



Band 19_Ant 11											
BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch./F/Freq.	Power Margin Ch./F/Freq.	Power High Ch./F/Freq.	Time-up Int. (dBm)	MFR (dB)			
Channel											
Frequency (MHz)											
15	QPSK	1	0	20.99				22.4	0		
15	QPSK	1	37	21.25							
15	QPSK	1	74	21.51							
15	QPSK	36	0	20.94				22.4	0		
15	QPSK	36	20	21.07							
15	QPSK	36	39	21.08							
15	QPSK	75	0	21.12				22.4	0		
15	16QAM	1	0	21.16							
15	16QAM	1	37	21.20							
15	16QAM	1	74	21.22				22.4	0		
15	16QAM	36	0	21.14							
15	16QAM	36	20	21.09							
15	16QAM	36	39	21.08				22.4	0		
15	16QAM	75	0	21.10							
15	16QAM	1	0	21.05							
15	16QAM	1	37	21.10				22.4	0		
15	16QAM	1	74	21.11							
15	16QAM	36	0	20.95							
15	16QAM	36	20	20.95				21.9	0.5		
15	16QAM	36	39	20.47							
15	16QAM	75	0	20.68							
Channel											
Frequency (MHz)											
10	QPSK	1	0	20.95	835	837.5	840	22.4	0		
10	QPSK	1	26	21.19	837.5	840					
10	QPSK	1	49	20.92	837.5	840					
10	QPSK	25	0	21.14	21.12	21.14		22.4	0		
10	QPSK	25	12	20.92	20.98	20.92					
10	QPSK	25	25	20.92	20.90	20.92					
10	QPSK	50	0	20.96	20.94	20.96		22.4	0		
10	16QAM	1	0	21.10	21.16	21.10					
10	16QAM	1	25	21.13	21.16	21.13					
10	16QAM	1	49	21.11	21.13	21.13		22.4	0		
10	16QAM	25	0	21.08	20.96	21.08					
10	16QAM	25	12	21.03	21.01	21.03					
10	16QAM	25	25	20.90	21.03	20.90		22.4	0		
10	16QAM	50	0	20.96	21.03	20.96					
10	16QAM	1	0	20.89	21.05	20.89					
10	16QAM	1	25	21.06	21.03	21.06		22.4	0		
10	16QAM	1	49	21.03	20.94	21.03					
10	16QAM	25	0	20.41	20.33	20.41					
10	16QAM	25	12	20.92	20.42	20.92		21.9	0.5		
10	16QAM	25	25	20.47	20.36	20.47					
10	16QAM	50	0	20.54	20.08	20.54					
Channel											
Frequency (MHz)											
5	QPSK	1	0	20.62	832.5	837.5	842.5	22.4	0		
5	QPSK	1	12	21.09	837.5	842.5					
5	QPSK	1	24	20.88	837.5	842.5					
5	QPSK	12	0	21.08	21.09	21.08		22.4	0		
5	QPSK	12	7	20.79	20.80	20.79					
5	QPSK	12	13	20.92	20.93	20.92					
5	QPSK	25	0	20.93	20.96	20.93		22.4	0		
5	16QAM	1	0	21.02	21.01	21.02					
5	16QAM	1	12	21.11	21.11	21.11					
5	16QAM	1	24	21.17	21.07	21.17		22.4	0		
5	16QAM	12	0	21.14	21.02	21.14					
5	16QAM	12	7	20.94	20.93	20.94					
5	16QAM	12	13	21.09	21.08	21.09		22.4	0		
5	16QAM	25	0	20.96	21.10	20.96					
5	16QAM	1	0	20.89	20.86	20.89					
5	16QAM	1	12	21.01	21.01	21.01		22.4	0		
5	16QAM	1	24	21.04	21.03	21.04					
5	16QAM	12	0	20.40	20.44	20.40					
5	16QAM	12	7	20.97	20.90	20.97		21.9	0.5		
5	16QAM	12	13	20.39	20.36	20.39					
5	16QAM	25	0	20.92	20.94	20.92					

Band 19_Ant 41													
BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch./F/Freq.	Power Margin Ch./F/Freq.	Power High Ch./F/Freq.	Time-up Int. (dBm)	MFR (dB)					
Channel													
Frequency (MHz)													
15	QPSK	1	0	23.18				24.9	0				
15	QPSK	1	37	23.43									
15	QPSK	1	74	23.18									
15	QPSK	36	0	23.37				23.9	1				
15	QPSK	36	20	23.34									
15	QPSK	36	39	23.31									
15	QPSK	75	0	23.29				23.9	1				
15	16QAM	1	0	23.55									
15	16QAM	1	37	23.48									
15	16QAM	1	74	23.48				22.9	2				
15	16QAM	36	0	23.26									
15	16QAM	36	20	23.25									
15	16QAM	36	39	23.21				22.9	2				
15	16QAM	75	0	23.22									
15	16QAM	1	0	21.22									
15	16QAM	1	37	21.48				22.9	2				
15	16QAM	1	74	21.38									
15	16QAM	36	0	20.95									
15	16QAM	36	20	20.93				21.9	3				
15	16QAM	36	39	20.53									
15	16QAM	75	0	20.49									
Channel													
Frequency (MHz)													
10	QPSK	1	0	23.25	837.5	840		24.9	0				
10	QPSK	1	26	23.38	837.5	840							
10	QPSK	1	49	23.10	837.5	840							
10	QPSK	25	0	23.24	23.18	23.24		23.9	1				
10	QPSK	25	12	23.29	23.28	23.29							
10	QPSK	25	25	23.32	23.30	23.32							
10	QPSK	50	0	23.30	23.30	23.30		23.9	1				
10	16QAM	1	0	23.48	23.28	23.48							
10	16QAM	1	26	23.62	23.76	23.59							
10	16QAM	1	49	23.48	23.10	23.14		22.9	2				
10	16QAM	25	0	21.24	21.17	21.21							
10	16QAM	25	12	21.18	21.26	21.35							
10	16QAM	25	25	21.26	21.33	21.33		22.9	2				
10	16QAM	50	0	21.33	21.23	21.24							
10	16QAM	1	0	21.19	21.53	21.55							
10	16QAM	1	26	21.53	21.52	21.52		22.9	2				
10	16QAM	1	49	21.53	21.05	21.11							
10	16QAM	25	0	20.45	20.43	20.38							
10	16QAM	25	12	20.45	20.43	20.42		21.9	3				
10	16QAM	25	25	20.53	20.52	20.36							
10	16QAM	50	0	20.98	20.41	20.39							
Channel													
Frequency (MHz)													
5	QPSK	1	0	23.54	837.5	842.5		24.9	0				
5	QPSK	1	12	23.35	837.5	842.5							
5	QPSK	1	24	23.45	837.5	842.5							
5	QPSK	12	0	23.24	23.23	23.28		23.9	1				
5	QPSK	12	7	23.36	23.24	23.28							
5	QPSK	12	13	23.22	23.27	23.29							
5	QPSK	25	0	23.18	23.20	23.30		23.9	1				
5	16QAM	1	0	23.21	23.73	23.47							
5	16QAM	1	12	23.28	23.50	23.31		23.9	1				
5	16QAM	1	24	23.38	23.60	23.41							
5	16QAM	12	0	21.19	21.15	21.29							
5	16QAM	12	7	21.17	21.24	21.38		22.9	2				
5	16QAM	12	13	21.15	21.32	21.31							
5	16QAM	25	0	21.29	21.26	21.31							
5	16QAM	1	0	21.47	21.52	21.54		22.9	2				
5	16QAM	1	12	21.29	21.14	21.34							
5	16QAM	12	0	21.53	21.60	21.58							
5	16QAM	12	0	20.51	20.58	20.50		21.9	3				
5	16QAM	12	7	20.53	20.41	20.55							
5	16QAM	12	13	20.47	20.42	20.48							
5	16QAM	25	0	20.31	20.43	20.29							
5	16QAM	25	0	20.31	20.43	20.29							

Band 66_Ant14																
RF [MHz]	Modulation	RB Size	RB Offset	Power Level Ch / Freq	Power Mask Ch / Freq	Power Age Ch / Freq	Time-up [ms] (dB)	MPR (dB)								
Channel																
Frequency [MHz]																
20	QPSK	1	0	16.15	16.30	16.23	17.5	0								
20	QPSK	1	49	16.22	16.36	16.25										
20	QPSK	1	99	16.13	16.29	16.12										
20	QPSK	50	0	16.04	16.17	16.11										
20	QPSK	50	24	16.14	16.26	16.13	17.5	0								
20	QPSK	50	50	16.16	16.29	16.12										
20	QPSK	100	0	16.05	16.23	16.21										
20	QPSK	100	1	16.09	16.31	16.19										
20	16QAM	1	49	16.07	16.35	16.20	17.5	0								
20	16QAM	1	99	16.10	16.26	16.19										
20	16QAM	50	0	16.11	16.30	16.13										
20	16QAM	50	24	16.15	16.26	16.21										
20	16QAM	50	50	16.05	16.20	16.16	17.5	0								
20	16QAM	100	0	16.06	16.24	16.15										
20	16QAM	100	1	16.13	16.28	16.13										
20	84QAM	1	0	16.14	16.31	16.17										
20	84QAM	1	99	16.16	16.36	16.19	17.5	0								
20	84QAM	50	0	16.11	16.30	16.29										
20	84QAM	50	24	16.04	16.29	16.21										
20	84QAM	50	50	16.09	16.27	16.22										
20	84QAM	100	0	16.11	16.30	16.23	17.5	0								
Channel																
Frequency [MHz]																
15	QPSK	1	0	16.00	16.36	16.11	17.5	0								
15	QPSK	1	37	16.04	16.36	16.06										
15	QPSK	1	74	16.00	16.28	16.06										
15	QPSK	36	0	16.02	16.23	16.06										
15	QPSK	36	20	15.93	16.14	16.06	17.5	0								
15	QPSK	36	36	15.99	16.28	16.05										
15	QPSK	75	0	16.01	16.16	16.17										
15	16QAM	1	0	16.01	16.24	16.12										
15	16QAM	1	37	16.05	16.21	16.00	17.5	0								
15	16QAM	1	74	15.98	16.14	16.00										
15	16QAM	36	0	15.98	16.24	16.16										
15	16QAM	36	20	16.06	16.18	16.10										
15	16QAM	36	36	16.05	16.28	16.09	17.5	0								
15	16QAM	75	0	16.04	16.26	16.13										
15	84QAM	1	0	15.94	16.28	16.07										
15	84QAM	1	37	15.94	16.18	16.12										
15	84QAM	1	74	15.98	16.26	16.06	17.5	0								
15	84QAM	36	0	15.98	16.22	16.13										
15	84QAM	36	20	16.02	16.24	16.00										
15	84QAM	36	36	16.06	16.16	16.01										
15	84QAM	75	0	15.96	16.14	16.07	17.5	0								
Channel																
Frequency [MHz]																
10	QPSK	1	0	16.04	16.22	16.16	17.5	0								
10	QPSK	1	20	15.95	16.24	16.05										
10	QPSK	1	49	16.00	16.23	16.11										
10	QPSK	25	0	16.08	16.23	16.04										
10	QPSK	25	12	16.02	16.27	16.01	17.5	0								
10	QPSK	25	20	15.99	16.16	16.01										
10	QPSK	50	0	16.02	16.25	16.07										
10	16QAM	1	0	16.00	16.16	16.00										
10	16QAM	1	20	15.98	16.18	16.07	17.5	0								
10	16QAM	1	49	16.04	16.16	16.16										
10	16QAM	25	0	15.94	16.17	16.11										
10	16QAM	25	12	16.00	16.27	16.03										
10	16QAM	25	20	15.94	16.16	16.04	17.5	0								
10	16QAM	50	0	15.93	16.22	16.05										
10	84QAM	1	0	16.01	16.16	16.06										
10	84QAM	1	20	15.99	16.27	16.09										
10	84QAM	1	49	16.04	16.24	16.06	17.5	0								
10	84QAM	25	0	16.04	16.23	15.96										
10	84QAM	25	12	16.06	16.21	16.00										
10	84QAM	25	20	16.05	16.27	16.10										
10	84QAM	50	0	15.98	16.23	16.01	17.5	0								
Channel																
Frequency [MHz]																
5	QPSK	1	0	15.94	16.17	16.12	17.5	0								
5	QPSK	1	12	15.92	16.28	16.08										
5	QPSK	1	24	15.99	16.16	16.09										
5	QPSK	12	0	16.00	16.15	16.13										
5	QPSK	12	7	16.01	16.17	16.06	17.5	0								
5	QPSK	12	13	15.99	16.20	16.05										
5	QPSK	25	0	16.04	16.17	16.01										
5	16QAM	1	0	16.04	16.25	16.12										
5	16QAM	1	12	16.05	16.22	16.08	17.5	0								
5	16QAM	1	24	16.03	16.15	16.08										
5	16QAM	12	0	15.97	16.21	16.07										
5	16QAM	12	7	16.05	16.27	16.00										
5	16QAM	12	13	15.96	16.22	16.05	17.5	0								
5	16QAM	20	0	16.05	16.19	16.06										
5	84QAM	1	0	15.99	16.27	16.06										
5	84QAM	1	12	15.96	16.20	16.03										
5	84QAM	1	24	15.95	16.28	16.01	17.5	0								
5	84QAM	12	0	15.93	16.26	16.09										
5	84QAM	12	7	15.98	16.20	16.02										
5	84QAM	12	13	16.06	16.25	16.06										
5	84QAM	20	0	15.92	16.19	16.00	17.5	0								
Channel																
Frequency [MHz]																
3	QPSK	1	0	16.00	16.14	16.06	17.5	0								
3	QPSK	1	8	15.99	16.21	16.12										
3	QPSK	8	0	15.95	16.14	16.03										
3	QPSK	8	4	15.94	16.15	16.12										
3	QPSK	8	7	15.92	16.24	16.09	17.5	0								
3	QPSK	15	0	15.92	16.16	16.06										
3	16QAM	1	0	16.02	16.18	16.07										
3	16QAM	1	8	15.98	16.26	16.05										
3	16QAM	1	14	15.93	16.19	16.01	17.5	0								
3	16QAM	8	0	16.06	16.17	16.06										
3	16QAM	8	4	16.04	16.20	16.08										
3	16QAM	8	7	16.00	16.27	16.06										
3	16QAM	15	0	16.02	16.20	16.09	17.5	0								
3	84QAM	1	0	15.99	16.17	16.04	17.5	0								
3	84QAM	1	8	15.94	16.23	16.01										
3	84QAM	8	0	15.96	16.28	16.07										
3	84QAM	8	4	16.05	16.16	16.06										
3	84QAM	8	7	16.02	16.21	16.06	17.5	0								
Channel																
Frequency [MHz]																
1.4	QPSK	1	0	16.00	16.16	16.13	17.5	0								
1.4	QPSK	1	17	16.02	16.21	16.14										
1.4	QPSK	1	34	16.04	16.17	16.03										
1.4	QPSK	3	0	16.02	16.16	16.13										
1.4	QPSK	3	1	16.06	16.19	16.04	17.5	0								
1.4	QPSK	3	17	16.04	16.14	16.07										
1.4	QPSK	6	0	15.93	16.17	16.00										
1.4	16QAM	1	0	16.06	16.18	16.12										
1.4	16QAM	1	17	16.05	16.21	16.04	17.5	0								
1.4	16QAM	1	34	16.02	16.21	16.04										
1.4	16QAM	3	0	16.02	16.16	16.09										
1.4	16QAM	3	1	16.04	16.14	16.06										
1.4	16QAM	3	17	16.06	16.20	16.13	17.5	0								
1.4	16QAM	6	0	15.99	16.24	16.11										
1.4	84QAM	1	0	16.03	16.26	16.13										
1.4	84QAM	1	17	16.02	16.24	16.09										
1.4	84QAM	1	34	16.07	16.24	16.09	17.5	0								
1.4	84QAM	3	0	16.06	16.23	16.10										
1.4	84QAM	3	1	16.05	16.17	16.08										
1.4	84QAM	3	17	16.05	16.13	16.07										
1.4	84QAM	6	0	16.06	16.19	16.09	17.5	0								

Band 38_Ant31									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	23.44	23.57	23.38	24.8	0	
20	QPSK	1	49	23.70	23.85	23.61			
20	QPSK	1	99	23.52	23.63	23.53			
20	QPSK	50	0	22.65	22.55	22.52	23.8	1	
20	QPSK	50	24	22.56	22.52	22.56			
20	QPSK	50	50	22.48	22.58	22.60			
20	QPSK	100	0	22.63	22.60	22.55	23.8	1	
20	16QAM	1	0	22.39	22.53	22.43			
20	16QAM	1	49	22.59	22.87	22.80			
20	16QAM	1	99	22.44	22.65	22.48	22.8	2	
20	16QAM	50	0	21.52	21.73	21.49			
20	16QAM	50	24	21.53	21.76	21.58			
20	16QAM	50	50	21.47	21.70	21.56	22.8	2	
20	16QAM	100	0	21.50	21.75	21.57			
20	64QAM	1	0	21.14	21.40	21.06			
20	64QAM	1	49	21.31	21.53	21.35	22.8	2	
20	64QAM	1	99	21.16	21.39	21.29			
20	64QAM	50	0	20.62	20.88	20.59			
20	64QAM	50	24	20.67	20.91	20.68	21.8	3	
20	64QAM	50	50	20.56	20.86	20.75			
20	64QAM	100	0	20.67	20.85	20.70			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	23.46	23.60	23.50	24.8	0	
15	QPSK	1	37	23.59	23.66	23.62			
15	QPSK	1	74	23.41	23.64	23.59			
15	QPSK	36	0	22.49	22.56	22.51	23.8	1	
15	QPSK	36	20	22.52	22.58	22.54			
15	QPSK	36	39	22.41	22.61	22.51			
15	QPSK	75	0	22.49	22.62	22.55	23.8	1	
15	16QAM	1	0	22.37	22.52	22.51			
15	16QAM	1	37	22.56	22.68	22.68			
15	16QAM	1	74	22.43	22.58	22.60	22.8	2	
15	16QAM	36	0	21.43	21.54	21.45			
15	16QAM	36	20	21.44	21.56	21.51			
15	16QAM	36	39	21.38	21.58	21.53	22.8	2	
15	16QAM	75	0	21.51	21.59	21.60			
15	64QAM	1	0	21.18	21.34	21.27			
15	64QAM	1	37	21.36	21.47	21.29	22.8	2	
15	64QAM	1	74	21.09	21.30	21.31			
15	64QAM	36	0	20.68	20.76	20.67			
15	64QAM	36	20	20.64	20.73	20.66	21.8	3	
15	64QAM	36	39	20.57	20.80	20.74			
15	64QAM	75	0	20.68	20.78	20.75			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	23.55	23.57	23.55	24.8	0	
10	QPSK	1	25	23.55	23.63	23.67			
10	QPSK	1	49	23.51	23.67	23.67			
10	QPSK	25	0	22.49	22.63	22.55	23.8	1	
10	QPSK	25	12	22.48	22.66	22.39			
10	QPSK	25	25	22.49	22.60	22.62			
10	QPSK	50	0	22.50	22.63	22.63	23.8	1	
10	16QAM	1	0	22.51	22.56	22.60			
10	16QAM	1	25	22.57	22.71	22.66			
10	16QAM	1	49	22.54	22.67	22.65	22.8	2	
10	16QAM	25	0	21.58	21.67	21.57			
10	16QAM	25	12	21.50	21.68	21.59			
10	16QAM	25	25	21.46	21.62	21.65	22.8	2	
10	16QAM	50	0	21.50	21.66	21.62			
10	64QAM	1	0	21.23	21.31	21.32			
10	64QAM	1	25	21.28	21.43	21.40	22.8	2	
10	64QAM	1	49	21.22	21.36	21.34			
10	64QAM	25	0	20.76	20.83	20.80			
10	64QAM	25	12	20.70	20.87	20.91	21.8	3	
10	64QAM	25	25	20.64	20.80	20.87			
10	64QAM	50	0	20.61	20.79	20.78			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	23.49	23.67	23.61	24.8	0	
5	QPSK	1	12	23.57	23.58	23.64			
5	QPSK	1	24	23.52	23.69	23.66			
5	QPSK	12	0	22.51	22.68	22.61	23.8	1	
5	QPSK	12	7	22.45	22.61	22.62			
5	QPSK	12	13	22.48	22.56	22.65			
5	QPSK	25	0	22.48	22.62	22.69	23.8	1	
5	16QAM	1	0	22.43	22.60	22.64			
5	16QAM	1	12	22.54	22.68	22.64			
5	16QAM	1	24	22.48	22.66	22.71	22.8	2	
5	16QAM	12	0	21.48	21.63	21.59			
5	16QAM	12	7	21.39	21.53	21.61			
5	16QAM	12	13	21.40	21.54	21.58	22.8	2	
5	16QAM	25	0	21.55	21.64	21.67			
5	64QAM	1	0	21.20	21.47	21.31			
5	64QAM	1	12	21.27	21.49	21.41	22.8	2	
5	64QAM	1	24	21.23	21.45	21.42			
5	64QAM	12	0	20.66	20.86	20.77			
5	64QAM	12	7	20.61	20.80	20.85	21.8	3	
5	64QAM	12	13	20.65	20.78	20.82			
5	64QAM	25	0	20.75	20.87	20.87			

Band 38_Ant14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	16.02	16.06	15.91	17.3	0	
20	QPSK	1	49	16.08	16.05	16.01			
20	QPSK	1	99	16.04	15.98	16.01			
20	QPSK	50	0	16.07	16.08	15.91	17.3	0	
20	QPSK	50	24	16.08	16.03	15.97			
20	QPSK	50	50	16.07	16.07	15.97			
20	QPSK	100	0	16.05	16.05	15.97	17.3	0	
20	16QAM	1	0	16.00	16.05	15.95			
20	16QAM	1	49	16.05	16.02	15.94			
20	16QAM	1	99	16.06	15.98	15.89	17.3	0	
20	16QAM	50	0	16.02	16.02	15.92			
20	16QAM	50	24	15.99	16.01	15.98			
20	16QAM	50	50	16.08	16.04	15.98	17.3	0	
20	16QAM	100	0	16.03	16.04	15.93			
20	64QAM	1	0	16.05	16.03	15.91			
20	64QAM	1	49	16.04	15.97	16.01	17.3	0	
20	64QAM	1	99	16.00	16.07	15.96			
20	64QAM	50	0	16.00	15.99	15.94			
20	64QAM	50	24	16.08	16.03	15.92	17.3	0	
20	64QAM	50	50	15.99	16.07	15.99			
20	64QAM	100	0	16.05	16.06	16.03			
Channel				37825	38000	38115	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	15.80	15.89	15.71	17.3	0	
15	QPSK	1	37	15.86	15.82	15.76			
15	QPSK	1	74	15.82	15.77	15.69			
15	QPSK	36	0	15.83	15.81	15.71	17.3	0	
15	QPSK	36	20	15.82	15.83	15.80			
15	QPSK	36	39	15.81	15.86	15.82			
15	QPSK	75	0	15.84	15.76	15.73	17.3	0	
15	16QAM	1	0	15.86	15.89	15.75			
15	16QAM	1	37	15.79	15.76	15.75			
15	16QAM	1	74	15.91	15.85	15.80	17.3	0	
15	16QAM	36	0	15.87	15.86	15.74			
15	16QAM	36	20	15.86	15.87	15.76			
15	16QAM	36	39	15.89	15.87	15.77	17.3	0	
15	16QAM	75	0	15.91	15.88	15.79			
15	64QAM	1	0	15.93	15.86	15.73			
15	64QAM	1	37	15.86	15.86	15.77	17.3	0	
15	64QAM	1	74	15.80	15.86	15.76			
15	64QAM	36	0	15.90	15.89	15.79			
15	64QAM	36	20	15.93	15.85	15.71	17.3	0	
15	64QAM	36	39	15.86	15.76	15.82			
15	64QAM	75	0	15.81	15.83	15.82			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	15.89	15.79	15.82	17.3	0	
10	QPSK	1	25	15.83	15.87	15.76			
10	QPSK	1	49	15.82	15.82	15.75			
10	QPSK	25	0	15.83	15.77	15.80	17.3	0	
10	QPSK	25	12	15.93	15.86	15.89			
10	QPSK	25	25	15.82	15.89	15.77			
10	QPSK	50	0	15.85	15.81	15.80	17.3	0	
10	16QAM	1	0	15.86	15.87	15.80			
10	16QAM	1	25	15.82	15.77	15.77			
10	16QAM	1	49	15.88	15.77	15.76	17.3	0	
10	16QAM	25	0	15.84	15.81	15.76			
10	16QAM	25	12	15.79	15.79	15.74			
10	16QAM	25	25	15.87	15.82	15.81	17.3	0	
10	16QAM	50	0	15.80	15.82	15.77			
10	64QAM	1	0	15.91	15.87	15.73			
10	64QAM	1	25	15.90	15.79	15.70	17.3	0	
10	64QAM	1	49	15.81	15.88	15.72			
10	64QAM	25	0	15.86	15.90	15.74			
10	64QAM	25	12	15.91	15.84	15.72	17.3	0	
10	64QAM	25	25	15.82	15.82	15.77			
10	64QAM	50	0	15.86	15.84	15.82			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	15.83	15.87	15.73	17.3	0	
5	QPSK	1	12	15.81	15.84	15.78			
5	QPSK	1	24	15.86	15.90	15.69			
5	QPSK	12	0	15.90	15.86	15.81	17.3	0	
5	QPSK	12	7	15.98	15.89	15.83			
5	QPSK	12	13	15.83	15.82	15.80			
5	QPSK	25	0	15.86	15.86	15.74	17.3	0	
5	16QAM	1	0	15.91	15.81	15.72			
5	16QAM	1	12	15.87	15.88	15.75			
5	16QAM	1	24	15.79	15.79	15.75	17.3	0	
5	16QAM	12	0	15.88	15.87	15.80			
5	16QAM	12	7	15.90	15.88	15.75			
5	16QAM	12	13	15.81	15.78	15.83	17.3	0	
5	16QAM	25	0	15.86	15.83	15.81			
5	64QAM	1	0	15.88	15.76	15.71			
5	64QAM	1	12	15.82	15.77	15.78	17.3	0	
5	64QAM	1	24	15.86	15.76	15.79			
5	64QAM	12	0	15.85	15.79	15.74			
5	64QAM	12	7	15.92	15.83	15.80	17.3	0	
5	64QAM	12	13	15.80	15.82	15.80			
5	64QAM	25	0	15.83	15.79	15.75			

Band 41_Ant31											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620	41055	41490			
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	23.44	23.36	23.52	23.47	23.36	24.8	0	
20	QPSK	1	49	23.50	23.48	23.71	23.62	23.60			
20	QPSK	1	99	23.39	23.35	23.60	23.45	23.45			
20	QPSK	50	0	22.38	22.49	22.66	22.53	22.54			
20	QPSK	50	24	22.50	22.49	22.60	22.55	22.55	23.8	1	
20	QPSK	50	50	22.53	22.45	22.53	22.58	22.55			
20	QPSK	100	0	22.42	22.46	22.60	22.56	22.51			
20	16QAM	1	0	22.39	22.28	22.56	22.45	22.37			
20	16QAM	1	49	22.54	22.56	22.71	22.60	22.64	23.8	1	
20	16QAM	1	99	22.40	22.33	22.60	22.42	22.46			
20	16QAM	50	0	21.62	21.53	21.62	21.52	21.52			
20	16QAM	50	24	21.73	21.51	21.68	21.58	21.57			
20	16QAM	50	50	21.72	21.46	21.64	21.53	21.53	22.8	2	
20	16QAM	100	0	21.64	21.49	21.60	21.59	21.52			
20	64QAM	1	0	21.30	21.06	21.16	21.14	21.12			
20	64QAM	1	49	21.41	21.25	21.42	21.40	21.30			
20	64QAM	1	99	21.27	21.05	21.30	21.15	21.19	22.8	2	
20	64QAM	50	0	20.54	20.66	20.78	20.68	20.66			
20	64QAM	50	24	20.61	20.66	20.83	20.72	20.73			
20	64QAM	50	50	20.66	20.56	20.81	20.69	20.70			
20	64QAM	100	0	20.56	20.62	20.77	20.67	20.65	21.8	3	
Channel				39725	40173	40620	41068	41515			
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5			
15	QPSK	1	0	23.43	23.46	23.48	23.47	23.43	24.80	0	
15	QPSK	1	37	23.53	23.67	23.70	23.69	23.54			
15	QPSK	1	74	23.48	23.43	23.58	23.56	23.45			
15	QPSK	36	0	22.39	22.39	22.56	22.49	22.41			
15	QPSK	36	20	22.44	22.47	22.58	22.51	22.42	23.8	1	
15	QPSK	36	39	22.47	22.45	22.64	22.51	22.41			
15	QPSK	75	0	22.48	22.47	22.56	22.52	22.44			
15	16QAM	1	0	22.45	22.36	22.47	22.46	22.36			
15	16QAM	1	37	22.55	22.53	22.67	22.58	22.57	23.8	1	
15	16QAM	1	74	22.47	22.43	22.53	22.43	22.47			
15	16QAM	36	0	21.54	21.59	21.53	21.46	21.39			
15	16QAM	36	20	21.64	21.60	21.58	21.43	21.39			
15	16QAM	36	39	21.71	21.64	21.61	21.47	21.38	22.8	2	
15	16QAM	75	0	21.60	21.66	21.62	21.53	21.46			
15	64QAM	1	0	21.30	21.29	21.27	21.15	21.14			
15	64QAM	1	37	21.46	21.43	21.37	21.31	21.37			
15	64QAM	1	74	21.32	21.39	21.29	21.23	21.13	22.8	2	
15	64QAM	36	0	20.64	20.56	20.75	20.66	20.58			
15	64QAM	36	20	20.61	20.59	20.79	20.63	20.62			
15	64QAM	36	39	20.68	20.67	20.77	20.66	20.58			
15	64QAM	75	0	20.55	20.53	20.78	20.67	20.61	21.8	3	
Channel				39700	40160	40620	41080	41540			
Frequency (MHz)				2501	2547	2593	2639	2685			
10	QPSK	1	0	23.42	23.60	23.58	23.43	23.62	24.80	0	
10	QPSK	1	25	23.47	23.66	23.55	23.56	23.69			
10	QPSK	1	49	23.40	23.68	23.58	23.50	23.67			
10	QPSK	25	0	22.29	22.61	22.47	22.44	22.65			
10	QPSK	25	12	22.39	22.63	22.46	22.49	22.72	23.8	1	
10	QPSK	25	25	22.41	22.71	22.45	22.45	22.71			
10	QPSK	50	0	22.45	22.63	22.47	22.51	22.71			
10	16QAM	1	0	22.35	22.59	22.45	22.42	22.62			
10	16QAM	1	25	22.47	22.67	22.56	22.55	22.65	23.8	1	
10	16QAM	1	49	22.38	22.61	22.50	22.53	22.73			
10	16QAM	25	0	21.57	21.67	21.47	21.53	21.68			
10	16QAM	25	12	21.60	21.67	21.52	21.50	21.74			
10	16QAM	25	25	21.55	21.65	21.52	21.46	21.77	22.8	2	
10	16QAM	50	0	21.59	21.61	21.48	21.50	21.75			
10	64QAM	1	0	21.33	21.30	21.25	21.16	21.46			
10	64QAM	1	25	21.37	21.46	21.28	21.29	21.50			
10	64QAM	1	49	21.29	21.38	21.17	21.19	21.44	22.8	2	
10	64QAM	25	0	20.52	20.80	20.66	20.68	20.92			
10	64QAM	25	12	20.60	20.80	20.68	20.77	20.94			
10	64QAM	25	25	20.64	20.86	20.65	20.69	21.01			
10	64QAM	50	0	20.66	20.77	20.64	20.67	20.93	21.8	3	
Channel				39675	40148	40620	41093	41565			
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5			
5	QPSK	1	0	23.36	23.55	23.46	23.43	23.45	24.80	0	
5	QPSK	1	12	23.41	23.63	23.57	23.51	23.53			
5	QPSK	1	24	23.36	23.65	23.52	23.47	23.49			
5	QPSK	12	0	22.33	22.55	22.40	22.42	22.41			
5	QPSK	12	7	22.34	22.57	22.39	22.39	22.41	23.8	1	
5	QPSK	12	13	22.34	22.58	22.45	22.40	22.39			
5	QPSK	25	0	22.34	22.57	22.41	22.40	22.48			
5	16QAM	1	0	22.38	22.58	22.39	22.41	22.41			
5	16QAM	1	12	22.44	22.68	22.43	22.54	22.44	23.8	1	
5	16QAM	1	24	22.37	22.61	22.45	22.45	22.44			
5	16QAM	12	0	21.45	21.51	21.37	21.35	21.37			
5	16QAM	12	7	21.44	21.52	21.33	21.34	21.35			
5	16QAM	12	13	21.48	21.48	21.34	21.31	21.29	22.8	2	
5	16QAM	25	0	21.58	21.54	21.45	21.46	21.44			
5	64QAM	1	0	21.34	21.32	21.20	21.24	21.19			
5	64QAM	1	12	21.31	21.29	21.15	21.25	21.20			
5	64QAM	1	24	21.34	21.36	21.19	21.22	21.22	22.8	2	
5	64QAM	12	0	20.47	20.72	20.53	20.60	20.54			
5	64QAM	12	7	20.52	20.75	20.55	20.58	20.52			
5	64QAM	12	13	20.46	20.72	20.54	20.53	20.54			
5	64QAM	25	0	20.58	20.74	20.61	20.62	20.59	21.8	3	
Channel				39675	40148	40620	41093	41565			
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5			

Band 41_Ant14											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620	41055	41490			
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	15.78	16.04	15.93	15.84	15.99	17.3	0	
20	QPSK	1	49	15.89	15.99	16.10	15.86	16.01			
20	QPSK	1	99	15.86	15.99	15.80	15.86	16.03			
20	QPSK	50	0	15.79	16.00	16.02	15.87	15.95	17.3	0	
20	QPSK	50	24	15.83	16.01	15.93	15.81	15.91			
20	QPSK	50	50	15.85	16.00	15.84	15.85	16.00			
20	QPSK	100	0	15.78	15.95	16.00	15.83	15.90	17.3	0	
20	16QAM	1	0	15.80	16.05	15.83	15.80	15.87			
20	16QAM	1	49	15.75	16.03	15.83	15.87	16.00			
20	16QAM	1	99	15.75	16.07	15.85	15.86	16.02	17.3	0	
20	16QAM	50	0	15.75	16.01	15.80	15.88	15.94			
20	16QAM	50	24	15.87	16.03	15.84	15.80	15.95			
20	16QAM	50	50	15.89	16.06	15.82	15.82	15.93	17.3	0	
20	16QAM	100	0	15.81	16.05	15.86	15.84	16.00			
20	64QAM	1	0	15.77	16.06	15.90	15.78	15.90			
20	64QAM	1	49	15.82	16.00	15.90	15.87	15.99	17.3	0	
20	64QAM	1	15.79	99	16.02	15.92	15.78	15.91			
20	64QAM	50	0	15.83	15.97	15.92	15.88	15.97			
20	64QAM	50	24	15.77	15.99	15.80	15.86	16.02	17.3	0	
20	64QAM	50	50	15.79	16.03	15.84	15.79	15.99			
20	64QAM	100	0	15.82	16.03	15.85	15.85	15.92			
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5			
15	QPSK	1	0	15.71	15.88	15.65	15.70	15.85	17.30	0	
15	QPSK	1	37	15.64	15.81	15.77	15.59	15.76			
15	QPSK	1	74	15.61	15.85	15.75	15.66	15.84			
15	QPSK	36	0	15.64	15.89	15.67	15.70	15.75	17.3	0	
15	QPSK	36	20	15.66	15.82	15.72	15.69	15.79			
15	QPSK	36	39	15.71	15.90	15.75	15.67	15.84			
15	QPSK	75	0	15.70	15.80	15.66	15.63	15.74	17.3	0	
15	16QAM	1	0	15.67	15.85	15.64	15.59	15.88			
15	16QAM	1	37	15.61	15.83	15.78	15.71	15.75			
15	16QAM	1	74	15.67	15.92	15.85	15.62	15.78	17.3	0	
15	16QAM	36	0	15.64	15.81	15.68	15.62	15.82			
15	16QAM	36	20	15.63	15.80	15.78	15.62	15.79			
15	16QAM	36	39	15.60	15.84	15.69	15.61	15.86	17.3	0	
15	16QAM	75	0	15.62	15.79	15.75	15.60	15.75			
15	64QAM	1	0	15.63	15.83	15.66	15.66	15.84			
15	64QAM	1	37	15.72	15.85	15.67	15.60	15.81	17.3	0	
15	64QAM	1	74	15.62	15.91	15.66	15.72	15.87			
15	64QAM	36	0	15.61	15.87	15.72	15.72	15.87			
15	64QAM	36	20	15.59	15.88	15.67	15.65	15.80	17.3	0	
15	64QAM	36	39	15.65	15.79	15.69	15.69	15.87			
15	64QAM	75	0	15.67	15.88	15.70	15.73	15.75			
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501	2547	2593	2639	2685			
10	QPSK	1	0	15.72	15.83	15.74	15.63	15.79	17.30	0	
10	QPSK	1	25	15.65	15.92	15.72	15.68	15.85			
10	QPSK	1	49	15.70	15.85	15.73	15.60	15.88			
10	QPSK	25	0	15.64	15.89	15.69	15.72	15.78	17.3	0	
10	QPSK	25	12	15.61	15.84	15.69	15.63	15.75			
10	QPSK	25	25	15.62	15.91	15.76	15.72	15.75			
10	QPSK	50	0	15.61	15.82	15.65	15.65	15.79	17.3	0	
10	16QAM	1	0	15.72	15.84	15.71	15.64	15.86			
10	16QAM	1	25	15.63	15.85	15.66	15.66	15.78			
10	16QAM	1	49	15.71	15.83	15.70	15.62	15.85	17.3	0	
10	16QAM	25	0	15.60	15.91	15.67	15.71	15.81			
10	16QAM	25	12	15.62	15.87	15.67	15.63	15.76			
10	16QAM	25	25	15.72	15.87	15.75	15.64	15.67	17.3	0	
10	16QAM	50	0	15.62	15.80	15.64	15.64	15.78			
10	64QAM	1	0	15.73	15.86	15.69	15.64	15.86			
10	64QAM	1	25	15.62	15.89	15.72	15.62	15.79	17.3	0	
10	64QAM	1	49	15.63	15.87	15.72	15.61	15.79			
10	64QAM	25	0	15.66	15.93	15.65	15.64	15.75			
10	64QAM	25	12	15.62	15.86	15.73	15.69	15.77	17.3	0	
10	64QAM	25	25	15.63	15.89	15.74	15.63	15.79			
10	64QAM	50	0	15.66	15.85	15.73	15.73	15.86			
Channel				39675	40148	40620	41093	41556	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5			
5	QPSK	1	0	15.67	15.86	15.76	15.69	15.80	17.30	0	
5	QPSK	1	12	15.68	15.80	15.77	15.64	15.82			
5	QPSK	1	24	15.65	15.82	15.72	15.67	15.84			
5	QPSK	12	0	15.64	15.93	15.69	15.70	15.81	17.3	0	
5	QPSK	12	7	15.68	15.85	15.64	15.65	15.82			
5	QPSK	12	13	15.68	15.80	15.78	15.73	15.88			
5	QPSK	25	0	15.73	15.84	15.73	15.69	15.83	17.3	0	
5	16QAM	1	0	15.63	15.92	15.69	15.68	15.83			
5	16QAM	1	12	15.63	15.80	15.73	15.67	15.87			
5	16QAM	1	24	15.63	15.88	15.76	15.65	15.78	17.3	0	
5	16QAM	12	0	15.63	15.85	15.77	15.73	15.86			
5	16QAM	12	7	15.73	15.91	15.72	15.61	15.88			
5	16QAM	12	13	15.63	15.92	15.78	15.70	15.86	17.3	0	
5	16QAM	25	0	15.71	15.85	15.69	15.63	15.74			
5	64QAM	1	0	15.72	15.80	15.72	15.64	15.88			
5	64QAM	1	12	15.72	15.80	15.74	15.63	15.83	17.3	0	
5	64QAM	1	24	15.61	15.79	15.68	15.68	15.83			
5	64QAM	12	0	15.69	15.91	15.71	15.61	15.74			
5	64QAM	12	7	15.70	15.80	15.71	15.65	15.84	17.3	0	
5	64QAM	12	13	15.70	15.85	15.73	15.67	15.82			
5	64QAM	25	0	15.64	15.89	15.67	15.72	15.85			



DSI 4 Power

GSM850_Ant41		Burst Average Power (dBm)			Tune-up		Frame Average Power (dBm)			Tune-up	
TX Channel		128	189	251	Limit (dBm)		128	189	251	Limit (dBm)	
Frequency (MHz)		834.2	836.4	848.8			834.2	836.4	848.8		
GSM 1 Tx slot		32.09	32.20	32.22	33.50		23.09	23.20	23.22	24.50	
GPRS 1 Tx slot		32.08	32.17	32.21	33.50		23.08	23.17	23.21	24.50	
GPRS 2 Tx slots		30.33	30.34	30.32	31.50		24.33	24.34	24.32	25.50	
GPRS 3 Tx slots		28.13	28.13	28.12	29.50		23.87	23.87	23.86	25.24	
GPRS 4 Tx slots		28.44	28.45	28.52	28.00		23.44	23.45	23.52	25.00	
EDGE 1 Tx slot		27.00	27.04	26.93	28.00		18.00	18.04	17.93	19.00	
EDGE 2 Tx slots		24.42	24.51	24.45	25.70		18.42	18.51	18.45	19.70	
EDGE 3 Tx slots		22.15	22.25	22.30	23.50		17.89	17.99	18.04	19.24	
EDGE 4 Tx slots		20.30	20.31	20.28	21.70		17.30	17.31	17.28	18.70	

GSM1900_Ant31		Burst Average Power (dBm)			Tune-up		Frame Average Power (dBm)			Tune-up	
TX Channel		512	661	810	Limit (dBm)		512	661	810	Limit (dBm)	
Frequency (MHz)		1850.2	1880	1909.8			1850.2	1880	1909.8		
GSM 1 Tx slot		28.80	28.50	28.42	29.50		19.80	19.50	19.42	20.50	
GPRS 1 Tx slot		28.54	28.41	28.34	29.50		19.54	19.41	19.34	20.50	
GPRS 2 Tx slots		20.01	28.03	25.97	27.30		20.01	20.03	19.97	21.30	
GPRS 3 Tx slots		23.72	23.76	23.62	25.00		19.46	19.50	19.36	20.74	
GPRS 4 Tx slots		22.42	22.54	22.45	23.50		19.42	19.54	19.45	20.50	
EDGE 1 Tx slot		25.47	25.51	25.18	26.50		16.47	16.51	16.18	17.50	
EDGE 2 Tx slots		23.51	23.60	23.22	24.50		17.51	17.60	17.22	18.50	
EDGE 3 Tx slots		21.38	21.42	21.30	22.70		17.12	17.16	17.04	18.44	
EDGE 4 Tx slots		20.10	20.05	19.84	21.20		17.10	17.05	16.84	18.20	

Band		WCDMA I_Ant31			Tune-up		WCDMA I_Ant31			Tune-up		WCDMA V_Ant41			Tune-up	
TX Channel		9262	9400	9538	Limit (dBm)		1312	1413	1513	Limit (dBm)		4132	4182	4233	Limit (dBm)	
Rx Channel		9402	9600	9838			1537	1638	1738			4357	4407	4458		
Frequency (MHz)		1852.4	1880	1907.8			1712.4	1732.6	1752.8			826.4	836.4	846.8		
3GPP Rel 99		AMR 12.2Kbps	19.67	19.67	19.64	21.00	19.97	20.08	20.02	21.00	23.63	23.68	23.62	25.00		
3GPP Rel 99		RMC 12.2Kbps	19.66	19.71	19.65	21.00	19.96	20.11	20.07	21.00	23.66	23.70	23.68	25.00		
3GPP Rel 6		HS-DPA Subtest-1	18.58	18.65	18.58	20.00	18.75	18.87	18.69	20.00	22.60	22.70	22.61	24.00		
3GPP Rel 6		HS-DPA Subtest-2	18.65	18.59	18.57	20.00	18.83	18.89	18.98	20.00	22.72	22.74	22.72	24.00		
3GPP Rel 6		HS-DPA Subtest-3	18.08	18.21	17.88	19.50	18.28	18.49	18.28	19.50	22.15	22.21	22.15	23.50		
3GPP Rel 6		HS-DPA Subtest-4	17.98	18.20	18.13	19.50	18.35	18.41	18.40	19.50	22.09	22.18	22.18	23.50		
3GPP Rel 8		DC-HSDPA Subtest-1	18.40	18.48	18.54	20.00	18.70	18.81	18.68	20.00	22.46	22.56	22.47	24.00		
3GPP Rel 8		DC-HSDPA Subtest-2	18.85	18.59	18.60	20.00	18.80	18.83	18.90	20.00	22.72	22.82	22.72	24.00		
3GPP Rel 8		DC-HSDPA Subtest-3	17.98	18.04	17.85	19.50	18.33	18.42	18.30	19.50	21.98	22.05	21.98	23.50		
3GPP Rel 8		DC-HSDPA Subtest-4	17.90	18.07	18.00	19.50	18.39	18.23	18.40	19.50	22.06	22.03	22.15	23.50		
3GPP Rel 6		HS-UPA Subtest-1	17.83	17.65	17.48	19.00	17.13	17.15	17.16	18.00	20.67	20.68	20.62	22.00		
3GPP Rel 6		HS-UPA Subtest-2	17.46	17.57	17.63	19.00	17.06	16.98	17.00	18.00	20.65	20.72	20.67	22.00		
3GPP Rel 6		HS-UPA Subtest-3	18.62	18.67	18.64	20.00	18.11	18.05	18.03	19.00	21.75	21.75	21.60	23.00		
3GPP Rel 6		HS-UPA Subtest-4	17.10	17.20	17.12	18.50	16.72	16.72	16.60	17.50	20.34	20.35	20.20	22.00		
3GPP Rel 6		HS-UPA Subtest-5	18.58	18.61	18.54	20.00	18.15	18.09	18.00	19.00	21.57	21.70	21.55	23.00		
3GPP Rel 7		HSPA+ (14.4QAM) Subtest-1	18.20	18.32	18.19	19.00	17.13	17.32	17.22	18.00	21.10	21.13	21.05	22.00		

Band		WCDMA I_Ant14			Tune-up		WCDMA I_Ant14			Tune-up		WCDMA V_Ant11			Tune-up	
TX Channel		9262	9400	9538	Limit (dBm)		1312	1413	1513	Limit (dBm)		4132	4182	4233	Limit (dBm)	
Rx Channel		9402	9600	9838			1537	1638	1738			4357	4407	4458		
Frequency (MHz)		1852.4	1880	1907.8			1712.4	1732.6	1752.8			826.4	836.4	846.8		
3GPP Rel 99		AMR 12.2Kbps	20.65	20.62	20.67	22.00	20.41	20.42	20.43	21.50	23.65	23.70	23.66	25.00		
3GPP Rel 99		RMC 12.2Kbps	20.66	20.74	20.70	22.00	20.42	20.50	20.45	21.50	23.66	23.72	23.67	25.00		
3GPP Rel 6		HS-DPA Subtest-1	19.83	19.71	19.74	21.00	19.40	19.40	19.30	20.50	22.83	22.88	22.82	24.00		
3GPP Rel 6		HS-DPA Subtest-2	19.57	19.71	19.61	21.00	19.32	19.39	19.36	20.50	22.50	22.62	22.51	23.50		
3GPP Rel 6		HS-DPA Subtest-3	19.22	19.29	19.22	20.50	18.89	18.90	18.75	20.00	22.16	22.19	22.03	23.00		
3GPP Rel 6		HS-DPA Subtest-4	19.22	19.15	19.15	20.50	18.92	18.95	18.87	20.00	22.04	22.16	22.04	23.50		
3GPP Rel 8		DC-HSDPA Subtest-1	19.55	19.75	19.42	21.00	19.19	19.48	19.15	20.50	22.57	22.65	22.59	24.00		
3GPP Rel 8		DC-HSDPA Subtest-2	19.61	19.63	19.54	21.00	19.17	19.34	19.32	20.50	22.38	22.44	22.39	24.00		
3GPP Rel 8		DC-HSDPA Subtest-3	19.17	19.14	19.06	20.50	18.81	18.93	18.81	20.00	22.04	22.16	21.91	23.50		
3GPP Rel 8		DC-HSDPA Subtest-4	19.21	19.10	19.05	20.50	18.80	18.90	18.76	20.00	22.04	22.08	22.04	23.50		
3GPP Rel 6		HS-UPA Subtest-1	18.66	18.82	18.66	20.00	17.38	17.47	17.35	18.50	20.43	20.62	20.57	22.00		
3GPP Rel 6		HS-UPA Subtest-2	18.72	18.77	18.67	20.00	17.18	17.43	17.30	18.50	20.58	20.59	20.44	22.00		
3GPP Rel 6		HS-UPA Subtest-3	19.82	19.80	19.71	21.00	18.33	18.47	18.39	19.50	21.57	21.67	21.49	23.00		
3GPP Rel 6		HS-UPA Subtest-4	18.22	18.32	18.26	19.50	16.89	16.93	16.97	18.00	20.09	20.14	20.40	22.00		
3GPP Rel 6		HS-UPA Subtest-5	19.74	19.71	19.59	21.00	18.31	18.32	18.22	19.50	21.43	21.60	21.48	23.00		
3GPP Rel 7		HSPA+ (14.4QAM) Subtest-1	19.31	19.32	19.30	20.00	17.65	17.65	17.75	18.50	21.01	21.05	21.10	22.00		

GSM850_Ant11		Burst Average Power (dbm)			Tune-up Limit (dbm)		Frame-Average Power (dbm)			Tune-up Limit (dbm)	
TX Channel		128	189	251	Limit (dbm)		128	189	251	Limit (dbm)	
Frequency (MHz)		834.2	836.4	848.8			834.2	836.4	848.8		
GSM 1 Tx slot		32.08	32.12	32.20	33.50		23.08	23.12	23.20	24.50	
GPRS 1 Tx slot		32.05	32.11	32.15	33.50		23.05	23.11	23.15	24.50	
GPRS 2 Tx slots		30.21	30.27	30.26	31.50		24.21	24.27	24.26	25.50	
GPRS 3 Tx slots		28.09	28.09	28.14	29.50		23.83	23.83	23.88	25.24	
GPRS 4 Tx slots		28.33	28.35	28.45	28.00		23.33	23.35	23.45	25.00	
EDGE 1 Tx slot		26.70	26.72	26.84	28.00		17.70	17.72	17.64	19.00	
EDGE 2 Tx slots		24.34	24.42	24.33	25.70		18.34	18.42	18.33	19.70	
EDGE 3 Tx slots		22.15	22.21	22.16	23.50		17.89	17.95	17.90	19.24	
EDGE 4 Tx slots		20.34	20.33	20.25	21.70		17.34	17.33	17.25	18.70	



Band 2_Ant14										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freqs 18700	Power Ch / Freqs 18800	Power Ch / Freqs 19100	Turn-up rate (dB)	MFR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	20.05	20.14	20.04			21.5	0
20	QPSK	1	48	20.22	20.33	20.13				
20	QPSK	1	96	20.16	20.18	19.97			21.5	0
20	QPSK	50	0	20.17	20.19	19.98				
20	QPSK	50	50	20.15	20.16	20.00			21.5	0
20	QPSK	100	0	20.12	20.15	20.02				
20	16QAM	1	0	20.06	20.12	20.05			21.5	0
20	16QAM	1	48	20.08	20.20	20.00				
20	16QAM	1	96	20.06	20.10	20.09			21.5	0
20	16QAM	50	0	20.04	20.20	20.04				
20	16QAM	50	24	20.06	20.13	20.01			21.5	0
20	16QAM	50	50	20.15	20.17	20.09				
20	16QAM	100	0	20.10	20.13	20.01			21.5	0
20	16QAM	1	0	20.17	20.11	20.00				
20	16QAM	1	48	20.09	20.20	20.06			21.5	0
20	16QAM	1	96	20.05	20.17	19.99				
20	16QAM	50	0	19.93	19.97	19.99			20.5	1
20	16QAM	50	24	19.92	19.90	19.91				
20	16QAM	50	50	19.95	19.88	19.94			20.5	1
20	16QAM	100	0	19.93	19.86	19.92				
Channel				1867.5	1880	1902.5	Turn-up rate (dB)	MFR (dB)		
15	QPSK	1	0	20.17	20.22	20.07			21.5	0
15	QPSK	1	32	20.11	20.16	20.03				
15	QPSK	1	64	20.08	20.14	19.98			21.5	0
15	QPSK	36	20	20.01	20.07	19.93				
15	QPSK	36	39	20.00	20.18	19.97			21.5	0
15	QPSK	75	0	20.07	20.18	19.97				
15	16QAM	1	0	20.03	20.08	19.95			21.5	0
15	16QAM	1	32	20.06	20.12	20.01				
15	16QAM	1	64	20.07	20.07	19.90			21.5	0
15	16QAM	36	20	20.12	20.08	19.88				
15	16QAM	36	39	20.08	20.12	20.03			21.5	0
15	16QAM	75	0	20.05	20.15	20.04				
15	16QAM	1	0	20.08	20.16	20.02			21.5	0
15	16QAM	1	32	20.04	20.16	20.02				
15	16QAM	1	64	19.93	19.96	19.95			20.5	1
15	16QAM	36	20	19.87	19.82	19.83				
15	16QAM	36	39	19.83	19.89	19.84			20.5	1
15	16QAM	75	0	19.86	19.82	19.79				
15	16QAM	75	0	19.88	19.90	19.77			Turn-up rate (dB)	MFR (dB)
Channel				18650	18650	19150	Turn-up rate (dB)	MFR (dB)		
10	QPSK	1	0	20.00	20.14	20.05			21.5	0
10	QPSK	1	25	20.05	20.12	20.00				
10	QPSK	1	49	20.10	20.16	20.03			21.5	0
10	QPSK	25	0	19.99	20.18	19.92				
10	QPSK	25	0	20.00	20.18	19.95			21.5	0
10	QPSK	25	25	20.01	20.13	19.92				
10	QPSK	50	0	20.09	20.14	20.05			21.5	0
10	16QAM	1	0	19.99	20.11	20.02				
10	16QAM	1	25	20.07	20.10	19.97			21.5	0
10	16QAM	1	49	20.06	20.09	20.01				
10	16QAM	25	0	20.09	20.15	19.98			21.5	0
10	16QAM	25	0	20.07	20.16	19.97				
10	16QAM	25	25	20.07	20.13	20.05			21.5	0
10	16QAM	50	0	20.05	20.10	19.92				
10	16QAM	1	0	20.08	20.14	20.00			21.5	0
10	16QAM	1	25	20.08	20.18	19.99				
10	16QAM	1	49	20.12	20.14	20.04			20.5	1
10	16QAM	25	0	19.85	19.83	19.78				
10	16QAM	25	0	19.86	19.88	19.83			20.5	1
10	16QAM	25	25	19.87	19.90	19.86				
10	16QAM	50	0	19.85	19.86	19.79			Turn-up rate (dB)	MFR (dB)
Channel				1862.5	18650	19175	Turn-up rate (dB)	MFR (dB)		
5	QPSK	1	0	20.02	20.11	19.96			21.5	0
5	QPSK	1	12	20.04	20.08	19.97				
5	QPSK	1	24	20.07	20.14	19.98			21.5	0
5	QPSK	12	0	20.00	20.18	19.94				
5	QPSK	12	7	20.02	20.14	20.04			21.5	0
5	QPSK	12	13	20.09	20.17	20.02				
5	QPSK	25	0	20.03	20.16	19.96			21.5	0
5	QPSK	25	0	20.12	20.16	19.99				
5	16QAM	1	0	20.00	20.09	19.92			21.5	0
5	16QAM	1	24	20.02	20.12	20.02				
5	16QAM	1	49	20.07	20.15	19.97			21.5	0
5	16QAM	12	7	20.07	20.15	19.97				
5	16QAM	12	13	20.05	20.18	19.92			21.5	0
5	16QAM	25	0	20.02	20.08	19.92				
5	16QAM	25	0	20.07	20.10	19.95			21.5	0
5	16QAM	1	0	20.01	20.07	20.01				
5	16QAM	1	24	20.11	20.12	20.02			21.5	0
5	16QAM	1	49	20.06	20.16	19.95				
5	16QAM	12	7	19.97	19.93	19.87			20.5	1
5	16QAM	12	13	19.98	19.95	19.88				
5	16QAM	25	0	19.85	19.83	19.85			20.5	1
5	16QAM	25	0	19.86	19.88	19.83				
Channel				1861.5	1880	1908.5	Turn-up rate (dB)	MFR (dB)		
3	QPSK	1	0	20.03	20.12	20.00			21.5	0
3	QPSK	1	8	20.04	20.10	19.92				
3	QPSK	1	14	20.08	20.08	19.94			21.5	0
3	QPSK	8	0	20.02	20.05	20.04				
3	QPSK	8	4	20.10	20.09	20.02			21.5	0
3	QPSK	15	0	20.12	20.09	20.05				
3	16QAM	1	0	20.00	20.15	19.97			21.5	0
3	16QAM	1	8	19.96	20.12	19.92				
3	16QAM	1	14	20.00	20.18	19.95			21.5	0
3	16QAM	8	0	20.10	20.11	19.92				
3	16QAM	8	4	20.02	20.14	19.97			21.5	0
3	16QAM	8	7	19.98	20.07	19.93				
3	16QAM	15	0	20.00	20.09	20.04			21.5	0
3	16QAM	1	0	20.06	20.10	20.06				
3	16QAM	1	8	20.12	20.16	19.98			21.5	0
3	16QAM	1	14	20.05	20.11	20.02				
3	16QAM	8	0	19.88	19.90	19.82			20.5	1
3	16QAM	8	4	19.90	19.94	19.92				
3	16QAM	7	7	19.86	19.84	19.80			20.5	1
3	16QAM	15	0	19.89	19.83	19.80				
Channel				18607	18600	19093	Turn-up rate (dB)	MFR (dB)		
1.4	QPSK	1	0	20.10	20.05	19.92			21.5	0
1.4	QPSK	1	5	20.08	20.18	19.94				
1.4	QPSK	1	5	20.08	20.08	19.92			21.5	0
1.4	QPSK	3	0	20.02	20.17	20.05				
1.4	QPSK	3	1	20.08	20.18	19.94			21.5	0
1.4	QPSK	3	3	19.98	20.12	19.93				
1.4	QPSK	6	0	20.06	20.14	20.01			21.5	0
1.4	QPSK	6	0	20.09	20.18	20.01				
1.4	16QAM	1	0	20.11	20.14	19.97			21.5	0
1.4	16QAM	1	5	20.08	20.12	19.93				
1.4	16QAM	3	0	20.03	20.18	19.97			21.5	0
1.4	16QAM	3	1	20.08	20.18	19.99				
1.4	16QAM	3	3	20.11	20.18	20.03			21.5	0
1.4	16QAM	6	0	20.04	20.07	19.95				
1.4	16QAM	1	0	20.02	20.05	19.92			21.5	0
1.4	16QAM	1	5	20.11	20.18	20.03				
1.4	16QAM	3	0	20.10	20.20	20.03			21.5	0
1.4	16QAM	3	1	20.06	20.16	20.01				
1.4	16QAM	3	3	20.11	20.12	20.01			21.5	0
1.4	16QAM	6	0	20.06	20.14	20.01				
1.4	16QAM	1	0	20.09	20.18	19.97			20.5	1
1.4	16QAM	1	5	20.08	20.18	19.97				
1.4	16QAM	3	0	19.96	19.94	19.87			20.5	1
1.4	16QAM	3	1	19.98	19.94	19.87				



Band 5_Ant11										
BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch / Freq	Power Mnch Ch / Freq	Power Pnch Ch / Freq	Time-out Time (min)	MFR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.37	23.32	23.32			24.8	0
10	QPSK	1	25	23.51	23.36	23.49				
10	QPSK	1	49	23.66	23.47	23.51				
10	QPSK	25	0	22.47	22.38	22.44			23.8	1
10	QPSK	25	12	22.48	22.50	22.53				
10	QPSK	25	25	22.41	22.52	22.49				
10	QPSK	50	0	22.51	22.50	22.51			23.8	1
10	16QAM	1	0	22.76	22.84	22.71				
10	16QAM	1	25	22.72	22.72	22.68				
10	16QAM	1	49	22.74	22.68	22.70			22.8	2
10	16QAM	25	0	21.49	21.53	21.52				
10	16QAM	25	12	21.49	21.54	21.52				
10	16QAM	25	25	21.44	21.61	21.53			22.8	2
10	16QAM	50	0	21.43	21.51	21.53				
10	16QAM	1	0	21.33	21.46	21.31				
10	16QAM	1	25	21.36	21.79	21.78			21.8	3
10	16QAM	1	49	21.28	21.80	21.83				
10	16QAM	25	0	20.70	20.81	20.50				
10	16QAM	25	12	20.62	20.80	20.87			21.8	3
10	16QAM	25	25	20.51	20.71	20.81				
10	16QAM	50	0	20.63	20.71	20.84				
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.37	23.36	23.39			24.8	0
5	QPSK	1	12	23.32	23.40	23.39				
5	QPSK	1	24	23.38	23.35	23.35				
5	QPSK	12	0	22.34	22.41	22.51			23.8	1
5	QPSK	12	7	22.25	22.38	22.40				
5	QPSK	12	13	22.31	22.36	22.41				
5	QPSK	25	0	22.37	22.38	22.38			23.8	1
5	16QAM	1	0	22.79	22.74	22.86				
5	16QAM	1	12	22.69	22.80	22.72				
5	16QAM	1	24	21.36	21.38	21.38			22.8	2
5	16QAM	12	0	21.27	21.38	21.50				
5	16QAM	12	7	21.34	21.31	21.39				
5	16QAM	12	13	21.41	21.47	21.48			22.8	2
5	16QAM	25	0	21.23	21.31	21.39				
5	16QAM	1	0	21.11	21.43	21.41				
5	16QAM	1	12	21.48	21.60	21.71			21.8	3
5	16QAM	1	24	21.45	21.63	21.63				
5	16QAM	12	0	20.45	20.84	20.79				
5	16QAM	12	7	20.53	20.55	20.53			21.8	3
5	16QAM	12	13	20.52	20.55	20.55				
5	16QAM	25	0	20.42	20.54	20.50				
Channel										
Frequency (MHz)										
3	QPSK	1	0	23.37	23.36	23.42			24.8	0
3	QPSK	1	8	23.27	23.36	23.31				
3	QPSK	1	14	23.38	23.34	23.38				
3	QPSK	8	0	22.32	22.38	22.45			23.8	1
3	QPSK	8	4	22.29	22.42	22.41				
3	QPSK	8	7	22.28	22.41	22.45				
3	QPSK	16	0	22.29	22.33	22.44			23.8	1
3	16QAM	1	0	22.72	22.41	22.89				
3	16QAM	1	8	22.41	22.71	22.49				
3	16QAM	1	14	22.63	22.84	22.42			22.8	2
3	16QAM	8	0	21.38	21.29	21.51				
3	16QAM	8	4	21.40	21.47	21.48				
3	16QAM	8	7	21.34	21.50	21.48			22.8	2
3	16QAM	16	0	21.29	21.26	21.39				
3	16QAM	1	0	21.12	21.36	21.68				
3	16QAM	1	8	21.31	21.62	21.63			22.8	2
3	16QAM	1	14	21.29	21.61	21.27				
3	16QAM	8	0	20.44	20.44	20.58				
3	16QAM	8	4	20.45	20.57	20.59			21.8	3
3	16QAM	8	7	20.50	20.67	20.63				
3	16QAM	16	0	20.42	20.53	20.63				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	23.21	23.37	23.38			24.8	0
1.4	QPSK	1	5	23.22	23.35	23.32				
1.4	QPSK	1	5	23.26	23.32	23.31				
1.4	QPSK	3	0	22.40	22.32	22.37			23.8	1
1.4	QPSK	3	1	22.39	22.31	22.33				
1.4	QPSK	3	3	22.39	22.09	22.24				
1.4	QPSK	6	0	22.28	22.22	22.24			23.8	1
1.4	QPSK	6	0	22.48	22.51	22.57				
1.4	16QAM	1	3	22.59	22.55	22.56				
1.4	16QAM	1	5	22.67	22.53	22.45			23.8	1
1.4	16QAM	3	0	22.31	22.36	22.36				
1.4	16QAM	3	1	22.31	22.56	22.33				
1.4	16QAM	3	3	22.33	22.15	22.13			22.8	2
1.4	16QAM	6	0	21.27	21.36	21.39				
1.4	16QAM	6	0	21.51	21.39	21.45				
1.4	16QAM	1	3	21.48	20.36	21.15			22.8	2
1.4	16QAM	1	5	21.57	21.19	21.18				
1.4	16QAM	3	0	21.33	21.33	21.38				
1.4	16QAM	3	1	21.59	21.33	21.43			21.8	3
1.4	16QAM	3	3	21.40	21.34	21.30				
1.4	16QAM	6	0	20.38	20.33	20.33				

Band 5_Ant41												
BW (MHz)	Modulation	RB Size	RB Offset	Power Lvl Ch / Freq	Power Mnch Ch / Freq	Power Pnch Ch / Freq	Time-out Time (min)	MFR (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	23.40	23.65	23.54			24.8	0		
10	QPSK	1	25	23.57	23.67	23.56						
10	QPSK	1	49	23.48	23.68	23.59						
10	QPSK	25	0	22.52	22.51	22.52			23.8	1		
10	QPSK	25	12	22.5	22.51	22.58						
10	QPSK	25	25	22.49	22.55	22.57						
10	16QAM	1	0	22.84	22.88	22.81			23.8	1		
10	16QAM	1	25	22.68	22.69	22.6						
10	16QAM	1	49	22.79	22.51	22.98						
10	16QAM	25	0	21.52	21.52	21.45			22.8	2		
10	16QAM	25	12	21.48	21.47	21.56						
10	16QAM	25	25	21.48	21.58	21.55						
10	16QAM	50	0	21.54	21.69	21.53			22.8	2		
10	16QAM	1	0	21.37	21.68	21.82						
10	16QAM	1	25	21.64	21.75	21.36						
10	16QAM	1	49	21.49	21.5	21.58			21.8	3		
10	16QAM	25	0	20.8	20.7	20.8						
10	16QAM	25	12	20.87	20.7	20.8						
10	16QAM	25	25	20.63	20.79	20.71			21.8	3		
10	16QAM	50	0	20.81	20.7	20.71						
Channel												
Frequency (MHz)												
5	QPSK	1	0	23.35	23.68	23.41			24.8	0		
5	QPSK	1	12	23.53	23.64	23.43						
5	QPSK	1	24	23.60	23.46	23.45						
5	QPSK	12	0	22.33	22.39	22.51			23.8	1		
5	QPSK	12	7	22.27	22.38	22.45						
5	QPSK	12	13	22.35	22.36	22.41						
5	QPSK	25	0	22.31	22.40	22.40			22.8	2		
5	16QAM	1	0	22.73	22.50	22.32						
5	16QAM	1	12	22.84	22.88	22.75						
5	16QAM	1	24	21.34	21.45	21.49			22.8	2		
5	16QAM	12	0	21.31	21.49	21.52						
5	16QAM	12	7	21.19	21.33	21.53						
5	16QAM	1	12	21.31	21.37	21.31			22.8	2		
5	16QAM	25	0	21.25	21.45	21.43						
5	16QAM	1	0	21.31	21.38	21.69						
5	16QAM	1	12	21.68	21.48	21.59			21.8	3		
5	16QAM	1	24	21.34	21.45	21.49						
5	16QAM	12	0	20.47	20.81	20.75						
5	16QAM	12	7	20.46	20.54	20.54			21.8	3		
5	16QAM	12	13	20.53	20.53	20.53						
5	16QAM	25	0	20.48	20.51	20.58						
Channel												
Frequency (MHz)												
3	QPSK	1	0	22.5.5	22.6.5	22.6.5			24.8	0		
3	QPSK	1	8	22.59	22.53	22.54						
3	QPSK	1	14	22.52	22.58	22.41						
3	QPSK	8	0	22.34	22.34	22.40			23.8	1		
3	QPSK	8	8	22.32	22.32	22.32						
3	QPSK	8	7	22.33	22.40	22.40						
3	QPSK	16	0	22.28	22.38	22.45			23.8	1		
3	QPSK	16	8	22.33	22.79	22.32						
3	QPSK	16	8	22.45	22.59	22.59						
3	16QAM	1	8	22.45	22.59	22.59			23.8	1		
3	16QAM	1	14	22.65	22.72	22.72						
3	16QAM	8	0	21.41	21.36	21.53						
3	16QAM	8	8	21.42	21.38	21.38			22.8	2		
3	16QAM	8	7	21.2	21.44	21.43						
3	16QAM	16	0	21.35	21.48	21.36						
3	16QAM	16	8	21.35	21.48	21.36			22.8	2		
3	16QAM	1	8	21.48	21.62	21.61						
3	16QAM	1	14	21.38	21.61	21.57						
3	16QAM	8	0	20.87	20.87	20.87			21.8	3		
3	16QAM	8	8	20.83	20.45	20.61						
3	16QAM	8	7	20.62	20.47	20.58						
3	16QAM	16	0	20.33	20.47	20.65			21.8	3		
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	23.33	23.48	23.43					24.8	0
1.4	QPSK	1	1	23.42	23.55	23.44						
1.4	QPSK	1	2	23.52	23.35	23.42						
1.4	QPSK	3	0	23.31	23.45	23.45			23.8	1		
1.4	QPSK	3	1	23.33	23.33	23.31						
1.4	QPSK	3	2	23.26	23.41	23.45						
1.4	QPSK	3	3	23.27	23.37	23.42			23.8	1		
1.4	16QAM	1	0	22.51	22.70	22.70						
1.4	16QAM	1	1	22.51	22.25	22.49						
1.4	16QAM	3	0	22.54	22.40	22.42			23.8	1		
1.4	16QAM	3	2	22.37	22.24	22.45						
1.4	16QAM	3	1	22.41	22.45	22.48						
1.4	16QAM	6	0	22.34	21.48	21.76			22.8	2		
1.4	16QAM	6	1	21.45	21.61	21.23						
1.4	16QAM	6	2	21.17	21.66	21.38						
1.4	16QAM	6	3	21.28	21.58	21.32			22.8	2		
1.4	16QAM	3	0	21.45	21.50	21.78						
1.4	16QAM	3	1	21.55	21.58	21.57						
1.4	16QAM	6	0	21.42	21.42	21.42			21.8	3		
1.4	16QAM	6	1	20.41	20.54	20.52						
1.4	16QAM	6	2	20.41	20.54	20.52						

Band 12_Ant11																
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Turn-up time (s/min)	MPR (dB)								
Channel																
Frequency (MHz)																
10	QPSK	1	0	23.78	23.57	23.83	25	0								
10	QPSK	1	25	23.85	23.86	23.75										
10	QPSK	1	49	23.83	23.80	23.84										
10	QPSK	25	0	22.60	22.74	22.81	24	1								
10	QPSK	25	12	22.67	22.86	22.65										
10	QPSK	25	25	22.64	22.67	22.64										
10	QPSK	50	0	22.68	22.72	22.64	24	1								
10	HQAM	1	0	22.65	22.69	22.64										
10	HQAM	1	25	22.77	22.84	22.69										
10	HQAM	1	49	22.52	22.68	22.83	23	2								
10	HQAM	25	0	21.75	21.83	21.80										
10	HQAM	25	12	21.89	21.92	21.85										
10	HQAM	25	25	21.89	21.81	21.94	23	2								
10	HQAM	50	0	21.89	21.79	21.94										
10	HQAM	1	0	21.85	22.05	21.95										
10	HQAM	1	25	22.13	22.07	21.96	22	3								
10	HQAM	1	49	22.13	21.95	21.99										
10	HQAM	25	0	20.74	20.80	20.70										
10	HQAM	25	12	20.83	20.80	20.87	22	3								
10	HQAM	25	25	20.77	20.80	20.83										
10	HQAM	50	0	20.78	20.80	20.83										
Channel																
Frequency (MHz)																
5	QPSK	1	0	23.57	23.75	23.69	25	0								
5	QPSK	1	12	23.67	23.67	23.67										
5	QPSK	1	24	23.71	23.72	23.85										
5	QPSK	12	0	22.61	22.62	22.72	24	1								
5	QPSK	12	7	22.66	22.64	22.68										
5	QPSK	12	13	22.70	22.66	22.66										
5	QPSK	25	0	22.69	22.61	22.68	24	1								
5	HQAM	1	0	22.61	22.74	22.56										
5	HQAM	1	12	22.14	22.56	22.46										
5	HQAM	1	24	22.10	22.59	22.68	23	2								
5	HQAM	12	0	21.89	21.86	21.77										
5	HQAM	12	7	21.79	21.91	21.84										
5	HQAM	25	0	21.87	21.82	21.93	23	2								
5	HQAM	1	0	21.83	21.83	21.88										
5	HQAM	1	12	21.92	21.91	22.10										
5	HQAM	12	0	20.82	20.85	20.85	22	3								
5	HQAM	12	7	20.92	20.90	20.85										
5	HQAM	25	0	20.89	20.83	20.83										
Channel																
Frequency (MHz)																
3	QPSK	1	0	23.67	23.59	23.73	25	0								
3	QPSK	1	5	23.79	23.76	23.77										
3	QPSK	1	14	23.73	23.68	23.74										
3	QPSK	3	0	23.56	23.68	23.74	24	1								
3	QPSK	3	3	23.63	23.61	23.70										
3	QPSK	3	7	23.66	23.63	23.69										
3	QPSK	15	0	22.60	22.60	22.68	24	1								
3	QPSK	15	5	22.66	22.62	22.61										
3	QPSK	15	10	22.61	22.61	22.61										
3	HQAM	1	0	23.02	23.05	23.08	24	1								
3	HQAM	1	14	22.59	22.81	23.11										
3	HQAM	1	28	22.59	22.81	23.08										
3	HQAM	3	0	21.90	21.89	21.90	23	2								
3	HQAM	3	7	21.96	21.88	21.95										
3	HQAM	15	0	21.86	21.77	21.89										
3	HQAM	15	5	21.90	21.86	21.86	23	2								
3	HQAM	15	10	21.86	21.86	21.86										
3	HQAM	1	0	22.01	22.03	22.17										
3	HQAM	1	14	21.91	21.90	21.98	23	2								
3	HQAM	1	28	21.91	21.90	21.98										
3	HQAM	3	0	20.85	20.80	20.85										
3	HQAM	3	7	20.93	20.90	20.92	22	3								
3	HQAM	15	0	20.76	20.68	20.76										
3	HQAM	15	5	20.76	20.68	20.76										
Channel																
Frequency (MHz)																
1.4	QPSK	1	0	23.67	23.59	23.73	25	0								
1.4	QPSK	1	5	23.79	23.76	23.77										
1.4	QPSK	1	5	23.63	23.55	23.81										
1.4	QPSK	3	0	23.54	23.68	23.62	24	1								
1.4	QPSK	3	3	23.64	23.68	23.72										
1.4	QPSK	3	3	23.72	23.71	23.71										
1.4	QPSK	0	0	22.63	22.64	22.67	24	1								
1.4	HQAM	1	0	22.97	22.92	23.12										
1.4	HQAM	1	3	22.86	22.73	22.86										
1.4	HQAM	1	5	23.01	22.89	22.83	24	1								
1.4	HQAM	3	0	22.60	22.72	22.77										
1.4	HQAM	3	1	22.61	22.69	22.61										
1.4	HQAM	3	3	22.63	22.59	22.83	23	2								
1.4	HQAM	5	0	21.81	21.90	22.11										
1.4	HQAM	5	0	22.06	22.08	22.21										
1.4	HQAM	1	3	22.12	22.15	21.86	23	2								
1.4	HQAM	1	5	21.90	21.79	21.72										
1.4	HQAM	3	0	21.95	22.05	21.68										
1.4	HQAM	3	1	22.05	21.93	22.09	23	2								
1.4	HQAM	3	3	22.07	22.05	22.08										
1.4	HQAM	5	0	20.72	20.94	20.85										

Band 12_Ant41											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Turn-up time (s/min)	MPR (dB)			
Channel											
Frequency (MHz)											
10	QPSK	1	0	23.70	23.70	23.80	25	0			
10	QPSK	1	25	23.86	23.89	23.85					
10	QPSK	1	49	23.81	23.79	23.71					
10	QPSK	25	0	22.68	22.73	22.67	24	1			
10	QPSK	25	12	22.68	22.73	22.67					
10	QPSK	25	25	22.70	22.69	22.64					
10	HQAM	1	0	22.90	22.58	22.58	24	1			
10	HQAM	1	25	22.75	22.91	22.77					
10	HQAM	1	49	22.61	22.20	22.34					
10	HQAM	25	0	21.83	21.80	21.84	23	2			
10	HQAM	25	12	21.88	21.90	21.82					
10	HQAM	25	25	21.62	21.82	21.86					
10	HQAM	50	0	21.62	21.82	21.89	23	2			
10	HQAM	1	0	21.80	22.07	22.20					
10	HQAM	1	25	22.22	21.97	21.79					
10	HQAM	1	49	21.90	21.81	21.99	23	2			
10	HQAM	25	0	20.88	20.86	21.00					
10	HQAM	25	12	20.91	20.92	20.83					
10	HQAM	25	25	20.81	20.77	20.89	22	3			
10	HQAM	50	0	20.86	20.94	20.92					
Channel											
Frequency (MHz)											
5	QPSK	1	0	23.62	23.62	23.80	25	0			
5	QPSK	1	12	23.68	23.70	23.78					
5	QPSK	1	24	23.67	23.70	23.82					
5	QPSK	12	0	22.62	22.68	22.86	24	1			
5	QPSK	12	7	22.63	22.65	22.71					
5	QPSK	12	13	22.68	22.63	22.66					
5	QPSK	25	0	22.68	22.69	22.69	24	1			
5	HQAM	1	0	22.68	22.73	23.00					
5	HQAM	1	12	22.69	22.80	22.67					
5	HQAM	1	24	22.63	22.95	22.90	23	2			
5	HQAM	12	0	21.75	21.87	21.85					
5	HQAM	12	7	21.80	21.88	21.93					
5	HQAM	12	13	21.66	21.83	22.06	23	2			
5	HQAM	25	0	21.82	21.77	21.81					
5	HQAM	1	0	22.04	22.1	22.25	23	2			
5	HQAM	1	12	22.07	22.15	22.23					
5	HQAM	1	24	21.97	21.91	22.00					
5	HQAM	12	0	20.76	20.87	20.88	22	3			
5	HQAM	12	7	20.87	20.98	20.98					
5	HQAM	12	13	20.82	20.95	20.96					
5	HQAM	25	0	20.84	20.90	20.90	22	3			
5	HQAM	25	12	20.85	20.91	20.91					
5	HQAM	25	25	20.85	20.91	20.91					
Channel											
Frequency (MHz)											
3	QPSK	1	0	23.59	23.54	23.76	25	0			
3	QPSK	1	8	23.66	23.62	23.72					
3	QPSK	1	14	23.64	23.55	23.73					
3	QPSK	8	0	22.63	22.65	22.76	24	1			
3	QPSK	8	8	22.64	22.64	22.72					
3	QPSK	8	7	22.63	22.62	22.71					
3	QPSK	15	0	22.59	22.61	22.62	24	1			
3	QPSK	15	7	22.57	22.62	22.67					
3	HQAM	1	8	23.14	23.49	23.83					
3	HQAM	1	14	22.68	23.02	23.67	23	2			
3	HQAM	8	0	21.87	21.87	21.87					
3	HQAM	8	7	21.89	21.89	21.89					
3	HQAM	8	7	21.86	21.84	21.86	22	3			
3	HQAM	15	0	21.77	21.87	21.78					
3	HQAM	15	7	22.04	22.04	22.04					
3	HQAM	1	8	21.80	22.05	22.11	23	2			
3	HQAM	1	14	21.66	21.85	22.17					
3	HQAM	8	0	20.76	20.76	20.76					
3	HQAM	8	7	20.86	20.86	20.86	22	3			
3	HQAM	8	7	20.87	20.87	20.87					
3	HQAM	15	0	20.83	20.74	20.91					
Channel											
Frequency (MHz)											
1.4	QPSK	1	0	23.67	23.57	23.63	25	0			
1.4	QPSK	1	8	23.54	23.68	23.71					
1.4	QPSK	1	14	23.59	23.59	23.70					
1.4	QPSK	3	0	23.62	23.74	23.67	24	1			
1.4	QPSK	3	1	23.70	23.54	23.67					
1.4	QPSK	3	1	23.65	23.70	23.70					
1.4	QPSK	6	0	22.63	22.63	22.75	24	1			
1.4	HQAM	1	0	23.06	23.04	22.67					
1.4	HQAM	1	8	23.12	22.98	22.62					
1.4	HQAM	1	14	23.05	22.79	22.68	23	2			
1.4	HQAM	3	0	22.70	22.65	22.72					
1.4	HQAM	3	1	22.67	22.64	22.72					
1.4	HQAM	6	0	21.84	21.85	21.81	23	2			
1.4	HQAM	6	0	22.06	21.90	21.92					
1.4	HQAM	1	8	22.10	22.11	21.89					
1.4	HQAM	1	14	22.09	21.84	21.90	22	2			
1.4	HQAM	3	0	21.87	21.80	21.62					
1.4	HQAM	3	1	21.89	22.00	21.72					
1.4	HQAM	6	0	21.83	21.89	21.89	22	3			
1.4	HQAM	6	0	22.05	22.08	21.85					
1.4	HQAM	6	0	22.05	22.08	21.85					

Band 17_Ant11																	
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq.	Power Main Ch./F.Freq.	Power High Ch./F.Freq.	Tune-up int. (dBm)	MPR (dB)									
Channel				23760	23790	23800											
Frequency (MHz)																	
10	QPSK	1	0	23.63	23.71	23.84	25	0									
10	QPSK	1	25	23.71	23.75	23.72											
10	QPSK	1	49	23.68	23.49	23.67											
10	QPSK	25	0	22.64	22.68	22.66											
10	QPSK	25	12	22.61	22.61	22.67	24	1									
10	QPSK	25	25	22.68	22.67	22.63											
10	QPSK	36	0	22.68	22.71	22.69											
10	QPSK	36	12	22.66	22.67	22.63											
10	16QAM	1	0	22.66	22.61	22.61	24	1									
10	16QAM	1	25	22.64	22.68	22.48											
10	16QAM	1	49	22.65	22.60	22.62											
10	16QAM	25	0	21.62	21.77	21.62											
10	16QAM	25	12	21.67	21.66	21.80	23	2									
10	16QAM	25	25	21.66	21.66	21.85											
10	16QAM	50	0	21.60	21.62	21.67											
10	16QAM	1	0	21.59	21.67	21.75											
10	16QAM	1	25	21.70	22.17	22.17	23	2									
10	16QAM	1	49	21.51	21.50	22.18											
10	16QAM	25	0	20.78	20.89	20.90											
10	16QAM	25	12	20.51	20.77	20.82											
10	16QAM	25	25	20.67	20.92	20.75	22	3									
10	16QAM	50	0	20.66	20.52	20.86											
Channel				23760	23790	23800											
Frequency (MHz)																	
5	QPSK	1	0	23.61	23.64	23.67	25	0									
5	QPSK	1	12	23.44	23.67	23.69											
5	QPSK	1	24	23.60	23.64	23.63											
5	QPSK	12	7	22.56	22.58	22.60											
5	QPSK	12	13	22.57	22.52	22.52	24	1									
5	QPSK	25	0	22.57	22.54	22.53											
5	16QAM	1	0	22.52	22.66	22.53											
5	16QAM	1	12	22.71	22.56	22.75											
5	16QAM	1	24	22.63	22.49	22.57	24	1									
5	16QAM	12	0	21.72	21.75	21.76											
5	16QAM	12	7	21.69	21.74	21.71											
5	16QAM	25	0	21.75	21.79	21.71											
5	16QAM	1	0	21.63	21.74	21.62	23	2									
5	16QAM	1	12	21.68	22.00	22.16											
5	16QAM	1	24	21.62	22.02	22.09											
5	16QAM	12	0	20.69	20.50	20.84											
5	16QAM	12	7	20.72	20.86	20.84	22	3									
5	16QAM	12	13	20.72	20.79	20.68											
5	16QAM	25	0	20.74	20.77	20.68											
5	16QAM	25	12	20.74	20.77	20.68											

Band 17_Ant41												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq.	Power Main Ch./F.Freq.	Power High Ch./F.Freq.	Tune-up int. (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	23.65	23.60	23.60	25	0				
10	QPSK	1	25	23.58	23.76	23.67						
10	QPSK	1	49	23.69	23.71	23.70						
10	QPSK	25	0	22.64	22.68	22.67						
10	QPSK	25	12	22.62	22.61	22.63	24	1				
10	QPSK	25	25	22.60	22.66	22.66						
10	QPSK	36	0	22.68	22.72	22.67						
10	16QAM	1	0	22.94	23.05	23.05						
10	16QAM	1	25	22.89	23.20	22.96	24	1				
10	16QAM	1	49	22.57	22.65	22.27						
10	16QAM	25	0	21.62	21.67	21.65						
10	16QAM	25	12	21.78	21.84	21.89						
10	16QAM	25	25	21.63	21.79	21.91	23	2				
10	16QAM	50	0	21.77	21.78	21.85						
10	16QAM	1	0	21.67	21.81	21.88						
10	16QAM	1	25	21.77	21.90	22.09						
10	16QAM	1	49	22.24	21.89	22.00	23	2				
10	16QAM	25	0	20.62	20.77	20.86						
10	16QAM	25	12	20.85	20.81	20.81						
10	16QAM	25	25	20.83	20.81	20.81						
10	16QAM	50	0	20.83	20.81	20.81	22	3				
Channel				23760	23790	23800						
Frequency (MHz)												
5	QPSK	1	0	23.54	23.50	23.56	25	0				
5	QPSK	1	12	23.52	23.65	23.49						
5	QPSK	1	24	23.64	23.59	23.62						
5	QPSK	12	0	22.53	22.58	22.65						
5	QPSK	12	7	22.58	22.52	22.58	24	1				
5	QPSK	12	13	22.49	22.63	22.40						
5	QPSK	25	0	22.65	22.68	22.58						
5	16QAM	1	0	22.62	22.63	22.67						
5	16QAM	1	12	22.63	23.24	22.88	24	1				
5	16QAM	1	24	22.11	22.86	22.21						
5	16QAM	12	0	21.76	21.79	21.96						
5	16QAM	12	7	21.69	21.81	21.81						
5	16QAM	25	0	21.84	21.71	21.83	23	2				
5	16QAM	1	0	21.74	21.71	21.83						
5	16QAM	1	12	21.79	21.89	22.04						
5	16QAM	1	24	20.16	21.83	21.39						
5	16QAM	12	0	20.78	20.72	20.75	22	3				
5	16QAM	12	7	20.68	20.69	20.69						
5	16QAM	12	13	20.73	20.74	20.69						
5	16QAM	25	0	20.77	20.77	20.78						

