	1	1	25.47	25.57	25.35			
100	PLC-BPSK	1	137	25.45	25.48	25.35	25.9	0.0	
100	PLC-BPSK	1	271	25.35	25.52	25.35			
100	PLC-BPSK	135	0	24.89	25.01	25.01	25.9	0.0	
100	PLC-BPSK	135	68	25.25	25.50	25.25	25.9	0.0	
100	PLC-BPSK	135	138	24.75	24.84	24.69	25.9	0.0	
100	PLC-BPSK	270	0	24.72	24.80	24.77	25.9	0.0	
100	QPSK	1	137	25.45	25.45	25.37	25.9	0.0	
100	QPSK	1	271	25.29	25.57	25.45			
100	QPSK	135	0	25.39	25.41	25.38	25.9	0.0	
100	QPSK	135	68	25.34	25.45	25.29	25.9	0.0	
100	QPSK	135	138	24.71	24.78	24.51	25.9	0.0	
100	QPSK	270	0	24.31	24.37	24.25	25.9	0.0	
100	16QAM	1	1	24.85	24.83	24.80	25.9	0.0	
100	16QAM	1	1	23.97	23.28	23.08	23.9	2.0	
100	16QAM	1	1	20.33	21.11	21.01	21.4	4.0	
Channel									
Frequency [MHz]									
90	QPSK	1	1	25.56	25.56	25.45	25.9	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	25.60	25.50	25.49	25.9	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	25.48	25.60	25.35	25.9	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	25.43	25.53	25.42	25.9	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	25.55	25.57	25.49	25.9	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	25.35	25.67	25.40	25.9	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	25.33	25.58	25.42	25.9	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	25.53	25.55	25.44	25.9	0.0	

Par270Q n77_Ant_7_PC3 DS16 Standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Max Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MFR (dB)	
Channel									
Frequency [MHz]									
100	PLC-BPSK	1	1	21.35					
100	PLC-BPSK	1	137		21.43		22.9	0.0	
100	PLC-BPSK	1	271		21.35				
100	PLC-BPSK	135	0		21.34		22.9	0.0	
100	PLC-BPSK	135	68		21.25		22.9	0.0	
100	PLC-BPSK	135	138		21.32		22.9	0.0	
100	PLC-BPSK	270	0		21.30		22.9	0.0	
100	QPSK	1	1		21.67		22.9	0.0	
100	QPSK	1	137		21.41		22.9	0.0	
100	QPSK	1	271		21.63				
100	QPSK	135	0		21.42		22.9	0.0	
100	QPSK	135	68		21.35		22.9	0.0	
100	QPSK	135	138		21.21		22.9	0.0	
100	QPSK	270	0		21.35		22.9	0.0	
100	16QAM	1	1		21.45		22.9	0.0	
100	16QAM	1	1		20.81		21.9	1.0	
100	16QAM	1	1		18.45		18.9	3.0	
Channel									
Frequency [MHz]									
90	QPSK	1	1	22.48	22.44	22.51	22.9	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	22.48	22.54	22.45	22.9	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	22.41	22.55	22.55	22.9	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	22.53	22.69	22.52	22.9	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	22.51	22.68	22.58	22.9	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	22.38	22.54	22.35	22.9	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	22.44	22.60	22.54	22.9	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	22.44	22.57	22.59	22.9	0.0	

Par270Q n77_Ant_7_PC2 DS16 Standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Max Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MFR (dB)	
Channel									
Frequency [MHz]									
100	PLC-BPSK	1	1	25.75					
100	PLC-BPSK	1	157	25.75			25.1	0.0	
100	PLC-BPSK	1	313	25.75					
100	PLC-BPSK	156	0	25.12			25.1	0.0	
100	PLC-BPSK	156	156	25.12					
100	PLC-BPSK	2713	0	25.12			25.1	0.0	
100	QPSK	1	1	25.75					
100	QPSK	1	157	25.75			25.1	0.0	
100	QPSK	1	313	25.75					
100	QPSK	156	0	25.12			25.1	0.0	
100	QPSK	156	156	25.12					
100	QPSK	2713	0	25.12			25.1	0.0	
100	QPSK	2713	156	25.12			25.1	0.0	
100	QPSK	2713	313	25.12			25.1	0.0	
100	QPSK	2713	469	25.12			25.1	0.0	
100	QPSK	2713	625	25.12			25.1	0.0	
100	QPSK	2713	781	25.12			25.1	0.0	
100	QPSK	2713	938	25.12			25.1	0.0	
100	QPSK	2713	1094	25.12			25.1	0.0	
100	QPSK	2713	1250	25.12			25.1	0.0	
100	QPSK	2713	1406	25.12			25.1	0.0	
100	QPSK	2713	1562	25.12			25.1	0.0	
100	QPSK	2713	1719	25.12			25.1	0.0	
100	QPSK	2713	1875	25.12			25.1	0.0	
100	QPSK	2713	2031	25.12			25.1	0.0	
100	QPSK	2713	2188	25.12			25.1	0.0	
100	QPSK	2713	2344	25.12			25.1	0.0	
100	QPSK	2713	2500	25.12			25.1	0.0	
100	QPSK	2713	2656	25.12			25.1	0.0	
100	QPSK	2713	2812	25.12			25.1	0.0	
100	QPSK	2713	2969	25.12			25.1	0.0	
100	QPSK	2713	3125	25.12			25.1	0.0	
100	QPSK	2713	3281	25.12			25.1	0.0	
100	QPSK	2713	3438	25.12			25.1	0.0	
100	QPSK	2713	3594	25.12			25.1	0.0	
100	QPSK	2713	3750	25.12			25.1	0.0	
100	QPSK	2713	3906	25.12			25.1	0.0	
100	QPSK	2713	4062	25.12			25.1	0.0	
100	QPSK	2713	4219	25.12			25.1	0.0	
100	QPSK	2713	4375	25.12			25.1	0.0	
100	QPSK	2713	4531	25.12			25.1	0.0	
100	QPSK	2713	4688	25.12			25.1	0.0	
100	QPSK	2713	4844	25.12			25.1	0.0	
100	QPSK	2713	5000	25.12			25.1	0.0	
100	QPSK	2713	5156	25.12			25.1	0.0	
100	QPSK	2713	5312	25.12			25.1	0.0	
100	QPSK	2713	5469	25.12			25.1	0.0	
100	QPSK	2713	5625	25.12			25.1	0.0	
100	QPSK	2713	5781	25.12			25.1	0.0	
100	QPSK	2713	5938	25.12			25.1	0.0	
100	QPSK	2713	6094	25.12			25.1	0.0	
100	QPSK	2713	6250	25.12			25.1	0.0	
100	QPSK	2713	6406	25.12			25.1	0.0	
100	QPSK	2713	6562	25.12			25.1	0.0	
100	QPSK	2713	6719	25.12			25.1	0.0	
100	QPSK	2713	6875	25.12			25.1	0.0	
100	QPSK	2713	7031	25.12			25.1	0.0	
100	QPSK	2713	7188	25.12			25.1	0.0	
100	QPSK	2713	7344	25.12			25.1	0.0	
100	QPSK	2713	7500	25.12			25.1	0.0	
100	QPSK	2713	7656	25.12			25.1	0.0	
100	QPSK	2713	7812	25.12			25.1	0.0	
100	QPSK	2713	7969	25.12			25.1	0.0	
100	QPSK	2713	8125	25.12			25.1	0.0	
100	QPSK	2713	8281	25.12			25.1	0.0	
100	QPSK	2713	8438	25.12			25.1	0.0	
100	QPSK	2713	8594	25.12			25.1	0.0	
100	QPSK	2713	8750	25.12			25.1	0.0	
100	QPSK	2713	8906	25.12			25.1	0.0	
100	QPSK	2713	9062	25.12			25.1	0.0	
100	QPSK	2713	9219	25.12			25.1	0.0	
100	QPSK	2713	9375	25.12			25.1	0.0	
100	QPSK	2713	9531	25.12			25.1	0.0	
100	QPSK	2713	9688	25.12			25.1	0.0	
100	QPSK	2713	9844	25.12			25.1	0.0	
100	QPSK	2713	10000	25.12			25.1	0.0	
100	QPSK	2713	10156	25.12			25.1	0.0	
100	QPSK	2713	10312	25.12			25.1	0.0	
100	QPSK	2713	10469	25.12			25.1	0.0	
100	QPSK	2713	10625	25.12			25.1	0.0	
100	QPSK	2713	10781	25.12			25.1	0.0	
100	QPSK	2713	10938	25.12			25.1	0.0	
100	QPSK	2713	11094	25.12			25.1	0.0	
100	QPSK	2713	11250	25.12			25.1	0.0	
100	QPSK	2713	11406	25.12			25.1	0.0	
100	QPSK	2713	11562	25.12			25.1	0.0	
100	QPSK	2713	11719	25.12			25.1	0.0	
100	QPSK	2713	11875	25.12			25.1	0.0	
100	QPSK	2713	12031	25.12			25.1	0.0	
100	QPSK	2713	12188	25.12			25.1	0.0	
100	QPSK	2713	12344	25.12			25.1	0.0	
100	QPSK	2713	12500	25.12			25.1	0.0	
100	QPSK	2713	12656	25.12			25.1	0.0	
100	QPSK	2713	12812	25.12			25.1	0.0	
100	QPSK	2713	12969	25.12			25.1	0.0	
100	QPSK	2713	13125	25.12			25.1	0.0	
100	QPSK	2713	13281	25.12			25.1	0.0	
100	QPSK	2713	13438	25.12			25.1	0.0	
100	QPSK	2713	13594	25.12			25.1	0.0	
100	QPSK	2713	13750	25.12			25.1	0.0	
100	QPSK	2713	13906	25.12			25.1	0.0	
100	QPSK	2713	14062	25.12			25.1	0.0	
100	QPSK	2713	14219	25.12			25.1	0.0	
100	QPSK	2713	14375	25.12			25.1	0.0	
100	QPSK	2713	14531	25.12			25.1	0.0	
100	QPSK	2713	14688	25.12			25.1	0.0	
100	QPSK	2713	14844	25.12			25.1	0.0	
100	QPSK	2713	15000	25.12			25.1	0.0	
100	QPSK	2713	15156	25.12			25.1	0.0	
100	QPSK	2713	15312	25.12			25.1	0.0	
100	QPSK	2713	15469	25.12			25.1	0.0	
100	QPSK	2713	15625	25.12			25.1	0.0	
100	QPSK	2713	15781	25.12			25.1	0.0	
100	QPSK	2713	15938	25.12			25.1	0.0	
100	QPSK	2713	16094	25.12			25.1	0.0	
100	QPSK	2713	16250	25.12			25.1	0.0	
100	QPSK	2713	16406	25.12			25.1	0.0	
100	QPSK	2713	16562	25.12			25.1	0.0	
100	QPSK	2713	16719	25.12			25.1	0.0	
100	QPSK	2713	16875	25.12			25.1	0.0	
100	QPSK	2713	17031	25.12			25.1	0.0	
100	QPSK	2713	17188	25.12			25.1	0.0	
100	QPSK	2713	17344	25.12			25.1	0.0	
100	QPSK	2713	17500	25.12			25.1	0.0	
100	QPSK	2713	17656	25.12			25.1	0.0	
100	QPSK	2713	17812	25.12			25.1	0.0	
100	QPSK	2713	17969	25.12			25.1	0.0	
100	QPSK	2713	18125	25.12			25.1	0.0	
100	QPSK	2713	18281	25.12			25.1	0.0	
100	QPSK	2713	18438	25.12			25.1	0.0	
100	QPSK	2713	18594	25.12			25.1	0.0	
100	QPSK	2713	18750	25.12			25.1	0.0	
100	QPSK	2713	18906	25.12			25.1	0.0	
100	QPSK	2713	19062	25.12			25.1	0.0	
100	QPSK	2713	19219	25.12			25.1	0.0	
100	QPSK	2713	19375	25.12			25.1	0.0	
100	QPSK	2713	19531	25.12			25.1	0.0	
100	QPSK	2713	19688	25.12			25.1	0.0	
100	QPSK	2713	19844	25.12			25.1	0.0	
100	QPSK	2713	20000	25.12			25.1	0.0	
100	QPSK	2713	20156	25.12			25.1	0.0	
100	QPSK	2713	20312	25.12			25.1	0.0	
100	QPSK	2713	20469	25.12			25.1	0.0	
100	QPSK	2713	20625	25.12			25.1	0.0	
100	QPSK	2713	20781	25.12			25.1	0.0	
100	QPSK	2713	20938	25.12			25.1	0.0	
100	QPSK	2713	21094	25.12			25.1	0.0	
100	QPSK	2713	21250	25.12			25.1	0.0	
100	QPSK	2713	21406	25.12			25.1	0.0	
100	QPSK	2713	21562	25.12			25.1	0.0	
100	QPSK	2713	21719	25.12			25.1	0.0	
100	QPSK	2713	21875	25.12			25.1	0.0	
100	QPSK	2713	22031	25.12			25.1	0.0	
100	QPSK	2713	22188	25.12			25.1	0.0	
100	QPSK	2713	22344	25.12			25.1	0.0	
100	QPSK	2713	22500	25.12			25.1	0.0	
100	QPSK	2713	22656	25.12			25.1	0.0	
100	QPSK	2713	22812	25.12			25.1	0.0	
100	QPSK	2713	22969	25.12			25.1	0.0	