Band 18_Ant 11																	
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq.	Power Main Ch./F.Freq.	Power High Ch./F.Freq.	Tune-up (dBm)	MPR (dB)									
Channel								23805									
15	QPSK	1	0		23.35			25	0								
15	QPSK	1	37		23.47												
15	QPSK	1	74		23.15												
15	QPSK	36	20		23.35												
15	QPSK	36	20		23.30												
15	QPSK	36	39		23.33			24	1								
15	QPSK	75	0		23.34												
15	QPSK	75	0		23.42												
15	TDMA	1	37		23.83												
15	TDMA	1	74		23.40												
15	TDMA	36	20		23.23			23	2								
15	TDMA	36	20		23.31												
15	TDMA	36	39		23.36												
15	TDMA	75	0		24.26												
15	TDMA	75	0		24.33												
15	QPSK	1	37		23.59			23	2								
15	QPSK	1	74		23.17												
15	QPSK	36	0		23.81												
15	QPSK	36	39		23.48												
15	QPSK	36	39		23.83												
15	QPSK	75	0		23.49			22	3								
Channel												23800		23805			
Frequency (MHz)												820		822.5		825	
10	QPSK	1	0	23.33	23.35	23.42						25	0				
10	QPSK	1	26	23.33	23.41	23.42											
10	QPSK	25	0	23.30	23.45	23.33											
10	QPSK	25	0	22.34	23.21	22.22											
10	QPSK	25	12	22.37	23.32	22.32											
10	QPSK	25	12	22.41	23.37	22.38		24	1								
10	QPSK	25	25	22.41	23.38	22.34											
10	TDMA	1	0	22.68	23.75	22.29											
10	TDMA	1	26	22.41	23.40	22.40											
10	TDMA	1	49	22.71	23.76	22.70											
10	TDMA	25	0	21.33	21.58	21.28		23	2								
10	TDMA	25	12	21.37	21.28	21.48											
10	TDMA	25	25	21.43	21.33	21.40											
10	TDMA	25	37	21.32	21.33	21.33											
10	TDMA	1	0	21.55	21.39	21.55											
10	TDMA	1	26	21.14	21.38	21.48		23	2								
10	TDMA	1	49	21.37	21.56	21.17											
10	TDMA	25	0	20.30	20.34	20.34											
10	TDMA	25	12	20.47	20.47	20.50											
10	TDMA	25	25	20.55	20.52	20.55											
10	TDMA	25	37	20.51	20.47	20.47		Channel									
Frequency (MHz)				817.5		822.5		827.5		Tune-up (dBm)		MPR (dB)					
5	QPSK	1	0	23.41	23.24	23.43		25	0								
5	QPSK	1	26	23.45	23.41	23.45											
5	QPSK	1	24	23.38	23.33	23.44											
5	QPSK	12	0	22.45	22.29	22.42											
5	QPSK	12	7	22.46	22.24	22.31											
5	QPSK	12	12	22.46	22.32	22.37		24	1								
5	QPSK	25	0	22.44	22.31	22.41											
5	TDMA	1	0	22.85	22.37	22.49											
5	TDMA	1	26	22.36	22.31	22.78											
5	TDMA	1	24	22.33	22.40	22.27											
5	TDMA	12	0	21.37	21.29	21.39		23	2								
5	TDMA	12	7	21.46	21.34	21.38											
5	TDMA	12	12	21.37	21.38	21.28											
5	TDMA	25	0	21.42	21.33	21.38											
5	TDMA	25	1	21.58	21.41	21.68											
5	TDMA	1	0	21.53	21.58	21.53		22	3								
5	TDMA	1	24	21.66	21.69	21.41											
5	TDMA	12	0	20.71	20.56	20.69											
5	TDMA	12	7	20.53	20.52	20.64											
5	TDMA	25	0	20.51	20.48	20.51											
5	TDMA	25	0	20.57	20.45	20.53											



Band 19_Ant 11																
BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch./F/Freq.	Power Margin Ch./F/Freq.	Power Slope Ch./F/Freq.	Time-up Int. (dBm)	MFR (dB)								
Channel																
Frequency (MHz)																
15	QPSK	1	0	23.17					24.9	0						
15	QPSK	1	37	23.10												
15	QPSK	1	74	23.22												
15	QPSK	36	0	23.41					23.9	1						
15	QPSK	36	20	23.34												
15	QPSK	36	36	23.40												
15	QPSK	75	0	23.37					23.9	1						
15	HQAM	1	0	22.13												
15	HQAM	1	37	22.32												
15	HQAM	1	74	22.46					22.9	2						
15	HQAM	36	0	21.33												
15	HQAM	36	20	21.35												
15	HQAM	36	36	21.36					22.9	2						
15	HQAM	75	0	21.36												
15	HQAM	1	0	21.26					22.9	2						
15	HQAM	1	37	21.40												
15	HQAM	1	74	21.14												
15	HQAM	36	0	20.36					21.9	3						
15	HQAM	36	20	20.32												
15	HQAM	36	36	20.32												
15	HQAM	75	0	20.30												
Channel																
Frequency (MHz)																
10	QPSK	1	0	23.30	23.37	23.37			24.9	0						
10	QPSK	1	26	23.26	23.31	23.39										
10	QPSK	1	49	23.36	23.31	23.41										
10	QPSK	25	0	22.41	22.37	22.26			23.9	1						
10	QPSK	25	12	22.38	22.38	22.38										
10	QPSK	25	26	22.41	22.44	22.39										
10	QPSK	50	0	22.49	22.44	22.43			23.9	1						
10	HQAM	1	0	22.69	22.22	22.73										
10	HQAM	1	26	22.44	22.48	22.49										
10	HQAM	1	49	22.46	22.53	22.74			22.9	2						
10	HQAM	25	0	21.44	21.40	21.29										
10	HQAM	25	12	21.38	21.28	21.35										
10	HQAM	25	26	21.39	21.42	21.42			22.9	2						
10	HQAM	50	0	21.43	21.33	21.43										
10	HQAM	1	0	21.27	21.33	21.37										
10	HQAM	1	26	21.29	21.62	21.45			21.9	3						
10	HQAM	1	49	21.13	21.37	21.69										
10	HQAM	25	0	20.58	20.52	20.48										
10	HQAM	25	12	20.54	20.57	20.59			21.9	3						
10	HQAM	25	26	20.56	20.56	20.55										
10	HQAM	50	0	20.68	20.64	20.49										
Channel																
Frequency (MHz)																
5	QPSK	1	0	23.43	23.49	23.49			24.9	0						
5	QPSK	1	12	23.49	23.45	23.45										
5	QPSK	1	24	23.41	23.39	23.49										
5	QPSK	12	0	22.38	22.39	22.36			23.9	1						
5	QPSK	12	7	22.35	22.37	22.40										
5	QPSK	12	13	22.37	22.39	22.42										
5	QPSK	25	0	22.35	22.40	22.39			23.9	1						
5	HQAM	1	0	22.09	22.41	22.61										
5	HQAM	1	12	22.07	22.43	22.55										
5	HQAM	1	24	22.17	22.36	22.77			22.9	2						
5	HQAM	12	0	21.33	21.39	21.38										
5	HQAM	12	7	21.32	21.31	21.40										
5	HQAM	12	13	21.29	21.42	21.35			22.9	2						
5	HQAM	25	0	21.33	21.26	21.35										
5	HQAM	1	0	21.17	21.41	21.64										
5	HQAM	1	12	21.47	21.62	21.60			21.9	3						
5	HQAM	1	24	21.39	21.60	21.67										
5	HQAM	12	0	20.62	20.49	20.63										
5	HQAM	12	7	20.51	20.59	20.54			21.9	3						
5	HQAM	12	13	20.50	20.53	20.56										
5	HQAM	25	0	20.55	20.51	20.56										

Band 19_Ant 41										
BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch./F/Freq.	Power Margin Ch./F/Freq.	Power Slope Ch./F/Freq.	Time-up Int. (dBm)	MFR (dB)		
Channel										
Frequency (MHz)										
15	QPSK	1	0	23.18					24.9	
15	QPSK	1	37	23.43						
15	QPSK	1	74	23.16						
15	QPSK	36	0	23.37					23.9	
15	QPSK	36	20	23.34						
15	QPSK	36	36	23.31						
15	QPSK	75	0	23.39					23.9	
15	HQAM	1	0	22.55						
15	HQAM	1	37	22.49						
15	HQAM	1	74	22.68					22.9	
15	HQAM	36	0	21.29						
15	HQAM	36	20	21.42						
15	HQAM	36	36	21.31					22.9	
15	HQAM	75	0	21.38						
15	HQAM	1	0	21.22					22.9	
15	HQAM	1	37	21.46						
15	HQAM	1	74	21.38						
15	HQAM	36	0	20.55					21.9	
15	HQAM	36	20	20.55						
15	HQAM	36	36	20.53						
15	HQAM	75	0	20.49						
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.25	23.32	23.36			24.9	
10	QPSK	1	26	23.38	23.41	23.26				
10	QPSK	1	49	23.19	23.36	23.31				
10	QPSK	25	0	22.24	22.18	22.24			23.9	
10	QPSK	25	12	22.29	22.28	22.29				
10	QPSK	25	26	22.32	22.36	22.35				
10	QPSK	50	0	22.30	22.35	22.28			23.9	
10	HQAM	1	0	22.48	22.66	22.63				
10	HQAM	1	26	22.62	22.76	22.79				
10	HQAM	1	49	22.48	22.13	22.14			22.9	
10	HQAM	25	0	21.24	21.17	21.21				
10	HQAM	25	12	21.19	21.25	21.35				
10	HQAM	25	26	21.26	21.33	21.33			22.9	
10	HQAM	50	0	21.33	21.23	21.24				
10	HQAM	1	0	21.19	21.53	21.55				
10	HQAM	1	26	21.53	21.52	21.32			22.9	
10	HQAM	1	49	21.53	21.55	21.11				
10	HQAM	25	0	20.45	20.43	20.36				
10	HQAM	25	12	20.45	20.50	20.38			21.9	
10	HQAM	25	26	20.52	20.50	20.36				
10	HQAM	50	0	20.58	20.41	20.39				
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.54	23.43	23.46			24.9	
5	QPSK	1	12	23.25	23.39	23.31				
5	QPSK	1	24	23.42	23.38	23.45				
5	QPSK	12	0	22.24	22.23	22.28			23.9	
5	QPSK	12	7	22.26	22.24	22.28				
5	QPSK	12	14	22.25	22.27	22.27				
5	QPSK	25	0	22.18	22.20	22.23			23.9	
5	HQAM	1	0	22.21	22.23	22.23				
5	HQAM	1	12	22.28	22.20	22.23				
5	HQAM	12	0	21.24	21.23	21.26			22.9	
5	HQAM	12	7	21.17	21.24	21.28				
5	HQAM	12	14	21.26	21.32	21.29				
5	HQAM	25	0	21.29	21.26	21.31			22.9	
5	HQAM	1	0	21.47	21.52	21.54				
5	HQAM	1	12	21.20	21.14	21.16				
5	HQAM	12	0	20.51	20.58	20.50			21.9	
5	HQAM	12	7	20.53	20.41	20.55				
5	HQAM	12	14	20.57	20.47	20.45				
5	HQAM	25	0	20.51	20.43	20.38				

Band 66_Ant14											
NR (MHz)	Modulation	RB Size	RB Offset	Power Level Ch / Freq	Power Margin Ch / Freq	Power Margin Ch / Freq	Time-up limit (dBm)	MPR (dB)			
Channel				133072	133072	133072					
Frequency (MHz)				1725	1745	1775					
20	QPSK	1	0	20.78	20.78	20.78	22	0	21	0	
20	QPSK	1	49	20.68	20.91	20.84					
20	QPSK	1	99	20.61	20.69	20.60					
20	QPSK	50	0	20.53	20.74	20.73					
20	QPSK	50	24	20.60	20.65	20.72	22	0	21	0	
20	QPSK	50	50	20.38	20.61	20.57					
20	QPSK	100	0	20.54	20.73	20.60					
20	16QAM	1	0	20.54	20.68	20.55					
20	16QAM	1	49	20.62	20.62	20.69	22	0	21	0	
20	16QAM	1	99	20.50	20.49	20.50					
20	16QAM	50	0	20.52	20.70	20.72					
20	16QAM	50	24	20.60	20.75	20.71					
20	16QAM	50	50	20.63	20.73	20.63	22	0	21	0	
20	16QAM	100	0	20.49	20.76	20.68					
20	16QAM	1	0	20.63	20.84	20.72					
20	16QAM	1	49	20.69	20.85	20.84					
20	16QAM	1	99	20.59	20.71	20.65	21	1	21	0	
20	16QAM	50	0	19.49	19.70	19.69					
20	16QAM	50	24	19.55	19.74	19.85					
20	16QAM	50	50	19.49	19.87	19.59					
20	16QAM	100	0	19.50	19.74	19.62					
Channel				133072	133072	133072	Time-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1717.5	1745	1775					
15	QPSK	1	0	20.65	20.61	20.71	22	0	21	0	
15	QPSK	1	39	20.64	20.60	20.75					
15	QPSK	1	74	20.59	20.57	20.59					
15	QPSK	36	0	20.40	20.63	20.61					
15	QPSK	36	20	20.55	20.69	20.69	22	0	21	0	
15	QPSK	36	20	20.60	20.60	20.58					
15	QPSK	75	0	20.44	20.59	20.46					
15	16QAM	1	0	20.51	20.60	20.53					
15	16QAM	1	39	20.58	20.76	20.67	22	0	21	0	
15	16QAM	1	74	20.38	20.40	20.44					
15	16QAM	36	0	20.35	20.75	20.55					
15	16QAM	36	20	20.46	20.62	20.57					
15	16QAM	36	36	20.60	20.57	20.59	22	0	21	0	
15	16QAM	75	0	20.38	20.69	20.54					
15	16QAM	1	0	20.46	20.75	20.55					
15	16QAM	1	39	20.54	20.81	20.69					
15	16QAM	1	74	20.57	20.53	20.63	21	1	21	0	
15	16QAM	36	0	19.32	19.57	19.52					
15	16QAM	36	20	19.45	19.63	19.55					
15	16QAM	75	0	19.40	19.53	19.57					
15	16QAM	75	0	19.45	19.63	19.57					
Channel				133072	133072	133072	Time-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1715	1745	1777					
10	QPSK	1	0	20.67	20.70	20.68	22	0	21	0	
10	QPSK	1	20	20.64	20.83	20.82					
10	QPSK	1	49	20.57	20.58	20.59					
10	QPSK	25	0	20.38	20.67	20.49					
10	QPSK	25	12	20.60	20.60	20.58	22	0	21	0	
10	QPSK	25	20	20.29	20.47	20.53					
10	QPSK	50	0	20.41	20.59	20.58					
10	16QAM	1	0	20.44	20.60	20.46					
10	16QAM	1	20	20.56	20.75	20.57	22	0	21	0	
10	16QAM	1	49	20.38	20.38	20.44					
10	16QAM	25	0	20.34	20.74	20.54					
10	16QAM	25	12	20.52	20.60	20.63					
10	16QAM	25	20	20.44	20.71	20.54	22	0	21	0	
10	16QAM	50	0	20.41	20.71	20.57					
10	16QAM	1	0	20.51	20.76	20.60					
10	16QAM	1	20	20.44	20.81	20.79					
10	16QAM	1	49	20.59	20.68	20.85	22	0	21	0	
10	16QAM	25	0	19.46	19.61	19.66					
10	16QAM	25	12	19.39	19.68	19.69					
10	16QAM	25	20	19.47	19.62	19.57					
10	16QAM	50	0	19.47	19.60	19.59	21	1	21	0	
10	16QAM	50	0	19.47	19.60	19.59					
Channel				133072	133072	133072	Time-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1712.5	1745	1777					
5	QPSK	1	0	20.59	20.68	20.71	22	0	21	0	
5	QPSK	1	12	20.56	20.80	20.82					
5	QPSK	1	24	20.48	20.57	20.54					
5	QPSK	12	0	20.51	20.68	20.57					
5	QPSK	12	7	20.57	20.77	20.69	22	0	21	0	
5	QPSK	12	13	20.23	20.57	20.43					
5	QPSK	25	0	20.50	20.76	20.61					
5	QPSK	25	0	20.47	20.62	20.53					
5	16QAM	1	0	20.47	20.62	20.53	22	0	21	0	
5	16QAM	1	12	20.49	20.67	20.57					
5	16QAM	1	24	20.38	20.41	20.44					
5	16QAM	12	0	20.51	20.74	20.71					
5	16QAM	12	7	20.56	20.68	20.67	22	0	21	0	
5	16QAM	12	13	20.36	20.63	20.46					
5	16QAM	25	0	20.43	20.60	20.59					
5	16QAM	1	0	20.47	20.67	20.56					
5	16QAM	1	12	20.67	20.64	20.62	22	0	21	0	
5	16QAM	1	24	20.57	20.64	20.63					
5	16QAM	12	0	19.34	19.68	19.54					
5	16QAM	12	7	19.49	19.68	19.59					
5	16QAM	12	13	19.46	19.63	19.56	21	1	21	0	
5	16QAM	25	0	19.36	19.60	19.48					
Channel				133072	133072	133072	Time-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1711.5	1745	1778.5					
3	QPSK	1	0	20.59	20.74	20.71	22	0	21	0	
3	QPSK	1	8	20.68	20.77	20.72					
3	QPSK	15	0	20.51	20.68	20.59					
3	QPSK	8	0	20.48	20.68	20.55					
3	QPSK	8	4	20.48	20.68	20.59	22	0	21	0	
3	QPSK	8	7	20.35	20.59	20.50					
3	QPSK	15	0	20.51	20.72	20.49					
3	16QAM	1	0	20.42	20.65	20.51					
3	16QAM	1	8	20.53	20.70	20.61	22	0	21	0	
3	16QAM	1	14	20.41	20.46	20.49					
3	16QAM	8	0	20.46	20.57	20.50					
3	16QAM	8	4	20.48	20.68	20.59					
3	16QAM	8	7	20.41	20.62	20.61	22	0	21	0	
3	16QAM	15	0	20.41	20.80	20.57					
3	16QAM	1	0	20.63	20.79	20.72					
3	16QAM	1	8	20.57	20.74	20.72					
3	16QAM	1	14	20.53	20.53	20.53	22	0	21	0	
3	16QAM	8	0	19.45	19.75	19.55					
3	16QAM	8	4	19.53	19.65	19.63					
3	16QAM	8	7	19.40	19.65	19.62	21	1	21	0	
3	16QAM	15	0	19.40	19.65	19.62					
Channel				133072	133072	133072	Time-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1710.7	1745	1779.3					
1.4	QPSK	1	0	20.69	20.70	20.68	22	0	21	0	
1.4	QPSK	1	8	20.63	20.70	20.69					
1.4	QPSK	1	16	20.52	20.94	20.45					
1.4	QPSK	3	0	20.61	20.66	20.71					
1.4	QPSK	3	1	20.67	20.77	20.72	22	0	21	0	
1.4	QPSK	3	1	20.57	20.60	20.55					
1.4	QPSK	6	0	20.52	20.61	20.53					
1.4	16QAM	1	0	20.51	20.69	20.60					
1.4	16QAM	1	8	20.52	20.91	20.41	22	0	21	0	
1.4	16QAM	1	16	20.47	20.81	20.41					
1.4	16QAM	3	0	20.41	20.64	20.24					
1.4	16QAM	3	1	20.50	20.70	20.62					
1.4	16QAM	3	1	20.39	20.45	20.45	22	0	21	0	
1.4	16QAM	6	0	20.32	20.60	20.48					
1.4	16QAM	1	0	20.45	20.67	20.54					
1.4	16QAM	1	8	20.53	20.71	20.71					
1.4	16QAM	1	16	20.49	20.99	20.29	22	0	21	0	
1.4	16QAM	3	0	20.32	20.60	20.25					
1.4	16QAM	3	1	20.44	20.67	20.54					
1.4	16QAM	3	1	20.36	20.62	20.45					
1.4	16QAM	6	0	19.31	19.59	19.43	21	1	21	0	
1.4	16QAM	6	0	19.31	19.59	19.43					

Band 38_Ant31									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	23.44	23.57	23.38	24.8	0	
20	QPSK	1	49	23.70	23.65	23.61			
20	QPSK	1	99	23.52	23.63	23.53			
20	QPSK	50	0	22.65	22.55	22.52	23.8	1	
20	QPSK	50	24	22.56	22.52	22.56			
20	QPSK	50	50	22.48	22.58	22.60			
20	QPSK	100	0	22.63	22.60	22.55	23.8	1	
20	16QAM	1	0	22.39	22.53	22.43			
20	16QAM	1	49	22.59	22.87	22.80			
20	16QAM	1	99	22.44	22.65	22.48	22.8	2	
20	16QAM	50	0	21.52	21.73	21.49			
20	16QAM	50	24	21.53	21.76	21.58			
20	16QAM	50	50	21.47	21.70	21.56	22.8	2	
20	16QAM	100	0	21.50	21.75	21.57			
20	64QAM	1	0	21.14	21.40	21.06			
20	64QAM	1	49	21.31	21.53	21.35	22.8	2	
20	64QAM	1	99	21.16	21.39	21.29			
20	64QAM	50	0	20.62	20.88	20.59			
20	64QAM	50	24	20.67	20.91	20.68	21.8	3	
20	64QAM	50	50	20.56	20.86	20.75			
20	64QAM	100	0	20.67	20.85	20.70			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	23.46	23.60	23.50	24.8	0	
15	QPSK	1	37	23.59	23.66	23.62			
15	QPSK	1	74	23.41	23.64	23.59			
15	QPSK	36	0	22.49	22.56	22.51	23.8	1	
15	QPSK	36	20	22.52	22.58	22.54			
15	QPSK	36	39	22.41	22.61	22.51			
15	QPSK	75	0	22.49	22.62	22.55	23.8	1	
15	16QAM	1	0	22.37	22.52	22.51			
15	16QAM	1	37	22.56	22.68	22.68			
15	16QAM	1	74	22.43	22.58	22.60	22.8	2	
15	16QAM	36	0	21.43	21.54	21.45			
15	16QAM	36	20	21.44	21.56	21.51			
15	16QAM	36	39	21.38	21.58	21.53	22.8	2	
15	16QAM	75	0	21.51	21.59	21.60			
15	64QAM	1	0	21.18	21.34	21.27			
15	64QAM	1	37	21.36	21.47	21.29	22.8	2	
15	64QAM	1	74	21.09	21.30	21.31			
15	64QAM	36	0	20.68	20.76	20.67			
15	64QAM	36	20	20.64	20.73	20.68	21.8	3	
15	64QAM	36	39	20.57	20.80	20.74			
15	64QAM	75	0	20.68	20.78	20.75			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	23.55	23.57	23.55	24.8	0	
10	QPSK	1	25	23.55	23.63	23.67			
10	QPSK	1	49	23.51	23.67	23.67			
10	QPSK	25	0	22.49	22.63	22.55	23.8	1	
10	QPSK	25	12	22.48	22.66	22.59			
10	QPSK	25	25	22.49	22.60	22.62			
10	QPSK	50	0	22.50	22.63	22.63	23.8	1	
10	16QAM	1	0	22.51	22.56	22.60			
10	16QAM	1	25	22.57	22.71	22.66			
10	16QAM	1	49	22.54	22.67	22.65	22.8	2	
10	16QAM	25	0	21.58	21.67	21.57			
10	16QAM	25	12	21.50	21.68	21.59			
10	16QAM	25	25	21.46	21.62	21.65	22.8	2	
10	16QAM	50	0	21.50	21.66	21.62			
10	64QAM	1	0	21.23	21.31	21.32			
10	64QAM	1	25	21.28	21.43	21.40	22.8	2	
10	64QAM	1	49	21.22	21.36	21.34			
10	64QAM	25	0	20.76	20.83	20.80			
10	64QAM	25	12	20.70	20.87	20.91	21.8	3	
10	64QAM	25	25	20.64	20.80	20.87			
10	64QAM	50	0	20.61	20.79	20.78			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	23.49	23.67	23.61	24.8	0	
5	QPSK	1	12	23.57	23.58	23.64			
5	QPSK	1	24	23.52	23.69	23.66			
5	QPSK	12	0	22.51	22.68	22.61	23.8	1	
5	QPSK	12	7	22.45	22.61	22.62			
5	QPSK	12	13	22.48	22.56	22.65			
5	QPSK	25	0	22.48	22.62	22.69	23.8	1	
5	16QAM	1	0	22.43	22.60	22.64			
5	16QAM	1	12	22.54	22.68	22.64			
5	16QAM	1	24	22.48	22.66	22.71	22.8	2	
5	16QAM	12	0	21.48	21.63	21.59			
5	16QAM	12	7	21.39	21.53	21.61			
5	16QAM	12	13	21.40	21.54	21.58	22.8	2	
5	16QAM	25	0	21.55	21.64	21.67			
5	64QAM	1	0	21.20	21.47	21.31			
5	64QAM	1	12	21.27	21.49	21.41	22.8	2	
5	64QAM	1	24	21.23	21.45	21.42			
5	64QAM	12	0	20.66	20.86	20.77			
5	64QAM	12	7	20.61	20.80	20.85	21.8	3	
5	64QAM	12	13	20.65	20.78	20.82			
5	64QAM	25	0	20.75	20.87	20.87			

Band 38_Ant14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (dB)	
Channel				37850	38000	38150	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	22.46	22.28	22.33	23.8	0	
20	QPSK	1	49	22.65	22.39	22.51			
20	QPSK	1	99	22.57	22.24	22.43			
20	QPSK	50	0	22.53	22.28	22.33	23.8	0	
20	QPSK	50	24	22.48	22.29	22.38			
20	QPSK	50	50	22.47	22.23	22.40			
20	QPSK	100	0	22.47	22.27	22.34	23.8	0	
20	16QAM	1	0	22.37	22.15	22.21			
20	16QAM	1	49	22.57	22.33	22.45			
20	16QAM	1	99	22.42	22.21	22.32	22.8	1	
20	16QAM	50	0	21.51	21.28	21.30			
20	16QAM	50	24	21.54	21.31	21.36			
20	16QAM	50	50	21.46	21.24	21.40	22.8	1	
20	16QAM	100	0	21.47	21.28	21.35			
20	64QAM	1	0	21.20	21.15	21.22			
20	64QAM	1	49	21.33	21.10	21.15	22.8	1	
20	64QAM	1	99	21.15	21.11	21.20			
20	64QAM	50	0	20.67	20.44	20.44			
20	64QAM	50	24	20.71	20.45	20.53	21.8	2	
20	64QAM	50	50	20.63	20.39	20.54			
20	64QAM	100	0	20.65	20.43	20.48			
Channel				37825	38000	38175	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dbm)	MPR (dB)	
15	QPSK	1	0	22.24	22.09	22.04	23.8	0	
15	QPSK	1	37	22.46	22.24	22.36			
15	QPSK	1	74	22.42	22.10	22.20			
15	QPSK	36	0	22.48	22.18	22.28	23.8	0	
15	QPSK	36	20	22.33	22.29	22.21			
15	QPSK	36	39	22.36	22.23	22.29			
15	QPSK	75	0	22.43	22.20	22.30	23.8	0	
15	16QAM	1	0	22.25	22.08	22.09			
15	16QAM	1	37	22.41	22.33	22.29			
15	16QAM	1	74	22.25	22.14	22.15	22.8	1	
15	16QAM	36	0	21.50	21.24	21.29			
15	16QAM	36	20	21.54	21.31	21.36			
15	16QAM	36	39	21.29	21.06	21.23	22.8	1	
15	16QAM	75	0	21.47	21.28	21.35			
15	64QAM	1	0	21.17	21.04	21.19			
15	64QAM	1	37	21.32	21.05	21.15	22.8	1	
15	64QAM	1	74	21.01	20.96	21.06			
15	64QAM	36	0	20.50	20.26	20.27			
15	64QAM	36	20	20.61	20.26	20.43	21.8	2	
15	64QAM	36	39	20.50	20.25	20.41			
15	64QAM	75	0	20.57	20.43	20.40			
Channel				37800	38000	38200	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615	Tune-up limit (dbm)	MPR (dB)	
10	QPSK	1	0	22.35	22.06	22.08	23.8	0	
10	QPSK	1	25	22.59	22.32	22.32			
10	QPSK	1	49	22.35	22.14	22.33			
10	QPSK	25	0	22.53	22.09	22.33	23.8	0	
10	QPSK	25	12	22.31	22.10	22.19			
10	QPSK	25	25	22.30	22.11	22.23			
10	QPSK	50	0	22.28	22.08	22.15	23.8	0	
10	16QAM	1	0	22.29	21.98	22.13			
10	16QAM	1	25	22.51	22.16	22.39			
10	16QAM	1	49	22.24	22.02	22.14	22.8	1	
10	16QAM	25	0	21.41	21.23	21.20			
10	16QAM	25	12	21.42	21.17	21.24			
10	16QAM	25	25	21.42	21.15	21.36	22.8	1	
10	16QAM	50	0	21.29	21.11	21.17			
10	64QAM	1	0	21.03	21.00	21.05			
10	64QAM	1	25	21.18	21.00	21.00	21.8	2	
10	64QAM	1	49	21.03	20.93	21.08			
10	64QAM	25	0	20.60	20.26	20.37			
10	64QAM	25	12	20.67	20.28	20.49	21.8	2	
10	64QAM	25	25	20.51	20.27	20.42			
10	64QAM	50	0	20.49	20.40	20.32			
Channel				37775	38000	38225	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dbm)	MPR (dB)	
5	QPSK	1	0	22.34	22.03	22.15	23.8	0	
5	QPSK	1	12	22.54	22.25	22.34			
5	QPSK	1	24	22.34	22.09	22.28			
5	QPSK	12	0	22.34	22.24	22.14	23.8	0	
5	QPSK	12	7	22.29	22.18	22.17			
5	QPSK	12	13	22.34	22.22	22.27			
5	QPSK	25	0	22.28	22.15	22.15	23.8	0	
5	16QAM	1	0	22.36	22.15	22.20			
5	16QAM	1	12	22.48	22.19	22.38			
5	16QAM	1	24	22.28	22.19	22.16	22.8	1	
5	16QAM	12	0	21.40	21.10	21.19			
5	16QAM	12	7	21.45	21.15	21.27			
5	16QAM	12	13	21.41	21.18	21.35	22.8	1	
5	16QAM	25	0	21.46	21.14	21.34			
5	64QAM	1	0	21.06	20.96	21.08			
5	64QAM	1	12	21.22	21.05	21.04	21.8	2	
5	64QAM	1	24	21.11	20.95	21.16			
5	64QAM	12	0	20.50	20.42	20.27			
5	64QAM	12	7	20.55	20.33	20.37	21.8	2	
5	64QAM	12	13	20.53	20.27	20.44			
5	64QAM	25	0	20.65	20.34	20.48			

Band 41_Ant31										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.44	23.36	23.52	23.47	23.36	24.8	0
20	QPSK	1	49	23.50	23.48	23.71	23.62	23.60		
20	QPSK	1	99	23.39	23.35	23.60	23.45	23.45		
20	QPSK	50	0	22.38	22.49	22.66	22.53	22.54	23.8	1
20	QPSK	50	24	22.50	22.49	22.60	22.55	22.55		
20	QPSK	50	50	22.53	22.45	22.53	22.58	22.55		
20	QPSK	100	0	22.42	22.46	22.60	22.56	22.51	23.8	1
20	16QAM	1	0	22.39	22.28	22.56	22.45	22.37		
20	16QAM	1	49	22.54	22.56	22.71	22.60	22.64		
20	16QAM	1	99	22.40	22.33	22.60	22.42	22.46	22.8	2
20	16QAM	50	0	21.62	21.53	21.62	21.52	21.52		
20	16QAM	50	24	21.73	21.51	21.68	21.58	21.57		
20	16QAM	50	50	21.72	21.46	21.64	21.53	21.53	22.8	2
20	16QAM	100	0	21.64	21.49	21.60	21.59	21.52		
20	64QAM	1	0	21.30	21.06	21.16	21.14	21.12		
20	64QAM	1	49	21.41	21.25	21.42	21.40	21.30	22.8	2
20	64QAM	1	99	21.27	21.05	21.30	21.15	21.19		
20	64QAM	50	0	20.54	20.66	20.78	20.68	20.66		
20	64QAM	50	24	20.61	20.66	20.83	20.72	20.73	21.8	3
20	64QAM	50	50	20.66	20.56	20.81	20.69	20.70		
20	64QAM	100	0	20.56	20.62	20.77	20.67	20.65		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2593.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	23.43	23.46	23.48	23.47	23.43	24.80	0
15	QPSK	1	37	23.53	23.67	23.70	23.69	23.54		
15	QPSK	1	74	23.48	23.43	23.58	23.56	23.45		
15	QPSK	36	0	22.39	22.39	22.56	22.49	22.41	23.8	1
15	QPSK	36	20	22.44	22.47	22.58	22.51	22.42		
15	QPSK	36	39	22.47	22.45	22.64	22.51	22.41		
15	QPSK	75	0	22.48	22.47	22.56	22.52	22.44	23.8	1
15	16QAM	1	0	22.45	22.36	22.47	22.46	22.36		
15	16QAM	1	37	22.55	22.53	22.67	22.58	22.57		
15	16QAM	1	74	22.47	22.43	22.53	22.48	22.47	22.8	2
15	16QAM	36	0	21.54	21.59	21.53	21.46	21.39		
15	16QAM	36	20	21.64	21.60	21.58	21.43	21.39		
15	16QAM	36	39	21.71	21.64	21.61	21.47	21.38	22.8	2
15	16QAM	75	0	21.60	21.66	21.62	21.53	21.46		
15	64QAM	1	0	21.30	21.29	21.27	21.15	21.14		
15	64QAM	1	37	21.46	21.43	21.37	21.31	21.37	22.8	2
15	64QAM	1	74	21.32	21.39	21.29	21.23	21.13		
15	64QAM	36	0	20.64	20.56	20.75	20.66	20.58		
15	64QAM	36	20	20.61	20.59	20.79	20.63	20.62	21.8	3
15	64QAM	36	39	20.68	20.67	20.77	20.66	20.58		
15	64QAM	75	0	20.55	20.53	20.78	20.67	20.61		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	23.42	23.60	23.58	23.43	23.62	24.80	0
10	QPSK	1	25	23.47	23.66	23.55	23.56	23.69		
10	QPSK	1	49	23.40	23.68	23.58	23.50	23.67		
10	QPSK	25	0	22.29	22.61	22.47	22.44	22.65	23.8	1
10	QPSK	25	12	22.39	22.63	22.46	22.49	22.72		
10	QPSK	25	25	22.41	22.71	22.45	22.45	22.71		
10	QPSK	50	0	22.45	22.63	22.47	22.51	22.71	23.8	1
10	16QAM	1	0	22.35	22.59	22.45	22.42	22.62		
10	16QAM	1	25	22.47	22.67	22.56	22.55	22.65		
10	16QAM	1	49	22.38	22.61	22.50	22.53	22.73	22.8	2
10	16QAM	25	0	21.57	21.67	21.47	21.53	21.68		
10	16QAM	25	12	21.60	21.67	21.52	21.50	21.74		
10	16QAM	25	25	21.55	21.65	21.52	21.46	21.77	22.8	2
10	16QAM	50	0	21.59	21.61	21.48	21.50	21.75		
10	64QAM	1	0	21.33	21.30	21.25	21.16	21.46		
10	64QAM	1	25	21.37	21.46	21.28	21.29	21.50	22.8	2
10	64QAM	1	49	21.29	21.38	21.17	21.19	21.44		
10	64QAM	25	0	20.52	20.80	20.66	20.68	20.92		
10	64QAM	25	12	20.60	20.80	20.68	20.77	20.94	21.8	3
10	64QAM	25	25	20.64	20.86	20.65	20.69	21.01		
10	64QAM	50	0	20.66	20.77	20.64	20.67	20.93		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	23.36	23.55	23.46	23.43	23.45	24.80	0
5	QPSK	1	12	23.41	23.63	23.57	23.51	23.53		
5	QPSK	1	24	23.36	23.65	23.52	23.47	23.49		
5	QPSK	12	0	22.33	22.55	22.40	22.42	22.41	23.8	1
5	QPSK	12	7	22.34	22.57	22.39	22.39	22.41		
5	QPSK	12	13	22.34	22.58	22.45	22.40	22.39		
5	QPSK	25	0	22.34	22.57	22.41	22.40	22.48	23.8	1
5	16QAM	1	0	22.38	22.58	22.39	22.41	22.41		
5	16QAM	1	12	22.44	22.68	22.43	22.54	22.44		
5	16QAM	1	24	22.37	22.61	22.45	22.45	22.44	22.8	2
5	16QAM	12	0	21.45	21.51	21.37	21.35	21.37		
5	16QAM	12	7	21.44	21.52	21.33	21.34	21.35		
5	16QAM	12	13	21.48	21.48	21.34	21.31	21.29	22.8	2
5	16QAM	25	0	21.58	21.54	21.45	21.46	21.44		
5	64QAM	1	0	21.34	21.32	21.20	21.24	21.19		
5	64QAM	1	12	21.31	21.29	21.15	21.25	21.20	22.8	2
5	64QAM	1	24	21.34	21.36	21.19	21.22	21.22		
5	64QAM	12	0	20.47	20.72	20.53	20.60	20.54		
5	64QAM	12	7	20.52	20.75	20.55	20.58	20.52	21.8	3
5	64QAM	12	13	20.46	20.72	20.54	20.53	20.54		
5	64QAM	25	0	20.58	20.74	20.61	20.62	20.59		

Band 41_Ant14										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dbm)	MPR (db)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.15	23.35	23.20	23.15	23.30	24.8	0
20	QPSK	1	49	23.41	23.50	23.63	23.36	23.52		
20	QPSK	1	99	23.28	23.44	23.20	23.16	23.36		
20	QPSK	50	0	22.24	22.40	22.55	22.31	22.48	23.8	1
20	QPSK	50	24	22.35	22.45	22.32	22.28	22.47		
20	QPSK	50	50	22.36	22.44	22.25	22.24	22.42		
20	QPSK	100	0	22.31	22.45	22.52	22.26	22.50	23.8	1
20	16QAM	1	0	22.19	22.33	22.16	22.14	22.28		
20	16QAM	1	49	22.40	22.53	22.37	22.37	22.54		
20	16QAM	1	99	22.26	22.40	22.15	22.14	22.34	22.8	2
20	16QAM	50	0	21.41	21.44	21.34	21.31	21.47		
20	16QAM	50	24	21.54	21.51	21.32	21.30	21.48		
20	16QAM	50	50	21.55	21.50	21.23	21.23	21.51	22.8	2
20	16QAM	100	0	21.48	21.45	21.28	21.28	21.49		
20	64QAM	1	0	21.11	21.04	21.09	21.05	21.05		
20	64QAM	1	49	21.28	21.26	21.10	21.10	21.26	22.8	2
20	64QAM	1	99	21.05	21.11	21.10	21.06	21.08		
20	64QAM	50	0	20.31	20.60	20.47	20.47	20.66		
20	64QAM	50	24	20.41	20.67	20.46	20.44	20.64	21.8	3
20	64QAM	50	50	20.51	20.63	20.42	20.39	20.67		
20	64QAM	100	0	20.38	20.60	20.44	20.43	20.65		
Channel				39725	40173	40620	41068	41515	Turn-up limit (dbm)	MPR (db)
Frequency (MHz)				2503.5	2546.3	2593	2637.8	2682.5		
15	QPSK	1	0	23.02	23.32	23.19	22.97	23.18		
15	QPSK	1	37	23.30	23.40	23.44	23.27	23.39		
15	QPSK	1	74	23.10	23.30	23.02	23.07	23.33		
15	QPSK	36	0	22.15	22.26	22.20	22.20	22.31	23.8	1
15	QPSK	36	20	22.19	22.31	22.16	22.15	22.38		
15	QPSK	36	36	22.34	22.31	22.23	22.24	22.32		
15	QPSK	75	0	22.31	22.40	22.52	22.11	22.50	23.8	1
15	16QAM	1	0	22.15	22.15	22.12	22.04	22.18		
15	16QAM	1	37	22.27	22.40	22.24	22.35	22.43		
15	16QAM	1	74	22.26	22.35	22.15	22.00	22.16	22.8	2
15	16QAM	36	0	21.36	21.26	21.29	21.26	21.43		
15	16QAM	36	20	21.50	21.51	21.28	21.15	21.38		
15	16QAM	36	39	21.51	21.48	21.19	21.06	21.46	21.8	3
15	16QAM	75	0	21.47	21.32	21.27	21.23	21.48		
15	64QAM	1	0	20.99	20.90	20.92	21.04	20.95		
15	64QAM	1	37	21.26	21.18	21.08	20.94	21.18	22.8	2
15	64QAM	1	74	20.87	21.05	20.97	21.03	21.01		
15	64QAM	36	0	20.24	20.46	20.40	20.30	20.57		
15	64QAM	36	20	20.23	20.55	20.28	20.41	20.50	21.8	3
15	64QAM	36	39	20.50	20.58	20.41	20.38	20.56		
15	64QAM	75	0	20.35	20.47	20.41	20.25	20.56		
Channel				39700	40160	40620	41080	41540	Turn-up limit (dbm)	MPR (db)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	23.15	23.31	23.17	23.10	23.22		
10	QPSK	1	25	23.27	23.42	23.41	23.19	23.33		
10	QPSK	1	49	23.23	23.40	23.15	23.14	23.34		
10	QPSK	25	0	22.10	22.28	22.35	22.26	22.42	23.8	1
10	QPSK	25	10	22.16	22.45	22.13	22.09	22.47		
10	QPSK	25	25	22.27	22.28	22.16	22.23	22.29		
10	QPSK	50	0	22.23	22.29	22.44	22.12	22.40	23.8	1
10	16QAM	1	0	22.12	22.32	22.09	22.01	22.21		
10	16QAM	1	25	22.23	22.39	22.20	22.28	22.41		
10	16QAM	1	49	22.08	22.40	21.97	22.01	22.18	22.8	2
10	16QAM	25	0	21.29	21.36	21.22	21.30	21.39		
10	16QAM	25	12	21.41	21.33	21.19	21.29	21.48		
10	16QAM	25	25	21.39	21.32	21.07	21.21	21.47	22.8	2
10	16QAM	50	0	21.35	21.21	21.15	21.15	21.32		
10	64QAM	1	0	20.94	20.91	20.92	21.01	20.86		
10	64QAM	1	25	21.24	21.22	21.06	21.03	21.09	22.8	2
10	64QAM	1	49	20.97	21.10	21.02	20.95	21.05		
10	64QAM	25	0	20.21	20.46	20.37	20.35	20.61		
10	64QAM	25	12	20.35	20.61	20.40	20.26	20.45	21.8	3
10	64QAM	25	25	20.36	20.54	20.27	20.37	20.61		
10	64QAM	50	0	20.30	20.50	20.36	20.24	20.58		
Channel				39675	40148	40620	41093	41565	Turn-up limit (dbm)	MPR (db)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2667.5		
5	QPSK	1	0	22.98	23.24	23.06	23.06	23.26		
5	QPSK	1	12	23.29	23.31	23.43	23.35	23.34		
5	QPSK	1	24	23.09	23.27	23.03	23.06	23.21		
5	QPSK	12	0	22.21	22.39	22.22	22.33	22.33	23.8	1
5	QPSK	12	7	22.24	22.43	22.21	22.25	22.44		
5	QPSK	12	13	22.21	22.36	22.10	22.16	22.34		
5	QPSK	25	0	22.20	22.38	22.41	22.20	22.39	23.8	1
5	16QAM	1	0	22.06	22.17	22.03	22.06	22.28		
5	16QAM	1	12	22.37	22.48	22.34	22.23	22.46		
5	16QAM	1	24	22.25	22.37	22.14	22.13	22.28	22.8	2
5	16QAM	12	0	21.36	21.27	21.29	21.25	21.28		
5	16QAM	12	7	21.37	21.51	21.15	21.30	21.48		
5	16QAM	12	13	21.46	21.48	21.14	21.18	21.44	22.8	2
5	16QAM	25	0	21.43	21.36	21.23	21.10	21.32		
5	64QAM	1	0	20.96	20.93	20.94	20.98	21.01		
5	64QAM	1	12	21.11	21.26	20.93	21.05	21.19	22.8	2
5	64QAM	1	24	21.04	20.94	21.09	20.95	20.97		
5	64QAM	12	0	20.22	20.50	20.38	20.47	20.55		
5	64QAM	12	7	20.28	20.50	20.33	20.39	20.46	21.8	3
5	64QAM	12	13	20.40	20.50	20.31	20.33	20.56		
5	64QAM	25	0	20.36	20.42	20.42	20.27	20.50		

DSI 5 & DSI 6 Power

GSM850_Ant141	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	834.2	836.4	848.8	834.2	834.2	836.4	848.8	834.2
Frequency (MHz)	32.09	32.20	32.22	33.50	23.09	23.20	23.22	24.50
GSM 1 Tx slot	32.08	32.17	32.21	33.50	23.08	23.17	23.21	24.50
GPRS 1 Tx slots	30.33	30.34	30.32	31.50	24.33	24.34	24.32	25.50
GPRS 3 Tx slots	28.13	28.13	28.12	29.50	23.87	23.87	23.86	25.24
GPRS 4 Tx slots	26.44	26.45	26.52	28.00	23.44	23.45	23.52	25.00
EDGE 1 Tx slot	27.00	27.04	26.93	28.00	18.00	18.04	17.93	19.00
EDGE 2 Tx slots	24.42	24.51	24.45	25.70	18.42	18.51	18.45	19.70
EDGE 3 Tx slots	22.15	22.25	22.30	23.50	17.89	17.99	18.04	19.24
EDGE 4 Tx slots	20.30	20.31	20.28	21.70	17.30	17.31	17.28	18.70

GSM1900_Ant131	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	1909.8	1850.2
Frequency (MHz)	27.55	27.32	27.24	28.50	18.55	18.32	18.24	19.50
GSM 1 Tx slot	27.54	27.37	27.27	28.50	18.54	18.37	18.27	19.50
GPRS 1 Tx slot	24.99	24.98	24.99	26.30	18.99	18.98	18.99	20.30
GPRS 3 Tx slots	22.72	22.68	22.43	24.00	18.46	18.42	18.17	19.74
GPRS 4 Tx slots	21.23	21.46	21.37	22.50	18.23	18.46	18.37	19.50
EDGE 1 Tx slot	25.47	25.51	25.18	26.50	16.47	16.51	16.18	17.50
EDGE 2 Tx slots	23.51	23.60	23.22	24.50	17.51	17.60	17.22	18.50
EDGE 3 Tx slots	21.38	21.42	21.30	22.70	17.12	17.16	17.04	18.44
EDGE 4 Tx slots	20.10	20.05	19.84	21.20	17.10	17.05	16.84	18.20

GSM850_Ant111	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	834.2	836.4	848.8	834.2	834.2	836.4	848.8	834.2
Frequency (MHz)	30.54	30.43	30.55	31.50	21.54	21.43	21.55	22.50
GSM 1 Tx slot	30.54	30.43	30.55	31.50	21.54	21.43	21.55	22.50
GPRS 1 Tx slot	30.12	30.09	30.23	31.50	21.12	21.09	21.23	22.50
GPRS 3 Tx slots	27.81	27.96	27.89	29.50	21.91	21.96	21.89	23.50
GPRS 4 Tx slots	25.86	25.86	25.96	27.50	21.60	21.60	21.70	23.24
GPRS 4 Tx slots	24.69	24.70	24.76	26.00	21.69	21.70	21.76	23.00
EDGE 1 Tx slot	26.70	26.72	26.64	28.00	17.70	17.72	17.64	19.00
EDGE 2 Tx slots	24.34	24.42	24.33	25.70	18.34	18.42	18.33	19.70
EDGE 3 Tx slots	22.15	22.21	22.16	23.50	17.89	17.95	17.90	19.24
EDGE 4 Tx slots	20.34	20.33	20.25	21.70	17.34	17.33	17.25	18.70

GSM1900_Ant114	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	1909.8	1850.2
Frequency (MHz)	27.40	27.35	27.22	28.50	18.40	18.35	18.22	19.50
GSM 1 Tx slot	27.34	27.31	27.19	28.50	18.34	18.31	18.19	19.50
GPRS 1 Tx slot	25.38	25.46	25.50	26.30	19.38	19.46	19.50	20.30
GPRS 3 Tx slots	22.76	22.76	22.75	24.00	18.50	18.50	18.49	19.74
GPRS 4 Tx slots	21.63	21.57	21.82	22.50	18.63	18.57	18.62	19.50
EDGE 1 Tx slot	25.26	25.35	25.18	26.50	16.26	16.35	16.18	17.50
EDGE 2 Tx slots	23.57	23.66	23.43	24.50	17.57	17.66	17.43	18.50
EDGE 3 Tx slots	21.84	21.82	21.85	22.70	17.58	17.56	17.39	18.44
EDGE 4 Tx slots	20.26	20.35	20.25	21.20	17.26	17.35	17.25	18.20

Band	WCDMA I_Ant131			Tune-up Limit (dBm)	WCDMA IV_Ant131			Tune-up Limit (dBm)	WCDMA V_Ant141			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513		4132	4182	4233	
TX Channel	9662	9800	9938	9662	1537	1638	1738	9662	4367	4407	4458	9662
Frequency (MHz)	1852.4	1880	1907.6	1852.4	1312.4	1323.6	1332.4	1852.4	4132.4	4162.4	4182.4	4132.4
3GPP Rel 99 AMR 12.2kops	18.65	18.67	18.69	20.00	18.88	18.96	18.83	20.00	23.63	23.68	23.62	25.00
3GPP Rel 99 RMC 12.2kops	18.68	18.75	18.64	20.00	18.89	19.02	18.87	20.00	23.66	23.70	23.68	25.00
3GPP Rel 6 HSDPA Subtest-1	17.57	17.68	17.53	19.00	17.56	17.76	17.58	19.00	22.60	22.70	22.61	24.00
3GPP Rel 6 HSDPA Subtest-2	17.59	17.69	17.64	19.00	17.73	17.84	17.75	19.00	22.72	22.74	22.72	24.00
3GPP Rel 6 HSDPA Subtest-3	17.05	17.20	17.03	18.50	17.18	17.43	17.27	18.50	22.15	22.21	22.15	23.50
3GPP Rel 6 HSDPA Subtest-4	16.94	17.23	17.09	18.50	17.35	17.38	17.23	18.50	22.09	22.18	22.18	23.50
3GPP Rel 6 DC-HSDPA Subtest-1	17.49	17.50	17.51	19.00	17.59	17.76	17.55	19.00	22.46	22.56	22.47	24.00
3GPP Rel 6 DC-HSDPA Subtest-2	17.54	17.50	17.58	19.00	17.65	17.70	17.82	19.00	22.72	22.62	22.72	24.00
3GPP Rel 6 DC-HSDPA Subtest-3	17.03	17.02	16.93	18.50	17.22	17.38	17.18	18.50	21.98	22.05	21.98	23.50
3GPP Rel 6 DC-HSDPA Subtest-4	16.84	17.17	16.99	18.50	17.26	17.16	17.28	18.50	22.06	22.03	22.15	23.50
3GPP Rel 6 HSUPA Subtest-1	16.62	16.66	16.42	18.00	16.96	16.03	16.16	17.00	20.67	20.68	20.62	22.00
3GPP Rel 6 HSUPA Subtest-2	16.50	16.58	16.56	18.00	15.91	15.95	15.95	17.00	20.65	20.72	20.67	22.00
3GPP Rel 6 HSUPA Subtest-3	17.50	17.70	17.69	19.00	17.01	16.98	16.96	18.00	21.75	21.75	21.60	23.00
3GPP Rel 6 HSUPA Subtest-4	16.20	16.25	16.12	17.50	15.57	15.54	15.47	16.50	20.34	20.35	20.20	22.00
3GPP Rel 6 HSUPA Subtest-5	17.53	17.70	17.42	19.00	16.95	17.00	16.93	18.00	21.57	21.70	21.55	23.00
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	17.22	17.27	17.21	18.00	16.06	16.18	16.10	17.00	21.10	21.13	21.05	22.00

Band	WCDMA I_Ant114			Tune-up Limit (dBm)	WCDMA IV_Ant14			Tune-up Limit (dBm)	WCDMA V_Ant11			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513		4132	4182	4233	
TX Channel	9662	9800	9938	9662	1537	1638	1738	9662	4367	4407	4458	9662
Frequency (MHz)	1852.4	1880	1907.6	1852.4	1312.4	1323.6	1332.4	1852.4	4132.4	4162.4	4182.4	4132.4
3GPP Rel 99 AMR 12.2kops	19.11	19.19	19.16	20.50	19.46	19.41	19.37	20.50	22.33	22.36	22.32	23.50
3GPP Rel 99 RMC 12.2kops	19.15	19.25	19.18	20.50	19.47	19.54	19.50	20.50	22.26	22.44	22.31	23.50
3GPP Rel 6 HSDPA Subtest-1	16.21	16.30	16.17	19.50	16.45	16.44	16.35	19.50	21.34	21.37	21.34	22.50
3GPP Rel 6 HSDPA Subtest-2	16.15	16.21	16.06	19.50	16.31	16.45	16.46	19.50	21.11	21.32	21.23	22.50
3GPP Rel 6 HSDPA Subtest-3	17.69	17.78	17.59	19.00	17.86	17.96	17.79	19.00	20.85	20.83	20.63	22.00
3GPP Rel 6 HSDPA Subtest-4	17.75	17.74	17.63	19.00	17.91	17.88	17.82	19.00	20.77	20.85	20.67	22.00
3GPP Rel 6 DC-HSDPA Subtest-1	17.87	18.21	17.97	19.50	18.24	18.40	18.18	19.50	21.19	21.32	21.28	22.50
3GPP Rel 6 DC-HSDPA Subtest-2	18.08	18.02	18.04	19.50	18.16	18.37	18.27	19.50	21.02	21.08	21.11	22.50
3GPP Rel 6 DC-HSDPA Subtest-3	17.69	17.57	17.68	19.00	17.85	17.93	17.81	19.00	20.66	20.87	20.55	22.00
3GPP Rel 6 DC-HSDPA Subtest-4	17.63	17.48	17.58	19.00	17.80	17.91	17.82	19.00	20.67	20.72	20.70	22.00
3GPP Rel 6 HSUPA Subtest-1	17.14	17.29	17.07	18.50	16.42	16.34	16.34	17.50	19.16	19.22	19.29	20.50
3GPP Rel 6 HSUPA Subtest-2	17.17	17.30	17.10	18.50	16.18	16.34	16.36	17.50	19.20	19.32	19.08	20.50
3GPP Rel 6 HSUPA Subtest-3	16.23	16.30	16.33	19.50	17.38	17.44	17.36	18.50	20.21	20.39	20.20	21.50
3GPP Rel 6 HSUPA Subtest-4	16.73	16.84	16.67	18.00	15.96	15.96	15.97	17.00	18.76	18.86	18.67	20.50
3GPP Rel 6 HSUPA Subtest-5	18.22	18.33	18.07	19.50	17.41	17.39	17.24	18.50	20.10	20.22	20.13	21.50
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	17.77	17.87	17.82	18.50	16.58	16.60	16.79	17.50	19.65	19.67	19.72	20.50



Band 2_Ant14									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Turn-up (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	19.17	19.17	19.18			
20	QPSK	1	49	19.18	19.18	19.18	20.5	0	
20	QPSK	1	99	19.19	19.19	19.21			
20	QPSK	50	0	19.19	19.23	19.24			
20	QPSK	50	24	19.05	19.17	19.05	20.5	0	
20	QPSK	50	50	19.18	19.13	19.00			
20	QPSK	50	0	19.07	19.19	19.03			
20	16QAM	1	49	19.18	19.21	19.02	20.5	0	
20	16QAM	1	99	19.19	19.14	19.06			
20	16QAM	50	0	19.17	19.22	19.03			
20	16QAM	50	24	19.11	19.16	19.09	20.5	0	
20	16QAM	50	50	19.06	19.16	19.04			
20	16QAM	100	0	19.07	19.21	19.00			
20	16QAM	1	0	19.15	19.12	19.08	20.5	0	
20	16QAM	1	49	19.16	19.10	19.07			
20	16QAM	1	99	19.14	19.21	19.02			
20	16QAM	50	0	19.09	19.13	19.04			
20	16QAM	50	24	19.15	19.00	19.01	20.5	0	
20	16QAM	50	50	19.05	19.08	19.04			
20	16QAM	100	0	19.03	19.06	19.02			
Channel									
Frequency (MHz)									
15	QPSK	1	0	19.15	19.21	19.06			
15	QPSK	1	37	19.07	19.22	19.02	20.5	0	
15	QPSK	1	74	19.15	19.21	19.00			
15	QPSK	36	0	19.13	19.15	19.06			
15	QPSK	36	20	19.06	19.21	19.12	20.5	0	
15	QPSK	36	0	19.13	19.13	19.03			
15	QPSK	75	0	19.17	19.15	19.00			
15	16QAM	1	0	19.15	19.19	19.03			
15	16QAM	1	37	19.07	19.12	19.01	20.5	0	
15	16QAM	1	74	19.15	19.21	19.00			
15	16QAM	36	0	19.09	19.15	19.08			
15	16QAM	36	20	19.10	19.13	19.08	20.5	0	
15	16QAM	36	0	19.08	19.11	19.04			
15	16QAM	75	0	19.14	19.10	19.09			
15	16QAM	1	0	19.09	19.19	19.08			
15	16QAM	1	37	19.06	19.11	19.02	20.5	0	
15	16QAM	1	74	19.15	19.21	19.00			
15	16QAM	36	0	19.07	19.02	19.05			
15	16QAM	36	20	19.03	19.09	19.04	20.5	0	
15	16QAM	36	0	19.08	19.09	19.00			
15	16QAM	75	0	19.08	19.00	19.17			
Channel									
Frequency (MHz)									
10	QPSK	1	0	19.05	19.05	19.05			
10	QPSK	1	25	19.14	19.23	19.04	20.5	0	
10	QPSK	1	49	19.17	19.26	19.06			
10	QPSK	25	0	19.15	19.21	19.05			
10	QPSK	25	0	19.15	19.13	19.03	20.5	0	
10	QPSK	25	25	19.05	19.11	19.03			
10	QPSK	50	0	19.07	19.15	19.07			
10	16QAM	1	0	19.07	19.22	19.09			
10	16QAM	1	25	19.10	19.14	19.09	20.5	0	
10	16QAM	1	49	19.12	19.15	19.04			
10	16QAM	25	0	19.17	19.10	19.07			
10	16QAM	25	0	19.15	19.11	19.06	20.5	0	
10	16QAM	25	25	19.15	19.15	19.06			
10	16QAM	50	0	19.15	19.23	19.09			
10	16QAM	1	0	19.06	19.22	19.07	20.5	0	
10	16QAM	1	25	19.08	19.11	19.04			
10	16QAM	1	49	19.08	19.13	19.00			
10	16QAM	25	0	19.05	19.03	19.06			
10	16QAM	25	0	19.08	19.09	19.00	20.5	0	
10	16QAM	25	25	19.07	19.00	19.16			
10	16QAM	50	0	19.05	19.06	19.19			
Channel									
Frequency (MHz)									
5	QPSK	1	0	19.14	19.23	19.01			
5	QPSK	1	12	19.09	19.17	19.04	20.5	0	
5	QPSK	1	24	19.17	19.14	19.03			
5	QPSK	12	0	19.10	19.13	19.07			
5	QPSK	12	7	19.15	19.14	19.04			
5	QPSK	12	13	19.10	19.19	19.04	20.5	0	
5	QPSK	25	0	19.07	19.17	19.06			
5	QPSK	25	0	19.17	19.17	19.00			
5	16QAM	1	12	19.16	19.22	19.04			
5	16QAM	1	24	19.13	19.18	19.00	20.5	0	
5	16QAM	12	0	19.08	19.11	19.02			
5	16QAM	12	7	19.07	19.22	19.00			
5	16QAM	12	13	19.12	19.17	19.12	20.5	0	
5	16QAM	25	0	19.09	19.13	19.04			
5	16QAM	1	12	19.17	19.21	19.00			
5	16QAM	1	12	19.11	19.23	19.00	20.5	0	
5	16QAM	1	24	19.14	19.23	19.03			
5	16QAM	12	0	19.06	19.09	19.06			
5	16QAM	12	7	19.07	19.03	19.00	20.5	0	
5	16QAM	12	13	19.06	19.06	19.06			
5	16QAM	25	0	19.01	19.03	19.05			
Channel									
Frequency (MHz)									
3	QPSK	1	0	19.17	19.17	19.07			
3	QPSK	1	8	19.10	19.22	19.07	20.5	0	
3	QPSK	1	16	19.11	19.19	19.10			
3	QPSK	8	0	19.05	19.20	19.09			
3	QPSK	8	4	19.15	19.11	19.08	20.5	0	
3	QPSK	8	7	19.11	19.19	19.04			
3	QPSK	15	0	19.07	19.12	19.07			
3	16QAM	1	0	19.17	19.18	19.03			
3	16QAM	1	8	19.07	19.13	19.06	20.5	0	
3	16QAM	1	16	19.07	19.17	19.03			
3	16QAM	8	0	19.04	19.19	19.07			
3	16QAM	8	4	19.08	19.14	19.04	20.5	0	
3	16QAM	8	7	19.07	19.15	19.06			
3	16QAM	15	0	19.16	19.21	19.04			
3	16QAM	1	0	19.09	19.22	19.10			
3	16QAM	1	8	19.04	19.22	19.03	20.5	0	
3	16QAM	1	16	19.09	19.15	19.06			
3	16QAM	8	0	19.05	19.00	19.04			
3	16QAM	8	4	19.08	19.04	19.00	20.5	0	
3	16QAM	8	7	19.06	19.04	19.00			
3	16QAM	15	0	19.09	19.01	19.00			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	19.16	19.16	19.10			
1.4	QPSK	1	5	19.09	19.14	19.00	20.5	0	
1.4	QPSK	1	5	19.07	19.16	19.02			
1.4	QPSK	3	0	19.14	19.17	19.09			
1.4	QPSK	3	0	19.13	19.11	19.07			
1.4	QPSK	3	3	19.17	19.13	19.03			
1.4	QPSK	6	0	19.17	19.21	19.10	20.5	0	
1.4	16QAM	1	0	19.05	19.22	19.07			
1.4	16QAM	1	3	19.14	19.14	19.08			
1.4	16QAM	1	5	19.12	19.16	19.05	20.5	0	
1.4	16QAM	3	0	19.04	19.13	19.01			
1.4	16QAM	3	1	19.17	19.14	19.06			
1.4	16QAM	3	3	19.08	19.12	19.00			
1.4	16QAM	6	0	19.09	19.19	19.09	20.5	0	
1.4	16QAM	1	0	19.11	19.17	19.08			
1.4	16QAM	1	5	19.08	19.18	19.07			
1.4	16QAM	1	5	19.08	19.18	19.07	20.5	0	
1.4	16QAM	3	0	19.07	19.23	19.04			
1.4	16QAM	3	3	19.11	19.22	19.04			
1.4	16QAM	3	5	19.06	19.04	19.07	20.5	0	

Band 2_Ant131									
BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch 1 (dBm)	Power Level Ch 2 (dBm)	Power Level Ch 3 (dBm)	Turn-up (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	18.02	17.88	17.84			
20	QPSK	1	49	17.95	18.03	17.89	19.5	0	
20	QPSK	1	99	17.78	17.78	17.75			
20	QPSK	50	0	17.82	17.82	17.89			
20	QPSK	50	24	17.82	17.82	17.77	19.5	0	
20	QPSK	50	50	17.84	17.82	17.69			
20	QPSK	100	0	17.85	17.87	17.69			
20	16QAM	1	0	17.71	17.81	17.69			
20	16QAM	1	49	17.73	17.78	17.77	19.5	0	
20	16QAM	1	99	17.79	17.75	17.77			
20	16QAM	50	0	17.76	17.80	17.83			
20	16QAM	50	24	17.77	17.83	17.68	19.5	0	
20	16QAM	50	50	17.71	17.88	17.86			
20	16QAM	100	0	17.62	17.68	17.79			
20	16QAM	1	0	17.76	17.84	17.71			
20	16QAM	1	49	17.76	17.84	17.74	19.5	0	
20	16QAM	1	99	17.74	17.77	17.75			
20	16QAM	50	0	17.81	17.76	17.79			
20	16QAM	50	24	17.82	17.82	17.76	19.5	0	
20	16QAM	50	50	17.73	17.81	17.75			
20	16QAM	100	0	17.83	17.87	17.74			
20	16QAM	1	0	17.76	17.84	17.75	Turn-up (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	0	17.99	17.88	17.81			
15	QPSK	1	37	17.88	17.92	17.82	19.5	0	
15	QPSK	1	74	17.77	17.78	17.74			
15	QPSK	36	0	17.79	17.82	17.86			
15	QPSK	36	25	17.68	17.66	17.63	19.5	0	
15	QPSK	36	50	17.71	17.62	17.68			
15	QPSK	36	75	17.64	17.63	17.68			
15	16QAM	1	0	17.62	17.75	17.52			
15	16QAM	1	37	17.59	17.69	17.63	19.5	0	
15	16QAM	1	74	17.78	17.69	17.67			
15	16QAM	36	0	17.60	17.77	17.77			
15	16QAM	36	25	17.42	17.36	17.68	19.5	0	
15	16QAM	36	50	17.65	17.64	17.64			
15	16QAM	36	75	17.52	17.52	17.62			
15	16QAM	1	0	17.71	17.81	17.64			
15	16QAM	1	37	17.60	17.60	17.58	19.5	0	
15	16QAM	1	74	17.74	17.66	17.66			
15	16QAM	36	0	17.68	17.68	17.70			
15	16QAM	36	25	17.74	17.74	17.62	19.5	0	
15	16QAM	36	50	17.69	17.72	17.73			
15	16QAM	36	75	17.64	17.68	17.64	Turn-up (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	18.01	17.72	17.83			
10	QPSK	1	24	17.86	17.86	17.86	19.5	0	
10	QPSK	1	49	17.81	17.77	17.68			
10	QPSK	20	0	17.74	17.66	17.61			
10	QPSK	20	12	17.63	17.64	17.62	19.5	0	
10	QPSK	20	24	17.77	17.68	17.63			
10	QPSK	50	0	17.85	17.72	17.62			
10	16QAM	1	0	17.68	17.72	17.65			
10	16QAM	1	24	17.66	17.66	17.66	19.5	0	
10	16QAM	1	49	17.76	17.69	17.67			
10	16QAM	20	0	17.63	17.77	17.68			
10	16QAM	20	12	17.60	17.69	17.61	19.5	0	
10	16QAM	20	24	17.73	17.63	17.63			
10	16QAM	50	0	17.60	17.69	17.62			
10	16QAM	1	0	17.70	17.78	17.63			
10	16QAM	1	24	17.72	17.65	17.65	19.5	0	
10	16QAM	1	49	17.74	17.76	17.59			
10	16QAM	20	0	17.66	17.57	17.61			
10	16QAM	20	12	17.79	17.79	17.65	19.5	0	
10	16QAM	20	24	17.63	17.63	17.63			
10	16QAM	50	0	17.83	17.75	17.74			
Channel									
Frequency (MHz)									
5	QPSK	1	0	17.96	17.76	17.72			
5	QPSK	1	12	17.92	17.86	17.78	19.5	0	
5	QPSK	1	24	17.84	17.62	17.61			
5	QPSK	12	0	17.72	17.85	17.79			
5	QPSK	12	12	17.75	17.75	17.62	19.5	0	
5	QPSK	20	0	17.79	17.74	17.63			
5	QPSK	20	12	17.77	17.67	17.67			
5	QPSK	1	12	17.95	17.75	17.63	19.5	0	
5	16QAM	1	24	17.66	17.62	17.66			
5	16QAM	12	0	17.70	17.86	17.67			
5	16QAM	12	12	17.76	17.71	17.63	19.5	0	
5	16QAM	12	13	17.64	17.83	17.72			
5	16QAM	20	0	17.62	17.61	17.61			
5	16QAM	1	24	17.81	17.64	17.64	19.5	0	
5	16QAM	1	12	17.80	17.87	17.68			
5	16QAM	1	24	17.81	17.71	17.68			
5	16QAM	12	0	17.73	17.68	17.68	19.5	0	
5	16QAM	12	12	17.77	17.68	17.68			
5	16QAM	12	13	17.83	17.81	17.63			
5	16QAM	20	0	17.79	17.80	17.73			
Channel									
Frequency (MHz)									
3	QPSK	1	0	17.91	17.80	17.73			
3	QPSK	1	8	17.81	17.66	17.75	19.5	0	
3	QPSK	1	14	17.67	17.73	17.64			
3	QPSK	1	20	17.77	17.80	17.69			
3	QPSK	8	4	17.76	17.61	17.71			
3	QPSK	8	7	17.69	17.62	17.74	19.5	0	
3	16QAM	1	8	17.78	17.69	17.68			
3	16QAM	1	14	17.77	17.64	17.76			
3	16QAM	1	20	17.76	17.88	17.63	19.5	0	
3	16QAM	8	4	17.70	17.62	17.67			
3	16QAM	8	7	17.72	17.76	17.76			
3	16QAM	1	14	17.77	17.64	17.73	19.5	0	
3	16QAM	1	20	17.76	17.88	17.63			
3	16QAM	8	4	17.70	17.67	17.77			
3	16QAM	8	7	17.64	17.71	17.63	19.5	0	
3	16QAM	1	14	17.78	17.68	17.68			
3	16QAM	1	20	17.79	17.75	17.71			
3	16QAM	8	4	17.72	17.60	17.70	19.5	0	
3	16QAM	1	14	17.65	17.65	17.68			
3	16QAM	1	20	17.77	17.78	17.78			
3	16QAM	8	4	17.68	17.74	17.74	19.5	0	
3	16QAM	8	7	17.72	17.78	17.74			
3	16QAM	15	0	17.76	17.66	17.66	Turn-up (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	17.85	17.75	17.67			
1.4	QPSK	1	3	17.76	17.90	17.73	19.5	0	
1.4	QPSK	1	6	17.78	17.78	17.77			
1.4	QPSK	3	0	17.64	17.74	17.71			
1.4	QPSK	3	3	17.62	17.75	17.77			
1.4	QPSK	3	6	17.62	17.62	17.68	19.5	0	
1.4	16QAM	1	0	17.81	17.75	17.63			
1.4	16QAM	1	3	17.68	17.68	17.66			
1.4	16QAM	1	6	17.68	17.67	17.62	19.5	0	
1.4	16QAM	3	0	17.74	17.78	17.77			
1.4	16QAM	3	3	17.68	17.81	17.75			
1.4	16QAM	3	6	17.68	17.68	17.68	19.5	0	
1.4	16QAM	1	0	17.65	17.68	17.63			
1.4	16QAM	1	3	17.68	17.68	17.62			
1.4	16QAM	1	6	17.62	17.72	17.65	19.5	0	
1.4	16QAM	3	0	17.73	17.83	17.68			
1.4	16QAM	3	3	17.69	17.81	17.64			
1.4	16QAM	3	6	17.74	17.74	17.62	19.5	0	
1.4	16QAM	1	0	17.71	17.76	17.75			



Band 5_Ant11											
BW [MHz]	Modulation	RB Size	RB Offset	Power L1 [W]	Power M1 [W]	Power P1 [W]	Time-up Time [min]	MFR (dB)			
Channel											
Frequency [MHz]											
10	QPSK	1	0	22.47	22.60	22.55					
10	QPSK	1	25	22.59	22.64	22.51		23.8	0		
10	QPSK	1	49	22.60	22.47	22.51					
10	QPSK	25	0	22.47	22.58	22.44					
10	QPSK	25	12	22.48	22.50	22.53		23.8	0		
10	QPSK	25	25	22.41	22.52	22.49					
10	QPSK	50	0	22.51	22.50	22.51					
10	HQAM	1	0	22.25	22.36	22.32					
10	HQAM	1	25	22.36	22.44	22.33		23.8	0		
10	HQAM	1	49	22.32	22.35	22.41					
10	HQAM	25	0	21.48	21.53	21.52					
10	HQAM	25	12	21.49	21.54	21.52		22.8	1		
10	HQAM	25	25	21.44	21.61	21.53					
10	HQAM	50	0	21.43	21.51	21.53					
10	HQAM	1	0	21.33	21.46	21.31					
10	HQAM	1	25	21.36	21.78	21.78		22.8	1		
10	HQAM	1	49	21.28	21.80	21.83					
10	HQAM	25	0	20.70	20.81	20.55					
10	HQAM	25	12	20.62	20.80	20.87		21.8	2		
10	HQAM	25	25	20.51	20.71	20.81					
10	HQAM	50	0	20.63	20.71	20.84					
Channel											
Frequency [MHz]											
5	QPSK	1	0	22.29	22.34	22.44					
5	QPSK	1	12	22.32	22.43	22.43		23.8	0		
5	QPSK	1	24	22.37	22.40	22.40					
5	QPSK	12	0	22.34	22.41	22.51					
5	QPSK	12	7	22.25	22.36	22.40		23.8	0		
5	QPSK	25	0	22.30	22.38	22.38					
5	QPSK	25	0	22.37	22.38	22.38					
5	HQAM	1	0	22.24	22.36	22.36					
5	HQAM	1	12	22.33	22.36	22.40		23.8	0		
5	HQAM	1	24	21.36	22.29	22.41					
5	HQAM	12	0	21.27	21.38	21.50					
5	HQAM	12	7	21.34	21.31	21.39		22.8	1		
5	HQAM	25	0	21.23	21.31	21.39					
5	HQAM	1	0	21.11	21.43	21.41		22.8	1		
5	HQAM	1	12	21.48	21.60	21.71					
5	HQAM	12	0	20.45	20.84	20.79					
5	HQAM	12	7	20.53	20.55	20.53		21.8	2		
5	HQAM	25	0	20.42	20.54	20.50					
Channel											
Frequency [MHz]											
3	QPSK	1	0	22.24	22.41	22.41					
3	QPSK	1	8	22.44	22.38	22.42		23.8	0		
3	QPSK	1	14	22.46	22.32	22.34					
3	QPSK	8	0	22.35	22.40	22.36		23.8	0		
3	QPSK	8	6	22.29	22.42	22.41					
3	QPSK	8	7	22.26	22.41	22.45					
3	QPSK	15	0	22.29	22.33	22.44					
3	QPSK	15	0	22.30	22.38	22.37		23.8	0		
3	HQAM	1	8	22.36	22.32	22.33		23.8	0		
3	HQAM	1	14	22.32	22.32	22.41					
3	HQAM	8	0	21.29	21.46	21.51		22.8	1		
3	HQAM	8	6	21.40	21.47	21.48					
3	HQAM	8	7	21.34	21.50	21.48					
3	HQAM	15	0	21.29	21.28	21.39					
3	HQAM	15	0	21.12	21.38	21.37		22.8	1		
3	HQAM	1	8	21.31	21.62	21.63					
3	HQAM	1	14	21.29	21.61	21.27					
3	HQAM	8	0	20.44	20.84	20.79					
3	HQAM	8	4	20.45	20.57	20.59		21.8	2		
3	HQAM	8	7	20.50	20.67	20.63					
3	HQAM	15	0	20.42	20.53	20.60					
Channel											
Frequency [MHz]											
1.4	QPSK	1	0	22.18	22.37	22.41					
1.4	QPSK	1	3	22.38	22.41	22.39		23.8	0		
1.4	QPSK	1	5	22.41	22.40	22.43					
1.4	QPSK	3	0	22.17	22.34	22.32					
1.4	QPSK	3	1	22.40	22.46	22.32					
1.4	QPSK	3	3	22.42	22.31	22.42					
1.4	QPSK	0	0	22.28	22.32	22.34		23.8	0		
1.4	HQAM	1	3	22.29	22.45	22.42					
1.4	HQAM	1	5	22.41	22.42	22.33					
1.4	HQAM	3	0	22.31	22.36	22.36		23.8	0		
1.4	HQAM	3	1	22.31	22.36	22.33					
1.4	HQAM	3	3	22.33	22.35	22.33					
1.4	HQAM	0	0	21.27	21.36	21.36		22.8	1		
1.4	HQAM	3	0	21.51	21.39	21.45					
1.4	HQAM	1	3	21.48	20.36	21.15					
1.4	HQAM	1	5	21.57	21.39	21.18		22.8	1		
1.4	HQAM	3	0	21.33	21.33	21.38					
1.4	HQAM	3	1	21.09	21.33	21.43					
1.4	HQAM	3	3	21.40	21.34	21.30					
1.4	HQAM	0	0	20.38	20.33	20.33		21.8	2		

Band 5_Ant41											
BW [MHz]	Modulation	RB Size	RB Offset	Power L1 [W]	Power M1 [W]	Power P1 [W]	Power P2 [W]	Time-up Time [min]	MFR (dB)		
Channel											
Frequency [MHz]											
10	QPSK	1	0	23.46	23.65	23.54					
10	QPSK	1	25	23.37	23.67	23.56			24.8	0	
10	QPSK	1	49	23.48	23.58	23.50					
10	QPSK	25	0	23.32	23.63	23.52					
10	QPSK	25	12	22.5	22.51	22.58			23.8	1	
10	QPSK	25	25	23.49	22.55	22.57					
10	QPSK	50	0	23.32	23.59	23.47					
10	HQAM	1	0	22.84	22.88	22.81					
10	HQAM	1	25	22.68	22.89	22.8			23.8	1	
10	HQAM	1	49	22.79	22.91	22.86					
10	HQAM	25	0	21.52	21.52	21.45					
10	HQAM	25	12	21.40	21.47	21.56			22.8	2	
10	HQAM	25	25	21.48	21.58	21.55					
10	HQAM	50	0	21.54	21.69	21.53					
10	HQAM	1	0	21.37	21.68	21.82					
10	HQAM	1	25	21.64	21.75	21.36			22.8	2	
10	HQAM	1	49	21.40	21.5	21.58					
10	HQAM	25	0	20.6	20.7	20.4					
10	HQAM	25	12	20.87	20.7	20.8			21.8	3	
10	HQAM	25	25	20.63	20.79	20.71					
10	HQAM	50	0	20.81	20.7	20.71					
Channel											
Frequency [MHz]											
5	QPSK	1	0	23.35	23.66	23.41					
5	QPSK	1	12	23.33	23.66	23.43			24.8	0	
5	QPSK	1	24	23.60	23.46	23.45					
5	QPSK	12	0	23.33	23.39	23.51					
5	QPSK	12	7	22.27	23.38	23.45			23.8	1	
5	QPSK	25	0	23.31	23.39	23.39					
5	QPSK	25	0	23.31	22.40	22.40					
5	HQAM	1	0	22.73	22.50	22.32					
5	HQAM	1	12	22.84	22.88	22.75			23.8	1	
5	HQAM	1	24	21.34	21.45	21.49					
5	HQAM	12	0	21.31	21.49	21.52					
5	HQAM	12	7	21.19	21.31	21.32			22.8	2	
5	HQAM	25	0	21.24	21.36	21.34					
5	HQAM	25	0	21.25	21.45	21.43					
5	HQAM	1	0	21.31	21.38	21.69			22.8	2	
5	HQAM	1	12	21.68	21.48	21.50					
5	HQAM	12	0	20.47	20.61	20.75					
5	HQAM	12	7	20.48	20.54	20.54			21.8	3	
5	HQAM	25	0	20.52	20.55	20.55					
5	HQAM	25	0	20.48	20.51	20.56					
Channel											
Frequency [MHz]											
3	QPSK	1	0	23.36	23.44	23.52					
3	QPSK	1	8	23.36	23.33	23.34			24.8	0	
3	QPSK	1	14	23.32	23.38	23.41					
3	QPSK	8	0	22.34	22.34	22.40					
3	QPSK	8	4	23.32	22.34	22.43			23.8	1	
3	QPSK	8	7	23.33	22.40	22.46					
3	QPSK	15	0	22.38	22.38	22.42					
3	HQAM	1	0	22.23	22.76	22.48			23.8	1	
3	HQAM	1	8	22.45	22.59	22.59					
3	HQAM	1	14	22.65	22.72	22.79					
3	HQAM	8	0	21.41	21.36	21.53			22.8	2	
3	HQAM	8	4	21.4	21.36	21.50					
3	HQAM	8	7	21.32	21.44	21.41			22.8	2	
3	HQAM	15	0	21.36	21.46	21.39					
3	HQAM	1	0	21.32	21.32	21.62			22.8	2	
3	HQAM	1	8	21.48	21.62	21.61					
3	HQAM	1	14	21.38	21.61	21.57					
3	HQAM	8	0	20.49	20.50	20.69			21.8	3	
3	HQAM	8	4	20.63	20.45	20.61					
3	HQAM	8	7	20.62	20.47	20.58					
3	HQAM	15	0	20.33	20.47	20.63					
Channel											
Frequency [MHz]											
1.4	QPSK	1	0	23.33	23.48	23.49					
1.4	QPSK	1	3	23.40	23.55	23.44					
1.4	QPSK	3	0	23.31	23.45	23.46			24.8	0	
1.4	QPSK	3	1	23.33	23.33	23.33					
1.4	QPSK	3	2	23.33	23.33	23.33					
1.4	QPSK	6	0	22.29	22.37	22.45			23.8	1	
1.4	HQAM	1	0	22.51	22.70	22.39					
1.4	HQAM	1	3	22.51	22.73	22.46					
1.4	HQAM	3	0	22.54	22.49	22.58			23.8	1	
1.4	HQAM	3	1	22.57	22.54	22.45					
1.4	HQAM	3	2	22.41	22.45	22.56					
1.4	HQAM	6	0	22.29	22.42	22.45					
1.4	HQAM	6	0	21.34	21.48	21.36			22.8	2	
1.4	HQAM	1	0	21.45	21.61	21.23					
1.4	HQAM	1	3	21.45	21.68	21.48					
1.4	HQAM	3	0	21.29	21.34	21.39			22.8	2	
1.4	HQAM	3	3	21.45	21.59	21.51					
1.4	HQAM	1	1	21.35	21.58	21.57					
1.4	HQAM	3	1	21.42	21.42	21.48					
1.4	HQAM	6	0	20.41	20.54	20.52			21.8	3	

Band 12_Ant11															
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up time (dBm)	MPR (dB)							
Channel															
Frequency (MHz)															
10	QPSK	1	0	23.78	23.57	23.83		25	0						
10	QPSK	1	25	23.85	23.86	23.75									
10	QPSK	1	49	23.83	23.80	23.84									
10	QPSK	25	0	22.60	22.74	22.81									
10	QPSK	25	12	22.67	22.86	22.85									
10	QPSK	25	25	22.64	22.67	22.64		24	1						
10	QPSK	50	0	22.68	22.72	22.64									
10	QPSK	25	0	22.69	22.84	22.64									
10	HQAM	1	25	22.77	22.84	22.89									
10	HQAM	1	49	22.52	22.68	22.85									
10	HQAM	25	0	21.75	21.83	21.80		23	2						
10	HQAM	25	12	21.89	21.92	21.85									
10	HQAM	25	25	21.89	21.81	21.84									
10	HQAM	50	0	21.89	21.79	21.94									
10	HQAM	1	0	21.85	22.05	21.95									
10	HQAM	1	25	22.13	22.07	21.96		22	3						
10	HQAM	1	49	22.13	21.95	21.99									
10	HQAM	25	0	20.74	20.80	20.70									
10	HQAM	25	12	20.83	20.80	20.87									
10	HQAM	25	25	20.77	20.80	20.83									
10	HQAM	50	0	20.78	20.80	20.83		Turn-up time (dBm)	MPR (dB)						
Channel															
Frequency (MHz)															
5	QPSK	1	0	23.57	23.75	23.69		25	0						
5	QPSK	1	12	23.67	23.67	23.67									
5	QPSK	1	24	23.71	23.72	23.85									
5	QPSK	12	0	22.81	22.82	22.72									
5	QPSK	12	7	22.86	22.84	22.88									
5	QPSK	12	13	22.75	22.86	22.86		24	1						
5	QPSK	25	0	22.69	22.81	22.68									
5	HQAM	1	0	22.81	22.74	22.56									
5	HQAM	1	12	22.14	22.56	22.46									
5	HQAM	1	24	22.10	22.59	22.88									
5	HQAM	12	0	21.89	21.86	21.77		23	2						
5	HQAM	12	7	21.79	21.91	21.84									
5	HQAM	12	13	21.87	21.86	21.86									
5	HQAM	25	0	21.87	21.82	21.83									
5	HQAM	1	0	21.83	21.83	21.88									
5	HQAM	1	12	21.82	21.91	22.10		22	3						
5	HQAM	1	24	21.85	22.16	22.25									
5	HQAM	12	0	20.82	20.85	20.85									
5	HQAM	12	7	20.82	20.80	20.85									
5	HQAM	12	0	20.89	20.83	20.83									
Channel															
Frequency (MHz)															
3	QPSK	1	0	23.67	23.59	23.73		25	0						
3	QPSK	1	5	23.79	23.76	23.77									
3	QPSK	1	14	23.73	23.68	23.85									
3	QPSK	3	0	23.59	23.64	23.74									
3	QPSK	3	6	23.63	23.61	23.70									
3	QPSK	8	7	23.66	23.63	23.69		24	1						
3	QPSK	15	0	22.60	22.60	22.68									
3	QPSK	15	7	22.65	22.62	22.61									
3	HQAM	1	8	23.02	23.05	23.08									
3	HQAM	1	14	22.59	22.81	23.11									
3	HQAM	3	0	22.60	22.60	22.68		24	1						
3	HQAM	3	6	22.61	22.61	22.61									
3	HQAM	8	7	21.90	21.89	21.91									
3	HQAM	8	7	21.96	21.88	21.95									
3	HQAM	15	0	21.86	21.77	21.89									
3	HQAM	15	7	21.86	21.79	21.89		23	2						
3	HQAM	1	8	22.01	22.03	22.07									
3	HQAM	1	14	21.91	21.90	21.98									
3	HQAM	3	0	22.60	22.60	22.68									
3	HQAM	3	6	22.65	22.65	22.65									
3	HQAM	8	7	20.80	20.80	20.80		22	3						
3	HQAM	8	7	20.85	20.80	20.80									
3	HQAM	15	0	20.76	20.68	20.76									
Channel															
Frequency (MHz)															
1.4	QPSK	1	0	23.67	23.59	23.73		25	0						
1.4	QPSK	1	5	23.79	23.76	23.77									
1.4	QPSK	1	5	23.63	23.55	23.81									
1.4	QPSK	3	0	23.54	23.68	23.62									
1.4	QPSK	3	1	23.69	23.68	23.72									
1.4	QPSK	3	3	23.64	23.72	23.71		24	1						
1.4	QPSK	0	0	23.64	23.64	23.67									
1.4	HQAM	1	0	22.97	22.92	23.12									
1.4	HQAM	1	3	22.86	22.73	22.86									
1.4	HQAM	1	5	22.91	22.89	22.83									
1.4	HQAM	3	0	22.60	22.72	22.77		24	1						
1.4	HQAM	3	1	22.61	22.60	22.61									
1.4	HQAM	3	3	22.63	22.59	22.83									
1.4	HQAM	0	0	21.81	21.90	22.11									
1.4	HQAM	0	0	22.06	22.08	22.21									
1.4	HQAM	1	3	22.12	22.15	21.86		23	2						
1.4	HQAM	1	5	21.90	21.79	21.72									
1.4	HQAM	3	0	21.95	22.05	21.68									
1.4	HQAM	3	1	22.05	21.93	22.09									
1.4	HQAM	3	3	22.07	22.04	22.08									
1.4	HQAM	0	0	20.72	20.94	20.85		22	3						
1.4	HQAM	0	0	20.72	20.94	20.85									
1.4	HQAM	0	0	20.72	20.94	20.85									
1.4	HQAM	0	0	20.72	20.94	20.85									
1.4	HQAM	0	0	20.72	20.94	20.85									

Band 12_Ant41											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq [dBm]	Power Mid Ch / Freq [dBm]	Power High Ch / Freq [dBm]	Turn-up time (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
10	QPSK	1	0	23.70	23.70	23.80		25	0		
10	QPSK	1	25	23.86	23.89	23.85					
10	QPSK	1	49	23.81	23.79	23.71					
10	QPSK	25	12	22.68	22.73	22.87					
10	QPSK	25	25	22.70	22.69	22.64					
10	QPSK	25	0	22.64	22.71	22.86		24	1		
10	HQAM	1	0	22.90	22.58	22.58					
10	HQAM	1	25	22.75	22.91	22.77					
10	HQAM	1	49	22.81	23.20	23.34					
10	HQAM	25	12	21.88	21.90	21.82					
10	HQAM	25	25	21.92	21.82	21.85		23	2		
10	HQAM	50	0	21.82	21.82	21.89					
10	HQAM	1	0	21.80	22.07	22.20					
10	HQAM	1	25	22.22	21.97	21.79					
10	HQAM	1	49	21.90	21.81	21.99					
10	HQAM	25	0	20.88	20.86	21.06		22	3		
10	HQAM	25	12	20.91	20.92	20.83					
10	HQAM	25	25	20.81	20.77	20.89					
10	HQAM	50	0	20.88	20.94	20.92					
10	HQAM	50	0	20.88	20.94	20.92					
Channel											
Frequency (MHz)											
5	QPSK	1	0	23.62	23.62	23.80		25	0		
5	QPSK	1	12	23.68	23.70	23.78					
5	QPSK	1	24	23.67	23.70	23.82					
5	QPSK	12	0	22.82	22.88	22.86					
5	QPSK	12	7	22.83	22.85	22.71					
5	QPSK	12	13	22.86	22.83	22.86		24	1		
5	QPSK	25	0	22.68	22.69	22.69					
5	HQAM	1	0	22.68	22.73	23.00					
5	HQAM	1	12	22.09	22.80	22.87					
5	QPSK	1	0	23.62	23.62	23.80		25	0		
5	QPSK	1	12	23.68	23.70	23.78					
5	QPSK	1	24	23.67	23.70	23.82					
5	QPSK	12	0	22.82	22.88	22.86					
5	QPSK	12	7	22.83	22.85	22.71					
5	QPSK	12	13	22.86	22.83	22.86		24	1		
5	QPSK	25	0	22.68	22.69	22.69					
5	HQAM	1	0	22.68	22.73	23.00					
5	HQAM	1	12	22.09	22.80	22.87					
5	QPSK	1	0	23.62	23.62	23.80		25	0		
5	QPSK	1	12	23.68	23.70	23.78					
5	QPSK	1	24	23.67	23.70	23.82					
5	QPSK	12	0	22.82	22.88	22.86					
5	QPSK	12	7	22.83	22.85	22.71					
5	QPSK	12	13	22.86	22.83	22.86		24	1		
5	QPSK	25	0	22.68	22.69	22.69					
5	HQAM	1	0	22.68	22.73	23.00					
5	HQAM	1	12	22.09	22.80	22.87					
5	QPSK	1	0	23.62	23.62	23.80		25	0		
5	QPSK	1	12	23.68	23.70	23.78					
5	QPSK	1	24	23.67	23.70	23.82					
5	QPSK	12	0	22.82	22.88	22.86					
5	QPSK	12	7	22.83	22.85	22.71					
5	QPSK	12	13	22.86	22.83	22.86		24	1		
5	QPSK	25	0	22.68	22.69	22.69					
5	HQAM	1	0	22.68	22.73	23.00					
5	HQAM	1	12	22.09	22.80	22.87					
5	QPSK	1	0	23.62	23.62	23.80		25	0		
5	QPSK	1	12	23.68	23.70	23.78					
5	QPSK	1	24	23.67	23.70	23.82					
5	QPSK	12	0	22.82	22.88	22.86					
5	QPSK	12	7	22.83	22.85	22.71					
5	QPSK	12	13	22.86	22.83	22.86		24	1		
5	QPSK	25	0	22.68	22.69	22.69					
5	HQAM	1	0	22.68	22.73	23.00					
5	HQAM	1	12	22.09	22.80	22.87					
5	QPSK	1	0	23.62	23.62	23.80		25	0		
5	QPSK	1	12	23.68	23.70	23.78					
5	QPSK	1	24	23.67	23.70	23.82					
5	QPSK	12	0	22.82	22.88	22.86					
5	QPSK	12	7	22.83	22.85	22.71					
5	QPSK	12	13	22.86	22.83	22.86		24	1		
5	QPSK	25	0	22.68	22.69	22.69					
5	HQAM	1	0	22.68	22.73	23.00					
5	HQAM	1	12	22.09	22.80	22.87					
5	QPSK	1	0	23.62	23.62	23.80		25	0		
5	QPSK	1	12	23.68	23.70	23.78					
5	QPSK	1	24	23.67	23.70	23.82					
5	QPSK	12	0	22.82	22.88	22.86					
5	QPSK	12	7	22.83	22.85	22.71					
5	QPSK	12	13	22.86	22.83	22.86		24	1		
5	QPSK	25	0	22.68	22.69	22.69					
5	HQAM	1	0	22.68	22.73	23.00					
5	HQAM	1	12	22.09	22.80	22.87					
5	QPSK	1	0	23.62	23.62	23.80		25	0		
5	QPSK	1	12	23.68	23.70	23.78					
5	QPSK	1	24	23.67	23.70	23.82					
5	QPSK	12	0	22.82	22.88	22.86					
5	QPSK	12	7	22.83	22.85	22.71					
5	QPSK	12	13	22.86	22.83	22.86		24	1		
5	QPSK	25	0	22.68	22.69	22.69					
5	HQAM	1	0	22.68	22.73	23.00					
5	HQAM	1	12	22.09	22.80	22.87					
5	QPSK	1	0	23.62	23.62	23.80		25	0		
5	QPSK	1	12	23.68	23.70	23.78					
5	QPSK	1	24	23.67	23.70	23.82					
5	QPSK	12	0	22.82	22.88	22.86					
5	QPSK	12	7	22.83	22.85	22.71					
5	QPSK	12	13	22.86	22.83	22.86		24	1		
5	QPSK	25	0	22.68	22.69	22.69					
5	HQAM	1	0	22.68	22.73	23.00					
5	HQAM	1	12	22.09	22.80	22.87					
5	QPSK	1	0	23.62	23.62	23.80		25	0		
5	QPSK	1	12	23.68	23.70	23.78					
5	QPSK	1	24	23.67	23.70	23.82					
5	QPSK	12	0	22.82	22.88	22.86					
5	QPSK	12	7	22.83	22.85	22.71					
5	QPSK	12	13	22.86	22.83	22.86		24	1		
5	QPSK	25	0	22.68	22.69	22.69					
5	HQAM	1	0	22.68	22.73	23.00					
5	HQAM	1	12	22.09	22.80	22.87					
5	QPSK	1	0	23.62	23.62	23.80		25	0		
5	QPSK	1	12	23.68	23.70	23.78					
5	QPSK	1	24	23.67	23.70	23.82					
5	QPSK	12	0	22.82	22.88	22.86					
5	QPSK	12	7	22.83	22.85	22.71					
5	QPSK	12	13	22.86	22.83	22.86		24	1		
5	QPSK	25	0	22.68	22.69	22.69					
5	HQAM	1	0	22.68	22.73	23.00					
5	HQAM	1	12	22.09	22.80	22.87					
5	QPSK	1	0	23.62	23.62	23.80		25	0		
5	QPSK	1	12	23.68	23.70	23.78					
5	QPSK	1	24	23.67	23.70	23.82					
5	QPSK	12	0	22.82	22.88	22.86					
5	QPSK	12	7	22.83	22.85	22.71					
5	QPSK	12	13	22.86	22.83	22.86		24	1		
5	QPSK	25	0	22.68	22.69	22.69					
5	HQAM	1	0	22.68	22.73	23.00					
5	HQAM	1	12	22.09	22.80	22.87					
5	QPSK	1	0	23.62	23.62	23.80		25	0		
5	QPSK	1	12	23.68	23.70	23.78					
5	QPSK	1	24	23.67	23.70	23.82					
5	QPSK	12	0	22.82	22.88	22.86					
5	QPSK	12	7	22.83	22.85	22.71					
5	QPSK	12	13	22.86	22.83	22.86		24	1		
5	QPSK	25	0	22.68	22.69	22.69					
5	HQAM	1	0	22.68	22.73	23.00					
5	HQAM	1	12	22.09	22.80	22.87					
5	QPSK	1	0	23.62	23.62	23.80		25	0		
5	QPSK	1	12	23.68	23.70	23.78					
5	QPSK	1	24	23.67	23.70	23.82					
5	QPSK	12	0	22.82	22.88	22.86					
5	QPSK	12	7	22.83	22.85	22.71					
5	QPSK	12	13	22.86	22.83	22.86		24	1		
5	QPSK	25	0	22.68	22.69	22.69					
5	HQAM	1	0	22.68	22.73	23.00					
5	HQAM	1	12	22.09	22.80	22.87					
5	QPSK	1	0	23.62	23.62	23.80		25	0		
5	QPSK	1	12	23.68	23.70	23.78					
5	QPSK	1	24	23.67	23.70	23.82					
5	QPSK	12	0	22.82	22.88	22.86					
5	QPSK	12	7	22.83	22.85	22.71					
5	QPSK	12	13	22.86	22.83	22.86		24	1		
5	QPSK	25	0	22.68	22.69	22.69					
5	HQAM	1	0	22.68	22.73	23.00					
5	HQAM	1	12	22.09	22.80	22.87					
5	QPSK	1	0	23.62	23.62	23.80		25	0		
5	QPSK	1	12	23.68	23.70	23.78					
5	QPSK	1	24	23.67	23.70	23.82					
5	QPSK	12	0	22.82	22.88	22.86					
5	QPSK	12	7	22.83	22.85	22.71					
5	QPSK	12	13	22.86	22.83	22.86		24	1		
5	QPSK	25	0	22.68	22.69	22.69					
5	HQAM	1	0	22.68	22.73	23.00					
5	HQAM	1	12	22.09	22.80	22.87					
5	QPSK	1	0	23.62	23.62	23.80		25	0		
5	QPSK	1	12	23.68	23.70	23.78					
5	QPSK	1	24	23.67	23.70	23.82					
5	QPSK	12	0	22.82	22.88	22.86					
5	QPSK	12	7	22.83	22.85	22.71					
5	QPSK	12	13	22.86							



Band 17_Ant11														
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Main Ch / Freq.	Power High Ch / Freq.	Turn-up rate (dB/s)	MPR (dB)						
Channel				23760	23790	23805								
Frequency (MHz)														
10	QPSK	1	0	23.63	23.71	23.84	24.5	0						
10	QPSK	1	25	23.71	23.75	23.72								
10	QPSK	1	49	23.68	23.49	23.67								
10	QPSK	25	0	22.64	22.68	22.66	24	0.5						
10	QPSK	25	12	22.61	22.61	22.67								
10	QPSK	25	25	22.68	22.67	22.63								
10	QPSK	30	0	22.68	22.71	22.69	24	1						
10	16QAM	1	0	22.66	23.01	23.01								
10	16QAM	1	25	22.64	22.68	22.48								
10	16QAM	1	49	22.65	22.60	22.62	23	2						
10	16QAM	25	0	21.62	21.77	21.50								
10	16QAM	25	12	21.67	21.96	21.80								
10	16QAM	25	25	21.66	21.86	21.85	23	2						
10	16QAM	30	0	21.60	21.62	21.67								
10	16QAM	1	0	21.59	21.87	21.75								
10	16QAM	1	25	21.70	22.17	22.17	22	3						
10	16QAM	1	49	21.51	21.50	22.18								
10	16QAM	25	0	20.75	20.86	20.90								
10	16QAM	25	12	20.71	20.77	20.82	22	3						
10	16QAM	25	25	20.67	20.92	20.75								
10	16QAM	30	0	20.65	20.52	20.86								
Channel				23760	23790	23805	Turn-up rate (dB/s)	MPR (dB)						
Frequency (MHz)														
5	QPSK	1	0	23.61	23.64	23.67	24.5	0						
5	QPSK	1	12	23.44	23.67	23.69								
5	QPSK	1	24	23.60	23.64	23.63								
5	QPSK	12	0	22.68	22.68	22.68	24	1						
5	QPSK	12	7	22.66	22.68	22.60								
5	QPSK	12	13	22.57	22.62	22.52								
5	QPSK	25	0	22.57	22.64	22.53	24	1						
5	16QAM	1	0	22.52	22.66	22.53								
5	16QAM	1	12	22.71	22.56	22.75								
5	16QAM	1	24	23.03	22.49	23.17	23	2						
5	16QAM	12	0	21.72	21.75	21.76								
5	16QAM	12	7	21.69	21.74	21.71								
5	16QAM	1	0	21.68	22.00	22.16	23	2						
5	16QAM	1	24	21.62	22.02	22.00								
5	16QAM	12	0	20.69	20.50	20.84								
5	16QAM	12	7	20.72	20.66	20.84	22	3						
5	16QAM	12	13	20.72	20.76	20.68								
5	16QAM	25	0	20.74	20.77	20.68								

Band 17_Ant41																
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Main Ch / Freq.	Power High Ch / Freq.	Turn-up rate (dB/s)	MPR (dB)								
Channel				23760	23790	23805										
Frequency (MHz)																
10	QPSK	1	0	23.20	23.18	23.23	24.5	0								
10	QPSK	1	25	23.08	23.31	23.19										
10	QPSK	1	49	23.29	23.27	23.30										
10	QPSK	25	0	22.64	22.68	22.67	24	0.5								
10	QPSK	25	12	22.62	22.61	22.63										
10	QPSK	25	25	22.60	22.65	22.65										
10	QPSK	30	0	22.68	22.72	22.67	24	0.5								
10	16QAM	1	0	22.94	23.05	23.05										
10	16QAM	1	25	22.69	23.20	22.96										
10	16QAM	1	49	22.17	22.65	22.27	23	1.5								
10	16QAM	25	0	21.62	21.67	21.55										
10	16QAM	25	12	21.78	21.84	21.89										
10	16QAM	25	25	21.63	21.79	21.91	23	1.5								
10	16QAM	30	0	21.77	21.74	21.85										
10	16QAM	1	0	21.67	21.81	21.98										
10	16QAM	1	25	21.77	21.90	22.09	22	1.5								
10	16QAM	1	49	22.24	21.89	22.00										
10	16QAM	25	0	20.62	20.77	20.86										
10	16QAM	25	12	20.60	20.61	20.61	22	2.5								
10	16QAM	25	25	20.63	20.63	20.74										
10	16QAM	30	0	20.63	20.45	20.81										
Channel				23765	23790	23820	Turn-up rate (dB/s)	MPR (dB)								
Frequency (MHz)																
5	QPSK	1	0	23.18	23.20	23.17	24.5	0								
5	QPSK	1	12	23.08	23.22	23.28										
5	QPSK	1	24	23.36	23.38	23.27										
5	QPSK	12	0	22.63	22.68	22.65	24	0.5								
5	QPSK	12	7	22.68	22.62	22.58										
5	QPSK	12	13	22.49	22.63	22.40										
5	QPSK	25	0	22.65	22.68	22.58	24	0.5								
5	16QAM	1	0	22.62	23.03	22.97										
5	16QAM	1	12	22.63	23.24	22.88										
5	16QAM	1	24	23.11	22.86	23.21	23	1.5								
5	16QAM	12	0	21.76	21.79	21.96										
5	16QAM	12	7	21.69	21.81	21.81										
5	16QAM	1	0	21.74	21.71	21.83	23	1.5								
5	16QAM	1	12	21.79	21.89	22.04										
5	16QAM	1	24	22.16	21.83	21.39										
5	16QAM	12	0	20.76	20.72	20.75	22	2.5								
5	16QAM	12	7	20.68	20.69	20.69										
5	16QAM	12	13	20.73	20.74	20.69										
5	16QAM	25	0	20.77	20.77	20.78										

Band 18_Ant 11											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Main Ch / Freq.	Power High Ch / Freq.	Turn-up rate (dB/s)	MPR (dB)			
Channel				23805							
Frequency (MHz)				23805							
15	QPSK	1	0	22.92	22.92	22.92	24.5	0			
15	QPSK	1	37	22.96	22.96	22.96					
15	QPSK	1	74	22.90	22.90	22.90					
15	QPSK	36	0	22.92	22.92	22.92	24	0.5			
15	QPSK	36	36	22.97	22.97	22.97					
15	QPSK	36	59	22.95	22.95	22.95					
15	QPSK	75	0	22.92	22.92	22.92	24	0.5			
15	16QAM	1	0	22.72	22.72	22.72					
15	16QAM	1	37	22.48	22.48	22.48					
15	16QAM	1	74	22.72	22.72	22.72	23	1.5			
15	16QAM	36	0	23.26	23.26	23.26					
15	16QAM	36	36	23.30	23.30	23.30					
15	16QAM	75	0	23.24	23.24	23.24	23	1.5			
15	16QAM	75	0	23.34	23.34	23.34					
15	16QAM	75	0	23.38	23.38	23.38					
15	16QAM	1	37	23.01	23.01	23.01	23	1.5			
15	16QAM	1	74	23.09	23.09	23.09					
15	16QAM	36	0	23.42	23.42	23.42					
15	16QAM	36	36	23.46	23.46	23.46	22	2.5			
15	16QAM	36	59	23.58	23.58	23.58					
15	16QAM	75	0	23.62	23.62	23.62					
Channel				23805	23805	23805	Turn-up rate (dB/s)	MPR (dB)			
Frequency (MHz)				23805	23805	23805					
10	QPSK	1	0	22.89	22.78	22.87	24.5	0			
10	QPSK	1	26	22.75	22.84	22.81					
10	QPSK	1	49	22.70	22.73	22.73					
10	QPSK	1	69	22.98	23.31	23.27	24	0.5			
10	QPSK	25	12	23.34	23.26	23.29					
10	QPSK	25	26	23.18	23.33	23.38					
10	QPSK	1	0	22.92	22.43	22.22	24	0.5			
10	16QAM	1	0	22.72	22.46	22.33					
10	16QAM	1	26	22.32	22.31	22.31					
10	16QAM	1	49	22.61	22.70	22.69	23	1.5			
10	16QAM	1	69	23.26	23.27	23.27					
10	16QAM	25	12	23.31	23.21	23.38					
10	16QAM	25	26	23.19	23.39	23.28	23	1.5			
10	16QAM	25	12	23.15	23.24	23.24					
10	16QAM	1	0	21.62	21.38	21.62					
10	16QAM	1	26	21.06	21.47	21.40	23	1.5			
10	16QAM	1	49	21.52	21.46	21.12					
10	16QAM	25	12	20.97	20.27	20.41					
10	16QAM	25	12	20.44	20.46	20.47	22	2.5			
10	16QAM	25	26	20.63	20.63	20.63					
10	16QAM	25	26	20.63	20.46	20.46					
Channel				23815	23805	23805	Turn-up rate (dB/s)	MPR (dB)			
Frequency (MHz)				23815	23805	23815					
5	QPSK	1	0	22.87	22.91	22.85	24.5	0			
5	QPSK	1	12	22.94	22.87	22.92					
5	QPSK	1	24	22.81	22.81	22.84					
5	QPSK	12	0	22.36	22.30	22.24	24	0.5			
5	QPSK	12	7	22.37	22.24	22.32					
5	QPSK	12	23	22.35	22.29	22.35					
5	QPSK	25	0	22.28	22.27	22.19	23	1.5			
5	16QAM	1	0	22.72	22.63	22.33					
5	16QAM	1	12	22.36	22.29	22.33					
5	16QAM	12	0	21.23	21.18	21.18	23	1.5			
5	16QAM	12	7	21.40	21.29	21.41					
5	16QAM	25	0	21.38	21.28	21.28					
5	16QAM	25	0	21.09	21.32	21.23	23	1.5			
5	16QAM	1	0	21.63	21.26	21.63					
5	16QAM	1	12	21.04	21.48	21.38					
5	16QAM	12	0	21.66	21.41	21.46	22	2.5			
5	16QAM	12	0	20.47	20.38	20.31					
5	16QAM	12	7	20.45	20.42	20.48					
5	16QAM	25	0	20.54	20.37	20.43	22	2.5			
5	16QAM	25	0	20.47	20.39	20.43					
5	16QAM	25	7	20.47	20.39	20.43					

Band 19_Ant 11															
BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch./F/Freq.	Power Margin Ch./F/Freq.	Power Freq. Ch./F/Freq.	Time-out Time (min)	MFR (dB)							
Channel															
Frequency (MHz)															
15	QPSK	1	0	22.47	22.48	22.54	23.9	0							
15	QPSK	1	37	22.38	22.55	22.40									
15	QPSK	1	74	22.44	22.50	22.50									
15	QPSK	36	20	22.25	22.43	22.29									
15	QPSK	36	39	22.35	22.46	22.38	23.9	0							
15	QPSK	75	0	22.39	22.45	22.37									
15	16QAM	1	0	22.42	22.38	22.49									
15	16QAM	1	37	22.34	22.44	22.38									
15	16QAM	1	74	22.51	22.31	22.37	22.9	1							
15	16QAM	36	0	21.62	21.44	21.47									
15	16QAM	36	20	21.57	21.35	21.54									
15	16QAM	36	39	21.57	21.45	21.60									
15	16QAM	75	0	21.48	21.43	21.49	22.9	1							
15	16QAM	1	0	21.49	21.67	21.55									
15	16QAM	1	37	21.77	21.66	21.63									
15	16QAM	1	74	21.29	21.59	21.85									
15	16QAM	36	0	20.75	20.54	20.67	21.9	2							
15	16QAM	36	20	20.63	20.73	20.88									
15	16QAM	36	39	20.74	20.85	20.79									
15	16QAM	75	0	20.84	20.65	20.67									
Channel															
Frequency (MHz)															
10	QPSK	1	0	22.38	22.42	22.43	23.9		0						
10	QPSK	1	25	22.28	22.50	22.39									
10	QPSK	1	49	22.31	22.48	22.37									
10	QPSK	25	0	22.40	22.44	22.47									
10	QPSK	25	12	22.08	22.38	22.12	23.9	0							
10	QPSK	25	25	22.20	22.48	22.26									
10	QPSK	50	0	22.15	22.38	22.22									
10	16QAM	1	0	22.31	22.35	22.38									
10	16QAM	1	25	22.25	22.41	22.37	23.9	0							
10	16QAM	1	49	22.21	22.34	22.27									
10	16QAM	25	0	21.65	21.26	21.40									
10	16QAM	25	12	21.56	21.29	21.53									
10	16QAM	25	25	21.44	21.30	21.47	22.9	1							
10	16QAM	50	0	21.46	21.37	21.43									
10	16QAM	1	0	21.37	21.64	21.50									
10	16QAM	1	25	21.74	21.61	21.60									
10	16QAM	1	49	21.20	21.39	21.75	21.9	2							
10	16QAM	25	0	20.59	20.54	20.51									
10	16QAM	25	12	20.48	20.55	20.53									
10	16QAM	25	25	20.54	20.59	20.60									
10	16QAM	50	0	20.65	20.48	20.48									
Channel															
Frequency (MHz)															
5	QPSK	1	0	22.43	22.45	22.39				23.9	0				
5	QPSK	1	12	22.25	22.44	22.25									
5	QPSK	1	24	22.27	22.45	22.33									
5	QPSK	12	0	22.31	22.48	22.38									
5	QPSK	12	7	22.23	22.40	22.37	23.9	0							
5	QPSK	12	13	22.19	22.29	22.25									
5	QPSK	25	0	22.14	22.33	22.21									
5	16QAM	1	0	22.23	22.16	22.39									
5	16QAM	1	12	22.25	22.38	22.29	23.9	0							
5	16QAM	1	24	22.18	22.16	22.22									
5	16QAM	12	0	21.52	21.38	21.37									
5	16QAM	12	7	21.58	21.21	21.53									
5	16QAM	12	13	21.47	21.27	21.60	22.9	1							
5	16QAM	25	0	21.34	21.42	21.28									
5	16QAM	1	0	21.31	21.54	21.47									
5	16QAM	1	12	21.77	21.47	21.63									
5	16QAM	1	24	21.18	21.46	21.74	21.9	2							
5	16QAM	12	0	20.64	20.38	20.58									
5	16QAM	12	7	20.51	20.60	20.56									
5	16QAM	12	13	20.65	20.61	20.64									
5	16QAM	25	0	20.67	20.48	20.50									

Band 19_Ant 41										
BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch./F/Freq.	Power Margin Ch./F/Freq.	Power Freq. Ch./F/Freq.	Time-out (min)	MFR (dB)		
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.73			24.4	0		
15	QPSK	1	37	22.38						
15	QPSK	1	74	22.71						
15	QPSK	36	0	22.32						
15	QPSK	36	39	22.29			23.9	0.5		
15	QPSK	75	0	22.33						
15	16QAM	1	0	22.58						
15	16QAM	1	37	22.62						
15	16QAM	1	74	22.69			23.9	0.5		
15	16QAM	36	0	21.64						
15	16QAM	36	20	21.17						
15	16QAM	36	39	21.27						
15	16QAM	75	0	21.49			22.9	1.5		
15	16QAM	1	0	21.49						
15	16QAM	1	37	21.36						
15	16QAM	1	74	20.50						
15	16QAM	36	0	20.35			21.9	2.5		
15	16QAM	36	20	20.29						
15	16QAM	36	39	20.44						
15	16QAM	75	0	20.24						
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.79	22.81	22.81	24.4		0	
10	QPSK	1	25	22.62	22.84	22.88				
10	QPSK	1	49	22.69	22.74	22.83				
10	QPSK	25	0	22.17	22.13	22.17				
10	QPSK	25	12	22.25	22.11	22.28	23.9	0.5		
10	QPSK	25	25	22.21	22.21	22.14				
10	QPSK	50	0	22.18	22.29	22.18				
10	16QAM	1	0	22.33	22.62	22.59				
10	16QAM	1	25	22.58	22.67	22.76	23.9	0.5		
10	16QAM	1	49	22.35	22.65	22.61				
10	16QAM	25	0	21.17	21.69	21.14				
10	16QAM	25	12	21.00	21.22	21.17				
10	16QAM	25	25	21.22	21.29	21.29	22.9	1.5		
10	16QAM	50	0	21.29	21.15	21.29				
10	16QAM	1	0	21.08	21.49	21.44				
10	16QAM	1	25	21.34	21.52	21.53				
10	16QAM	1	49	21.17	20.98	21.06	21.9	2.5		
10	16QAM	25	0	20.31	20.42	20.24				
10	16QAM	25	12	20.44	20.33	20.41				
10	16QAM	25	25	20.46	20.36	20.29				
10	16QAM	50	0	20.51	20.51	20.74				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.62	22.67	22.67	24.4	0		
5	QPSK	1	12	22.42	22.60	22.75				
5	QPSK	1	24	22.69	22.68	22.68				
5	QPSK	12	0	22.06	22.14	22.05				
5	QPSK	12	7	22.15	22.11	22.15	23.9	0.5		
5	QPSK	12	14	22.17	22.11	22.17				
5	QPSK	24	0	22.12	22.28	22.10				
5	16QAM	1	0	22.35	22.60	22.52				
5	16QAM	1	12	22.47	22.62	22.60	23.9	0.5		
5	16QAM	1	24	22.31	22.62	22.62				
5	16QAM	12	0	21.15	21.10	21.13				
5	16QAM	12	7	21.11	21.22	21.28				
5	16QAM	12	14	21.17	21.11	21.17	22.9	1.5		
5	16QAM	24	0	21.17	21.23	21.08				
5	16QAM	1	0	21.18	21.43	21.54				
5	16QAM	1	12	21.38	21.51	21.41				
5	16QAM	12	0	20.37	20.38	20.20	21.9	2.5		
5	16QAM	12	7	20.34	20.43	20.31				
5	16QAM	12	14	20.37	20.46	20.29				
5	16QAM	24	0	20.53	20.41	20.36				

Band 66_Ant14														
NR (MHz)	Modulation	RB Size	RB Offset	Power Level Ch. / Freq.	Power Margin Ch. / Freq.	Power Age Ch. / Freq.	Time-to- live (s/min)	MPE (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	18.04	19.27	18.12	20.5	0	20	0				
20	QPSK	1	48	18.25	19.40	18.31								
20	QPSK	1	96	18.69	19.17	18.15								
20	QPSK	50	0	18.12	18.18	18.08	20.5	0	20	0				
20	QPSK	50	24	18.03	18.05	18.17								
20	QPSK	50	50	18.85	18.85	18.06								
20	HQAM	1	0	18.94	19.18	18.14	20.5	0	20	0				
20	HQAM	1	48	18.94	19.04	18.92								
20	HQAM	1	96	18.96	19.06	18.97								
20	HQAM	50	0	18.92	18.94	18.14	20.5	0	20	0				
20	HQAM	50	24	18.94	19.01	18.06								
20	HQAM	50	50	18.89	18.14	18.97								
20	HQAM	100	0	18.89	18.97	18.06	20.5	0	20	0				
20	HQAM	1	0	18.92	18.96	18.95								
20	HQAM	1	48	18.97	19.22	18.08								
20	HQAM	1	96	18.98	18.14	18.15	20.5	0	20	0				
20	HQAM	50	0	18.94	18.94	18.97								
20	HQAM	50	24	18.95	19.05	18.08								
20	HQAM	50	50	19.04	18.26	18.18								
20	HQAM	100	0	18.94	18.95	18.95								
Channel														
Frequency (MHz)														
15	QPSK	1	0	18.97	19.25	18.01	20.5	0	20	0				
15	QPSK	1	32	18.97	19.25	18.21								
15	QPSK	1	74	18.96	19.18	18.18								
15	QPSK	36	0	18.98	18.08	18.93	20.5	0	20	0				
15	QPSK	36	20	18.98	18.18	18.93								
15	QPSK	36	36	18.79	18.94	18.93								
15	QPSK	75	0	18.79	19.05	18.97	20.5	0	20	0				
15	HQAM	1	0	18.87	19.18	18.06								
15	HQAM	1	32	18.79	18.98	18.89								
15	HQAM	1	74	18.93	18.93	18.99	20.5	0	20	0				
15	HQAM	36	0	18.84	18.22	18.01								
15	HQAM	36	20	18.84	18.95	18.91								
15	HQAM	36	36	18.81	18.98	18.91	20.5	0	20	0				
15	HQAM	75	0	18.00	19.08	18.99								
15	HQAM	1	0	18.78	18.88	18.06								
15	HQAM	1	32	18.94	18.18	18.93	20.5	0	20	0				
15	HQAM	1	74	18.89	18.13	18.97								
15	HQAM	36	0	18.91	18.94	18.94								
15	HQAM	36	20	18.81	18.85	18.94	20.5	0	20	0				
15	HQAM	36	36	18.94	18.15	18.94								
15	HQAM	75	0	18.80	18.97	18.93								
15	HQAM	1	0	18.86	18.81	18.86								
15	HQAM	1	20	18.88	18.18	18.91								
15	HQAM	1	48	18.96	18.07	18.11	20.5	0	20	0				
15	HQAM	25	0	18.93	18.98	18.83								
15	HQAM	25	12	18.87	18.97	18.98								
15	HQAM	25	20	18.99	18.13	18.97	20.5	0	20	0				
15	HQAM	50	0	18.77	18.92	18.91								
Channel														
Frequency (MHz)														
10	QPSK	1	0	18.01	19.23	18.99					20.5	0	20	0
10	QPSK	1	12	18.92	18.13	18.92								
10	QPSK	1	24	18.88	18.13	18.97								
10	QPSK	12	0	18.88	18.03	18.98	20.5	0	20	0				
10	QPSK	12	7	18.88	18.15	18.97								
10	QPSK	12	13	18.77	18.82	18.99								
10	QPSK	25	0	18.82	18.16	18.96	20.5	0	20	0				
10	HQAM	1	0	18.95	18.03	18.95								
10	HQAM	1	12	18.89	18.97	18.85								
10	HQAM	1	24	18.94	18.98	18.94	20.5	0	20	0				
10	HQAM	12	0	18.92	18.27	18.91								
10	HQAM	12	7	18.79	18.98	18.93								
10	HQAM	12	13	18.81	18.08	18.97	20.5	0	20	0				
10	HQAM	25	0	18.86	18.94	18.95								
10	HQAM	1	0	18.91	18.99	18.95								
10	HQAM	1	12	18.94	18.18	18.91	20.5	0	20	0				
10	HQAM	1	24	18.89	18.98	18.11								
10	HQAM	12	0	18.83	18.95	18.93								
10	HQAM	12	7	18.83	18.92	18.93	20.5	0	20	0				
10	HQAM	12	13	18.93	18.19	18.91								
10	HQAM	25	0	18.78	18.84	18.88								
Channel														
Frequency (MHz)														
5	QPSK	1	0	18.89	18.26	18.91	20.5	0	20	0				
5	QPSK	1	8	18.98	18.28	18.28								
5	QPSK	1	16	18.92	18.13	18.95								
5	QPSK	8	0	18.93	18.08	18.95	20.5	0	20	0				
5	QPSK	8	4	18.92	18.08	18.11								
5	QPSK	8	7	18.73	18.99	18.93								
5	QPSK	15	0	18.93	18.11	18.97	20.5	0	20	0				
5	HQAM	1	0	18.83	18.18	18.94								
5	HQAM	1	8	18.79	18.94	18.97								
5	HQAM	1	16	18.92	18.98	18.93	20.5	0	20	0				
5	HQAM	8	0	18.92	18.17	18.93								
5	HQAM	8	4	18.91	18.03	18.93								
5	HQAM	8	7	18.76	18.98	18.92	20.5	0	20	0				
5	HQAM	15	0	18.93	18.93	18.13								
5	HQAM	15	0	18.77	18.86	18.92								
5	HQAM	1	8	18.94	18.18	18.96	20.5	0	20	0				
5	HQAM	1	16	18.86	18.01	18.95								
5	HQAM	8	0	18.90	18.95	18.99								
5	HQAM	8	4	18.89	18.97	18.94	20.5	0	20	0				
5	HQAM	8	7	18.91	18.22	18.85								
5	HQAM	15	0	18.82	18.97	18.91								
Channel														

Band 38_Ant31									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	22.54	22.66	22.50	23.8	0	
20	QPSK	1	49	22.76	22.66	22.50			
20	QPSK	1	99	22.56	22.64	22.57			
20	QPSK	50	0	22.65	22.55	22.52			
20	QPSK	50	24	22.56	22.52	22.56	23.8	0	
20	QPSK	50	50	22.48	22.58	22.60			
20	QPSK	100	0	22.63	22.60	22.55			
20	16QAM	1	0	22.39	22.53	22.43			
20	16QAM	1	49	22.59	22.56	22.60	23.8	0	
20	16QAM	1	99	22.44	22.65	22.48			
20	16QAM	50	0	21.52	21.73	21.49			
20	16QAM	50	24	21.53	21.76	21.58			
20	16QAM	50	50	21.47	21.70	21.56	22.8	1	
20	16QAM	100	0	21.50	21.75	21.57			
20	64QAM	1	0	21.14	21.40	21.06			
20	64QAM	1	49	21.31	21.53	21.35			
20	64QAM	1	99	21.16	21.39	21.29	22.8	1	
20	64QAM	50	0	20.62	20.88	20.59			
20	64QAM	50	24	20.67	20.91	20.68			
20	64QAM	50	50	20.56	20.86	20.75			
20	64QAM	100	0	20.67	20.85	20.70	Tune-up limit (dBm)	MPR (dB)	
Channel				37825 <th>38000</th> <th>38175</th>	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	22.33	22.41	22.19			
15	QPSK	1	37	22.63	22.54	22.50			
15	QPSK	1	74	22.42	22.48	22.38			
15	QPSK	36	0	22.49	22.56	22.51			
15	QPSK	36	20	22.52	22.58	22.54	23.8	0	
15	QPSK	36	39	22.41	22.61	22.51			
15	QPSK	75	0	22.49	22.62	22.55			
15	16QAM	1	0	22.37	22.52	22.51			
15	16QAM	1	37	22.56	22.68	22.68	23.8	0	
15	16QAM	1	74	22.43	22.58	22.60			
15	16QAM	36	0	21.43	21.54	21.45			
15	16QAM	36	20	21.44	21.56	21.51			
15	16QAM	36	39	21.38	21.58	21.53	22.8	1	
15	16QAM	75	0	21.51	21.59	21.60			
15	64QAM	1	0	21.18	21.34	21.27			
15	64QAM	1	37	21.36	21.47	21.29			
15	64QAM	1	74	21.09	21.30	21.31	22.8	1	
15	64QAM	36	0	20.68	20.76	20.67			
15	64QAM	36	20	20.64	20.73	20.68			
15	64QAM	36	39	20.57	20.80	20.74			
15	64QAM	75	0	20.68	20.78	20.75	Tune-up limit (dBm)	MPR (dB)	
Channel				37800 <th>38000<th>38200</th></th>	38000 <th>38200</th>	38200			
Frequency (MHz)				2575	2595	2615	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	22.30	22.40	22.26			
10	QPSK	1	25	22.57	22.48	22.54			
10	QPSK	1	49	22.45	22.50	22.37			
10	QPSK	25	0	22.49	22.63	22.55			
10	QPSK	25	12	22.48	22.66	22.58	23.8	0	
10	QPSK	25	25	22.49	22.60	22.62			
10	QPSK	50	0	22.50	22.63	22.63			
10	16QAM	1	0	22.51	22.56	22.60			
10	16QAM	1	25	22.57	22.71	22.66	23.8	0	
10	16QAM	1	49	22.54	22.67	22.65			
10	16QAM	25	0	21.58	21.67	21.57			
10	16QAM	25	12	21.50	21.68	21.59			
10	16QAM	25	25	21.46	21.62	21.65	22.8	1	
10	16QAM	50	0	21.50	21.66	21.62			
10	64QAM	1	0	21.23	21.31	21.32			
10	64QAM	1	25	21.28	21.43	21.40			
10	64QAM	1	49	21.22	21.36	21.34	22.8	1	
10	64QAM	25	0	20.76	20.83	20.80			
10	64QAM	25	12	20.70	20.87	20.91			
10	64QAM	25	25	20.64	20.80	20.87			
10	64QAM	50	0	20.61	20.79	20.78	Tune-up limit (dBm)	MPR (dB)	
Channel				37775 <th>38000<th>38225</th></th>	38000 <th>38225</th>	38225			
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	22.34	22.43	22.29			
5	QPSK	1	12	22.57	22.55	22.48			
5	QPSK	1	24	22.32	22.54	22.42			
5	QPSK	12	0	22.51	22.68	22.61			
5	QPSK	12	7	22.45	22.61	22.62	23.8	0	
5	QPSK	12	13	22.48	22.56	22.65			
5	QPSK	25	0	22.48	22.62	22.69			
5	16QAM	1	0	22.43	22.60	22.64			
5	16QAM	1	12	22.54	22.68	22.64	23.8	0	
5	16QAM	1	24	22.48	22.66	22.71			
5	16QAM	12	0	21.48	21.63	21.59			
5	16QAM	12	7	21.39	21.53	21.61			
5	16QAM	12	13	21.40	21.54	21.58	22.8	1	
5	16QAM	25	0	21.55	21.64	21.67			
5	64QAM	1	0	21.20	21.47	21.31			
5	64QAM	1	12	21.27	21.49	21.41			
5	64QAM	1	24	21.23	21.45	21.42	22.8	1	
5	64QAM	12	0	20.66	20.86	20.77			
5	64QAM	12	7	20.61	20.80	20.85			
5	64QAM	12	13	20.65	20.78	20.82			
5	64QAM	25	0	20.75	20.87	20.87	Tune-up limit (dBm)	MPR (dB)	
Channel				37775 <th>38000<th>38225</th></th>	38000 <th>38225</th>	38225			
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	22.30	22.40	22.26			
5	QPSK	1	12	22.57	22.55	22.48	23.8	0	
5	QPSK	1	24	22.32	22.54	22.42			
5	QPSK	12	0	22.51	22.68	22.61			
5	QPSK	12	7	22.45	22.61	22.62	23.8	0	
5	QPSK	12	13	22.48	22.56	22.65			
5	QPSK	25	0	22.48	22.62	22.69			
5	16QAM	1	0	22.43	22.60	22.64			
5	16QAM	1	12	22.54	22.68	22.64	22.8	1	
5	16QAM	1	24	22.48	22.66	22.71			
5	16QAM	12	0	21.48	21.63	21.59			
5	16QAM	12	7	21.39	21.53	21.61			
5	16QAM	12	13	21.40	21.54	21.58	22.8	1	
5	16QAM	25	0	21.55	21.64	21.67			
5	64QAM	1	0	21.20	21.47	21.31			
5	64QAM	1	12	21.27	21.49	21.41			
5	64QAM	1	24	21.23	21.45	21.42	22.8	1	
5	64QAM	12	0	20.66	20.86	20.77			
5	64QAM	12	7	20.61	20.80	20.85			
5	64QAM	12	13	20.65	20.78	20.82			
5	64QAM	25	0	20.75	20.87	20.87	Tune-up limit (dBm)	MPR (dB)	
Channel				37775 <th>38000<th>38225</th></th>	38000 <th>38225</th>	38225			
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	22.30	22.40	22.26			
5	QPSK	1	12	22.57	22.55	22.48	23.8	0	
5	QPSK	1	24	22.32	22.54	22.42			
5	QPSK	12	0	22.51	22.68	22.61			
5	QPSK	12	7	22.45	22.61	22.62	23.8	0	
5	QPSK	12	13	22.48	22.56	22.65			
5	QPSK	25	0	22.48	22.62	22.69			
5	16QAM	1	0	22.43	22.60	22.64			
5	16QAM	1	12	22.54	22.68	22.64	22.8	1	
5	16QAM	1	24	22.48	22.66	22.71			
5	16QAM	12	0	21.48	21.63	21.59			
5	16QAM	12	7	21.39	21.53	21.61			
5	16QAM	12	13	21.40	21.54	21.58	22.8	1	
5	16QAM	25	0	21.55	21.64	21.67			
5	64QAM	1	0	21.20	21.47	21.31			
5	64QAM	1	12	21.27	21.49	21.41			
5	64QAM	1	24	21.23	21.45	21.42	22.8	1	
5	64QAM	12	0	20.66	20.86	20.77			
5	64QAM	12	7	20.61	20.80	20.85			
5	64QAM	12	13	20.65	20.78	20.82			
5	64QAM	25	0	20.75	20.87	20.87	Tune-up limit (dBm)	MPR (dB)	
Channel				37775 <th>38000<th>38225</th></th>	38000 <th>38225</th>	38225			
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	22.30	22.40	22.26			
5	QPSK	1	12	22.57	22.55	22.48	23.8	0	
5	QPSK	1	24	22.32	22.54	22.42			
5	QPSK	12	0	22.51	22.68	22.61			
5	QPSK	12	7	22.45	22.61	22.62	23.8	0	
5	QPSK	12	13	22.48	22.56	22.65			
5	QPSK	25	0	22.48	22.62	22.69			
5	16QAM	1	0	22.43	22.60	22.64			
5	16QAM	1	12	22.54	22.68	22.64	22.8	1	
5	16QAM	1	24	22.48	22.66	22.71			
5	16QAM	12	0	21.48	21.63	21.59			
5	16QAM	12	7	21.39	21.53	21.61			
5	16QAM	12	13	21.40	21.54	21.58	22.8	1	
5	16QAM	25	0	21.55	21.64	21.67			
5	64QAM	1	0	21.20	21.47	21.31			
5	64QAM	1	12	21.27	21.49	21.41			
5	64QAM	1	24	21.23	21.45	21.42	22.8	1	
5	64QAM	12	0	20.66	20.86	20.77			
5	64QAM	12	7	20.61	20.80	20.85			
5	64QAM	12	13	20.65	20.78	20.82			
5	64QAM	25	0	20.75	20.87	20.87	Tune-up limit (dBm)	MPR (dB)	
Channel				37775 <th>38000<th>38225</th></th>	38000 <th>38225</th>	38225			
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	22.30	22.40	22.26			
5	QPSK	1	12	22.57	22.55	22.48	23.8	0	
5	QPSK	1	24	22.32	22.54	22.42			
5	QPSK	12	0	22.51	22.68	22.61			
5	QPSK	12	7	22.45	22.61	22.62	23.8	0	
5	QPSK	12	13	22.48	22.56	22.65			
5	QPSK	25	0	22.48	22.62	22.69			
5	16QAM	1	0	22.43	22.60	22.64			
5	16QAM	1	12	22.54	22.68	22.64	22.8	1	
5	16QAM	1	24	22.48	22.66	22.71			
5	16QAM	12	0	21.48	21.63	21.59			
5	16QAM	12	7	21.39	21.53	21.61			
5	16QAM	12	13	21.40	21.54	21.58	22.8	1	
5	16QAM	25	0	21.55	21.64	21.67			
5	64QAM	1	0	21.20	21.47	21.31			
5	64QAM	1	12	21.27	21.49	21.41			

Band 41_Ant31													
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				39750	40185	40620	41055	41490					
Frequency (MHz)				2506	2549.5	2593	2636.5	2680					
20	QPSK	1	0	22.50	22.37	22.56	22.50	22.37	23.8	0			
20	QPSK	1	49	22.58	22.59	22.71	22.62	22.63					
20	QPSK	1	99	22.47	22.39	22.65	22.47	22.51					
20	QPSK	50	0	22.38	22.49	22.66	22.53	22.54					
20	QPSK	50	24	22.50	22.49	22.60	22.55	22.55	23.8	0			
20	QPSK	50	50	22.53	22.45	22.58	22.58	22.55					
20	QPSK	100	0	22.42	22.46	22.50	22.56	22.51					
20	16QAM	1	0	22.39	22.28	22.56	22.45	22.37					
20	16QAM	1	49	22.24	22.27	22.37	22.35	22.17	23.8	0			
20	16QAM	1	99	22.40	22.33	22.60	22.42	22.46					
20	16QAM	50	0	21.62	21.53	21.62	21.52	21.52					
20	16QAM	50	24	21.73	21.51	21.68	21.58	21.57					
20	16QAM	50	50	21.72	21.46	21.64	21.53	21.53	22.8	1			
20	16QAM	100	0	21.64	21.49	21.60	21.59	21.52					
20	64QAM	1	0	21.30	21.06	21.16	21.14	21.12					
20	64QAM	1	49	21.41	21.25	21.42	21.40	21.30					
20	64QAM	1	99	21.27	21.05	21.30	21.15	21.19	22.8	1			
20	64QAM	50	0	20.54	20.66	20.78	20.68	20.66					
20	64QAM	50	24	20.61	20.66	20.83	20.72	20.73					
20	64QAM	50	50	20.66	20.56	20.81	20.69	20.70					
20	64QAM	100	0	20.56	20.62	20.77	20.67	20.65	21.8	2			
Channel				39725	40173	40620	41068	41515				Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2593.5	2548.3	2593	2637.8	2682.5					
15	QPSK	1	0	22.24	22.29	22.35	22.27	22.17				23.80	0
15	QPSK	1	37	22.33	22.33	22.54	22.47	22.47					
15	QPSK	1	74	22.32	22.21	22.45	22.29	22.25					
15	QPSK	36	0	22.39	22.39	22.56	22.49	22.41					
15	QPSK	36	20	22.44	22.47	22.58	22.51	22.42	23.8	0			
15	QPSK	36	39	22.47	22.45	22.64	22.51	22.41					
15	QPSK	75	0	22.48	22.47	22.56	22.52	22.44					
15	16QAM	1	0	22.45	22.36	22.47	22.46	22.36					
15	16QAM	1	37	22.55	22.53	22.67	22.58	22.57	23.8	0			
15	16QAM	1	74	22.47	22.43	22.53	22.43	22.47					
15	16QAM	36	0	21.54	21.59	21.53	21.46	21.39					
15	16QAM	36	20	21.64	21.60	21.58	21.43	21.39					
15	16QAM	36	39	21.71	21.64	21.61	21.47	21.38	22.8	1			
15	16QAM	75	0	21.60	21.66	21.62	21.53	21.46					
15	64QAM	1	0	21.30	21.29	21.27	21.15	21.14					
15	64QAM	1	37	21.46	21.43	21.37	21.31	21.37					
15	64QAM	1	74	21.32	21.39	21.29	21.23	21.13	22.8	1			
15	64QAM	36	0	20.64	20.56	20.75	20.66	20.58					
15	64QAM	36	20	20.61	20.59	20.79	20.63	20.62					
15	64QAM	36	39	20.68	20.67	20.77	20.66	20.58					
15	64QAM	75	0	20.55	20.53	20.78	20.67	20.61	21.8	2			
Channel				39700	40160	40620	41080	41540				Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685					
10	QPSK	1	0	22.38	22.28	22.44	22.39	22.27				23.80	0
10	QPSK	1	25	22.42	22.32	22.53	22.46	22.40					
10	QPSK	1	49	22.32	22.17	22.42	22.35	22.36					
10	QPSK	25	0	22.29	22.61	22.47	22.44	22.65					
10	QPSK	25	12	22.36	22.27	22.37	22.37	22.20	23.8	0			
10	QPSK	25	25	22.30	22.16	22.36	22.31	22.30					
10	QPSK	50	0	22.36	22.27	22.42	22.29	22.27					
10	16QAM	1	0	22.35	22.59	22.45	22.42	22.62					
10	16QAM	1	25	22.47	22.67	22.56	22.55	22.65	23.8	0			
10	16QAM	1	49	22.28	22.29	22.34	22.31	22.23					
10	16QAM	25	0	21.57	21.67	21.47	21.53	21.68					
10	16QAM	25	12	21.60	21.67	21.52	21.50	21.74					
10	16QAM	25	25	21.55	21.65	21.52	21.46	21.77	22.8	1			
10	16QAM	50	0	21.59	21.61	21.48	21.50	21.75					
10	64QAM	1	0	21.33	21.30	21.25	21.16	21.46					
10	64QAM	1	25	21.37	21.46	21.28	21.29	21.50					
10	64QAM	1	49	21.29	21.38	21.17	21.19	21.44	22.8	1			
10	64QAM	25	0	20.52	20.80	20.66	20.68	20.92					
10	64QAM	25	12	20.60	20.80	20.68	20.77	20.94					
10	64QAM	25	25	20.64	20.86	20.65	20.69	21.01					
10	64QAM	50	0	20.66	20.77	20.64	20.67	20.93	21.8	2			
Channel				39675	40148	40620	41093	41565				Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5					
5	QPSK	1	0	22.29	22.22	22.38	22.29	22.26				23.80	0
5	QPSK	1	12	22.34	22.36	22.53	22.52	22.49					
5	QPSK	1	24	22.31	22.17	22.46	22.28	22.35					
5	QPSK	12	0	22.33	22.55	22.40	22.42	22.41					
5	QPSK	12	7	22.34	22.57	22.39	22.39	22.41	23.8	0			
5	QPSK	12	13	22.34	22.58	22.45	22.40	22.39					
5	QPSK	25	0	22.34	22.57	22.41	22.40	22.48					
5	16QAM	1	0	22.38	22.58	22.39	22.41	22.41					
5	16QAM	1	12	22.44	22.68	22.43	22.54	22.44	23.8	0			
5	16QAM	1	24	22.37	22.61	22.45	22.45	22.44					
5	16QAM	12	0	21.45	21.51	21.37	21.35	21.37					
5	16QAM	12	7	21.44	21.52	21.33	21.34	21.35					
5	16QAM	12	13	21.48	21.48	21.34	21.31	21.29	22.8	1			
5	16QAM	25	0	21.58	21.54	21.45	21.46	21.44					
5	64QAM	1	0	21.34	21.32	21.20	21.24	21.19					
5	64QAM	1	12	21.31	21.29	21.15	21.25	21.20					
5	64QAM	1	24	21.34	21.36	21.19	21.22	21.22	22.8	2			
5	64QAM	12	0	20.47	20.72	20.53	20.60	20.54					
5	64QAM	12	7	20.52	20.75	20.55	20.58	20.52					
5	64QAM	12	13	20.46	20.72	20.54	20.53	20.54					
5	64QAM	25	0	20.58	20.74	20.61	20.62	20.59	Tune-up limit (dBm) MPR (dB)				

Band 41_Ant14											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620	41055	41490			
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	21.74	21.87	21.70	21.69	21.82	23.3	0	
20	QPSK	1	49	21.78	21.86	21.90	21.86	21.85			
20	QPSK	1	99	21.67	21.89	21.80	21.76	21.80			
20	QPSK	50	0	21.53	21.75	21.80	21.63	21.72			
20	QPSK	50	24	21.51	21.74	21.66	21.64	21.77	23.3	0	
20	QPSK	50	50	21.62	21.77	21.65	21.51	21.79			
20	QPSK	100	0	21.64	21.70	21.75	21.62	21.67			
20	16QAM	1	0	21.60	21.76	21.64	21.62	21.71			
20	16QAM	1	49	21.50	21.70	21.59	21.59	21.74	23.3	0	
20	16QAM	1	99	21.55	21.79	21.66	21.54	21.66	22.8	0.5	
20	16QAM	50	0	21.41	21.44	21.34	21.31	21.47			
20	16QAM	50	24	21.54	21.51	21.32	21.30	21.48			
20	16QAM	50	50	21.55	21.50	21.23	21.23	21.51			
20	16QAM	100	0	21.48	21.45	21.28	21.28	21.49	22.8	0.5	
20	64QAM	1	0	21.11	21.04	21.09	21.05	21.05			
20	64QAM	1	49	21.28	21.26	21.10	21.10	21.26			
20	64QAM	1	99	21.05	21.11	21.10	21.06	21.08			
20	64QAM	50	0	20.31	20.60	20.47	20.47	20.66	21.8	1.5	
20	64QAM	50	24	20.41	20.67	20.46	20.44	20.64			
20	64QAM	50	50	20.51	20.63	20.42	20.39	20.67			
20	64QAM	100	0	20.38	20.60	20.44	20.43	20.65			
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2546.3	2593	2637.8	2682.5			
15	QPSK	1	0	21.58	21.68	21.54	21.58	21.67			
15	QPSK	1	37	21.62	21.84	21.54	21.46	21.80			
15	QPSK	1	74	21.56	21.71	21.60	21.67	21.71			
15	QPSK	36	0	21.41	21.70	21.53	21.55	21.61			
15	QPSK	36	20	21.42	21.59	21.60	21.57	21.58	23.3	0	
15	QPSK	36	39	21.44	21.69	21.48	21.42	21.67			
15	QPSK	75	0	21.44	21.71	21.41	21.43	21.55			
15	16QAM	1	0	21.43	21.56	21.49	21.55	21.58			
15	16QAM	1	37	21.31	21.63	21.51	21.47	21.68	23.3	0	
15	16QAM	1	74	21.38	21.67	21.52	21.44	21.54			
15	16QAM	36	0	21.36	21.26	21.29	21.26	21.43			
15	16QAM	36	20	21.50	21.51	21.28	21.15	21.38			
15	16QAM	36	39	21.51	21.48	21.19	21.06	21.46	22.8	0.5	
15	16QAM	75	0	21.47	21.32	21.27	21.23	21.48			
15	64QAM	1	0	20.99	20.90	20.92	21.04	20.95			
15	64QAM	1	37	21.26	21.16	21.26	21.04	21.16			
15	64QAM	1	74	20.87	21.05	20.97	21.03	21.01	22.8	0.5	
15	64QAM	36	0	20.24	20.46	20.40	20.30	20.57			
15	64QAM	36	20	20.23	20.55	20.28	20.41	20.50			
15	64QAM	36	39	20.50	20.58	20.41	20.38	20.56			
15	64QAM	75	0	20.35	20.47	20.41	20.25	20.56	21.8	1.5	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501	2547	2593	2639	2685			
10	QPSK	1	0	21.57	21.68	21.56	21.61	21.69			
10	QPSK	1	25	21.59	21.83	21.63	21.51	21.72			
10	QPSK	1	49	21.48	21.82	21.68	21.68	21.74			
10	QPSK	25	0	21.35	21.75	21.55	21.49	21.64			
10	QPSK	25	12	21.35	21.66	21.60	21.44	21.64	23.3	0	
10	QPSK	25	25	21.52	21.66	21.49	21.33	21.69			
10	QPSK	50	0	21.56	21.60	21.49	21.51	21.48			
10	16QAM	1	0	21.46	21.68	21.55	21.48	21.65			
10	16QAM	1	25	21.44	21.64	21.40	21.44	21.60	23.3	0	
10	16QAM	1	49	21.39	21.59	21.49	21.40	21.55			
10	16QAM	25	0	21.29	21.36	21.22	21.30	21.39			
10	16QAM	25	12	21.41	21.33	21.19	21.29	21.48			
10	16QAM	25	25	21.39	21.32	21.07	21.21	21.47	22.8	0.5	
10	16QAM	50	0	21.35	21.28	21.15	21.15	21.32			
10	16QAM	1	0	20.94	20.91	20.92	21.01	20.86			
10	64QAM	1	25	21.24	21.22	21.06	21.03	21.06			
10	64QAM	1	49	20.97	21.10	21.02	20.95	21.05	22.8	0.5	
10	64QAM	25	0	20.21	20.46	20.37	20.35	20.61			
10	64QAM	25	12	20.35	20.61	20.40	20.26	20.45			
10	64QAM	25	25	20.36	20.54	20.27	20.37	20.51			
10	64QAM	50	0	20.30	20.50	20.36	20.24	20.58	21.8	1.5	
Channel				39675	40146	40620	41093	41556	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2667.5			
5	QPSK	1	0	21.59	21.73	21.55	21.61	21.72			
5	QPSK	1	12	21.61	21.87	21.54	21.46	21.84			
5	QPSK	1	24	21.48	21.74	21.67	21.58	21.72			
5	QPSK	12	0	21.34	21.67	21.64	21.51	21.57			
5	QPSK	12	7	21.32	21.56	21.56	21.44	21.66	23.3	0	
5	QPSK	12	13	21.42	21.64	21.45	21.38	21.60			
5	QPSK	25	0	21.48	21.57	21.48	21.52	21.52			
5	16QAM	1	0	21.52	21.58	21.48	21.55	21.57			
5	16QAM	1	12	21.39	21.64	21.47	21.48	21.56	23.3	0	
5	16QAM	1	24	21.35	21.69	21.52	21.37	21.57			
5	16QAM	12	0	21.36	21.27	21.29	21.25	21.28			
5	16QAM	12	7	21.37	21.51	21.15	21.30	21.48			
5	16QAM	12	13	21.46	21.48	21.14	21.18	21.44	22.8	0.5	
5	16QAM	25	0	21.43	21.36	21.23	21.10	21.32			
5	64QAM	1	0	20.96	20.93	20.94	20.98	21.01			
5	64QAM	1	12	21.11	21.26	20.93	21.05	21.18			
5	64QAM	1	24	21.04	20.94	20.99	20.95	20.97	22.8	0.5	
5	64QAM	12	0	20.22	20.50	20.38	20.47	20.55			
5	64QAM	12	7	20.28	20.50	20.33	20.39	20.46			
5	64QAM	12	13	20.40	20.50	20.31	20.32	20.56			
5	64QAM	25	0	20.36	20.42	20.42	20.27	20.50	21.8	1.5	

DSI 7 Power

GSM1900_Ant14		Burst Average Power (dBm)			Tune-up		Frame Average Power (dBm)			Tune-up	
TX Channel		512	661	810	Limit		512	661	810	Limit	
Frequency (MHz)		1920.2	1920	1920.8	(dBm)		1920.2	1920	1920.8	(dBm)	
GSM 1 Tx slot		29.85	29.88	29.78	30.50		20.85	20.88	20.78	21.50	
GPRS 1 Tx slot		29.80	29.85	29.72	30.50		20.80	20.85	20.72	21.50	
GPRS 2 Tx slots		27.53	27.60	27.48	28.30		21.53	21.60	21.48	22.30	
GPRS 3 Tx slots		25.35	25.40	25.39	26.00		21.09	21.14	21.13	21.74	
GPRS 4 Tx slots		23.70	23.78	23.62	24.50		20.70	20.78	20.62	21.50	
EDGE 1 Tx slot		25.26	25.35	25.18	26.50		18.26	18.35	18.18	17.50	
EDGE 2 Tx slots		23.57	23.66	23.43	24.50		17.57	17.66	17.43	18.50	
EDGE 3 Tx slots		21.84	21.82	21.85	22.70		17.58	17.56	17.39	18.44	
EDGE 4 Tx slots		20.26	20.35	20.25	21.20		17.26	17.35	17.25	18.20	

Band		WCDMA II_Ant14			Tune-up		WCDMA IV_Ant14			Tune-up	
TX Channel		9262	9400	9538	Limit		1512	1413	1513	Limit	
Rx Channel		9962	9800	9938	(dBm)		1537	1638	1738	(dBm)	
Frequency (MHz)		1822.4	1880	1927.6			1722.4	1824	1722.6		
3GPP Rel 99	AMR 12.2Kbps	22.44	22.50	22.46	24.00		24.25	24.30	24.22	25.50	
3GPP Rel 99	RMG 12.2Kbps	22.48	22.55	22.50	24.00		24.28	24.33	24.30	25.50	
3GPP Rel 6	HSOPA Subtest-1	21.52	21.57	21.51	23.00		23.22	23.28	23.17	24.50	
3GPP Rel 6	HSOPA Subtest-2	21.46	21.56	21.46	23.00		23.16	23.28	23.26	24.50	
3GPP Rel 6	HSOPA Subtest-3	21.00	21.08	20.99	22.50		22.88	22.80	22.85	24.00	
3GPP Rel 6	HSOPA Subtest-4	21.03	21.05	20.94	22.50		22.72	22.76	22.72	24.00	
3GPP Rel 6	DCHSDPA Subtest-1	21.33	21.52	21.32	23.00		23.09	23.26	23.04	24.50	
3GPP Rel 6	DCHSDPA Subtest-2	21.39	21.40	21.39	23.00		23.01	23.23	23.11	24.50	
3GPP Rel 6	DCHSDPA Subtest-3	20.97	20.94	20.96	22.50		22.85	22.71	22.82	24.00	
3GPP Rel 6	DCHSDPA Subtest-4	21.02	20.87	20.93	22.50		22.81	22.74	22.81	24.00	
3GPP Rel 6	HSUPA Subtest-1	20.48	20.62	20.47	22.00		21.23	21.24	21.24	22.50	
3GPP Rel 6	HSUPA Subtest-2	20.53	20.61	20.50	22.00		21.08	21.22	21.16	22.50	
3GPP Rel 6	HSUPA Subtest-3	21.83	21.65	21.80	23.00		22.21	22.29	22.24	23.50	
3GPP Rel 6	HSUPA Subtest-4	20.03	20.20	20.06	21.50		20.73	20.83	20.74	22.00	
3GPP Rel 6	HSUPA Subtest-5	21.38	21.60	21.47	23.00		22.20	22.20	22.03	23.50	
3GPP Rel 7	HSPA+ (100M) Subtest-1	21.13	21.15	21.20	22.00		21.45	21.50	21.60	22.50	

Band 2_Ant14														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Power High	Power Low Power High	Power Low Power High	Turn-up rate (dB)	MFR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	22.07	22.07	21.99			23.5	0				
20	QPSK	1	49	22.14	22.20	22.07								
20	QPSK	99	21.93	21.91	22.02									
20	QPSK	50	0	21.08	21.15	21.05								
20	QPSK	50	24	21.11	21.09	21.05			22.5	1				
20	QPSK	50	50	21.13	21.03	20.99								
20	16QAM	1	0	21.08	21.10	21.09								
20	16QAM	1	49	21.28	21.29	21.27								
20	16QAM	1	99	21.07	21.07	21.05			22.5	1				
20	16QAM	1	99	21.13	21.11	21.16								
20	16QAM	50	0	20.06	20.02	20.02								
20	16QAM	50	24	20.10	20.04	20.02								
20	16QAM	50	50	20.09	19.98	19.98			21.5	2				
20	16QAM	150	0	20.07	19.99	19.98								
20	16QAM	1	0	20.10	20.19	20.06								
20	16QAM	1	49	20.20	20.14	20.08								
20	16QAM	1	99	20.05	19.97	20.00			21.5	2				
20	16QAM	50	0	19.03	19.97	19.98								
20	16QAM	50	24	19.10	19.00	19.01								
20	16QAM	50	50	19.05	18.98	18.94								
20	16QAM	150	0	19.03	18.96	18.92			Turn-up rate (dB)	MFR (dB)				
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.01	21.91	21.93			23.5	0				
15	QPSK	1	97	22.04	22.13	21.87								
15	QPSK	1	94	21.81	21.84	21.90								
15	QPSK	36	0	21.07	21.05	21.02								
15	QPSK	36	20	20.98	20.93	20.90			22.5	1				
15	QPSK	36	20	21.08	21.02	21.02								
15	QPSK	75	0	21.00	21.05	20.98								
15	16QAM	1	0	21.09	21.17	20.98								
15	16QAM	1	97	21.28	21.20	21.16			22.5	1				
15	16QAM	1	94	21.08	20.96	21.11								
15	16QAM	36	0	19.91	19.87	19.87								
15	16QAM	36	20	20.04	19.97	19.98								
15	16QAM	36	20	21.08	20.96	21.11			21.5	2				
15	16QAM	75	0	20.07	19.98	19.98								
15	16QAM	1	0	19.97	20.10	19.93								
15	16QAM	1	97	20.16	20.13	20.04								
15	16QAM	1	94	19.93	19.75	19.97			20.5	3				
15	16QAM	36	0	19.87	19.92	19.93								
15	16QAM	36	20	19.93	19.99	19.94								
15	16QAM	75	0	19.88	19.82	19.77								
Channel														
Frequency (MHz)														
10	QPSK	1	0	22.04	21.90	21.98			23.5	0				
10	QPSK	1	25	22.03	22.19	21.96								
10	QPSK	1	49	21.89	21.77	21.86								
10	QPSK	25	0	20.89	20.97	20.84								
10	QPSK	25	0	21.00	21.05	21.02			22.5	1				
10	QPSK	25	25	21.00	21.01	20.95								
10	QPSK	50	0	20.92	20.97	20.94								
10	16QAM	1	0	21.00	21.09	21.00								
10	16QAM	1	49	20.97	20.89	21.06			22.5	1				
10	16QAM	25	0	20.04	19.99	20.00								
10	16QAM	25	25	20.97	20.94	20.97								
10	16QAM	25	25	19.91	19.82	19.80								
10	16QAM	50	0	19.91	19.85	19.82			21.5	2				
10	16QAM	1	0	20.98	20.14	20.01								
10	16QAM	1	49	20.11	20.02	19.99								
10	16QAM	1	49	20.03	19.93	20.07								
10	16QAM	25	0	19.80	19.83	19.88			20.5	3				
10	16QAM	25	25	19.89	19.80	19.86								
10	16QAM	25	25	19.87	19.80	19.78								
10	16QAM	50	0	19.80	19.98	19.79								
Channel														
Frequency (MHz)														
5	QPSK	1	0	21.88	21.92	21.80			23.5	0				
5	QPSK	1	12	22.03	22.09	21.96								
5	QPSK	1	24	21.86	21.79	21.95								
5	QPSK	12	0	21.00	21.05	21.02								
5	QPSK	12	7	21.01	20.93	20.95			22.5	1				
5	QPSK	12	13	21.07	20.98	20.95								
5	QPSK	25	0	20.92	20.93	20.94								
5	16QAM	1	0	21.21	21.15	21.10								
5	16QAM	1	12	21.36	21.18	21.21			22.5	1				
5	16QAM	1	24	20.99	21.03	21.02								
5	16QAM	12	0	20.02	19.93	19.97								
5	16QAM	12	7	20.01	19.85	19.93								
5	16QAM	12	13	20.01	19.84	19.90			21.5	2				
5	16QAM	25	0	19.90	19.92	19.91								
5	16QAM	25	12	19.91	19.73	19.87								
5	16QAM	1	12	20.10	20.13	20.03								
5	16QAM	1	24	19.87	19.96	19.91			20.5	3				
5	16QAM	12	0	19.90	19.80	19.81								
5	16QAM	12	7	19.97	19.83	19.98								
5	16QAM	12	13	19.98	19.90	19.88								
5	16QAM	25	0	19.96	19.83	19.85			Turn-up rate (dB)	MFR (dB)				
Channel														
Frequency (MHz)														
3	QPSK	1	0	22.07	21.94	21.99			23.5	0				
3	QPSK	1	8	22.00	22.17	21.93								
3	QPSK	1	14	21.82	21.85	22.01								
3	QPSK	12	0	21.00	21.03	20.99								
3	QPSK	8	4	21.08	21.04	21.02			22.5	1				
3	QPSK	8	7	21.11	20.98	20.97								
3	QPSK	15	0	21.01	21.01	20.99								
3	16QAM	1	0	21.22	21.09	21.11								
3	16QAM	1	8	21.24	21.10	21.11			22.5	1				
3	16QAM	1	14	20.98	20.90	21.07								
3	16QAM	8	0	20.05	19.99	20.01								
3	16QAM	8	4	19.91	19.85	19.83								
3	16QAM	8	7	20.09	19.84	19.86			21.5	2				
3	16QAM	15	0	19.90	19.90	19.91								
3	16QAM	1	0	20.00	20.10	19.96								
3	16QAM	1	8	20.10	20.02	20.07								
3	16QAM	1	14	19.97	19.86	19.91			20.5	3				
3	16QAM	8	0	19.88	19.80	19.84								
3	16QAM	8	4	19.09	19.94	19.90								
3	16QAM	8	7	19.96	19.84	19.85								
3	16QAM	15	0	19.93	19.83	19.80			Turn-up rate (dB)	MFR (dB)				
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	22.03	22.07	21.96			23.5	0				
1.4	QPSK	1	5	22.11	22.01	22.04								
1.4	QPSK	1	5	21.91	21.78	22.05								
1.4	QPSK	3	0	21.84	21.89	21.79			22.5	1				
1.4	QPSK	3	1	21.81	21.81	21.85								
1.4	QPSK	3	1	21.78	21.77	21.77								
1.4	QPSK	6	0	20.98	20.98	20.99			22.5	1				
1.4	16QAM	1	0	21.17	21.17	21.08								
1.4	16QAM	1	4	21.35	21.19	21.22								
1.4	16QAM	1	5	21.08	21.02	20.98			21.5	2				
1.4	16QAM	3	0	20.78	20.77	20.74								
1.4	16QAM	3	1	20.71	20.63	20.63								
1.4	16QAM	6	0	20.73	20.67	20.67			20.5	3				
1.4	16QAM	6	0	19.97	19.83	19.86								
1.4	16QAM	6	0	19.81	19.10	19.87								
1.4	16QAM	6	0	19.19	19.08	19.07			21.5	2				
1.4	16QAM	3	0	19.08	19.06	19.02								
1.4	16QAM	3	0	18.87	18.78	18.63								
1.4	16QAM	3	1	19.77	19.66	19.68			20.5	3				
1.4	16QAM	6	0	19.08	19.03	18.98								
1.4	16QAM	6	0	19.08	18.94	18.97								

Band 38_Ant14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	Tune-up limit (dBm)	MPRR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	23.39	23.16	23.19	24.8	0	
20	QPSK	1	49	23.61	23.38	23.46			
20	QPSK	1	99	23.45	23.23	23.34			
20	QPSK	50	0	22.53	22.28	22.33	23.8	1	
20	QPSK	50	24	22.48	22.29	22.36			
20	QPSK	50	50	22.47	22.23	22.40			
20	QPSK	100	0	22.47	22.27	22.34	23.8	1	
20	16QAM	1	0	22.37	22.15	22.21			
20	16QAM	1	49	22.57	22.33	22.45			
20	16QAM	1	99	22.42	22.21	22.32	22.8	2	
20	16QAM	50	0	21.51	21.28	21.30			
20	16QAM	50	24	21.54	21.31	21.36			
20	16QAM	50	50	21.46	21.24	21.40	22.8	2	
20	16QAM	100	0	21.47	21.28	21.35			
20	64QAM	1	0	21.20	21.15	21.22			
20	64QAM	1	49	21.33	21.10	21.15	22.8	2	
20	64QAM	1	99	21.15	21.11	21.20			
20	64QAM	50	0	20.67	20.44	20.44			
20	64QAM	50	24	20.71	20.45	20.53	21.8	3	
20	64QAM	50	50	20.63	20.39	20.54			
20	64QAM	100	0	20.65	20.43	20.48			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPRR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	23.27	23.12	23.07	24.8	0	
15	QPSK	1	37	23.42	23.35	23.27			
15	QPSK	1	74	23.33	23.05	23.22			
15	QPSK	36	0	22.48	22.18	22.28	23.8	1	
15	QPSK	36	20	22.33	22.29	22.21			
15	QPSK	36	39	22.36	22.23	22.29			
15	QPSK	75	0	22.43	22.20	22.30	23.8	1	
15	16QAM	1	0	22.25	22.08	22.09			
15	16QAM	1	37	22.41	22.33	22.29			
15	16QAM	1	74	22.25	22.14	22.15	22.8	2	
15	16QAM	36	0	21.50	21.24	21.29			
15	16QAM	36	20	21.54	21.13	21.36			
15	16QAM	36	39	21.29	21.06	21.23	22.8	2	
15	16QAM	75	0	21.47	21.28	21.35			
15	64QAM	1	0	21.17	21.04	21.19			
15	64QAM	1	37	21.32	21.05	21.14	22.8	2	
15	64QAM	1	74	21.01	20.96	21.06			
15	64QAM	36	0	20.50	20.26	20.27			
15	64QAM	36	20	20.61	20.26	20.43	21.8	3	
15	64QAM	36	39	20.50	20.25	20.41			
15	64QAM	75	0	20.57	20.43	20.40			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPRR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	23.27	23.10	23.07	24.8	0	
10	QPSK	1	25	23.54	23.25	23.39			
10	QPSK	1	49	23.26	23.18	23.15			
10	QPSK	25	0	22.53	22.09	22.33	23.8	1	
10	QPSK	25	12	22.31	22.10	22.19			
10	QPSK	25	25	22.30	22.11	22.23			
10	QPSK	50	0	22.28	22.08	22.15	23.8	1	
10	16QAM	1	0	22.29	21.98	22.13			
10	16QAM	1	25	22.51	22.16	22.39			
10	16QAM	1	49	22.24	22.02	22.14	22.8	2	
10	16QAM	25	0	21.41	21.23	21.20			
10	16QAM	25	12	21.42	21.17	21.24			
10	16QAM	25	25	21.42	21.15	21.36	22.8	2	
10	16QAM	50	0	21.29	21.11	21.17			
10	64QAM	1	0	21.03	21.00	21.05			
10	64QAM	1	25	21.18	21.00	21.09	22.8	2	
10	64QAM	1	49	21.03	20.93	21.08			
10	64QAM	25	0	20.60	20.26	20.37			
10	64QAM	25	12	20.67	20.28	20.49	21.8	3	
10	64QAM	25	25	20.51	20.27	20.42			
10	64QAM	50	0	20.49	20.40	20.32			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPRR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	23.23	23.10	23.03	24.8	0	
5	QPSK	1	12	23.57	23.34	23.42			
5	QPSK	1	24	23.26	23.20	23.15			
5	QPSK	12	0	22.34	22.24	22.14	23.8	1	
5	QPSK	12	7	22.29	22.18	22.17			
5	QPSK	12	13	22.34	22.22	22.27			
5	QPSK	25	0	22.28	22.15	22.15	23.8	1	
5	16QAM	1	0	22.36	22.15	22.20			
5	16QAM	1	12	22.48	22.19	22.36			
5	16QAM	1	24	22.28	22.19	22.18	22.8	2	
5	16QAM	12	0	21.40	21.10	21.19			
5	16QAM	12	7	21.45	21.15	21.27			
5	16QAM	12	13	21.41	21.18	21.35	22.8	2	
5	16QAM	25	0	21.46	21.14	21.34			
5	64QAM	1	0	21.06	20.96	21.08			
5	64QAM	1	12	21.22	21.05	21.04	22.8	2	
5	64QAM	1	24	21.11	20.95	21.16			
5	64QAM	12	0	20.50	20.42	20.27			
5	64QAM	12	7	20.55	20.33	20.37	21.8	3	
5	64QAM	12	13	20.53	20.27	20.44			
5	64QAM	25	0	20.65	20.34	20.48			

Band 41_Ant14										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.15	23.35	23.20	23.15	23.30	24.8	0
20	QPSK	1	49	23.41	23.50	23.63	23.36	23.52		
20	QPSK	1	99	23.28	23.44	23.20	23.16	23.36		
20	QPSK	50	0	22.24	22.40	22.55	22.31	22.48	23.8	1
20	QPSK	50	24	22.35	22.45	22.32	22.28	22.47		
20	QPSK	50	50	22.36	22.44	22.25	22.24	22.45		
20	QPSK	100	0	22.31	22.45	22.52	22.25	22.50	23.8	1
20	16QAM	1	0	22.19	22.33	22.16	22.14	22.28		
20	16QAM	1	49	22.40	22.53	22.37	22.37	22.54		
20	16QAM	1	99	22.26	22.40	22.15	22.14	22.34	22.8	2
20	16QAM	50	0	21.41	21.44	21.34	21.31	21.47		
20	16QAM	50	24	21.54	21.51	21.32	21.30	21.48		
20	16QAM	50	50	21.55	21.50	21.23	21.23	21.51	22.8	2
20	16QAM	100	0	21.48	21.45	21.28	21.28	21.49		
20	64QAM	1	0	21.11	21.04	21.09	21.05	21.05		
20	64QAM	1	49	21.28	21.26	21.10	21.10	21.28	22.8	2
20	64QAM	1	99	21.05	21.11	21.10	21.08	21.08		
20	64QAM	50	0	20.31	20.60	20.47	20.47	20.66		
20	64QAM	50	24	20.41	20.67	20.46	20.44	20.64	21.8	3
20	64QAM	50	50	20.51	20.63	20.42	20.39	20.67		
20	64QAM	100	0	20.38	20.60	20.44	20.43	20.65		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	23.02	23.32	23.15	22.97	23.18	24.80	0
15	QPSK	1	37	23.30	23.40	23.44	23.27	23.39		
15	QPSK	1	74	23.10	23.30	23.02	23.07	23.33		
15	QPSK	36	0	22.15	22.25	22.40	22.20	22.31	23.8	1
15	QPSK	36	20	22.19	22.31	22.16	22.15	22.39		
15	QPSK	36	39	22.34	22.31	22.32	22.24	22.32		
15	QPSK	75	0	22.31	22.40	22.52	22.11	22.50	23.8	1
15	16QAM	1	0	22.15	22.15	22.12	22.04	22.18		
15	16QAM	1	37	22.27	22.40	22.24	22.35	22.43		
15	16QAM	1	74	22.26	22.35	22.15	22.00	22.16	22.8	2
15	16QAM	36	0	21.36	21.26	21.29	21.26	21.43		
15	16QAM	36	20	21.50	21.51	21.28	21.15	21.38		
15	16QAM	36	39	21.51	21.48	21.19	21.06	21.46	22.8	2
15	16QAM	75	0	21.47	21.32	21.27	21.23	21.48		
15	64QAM	1	0	20.99	20.90	20.97	21.04	20.95		
15	64QAM	1	37	21.25	21.19	21.08	20.54	21.18	22.8	2
15	64QAM	1	74	20.87	21.05	20.88	21.03	21.01		
15	64QAM	36	0	20.24	20.46	20.40	20.30	20.57		
15	64QAM	36	20	20.23	20.55	20.28	20.41	20.50	21.8	3
15	64QAM	36	39	20.50	20.58	20.41	20.38	20.58		
15	64QAM	75	0	20.35	20.47	20.41	20.25	20.56		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	23.15	23.31	23.17	23.10	23.22	24.80	0
10	QPSK	1	25	23.27	23.42	23.41	23.19	23.33		
10	QPSK	1	49	23.23	23.40	23.15	23.14	23.34		
10	QPSK	25	0	22.10	22.28	22.35	22.26	22.42	23.8	1
10	QPSK	25	12	22.16	22.45	22.15	22.09	22.47		
10	QPSK	25	25	22.27	22.28	22.16	22.29	22.47		
10	QPSK	50	0	22.23	22.29	22.44	22.12	22.40	23.8	1
10	16QAM	1	0	22.12	22.32	22.09	22.01	22.21		
10	16QAM	1	25	22.23	22.39	22.20	22.28	22.41		
10	16QAM	1	49	22.08	22.40	21.97	22.01	22.18	22.8	2
10	16QAM	25	0	21.29	21.36	21.22	21.30	21.39		
10	16QAM	25	12	21.41	21.33	21.19	21.29	21.48		
10	16QAM	25	25	21.39	21.32	21.07	21.21	21.47	22.8	2
10	16QAM	50	0	21.35	21.28	21.15	21.15	21.32		
10	64QAM	1	0	20.94	20.91	20.92	20.91	20.86		
10	64QAM	1	25	21.24	21.22	21.06	21.03	21.09	22.8	2
10	64QAM	1	49	20.97	21.10	21.02	20.95	21.01		
10	64QAM	25	0	20.21	20.46	20.37	20.35	20.61		
10	64QAM	25	12	20.35	20.61	20.40	20.26	20.45	21.8	3
10	64QAM	25	25	20.36	20.54	20.27	20.37	20.61		
10	64QAM	50	0	20.30	20.50	20.36	20.24	20.58		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	22.98	23.24	23.06	23.06	23.26	24.80	0
5	QPSK	1	12	23.29	23.31	23.43	23.35	23.34		
5	QPSK	1	24	23.09	23.27	23.01	23.06	23.21		
5	QPSK	12	0	22.23	22.39	22.48	22.20	22.33	23.8	1
5	QPSK	12	7	22.34	22.43	22.31	22.25	22.44		
5	QPSK	12	13	22.21	22.26	22.10	22.16	22.34		
5	QPSK	25	0	22.20	22.38	22.41	22.20	22.39	23.8	1
5	16QAM	1	0	22.06	22.17	22.03	22.06	22.28		
5	16QAM	1	12	22.37	22.48	22.34	22.23	22.46		
5	16QAM	1	24	22.25	22.37	22.14	22.13	22.28	22.8	2
5	16QAM	12	0	21.36	21.27	21.29	21.25	21.28		
5	16QAM	12	7	21.37	21.51	21.15	21.30	21.48		
5	16QAM	12	13	21.46	21.48	21.14	21.18	21.44	22.8	2
5	16QAM	25	0	21.43	21.36	21.23	21.10	21.32		
5	64QAM	1	0	20.96	20.93	20.94	20.88	21.01		
5	64QAM	1	12	21.11	21.26	20.93	21.05	21.16	22.8	2
5	64QAM	1	24	21.04	20.94	21.09	20.95	21.01		
5	64QAM	12	0	20.22	20.50	20.38	20.47	20.55		
5	64QAM	12	7	20.28	20.50	20.33	20.39	20.48	21.8	3
5	64QAM	12	13	20.40	20.50	20.31	20.33	20.56		
5	64QAM	25	0	20.36	20.42	20.42	20.27	20.50		