Part270 n78 Ant7_PC3 DS16 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. 1 Freq.	Power Modula Ch. 2 Freq.	Power High Ch. 3 Freq.	Time-up time (min)	MFR (dB)	
Channel				850000	850000	850000			
Frequency (MHz)				850000	850000	850000			
100	PV2 BPSK	1	1	22.48					
100	PV2 BPSK	1	157	22.49			22.0	0.0	
100	PV2 BPSK	1	251	22.51					
100	PV2 BPSK	158	0	22.25			22.4	0.5	
100	PV2 BPSK	158	40	22.26			22.4	0.5	
100	PV2 BPSK	158	158	22.24			22.4	0.5	
100	PV2 BPSK	270	0	22.34					
100	QPSK	1	1	22.54					
100	QPSK	1	157	22.51			22.0	0.0	
100	QPSK	1	251	22.50					
100	QPSK	158	0	22.23			23.0	1.0	
100	QPSK	158	40	22.24			24.0	0.5	
100	QPSK	158	158	22.19			21.0	1.0	
100	QPSK	270	0	22.07					
100	16QAM	1	1	22.26			21.0	1.0	
100	64QAM	1	1	21.52			20.4	2.5	
100	256QAM	1	1	19.35			18.4	4.5	
Channel				850000	850000	850000			
Frequency (MHz)				850000	850000	850000			
90	QPSK	1	1	22.35	22.51	22.51	22.0	0.0	
Channel				849334	850000	850000			
Frequency (MHz)				849334	850000	850000			
80	QPSK	1	1	22.47	22.07	22.51	22.0	0.0	
Channel				849000	850000	850000			
Frequency (MHz)				849000	850000	850000			
70	QPSK	1	1	22.44	22.35	22.08	22.0	0.0	
Channel				849000	850000	850000			
Frequency (MHz)				849000	850000	850000			
60	QPSK	1	1	22.53	22.51	22.48	22.0	0.0	
Channel				848334	850000	850000			
Frequency (MHz)				848334	850000	850000			
50	QPSK	1	1	22.38	22.54	22.08	22.0	0.0	
Channel				848000	850000	850000			
Frequency (MHz)				848000	850000	850000			
40	QPSK	1	1	22.48	22.03	22.48	22.0	0.0	
Channel				847666	850000	850000			
Frequency (MHz)				847666	850000	850000			
30	QPSK	1	1	22.59	22.42	22.58	22.0	0.0	
Channel				847334	850000	850000			
Frequency (MHz)				847334	850000	850000			
20	QPSK	1	1	22.49	22.56	22.50	22.0	0.0	

Part27Q n78_FCC Ant 7_PC3 DS16 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. 1 Freq.	Power Modula Ch. 2 Freq.	Power High Ch. 3 Freq.	Time-up time (min)	MFR (dB)	
Channel				833334					
Frequency (MHz)				833334					
100	PV2 BPSK	1	1	21.29					
100	PV2 BPSK	1	157	21.39			22.0	0.0	
100	PV2 BPSK	1	251	21.28					
100	PV2 BPSK	158	0	21.24			22.4	0.5	
100	PV2 BPSK	158	40	21.25			22.4	0.5	
100	PV2 BPSK	158	158	21.22			22.4	0.5	
100	PV2 BPSK	270	0	21.26					
100	QPSK	1	1	21.37					
100	QPSK	1	157	21.31			22.0	0.0	
100	QPSK	1	251	21.33					
100	QPSK	158	0	21.33			23.0	1.0	
100	QPSK	158	40	21.36			24.0	0.5	
100	QPSK	158	158	21.11			21.0	1.0	
100	QPSK	270	0	21.25					
100	16QAM	1	1	21.36			21.0	1.0	
100	64QAM	1	1	20.51			20.4	2.5	
100	256QAM	1	1	18.36			18.4	4.5	
Channel				833334	833334	845334			
Frequency (MHz)				833334	833334	845334			
90	QPSK	1	1	22.45	22.37	22.40	22.0	0.0	
Channel				833334	833334	854668			
Frequency (MHz)				833334	833334	854668			
80	QPSK	1	1	22.46	22.40	22.51	22.0	0.0	
Channel				833334	833334	855000			
Frequency (MHz)				833334	833334	855000			
70	QPSK	1	1	22.42	22.06	22.51	22.0	0.0	
Channel				833334	833334	855334			
Frequency (MHz)				833334	833334	855334			
60	QPSK	1	1	22.44	22.53	22.40	22.0	0.0	
Channel				833334	833334	855668			
Frequency (MHz)				833334	833334	855668			
50	QPSK	1	1	22.45	22.54	22.57	22.0	0.0	
Channel				833334	833334	855834			
Frequency (MHz)				833334	833334	855834			
40	QPSK	1	1	22.47	22.52	22.48	22.0	0.0	
Channel				833334	833334	856168			
Frequency (MHz)				833334	833334	856168			
30	QPSK	1	1	22.44	22.04	22.53	22.0	0.0	
Channel				833334	833334	856500			
Frequency (MHz)				833334	833334	856500			
20	QPSK	1	1	22.54	22.05	22.56	22.0	0.0	

Par270 n77 Ant2_PC3 DS16 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Media Ch.1 Freq.	Power High Ch.1 Freq.	Turnup time (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
100	PI2-BPSK	1	1	21.05	21.05	20.85		21.4	0.0
100	PI2-BPSK	1	137	20.83	21.07	20.85		21.4	0.0
100	PI2-BPSK	1	271	20.92	21.02	20.85			
100	PI2-BPSK	135	0	20.79	20.94	20.86		21.4	0.0
100	PI2-BPSK	135	68	20.84	20.86	20.87			
100	PI2-BPSK	135	138	20.89	20.88	20.72		21.4	0.0
100	PI2-BPSK	270	0	20.84	20.91	20.88			
100	QPSK	1	1	21.05	21.05	21.05		21.4	0.0
100	QPSK	1	137	21.04	20.95	20.92			
100	QPSK	1	271	20.99	21.10	21.07			
100	QPSK	135	0	20.82	21.02	20.87		21.4	0.0
100	QPSK	135	68	20.79	20.96	20.78			
100	QPSK	135	138	20.64	20.85	20.82		21.4	0.0
100	QPSK	270	0	20.87	20.88	20.85			
100	16QAM	1	1	21.05	20.98	21.07		21.4	0.0
100	16QAM	1	1	20.21	20.14	20.08		20.4	1.0
100	16QAM	1	1	11.23	11.12	11.12		10.4	0.0
Channel									
Frequency [MHz]									
50	QPSK	1	1	20.56	20.58	20.55		21.4	0.0
50	QPSK	1	1	640000	630000	640000		Turn-up time (dBm)	MPR
50	QPSK	1	1	2145.01	3440	3440.20		(dB)	
Channel									
Frequency [MHz]									
70	QPSK	1	1	21.05	21.09	21.04		21.4	0.0
70	QPSK	1	1	444000	630000	630000		Turn-up time (dBm)	MPR
70	QPSK	1	1	21.12	21.21	21.26		(dB)	
70	QPSK	1	1	20.72	21.21	20.98		21.4	0.0
Channel									
Frequency [MHz]									
50	QPSK	1	1	20.65	20.17	20.85		21.4	0.0
50	QPSK	1	1	640000	630000	640000		Turn-up time (dBm)	MPR
50	QPSK	1	1	3720	3640	3660		(dB)	
40	QPSK	1	1	20.99	21.07	20.87		21.4	0.0
Channel									
Frequency [MHz]									
30	QPSK	1	1	21.42	21.18	21.00		21.4	0.0
30	QPSK	1	1	645334	630000	645000		Turn-up time (dBm)	MPR
30	QPSK	1	1	21.11	19.90	20.82		(dB)	
30	QPSK	1	1	20.85	21.18	21.05		21.4	0.0

Par270 n77 Ant2_PC2 DS16 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Media Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
100	PI2-BPSK	1	1	20.88	20.93	20.79			
100	PI2-BPSK	1	137	20.92	20.83	20.70		24.4	0.0
100	PI2-BPSK	1	271	20.72	20.82	20.82			
100	PI2-BPSK	135	0	20.77	20.45	20.40		24.4	0.0
100	PI2-BPSK	135	68	20.81	20.77	20.70		24.4	0.0
100	PI2-BPSK	135	138	20.70	20.38	20.21		24.4	0.0
100	PI2-BPSK	270	0	20.71	20.25	20.17		24.4	0.0
100	QPSK	1	1	20.93	20.75	20.70			
100	QPSK	1	137	20.88	20.89	20.77		24.4	0.0
100	QPSK	1	271	20.70	20.72	20.84			
100	QPSK	135	0	20.80	20.78	20.70		24.4	0.0
100	QPSK	135	68	20.81	20.70	20.67		24.4	0.0
100	QPSK	135	138	20.48	20.70	20.67		24.4	0.0
100	QPSK	270	0	20.70	20.72	20.68		24.4	0.0
100	16QAM	1	1	20.90	20.23	20.15		24.4	0.0
100	16QAM	1	1	21.48	21.87	21.51		20.4	2.0
100	16QAM	1	1	10.29	10.40	10.43		10.4	4.0
Channel									
Frequency [MHz]									
50	QPSK	1	1	20.59	20.50	20.51		24.4	0.0
50	QPSK	1	1	640334	630000	630000		MPR	
50	QPSK	1	1	3145.01	3440	3440.20		(dB)	
80	QPSK	1	1	20.88	20.00	20.90		24.4	0.0
Channel									
Frequency [MHz]									
70	QPSK	1	1	24.00	20.99	20.85		24.4	0.0
70	QPSK	1	1	640000	630000	630000		MPR	
70	QPSK	1	1	24.10	20.99	20.70		(dB)	
80	QPSK	1	1	24.00	24.00	20.70		24.4	0.0
Channel									
Frequency [MHz]									
50	QPSK	1	1	24.00	20.98	20.84		24.4	0.0
50	QPSK	1	1	640000	630000	640000		MPR	
50	QPSK	1	1	3720	3640	3660		(dB)	
40	QPSK	1	1	24.00	20.87	20.80		20.4	0.0
Channel									
Frequency [MHz]									
30	QPSK	1	1	24.04	20.96	20.88		20.4	0.0
30	QPSK	1	1	645334	630000	645000		MPR	
30	QPSK	1	1	21.01	19.90	20.82		(dB)	
20	QPSK	1	1	20.90	20.98	20.87		24.4	0.0

Par270Q n77_Ant 7_PC3 DS16 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Media Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
100	PI2-BPSK	1	0	20.85					
100	PI2-BPSK	1	137		20.87		21.4	0.0	
100	PI2-BPSK	1	271		20.92				
100	PI2-BPSK	135	0		20.81		21.4	0.0	
100	PI2-BPSK	135	68		20.80		21.4	0.0	
100	PI2-BPSK	135	138		20.79		21.4	0.0	
100	QPSK	1	1		21.17				
100	QPSK	1	137		20.92		21.4	0.0	
100	QPSK	1	271		21.14				
100	QPSK	135	0		20.91		21.4	0.0	
100	QPSK	135	68		20.90		21.4	0.0	
100	QPSK	135	138		20.87		21.4	0.0	
100	QPSK	270	0		20.84		21.4	0.0	
100	16QAM	1	1		20.80		21.4	0.0	
100	16QAM	1	1		20.18		19.4	2.0	
100	16QAM	1	1		10.30		10.3	4.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1		630000	630000	Turn-up time (dB)	MPR	
50	QPSK	1	1		21.00	21.17	21.10	21.4	0.0
Channel									
Frequency [MHz]									
80	QPSK	1	1		630000	630000	Turn-up time (dB)	MPR	
80	QPSK	1	1		20.94	21.00	20.99	21.4	0.0
Channel									
Frequency [MHz]									
70	QPSK	1	1		20.87	21.12	20.88	21.4	0.0
Channel									
Frequency [MHz]									
80	QPSK	1	1		21.00	21.18	20.70	21.4	0.0
Channel									
Frequency [MHz]									
50	QPSK	1	1		631668	630000	Turn-up time (dB)	MPR	
50	QPSK	1	1		20.99	21.21	20.88	21.4	0.0
Channel									
Frequency [MHz]									
40	QPSK	1	1		631334	630000	Turn-up time (dB)	MPR	
40	QPSK	1	1		20.92	21.07	20.81	21.4	0.0
Channel									
Frequency [MHz]									
30	QPSK	1	1		3440	3500.01	3500.02	Turn-up time (dB)	MPR
30	QPSK	1	1		20.87	20.80	20.40	21.4	0.0
Channel									
Frequency [MHz]									
20	QPSK	1	1		20.90	21.08	20.86	21.4	0.0