ENDC Power for WWAN_Full

Band 2_Ant14										
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch./Freq. [W/Hz]	Power Mde Ch./Freq. [W/Hz]	Power Hgt Ch./Freq. [W/Hz]	Time-up (sec)	MPR (dB)		
Channel										
Frequency [MHz]										
20	QPSK	1	0	22.07	22.07	21.99			23.5	0
20	QPSK	1	49	22.14	22.20	22.07				
20	QPSK	1	99	21.93	21.91	22.02				
20	QPSK	50	0	21.08	21.15	21.03				
20	QPSK	50	24	21.11	21.09	21.05				
20	QPSK	50	50	21.13	21.03	20.90			22.5	1
20	QPSK	100	0	21.08	21.10	21.00				
20	16QAM	1	0	21.28	21.25	21.17				
20	16QAM	1	49	21.97	21.25	21.24				
20	16QAM	1	99	21.13	21.11	21.18				
20	16QAM	50	0	20.98	20.94	20.92			21.5	2
20	16QAM	50	24	20.95	20.98	20.98				
20	16QAM	50	50	20.99	20.98	20.98				
20	16QAM	100	0	20.97	20.99	20.98				
20	16QAM	1	49	20.20	20.14	20.06				
20	16QAM	1	99	20.05	19.97	20.00			21.5	2
20	16QAM	50	0	19.03	19.97	19.99				
20	16QAM	50	24	19.10	19.09	19.01				
20	16QAM	50	50	19.09	19.08	19.04				
20	16QAM	100	0	19.03	19.06	19.02				
Channel	Channel	Channel	Channel	1867.5	1860	1862.5	Time-up (sec)	MPR (dB)		
16	QPSK	1	0	22.01	22.01	21.93			23.5	0
16	QPSK	1	37	22.04	22.13	21.97				
16	QPSK	1	74	21.81	21.84	21.81				
16	QPSK	36	0	21.07	21.05	21.02				
16	QPSK	36	20	21.06	21.03	20.90				
16	QPSK	36	59	21.06	21.02	20.92			22.5	1
16	QPSK	75	0	21.08	21.05	20.98				
16	16QAM	1	0	21.09	21.17	21.06				
16	16QAM	1	37	21.08	21.23	21.15				
16	16QAM	1	74	21.08	20.96	21.11				
16	16QAM	36	0	19.91	19.87	19.87			21.5	2
16	16QAM	36	20	20.04	20.02	20.00				
16	16QAM	36	59	19.98	19.95	19.87				
16	16QAM	75	0	20.07	19.96	19.98				
16	16QAM	1	0	19.07	19.96	19.98				
16	16QAM	1	37	21.08	21.23	21.04			21.5	2
16	16QAM	1	74	21.08	20.96	21.11				
16	16QAM	36	0	19.91	19.82	19.82				
16	16QAM	36	20	19.93	19.96	19.84				
16	16QAM	36	59	19.86	19.80	19.77				
Channel	Channel	Channel	Channel	1865.0	1860.0	1865.0	Time-up (sec)	MPR (dB)		
10	QPSK	1	0	22.04	21.90	21.96			23.5	0
10	QPSK	1	25	22.05	22.19	21.96				
10	QPSK	1	49	21.89	21.77	21.98				
10	QPSK	25	0	20.99	20.97	20.84				
10	QPSK	25	12	21.00	20.99	20.94				
10	QPSK	25	25	21.00	21.01	20.99			22.5	1
10	QPSK	50	0	20.92	20.93	20.84				
10	16QAM	1	0	21.20	21.09	21.09				
10	16QAM	1	25	21.28	21.24	21.15				
10	16QAM	1	49	20.97	20.99	21.00				
10	16QAM	25	12	19.97	20.04	19.99			21.5	2
10	16QAM	25	25	19.91	19.92	19.80				
10	16QAM	50	0	19.91	19.82	19.82				
10	16QAM	50	25	20.00	20.14	20.01				
10	16QAM	1	25	20.11	20.02	19.99				
10	16QAM	1	49	20.03	19.93	20.07			20.5	3
10	16QAM	25	12	19.98	19.93	19.86				
10	16QAM	25	25	19.91	19.89	19.82				
10	16QAM	50	0	19.87	19.80	19.76				
10	16QAM	50	25	19.87	19.80	19.76				
Channel	Channel	Channel	Channel	1865.0	1860.0	1865.0	Time-up (sec)	MPR (dB)		
5	QPSK	1	0	21.88	21.82	21.80			23.5	0
5	QPSK	1	12	22.03	22.09	21.96				
5	QPSK	1	24	21.86	21.79	21.95				
5	QPSK	12	0	20.96	21.15	20.94				
5	QPSK	12	6	21.01	20.93	20.85				
5	QPSK	12	14	21.00	20.96	20.97			22.5	1
5	QPSK	25	0	20.92	20.93	20.84				
5	16QAM	1	0	21.21	21.15	21.10				
5	16QAM	1	12	21.36	21.18	21.23				
5	16QAM	1	24	20.99	21.03	21.02				
5	16QAM	12	0	20.05	19.96	20.01			21.5	2
5	16QAM	12	7	20.01	19.95	19.93				
5	16QAM	12	14	19.99	19.94	19.90				
5	16QAM	25	0	19.99	19.92	19.91				
5	16QAM	25	0	20.01	20.13	19.97				
5	16QAM	1	12	20.15	20.13	20.03			21.5	2
5	16QAM	1	24	19.97	19.93	19.91				
5	16QAM	12	0	19.99	19.90	19.93				
5	16QAM	12	7	19.97	19.93	19.86				
5	16QAM	12	14	19.96	19.93	19.88				
5	16QAM	25	0	19.96	19.87	19.80			20.5	3
Channel	Channel	Channel	Channel	1861.0	1860.0	1862.0	Time-up (sec)	MPR (dB)		
3	QPSK	1	0	22.07	21.94	21.89			23.5	0
3	QPSK	1	8	22.00	22.17	21.93				
3	QPSK	1	14	21.62	21.85	21.81				
3	QPSK	8	0	21.03	20.99	20.98				
3	QPSK	8	4	21.08	21.04	21.02				
3	QPSK	8	7	21.11	20.98	20.97			22.5	1
3	QPSK	16	0	21.01	21.01	20.93				
3	16QAM	1	0	21.22	21.09	21.11				
3	16QAM	1	8	21.24	21.10	21.11				
3	16QAM	1	14	20.98	20.96	21.01				
3	16QAM	8	0	20.05	19.99	20.01			21.5	2
3	16QAM	8	4	19.99	19.95	19.93				
3	16QAM	8	7	20.00	19.98	19.98				
3	16QAM	16	0	19.99	19.90	19.91				
3	16QAM	1	0	20.00	20.10	19.96				
3	16QAM	1	8	20.19	20.02	20.07			21.5	2
3	16QAM	1	14	19.97	19.86	19.90				
3	16QAM	8	0	19.99	19.94	19.94				
3	16QAM	8	4	19.99	19.94	19.90				
3	16QAM	8	7	19.96	19.84	19.85				
Channel	Channel	Channel	Channel	1860.7	1860.0	1861.5	Time-up (sec)	MPR (dB)		
1.4	QPSK	1	0	22.03	22.07	21.95			23.5	0
1.4	QPSK	1	3	22.11	22.01	22.04				
1.4	QPSK	1	5	21.91	21.78	22.00				
1.4	QPSK	3	0	21.44	21.49	21.79				
1.4	QPSK	3	1	21.91	21.87	21.85				
1.4	QPSK	3	3	21.86	21.76	21.72			22.5	1
1.4	QPSK	6	0	20.98	20.98	20.98				
1.4	16QAM	1	0	21.17	21.17	21.08				
1.4	16QAM	1	3	21.36	21.19	21.22				
1.4	16QAM	1	5	20.95	21.02	20.98				
1.4	16QAM	3	0	20.76	20.77	20.74			22.5	1
1.4	16QAM	3	1	20.71	20.83	20.83				
1.4	16QAM	3	3	20.74	20.73	20.63				
1.4	16QAM	6	0	19.97	19.93	19.88				
1.4	16QAM	6	3	19.97	19.76	19.76				
1.4	16QAM	3	1	19.77	19.86	19.88			21.5	2
1.4	16QAM	3	3	19.77	19.80	19.80				
1.4	16QAM	6	0	19.98	19.94	19.87				



MINISTRY OF NATIONAL DEFENSE
T.C. SAKATLIK VE REHABERLIK BAKANLIĞI

Band 5_Ant11

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Turn-on time (sec)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.37	23.52	23.52	24.8	0		
10	QPSK	1	25	23.52	23.52	23.49				
10	QPSK	1	49	23.50	23.47	23.51				
10	QPSK	25	0	23.47	23.38	23.44	23.8	1		
10	QPSK	25	12	23.46	23.50	23.53				
10	QPSK	25	25	23.41	23.52	23.49				
10	QPSK	50	0	23.51	23.55	23.53	23.8	1		
10	QPSK	50	0	23.51	23.55	23.53				
10	QPSK	50	0	23.51	23.55	23.53				
10	HQAM	1	0	22.78	22.84	22.71	23.8	1		
10	HQAM	1	25	22.72	22.72	22.66				
10	HQAM	1	49	22.74	22.80	22.70				
10	HQAM	25	0	21.48	21.53	21.52	22.8	2		
10	HQAM	25	12	21.49	21.54	21.52				
10	HQAM	25	25	21.44	21.51	21.53				
10	HQAM	50	0	21.43	21.51	21.53	22.8	2		
10	HQAM	50	0	21.53	21.46	21.51				
10	HQAM	50	0	21.56	21.78	21.78				
10	HQAM	1	49	21.59	21.80	21.83	21.8	3		
10	HQAM	25	0	20.70	20.61	20.55				
10	HQAM	25	12	20.62	20.60	20.67				
10	HQAM	25	25	20.51	20.71	20.61	21.8	3		
10	HQAM	50	0	20.63	20.71	20.64				
10	HQAM	50	0	20.63	20.71	20.64				
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.37	23.39	23.39	24.8	0		
5	QPSK	1	12	23.38	23.40	23.39				
5	QPSK	1	24	23.38	23.35	23.35				
5	QPSK	12	0	23.34	23.41	23.51	23.8	1		
5	QPSK	12	7	23.25	23.36	23.40				
5	QPSK	12	13	23.23	23.38	23.35				
5	QPSK	25	0	23.37	23.38	23.38	23.8	1		
5	QPSK	25	0	23.37	23.38	23.38				
5	QPSK	25	0	23.37	23.38	23.38				
5	HQAM	1	12	22.59	22.60	22.75	22.8	1		
5	HQAM	1	24	22.41	22.23	22.60				
5	HQAM	12	0	21.27	21.38	21.50				
5	HQAM	12	7	21.24	21.31	21.32	22.8	2		
5	HQAM	12	13	21.20	21.33	21.37				
5	HQAM	25	0	21.23	21.31	21.30				
5	HQAM	1	0	21.11	21.42	21.41	22.8	2		
5	HQAM	1	12	21.48	21.60	21.57				
5	HQAM	1	24	21.38	21.56	21.58				
5	HQAM	12	0	20.45	20.64	20.79	21.8	3		
5	HQAM	12	7	20.39	20.55	20.64				
5	HQAM	12	13	20.37	20.50	20.58				
5	HQAM	25	0	20.42	20.54	20.50	21.8	3		
5	HQAM	25	0	20.42	20.54	20.50				
5	HQAM	25	0	20.42	20.54	20.50				
Channel										
Frequency (MHz)										
3	QPSK	1	0	23.30	23.40	23.42	24.8	0		
3	QPSK	1	8	23.27	23.36	23.31				
3	QPSK	1	14	23.26	23.34	23.38				
3	QPSK	8	0	23.32	23.36	23.45	23.8	1		
3	QPSK	8	4	23.29	23.42	23.41				
3	QPSK	8	7	23.28	23.41	23.45				
3	QPSK	16	0	23.29	23.39	23.44	23.8	1		
3	HQAM	1	0	23.32	23.41	23.46				
3	HQAM	1	14	23.63	23.84	23.42				
3	HQAM	8	0	21.39	21.30	21.51	22.8	2		
3	HQAM	8	4	21.40	21.47	21.46				
3	HQAM	8	7	21.34	21.30	21.48				
3	HQAM	16	0	21.29	21.26	21.39	22.8	2		
3	HQAM	16	0	21.12	21.39	21.68				
3	HQAM	1	8	21.31	21.62	21.63				
3	HQAM	1	14	21.29	21.61	21.27	21.8	3		
3	HQAM	8	0	20.44	20.44	20.56				
3	HQAM	8	4	20.45	20.57	20.55				
3	HQAM	8	7	20.50	20.67	20.63	21.8	3		
3	HQAM	16	0	20.42	20.53	20.62				
3	HQAM	16	0	20.42	20.53	20.62				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	23.21	23.37	23.38	24.8	0		
1.4	QPSK	1	3	23.22	23.32	23.32				
1.4	QPSK	1	5	23.26	23.32	23.37				
1.4	QPSK	3	0	23.45	23.55	23.27	23.8	1		
1.4	QPSK	3	1	23.39	23.51	23.33				
1.4	QPSK	3	3	23.39	23.50	23.24				
1.4	QPSK	6	0	23.28	23.22	23.24	23.8	1		
1.4	QPSK	6	0	23.28	23.22	23.24				
1.4	QPSK	6	0	23.28	23.22	23.24				
1.4	HQAM	1	0	22.48	22.51	22.67	23.8	1		
1.4	HQAM	1	3	22.58	22.65	22.16				
1.4	HQAM	1	5	22.67	22.53	22.45				
1.4	HQAM	3	0	22.51	22.55	22.26	22.8	1		
1.4	HQAM	3	1	22.51	22.16	22.33				
1.4	HQAM	3	3	22.33	22.15	22.19				
1.4	HQAM	6	0	21.27	21.08	21.39	22.8	2		
1.4	HQAM	6	0	21.27	21.08	21.39				
1.4	HQAM	6	0	21.27	21.08	21.39				
1.4	HQAM	1	0	21.51	21.38	21.45	22.8	2		
1.4	HQAM	1	3	21.48	21.60	21.15				
1.4	HQAM	1	5	21.57	21.18	21.18				
1.4	HQAM	3	0	21.33	21.33	21.38	22.8	2		
1.4	HQAM	3	0	21.33	21.33	21.38				
1.4	HQAM	3	0	21.33	21.33	21.38				
1.4	HQAM	6	1	21.09	21.33	21.43	21.8	3		
1.4	HQAM	6	3	21.46	21.34	21.30				
1.4	HQAM	6	5	20.38	20.33	20.33				

Band 5_Ant41

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Turn-on time (sec)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	0	23.46	23.60	23.54	24.8	0
10	QPSK	1	25	23.57	23.60	23.58		
10	QPSK	1	49	23.48	23.58	23.59		
10	QPSK	25	0	23.52	23.61	23.62	23.8	1
10	QPSK	25	12	23.55	23.61	23.68		
10	QPSK	25	25	23.40	23.65	23.67		
10	QPSK	50	0	23.55	23.59	23.57	23.8	1
10	QPSK	50	0	23.55	23.59	23.57		
10	QPSK	50	0	23.55	23.59	23.57		
10	HQAM	1	0	22.34	22.58	22.61	23.8	1
10	HQAM	1	25	22.48	22.66	22.6		
10	HQAM	1	49	22.70	22.61	22.58		
10	HQAM	25	0	21.52	21.62	21.45	22.8	2
10	HQAM	25	12	21.49	21.47	21.56		
10	HQAM	25	25	21.48	21.59	21.65		
10	HQAM	50	0	21.54	21.59	21.63	22.8	2
10	HQAM	50	0	21.57	21.69	21.82		
10	HQAM	50	0	21.64	21.75	21.56		
10	HQAM	1	49	21.48	21.8	21.58	22.8	2
10	HQAM	25	0	20.6	20.7	20.6		
10	HQAM	25	12	20.67	20.7	20.8		
10	HQAM	25	25	20.68	20.78	20.71	21.8	3
10	HQAM	50	0	20.81	20.7	20.71		
10	HQAM	50	0	20.81	20.7	20.71		
Channel								
Frequency (MHz)								
5	QPSK	1	0	23.39	23.48	23.41	24.8	0
5	QPSK	1	12	23.53	23.58	23.63		
5	QPSK	1	24	23.50	23.48	23.45		
5	QPSK	12	0	23.33	23.39	23.51	23.8	1
5	QPSK	12	7	23.27	23.39	23.45		
5	QPSK	12	13	23.20	23.53	23.39		
5	QPSK	25	0	23.31	23.40	23.49	23.8	1
5	QPSK	25	0	23.31	23.40	23.49		
5	QPSK	25	0	23.31	23.40	23.49		
5	HQAM	1	12	22.34	22.39	22.75	23.8	1
5	HQAM	1	24	22.64	22.38	22.84		
5	HQAM	12	0	21.31	21.40	21.62	22.8	2
5	HQAM	12	7	21.19	21.31	21.52		
5	HQAM	12	13	21.23	21.27	21.38		
5	HQAM	25	0	21.25	21.45	21.59	22.8	2
5	HQAM	25	0	21.31	21.38	21.60		
5	HQAM	25	12	21.68	21.48	21.53		
5	HQAM	25	25	21.64	21.64	21.69	21.8	3
5	HQAM	50	0	20.47	20.51	20.75		
5	HQAM	50	0	20.47	20.54	20.56		
5	HQAM	12	13	20.46	20.45	20.52	21.8	3
5	HQAM	12	13	20.46	20.45	20.52		
5	HQAM	12	13	20.46	20.45	20.52		
Channel								
Frequency (MHz)								
3	QPSK	1	0	23.44	23.44	23.44	24.8	0
3	QPSK	1	25	23.39	23.53	23.39		
3	QPSK	1	14	23.32	23.38	23.41		
3	QPSK	1	25	23.34	23.34	23.40	23.8	1
3	QPSK	1	25	23.34	23.34	23.41		
3	QPSK	1	25	23.34	23.34	23.41		
3	QPSK	1	14	23.32	23.40	23.46	23.8	1
3	QPSK	15	0	22.28	22.38	23.42		
3	QPSK	15	0	22.28	22.38	23.42		
3	HQAM	1	25	21.76	21.76	21.80	22.8	2
3	HQAM	1	25	21.76	21.76	21.80		
3	HQAM	1	25	21.76	21.76	21.80		
3	HQAM	1	14	22.45	22.55	22.59	22.8	2
3	HQAM	8	6	21.41	21.26	21.53		
3	HQAM	8	6	21.41	21.26	21.53		
3	HQAM	1	25	21.12	21.44	21.13	22.8	2
3	HQAM	15	0	21.35	21.46	21.39		
3	HQAM	15	0	21.35	21.46	21.39		
3	HQAM	1	8	21.46	21.62	21.61	22.8	2
3	HQAM	1	8	21.46	21.62	21.61		
3	HQAM	1	14	21.38	21.61	21.57		
3	HQAM	8	6	20.46	20.50	20.50	21.8	3
3	HQAM	8	6	20.46	20.50	20.51		
3	HQAM	8	6	20.46	20.50	20.51		
3	HQAM	8	7	20.42	20.47	20.56	21.8	3
3	HQAM	8	7	20.42	20.47	20.56		
3	HQAM	15	0	20.33	20.47	20.43		
Channel								
Frequency (MHz)								
1.4	QPSK	1	0	23.33	23.48	23.49	24.8	0
1.4	QPSK	3	1	23.40	23.55	23.44		
1.4	QPSK	3	1	23.36	23.50	23.48		
1.4	QPSK	3	1	23.31	23.45	23.48	23.8	1
1.4	QPSK	3	1	23.33	23.33	23.31		
1.4	QPSK	3	1	23.36	23.41	23.49		
1.4	HQAM	1	0	22.51	22.57	22.70	23.8	1
1.4	HQAM	1	0	22.51	22.57	22.70		
1.4	HQAM	1	0	22.51	22.57	22.70		
1.4	HQAM	3	1	22.40	22.48	22.48	23.8	1
1.4	HQAM	3	1	22.41	22.45	22.48		
1.4	HQAM	3	1	22.41	22.45	22.48		
1.4	HQAM	3	1	22.39	22.43	22.43	22.8	2
1.4	HQAM	3	1	22.39	22.43	22.43		
1.4	HQAM	3	1	22.39	22.43	22.43		
1.4	HQAM	3	1	21.36	21.58	21.57	22.8	2
1.4	HQAM	3	1	21.36	21.58	21.57		
1.4	HQAM	3	1	21.36	21.58	21.57		
1.4	HQAM	6	0	20.41	20.54	20.52	21.8	3
1.4	HQAM	6	0	20.41	20.54	20.52		
1.4	HQAM	6	0	20.41	20.54	20.52		

Band 66_Ant14									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (F/Freq)	Power Make Ch. (F/Freq)	Power High Ch. (F/Freq)	Tune-up Inst. (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				130072	130072	130072			
20	QPSK	1	0	22.74	22.96	22.81			
20	QPSK	1	49	22.81	22.97	22.89			
20	QPSK	1	98	22.76	22.91	22.79			24
20	QPSK	50	0	21.76	22.03	21.94			
20	QPSK	50	24	21.79	21.99	21.91			
20	QPSK	50	50	21.77	21.94	21.88			23
20	QPSK	100	0	21.75	22.00	21.89			
20	16QAM	1	0	21.95	22.24	22.09			
20	16QAM	1	49	22.02	22.25	22.12			
20	16QAM	1	99	21.92	22.05	21.94			23
20	16QAM	50	0	20.74	20.97	20.94			
20	16QAM	50	24	20.82	20.97	20.93			
20	16QAM	50	50	20.75	20.95	20.90			22
20	16QAM	100	0	20.71	20.97	20.87			
20	84QAM	1	0	20.85	21.08	20.94			
20	84QAM	1	49	20.91	21.07	21.06			
20	84QAM	1	99	20.81	20.93	20.87			22
20	84QAM	50	0	19.71	19.97	19.91			
20	84QAM	50	24	19.77	19.96	19.97			
20	84QAM	50	50	19.71	19.90	19.81			21
20	84QAM	100	0	19.72	19.96	19.84			
Channel									
Frequency (MHz)				130047	130052	130057	Tune-up Inst. (dBm)	MPR (dB)	
15	QPSK	1	0	22.88	22.92	22.76			
15	QPSK	1	37	22.74	22.92	22.86			
15	QPSK	1	74	22.67	22.75	22.76			24
15	QPSK	36	0	21.71	21.89	21.89			
15	QPSK	36	36	21.65	21.81	21.77			
15	QPSK	36	36	21.62	21.80	21.73			23
15	QPSK	75	0	21.64	22.00	21.78			
15	16QAM	1	0	21.88	22.08	21.98			
15	16QAM	1	37	22.00	22.19	22.11			
15	16QAM	1	74	21.88	21.88	21.98			23
15	16QAM	36	0	20.67	20.97	20.77			
15	16QAM	36	36	20.68	20.74	20.78			
15	16QAM	36	36	20.72	20.79	20.82			22
15	16QAM	75	0	20.60	20.91	20.76			
15	84QAM	1	0	20.68	20.90	20.77			
15	84QAM	1	37	20.76	21.02	20.91			
15	84QAM	1	74	20.79	20.79	20.85			22
15	84QAM	36	0	19.54	19.79	19.74			
15	84QAM	36	36	19.67	19.65	19.71			
15	84QAM	36	36	19.62	19.75	19.72			21
15	84QAM	75	0	19.67	19.65	19.79			
Channel									
Frequency (MHz)				130022	130022	130022	Tune-up Inst. (dBm)	MPR (dB)	
10	QPSK	1	0	22.67	22.85	22.74			
10	QPSK	1	25	22.86	22.99	22.92			
10	QPSK	1	49	22.58	22.63	22.65			24
10	QPSK	25	0	21.73	21.81	21.81			
10	QPSK	25	12	21.75	21.92	21.87			
10	QPSK	25	25	21.68	21.89	21.79			23
10	QPSK	50	0	21.67	21.81	21.81			
10	16QAM	1	0	21.80	22.10	21.85			
10	16QAM	1	25	21.95	22.08	22.06			
10	16QAM	1	49	21.83	21.94	21.85			23
10	16QAM	50	0	21.56	20.96	20.78			
10	16QAM	25	12	20.74	20.92	20.80			
10	16QAM	25	25	20.66	20.92	20.76			22
10	16QAM	50	0	20.69	20.90	20.79			
10	84QAM	1	0	20.73	21.00	20.82			
10	84QAM	1	25	20.86	21.03	21.01			22
10	84QAM	1	49	20.81	20.88	20.87			
10	84QAM	25	12	19.68	19.81	19.89			
10	84QAM	25	12	19.61	19.88	19.71			21
10	84QAM	25	25	19.69	19.84	19.79			
10	84QAM	50	0	19.69	19.82	19.81			
Channel									
Frequency (MHz)				130022	130022	130022	Tune-up Inst. (dBm)	MPR (dB)	
5	QPSK	1	0	22.71	22.83	22.78			
5	QPSK	1	12	22.68	22.94	22.76			
5	QPSK	1	24	22.67	22.78	22.78			24
5	QPSK	12	0	21.74	21.95	21.85			
5	QPSK	12	7	21.75	21.91	21.87			
5	QPSK	12	14	21.77	21.79	21.81			23
5	QPSK	25	0	21.73	21.98	21.87			
5	16QAM	1	0	21.88	22.11	21.93			
5	16QAM	1	12	21.96	22.07	22.07			
5	16QAM	1	24	21.86	21.90	21.89			23
5	16QAM	12	0	20.73	20.96	20.93			
5	16QAM	12	7	20.78	20.88	20.89			
5	16QAM	12	14	20.58	20.74	20.66			22
5	16QAM	25	0	20.65	20.92	20.81			
5	84QAM	1	0	20.69	20.92	20.78			
5	84QAM	1	12	20.69	21.06	21.04			
5	84QAM	1	24	20.75	20.96	20.78			22
5	84QAM	12	0	19.58	19.90	19.76			
5	84QAM	12	7	19.71	19.88	19.81			
5	84QAM	12	14	19.62	19.82	19.72			21
5	84QAM	25	0	19.68	19.91	19.79			
Channel									
Frequency (MHz)				130087	130092	130097	Tune-up Inst. (dBm)	MPR (dB)	
3	QPSK	1	0	22.69	22.85	22.76			
3	QPSK	1	8	22.67	22.91	22.79			
3	QPSK	1	14	22.63	22.63	22.62			24
3	QPSK	8	0	21.60	21.62	21.78			
3	QPSK	8	4	21.70	21.90	21.82			
3	QPSK	8	7	21.68	21.78	21.77			23
3	QPSK	15	0	21.69	21.99	21.83			
3	16QAM	1	0	21.90	22.17	21.85			
3	16QAM	1	8	22.00	22.14	22.11			
3	16QAM	1	14	21.89	22.02	21.91			23
3	16QAM	8	0	20.62	20.79	20.62			
3	16QAM	8	4	20.70	20.90	20.81			
3	16QAM	8	7	20.63	20.94	20.79			22
3	16QAM	15	0	20.62	20.92	20.79			
3	84QAM	1	0	20.65	20.92	20.84			
3	84QAM	1	8	20.78	20.99	20.94			
3	84QAM	1	14	20.75	20.75	20.81			22
3	84QAM	8	0	19.67	19.87	19.87			
3	84QAM	8	4	19.75	19.97	19.86			
3	84QAM	8	7	19.62	19.77	19.72			21
3	84QAM	15	0	19.53	19.91	19.69			
Channel									
Frequency (MHz)				130079	130092	130095	Tune-up Inst. (dBm)	MPR (dB)	
1.4	QPSK	1	0	22.71	22.88	22.79			
1.4	QPSK	1	3	22.69	23.00	22.81			
1.4	QPSK	1	5	22.58	22.70	22.65			24
1.4	QPSK	3	0	21.72	21.96	22.00			
1.4	QPSK	3	1	22.78	22.92	22.90			
1.4	QPSK	3	3	22.73	22.86	22.84			23
1.4	16QAM	1	0	21.99	22.19	21.97			
1.4	16QAM	1	3	21.98	22.08	22.09			
1.4	16QAM	1	5	21.92	22.03	21.94			23
1.4	16QAM	3	0	21.60	21.94	21.78			
1.4	16QAM	3	1	21.75	21.92	21.89			
1.4	16QAM	3	3	21.73	21.95	21.83			
1.4	16QAM	6	0	20.54	20.92	20.70			22
1.4	84QAM	1	0	20.67	20.90	20.78			
1.4	84QAM	1	3	20.78	21.02	20.93			
1.4	84QAM	1	5	20.71	20.81	20.72			22
1.4	84QAM	3	0	20.54	20.97	20.74			
1.4	84QAM	3	1	20.66	20.99	20.76			
1.4	84QAM	3	3	20.58	20.87	20.88			
1.4	84QAM	6	0	19.53	19.81	19.62			21

Band 66_Ant31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (F/Freq)	Power Make Ch. (F/Freq)	Power High Ch. (F/Freq)	Tune-up Inst. (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				130022	130022	130022			
20	QPSK	1	0	23.08	23.26	23.11			
20	QPSK	1	49	23.15	23.35	23.19			24
20	QPSK	1	99	23.07	23.25	23.12			
20	QPSK	50	0	22.11	22.42	22.26			
20	QPSK	50	24	22.23	22.40	22.32			23
20	QPSK	50	50	22.15	22.35	22.21			
20	QPSK	100	0	22.12	22.39	22.26			
20	16QAM	1	0	22.53	22.23	22.38			
20	16QAM	1	49	22.24	22.38	22.44			23
20	16QAM	1	99	22.15	22.33	22.23			
20	16QAM	50	0	21.10	21.36	21.23			
20	16QAM	50	24	21.13	21.34	21.15			
20	16QAM	50	50	21.10	21.27	21.20			22
20	16QAM	100	0	21.10	21.37	21.19			
20	84QAM	1	0	21.33	21.61	21.52			
20	84QAM	1	49	21.42	21.43	21.51			23
20	84QAM	1	99	20.87	21.45	20.87			
20	84QAM	50	0	20.03	20.34	20.26			
20	84QAM	50	24	20.17	20.34	20.26			22
20	84QAM	50	50	20.06	20.26	20.20			
20	84QAM	100	0	20.05	20.28	20.20			21
Channel <td>130022<td>130022<td>130022<td>Tune-up Inst. (dBm)<td>MPR (dB)<td></td></td></td></td></td></td>				130022 <td>130022<td>130022<td>Tune-up Inst. (dBm)<td>MPR (dB)<td></td></td></td></td></td>	130022 <td>130022<td>Tune-up Inst. (dBm)<td>MPR (dB)<td></td></td></td></td>	130022 <td>Tune-up Inst. (dBm)<td>MPR (dB)<td></td></td></td>	Tune-up Inst. (dBm) <td>MPR (dB)<td></td></td>	MPR (dB) <td></td>	
Frequency (MHz)				17173	1716	17173			
15	QPSK	1	0	22.09	23.13	23.11			
15	QPSK	1	37	23.00	23.21	23.24			24
15	QPSK	1	74	23.00	23.21	23.24			
15	QPSK	1	111	23.00	23.21	23.24			
15	QPSK	36	20	21.91	22.13	22.11			
15	QPSK	36	20	21.96	22.13	22.11			23
15	QPSK	36	20	21.07	22.12	22.03			
15	QPSK	36	20	22.07	22.12	22.03			
15	16QAM	1	0	22.32	22.24	22.34			
15	16QAM	1	37	22.32	22.26	22.31			23
15	16QAM	1	74	22.32	22.26	22.31			
15	16QAM	36	20	20.96	21.10	20.99			
15	16QAM	36	20	20.93	21.11	21.03			22
15	16QAM	36	20	20.95	21.09	20.99			
15	16QAM	36	20	20.97	21.09	21.00			
15	16QAM	1	0	20.97	21.18	20.94			21
15	16QAM	1	37	21.10	21.51	21.28			
15	16QAM	1	74	21.10	21.54	20.99			22
15	16QAM	1	111	21.10	21.54	20.99			
15	16QAM	36	20	20.87	20.90	20.96			21
15	16QAM	36	20	20.89	20.94	20.95			
15	16QAM	36	20	20.88	20.98	20.96			
Channel									
Frequency (MHz)				130022	130022	130022	Tune-up Inst. (dBm)	MPR (dB)	
10	QPSK	1	0	23.04	23.23	22.99			
10	QPSK	1	25	23.04	23.23	22.99			24
10	QPSK	1	49	22.99	23.13	23.13			
10	QPSK	25	0	21.95	22.17	22.04			
10	QPSK	25	12	21.96	22.15	22.02			23
10	QPSK	25	12	21.95	22.15	22.02			
10	QPSK	50	0	22.01	22.21	22.09			
10	QPSK	50	0	22.25	22.28	22.37			21
10	QPSK	50	0	22.28	22.28	22.37			
10	16QAM	1	0	22.29	22.20	21.93			
10	16QAM	25	0	20.96	21.08	21.05			22
10	16QAM	25	12	20.90	21.06	21.01			
10	16QAM	50	0	20.95	21.21	20.98			21
10	16QAM	50	0	20.95	21.21	20.98			
10	16QAM	1	0	21.15	21.18	21.22			
10	16QAM	25	0	20.98	21.38	21.09			22
10	16QAM	1	49	20.88	21.29	20.95			
10	16QAM	25	0	19.92	20.14	19.97			
10	16QAM	25	12	19.97	20.10	19.96			21
10	16QAM	25	12	19.97	20.10	19.96			
10	16QAM	50	0	19.91	20.11	20.01			23
Channel									
Frequency (MHz)				130022	130022	130022	Tune-up Inst. (dBm)	MPR (dB)	
5	QPSK	1	0	23.12	23.11	23.07			
5	QPSK	1	12	22.92	23.09	23.05			24
5	QPSK	1	24	22.82	23.06	22.96			
5	QPSK	12	0	21.98	22.11	22.09			
5	QPSK	12	0	22.11	22.18	22.18			23
5	QPSK	12	13	21.89	22.10	21.97			
5	QPSK	25	0	21.92	22.13	21.99			
5	QPSK	25	0	22.06	22.06	22.06			21
5	16QAM	1	12	22.31	22.95	23.11			
5	16QAM	1	24	22.37	22.23	22.85			22
5	16QAM	12	0	20.88	21.14	20.97			
5	16QAM	12	0	20.85	21.03	20.98			
5	16QAM	12	13	20.81	21.07	20.93			21
5	16QAM	25	0	21.01	21.11	20.98			
5	16QAM	25	0	21.07	21.07	21.07			22
5	16QAM	1	12	21.22	21.48	21.38			
5	16QAM	1	24	21.31	21.38	21.21			23
5	16QAM	12	0	19.95	20.20	19.92			
5	16QAM	12	0	19.95	20.20	19.92			21
5	16QAM	12	13	19.90	20.10	19.99			
5	16QAM	25	0	19.84	20.20	19.89			
Channel									
Frequency (MHz)				17173	1716	17173	Tune-up Inst. (dBm)	MPR (dB)	
3	QPSK	1	0	22.09	23.10	23.06			
3	QPSK	1	8	23.04	23.07	22.99			24
3	QPSK	1	14	23.04	23.07	22.99			
3	QPSK	1	21	21.97	22.13	22.10			
3	QPSK	8	4	21.92	22.10	22.02			23
3	QPSK	8	4	21.84	22.04	21.92			
3	QPSK	1	0	22.07	22.12	22.12			
3	16QAM	1	0	22.15	22.11	22.15			
3	16QAM	1	8	22.09	22.00	22.09			22
3	16QAM	1	14	22.12	22.09	22.10			
3	16QAM	1	21	21.94	22.12	22.10			
3	16QAM	8	4	20.92	21.15	20.93			21
3	16QAM	8	7	20.97	21.09	21.02			
3	16QAM	1	0	21.11	21.13	21.03			
3	16QAM	1	0	20.74	21.38	21.18			22
3	16QAM	1	8	21.26	21.11	21.20			
3	16QAM	1	14	21.17	21.41	21.19			21
3	16QAM	1	21	20.90	21.00	20.92			
3	16QAM	8	4	19.89	20.14	19.87			23
3	16QAM	8	7	19.85	20.03	19.81			
3	16QAM	8	7	19.85	20.03	19.81			
Channel									
Frequency (MHz)				130022	130022	130022	Tune-up Inst. (dBm)	MPR (dB)	
1.4	QPSK	1	0	23.05	23.22	23.09			
1.4	QPSK	1	8	23.05	23.22	23.09			24
1.4	QPSK	1	8	23.05	23.22	23.09			
1.4	QPSK	1	8	23.05	23.22	23.09			
1.4	QPSK	3	0	21.90	22.10	22.01			23
1.4	QPSK	3	0	21.97	22.11	22.05			
1.4	16QAM	1	0	22.41	22.62	22.30			
1.4	16QAM	1	0	22.62	22.62	22.62			22
1.4	16QAM	3	0	22.21	22.12	22.19			
1.4	16QAM	3	0	21.88	22.15	22.08			
1.4	16QAM	3	0	22.06	22.23	22.09			21
1.4	16QAM	3	0	22.06	22.23	22.09			
1.4	16QAM	3	0	20.97	21.20	21.00			22
1.4	16QAM	1	0	20.95	21.40	20.93			
1.4	16QAM	1	0	20.97	21.37	21.00			
1.4	16QAM	1	0	20.96	21.37	21.15			21
1.4	16QAM	3	0	21.05	21.35	21.08			
1.4	16QAM	3	0	20.73	21.11	21.11			23
1.4	16QAM	3	0	21.11	21.12	21.12			
1.4	16QAM	3	0	19.85	20.04	19.85			21

Band 38_Ant31										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	23.44	23.57	23.38	24.8	0		
20	QPSK	1	49	23.70	23.65	23.61				
20	QPSK	1	99	23.52	23.63	23.53				
20	QPSK	50	0	22.65	22.55	22.52	23.8	1		
20	QPSK	50	24	22.56	22.52	22.56				
20	QPSK	50	50	22.48	22.58	22.60				
20	QPSK	100	0	22.63	22.60	22.55	23.8	1		
20	16QAM	1	0	22.39	22.53	22.43				
20	16QAM	1	49	22.59	22.87	22.80				
20	16QAM	1	99	22.44	22.65	22.48	22.8	2		
20	16QAM	50	0	21.52	21.73	21.49				
20	16QAM	50	24	21.53	21.76	21.58				
20	16QAM	50	50	21.47	21.70	21.56	22.8	2		
20	16QAM	100	0	21.50	21.75	21.57				
20	64QAM	1	0	21.14	21.40	21.06	22.8	2		
20	64QAM	1	49	21.31	21.53	21.35				
20	64QAM	1	99	21.16	21.39	21.29				
20	64QAM	50	0	20.62	20.88	20.59	21.8	3		
20	64QAM	50	24	20.67	20.91	20.68				
20	64QAM	50	50	20.56	20.86	20.75				
20	64QAM	100	0	20.67	20.85	20.70	Tune-up limit (dBm)		MPR (dB)	
Channel				37825	38000	38175				
Frequency (MHz)				2577.5	2595	2612.5	24.8	0		
15	QPSK	1	0	23.46	23.60	23.50				
15	QPSK	1	37	23.59	23.66	23.62				
15	QPSK	1	74	23.41	23.64	23.59	23.8	1		
15	QPSK	36	0	22.49	22.56	22.51				
15	QPSK	36	20	22.52	22.58	22.54				
15	QPSK	36	39	22.41	22.61	22.51	23.8	1		
15	QPSK	75	0	22.49	22.62	22.55				
15	16QAM	1	0	22.37	22.52	22.51				
15	16QAM	1	37	22.58	22.68	22.68	23.8	1		
15	16QAM	1	74	22.43	22.58	22.60				
15	16QAM	36	0	21.43	21.54	21.45				
15	16QAM	36	20	21.44	21.56	21.51	22.8	2		
15	16QAM	36	39	21.38	21.58	21.53				
15	16QAM	75	0	21.51	21.59	21.60				
15	64QAM	1	0	21.18	21.34	21.27	22.8	2		
15	64QAM	1	37	21.36	21.47	21.29				
15	64QAM	1	74	21.09	21.30	21.31				
15	64QAM	36	0	20.68	20.76	20.67	21.8	3		
15	64QAM	36	20	20.64	20.73	20.68				
15	64QAM	36	39	20.57	20.80	20.74				
15	64QAM	75	0	20.68	20.78	20.75	Tune-up limit (dBm)		MPR (dB)	
Channel				37800	38000	38200				
Frequency (MHz)				2575	2595	2615	24.8	0		
10	QPSK	1	0	23.55	23.57	23.55				
10	QPSK	1	25	23.55	23.63	23.67				
10	QPSK	1	49	23.51	23.67	23.67	23.8	1		
10	QPSK	25	0	22.49	22.63	22.55				
10	QPSK	25	12	22.48	22.66	22.58				
10	QPSK	25	25	22.49	22.60	22.62	23.8	1		
10	QPSK	50	0	22.50	22.63	22.63				
10	16QAM	1	0	22.51	22.56	22.60				
10	16QAM	1	25	22.57	22.71	22.66	23.8	1		
10	16QAM	1	49	22.54	22.67	22.65				
10	16QAM	25	0	21.58	21.67	21.57				
10	16QAM	25	12	21.50	21.68	21.59	22.8	2		
10	16QAM	25	25	21.46	21.62	21.65				
10	16QAM	50	0	21.50	21.66	21.62				
10	64QAM	1	0	21.23	21.37	21.32	22.8	2		
10	64QAM	1	25	21.28	21.43	21.40				
10	64QAM	1	49	21.22	21.36	21.34				
10	64QAM	25	0	20.76	20.83	20.80	21.8	3		
10	64QAM	25	12	20.70	20.87	20.91				
10	64QAM	25	25	20.64	20.80	20.87				
10	64QAM	50	0	20.61	20.79	20.78	Tune-up limit (dBm)		MPR (dB)	
Channel				37775	38000	38225				
Frequency (MHz)				2572.5	2595	2617.5	24.8	0		
5	QPSK	1	0	23.49	23.67	23.61				
5	QPSK	1	12	23.57	23.58	23.64				
5	QPSK	1	24	23.52	23.69	23.66	23.8	1		
5	QPSK	12	0	22.51	22.68	22.61				
5	QPSK	12	7	22.45	22.61	22.62				
5	QPSK	12	13	22.48	22.56	22.65	23.8	1		
5	QPSK	25	0	22.48	22.62	22.69				
5	16QAM	1	0	22.43	22.60	22.64				
5	16QAM	1	12	22.54	22.68	22.64	23.8	1		
5	16QAM	1	24	22.48	22.66	22.71				
5	16QAM	12	0	21.48	21.63	21.59				
5	16QAM	12	7	21.39	21.53	21.61	22.8	2		
5	16QAM	12	13	21.40	21.54	21.58				
5	16QAM	25	0	21.55	21.64	21.67				
5	64QAM	1	0	21.20	21.47	21.31	22.8	2		
5	64QAM	1	12	21.27	21.49	21.41				
5	64QAM	1	24	21.23	21.45	21.42				
5	64QAM	12	0	20.66	20.86	20.77	21.8	3		
5	64QAM	12	7	20.61	20.80	20.85				
5	64QAM	12	13	20.65	20.78	20.82				
5	64QAM	25	0	20.75	20.87	20.87	Tune-up limit (dBm)		MPR (dB)	
Channel				37750	38000	38250				
Frequency (MHz)				2572.5	2595	2617.5	24.8	0		
5	QPSK	1	0	23.49	23.67	23.61				
5	QPSK	1	12	23.57	23.58	23.64				
5	QPSK	1	24	23.52	23.69	23.66	23.8	1		
5	QPSK	12	0	22.51	22.68	22.61				
5	QPSK	12	7	22.45	22.61	22.62				
5	QPSK	12	13	22.48	22.56	22.65	23.8	1		
5	QPSK	25	0	22.48	22.62	22.69				
5	16QAM	1	0	22.43	22.60	22.64				
5	16QAM	1	12	22.54			Tune-up limit (dBm)		MPR (dB)	

Band 41_Ant31												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	23.44	23.36	23.52	23.47	23.36	24.8	0		
20	QPSK	1	49	23.50	23.48	23.71	23.62	23.60				
20	QPSK	1	99	23.39	23.35	23.60	23.45	23.45				
20	QPSK	50	0	22.38	22.49	22.66	22.53	22.54	23.8	1		
20	QPSK	50	24	22.50	22.49	22.60	22.55	22.55				
20	QPSK	50	50	22.53	22.45	22.53	22.58	22.55				
20	QPSK	100	0	22.42	22.46	22.60	22.56	22.51	23.8	1		
20	16QAM	1	0	22.39	22.28	22.56	22.45	22.37				
20	16QAM	1	49	22.54	22.56	22.71	22.60	22.64				
20	16QAM	1	99	22.40	22.33	22.60	22.42	22.46	22.8	2		
20	16QAM	50	0	21.62	21.53	21.62	21.52	21.52				
20	16QAM	50	24	21.73	21.51	21.68	21.58	21.57				
20	16QAM	50	50	21.72	21.46	21.64	21.53	21.53	22.8	2		
20	16QAM	100	0	21.64	21.49	21.60	21.59	21.52				
20	64QAM	1	0	21.30	21.06	21.16	21.14	21.12				
20	64QAM	1	49	21.41	21.25	21.42	21.40	21.30	22.8	2		
20	64QAM	1	99	21.27	21.05	21.30	21.15	21.19				
20	64QAM	50	0	20.54	20.66	20.78	20.68	20.66				
20	64QAM	50	24	20.61	20.66	20.83	20.72	20.73	21.8	3		
20	64QAM	50	50	20.66	20.56	20.81	20.69	20.70				
20	64QAM	100	0	20.56	20.62	20.77	20.67	20.65				
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5				
15	QPSK	1	0	23.43	23.46	23.48	23.47	23.43	24.80	0		
15	QPSK	1	37	23.53	23.67	23.70	23.69	23.54				
15	QPSK	1	74	23.48	23.43	23.58	23.56	23.45				
15	QPSK	36	0	22.39	22.39	22.56	22.49	22.41	23.8	1		
15	QPSK	36	20	22.44	22.47	22.58	22.51	22.42				
15	QPSK	36	39	22.47	22.45	22.64	22.51	22.41				
15	QPSK	75	0	22.48	22.47	22.56	22.52	22.44	23.8	1		
15	16QAM	1	0	22.45	22.36	22.47	22.46	22.36				
15	16QAM	1	37	22.55	22.53	22.67	22.58	22.57				
15	16QAM	1	74	22.47	22.43	22.53	22.43	22.47	22.8	2		
15	16QAM	36	0	21.54	21.59	21.53	21.46	21.39				
15	16QAM	36	20	21.64	21.60	21.58	21.43	21.39				
15	16QAM	36	39	21.71	21.64	21.61	21.47	21.38	22.8	2		
15	16QAM	75	0	21.60	21.66	21.62	21.53	21.46				
15	64QAM	1	0	21.30	21.29	21.27	21.15	21.14				
15	64QAM	1	37	21.46	21.43	21.37	21.31	21.37	21.8	3		
15	64QAM	1	74	21.32	21.39	21.29	21.23	21.13				
15	64QAM	36	0	20.64	20.56	20.75	20.66	20.58				
15	64QAM	36	20	20.61	20.59	20.79	20.63	20.62	24.80	0		
15	64QAM	36	39	20.68	20.67	20.77	20.66	20.58				
15	64QAM	75	0	20.55	20.53	20.78	20.67	20.61				
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2501	2547	2593	2639	2685				
10	QPSK	1	0	23.42	23.60	23.58	23.43	23.62	23.8	1		
10	QPSK	1	25	23.47	23.66	23.55	23.56	23.69				
10	QPSK	1	49	23.40	23.68	23.58	23.50	23.67				
10	QPSK	25	0	22.29	22.61	22.47	22.44	22.65	23.8	1		
10	QPSK	25	12	22.39	22.63	22.46	22.49	22.72				
10	QPSK	25	25	22.41	22.71	22.45	22.45	22.71				
10	QPSK	50	0	22.45	22.63	22.47	22.51	22.71	23.8	1		
10	16QAM	1	0	22.35	22.59	22.45	22.42	22.62				
10	16QAM	1	25	22.47	22.67	22.56	22.55	22.65				
10	16QAM	1	49	22.38	22.61	22.50	22.53	22.73	22.8	2		
10	16QAM	25	0	21.57	21.67	21.47	21.53	21.68				
10	16QAM	25	12	21.60	21.67	21.52	21.50	21.74				
10	16QAM	25	25	21.55	21.65	21.52	21.46	21.77	22.8	2		
10	16QAM	50	0	21.59	21.61	21.48	21.50	21.75				
10	64QAM	1	0	21.33	21.30	21.25	21.16	21.46				
10	64QAM	1	25	21.37	21.46	21.28	21.29	21.50	21.8	3		
10	64QAM	1	49	21.29	21.38	21.17	21.19	21.44				
10	64QAM	25	0	20.52	20.80	20.66	20.68	20.92				
10	64QAM	25	12	20.60	20.80	20.68	20.77	20.94	24.80	0		
10	64QAM	25	25	20.64	20.86	20.65	20.69	21.01				
10	64QAM	50	0	20.66	20.77	20.64	20.67	20.93				
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5				
5	QPSK	1	0	23.36	23.55	23.46	23.43	23.45	23.8	0		
5	QPSK	1	12	23.41	23.63	23.57	23.51	23.53				
5	QPSK	1	24	23.36	23.65	23.52	23.47	23.49				
5	QPSK	12	0	22.33	22.55	22.40	22.42	22.41	23.8	1		
5	QPSK	12	7	22.34	22.57	22.39	22.39	22.41				
5	QPSK	12	13	22.34	22.58	22.45	22.40	22.39				
5	QPSK	25	0	22.34	22.57	22.41	22.40	22.48	23.8	1		
5	16QAM	1	0	22.38	22.58	22.39	22.41	22.41				
5	16QAM	1	12	22.44	22.68	22.43	22.54	22.44				
5	16QAM	1	24	22.37	22.61	22.45	22.45	22.44	22.8	2		
5	16QAM	12	0	21.45	21.51	21.37	21.35	21.37				
5	16QAM	12	7	21.44	21.52	21.33	21.34	21.35				
5	16QAM	12	13	21.48	21.48	21.34	21.31	21.29	22.8	2		
5	16QAM	25	0	21.58	21.54	21.45	21.46	21.44				
5	64QAM	1	0	21.34	21.32	21.20	21.24	21.19				
5	64QAM	1	12	21.31	21.29	21.15	21.25	21.20	21.8	3		
5	64QAM	1	24	21.34	21.36	21.19	21.22	21.22				
5	64QAM	12	0	20.47	20.72	20.53	20.60	20.54				
5	64QAM	12	7	20.52	20.75	20.55	20.58	20.52	24.80	0		
5	64QAM	12	13	20.46	20.72	20.54	20.53	20.54				
5	64QAM	25	0	20.58	20.74	20.61	20.62	20.59				

Band 41_Ant14												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)		
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	23.15	23.35	23.20	23.15	23.30	24.8	0		
20	QPSK	1	49	23.41	23.50	23.63	23.36	23.52				
20	QPSK	1	99	23.28	23.44	23.20	23.16	23.36				
20	QPSK	50	0	22.24	22.40	22.55	22.31	22.48	23.8	1		
20	QPSK	50	24	22.35	22.45	22.32	22.28	22.47				
20	QPSK	50	50	22.36	22.45	22.26	22.24	22.42				
20	QPSK	100	0	22.31	22.45	22.26	22.26	22.50	23.8	1		
20	16QAM	1	0	22.19	22.33	22.16	22.14	22.28				
20	16QAM	1	49	22.40	22.53	22.37	22.37	22.54				
20	16QAM	1	99	22.26	22.40	22.15	22.14	22.34	22.8	2		
20	16QAM	50	0	21.41	21.44	21.34	21.31	21.47				
20	16QAM	50	24	21.54	21.51	21.32	21.30	21.48				
20	16QAM	50	50	21.55	21.50	21.23	21.23	21.51	21.8	3		
20	16QAM	100	0	21.48	21.45	21.28	21.28	21.49				
20	64QAM	1	0	21.11	21.04	21.09	21.05	21.05				
20	64QAM	1	49	21.28	21.26	21.10	21.10	21.26	22.8	2		
20	64QAM	1	99	21.05	21.11	21.11	21.08	21.08				
20	64QAM	50	0	20.31	20.60	20.47	20.47	20.66				
20	64QAM	50	24	20.41	20.67	20.46	20.44	20.64	21.8	3		
20	64QAM	50	50	20.51	20.63	20.42	20.39	20.67				
20	64QAM	100	0	20.38	20.60	20.44	20.43	20.65				
Channel				39725	40173	40620	41068	41515	Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5				
15	QPSK	1	0	23.02	23.32	23.19	22.97	23.18	24.80	0		
15	QPSK	1	37	23.30	23.40	23.44	23.27	23.39				
15	QPSK	1	74	23.10	23.30	23.02	23.07	23.33				
15	QPSK	36	0	22.15	22.25	22.40	22.20	22.31	23.8	1		
15	QPSK	36	20	22.10	22.31	22.16	22.15	22.38				
15	QPSK	36	39	22.34	22.31	22.23	22.24	22.32				
15	QPSK	75	0	22.31	22.40	22.52	22.11	22.50	23.8	1		
15	16QAM	1	0	22.15	22.15	22.12	22.04	22.18				
15	16QAM	1	37	22.27	22.40	22.24	22.35	22.43				
15	16QAM	1	74	22.26	22.35	22.15	22.00	22.16	22.8	2		
15	16QAM	36	0	21.36	21.26	21.29	21.26	21.43				
15	16QAM	36	20	21.50	21.51	21.28	21.15	21.38				
15	16QAM	36	39	21.51	21.48	21.19	21.06	21.46	21.8	3		
15	16QAM	75	0	21.47	21.32	21.27	21.23	21.48				
15	16QAM	1	0	20.99	20.90	20.97	20.14	20.95				
15	64QAM	1	0	21.26	21.19	21.08	20.94	21.18	22.8	2		
15	64QAM	1	74	20.87	21.05	20.92	21.03	21.01				
15	64QAM	36	0	20.24	20.46	20.40	20.30	20.57				
15	64QAM	36	20	20.23	20.55	20.28	20.41	20.50	21.8	3		
15	64QAM	36	39	20.50	20.58	20.41	20.38	20.56				
15	64QAM	75	0	20.35	20.47	20.41	20.25	20.56				
Channel				39700	40160	40620	41080	41540	Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				2501	2547	2593	2639	2685				
10	QPSK	1	0	23.15	23.31	23.17	23.10	23.22	24.80	0		
10	QPSK	1	25	23.27	23.42	23.41	23.19	23.33				
10	QPSK	1	49	23.23	23.40	23.15	23.14	23.34				
10	QPSK	25	0	22.10	22.28	22.35	22.28	22.42	23.8	1		
10	QPSK	25	12	22.16	22.45	22.13	22.09	22.47				
10	QPSK	25	25	22.27	22.28	22.16	22.23	22.29				
10	QPSK	50	0	22.23	22.29	22.44	22.12	22.40	23.8	1		
10	16QAM	1	0	22.12	22.32	22.09	22.01	22.21				
10	16QAM	1	25	22.23	22.39	22.20	22.28	22.41				
10	16QAM	1	49	22.08	22.40	21.97	22.01	22.18	22.8	2		
10	16QAM	25	0	21.29	21.36	21.22	21.30	21.39				
10	16QAM	25	12	21.41	21.33	21.19	21.29	21.48				
10	16QAM	25	25	21.39	21.32	21.07	21.21	21.47	21.8	3		
10	16QAM	50	0	21.35	21.21	21.15	21.15	21.32				
10	64QAM	1	0	20.94	20.91	20.92	20.31	20.86				
10	64QAM	1	25	21.24	21.22	21.06	21.03	21.09	22.8	2		
10	64QAM	1	49	20.97	21.10	21.02	20.95	21.01				
10	64QAM	25	0	20.21	20.46	20.37	20.35	20.65				
10	64QAM	25	12	20.35	20.61	20.40	20.26	20.45	21.8	3		
10	64QAM	25	25	20.36	20.54	20.27	20.37	20.61				
10	64QAM	50	0	20.30	20.50	20.36	20.24	20.58				
Channel				39675	40148	40620	41093	41565	Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5				
5	QPSK	1	0	22.98	23.24	23.06	23.06	23.26	24.80	0		
5	QPSK	1	12	23.29	23.31	23.43	23.35	23.34				
5	QPSK	1	24	23.09	23.27	23.39	23.36	23.21				
5	QPSK	12	0	22.21	22.39	22.48	22.20	22.33	23.8	1		
5	QPSK	12	7	22.24	22.43	22.21	22.25	22.44				
5	QPSK	12	13	22.21	22.36	22.10	22.16	22.34				
5	QPSK	25	0	22.20	22.38	22.41	22.20	22.39	23.8	1		
5	16QAM	1	0	22.06	22.17	22.03	22.06	22.28				
5	16QAM	1	12	22.37	22.48	22.34	22.23	22.46				
5	16QAM	1	24	22.25	22.37	22.14	22.13	22.28	22.8	2		
5	16QAM	12	0	21.36	21.27	21.29	21.25	21.28				
5	16QAM	12	7	21.37	21.51	21.15	21.30	21.48				
5	16QAM	12	13	21.46	21.48	21.14	21.18	21.44	21.8	3		
5	16QAM	25	0	21.43	21.36	21.23	21.10	21.32				
5	64QAM	1	0	20.96	20.93	20.96	20.68	21.01				
5	64QAM	1	12	21.11	21.26	20.93	21.05	21.11	22.8	2		
5	64QAM	1	24	21.04	20.94	21.09	20.95	20.97				
5	64QAM	12	0	20.22	20.50	20.38	20.47	20.55				
5	64QAM	12	7	20.28	20.50	20.33	20.39	20.46	21.8	3		
5	64QAM	12	13	20.40	20.50	20.31	20.33	20.56				
5	64QAM	25	0	20.36	20.42	20.42	20.27	20.50				



DSI 2 Power

Band 2_Ant14									
SW (MHz)	Modulation	RB Size	RB Offset	Power Ch./F/Freq.	Power Ch./F/Freq.	Power Ch./F/Freq.	Turn-on Time (s)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	16.17	16.24	16.22			
20	QPSK	1	49	16.23	16.30	16.31	17.5	0	
20	QPSK	1	99	16.34	16.42	16.41			
20	QPSK	50	0	16.16	16.21	16.10			
20	QPSK	50	24	16.16	16.23	16.12	17.5	0	
20	QPSK	50	50	16.16	16.22	16.21			
20	QPSK	100	0	16.12	16.24	16.16			
20	16QAM	1	0	16.25	16.31	16.22			
20	16QAM	1	49	16.30	16.32	16.23	17.5	0	
20	16QAM	1	99	16.26	16.32	16.16			
20	16QAM	50	0	16.07	16.20	16.20			
20	16QAM	50	24	16.16	16.26	16.21	17.5	0	
20	16QAM	50	50	16.16	16.31	16.18			
20	16QAM	100	0	16.04	16.20	16.20			
20	16QAM	1	0	16.22	16.31	16.18			
20	16QAM	1	49	16.24	16.32	16.23	17.5	0	
20	16QAM	1	99	16.12	16.23	16.18			
20	16QAM	50	0	16.20	16.24	16.21			
20	16QAM	50	24	16.16	16.35	16.34	17.5	0	
20	16QAM	50	50	16.16	16.34	16.28			
20	16QAM	100	0	16.01	16.24	16.28			
Channel									
Frequency (MHz)									
15	QPSK	1	0	16.17	16.20	16.12	Turn-on Time (s)	MPR (dB)	
15	QPSK	1	37	16.17	16.22	16.13	17.5	0	
15	QPSK	1	74	16.06	16.10	16.07			
15	QPSK	36	0	16.02	16.16	16.08			
15	QPSK	36	20	16.13	16.21	16.08	17.5	0	
15	QPSK	36	50	16.14	16.21	16.12			
15	QPSK	75	0	16.00	16.24	16.12			
15	16QAM	1	0	16.23	16.23	16.11	17.5	0	
15	16QAM	1	37	16.05	16.21	16.08			
15	16QAM	1	74	16.05	16.21	16.03			
15	16QAM	36	0	16.15	16.28	16.13			
15	16QAM	36	20	16.05	16.15	16.12	17.5	0	
15	16QAM	36	50	16.16	16.20	16.10			
15	16QAM	75	0	16.12	16.20	16.14			
15	16QAM	1	0	16.08	16.28	16.09			
15	16QAM	1	37	16.16	16.22	16.21	17.5	0	
15	16QAM	1	74	16.07	16.21	16.08			
15	16QAM	36	0	16.17	16.31	16.13			
15	16QAM	36	20	16.10	16.20	16.20	17.5	0	
15	16QAM	36	50	16.07	16.21	16.20			
15	16QAM	75	0	16.07	16.21	16.25			
Channel									
Frequency (MHz)									
10	QPSK	1	0	16.03	16.01	16.02	Turn-on Time (s)	MPR (dB)	
10	QPSK	1	25	16.14	16.26	16.16	17.5	0	
10	QPSK	1	49	16.01	16.03	16.06			
10	QPSK	25	0	16.02	16.20	16.05			
10	QPSK	25	12	16.09	16.20	16.03	17.5	0	
10	QPSK	25	25	16.05	16.18	16.12			
10	QPSK	50	0	16.08	16.16	16.10			
10	16QAM	1	0	16.11	16.16	16.12	17.5	0	
10	16QAM	1	25	16.16	16.21	16.20			
10	16QAM	1	49	16.07	16.17	16.13			
10	16QAM	25	0	16.22	16.27	16.21	17.5	0	
10	16QAM	25	12	16.16	16.24	16.12			
10	16QAM	25	25	16.07	16.20	16.07	17.5	0	
10	16QAM	50	0	16.17	16.22	16.25			
10	16QAM	1	0	16.08	16.28	16.09			
10	16QAM	1	25	16.16	16.22	16.21	17.5	0	
10	16QAM	1	49	16.07	16.12	16.12			
10	16QAM	25	0	16.20	16.19	16.07			
10	16QAM	25	12	16.16	16.28	16.18	17.5	0	
10	16QAM	25	25	16.05	16.20	16.22			
10	16QAM	50	0	16.14	16.25	16.24			
Channel									
Frequency (MHz)									
5	QPSK	1	0	16.03	16.01	16.08	Turn-on Time (s)	MPR (dB)	
5	QPSK	1	12	16.16	16.31	16.27	17.5	0	
5	QPSK	1	24	16.00	16.04	16.06			
5	QPSK	12	0	16.07	16.27	16.09			
5	QPSK	12	7	16.14	16.26	16.04	17.5	0	
5	QPSK	12	13	16.08	16.12	16.06			
5	QPSK	25	0	16.12	16.28	16.09			
5	QPSK	25	6	16.17	16.20	16.09	17.5	0	
5	16QAM	1	12	16.16	16.27	16.16			
5	16QAM	1	24	16.00	16.14	16.14	17.5	0	
5	16QAM	12	0	16.15	16.21	16.13			
5	16QAM	12	7	16.10	16.14	16.17	17.5	0	
5	16QAM	12	13	16.11	16.26	16.15			
5	16QAM	25	0	16.04	16.24	16.19			
5	16QAM	25	6	16.14	16.21	16.08	17.5	0	
5	16QAM	1	12	16.16	16.26	16.11			
5	16QAM	1	24	16.07	16.08	16.15			
5	16QAM	12	0	16.15	16.28	16.18	17.5	0	
5	16QAM	12	7	16.21	16.20	16.25			
5	16QAM	12	13	16.16	16.19	16.13			
5	16QAM	25	0	16.12	16.22	16.16	17.5	0	
Channel									
Frequency (MHz)									
3	QPSK	1	0	16.03	16.21	16.19	Turn-on Time (s)	MPR (dB)	
3	QPSK	1	6	16.05	16.24	16.19	17.5	0	
3	QPSK	6	0	16.09	16.08	16.07			
3	QPSK	6	4	16.08	16.14	16.08	17.5	0	
3	QPSK	6	4	16.08	16.10	16.05			
3	QPSK	15	0	16.09	16.21	16.05			
3	16QAM	1	0	16.10	16.27	16.11	17.5	0	
3	16QAM	1	6	16.24	16.16	16.09			
3	16QAM	6	0	16.19	16.07	16.07			
3	16QAM	6	4	16.22	16.15	16.10	17.5	0	
3	16QAM	6	4	16.13	16.20	16.11			
3	16QAM	15	0	16.08	16.23	16.06			
3	16QAM	15	0	16.14	16.22	16.16	17.5	0	
3	16QAM	1	0	16.16	16.17	16.13			
3	16QAM	1	6	16.15	16.25	16.15			
3	16QAM	6	0	16.07	16.21	16.09	17.5	0	
3	16QAM	6	4	16.17	16.16	16.09			
3	16QAM	6	4	16.09	16.20	16.28	17.5	0	
3	16QAM	15	0	16.12	16.26	16.15			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	16.16	16.22	16.16	Turn-on Time (s)	MPR (dB)	
1.4	QPSK	1	6	16.21	16.22	16.17	17.5	0	
1.4	QPSK	1	6	16.07	16.04	16.06			
1.4	QPSK	3	0	16.03	16.19	16.00			
1.4	QPSK	3	6	16.07	16.20	16.09	17.5	0	
1.4	QPSK	3	6	16.08	16.09	16.12			
1.4	QPSK	6	0	16.05	16.23	16.05	17.5	0	
1.4	16QAM	1	0	16.11	16.21	16.12			
1.4	16QAM	1	6	16.20	16.24	16.18	17.5	0	
1.4	16QAM	1	6	16.14	16.12	16.11			
1.4	16QAM	3	0	16.16	16.26	16.14			
1.4	16QAM	3	6	16.18	16.17	16.08	17.5	0	
1.4	16QAM	6	0	16.16	16.18	16.28			
1.4	16QAM	1	0	16.11	16.25	16.04			
1.4	16QAM	1	6	16.22	16.26	16.20	17.5	0	
1.4	16QAM	1	6	16.16	16.14	16.06			
1.4	16QAM	3	0	16.16	16.28	16.20			
1.4	16QAM	3	6	16.18	16.28	16.19	17.5	0	
1.4	16QAM	3	6	16.16	16.32	16.20			
1.4	16QAM	6	0	16.16	16.22	16.24	17.5	0	

Band 2_Ant31									
SW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch./F/Freq.	Power Level Ch./F/Freq.	Power Level Ch./F/Freq.	Turn-on Time (s)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.05	22.17	22.13			
20	QPSK	1	49	22.24	22.22	22.23	23.5	0	
20	QPSK	1	99	21.97	22.02	22.13			
20	QPSK	50	0	21.16	21.18	21.15			
20	QPSK	50	24	21.21	21.15	21.21	22.5	1	
20	QPSK	50	50	21.11	21.19	21.10			
20	QPSK	100	0	21.10	21.00	21.13			
20	16QAM	1	0	20.99	21.35	21.45			
20	16QAM	1	49	21.19	21.52	21.59	22.5	1	
20	16QAM	1	99	21.21	21.52	21.16			
20	16QAM	50	0	20.08	20.24	20.23			
20	16QAM	50	24	20.15	20.16	20.19	21.5	2	
20	16QAM	50	50	20.13	20.20	20.16			
20	16QAM	100	0	20.09	20.38	20.18			
20	16QAM	100	0	20.09	20.38	20.18			
20	16QAM	1	49	20.25	20.52	20.45	21.5	2	
20	16QAM	1	99	20.15	20.38	20.41			
20	16QAM	50	0	19.12	19.18	19.15			
20	16QAM	50	24	19.15	19.18	19.15	20.5	3	
20	16QAM	50	50	19.03	19.18	19.08			
20	16QAM	100	0	19.07	19.13	19.08			
Channel									
Frequency (MHz)									
15	QPSK	1	0	21.97	22.03	21.87			
15	QPSK	1	37	22.03	22.27	21.88	23.5	0	
15	QPSK	1	74	21.97	21.93	21.97			
15	QPSK	36	0	21.06	20.95	20.98			
15	QPSK	36	20	21.06	20.97	20.95	22.5	1	
15	QPSK	36	36	21.05	20.97	20.97			
15	QPSK	50	0	20.95	20.98	20.97			
15	16QAM	1	0	21.56	21.61	20.76			
15	16QAM	1	37	21.57	21.69	21.31	22.5	1	
15	16QAM	1	74	21.57	21.57	21.58			
15	16QAM	36	0	20.03	19.99	19.98			
15	16QAM	36	20	19.97	19.95	19.95	21.5	2	
15	16QAM	36	36	19.98	19.92	19.96			
15	16QAM	50	0	19.94	19.94	19.93			
15	16QAM	1	0	20.29	20.95	20.55			
15	16QAM	1	37	20.06	20.24	20.01	21.5	2	
15	16QAM	1	74	20.24	20.10	20.25			
15	16QAM	36	0	19.97	19.97	19.97	20.5	3	
15	16QAM	36	20	19.93	19.95	19.93			
15	16QAM	36	36	19.99	19.85	19.92			
15	16QAM	50	0	19.94	19.93	19.93			
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.24	22.13	22.17			
10	QPSK	1	49	22.14	22.12	22.18	23.5	0	
10	QPSK	25	0	21.16	21.03	21.07	22.5	1	
10	QPSK	25	12	21.12	21.12	21.12			
10	QPSK	50	0	21.18	21.08	21.08			
10	16QAM	1	0	21.09	20.95	21.23			
10	16QAM	1	49	21.08	20.94	21.08	22.5	1	
10	16QAM	1	99	20.95	21.38	21.31			
10	16QAM	25	0	20.02	20.02	20.13			
10	16QAM	25	12	20.20	20.04	20.20	21.5	2	
10	16QAM	25	25	20.09	20.08	20.07			
10	16QAM	50	0	20.11	19.98	19.98			
10	16QAM	1	0	20.40	20.23	20.17			
10	16QAM	25	0	19.94	19.94	19.94	21.5	2	
10	16QAM	1	49	20.32	20.25	20.19			
10	16QAM	25	0	19.10	19.95	19.07			
10	16QAM	25	12	19.18	19.98	19.11	20.5	3	
10	16QAM	25	25	19.10	19.98	19.07			
10	16QAM	50	0	19.10	19.98	19.07			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.14	22.13	22.15			
5	QPSK	1	12	22.26	22.15	22.15	23.5	0	
5	QPSK	1	24	22.23	22.04	22.11			
5	QPSK	12	0	21.17	21.05	21.11	22.5	1	
5	QPSK	12	6	21.11	21.02	21.08			
5	QPSK	12	13	21.10	21.04	21.08			
5	QPSK	25	0	21.03	21.09	21.09			
5	QPSK	25	6	21.04	21.02	21.03	22.5	1	
5	16QAM	1	12	21.57	21.45	21.45			
5	16QAM	1	24	21.56	21.56	21.51	22.5	1	
5	16QAM	12	0	20.07	20.09	20.08			
5	16QAM	12	6	20.16	20.09	20.09	21.5	2	
5	16QAM	12	13	20.04	19.92	19.95			
5	16QAM	25	0	20.21	20.21	20.21			
5	16QAM	25	6	20.29	20.29	20.29	20.5	3	
5	16QAM	1	12	20.13	20.12	20.13			
5	16QAM	1	24	20.13	20.12	20.13	21.5	2	
5	16QAM	1	24	20.46	20.03	20.08			
5	16QAM	12	0	19.14	19.09	19.14			
5	16QAM	12	6	19.16	19.03	19.14	20.5	3	
5	16QAM	12	13	19.09	19.03	19.04			
5	16QAM	25	0	19.02	19.08	19.08			
Channel									
Frequency (MHz)									
3	QPSK	1	0	22.17	22.04	22.01			
3	QPSK	1	8	22.10	22.00	22.21	23.5	0	
3	QPSK	1	16	22.09	22.00	22.00			
3	QPSK	8	0	21.09	21.07	21.01	22.5	1	
3	QPSK	8	4	21.11	20.96	21.01			
3	QPSK	8	7	21.05	20.94	21.03			
3	QPSK	16	0	21.11	21.02	21.08			
3	QPSK	16	0	21.27	20.95	21.31	22.5	1	
3	16QAM	1	8	21.17	20.89	20.85	22.5	1	
3	16QAM	1	14	21.15	20.82	21.05			
3	16QAM	8	0	20.16	20.09	20.16			
3	16QAM	8	4	20.13	20.12	19.99	21.5	2	
3	16QAM	8	7	20.16	19.99	20.13			
3	16QAM	16	0	20.09	20.09	20.09			
3	16QAM	1	0	20.33	19.93	20.01			
3	16QAM	1	8	20.35	20.00	20.05	21.5	2	
3	16QAM	1	14	20.34	20.01	20.17			
3	16QAM	8	0	19.03	19.03	19.03	20.5	3	
3	16QAM	8	4	19.20	19.12	19.17			
3	16QAM	8	7	19.00	19.03	19.01			
3	16QAM	16	0	19.06	19.06	19.06			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	22.26	22.08	22.02			
1.4	QPSK	1	8	22.16	22.00	22.16	23.5	0	
1.4	QPSK	1	8	22.22	22.16	22.17			
1.4	QPSK	3	0	22.15	22.05	21.94			
1.4	QPSK	3	0	22.10	22.12	22.11			
1.4	QPSK	3	0	22.16	22.05	22.20	23.5	0	
1.4	QPSK	6	0	21.20	21.07	21.04	22.5	0	
1.4	16QAM	1	0	21.49	21.43	21.35			
1.4	16QAM	1	3	21.23	21.10	21.07	23.5	0	
1.4	16QAM	1	3	21.04	21.08	21.04			
1.4	16QAM	3	0	21.01	21.11	21.17			
1.4	16QAM	3	3	21.07	21.05	21.17			
1.4	16QAM	6	0	20.10	20.15	20.08	23.5	0	
1.4	16QAM	1	0	20.10	19.89	20.06			
1.4	16QAM	1	3	20.11	20.08	20.20			
1.4	16QAM	3	0	20.22	20.22	20.22	23.5	0	
1.4	16QAM	3	0	20.20	20.23	20.20			
1.4	16QAM	3	1	20.22	20.03	20.11			
1.4	16QAM	6	0	19.03	19.02	19.26	23.5	0	
1.4	16QAM	6	0	19.03	19.08	19.08	23.5	0	

Band 5_Ant11										
BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch / Freq	Power Margin Ch / Freq	Power Slope Ch / Freq	Turn-up Time (s)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	21.37	21.45	21.34				
10	QPSK	1	25	21.48	21.58	21.45	22.8	0		
10	QPSK	25	49	21.48	21.47	21.41				
10	QPSK	25	0	21.44	21.47	21.37				
10	QPSK	25	12	21.47	21.52	21.46	22.8	0		
10	QPSK	25	25	21.51	21.44	21.36				
10	QPSK	50	0	21.39	21.46	21.37				
10	HQAM	1	0	21.39	21.54	21.48				
10	HQAM	1	25	21.49	21.54	21.46	22.8	0		
10	HQAM	1	49	21.48	21.56	21.57				
10	HQAM	25	0	21.48	21.58	21.52				
10	HQAM	25	12	21.38	21.46	21.38	22.8	0		
10	HQAM	25	25	21.48	21.58	21.58				
10	HQAM	50	0	21.48	21.55	21.47				
10	HQAM	1	0	21.43	21.55	21.47				
10	HQAM	1	25	21.38	21.45	21.31	22.8	0		
10	HQAM	1	49	21.55	21.57	21.52				
10	HQAM	25	0	20.70	20.81	20.50				
10	HQAM	25	12	20.62	20.60	20.67	21.8	1		
10	HQAM	25	25	20.51	20.71	20.81				
10	HQAM	50	0	20.43	20.63	20.64				
Channel										
Frequency (MHz)										
5	QPSK	1	0	21.27	21.41	21.27				
5	QPSK	1	12	21.42	21.53	21.42	22.8	0		
5	QPSK	1	24	21.40	21.39	21.29				
5	QPSK	12	0	21.38	21.41	21.35				
5	QPSK	12	7	21.42	21.48	21.52	22.8	0		
5	QPSK	12	13	21.77	21.38	21.35				
5	QPSK	25	0	21.37	21.45	21.23				
5	HQAM	1	0	21.31	21.44	21.37				
5	HQAM	1	12	21.42	21.48	21.42	22.8	0		
5	HQAM	1	24	21.41	21.47	21.49				
5	HQAM	12	0	21.38	21.46	21.53				
5	HQAM	12	7	21.31	21.42	21.53	22.8	0		
5	HQAM	12	13	21.43	21.48	21.52				
5	HQAM	25	0	21.43	21.47	21.43				
5	HQAM	1	0	21.38	21.49	21.34	22.8	0		
5	HQAM	1	12	21.27	21.26	21.24				
5	HQAM	1	24	21.47	21.46	21.51				
5	HQAM	12	0	20.45	20.54	20.79				
5	HQAM	12	7	20.53	20.55	20.53	21.8	1		
5	HQAM	12	13	20.45	20.46	20.50				
5	HQAM	25	0	20.42	20.54	20.50				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	21.30	21.39	21.27				
1.4	QPSK	1	3	21.34	21.53	21.43	22.8	0		
1.4	QPSK	1	5	21.52	21.44	21.31				
1.4	QPSK	3	0	21.27	21.39	21.27				
1.4	QPSK	3	1	21.45	21.46	21.44	22.8	0		
1.4	QPSK	3	3	21.34	21.32	21.34				
1.4	QPSK	3	5	21.41	21.37	21.36				
1.4	HQAM	1	0	21.38	21.47	21.40	22.8	0		
1.4	HQAM	1	3	21.39	21.31	21.25				
1.4	HQAM	1	5	21.51	21.34	21.35	22.8	0		
1.4	HQAM	3	0	21.29	21.43	21.35				
1.4	HQAM	3	1	21.48	21.53	21.39				
1.4	HQAM	3	3	21.42	21.51	21.39	22.8	0		
1.4	HQAM	3	5	21.49	21.47	21.43				
1.4	HQAM	1	0	21.23	21.42	21.37	22.8	0		
1.4	HQAM	1	3	21.42	21.45	21.53				
1.4	HQAM	1	5	21.44	21.43	21.36	22.8	0		
1.4	HQAM	3	0	21.33	21.48	21.40				
1.4	HQAM	3	1	21.28	21.34	21.27				
1.4	HQAM	3	3	21.42	21.47	21.48	21.8	1		
1.4	HQAM	3	5	20.38	20.33	20.30	21.8	1		

Band 5_Ant41										
BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch / Freq	Power Margin Ch / Freq	Power Slope Ch / Freq	Turn-up Time (s)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	21.45	21.55	21.54				
10	QPSK	1	25	21.57	21.67	21.56	24.8	0		
10	QPSK	25	49	21.48	21.58	21.59				
10	QPSK	25	0	21.52	21.61	21.52				
10	QPSK	25	12	21.5	21.51	21.58	23.8	1		
10	QPSK	25	25	21.49	21.55	21.57				
10	HQAM	1	0	21.54	21.59	21.53				
10	HQAM	1	25	21.64	21.70	21.56	23.8	1		
10	HQAM	1	49	21.59	21.67	21.66				
10	HQAM	25	0	21.55	21.52	21.45				
10	HQAM	25	12	21.49	21.47	21.55	22.8	2		
10	HQAM	25	25	21.48	21.58	21.55				
10	HQAM	50	0	21.54	21.59	21.53				
10	HQAM	1	0	21.37	21.68	21.62				
10	HQAM	1	25	21.64	21.70	21.56	22.8	2		
10	HQAM	1	49	21.49	21.5	21.58				
10	HQAM	25	0	21.6	20.7	20.8	21.8	3		
10	HQAM	25	12	20.67	20.7	20.8				
10	HQAM	25	25	20.63	20.79	20.71				
10	HQAM	50	0	20.6	20.7	20.71				
Channel										
Frequency (MHz)										
5	QPSK	1	0	21.35	21.60	21.41				
5	QPSK	1	12	21.53	21.68	21.49	24.8	0		
5	QPSK	1	24	21.53	21.48	21.45				
5	QPSK	12	0	21.33	21.39	21.31				
5	QPSK	12	7	21.27	21.38	21.45	23.8	1		
5	QPSK	12	13	21.32	21.37	21.38				
5	QPSK	25	0	21.37	21.40	21.49				
5	HQAM	1	0	21.73	21.55	21.32				
5	HQAM	1	12	21.68	21.48	21.50	23.8	1		
5	HQAM	1	24	21.64	21.36	21.59				
5	HQAM	12	0	21.31	21.49	21.32				
5	HQAM	12	7	21.19	21.31	21.33	22.8	2		
5	HQAM	12	13	21.23	21.27	21.38				
5	HQAM	25	0	21.25	21.45	21.43				
5	HQAM	1	0	21.31	21.38	21.89	22.8	2		
5	HQAM	1	12	21.68	21.48	21.50				
5	HQAM	1	24	21.54	21.36	21.59				
5	HQAM	12	0	20.47	20.61	20.75				
5	HQAM	12	7	20.48	20.54	20.54	21.8	3		
5	HQAM	12	13	20.49	20.49	20.49				
5	HQAM	25	0	20.48	20.51	20.59				
Channel										
Frequency (MHz)										
3	QPSK	1	0	21.39	21.44	21.35				
3	QPSK	1	8	21.38	21.33	21.34	24.8	0		
3	QPSK	1	14	21.32	21.36	21.41				
3	QPSK	8	0	21.34	21.34	21.40				
3	QPSK	8	4	21.33	21.34	21.41	23.8	1		
3	QPSK	8	7	21.33	21.40	21.46				
3	QPSK	15	0	21.28	21.38	21.42				
3	HQAM	1	0	21.33	21.76	21.48	23.8	1		
3	HQAM	1	8	21.43	21.62	21.61				
3	HQAM	1	14	21.38	21.61	21.57				
3	HQAM	8	0	21.41	21.48	21.57	22.8	0		
3	HQAM	8	4	20.44	20.45	20.58				
3	HQAM	8	7	20.52	20.57	20.63				
3	HQAM	15	0	20.42	20.53	20.63				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	21.30	21.39	21.27				
1.4	QPSK	1	3	21.34	21.53	21.43	24.8	0		
1.4	QPSK	1	5	21.52	21.44	21.31				
1.4	QPSK	3	0	21.27	21.39	21.27				
1.4	QPSK	3	1	21.45	21.46	21.44	22.8	0		
1.4	QPSK	3	3	21.34	21.32	21.34				
1.4	QPSK	3	5	21.49	21.49	21.49				
1.4	QPSK	3	6	21.22	21.29	21.45	23.8	1		
1.4	HQAM	1	0	21.51	21.70	21.39				
1.4	HQAM	1	3	21.51	21.53	21.45	23.8	1		
1.4	HQAM	1	5	21.51	21.53	21.45				
1.4	HQAM	3	0	21.27	21.24	21.45				
1.4	HQAM	3	1	21.44	21.24	21.45	22.8	0		
1.4	HQAM	3	3	21.44	21.24	21.45				
1.4	HQAM	3	5	21.44	21.24	21.45				
1.4	HQAM	3	6	21.34	21.48	21.36	22.8	2		
1.4	HQAM	1	0	21.45	21.61	21.23				
1.4	HQAM	1	3	21.45	21.68	21.38				
1.4	HQAM	1	5	21.29	21.34	21.34	22.8	2		
1.4	HQAM	3	0	21.45	21.59	21.19				
1.4	HQAM	3	1	21.36	21.58	21.57	21.8	3		
1.4	HQAM	3	3	21.42	21.48	21.48				
1.4	HQAM	3	5	20.41	20.54	20.52	21.8	3		

Band 66_Ant14														
SW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Turn-up time (dB)	MPR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	16.39	16.40	16.34	17.5	0	24	0				
20	QPSK	1	49	16.43	16.65	16.51								
20	QPSK	1	99	16.50	16.46	16.27								
20	QPSK	50	0	16.49	16.50	16.48	17.5	0	23	1				
20	QPSK	50	24	16.52	16.56	16.46								
20	QPSK	50	50	16.44	16.57	16.44								
20	16QAM	1	0	16.41	16.50	16.41	17.5	0	23	1				
20	16QAM	1	0	16.42	16.56	16.40								
20	16QAM	1	49	16.52	16.50	16.37								
20	16QAM	1	99	16.41	16.49	16.36	17.5	0	22	2				
20	16QAM	50	0	16.49	16.50	16.48								
20	16QAM	50	24	16.43	16.58	16.46								
20	16QAM	50	50	16.33	16.53	16.46	17.5	0	21	3				
20	16QAM	100	0	16.45	16.48	16.34								
20	16QAM	1	0	16.31	16.48	16.41								
20	16QAM	1	49	16.42	16.55	16.47	17.5	0	21	3				
20	16QAM	1	99	16.20	16.36	16.27								
20	16QAM	50	0	16.44	16.48	16.52								
20	16QAM	50	24	16.50	16.58	16.45	17.5	0	21	3				
20	16QAM	50	50	16.44	16.57	16.48								
20	16QAM	100	0	16.46	16.58	16.39								
Channel														
Frequency (MHz)														
15	QPSK	1	0	16.21	16.42	16.23	17.5	0	24	0				
15	QPSK	1	49	16.34	16.52	16.45								
15	QPSK	1	74	16.20	16.27	16.21								
15	QPSK	36	0	16.38	16.50	16.32	17.5	0	23	1				
15	QPSK	36	20	16.48	16.45	16.31								
15	QPSK	36	36	16.35	16.40	16.29								
15	QPSK	75	0	16.35	16.38	16.30	17.5	0	23	1				
15	16QAM	1	0	16.31	16.37	16.22								
15	16QAM	1	49	16.38	16.36	16.29								
15	16QAM	1	74	16.23	16.38	16.29	17.5	0	22	2				
15	16QAM	36	0	16.38	16.40	16.38								
15	16QAM	36	20	16.36	16.40	16.31								
15	16QAM	36	36	16.12	16.30	16.25	17.5	0	21	3				
15	16QAM	75	0	16.27	16.31	16.38								
15	16QAM	1	0	16.25	16.28	16.33								
15	16QAM	1	37	16.25	16.47	16.36	17.5	0	22	2				
15	16QAM	1	74	16.07	16.20	16.13								
15	16QAM	36	0	16.36	16.39	16.36								
15	16QAM	36	20	16.34	16.40	16.26	17.5	0	21	3				
15	16QAM	36	36	16.32	16.42	16.26								
15	16QAM	75	0	16.36	16.51	16.20								
Channel														
Frequency (MHz)														
10	QPSK	1	0	16.25	16.39	16.42	17.5	0	24	0				
10	QPSK	1	25	16.32	16.42	16.38								
10	QPSK	1	49	16.14	16.29	16.17								
10	QPSK	25	0	16.34	16.44	16.42	17.5	0	23	1				
10	QPSK	25	12	16.37	16.37	16.37								
10	QPSK	25	25	16.27	16.41	16.36								
10	QPSK	50	0	16.29	16.40	16.31	17.5	0	23	1				
10	16QAM	1	0	16.28	16.40	16.30								
10	16QAM	1	25	16.36	16.36	16.41								
10	16QAM	1	49	16.33	16.43	16.39	17.5	0	22	2				
10	16QAM	25	0	16.39	16.45	16.39								
10	16QAM	25	12	16.31	16.42	16.30								
10	16QAM	25	25	16.13	16.36	16.40	17.5	0	21	3				
10	16QAM	50	0	16.37	16.40	16.25								
10	16QAM	1	0	16.18	16.30	16.42								
10	16QAM	1	25	16.23	16.47	16.31	17.5	0	22	2				
10	16QAM	1	49	16.00	16.25	16.09								
10	16QAM	25	0	16.35	16.35	16.45								
10	16QAM	25	12	16.40	16.40	16.29	17.5	0	21	3				
10	16QAM	25	25	16.25	16.44	16.39								
10	16QAM	50	0	16.27	16.42	16.33								
Channel														
Frequency (MHz)														
5	QPSK	1	0	16.30	16.41	16.28	17.5	0	24	0				
5	QPSK	1	12	16.27	16.50	16.34								
5	QPSK	1	24	16.12	16.40	16.13								
5	QPSK	12	0	16.42	16.44	16.41	17.5	0	23	1				
5	QPSK	12	7	16.41	16.35	16.35								
5	QPSK	12	13	16.29	16.32	16.33								
5	QPSK	25	0	16.25	16.36	16.27	17.5	0	23	1				
5	QPSK	25	12	16.29	16.37	16.26								
5	16QAM	1	0	16.44	16.51	16.48								
5	16QAM	1	24	16.35	16.29	16.16	17.5	0	22	2				
5	16QAM	12	0	16.43	16.43	16.41								
5	16QAM	12	7	16.31	16.51	16.36								
5	16QAM	12	13	16.20	16.34	16.34	17.5	0	21	3				
5	16QAM	25	0	16.25	16.41	16.26								
5	16QAM	25	12	16.20	16.37	16.29								
5	16QAM	1	0	16.20	16.37	16.29	17.5	0	22	2				
5	16QAM	1	12	16.25	16.49	16.41								
5	16QAM	1	24	16.05	16.19	16.14								
5	16QAM	12	0	16.25	16.38	16.43	17.5	0	21	3				
5	16QAM	12	7	16.35	16.41	16.20								
5	16QAM	12	13	16.37	16.41	16.33								
5	16QAM	25	0	16.24	16.39	16.20	17.5	0	22	2				
5	16QAM	25	12	16.10	16.20	16.10								
5	16QAM	25	25	16.05	16.20	16.15								
Channel														
Frequency (MHz)														
3	QPSK	1	0	16.32	16.36	16.26	17.5	0	24	0				
3	QPSK	1	8	16.28	16.45	16.43								
3	QPSK	1	14	16.14	16.31	16.09								
3	QPSK	8	0	16.29	16.36	16.34	17.5	0	23	1				
3	QPSK	8	4	16.32	16.47	16.29								
3	QPSK	8	7	16.36	16.37	16.28								
3	QPSK	15	0	16.28	16.36	16.22	17.5	0	23	1				
3	16QAM	1	0	16.26	16.39	16.32								
3	16QAM	1	8	16.44	16.39	16.42								
3	16QAM	1	14	16.31	16.50	16.28	17.5	0	22	2				
3	16QAM	8	0	16.33	16.40	16.37								
3	16QAM	8	7	16.30	16.39	16.29								
3	16QAM	15	0	16.25	16.03	16.29	17.5	0	21	3				
3	16QAM	1	0	16.24	16.42	16.28								
3	16QAM	1	8	16.31	16.36	16.25								
3	16QAM	1	14	16.05	16.20	16.15	17.5	0	22	2				
3	16QAM	8	0	16.28	16.40	16.37								

Band 38_Ant31										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	23.44	23.57	23.38	24.8	0		
20	QPSK	1	49	23.70	23.65	23.61				
20	QPSK	1	99	23.52	23.63	23.53				
20	QPSK	50	0	22.65	22.55	22.52	23.8	1		
20	QPSK	50	24	22.56	22.52	22.56				
20	QPSK	50	50	22.48	22.58	22.60				
20	QPSK	100	0	22.63	22.60	22.55	23.8	1		
20	16QAM	1	0	22.39	22.53	22.43				
20	16QAM	1	49	22.59	22.87	22.60				
20	16QAM	1	99	22.44	22.65	22.48	22.8	2		
20	16QAM	50	0	21.52	21.73	21.49				
20	16QAM	50	24	21.53	21.76	21.58				
20	16QAM	50	50	21.47	21.70	21.56	22.8	2		
20	16QAM	100	0	21.50	21.75	21.57				
20	64QAM	1	0	21.14	21.40	21.06	22.8	2		
20	64QAM	1	49	21.31	21.53	21.35				
20	64QAM	1	99	21.16	21.39	21.29				
20	64QAM	50	0	20.62	20.88	20.59	21.8	3		
20	64QAM	50	24	20.67	20.91	20.68				
20	64QAM	50	50	20.56	20.86	20.75				
20	64QAM	100	0	20.67	20.85	20.70	Tune-up limit (dBm)	MPR (dB)		
Channel				37825	38000	38175				
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	23.46	23.60	23.50	24.8	0		
15	QPSK	1	37	23.59	23.66	23.62				
15	QPSK	1	74	23.41	23.64	23.59				
15	QPSK	36	0	22.49	22.56	22.51	23.8	1		
15	QPSK	36	20	22.52	22.58	22.54				
15	QPSK	36	39	22.41	22.61	22.51				
15	QPSK	75	0	22.49	22.62	22.55	23.8	1		
15	16QAM	1	0	22.37	22.52	22.51				
15	16QAM	1	37	22.58	22.68	22.68				
15	16QAM	1	74	22.43	22.58	22.60	22.8	2		
15	16QAM	36	0	21.43	21.54	21.45				
15	16QAM	36	20	21.44	21.56	21.51				
15	16QAM	36	39	21.38	21.58	21.53	22.8	2		
15	16QAM	75	0	21.51	21.59	21.60				
15	64QAM	1	0	21.18	21.34	21.27				
15	64QAM	1	37	21.36	21.47	21.29	22.8	2		
15	64QAM	1	74	21.09	21.30	21.31				
15	64QAM	36	0	20.68	20.76	20.67				
15	64QAM	36	20	20.64	20.73	20.68	21.8	3		
15	64QAM	36	39	20.57	20.80	20.74				
15	64QAM	75	0	20.68	20.78	20.75				
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	23.55	23.57	23.55				
10	QPSK	1	25	23.55	23.63	23.67	24.8	0		
10	QPSK	1	49	23.51	23.67	23.67				
10	QPSK	25	0	22.49	22.63	22.55	23.8	1		
10	QPSK	25	12	22.48	22.66	22.58				
10	QPSK	25	25	22.49	22.60	22.62				
10	QPSK	50	0	22.50	22.63	22.63	23.8	1		
10	16QAM	1	0	22.51	22.56	22.60				
10	16QAM	1	25	22.57	22.71	22.66				
10	16QAM	1	49	22.54	22.67	22.65	22.8	2		
10	16QAM	25	0	21.58	21.67	21.57				
10	16QAM	25	12	21.50	21.68	21.59				
10	16QAM	25	25	21.46	21.62	21.65	22.8	2		
10	16QAM	50	0	21.50	21.66	21.62				
10	64QAM	1	0	21.23	21.31	21.32				
10	64QAM	1	25	21.28	21.43	21.40	22.8	2		
10	64QAM	1	49	21.22	21.36	21.34				
10	64QAM	25	0	20.76	20.83	20.80				
10	64QAM	25	12	20.70	20.87	20.91	21.8	3		
10	64QAM	25	25	20.64	20.80	20.87				
10	64QAM	50	0	20.61	20.79	20.78				
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	23.49	23.67	23.61				
5	QPSK	1	12	23.57	23.58	23.64	24.8	0		
5	QPSK	1	24	23.52	23.69	23.66				
5	QPSK	12	0	22.51	22.68	22.61	23.8	1		
5	QPSK	12	7	22.45	22.61	22.62				
5	QPSK	12	13	22.48	22.56	22.65				
5	QPSK	25	0	22.48	22.62	22.69	23.8	1		
5	16QAM	1	0	22.43	22.60	22.64				
5	16QAM	1	12	22.54	22.68	22.64				
5	16QAM	1	24	22.48	22.66	22.71	22.8	2		
5	16QAM	12	0	21.48	21.63	21.59				
5	16QAM	12	7	21.39	21.53	21.61				
5	16QAM	12	13	21.40	21.54	21.58	22.8	2		
5	16QAM	25	0	21.55	21.64	21.67				
5	64QAM	1	0	21.20	21.47	21.31				
5	64QAM	1	12	21.27	21.49	21.41	22.8	2		
5	64QAM	1	24	21.23	21.45	21.42				
5	64QAM	12	0	20.66	20.86	20.77				
5	64QAM	12	7	20.61	20.80	20.85	21.8	3		
5	64QAM	12	13	20.65	20.78	20.82				
5	64QAM	25	0	20.75	20.87	20.87				

Band 38_Ant14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	15.96	15.80	15.80	17.3	0	
20	QPSK	1	49	16.05	15.93	15.99			
20	QPSK	1	99	15.91	15.79	15.76			
20	QPSK	50	0	16.00	15.85	15.86	17.3	0	
20	QPSK	50	24	15.98	15.92	15.83			
20	QPSK	50	50	15.91	15.85	15.72			
20	QPSK	100	0	15.96	15.82	15.90	17.3	0	
20	16QAM	1	0	16.02	15.93	15.90			
20	16QAM	1	49	16.03	15.97	15.91			
20	16QAM	1	99	16.00	15.84	15.88	17.3	0	
20	16QAM	50	0	16.01	15.82	15.86			
20	16QAM	50	24	16.02	15.83	15.94			
20	16QAM	50	50	15.96	15.89	15.77	17.3	0	
20	16QAM	100	0	16.03	15.92	15.94			
20	64QAM	1	0	15.92	15.84	15.82	17.3	0	
20	64QAM	1	49	16.02	15.92	15.86			
20	64QAM	1	99	15.90	15.72	15.78			
20	64QAM	50	0	16.01	15.88	15.91	17.3	0	
20	64QAM	50	24	16.00	15.88	15.85			
20	64QAM	50	50	15.95	15.77	15.79			
20	64QAM	100	0	15.98	15.80	15.92			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	15.84	15.64	15.70	17.3	0	
15	QPSK	1	37	15.92	15.86	15.85			
15	QPSK	1	74	15.79	15.70	15.67			
15	QPSK	36	0	15.92	15.73	15.72	17.3	0	
15	QPSK	36	20	15.79	15.85	15.70			
15	QPSK	36	39	15.76	15.72	15.59			
15	QPSK	75	0	15.78	15.76	15.82	17.3	0	
15	16QAM	1	0	15.90	15.85	15.77			
15	16QAM	1	37	15.89	15.89	15.79			
15	16QAM	1	74	15.93	15.77	15.80	17.3	0	
15	16QAM	36	0	15.85	15.67	15.69			
15	16QAM	36	20	15.87	15.73	15.76			
15	16QAM	36	39	15.82	15.77	15.58	17.3	0	
15	16QAM	75	0	15.84	15.78	15.87			
15	64QAM	1	0	15.74	15.78	15.65			
15	64QAM	1	37	15.92	15.81	15.77	17.3	0	
15	64QAM	1	74	15.75	15.65	15.61			
15	64QAM	36	0	15.83	15.73	15.74			
15	64QAM	36	20	15.81	15.81	15.74	17.3	0	
15	64QAM	36	39	15.83	15.64	15.68			
15	64QAM	75	0	15.90	15.74	15.72			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	15.77	15.74	15.61	17.3	0	
10	QPSK	1	25	15.89	15.76	15.80			
10	QPSK	1	49	15.84	15.72	15.70			
10	QPSK	25	0	15.94	15.74	15.73	17.3	0	
10	QPSK	25	12	15.82	15.85	15.77			
10	QPSK	25	25	15.79	15.68	15.56			
10	QPSK	50	0	15.76	15.62	15.84	17.3	0	
10	16QAM	1	0	15.82	15.84	15.71			
10	16QAM	1	25	15.97	15.89	15.82			
10	16QAM	1	49	15.89	15.71	15.73	17.3	0	
10	16QAM	25	0	15.89	15.75	15.71			
10	16QAM	25	12	15.84	15.77	15.87			
10	16QAM	25	25	15.90	15.74	15.68	17.3	0	
10	16QAM	50	0	15.89	15.75	15.79			
10	64QAM	1	0	15.85	15.71	15.75			
10	64QAM	1	25	15.84	15.60	15.78	17.3	0	
10	64QAM	1	49	15.84	15.63	15.69			
10	64QAM	25	0	15.93	15.74	15.83			
10	64QAM	25	12	15.81	15.74	15.79	17.3	0	
10	64QAM	25	25	15.75	15.58	15.63			
10	64QAM	50	0	15.81	15.67	15.82			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	15.78	15.61	15.61	17.3	0	
5	QPSK	1	12	15.86	15.80	15.85			
5	QPSK	1	24	15.84	15.61	15.60			
5	QPSK	12	0	15.84	15.71	15.77	17.3	0	
5	QPSK	12	7	15.82	15.76	15.71			
5	QPSK	12	13	15.85	15.72	15.58			
5	QPSK	25	0	15.81	15.76	15.77	17.3	0	
5	16QAM	1	0	15.94	15.75	15.81			
5	16QAM	1	12	15.93	15.90	15.83			
5	16QAM	1	24	15.81	15.70	15.75	17.3	0	
5	16QAM	12	0	15.83	15.70	15.73			
5	16QAM	12	7	15.91	15.66	15.80			
5	16QAM	12	13	15.79	15.70	15.69	17.3	0	
5	16QAM	25	0	15.84	15.86	15.82			
5	64QAM	1	0	15.80	15.77	15.65			
5	64QAM	1	12	15.86	15.72	15.79	17.3	0	
5	64QAM	1	24	15.80	15.60	15.67			
5	64QAM	12	0	15.89	15.75	15.82			
5	64QAM	12	7	15.92	15.71	15.78	17.3	0	
5	64QAM	12	13	15.76	15.57	15.70			
5	64QAM	25	0	15.82	15.63	15.82			

Band 41_Ant31												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	23.44	23.38	23.52	23.47	23.36	24.8	0		
20	QPSK	1	49	23.50	23.46	23.71	23.62	23.60				
20	QPSK	1	99	23.39	23.35	23.60	23.45	23.45				
20	QPSK	50	0	22.38	22.49	22.66	22.53	22.54	23.8	1		
20	QPSK	50	24	22.50	22.49	22.60	22.55	22.55				
20	QPSK	50	50	22.53	22.45	22.53	22.58	22.55				
20	QPSK	100	0	22.42	22.46	22.60	22.56	22.51	23.8	1		
20	16QAM	1	0	22.39	22.28	22.56	22.45	22.37				
20	16QAM	1	49	22.54	22.56	22.71	22.60	22.64				
20	16QAM	1	99	22.40	22.33	22.60	22.42	22.46	22.8	2		
20	16QAM	50	0	21.62	21.53	21.62	21.52	21.52				
20	16QAM	50	24	21.73	21.51	21.68	21.58	21.57				
20	16QAM	50	50	21.72	21.46	21.64	21.53	21.53	22.8	2		
20	16QAM	100	0	21.64	21.49	21.60	21.59	21.52				
20	64QAM	1	0	21.30	21.06	21.16	21.14	21.12				
20	64QAM	1	49	21.41	21.25	21.42	21.40	21.30	22.8	2		
20	64QAM	1	99	21.27	21.05	21.30	21.15	21.19				
20	64QAM	50	0	20.54	20.66	20.78	20.68	20.66				
20	64QAM	50	24	20.61	20.66	20.83	20.72	20.73	21.8	3		
20	64QAM	50	50	20.66	20.56	20.81	20.69	20.70				
20	64QAM	100	0	20.56	20.62	20.77	20.67	20.65				
Channel				39750	40185	40620	41060	41505	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2548.3	2593	2637.5	2682.5				
15	QPSK	1	0	23.43	23.46	23.63	23.47	23.43	24.80	0		
15	QPSK	1	37	23.53	23.67	23.70	23.69	23.54				
15	QPSK	1	74	23.48	23.43	23.58	23.56	23.45				
15	QPSK	36	0	22.39	22.39	22.56	22.49	22.41	23.8	1		
15	QPSK	36	20	22.44	22.47	22.58	22.51	22.42				
15	QPSK	36	39	22.47	22.45	22.64	22.51	22.41				
15	QPSK	75	0	22.48	22.47	22.56	22.52	22.44	23.8	1		
15	16QAM	1	0	22.45	22.36	22.47	22.46	22.36				
15	16QAM	1	37	22.55	22.53	22.67	22.58	22.57				
15	16QAM	1	74	22.47	22.43	22.53	22.43	22.47	22.8	2		
15	16QAM	36	0	21.54	21.59	21.53	21.46	21.39				
15	16QAM	36	20	21.64	21.60	21.58	21.43	21.39				
15	16QAM	36	39	21.71	21.64	21.61	21.47	21.38	22.8	2		
15	16QAM	75	0	21.60	21.66	21.62	21.53	21.46				
15	64QAM	1	0	21.30	21.29	21.27	21.15	21.14				
15	64QAM	1	37	21.46	21.43	21.37	21.31	21.37	21.8	3		
15	64QAM	1	74	21.32	21.39	21.29	21.23	21.13				
15	64QAM	36	0	20.64	20.56	20.75	20.66	20.58				
15	64QAM	36	20	20.61	20.59	20.79	20.63	20.62	21.8	3		
15	64QAM	36	39	20.68	20.67	20.77	20.66	20.58				
15	64QAM	75	0	20.55	20.53	20.78	20.67	20.61				
Channel				39790	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2501	2547	2593	2639	2685				
10	QPSK	1	0	23.42	23.60	23.58	23.43	23.62	24.80	0		
10	QPSK	1	25	23.47	23.66	23.55	23.56	23.69				
10	QPSK	1	49	23.40	23.68	23.58	23.50	23.67				
10	QPSK	25	0	22.29	22.61	22.47	22.44	22.65	23.8	1		
10	QPSK	25	12	22.39	22.63	22.46	22.49	22.72				
10	QPSK	25	25	22.41	22.71	22.45	22.45	22.71				
10	QPSK	50	0	22.45	22.63	22.47	22.51	22.71	23.8	1		
10	16QAM	1	0	22.35	22.59	22.45	22.42	22.62				
10	16QAM	1	25	22.47	22.67	22.56	22.55	22.65				
10	16QAM	1	49	22.38	22.61	22.50	22.53	22.73	22.8	2		
10	16QAM	25	0	21.57	21.67	21.47	21.53	21.68				
10	16QAM	25	12	21.60	21.67	21.52	21.50	21.74				
10	16QAM	25	25	21.55	21.65	21.52	21.46	21.77	22.8	2		
10	16QAM	50	0	21.59	21.61	21.48	21.50	21.75				
10	64QAM	1	0	21.33	21.30	21.25	21.16	21.46				
10	64QAM	1	25	21.37	21.46	21.28	21.29	21.50	21.8	3		
10	64QAM	1	49	21.29	21.38	21.17	21.19	21.44				
10	64QAM	25	0	20.52	20.80	20.66	20.68	20.92				
10	64QAM	25	12	20.60	20.80	20.68	20.77	20.94	21.8	3		
10	64QAM	25	25	20.64	20.86	20.65	20.69	21.01				
10	64QAM	50	0	20.66	20.77	20.64	20.67	20.93				
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5				
5	QPSK	1	0	23.36	23.55	23.46	23.43	23.45	24.80	0		
5	QPSK	1	12	23.41	23.63	23.57	23.51	23.53				
5	QPSK	1	24	23.36	23.65	23.52	23.47	23.49				
5	QPSK	12	0	22.33	22.55	22.40	22.42	22.41	23.8	1		
5	QPSK	12	7	22.34	22.57	22.39	22.39	22.41				
5	QPSK	12	13	22.34	22.58	22.45	22.40	22.39				
5	QPSK	25	0	22.34	22.57	22.41	22.40	22.48	23.8	1		
5	16QAM	1	0	22.38	22.58	22.39	22.41	22.41				
5	16QAM	1	12	22.44	22.68	22.43	22.54	22.44				
5	16QAM	1	24	22.37	22.61	22.45	22.45	22.44	22.8	2		
5	16QAM	12	0	21.45	21.51	21.37	21.35	21.37				
5	16QAM	12	7	21.44	21.52	21.33	21.34	21.35				
5	16QAM	12	13	21.48	21.48	21.34	21.31	21.29	22.8	2		
5	16QAM	25	0	21.58	21.54	21.45	21.46	21.44				
5	64QAM	1	0	21.34	21.32	21.20	21.24	21.19				
5	64QAM	1	12	21.31	21.29	21.15	21.25	21.20	22.8	2		
5	64QAM	1	24	21.34	21.36	21.19	21.22	21.22				
5	64QAM	12	0	20.47	20.72	20.53	20.60	20.54				
5	64QAM	12	7	20.52	20.75	20.55	20.58	20.52	21.8	3		
5	64QAM	12	13	20.46	20.72	20.54	20.53	20.54				
5	64QAM	25	0	20.58	20.74	20.61	20.62	20.59				

Band 41_Ant14												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)		
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	15.78	16.04	15.93	15.84	15.99	17.3	0		
20	QPSK	1	49	15.89	15.99	16.10	15.89	16.01				
20	QPSK	1	99	15.86	15.99	15.80	15.86	16.03				
20	QPSK	50	0	15.79	16.00	16.02	15.87	15.95				
20	QPSK	25	24	15.83	16.01	15.93	15.81	15.91	17.3	0		
20	QPSK	50	50	15.85	16.00	15.84	15.85	16.00				
20	QPSK	100	0	15.78	15.95	16.00	15.83	15.90				
20	16QAM	1	0	15.80	16.05	15.83	15.80	15.97				
20	16QAM	1	49	15.75	16.03	15.83	15.87	16.00	17.3	0		
20	16QAM	1	99	15.75	16.07	15.85	15.86	16.02				
20	16QAM	50	0	15.75	16.01	15.80	15.88	15.94				
20	16QAM	50	24	15.87	16.03	15.84	15.80	15.95				
20	16QAM	50	50	15.89	16.06	15.82	15.82	15.93	17.3	0		
20	16QAM	100	0	15.81	16.05	15.86	15.84	16.00				
20	64QAM	1	0	15.77	16.06	15.90	15.78	15.90				
20	64QAM	1	49	15.82	16.00	15.90	15.97	15.99				
20	64QAM	1	99	15.79	16.02	15.92	15.78	15.91	17.3	0		
20	64QAM	50	0	15.83	15.97	15.92	15.88	15.97				
20	64QAM	50	24	15.77	15.99	15.80	15.86	16.02				
20	64QAM	50	50	15.79	16.03	15.84	15.79	15.99				
20	64QAM	100	0	15.82	16.03	15.85	15.85	15.92	17.3	0		
Channel				39725	40173	40620	41068	41515				
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5				
15	QPSK	1	0	15.71	15.88	15.65	15.70	15.85			17.30	0
15	QPSK	1	37	15.64	15.81	15.77	15.59	15.76				
15	QPSK	1	74	15.61	15.85	15.75	15.66	15.84				
15	QPSK	36	0	15.64	15.89	15.67	15.70	15.75				
15	QPSK	36	20	15.66	15.82	15.72	15.69	15.79	17.3	0		
15	QPSK	36	39	15.63	15.79	15.75	15.67	15.84				
15	QPSK	75	0	15.70	15.80	15.66	15.63	15.74				
15	16QAM	1	0	15.67	15.85	15.64	15.59	15.88				
15	16QAM	1	37	15.61	15.83	15.78	15.71	15.75	17.3	0		
15	16QAM	1	74	15.67	15.92	15.65	15.62	15.78				
15	16QAM	36	0	15.64	15.81	15.68	15.62	15.82				
15	16QAM	36	20	15.63	15.80	15.78	15.62	15.79				
15	16QAM	36	39	15.60	15.84	15.69	15.61	15.86	17.3	0		
15	16QAM	75	0	15.62	15.79	15.75	15.60	15.75				
15	64QAM	1	0	15.63	15.83	15.66	15.68	15.84				
15	64QAM	1	37	15.72	15.83	15.68	15.60	15.81				
15	64QAM	74	0	15.62	15.91	15.66	15.72	15.87	17.3	0		
15	64QAM	36	0	15.61	15.87	15.72	15.72	15.87				
15	64QAM	36	20	15.59	15.88	15.67	15.65	15.80				
15	64QAM	36	39	15.65	15.79	15.69	15.69	15.87				
15	64QAM	75	0	15.67	15.88	15.70	15.73	15.75	17.3	0		
Channel				39700	40160	40620	41080	41540				
Frequency (MHz)				2501	2547	2593	2639	2685				
10	QPSK	1	0	15.72	15.83	15.74	15.63	15.79			17.30	0
10	QPSK	1	25	15.65	15.92	15.72	15.68	15.85				
10	QPSK	1	49	15.70	15.83	15.73	15.60	15.88				
10	QPSK	25	0	15.64	15.89	15.69	15.72	15.78				
10	QPSK	12	12	15.61	15.84	15.69	15.63	15.75	17.3	0		
10	QPSK	25	25	15.62	15.91	15.76	15.72	15.75				
10	QPSK	50	0	15.61	15.82	15.65	15.65	15.79				
10	16QAM	1	0	15.72	15.84	15.71	15.64	15.86				
10	16QAM	1	25	15.63	15.85	15.66	15.66	15.78	17.3	0		
10	16QAM	1	49	15.71	15.83	15.70	15.62	15.85				
10	16QAM	25	0	15.60	15.91	15.67	15.71	15.81				
10	16QAM	25	12	15.62	15.87	15.67	15.63	15.76				
10	16QAM	25	25	15.72	15.87	15.75	15.64	15.87	17.3	0		
10	16QAM	50	0	15.62	15.80	15.64	15.64	15.78				
10	64QAM	1	0	15.73	15.86	15.69	15.64	15.86				
10	64QAM	1	25	15.62	15.89	15.72	15.62	15.78				
10	64QAM	1	49	15.63	15.87	15.72	15.61	15.79	17.3	0		
10	64QAM	25	0	15.66	15.93	15.85	15.64	15.75				
10	64QAM	25	12	15.62	15.86	15.73	15.69	15.77				
10	64QAM	25	25	15.63	15.89	15.74	15.63	15.79				
10	64QAM	50	0	15.66	15.85	15.73	15.73	15.86	17.3	0		
Channel				39675	40148	40620	41093	41565				
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5				
5	QPSK	1	0	15.67	15.86	15.76	15.69	15.80			17.30	0
5	QPSK	1	12	15.68	15.90	15.77	15.64	15.82				
5	QPSK	1	24	15.65	15.92	15.72	15.67	15.84				
5	QPSK	12	0	15.64	15.93	15.69	15.70	15.81				
5	QPSK	12	7	15.68	15.85	15.64	15.65	15.82	17.3	0		
5	QPSK	12	13	15.68	15.80	15.78	15.73	15.88				
5	QPSK	25	0	15.73	15.84	15.73	15.69	15.83				
5	16QAM	1	0	15.63	15.92	15.69	15.68	15.83				
5	16QAM	1	12	15.63	15.80	15.73	15.67	15.87	17.3	0		
5	16QAM	1	24	15.63	15.88	15.76	15.65	15.78				
5	16QAM	12	0	15.63	15.85	15.77	15.73	15.86				
5	16QAM	12	7	15.73	15.91	15.72	15.61	15.88				
5	16QAM	12	13	15.63	15.92	15.78	15.70	15.86	17.3	0		
5	16QAM	25	0	15.71	15.85	15.69	15.63	15.74				
5	64QAM	1	0	15.72	15.80	15.72	15.64	15.86				
5	64QAM	1	12	15.72	15.80	15.74	15.63	15.83				
5	64QAM	1	24	15.61	15.79	15.68	15.68	15.83	17.3	0		
5	64QAM	12	0	15.69	15.91	15.71	15.61	15.74				
5	64QAM	12	7	15.70	15.80	15.71	15.65	15.84				
5	64QAM	12	13	15.70	15.85	15.73	15.67	15.82				
5	64QAM	25	0	15.64	15.89	15.67	15.72	15.85				



DSI 3 Power

Band 2_Ant14									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Max/Min	Power Hg Ch / Freq	Time-up (sec)	MPR (dB)	
Channel Frequency (MHz)									
20	QPSK	1	0	13.16	13.24	13.09	14.5	0	
20	QPSK	1	49	13.17	13.34	13.14			
20	QPSK	1	99	13.03	13.18	13.02			
20	QPSK	50	0	13.16	13.25	13.05	14.5	0	
20	QPSK	50	24	13.17	13.24	13.06			
20	QPSK	50	50	13.16	13.20	13.10			
20	QPSK	100	0	13.15	13.22	13.00	14.5	0	
20	16QAM	1	0	13.23	13.31	13.11			
20	16QAM	1	49	13.20	13.33	13.23			
20	16QAM	1	99	13.08	13.23	13.10	14.5	0	
20	16QAM	50	0	13.04	13.24	13.15			
20	16QAM	50	24	13.14	13.29	13.22			
20	16QAM	50	50	13.17	13.25	13.16	14.5	0	
20	16QAM	100	0	13.07	13.24	13.08			
20	16QAM	1	0	13.02	13.21	13.06			
20	16QAM	1	49	13.09	13.28	13.14	14.5	0	
20	16QAM	1	99	12.97	13.15	13.06			
20	16QAM	50	0	13.13	13.26	13.07			
20	16QAM	50	24	13.19	13.25	13.14	14.5	0	
20	16QAM	50	50	13.07	13.20	13.15			
20	16QAM	100	0	13.07	13.24	13.08			
Channel Frequency (MHz)									
15	QPSK	1	0	13.13	13.19	12.98	14.5	0	
15	QPSK	1	49	13.13	13.19	12.98			
15	QPSK	1	99	13.03	13.23	13.06			
15	QPSK	36	0	13.06	13.19	12.91	14.5	0	
15	QPSK	36	20	13.06	13.20	13.20			
15	QPSK	36	50	13.07	13.18	13.12			
15	QPSK	75	0	13.02	13.12	13.01	14.5	0	
15	16QAM	1	0	13.11	13.29	13.10			
15	16QAM	1	49	13.12	13.27	13.13			
15	16QAM	1	74	12.95	13.21	13.07	14.5	0	
15	16QAM	36	0	13.01	13.11	13.13			
15	16QAM	36	20	13.06	13.21	13.21			
15	16QAM	36	50	13.09	13.28	13.12	14.5	0	
15	16QAM	75	0	12.98	13.13	13.04			
15	16QAM	1	0	12.90	13.20	13.02			
15	16QAM	1	49	13.00	13.23	13.13	14.5	0	
15	16QAM	1	74	12.98	13.13	13.06			
15	16QAM	36	0	13.04	13.15	13.10			
15	16QAM	36	20	13.10	13.21	13.20	14.5	0	
15	16QAM	36	50	13.07	13.20	13.15			
15	16QAM	75	0	13.12	13.13	13.02			
Channel Frequency (MHz)									
10	QPSK	1	0	13.05	13.12	12.99	14.5	0	
10	QPSK	1	25	13.05	13.30	13.01			
10	QPSK	1	49	12.90	13.04	12.89			
10	QPSK	25	0	13.11	13.17	13.09	14.5	0	
10	QPSK	25	12	13.16	13.23	13.04			
10	QPSK	25	25	13.15	13.14	13.07			
10	QPSK	50	0	13.11	13.17	13.09	14.5	0	
10	16QAM	1	0	13.10	13.22	13.06			
10	16QAM	1	25	13.00	13.16	13.01			
10	16QAM	1	49	13.04	13.12	13.09	14.5	0	
10	16QAM	25	0	13.11	13.21	13.09			
10	16QAM	25	12	13.11	13.15	13.01			
10	16QAM	25	25	13.14	13.11	13.10	14.5	0	
10	16QAM	50	0	13.05	13.16	13.04			
10	16QAM	50	25	13.07	13.17	13.06			
Channel Frequency (MHz)									
5	QPSK	1	0	13.01	13.16	12.95	14.5	0	
5	QPSK	1	12	13.02	13.19	13.02			
5	QPSK	1	25	13.01	13.26	13.04			
5	QPSK	12	0	13.10	13.11	13.02	14.5	0	
5	QPSK	12	7	13.06	13.16	13.06			
5	QPSK	12	13	13.12	13.08	13.11			
5	QPSK	15	0	13.07	13.20	13.09	14.5	0	
5	16QAM	1	0	13.18	13.26	13.08			
5	16QAM	1	12	13.05	13.22	13.10			
5	16QAM	12	0	13.09	13.21	13.04	14.5	0	
5	16QAM	12	5	12.95	13.19	13.02			
5	16QAM	12	7	13.11	13.24	13.07			
5	16QAM	12	13	13.11	13.14	13.02	14.5	0	
5	16QAM	15	0	13.06	13.23	13.13			
5	16QAM	1	0	12.91	13.08	13.04			
5	16QAM	1	12	13.15	13.21	12.99	14.5	0	
5	16QAM	11	0	13.17	13.20	13.07			
5	16QAM	1	25	13.01	13.21	13.07			
5	16QAM	12	7	13.18	13.16	13.04	14.5	0	
5	16QAM	12	13	13.04	13.25	13.09			
5	16QAM	15	0	13.07	13.13	13.05			
Channel Frequency (MHz)									
3	QPSK	1	0	13.01	13.16	12.95	14.5	0	
3	QPSK	1	12	13.02	13.19	13.02			
3	QPSK	1	25	13.01	13.26	13.04			
3	QPSK	12	0	13.10	13.11	13.02	14.5	0	
3	QPSK	12	7	13.06	13.16	13.06			
3	QPSK	12	13	13.12	13.08	13.11			
3	QPSK	15	0	13.07	13.20	13.09	14.5	0	
3	16QAM	1	0	13.18	13.26	13.08			
3	16QAM	1	12	13.05	13.22	13.10			
3	16QAM	12	0	13.09	13.21	13.04	14.5	0	
3	16QAM	12	5	12.95	13.19	13.02			
3	16QAM	12	7	13.11	13.24	13.07			
3	16QAM	12	13	13.11	13.14	13.02	14.5	0	
3	16QAM	15	0	13.06	13.23	13.13			
3	16QAM	1	0	12.91	13.08	13.04			
3	16QAM	1	12	13.15	13.21	12.99	14.5	0	
3	16QAM	11	0	13.17	13.20	13.07			
3	16QAM	1	25	13.01	13.21	13.07			
3	16QAM	12	7	13.18	13.16	13.04	14.5	0	
3	16QAM	12	13	13.04	13.25	13.09			
3	16QAM	15	0	13.07	13.13	13.05			
Channel Frequency (MHz)									
1.4	QPSK	1	0	13.07	13.19	13.03	14.5	0	
1.4	QPSK	1	3	13.03	13.28	13.08			
1.4	QPSK	1	5	13.02	13.05	12.93			
1.4	QPSK	3	0	13.09	13.21	13.02	14.5	0	
1.4	QPSK	3	1	13.12	13.12	13.00			
1.4	QPSK	3	3	13.04	13.08	13.18			
1.4	QPSK	6	0	13.00	13.17	13.01	14.5	0	
1.4	16QAM	1	0	13.09	13.20	13.07			
1.4	16QAM	1	3	13.12	13.28	13.15			
1.4	16QAM	1	5	13.06	13.22	13.25	14.5	0	
1.4	16QAM	3	0	13.04	13.11	13.07			
1.4	16QAM	3	3	13.11	13.22	13.01			
1.4	16QAM	6	0	13.00	13.19	13.03	14.5	0	
1.4	16QAM	6	1	13.09	13.20	13.05			
1.4	16QAM	6	3	13.13	13.14	12.99			
1.4	16QAM	1	0	12.93	13.02	12.96	14.5	0	
1.4	16QAM	1	5	12.93	13.06	12.96			
1.4	16QAM	1	5	12.93	13.02	12.97			
1.4	16QAM	3	0	13.03	13.21	13.07	14.5	0	
1.4	16QAM	3	1	13.06	13.20	13.03			
1.4	16QAM	3	3	12.93	13.15	13.12			
1.4	16QAM	6	0	13.01	13.22	13.02	14.5	0	
1.4	16QAM	6	1	13.01	13.22	13.02			
1.4	16QAM	6	3	13.03	13.20	13.02			

Band 2_Ant31		
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Band 5_Ant11																
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Main Ch./Freq.	Power High Ch./Freq.	Time-up Init (dB)	MPR (dB)								
Channel Frequency (MHz)																
2045.5 2045.5 2045.5																
10	QPSK	1	0	18.45	18.54	18.38	19.8	0								
10	QPSK	1	25	18.43	18.60	18.41										
10	QPSK	1	40	18.39	18.45	18.34										
10	QPSK	25	0	18.47	18.48	18.40	19.8	0								
10	QPSK	25	12	18.48	18.32	18.50										
10	QPSK	25	25	18.53	18.43	18.39										
10	QPSK	40	0	18.39	18.45	18.34	19.8	0								
10	16QAM	1	0	18.45	18.50	18.37										
10	16QAM	1	25	18.55	18.52	18.54										
10	16QAM	25	0	18.45	18.52	18.54	19.8	0								
10	16QAM	25	12	18.39	18.54	18.45										
10	16QAM	25	25	18.51	18.55	18.50										
10	16QAM	40	0	18.51	18.52	18.48	19.8	0								
10	16QAM	1	0	18.39	18.56	18.50										
10	16QAM	1	25	18.35	18.49	18.30										
10	16QAM	1	40	18.51	18.49	18.54	19.8	0								
10	16QAM	25	0	18.45	18.58	18.52										
10	16QAM	25	12	18.48	18.56	18.55										
10	16QAM	25	25	18.47	18.49	18.35	19.8	0								
10	16QAM	40	0	18.51	18.46	18.48										
Channel 2045.5 2045.5 2045.5																
Frequency (MHz)																
826.5 826.5 846.5																
5	QPSK	1	0	18.27	18.48	18.30	19.8	0								
5	QPSK	1	12	18.42	18.53	18.45										
5	QPSK	1	24	18.39	18.44	18.33										
5	QPSK	12	0	18.48	18.38	18.30	19.8	0								
5	QPSK	12	7	18.50	18.50	18.38										
5	QPSK	12	13	18.34	18.36	18.27										
5	QPSK	25	0	18.37	18.41	18.30	19.8	0								
5	16QAM	1	0	18.36	18.53	18.44										
5	16QAM	1	12	18.51	18.45	18.37										
5	16QAM	1	24	18.50	18.57	18.58	19.8	0								
5	16QAM	12	0	18.48	18.49	18.46										
5	16QAM	12	7	18.51	18.50	18.38										
5	16QAM	12	13	18.34	18.37	18.58	19.8	0								
5	16QAM	25	0	18.52	18.51	18.49										
5	16QAM	1	0	18.41	18.49	18.48	19.8	0								
5	16QAM	1	12	18.51	18.46	18.41										
5	16QAM	1	24	18.48	18.52	18.47										
5	16QAM	12	0	18.43	18.58	18.45	19.8	0								
5	16QAM	12	7	18.47	18.50	18.43										
5	16QAM	12	13	18.39	18.45	18.51										
5	16QAM	25	0	18.50	18.50	18.49	19.8	0								
5	16QAM	25	12	18.50	18.50	18.49										
Channel 2045.5 2045.5 2045.5																
Frequency (MHz)																
824.7 826.5 846.3																
1.4	QPSK	1	0	18.35	18.40	18.26			19.8	0						
1.4	QPSK	1	3	18.40	18.57	18.48										
1.4	QPSK	1	5	18.45	18.47	18.31										
1.4	QPSK	3	0	18.37	18.51	18.32	19.8	0								
1.4	QPSK	3	1	18.48	18.45	18.39										
1.4	QPSK	3	3	18.51	18.40	18.35										
1.4	QPSK	6	0	18.39	18.44	18.31	19.8	0								
1.4	16QAM	1	0	18.29	18.56	18.38										
1.4	16QAM	1	3	18.40	18.45	18.47										
1.4	16QAM	1	5	18.39	18.56	18.48	19.8	0								
1.4	16QAM	3	0	18.41	18.49	18.45										
1.4	16QAM	3	1	18.30	18.41	18.41										
1.4	16QAM	3	3	18.44	18.48	18.51	19.8	0								
1.4	16QAM	6	0	18.43	18.58	18.47										
1.4	16QAM	1	0	18.34	18.52	18.40										
1.4	16QAM	1	3	18.41	18.41	18.29	19.8	0								
1.4	16QAM	1	5	18.45	18.36	18.50										
1.4	16QAM	1	3	18.42	18.47	18.51										
1.4	16QAM	3	1	18.44	18.38	18.43	19.8	0								
1.4	16QAM	3	3	18.29	18.48	18.21										
1.4	16QAM	6	0	18.50	18.40	18.50										

Band 5_Ant41													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Main Ch./Freq.	Power High Ch./Freq.	Time-up Init (dB)	MPR (dB)					
Channel Frequency (MHz)													
2045.5 2045.5 2045.5													
10	QPSK	1	0	23.46	23.65	23.54	24.8	0					
10	QPSK	1	25	23.57	23.67	23.58							
10	QPSK	1	40	23.48	23.58	23.50							
10	QPSK	25	0	22.52	22.61	22.52	23.8	1					
10	QPSK	25	12	22.5	22.51	22.58							
10	QPSK	25	25	22.48	22.55	22.57							
10	16QAM	1	0	22.84	22.88	22.81	23.8	1					
10	16QAM	1	25	22.68	22.68	22.6							
10	16QAM	1	40	22.79	22.81	22.86							
10	16QAM	25	0	21.95	21.52	21.45	22.8	2					
10	16QAM	25	12	21.49	21.47	21.55							
10	16QAM	25	25	21.48	21.58	21.55							
10	16QAM	40	0	21.54	21.59	21.53	22.8	2					
10	16QAM	1	0	21.37	21.68	21.82							
10	16QAM	1	25	21.64	21.75	21.36							
10	16QAM	1	40	21.48	21.5	21.56	21.8	3					
10	16QAM	25	0	20.8	20.7	20.6							
10	16QAM	25	12	20.67	20.7	20.8							
10	16QAM	25	25	20.63	20.79	20.71	21.8	3					
10	16QAM	40	0	20.61	20.7	20.71							
Channel 2045.5 2045.5 2045.5													
Frequency (MHz)													
826.5 826.5 846.5													
5	QPSK	1	0	23.35	23.66	23.41	24.8	0					
5	QPSK	1	10	23.53	23.53	23.53							
5	QPSK	1	24	23.50	23.48	23.45							
5	QPSK	12	0	22.33	22.39	22.31	23.8	1					
5	QPSK	12	7	22.27	22.28	22.48							
5	QPSK	12	27	22.25	22.25	22.33	22.8	2					
5	16QAM	1	0	22.31	22.39	22.31							
5	16QAM	1	5	22.73	22.65	22.32							
5	16QAM	1	10	22.65	22.65	22.75	22.8	2					
5	16QAM	1	24	22.64	22.36	22.84							
5	16QAM	12	0	21.31	21.46	21.52							
5	16QAM	12	7	21.19	21.31	21.32	21.8	3					
5	16QAM	12	27	21.17	21.17	21.25							
5	16QAM	25	0	21.25	21.45	21.43							
5	16QAM	1	0	21.31	21.38	21.89	22.8	2					
5	16QAM	1	5	21.65	21.65	21.75							
5	16QAM	1	24	21.34	21.64	21.49							
5	16QAM	12	0	20.47	20.61	20.73	21.8	3					
5	16QAM	12	7	20.48	20.24	20.24							
5	16QAM	12	27	20.47	20.24	20.24							
5	16QAM	25	0	20.48	20.51	20.56							
Channel 2044.5 2044.5 2044.5													
Frequency (MHz)													
824.7 826.5 844.3													
3	QPSK	1	0	23.28	23.44	23.50	24.8	0					
3	QPSK	1	8	23.36	23.33	23.34							
3	QPSK	1	14	23.32	23.38	23.41							
3	QPSK	1	20	23.34	23.34	23.34	23.8	1					
3	QPSK	8	4	22.32	22.34	22.43							
3	QPSK	8	7	22.33	22.40	22.45							
3	QPSK	15	0	22.28	22.28	22.48	23.8	1					
3	QPSK	15	8	22.23	22.29	22.47							
3	QPSK	15	14	22.25	22.29	22.56							
3	16QAM	1	8	22.45	22.45	22.59	23.8	1					
3	16QAM	1	14	22.65	22.72	22.79							
3	16QAM	1	20	22.63	22.63	21.53							
3	16QAM	8	4	21.14	21.38	21.50	22.8	2					
3	16QAM	8	7	21.2	21.44	21.41							
3	16QAM	15	0	21.11	21.46	21.43							
3	16QAM	1	8	21.52	21.52	21.62	22.8	2					
3	16QAM	1	14	21.38	21.61	21.57							
3	16QAM	1	20	21.38	21.38	21.57							
3	16QAM	8	4	20.63	20.45	20.87	21.8	3					
3	16QAM	8	7	20.62	20.47	20.58							
3	16QAM	15	0	20.47	20.47	20.58							
Channel 2046.7 2046.7 2046.7													
Frequency (MHz)													
824.7 826.5 844.3													
1.4	QPSK	1	0	23.33	23.48	23.48	24.8	0					
1.4	QPSK	1	10	23.34	23.34	23.34							
1.4	QPSK	1	5	23.26	23.30	23.28							
1.4	QPSK	3	0	23.31	23.45	23.45	23.8	1					
1.4	QPSK	3	1	23.33	23.33	23.31							
1.4	QPSK	3	2	23.28	23.41	23.40							
1.4	QPSK	6	0	22.25	22.27	22.45	23.8	1					
1.4	16QAM	1	0	22.51	22.70	22.70							
1.4	16QAM	1	10	22.54	22.54	22.45							
1.4	16QAM	1	5	22.64	22.40	22.89	22.8	2					
1.4	16QAM	3	0	22.37	22.24	22.45							
1.4	16QAM	3	1	22.41	22.45	22.45							
1.4	16QAM	6	0	22.25	22.25	22.45	22.8	2					
1.4	16QAM	6	0	21.34	21.41	21.38							
1.4	16QAM	1	0	21.45	21.81	21.23							
1.4	16QAM	1	10	21.46	21.86	21.38	21.8	3					
1.4	16QAM	1	5	21.29	21.34	21.30							
1.4	16QAM	3	0	21.45	21.50	21.50							
1.4	16QAM	1	1	21.36	21.58	21.57	22.8	2					
1.4	16QAM	1	10	21.36	21.42	21.48							
1.4	16QAM	1	5	20.41	20.54	20.52							

Band 66_Ant14										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Time-up (min)	MPR (dB)		
Channel										
Frequency (MHz)				15002	15002	15002				
20	QPSK	1	0	13.31	13.38	13.32				
20	QPSK	1	48	13.28	13.33	13.32	14.5	0		
20	QPSK	1	96	13.25	13.32	13.32				
20	QPSK	50	0	13.22	13.46	13.31				
20	QPSK	50	24	13.41	13.43	13.41	14.5	0		
20	QPSK	50	50	13.31	13.40	13.30				
20	QPSK	100	0	13.18	13.42	13.29				
20	16QAM	1	0	13.41	13.44	13.35				
20	16QAM	1	48	13.36	13.41	13.32	14.5	0		
20	16QAM	1	96	13.16	13.36	13.23				
20	16QAM	50	0	13.43	13.47	13.40				
20	16QAM	50	24	13.37	13.46	13.41	14.5	0		
20	16QAM	50	50	13.32	13.42	13.31				
20	16QAM	100	0	13.42	13.48	13.44				
20	8QAM	1	0	13.33	13.37	13.25				
20	8QAM	1	48	13.32	13.42	13.35	14.5	0		
20	8QAM	1	96	13.16	13.36	13.23				
20	8QAM	50	0	13.43	13.47	13.40				
20	8QAM	50	24	13.37	13.47	13.35	14.5	0		
20	8QAM	50	50	13.37	13.47	13.35				
20	8QAM	100	0	13.38	13.47	13.35				
Channel										
Frequency (MHz)				15002	150022	150067	Time-up (min)	MPR (dB)		
15	QPSK	1	0	13.26	13.38	13.26				
15	QPSK	1	36	13.16	13.42	13.29	14.5	0		
15	QPSK	1	74	13.23	13.29	13.20				
15	QPSK	36	0	13.21	13.42	13.27				
15	QPSK	36	20	13.38	13.40	13.37	14.5	0		
15	QPSK	36	36	13.27	13.36	13.20				
15	QPSK	75	0	13.09	13.39	13.26				
15	16QAM	1	0	13.33	13.38	13.28				
15	16QAM	1	36	13.32	13.36	13.26	14.5	0		
15	16QAM	1	74	13.27	13.33	13.26				
15	16QAM	36	0	13.33	13.32	13.26				
15	16QAM	36	20	13.32	13.37	13.36	14.5	0		
15	16QAM	36	36	13.28	13.42	13.21				
15	16QAM	75	0	13.40	13.43	13.43				
15	8QAM	1	0	13.25	13.28	13.23	14.5	0		
15	8QAM	1	36	13.26	13.38	13.21				
15	8QAM	1	74	13.18	13.26	13.16				
15	8QAM	36	0	13.41	13.42	13.36	14.5	0		
15	8QAM	36	20	13.29	13.41	13.22				
15	8QAM	36	36	13.32	13.47	13.25				
15	8QAM	75	0	13.37	13.37	13.26				
Channel										
Frequency (MHz)				15002	150022	150067	Time-up (min)	MPR (dB)		
10	QPSK	1	0	13.23	13.30	13.23				
10	QPSK	1	26	13.26	13.43	13.23	14.5	0		
10	QPSK	1	48	13.16	13.29	13.19				
10	QPSK	26	0	13.17	13.42	13.24				
10	QPSK	25	12	13.39	13.32	13.37	14.5	0		
10	QPSK	25	26	13.27	13.38	13.26				
10	QPSK	50	0	13.09	13.40	13.19				
10	16QAM	1	0	13.33	13.33	13.31				
10	16QAM	1	26	13.25	13.33	13.22	14.5	0		
10	16QAM	1	48	13.23	13.30	13.25				
10	16QAM	25	0	13.25	13.40	13.36	14.5	0		
10	16QAM	25	12	13.32	13.45	13.39				
10	16QAM	25	26	13.31	13.39	13.29				
10	16QAM	50	0	13.35	13.41	13.36				
10	8QAM	1	0	13.23	13.36	13.24				
10	8QAM	1	26	13.23	13.33	13.26	14.5	0		
10	8QAM	1	48	13.16	13.20	13.23				
10	8QAM	25	0	13.29	13.43	13.30	14.5	0		
10	8QAM	25	12	13.35	13.42	13.31				
10	8QAM	25	26	13.36	13.38	13.31				
10	8QAM	50	0	13.36	13.35	13.27				
Channel										
Frequency (MHz)				1712.5	1746	1777.5	Time-up (min)	MPR (dB)		
5	QPSK	1	0	13.27	13.30	13.26				
5	QPSK	1	12	13.25	13.42	13.25	14.5	0		
5	QPSK	1	24	13.15	13.38	13.22				
5	QPSK	12	0	13.11	13.38	13.29				
5	QPSK	12	13	13.22	13.32	13.25	14.5	0		
5	QPSK	25	0	13.07	13.35	13.25				
5	16QAM	1	0	13.34	13.33	13.23				
5	16QAM	1	12	13.30	13.37	13.30	14.5	0		
5	16QAM	1	24	13.22	13.36	13.18				
5	16QAM	12	0	13.32	13.45	13.25				
5	16QAM	12	7	13.33	13.39	13.34	14.5	0		
5	16QAM	12	13	13.27	13.32	13.24				
5	16QAM	25	0	13.37	13.47	13.40				
5	8QAM	1	0	13.31	13.29	13.20				
5	8QAM	1	12	13.21	13.30	13.26	14.5	0		
5	8QAM	1	24	13.09	13.34	13.20				
5	8QAM	12	0	13.33	13.43	13.29				
5	8QAM	12	7	13.25	13.40	13.32	14.5	0		
5	8QAM	12	13	13.26	13.42	13.23				
5	8QAM	25	0	13.34	13.37	13.33				
Channel										
Frequency (MHz)				151667	150022	150067	Time-up (min)	MPR (dB)		
3	QPSK	1	0	13.25	13.30	13.27				
3	QPSK	1	8	13.23	13.47	13.19	14.5	0		
3	QPSK	1	14	13.22	13.21	13.19				
3	QPSK	8	0	13.15	13.34	13.27				
3	QPSK	8	4	13.20	13.37	13.28	14.5	0		
3	QPSK	8	7	13.26	13.30	13.20				
3	QPSK	15	0	13.11	13.36	13.23				
3	16QAM	1	0	13.33	13.32	13.25				
3	16QAM	1	8	13.31	13.33	13.28	14.5	0		
3	16QAM	1	14	13.23	13.31	13.17				
3	16QAM	8	0	13.21	13.36	13.30				
3	16QAM	8	4	13.32	13.41	13.30	14.5	0		
3	16QAM	8	7	13.24	13.33	13.23				
3	16QAM	15	0	13.38	13.41	13.32				
3	8QAM	1	0	13.20	13.34	13.18	14.5	0		
3	8QAM	1	8	13.26	13.39	13.24				
3	8QAM	1	14	13.06	13.18	13.10				
3	8QAM	8	0	13.36	13.34	13.37				
3	8QAM	8	4	13.30	13.39	13.24	14.5	0		
3	8QAM	8	7	13.24	13.40	13.23				
3	8QAM	15	0	13.30	13.28	13.27				
Channel										
Frequency (MHz)				151979	150022	150065	Time-up (min)	MPR (dB)		
1.4	QPSK	1	0	13.27	13.34	13.29				
1.4	QPSK	1	3	13.18	13.43	13.27	14.5	0		
1.4	QPSK	1	5	13.13	13.19	13.17				
1.4	QPSK	3	0	13.11	13.41	13.22				
1.4	QPSK	3	3	13.36	13.36	13.28				
1.4	QPSK	3	3	13.17	13.26	13.23	14.5	0		
1.4	QPSK	6	0	13.09	13.30	13.25				
1.4	16QAM	1	0	13.35	13.33	13.25				
1.4	16QAM	1	3	13.27	13.27	13.20	14.5	0		
1.4	16QAM	1	5	13.22	13.25	13.25				
1.4	16QAM	3	0	13.30	13.42	13.28				
1.4	16QAM	3	3	13.23	13.34	13.25				
1.4	16QAM	6	0	13.35	13.36	13.40	14.5	0		
1.4	8QAM	1	0	13.26	13.36	13.26				
1.4	8QAM	1	3	13.23	13.34	13.25				
1.4	8QAM	1	5	13.07	13.17	13.12	14.5	0		
1.4	8QAM	3	0	13.20	13.25	13.25				
1.4	8QAM	3	3	13.28	13.45	13.27				
1.4	8QAM	3	3	13.23	13.35	13.25				
1.4	8QAM	6	0	13.33	13.27	13.20	14.5	0		

Band 66_Ant31										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Time-up (sec)	MPR (dB)		
Channel										
Frequency (MHz)				150072	150022	150072				
20	QPSK	1	0	23.08	23.26	23.11				
20	QPSK	1	48	23.15	23.35	23.19	24	0		
20	QPSK	1	96	23.07	23.25	23.12				
20	QPSK	50	0	22.11	22.42	22.25				
20	QPSK	50	24	22.23	22.40	22.23	23	1		
20	QPSK	100	0	22.12	22.38	22.28				
20	QPSK	100	24	22.15	22.38	22.26	23	1		
20	HQAM	1	48	23.24	23.38	23.24	23	1		
20	HQAM	1	96	23.15	23.30	23.21				
20	HQAM	50	0	21.10	21.36	21.23				
20	HQAM	50	24	21.14	21.34	21.25	23	2		
20	HQAM	50	50	21.10	21.21	21.15				
20	HQAM	100	0	21.10	21.37	21.23				
20	HQAM	100	24	21.23	21.41	21.25				
20	HQAM	100	48	21.33	21.43	21.37				
20	HQAM	1	96	20.87	21.45	20.87				
20	HQAM	50	0	20.03	20.34	20.20				
20	HQAM	50	24	20.38	20.38	20.38	21	1		
20	HQAM	50	50	20.08	20.20	20.08				
20	HQAM	100	0	20.05	20.48	20.20				
Frequency (MHz)				150172	150222	150172	Time-up (sec)	MPR (dB)		
15	QPSK	1	0	22.80	23.13	23.11				
15	QPSK	1	36	23.00	23.21	23.24	24	0		
15	QPSK	1	74	22.86	23.18	23.26				
15	QPSK	36	0	22.86	23.11	23.26				
15	QPSK	36	20	21.96	22.13	21.97				
15	QPSK	36	36	21.97	22.12	22.03				
15	QPSK	74	0	22.07	22.23	22.23	23	1		
15	HQAM	1	0	22.32	22.24	22.34				
15	HQAM	1	36	22.36	22.58	22.41	23	1		
15	HQAM	1	74	21.99	22.47	21.96				
15	HQAM	36	0	21.00	21.00	21.00	23	2		
15	HQAM	36	20	20.93	21.15	21.03				
15	HQAM	36	36	20.95	21.09	20.98				
15	HQAM	74	0	20.87	21.16	20.87	23	2		
15	HQAM	74	20	20.97	21.18	20.94				
15	HQAM	1	37	21.16	21.51	21.28				
15	HQAM	1	74	21.16	21.26	20.98				
15	HQAM	36	20	20.95	21.15	21.03	23	2		
15	HQAM	36	36	20.93	21.05	20.95				
15	HQAM	74	0	20.87	21.03	20.95				
15	HQAM	74	20	20.88	20.96	20.95	Time-up (sec) <td>MPR (dB)<td colspan="2"></td></td>	MPR (dB) <td colspan="2"></td>		
Frequency (MHz)				1715	1746	1715				
10	QPSK	1	0	23.04	23.23	23.09				
10	QPSK	1	26	23.00	23.32	23.24	24	0		
10	QPSK	1	52	22.99	23.31	23.21				
10	QPSK	26	0	21.95	22.17	22.06				
10	QPSK	26	12	21.96	22.15	22.08				
10	QPSK	26	26	22.10	22.28	22.19	23	1		
10	QPSK	52	0	22.01	22.21	22.08				
10	HQAM	1	0	22.25	22.28	22.27				
10	HQAM	1	26	22.10	22.28	22.43	23	1		
10	HQAM	1	52	22.09	22.28	22.43				
10	HQAM	26	0	20.96	21.08	21.05				
10	HQAM	26	12	20.90	21.05	21.01	23	2		
10	HQAM	26	26	21.20	21.28	21.20				
10	HQAM	52	0	20.95	21.21	20.98	22	2		
10	HQAM	1	0	21.15	21.18	21.22				
10	HQAM	1	26	20.89	21.39	20.78				
10	HQAM	1	52	20.89	21.39	20.78				
10	HQAM	26	0	19.92	20.14	19.97				
10	HQAM	26	12	19.87	20.10	19.88	21	3		
10	HQAM	26	26	20.10	20.10	20.10				
10	HQAM	52	0	19.91	20.11	20.11	21	3		
Channel				193697	193202	193697	Time-up (sec)	MPR (dB)		
Frequency (MHz)				1715.3	1746	1717.5				
5	QPSK	1	0	22.85	23.11	22.87				
5	QPSK	1	12	22.82	23.08	22.82	24	0		
5	QPSK	1	24	22.82	23.08	22.82				
5	QPSK	12	0	21.96	22.11	22.08				
5	QPSK	12	12	21.97	22.12	22.07				
5	QPSK	12	13	21.99	22.10	22.10				
5	QPSK	26	0	21.92	22.13	21.96				
5	HQAM	1	0	22.21	22.26	22.21				
5	HQAM	1	12	22.20	22.26	22.20	23	1		
5	HQAM	1	24	22.37	22.23	21.86				
5	HQAM	12	0	20.88	21.14	20.87				
5	HQAM	12	12	20.88	21.14	20.87	22	2		
5	HQAM	12	13	20.91	21.07	20.93				
5	HQAM	26	0	21.01	21.11	21.03				
5	HQAM	1	0	21.27	21.37	20.96				
5	HQAM	1	12	21.27	21.37	20.96				
5	HQAM	1	24	21.21	21.38	21.21				
5	HQAM	12	0	19.95	20.20	19.92				
5	HQAM	12	12	19.95	20.20	19.92				
5	HQAM	12	13	19.90	20.10	19.90	21	3		
5	HQAM	26	0	19.84	20.00	19.85				
Channel				193697	193202	193697	Time-up (sec)	MPR (dB)		
Frequency (MHz)				1716.7	1746	1717.3				
14	QPSK	1	0	23.05	23.22	23.09				
14	QPSK	1	14	22.88	23.32	23.26	24	0		
14	QPSK	1	28	22.87	23.31	23.23				
14	QPSK	3	0	21.92	22.10	22.03	23	1		
14	QPSK	8	7	21.84	22.04	21.92				
14	QPSK	15	0	21.97	22.11	22.01				
14	QPSK	15	7	21.95	22.11	22.01				
14	HQAM	1	0	22.09	22.00	22.10	23	1		
14	HQAM	1	14	22.12	22.55	22.38				
14	HQAM	3	0	21.10	21.24	21.15	22	2		
14	HQAM	8	4	20.92	21.15	20.98				
14	HQAM	8	7	20.97	21.00	21.02				
14	HQAM	15	0	20.93	21.11	20.92				
14	HQAM	15	7	20.93	21.11	20.92				
14	HQAM	1	0	21.26	21.10	21.10	22	2		
14	HQAM	1	14	21.17	21.41	21.18				
14	HQAM	3	0	19.94	20.14	19.94				
14	HQAM	8	4	19.89	20.14	19.87	21	3		
14	HQAM	8	7	19.95	19.93	19.91				
14	HQAM	15	0	19.80	19.95	19.85	Time-up (sec) <td>MPR (dB)<td colspan="2"></td></td>	MPR (dB) <td colspan="2"></td>		
Frequency (MHz)				1767.7	1745	1779.3				
14	QPSK	1	0	23.05	23.22	23.09				
14	QPSK	1	14	22.88	23.30	23.26	24	0		
14	QPSK	1	28	22.89	23.29	23.21				
14	QPSK	3	0	22.90	23.02	23.03	23	1		
14	QPSK	3	1	23.00	23.12	23.08				
14	QPSK	8	5	21.76	22.12	21.83	24	0		
14	HQAM	1	0	22.41	22.32	22.35				
14	HQAM	1	3	22.19	22.62	22.38				
14	HQAM	3	0	21.22	21.22	21.21	24	0		
14	HQAM	3	1	21.98	22.15	22.08				
14	HQAM	3	3	22.06	22.23	22.08				
14	HQAM	3	8	22.06	22.23	22.08				
14	HQAM	8	0	20.97	21.29	21.10	24	0		
14	HQAM	1	0	20.95	21.40	20.93				
14	HQAM	1	3	20.92	21.07	20.98				
14	HQAM	3	0	21.37	21.31	21.31	24	0		
14	HQAM	3	3	21.05	21.35	21.08				
14	HQAM	3	7	20.73	21.11	21.11				
14	HQAM	3	3	21.04	21.11	21.12				

Band 38_Ant31										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	23.44	23.57	23.38	24.8	0		
20	QPSK	1	49	23.70	23.65	23.61				
20	QPSK	1	99	23.52	23.63	23.53				
20	QPSK	50	0	22.65	22.55	22.52	23.8	1		
20	QPSK	50	24	22.56	22.58	22.56				
20	QPSK	50	50	22.48	22.48	22.60				
20	QPSK	100	0	22.63	22.60	22.55	23.8	1		
20	16QAM	1	0	22.39	22.53	22.43				
20	16QAM	1	49	22.59	22.87	22.60				
20	16QAM	1	99	22.44	22.65	22.48	22.8	2		
20	16QAM	50	0	21.52	21.73	21.49				
20	16QAM	50	24	21.53	21.76	21.58				
20	16QAM	50	50	21.47	21.70	21.56	22.8	2		
20	16QAM	100	0	21.50	21.75	21.57				
20	64QAM	1	0	21.14	21.40	21.06	22.8	2		
20	64QAM	1	49	21.31	21.53	21.35				
20	64QAM	1	99	21.16	21.39	21.29				
20	64QAM	50	0	20.62	20.88	20.59	21.8	3		
20	64QAM	50	24	20.67	20.91	20.68				
20	64QAM	50	50	20.56	20.86	20.75				
20	64QAM	100	0	20.67	20.85	20.70	Tune-up limit (dBm)	MPR (dB)		
Channel				37825	38000	38175				
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	23.46	23.60	23.50	24.8	0		
15	QPSK	1	37	23.59	23.66	23.62				
15	QPSK	1	74	23.41	23.64	23.59				
15	QPSK	36	0	22.49	22.56	22.51	23.8	1		
15	QPSK	36	20	22.52	22.58	22.54				
15	QPSK	36	39	22.41	22.61	22.51				
15	QPSK	75	0	22.49	22.62	22.55	23.8	1		
15	16QAM	1	0	22.37	22.52	22.51				
15	16QAM	1	37	22.56	22.68	22.68				
15	16QAM	1	74	22.43	22.58	22.60	22.8	2		
15	16QAM	36	0	21.43	21.54	21.45				
15	16QAM	36	20	21.44	21.56	21.51				
15	16QAM	36	39	21.38	21.58	21.53	22.8	2		
15	16QAM	75	0	21.51	21.59	21.60				
15	64QAM	1	0	21.18	21.34	21.27				
15	64QAM	1	37	21.36	21.47	21.29	22.8	2		
15	64QAM	1	74	21.09	21.30	21.31				
15	64QAM	36	0	20.68	20.76	20.67				
15	64QAM	36	20	20.64	20.73	20.68	21.8	3		
15	64QAM	36	39	20.57	20.80	20.74				
15	64QAM	75	0	20.68	20.78	20.75				
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	23.55	23.57	23.55				
10	QPSK	1	25	23.55	23.63	23.67	24.8	0		
10	QPSK	1	49	23.51	23.67	23.67				
10	QPSK	25	0	22.49	22.63	22.55	23.8	1		
10	QPSK	25	12	22.48	22.66	22.58				
10	QPSK	25	25	22.49	22.60	22.62				
10	QPSK	50	0	22.50	22.63	22.63	23.8	1		
10	16QAM	1	0	22.51	22.56	22.60				
10	16QAM	1	25	22.57	22.71	22.66				
10	16QAM	1	49	22.54	22.67	22.65	22.8	2		
10	16QAM	25	0	21.58	21.67	21.57				
10	16QAM	25	12	21.50	21.68	21.59				
10	16QAM	25	25	21.46	21.62	21.65	22.8	2		
10	16QAM	50	0	21.50	21.66	21.62				
10	16QAM	1	0	21.23	21.37	21.32				
10	64QAM	1	0	21.28	21.43	21.40	22.8	2		
10	64QAM	1	49	21.22	21.36	21.34				
10	64QAM	25	0	20.76	20.83	20.80				
10	64QAM	25	12	20.70	20.87	20.91	21.8	3		
10	64QAM	25	25	20.64	20.80	20.87				
10	64QAM	50	0	20.61	20.79	20.78				
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	23.49	23.67	23.61				
5	QPSK	1	12	23.57	23.58	23.64	24.8	0		
5	QPSK	1	24	23.52	23.69	23.66				
5	QPSK	12	0	22.51	22.68	22.61	23.8	1		
5	QPSK	12	7	22.45	22.61	22.62				
5	QPSK	12	13	22.48	22.56	22.65				
5	QPSK	25	0	22.48	22.62	22.69	23.8	1		
5	16QAM	1	0	22.43	22.60	22.64				
5	16QAM	1	12	22.54	22.68	22.64				
5	16QAM	1	24	22.48	22.66	22.71	22.8	2		
5	16QAM	12	0	21.48	21.63	21.59				
5	16QAM	12	7	21.39	21.53	21.61				
5	16QAM	12	13	21.40	21.54	21.58	22.8	2		
5	16QAM	25	0	21.55	21.64	21.67				
5	64QAM	1	0	21.20	21.47	21.31				
5	64QAM	1	12	21.27	21.49	21.41	22.8	2		
5	64QAM	1	24	21.23	21.45	21.42				
5	64QAM	12	0	20.66	20.86	20.77				
5	64QAM	12	7	20.61	20.80	20.85	21.8	3		
5	64QAM	12	13	20.65	20.78	20.82				
5	64QAM	25	0	20.75	20.87	20.87				

Band 38_Ant14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	14.02	13.98	13.95	15.3	0	
20	QPSK	1	49	14.22	14.16	14.21			
20	QPSK	1	99	13.85	13.97	13.95			
20	QPSK	50	0	14.15	14.06	14.09	15.3	0	
20	QPSK	50	24	13.99	14.09	13.99			
20	QPSK	50	50	13.93	14.03	14.01			
20	QPSK	100	0	14.12	14.08	14.10	15.3	0	
20	16QAM	1	0	14.03	14.09	14.04			
20	16QAM	1	49	14.13	14.21	14.09			
20	16QAM	1	99	13.94	14.06	13.98	15.3	0	
20	16QAM	50	0	13.98	14.06	14.02			
20	16QAM	50	24	14.03	14.10	14.03			
20	16QAM	50	50	13.92	13.99	13.92	15.3	0	
20	16QAM	100	0	14.07	14.10	14.02			
20	64QAM	1	0	13.94	14.00	13.89	15.3	0	
20	64QAM	1	49	14.08	14.12	14.02			
20	64QAM	1	99	13.93	13.98	13.86			
20	64QAM	50	0	14.00	14.08	14.00	15.3	0	
20	64QAM	50	24	14.02	14.10	14.03			
20	64QAM	50	50	13.92	13.99	13.92			
20	64QAM	100	0	13.92	14.02	13.96			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	13.99	13.92	13.93	15.3	0	
15	QPSK	1	37	14.19	14.09	14.15			
15	QPSK	1	74	13.77	13.96	13.91			
15	QPSK	36	0	14.11	14.03	14.08	15.3	0	
15	QPSK	36	20	13.94	14.01	13.89			
15	QPSK	36	39	13.92	13.95	13.91			
15	QPSK	75	0	14.13	14.08	14.05	15.3	0	
15	16QAM	1	0	13.99	14.05	14.01			
15	16QAM	1	37	14.05	14.18	14.00			
15	16QAM	1	74	13.93	14.04	13.94	15.3	0	
15	16QAM	36	0	13.93	14.06	14.02			
15	16QAM	36	20	14.01	14.06	14.02			
15	16QAM	36	39	13.84	13.89	13.91	15.3	0	
15	16QAM	75	0	14.00	14.10	13.99			
15	16QAM	1	0	13.94	13.93	13.82			
15	64QAM	1	37	13.99	14.05	13.87	15.3	0	
15	64QAM	1	74	13.88	13.97	13.77			
15	64QAM	36	0	13.96	14.06	13.97			
15	64QAM	36	20	13.99	14.06	13.95	15.3	0	
15	64QAM	36	39	13.84	13.93	13.88			
15	64QAM	75	0	13.90	14.01	13.92			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	13.91	13.88	13.90	15.3	0	
10	QPSK	1	25	14.11	14.06	14.19			
10	QPSK	1	49	13.81	13.92	13.94			
10	QPSK	25	0	14.12	13.99	13.99	15.3	0	
10	QPSK	25	12	13.93	14.00	13.89			
10	QPSK	25	25	13.85	13.92	13.91			
10	QPSK	50	0	14.15	13.97	14.02	15.3	0	
10	16QAM	1	0	13.98	13.98	14.02			
10	16QAM	1	25	14.11	14.18	14.01			
10	16QAM	1	49	13.84	13.97	13.95	15.3	0	
10	16QAM	25	0	13.89	14.02	13.95			
10	16QAM	25	12	13.97	14.07	13.98			
10	16QAM	25	25	13.82	13.95	13.81	15.3	0	
10	16QAM	50	0	14.03	14.05	13.95			
10	16QAM	1	0	13.89	13.91	13.83			
10	64QAM	1	25	14.07	14.02	13.92	15.3	0	
10	64QAM	1	49	13.92	13.97	13.80			
10	64QAM	25	0	13.95	14.07	13.99			
10	64QAM	25	12	13.91	14.00	13.97	15.3	0	
10	64QAM	25	25	13.84	13.88	13.81			
10	64QAM	50	0	13.90	13.96	13.85			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	13.92	13.90	13.85	15.3	0	
5	QPSK	1	12	14.16	14.13	14.18			
5	QPSK	1	24	13.73	13.94	13.82			
5	QPSK	12	0	14.05	13.96	14.05	15.3	0	
5	QPSK	12	7	13.95	14.06	13.88			
5	QPSK	12	13	13.84	13.97	13.94			
5	QPSK	25	0	14.05	14.04	14.06	15.3	0	
5	16QAM	1	0	13.93	14.04	13.93			
5	16QAM	1	12	14.08	14.13	14.04			
5	16QAM	1	24	13.87	14.03	13.93	15.3	0	
5	16QAM	12	0	13.86	14.04	13.94			
5	16QAM	12	7	13.97	14.06	13.96			
5	16QAM	12	13	13.82	13.90	13.85	15.3	0	
5	16QAM	25	0	13.95	13.98	13.95			
5	64QAM	1	0	13.89	13.88	13.82			
5	64QAM	1	12	14.06	14.00	13.99	15.3	0	
5	64QAM	1	24	13.84	13.90	13.76			
5	64QAM	12	0	13.95	14.03	13.91			
5	64QAM	12	7	14.00	14.05	13.99	15.3	0	
5	64QAM	12	13	13.90	13.88	13.87			
5	64QAM	25	0	13.89	13.97	13.86			

Band 41_Ant31														
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				39750	40185	40620	41055	41490						
Frequency (MHz)				2506	2549.5	2593	2636.5	2680						
20	QPSK	1	0	23.44	23.36	23.52	23.47	23.36	24.8	0				
20	QPSK	1	49	23.50	23.48	23.71	23.62	23.60						
20	QPSK	1	99	23.39	23.35	23.60	23.45	23.45						
20	QPSK	50	0	22.38	22.49	22.66	22.53	22.54						
20	QPSK	50	24	22.50	22.49	22.60	22.55	22.55	23.8	1				
20	QPSK	50	50	22.53	22.45	22.58	22.58	22.55						
20	QPSK	100	0	22.42	22.46	22.60	22.56	22.51						
20	16QAM	1	0	22.39	22.28	22.56	22.45	22.37						
20	16QAM	1	49	22.54	22.56	22.71	22.60	22.64	23.8	1				
20	16QAM	1	99	22.40	22.33	22.60	22.42	22.46						
20	16QAM	50	0	21.62	21.53	21.62	21.52	21.52						
20	16QAM	50	24	21.73	21.51	21.68	21.58	21.57						
20	16QAM	50	50	21.72	21.46	21.64	21.53	21.53	22.8	2				
20	16QAM	100	0	21.64	21.49	21.60	21.59	21.52						
20	64QAM	1	0	21.30	21.06	21.16	21.14	21.12						
20	64QAM	1	49	21.41	21.25	21.42	21.40	21.30						
20	64QAM	1	99	21.27	21.05	21.30	21.15	21.19	22.8	2				
20	64QAM	50	0	20.54	20.66	20.78	20.68	20.66						
20	64QAM	50	24	20.61	20.66	20.83	20.72	20.73						
20	64QAM	50	50	20.66	20.56	20.81	20.69	20.70						
20	64QAM	100	0	20.56	20.62	20.77	20.67	20.65	21.8	3				
Channel				39725	40173	40620	41068	41515						
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5						
15	QPSK	1	0	23.43	23.46	23.48	23.47	23.43				24.80	0	
15	QPSK	1	37	23.53	23.67	23.70	23.69	23.54						
15	QPSK	1	74	23.48	23.43	23.58	23.56	23.45						
15	QPSK	36	0	22.39	22.39	22.56	22.49	22.41						
15	QPSK	36	20	22.44	22.47	22.58	22.51	22.42	23.8	1				
15	QPSK	36	39	22.47	22.45	22.64	22.51	22.41						
15	QPSK	75	0	22.48	22.47	22.56	22.52	22.44						
15	16QAM	1	0	22.45	22.36	22.47	22.46	22.36						
15	16QAM	1	37	22.55	22.53	22.67	22.58	22.57	23.8	1				
15	16QAM	1	74	22.47	22.43	22.53	22.43	22.47						
15	16QAM	36	0	21.54	21.59	21.53	21.46	21.39						
15	16QAM	36	20	21.64	21.60	21.58	21.43	21.39						
15	16QAM	36	39	21.71	21.64	21.61	21.47	21.38	22.8	2				
15	16QAM	75	0	21.60	21.66	21.62	21.53	21.46						
15	64QAM	1	0	21.30	21.29	21.27	21.15	21.14						
15	64QAM	1	37	21.46	21.43	21.37	21.31	21.37						
15	64QAM	1	74	21.32	21.39	21.29	21.23	21.13	22.8	2				
15	64QAM	36	0	20.64	20.56	20.75	20.66	20.58						
15	64QAM	36	20	20.61	20.59	20.79	20.63	20.62						
15	64QAM	36	39	20.68	20.67	20.77	20.66	20.58						
15	64QAM	75	0	20.55	20.53	20.78	20.67	20.61	21.8	3				
Channel				39700	40160	40620	41080	41540						
Frequency (MHz)				2501	2547	2593	2639	2685						
10	QPSK	1	0	23.42	23.60	23.58	23.43	23.62				24.80	0	
10	QPSK	1	25	23.47	23.66	23.55	23.56	23.69						
10	QPSK	1	49	23.40	23.68	23.58	23.50	23.67						
10	QPSK	25	0	22.29	22.61	22.47	22.44	22.65	23.8	1				
10	QPSK	25	12	22.39	22.63	22.46	22.49	22.72						
10	QPSK	25	25	22.41	22.71	22.45	22.45	22.71						
10	QPSK	50	0	22.45	22.63	22.47	22.51	22.71	23.8	1				
10	16QAM	1	0	22.35	22.59	22.45	22.42	22.62						
10	16QAM	1	25	22.47	22.67	22.56	22.55	22.65						
10	16QAM	1	49	22.38	22.61	22.50	22.53	22.73	22.8	2				
10	16QAM	25	0	21.57	21.67	21.47	21.53	21.68						
10	16QAM	25	12	21.60	21.67	21.52	21.50	21.74						
10	16QAM	25	25	21.55	21.65	21.52	21.46	21.77						
10	16QAM	50	0	21.59	21.61	21.48	21.50	21.75	22.8	2				
10	64QAM	1	0	21.33	21.30	21.25	21.16	21.46						
10	64QAM	1	25	21.37	21.46	21.28	21.29	21.50						
10	64QAM	1	49	21.29	21.38	21.17	21.19	21.44						
10	64QAM	25	0	20.52	20.80	20.66	20.68	20.92	21.8	3				
10	64QAM	25	12	20.60	20.80	20.68	20.77	20.94						
10	64QAM	25	25	20.64	20.86	20.65	20.69	21.01						
10	64QAM	50	0	20.66	20.77	20.64	20.67	20.93						
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5						
5	QPSK	1	0	23.36	23.55	23.46	23.43	23.45	24.80	0				
5	QPSK	1	12	23.41	23.63	23.57	23.51	23.53						
5	QPSK	1	24	23.36	23.65	23.52	23.47	23.49						
5	QPSK	12	0	22.33	22.55	22.40	22.42	22.41		23.8	1			
5	QPSK	12	7	22.34	22.57	22.39	22.39	22.41						
5	QPSK	12	13	22.34	22.58	22.45	22.40	22.39						
5	QPSK	25	0	22.34	22.57	22.41	22.40	22.48	23.8	1				
5	16QAM	1	0	22.38	22.58	22.39	22.41	22.41						
5	16QAM	1	12	22.44	22.68	22.43	22.54	22.44						
5	16QAM	1	24	22.37	22.61	22.45	22.45	22.44		22.8	2			
5	16QAM	12	0	21.45	21.51	21.37	21.35	21.37						
5	16QAM	12	7	21.44	21.52	21.33	21.34	21.35						
5	16QAM	12	13	21.48	21.48	21.34	21.31	21.29		22.8	2			
5	16QAM	25	0	21.58	21.54	21.45	21.46	21.44						
5	64QAM	1	0	21.34	21.32	21.20	21.24	21.19	22.8	2				
5	64QAM	1	12	21.31	21.29	21.15	21.25	21.20						
5	64QAM	1	24	21.34	21.36	21.19	21.22	21.22						
5	64QAM	12	0	20.47	20.72	20.53	20.60	20.54		21.8	3			
5	64QAM	12	7	20.52	20.75	20.55	20.58	20.52						
5	64QAM	12	13	20.46	20.72	20.54	20.53	20.54						
5	64QAM	25	0	20.58	20.74	20.61	20.62	20.59						

Band 41_Ant14												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)		
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	14.02	13.98	14.05	13.96	14.02	15.3	0		
20	QPSK	1	49	14.22	14.17	14.35	14.13	14.14				
20	QPSK	1	99	13.87	13.92	13.96	13.94	13.87				
20	QPSK	50	0	14.05	14.06	14.22	14.09	14.12				
20	QPSK	50	24	14.07	14.08	14.15	14.13	14.09	15.3	0		
20	QPSK	50	50	14.03	13.98	14.05	13.97	13.95				
20	QPSK	100	0	14.05	14.02	14.15	14.07	14.09				
20	16QAM	1	0	14.03	14.00	14.10	14.04	14.06		15.3	0	
20	16QAM	1	49	14.05	14.06	14.16	14.09	14.12	15.3	0		
20	16QAM	1	99	13.91	13.92	14.01	13.89	13.93				
20	16QAM	50	0	14.00	14.06	14.12	14.07	14.04				
20	16QAM	50	24	14.07	14.08	14.14	14.11	14.10				
20	16QAM	50	50	13.92	13.93	14.03	13.94	13.92	13.3	2		
20	16QAM	100	0	14.04	14.07	14.12	14.08	14.10				
20	64QAM	1	0	13.95	13.99	14.01	13.93	13.89			15.3	0
20	64QAM	1	49	14.11	14.11	14.15	14.07	14.08				
20	64QAM	1	99	13.83	13.93	13.95	13.83	13.91				
20	64QAM	50	0	14.06	14.12	14.18	14.16	14.06	15.3	0		
20	64QAM	50	24	14.03	14.08	14.15	14.11	14.08				
20	64QAM	50	50	14.04	13.97	14.07	14.01	14.02				
20	64QAM	100	0	14.05	13.97	14.09	14.00	14.06				
Channel				39725	40173	40620	41068	41515	Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5				
15	QPSK	1	0	13.95	13.98	14.02	13.96	14.01	15.30	0		
15	QPSK	1	37	15.12	14.10	14.24	14.03	14.04				
15	QPSK	1	74	13.87	13.88	13.92	13.90	13.82				
15	QPSK	36	0	14.05	14.05	14.11	14.00	14.03				
15	QPSK	36	20	13.99	14.02	14.06	14.08	14.01	15.3	0		
15	QPSK	36	39	13.98	13.94	13.99	13.94	13.98				
15	QPSK	75	0	14.00	13.98	14.08	14.00	14.08				
15	16QAM	1	0	13.98	13.99	14.03	14.00	13.97			15.3	0
15	16QAM	1	37	13.96	14.06	14.07	14.01	14.11				
15	16QAM	1	74	13.83	13.83	13.98	13.83	13.88				
15	16QAM	36	0	13.94	14.03	14.04	14.00	14.04				
15	16QAM	36	20	14.07	14.00	14.07	14.02	14.06	13.3	2		
15	16QAM	36	39	13.82	13.90	13.95	13.89	13.83				
15	16QAM	75	0	14.01	14.06	14.02	14.06	14.10				
15	64QAM	1	0	13.89	13.90	13.93	13.83	13.89			15.3	0
15	64QAM	1	37	14.06	14.08	14.12	13.98	14.08				
15	64QAM	1	74	13.83	13.88	13.86	13.73	13.81				
15	64QAM	36	0	13.99	14.04	14.14	14.15	14.03	15.3	0		
15	64QAM	36	20	13.99	14.06	14.13	14.03	14.02				
15	64QAM	36	39	14.03	13.87	14.02	13.95	13.93				
15	64QAM	75	0	14.03	13.89	14.03	13.98	14.06				
Channel				39700	40160	40620	41080	41540	Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				2501	2547	2593	2639	2685				
10	QPSK	1	0	13.94	13.92	13.97	13.93	14.00	15.30	0		
10	QPSK	1	25	14.16	14.09	14.15	14.06	14.10				
10	QPSK	1	49	13.81	13.83	13.93	13.91	13.86				
10	QPSK	25	0	14.02	13.95	14.06	14.02	14.03			15.3	0
10	QPSK	25	12	14.05	14.07	14.07	14.04	14.04				
10	QPSK	25	25	13.98	13.88	13.97	13.96	13.96				
10	QPSK	50	0	13.96	14.01	14.07	13.99	14.05	15.3	0		
10	16QAM	1	0	13.93	13.98	14.00	14.01	13.96				
10	16QAM	1	25	13.97	13.97	14.09	14.04	14.09				
10	16QAM	1	49	13.84	13.85	14.00	13.81	13.90			13.3	2
10	16QAM	25	0	13.95	14.01	14.10	13.98	13.94				
10	16QAM	25	12	14.00	13.97	14.04	14.04	14.04				
10	16QAM	25	25	13.83	13.89	14.01	13.85	13.89	15.3	0		
10	16QAM	50	0	13.97	13.99	14.03	14.03	14.04				
10	64QAM	1	0	13.85	13.84	13.90	13.91	13.87				
10	64QAM	1	25	14.07	14.00	14.09	13.99	14.05			15.3	0
10	64QAM	1	49	13.81	13.87	13.90	13.75	13.80				
10	64QAM	25	0	14.03	14.11	14.08	14.11	13.95				
10	64QAM	25	12	13.98	14.00	14.09	14.07	14.04	15.3	0		
10	64QAM	25	25	14.00	13.92	13.98	13.99	14.01				
10	64QAM	50	0	13.94	13.91	14.04	13.94	14.05				
Channel				39675	40148	40620	41093	41565			Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5				
5	QPSK	1	0	13.93	13.88	13.96	13.90	13.92	15.30	0		
5	QPSK	1	12	14.12	14.13	14.18	14.11	14.02				
5	QPSK	12	0	13.79	14.00	13.80	13.92	13.82				
5	QPSK	12	0	14.00	14.00	14.06	14.01	14.09			15.3	0
5	QPSK	12	7	13.96	14.03	14.12	14.01	14.01				
5	QPSK	12	13	13.99	13.86	13.98	13.86	13.90				
5	QPSK	25	0	13.93	14.00	14.07	13.95	14.02	15.3	0		
5	16QAM	1	0	14.00	13.93	14.00	14.00	14.00				
5	16QAM	1	12	13.96	13.96	14.14	14.02	14.08				
5	16QAM	1	24	13.86	13.86	13.99	13.78	13.90			13.3	2
5	16QAM	12	0	13.94	13.99	14.03	13.97	13.97				
5	16QAM	12	7	14.01	14.05	14.10	13.99	14.00				
5	16QAM	12	13	13.84	13.90	13.95	13.82	13.81	15.3	0		
5	16QAM	25	0	14.02	14.01	14.01	14.00	14.07				
5	64QAM	1	0	13.88	13.91	13.87	13.87	13.83				
5	64QAM	1	12	14.08	14.06	14.05	14.01	14.02			15.3	0
5	64QAM	1	24	13.77	13.87	13.85	13.71	13.83				
5	64QAM	12	0	14.03	14.07	14.12	14.11	13.99				
5	64QAM	12	7	13.99	14.02	14.08	14.05	14.05	15.3	0		
5	64QAM	12	13	13.98	13.91	14.03	13.94	13.94				
5	64QAM	25	0	13.93	13.89	14.02	13.95	14.01				