Par270Q n77_Ant 7_PC2 DS16 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Media Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
100	PI2-BPSK	1	1		20.47				
100	PI2-BPSK	1	157		21.37		24	0	0
100	PI2-BPSK	156	1		21.43				
100	PI2-BPSK	156	0		22.84		24	0	0
100	PI2-BPSK	156	156		22.86		24	0	0
100	PI2-BPSK	2710	0		22.77		24	0	0
100	QPSK	1	157		21.23		24	0	0
100	QPSK	1	158		21.51				
100	QPSK	156	0		21.01		24	0	0
100	QPSK	156	156		21.76		24	0	0
100	QPSK	2710	0		22.71		24	0	0
100	QPSK	2710	1		22.81		24	0	0
100	QPSK	1	1		21.10		24	0	0
100	QPSK	1	1		21.56		24	0	0
Channel									
100	QPSK	1	1	93400	93434	93434	Turn-up time	MPR	
30	QPSK	1	1	22.20	22.50	23.00	24	0	0
30	QPSK	1	1	93400	93434	93434	Turn-up time	MPR	
30	QPSK	1	1	24.00	24.30	24.60	24	0	0
30	QPSK	1	1	22.16	22.47	23.00	24	0	0
30	QPSK	1	1	22.17	22.47	23.00	24	0	0
Frequency [MHz]									
30	QPSK	1	1	348.51	350.01	351.51	24	0	0
30	QPSK	1	1	21.00	21.19	21.36	24	0	0
30	QPSK	1	1	21.00	21.19	21.36	24	0	0
30	QPSK	1	1	20.99	21.11	21.24	24	0	0
Channel									
30	QPSK	1	1	93166	93134	93100	Turn-up time	MPR	
30	QPSK	1	1	24.00	24.30	24.60	24	0	0
30	QPSK	1	1	22.07	22.04	22.02	24	0	0
Frequency [MHz]									
40	QPSK	1	1	21.11	21.07	21.09	24	0	0
40	QPSK	1	1	21.12	21.07	21.09	24	0	0
Channel									
40	QPSK	1	1	348.51	350.00	350.00	24	0	0
40	QPSK	1	1	21.12	21.08	21.01	24	0	0
40	QPSK	1	1	21.12	21.08	21.01	24	0	0
Channel									
30	QPSK	1	1	93668	93334	93334	Turn-up time	MPR	
30	QPSK	1	1	22.01	22.14	22.94	24	0	0

Part270 n78 Ant2_PC3 DSi6 Simultaneous								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 2 Freq.	Power Max Ch. 2 Freq.	Power High Ch. 2 Freq.	Time-up time (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI-C BPSK	1	1	20.82				
100	PI-C BPSK	1	137	20.86			21.4	0.0
100	PI-C BPSK	1	271	20.93				
100	PI-C BPSK	135	0	20.75			21.4	0.0
100	PI-C BPSK	135	86	20.76			21.4	0.0
100	PI-C BPSK	135	138	20.74			21.4	0.0
100	PI-C BPSK	270	0	20.84				
100	QPSK	1	1	21.10				
100	QPSK	1	137	20.86			21.4	0.0
100	QPSK	1	271	21.10				
100	QPSK	135	0	20.85			21.4	0.0
100	QPSK	135	86	20.86			21.4	0.0
100	QPSK	135	138	20.85			21.4	0.0
100	QPSK	270	0	20.77			21.4	0.0
100	16QAM	1	1	20.86			21.4	0.0
100	16QAM	1	1	20.17			18.4	2.0
100	16QAM	1	1	17.64			15.6	4.5
Channel								
Frequency (MHz)								
80	QPSK	1	1	54956	55000	55034	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.59	21.05	21.02	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54934	55000	55066	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.87	20.99	21.01	21.4	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	20.83	21.11	20.99	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54966	55000	55034	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.84	21.03	20.83	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54900	55000	55100	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.81	21.03	20.82	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54934	55000	55066	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.03	21.14	21.07	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54934	55000	55066	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.84	21.03	20.83	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54900	55000	55100	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.81	21.03	20.82	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54934	55000	55066	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.03	21.14	21.07	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54934	55000	55066	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.84	21.03	20.83	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54900	55000	55100	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.81	21.03	20.82	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54934	55000	55066	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.03	21.14	21.07	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54934	55000	55066	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.84	21.03	20.83	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54900	55000	55100	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.81	21.03	20.82	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54934	55000	55066	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.03	21.14	21.07	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54934	55000	55066	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.84	21.03	20.83	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54900	55000	55100	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.81	21.03	20.82	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54934	55000	55066	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.03	21.14	21.07	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54934	55000	55066	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.84	21.03	20.83	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54900	55000	55100	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.81	21.03	20.82	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54934	55000	55066	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.03	21.14	21.07	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54934	55000	55066	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.84	21.03	20.83	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54900	55000	55100	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.81	21.03	20.82	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54934	55000	55066	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.03	21.14	21.07	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54934	55000	55066	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.84	21.03	20.83	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54900	55000	55100	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.81	21.03	20.82	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54934	55000	55066	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.03	21.14	21.07	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54934	55000	55066	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.84	21.03	20.83	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54900	55000	55100	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.81	21.03	20.82	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54934	55000	55066	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.03	21.14	21.07	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54934	55000	55066	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.84	21.03	20.83	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54900	55000	55100	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.81	21.03	20.82	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54934	55000	55066	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.03	21.14	21.07	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54934	55000	55066	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.84	21.03	20.83	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54900	55000	55100	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.81	21.03	20.82	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54934	55000	55066	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.03	21.14	21.07	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54934	55000	55066	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.84	21.03	20.83	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54900	55000	55100	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.81	21.03	20.82	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54934	55000	55066	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.03	21.14	21.07	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54934	55000	55066	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.84	21.03	20.83	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54900	55000	55100	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.81	21.03	20.82	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54934	55000	55066	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.03	21.14	21.07	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54934	55000	55066	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.84	21.03	20.83	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54900	55000	55100	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.81	21.03	20.82	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54934	55000	55066	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.03	21.14	21.07	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54934	55000	55066	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.84	21.03	20.83	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54900	55000	55100	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.81	21.03	20.82	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54934	55000	55066	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.03	21.14	21.07	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54934	55000	55066	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.84	21.03	20.83	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54900	55000	55100	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.81	21.03	20.82	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54934	55000	55066	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.03	21.14	21.07	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54934	55000	55066	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.84	21.03	20.83	21.4	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	54900	55000	55100	Time-up time (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.81				

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

Par270 n77 Ant 3_PC3							
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. [MHz]	Power Media Ch. Freq. [MHz]	Power High Ch. Freq. [MHz]	Time-up time (dBm)
Channel							
100	Frequency (MHz)			846000	846000	846000	
100	PI2 BPSK	1	1	22.87	22.78	22.68	
100	PI2 BPSK	1	137	22.82	22.83	22.86	24.0
100	PI2 BPSK	1	211	22.92	22.90	22.73	
100	PI2 BPSK	135	0	22.93	22.81	22.62	24.0
100	PI2 BPSK	135	68	22.71	22.70	22.51	24.0
100	PI2 BPSK	135	138	22.82	22.80	22.78	24.0
100	PI2 BPSK	270	0	22.95	22.78	22.64	
100	QPSK	1	1	22.95	22.95	22.83	
100	QPSK	1	137	22.74	22.79	22.68	24.0
100	QPSK	1	211	22.78	23.02	22.83	
100	QPSK	135	0	22.97	22.89	22.80	24.0
100	QPSK	135	68	22.85	22.70	22.61	24.0
100	QPSK	135	138	22.86	22.70	22.69	24.0
100	QPSK	270	0	22.82	22.88	22.96	
100	SSB-AM	1	1	22.82	22.85	22.82	24.0
100	SSB-AM	1	1	21.84	21.88	21.87	24.0
100	SSB-AM	1	1	18.81	18.87	18.86	21.0
Channel							
Frequency (MHz)				846000	846000	846000	Time-up time (dBm)
90	QPSK	1	1	22.79	22.77	22.67	24.0
Channel							
Frequency (MHz)				846000	846000	846000	Time-up time (dBm)
80	QPSK	1	1	22.92	22.91	22.82	24.0
Channel							
Frequency (MHz)				846000	846000	846000	Time-up time (dBm)
70	QPSK	1	1	22.74	22.76	22.67	24.0
Channel							
Frequency (MHz)				846000	846000	846000	Time-up time (dBm)
60	QPSK	1	1	22.79	22.78	22.67	24.0
Channel							
Frequency (MHz)				846000	846000	846000	Time-up time (dBm)
50	QPSK	1	1	22.76	22.76	22.61	24.0
Channel							
Frequency (MHz)				846000	846000	846000	Time-up time (dBm)
40	QPSK	1	1	22.81	22.84	22.81	24.0
Channel							
Frequency (MHz)				846000	846000	846000	Time-up time (dBm)
30	QPSK	1	1	22.79	22.79	22.62	24.0
Channel							
Frequency (MHz)				846000	846000	846000	Time-up time (dBm)
20	QPSK	1	1	22.74	22.80	22.51	24.0

Par270 n77 Ant 3_PC2							
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. [MHz]	Power Media Ch. Freq. [MHz]	Power High Ch. Freq. [MHz]	Time-up time (dBm)
Channel							
100	Frequency (MHz)			846000	846000	846000	
100	PI2 BPSK	1	1	25.84	25.85	25.89	
100	PI2 BPSK	1	137	25.85	25.71	25.88	27.0
100	PI2 BPSK	1	211	25.77	25.58	25.59	
100	PI2 BPSK	135	0	25.59	25.55	25.52	26.5
100	PI2 BPSK	135	68	25.72	25.46	25.71	27.0
100	PI2 BPSK	135	138	25.55	25.41	25.21	26.5
100	PI2 BPSK	270	0	25.85	25.42	25.31	
100	QPSK	1	1	25.85	25.85	25.81	
100	QPSK	1	137	25.79	25.78	25.87	27.0
100	QPSK	1	211	25.84	25.87	25.81	
100	QPSK	135	0	24.84	24.88	24.79	26.5
100	QPSK	135	68	25.85	25.70	25.21	27.0
100	QPSK	135	138	24.71	24.88	24.83	26.5
100	QPSK	270	0	24.77	24.88	24.80	
100	SSB-AM	1	1	25.85	25.87	25.85	26.5
100	SSB-AM	1	1	23.45	23.53	23.44	25.0
100	SSB-AM	1	1	21.24	21.30	21.28	22.5
Channel							
Frequency (MHz)				846000	846000	846000	Time-up time (dBm)
90	QPSK	1	1	25.50	25.76	25.79	27.0
Channel							
Frequency (MHz)				846000	846000	846000	Time-up time (dBm)
80	QPSK	1	1	25.50	25.76	25.72	27.0
Channel							
Frequency (MHz)				846000	846000	846000	Time-up time (dBm)
70	QPSK	1	1	25.49	25.76	25.71	27.0
Channel							
Frequency (MHz)				846000	846000	846000	Time-up time (dBm)
60	QPSK	1	1	25.52	25.74	25.70	27.0
Channel							
Frequency (MHz)				846000	846000	846000	Time-up time (dBm)
50	QPSK	1	1	25.68	25.68	25.66	27.0
Channel							
Frequency (MHz)				846000	846000	846000	Time-up time (dBm)
40	QPSK	1	1	25.82	25.83	25.74	27.0
Channel							
Frequency (MHz)				846000	846000	846000	Time-up time (dBm)
30	QPSK	1	1	25.84	25.79	25.74	27.0
Channel							
Frequency (MHz)				846000	846000	846000	Time-up time (dBm)
20	QPSK	1	1	25.40	25.69	25.59	27.0

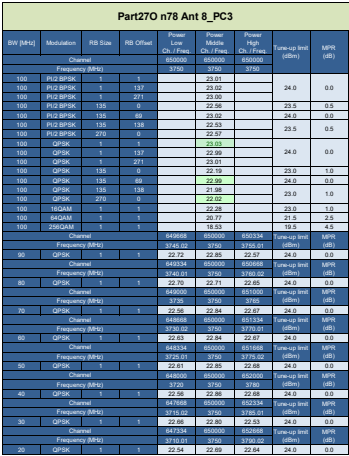
Part27Q n77_Ant 3_PC3							
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. [MHz]	Power Media Ch. Freq. [MHz]	Power High Ch. Freq. [MHz]	Time-up time (dBm)
Channel							
100	Frequency (MHz)			846000	846000	846000	
100	PI2 BPSK	1	1	22.69			
100	PI2 BPSK	1	137	22.59			24.0
100	PI2 BPSK	1	211	22.72			
100	PI2 BPSK	135	0	22.49			24.0
100	PI2 BPSK	135	68	22.64			
100	PI2 BPSK	135	138	22.64			
100	PI2 BPSK	270	0	22.69			24.0
100	QPSK	1	1	22.69			
100	QPSK	1	137	22.59			24.0
100	QPSK	1	211	22.67			
100	QPSK	135	0	22.49			24.0
100	QPSK	135	68	22.64			
100	QPSK	135	138	22.64			
100	QPSK	270	0	22.69			24.0
100	SSB-AM	1	1	22.59			24.0
100	SSB-AM	1	1	21.77			23.0
100	SSB-AM	1	1	18.67			21.0
Channel							
Frequency (MHz)				846000	846000	846000	Time-up time (dBm)
90	QPSK	1	1	22.61	22.58	22.58	24.0
Channel							
Frequency (MHz)				846000	846000	846000	Time-up time (dBm)
80	QPSK	1	1	22.63	22.70	22.55	24.0
Channel							
Frequency (MHz)				846000	846000	846000	Time-up time (dBm)
70	QPSK	1	1	22.52	22.61	22.48	24.0
Channel							
Frequency (MHz)				846000	846000	846000	Time-up time (dBm)
60	QPSK	1	1	22.60	22.70	22.57	24.0
Channel							
Frequency (MHz)				846000	846000	846000	Time-up time (dBm)
50	QPSK	1	1	22.45	22.64	22.64	24.0
Channel							
Frequency (MHz)				846000	846000	846000	Time-up time (dBm)
40	QPSK	1	1	22.59	22.65	22.61	24.0
Channel							
Frequency (MHz)				846000	846000	846000	Time-up time (dBm)
30	QPSK	1	1	22.43	22.42	22.48	24.0
Channel							
Frequency (MHz)				846000	846000	846000	Time-up time (dBm)
20	QPSK	1	1	22.58	22.80	22.62	24.0

Part27Q n77_Ant 3_PC2							
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. [MHz]	Power Media Ch. Freq. [MHz]	Power High Ch. Freq. [MHz]	Time-up time (dBm)
Channel							
100	Frequency (MHz)			846000	846000	846000	Time-up time (dBm)
100	PI2 BPSK	1	1	25.68			
100	PI2 BPSK	1	137	25.57			27.0
100	PI2 BPSK	1	211	25.58			
100	PI2 BPSK	135	0	25.19			26.5
100	PI2 BPSK	135	68	25.78			27.0
100	PI2 BPSK	135	138	25.28			26.5
100	PI2 BPSK	270	0	25.68			26.5
100	QPSK	1	1	25.68			
100	QPSK	1	137	25.65			27.0
100	QPSK	1	211	25.81			
100	QPSK	135	0	24.89			26.5
100	QPSK	135	68	25.84			27.0
100	QPSK	135	138	24.88			26.5
100	QPSK	270	0	24.76			26.5
100	SSB-AM	1	1	24.85			26.5
100	SSB-AM	1	1	23.48			25.0
100	SSB-AM	1	1	21.32			22.5
Channel							
Frequency (MHz)				846000	846000	846000	Time-up time (dBm)
90	QPSK	1	1	25.50	25.67	25.68	27.0
Channel							
Frequency (MHz)				846000	846000	846000	Time-up time (dBm)
80	QPSK	1	1	25.55	25.85	25.74	27.0
Channel							
Frequency (MHz)				846000	846000	846000	Time-up time (dBm)
70	QPSK	1	1	25.53	25.77	25.63	27.0
Channel							
Frequency (MHz)				846000	846000	846000	Time-up time (dBm)
60	QPSK	1	1	25.53	25.81	25.62	27.0
Channel							
Frequency (MHz)				846000	846000	846000	Time-up time (dBm)
50	QPSK	1	1	25.54	25.72	25.68	27.0
Channel							
Frequency (MHz)				846000	846000	846000	Time-up time (dBm)
40	QPSK	1	1	25.53	25.84	25.73	27.0
Channel							
Frequency (MHz)				846000	846000	846000	Time-up time (dBm)
30	QPSK	1	1	25.57	25.86	25.72	27.0
Channel							
Frequency (MHz)				846000	846000	846000	Time-up time (dBm)
20	QPSK	1	1	25.46	25.74	25.71	27.0

Part270 n78 Ant_3_PC3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. (MHz)	Power Max Ch./Freq. (MHz)	Power High Ch./Freq. (MHz)	Turnup time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)				3750		3750			
100	PL2-BPSK	1	1	22.38					
100	PL2-BPSK	1	137	22.58		24.0		0.0	
100	PL2-BPSK	1	271	22.51					
100	PL2-BPSK	135	5	22.81		23.5		0.5	
100	PL2-BPSK	135	85	22.76		24.0		0.0	
100	PL2-BPSK	135	138	22.53		23.5		0.5	
100	PL2-BPSK	270	0	22.85					
100	QPSK	1	1	22.51		24.0		0.0	
100	QPSK	1	137	22.51					
100	QPSK	1	271	22.38					
100	QPSK	135	5	21.50		23.0		1.0	
100	QPSK	135	85	22.51		24.0		0.0	
100	QPSK	135	138	21.54		23.0		1.0	
100	QPSK	270	0	21.50		23.0		1.0	
100	QPSK	270	0	21.50		23.0		1.0	
100	QPSK	1	1	20.38		21.5		2.5	
100	QPSK	1	1	18.08		19.5		4.5	
Channel									
Frequency (MHz)				849898		850000		850298	
Channel				849898		850000		850298	
50	QPSK	1	1	22.59		22.55		24.0	
Channel				849334		850000		850666	
Frequency (MHz)				849334		850000		850666	
80	QPSK	1	1	22.48		22.74		24.0	
Channel				849334		850000		850666	
Frequency (MHz)				849334		850000		850666	
70	QPSK	1	1	22.42		22.57		24.0	
Channel				849334		850000		850666	
Frequency (MHz)				849334		850000		850666	
60	QPSK	1	1	22.42		22.73		22.41	
Channel				849334		850000		850666	
Frequency (MHz)				849334		850000		850666	
50	QPSK	1	1	22.39		22.74		22.57	
Channel				849334		850000		850666	
Frequency (MHz)				849334		850000		850666	
40	QPSK	1	1	22.48		22.70		22.48	
Channel				849334		850000		850666	
Frequency (MHz)				849334		850000		850666	
30	QPSK	1	1	22.48		22.74		22.57	
Channel				849334		850000		850666	
Frequency (MHz)				849334		850000		850666	
20	QPSK	1	1	22.52		22.85		22.57	
Channel				849334		850000		850666	
Frequency (MHz)				849334		850000		850666	

Part27Q n78_Ant_3_PC3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Max Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Turnup time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)				833334		833334			
100	PL2-BPSK	1	1	22.31					
100	PL2-BPSK	1	137	22.49		24.0		0.0	
100	PL2-BPSK	1	271	22.42					
100	PL2-BPSK	135	5	21.35		23.5		0.5	
100	PL2-BPSK	135	85	21.76		24.0		0.0	
100	PL2-BPSK	135	138	22.42		23.5		0.5	
100	PL2-BPSK	270	0	21.34					
100	QPSK	1	1	21.35		24.0		0.0	
100	QPSK	1	137	22.41		24.0		0.0	
100	QPSK	1	271	22.38					
100	QPSK	135	5	21.42		23.0		7.0	
100	QPSK	135	85	22.51		24.0		0.0	
100	QPSK	135	138	21.47		23.0		1.0	
100	QPSK	270	0	21.46		23.0		1.0	
100	QPSK	270	0	21.46		23.0		1.0	
100	QPSK	1	1	20.25		21.5		2.5	
100	QPSK	1	1	17.87		19.5		4.5	
Channel									
Frequency (MHz)				833334		833334		833334	
Channel									
Frequency (MHz)				833334		833334		833334	
50	QPSK	1	1	22.54		22.77		23.5	
Channel									
Frequency (MHz)				833050		833058		833066	
80	QPSK	1	1	22.30		22.75		22.41	
Channel									
Frequency (MHz)				833050		833058		833066	
70	QPSK	1	1	22.33		22.56		23.5	
Channel									
Frequency (MHz)				833050		833058		833066	
60	QPSK	1	1	22.44		22.71		22.54	
Channel									
Frequency (MHz)				833050		833058		833066	
50	QPSK	1	1	22.38		22.72		22.42	
Channel									
Frequency (MHz)				833050		833058		833066	
40	QPSK	1	1	22.53		22.69		22.50	
Channel									
Frequency (MHz)				833050		833058		833066	
30	QPSK	1	1	22.42		22.76		22.42	
Channel									
Frequency (MHz)				833050		833058		833066	
20	QPSK	1	1	22.48		22.71		22.50	

Par270 n77 Ant 8_PC3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 (W)	Power Max Ch.1 (W)	Power High Ch.1 (W)	Turn-up time (dBm)
Channel							
Frequency (MHz)							
100	PI2 BPSK	1	1	22.88	22.96	22.85	
100	PI2 BPSK	1	137	22.85	22.84	22.89	24.0
100	PI2 BPSK	1	271	22.83	22.85	22.85	
100	PI2 BPSK	135	0	22.76	22.87	22.81	24.0
100	PI2 BPSK	135	66	22.71	22.81	22.72	24.0
100	PI2 BPSK	135	138	22.72	22.76	22.69	24.0
100	PI2 BPSK	270	0	22.88	22.82	22.76	
100	QPSK	1	1	22.92	22.95	22.95	
100	QPSK	1	137	22.89	22.82	22.89	24.0
100	QPSK	1	271	22.88	22.93	22.95	
100	QPSK	135	0	22.84	22.82	22.79	24.0
100	QPSK	135	66	22.71	22.86	22.74	24.0
100	QPSK	135	138	22.69	22.77	22.64	24.0
100	QPSK	270	0	22.74	22.84	22.86	
100	16QAM	1	1	22.96	22.74	22.66	24.0
100	16QAM	1	1	21.84	21.68	21.61	23.0
100	16QAM	1	1	20.43	20.70	20.49	21.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	22.82	22.96	22.71	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.89	22.96	22.82	24.0
Channel							
Frequency (MHz)							
70	QPSK	1	1	22.75	22.89	22.79	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency							



Part270 n78_Ant_8_PC3							
RF [MHz]	Modulation	RF Side	RF Offset	Power [dBm]	Channel BW [MHz]	Power High [dBm]	Power Low [dBm]
Channel				819350	819354	819358	819362
Frequency (MHz)				819350	819354	819358	819362
100	PSK-BPSK	1	119	22.80	22.87	24.0	0.0
100	PSK-BPSK	1	119	22.84	22.84	24.0	0.0
100	PSK-BPSK	1	119	22.88	22.88	24.0	0.0
100	PSK-BPSK	156	0	22.45	22.45	24.0	0.0
100	PSK-BPSK	156	0	22.49	22.49	24.0	0.0
100	PSK-BPSK	156	136	22.45	22.45	24.0	0.0
100	PSK-BPSK	213	0	22.50	22.50	23.5	0.5
100	PSK-BPSK	213	0	22.52	22.52	24.0	0.0
100	QPSK	1	119	22.80	22.84	24.0	0.0
100	QPSK	1	119	22.84	22.84	24.0	0.0
100	QPSK	1	119	22.88	22.88	24.0	0.0
100	QPSK	156	0	22.37	22.37	24.0	0.0
100	QPSK	156	0	22.41	22.41	24.0	0.0
100	QPSK	156	136	22.35	22.35	24.0	0.0
100	QPSK	213	0	22.38	22.38	23.5	0.5
100	QPSK	213	0	22.40	22.40	24.0	0.0
100	8QAM	1	119	22.80	22.84	24.0	0.0
100	8QAM	1	119	22.84	22.84	24.0	0.0
100	8QAM	1	119	22.88	22.88	24.0	0.0
100	8QAM	156	0	22.35	22.35	24.0	0.0
100	8QAM	156	0	22.39	22.39	24.0	0.0
100	8QAM	156	136	22.31	22.31	24.0	0.0
100	8QAM	213	0	22.32	22.32	23.5	0.5
100	8QAM	213	0	22.34	22.34	24.0	0.0
100	16QAM	1	119	22.80	22.84	24.0	0.0
100	16QAM	1	119	22.84	22.84	24.0	0.0
100	16QAM	1	119	22.88	22.88	24.0	0.0
100	16QAM	156	0	22.35	22.35	24.0	0.0
100	16QAM	156	0	22.39	22.39	24.0	0.0
100	16QAM	156	136	22.31	22.31	24.0	0.0
100	16QAM	213	0	22.32	22.32	23.5	0.5
100	16QAM	213	0	22.34	22.34	24.0	0.0
100	64QAM	1	119	22.80	22.84	24.0	0.0
100	64QAM	1	119	22.84	22.84	24.0	0.0
100	64QAM	1	119	22.88	22.88	24.0	0.0
100	64QAM	156	0	22.35	22.35	24.0	0.0
100	64QAM	156	0	22.39	22.39	24.0	0.0
100	64QAM	156	136	22.31	22.31	24.0	0.0
100	64QAM	213	0	22.32	22.32	23.5	0.5
100	64QAM	213	0	22.34	22.34	24.0	0.0
100	256QAM	1	119	22.80	22.84	24.0	0.0
100	256QAM	1	119	22.84	22.84	24.0	0.0
100	256QAM	1	119	22.88	22.88	24.0	0.0
100	256QAM	156	0	22.35	22.35	24.0	0.0
100	256QAM	156	0	22.39	22.39	24.0	0.0
100	256QAM	156	136	22.31	22.31	24.0	0.0

[illegible][illegible]