DSI 4 Power

Band 2_Ant14									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freqs	Power Mode Ch / Freqs	Power High Ch / Freqs	Turn-up (sec)	Turn-off (sec)	MFR (dB)
Channel									
Frequency (MHz)									
20	QPSK	1	0	19.28	19.33	19.21	20.5	0	
20	QPSK	1	49	19.28	19.33	19.30			
20	QPSK	1	99	19.17	19.24	19.20			
20	QPSK	50	0	19.12	19.32	19.15			
20	QPSK	50	24	19.26	19.33	19.21	20.5	0	
20	QPSK	50	50	19.26	19.32	19.27			
20	QPSK	100	0	19.26	19.33	19.12			
20	16QAM	1	0	19.30	19.43	19.38			
20	16QAM	1	49	19.36	19.30	19.31	20.5	0	
20	16QAM	1	99	19.21	19.33	19.28			
20	16QAM	50	0	19.30	19.32	19.25			
20	16QAM	50	24	19.14	19.25	19.20			
20	16QAM	50	50	19.24	19.31	19.26	20.5	0	
20	16QAM	100	0	19.26	19.31	19.23			
20	8QAM	1	0	19.25	19.37	19.30			
20	8QAM	1	49	19.31	19.41	19.35	20.5	0	
20	8QAM	1	99	19.27	19.29	19.17			
20	8QAM	50	0	19.28	19.33	19.26			
20	8QAM	50	24	19.30	19.37	19.30			
20	8QAM	50	50	19.27	19.33	19.32	20.5	0	
20	8QAM	100	0	19.19	19.29	19.21			
Channel									
Frequency (MHz)									
15	QPSK	1	0	19.22	19.28	19.21	20.5	0	
15	QPSK	1	37	19.24	19.40	19.20			
15	QPSK	1	74	19.07	19.14	19.20			
15	QPSK	36	0	19.10	19.32	19.10			
15	QPSK	36	20	19.20	19.30	19.18	20.5	0	
15	QPSK	36	36	19.24	19.26	19.24			
15	QPSK	75	0	19.20	19.29	19.02			
15	16QAM	1	0	19.24	19.34	19.26			
15	16QAM	1	37	19.31	19.31	19.28	20.5	0	
15	16QAM	1	74	19.14	19.33	19.24			
15	16QAM	36	0	19.26	19.31	19.24			
15	16QAM	36	20	19.26	19.29	19.12			
15	16QAM	36	36	19.14	19.26	19.23	20.5	0	
15	16QAM	75	0	19.26	19.26	19.16			
15	8QAM	1	0	19.15	19.28	19.21			
15	8QAM	1	37	19.22	19.40	19.25			
15	8QAM	1	74	19.17	19.42	19.10	20.5	0	
15	8QAM	36	0	19.20	19.25	19.16			
15	8QAM	36	20	19.20	19.27	19.28			
15	8QAM	36	36	19.27	19.31	19.14			
15	8QAM	75	0	19.19	19.25	19.10	20.5	0	
Channel									
Frequency (MHz)									
10	QPSK	1	0	19.26	19.29	19.13	20.5	0	
10	QPSK	1	25	19.26	19.47	19.16			
10	QPSK	1	49	19.26	19.21	19.08			
10	QPSK	25	0	19.04	19.26	19.10			
10	QPSK	25	12	19.18	19.25	19.16	20.5	0	
10	QPSK	25	25	19.16	19.24	19.16			
10	QPSK	50	0	19.20	19.24	19.06			
10	16QAM	1	0	19.27	19.32	19.32			
10	16QAM	1	25	19.26	19.36	19.26	20.5	0	
10	16QAM	1	49	19.16	19.21	19.21			
10	16QAM	50	0	19.26	19.25	19.23			
10	16QAM	50	12	19.08	19.22	19.08			
10	16QAM	25	25	19.13	19.26	19.21	20.5	0	
10	16QAM	50	0	19.26	19.25	19.23			
10	8QAM	1	0	19.15	19.25	19.25			
10	8QAM	1	25	19.21	19.31	19.32			
10	8QAM	1	49	19.21	19.25	19.19	20.5	0	
10	8QAM	25	0	19.24	19.26	19.17			
10	8QAM	25	12	19.28	19.34	19.24			
10	8QAM	25	25	19.21	19.27	19.19			
10	8QAM	50	0	19.19	19.25	19.19	20.5	0	
Channel									
Frequency (MHz)									
5	QPSK	1	0	19.17	19.25	19.15	20.5	0	
5	QPSK	1	12	19.26	19.36	19.16			
5	QPSK	1	24	19.16	19.12	19.06			
5	QPSK	12	0	19.02	19.06	19.00			
5	QPSK	12	7	19.24	19.29	19.07	20.5	0	
5	QPSK	12	14	19.24	19.24	19.04			
5	QPSK	25	0	19.24	19.19	19.00			
5	16QAM	1	0	19.26	19.29	19.24			
5	16QAM	1	12	19.26	19.26	19.26	20.5	0	
5	16QAM	1	24	19.24	19.21	19.21			
5	16QAM	12	0	19.18	19.24	19.13			
5	16QAM	12	7	19.00	19.20	19.09			
5	16QAM	12	14	19.08	19.20	19.12	20.5	0	
5	16QAM	25	0	19.21	19.19	19.15			
5	8QAM	1	0	19.14	19.24	19.20			
5	8QAM	1	12	19.21	19.32	19.25			
5	8QAM	1	13	19.23	19.23	19.23	20.5	0	
5	8QAM	12	0	19.20	19.25	19.16			
5	8QAM	12	7	19.00	19.26	19.19			
5	8QAM	12	14	19.08	19.23	19.15			
5	8QAM	25	0	19.10	19.21	19.19	20.5	0	
Channel									
Frequency (MHz)									
3	QPSK	1	0	19.17	19.23	19.14	20.5	0	
3	QPSK	1	8	19.28	19.36	19.08			
3	QPSK	1	14	19.06	19.12	19.14			
3	QPSK	8	0	19.07	19.22	19.06			
3	QPSK	8	4	19.14	19.23	19.12	20.5	0	
3	QPSK	8	7	19.21	19.19	19.19			
3	QPSK	15	0	19.20	19.22	19.02			
3	16QAM	1	0	19.26	19.26	19.26			
3	16QAM	8	0	19.30	19.26	19.23	20.5	0	
3	16QAM	8	4	19.07	19.11	19.10			
3	16QAM	8	7	19.17	19.20	19.21			
3	16QAM	15	0	19.21	19.22	19.04			
3	8QAM	1	0	19.14	19.23	19.19	20.5	0	
3	8QAM	1	8	19.22	19.32	19.31			
3	8QAM	1	14	19.16	19.22	19.19			
3	8QAM	8	0	19.20	19.25	19.16			
3	8QAM	8	4	19.16	19.23	19.17	20.5	0	
3	8QAM	8	7	19.23	19.23	19.15			
3	8QAM	15	0	19.08	19.24	19.08	20.5	0	
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	19.23	19.23	19.16	20.5	0	
1.4	QPSK	1	3	19.24	19.37	19.13			
1.4	QPSK	1	5	19.10	19.11	19.07			
1.4	QPSK	3	0	19.01	19.24	19.02			
1.4	QPSK	3	1	19.20	19.27	19.13	20.5	0	
1.4	QPSK	3	3	19.18	19.24	19.21			
1.4	QPSK	6	0	19.16	19.19	19.05			
1.4	16QAM	1	0	19.26	19.31	19.24			
1.4	16QAM	1	3	19.26	19.26	19.26	20.5	0	
1.4	16QAM	1	5	19.07	19.27	19.20			
1.4	16QAM	1	13	19.20	19.23	19.12			
1.4	16QAM	3	1	19.10	19.20	19.16			
1.4	16QAM	3	1	19.16	19.24	19.17	20.5	0	
1.4	16QAM	3	3	19.18	19.24	19.21			
1.4	16QAM	6	0	19.16	19.20	19.15			
1.4	8QAM	1	0	19.14	19.24	19.26			
1.4	8QAM	1	3	19.27	19.34	19.21	20.5	0	
1.4	8QAM	1	5	19.10	19.11	19.07			
1.4	8QAM	3	0	19.16	19.20	19.12			
1.4	8QAM	3	1	19.17	19.28	19.23			
1.4	8QAM	3	1	19.22	19.27	19.19	20.5	0	
1.4	8QAM	6	0	19.12	19.23	19.11			
1.4	8QAM	6	2	19.12	19.23	19.11			
1.4	8QAM	6	3	19.12	19.23	19.11			



Band 5_Ant11												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up Int. [dBm]	MPR [dB]				
Channel												
Frequency [MHz]												
10	QPSK	1	0	23.37	23.52	23.52	24.8	0				
10	QPSK	1	25	23.51	23.38	23.38						
10	QPSK	1	49	23.50	23.47	23.51						
10	QPSK	25	0	22.47	22.55	22.44						
10	QPSK	25	12	22.46	22.50	22.53	23.8	1				
10	QPSK	25	25	22.41	22.52	22.49						
10	QPSK	50	0	22.51	22.55	22.53						
10	16QAM	1	0	22.76	22.84	22.71						
10	16QAM	1	25	22.72	22.76	22.66	23.8	1				
10	16QAM	1	49	22.74	22.86	22.70						
10	16QAM	25	0	21.49	21.54	21.52						
10	16QAM	25	12	21.44	21.61	21.53						
10	16QAM	50	0	21.43	21.51	21.53	22.8	2				
10	16QAM	1	0	21.33	21.46	21.31						
10	16QAM	1	25	21.36	21.78	21.78						
10	16QAM	1	49	21.28	21.80	21.83						
10	16QAM	25	0	20.70	20.81	20.55	21.8	3				
10	16QAM	25	12	20.62	20.69	20.67						
10	16QAM	25	25	20.51	20.71	20.61						
10	16QAM	50	0	20.63	20.71	20.64						
Channel												
Power [dBm]												
5	QPSK	1	0	23.37	23.39	23.39	24.8	0				
5	QPSK	1	12	23.38	23.40	23.39						
5	QPSK	1	24	23.38	23.36	23.35						
5	QPSK	12	0	22.24	22.41	22.61						
5	QPSK	12	7	22.25	22.38	22.40	23.8	1				
5	QPSK	12	13	22.23	22.36	22.36						
5	QPSK	25	0	22.27	22.38	22.38						
5	16QAM	1	0	22.29	22.74	22.74						
5	16QAM	1	12	22.59	22.80	22.72	23.8	1				
5	16QAM	1	24	22.41	22.23	22.80						
5	16QAM	12	0	21.27	21.38	21.50						
5	16QAM	12	7	21.24	21.31	21.29						
5	16QAM	12	13	21.26	21.33	21.37	22.8	2				
5	16QAM	25	0	21.23	21.31	21.39						
5	16QAM	1	0	21.11	21.42	21.41						
5	16QAM	1	12	21.48	21.60	21.71						
5	16QAM	1	24	21.36	21.58	21.77	22.8	2				
5	16QAM	12	0	20.45	20.64	20.79						
5	16QAM	12	7	20.51	20.55	20.53						
5	16QAM	12	13	20.57	20.50	20.50						
5	16QAM	25	0	20.42	20.54	20.50	21.8	3				
Channel												
Power [dBm]												
3	QPSK	1	0	23.30	23.40	23.42	24.8	0				
3	QPSK	1	8	23.27	23.36	23.31						
3	QPSK	1	16	23.26	23.34	23.36						
3	QPSK	8	0	22.32	22.38	22.45						
3	QPSK	8	4	22.30	22.42	22.41	23.8	1				
3	QPSK	8	7	22.26	22.41	22.45						
3	QPSK	16	0	22.29	22.33	22.44						
3	16QAM	1	0	22.32	22.41	22.89						
3	16QAM	1	8	22.41	22.71	22.49	23.8	1				
3	16QAM	1	16	22.63	22.84	22.42						
3	16QAM	8	0	21.38	21.29	21.61						
3	16QAM	8	4	21.40	21.47	21.48						
3	16QAM	8	7	21.34	21.50	21.48	22.8	2				
3	16QAM	16	0	21.29	21.36	21.59						
3	16QAM	1	0	21.12	21.38	21.68						
3	16QAM	1	8	21.31	21.62	21.63						
3	16QAM	1	16	21.29	21.61	21.27	21.8	3				
3	16QAM	8	0	20.44	20.44	20.58						
3	16QAM	8	4	20.45	20.57	20.59						
3	16QAM	8	7	20.55	20.67	20.63						
Channel												
Power [dBm]												
1.4	QPSK	1	0	23.21	23.37	23.38	24.8	0				
1.4	QPSK	1	3	23.22	23.35	23.39						
1.4	QPSK	1	5	23.26	23.32	23.31						
1.4	QPSK	3	0	22.49	22.52	22.57						
1.4	QPSK	3	1	23.39	23.21	23.33	23.8	1				
1.4	QPSK	3	3	23.39	23.30	23.34						
1.4	QPSK	6	0	22.28	22.32	22.24						
1.4	16QAM	1	0	22.48	22.51	22.37						
1.4	16QAM	1	3	22.56	22.65	22.16	23.8	1				
1.4	16QAM	1	5	22.67	22.53	22.45						
1.4	16QAM	3	0	22.31	22.26	22.26						
1.4	16QAM	3	1	22.31	22.16	22.33						
1.4	16QAM	3	3	22.32	22.25	22.24	22.8	2				
1.4	16QAM	6	0	21.27	21.08	21.39						
1.4	16QAM	1	0	21.51	21.38	21.45						
1.4	16QAM	1	3	21.48	20.92	21.15						
1.4	16QAM	1	5	21.57	21.18	21.18	22.8	2				
1.4	16QAM	3	0	21.33	21.33	21.38						
1.4	16QAM	3	1	21.09	21.33	21.43						
1.4	16QAM	3	3	21.40	21.34	21.39						
1.4	16QAM	6	0	20.38	20.33	20.33	21.8	3				
Channel												
Power [dBm]												

Band 5_Ant41												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up Int. [dBm]	MPR [dB]				
Channel												
Frequency [MHz]												
10	QPSK	1	0	23.48	23.65	23.54	24.8	0				
10	QPSK	1	25	23.27	23.37	23.44						
10	QPSK	1	49	23.48	23.58	23.59						
10	QPSK	25	0	22.52	22.51	22.52						
10	QPSK	25	12	22.5	22.51	22.58	23.8	1				
10	QPSK	25	25	22.49	22.55	22.57						
10	QPSK	50	0	22.25	22.28	22.57						
10	16QAM	1	0	22.84	22.86	22.61						
10	16QAM	1	25	22.68	22.68	22.6	23.8	1				
10	16QAM	1	49	22.79	22.91	22.86						
10	16QAM	25	0	21.55	21.52	21.45						
10	16QAM	25	12	21.49	21.47	21.56						
10	16QAM	25	25	21.48	21.58	21.55	22.8	2				
10	16QAM	50	0	21.54	21.59	21.53						
10	16QAM	1	0	21.37	21.68	21.82						
10	16QAM	1	25	21.54	21.75	21.36						
10	16QAM	1	49	21.49	21.4	21.36	21.8	3				
10	16QAM	25	0	20.6	20.7	20.8						
10	16QAM	25	12	20.67	20.7	20.8						
10	16QAM	25	25	20.63	20.73	20.71						
10	16QAM	50	0	20.61	20.7	20.71	20.8					
Channel												
Power [dBm]												
5	QPSK	1	0	23.53	23.63	23.41	24.8	0				
5	QPSK	1	12	23.53	23.58	23.63						
5	QPSK	1	24	23.56	23.48	23.45						
5	QPSK	12	0	22.33	22.39	22.51						
5	QPSK	12	7	22.37	22.38	22.45	23.8	1				
5	QPSK	12	13	22.20	22.33	22.36						
5	QPSK	25	0	22.31	22.40	22.49						
5	16QAM	1	0	22.39	22.79	22.79						
5	16QAM	1	12	22.64	22.68	22.75	22.8	2				
5	16QAM	1	24	22	22.1	22.1						
5	16QAM	12	0	21.31	21.40	21.52						
5	16QAM	12	7	21.19	21.31	21.32						
5	16QAM	12	13	20.99	21.11	21.12	21.8	3				
5	16QAM	25	0	21.25	21.45	21.43						
5	16QAM	1	0	21.31	21.38	21.68						
5	16QAM	1	12	21.31	21.38	21.68						
5	16QAM	1	24	21.34	21.64	21.49	22.8	2				
5	16QAM	12	0	20.47	20.48	20.53						
5	16QAM	12	7	20.46	20.54	20.54						
5	16QAM	12	13	20.45	20.45	20.53						
5	16QAM	25	0	20.48	20.51	20.56	21.8					
Channel												
Power [dBm]												
3	QPSK	1	0	23.58	23.44	23.59	24.8	0				
3	QPSK	1	8	23.39	23.33	23.41						
3	QPSK	1	14	23.32	23.38	23.41						
3	QPSK	8	0	22.34	22.34	22.40						
3	QPSK	8	7	22.32	22.34	22.41	23.8	1				
3	QPSK	8	7	22.33	22.40	22.45						
3	QPSK	15	0	22.28	22.28	22.42						
3	16QAM	1	0	22.78	22.48	22.42						
3	16QAM	1	8	22.45	22.59	22.59	23.8	1				
3	16QAM	1	14	22.65	22.72	22.79						
3	16QAM	8	0	21.36	21.36	21.59						
3	16QAM	8	7	21.4	21.36	21.59						
3	16QAM	8	7	21.2	21.44	21.41	22.8	2				
3	16QAM	15	0	21.35	21.49	21.59						
3	16QAM	1	0	21.32	21.48	21.59						
3	16QAM	1	8	21.46	21.62	21.61						
3	16QAM	1	14	21.38	21.61	21.57	21.8	3				
3	16QAM	1	14	21.38	21.61	21.57						
3	16QAM	8	4	20.63	20.45	20.61						
3	16QAM	8	7	20.62	20.47	20.58						
3	16QAM	15	0	20.39	20.47	20.63	20.8					
Channel												
Power [dBm]												
1.4	QPSK	1	0	23.47	23.65	23.43	24.8	0				
1.4	QPSK	1	3	23.46	23.55	23.44						
1.4	QPSK	1	23	23.26	23.35	23.44						
1.4	QPSK	3	0	22.31	22.45	22.45						
1.4	QPSK	3	1	22.33	22.33	22.33	23.8	1				
1.4	QPSK	3	1	22.34	22.37	22.37						
1.4	QPSK	6	0	22.29	22.37	22.45						
1.4	16QAM	1	0	22.51	22.70	22.79						
1.4	16QAM	1	3	22.51	22.53	22.44	23.8	1				
1.4	16QAM	1	23	22.34	22.44	22.45						
1.4	16QAM	3	0	22.37	22.32	22.45						
1.4	16QAM	3	1	22.41	22.45	22.45						
1.4	16QAM	3	1	22.41	22.45	22.45	22.8	2				
1.4	16QAM	6	0	21.34	21.46	21.38						
1.4	16QAM	6	0	21.45	21.61	21.23						
1.4	16QAM	6	3	21.57	21.69	21.38						
1.4	16QAM	3	1	21.34	21.34	21.39	21.8	3				
1.4	16QAM	3	6	21.45	21.59	21.59						
1.4	16QAM	3	1	21.36	21.38	21.57						
1.4	16QAM	3	1	21.36	21.42	21.56						
1.4	16QAM	6	0	20.41	20.54	20.52	21.8					
1.4	16QAM	6	0	20.41	20.54	20.52						
1.4	16QAM	6	0	20.41	20.54	20.52						

Band 66_Ant14									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F (MHz)	Power Modulo Ch. F (MHz)	Power High Ch. F (MHz)	Tune-up Int. (dB)	MPE (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	19.44	19.49	19.59	20.5	0	
20	QPSK	1	40	19.37	19.51	19.41			
20	QPSK	1	80	19.40	19.48	19.46			
20	QPSK	50	0	19.28	19.59	19.42			
20	QPSK	50	24	19.47	19.52	19.45	20.5	0	
20	QPSK	50	36	19.45	19.54	19.47			
20	QPSK	100	0	19.30	19.55	19.39			
20	16QAM	1	0	19.63	19.53	19.53			
20	16QAM	1	40	19.46	19.56	19.48	20.5	0	
20	16QAM	1	80	19.41	19.52	19.45			
20	16QAM	50	0	19.46	19.57	19.45			
20	16QAM	50	24	19.51	19.55	19.46			
20	16QAM	50	36	19.47	19.50	19.43	20.5	0	
20	16QAM	100	0	19.54	19.57	19.46			
20	84QAM	1	0	19.41	19.52	19.41			
20	84QAM	1	40	19.49	19.57	19.45	20.5	0	
20	84QAM	1	80	19.35	19.47	19.40			
20	84QAM	50	0	19.44	19.58	19.45			
20	84QAM	50	24	19.49	19.61	19.63			
20	84QAM	50	36	19.46	19.54	19.48	20.5	0	
20	84QAM	100	0	19.45	19.56	19.49			
Channel									
Frequency (MHz)									
15	QPSK	1	0	19.39	19.44	19.39	20.5	0	
15	QPSK	1	37	19.29	19.57	19.39			
15	QPSK	1	74	19.35	19.44	19.29			
15	QPSK	36	0	19.24	19.53	19.36			
15	QPSK	36	20	19.48	19.48	19.45	20.5	0	
15	QPSK	36	36	19.38	19.48	19.37			
15	QPSK	75	0	19.20	19.54	19.35			
15	16QAM	1	0	19.43	19.53	19.43			
15	16QAM	1	37	19.42	19.49	19.47	20.5	0	
15	16QAM	1	74	19.41	19.51	19.36			
15	16QAM	36	0	19.38	19.45	19.41			
15	16QAM	36	20	19.41	19.55	19.44			
15	16QAM	36	36	19.45	19.50	19.35	20.5	0	
15	16QAM	75	0	19.63	19.51	19.45			
15	84QAM	1	0	19.36	19.56	19.36			
15	84QAM	1	37	19.42	19.49	19.37	20.5	0	
15	84QAM	1	74	19.23	19.37	19.32			
15	84QAM	36	0	19.43	19.47	19.43			
15	84QAM	36	20	19.41	19.41	19.41			
15	84QAM	36	36	19.42	19.48	19.47	20.5	0	
15	84QAM	75	0	19.38	19.49	19.44			
Channel									
Frequency (MHz)									
10	QPSK	1	0	19.38	19.44	19.35	20.5	0	
10	QPSK	1	20	19.31	19.51	19.33			
10	QPSK	1	40	19.32	19.44	19.32			
10	QPSK	25	0	19.24	19.46	19.29			
10	QPSK	25	12	19.38	19.45	19.38	20.5	0	
10	QPSK	25	25	19.43	19.52	19.36			
10	QPSK	50	0	19.21	19.44	19.34			
10	16QAM	1	0	19.44	19.48	19.43			
10	16QAM	1	20	19.44	19.49	19.45	20.5	0	
10	16QAM	1	40	19.37	19.41	19.40			
10	16QAM	25	0	19.43	19.53	19.41			
10	16QAM	25	12	19.47	19.47	19.37			
10	16QAM	25	25	19.40	19.41	19.32	20.5	0	
10	16QAM	50	0	19.48	19.47	19.44			
10	84QAM	1	0	19.30	19.48	19.35			
10	84QAM	1	20	19.37	19.53	19.42	20.5	0	
10	84QAM	1	40	19.23	19.40	19.32			
10	84QAM	25	0	19.34	19.53	19.25			
10	84QAM	25	12	19.47	19.58	19.45		20.5	0
10	84QAM	25	25	19.43	19.47	19.45			
10	84QAM	50	0	19.35	19.48	19.35			
Channel									
Frequency (MHz)									
5	QPSK	1	0	19.32	19.38	19.33	20.5	0	
5	QPSK	1	10	19.31	19.39	19.31			
5	QPSK	1	20	19.32	19.35	19.30			
5	QPSK	12	0	19.21	19.49	19.34			
5	QPSK	12	7	19.39	19.46	19.31	20.5	0	
5	QPSK	12	14	19.30	19.47	19.43			
5	QPSK	25	0	19.19	19.48	19.34			
5	16QAM	1	0	19.46	19.47	19.44			
5	16QAM	12	0	19.40	19.49	19.45	20.5	0	
5	16QAM	1	24	19.27	19.45	19.24			
5	16QAM	12	0	19.37	19.45	19.36			
5	16QAM	12	7	19.37	19.45	19.32			
5	16QAM	12	14	19.37	19.42	19.34	20.5	0	
5	16QAM	25	0	19.49	19.47	19.42			
5	84QAM	1	0	19.36	19.45	19.27			
5	84QAM	1	12	19.44	19.44	19.31	20.5	0	
5	84QAM	1	24	19.29	19.35	19.29			
5	84QAM	12	0	19.40	19.51	19.36			
5	84QAM	12	7	19.35	19.53	19.41		20.5	0
5	84QAM	12	14	19.41	19.41	19.44			
5	84QAM	25	0	19.31	19.44	19.39			
Channel									
Frequency (MHz)									
3	QPSK	1	0	19.32	19.43	19.32	20.5	0	
3	QPSK	1	8	19.27	19.57	19.39			
3	QPSK	1	14	19.35	19.34	19.34			
3	QPSK	8	0	19.15	19.42	19.38			
3	QPSK	8	4	19.40	19.48	19.33	20.5	0	
3	QPSK	8	7	19.41	19.50	19.37			
3	QPSK	15	0	19.24	19.51	19.25			
3	16QAM	1	0	19.41	19.59	19.43			
3	16QAM	1	8	19.35	19.41	19.43	20.5	0	
3	16QAM	1	14	19.31	19.43	19.39			
3	16QAM	8	0	19.40	19.43	19.38			
3	16QAM	8	4	19.47	19.45	19.38		20.5	0
3	16QAM	8	7	19.34	19.38	19.33			
3	16QAM	15	0	19.43	19.49	19.39			
3	84QAM	1	0	19.33	19.49	19.31	20.5	0	
3	84QAM	1	8	19.41	19.51	19.35			
3	84QAM	1	14	19.20	19.39	19.35			
3	84QAM	8	0	19.32	19.46	19.34		20.5	0
3	84QAM	8	4	19.41	19.50	19.45			
3	84QAM	8	7	19.45	19.43	19.36			
3	84QAM	15	0	19.37	19.45	19.40			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	19.38	19.44	19.33	20.5	0	
1.4	QPSK	1	3	19.23	19.53	19.31			
1.4	QPSK	1	5	19.28	19.39	19.26			
1.4	QPSK	3	0	19.20	19.50	19.31			
1.4	QPSK	3	1	19.41	19.47	19.32	20.5	0	
1.4	QPSK	3	3	19.38	19.44	19.38			
1.4	QPSK	8	0	19.23	19.48	19.28			
1.4	16QAM	1	0	19.48	19.52	19.43		20.5	0
1.4	16QAM	1	3	19.32	19.48	19.39			
1.4	16QAM	1	5	19.37	19.43	19.34			
1.4	16QAM	3	0	19.38	19.53	19.33			
1.4	16QAM	3	1	19.45	19.48	19.41	20.5	0	
1.4	16QAM	3	3	19.40	19.45	19.39			

Band 38_Ant31									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	22.63	22.55	22.57	23.8	0	
20	QPSK	1	49	22.93	22.87	22.86			
20	QPSK	1	99	22.70	22.64	22.67			
20	QPSK	50	0	22.83	22.81	22.74	23.8	0	
20	QPSK	50	24	22.81	22.72	22.79			
20	QPSK	50	50	22.71	22.67	22.66			
20	QPSK	100	0	22.79	22.73	22.74	23.8	0	
20	16QAM	1	0	22.75	22.63	22.71			
20	16QAM	1	49	22.91	22.79	22.81			
20	16QAM	1	99	22.77	22.70	22.71	22.8	1	
20	16QAM	50	0	21.77	21.67	21.73			
20	16QAM	50	24	21.78	21.73	21.71			
20	16QAM	50	50	21.70	21.66	21.59	22.8	1	
20	16QAM	100	0	21.76	21.69	21.70			
20	64QAM	1	0	21.63	21.60	21.54			
20	64QAM	1	49	21.81	21.72	21.70	22.8	1	
20	64QAM	1	99	21.63	21.53	21.54			
20	64QAM	50	0	20.93	20.85	20.83			
20	64QAM	50	24	20.91	20.88	20.80	21.8	2	
20	64QAM	50	50	20.86	20.74	20.77			
20	64QAM	100	0	20.88	20.76	20.84			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	22.51	22.48	22.51	23.8	0	
15	QPSK	1	37	22.84	22.78	22.84			
15	QPSK	1	74	22.62	22.52	22.57			
15	QPSK	36	0	22.71	22.77	22.62	23.8	0	
15	QPSK	36	20	22.70	22.80	22.67			
15	QPSK	36	39	22.69	22.55	22.59			
15	QPSK	75	0	22.75	22.71	22.67	23.8	0	
15	16QAM	1	0	22.67	22.59	22.68			
15	16QAM	1	37	22.79	22.72	22.71			
15	16QAM	1	74	22.75	22.64	22.66	22.8	1	
15	16QAM	36	0	21.72	21.61	21.64			
15	16QAM	36	20	21.75	21.67	21.69			
15	16QAM	36	39	21.67	21.64	21.52	22.8	1	
15	16QAM	75	0	21.71	21.66	21.59			
15	64QAM	1	0	21.60	21.56	21.43			
15	64QAM	1	37	21.70	21.61	21.63	22.8	1	
15	64QAM	1	74	21.60	21.41	21.51			
15	64QAM	36	0	20.90	20.82	20.77			
15	64QAM	36	20	20.86	20.78	20.70	21.8	2	
15	64QAM	36	39	20.81	20.72	20.69			
15	64QAM	75	0	20.80	20.66	20.82			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	22.55	22.45	22.47	23.8	0	
10	QPSK	1	25	22.84	22.81	22.75			
10	QPSK	1	49	22.63	22.58	22.63			
10	QPSK	25	0	22.72	22.77	22.69	23.8	0	
10	QPSK	25	12	22.73	22.68	22.75			
10	QPSK	25	25	22.66	22.58	22.63			
10	QPSK	50	0	22.76	22.68	22.62	23.8	0	
10	16QAM	1	0	22.67	22.51	22.59			
10	16QAM	1	25	22.80	22.74	22.79			
10	16QAM	1	49	22.68	22.67	22.67	22.8	1	
10	16QAM	25	0	21.73	21.56	21.63			
10	16QAM	25	12	21.68	21.64	21.68			
10	16QAM	25	25	21.63	21.61	21.55	22.8	1	
10	16QAM	50	0	21.67	21.63	21.58			
10	64QAM	1	0	21.60	21.46	21.46			
10	64QAM	1	25	21.76	21.61	21.65	22.8	1	
10	64QAM	1	49	21.51	21.42	21.43			
10	64QAM	25	0	20.83	20.79	20.77			
10	64QAM	25	12	20.87	20.81	20.76	21.8	2	
10	64QAM	25	25	20.82	20.72	20.71			
10	64QAM	50	0	20.79	20.73	20.75			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	22.57	22.43	22.43	23.8	0	
5	QPSK	1	12	22.88	22.77	22.79			
5	QPSK	1	24	22.63	22.60	22.56			
5	QPSK	12	0	22.78	22.68	22.66	23.8	0	
5	QPSK	12	7	22.74	22.59	22.67			
5	QPSK	12	13	22.67	22.53	22.57			
5	QPSK	25	0	22.72	22.64	22.63	23.8	0	
5	16QAM	1	0	22.61	22.51	22.66			
5	16QAM	1	12	22.82	22.69	22.77			
5	16QAM	1	24	22.65	22.59	22.63	22.8	1	
5	16QAM	12	0	21.70	21.58	21.61			
5	16QAM	12	7	21.67	21.64	21.66			
5	16QAM	12	13	21.57	21.54	21.52	22.8	1	
5	16QAM	25	0	21.65	21.55	21.58			
5	64QAM	1	0	21.50	21.56	21.47			
5	64QAM	1	12	21.77	21.64	21.64	22.8	1	
5	64QAM	1	24	21.54	21.42	21.41			
5	64QAM	12	0	20.86	20.81	20.72			
5	64QAM	12	7	20.83	20.81	20.70	21.8	2	
5	64QAM	12	13	20.82	20.67	20.72			
5	64QAM	25	0	20.74	20.72	20.76			

Band 38_Ant14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	22.02	21.99	21.95	23.3	0	
20	QPSK	1	49	22.33	22.19	22.19			
20	QPSK	1	99	22.22	22.15	22.17			
20	QPSK	50	0	22.19	22.15	22.07	23.3	0	
20	QPSK	50	24	22.15	22.10	22.11			
20	QPSK	50	50	22.11	22.08	22.08			
20	QPSK	100	0	22.19	22.12	22.11	23.3	0	
20	16QAM	1	0	22.22	22.17	22.20			
20	16QAM	1	49	22.19	22.11	22.16			
20	16QAM	1	99	22.21	22.18	22.19	22.8	0.5	
20	16QAM	50	0	21.52	21.50	21.48			
20	16QAM	50	24	21.55	21.46	21.45			
20	16QAM	50	50	21.45	21.38	21.39	22.8	0.5	
20	16QAM	100	0	21.46	21.37	21.38			
20	64QAM	1	0	21.11	21.07	21.02			
20	64QAM	1	49	21.30	21.25	21.19	22.8	0.5	
20	64QAM	1	99	21.12	21.05	21.09			
20	64QAM	50	0	20.68	20.58	20.59			
20	64QAM	50	24	20.69	20.64	20.65	21.8	1.5	
20	64QAM	50	50	20.64	20.61	20.54			
20	64QAM	100	0	20.68	20.56	20.64			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	21.90	21.88	21.88	23.3	0	
15	QPSK	1	37	22.25	22.15	22.09			
15	QPSK	1	74	22.20	22.06	22.08			
15	QPSK	36	0	22.15	22.07	22.02	23.3	0	
15	QPSK	36	20	22.03	22.07	22.09			
15	QPSK	36	39	22.08	21.99	22.06			
15	QPSK	75	0	22.13	22.03	22.06	23.3	0	
15	16QAM	1	0	22.17	22.11	22.12			
15	16QAM	1	37	22.17	22.09	22.08			
15	16QAM	1	74	22.17	22.16	22.11	22.8	0.5	
15	16QAM	36	0	21.48	21.42	21.41			
15	16QAM	36	20	21.43	21.40	21.35			
15	16QAM	36	39	21.41	21.30	21.37	22.8	0.5	
15	16QAM	75	0	21.34	21.27	21.36			
15	16QAM	1	0	21.03	21.04	20.99			
15	64QAM	1	37	21.24	21.17	21.13	22.8	0.5	
15	64QAM	1	74	21.05	21.02	21.02			
15	64QAM	36	0	20.56	20.50	20.47			
15	64QAM	36	20	20.64	20.52	20.54	21.8	1.5	
15	64QAM	36	39	20.61	20.55	20.49			
15	64QAM	75	0	20.58	20.49	20.61			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	21.94	21.92	21.85	23.3	0	
10	QPSK	1	25	22.19	22.09	22.07			
10	QPSK	1	49	22.18	22.04	22.07			
10	QPSK	25	0	22.11	22.03	21.95	23.3	0	
10	QPSK	25	12	22.01	21.98	21.98			
10	QPSK	25	25	21.99	21.96	21.96			
10	QPSK	50	0	22.07	22.02	22.01	23.3	0	
10	16QAM	1	0	22.12	22.03	22.13			
10	16QAM	1	25	22.06	22.01	22.03			
10	16QAM	1	49	22.13	22.05	22.15	22.8	0.5	
10	16QAM	25	0	21.41	21.43	21.44			
10	16QAM	25	12	21.46	21.37	21.35			
10	16QAM	25	25	21.40	21.33	21.34	22.8	0.5	
10	16QAM	50	0	21.41	21.25	21.26			
10	16QAM	1	0	21.04	20.99	20.98			
10	64QAM	1	25	21.17	21.12	21.13	22.8	0.5	
10	64QAM	1	49	21.03	20.93	20.95			
10	64QAM	25	0	20.57	20.48	20.46			
10	64QAM	25	12	20.60	20.50	20.53	21.8	1.5	
10	64QAM	25	25	20.59	20.50	20.45			
10	64QAM	50	0	20.62	20.52	20.53			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	21.93	21.92	21.87	23.3	0	
5	QPSK	1	12	22.26	22.15	22.06			
5	QPSK	1	24	22.10	22.10	22.03			
5	QPSK	12	0	22.06	22.11	21.94	23.3	0	
5	QPSK	12	7	22.08	22.03	22.05			
5	QPSK	12	13	22.00	21.97	21.96			
5	QPSK	25	0	22.10	22.01	22.07	23.3	0	
5	16QAM	1	0	22.10	22.09	22.08			
5	16QAM	1	12	22.11	21.99	22.09			
5	16QAM	1	24	22.12	22.07	22.06	22.8	0.5	
5	16QAM	12	0	21.42	21.37	21.39			
5	16QAM	12	7	21.44	21.38	21.33			
5	16QAM	12	13	21.31	21.27	21.30	22.8	0.5	
5	16QAM	25	0	21.32	21.32	21.28			
5	64QAM	1	0	20.99	20.96	20.90			
5	64QAM	1	12	21.24	21.13	21.15	22.8	0.5	
5	64QAM	1	24	21.08	21.01	21.03			
5	64QAM	12	0	20.55	20.48	20.47			
5	64QAM	12	7	20.63	20.50	20.53	21.8	1.5	
5	64QAM	12	13	20.55	20.51	20.42			
5	64QAM	25	0	20.55	20.43	20.55			

Band 41_Ant31											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620	41055	41490			
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	22.60	22.67	22.72	22.61	22.64	23.8	0	
20	QPSK	1	49	22.66	22.64	22.61	22.63	22.66			
20	QPSK	1	99	22.68	22.63	22.71	22.59	22.63			
20	QPSK	50	0	22.73	22.62	22.93	22.85	22.91	23.8	0	
20	QPSK	50	24	22.88	22.87	22.91	22.86	22.87			
20	QPSK	50	50	22.76	22.71	22.78	22.67	22.66			
20	QPSK	100	0	22.81	22.80	22.94	22.83	22.93	23.8	0	
20	16QAM	1	0	22.79	22.76	22.87	22.84	22.81			
20	16QAM	1	49	22.95	22.89	23.00	22.89	22.89			
20	16QAM	1	99	22.71	22.78	22.81	22.73	22.71	22.8	1	
20	16QAM	50	0	21.86	21.85	21.88	21.85	21.81			
20	16QAM	50	24	21.82	21.86	21.89	21.79	21.79			
20	16QAM	50	50	21.74	21.72	21.78	21.75	21.76	22.8	0	
20	16QAM	100	0	21.77	21.74	21.81	21.69	21.72			
20	64QAM	1	0	21.71	21.70	21.77	21.69	21.65			
20	64QAM	1	49	21.76	21.83	21.88	21.84	21.78	22.8	1	
20	64QAM	1	99	21.67	21.63	21.70	21.65	21.60			
20	64QAM	50	0	21.00	21.02	21.08	20.96	21.05			
20	64QAM	50	24	21.01	21.01	21.06	21.01	20.98	21.8	2	
20	64QAM	50	50	20.89	20.91	20.95	20.91	20.83			
20	64QAM	100	0	20.87	20.83	20.95	20.83	20.93			
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2548.3	2593	2637.5	2682.5			
15	QPSK	1	0	22.51	22.58	22.60	22.55	22.56	23.80	0	
15	QPSK	1	37	22.83	22.72	22.97	22.87	22.89			
15	QPSK	1	74	22.60	22.54	22.69	22.50	22.59			
15	QPSK	36	0	22.64	22.75	22.86	22.77	22.89	23.8	0	
15	QPSK	36	20	22.86	22.78	22.82	22.81	22.85			
15	QPSK	36	39	22.71	22.63	22.66	22.58	22.60			
15	QPSK	75	0	22.69	22.77	22.90	22.77	22.90	23.8	0	
15	16QAM	1	0	22.74	22.73	22.81	22.75	22.76			
15	16QAM	1	37	22.89	22.85	22.93	22.87	22.86			
15	16QAM	1	74	22.62	22.73	22.73	22.66	22.67	22.8	1	
15	16QAM	36	0	21.84	21.78	21.80	21.82	21.74			
15	16QAM	36	20	21.72	21.76	21.79	21.75	21.70			
15	16QAM	36	39	21.72	21.62	21.67	21.68	21.64	22.8	1	
15	16QAM	75	0	21.68	21.71	21.79	21.62	21.64			
15	64QAM	1	0	21.68	21.67	21.74	21.57	21.54			
15	64QAM	1	37	21.69	21.71	21.84	21.61	21.69	22.8	1	
15	64QAM	1	74	21.55	21.54	21.64	21.59	21.49			
15	64QAM	36	0	20.98	20.93	20.96	20.86	21.00			
15	64QAM	36	20	20.93	20.97	20.97	20.89	20.89	21.8	2	
15	64QAM	36	39	20.84	20.86	20.90	20.81	20.75			
15	64QAM	75	0	20.80	20.72	20.86	20.74	20.86			
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501	2547	2593	2639	2685			
10	QPSK	1	0	22.48	22.59	22.60	22.53	22.59	23.80	0	
10	QPSK	1	25	22.80	22.80	22.95	22.83	22.82			
10	QPSK	1	49	22.54	22.52	22.64	22.54	22.53			
10	QPSK	25	0	22.61	22.76	22.80	22.75	22.79	23.8	0	
10	QPSK	25	12	22.76	22.62	22.82	22.73	22.79			
10	QPSK	25	25	22.70	22.64	22.64	22.63	22.60			
10	QPSK	50	0	22.67	22.76	22.88	22.78	22.85	23.8	0	
10	16QAM	1	0	22.72	22.70	22.79	22.71	22.69			
10	16QAM	1	25	22.90	22.77	22.95	22.76	22.75			
10	16QAM	1	49	22.63	22.71	22.67	22.64	22.58	22.8	1	
10	16QAM	25	0	21.73	21.78	21.82	21.74	21.74			
10	16QAM	25	12	21.76	21.72	21.75	21.71	21.67			
10	16QAM	25	25	21.68	21.67	21.68	21.71	21.70	22.8	1	
10	16QAM	50	0	21.65	21.69	21.67	21.65	21.65			
10	64QAM	1	0	21.58	21.60	21.65	21.58	21.55			
10	64QAM	1	25	21.69	21.74	21.79	21.70	21.72	22.8	1	
10	64QAM	1	49	21.61	21.58	21.61	21.56	21.49			
10	64QAM	25	0	20.95	20.88	21.02	20.82	20.95			
10	64QAM	25	12	20.91	20.97	20.93	20.92	20.92	21.8	2	
10	64QAM	25	25	20.75	20.80	20.90	20.77	20.69			
10	64QAM	50	0	20.76	20.74	20.85	20.78	20.80			
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5			
5	QPSK	1	0	22.51	22.58	22.67	22.51	22.57	23.80	0	
5	QPSK	1	12	22.74	22.78	22.97	22.87	22.86			
5	QPSK	1	24	22.64	22.49	22.61	22.50	22.55			
5	QPSK	12	0	22.65	22.72	22.87	22.79	22.84	23.8	0	
5	QPSK	12	7	22.76	22.75	22.81	22.80	22.82			
5	QPSK	12	13	22.68	22.62	22.67	22.58	22.60			
5	QPSK	25	0	22.70	22.75	22.87	22.74	22.87	23.8	0	
5	16QAM	1	0	22.73	22.63	22.83	22.77	22.70			
5	16QAM	1	12	22.86	22.84	22.91	22.79	22.82			
5	16QAM	1	24	22.57	22.70	22.75	22.69	22.65	22.8	1	
5	16QAM	12	0	21.79	21.73	21.82	21.75	21.69			
5	16QAM	12	7	21.69	21.61	21.82	21.73	21.66			
5	16QAM	12	13	21.62	21.61	21.72	21.66	21.62	22.8	0.5	
5	16QAM	25	0	21.72	21.68	21.74	21.58	21.65			
5	64QAM	1	0	21.66	21.62	21.64	21.62	21.61			
5	64QAM	1	12	21.71	21.77	21.74	21.72	21.67	22.8	1	
5	64QAM	1	24	21.53	21.51	21.64	21.53	21.54			
5	64QAM	12	0	20.93	20.89	21.02	20.88	20.97			
5	64QAM	12	7	20.92	20.90	21.02	20.93	20.91	21.8	2	
5	64QAM	12	13	20.77	20.84	20.91	20.82	20.73			
5	64QAM	25	0	20.74	20.70	20.86	20.74	20.83			

Band 41_Ant14											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				39750	40185	40620	41055	41490			
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	21.90	21.90	22.09	22.00	21.94	23.3	0	
20	QPSK	1	49	22.23	22.20	22.35	22.22	22.28			
20	QPSK	1	99	21.97	21.93	22.02	21.90	21.90			
20	QPSK	50	0	22.12	22.15	22.28	22.19	22.18	23.3	0	
20	QPSK	50	24	22.07	22.07	22.17	22.07	22.09			
20	QPSK	50	50	22.06	22.02	22.08	22.04	21.97			
20	QPSK	100	0	22.15	22.16	22.23	22.16	22.21	23.3	0	
20	16QAM	1	0	22.16	22.15	22.18	22.13	22.16			
20	16QAM	1	49	22.19	22.21	22.31	22.29	22.24			
20	16QAM	1	99	22.01	22.00	22.09	21.97	22.04	22.8	0.5	
20	16QAM	50	0	21.60	21.66	21.70	21.67	21.67			
20	16QAM	50	24	21.58	21.60	21.66	21.60	21.55			
20	16QAM	50	50	21.47	21.51	21.57	21.46	21.52	21.8	1.5	
20	16QAM	100	0	21.45	21.44	21.55	21.50	21.53			
20	64QAM	1	0	21.56	21.64	21.67	21.56	21.55			
20	64QAM	1	49	21.59	21.56	21.66	21.59	21.67	22.8	0.5	
20	64QAM	1	99	21.66	21.62	21.71	21.69	21.67			
20	64QAM	50	0	20.84	20.80	20.89	20.83	20.87			
20	64QAM	50	24	20.74	20.78	20.85	20.73	20.75	21.8	1.5	
20	64QAM	50	50	20.66	20.66	20.75	20.65	20.71			
20	64QAM	100	0	20.70	20.71	20.80	20.73	20.68			
Channel				39725	40173	40620	41068	41515	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5			
15	QPSK	1	0	21.82	21.86	21.99	21.93	21.85	23.30	0	
15	QPSK	1	37	22.20	22.18	22.29	22.10	22.17			
15	QPSK	1	74	21.90	21.82	21.95	21.82	21.83			
15	QPSK	36	0	22.01	22.09	22.17	22.13	22.05	23.3	0	
15	QPSK	36	20	21.86	22.01	22.05	21.94	21.95			
15	QPSK	36	39	22.02	21.99	22.02	21.91	21.89			
15	QPSK	75	0	22.13	22.06	22.14	22.12	22.09	23.3	0	
15	16QAM	1	0	22.12	22.04	22.15	22.03	22.03			
15	16QAM	1	37	22.14	22.09	22.20	22.15	22.16			
15	16QAM	1	74	21.94	21.97	22.00	21.91	21.94	22.8	0.5	
15	16QAM	36	0	21.58	21.54	21.64	21.63	21.63			
15	16QAM	36	20	21.50	21.55	21.56	21.55	21.46			
15	16QAM	36	39	21.41	21.46	21.50	21.33	21.38	22.8	0.5	
15	16QAM	75	0	21.40	21.35	21.44	21.46	21.48			
15	64QAM	1	0	21.54	21.60	21.56	21.45	21.48			
15	64QAM	1	37	21.57	21.51	21.65	21.45	21.55	21.8	1.5	
15	64QAM	1	74	21.61	21.54	21.60	21.50	21.54			
15	64QAM	36	0	20.81	20.73	20.80	20.79	20.82			
15	64QAM	36	20	20.68	20.70	20.73	20.64	20.61	21.8	1.5	
15	64QAM	36	39	20.56	20.56	20.71	20.58	20.63			
15	64QAM	75	0	20.58	20.65	20.69	20.59	20.56			
Channel				39700	40160	40620	41080	41540	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2501	2547	2593	2639	2685			
10	QPSK	1	0	21.81	21.79	22.03	21.87	21.88	23.30	0	
10	QPSK	1	25	22.10	22.12	22.29	22.13	22.15			
10	QPSK	1	49	21.86	21.79	21.89	21.80	21.78			
10	QPSK	25	0	22.00	22.09	22.14	22.06	22.07	23.3	0	
10	QPSK	25	0	21.93	21.96	22.07	21.93	21.96			
10	QPSK	25	25	21.95	21.95	21.95	21.98	21.94			
10	QPSK	50	0	22.09	22.09	22.10	22.07	22.11	23.3	0	
10	16QAM	1	0	22.10	22.04	22.10	22.05	22.10			
10	16QAM	1	25	22.06	22.07	22.26	22.19	22.11			
10	16QAM	1	49	21.88	21.90	22.05	21.91	21.94	22.8	0.5	
10	16QAM	25	0	21.55	21.61	21.56	21.55	21.57			
10	16QAM	25	12	21.53	21.53	21.62	21.56	21.49			
10	16QAM	25	25	21.35	21.42	21.45	21.39	21.43	22.8	0.5	
10	16QAM	50	0	21.40	21.39	21.42	21.42	21.47			
10	64QAM	1	0	21.44	21.56	21.57	21.45	21.47			
10	64QAM	1	25	21.46	21.47	21.55	21.49	21.60	21.8	1.5	
10	64QAM	1	49	21.52	21.51	21.58	21.55	21.60			
10	64QAM	25	0	20.80	20.67	20.81	20.76	20.80			
10	64QAM	25	12	20.66	20.64	20.78	20.65	20.70	21.8	1.5	
10	64QAM	25	25	20.57	20.53	20.81	20.55	20.65			
10	64QAM	50	0	20.56	20.64	20.67	20.65	20.59			
Channel				39675	40148	40620	41093	41565	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2667.5			
5	QPSK	1	0	21.78	21.77	22.00	21.91	21.90	23.30	0	
5	QPSK	1	12	22.12	22.10	22.29	22.15	22.22			
5	QPSK	1	24	21.93	21.86	21.99	21.86	21.82			
5	QPSK	12	0	22.01	22.02	22.10	22.13	22.12	23.3	0	
5	QPSK	12	7	22.02	22.03	22.09	21.99	22.00			
5	QPSK	12	13	22.00	21.98	21.97	22.00	21.88			
5	QPSK	25	0	22.08	22.04	22.18	22.06	22.10	23.3	0	
5	16QAM	1	0	22.10	22.11	22.04	22.01	22.11			
5	16QAM	1	12	22.11	22.09	22.25	22.23	22.10			
5	16QAM	1	24	21.89	21.95	22.04	21.87	22.00	22.8	0.5	
5	16QAM	12	0	21.53	21.61	21.59	21.58	21.62			
5	16QAM	12	7	21.51	21.53	21.62	21.51	21.48			
5	16QAM	12	13	21.38	21.34	21.45	21.42	21.38	22.8	0.5	
5	16QAM	25	0	21.33	21.35	21.47	21.44	21.49			
5	64QAM	1	0	21.43	21.58	21.54	21.45	21.41			
5	64QAM	1	12	21.54	21.47	21.55	21.52	21.59	21.8	1.5	
5	64QAM	1	24	21.60	21.55	21.58	21.46	21.58			
5	64QAM	12	0	20.72	20.69	20.75	20.72	20.73			
5	64QAM	12	7	20.65	20.74	20.73	20.63	20.64	21.8	1.5	
5	64QAM	12	13	20.56	20.58	20.62	20.55	20.62			
5	64QAM	25	0	20.62	20.66	20.67	20.65	20.63			



DSI 5 Power

Band 2_Ant14												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Frac)	Power Middle Ch. 1 (Frac)	Power High Ch. 1 (Frac)	Turn-up Int. (dB)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	16.17	16.24	16.20			17.5	0		
20	QPSK	1	49	16.23	16.30	16.31						
20	QPSK	1	99	16.04	16.12	16.01						
20	QPSK	50	0	16.16	16.21	16.19						
20	QPSK	50	24	16.16	16.21	16.12						
20	QPSK	50	50	16.16	16.22	16.21			17.5	0		
20	QPSK	100	0	16.13	16.16	16.16						
20	QPSK	1	0	16.26	16.26	16.22						
20	16QAM	1	49	16.30	16.32	16.29						
20	16QAM	1	99	16.20	16.22	16.16			17.5	0		
20	16QAM	50	0	16.27	16.26	16.24						
20	16QAM	50	24	16.16	16.20	16.21						
20	16QAM	50	50	16.16	16.21	16.18						
20	16QAM	100	0	16.24	16.32	16.29						
20	16QAM	1	0	16.23	16.21	16.16			17.5	0		
20	16QAM	1	49	16.24	16.30	16.29						
20	16QAM	1	99	16.12	16.23	16.18						
20	16QAM	50	0	16.26	16.34	16.21						
20	16QAM	50	24	16.16	16.20	16.24						
20	16QAM	50	50	16.16	16.34	16.26			17.5	0		
20	16QAM	100	0	16.21	16.34	16.26						
Channel												
Frequency (MHz)												
16	QPSK	1	0	16.12	16.17	16.13			17.5	0		
16	QPSK	1	37	16.10	16.27	16.28						
16	QPSK	1	74	16.17	16.21	16.16						
16	QPSK	36	0	16.02	16.10	16.00						
16	QPSK	36	20	16.13	16.21	16.06						
16	QPSK	36	36	16.14	16.10	16.12			17.5	0		
16	16QAM	1	0	16.23	16.23	16.11						
16	16QAM	1	37	16.24	16.31	16.08						
16	16QAM	1	74	16.07	16.12	16.08						
16	16QAM	36	0	16.10	16.28	16.13						
16	16QAM	36	20	16.02	16.15	16.12			17.5	0		
16	16QAM	36	36	16.04	16.16	16.05						
16	16QAM	36	50	16.16	16.20	16.14						
16	16QAM	1	0	16.08	16.28	16.09						
16	16QAM	1	37	16.10	16.22	16.21			17.5	0		
16	16QAM	1	74	16.07	16.12	16.08						
16	16QAM	36	0	16.10	16.28	16.13						
16	16QAM	36	20	16.16	16.34	16.30						
16	16QAM	36	36	16.08	16.22	16.21						
Channel												
Frequency (MHz)												
10	QPSK	1	0	16.07	16.11	16.11			17.5	0		
10	QPSK	1	25	16.07	16.16	16.16						
10	QPSK	1	49	16.01	16.03	16.06						
10	QPSK	25	0	16.05	16.20	16.05						
10	QPSK	25	12	16.00	16.00	16.03						
10	QPSK	50	0	16.08	16.16	16.10			17.5	0		
10	16QAM	1	0	16.11	16.30	16.10						
10	16QAM	1	25	16.07	16.26	16.25						
10	16QAM	1	49	16.07	16.17	16.13						
10	16QAM	25	0	16.02	16.27	16.21						
10	16QAM	25	12	16.03	16.24	16.12			17.5	0		
10	16QAM	50	0	16.07	16.22	16.20						
10	16QAM	50	0	16.17	16.32	16.25						
10	16QAM	1	0	16.21	16.20	16.07						
10	16QAM	1	25	16.01	16.24	16.19						
10	16QAM	1	49	16.07	16.12	16.10			17.5	0		
10	16QAM	25	0	16.26	16.19	16.07						
10	16QAM	25	12	16.12	16.28	16.19						
10	16QAM	25	0	16.05	16.20	16.13						
10	16QAM	50	0	16.14	16.25	16.24						
Channel												
Frequency (MHz)												
5	QPSK	1	0	16.03	16.03	16.05			17.5	0		
5	QPSK	1	24	16.16	16.04	16.06						
5	QPSK	12	0	16.07	16.17	16.09						
5	QPSK	12	6	16.04	16.06	16.08						
5	QPSK	12	13	16.08	16.12	16.06						
5	QPSK	25	0	16.02	16.16	16.08			17.5	0		
5	16QAM	1	0	16.26	16.27	16.09						
5	16QAM	1	12	16.16	16.27	16.16						
5	16QAM	1	24	16.00	16.14	16.14						
5	16QAM	12	0	16.02	16.21	16.13						
5	16QAM	12	6	16.14	16.14	16.17			17.5	0		
5	16QAM	12	13	16.11	16.26	16.15						
5	16QAM	25	0	16.20	16.24	16.23						
5	16QAM	1	0	16.03	16.23	16.08						
5	16QAM	1	12	16.16	16.29	16.11						
5	16QAM	1	24	16.07	16.08	16.15			17.5	0		
5	16QAM	12	0	16.20	16.29	16.18						
5	16QAM	12	6	16.21	16.20	16.20						
5	16QAM	12	13	16.05	16.19	16.13						
5	16QAM	25	0	16.12	16.28	16.15						
Channel												
Frequency (MHz)												
3	QPSK	1	0	16.15	16.22	16.16			17.5	0		
3	QPSK	1	8	16.09	16.34	16.19						
3	QPSK	1	14	16.03	16.08	16.07						
3	QPSK	8	0	16.06	16.14	16.08						
3	QPSK	8	4	16.08	16.16	16.05						
3	QPSK	8	7	16.11	16.23	16.14			17.5	0		
3	QPSK	16	0	16.08	16.21	16.05						
3	QPSK	8	0	16.16	16.27	16.11						
3	16QAM	1	8	16.24	16.18	16.09						
3	16QAM	1	14	16.11	16.19	16.07						
3	16QAM	8	0	16.09	16.25	16.10			17.5	0		
3	16QAM	8	4	16.13	16.20	16.11						
3	16QAM	8	7	16.05	16.23	16.08						
3	16QAM	16	0	16.17	16.19	16.09						
3	16QAM	8	0	16.16	16.22	16.15						
3	16QAM	1	8	16.18	16.27	16.12			17.5	0		
3	16QAM	1	14	16.01	16.21	16.09						
3	16QAM	8	4	16.09	16.30	16.28						
3	16QAM	8	7	16.18	16.23	16.21						
3	16QAM	16	0	16.10	16.26	16.16						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	16.14	16.22	16.16			17.5	0		
1.4	QPSK	1	3	16.20	16.22	16.17						
1.4	QPSK	1	3	16.07	16.04	16.04						
1.4	QPSK	3	0	16.01	16.19	16.00						
1.4	QPSK	3	1	16.07	16.20	16.09						
1.4	QPSK	3	1	16.06	16.09	16.12			17.5	0		
1.4	QPSK	3	0	16.05	16.23	16.05						
1.4	16QAM	1	0	16.11	16.21	16.12						
1.4	16QAM	1	3	16.20	16.24	16.18						
1.4	16QAM	1	3	16.14	16.12	16.11						
1.4	16QAM	3	0	16.16	16.28	16.14			17.5	0		
1.4	16QAM	3	1	16.15	16.21	16.16						
1.4	16QAM	3	1	16.16	16.17	16.06						
1.4	16QAM	6	0	16.16	16.18	16.28						
1.4	16QAM	1	0	16.11	16.25	16.04						
1.4	16QAM	1	3	16.23	16.26	16.20			17.5	0		
1.4	16QAM	1	3	16.16	16.14	16.00						
1.4	16QAM	3	0	16.16	16.26	16.20						
1.4	16QAM	3	1	16.12	16.28	16.19						
1.4	16QAM	3	1	16.16	16.20	16.20						



Band 5_Ant11											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Watt)	Power Middle Ch. 1 (Watt)	Power High Ch. 1 (Watt)	Turn-up Int. (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
10	QPSK	1	0	19.33	19.38	19.37	20.8	0			
10	QPSK	1	25	19.33	19.32	19.40					
10	QPSK	1	49	19.48	19.37	19.45	20.8	0			
10	QPSK	25	0	19.44	19.48	19.39					
10	QPSK	25	12	19.38	19.34	19.47	20.8	0			
10	QPSK	25	26	19.34	19.34	19.42					
10	QPSK	50	0	19.39	19.44	19.39	20.8	0			
10	16QAM	1	0	19.42	19.54	19.50					
10	16QAM	1	25	19.52	19.45	19.48	20.8	0			
10	16QAM	1	49	19.47	19.55	19.54					
10	16QAM	25	0	19.42	19.38	19.59	20.8	0			
10	16QAM	25	12	19.39	19.54	19.39					
10	16QAM	25	26	19.48	19.56	19.48	20.8	0			
10	16QAM	50	0	19.54	19.45	19.44					
10	16QAM	50	12	19.50	19.53	19.57	20.8	0			
10	16QAM	1	25	19.38	19.48	19.24					
10	16QAM	1	49	19.52	19.43	19.48	20.8	0			
10	16QAM	25	0	19.38	19.51	19.48					
10	16QAM	25	12	19.50	19.53	19.57	20.8	0			
10	16QAM	25	26	19.48	19.48	19.32					
10	16QAM	50	0	19.47	19.59	19.38	20.8	0			
Channel											
Frequency (MHz)											
5	QPSK	1	0	19.44	19.50	19.24	20.8	0			
5	QPSK	1	12	19.29	19.57	19.29					
5	QPSK	1	24	19.39	19.44	19.36	20.8	0			
5	QPSK	12	0	19.40	19.44	19.33					
5	QPSK	12	7	19.43	19.41	19.41	20.8	0			
5	QPSK	12	13	19.28	19.52	19.27					
5	QPSK	25	0	19.34	19.47	19.36	20.8	0			
5	16QAM	1	0	19.38	19.48	19.54					
5	16QAM	1	12	19.35	19.39	19.44	20.8	0			
5	16QAM	1	24	19.36	19.44	19.36					
5	16QAM	12	0	19.34	19.46	19.53	20.8	0			
5	16QAM	12	7	19.37	19.46	19.43					
5	16QAM	12	13	19.38	19.52	19.43	20.8	0			
5	16QAM	25	0	19.40	19.43	19.41					
5	16QAM	1	0	19.38	19.50	19.35	20.8	0			
5	16QAM	1	12	19.25	19.35	19.23					
5	16QAM	1	24	19.35	19.43	19.45	20.8	0			
5	16QAM	12	0	19.38	19.43	19.45					
5	16QAM	12	7	19.38	19.46	19.48	20.8	0			
5	16QAM	12	13	19.46	19.45	19.20					
5	16QAM	25	0	19.38	19.48	19.36	20.8	0			
Channel											
Frequency (MHz)											
3	QPSK	1	0	19.37	19.48	19.32	20.8	0			
3	QPSK	1	8	19.31	19.53	19.36					
3	QPSK	1	14	19.45	19.47	19.38	20.8	0			
3	QPSK	8	0	19.37	19.44	19.38					
3	QPSK	8	4	19.32	19.44	19.35	20.8	0			
3	QPSK	8	7	19.33	19.38	19.29					
3	QPSK	16	0	19.38	19.37	19.22	20.8	0			
3	16QAM	1	0	19.42	19.36	19.45					
3	16QAM	1	8	19.45	19.43	19.51	20.8	0			
3	16QAM	1	14	19.35	19.54	19.54					
3	16QAM	8	0	19.40	19.51	19.43	20.8	0			
3	16QAM	8	4	19.34	19.44	19.36					
3	16QAM	16	0	19.42	19.53	19.47	20.8	0			
3	16QAM	1	0	19.28	19.55	19.35					
3	16QAM	1	8	19.39	19.47	19.36	20.8	0			
3	16QAM	1	14	19.50	19.37	19.40					
3	16QAM	8	0	19.38	19.55	19.38	20.8	0			
3	16QAM	8	4	19.33	19.53	19.47					
3	16QAM	8	7	19.37	19.44	19.29	20.8	0			
3	16QAM	16	0	19.40	19.49	19.37					
Channel											
Frequency (MHz)											
1.4	QPSK	1	0	19.34	19.45	19.37	20.8	0			
1.4	QPSK	1	3	19.31	19.57	19.39					
1.4	QPSK	1	5	19.45	19.42	19.37	20.8	0			
1.4	QPSK	3	0	19.37	19.53	19.29					
1.4	QPSK	3	1	19.31	19.39	19.38	20.8	0			
1.4	QPSK	3	3	19.28	19.36	19.27					
1.4	QPSK	6	0	19.28	19.33	19.19	20.8	0			
1.4	16QAM	1	0	19.43	19.48	19.55					
1.4	16QAM	1	3	19.45	19.37	19.52	20.8	0			
1.4	16QAM	1	5	19.48	19.51	19.48					
1.4	16QAM	3	0	19.44	19.45	19.53	20.8	0			
1.4	16QAM	3	1	19.27	19.50	19.35					
1.4	16QAM	3	3	19.37	19.44	19.40	20.8	0			
1.4	16QAM	6	0	19.39	19.35	19.40					
1.4	16QAM	1	0	19.38	19.56	19.41	20.8	0			
1.4	16QAM	1	3	19.25	19.39	19.20					
1.4	16QAM	1	5	19.48	19.35	19.43	20.8	0			
1.4	16QAM	3	0	19.32	19.52	19.48					
1.4	16QAM	3	1	19.36	19.43	19.53	20.8	0			
1.4	16QAM	3	3	19.34	19.41	19.21					
1.4	16QAM	6	0	19.48	19.48	19.45	20.8	0			

Band 5_Ant41											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Watt)	Power Middle Ch. 1 (Watt)	Power High Ch. 1 (Watt)	Turn-up Int. (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
10	QPSK	1	0	20.51	20.48	20.57	21.8	0			
10	QPSK	1	25	20.51	20.57	20.58					
10	QPSK	1	49	20.54	20.58	20.86	21.8	0			
10	QPSK	25	0	20.48	20.65	20.48					
10	QPSK	25	12	20.53	20.60	20.81	21.8	0			
10	QPSK	26	26	20.42	20.54	20.82	21.8	0			
10	QPSK	50	0	20.51	20.67	20.49					
10	QPSK	50	25	20.58	20.58	20.58	21.8	0			
10	QPSK	1	25	20.48	20.55	20.65					
10	QPSK	1	49	20.49	20.57	20.88	21.8	0			
10	QPSK	25	0	20.54	20.64	20.54					
10	QPSK	25	12	20.45	20.61	20.61	21.8	0			
10	QPSK	25	26	20.45	20.69	20.49	21.8	0			
10	QPSK	50	0	20.58	20.68	20.68					
10	QPSK	50	25	20.65	20.68	20.68	21.8	0			
10	QPSK	1	25	20.41	20.57	20.68					
10	QPSK	1	49	20.41	20.65	20.68	21.8	0			
10	QPSK	25	0	20.47	20.57	20.68					
10	QPSK	25	12	20.57	20.57	20.65	21.8	0			
10	QPSK	25	26	20.63	20.6	20.71					
10	QPSK	50	0	20.61	20.7	20.72	Turn-up Int. (dBm)	MPR (dB)			
Channel				20445	20455	20465					
Frequency (MHz)				826.5	826.5	846.5					
5	QPSK	1	0	20.35	20.32	20.32	21.8	0			
5	QPSK	1	12	20.34	20.54	20.47					
5	QPSK	1	25	20.34	20.51	20.51	21.8	0			
5	QPSK	12	0	20.38	20.54	20.31					
5	QPSK	12	12	20.50	20.54	20.44	21.8	0			
5	QPSK	12	25	20.38	20.54	20.31					
5	QPSK	25	0	20.38	20.54	20.35	21.8	0			
5	QPSK	1	0	20.48	20.41	20.36					
5	QPSK	1	12	20.29	20.48	20.37	21.8	0			
5	QPSK	1	25	20.29	20.48	20.37					
5	QPSK	12	0	20.41	20.52	20.46	21.8	0			
5	QPSK	12	12	20.29	20.48	20.37					
5	QPSK	12	25	20.35	20.57	20.35	21.8	0			
5	QPSK	25	0	20.50	20.50	20.51					
5	QPSK	1	0	20.37	20.48	20.53	21.8	0			
5	QPSK	1	12	20.34	20.51	20.51					
5	QPSK	1	25	20.32	20.48	20.48	21.8	0			
5	QPSK	12	0	20.47	20.61	20.71					
5	QPSK	12	12	20.46	20.54	20.54	21.8	0			
5	QPSK	12	25	20.45	20.54	20.54					
5	QPSK	25	0	20.48	20.51	20.26	Turn-up Int. (dBm)	MPR (dB)			
Channel				20445	20555	20665					
Frequency (MHz)				826.7	826.7	846.3					
3	QPSK	1	0	20.32	20.59	20.61	21.8	0			
3	QPSK	1	8	20.54	20.64	20.39					
3	QPSK	1	14	20.47	20.42	20.49	21.8	0			
3	QPSK	8	0	20.41	20.43	20.39					
3	QPSK	8	8	20.44	20.50	20.48	21.8	0			
3	QPSK	8	7	20.27	20.38	20.56					
3	QPSK	15	0	20.32	20.61	20.41	21.8	0			
3	QPSK	15	8	20.38	20.43	20.38					
3	QPSK	1	8	20.34	20.49	20.58	21.8	0			
3	QPSK	1	14	20.43	20.63	20.53					
3	QPSK	8	0	20.47	20.47	20.47	21.8	0			
3	QPSK	8	7	20.37	20.42	20.38					
3	QPSK	8	7	20.32	20.63	20.39	21.8	0			
3	QPSK	15	0	20.39	20.54	20.41					
3	QPSK	15	8	20.45	20.52	20.48	21.8	0			
3	QPSK	1	8	20.32	20.56	20.48					
3	QPSK	1	14	20.33	20.50	20.48	21.8	0			
3	QPSK	8	0	20.43	20.50	20.48					
3	QPSK	8	4	20.63	20.45	20.61	21.8	0			
3	QPSK	8	7	20.62	20.47	20.56					
3	QPSK	15	0	20.38	20.47	20.63	Turn-up Int. (dBm)	MPR (dB)			
Channel				20445	20555	20665					
Frequency (MHz)				824.7	824.7	846.3					
1.4	QPSK	1	0	20.30	20.55	20.57	21.8	0			
1.4	QPSK	1	3	20.30	20.58	20.49					
1.4	QPSK	1	3	20.45	20.58	20.49	21.8	0			
1.4	QPSK	3	0	20.35	20.48	20.39					
1.4	QPSK	3	1	20.47	20.63	20.43	21.8	0			
1.4	QPSK	3	3	20.35	20.55	20.43					
1.4	QPSK	6	0	20.38	20.61	20.30	21.8	0			
1.4	QPSK	6	0	20.45	20.39	20.42					
1.4	QPSK	1	3	20.26	20.39	20.45	21.8	0			
1.4	QPSK	1	3	20.53	20.52	20.45					
1.4	QPSK	3	0	20.48	20.58	20.35	21.8	0			
1.4	QPSK	3	1	20.29	20.45	20.43					
1.4	QPSK	3	3	20.57	20.35	20.42	21.8	0			
1.4	QPSK	6	0	20.43	20.51	20.47					
1.4	QPSK	1	0	20.28	20.41	20.30	21.8	0			
1.4	QPSK	1	3	20.33	20.60	20.49					
1.4	QPSK	1	3	20.47	20.58	20.49	21.8	0			
1.4	QPSK	3	0	20.44	20.60	20.52					
1.4	QPSK	3	1	20.41	20.63	20.51	21.8	0			
1.4	QPSK	3	3	20.49	20.42	20.42					
1.4	QPSK	6	0	20.41	20.54	20.52	21.8	0			

Band 66_Ant14										
BW (MHz)	Modulation	RB Size	RB Offset	Power Lvl Ch. 1 (Frac)	Power Mask Ch. 1 (Frac)	Power Lvl Ch. 17 (Frac)	Power Mask Ch. 17 (Frac)	Time-up rate (dBm)	MPE (dB)	
Channel										
Frequency (MHz)				132072	132072	132072	132072			
20	QPSK	1	0	16.30	16.40	16.34	16.34			
20	QPSK	1	40	16.43	16.55	16.51	16.51	17.5	0	
20	QPSK	1	96	16.30	16.46	16.27	16.27			
20	QPSK	50	0	16.43	16.59	16.46	16.46			
20	QPSK	50	24	16.52	16.56	16.46	16.46	17.5	0	
20	QPSK	50	50	16.44	16.57	16.44	16.44			
20	QPSK	100	0	16.41	16.58	16.41	16.41			
20	HQAM	1	0	16.42	16.56	16.29	16.29			
20	HQAM	1	40	16.52	16.56	16.57	16.57	17.5	0	
20	HQAM	1	96	16.41	16.49	16.35	16.35			
20	HQAM	50	0	16.49	16.59	16.46	16.46			
20	HQAM	50	24	16.43	16.59	16.49	16.49	17.5	0	
20	HQAM	50	50	16.53	16.53	16.46	16.46			
20	HQAM	100	0	16.45	16.49	16.44	16.44			
20	BQAM	1	0	16.31	16.48	16.21	16.21			
20	BQAM	1	40	16.42	16.55	16.47	16.47	17.5	0	
20	BQAM	1	96	16.20	16.39	16.27	16.27			
20	BQAM	50	0	16.44	16.48	16.52	16.52			
20	BQAM	50	24	16.51	16.56	16.45	16.45	17.5	0	
20	BQAM	50	50	16.44	16.57	16.46	16.46			
20	BQAM	100	0	16.45	16.58	16.39	16.39			
Channel										
Frequency (MHz)				1717.5	1716.5	1717.5	1717.5	Time-up rate (dBm)	MPE (dB)	
16	QPSK	1	0	16.21	16.42	16.23	16.23			
16	QPSK	1	37	16.34	16.52	16.43	16.43	17.5	0	
16	QPSK	1	74	16.20	16.37	16.20	16.20			
16	QPSK	36	0	16.36	16.55	16.52	16.52			
16	QPSK	36	20	16.46	16.45	16.51	16.51	17.5	0	
16	QPSK	36	36	16.25	16.40	16.24	16.24			
16	QPSK	72	0	16.35	16.36	16.39	16.39			
16	HQAM	1	0	16.31	16.37	16.22	16.22			
16	HQAM	1	37	16.39	16.39	16.43	16.43	17.5	0	
16	HQAM	1	74	16.23	16.36	16.26	16.26			
16	HQAM	36	0	16.36	16.45	16.58	16.58			
16	HQAM	36	20	16.36	16.40	16.51	16.51	17.5	0	
16	HQAM	36	36	16.16	16.36	16.35	16.35			
16	HQAM	72	0	16.27	16.28	16.28	16.28			
16	BQAM	1	0	16.25	16.28	16.33	16.33			
16	BQAM	1	37	16.25	16.47	16.38	16.38	17.5	0	
16	BQAM	1	74	16.07	16.20	16.12	16.12			
16	BQAM	36	0	16.36	16.40	16.58	16.58			
16	BQAM	36	20	16.34	16.49	16.56	16.56	17.5	0	
16	BQAM	36	36	16.33	16.43	16.56	16.56			
16	BQAM	72	0	16.36	16.51	16.29	16.29			
Channel										
Frequency (MHz)				1715	1716	1715	1715	Time-up rate (dBm)	MPE (dB)	
10	QPSK	1	0	16.25	16.39	16.26	16.26			
10	QPSK	1	25	16.32	16.42	16.28	16.28	17.5	0	
10	QPSK	1	40	16.14	16.26	16.17	16.17			
10	QPSK	25	0	16.34	16.44	16.42	16.42			
10	QPSK	25	12	16.37	16.35	16.37	16.37	17.5	0	
10	QPSK	25	25	16.27	16.41	16.28	16.28			
10	QPSK	50	0	16.29	16.40	16.31	16.31			
10	HQAM	1	0	16.26	16.40	16.30	16.30			
10	HQAM	1	25	16.36	16.39	16.38	16.38	17.5	0	
10	HQAM	1	40	16.33	16.43	16.19	16.19			
10	HQAM	25	0	16.39	16.45	16.38	16.38			
10	HQAM	25	12	16.31	16.42	16.30	16.30	17.5	0	
10	HQAM	25	25	16.13	16.36	16.20	16.20			
10	HQAM	50	0	16.37	16.40	16.26	16.26			
10	BQAM	1	0	16.18	16.32	16.31	16.31			
10	BQAM	1	25	16.23	16.47	16.21	16.21	17.5	0	
10	BQAM	1	40	16.00	16.25	16.09	16.09			
10	BQAM	25	0	16.35	16.35	16.45	16.45			
10	BQAM	25	12	16.40	16.40	16.28	16.28	17.5	0	
10	BQAM	25	25	16.44	16.38	16.25	16.25			
10	BQAM	50	0	16.27	16.42	16.33	16.33			
Channel										
Frequency (MHz)				131997	132022	132047	132047	Time-up rate (dBm)	MPE (dB)	
Frequency (MHz)				1712.5	1716	1717.5	1717.5			
5	QPSK	1	0	16.30	16.41	16.29	16.29			
5	QPSK	1	12	16.27	16.50	16.53	16.53	17.5	0	
5	QPSK	1	24	16.12	16.40	16.13	16.13			
5	QPSK	12	0	16.42	16.44	16.41	16.41			
5	QPSK	12	7	16.41	16.52	16.53	16.53	17.5	0	
5	QPSK	12	13	16.29	16.32	16.35	16.35			
5	QPSK	25	0	16.25	16.40	16.25	16.25			
5	HQAM	1	0	16.29	16.37	16.26	16.26			
5	HQAM	1	12	16.44	16.51	16.48	16.48	17.5	0	
5	HQAM	1	24	16.35	16.29	16.18	16.18			
5	HQAM	12	0	16.43	16.43	16.41	16.41			
5	HQAM	12	7	16.31	16.51	16.38	16.38	17.5	0	
5	HQAM	12	13	16.20	16.34	16.34	16.34			
5	HQAM	25	0	16.25	16.41	16.36	16.36			
5	BQAM	1	0	16.20	16.37	16.22	16.22			
5	BQAM	1	12	16.25	16.49	16.41	16.41	17.5	0	
5	BQAM	1	24	16.05	16.19	16.14	16.14			
5	BQAM	12	0	16.29	16.36	16.43	16.43			
5	BQAM	12	7	16.35	16.41	16.25	16.25	17.5	0	
5	BQAM	12	13	16.37	16.41	16.33	16.33			
5	BQAM	25	0	16.34	16.39	16.20	16.20			
Channel										
Frequency (MHz)				1711.5	1716	1717.5	1717.5	Time-up rate (dBm)	MPE (dB)	
3	QPSK	1	0	16.32	16.36	16.29	16.29			
3	QPSK	1	8	16.26	16.45	16.43	16.43	17.5	0	
3	QPSK	1	16	16.14	16.31	16.09	16.09			
3	QPSK	8	0	16.29	16.36	16.34	16.34			
3	QPSK	8	4	16.32	16.47	16.29	16.29	17.5	0	
3	QPSK	8	7	16.36	16.37	16.28	16.28			
3	QPSK	16	0	16.26	16.36	16.23	16.23			
3	HQAM	1	0	16.26	16.38	16.32	16.32			
3	HQAM	1	8	16.44	16.39	16.42	16.42	17.5	0	
3	HQAM	1	16	16.31	16.29	16.26	16.26			
3	HQAM	8	0	16.33	16.45	16.37	16.37			
3	HQAM	8	4	16.34	16.49	16.31	16.31	17.5	0	
3	HQAM	8	7	16.20	16.35	16.59	16.59			
3	HQAM	16	0	16.25	16.33	16.29	16.29			
3	BQAM	1	0	16.24	16.42	16.29	16.29			
3	BQAM	1	8	16.31	16.38	16.29	16.29	17.5	0	
3	BQAM	1	16	16.05	16.26	16.15	16.15			
3	BQAM	8	0	16.26	16.40	16.37	16.37			
3	BQAM	8	4	16.37	16.39	16.33	16.33	17.5	0	
3	BQAM	8	7	16.26	16.48	16.52	16.52			
3	BQAM	16	0	16.26	16.44	16.31	16.31			
Channel										
Frequency (MHz)				1710.7	1716	1717.3	1717.3	Time-up rate (dBm)	MPE (dB)	
1.4	QPSK	1	0	16.32	16.43	16.22	16.22			
1.4	QPSK	1	3	16.30	16.46	16.33	16.33	17.5	0	
1.4	QPSK	1	6	16.15	16.26	16.17	16.17			
1.4	QPSK	3	0	16.39	16.41	16.38	16.38			
1.4	QPSK	3	1	16.36	16.45	16.39	16.39			
1.4	QPSK	3	3	16.25	16.39	16.37	16.37	17.5	0	
1.4	HQAM	1	0	16.22	16.45	16.25	16.25			
1.4	HQAM	1	0	16.34	16.37	16.25	16.25			
1.4	HQAM	1	3	16.35	16.39	16.38	16.38	17.5	0	
1.4	HQAM	1	6	16.30	16.29	16.29	16.29			
1.4	HQAM	3	0	16.33	16.42	16.42	16.42			
1.4	HQAM	3	1	16.23	16.47	16.34	16.34			
1.4	HQAM	3	3	16.24	16.34	16.37	16.37	17.5	0	
1.4	HQAM	6	0	16.30	16.39	16.34	16.34			
1.4	BQAM	1	0	16.25	16.29	16.27	16.27			
1.4	BQAM	1	3	16.26	16.41	16.32	16.32	17.5	0	
1.4	BQAM	1	6	16.03	16.22	16.20	16.20			
1.4	BQAM	3	0	16.29	16.39	16.37	16.37			
1.4	BQAM	3								

Band 38_Ant31										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	19.81	19.78	19.73	20.8	0		
20	QPSK	1	49	20.11	20.05	20.04				
20	QPSK	1	99	19.91	19.86	19.85				
20	QPSK	50	0	19.99	19.98	19.94				
20	QPSK	50	24	19.98	19.94	19.92	20.8	0		
20	QPSK	50	50	19.88	19.80	19.78				
20	QPSK	100	0	19.98	19.96	19.93				
20	16QAM	1	0	19.99	19.94	19.93				
20	16QAM	1	49	20.10	20.03	20.06	20.8	0		
20	16QAM	1	99	19.98	19.90	19.98				
20	16QAM	50	0	19.96	19.96	19.96				
20	16QAM	50	24	19.98	19.88	19.90				
20	16QAM	50	50	19.87	19.86	19.81	20.8	0		
20	16QAM	100	0	19.99	19.91	19.91				
20	64QAM	1	0	19.88	19.82	19.84				
20	64QAM	1	49	20.01	20.00	19.99				
20	64QAM	1	99	19.91	19.81	19.81	20.8	0		
20	64QAM	50	0	19.96	19.95	19.86				
20	64QAM	50	24	19.99	19.95	19.90				
20	64QAM	50	50	19.89	19.88	19.81				
20	64QAM	100	0	19.92	19.90	19.87	Tune-up limit (dBm)		MPR (dB)	
Channel				37825	38000	38175				
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	19.74	19.67	19.63	20.8	0		
15	QPSK	1	37	20.08	19.98	20.01				
15	QPSK	1	74	19.81	19.80	19.73				
15	QPSK	36	0	19.94	19.91	19.87				
15	QPSK	36	20	19.94	19.91	19.86	20.8	0		
15	QPSK	36	39	19.86	19.72	19.67				
15	QPSK	75	0	19.88	19.85	19.83				
15	16QAM	1	0	19.96	19.89	19.86				
15	16QAM	1	37	20.00	19.98	19.97	20.8	0		
15	16QAM	1	74	19.94	19.87	19.87				
15	16QAM	36	0	19.87	19.88	19.88				
15	16QAM	36	20	19.96	19.76	19.86				
15	16QAM	36	39	19.78	19.77	19.76	20.8	0		
15	16QAM	75	0	19.93	19.82	19.83				
15	64QAM	1	0	19.85	19.80	19.78				
15	64QAM	1	37	19.96	19.96	19.93				
15	64QAM	1	74	19.84	19.74	19.69	20.8	0		
15	64QAM	36	0	19.87	19.83	19.81				
15	64QAM	36	20	19.94	19.92	19.76				
15	64QAM	36	39	19.82	19.83	19.70				
15	64QAM	75	0	19.86	19.83	19.76	Tune-up limit (dBm)		MPR (dB)	
Channel				37800	38000	38200				
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	19.69	19.66	19.66	20.8	0		
10	QPSK	1	25	20.06	19.93	19.95				
10	QPSK	1	49	19.83	19.82	19.76				
10	QPSK	25	0	19.91	19.88	19.86				
10	QPSK	25	12	19.85	19.86	19.78	20.8	0		
10	QPSK	25	25	19.82	19.73	19.73				
10	QPSK	50	0	19.89	19.82	19.83				
10	16QAM	1	0	19.87	19.83	19.84				
10	16QAM	1	25	19.96	19.98	19.99	20.8	0		
10	16QAM	1	49	19.88	19.80	19.85				
10	16QAM	25	0	19.85	19.91	19.92				
10	16QAM	25	12	19.84	19.81	19.82				
10	16QAM	25	25	19.77	19.80	19.73	20.8	0		
10	16QAM	50	0	19.90	19.77	19.80				
10	64QAM	1	0	19.74	19.73	19.72				
10	64QAM	1	25	19.87	19.94	19.95				
10	64QAM	1	49	19.78	19.77	19.70	20.8	0		
10	64QAM	25	0	19.90	19.90	19.79				
10	64QAM	25	12	19.94	19.81	19.83				
10	64QAM	25	25	19.76	19.82	19.67				
10	64QAM	50	0	19.88	19.81	19.74	Tune-up limit (dBm)		MPR (dB)	
Channel				37775	38000	38225				
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	19.70	19.68	19.69	20.8	0		
5	QPSK	1	12	20.02	19.94	20.00				
5	QPSK	1	24	19.84	19.74	19.80				
5	QPSK	12	0	19.89	19.87	19.84				
5	QPSK	12	7	19.84	19.87	19.83	20.8	0		
5	QPSK	12	13	19.74	19.68	19.68				
5	QPSK	25	0	19.91	19.89	19.87				
5	16QAM	1	0	19.86	19.85	19.86				
5	16QAM	1	12	20.02	19.89	19.92	20.8	0		
5	16QAM	1	24	19.89	19.84	19.86				
5	16QAM	12	0	19.88	19.82	19.83				
5	16QAM	12	7	19.92	19.79	19.76				
5	16QAM	12	13	19.73	19.75	19.77	20.8	0		
5	16QAM	25	0	19.92	19.80	19.81				
5	64QAM	1	0	19.84	19.68	19.77				
5	64QAM	1	12	19.91	19.91	19.93				
5	64QAM	1	24	19.84	19.73	19.76	20.8	0		
5	64QAM	12	0	19.84	19.86	19.77				
5	64QAM	12	7	19.93	19.86	19.79				
5	64QAM	12	13	19.77	19.84	19.67				
5	64QAM	25	0	19.78	19.83	19.79	Tune-up limit (dBm)		MPR (dB)	

Band 38_Ant14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	19.13	19.05	19.10	20.3	0	
20	QPSK	1	49	19.31	19.23	19.21			
20	QPSK	1	99	19.06	19.06	18.96			
20	QPSK	50	0	19.16	19.15	19.04			
20	QPSK	50	24	19.11	19.02	19.04	20.3	0	
20	QPSK	50	50	19.05	19.03	19.00			
20	QPSK	100	0	19.13	19.11	19.12			
20	16QAM	1	0	19.16	19.15	19.08			
20	16QAM	1	49	19.24	19.24	19.19	20.3	0	
20	16QAM	1	99	19.16	19.14	19.13			
20	16QAM	50	0	19.12	19.09	19.05			
20	16QAM	50	24	19.16	19.11	19.15			
20	16QAM	50	50	19.06	18.99	19.06	20.3	0	
20	16QAM	100	0	19.16	19.10	19.08			
20	64QAM	1	0	19.16	19.11	19.09			
20	64QAM	1	49	19.28	19.18	19.28			
20	64QAM	1	99	19.14	19.11	19.07	20.3	0	
20	64QAM	50	0	19.13	19.04	19.13			
20	64QAM	50	24	19.18	19.12	19.13			
20	64QAM	50	50	19.08	19.02	19.08			
20	64QAM	100	0	19.13	19.07	19.06			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	19.07	18.93	18.99	20.3	0	
15	QPSK	1	37	19.23	19.16	19.19			
15	QPSK	1	74	19.00	18.96	18.89			
15	QPSK	36	0	19.11	19.09	18.98			
15	QPSK	36	20	19.00	18.91	18.95	20.3	0	
15	QPSK	36	39	18.94	18.96	18.90			
15	QPSK	75	0	19.08	19.04	19.06			
15	16QAM	1	0	19.12	19.04	18.97			
15	16QAM	1	37	19.17	19.13	19.13	20.3	0	
15	16QAM	1	74	19.06	19.08	19.06			
15	16QAM	36	0	19.03	18.99	18.98			
15	16QAM	36	20	19.10	19.06	19.12			
15	16QAM	36	39	18.96	18.97	19.02	20.3	0	
15	16QAM	75	0	19.07	19.02	18.99			
15	64QAM	1	0	19.06	19.09	19.05			
15	64QAM	1	37	19.18	19.06	19.26			
15	64QAM	1	74	19.07	19.02	18.97	20.3	0	
15	64QAM	36	0	19.10	18.93	19.02			
15	64QAM	36	20	19.12	19.07	19.04			
15	64QAM	36	39	19.00	18.95	18.99			
15	64QAM	75	0	19.07	18.98	19.04			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	19.09	18.97	19.02	20.3	0	
10	QPSK	1	25	19.26	19.18	19.16			
10	QPSK	1	49	18.98	18.92	18.85			
10	QPSK	25	0	19.09	19.05	18.98			
10	QPSK	25	12	19.07	18.94	18.91	20.3	0	
10	QPSK	25	25	18.96	18.96	18.91			
10	QPSK	50	0	18.99	18.98	19.03			
10	16QAM	1	0	19.05	19.08	18.99			
10	16QAM	1	25	19.18	19.11	19.10	20.3	0	
10	16QAM	1	49	19.06	19.06	19.02			
10	16QAM	25	0	19.00	19.05	19.01			
10	16QAM	25	12	19.02	19.07	19.02			
10	16QAM	25	25	19.00	18.87	19.02	20.3	0	
10	16QAM	50	0	19.04	18.98	18.94			
10	64QAM	1	0	19.07	19.04	18.98			
10	64QAM	1	25	19.24	19.13	19.18			
10	64QAM	1	49	19.07	19.01	18.95	20.3	0	
10	64QAM	25	0	19.08	18.98	19.01			
10	64QAM	25	12	19.14	19.03	19.08			
10	64QAM	25	25	19.00	18.90	19.00			
10	64QAM	50	0	19.06	19.00	18.99			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	19.00	18.94	18.99	20.3	0	
5	QPSK	1	12	19.27	19.14	19.15			
5	QPSK	1	24	19.02	18.95	18.85			
5	QPSK	12	0	19.07	19.06	18.95			
5	QPSK	12	7	18.99	18.88	18.97	20.3	0	
5	QPSK	12	13	18.95	18.96	18.92			
5	QPSK	25	0	19.02	19.00	19.02			
5	16QAM	1	0	19.10	19.01	18.99			
5	16QAM	1	12	19.10	19.18	19.08	20.3	0	
5	16QAM	1	24	19.02	19.01	19.05			
5	16QAM	12	0	19.03	18.98	19.08			
5	16QAM	12	7	19.10	19.07	19.08			
5	16QAM	12	13	19.01	18.93	18.97	20.3	0	
5	16QAM	25	0	19.08	18.96	19.03			
5	64QAM	1	0	19.02	19.04	18.99			
5	64QAM	1	12	19.18	19.07	19.18			
5	64QAM	1	24	19.07	19.03	18.96	20.3	0	
5	64QAM	12	0	19.04	18.90	19.01			
5	64QAM	12	7	19.08	18.99	19.01			
5	64QAM	12	13	19.03	18.92	19.00			
5	64QAM	25	0	19.06	18.98	18.99			

Band 41_Ant31												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	19.94	20.01	20.02	19.93	19.97	20.8	0		
20	QPSK	1	49	19.98	19.99	20.12	20.02	20.03				
20	QPSK	1	99	19.74	19.79	19.83	19.74	19.82				
20	QPSK	50	0	19.83	19.90	20.04	19.91	19.99				
20	QPSK	50	24	19.97	19.98	20.02	19.96	19.97	20.8	0		
20	QPSK	50	50	19.87	19.91	19.91	19.86	19.90				
20	QPSK	100	0	19.87	19.88	20.01	19.92	20.00				
20	16QAM	1	0	19.94	19.91	19.98	19.96	19.93				
20	16QAM	1	49	20.08	20.09	20.11	20.07	20.09	20.8	0		
20	16QAM	1	99	19.83	19.85	19.91	19.82	19.83				
20	16QAM	50	0	19.97	19.97	20.01	19.99	19.92				
20	16QAM	50	24	19.94	20.03	20.03	19.93	19.97				
20	16QAM	50	50	19.85	19.88	19.90	19.89	19.85	20.8	0		
20	16QAM	100	0	19.95	19.92	19.95	19.94	19.91				
20	64QAM	1	0	19.79	19.84	19.88	19.84	19.83				
20	64QAM	1	49	19.99	19.93	20.01	19.92	19.99	20.8	0		
20	64QAM	1	99	19.78	19.84	19.84	19.78	19.83				
20	64QAM	50	0	19.94	20.01	20.03	19.95	19.94				
20	64QAM	50	24	19.99	20.03	20.04	20.03	20.04				
20	64QAM	50	50	19.83	19.92	19.93	19.87	19.89	20.8	0		
20	64QAM	100	0	19.87	19.88	19.95	19.90	19.95				
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5				
15	QPSK	1	0	19.87	19.91	19.91	19.85	19.89	20.80	0		
15	QPSK	1	37	19.92	19.93	20.07	19.97	19.97				
15	QPSK	1	74	19.63	19.77	19.74	19.69	19.68				
15	QPSK	36	0	19.73	19.80	19.96	19.81	19.86				
15	QPSK	36	20	19.91	19.91	19.99	19.82	19.85	20.8	0		
15	QPSK	36	39	19.83	19.82	19.79	19.72	19.78				
15	QPSK	75	0	19.79	19.77	19.89	19.82	19.87				
15	16QAM	1	0	19.84	19.80	19.88	19.86	19.88				
15	16QAM	1	37	20.04	20.03	19.99	20.02	19.95	20.8	0		
15	16QAM	1	74	19.78	19.74	19.82	19.70	19.73				
15	16QAM	36	0	19.87	19.93	19.96	19.89	19.84				
15	16QAM	36	20	19.85	19.92	19.96	19.83	19.93				
15	16QAM	36	39	19.82	19.82	19.80	19.79	19.80	20.8	0		
15	16QAM	75	0	19.90	19.86	19.90	19.90	19.78				
15	64QAM	1	0	19.71	19.77	19.86	19.77	19.78				
15	64QAM	1	37	19.97	19.81	19.95	19.82	19.86				
15	64QAM	1	74	19.76	19.74	19.73	19.71	19.75	20.8	0		
15	64QAM	36	0	19.80	19.83	19.95	19.89	19.84				
15	64QAM	36	20	19.94	19.95	20.00	19.92	19.96				
15	64QAM	36	39	19.81	19.82	19.88	19.81	19.78				
15	64QAM	75	0	19.81	19.82	19.93	19.86	19.91	20.8	0		
Channel				39700	40160	40620	41080	41540				
Frequency (MHz)				2501	2547	2593	2639	2685				
10	QPSK	1	0	19.86	19.95	19.93	19.88	19.87	20.80	0		
10	QPSK	1	25	19.91	19.93	20.02	19.95	19.97				
10	QPSK	1	49	19.65	19.75	19.75	19.69	19.68				
10	QPSK	25	0	19.74	19.78	19.94	19.77	19.95				
10	QPSK	25	12	19.83	19.87	19.85	19.82	19.83	20.8	0		
10	QPSK	25	25	19.77	19.80	19.83	19.80	19.85				
10	QPSK	50	0	19.75	19.83	19.92	19.83	19.86				
10	16QAM	1	0	19.85	19.83	19.86	19.87	19.83				
10	16QAM	1	25	20.00	20.03	20.07	19.95	19.99	20.8	0		
10	16QAM	1	49	19.77	19.77	19.79	19.69	19.75				
10	16QAM	25	0	19.93	19.91	19.90	19.91	19.85				
10	16QAM	25	12	19.83	19.99	19.90	19.82	19.83				
10	16QAM	25	25	19.76	19.83	19.81	19.83	19.74	20.8	0		
10	16QAM	50	0	19.85	19.82	19.90	19.90	19.84				
10	64QAM	1	0	19.74	19.77	19.76	19.73	19.71				
10	64QAM	1	25	19.88	19.87	19.90	19.87	19.87				
10	64QAM	1	49	19.70	19.74	19.70	19.70	19.69	20.8	0		
10	64QAM	25	0	19.81	19.95	19.98	19.83	19.87				
10	64QAM	25	12	19.95	19.96	19.93	19.97	19.92				
10	64QAM	25	25	19.79	19.85	19.85	19.78	19.82				
10	64QAM	50	0	19.81	19.77	19.88	19.85	19.81	20.80	0		
Channel				39675	40148	40620	41093	41565				
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5				
5	QPSK	1	0	19.88	19.96	19.89	19.83	19.86	20.80	0		
5	QPSK	1	12	19.94	19.89	20.08	19.96	19.96				
5	QPSK	1	24	19.65	19.73	19.77	19.68	19.75				
5	QPSK	12	0	19.76	19.84	19.90	19.81	19.87				
5	QPSK	12	7	19.84	19.88	19.88	19.86	19.88	20.8	0		
5	QPSK	12	13	19.73	19.87	19.79	19.79	19.86				
5	QPSK	25	0	19.78	19.83	19.96	19.80	19.93				
5	16QAM	1	0	19.83	19.79	19.84	19.90	19.83				
5	16QAM	1	12	20.01	20.01	20.02	19.93	20.00	20.8	0		
5	16QAM	1	24	19.70	19.71	19.86	19.73	19.77				
5	16QAM	12	0	19.87	19.90	19.93	19.88	19.82				
5	16QAM	12	7	19.81	19.97	19.99	19.83	19.83				
5	16QAM	12	13	19.74	19.78	19.79	19.80	19.76	20.8	0		
5	16QAM	25	0	19.88	19.86	19.84	19.80	19.84				
5	64QAM	1	0	19.73	19.79	19.75	19.72	19.71				
5	64QAM	1	12	19.89	19.79	19.95	19.84	19.90				
5	64QAM	1	24	19.65	19.74	19.74	19.66	19.75	20.8	0		
5	64QAM	12	0	19.83	19.90	19.89	19.88	19.87				
5	64QAM	12	7	19.95	19.92	19.95	19.92	19.99				
5	64QAM	12	13	19.69	19.86	19.85	19.82	19.83				
5	64QAM	25	0	19.79	19.82	19.86	19.82	19.91				

Band 41_Ant14														
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)				
Channel				39750	40185	40620	41055	41490						
Frequency (MHz)				2506	2549.5	2593	2636.5	2680						
20	QPSK	1	0	19.05	19.08	19.12	19.06	19.09	20.3	0				
20	QPSK	1	49	19.28	19.27	19.35	19.28	19.27						
20	QPSK	1	99	19.05	19.04	19.08	19.04	19.04						
20	QPSK	50	0	19.17	19.21	19.31	19.24	19.25						
20	QPSK	25	24	19.14	19.11	19.24	19.20	19.17	20.3	0				
20	QPSK	50	50	19.09	19.03	19.12	19.03	19.08						
20	QPSK	100	0	19.19	19.20	19.29	19.20	19.27						
20	16QAM	1	0	19.15	19.16	19.23	19.23	19.18						
20	16QAM	1	49	19.24	19.32	19.34	19.27	19.29	20.3	0				
20	16QAM	1	99	19.06	19.05	19.15	19.05	19.10						
20	16QAM	50	0	19.24	19.25	19.26	19.25	19.21						
20	16QAM	50	24	19.15	19.17	19.24	19.19	19.21						
20	16QAM	50	50	19.12	19.15	19.18	19.12	19.14	20.3	0				
20	16QAM	100	0	19.18	19.23	19.24	19.24	19.14						
20	64QAM	1	0	19.11	19.08	19.12	19.03	19.09						
20	64QAM	1	49	19.22	19.25	19.26	19.27	19.21						
20	64QAM	1	99	19.07	19.05	19.10	19.07	19.04	20.3	0				
20	64QAM	50	0	19.16	19.18	19.25	19.16	19.15						
20	64QAM	50	24	19.22	19.18	19.23	19.15	19.17						
20	64QAM	50	50	19.07	19.15	19.15	19.15	19.07						
20	64QAM	100	0	19.15	19.15	19.22	19.13	19.18	20.3	0				
Channel				39725	40173	40620	41068	41515						
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5			Tune-up limit (dbm)	MPR (db)		
15	QPSK	1	0	19.02	19.03	19.02	18.97	19.03			20.30	0		
15	QPSK	1	37	19.18	19.15	19.29	19.26	19.15						
15	QPSK	1	74	18.93	18.99	18.97	18.99	19.02						
15	QPSK	36	0	19.15	19.19	19.23	19.20	19.13						
15	QPSK	36	20	19.10	19.02	19.13	19.10	19.15	20.3	0				
15	QPSK	36	39	19.05	19.04	19.01	18.95	18.98						
15	QPSK	75	0	19.10	19.11	19.20	19.18	19.17						
15	16QAM	1	0	19.05	19.14	19.15	19.21	19.16						
15	16QAM	1	37	19.22	19.23	19.26	19.24	19.18	20.3	0				
15	16QAM	1	74	19.00	19.03	19.13	18.99	19.05						
15	16QAM	36	0	19.15	19.21	19.24	19.20	19.14						
15	16QAM	36	20	19.04	19.14	19.22	19.14	19.17						
15	16QAM	36	39	19.05	19.04	19.16	19.03	19.11	20.3	0				
15	16QAM	75	0	19.14	19.12	19.22	19.14	19.02						
15	64QAM	1	0	19.09	19.01	19.04	19.01	19.04						
15	64QAM	1	37	19.17	19.20	19.19	19.20	19.17						
15	64QAM	74	18.96	19.08	18.96	19.00	19.00	19.00	20.3	0				
15	64QAM	36	0	19.10	19.08	19.19	19.11	19.04						
15	64QAM	36	20	19.13	19.13	19.11	19.11	19.14						
15	64QAM	36	39	19.02	19.12	19.08	19.05	19.05						
15	64QAM	75	0	19.11	19.03	19.17	19.09	19.08						
Channel				39700	40160	40620	41080	41540	Tune-up limit (dbm)	MPR (db)				
Frequency (MHz)				2501	2547	2593	2639	2685	20.30	0				
10	QPSK	1	0	19.01	19.02	19.01	18.99	19.03						
10	QPSK	1	25	19.19	19.15	19.23	19.16	19.13						
10	QPSK	1	49	18.96	18.90	19.02	18.93	18.90						
10	QPSK	25	0	19.03	19.16	19.27	19.18	19.17	20.3	0				
10	QPSK	25	12	19.05	19.07	19.10	19.09	19.04						
10	QPSK	25	25	19.03	18.99	19.03	18.98	19.03						
10	QPSK	50	0	19.15	19.14	19.15	19.16	19.14						
10	16QAM	1	0	19.10	19.02	19.14	19.10	19.13	20.3	0				
10	16QAM	1	25	19.12	19.28	19.29	19.13	19.24						
10	16QAM	1	49	18.98	18.96	19.01	18.96	18.97						
10	16QAM	25	0	19.20	19.11	19.21	19.20	19.14						
10	16QAM	25	12	19.04	19.11	19.12	19.13	19.12	20.3	0				
10	16QAM	25	25	19.00	19.05	19.08	19.07	19.07						
10	16QAM	50	0	19.08	19.01	19.17	19.20	19.02						
10	64QAM	1	0	19.001	19.01	19.06	18.97	19.02						
10	64QAM	1	25	19.12	19.18	19.17	19.16	19.13	20.3	0				
10	64QAM	1	49	19.01	18.98	19.05	18.94	19.00						
10	64QAM	25	0	19.04	19.12	19.18	19.14	19.08						
10	64QAM	25	12	19.17	19.13	19.11	19.02	19.12						
10	64QAM	25	25	18.98	19.06	19.08	19.04	18.96	20.3	0				
10	64QAM	50	0	19.08	19.07	19.11	19.06	19.05						
Channel				39675	40148	40620	41093	41565			Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5			20.30	0		
5	QPSK	1	0	18.95	18.96	19.06	18.95	18.96						
5	QPSK	1	12	19.16	19.15	19.24	19.19	19.17						
5	QPSK	1	24	18.99	18.97	19.00	18.95	18.93						
5	QPSK	12	0	19.06	19.16	19.17	19.15	19.21	20.3	0				
5	QPSK	12	7	19.06	18.98	19.17	19.09	19.09						
5	QPSK	12	13	19.03	18.95	19.07	18.92	19.01						
5	QPSK	25	0	19.07	19.11	19.21	19.16	19.14						
5	16QAM	1	0	19.04	19.03	19.18	19.14	19.12	20.3	0				
5	16QAM	1	12	19.12	19.24	19.22	19.16	19.21						
5	16QAM	1	24	18.96	18.94	19.02	18.97	18.97						
5	16QAM	12	0	19.11	19.17	19.12	19.14	19.10						
5	16QAM	12	7	19.11	19.09	19.12	19.11	19.10	20.3	0				
5	16QAM	12	13	19.06	19.01	19.10	19.01	19.00						
5	16QAM	25	0	19.08	19.16	19.14	19.17	19.04						
5	64QAM	1	0	19.04	19.07	19.05	18.99	18.99						
5	64QAM	1	12	19.18	19.12	19.24	19.17	19.14	20.3	0				
5	64QAM	1	24	18.96	18.95	19.04	18.93	18.99						
5	64QAM	12	0	19.09	19.11	19.18	19.10	19.11						
5	64QAM	12	7	19.15	19.14	19.13	19.06	19.05						
5	64QAM	12	13	18.94	19.11	19.09	19.05	19.01	20.3	0				
5	64QAM	25	0	19.02	19.06	19.14	19.09	19.04						



DSI 6 Power

Band 2_Ant14													
BW (MHz)	Modulation	RB Size	RB Offset	Power Lvl Ch / Freqs	Power Lvl Ch / Freqs	Power Lvl Ch / Freqs	Power Lvl Ch / Freqs	Time-up Int. (sec)	MPR (dB)				
Channel													
Frequency (MHz)													
20	QPSK	1	0	16.17	16.24	16.22							
20	QPSK	1	49	16.23	16.30	16.31				17.5	0		
20	QPSK	1	99	16.30	16.34	16.31							
20	QPSK	50	0	16.16	16.21	16.18							
20	QPSK	50	24	16.16	16.23	16.12				17.5	0		
20	QPSK	50	49	16.16	16.22	16.21							
20	QPSK	100	0	16.15	16.16	16.16							
20	16QAM	1	0	16.25	16.31	16.22				17.5	0		
20	16QAM	1	49	16.30	16.32	16.33							
20	16QAM	1	99	16.32	16.33	16.33							
20	16QAM	50	0	16.27	16.30	16.24							
20	16QAM	50	24	16.16	16.29	16.21							
20	16QAM	50	49	16.16	16.29	16.29							
20	16QAM	100	0	16.24	16.32	16.29							
20	16QAM	1	0	16.22	16.31	16.18							
20	16QAM	1	49	16.34	16.35	16.23							
20	16QAM	1	99	16.37	16.33	16.18							
20	16QAM	50	0	16.29	16.34	16.21							
20	16QAM	50	24	16.24	16.35	16.34							
20	16QAM	50	49	16.16	16.34	16.36							
20	16QAM	100	0	16.21	16.34	16.28							
Channel													
Frequency (MHz)													
16	QPSK	1	0	16.02	16.17	16.13							
16	QPSK	1	37	16.10	16.22	16.16				17.5	0		
16	QPSK	1	74	16.06	16.10	16.07							
16	QPSK	36	0	16.02	16.10	16.00							
16	QPSK	36	37	16.07	16.23	16.12							
16	QPSK	36	74	16.10	16.10	16.12							
16	QPSK	75	0	16.00	16.24	16.12							
16	QPSK	1	0	16.23	16.23	16.11							
16	16QAM	1	37	16.24	16.31	16.08							
16	16QAM	1	74	16.05	16.21	16.03							
16	16QAM	36	0	16.10	16.28	16.13							
16	16QAM	36	37	16.02	16.15	16.12							
16	16QAM	36	74	16.04	16.16	16.05							
16	16QAM	75	0	16.14	16.20	16.14							
16	16QAM	1	0	16.08	16.26	16.08							
16	16QAM	1	37	16.06	16.22	16.21				17.5	0		
16	16QAM	1	74	16.07	16.12	16.08							
16	16QAM	36	0	16.17	16.31	16.13							
16	16QAM	36	37	16.02	16.20	16.16							
16	16QAM	36	74	16.08	16.22	16.21							
16	16QAM	75	0	16.07	16.31	16.25							
Channel													
Frequency (MHz)													
10	QPSK	1	0	16.07	16.11	16.11							
10	QPSK	1	25	16.14	16.06	16.16				17.5	0		
10	QPSK	1	49	16.01	16.03	16.08							
10	QPSK	25	0	16.05	16.20	16.05							
10	QPSK	25	12	16.00	16.09	16.03				17.5	0		
10	QPSK	25	25	16.00	16.18	16.12							
10	QPSK	50	0	16.08	16.16	16.10							
10	16QAM	1	25	16.10	16.30	16.15				17.5	0		
10	16QAM	1	25	16.10	16.23	16.20							
10	16QAM	1	49	16.07	16.17	16.13							
10	16QAM	1	25	16.07	16.27	16.21							
10	16QAM	25	12	16.03	16.24	16.12				17.5	0		
10	16QAM	25	25	16.07	16.28	16.07							
10	16QAM	50	0	16.06	16.22	16.21				17.5	0		
10	16QAM	1	25	16.07	16.20	16.07							
10	16QAM	1	25	16.10	16.24	16.19							
10	16QAM	25	12	16.12	16.29	16.19							
10	16QAM	25	25	16.05	16.20	16.22							
10	16QAM	50	0	16.14	16.25	16.24							
Channel													
Frequency (MHz)													
5	QPSK	1	0	16.10	16.11	16.08							
5	QPSK	1	12	16.16	16.21	16.27				17.5	0		
5	QPSK	1	25	16.04	16.16	16.06							
5	QPSK	12	0	16.07	16.17	16.06							
5	QPSK	12	7	16.14	16.06	16.04							
5	QPSK	12	25	16.02	16.15	16.02				17.5	0		
5	QPSK	25	0	16.02	16.16	16.06							
5	16QAM	1	0	16.17	16.29	16.09							
5	16QAM	1	12	16.16	16.27	16.16				17.5	0		
5	16QAM	1	24	16.10	16.14	16.14							
5	16QAM	12	0	16.20	16.21	16.13							
5	16QAM	12	7	16.10	16.14	16.17							
5	16QAM	12	25	16.06	16.16	16.06							
5	16QAM	25	0	16.20	16.24	16.23				17.5	0		
5	16QAM	1	0	16.14	16.23	16.08							
5	16QAM	1	12	16.10	16.20	16.11							
5	16QAM	1	25	16.02	16.15	16.15							
5	16QAM	12	0	16.20	16.29	16.18							
5	16QAM	12	7	16.21	16.20	16.25							
5	16QAM	12	25	16.10	16.13	16.13							
5	16QAM	25	0	16.15	16.22	16.18							
Channel													
Frequency (MHz)													
3	QPSK	1	0	16.03	16.23	16.19							
3	QPSK	1	8	16.06	16.24	16.19				17.5	0		
3	QPSK	1	14	16.03	16.08	16.07							
3	QPSK	1	8	16.08	16.14	16.08							
3	QPSK	8	0	16.09	16.26	16.05							
3	QPSK	8	7	16.11	16.23	16.14							
3	QPSK	16	0	16.09	16.21	16.05							
3	16QAM	1	0	16.10	16.27	16.11							
3	16QAM	1	8	16.04	16.18	16.00				17.5	0		
3	16QAM	1	14	16.11	16.16	16.07							
3	16QAM	8	0	16.23	16.15	16.10							
3	16QAM	8	4	16.03	16.20	16.11							
3	16QAM	8	7	16.02	16.23	16.06							
3	16QAM	16	0	16.14	16.22	16.16							
3	16QAM	1	0	16.10	16.17	16.13							
3	16QAM	1	8	16.10	16.25	16.15							
3	16QAM	1	14	16.01	16.21	16.09							
3	16QAM	8	0	16.17	16.19	16.09							
3	16QAM	8	4	16.09	16.26	16.26				17.5	0		
3	16QAM	8	7	16.18	16.23	16.21							
3	16QAM	16	0	16.12	16.30	16.15							
Channel													
Frequency (MHz)													
1.4	QPSK	1	0	16.14	16.22	16.16							
1.4	QPSK	1	3	16.21	16.22	16.17							
1.4	QPSK	1	5	16.07	16.04	16.04				17.5	0		
1.4	QPSK	3	0	16.07	16.19	16.00							
1.4	QPSK	3	1	16.07	16.20	16.00							
1.4	QPSK	3	3	16.06	16.09	16.12							
1.4	QPSK	3	5	16.07	16.22	16.10				17.5	0		
1.4	16QAM	1	0	16.11	16.21	16.12							
1.4	16QAM	1	3	16.20	16.24	16.18							
1.4	16QAM	1	5	16.14	16.12	16.11							
1.4	16QAM	3	0	16.10	16.28	16.14							
1.4	16QAM	3	1	16.10	16.21	16.16							
1.4	16QAM	3	3	16.18	16.17	16.08				17.5	0		
1.4	16QAM	3	5	16.16	16.16	16.28							
1.4	16QAM	5	0	16.17	16.25	16.04							
1.4	16QAM	1	0	16.20	16.26	16.20							
1.4	16QAM	1	3	16.23	16.26	16.20							
1.4	16QAM	1	5	16.08	16.14	16.06							
1.4	16QAM	3	0	16.10	16.28	16.20				17.5	0		
1.4	16QAM	3	1	16.12	16.28	16.19							
1.4	16QAM	3	3	16.16	16.22	16.20							
1.4	16QAM	3	5	16.16	16.22	16.24				17.5	0		

Band 2_Ant31											
BW (MHz)	Modulation	RB Size	RB Offset	Power Lvl Ch / Freqs	Power Lvl Ch / Freqs	Power Lvl Ch / Freqs	Power Lvl Ch / Freqs	Time-up Int. (sec)	MPR (dB)		
Channel											
16700 16800 16900 16950											
20	QPSK	1	0	15.25	15.37	15.50					
20	QPSK	1	49	15.51	15.62	15.87		16.5	0		
20	QPSK	1	99	15.26	15.32	15.40					
20	QPSK	50	0	15.51	15.53	15.64					
20	QPSK	50	50	15.52	15.43	15.38		16.5	0		
20	QPSK	100	0	15.33	15.41	15.36					
20	QPSK	100	50	15.44	15.37	15.32					
20	WQAM	1	49	15.54	15.56	15.52		16.5	0		
20	WQAM	1	99	15.37	15.42	15.33					
20	WQAM	50	0	15.28	15.38	15.29					
20	WQAM	50	50	15.38	15.46	15.38		16.5	0		
20	WQAM	50	100	15.30	15.40	15.36					
20	WQAM	100	0	15.38	15.32	15.28					
20	WQAM	100	50	15.36	15.47	15.42		16.5	0		
20	WQAM	1	49	15.25	15.31	15.20					
20	WQAM	50	0	15.31	15.42	15.52					
20	WQAM	50	50	15.42	15.44	15.38		16.5			
20	WQAM	50	100	15.27	15.38	15.38					
20	WQAM	100	0	15.32	15.41	15.35					
Frequency (MHz)											
16850 16900 16950											
15	QPSK	1	0	15.21	15.38	15.44		Time-up Int. (sec)	MPR (dB)		
15	QPSK	1	37	15.45	15.56	15.44		16.5	0		
15	QPSK	1	74	15.18	15.24	15.25					
15	QPSK	1	111	15.41	15.38	15.32					
15	QPSK	36	20	15.23	15.36	15.28					
15	QPSK	36	56	15.29	15.30	15.30					
15	QPSK	36	86	15.25	15.47	15.37					
15	WQAM	1	0	15.28	15.38	15.33					
15	WQAM	1	37	15.52	15.45	15.47		16.5	0		
15	WQAM	1	74	15.28	15.30	15.28					
15	WQAM	36	20	15.18	15.31	15.27					
15	WQAM	36	56	15.23	15.37	15.32					
15	WQAM	36	86	15.18	15.41	15.28		16.5	0		
15	WQAM	36	20	15.31	15.31	15.28					
15	WQAM	36	56	15.18	15.37	15.32					
15	WQAM	1	0	15.18	15.28	15.28					
15	WQAM	1	37	15.33	15.36	15.32		16.5	0		
15	WQAM	1	74	15.26	15.28	15.17					
15	WQAM	36	20	15.22	15.36	15.27					
15	WQAM	36	56	15.30	15.30	15.31		16.5	0		
15	WQAM	36	86	15.19	15.31	15.25					
15	WQAM	75	0	15.20	15.30	15.25		Time-up Int. (sec)	MPR (dB)		
Channel											
16950 16960 16970											
10	QPSK	1	0	15.21	15.24	15.23					
10	QPSK	1	25	15.42	15.50	15.28		16.5	0		
10	QPSK	1	50	15.19	15.28	15.27					
10	QPSK	25	0	15.43	15.48	15.32					
10	QPSK	25	12	15.23	15.34	15.27		16.5	0		
10	QPSK	25	37	15.26	15.37	15.27					
10	QPSK	50	0	15.28	15.37	15.31					
10	WQAM	1	0	15.22	15.37	15.25					
10	WQAM	1	25	15.43	15.48	15.38					
10	WQAM	1	50	15.24	15.38	15.30		16.5	0		
10	WQAM	25	0	15.15	15.25	15.22					
10	WQAM	25	12	15.29	15.34	15.28		16.5	0		
10	WQAM	25	37	15.26	15.37	15.27					
10	WQAM	50	0	15.26	15.34	15.17					
10	WQAM	1	0	15.19	15.25	15.21					
10	WQAM	1	25	15.29	15.38	15.38		16.5			
10	WQAM	25	0	15.15	15.25	15.22					
10	WQAM	25	12	15.38	15.37	15.28		16.5	0		
10	WQAM	25	37	15.28	15.38	15.28					
10	WQAM	50	0	15.22	15.31	15.24					
Channel											
16970 16980 16990											
5	QPSK	1	0	15.15	15.36	15.26		Time-up Int. (sec)	MPR (dB)		
5	QPSK	1	12	15.37	15.57	15.43		16.5	0		
5	QPSK	1	24	15.15	15.22	15.22					
5	QPSK	12	0	15.37	15.48	15.37					
5	QPSK	12	12	15.26	15.37	15.26		16.5	0		
5	QPSK	12	13	15.28	15.30	15.25					
5	QPSK	25	0	15.26	15.47	15.34					
5	WQAM	1	0	15.23	15.37	15.24		16.5	0		
5	WQAM	1	12	15.45	15.45	15.48					
5	WQAM	1	24	15.28	15.37	15.28					
5	WQAM	12	0	15.21	15.27	15.18					
5	WQAM	12	12	15.24	15.34	15.24		16.5	0		
5	WQAM	12	13	15.16	15.32	15.25					
5	WQAM	25	0	15.23	15.30	15.20					
5	WQAM	1	0	15.15	15.31	15.23					
5	WQAM	1	12	15.26	15.34	15.28		16.5	0		
5	WQAM	1	24	15.18	15.21	15.14					
5	WQAM	12	0	15.17	15.28	15.18					
5	WQAM	12	12	15.21	15.31	15.21		16.5	0		
5	WQAM	12	13	15.21	15.33	15.27					
5	WQAM	25	0	15.26	15.36	15.25					
Channel											
16990 16995 17000											
3	QPSK	1	0	15.19	15.28	15.21		Time-up Int. (sec)	MPR (dB)		
3	QPSK	1	8	15.45	15.51	15.41		16.5	0		
3	QPSK	1	14	15.21	15.27	15.26					
3	QPSK	1	22	15.37	15.47	15.36					
3	QPSK	8	4	15.20	15.36	15.27		16.5	0		
3	QPSK	8	7	15.19	15.32	15.28					
3	QPSK	15	0	15.22	15.38	15.28					
3	WQAM	1	0	15.26	15.34	15.28		16.5	0		
3	WQAM	1	8	15.56	15.50	15.41					
3	WQAM	1	14	15.28	15.31	15.21		16.5	0		
3	WQAM	8	4	15.15	15.35	15.25					
3	WQAM	8	4	15.29	15.36	15.32		16.5	0		
3	WQAM	8	7	15.24	15.28	15.30					
3	WQAM	15	0	15.20	15.26	15.16					
3	WQAM	1	0	15.23	15.30	15.20		16.5	0		
3	WQAM	1	14	15.17	15.23	15.12					
3	WQAM	8	4	15.15	15.35	15.25					
3	WQAM	8	4	15.38	15.32	15.34		16.5	0		
3	WQAM	8	7	15.23	15.29	15.27					
3	WQAM	15	0	15.28	15.36	15.26		Time-up Int. (sec)	MPR (dB)		
Frequency (MHz)											
18007 18008 18009.3											
1.4	QPSK	1	0	15.14	15.24	15.19					
1.4	QPSK	1	3	15.38	15.59	15.32		16.5	0		
1.4	QPSK	1	6	15.17	15.24	15.17					
1.4	QPSK	3	0	15.43	15.40	15.38					
1.4	QPSK	1	1	15.21	15.35	15.31					
1.4	QPSK	3	3	15.25	15.37	15.31		16.5	0		
1.4	QPSK	1	6	15.37	15.43	15.38					
1.4	WQAM	1	0	15.23	15.31	15.28					
1.4	WQAM	1	3	15.40	15.43	15.40		16.5	0		
1.4	WQAM	3	0	15.27	15.38	15.31					
1.4	WQAM	3	0	15.22	15.27	15.25		16.5	0		
1.4	WQAM	1	1	15.25	15.37	15.28					
1.4	WQAM	3	3	15.28	15.36	15.24					
1.4	WQAM	1	6	15.37	15.38	15.28		16.5	0		
1.4	WQAM	1	0	15.17	15.25	15.21					
1.4	WQAM	1	3	15.29	15.34	15.38					
1.4	WQAM	3	1	15.24	15.24	15.15		16.5	0		
1.4	WQAM	3	0	15.27	15.33	15.32					
1.4	WQAM	3	1	15.29	15.35	15.32					
1.4	WQAM	3	3	15.15	15.29	15.25		16.5	0		

Band 5_Ant11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq.	Power High Ch./F.Freq.	Power Max Ch./F.Freq.	Turn-up time (min)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	19.39	19.38	19.37			
10	QPSK	1	25	19.55	19.52	19.49	20.8	0	
10	QPSK	1	49	19.48	19.57	19.45			
10	QPSK	25	0	19.44	19.46	19.38			
10	QPSK	25	12	19.36	19.54	19.47	20.8	0	
10	QPSK	25	25	19.24	19.34	19.42			
10	QPSK	50	0	19.39	19.44	19.29			
10	HQAM	1	0	19.42	19.54	19.50			
10	HQAM	1	25	19.52	19.45	19.49	20.8	0	
10	HQAM	1	49	19.47	19.55	19.54			
10	HQAM	25	0	19.41	19.56	19.58			
10	HQAM	25	12	19.39	19.54	19.39	20.8	0	
10	HQAM	25	25	19.49	19.56	19.48			
10	HQAM	50	0	19.54	19.45	19.44			
10	HQAM	1	0	19.43	19.51	19.45			
10	HQAM	1	25	19.58	19.48	19.24	20.8	0	
10	HQAM	1	49	19.55	19.43	19.49			
10	HQAM	25	0	19.38	19.51	19.48			
10	HQAM	25	12	19.50	19.53	19.57	20.8	0	
10	HQAM	25	25	19.46	19.46	19.52			
10	HQAM	50	0	19.47	19.59	19.38			
Channel									
Frequency (MHz)									
5	QPSK	1	0	19.48	19.59	19.24	Turn-up time (min)	MPR (dB)	
5	QPSK	1	12	19.29	19.57	19.26	20.8	0	
5	QPSK	1	24	19.39	19.44	19.42			
5	QPSK	12	0	19.40	19.44	19.33			
5	QPSK	12	7	19.43	19.41	19.45	20.8	0	
5	QPSK	12	13	19.28	19.52	19.27			
5	QPSK	25	0	19.34	19.40	19.19			
5	HQAM	1	0	19.40	19.53	19.24	20.8	0	
5	HQAM	1	12	19.35	19.39	19.44			
5	HQAM	1	24	19.35	19.44	19.54			
5	HQAM	12	0	19.34	19.48	19.53			
5	HQAM	12	7	19.37	19.42	19.47	20.8	0	
5	HQAM	12	13	19.38	19.52	19.43			
5	HQAM	25	0	19.40	19.43	19.41			
5	HQAM	1	0	19.24	19.50	19.35	20.8	0	
5	HQAM	1	12	19.25	19.35	19.23			
5	HQAM	1	24	19.43	19.46	19.48			
5	HQAM	12	0	19.36	19.43	19.45			
5	HQAM	12	7	19.37	19.42	19.45	20.8	0	
5	HQAM	12	13	19.46	19.35	19.20			
5	HQAM	25	0	19.36	19.46	19.38			
Channel									
Frequency (MHz)									
3	QPSK	1	0	19.37	19.48	19.32	Turn-up time (min)	MPR (dB)	
3	QPSK	1	8	19.31	19.53	19.26	20.8	0	
3	QPSK	1	14	19.45	19.47	19.36			
3	QPSK	8	0	19.37	19.44	19.36			
3	QPSK	8	4	19.32	19.44	19.35	20.8	0	
3	QPSK	8	7	19.23	19.36	19.29			
3	QPSK	16	0	19.38	19.37	19.22			
3	HQAM	1	0	19.42	19.36	19.45	20.8	0	
3	HQAM	1	14	19.35	19.54	19.54			
3	HQAM	8	0	19.40	19.51	19.43			
3	HQAM	8	4	19.34	19.44	19.36	20.8	0	
3	HQAM	8	7	19.40	19.47	19.38			
3	HQAM	16	0	19.42	19.53	19.47			
3	HQAM	1	0	19.28	19.55	19.35	20.8	0	
3	HQAM	1	8	19.30	19.47	19.26			
3	HQAM	1	14	19.50	19.37	19.40			
3	HQAM	8	0	19.39	19.52	19.39	20.8	0	
3	HQAM	8	4	19.33	19.53	19.47			
3	HQAM	8	7	19.37	19.44	19.25			
3	HQAM	16	0	19.40	19.49	19.37	Turn-up time (min)	MPR (dB)	
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	19.34	19.45	19.37			
1.4	QPSK	1	3	19.21	19.57	19.39	20.8	0	
1.4	QPSK	1	5	19.45	19.42	19.37			
1.4	QPSK	3	0	19.37	19.35	19.29			
1.4	QPSK	3	1	19.31	19.39	19.36			
1.4	QPSK	3	3	19.29	19.50	19.27	20.8	0	
1.4	QPSK	6	0	19.28	19.33	19.19			
1.4	HQAM	1	0	19.43	19.46	19.55			
1.4	HQAM	1	3	19.45	19.37	19.52	20.8	0	
1.4	HQAM	3	0	19.39	19.52	19.39			
1.4	HQAM	3	0	19.44	19.45	19.53	20.8	0	
1.4	HQAM	3	1	19.27	19.50	19.35			
1.4	HQAM	3	3	19.37	19.44	19.49			
1.4	HQAM	6	0	19.39	19.43	19.40	20.8	0	
1.4	HQAM	1	0	19.36	19.55	19.41			
1.4	HQAM	1	3	19.25	19.39	19.20			
1.4	HQAM	3	0	19.40	19.35	19.43	20.8	0	
1.4	HQAM	3	0	19.32	19.52	19.48			
1.4	HQAM	3	1	19.38	19.43	19.53			
1.4	HQAM	3	3	19.24	19.41	19.21	20.8	0	
1.4	HQAM	6	0	19.40	19.48	19.45			

Band 5_Ant41									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq.	Power High Ch./F.Freq.	Power Max Ch./F.Freq.	Turn-up time (min)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	20.5	20.68	20.67	21.8	0	
10	QPSK	1	25	20.61	20.72	20.58			
10	QPSK	1	49	20.54	20.58	20.68			
10	QPSK	25	0	20.48	20.63	20.48	21.8	0	
10	QPSK	25	12	20.63	20.69	20.61			
10	QPSK	25	25	20.42	20.54	20.62			
10	QPSK	50	0	20.57	20.57	20.49	21.8	0	
10	HQAM	1	0	20.59	20.59	20.48			
10	HQAM	1	25	20.42	20.55	20.65			
10	HQAM	1	49	20.49	20.7	20.6	21.8	0	
10	HQAM	25	0	20.58	20.64	20.54			
10	HQAM	25	12	20.45	20.61	20.51			
10	HQAM	25	25	20.45	20.69	20.48	21.8	0	
10	HQAM	50	0	20.58	20.66	20.61			
10	HQAM	1	0	20.43	20.6	20.65			
10	HQAM	1	25	20.41	20.7	20.59	21.8	0	
10	HQAM	1	49	20.47	20.65	20.58			
10	HQAM	25	0	20.6	20.7	20.6			
10	HQAM	25	12	20.67	20.7	20.65	21.8	0	
10	HQAM	25	25	20.63	20.6	20.71			
10	HQAM	50	0	20.61	20.7	20.71			
Channel									
Frequency (MHz)									
5	QPSK	1	0	20.59	20.62	20.52	21.8	0	
5	QPSK	1	12	20.54	20.54	20.47			
5	QPSK	1	24	20.46	20.51	20.55			
5	QPSK	12	0	20.39	20.54	20.31	21.8	0	
5	QPSK	12	7	20.50	20.46	20.35			
5	QPSK	12	13	20.33	20.59	20.44			
5	QPSK	25	0	20.38	20.54	20.35	21.8	0	
5	HQAM	1	0	20.48	20.48	20.38			
5	HQAM	1	12	20.29	20.46	20.38			
5	HQAM	1	24	20.42	20.64	20.47	21.8	0	
5	HQAM	12	0	20.41	20.52	20.48			
5	HQAM	12	7	20.29	20.45	20.44			
5	HQAM	12	13	20.38	20.53	20.35	21.8	0	
5	HQAM	25	0	20.55	20.59	20.51			
5	HQAM	1	0	20.37	20.49	20.53			
5	HQAM	1	12	20.35	20.51	20.53	21.8	0	
5	HQAM	1	24	20.22	20.49	20.44			
5	HQAM	12	0	20.47	20.61	20.71			
5	HQAM	12	7	20.48	20.54	20.54	21.8	0	
5	HQAM	12	13	20.40	20.45	20.62			
5	HQAM	25	0	20.48	20.51	20.58			
Channel									
Frequency (MHz)									
3	QPSK	1	0	20.32	20.59	20.61	21.8	0	
3	QPSK	1	8	20.54	20.64	20.39			
3	QPSK	1	14	20.47	20.40	20.49			
3	QPSK	8	0	20.43	20.43	20.33	21.8	0	
3	QPSK	8	4	20.44	20.59	20.48			
3	QPSK	8	7	20.27	20.38	20.36			
3	QPSK	16	0	20.32	20.63	20.41	21.8	0	
3	HQAM	1	0	20.48	20.43	20.35			
3	HQAM	1	8	20.34	20.40	20.58			
3	HQAM	1	14	20.43	20.63	20.53	21.8	0	
3	HQAM	8	0	20.39	20.47	20.48			
3	HQAM	8	4	20.37	20.42	20.38			
3	HQAM	8	7	20.32	20.63	20.39	21.8	0	
3	HQAM	16	0	20.39	20.64	20.41			
3	HQAM	1	0	20.33	20.55	20.46			
3	HQAM	1	8	20.22	20.56	20.46	21.8	0	
3	HQAM	1	14	20.33	20.50	20.45			
3	HQAM	8	0	20.49	20.50	20.39			
3	HQAM	8	4	20.49	20.51	20.47	21.8	0	
3	HQAM	8	7	20.43	20.45	20.47			
3	HQAM	16	0	20.42	20.47	20.55			
3	HQAM	1	0	20.33	20.47	20.49	21.8	0	
3	HQAM	1	8	20.22	20.56	20.46			
3	HQAM	1	14	20.33	20.50	20.45			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	20.36	20.55	20.57	21.8	0	
1.4	QPSK	1	3	20.65	20.56	20.46			
1.4	QPSK	1	6	20.48	20.49	20.39			
1.4	QPSK	3	0	20.29	20.49	20.39	21.8	0	
1.4	QPSK	3	3	20.47	20.53	20.43			
1.4	QPSK	3	6	20.33	20.29	20.42			
1.4	QPSK	3	9	20.51	20.58	20.48	21.8	0	
1.4	HQAM	1	0	20.45	20.38	20.42			
1.4	HQAM	1	3	20.26	20.39	20.45			
1.4	HQAM	3	0	20.53	20.53	20.43	21.8	0	
1.4	HQAM	3	3	20.49	20.58	20.35			
1.4	HQAM	3	6	20.29	20.45	20.45			
1.4	HQAM	3	9	20.57	20.47	20.36	21.8	0	
1.4	HQAM	1	0	20.38	20.41	20.50			
1.4	HQAM	1	3	20.33	20.60	20.49			
1.4	HQAM	3	0	20.49	20.49	20.39	21.8	0	
1.4	HQAM	3	3	20.44	20.60	20.52			
1.4	HQAM	3	6	20.41	20.63	20.59			
1.4	HQAM	3	9	20.42	20.52	20.39	21.8	0	
1.4	HQAM	1	0	20.31	20.41	20.47			
1.4	HQAM	1	3	20.41	20.41	20.39			

Band 66_Ant14									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F/Freq.	Power Max Ch. F/Freq.	Power High Ch. F/Freq.	Turn-up time (min)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	16.39	16.49	16.34			
20	QPSK	1	49	16.43	16.50	16.51	17.5	0	
20	QPSK	1	99	16.39	16.46	16.27			
20	QPSK	50	0	16.49	16.53	16.48			
20	QPSK	50	24	16.52	16.56	16.46	17.5	0	
20	QPSK	50	25	16.44	16.52	16.44			
20	QPSK	100	0	16.41	16.58	16.47			
20	16QAM	1	0	16.42	16.50	16.40			
20	16QAM	1	49	16.52	16.50	16.52	17.5	0	
20	16QAM	1	99	16.41	16.40	16.25			
20	16QAM	50	0	16.49	16.50	16.48			
20	16QAM	50	24	16.43	16.58	16.46	17.5	0	
20	16QAM	50	25	16.53	16.53	16.49			
20	16QAM	100	0	16.45	16.49	16.44			
20	84QAM	1	0	16.31	16.48	16.41			
20	84QAM	1	49	16.42	16.55	16.47	17.5	0	
20	84QAM	1	99	16.20	16.30	16.27			
20	84QAM	50	0	16.44	16.48	16.52			
20	84QAM	50	24	16.51	16.58	16.45	17.5	0	
20	84QAM	50	25	16.44	16.57	16.48			
20	84QAM	100	0	16.45	16.58	16.59			
Channel									
Frequency (MHz)									
15	QPSK	1	0	16.21	16.42	16.23			
15	QPSK	1	37	16.34	16.52	16.43	17.5	0	
15	QPSK	1	74	16.20	16.27	16.21			
15	QPSK	36	0	16.38	16.50	16.52			
15	QPSK	36	24	16.48	16.45	16.31	17.5	0	
15	QPSK	36	39	16.25	16.40	16.24			
15	QPSK	75	0	16.35	16.38	16.35			
15	16QAM	1	0	16.31	16.39	16.31			
15	16QAM	1	37	16.39	16.39	16.43	17.5	0	
15	16QAM	1	74	16.23	16.38	16.29			
15	16QAM	36	0	16.38	16.40	16.36			
15	16QAM	36	24	16.32	16.40	16.21	17.5	0	
15	16QAM	36	39	16.16	16.36	16.35			
15	16QAM	75	0	16.27	16.31	16.38			
15	84QAM	1	0	16.25	16.29	16.32			
15	84QAM	1	37	16.25	16.47	16.28	17.5	0	
15	84QAM	1	74	16.07	16.20	16.13			
15	84QAM	36	0	16.36	16.30	16.36			
15	84QAM	36	24	16.34	16.40	16.29	17.5	0	
15	84QAM	36	39	16.33	16.43	16.36			
15	84QAM	75	0	16.36	16.51	16.39			
Channel									
Frequency (MHz)									
10	QPSK	1	0	16.26	16.39	16.28			
10	QPSK	1	20	16.32	16.42	16.38	17.5	0	
10	QPSK	1	49	16.14	16.20	16.17			
10	QPSK	12	0	16.34	16.44	16.42			
10	QPSK	25	12	16.37	16.35	16.37	17.5	0	
10	QPSK	25	25	16.27	16.41	16.36			
10	QPSK	50	0	16.28	16.40	16.31			
10	16QAM	1	0	16.26	16.40	16.30			
10	16QAM	1	20	16.36	16.30	16.41	17.5	0	
10	16QAM	1	49	16.33	16.43	16.19			
10	16QAM	12	0	16.30	16.45	16.39			
10	16QAM	25	12	16.31	16.42	16.30	17.5	0	
10	16QAM	25	25	16.13	16.36	16.40			
10	16QAM	50	0	16.37	16.40	16.45			
10	84QAM	1	0	16.16	16.30	16.31			
10	84QAM	1	20	16.23	16.47	16.31	17.5	0	
10	84QAM	1	49	16.00	16.25	16.09			
10	84QAM	12	0	16.15	16.30	16.45			
10	84QAM	25	12	16.40	16.40	16.29	17.5	0	
10	84QAM	25	25	16.25	16.44	16.38			
10	84QAM	50	0	16.27	16.42	16.32			
Channel									
Frequency (MHz)									
5	QPSK	1	0	16.30	16.41	16.28			
5	QPSK	1	12	16.27	16.50	16.33	17.5	0	
5	QPSK	1	24	16.12	16.40	16.23			
5	QPSK	12	0	16.42	16.44	16.41			
5	QPSK	12	7	16.41	16.35	16.33	17.5	0	
5	QPSK	12	14	16.26	16.30	16.29			
5	QPSK	25	0	16.25	16.40	16.25			
5	16QAM	1	0	16.25	16.37	16.28			
5	16QAM	1	12	16.44	16.51	16.46	17.5	0	
5	16QAM	1	24	16.15	16.20	16.11			
5	16QAM	12	0	16.43	16.43	16.41			
5	16QAM	12	7	16.31	16.53	16.38	17.5	0	
5	16QAM	12	14	16.20	16.34	16.24			
5	16QAM	25	0	16.25	16.41	16.36			
5	84QAM	1	0	16.20	16.37	16.22			
5	84QAM	1	12	16.25	16.40	16.41	17.5	0	
5	84QAM	1	24	16.05	16.10	16.14			
5	84QAM	12	0	16.29	16.38	16.43			
5	84QAM	12	7	16.35	16.41	16.25	17.5	0	
5	84QAM	12	14	16.37	16.41	16.39			
5	84QAM	25	0	16.34	16.39	16.29			
Channel									
Frequency (MHz)									
3	QPSK	1	0	16.32	16.36	16.26			
3	QPSK	1	8	16.26	16.40	16.43	17.5	0	
3	QPSK	1	14	16.14	16.31	16.06			
3	QPSK	8	0	16.29	16.36	16.34			
3	QPSK	8	4	16.32	16.47	16.29	17.5	0	
3	QPSK	8	7	16.38	16.37	16.29			
3	QPSK	15	0	16.28	16.36	16.22			
3	16QAM	1	0	16.29	16.39	16.32			
3	16QAM	1	8	16.49	16.35	16.42	17.5	0	
3	16QAM	1	14	16.31	16.35	16.26			
3	16QAM	8	0	16.33	16.45	16.37			
3	16QAM	8	4	16.34	16.40	16.21	17.5	0	
3	16QAM	8	7	16.20	16.35	16.39			
3	16QAM	15	0	16.25	16.33	16.29			
3	84QAM	1	0	16.24	16.42	16.26			
3	84QAM	1	8	16.31	16.39	16.29	17.5	0	
3	84QAM	1	14	16.05	16.28	16.15			
3	84QAM	8	0	16.28	16.40	16.37			
3	84QAM	8	4	16.37	16.39	16.33	17.5	0	
3	84QAM	8	7	16.26	16.48	16.32			
3	84QAM	15	0	16.26	16.44	16.31			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	16.32	16.43	16.32			
1.4	QPSK	1	3	16.30	16.40	16.33	17.5	0	
1.4	QPSK	1	5	16.15	16.26	16.17			
1.4	QPSK	3	0	16.30	16.41	16.39			
1.4	QPSK	3	1	16.38	16.40	16.39			
1.4	QPSK	3	3	16.25	16.38	16.37			
1.4	QPSK	6	0	16.22	16.40	16.25	17.5	0	
1.4	16QAM	1	0	16.34	16.37	16.29			
1.4	16QAM	1	3	16.35	16.35	16.38			
1.4	16QAM	1	5	16.30	16.29	16.28	17.5	0	
1.4	16QAM	3	0	16.32	16.42	16.42			
1.4	16QAM	3	1	16.23	16.47	16.34			
1.4	16QAM	3	3	16.24	16.34	16.37			
1.4	16QAM	6	0	16.20	16.30	16.34	17.5	0	
1.4	84QAM	1	0	16.25	16.40	16.27			
1.4	84QAM	1	3	16.26	16.41	16.32			
1.4	84QAM	1	5	16.03	16.22	16.20	17.5	0	
1.4	84QAM	3	0	16.29	16.39	16.37			
1.4	84QAM	3	1	16.40	16.41	16.34			
1.4	84QAM	3	3	16.28	16.48	16.32			
1.4	84QAM	6	0	16.27	16.50	16.10	17.5	0	

Band 66_Ant31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F/Freq.	Power Max Ch. F/Freq.	Power High Ch. F/Freq.	Turn-up time (min)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	15.94	15.99	15.90			
20	QPSK	1	49	16.11	16.18	16.12	17	0	
20	QPSK	1	99	16.01	16.00	16.03			
20	QPSK	50	0	16.03	16.12	16.08			
20	QPSK	50	24	16.02	16.06	15.96	17	0	
20	QPSK	50	50	16.05	16.05	16.02			
20	QPSK	100	0	15.98	16.07	16.05			
20	16QAM	1	0	16.02	16.05	15.96			
20	16QAM	1	49	16.09	16.15	16.09	17	0	
20	16QAM	1	99	15.94	16.03	15.94			
20	16QAM	50	0	16.01	16.06	16.02			
20	16QAM	50	24	16.02	16.06	16.09	17	0	
20	16QAM	50	50	16.03	16.08	16.05			
20	16QAM	100	0	16.00	16.09	16.08			
20	16QAM	1	0	16.02	16.05	15.96			
20	16QAM	1	49	16.09	16.15	16.09			
20	16QAM	1	99	15.99	16.04	15.90			
20	16QAM	50	0	16.03	16.08	16.01			
20	16QAM	50	24	16.02	16.06	16.09	17	0	
20	16QAM	50	50	16.06	16.10	16.09			
20	16QAM	100	0	16.06	16.08	15.99			
Channel				17072	1746	1772.8	Turn-up time (min)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	0	15.92	16.00	15.93			
15	QPSK	1	37	16.03	16.16	16.08	17	0	
15	QPSK	1	74	16.03	16.04	16.00			
15	QPSK	36	20	16.01	16.02	15.98			
15	QPSK	36	20	15.94	15.96	15.94			
15	QPSK	36	36	15.96	15.97	15.94			
15	QPSK	50	0	16.05	16.05	16.00			
15	16QAM	1	0	15.99	16.03	15.94			
15	16QAM	1	37	16.02	16.08	16.07	17	0	
15	16QAM	1	74	16.06	16.06	16.00			
15	16QAM	36	20	15.99	16.00	15.96			
15	16QAM	36	20	15.95	15.96	15.90			
15	16QAM	36	36	16.00	16.05	16.08			
15	16QAM	50	0	16.01	16.01	16.00			
15	16QAM	50	36	16.04	16.08	16.02	17	0	
15	16QAM	50	36	16.01	16.01	16.00			
Channel									
Frequency (MHz)									
10	QPSK	1	0	15.81	15.90	15.88			
10	QPSK	1	6	15.92	16.00	15.96			
10	QPSK	1	49	15.87	15.93	15.98	17	0	
10	QPSK	25	6	15.85	16.01	15.94			
10	QPSK	25	12	15.90	16.02	15.94	17	0	
10	QPSK	25	18	15.94	16.01	15.98			
10	QPSK	50	0	15.93	16.03	15.98			
10	16QAM	1	0	16.01	16.01	16.07			
10	16QAM	1	49	15.96	16.01	15.97	17	0	
10	16QAM	25	6	15.83	15.97	15.93			
10	16QAM	25	12	15.89	16.05	15.98	17	0	
10	16QAM	25	18	15.93	16.00	15.96			
10	16QAM	50	0	15.92	16.01	16.00			
10	16QAM	1	0	15.85	15.92	15.77			
10	16QAM	1	49	15.90	16.00	15.96	17	0	
10	16QAM	1	49	15.79	15.92	15.88			
10	16QAM	25	6	15.81	15.96	15.97			
10	16QAM	25	12	15.93	15.97	15.91	17	0	
10	16QAM	25	18	15.97	16.00	15.98			
10	16QAM	50	0	16.01	16.07	16.04			
Channel									
Frequency (MHz)									
5	QPSK	1	0	15.73	15.81	15.77			
5	QPSK	1	12	16.01	16.05	15.99	17	0	
5	QPSK	1	24	15.90	15.93	15.98			
5	QPSK	12	0	15.89	15.98	15.98			
5	QPSK	12	6	15.94	15.94	15.90			
5	QPSK	12	13	15.84	15.95	15.91			
5	QPSK	25	0	15.91	15.99	15.91			
5	QPSK	25	6	15.92	16.02	15.98	17	0	
5	16QAM	1	12	15.97	16.08	16.05			
5	16QAM	1	24	15.81	15.95	15.85			
5	16QAM	12	0	15.89	16.01	16.01			
5	16QAM	12	6	15.97	16.00	15.96	17	0	
5	16QAM	12	13	15.85	16.02	15.88			
5	16QAM	25	0	15.91	16.02	16.04			
5	16QAM	25	6	15.99	16.03	16.00	17	0	
5	16QAM	1	12	15.93	15.94	15.98			
5	16QAM	1	24	15.78	15.84	15.85			
5	16QAM	12	0	16.00	16.06	16.01			
5	16QAM	12	6	15.97	16.00	15.96	17	0	
5	16QAM	12	13	15.82	15.98	15.98			
5	16QAM	25	0	15.95	16.04	16.07			
Channel				17072	1746	1772.8	Turn-up time (min)	MPR (dB)	
Frequency (MHz)									
3	QPSK	1	0	15.89	15.88	15.90			
3	QPSK	1	8	15.99	16.00	16.03	17	0	
3	QPSK	1	14	15.80	15.89	15.89			
3	QPSK	8	0	15.99	16.07	15.96			
3	QPSK	8	4	15.89	16.02	15.94			
3	QPSK	8	7	15.93	16.00	15.93			
3	QPSK	1	0	15.83	15.93	15.83			
3	16QAM	1	0	15.92	15.96	15.95			
3	16QAM	1	8	15.97	16.06	15.94			
3	16QAM	1	14	15.82	15.92	15.82			
3	16QAM	8	0	15.93	16.01	16.00			
3	16QAM	8	4	15.84	16.03	16.03			
3	16QAM	8	7	15.93	16.02	15.98			
3	16QAM	1	0	15.86	15.89	15.78			
3	16QAM	1	8	15.96	16.04	16.07			
3	16QAM	1	14	15.77	15.87	15.87			
3	16QAM	8	0	15.97	16.01	16.01			
3	16QAM	8	4	15.86	16.01	16.00			
3	16QAM	8	7	15.97	16.02	16.01			
3	16QAM	1	0	15.80	16.03	15.85			
Channel				17072	1746	1772.8	Turn-up time (min)	MPR (dB)	
Frequency (MHz)									
1.4	QPSK	1	0	15.85	15.84	15.88			
1.4	QPSK	1	8	15.98	16.08	16.03	17	0	
1.4	QPSK	1	9	15.88	15.90	15.93			
1.4	QPSK	3	0	15.92	16.06	16.00			
1.4	QPSK	3	9	15.94	16.06	16.03			
1.4	QPSK	6	0	15.84	15.97	15.87	17	0	
1.4	16QAM	1	0	16.01	16.09	15.84			
1.4	16QAM	1	8	15.98	16.08	16.03	17	0	
1.4	16QAM	3	0	15.94	16.02	16.03			
1.4	16QAM	3	9	15.94	16.03	16.01			
1.4	16QAM	6	0	15.89	16.07	16.02	17	0	
1.4	16QAM	1	0	15.81	15.88	15.79			
1.4	16QAM	1	8	15.96	16.06	16.03			
1.4	16QAM	1	9	15.84	15.88	15.86			
1.4	16QAM	3	0	15.93	16.06	16.06			
1.4	16QAM	3	9	15.95	16.06	16.06			
1.4	16QAM	6	0	15.90	16.03	16.03			
1.4	16QAM	6	9	15.97	16.06	16.05			

Band 38_Ant31										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	19.81	19.78	19.73	20.8	0		
20	QPSK	1	49	20.11	20.05	20.04				
20	QPSK	1	99	19.91	19.86	19.85				
20	QPSK	50	0	19.99	19.98	19.94				
20	QPSK	50	24	19.98	19.94	19.92	20.8	0		
20	QPSK	50	50	19.88	19.80	19.78				
20	QPSK	100	0	19.98	19.96	19.93				
20	16QAM	1	0	19.99	19.94	19.93				
20	16QAM	1	49	20.10	20.03	20.06	20.8	0		
20	16QAM	1	99	19.98	19.90	19.98				
20	16QAM	50	0	19.96	19.96	19.96				
20	16QAM	50	24	19.98	19.88	19.90				
20	16QAM	50	50	19.87	19.86	19.81	20.8	0		
20	16QAM	100	0	19.99	19.91	19.91				
20	64QAM	1	0	19.88	19.82	19.84				
20	64QAM	1	49	20.01	20.00	19.99				
20	64QAM	1	99	19.91	19.81	19.81	20.8	0		
20	64QAM	50	0	19.96	19.95	19.86				
20	64QAM	50	24	19.99	19.95	19.90				
20	64QAM	50	50	19.89	19.88	19.81				
20	64QAM	100	0	19.92	19.90	19.87	Tune-up limit (dBm)		MPR (dB)	
Channel				37825	38000	38175				
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	19.74	19.67	19.63	20.8	0		
15	QPSK	1	37	20.08	19.98	20.01				
15	QPSK	1	74	19.81	19.80	19.73				
15	QPSK	36	0	19.94	19.91	19.87				
15	QPSK	36	20	19.94	19.91	19.86	20.8	0		
15	QPSK	36	39	19.86	19.72	19.67				
15	QPSK	75	0	19.88	19.85	19.83				
15	16QAM	1	0	19.96	19.89	19.86				
15	16QAM	1	37	20.00	19.98	19.97	20.8	0		
15	16QAM	1	74	19.94	19.87	19.87				
15	16QAM	36	0	19.87	19.88	19.88				
15	16QAM	36	20	19.96	19.76	19.86				
15	16QAM	36	39	19.78	19.77	19.76	20.8	0		
15	16QAM	75	0	19.93	19.82	19.83				
15	64QAM	1	0	19.85	19.80	19.78				
15	64QAM	1	37	19.96	19.96	19.93				
15	64QAM	1	74	19.84	19.74	19.69	20.8	0		
15	64QAM	36	0	19.87	19.83	19.81				
15	64QAM	36	20	19.94	19.92	19.78				
15	64QAM	36	39	19.82	19.83	19.70				
15	64QAM	75	0	19.86	19.83	19.76	Tune-up limit (dBm)		MPR (dB)	
Channel				37800	38000	38200				
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	19.69	19.66	19.66	20.8	0		
10	QPSK	1	25	20.06	19.93	19.95				
10	QPSK	1	49	19.83	19.82	19.76				
10	QPSK	25	0	19.91	19.88	19.86				
10	QPSK	25	12	19.85	19.86	19.78	20.8	0		
10	QPSK	25	25	19.82	19.73	19.73				
10	QPSK	50	0	19.89	19.82	19.83				
10	16QAM	1	0	19.87	19.83	19.84				
10	16QAM	1	25	19.96	19.98	19.99	20.8	0		
10	16QAM	1	49	19.88	19.80	19.85				
10	16QAM	25	0	19.85	19.91	19.92				
10	16QAM	25	12	19.84	19.81	19.82				
10	16QAM	25	25	19.77	19.80	19.73	20.8	0		
10	16QAM	50	0	19.90	19.77	19.80				
10	64QAM	1	0	19.74	19.73	19.72				
10	64QAM	1	25	19.87	19.94	19.95				
10	64QAM	1	49	19.78	19.77	19.70	20.8	0		
10	64QAM	25	0	19.90	19.90	19.79				
10	64QAM	25	12	19.94	19.81	19.83				
10	64QAM	25	25	19.76	19.82	19.67				
10	64QAM	50	0	19.88	19.81	19.74	Tune-up limit (dBm)		MPR (dB)	
Channel				37775	38000	38225				
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	19.70	19.68	19.69	20.8	0		
5	QPSK	1	12	20.02	19.94	20.00				
5	QPSK	1	24	19.84	19.74	19.80				
5	QPSK	12	0	19.89	19.87	19.84				
5	QPSK	12	7	19.84	19.87	19.83	20.8	0		
5	QPSK	12	13	19.74	19.68	19.68				
5	QPSK	25	0	19.91	19.89	19.87				
5	16QAM	1	0	19.86	19.85	19.86				
5	16QAM	1	12	20.02	19.89	19.92	20.8	0		
5	16QAM	1	24	19.89	19.84	19.86				
5	16QAM	12	0	19.88	19.82	19.83				
5	16QAM	12	7	19.92	19.79	19.76				
5	16QAM	12	13	19.73	19.75	19.77	20.8	0		
5	16QAM	25	0	19.92	19.80	19.81				
5	64QAM	1	0	19.84	19.68	19.77				
5	64QAM	1	12	19.91	19.91	19.93				
5	64QAM	1	24	19.84	19.73	19.76	20.8	0		
5	64QAM	12	0	19.84	19.86	19.77				
5	64QAM	12	7	19.93	19.86	19.79				
5	64QAM	12	13	19.77	19.84	19.67				
5	64QAM	25	0	19.78	19.83	19.79	Tune-up limit (dBm)		MPR (dB)	

Band 38_Ant14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	19.13	19.05	19.10	20.3	0	
20	QPSK	1	49	19.31	19.23	19.21			
20	QPSK	1	99	19.06	19.06	18.96			
20	QPSK	50	0	19.16	19.15	19.04			
20	QPSK	50	24	19.11	19.02	19.04	20.3	0	
20	QPSK	50	50	19.05	19.03	19.00			
20	QPSK	100	0	19.13	19.11	19.12			
20	16QAM	1	0	19.16	19.15	19.08			
20	16QAM	1	49	19.24	19.24	19.19	20.3	0	
20	16QAM	1	99	19.16	19.14	19.13			
20	16QAM	50	0	19.12	19.09	19.05			
20	16QAM	50	24	19.16	19.11	19.15			
20	16QAM	50	50	19.06	18.99	19.06	20.3	0	
20	16QAM	100	0	19.16	19.10	19.08			
20	64QAM	1	0	19.16	19.11	19.09			
20	64QAM	1	49	19.28	19.18	19.28			
20	64QAM	1	99	19.14	19.11	19.07	20.3	0	
20	64QAM	50	0	19.13	19.04	19.13			
20	64QAM	50	24	19.18	19.12	19.13			
20	64QAM	50	50	19.08	19.02	19.08			
20	64QAM	100	0	19.13	19.07	19.06			
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	19.07	18.93	18.99	20.3	0	
15	QPSK	1	37	19.23	19.16	19.19			
15	QPSK	1	74	19.00	18.96	18.89			
15	QPSK	36	0	19.11	19.09	18.98			
15	QPSK	36	20	19.00	18.91	18.95	20.3	0	
15	QPSK	36	39	18.94	18.96	18.90			
15	QPSK	75	0	19.08	19.04	19.06			
15	16QAM	1	0	19.12	19.04	18.97			
15	16QAM	1	37	19.17	19.13	19.13	20.3	0	
15	16QAM	1	74	19.06	19.08	19.06			
15	16QAM	36	0	19.03	18.99	18.98			
15	16QAM	36	20	19.10	19.06	19.12			
15	16QAM	36	39	18.96	18.97	19.02	20.3	0	
15	16QAM	75	0	19.07	19.02	18.99			
15	64QAM	1	0	19.06	19.09	19.05			
15	64QAM	1	37	19.18	19.06	19.26			
15	64QAM	1	74	19.07	19.02	18.97	20.3	0	
15	64QAM	36	0	19.10	18.93	19.02			
15	64QAM	36	20	19.12	19.07	19.04			
15	64QAM	36	39	19.00	18.95	18.99			
15	64QAM	75	0	19.07	18.98	19.04			
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	19.09	18.97	19.02	20.3	0	
10	QPSK	1	25	19.26	19.18	19.16			
10	QPSK	1	49	18.98	18.92	18.85			
10	QPSK	25	0	19.09	19.05	18.98			
10	QPSK	25	12	19.07	18.94	18.91	20.3	0	
10	QPSK	25	25	18.96	18.96	18.91			
10	QPSK	50	0	18.99	18.98	19.03			
10	16QAM	1	0	19.05	19.08	18.99			
10	16QAM	1	25	19.18	19.11	19.10	20.3	0	
10	16QAM	1	49	19.06	19.06	19.02			
10	16QAM	25	0	19.00	19.05	19.01			
10	16QAM	25	12	19.02	19.07	19.02			
10	16QAM	25	25	19.00	18.87	19.02	20.3	0	
10	16QAM	50	0	19.04	18.98	18.94			
10	64QAM	1	0	19.07	19.04	18.98			
10	64QAM	1	25	19.24	19.13	19.18			
10	64QAM	1	49	19.07	19.01	18.95	20.3	0	
10	64QAM	25	0	19.08	18.98	19.01			
10	64QAM	25	12	19.14	19.03	19.08			
10	64QAM	25	25	19.00	18.90	19.00			
10	64QAM	50	0	19.06	19.00	18.99			
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	19.00	18.94	18.99	20.3	0	
5	QPSK	1	12	19.27	19.14	19.15			
5	QPSK	1	24	19.02	18.95	18.85			
5	QPSK	12	0	19.07	19.06	18.95			
5	QPSK	12	7	18.99	18.88	18.97	20.3	0	
5	QPSK	12	13	18.95	18.96	18.92			
5	QPSK	25	0	19.02	19.00	19.02			
5	16QAM	1	0	19.10	19.01	18.99			
5	16QAM	1	12	19.10	19.18	19.08	20.3	0	
5	16QAM	1	24	19.02	19.01	19.05			
5	16QAM	12	0	19.03	18.98	19.08			
5	16QAM	12	7	19.10	19.07	19.08			
5	16QAM	12	13	19.01	18.93	18.97	20.3	0	
5	16QAM	25	0	19.08	18.96	19.03			
5	64QAM	1	0	19.02	19.04	18.99			
5	64QAM	1	12	19.18	19.07	19.18			
5	64QAM	1	24	19.07	19.03	18.96	20.3	0	
5	64QAM	12	0	19.04	18.90	19.01			
5	64QAM	12	7	19.08	18.99	19.01			
5	64QAM	12	13	19.03	18.92	19.00			
5	64QAM	25	0	19.06	18.98	18.99			

Band 41_Ant31												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	19.94	20.01	20.02	19.93	19.97	20.8	0		
20	QPSK	1	49	19.98	19.99	20.12	20.02	20.03				
20	QPSK	1	99	19.74	19.79	19.83	19.74	19.82				
20	QPSK	50	0	19.83	19.90	20.04	19.91	19.99	20.8	0		
20	QPSK	50	24	19.97	19.98	20.02	19.96	19.97				
20	QPSK	50	50	19.87	19.91	19.91	19.86	19.90				
20	QPSK	100	0	19.87	19.88	20.01	19.92	20.00	20.8	0		
20	16QAM	1	0	19.94	19.91	19.98	19.96	19.93				
20	16QAM	1	49	20.08	20.09	20.11	20.07	20.09				
20	16QAM	1	99	19.83	19.85	19.91	19.82	19.83	20.8	0		
20	16QAM	50	0	19.97	19.97	20.01	19.99	19.92				
20	16QAM	50	24	19.94	20.03	20.03	19.93	19.97				
20	16QAM	50	50	19.85	19.88	19.90	19.89	19.85	20.8	0		
20	16QAM	100	0	19.95	19.92	19.95	19.94	19.91				
20	64QAM	1	0	19.79	19.84	19.88	19.84	19.83				
20	64QAM	1	49	19.99	19.93	20.01	19.92	19.99	20.8	0		
20	64QAM	1	99	19.78	19.84	19.84	19.78	19.83				
20	64QAM	50	0	19.94	20.01	20.03	19.95	19.94				
20	64QAM	50	24	19.99	20.03	20.04	20.03	20.04	20.8	0		
20	64QAM	50	50	19.83	19.92	19.93	19.87	19.89				
20	64QAM	100	0	19.87	19.88	19.95	19.90	19.95				
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5				
15	QPSK	1	0	19.87	19.91	19.91	19.85	19.89	20.80	0		
15	QPSK	1	37	19.92	19.93	20.07	19.97	19.97				
15	QPSK	1	74	19.63	19.77	19.74	19.69	19.68				
15	QPSK	36	0	19.73	19.80	19.96	19.81	19.86	20.8	0		
15	QPSK	36	20	19.91	19.91	19.99	19.82	19.85				
15	QPSK	36	39	19.63	19.82	19.79	19.72	19.78				
15	QPSK	75	0	19.79	19.77	19.89	19.82	19.87	20.8	0		
15	16QAM	1	0	19.84	19.80	19.88	19.86	19.83				
15	16QAM	1	37	20.04	20.03	19.99	20.02	19.95				
15	16QAM	1	74	19.78	19.74	19.82	19.70	19.73	20.8	0		
15	16QAM	36	0	19.87	19.93	19.96	19.89	19.84				
15	16QAM	36	20	19.85	19.92	19.96	19.83	19.93				
15	16QAM	36	39	19.82	19.82	19.80	19.79	19.80	20.8	0		
15	16QAM	75	0	19.90	19.86	19.90	19.90	19.78				
15	64QAM	1	0	19.71	19.77	19.86	19.77	19.78				
15	64QAM	1	37	19.97	19.81	19.95	19.82	19.86	20.8	0		
15	64QAM	1	74	19.76	19.74	19.73	19.71	19.75				
15	64QAM	36	0	19.80	19.83	19.95	19.89	19.84				
15	64QAM	36	20	19.94	19.95	20.00	19.92	19.96	20.8	0		
15	64QAM	36	39	19.81	19.82	19.88	19.81	19.78				
15	64QAM	75	0	19.81	19.82	19.93	19.86	19.91				
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2501	2547	2593	2639	2685				
10	QPSK	1	0	19.86	19.95	19.93	19.88	19.87	20.80	0		
10	QPSK	1	25	19.91	19.93	20.02	19.95	19.97				
10	QPSK	1	49	19.65	19.75	19.75	19.69	19.68				
10	QPSK	25	0	19.74	19.78	19.94	19.77	19.95	20.8	0		
10	QPSK	25	12	19.83	19.87	19.86	19.82	19.83				
10	QPSK	25	25	19.77	19.80	19.83	19.80	19.85				
10	QPSK	50	0	19.75	19.83	19.92	19.83	19.86	20.8	0		
10	16QAM	1	0	19.85	19.83	19.86	19.87	19.83				
10	16QAM	1	25	20.00	20.03	20.07	19.95	19.99				
10	16QAM	1	49	19.77	19.77	19.79	19.69	19.75	20.8	0		
10	16QAM	25	0	19.93	19.91	19.90	19.91	19.85				
10	16QAM	25	12	19.83	19.99	19.90	19.82	19.83				
10	16QAM	25	25	19.76	19.83	19.81	19.83	19.74	20.8	0		
10	16QAM	50	0	19.85	19.82	19.90	19.90	19.84				
10	64QAM	1	0	19.74	19.77	19.76	19.73	19.71				
10	64QAM	1	25	19.88	19.87	19.90	19.87	19.87	20.8	0		
10	64QAM	1	49	19.70	19.74	19.70	19.70	19.69				
10	64QAM	25	0	19.81	19.95	19.98	19.83	19.87				
10	64QAM	25	12	19.95	19.96	19.93	19.97	19.92	20.8	0		
10	64QAM	25	25	19.79	19.85	19.85	19.78	19.82				
10	64QAM	50	0	19.81	19.77	19.88	19.85	19.81				
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5				
5	QPSK	1	0	19.88	19.96	19.89	19.83	19.86	20.80	0		
5	QPSK	1	12	19.94	19.89	20.08	19.96	19.96				
5	QPSK	1	24	19.65	19.73	19.77	19.68	19.75				
5	QPSK	12	0	19.76	19.84	19.90	19.81	19.87	20.8	0		
5	QPSK	12	7	19.84	19.88	19.88	19.86	19.88				
5	QPSK	12	13	19.73	19.87	19.79	19.79	19.86				
5	QPSK	25	0	19.78	19.83	19.96	19.80	19.93	20.8	0		
5	16QAM	1	0	19.83	19.79	19.84	19.90	19.83				
5	16QAM	1	12	20.01	20.01	20.02	19.93	20.00				
5	16QAM	1	24	19.70	19.71	19.86	19.73	19.77	20.8	0		
5	16QAM	12	0	19.87	19.90	19.93	19.88	19.82				
5	16QAM	12	7	19.81	19.97	19.99	19.83	19.83				
5	16QAM	12	13	19.74	19.78	19.79	19.80	19.76	20.8	0		
5	16QAM	25	0	19.88	19.86	19.84	19.80	19.84				
5	64QAM	1	0	19.73	19.79	19.75	19.72	19.71				
5	64QAM	1	12	19.89	19.79	19.95	19.84	19.90	20.8	0		
5	64QAM	1	24	19.65	19.74	19.74	19.66	19.75				
5	64QAM	12	0	19.83	19.90	19.89	19.88	19.87				
5	64QAM	12	7	19.95	19.92	19.95	19.92	19.99	20.8	0		
5	64QAM	12	13	19.69	19.86	19.85	19.82	19.83				
5	64QAM	25	0	19.79	19.82	19.86	19.82	19.91				

Band 41_Ant14			
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Band 2_Ant14											
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./F/Freq.	Power Ch./F/Freq.	Power Ch./F/Freq.	Turn-up rate (dB)	MFR (dB)			
Channel											
Frequency (MHz)											
20	QPSK	1	0	22.07	22.07	21.99			23.5	0	
20	QPSK	1	49	22.14	22.20	22.07					
20	QPSK	99	21	21.93	21.91	22.02					
20	QPSK	50	0	21.08	21.15	21.03					
20	QPSK	50	24	21.11	21.09	21.05					
20	QPSK	50	50	21.13	21.03	20.99			22.5	1	
20	QPSK	150	0	21.08	21.10	21.00					
20	16QAM	1	0	21.28	21.25	21.17					
20	16QAM	1	49	21.37	21.25	21.24					
20	16QAM	1	99	21.13	21.11	21.16					
20	16QAM	50	0	20.95	20.90	20.92			21.5	2	
20	16QAM	50	24	20.10	20.04	20.02					
20	16QAM	50	50	20.09	19.98	19.98					
20	16QAM	150	0	20.07	19.99	19.98					
20	16QAM	1	49	20.20	20.14	20.08					
20	64QAM	1	99	20.05	19.97	20.00			21.5	2	
20	64QAM	50	0	19.92	19.97	19.96					
20	64QAM	50	24	19.10	19.00	19.01					
20	64QAM	50	50	19.05	18.98	19.04					
20	64QAM	150	0	18.93	18.96	18.92					
Channel											
Frequency (MHz)											
15	QPSK	1	0	22.01	21.91	21.93			23.5	0	
15	QPSK	1	99	22.04	22.13	21.97					
15	QPSK	1	49	21.81	21.84	21.90					
15	QPSK	36	0	21.07	21.05	21.02					
15	QPSK	36	20	20.98	20.93	20.90					
15	QPSK	25	0	21.08	21.02	21.00			22.5	1	
15	QPSK	25	24	21.01	21.05	21.00					
15	16QAM	1	0	21.09	21.17	20.98					
15	16QAM	1	97	21.28	21.23	21.17					
15	16QAM	1	4	21.08	20.96	21.11					
15	16QAM	36	0	19.91	19.87	19.85			21.5	2	
15	16QAM	36	20	20.04	19.97	19.98					
15	16QAM	25	0	21.08	20.96	21.11					
15	16QAM	25	24	20.07	19.98	19.97					
15	16QAM	1	0	19.97	19.10	19.93					
15	64QAM	1	97	20.16	20.13	20.04			21.5	2	
15	64QAM	1	4	19.93	19.75	19.97					
15	64QAM	36	0	19.87	19.92	19.93					
15	64QAM	36	20	19.93	19.99	19.94					
15	64QAM	25	0	19.93	19.90	19.89					
15	64QAM	25	24	19.88	19.89	19.75			20.5	3	
Channel											
Frequency (MHz)											
10	QPSK	1	0	22.00	22.00	22.00			23.5	0	
10	QPSK	1	25	22.03	22.19	21.96					
10	QPSK	1	49	21.96	21.77	21.98					
10	QPSK	25	0	20.89	20.97	20.84					
10	QPSK	25	24	21.00	21.02	21.02					
10	QPSK	25	25	21.09	21.01	20.95			22.5	1	
10	QPSK	50	0	20.92	20.97	20.94					
10	16QAM	1	0	21.00	21.00	21.00					
10	16QAM	1	49	20.97	20.89	21.06					
10	16QAM	25	0	20.94	19.89	20.90					
10	16QAM	25	24	19.97	20.04	19.99			21.5	2	
10	16QAM	25	25	19.91	19.82	19.80					
10	16QAM	50	0	19.91	19.85	19.81					
10	64QAM	1	0	20.98	20.14	20.01					
10	64QAM	1	49	20.11	20.02	19.99					
10	64QAM	1	49	20.03	19.93	20.07			21.5	2	
10	64QAM	25	0	19.90	19.93	19.88					
10	64QAM	25	24	19.93	19.85	19.80					
10	64QAM	25	25	19.87	19.80	19.78					
10	64QAM	50	0	19.90	19.98	19.79					
Channel											
Frequency (MHz)											
5	QPSK	1	0	21.88	21.92	21.80			23.5	0	
5	QPSK	1	12	22.03	22.09	21.96					
5	QPSK	1	24	21.86	21.79	21.95					
5	QPSK	12	0	21.00	21.05	21.02					
5	QPSK	12	7	21.01	20.93	20.95					
5	QPSK	12	13	21.07	20.86	20.93			22.5	1	
5	QPSK	25	0	20.98	20.96	20.96					
5	16QAM	1	0	21.01	21.15	21.10					
5	16QAM	1	12	21.06	21.18	21.21					
5	16QAM	1	24	20.99	21.03	21.02					
5	16QAM	12	0	20.92	19.90	19.91			21.5	2	
5	16QAM	12	7	20.91	19.85	19.80					
5	16QAM	12	13	20.91	19.84	19.80					
5	16QAM	25	0	19.90	19.92	19.91					
5	16QAM	25	1	19.91	19.73	19.87					
5	64QAM	1	12	20.10	20.13	20.03			21.5	2	
5	64QAM	1	24	19.87	19.96	19.91					
5	64QAM	12	0	19.90	19.90	19.90					
5	64QAM	12	7	19.97	19.83	19.98					
5	64QAM	12	13	19.98	19.90	19.88					
5	64QAM	25	0	19.96	19.83	19.85			20.5	3	
Channel											
Frequency (MHz)											
3	QPSK	1	0	22.07	21.94	21.99			23.5	0	
3	QPSK	1	8	22.00	22.17	21.93					
3	QPSK	8	0	21.92	21.85	21.91					
3	QPSK	8	4	21.08	21.04	21.02					
3	QPSK	8	7	21.11	20.89	20.97					
3	QPSK	15	0	21.01	21.01	20.99			22.5	1	
3	16QAM	1	0	21.22	21.09	21.11					
3	16QAM	1	8	21.24	21.10	21.11					
3	16QAM	1	4	20.98	20.90	21.07					
3	16QAM	8	0	20.05	19.99	20.01					
3	16QAM	8	4	19.91	19.85	19.83			21.5	2	
3	16QAM	8	7	20.09	19.84	19.86					
3	16QAM	15	0	19.90	19.90	19.91					
3	64QAM	1	0	20.00	20.10	19.96					
3	64QAM	1	8	20.19	20.02	20.07					
3	64QAM	1	4	19.97	19.86	19.91			21.5	2	
3	64QAM	8	0	19.88	19.90	19.88					
3	64QAM	8	4	19.09	19.94	19.90					
3	64QAM	8	7	19.96	19.84	19.85					
3	64QAM	15	0	19.93	19.83	19.80					
Channel											
Frequency (MHz)											
1.4	QPSK	1	0	22.09	22.07	21.96			23.5	0	
1.4	QPSK	1	5	22.11	22.01	22.04					
1.4	QPSK	1	5	21.91	21.78	22.05					
1.4	QPSK	3	0	21.84	21.89	21.79					
1.4	QPSK	3	3	21.91	21.81	21.86				22.5	1
1.4	QPSK	3	3	21.84	21.78	21.77					
1.4	QPSK	6	0	20.96	20.98	20.89					
1.4	QPSK	1	0	21.17	21.17	21.09					
1.4	QPSK	1	21	21.35	21.19	21.23					
1.4	QPSK	1	21	20.95	21.02	20.98			22.5	1	
1.4	QPSK	3	0	20.78	20.77	20.74					
1.4	QPSK	3	3	20.71	20.63	20.63					
1.4	QPSK	3	24	20.73	20.65	20.65					
1.4	QPSK	6	0	19.97	19.83	19.86					
1.4	QPSK	1	0	19.91	20.10	19.87			21.5	2	
1.4	QPSK	1	10	19.19	19.08	19.10					
1.4	QPSK	1	10	19.08	19.08	19.08					
1.4	QPSK	1	10	19.08	19.06	19.02					
1.4	QPSK	1	10	19.07	19.76	19.63					
1.4	QPSK	1	10	19.77	19.84	19.88			20.5	3	
1.4	QPSK	1	10	19.72	19.78	19.78					
1.4	QPSK	1	10	19.08	19.84	19.87					
1.4	QPSK	1	10	19.08	19.84	19.87					
1.4	QPSK	1	10	19.08	19.84	19.87					