Ref. [MHz]	Modulation	HS rate	HS Offset	Power Level [dBm]	Power Level [dBm] @ 1000 Hz	Power Level [dBm] @ 1000 Hz @ 1000 Hz	Time-up shift [s]	MFR [%]
Channel								
100	PSK-BPSK	1	0	-17.75	-17.75	-17.75	16.2	0.0
100	PSK-BPSK	1	1	-17.75	-17.75	-17.75	16.2	0.0
100	PSK-BPSK	1	211	-17.75	-17.75	-17.75	16.2	0.0
100	PSK-BPSK	1	212	-17.75	-17.75	-17.75	16.2	0.0
100	PSK-BPSK	156	0	-17.75	-17.75	-17.75	16.2	0.0
100	PSK-BPSK	156	1	-17.75	-17.75	-17.75	16.2	0.0
100	PSK-BPSK	211	156	-17.75	-17.75	-17.75	16.2	0.0
100	PSK-BPSK	212	156	-17.75	-17.75	-17.75	16.2	0.0
100	QPSK	1	0	-17.75	-17.75	-17.75	16.2	0.0
100	QPSK	1	1	-17.75	-17.75	-17.75	16.2	0.0
100	QPSK	1	211	-17.75	-17.75	-17.75	16.2	0.0
100	QPSK	1	212	-17.75	-17.75	-17.75	16.2	0.0
100	QPSK	156	0	-17.75	-17.75	-17.75	16.2	0.0
100	QPSK	156	1	-17.75	-17.75	-17.75	16.2	0.0
100	QPSK	211	156	-17.75	-17.75	-17.75	16.2	0.0
100	QPSK	212	156	-17.75	-17.75	-17.75	16.2	0.0
100	16QAM	1	0	-17.75	-17.75	-17.75	16.2	0.0
100	16QAM	1	1	-17.75	-17.75	-17.75	16.2	0.0
100	16QAM	1	211	-17.75	-17.75	-17.75	16.2	0.0
100	16QAM	1	212	-17.75	-17.75	-17.75	16.2	0.0
100	256QAM	1	0	-17.75	-17.75	-17.75	16.2	0.0
Frequency [MHz]								
50	Channel	1	0	-83.000	-83.000	-83.000	16.2	0.0
50	Channel	1	1	-17.56	-17.56	-17.56	16.2	0.0
50	Channel	1	211	-83.000	-83.000	-83.000	16.2	0.0
50	Channel	1	212	-83.000	-83.000	-83.000	16.2	0.0
50	QPSK	1	0	-83.000	-83.000	-83.000	16.2	0.0
50	QPSK	1	1	-17.56	-17.56	-17.56	16.2	0.0
50	QPSK	1	211	-83.000	-83.000	-83.000	16.2	0.0
50	QPSK	1	212	-83.000	-83.000	-83.000	16.2	0.0
50	QPSK	156	0	-17.56	-17.56	-17.56	16.2	0.0
50	QPSK	156	1	-17.56	-17.56	-17.56	16.2	0.0
50	QPSK	211	156	-17.56	-17.56	-17.56	16.2	0.0
50	QPSK	212	156	-17.56	-17.56	-17.56	16.2	0.0
50	Frequency [MHz]	1	0	-83.000	-83.000	-83.000	16.2	0.0
50	Frequency [MHz]	1	1	-17.56	-17.56	-17.56	16.2	0.0
50	Frequency [MHz]	1	211	-83.000	-83.000	-83.000	16.2	0.0
50	Frequency [MHz]	1	212	-83.000	-83.000	-83.000	16.2	0.0
50	Frequency [MHz]	156	0	-17.56	-17.56	-17.56	16.2	0.0
50	Frequency [MHz]	156	1	-17.56	-17.56	-17.56	16.2	0.0
50	Frequency [MHz]	211	156	-17.56	-17.56	-17.56	16.2	0.0
50	Frequency [MHz]	212	156	-17.56	-17.56	-17.56	16.2	0.0
50	Channel	1	0	-83.000	-83.000	-83.000	16.2	0.0
50	Channel	1	1	-17.56	-17.56	-17.56	16.2	0.0
50	Channel	1	211	-83.000	-83.000	-83.000	16.2	0.0
50	Channel	1	212	-83.000	-83.000	-83.000	16.2	0.0
50	QPSK	1	0	-17.56	-17.56	-17.56	16.2	0.0
50	QPSK	1	1	-17.56	-17.56	-17.56	16.2	0.0
50	QPSK	1	211	-17.56	-17.56	-17.56	16.2	0.0
50	QPSK	1	212	-17.56	-17.56	-17.56	16.2	0.0
50	QPSK	156	0	-17.56	-17.56	-17.56	16.2	0.0
50	QPSK	156	1	-17.56	-17.56	-17.56	16.2	0.0
50	QPSK	211	156	-17.56	-17.56	-17.56	16.2	0.0
50	QPSK	212	156	-17.56	-17.56	-17.56	16.2	0.0
50	Frequency [MHz]	1	0	-83.000	-83.000	-83.000	16.2	0.0
50	Frequency [MHz]	1	1	-17.56	-17.56	-17.56	16.2	0.0
50	Frequency [MHz]	1	211	-83.000	-83.000	-83.000	16.2	0.0
50	Frequency [MHz]	1	212	-83.000	-83.000	-83.000	16.2	0.0
50	Frequency [MHz]	156	0	-17.56	-17.56	-17.56	16.2	0.0
50	Frequency [MHz]	156	1	-17.56	-17.56	-17.56	16.2	0.0
50	Frequency [MHz]	211	156	-17.56	-17.56	-17.56	16.2	0.0
50	Frequency [MHz]	212	156	-17.56	-17.56	-17.56	16.2	0.0

RF MHz	Modulation	HS rate	HS Offset	Power-Lv	Power-Lv	Power-Lv	Power-Lv	Time-to-go (sec)	SNR (dB)
				dBm	dBm	dBm	dBm		
				Ch. 1	Ch. 2	Ch. 3	Ch. 4		
100	PSK 8PSK	1	1	-20.04	-20.04	-20.04	-20.04	21.2	0.0
100	PSK 8PSK	1	1	-18.03	-18.03	-18.03	-18.03	21.2	0.0
100	PSK 8PSK	1	221	-20.05	-20.05	-20.05	-20.05	21.2	0.0
100	PSK 8PSK	1	221	-18.05	-18.05	-18.05	-18.05	21.2	0.0
100	PSK 8PSK	156	88	-18.88	-18.88	-18.88	-18.88	21.2	0.0
100	PSK 8PSK	156	88	-16.87	-16.87	-16.87	-16.87	21.2	0.0
100	PSK 8PSK	221	126	-18.73	-18.73	-18.73	-18.73	21.2	0.0
100	QPSK	1	1	-20.04	-20.04	-20.04	-20.04	21.2	0.0
100	QPSK	1	1	-18.03	-18.03	-18.03	-18.03	21.2	0.0
100	QPSK	1	221	-20.04	-20.04	-20.04	-20.04	21.2	0.0
100	QPSK	1	221	-18.03	-18.03	-18.03	-18.03	21.2	0.0
100	QPSK	156	88	-18.88	-18.88	-18.88	-18.88	21.2	0.0
100	QPSK	156	88	-16.87	-16.87	-16.87	-16.87	21.2	0.0
100	QPSK	221	126	-18.73	-18.73	-18.73	-18.73	21.2	0.0
100	16QAM	1	1	-20.04	-20.04	-20.04	-20.04	21.2	0.0
100	16QAM	1	1	-18.03	-18.03	-18.03	-18.03	21.2	0.0
100	16QAM	1	221	-20.04	-20.04	-20.04	-20.04	21.2	0.0
100	16QAM	1	221	-18.03	-18.03	-18.03	-18.03	21.2	0.0
100	16QAM	156	88	-18.88	-18.88	-18.88	-18.88	21.2	0.0
100	16QAM	156	88	-16.87	-16.87	-16.87	-16.87	21.2	0.0
100	16QAM	221	126	-18.73	-18.73	-18.73	-18.73	21.2	0.0
100	256QAM	1	1	-20.04	-20.04	-20.04	-20.04	21.2	0.0
100	256QAM	1	1	-18.03	-18.03	-18.03	-18.03	21.2	0.0
100	256QAM	1	221	-20.04	-20.04	-20.04	-20.04	21.2	0.0
100	256QAM	1	221	-18.03	-18.03	-18.03	-18.03	21.2	0.0
100	256QAM	156	88	-18.88	-18.88	-18.88	-18.88	21.2	0.0
100	256QAM	156	88	-16.87	-16.87	-16.87	-16.87	21.2	0.0
100	256QAM	221	126	-18.73	-18.73	-18.73	-18.73	21.2	0.0
100	256QAM	221	126	-16.72	-16.72	-16.72	-16.72	21.2	0.0
100	256QAM	221	126	-14.71	-14.71	-14.71	-14.71	21.2	0.0
100	256QAM	221	126	-12.70	-12.70	-12.70	-12.70	21.2	0.0
100	256QAM	221	126	-10.69	-10.69	-10.69	-10.69	21.2	0.0
100	256QAM	221	126	-8.68	-8.68	-8.68	-8.68	21.2	0.0
100	256QAM	221	126	-6.67	-6.67	-6.67	-6.67	21.2	0.0
100	256QAM	221	126	-4.66	-4.66	-4.66	-4.66	21.2	0.0
100	256QAM	221	126	-2.65	-2.65	-2.65	-2.65	21.2	0.0
100	256QAM	221	126	-0.64	-0.64	-0.64	-0.64	21.2	0.0
100	256QAM	221	126	1.37	1.37	1.37	1.37	21.2	0.0
100	256QAM	221	126	3.38	3.38	3.38	3.38	21.2	0.0
100	256QAM	221	126	5.39	5.39	5.39	5.39	21.2	0.0
100	256QAM	221	126	7.40	7.40	7.40	7.40	21.2	0.0

Part270 n78 Ant6_PC3 DSI3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Max Ch./Freq. 800000	Power Minus Ch./Freq. 800000	Power High Ch./Freq. 800000	Time-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)				3750	3750	3750			
100	PL2-BPSK	1	1	18.81					
100	PL2-BPSK	1	137	18.84					
100	PL2-BPSK	1	271	18.88			18.2	0.0	
100	PL2-BPSK	155	0	18.78			18.2	0.0	
100	PL2-BPSK	155	89	18.75			18.2	0.0	
100	PL2-BPSK	155	158	18.76			18.2	0.0	
100	PL2-BPSK	270	0	18.73			18.2	0.0	
100	QPSK	1	1	17.90					
100	QPSK	1	137	18.02			18.2	0.0	
100	QPSK	1	271	18.80					
100	QPSK	155	0	18.88			18.2	0.0	
100	QPSK	155	89	18.97			18.2	0.0	
100	QPSK	155	158	18.78			18.2	0.0	
100	QPSK	270	0	18.74			18.2	0.0	
100	16QAM	1	1	17.00			18.2	0.0	
100	64QAM	1	1	18.01			18.2	0.0	
100	256QAM	1	1	18.76			18.2	0.0	
Channel									
Frequency (MHz)				94500	94500	94500	Time-up time	MFR	
30	QPSK	1	1	18.82	18.82	18.81	18.2	0.0	
Channel									
Frequency (MHz)				94634	94500	94668			
80	QPSK	1	1	18.82	18.86	18.81	18.2	0.0	
Channel									
Frequency (MHz)				94690	94600	94700			
70	QPSK	1	1	18.81	18.92	18.80	18.2	0.0	
Channel									
Frequency (MHz)				94700	94600	94700			
60	QPSK	1	1	18.76	18.90	18.80	18.2	0.0	
Channel									
Frequency (MHz)				94720	94700	94720			
30	QPSK	1	1	18.80	18.97	18.80	18.2	0.0	
Channel									
Frequency (MHz)				94800	94800	94800			
40	QPSK	1	1	18.78	18.98	18.80	18.2	0.0	
Channel									
Frequency (MHz)				94780	94800	94760			
30	QPSK	1	1	18.80	18.92	18.81	18.2	0.0	
Channel									
Frequency (MHz)				94780	94800	94780	Time-up time	MFR	
20	QPSK	1	1	18.97	18.91	18.79	18.2	0.0	

Part27Q n78_Ant_8_PC3 DSI3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Minus Ch./Freq. 803334	Power Minus Ch./Freq. 803334	Power High Ch./Freq. 803334	Time-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
100	PL2-BPSK	1	1	17.67					
100	PL2-BPSK	1	137	17.65			18.2	0.0	
100	PL2-BPSK	1	271	17.11					
100	PL2-BPSK	155	0	18.87			18.2	0.0	
100	PL2-BPSK	155	89	18.94			18.2	0.0	
100	PL2-BPSK	155	158	18.95			18.2	0.0	
100	PL2-BPSK	270	0	18.96			18.2	0.0	
100	QPSK	1	1	17.24					
100	QPSK	1	137	17.05			18.2	0.0	
100	QPSK	1	271	17.18					
100	QPSK	155	0	17.10			18.2	0.0	
100	QPSK	155	89	17.20			18.2	0.0	
100	QPSK	155	158	17.00			18.2	0.0	
100	QPSK	270	0	17.08			18.2	0.0	
100	16QAM	1	1	17.08			18.2	0.0	
100	64QAM	1	1	17.15			18.2	0.0	
100	256QAM	1	1	18.97			18.2	0.0	
Channel									
Frequency (MHz)				83300	83334	83366			MFR
30	QPSK	1	1	18.05	18.01	18.02	18.2	0.0	
Channel									
Frequency (MHz)				83366	83334	83400			MFR
80	QPSK	1	1	18.07	18.01	18.01	18.2	0.0	
Channel									
Frequency (MHz)				83374	83366	83382			MFR
70	QPSK	1	1	17.14	17.11	17.11	18.2	0.0	
Channel									
Frequency (MHz)				83400	83334	83466			MFR
60	QPSK	1	1	17.02	17.07	17.11	18.2	0.0	
Channel									
Frequency (MHz)				83410	83334	83450			MFR
30	QPSK	1	1	17.07	17.07	17.11	18.2	0.0	
Channel									
Frequency (MHz)				83434	83334	83534			MFR
40	QPSK	1	1	17.11	17.20	18.00	18.2	0.0	
Channel									
Frequency (MHz)				83400	83334	83500			MFR
30	QPSK	1	1	17.19	17.09	17.09	18.2	0.0	
Channel									
Frequency (MHz)				83400	83334	83400			MFR
20	QPSK	1	1	17.14	17.09	18.00	18.2	0.0	

Ant 5+6 Full Power&Head (Standalone)						Ant 5+6 Head&Body-worn (Simultaneous For DBS Only)		Ant 5+6 Head&Body-worn (Simultaneous For WWAN+DBS)		Ant 5+6 Handheld (Simultaneous For DBS Only)		Ant 5+6 Headheld (Simultaneous For WWAN + DBS)										
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %								
5.5GHz WLAN	802.11a 6Mbps	100	5500	21.04	22.50									100.00								
		116	5580	21.06	22.50																	
		124	5620	21.07	22.50																	
		132	5660	21.03	22.50																	
		140	5700	20.89	22.50																	
		144	5720	20.91	22.50																	
	802.11n-HT20 MCS0	100	5500	20.93	22.50					Nont Required				100.00								
		116	5580	21.06	22.50																	
		124	5620	20.88	22.50																	
		132	5660	20.90	22.50																	
		140	5700	20.73	22.00																	
		144	5720	20.80	22.50																	
	802.11n-HT40 MCS0	102	5510	20.08	21.50	Nont Required		Nont Required		20.08	21.50	Nont Required		100.00								
		110	5550	20.20	21.50					20.20	21.50											
		126	5630	19.91	21.50					19.91	21.50											
		134	5670	19.97	21.50					19.97	21.50											
		142	5710	19.92	21.50					19.92	21.50											
		100	5500	20.89	22.50																	
	802.11ac- VHT20 MCS0	116	5580	21.01	22.50									100.00								
		124	5620	20.84	22.50																	
		132	5660	20.85	22.50																	
		140	5700	20.64	22.00																	
		144	5720	20.75	22.00																	
		102	5510	19.98	21.50																	
	802.11ac- VHT40 MCS0	110	5550	20.12	21.50									100.00								
		126	5630	19.82	21.50																	
		134	5670	19.88	21.50																	
		142	5710	19.84	21.50																	
		106	5530	18.98	20.50										18.98	20.50	14.80	16.00		16.31	17.50	100.00
		122	5610	18.90	20.50										18.90	20.50	14.71	16.00		16.23	17.50	
	138	5690	18.73	20.00	18.73	20.00	14.66	16.00		16.08	17.50											
	802.11ac- VHT160 MCS0	114	5570	18.40	20.00					Nont Required				100.00								
	100	5500	20.97	22.50																		
	116	5580	21.10	22.50																		
	124	5620	20.91	22.50																		
	132	5660	20.96	22.50																		
	140	5700	20.80	22.50																		
	802.11ax-HE20 MCS0	144	5720	20.87	22.50									100.00								
		102	5510	20.10	21.50																	
		110	5550	20.22	21.50																	
		126	5630	19.95	21.50																	
		134	5670	20.01	21.50																	
		142	5710	19.95	21.50																	
	802.11ax-HE40 MCS0	106	5530	19.01	20.50									100.00								
		122	5610	18.92	20.50																	
		138	5690	18.76	20.00																	
		114	5570	18.44	20.00																	

Note: The 5GHz WLAN can transmit in MIMO antenna mode only and it has no SISO antenna mode.

Ant 5+6 Full Power						Ant 5+6 Head standalone		Ant 5+6 Head (Simultaneous For DBS Only)		Ant 5+6 Head (Simultaneous For WWAN + DBS)		Ant 5+6 Body-worn (Simultaneous For DBS Only)		Ant 5+6 Body-worn (Simultaneous For WWAN + DBS)		Ant 5+6 Hotspot standalone		Ant 5+6 Hotspot (Simultaneous For WWAN + DBS)			
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.8GHz WLAN	802.11a 6Mbps	149	5745	20.93	22.50	20.50	22.00													100.00	
		157	5785	21.06	22.50	20.58	22.00														
		165	5825	21.31	22.50	20.86	22.00														
	802.11n-HT20 MCS0	149	5745	20.79	22.50															100.00	
		157	5785	20.93	22.50																
		165	5825	21.23	22.50																
	802.11n-HT40 MCS0	151	5755	19.96	21.50			Not Required		Not Required				Not Required		Not Required		Not Required		100.00	
		159	5795	20.05	21.50																
		149	5745	20.71	22.00																
	802.11ac-VHT20 MCS0	157	5785	20.86	22.50															100.00	
		165	5825	21.11	22.50																
	802.11ac-VHT40 MCS0	151	5755	19.86	21.50								19.86	21.50						100.00	
		159	5795	19.90	21.50								19.90	21.50							
	802.11ac-VHT80 MCS0	155	5775	18.85	20.50			18.31	19.50	14.20	15.50				15.96	17.00	18.85	20.50	12.77	14.00	100.00
	802.11ax-HE20 MCS0	149	5745	20.81	22.50																100.00
		157	5785	20.99	22.50																
		165	5825	21.28	22.50																
	802.11ax-HE40 MCS0	151	5755	20.00	21.50					Not Required		Not Required				Not Required		Not Required		Not Required	100.00
		159	5795	20.10	21.50																
	802.11ax-HE80 MCS0	155	5775	18.89	20.50																100.00

Note: The 5GHz WLAN can transmit in MIMO antenna mode only and it has no SISO antenna mode.

BT BR/EDR Ant 4

Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-up Limit
			1Mbps	2Mbps	3Mbps	
BR / EDR	CH 00	2402	13.53	10.52	10.58	14
	CH 39	2441	12.12	9.59	9.34	13.5
	CH 78	2480	10.49	7.63	7.58	11.5

BLE_1M Ant 4

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	10.05
	CH 19	2440	8.73
	CH 39	2480	7.37
Tune-up Limit			11

BLE_2M Ant 4

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	10.06
	CH 19	2440	8.96
	CH 39	2480	7.62
Tune-up Limit			11.00

BT BR/EDR Ant 6

Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-up Limit
			1Mbps	2Mbps	3Mbps	
BR / EDR	CH 00	2402	14.18	11.58	11.56	15
	CH 39	2441	15.04	12.48	12.44	16
	CH 78	2480	15.32	12.57	12.63	16.5

BLE_1M Ant 6

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	8.29
	CH 19	2440	8.57
	CH 39	2480	7.58
Tune-up Limit			9.5

BLE_2M Ant 6

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	8.32
	CH 19	2440	8.86
	CH 39	2480	7.80
Tune-up Limit			9.50



Appendix F. Supplemental Tuner Head & Body SAR Results

The results are shown as follows.



Head (Antenna #0, Slave ID=6)

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																
									Auto-Tune	0	11	22	33	44	55	66	77	88	99	110	121	132	143	154	165
WCDMA B2	RMC 12.2Kbps	9400	1880			Left Cheek	0mm	0.049	0.064	0.006	0.025	0.031	0.032	0.028	0.029	0.020	0.016	0.025	0.032	0.031	0.023	0.032	0.029	0.025	0.015

Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)															
WCDMA B5	RMC 12.2Kbps	4182	836.4			Right Cheek	0mm	0.189	Auto-Tune	1	12	23	34	45	56	67	78	89	100	111	122	133	144	155
									0.219	0.005	0.002	0.001	0.120	0.050	0.110	0.005	0.001	0.029	0.090	0.080	0.074	0.130	0.110	0.084

Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)															
LTE B2	QPSK	18900	1880	1	0	Left Cheek	0mm	0.048	Auto-Tune	2	13	24	35	46	57	68	79	90	101	112	123	134	145	156
									0.065	0.015	0.014	0.013	0.007	0.034	0.025	0.031	0.023	0.031	0.030	0.031	0.026	0.030	0.027	0.049

Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)															
LTE B5	QPSK	20525		1	0	Right Cheek	0mm	0.168	Auto-Tune	3	14	25	36	47	58	69	80	91	102	113	124	135	146	157
									0.199	0.015	0.010	0.005	0.000	0.005	0.009	0.036	0.013	0.061	0.121	0.124	0.013	0.012	0.055	0.002

Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)															
LTE B7	QPSK	21100	2535	1	0	Right Cheek	0mm	0.096	Auto-Tune	4	15	26	37	48	59	70	81	92	103	114	125	136	147	158
									0.14	0.051	0.054	0.051	0.055	0.084	0.067	0.051	0.039	0.041	0.043	0.081	0.069	0.071	0.056	0.063

Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)															
LTE B12	QPSK	23095	707.5	1	0	Right Cheek	0mm	0.157	Auto-Tune	5	16	27	38	49	60	71	82	93	104	115	126	137	148	159
									0.179	0.102	0.061	0.039	0.022	0.003	0.030	0.105	0.049	0.025	0.088	0.100	0.096	0.056	0.032	0.010

Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)															
LTE B13	QPSK	23230	782	1	0	Right Cheek	0mm	0.141	Auto-Tune	6	17	28	39	50	61	72	83	94	105	116	127	138	149	160
									0.153	0.045	0.051	0.028	0.012	0.110	0.088	0.061	0.024	0.113	0.001	0.011	0.034	0.021	0.004	0.022

Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
									Auto-Tune	7	18	29	40	51	62	73	84	95	106	117	128	139	150	161				
LTE B66 (4)	QPSK	132322	1745	1	0	Left Cheek	0mm	0.08	0.084	0.021	0.031	0.027	0.020	0.037	0.029	0.024	0.013	0.030	0.061	0.019	0.039	0.031	0.024	0.010				

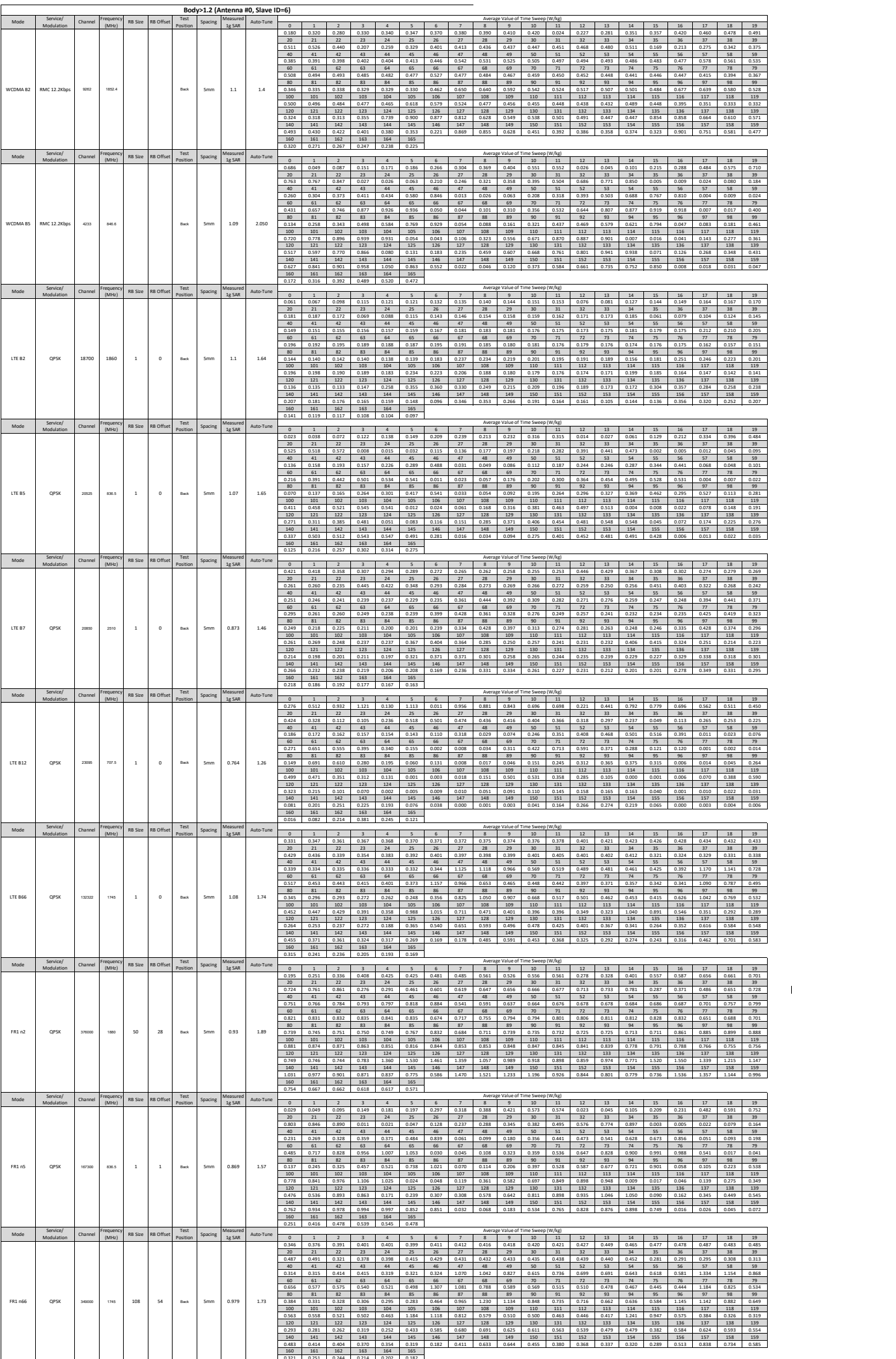
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)															
FR1 n2	QPSK	376000	1880	1	1	Left Cheek	0mm	0.03	Auto-Tune	8	19	30	41	52	63	74	85	96	107	118	129	140	151	162
									0.034	0.012	0.019	0.017	0.026	0.014	0.019	0.032	0.016	0.018	0.027	0.014	0.02	0.021	0.017	0.011

Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)															
FR1 n5	QPSK	167300	836.5	50	28	Right Cheek	0mm	0.118	Auto-Tune	9	20	31	42	53	64	75	86	97	108	119	130	141	152	163
									0.121	0.054	0.111	0.063	0.041	0.075	0.113	0.102	0.089	0.017	0.052	0.046	0.112	0.102	0.118	0.068

Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)															
FR1 n66	QPSK	349000	1745	108	54	Left Cheek	0mm	0.044	Auto-Tune	10	21	32	43	54	65	76	87	98	109	120	131	142	153	164
									0.069	0.016	0.019	0.027	0.011	0.019	0.034	0.012	0.033	0.027	0.014	0.006	0.015	0.011	0.008	0.003



Head (Antenna #0, Slave ID=6)																									
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																
									Auto-Tune	0	11	22	33	44	55	66	77	88	99	110	121	132	143	154	165
WCDMA B2	RMC 12.2Kbps	9262	1852.4			Back	5mm	1.1	1.400	0.180	0.430	0.440	0.480	0.400	0.490	0.527	0.415	0.640	0.528	0.460	0.324	0.491	0.401	0.374	0.225
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																
WCDMA B5	RMC 12.2Kbps	4233	846.6			Back	5mm	1.09	2.05	0.049	0.026	0.027	0.850	0.580	0.810	0.044	0.017	0.170	0.720	0.870	0.770	0.990	1.050	0.850	
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																
LTE B2	QPSK	18700	1860	1	0	Back	5mm	1.1	1.64	0.098	0.081	0.088	0.061	0.167	0.212	0.185	0.151	0.201	0.198	0.174	0.147	0.172	0.148	0.356	
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																
LTE B5	QPSK	20525	836.5	1	0	Back	5mm	1.07	1.65	0.122	0.061	0.032	0.005	0.031	0.048	0.176	0.070	0.264	0.521	0.513	0.051	0.045	0.281	0.013	
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																
LTE B7	QPSK	20850	2510	1	0	Back	5mm	0.873	1.46	0.294	0.308	0.293	0.322	0.444	0.371	0.276	0.218	0.281	0.237	0.406	0.321	0.329	0.236	0.331	
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																
LTE B12	QPSK	23095	707.5	1	0	Back	5mm	0.764	1.26	0.057	0.696	0.474	0.253	0.074	0.271	0.713	0.610	0.365	0.131	0.001	0.009	0.010	0.001	0.006	
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																
LTE B13	QPSK	23230	782	1	0	Back	5mm	0.678	1.1	0.505	0.586	0.351	0.166	1.030	0.953	0.725	0.341	1.080	0.041	0.127	0.154	0.287	0.087	0.163	
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																
LTE B66 (4)	QPSK	132322	1745	1	0	Back	5mm	1.08	1.74	0.372	0.432	0.399	0.339	0.519	0.443	0.371	0.262	0.415	1.015	0.351	0.593	0.548	0.453	0.241	
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																
FR1 r2	QPSK	376000	1880	50	28	Back	5mm	0.93	1.89	0.561	0.701	0.666	0.766	0.678	0.835	0.812	0.767	0.861	0.853	0.755	0.989	1.031	0.926	0.662	
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																
FR1 r5	QPSK	167300	836.5	1	1	Back	5mm	0.869	1.57	0.421	0.803	0.495	0.328	0.541	1.007	0.991	1.021	0.105	0.361	0.349	0.811	0.934	0.828	0.539	
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																
FR1 r66	QPSK	349000	1745	108	54	Back	5mm	0.979	1.73	0.420	0.491	0.439	0.415	0.643	0.498	0.444	0.965	0.882	0.510	0.293	0.563	0.404	0.337	0.202	





Head (Antenna #1, Slave ID=6)

Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
									Auto-Tune	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
WCDMA B5	RMC 12.2Kbps	4233	846.6			Left Cheek	0mm	1.06	2.12	0.029	0.341	0.223	0.058	0.354	0.281	0.875	0.682	0.433	0.126	0.190	0.041	0.784	0.553	0.364	0.991	0.924	0.746	0.263
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
									Auto-Tune	1	11	21	31	41	51	61	71	81	91	101	111	121	131	141	151	161	171	181
LTE B2	QPSK	18700	1860	1	0	Left Titled	0mm	0.974	1.8	0.143	0.368	0.413	0.350	0.574	0.664	0.619	0.741	0.691	0.568	0.283	0.248	0.626	0.628	0.728	0.673	0.754	0.684	0.566
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
									Auto-Tune	2	12	22	32	42	52	62	72	82	92	102	112	122	132	142	152	162	172	182
LTE B5	QPSK	20525	836.5	1	0	Left Cheek	0mm	0.994	1.71	0.047	0.312	0.262	0.064	0.363	0.468	0.710	0.607	0.421	0.270	0.187	0.111	0.014	0.591	0.391	0.735	0.569	0.448	0.385
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
									Auto-Tune	3	13	23	33	43	53	63	73	83	93	103	113	123	133	143	153	163	173	183
LTE B7	QPSK	21350	2560	1	0	Left Titled	0mm	0.956	1.86	1.080	0.901	1.057	1.057	0.931	0.465	0.924	0.801	0.494	0.403	0.816	0.797	0.808	0.787	0.291	0.598	0.500	0.433	0.377
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
									Auto-Tune	4	14	24	34	44	54	64	74	84	94	104	114	124	134	144	154	164	174	184
LTE B12	QPSK	23095	707.5	1	0	Left Cheek	0mm	0.952	1.85	1.016	0.222	0.230	0.252	0.036	0.003	0.001	0.126	0.247	0.171	0.371	0.442	0.063	0.009	0.006	0.075	0.029	0.021	0.203
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
									Auto-Tune	5	15	25	35	45	55	65	75	85	95	105	115	125	135	145	155	165	175	185
LTE B13	QPSK	23230	782	1	0	Left Cheek	0mm	0.988	1.55	0.234	0.101	0.542	0.174	0.018	0.082	0.053	0.377	0.353	0.190	0.759	0.582	0.353	0.139	0.035	0.008	0.068	0.120	0.199
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
									Auto-Tune	6	16	26	36	46	56	66	76	86	96	106	116	126	136	146	156	166	176	186
LTE B86	QPSK	132572	1770	1	0	Left Titled	0mm	1.01	1.9	0.191	0.204	0.389	0.311	0.191	0.669	0.678	0.361	0.318	0.206	0.267	0.333	0.329	0.262	0.277	0.761	0.743	0.802	0.173
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
									Auto-Tune	7	17	27	37	47	57	67	77	87	97	107	117	127	137	147	157	167	177	
FR1 n2	QPSK	372000	1860	1	1	Left Titled	0mm	0.886	1.61	0.538	0.614	1.157	0.822	0.713	1.127	1.219	1.040	1.081	0.258	0.754	0.975	0.909	0.882	1.319	1.498	1.373	1.041	
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
									Auto-Tune	8	18	28	38	48	58	68	78	88	98	108	118	128	138	148	158	168	178	
FR1 n5	QPSK	167300	836.5	1	1	Left Cheek	0mm	0.967	1.75	0.264	0.238	0.022	0.321	0.191	1.234	1.033	0.198	0.045	0.127	0.801	0.828	0.513	0.312	1.088	0.583	0.359	0.174	
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
									Auto-Tune	9	19	29	39	49	59	69	79	89	99	109	119	129	139	149	159	169	179	
FR1 n66	QPSK	349000	1745	108	54	Left Titled	0mm	0.955	1.73	0.673	0.686	0.374	0.689	0.506	0.974	0.897	0.929	1.044	0.634	0.821	0.850	0.711	0.510	0.959	0.797	0.652	0.630	

Body-1.2 (Antenna #1, Slave ID=6)																											
Mode	Service/Modulation	Channel	Frequency (g-MHz)	RB Size	RB Offset	Test Position	Spacing	Measure (2 g SSB)	Average Value of Time Sweep (W/g)																		
WCMA B5	IMT-12 BPSK	4233	846.6	Left Chn	Omni	1.06	2.12	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
								0.029	0.049	0.071	0.096	0.120	0.144	0.166	0.188	0.206	0.227	0.241	0.249	0.461	0.055	0.044	0.099	0.120	0.157	0.190	
								20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
								0.013	0.048	0.108	0.476	0.610	0.958	0.738	0.413	0.348	0.488	0.488	0.488	0.488	0.488	0.488	0.488	0.488	0.488	0.488	0.488
								40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59
								0.054	0.088	0.166	0.236	0.303	0.368	0.428	0.488	0.548	0.608	0.668	0.728	0.788	0.848	0.908	0.968	1.028	1.088	1.148	
								80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99
								0.875	0.935	0.958	0.982	1.021	1.071	1.088	0.958	0.688	0.432	0.682	0.711	0.818	0.850	0.812	0.812	0.812	0.812	0.812	
								120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139
								0.433	0.481	0.509	0.613	0.641	0.648	0.650	0.654	0.657	0.655	0.628	0.367	0.364	0.367	0.400	0.400	0.400	0.400	0.400	
								160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179
								0.190	0.224	0.254	0.308	0.308	0.421	0.474	0.563	0.630	0.805	0.804	0.071	0.149	0.151	0.232	0.274	0.345	0.510	0.597	0.719
								200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219
								0.144	0.168	0.202	0.238	0.267	0.317	0.376	0.427	0.487	0.548	0.609	0.670	0.731	0.792	0.853	0.914	0.975	1.036	1.097	1.158
								240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259
								0.054	0.054	0.111	0.112	0.116	0.116	0.116	0.116	0.116	0.116	0.116	0.116	0.116	0.116	0.116	0.116	0.116	0.116	0.116	0.116
								280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299
0.164	0.187	0.185	0.173	0.149	0.104	0.049	0.207	0.279	0.667	0.746	0.729	0.676	0.645	0.495	0.496	0.019	0.046	0.116	0.199								
320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339								
0.263	0.480	0.486	0.479	0.443	0.415	0.392																					
LTE B2	QPSK	1870	180	Left Test	Omni	0.974	1.8	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
								0.064	0.043	0.176	0.207	0.228	0.248	0.268	0.281	0.295	0.313	0.339	0.368	0.398	0.427	0.453	0.220	0.362	0.514	0.560	0.589
								20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
								0.413	0.413	0.481	0.485	0.528	0.549	0.594	0.740	0.154	0.217	0.314	0.350	0.382	0.412	0.438	0.447	0.464	0.484	0.492	0.521
								40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59
								0.532	0.574	0.601	0.658	0.146	0.211	0.323	0.472	0.612	0.740	0.864	0.964	1.052	1.124	1.180	1.224	1.260	1.292	1.319	
								80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99
								0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	
								120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139
								0.583	0.583	0.584	0.517	0.523	0.588	0.714	0.462	0.434	0.445	0.445	0.445	0.445	0.445	0.445	0.445	0.445	0.445	0.445	0.445
								160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179
								0.185	0.626	0.185	0.253	0.356	0.454	0.482	0.519	0.554	0.582	0.606	0.628	0.675	0.715	0.742	0.764	0.784	0.804	0.814	0.831
								200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219
								0.661	0.738	0.701	0.561	0.895	0.863	0.811	0.749	0.729	0.704	0.696	0.671	0.664	0.641	0.618	0.598	0.518	0.391	0.169	0.079
								240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259
								0.164	0.164	0.173	0.174	0.200	0.246	0.272	0.314	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334
								280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299
0.077	0.077	0.077	0.077	0.077	0.077	0.077	0.077	0.077	0.077	0.077	0.077	0.077	0.077	0.077	0.077	0.077	0.077	0.077									
LTE B5	QPSK	2020	800.3	Left Chn	Omni	0.994	1.71	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
								0.016	0.016	0.047	0.063	0.079	0.096	0.112	0.128	0.138	0.201	0.211	0.218	0.284	0.312	0.408	0.514	0.628	0.668	0.668	0.668
								20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
								0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.117
								40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59
								0.695	0.712	0.710	0.675	0.102	0.188	0.279	0.367	0.456	0.539	0.569	0.579	0.607	0.639	0.678	0.716	0.754	0.792	0.830	0.868
								80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99
								0.179	0.486	0.441	0.454	0.433	0.436	0.421	0.362	0.020	0.447	0.117	0.243	0.270	0.271	0.260	0.251	0.211	0.036	0.062	0.114
								120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139
								0.139	0.053	0.187	0.308	0.233	0.303	0.338	0.399	0.431	0.572	0.613	0.655	0.711	0.740	0.776	0.816	0.854	0.892	0.930	0.968
								160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179
								0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016
								200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219
								0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016
								240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259
								0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016
								280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299
0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016								
LTE B7	QPSK	2130	200	Left Test	Omni	0.954	1.86	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
								0.046	0.116	0.144	0.168	0.189	0.211	0.231	0.251	0.271	0.291	0.311	0.331	0.351	0.371	0.391	0.411	0.431	0.451	0.471	0.491
								20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
								0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061
								40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59
								0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	
								80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99
								0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	
								120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139
								0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	
								160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179
								0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061											



Head (Antenna #1, Slave ID=6)

Mode	Service/Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
									Auto-Tune	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
WCDMA B5	RMC 12.2Kbps	4233	846.6			Back	5mm	0.737	1.13	0.053	0.047	0.028	0.776	0.823	0.764	0.514	0.176	0.201	0.260	0.422	0.080	0.730	0.431	0.332	0.121	0.001	0.776	0.811

Mode	Service/Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
									Auto-Tune	1	11	21	31	41	51	61	71	81	91	101	111	121	131	141	151	161	171	181
LTE B2	QPSK	18700	1860	1	0	Back	5mm	0.978	1.38	0.048	0.125	0.143	0.028	0.053	0.258	0.247	0.291	0.262	0.218	0.109	0.091	0.239	0.239	0.273	0.261	0.289	0.261	0.213

Mode	Service/Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
									Auto-Tune	2	12	22	32	42	52	62	72	82	92	102	112	122	132	142	152	162	172	182
LTE B5	QPSK	20525	836.5	1	0	Back	5mm	0.652	1.11	0.043	0.259	0.216	0.059	0.281	0.331	0.593	0.518	0.411	0.248	0.174	0.108	0.018	0.434	0.265	0.578	0.421	0.341	0.351

Mode	Service/Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
									Auto-Tune	3	13	23	33	43	53	63	73	83	93	103	113	123	133	143	153	163	173	183
LTE B7	QPSK	21350	2960	1	0	Back	5mm	1.05	1.68	1.243	1.154	1.370	1.328	1.140	0.512	1.140	1.010	0.891	0.731	1.540	1.470	1.408	1.210	0.474	1.144	0.903	0.827	0.719

Mode	Service/Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
									Auto-Tune	4	14	24	34	44	54	64	74	84	94	104	114	124	134	144	154	164	174	184
LTE B12	QPSK	23095	707.5	1	0	Back	5mm	0.338	0.51	0.773	0.649	0.149	0.193	0.022	0.008	0.001	0.080	0.006	0.009	0.161	0.301	0.042	0.022	0.001	0.032	0.022	0.111	0.151

Mode	Service/Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
									Auto-Tune	5	15	25	35	45	55	65	75	85	95	105	115	125	135	145	155	165	175	185
LTE B13	QPSK	23230	782	1	0	Back	5mm	0.43	0.667	0.261	0.234	0.288	0.161	0.021	0.075	0.067	0.298	0.292	0.154	0.595	0.614	0.441	0.151	0.035	0.005	0.051	0.061	0.163

Mode	Service/Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
									Auto-Tune	6	16	26	36	46	56	66	76	86	96	106	116	126	136	146	156	166	176	186
LTE B66	QPSK	132322	1770	1	1	Back	5mm	1.09	2.11	0.226	0.281	0.323	0.323	0.243	0.562	0.618	0.901	0.266	0.194	0.298	0.383	0.341	0.234	0.567	0.641	0.695	0.701	0.802

Mode	Service/Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
									Auto-Tune	7	17	27	37	47	57	67	77	87	97	107	117	127	137	147	157	167	177	
FR1 n2	QPSK	372000	1860	1	1	Back	5mm	0.95	1.5	0.327	0.393	0.751	0.541	0.464	0.742	0.805	0.707	0.685	0.173	0.498	0.634	0.585	0.548	0.860	0.988	0.923	0.693	

Mode	Service/Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
									Auto-Tune	8	18	28	38	48	58	68	78	88	98	108	118	128	138	148	158	168	178	
FR1 n5	QPSK	167300	836.5	50	28	Back	5mm	0.489	0.745	0.261	0.589	0.204	0.203	0.523	0.437	0.172	0.036	0.072	0.141	0.652	0.023	0.224	0.718	0.697	0.710	0.666	0.511	

Mode	Service/Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
									Auto-Tune	9	19	29	39	49	59	69	79	89	99	109	119	129	139	149	159	169	179	
FR1 n66	QPSK	349000	1745	108	54	Back	5mm	0.98	1.71	0.383	0.385	0.212	0.385	0.286	0.556	0.515	0.541	0.629	0.368	0.468	0.472	0.384	0.276	0.528	0.446	0.357	0.348	



Body>1.2 (Antenna #1, Slave ID=6)																													
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Auto-Tune	Average Value of Time Sweep (W/kg)																			
LTE Band 2	QPSK	18700	1880	50	1	0	5mm	0.978	1.38	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
										0.034	0.048	0.051	0.069	0.076	0.088	0.089	0.097	0.099	0.011	0.116	0.125	0.131	0.142	0.051	0.071	0.101	0.117	0.126	0.136
										20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
										0.141	0.143	0.042	0.043	0.046	0.047	0.051	0.064	0.012	0.017	0.026	0.028	0.032	0.035	0.037	0.039	0.041	0.043	0.045	
										40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59
										0.046	0.053	0.234	0.255	0.056	0.081	0.123	0.181	0.212	0.223	0.246	0.258	0.282	0.274	0.264	0.267	0.267	0.258	0.251	0.253
										60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79
										0.249	0.247	0.244	0.241	0.321	0.317	0.312	0.301	0.300	0.298	0.294	0.291	0.289	0.286	0.274	0.271	0.269	0.287	0.282	0.272
										80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99
										0.264	0.262	0.262	0.255	0.257	0.256	0.251	0.256	0.242	0.234	0.224	0.218	0.211	0.208	0.201	0.206	0.208	0.049	0.067	0.091
										100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119
										0.101	0.109	0.115	0.123	0.122	0.137	0.141	0.149	0.156	0.167	0.138	0.091	0.133	0.142	0.157	0.167	0.175	0.197	0.202	0.216
										120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139
										0.224	0.239	0.019	0.000	0.001	0.172	0.186	0.197	0.209	0.216	0.231	0.239	0.258	0.068	0.087	0.137	0.138	0.214	0.219	0.234
										140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159
										0.249	0.273	0.271	0.071	0.389	0.369	0.334	0.294	0.287	0.273	0.269	0.261	0.257	0.243	0.246	0.456	0.431	0.392	0.359	0.311
										160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179
										0.289	0.289	0.289	0.275	0.267	0.184	0.384	0.381	0.359	0.277	0.267	0.261	0.205	0.248	0.241	0.242	0.359	0.307	0.256	0.242
										180	181	182	183	184	185	186													
										0.229	0.213	0.198	0.199	0.191	0.169	0.148													
										Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Auto-Tune	Average Value of Time Sweep (W/kg)									
LTE Band 7	QPSK	21350	2560	1	0	Back	5mm	1.05	1.68	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
										0.741	1.043	1.200	1.243	1.260	1.260	1.257	1.239	1.255	1.190	1.260	1.167	1.146	1.154	1.075	1.121	1.126	1.540	1.490	1.471
										20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
										1.426	1.441	1.374	1.370	1.310	0.290	0.250	0.993	1.231	1.481	1.488	1.449	1.360	1.328	1.286	1.291	1.261	1.251	1.210	1.216
										40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59
										1.210	1.178	1.147	1.140	1.310	1.480	1.280	1.010	0.998	0.971	0.971	0.924	0.901	0.512	0.777	0.982	1.010	1.180	1.210	1.160
										60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79
										1.210	1.150	1.127	1.140	0.641	0.884	1.010	1.050	1.065	1.050	1.010	1.001	0.991	1.010	0.971	0.931	0.947	0.713	0.961	1.010
										80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99
										0.994	0.971	0.971	0.891	0.981	0.879	0.831	0.835	0.912	1.180	1.040	0.821	0.721	0.731	0.691	0.666	0.661	0.898	1.301	1.561
										100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119
										1.580	1.580	1.560	1.540	1.550	1.490	1.512	1.467	1.410	1.448	1.111	1.210	1.498	1.470	1.455	1.421	1.410	1.316	1.326	1.296
										120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139
										1.250	1.276	1.220	1.408	1.461	1.337	1.321	1.266	1.223	1.235	1.179	1.149	1.163	1.210	1.527	1.394	1.250	0.988	0.961	1.010
										140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159
										0.931	0.934	0.926	0.474	0.696	0.946	1.060	1.104	1.177	1.181	1.163	1.101	1.151	1.141	1.134	0.747	0.757	0.905	1.010	0.006
										160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179
										0.956	0.965	0.937	0.903	0.926	0.656	0.924	1.010	1.049	1.046	0.888	0.901	0.857	0.827	0.834	0.831	0.878	1.020	0.994	0.934
										180	181	182	183	184	185	186													
										0.878	0.791	0.701	0.719	0.706	0.669	0.642													
										Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Auto-Tune	Average Value of Time Sweep (W/kg)									
LTE B66	QPSK	132322	1745	1	0	Back	5mm	1.09	2.11	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
										0.122	0.151	0.171	0.184	0.199	0.209	0.219	0.226	0.226	0.248	0.249	0.256	0.264	0.282	0.175	0.213	0.241	0.281	0.297	0.301
										20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
										0.312	0.321	0.351	0.355	0.372	0.381	0.399	0.323	0.163	0.201	0.251	0.269	0.274	0.295	0.305	0.309	0.318	0.323	0.327	0.337
										40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59
										0.344	0.361	0.368	0.401	0.208	0.152	0.193	0.243	0.261	0.278	0.287	0.295	0.321	0.789	0.914	0.876	0.779	0.562	0.513	0.473
										60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79
										0.468	0.429	0.413	0.375	0.881	0.843	0.719	0.618	0.514	0.484	0.457	0.454	0.401	0.383	0.358	0.351	0.322	0.901	0.764	0.517
										80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99
										0.394	0.369	0.365	0.312	0.311	0.299	0.278	0.266	0.889	0.608	0.431	0.239	0.205	0.199	0.183	0.181	0.167	0.194	0.221	0.258
										100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119
										0.259	0.267	0.272	0.278	0.278	0.291	0.291	0.298	0.301	0.307	0.264	0.295	0.328	0.341	0.352	0.357	0.362	0.383	0.381	0.394
										120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139
										0.395	0.401	0.236	0.264	0.301	0.324	0.333	0.341	0.345	0.353	0.359	0.364	0.389	0.189	0.196	0.205	0.228	0.231	0.262	0.271
										140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159
										0.269	0.286	0.281	0.381	0.434	0.744	0.743	0.567	0.541	0.491	0.477	0.422	0.411	0.361	0.361	0.533	0.586	0.641	0.578	0.414
										160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179
										0.352	0.347	0.317	0.303	0.278	0.142	0.448	0.695	0.511	0.452	0.284	0.278	0.255	0.245	0.223	0.225	0.726	0.701	0.381	0.321
										180	181	182	183	184	185	186													
										0.300	0.237	0.182	0.178	0.161	0.153	0.146													
										Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Auto-Tune	Average Value of Time Sweep (W/kg)									
FR1 n2	QPSK	372000	1880	1	1	Back	5mm	0.95	1.5	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
										0.135	0.182	0.218	0.256	0.277	0.297	0.311	0.327	0.335	0.396	0.401	0.435	0.453	0.487	0.179	0.244	0.351	0.393	0.427	0.458
										20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
										0.474	0.473	0.565	0.561	0.600	0.640	0.692	0.751	0.167	0.233	0.347	0.385	0.423	0.465	0.484	0.501	0.523	0.541	0.563	0.593
										40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59
										0.613	0.667	0.697	0.767	0.339	0.200	0.305	0.464	0.560	0.583	0.649	0.681	0.669	0.732	0.753	0.754	0.752	0.742	0.740	0.735
										60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75				