Band 38_Ant14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	23.39	23.16	23.19	24.8	0	
20	QPSK	1	49	23.61	23.38	23.46			
20	QPSK	1	99	23.45	23.23	23.34			
20	QPSK	50	0	22.53	22.28	22.33	23.8	1	
20	QPSK	50	24	22.48	22.29	22.36			
20	QPSK	50	50	22.47	22.23	22.40			
20	QPSK	100	0	22.47	22.27	22.34	23.8	1	
20	16QAM	1	0	22.37	22.15	22.21			
20	16QAM	1	49	22.57	22.33	22.45			
20	16QAM	1	99	22.42	22.21	22.32	22.8	2	
20	16QAM	50	0	21.51	21.28	21.30			
20	16QAM	50	24	21.54	21.31	21.36			
20	16QAM	50	50	21.48	21.24	21.40	22.8	2	
20	16QAM	100	0	21.47	21.28	21.35			
20	64QAM	1	0	21.20	21.15	21.22			
20	64QAM	1	49	21.33	21.10	21.15	22.8	2	
20	64QAM	1	99	21.15	21.11	21.20			
20	64QAM	50	0	20.67	20.44	20.44			
20	64QAM	50	24	20.71	20.45	20.53	21.8	3	
20	64QAM	50	50	20.63	20.39	20.54			
20	64QAM	100	0	20.65	20.43	20.48			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	23.27	23.12	23.07	24.8	0	
15	QPSK	1	37	23.42	23.35	23.27			
15	QPSK	1	74	23.33	23.05	23.22			
15	QPSK	36	0	22.48	22.18	22.28	23.8	1	
15	QPSK	36	20	22.33	22.29	22.21			
15	QPSK	36	39	22.36	22.23	22.29			
15	QPSK	75	0	22.43	22.20	22.30	23.8	1	
15	16QAM	1	0	22.25	22.06	22.09			
15	16QAM	1	37	22.41	22.33	22.29			
15	16QAM	1	74	22.25	22.14	22.15	22.8	2	
15	16QAM	36	0	21.50	21.24	21.29			
15	16QAM	36	20	21.54	21.13	21.36			
15	16QAM	36	39	21.29	21.06	21.23	22.8	2	
15	16QAM	75	0	21.47	21.28	21.35			
15	64QAM	1	0	21.17	21.04	21.19			
15	64QAM	1	37	21.32	21.05	21.14	22.8	2	
15	64QAM	1	74	21.01	20.96	21.06			
15	64QAM	36	0	20.50	20.26	20.27			
15	64QAM	36	20	20.61	20.26	20.43	21.8	3	
15	64QAM	36	39	20.50	20.25	20.41			
15	64QAM	75	0	20.57	20.43	20.40			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	23.27	23.10	23.07	24.8	0	
10	QPSK	1	25	23.54	23.25	23.39			
10	QPSK	1	49	23.26	23.18	23.15			
10	QPSK	25	0	22.53	22.09	22.33	23.8	1	
10	QPSK	25	12	22.31	22.10	22.19			
10	QPSK	25	25	22.30	22.11	22.23			
10	QPSK	50	0	22.28	22.08	22.15	23.8	1	
10	16QAM	1	0	22.29	21.98	22.13			
10	16QAM	1	25	22.51	22.16	22.39			
10	16QAM	1	49	22.24	22.02	22.14	22.8	2	
10	16QAM	25	0	21.41	21.23	21.20			
10	16QAM	25	12	21.42	21.17	21.24			
10	16QAM	25	25	21.42	21.15	21.36	22.8	2	
10	16QAM	50	0	21.29	21.11	21.17			
10	64QAM	1	0	21.03	21.00	21.05			
10	64QAM	1	25	21.18	21.00	21.09	22.8	2	
10	64QAM	1	49	21.03	20.93	21.08			
10	64QAM	25	0	20.60	20.26	20.37			
10	64QAM	25	12	20.67	20.28	20.49	21.8	3	
10	64QAM	25	25	20.51	20.27	20.42			
10	64QAM	50	0	20.49	20.40	20.32			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	23.23	23.10	23.03	24.8	0	
5	QPSK	1	12	23.57	23.34	23.42			
5	QPSK	1	24	23.26	23.20	23.15			
5	QPSK	12	0	22.34	22.24	22.14	23.8	1	
5	QPSK	12	7	22.29	22.18	22.17			
5	QPSK	12	13	22.34	22.22	22.27			
5	QPSK	25	0	22.28	22.15	22.15	23.8	1	
5	16QAM	1	0	22.36	22.15	22.20			
5	16QAM	1	12	22.48	22.19	22.36			
5	16QAM	1	24	22.28	22.19	22.18	22.8	2	
5	16QAM	12	0	21.40	21.10	21.19			
5	16QAM	12	7	21.45	21.15	21.27			
5	16QAM	12	13	21.41	21.18	21.35	22.8	2	
5	16QAM	25	0	21.48	21.14	21.34			
5	64QAM	1	0	21.06	20.96	21.08			
5	64QAM	1	12	21.22	21.05	21.04	22.8	2	
5	64QAM	1	24	21.11	20.95	21.16			
5	64QAM	12	0	20.50	20.42	20.27			
5	64QAM	12	7	20.55	20.33	20.37	21.8	3	
5	64QAM	12	13	20.53	20.27	20.44			
5	64QAM	25	0	20.65	20.34	20.48			

Band 41_Ant14										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.15	23.35	23.20	23.15	23.30	24.8	0
20	QPSK	1	49	23.41	23.50	23.63	23.35	23.52		
20	QPSK	1	99	23.28	23.44	23.20	23.16	23.36		
20	QPSK	50	0	22.24	22.40	22.55	22.31	22.48	23.8	1
20	QPSK	50	24	22.35	22.45	22.32	22.28	22.47		
20	QPSK	50	50	22.36	22.44	22.25	22.24	22.42		
20	QPSK	100	0	22.31	22.45	22.52	22.26	22.50	23.8	1
20	16QAM	1	0	22.19	22.33	22.16	22.14	22.28		
20	16QAM	1	49	22.40	22.53	22.37	22.37	22.54		
20	16QAM	1	99	22.26	22.40	22.15	22.14	22.34	22.8	2
20	16QAM	50	0	21.41	21.44	21.34	21.31	21.47		
20	16QAM	50	24	21.54	21.51	21.32	21.30	21.48		
20	16QAM	50	50	21.55	21.50	21.23	21.23	21.51	22.8	2
20	16QAM	100	0	21.48	21.45	21.28	21.28	21.49		
20	64QAM	1	0	21.11	21.04	21.09	21.05	21.05		
20	64QAM	1	49	21.28	21.26	21.10	21.10	21.28	22.8	2
20	64QAM	1	99	21.05	21.11	21.10	21.08	21.08		
20	64QAM	50	0	20.31	20.60	20.47	20.47	20.66		
20	64QAM	50	24	20.41	20.67	20.46	20.44	20.64	21.8	3
20	64QAM	50	50	20.51	20.63	20.42	20.39	20.67		
20	64QAM	100	0	20.38	20.60	20.44	20.43	20.65		
Channel				39725	40173	40620	41088	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	23.02	23.32	23.19	22.97	23.18	24.80	0
15	QPSK	1	37	23.30	23.40	23.44	23.27	23.39		
15	QPSK	1	74	23.10	23.30	23.02	23.07	23.33		
15	QPSK	36	0	22.15	22.25	22.40	22.20	22.31	23.8	1
15	QPSK	36	20	22.19	22.31	22.16	22.15	22.28		
15	QPSK	36	39	22.34	22.31	22.23	22.24	22.32		
15	QPSK	75	0	22.31	22.40	22.52	22.11	22.50	23.8	1
15	16QAM	1	0	22.15	22.15	22.12	22.04	22.18		
15	16QAM	1	37	22.27	22.40	22.24	22.35	22.43		
15	16QAM	1	74	22.26	22.35	22.15	22.06	22.16	22.8	2
15	16QAM	36	0	21.36	21.26	21.29	21.26	21.43		
15	16QAM	36	20	21.50	21.51	21.28	21.15	21.38		
15	16QAM	36	39	21.51	21.48	21.19	21.06	21.46	22.8	2
15	16QAM	75	0	21.47	21.32	21.27	21.23	21.48		
15	64QAM	1	0	20.99	20.90	20.97	21.04	20.95		
15	64QAM	1	37	21.26	21.19	21.08	20.94	21.18	22.8	2
15	64QAM	1	74	20.87	21.05	20.93	21.03	21.01		
15	64QAM	36	0	20.24	20.46	20.40	20.30	20.57		
15	64QAM	36	20	20.23	20.55	20.28	20.41	20.50	21.8	3
15	64QAM	36	39	20.50	20.58	20.41	20.38	20.56		
15	64QAM	75	0	20.35	20.47	20.41	20.25	20.56		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	23.15	23.31	23.17	23.10	23.22	24.80	0
10	QPSK	1	25	23.27	23.42	23.41	23.19	23.33		
10	QPSK	1	49	23.23	23.40	23.15	23.14	23.34		
10	QPSK	25	0	22.10	22.28	22.35	22.26	22.42	23.8	1
10	QPSK	25	12	22.16	22.25	22.13	22.09	22.47		
10	QPSK	25	25	22.27	22.28	22.16	22.28	22.47		
10	QPSK	50	0	22.23	22.29	22.44	22.12	22.40	23.8	1
10	16QAM	1	0	22.12	22.32	22.09	22.01	22.21		
10	16QAM	1	25	22.23	22.39	22.20	22.28	22.41		
10	16QAM	1	49	22.08	22.40	21.97	22.01	22.18	22.8	2
10	16QAM	25	0	21.29	21.36	21.22	21.30	21.39		
10	16QAM	25	12	21.41	21.33	21.19	21.29	21.48		
10	16QAM	25	25	21.39	21.32	21.07	21.21	21.47	21.8	3
10	16QAM	50	0	21.35	21.28	21.15	21.15	21.32		
10	64QAM	1	0	20.94	20.91	20.92	20.91	20.88		
10	64QAM	1	25	21.24	21.26	21.06	21.03	21.08	22.8	2
10	64QAM	1	49	20.97	21.10	21.02	20.95	21.05		
10	64QAM	25	0	20.21	20.46	20.37	20.35	20.61		
10	64QAM	25	12	20.35	20.61	20.40	20.26	20.45	21.8	3
10	64QAM	25	25	20.36	20.54	20.27	20.37	20.61		
10	64QAM	50	0	20.30	20.50	20.36	20.24	20.58		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	22.98	23.24	23.06	23.06	23.26	24.80	0
5	QPSK	1	12	23.29	23.31	23.43	23.35	23.34		
5	QPSK	1	24	23.09	23.27	23.01	23.06	23.21		
5	QPSK	12	0	22.23	22.39	22.46	22.20	22.33	23.8	1
5	QPSK	12	7	22.24	22.43	22.21	22.25	22.44		
5	QPSK	12	13	22.21	22.36	22.10	22.16	22.34		
5	QPSK	25	0	22.20	22.38	22.41	22.20	22.39	23.8	1
5	16QAM	1	0	22.06	22.17	22.03	22.06	22.28		
5	16QAM	1	12	22.37	22.48	22.34	22.23	22.48		
5	16QAM	1	24	22.25	22.37	22.14	22.13	22.26	22.8	2
5	16QAM	12	0	21.36	21.27	21.29	21.25	21.28		
5	16QAM	12	7	21.37	21.51	21.15	21.30	21.48		
5	16QAM	12	13	21.46	21.48	21.14	21.18	21.44	21.8	3
5	16QAM	25	0	21.43	21.36	21.23	21.10	21.32		
5	64QAM	1	0	20.96	20.93	20.94	20.88	21.01		
5	64QAM	1	25	21.11	21.26	21.06	21.05	21.16	22.8	2
5	64QAM	1	49	20.97	21.10	21.02	20.95	20.97		
5	64QAM	12	0	20.22	20.50	20.38	20.47	20.55		
5	64QAM	12	7	20.28	20.50	20.33	20.39	20.46	21.8	3
5	64QAM	12	13	20.40	20.50	20.31	20.33	20.56		
5	64QAM	25	0	20.36	20.42	20.42	20.27	20.50		



Inter-band CA Power_Full

Band 4_Ant31										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power High Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20500	20175	20300				
Frequency (MHz)				1720	1732.5	1745				
20	QPSK	1	0	20.55	20.58	20.53	21.5	0		
20	QPSK	1	49	20.46	20.59	20.57				
20	QPSK	1	99	20.47	20.54	20.52				
20	QPSK	50	0	20.52	20.58	20.56	21.5	0		
20	QPSK	50	24	20.31	20.35	20.33				
20	QPSK	50	50	20.42	20.32	20.49				
20	QPSK	100	0	20.31	20.38	20.30	21.5	0		
20	16QAM	1	0	20.45	20.49	20.54				
20	16QAM	1	49	20.46	20.48	20.48				
20	16QAM	1	99	20.48	20.49	20.49	21.5	0		
20	16QAM	50	0	20.50	20.44	20.38				
20	16QAM	50	24	20.37	20.46	20.44				
20	16QAM	50	50	20.31	20.36	20.36	21.5	0		
20	16QAM	100	0	20.46	20.41	20.40				
20	64QAM	1	0	20.32	20.37	20.40				
20	64QAM	1	49	20.49	20.39	20.49	21.5	0		
20	64QAM	1	99	20.48	20.38	20.53				
20	64QAM	50	0	19.93	20.31	20.31				
20	64QAM	50	24	20.06	20.29	20.38	21.5	0		
20	64QAM	50	50	19.95	20.23	20.31				
20	64QAM	100	0	20.01	20.29	20.26				
Channel				20505	20176	20301	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1732.5	1747.5				
15	QPSK	1	0	20.49	20.55	20.51	21.5	0		
15	QPSK	1	37	20.40	20.40	20.46				
15	QPSK	1	74	20.38	20.51	20.46				
15	QPSK	36	0	20.39	20.47	20.22	21.5	0		
15	QPSK	36	20	20.19	20.22	20.24				
15	QPSK	36	39	20.34	20.31	20.43				
15	QPSK	75	0	20.19	20.25	20.23	21.5	0		
15	16QAM	1	0	20.38	20.48	20.45				
15	16QAM	1	37	20.40	20.40	20.46				
15	16QAM	1	74	20.47	20.36	20.44	21.5	0		
15	16QAM	36	0	20.44	20.38	20.37				
15	16QAM	36	20	20.27	20.43	20.33				
15	16QAM	36	39	20.23	20.26	20.26	21.5	0		
15	16QAM	75	0	20.45	20.28	20.29				
15	64QAM	1	0	20.30	20.32	20.32				
15	64QAM	1	37	20.48	20.34	20.38	21.5	0		
15	64QAM	1	74	20.44	20.33	20.47				
15	64QAM	36	0	19.86	20.20	20.18				
15	64QAM	36	20	19.96	20.20	20.33	21.5	0		
15	64QAM	36	39	19.91	20.12	20.29				
15	64QAM	75	0	19.89	20.22	20.14				
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715	1732.5	1750				
10	QPSK	1	0	20.46	20.47	20.45	21.5	0		
10	QPSK	1	25	20.36	20.34	20.45				
10	QPSK	1	49	20.35	20.53	20.43				
10	QPSK	25	0	20.46	20.56	20.26	21.5	0		
10	QPSK	25	12	20.29	20.34	20.22				
10	QPSK	25	25	20.31	20.19	20.39				
10	QPSK	50	0	20.19	20.25	20.24	21.5	0		
10	16QAM	1	0	20.44	20.40	20.49				
10	16QAM	1	25	20.42	20.39	20.35				
10	16QAM	1	49	20.36	20.47	20.28	21.5	0		
10	16QAM	25	0	20.45	20.42	20.38				
10	16QAM	25	12	20.35	20.40	20.42				
10	16QAM	25	25	20.30	20.29	20.28	21.5	0		
10	16QAM	50	0	20.45	20.31	20.33				
10	64QAM	1	0	20.30	20.24	20.28				
10	64QAM	1	25	20.40	20.30	20.41	21.5	0		
10	64QAM	1	49	20.43	20.37	20.44				
10	64QAM	25	0	19.92	20.29	20.27				
10	64QAM	25	12	20.05	20.24	20.37	21.5	0		
10	64QAM	25	25	19.89	20.12	20.18				
10	64QAM	50	0	19.84	20.18	20.19				
Channel				19975	20176	20375	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1712.5	1732.5	1752.5				
5	QPSK	1	0	20.52	20.51	20.41	21.5	0		
5	QPSK	1	12	20.38	20.33	20.46				
5	QPSK	1	24	20.34	20.47	20.47				
5	QPSK	12	0	20.48	20.50	20.26	21.5	0		
5	QPSK	12	7	20.26	20.24	20.20				
5	QPSK	12	13	20.36	20.29	20.43				
5	QPSK	25	0	20.20	20.31	20.24	21.5	0		
5	16QAM	1	0	20.39	20.44	20.43				
5	16QAM	1	12	20.41	20.38	20.36				
5	16QAM	1	24	20.47	20.45	20.46	21.5	0		
5	16QAM	12	0	20.37	20.38	20.31				
5	16QAM	12	7	20.27	20.39	20.39				
5	16QAM	12	13	20.27	20.27	20.31	21.5	0		
5	16QAM	25	0	20.42	20.29	20.35				
5	64QAM	1	0	20.31	20.30	20.36				
5	64QAM	1	12	20.37	20.35	20.39	21.5	0		
5	64QAM	1	24	20.37	20.37	20.48				
5	64QAM	12	0	19.81	20.22	20.23				
5	64QAM	12	7	19.99	20.16	20.36	21.5	0		
5	64QAM	12	13	19.87	20.12	20.26				
5	64QAM	25	0	19.90	20.18	20.14				
Channel				19950	20175	20385	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1710.7	1732.5	1754.3				
3	QPSK	1	0	20.45	20.52	20.51	21.5	0		
3	QPSK	1	8	20.38	20.33	20.48				
3	QPSK	1	14	20.46	20.41	20.45				
3	QPSK	8	0	20.44	20.57	20.30	21.5	0		
3	QPSK	8	4	20.36	20.29	20.31				
3	QPSK	8	7	20.40	20.21	20.41				
3	QPSK	15	0	20.22	20.29	20.37	21.5	0		
3	16QAM	1	0	20.36	20.43	20.42				
3	16QAM	1	8	20.42	20.40	20.36				
3	16QAM	1	14	20.41	20.38	20.38	21.5	0		
3	16QAM	8	0	20.34	20.40	20.25				
3	16QAM	8	4	20.41	20.33	20.40				
3	16QAM	8	7	20.22	20.30	20.25	21.5	0		
3	16QAM	15	0	20.36	20.38	20.29				
3	64QAM	1	0	20.28	20.31	20.34				
3	64QAM	1	8	20.48	20.33	20.37	21.5	0		
3	64QAM	1	14	20.44	20.26	20.40				
3	64QAM	8	0	19.91	20.22	20.18				
3	64QAM	8	4	20.02	20.18	20.30	21.5	0		
3	64QAM	8	7	19.86	20.20	20.20				
3	64QAM	15	0	19.89	20.17	20.16				
Channel				19957	20176	20390	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1710.7	1732.5	1754.3				
1.4	QPSK	1	0	20.45	20.53	20.50	21.5	0		
1.4	QPSK	1	3	20.33	20.36	20.56				
1.4	QPSK	1	5	20.35	20.47	20.45				
1.4	QPSK	3	0	20.44	20.47	20.27	21.5	0		
1.4	QPSK	3	1	20.25	20.22	20.30				
1.4	QPSK	3	3	20.33	20.30	20.36				
1.4	QPSK	6	0	20.22	20.35	20.20	21.5	0		
1.4	16QAM	1	0	20.44	20.38	20.41				
1.4	16QAM	1	3	20.44	20.45	20.47				
1.4	16QAM	1	5	20.40	20.39	20.41	21.5	0		
1.4	16QAM	3	0	20.37	20.35	20.36				
1.4	16QAM	3	1	20.25	20.36	20.32				
1.4	16QAM	3	3	20.28	20.33	20.24	21.5	0		
1.4	16QAM	6	0	20.37	20.28	20.29				
1.4	64QAM	1	0	20.25	20.25	20.35				
1.4	64QAM	1	3	20.43	20.35	20.36	21.5	0		
1.4	64QAM	1	5	20.36	20.30	20.45				
1.4	64QAM	3	0	19.83	20.29	20.27				
1.4	64QAM	3	1	20.03	20.16	20.29	21.5	0		
1.4	64QAM	3	3	19.91	20.15	20.22				
1.4	64QAM	6	0	19.99	20.27	20.25				

DSI 2 Power

Band 4_Ant31										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel				20050	20175	20300	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1720	1732.5	1745				
20	QPSK	1	0	20.55	20.58	20.53	21.5	0		
20	QPSK	1	49	20.46	20.59	20.57				
20	QPSK	1	99	20.47	20.54	20.52				
20	QPSK	50	0	20.52	20.58	20.41	21.5	0		
20	QPSK	50	24	20.31	20.35	20.33				
20	QPSK	50	50	20.42	20.32	20.49				
20	QPSK	100	0	20.31	20.38	20.30	21.5	0		
20	16QAM	1	0	20.45	20.47	20.58				
20	16QAM	1	49	20.46	20.48	20.48				
20	16QAM	1	99	20.48	20.49	20.49	21.5	0		
20	16QAM	50	0	20.50	20.44	20.38				
20	16QAM	50	24	20.37	20.46	20.44				
20	16QAM	50	50	20.31	20.36	20.36	21.5	0		
20	16QAM	100	0	20.46	20.41	20.40				
20	64QAM	1	0	20.32	20.37	20.40				
20	64QAM	1	49	20.49	20.39	20.49	21.5	0		
20	64QAM	1	99	20.48	20.38	20.53				
20	64QAM	50	0	19.93	20.31	20.31				
20	64QAM	50	24	20.06	20.29	20.38	21.5	0		
20	64QAM	50	50	19.95	20.23	20.31				
20	64QAM	100	0	20.01	20.29	20.26				
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1732.5	1747.5				
15	QPSK	1	0	20.49	20.55	20.51	21.5	0		
15	QPSK	1	37	20.40	20.40	20.46				
15	QPSK	1	74	20.38	20.51	20.46				
15	QPSK	36	0	20.39	20.47	20.22	21.5	0		
15	QPSK	36	20	20.19	20.22	20.24				
15	QPSK	36	39	20.34	20.31	20.43				
15	QPSK	75	0	20.19	20.25	20.23	21.5	0		
15	16QAM	1	0	20.38	20.48	20.45				
15	16QAM	1	37	20.40	20.40	20.46				
15	16QAM	1	74	20.47	20.36	20.44	21.5	0		
15	16QAM	36	0	20.44	20.38	20.37				
15	16QAM	36	20	20.27	20.41	20.33				
15	16QAM	36	39	20.23	20.26	20.26	21.5	0		
15	16QAM	75	0	20.45	20.28	20.29				
15	64QAM	1	0	20.30	20.32	20.32				
15	64QAM	1	37	20.48	20.34	20.38	21.5	0		
15	64QAM	1	74	20.44	20.33	20.47				
15	64QAM	36	0	19.86	20.20	20.18				
15	64QAM	36	20	19.96	20.20	20.33	21.5	0		
15	64QAM	36	39	19.91	20.12	20.29				
15	64QAM	75	0	19.89	20.22	20.14				
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715	1732.5	1750				
10	QPSK	1	0	20.46	20.47	20.45	21.5	0		
10	QPSK	1	25	20.36	20.34	20.45				
10	QPSK	1	49	20.35	20.53	20.43				
10	QPSK	25	0	20.46	20.56	20.26	21.5	0		
10	QPSK	25	12	20.29	20.34	20.22				
10	QPSK	25	25	20.31	20.19	20.39				
10	QPSK	50	0	20.19	20.25	20.24	21.5	0		
10	16QAM	1	0	20.44	20.40	20.49				
10	16QAM	1	25	20.42	20.39	20.35				
10	16QAM	1	49	20.36	20.47	20.48	21.5	0		
10	16QAM	25	0	20.45	20.42	20.26				
10	16QAM	25	12	20.35	20.40	20.42				
10	16QAM	25	25	20.30	20.29	20.28	21.5	0		
10	16QAM	50	0	20.45	20.31	20.33				
10	64QAM	1	0	20.30	20.24	20.28				
10	64QAM	1	25	20.40	20.30	20.41	21.5	0		
10	64QAM	1	49	20.43	20.37	20.44				
10	64QAM	25	0	19.92	20.29	20.27				
10	64QAM	25	12	20.05	20.34	20.37	21.5	0		
10	64QAM	25	25	19.89	20.12	20.18				
10	64QAM	50	0	19.94	20.18	20.19				
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1712.5	1732.5	1752.5				
5	QPSK	1	0	20.52	20.51	20.41	21.5	0		
5	QPSK	1	12	20.38	20.33	20.46				
5	QPSK	1	24	20.34	20.47	20.47				
5	QPSK	12	0	20.48	20.50	20.26	21.5	0		
5	QPSK	12	7	20.26	20.24	20.24				
5	QPSK	12	13	20.36	20.29	20.43				
5	QPSK	25	0	20.20	20.31	20.24	21.5	0		
5	16QAM	1	0	20.39	20.44	20.43				
5	16QAM	1	12	20.41	20.38	20.36				
5	16QAM	1	24	20.47	20.45	20.46	21.5	0		
5	16QAM	12	0	20.37	20.36	20.31				
5	16QAM	12	7	20.27	20.39	20.35				
5	16QAM	12	13	20.27	20.27	20.31	21.5	0		
5	16QAM	25	0	20.42	20.29	20.39				
5	64QAM	1	0	20.31	20.30	20.36				
5	64QAM	1	12	20.37	20.35	20.39	21.5	0		
5	64QAM	1	24	20.37	20.37	20.48				
5	64QAM	12	0	19.91	20.22	20.23				
5	64QAM	12	7	19.90	20.16	20.36	21.5	0		
5	64QAM	12	13	19.87	20.12	20.26				
5	64QAM	25	0	19.90	20.18	20.14				
Channel				19950	20175	20385	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1711.5	1732.5	1753.5				
3	QPSK	1	0	20.47	20.52	20.51	21.5	0		
3	QPSK	1	8	20.38	20.33	20.48				
3	QPSK	1	14	20.46	20.41	20.45				
3	QPSK	8	0	20.44	20.57	20.30	21.5	0		
3	QPSK	8	4	20.26	20.27	20.21				
3	QPSK	8	7	20.40	20.21	20.41				
3	QPSK	15	0	20.22	20.29	20.27	21.5	0		
3	16QAM	1	0	20.36	20.43	20.42				
3	16QAM	1	8	20.42	20.40	20.36				
3	16QAM	1	14	20.41	20.38	20.38	21.5	0		
3	16QAM	8	0	20.41	20.40	20.25				
3	16QAM	8	4	20.34	20.33	20.40				
3	16QAM	8	7	20.22	20.30	20.25	21.5	0		
3	16QAM	15	0	20.36	20.38	20.29				
3	64QAM	1	0	20.28	20.31	20.34				
3	64QAM	1	8	20.48	20.33	20.37	21.5	0		
3	64QAM	1	14	20.44	20.26	20.40				
3	64QAM	8	0	19.91	20.22	20.18	21.5	0		
3	64QAM	8	4	20.02	20.18	20.30				
3	64QAM	8	7	19.86	20.12	20.26				
3	64QAM	15	0	19.90	20.17	20.16	21.5	0		
3	64QAM	15	0	19.90	20.17	20.16				
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1710.7	1732.5	1754.3				
1.4	QPSK	1	0	20.45	20.53	20.50	21.5	0		
1.4	QPSK	1	3	20.33	20.36	20.56				
1.4	QPSK	1	5	20.35	20.47	20.45				
1.4	QPSK	3	0	20.44	20.47	20.27	21.5	0		
1.4	QPSK	3	1	20.26	20.22	20.35				
1.4	QPSK	3	3	20.33	20.30	20.30				
1.4	QPSK	6	0	20.22	20.35	20.26	21.5	0		
1.4	16QAM	1	0	20.44	20.38	20.41				
1.4	16QAM	1	3	20.44	20.45	20.47				
1.4	16QAM	1	5	20.40	20.38	20.41	21.5	0		
1.4	16QAM	3	0	20.37	20.35	20.36				
1.4	16QAM	3	3	20.28	20.33	20.24				
1.4	16QAM	6	0	20.37	20.28	20.29	21.5	0		
1.4	64QAM	1	0	20.25	20.25	20.35				
1.4	64QAM	1	3	20.43	20.35	20.36				
1.4	64QAM	1	5	20.36	20.29	20.45	21.5	0		
1.4	64QAM	3	0	19.83	20.29	20.27				
1.4	64QAM	3	3	19.90	20.15	20.22				
1.4	64QAM	6	0	19.91	20.27	20.25	21.5	0		
1.4	64QAM	6	0	19.91	20.27	20.25				

DSI 3 Power

Band 4_Ant31												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)				20050	20175	20300						
20	QPSK	1	0	20.50	20.58	20.53	21.5	0				
20	QPSK	1	49	20.46	20.59	20.57						
20	QPSK	1	99	20.47	20.54	20.52						
20	QPSK	50	0	20.52	20.58	20.41	21.5	0				
20	QPSK	50	24	20.31	20.35	20.33						
20	QPSK	50	50	20.42	20.32	20.49						
20	QPSK	100	0	20.31	20.38	20.30	21.5	0				
20	16QAM	1	0	20.45	20.49	20.54						
20	16QAM	1	49	20.46	20.48	20.48						
20	16QAM	1	99	20.48	20.49	20.49	21.5	0				
20	16QAM	50	0	20.50	20.44	20.38						
20	16QAM	50	24	20.37	20.46	20.44						
20	16QAM	50	50	20.31	20.36	20.36	21.5	0				
20	16QAM	100	0	20.46	20.41	20.40						
20	64QAM	1	0	20.32	20.37	20.40	21.5	0				
20	64QAM	1	49	20.49	20.39	20.49						
20	64QAM	1	99	20.48	20.38	20.53						
20	64QAM	50	0	19.93	20.31	20.31	21.5	0				
20	64QAM	50	24	20.06	20.29	20.38						
20	64QAM	50	50	19.95	20.23	20.31						
20	64QAM	100	0	20.01	20.29	20.26	21.5	0				
Channel												
Frequency (MHz)				1717.5	1732.5	1747.5				Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	20.49	20.55	20.51	21.5	0				
15	QPSK	1	37	20.40	20.40	20.46						
15	QPSK	1	74	20.38	20.51	20.46						
15	QPSK	36	0	20.39	20.47	20.22	21.5	0				
15	QPSK	36	20	20.19	20.22	20.24						
15	QPSK	36	39	20.34	20.31	20.43						
15	QPSK	75	0	20.19	20.25	20.23	21.5	0				
15	16QAM	1	0	20.36	20.48	20.45						
15	16QAM	1	37	20.40	20.40	20.46						
15	16QAM	1	74	20.47	20.36	20.44	21.5	0				
15	16QAM	36	0	20.44	20.38	20.37						
15	16QAM	36	20	20.27	20.43	20.33						
15	16QAM	36	39	20.23	20.26	20.26	21.5	0				
15	16QAM	75	0	20.45	20.28	20.29						
15	64QAM	1	0	20.30	20.32	20.32	21.5	0				
15	64QAM	1	37	20.48	20.34	20.38						
15	64QAM	1	74	20.44	20.33	20.47						
15	64QAM	36	0	19.86	20.20	20.18	21.5	0				
15	64QAM	36	20	19.96	20.20	20.33						
15	64QAM	36	39	19.91	20.12	20.29						
15	64QAM	75	0	19.89	20.22	20.14	21.5	0				
Channel												
Frequency (MHz)				20050	20175	20300				Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	20.46	20.47	20.45	21.5	0				
10	QPSK	1	25	20.36	20.34	20.45						
10	QPSK	1	49	20.35	20.53	20.43						
10	QPSK	25	0	20.46	20.56	20.26	21.5	0				
10	QPSK	25	12	20.29	20.34	20.22						
10	QPSK	25	25	20.31	20.19	20.39						
10	QPSK	50	0	20.19	20.25	20.24	21.5	0				
10	16QAM	1	0	20.44	20.40	20.49						
10	16QAM	1	25	20.42	20.38	20.35						
10	16QAM	1	49	20.36	20.47	20.48	21.5	0				
10	16QAM	25	0	20.45	20.42	20.42						
10	16QAM	25	12	20.35	20.40	20.28						
10	16QAM	25	25	20.30	20.29	20.28	21.5	0				
10	16QAM	50	0	20.45	20.31	20.33						
10	64QAM	1	0	20.30	20.28	20.28						
10	64QAM	1	25	20.40	20.30	20.41	21.5	0				
10	64QAM	1	49	20.43	20.37	20.44						
10	64QAM	25	0	19.92	20.29	20.27						
10	64QAM	25	12	20.05	20.24	20.37	21.5	0				
10	64QAM	25	25	19.89	20.12	20.18						
10	64QAM	50	0	19.94	20.18	20.19						
Channel												
Frequency (MHz)				1717.5	1732.5	1750.5				Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	20.52	20.51	20.41	21.5	0				
5	QPSK	1	12	20.36	20.33	20.46						
5	QPSK	1	24	20.34	20.47	20.47						
5	QPSK	12	0	20.48	20.50	20.26	21.5	0				
5	QPSK	12	7	20.26	20.24	20.20						
5	QPSK	12	13	20.36	20.29	20.43						
5	QPSK	25	0	20.20	20.31	20.24	21.5	0				
5	16QAM	1	0	20.39	20.44	20.43						
5	16QAM	1	12	20.41	20.38	20.36						
5	16QAM	1	24	20.39	20.36	20.46	21.5	0				
5	16QAM	12	0	20.37	20.38	20.31						
5	16QAM	12	7	20.27	20.39	20.39						
5	16QAM	12	13	20.27	20.27	20.31	21.5	0				
5	16QAM	25	0	20.42	20.29	20.35						
5	64QAM	1	0	20.31	20.30	20.36						
5	64QAM	1	12	20.37	20.35	20.39	21.5	0				
5	64QAM	1	24	20.37	20.37	20.48						
5	64QAM	12	0	19.81	20.22	20.23						
5	64QAM	12	7	19.99	20.16	20.36	21.5	0				
5	64QAM	12	13	19.87	20.12	20.26						
5	64QAM	25	0	19.90	20.18	20.14						
Channel												
Frequency (MHz)				19695	20175	20385				Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	20.47	20.52	20.51	21.5	0				
3	QPSK	1	8	20.36	20.33	20.48						
3	QPSK	1	14	20.46	20.41	20.45						
3	QPSK	8	0	20.44	20.57	20.30	21.5	0				
3	QPSK	8	4	20.26	20.27	20.21						
3	QPSK	8	7	20.40	20.21	20.41						
3	QPSK	15	0	20.22	20.29	20.27	21.5	0				
3	16QAM	1	0	20.36	20.43	20.42						
3	16QAM	1	8	20.42	20.40	20.36						
3	16QAM	1	14	20.41	20.38	20.38	21.5	0				
3	16QAM	8	0	20.41	20.40	20.25						
3	16QAM	8	4	20.34	20.33	20.40						
3	16QAM	8	7	20.22	20.30	20.25	21.5	0				
3	16QAM	15	0	20.36	20.38	20.29						
3	64QAM	1	0	20.28	20.31	20.34						
3	64QAM	1	8	20.48	20.33	20.37	21.5	0				
3	64QAM	1	14	20.44	20.26	20.40						
3	64QAM	8	0	19.91	20.22	20.18						
3	64QAM	8	4	20.02	20.18	20.30	21.5	0				
3	64QAM	8	7	19.86	20.20	20.20						
3	64QAM	15	0	19.89	20.17	20.16						
Channel												
Frequency (MHz)				19697	20175	20383				Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	20.45	20.53	20.50	21.5	0				
1.4	QPSK	1	3	20.33	20.36	20.56						
1.4	QPSK	1	5	20.35	20.47	20.45						
1.4	QPSK	3	0	20.44	20.47	20.27	21.5	0				
1.4	QPSK	3	1	20.25	20.22	20.30						
1.4	QPSK	3	3	20.33	20.30	20.36						
1.4	QPSK	6	0	20.22	20.35	20.20	21.5	0				
1.4	16QAM	1	0	20.44	20.38	20.41						
1.4	16QAM	1	3	20.44	20.45	20.47						
1.4	16QAM	1	5	20.40	20.39	20.41	21.5	0				
1.4	16QAM	3	0	20.37	20.35	20.36						
1.4	16QAM	3	1	20.25	20.36	20.32						
1.4	16QAM	3	3	20.28	20.33	20.24	21.5	0				
1.4	16QAM	6	0	20.37	20.28	20.29						
1.4	16QAM	6	0	20.25	20.25	20.35						
1.4	64QAM	1	3	20.43	20.35	20.36	21.5	0				
1.4	64QAM	1	5	20.36	20.30	20.45						
1.4	64QAM	3	0	20.27	20.27	20.27						
1.4	64QAM	3	1	20.03	20.16	20.29	21.5	0				
1.4	64QAM	3	3	19.91	20.15	20.22						
1.4	64QAM	6	0	19.99	20.27	20.25						

DSI 4 Power

Band 4_Ant31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20050	20175	20300	1720	1732.5	1745
Frequency (MHz)									
20	QPSK	1	0	17.61	17.62	17.61	18.5	0	
20	QPSK	1	49	17.64	17.67	17.64			
20	QPSK	1	99	17.56	17.52	17.52			
20	QPSK	50	0	17.54	17.57	17.42	18.5	0	
20	QPSK	50	24	17.36	17.36	17.36			
20	QPSK	50	50	17.50	17.39	17.53			
20	QPSK	100	0	17.29	17.45	17.39	18.5	0	
20	16QAM	1	0	17.47	17.52	17.60			
20	16QAM	1	49	17.55	17.58	17.57			
20	16QAM	1	99	17.53	17.49	17.51	18.5	0	
20	16QAM	50	0	17.53	17.43	17.44			
20	16QAM	50	24	17.36	17.46	17.52			
20	16QAM	50	50	17.39	17.43	17.42	18.5	0	
20	16QAM	100	0	17.54	17.50	17.47			
20	64QAM	1	0	17.30	17.35	17.48			
20	64QAM	1	49	17.57	17.37	17.50	18.5	0	
20	64QAM	1	99	17.54	17.48	17.55			
20	64QAM	50	0	16.95	17.29	17.35			
20	64QAM	50	24	17.08	17.37	17.42	18.5	0	
20	64QAM	50	50	16.93	17.28	17.33			
20	64QAM	100	0	17.10	17.37	17.24			
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1732.5	1747.5	1715	1732.5	1747.5
15	QPSK	1	0	17.65	17.60	17.55			
15	QPSK	1	37	17.56	17.42	17.61			
15	QPSK	1	74	17.49	17.57	17.51			
15	QPSK	36	0	17.53	17.59	17.34	18.5	0	
15	QPSK	36	20	17.39	17.42	17.40			
15	QPSK	36	39	17.47	17.40	17.52			
15	QPSK	75	0	17.39	17.39	17.40	18.5	0	
15	16QAM	1	0	17.54	17.46	17.61			
15	16QAM	1	37	17.44	17.46	17.57			
15	16QAM	1	74	17.51	17.56	17.47	18.5	0	
15	16QAM	36	0	17.51	17.51	17.42			
15	16QAM	36	20	17.37	17.56	17.51			
15	16QAM	36	39	17.32	17.34	17.39	18.5	0	
15	16QAM	75	0	17.56	17.42	17.47			
15	64QAM	1	0	17.38	17.44	17.45	18.5	0	
15	64QAM	1	37	17.46	17.46	17.61			
15	64QAM	1	74	17.48	17.36	17.61			
15	64QAM	36	0	17.02	17.29	17.37	18.5	0	
15	64QAM	36	20	17.16	17.32	17.46			
15	64QAM	36	39	17.05	17.29	17.38			
15	64QAM	75	0	17.00	17.33	17.31	18.5	0	
Channel				20000	20175	20350			
Frequency (MHz)				1715	1732.5	1750	1715	1732.5	1750
10	QPSK	1	0	17.58	17.64	17.54			
10	QPSK	1	25	17.48	17.46	17.58			
10	QPSK	1	49	17.46	17.59	17.52			
10	QPSK	25	0	17.57	17.62	17.40	18.5	0	
10	QPSK	25	12	17.38	17.35	17.43			
10	QPSK	25	25	17.47	17.39	17.48			
10	QPSK	50	0	17.30	17.40	17.29	18.5	0	
10	16QAM	1	0	17.51	17.58	17.54			
10	16QAM	1	25	17.49	17.51	17.49			
10	16QAM	1	49	17.47	17.58	17.49	18.5	0	
10	16QAM	25	0	17.50	17.46	17.45			
10	16QAM	25	12	17.36	17.46	17.47			
10	16QAM	25	25	17.34	17.34	17.35	18.5	0	
10	16QAM	50	0	17.48	17.47	17.46			
10	64QAM	1	0	17.32	17.43	17.43			
10	64QAM	1	25	17.54	17.44	17.49	18.5	0	
10	64QAM	1	49	17.47	17.44	17.56			
10	64QAM	25	0	16.91	17.40	17.40			
10	64QAM	25	12	17.04	17.32	17.44	18.5	0	
10	64QAM	25	25	17.05	17.28	17.35			
10	64QAM	50	0	17.11	17.28	17.31			
Channel				19975 <th>20175<th>20375</th><th rowspan="2">1712.5</th><th rowspan="2">1732.5</th><th rowspan="2">1752.5</th></th>	20175 <th>20375</th> <th rowspan="2">1712.5</th> <th rowspan="2">1732.5</th> <th rowspan="2">1752.5</th>	20375	1712.5	1732.5	1752.5
Frequency (MHz)									
5	QPSK	1	0	17.64	17.61	17.51	18.5	0	
5	QPSK	1	12	17.49	17.43	17.63			
5	QPSK	1	24	17.57	17.57	17.51			
5	QPSK	12	0	17.55	17.60	17.39	18.5	0	
5	QPSK	12	7	17.29	17.44	17.39			
5	QPSK	12	13	17.40	17.40	17.49			
5	QPSK	25	0	17.37	17.41	17.39	18.5	0	
5	16QAM	1	0	17.49	17.57	17.52			
5	16QAM	1	12	17.53	17.56	17.51			
5	16QAM	1	24	17.48	17.52	17.49	18.5	0	
5	16QAM	12	0	17.54	17.46	17.38			
5	16QAM	12	7	17.42	17.49	17.44			
5	16QAM	12	13	17.34	17.40	17.46	18.5	0	
5	16QAM	25	0	17.51	17.41	17.39			
5	64QAM	1	0	17.40	17.39	17.45			
5	64QAM	1	12	17.57	17.48	17.58	18.5	0	
5	64QAM	1	24	17.58	17.39	17.59			
5	64QAM	12	0	16.93	17.34	17.34			
5	64QAM	12	7	17.04	17.38	17.43	18.5	0	
5	64QAM	12	13	17.02	17.22	17.35			
5	64QAM	25	0	17.08	17.28	17.29			
Channel				19955	20175	20385	1711.5	1732.5	1753.5
Frequency (MHz)									
3	QPSK	1	0	17.53	17.61	17.58	18.5	0	
3	QPSK	1	8	17.44	17.49	17.58			
3	QPSK	1	14	17.47	17.60	17.56			
3	QPSK	8	0	17.50	17.61	17.41	18.5	0	
3	QPSK	8	4	17.36	17.37	17.42			
3	QPSK	8	7	17.52	17.36	17.50			
3	QPSK	15	0	17.36	17.41	17.40	18.5	0	
3	16QAM	1	0	17.47	17.49	17.54			
3	16QAM	1	8	17.49	17.57	17.48			
3	16QAM	1	14	17.50	17.47	17.49	18.5	0	
3	16QAM	8	0	17.58	17.47	17.41			
3	16QAM	8	4	17.36	17.55	17.47			
3	16QAM	8	7	17.39	17.36	17.41	18.5	0	
3	16QAM	15	0	17.53	17.36	17.45			
3	64QAM	1	0	17.32	17.41	17.45			
3	64QAM	1	8	17.47	17.46	17.49	18.5	0	
3	64QAM	1	14	17.57	17.47	17.62			
3	64QAM	8	0	16.97	17.29	17.38			
3	64QAM	8	4	17.08	17.37	17.43	18.5	0	
3	64QAM	8	7	16.93	17.22	17.29			
3	64QAM	15	0	17.01	17.32	17.35			
Channel				19957	20175	20393	1710.7	1732.5	1754.3
Frequency (MHz)									
1.4	QPSK	1	0	17.54	17.60	17.63	18.5	0	
1.4	QPSK	1	3	17.51	17.44	17.57			
1.4	QPSK	1	5	17.46	17.57	17.61			
1.4	QPSK	3	0	17.54	17.57	17.38	18.5	0	
1.4	QPSK	3	1	17.41	17.40	17.32			
1.4	QPSK	3	3	17.40	17.35	17.55			
1.4	QPSK	6	0	17.38	17.48	17.28	18.5	0	
1.4	16QAM	1	0	17.53	17.49	17.56	18.5	0	
1.4	16QAM	1	5	17.56	17.46	17.64			
1.4	16QAM	3	0	17.51	17.54	17.46			
1.4	16QAM	3	1	17.41	17.56	17.48	18.5	0	
1.4	16QAM	3	3	17.38	17.39	17.46			
1.4	16QAM	6	0	17.51	17.36	17.50			
1.4	64QAM	1	0	17.42	17.36	17.50	18.5	0	
1.4	64QAM	1	3	17.54	17.39	17.56			
1.4	64QAM	1	5	17.56	17.38	17.58			
1.4	64QAM	3	0	16.97	17.37	17.29	18.5	0	
1.4	64QAM	3	1	17.04	17.30	17.47			
1.4	64QAM	3	3	17.03	17.29	17.35			
1.4	64QAM	6	0	16.99	17.33	17.36	18.5	0	

DSI 5& DSI6 Power

Band 4_Ant31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				20050	20175	20300			
20	QPSK	1	0	16.02	16.14	16.09			
20	QPSK	1	49	16.13	16.24	16.11	17	0	
20	QPSK	1	99	16.07	16.06	16.04			
20	QPSK	50	0	16.04	16.13	16.09			
20	QPSK	50	24	15.93	15.91	15.85	17	0	
20	QPSK	50	50	15.97	15.91	16.03			
20	QPSK	100	0	15.88	16.00	15.97			
20	16QAM	1	0	16.06	16.05	16.15			
20	16QAM	1	49	16.10	16.04	16.09	17	0	
20	16QAM	1	99	16.11	16.01	16.08			
20	16QAM	50	0	16.12	16.08	15.99			
20	16QAM	50	24	15.91	15.99	16.00	17	0	
20	16QAM	50	50	15.84	15.92	15.88			
20	16QAM	100	0	16.06	16.00	15.94			
20	64QAM	1	0	15.84	15.99	15.92			
20	64QAM	1	49	16.04	16.00	16.01	17	0	
20	64QAM	1	99	16.05	16.02	16.12			
20	64QAM	50	0	15.51	15.94	15.85			
20	64QAM	50	24	15.62	15.91	15.92	17	0	
20	64QAM	50	50	15.50	15.86	15.95			
20	64QAM	100	0	15.59	15.86	15.86			
Channel									
Frequency (MHz)				1717.5	1732.5	1747.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	16.07	16.20	16.14			
15	QPSK	1	37	16.08	15.99	16.09	17	0	
15	QPSK	1	74	16.00	16.12	16.06			
15	QPSK	36	0	16.08	16.11	15.96			
15	QPSK	36	20	15.87	15.88	15.91	17	0	
15	QPSK	36	39	15.97	15.89	16.13			
15	QPSK	75	0	15.94	15.95	15.89			
15	16QAM	1	0	15.99	16.05	16.16			
15	16QAM	1	37	16.00	16.10	16.07	17	0	
15	16QAM	1	74	16.03	16.02	16.12			
15	16QAM	36	0	16.11	16.05	16.00			
15	16QAM	36	20	16.00	16.09	16.03	17	0	
15	16QAM	36	39	15.86	15.92	15.96			
15	16QAM	75	0	15.99	16.05	15.99			
15	64QAM	1	0	15.87	15.89	15.93			
15	64QAM	1	37	16.08	15.93	16.03	17	0	
15	64QAM	1	74	16.00	16.02	16.06			
15	64QAM	36	0	15.51	15.85	15.87			
15	64QAM	36	20	15.66	15.81	16.01	17	0	
15	64QAM	36	39	15.57	15.85	15.95			
15	64QAM	75	0	15.60	15.88	15.78			
Channel									
Frequency (MHz)				20050	20175	20350	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	16.13	16.18	16.09			
10	QPSK	1	25	16.00	16.08	16.18	17	0	
10	QPSK	1	49	16.04	16.17	16.04			
10	QPSK	25	0	16.11	16.17	16.17			
10	QPSK	25	12	15.98	15.99	15.85	17	0	
10	QPSK	25	25	16.01	15.98	16.10			
10	QPSK	50	0	15.91	16.02	15.84			
10	16QAM	1	0	16.08	16.05	16.16			
10	16QAM	1	25	16.07	16.03	16.02	17	0	
10	16QAM	1	49	16.07	16.07	16.01			
10	16QAM	25	0	16.06	16.07	15.95			
10	16QAM	25	12	16.00	16.06	15.97	17	0	
10	16QAM	25	25	15.91	15.93	15.96			
10	16QAM	50	0	16.07	15.94	16.04			
10	64QAM	1	0	15.93	15.89	15.98			
10	64QAM	1	25	16.11	15.96	16.04	17	0	
10	64QAM	1	49	16.06	15.98	16.09			
10	64QAM	25	0	15.55	15.92	15.83			
10	64QAM	25	12	15.59	15.85	15.96	17	0	
10	64QAM	25	25	15.57	15.86	15.84			
10	64QAM	50	0	15.65	15.93	15.83			
Channel									
Frequency (MHz)				1716.5	1732.5	1752.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	16.13	16.12	16.10			
5	QPSK	1	12	16.00	16.00	16.15			
5	QPSK	1	24	16.04	16.10	16.12			
5	QPSK	12	0	16.08	16.18	15.94			
5	QPSK	12	7	15.87	15.95	15.88	17	0	
5	QPSK	12	13	15.98	15.89	16.01			
5	QPSK	25	0	15.88	15.93	15.82			
5	16QAM	1	0	16.00	16.07	16.16	17	0	
5	16QAM	1	12	16.07	16.06	16.07			
5	16QAM	1	24	16.01	16.12	16.05			
5	16QAM	12	0	16.08	16.02	16.01			
5	16QAM	12	7	15.90	16.04	16.08	17	0	
5	16QAM	12	13	15.85	15.89	15.95			
5	16QAM	25	0	16.01	15.95	15.99			
5	64QAM	1	0	15.91	15.93	16.03			
5	64QAM	1	12	16.01	15.95	16.07	17	0	
5	64QAM	1	24	16.02	16.04	16.09			
5	64QAM	12	0	15.52	15.93	15.93			
5	64QAM	12	7	15.63	15.82	15.90	17	0	
5	64QAM	12	13	15.57	15.82	15.86			
5	64QAM	25	0	15.62	15.91	15.79			
Channel									
Frequency (MHz)				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	16.11	16.15	16.15			
3	QPSK	1	8	16.01	16.08	16.13	17	0	
3	QPSK	1	14	16.02	16.17	16.11			
3	QPSK	8	0	16.12	16.16	16.07			
3	QPSK	8	4	15.95	15.94	15.94	17	0	
3	QPSK	8	7	15.97	15.95	16.04			
3	QPSK	15	0	15.85	15.99	15.89			
3	16QAM	1	0	16.00	16.13	16.16			
3	16QAM	1	8	16.04	16.08	16.09	17	0	
3	16QAM	1	14	16.11	16.07	16.09			
3	16QAM	8	0	16.10	16.01	15.91			
3	16QAM	8	4	15.99	16.09	15.99	17	0	
3	16QAM	8	7	15.84	15.92	15.95			
3	16QAM	15	0	16.02	16.00	16.02			
3	64QAM	1	0	15.87	15.91	16.01			
3	64QAM	1	8	16.12	16.02	16.10	17	0	
3	64QAM	8	0	15.47	15.86	15.88			
3	64QAM	8	4	15.59	15.89	16.00	17	0	
3	64QAM	8	7	15.55	15.80	15.88			
3	64QAM	15	0	15.57	15.87	15.83			
Channel									
Frequency (MHz)				19767	20175	20363	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	16.07	16.12	16.11			
1.4	QPSK	1	3	16.01	16.01	16.11	17	0	
1.4	QPSK	1	5	16.04	16.15	16.04			
1.4	QPSK	3	0	16.07	16.14	15.95			
1.4	QPSK	3	1	15.90	15.93	15.93			
1.4	QPSK	3	3	16.00	15.94	16.03			
1.4	QPSK	6	0	15.88	15.98	15.82	17	0	
1.4	16QAM	1	0	15.99	16.13	16.09			
1.4	16QAM	1	3	16.07	16.03	16.12			
1.4	16QAM	1	5	16.11	16.01	16.08	17	0	
1.4	16QAM	3	0	16.09	16.02	15.98			
1.4	16QAM	3	1	15.95	16.01	16.05			
1.4	16QAM	3	3	16.06	15.97	15.95			
1.4	16QAM	6	0	15.80	15.95	15.97	17	0	
1.4	64QAM	1	0	15.86	15.96	15.98			
1.4	64QAM	1	3	16.03	15.99	16.12			
1.4	64QAM	1	5	16.10	15.96	16.17			
1.4	64QAM	3	0	15.52	15.92	15.91	17	0	
1.4	64QAM	3	1	15.56	15.83	15.92			
1.4	64QAM	3	3	15.52	15.78	15.86			
1.4	64QAM	6	0	15.81	15.81	15.86	17	0	

DSI 7 Power

Band 7_Ant14									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560	21.5	0	
20	QPSK	1	0	20.62	20.60	20.54			
20	QPSK	1	49	20.63	20.69	20.65			
20	QPSK	1	99	20.58	20.56	20.62			
20	QPSK	50	0	20.52	20.68	20.55	21.5	0	
20	QPSK	50	24	20.39	20.34	20.44			
20	QPSK	50	50	20.46	20.34	20.60			
20	QPSK	100	0	20.33	20.44	20.29			
20	16QAM	1	0	20.52	20.56	20.53	21.5	0	
20	16QAM	1	49	20.48	20.55	20.56			
20	16QAM	1	99	20.50	20.56	20.60			
20	16QAM	50	0	20.57	20.48	20.43			
20	16QAM	50	24	20.47	20.49	20.55	21.5	0	
20	16QAM	50	50	20.40	20.41	20.36			
20	16QAM	100	0	20.48	20.52	20.45			
20	64QAM	1	0	20.31	20.40	20.40			
20	64QAM	1	49	20.52	20.40	20.50	21.5	0	
20	64QAM	1	99	20.59	20.45	20.64			
20	64QAM	50	0	19.93	20.42	20.32			
20	64QAM	50	24	20.12	20.31	20.42			
20	64QAM	50	50	19.96	20.27	20.37	21.5	0	
20	64QAM	100	0	20.00	20.33	20.36			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	20.60	20.68	20.58	21.5	0	
15	QPSK	1	37	20.52	20.48	20.64			
15	QPSK	1	74	20.50	20.65	20.53			
15	QPSK	36	0	20.56	20.67	20.31			
15	QPSK	36	20	20.35	20.46	20.37	21.5	0	
15	QPSK	36	39	20.49	20.34	20.60			
15	QPSK	75	0	20.40	20.39	20.30			
15	16QAM	1	0	20.52	20.50	20.55			
15	16QAM	1	37	20.50	20.56	20.54	21.5	0	
15	16QAM	1	74	20.55	20.48	20.56			
15	16QAM	36	0	20.60	20.54	20.38			
15	16QAM	36	20	20.38	20.57	20.49			
15	16QAM	36	39	20.39	20.42	20.44	21.5	0	
15	16QAM	75	0	20.47	20.48	20.51			
15	64QAM	1	0	20.34	20.42	20.40			
15	64QAM	1	37	20.58	20.45	20.53			
15	64QAM	1	74	20.53	20.49	20.54	21.5	0	
15	64QAM	36	0	20.03	20.38	20.37			
15	64QAM	36	20	20.05	20.36	20.48			
15	64QAM	36	39	19.94	20.32	20.35			
15	64QAM	75	0	20.11	20.33	20.30	21.5	0	
Channel				20810	21100	21400			
Frequency (MHz)				2505	2535	2565	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	20.54	20.64	20.57			
10	QPSK	1	25	20.52	20.50	20.56	21.5	0	
10	QPSK	1	49	20.52	20.56	20.58			
10	QPSK	25	0	20.53	20.62	20.36			
10	QPSK	25	12	20.41	20.46	20.40			
10	QPSK	25	25	20.44	20.37	20.60	21.5	0	
10	QPSK	50	0	20.41	20.43	20.37			
10	16QAM	1	0	20.46	20.55	20.59			
10	16QAM	1	25	20.54	20.55	20.52			
10	16QAM	1	49	20.47	20.56	20.48	21.5	0	
10	16QAM	25	0	20.55	20.52	20.37			
10	16QAM	25	12	20.43	20.53	20.52			
10	16QAM	25	25	20.35	20.42	20.37			
10	16QAM	50	0	20.54	20.48	20.40	21.5	0	
10	64QAM	1	0	20.36	20.47	20.50			
10	64QAM	1	25	20.53	20.49	20.59			
10	64QAM	1	49	20.57	20.44	20.62			
10	64QAM	25	0	19.96	20.40	20.32	21.5	0	
10	64QAM	25	12	20.07	20.35	20.47			
10	64QAM	25	25	20.00	20.33	20.39			
10	64QAM	50	0	20.06	20.34	20.36			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	20.55	20.64	20.56	21.5	0	
5	QPSK	1	12	20.53	20.55	20.62			
5	QPSK	1	24	20.53	20.61	20.54			
5	QPSK	12	0	20.55	20.62	20.31			
5	QPSK	12	7	20.41	20.43	20.40	21.5	0	
5	QPSK	12	13	20.51	20.41	20.56			
5	QPSK	25	0	20.34	20.44	20.32			
5	16QAM	1	0	20.55	20.56	20.62			
5	16QAM	1	12	20.48	20.50	20.50	21.5	0	
5	16QAM	1	24	20.47	20.53	20.60			
5	16QAM	12	0	20.61	20.51	20.47			
5	16QAM	12	7	20.47	20.55	20.46			
5	16QAM	12	13	20.38	20.47	20.43	21.5	0	
5	16QAM	25	0	20.47	20.48	20.38			
5	64QAM	1	0	20.38	20.46	20.49			
5	64QAM	1	12	20.57	20.41	20.55			
5	64QAM	1	24	20.49	20.48	20.59	21.5	0	
5	64QAM	12	0	19.96	20.36	20.38			
5	64QAM	12	7	20.09	20.39	20.47			
5	64QAM	12	13	20.05	20.22	20.30			
5	64QAM	25	0	20.08	20.28	20.33	21.5	0	

Band 7_Ant12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	20.61	20.63	20.56	21.5	0	
20	QPSK	1	49	20.68	20.71	20.65			
20	QPSK	1	99	20.56	20.53	20.61			
20	QPSK	50	0	20.57	20.67	20.63			
20	QPSK	50	24	20.36	20.43	20.36	21.5	0	
20	QPSK	50	50	20.44	20.42	20.58			
20	QPSK	100	0	20.33	20.46	20.41			
20	16QAM	1	0	20.50	20.54	20.59			
20	16QAM	1	49	20.51	20.53	20.51	21.5	0	
20	16QAM	1	99	20.55	20.54	20.57			
20	16QAM	50	0	20.55	20.45	20.36			
20	16QAM	50	24	20.38	20.52	20.49			
20	16QAM	50	50	20.35	20.37	20.42	21.5	0	
20	16QAM	100	0	20.50	20.44	20.39			
20	64QAM	1	0	20.32	20.43	20.41			
20	64QAM	1	49	20.53	20.47	20.48			
20	64QAM	1	99	20.52	20.47	20.58	21.5	0	
20	64QAM	50	0	19.84	20.40	20.34			
20	64QAM	50	24	20.05	20.38	20.38			
20	64QAM	50	50	20.05	20.31	20.31			
20	64QAM	100	0	20.02	20.30	20.35			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	20.57	20.65	20.55	21.5	0	
15	QPSK	1	37	20.49	20.45	20.57			
15	QPSK	1	74	20.54	20.53	20.54			
15	QPSK	36	0	20.52	20.64	20.39			
15	QPSK	36	20	20.31	20.36	20.44	21.5	0	
15	QPSK	36	39	20.41	20.32	20.55			
15	QPSK	75	0	20.42	20.44	20.35			
15	16QAM	1	0	20.50	20.58	20.58			
15	16QAM	1	37	20.46	20.47	20.55	21.5	0	
15	16QAM	1	74	20.49	20.54	20.55			
15	16QAM	36	0	20.49	20.50	20.42			
15	16QAM	36	20	20.48	20.56	20.54			
15	16QAM	36	39	20.38	20.46	20.42	21.5	0	
15	16QAM	75	0	20.48	20.41	20.49			
15	64QAM	1	0	20.43	20.41	20.46			
15	64QAM	1	37	20.49	20.44	20.48			
15	64QAM	1	74	20.54	20.39	20.62	21.5	0	
15	64QAM	36	0	20.01	20.32	20.35			
15	64QAM	36	20	20.11	20.38	20.38			
15	64QAM	36	39	20.04	20.34	20.41			
15	64QAM	75	0	20.07	20.35	20.31			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	20.58	20.62	20.60	21.5	0	
10	QPSK	1	25	20.50	20.43	20.56			
10	QPSK	1	49	20.58	20.65	20.62			
10	QPSK	25	0	20.60	20.57	20.35			
10	QPSK	25	12	20.38	20.46	20.33	21.5	0	
10	QPSK	25	25	20.43	20.39	20.54			
10	QPSK	50	0	20.39	20.37	20.33			
10	16QAM	1	0	20.47	20.54	20.62			
10	16QAM	1	25	20.54	20.55	20.58	21.5	0	
10	16QAM	1	49	20.49	20.60	20.53			
10	16QAM	25	0	20.59	20.43	20.40			
10	16QAM	25	12	20.39	20.56	20.52			
10	16QAM	25	25	20.39	20.40	20.38	21.5	0	
10	16QAM	50	0	20.47	20.48	20.43			
10	64QAM	1	0	20.31	20.44	20.39			
10	64QAM	1	25	20.52	20.44	20.54			
10	64QAM	1	49	20.51	20.41	20.54	21.5	0	
10	64QAM	25	0	19.88	20.37	20.32			
10	64QAM	25	12	20.17	20.30	20.38			
10	64QAM	25	25	19.97	20.33	20.34			
10	64QAM	50	0	20.07	20.34	20.31			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	20.61	20.64	20.52	21.5	0	
5	QPSK	1	12	20.54	20.46	20.68			
5	QPSK	1	24	20.48	20.56	20.57			
5	QPSK	12	0	20.57	20.60	20.37			
5	QPSK	12	7	20.40	20.37	20.32	21.5	0	
5	QPSK	12	13	20.53	20.43	20.55			
5	QPSK	25	0	20.41	20.38	20.33			
5	16QAM	1	0	20.49	20.60	20.65			
5	16QAM	1	12	20.45	20.50	20.47	21.5	0	
5	16QAM	1	24	20.49	20.58	20.50			
5	16QAM	12	0	20.58	20.44	20.46			
5	16QAM	12	7	20.45	20.53	20.55			
5	16QAM	12	13	20.42	20.38	20.42	21.5	0	
5	16QAM	25	0	20.45	20.41	20.44			
5	64QAM	1	0	20.38	20.45	20.40			
5	64QAM	1	12	20.52	20.39	20.58			
5	64QAM	1	24	20.48	20.38	20.52	21.5	0	
5	64QAM	12	0	19.86	20.36	20.31			
5	64QAM	12	7	20.08	20.36	20.43			
5	64QAM	12	13	19.97	20.25	20.30			
5	64QAM	25	0	20.00	20.38	20.36			



Downlink CA Power

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

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

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



Full Power for 5GNR

n2_Ant14

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F (W)	Power Media Ch. F (W)	Power High Ch. F (W)	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	PUSC BPSK	1	1	21.80	21.76	21.88		0.0
20	PUSC BPSK	1	33	21.86	22.12	22.11	23.2	
20	PUSC BPSK	1	104	21.92	21.85	22.01		0.0
20	PUSC BPSK	50	5	21.31	21.35	21.43	22.7	0.5
20	PUSC BPSK	50	26	21.50	21.34	21.50	23.5	0.0
20	PUSC BPSK	50	56	21.47	21.31	21.38		0.5
20	PUSC BPSK	100	0	21.20	21.05	21.42		
20	QPSK	1	1	21.83	21.74	21.76		
20	QPSK	1	33	21.85	21.98	22.02	23.2	0.0
20	QPSK	1	104	21.95	21.92	21.95		
20	QPSK	50	5	20.79	20.89	20.88	22.2	1.0
20	QPSK	50	26	21.15	21.01	21.02	23.5	0.0
20	QPSK	50	56	20.92	20.82	20.89		1.0
20	QPSK	100	0	20.60	20.46	20.64		
20	16QAM	1	1	20.55	20.40	20.43	22.2	1.0
20	16QAM	1	1	19.97	19.90	19.11	20.7	2.5
20	256QAM	1	1	17.70	17.58	17.62	18.7	4.5
Channel								
Frequency (MHz)								
10	PUSC BPSK	1	1	21.86	21.88	21.92	23.0	0.0
Channel								
Frequency (MHz)								
10	PUSC BPSK	1	1	21.86	21.85	21.87	23.2	0.0
Channel								
Frequency (MHz)								
5	PUSC BPSK	1	1	22.00	21.98	22.08	23.2	0.0

n2_Ant31

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F (W)	Power Media Ch. F (W)	Power High Ch. F (W)	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	PUSC BPSK	1	1	22.08	22.05	21.98		
20	PUSC BPSK	1	33	22.14	22.21	22.19	23.0	0.0
20	PUSC BPSK	1	104	22.05	22.18	22.15		
20	PUSC BPSK	50	5	21.59	21.49	21.51	22.5	0.5
20	PUSC BPSK	50	26	22.15	22.11	22.12	23.0	0.0
20	PUSC BPSK	50	56	21.62	21.53	21.47		0.5
20	PUSC BPSK	100	0	21.42	21.65	21.54		
20	QPSK	1	1	21.99	21.84	21.87		
20	QPSK	1	33	22.08	22.10	22.08	23.0	0.0
20	QPSK	1	104	22.05	22.05	22.15		
20	QPSK	50	5	21.05	21.00	20.99	22.0	1.0
20	QPSK	50	26	22.12	22.01	22.08	23.0	0.0
20	QPSK	50	56	21.12	20.99	20.94		1.0
20	QPSK	100	0	21.07	21.00	21.06		
20	16QAM	1	1	20.61	20.75	20.71	22.0	1.0
20	16QAM	1	1	19.20	19.28	19.20	20.5	2.5
20	256QAM	1	1	17.81	17.83	17.85	18.5	4.5
Channel								
Frequency (MHz)								
15	PUSC BPSK	1	1	22.21	22.14	22.12	23.0	0.0
Channel								
Frequency (MHz)								
10	PUSC BPSK	1	1	22.21	22.11	22.12	23.0	0.0
Channel								
Frequency (MHz)								
5	PUSC BPSK	1	1	22.02	22.11	22.12	23.0	0.0

n5_Ant11

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F (W)	Power Media Ch. F (W)	Power High Ch. F (W)	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	PUSC BPSK	1	1	23.58	23.58	23.57		
20	PUSC BPSK	1	33	23.58	23.77	23.67	24.7	0.0
20	PUSC BPSK	1	104	23.70	23.83	23.85		
20	PUSC BPSK	50	5	23.25	23.29	23.24	24.2	0.5
20	PUSC BPSK	50	26	23.71	23.74	23.73	24.7	0.0
20	PUSC BPSK	50	56	23.27	23.31	23.10		0.5
20	PUSC BPSK	100	0	23.21	23.02	23.29		
20	QPSK	1	1	23.67	23.59	23.63		
20	QPSK	1	33	23.50	23.63	23.64	24.7	0.0
20	QPSK	1	104	23.60	23.65	23.55		
20	QPSK	50	5	22.79	22.83	22.81	23.7	1.0
20	QPSK	50	26	23.14	23.75	23.70	24.7	0.0
20	QPSK	50	56	22.87	22.87	22.84		1.0
20	QPSK	100	0	22.82	22.66	22.84		
20	16QAM	1	1	22.34	22.34	22.35	23.7	1.0
20	16QAM	1	1	21.09	21.03	21.04	22.2	2.5
20	256QAM	1	1	19.29	19.01	19.54	20.2	4.5
Channel								
Frequency (MHz)								
15	PUSC BPSK	1	1	23.69	23.60	23.59	24.7	0.0
Channel								
Frequency (MHz)								
10	PUSC BPSK	1	1	23.63	23.65	23.62	24.7	0.0
Channel								
Frequency (MHz)								
5	PUSC BPSK	1	1	23.60	23.61	23.60	24.7	0.0

n5_Ant41

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F (W)	Power Media Ch. F (W)	Power High Ch. F (W)	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	PUSC BPSK	1	1	23.56	23.57	23.59		
20	PUSC BPSK	1	33	23.56	23.75	23.69	24.4	0.0
20	PUSC BPSK	1	104	23.60	23.65	23.55		
20	PUSC BPSK	50	5	23.24	23.29	23.12	23.9	0.5
20	PUSC BPSK	50	26	23.71	23.74	23.61	24.4	0.0
20	PUSC BPSK	50	56	23.29	23.12	23.01		0.5
20	PUSC BPSK	100	0	23.21	23.02	23.29		
20	QPSK	1	1	23.54	23.53	23.62		
20	QPSK	1	33	23.62	23.66	23.66	24.4	0.0
20	QPSK	1	104	23.66	23.63	23.57		
20	QPSK	50	5	22.82	22.79	22.85	23.4	1.0
20	QPSK	50	26	23.08	23.74	23.63	24.4	0.0
20	QPSK	50	56	22.81	22.84	22.81		1.0
20	QPSK	100	0	22.76	22.76	22.80		
20	16QAM	1	1	22.28	22.29	22.29	23.4	1.0
20	16QAM	1	1	21.02	21.03	21.01	21.9	2.5
20	256QAM	1	1	19.02	19.00	19.02	19.9	4.5
Channel								
Frequency (MHz)								
15	PUSC BPSK	1	1	23.50	23.64	23.63	24.4	0.0
Channel								
Frequency (MHz)								
10	PUSC BPSK	1	1	23.56	23.58	23.50	24.4	0.0
Channel								
Frequency (MHz)								
5	PUSC BPSK	1	1	23.60	23.62	23.62	24.4	0.0

n7_Ant14

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 345000	Power Media Ch. Freq. 347000	Power High Ch. Freq. 349000	Turn-up time (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	PSS-BPSK	1	1	23.01	22.89	22.98		
50	PSS-BPSK	1	1	23.02	22.90	22.99	24.7	0.0
50	PSS-BPSK	1	1	23.03	22.91	22.99		
50	PSS-BPSK	1	1	23.04	22.92	22.99	24.2	0.5
50	PSS-BPSK	135	5	22.71	22.89	22.90	24.2	0.5
50	PSS-BPSK	135	46	23.15	23.22	23.20	24.7	0.0
50	PSS-BPSK	135	135	22.67	22.75	22.97	24.2	0.5
50	PSS-BPSK	210	0	22.70	22.80	22.79		
50	QPSK	1	1	22.94	22.92	22.94		
50	QPSK	1	1	22.95	22.93	22.92	24.7	0.0
50	QPSK	1	1	23.05	23.11	23.05		
50	QPSK	135	5	22.15	22.15	22.31	23.7	1.0
50	QPSK	135	46	23.15	23.20	23.32	24.7	0.0
50	QPSK	135	135	22.10	22.17	22.32	23.7	1.0
50	QPSK	210	0	22.16	22.16	22.16		
50	16QAM	1	1	21.75	21.70	21.72	23.7	1.0
50	16QAM	1	1	20.34	20.40	20.40	23.2	2.5
50	256QAM	1	1	18.97	19.04	19.07	20.2	4.5
Channel								
Frequency (MHz)								
40	PSS-BPSK	1	1	23.05	22.81	23.02	24.9	0.0
Channel								
Frequency (MHz)								
30	PSS-BPSK	1	1	23.00	22.94	22.97	24.7	0.0
Channel								
Frequency (MHz)								
20	PSS-BPSK	1	1	23.04	22.94	22.97	24.7	0.0
Channel								
Frequency (MHz)								
10	PSS-BPSK	1	1	23.04	22.94	22.97	24.7	0.0
Channel								
Frequency (MHz)								
5	PSS-BPSK	1	1	23.04	22.94	22.97	24.7	0.0
Channel								
Frequency (MHz)								
5	PSS-BPSK	1	1	23.03	22.90	22.97	24.7	0.0

n7_Ant31

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 345000	Power Media Ch. Freq. 347000	Power High Ch. Freq. 349000	Turn-up time (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	PSS-BPSK	1	1	23.28	23.08	23.13		
50	PSS-BPSK	1	1	23.27	23.02	23.10	24.4	0.0
50	PSS-BPSK	1	1	23.31	23.37	23.32		
50	PSS-BPSK	135	5	22.83	22.84	22.94	23.9	0.5
50	PSS-BPSK	135	46	23.30	23.35	23.27	24.4	0.0
50	PSS-BPSK	135	135	22.77	22.88	23.07	23.9	0.5
50	PSS-BPSK	210	0	23.20	23.30	23.24		
50	QPSK	1	1	23.29	23.04	23.11		
50	QPSK	1	1	23.27	23.32	23.30	24.4	0.0
50	QPSK	1	1	23.34	23.35	23.32		
50	QPSK	135	5	22.28	22.31	23.20	23.4	1.0
50	QPSK	135	46	23.40	23.41	23.30	24.4	0.0
50	QPSK	135	135	22.20	22.34	22.40	23.4	1.0
50	QPSK	210	0	22.22	22.31	22.30		
50	16QAM	1	1	21.84	21.79	21.79	23.4	1.0
50	16QAM	1	1	20.56	20.49	20.50	21.0	2.5
50	256QAM	1	1	19.22	19.11	19.10	19.9	4.5
Channel								
Frequency (MHz)								
40	PSS-BPSK	1	1	23.23	23.10	23.08	24.4	0.0
Channel								
Frequency (MHz)								
30	PSS-BPSK	1	1	23.31	23.04	23.10	24.4	0.0
Channel								
Frequency (MHz)								
20	PSS-BPSK	1	1	23.34	23.00	23.10	24.4	0.0
Channel								
Frequency (MHz)								
10	PSS-BPSK	1	1	23.34	23.00	23.10	24.4	0.0
Channel								
Frequency (MHz)								
5	PSS-BPSK	1	1	23.34	23.08	23.09	23.9	0.0
Channel								
Frequency (MHz)								
5	PSS-BPSK	1	1	23.21	23.11	23.10	24.4	0.0
Channel								
Frequency (MHz)								
5	PSS-BPSK	1	1	23.31	23.11	23.10	24.4	0.0

n66_Ant14

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 345000	Power Media Ch. Freq. 347000	Power High Ch. Freq. 349000	Turn-up time (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	PSS-BPSK	1	1	21.83	21.87	21.89		
40	PSS-BPSK	1	1	21.82	22.31	22.10	23.9	0.0
40	PSS-BPSK	1	1	21.85	21.79	21.85		
40	PSS-BPSK	168	5	22.07	22.21	21.89	22.8	0.5
40	PSS-BPSK	168	54	22.22	22.20	22.19	23.9	0.0
40	PSS-BPSK	168	168	22.17	22.20	22.12	22.8	0.5
40	PSS-BPSK	210	0	22.23	22.23	22.20		
40	QPSK	1	1	21.84	21.88	21.79		
40	QPSK	1	1	22.24	22.20	22.16	23.9	0.0
40	QPSK	1	1	21.85	21.82	21.85		
40	QPSK	168	5	22.10	22.22	22.10	23.9	0.0
40	QPSK	168	54	22.21	22.20	22.20	23.9	0.0
40	QPSK	168	168	22.17	22.24	22.10	23.9	0.0
40	QPSK	210	0	22.22	22.21	22.21		
40	16QAM	1	1	21.46	21.41	21.42	23.9	1.0
40	16QAM	1	1	20.81	20.90	21.01	21.0	1.5
40	256QAM	1	1	19.00	19.00	19.11	20.8	2.5
Channel								
Frequency (MHz)								
30	PSS-BPSK	1	1	21.84	21.85	21.79	23.9	0.0
Channel								
Frequency (MHz)								
25	PSS-BPSK	1	1	21.82	21.70	21.70	23.9	0.0
Channel								
Frequency (MHz)								
20	PSS-BPSK	1	1	21.81	21.86	21.87	23.9	0.0
Channel								
Frequency (MHz)								
15	PSS-BPSK	1	1	21.80	21.75	21.75	23.9	0.0
Channel								
Frequency (MHz)								
10	PSS-BPSK	1	1	21.83	21.81	21.89	23.9	0.0
Channel								
Frequency (MHz)								
5	PSS-BPSK	1	1	21.70	21.84	21.70	23.9	0.0

n66_Ant31

n66_An1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 345000	Power Media Ch. Freq. 347000	Power High Ch. Freq. 349000	Turn-up time (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	PSS-BPSK	1	1	21.84	21.87	21.87		
40	PSS-BPSK	1	1	21.84	22.44	22.44	23.9	0.0
40	PSS-BPSK	1	214	21.85	22.00	22.00		
40	PSS-BPSK	168	5	21.75	21.89	21.67	22.8	0.5
40	PSS-BPSK	168	54	22.17	22.20	22.10	23.9	0.0
40	PSS-BPSK	168	168	21.75	21.65	21.69	22.8	0.5
40	PSS-BPSK	210	0	21.85	22.00	21.77		
40	QPSK	1	1	21.85	21.84	21.85		
40	QPSK	1	1	22.41	22.20	22.36	23.9	0.0
40	QPSK	1	214	21.85	21.87	22.01		
40	QPSK	168	5	21.28	21.34	21.14	23.9	1.0
40	QPSK	168	54	22.42	22.30	22.32	23.9	0.0
40	QPSK	168	168	21.28	21.42	21.33	23.9	1.0
40	QPSK	210	0	21.46	21.40	21.40		
40	16QAM	1	1	20.61	20.89	20.64	23.9	1.0
40	16QAM	1	1	19.17	19.13	19.17	20.8	2.5
40	256QAM	1	1	17.70	17.70	17.81	19.8	4.5
Channel								
Frequency (MHz)								
30	PSS-BPSK	1	1	21.92	21.96	21.90	23.9	0.0
30	PSS-BPSK	1	1	21.88	21.90	21.91	23.9	0.0
Channel								
Frequency (MHz)								
25	PSS-BPSK	1	1	21.92	21.94	21.93	23.9	0.0
25	PSS-BPSK	1	1	21.86	22.00	21.69	23.9	0.0
Channel								
Frequency (MHz)								
20	PSS-BPSK	1	1	21.84	21.80	21.87	23.9	0.0
Channel								
Frequency (MHz)								
15	PSS-BPSK	1	1	21.84	21.80	21.87	23.9	0.0
Channel								
Frequency (MHz)								
10	PSS-BPSK	1	1	22.04	21.94	21.76	23.9	0.0
10	PSS-BPSK	1	1	21.82	21.84	21.85	23.9	0.0
Channel								
Frequency (MHz)								
5	PSS-BPSK	1	1	21.71	21.69	21.69	23.9	0.0
5	PSS-BPSK	1	1	21.71	22.04	21.76	23.9	0.0

n41_ANT 12									
BW [MHz]	Modulation	FS Start	FS Offset	Power Low Ch. [FPGA]	Power Minus Ch. [FPGA]	Power Typ. Ch. [FPGA]	Power High Ch. [FPGA]	Turn-up time [min]	MTBF [hrs]
Channel									
Frequency [MHz]									
100	P12 BPSK	1	1	22.43	22.37	22.45		24.3	0.0
100	P12 BPSK	1	1	22.12	22.12	22.12			
100	P12 BPSK	1	1	22.48	22.45	22.45			
100	P12 BPSK	1	1	22.70	22.70	22.70		23.8	0.5
100	P12 BPSK	1	1	22.10	22.10	22.10		24.3	0.0
100	P12 BPSK	1	1	22.51	22.51	22.51			
100	P12 BPSK	210	0	22.27	22.29	22.43			
100	QPSK	1	1	22.40	22.40	22.40			
100	QPSK	1	1	22.10	22.09	22.11		24.3	0.0
100	QPSK	1	1	22.40	22.39	22.40			
100	QPSK	1	1	22.40	22.39	22.40			
100	QPSK	126	0	22.40	22.39	22.40		24.3	0.0
100	QPSK	126	0	22.40	22.39	22.40			
100	QPSK	270	0	22.00	22.01	21.99		22.5	1.0
100	HQDM	1	1	21.00	21.00	21.00		22.5	1.0
100	HQDM	1	1	22.71	22.69	22.67		21.0	2.5
100	QPSK	1	1	22.52	22.52	22.52		19.8	4.5
Channel									
Frequency [MHz]									
30	P12 BPSK	1	1	22.42	22.40	22.24		24.3	0.0
Channel									
Frequency [MHz]									
60	P12 BPSK	1	1	22.50	22.52	22.23		24.3	0.0
Channel									
Frequency [MHz]									
50	P12 BPSK	1	1	22.54	22.47	22.23		24.3	0.0
Channel									
Frequency [MHz]									
30	P12 BPSK	1	1	22.40	22.40	22.22		24.3	0.0
Channel									
Frequency [MHz]									
60	P12 BPSK	1	1	22.43	22.37	22.19		24.3	0.0
Channel									
Frequency [MHz]									
30	P12 BPSK	1	1	22.43	22.37	22.28		24.3	0.0
Channel									
Frequency [MHz]									
20	P12 BPSK	1	1	22.24	22.45	22.27		24.3	0.0
Channel									
Frequency [MHz]									
10	P12 BPSK	1	1	22.50	22.48	22.42		24.3	0.0
Channel									
Frequency [MHz]									
10	P12 BPSK	1	1	22.54	22.50	22.57		24.3	0.0

n41_ANT 23									
BW [MHz]	Modulation	FS Start	FS Offset	Power Low Ch. [FPGA]	Power Minus Ch. [FPGA]	Power Typ. Ch. [FPGA]	Power High Ch. [FPGA]	Turn-up time [min]	MTBF [hrs]
Channel									
Frequency [MHz]									
100	P12 BPSK	1	1	21.46	21.30	21.43		23.2	0.0
100	P12 BPSK	1	1	21.10	21.07	21.05			
100	P12 BPSK	1	1	21.42	21.38	21.45			
100	P12 BPSK	1	1	21.10	21.11	21.07		23.2	0.5
100	P12 BPSK	126	0	20.14	20.17	20.10		23.2	0.0
100	P12 BPSK	126	0	20.09	20.01	20.12			
100	P12 BPSK	270	0	21.37	21.32	21.38			
100	QPSK	1	1	21.30	21.30	21.30			
100	QPSK	1	1	21.01	21.04	21.02		23.2	0.0
100	QPSK	1	1	21.01	21.00	21.00			
100	QPSK	126	0	21.01	21.00	21.00			
100	QPSK	126	0	21.01	21.00	21.00			
100	QPSK	270	0	21.37	21.40	21.43		23.2	0.0
100	HQDM	1	1	21.07	21.06	21.02		23.2	1.0
100	HQDM	1	1	19.50	19.77	19.60		20.7	2.5
100	QPSK	1	1	17.29	17.30	17.30		19.7	4.5
Channel									
Frequency [MHz]									
30	P12 BPSK	1	1	21.44	21.47	21.38		23.2	0.0
Channel									
Frequency [MHz]									
60	P12 BPSK	1	1	21.48	21.30	21.36		23.2	0.0
Channel									
Frequency [MHz]									
60	P12 BPSK	1	1	21.41	21.26	21.30		23.2	0.0
Channel									
Frequency [MHz]									
30	P12 BPSK	1	1	21.20	21.21	21.20		23.2	0.0
Channel									
Frequency [MHz]									
60	P12 BPSK	1	1	21.10	21.10	21.10		23.2	0.0
Channel									
Frequency [MHz]									
30	P12 BPSK	1	1	21.13	21.40	21.48		23.2	0.0
Channel									
Frequency [MHz]									
20	P12 BPSK	1	1	21.40	21.24	21.40		23.2	0.0
Channel									
Frequency [MHz]									
10	P12 BPSK	1	1	21.13	21.10	21.10		23.2	0.0
Channel									
Frequency [MHz]									
10	P12 BPSK	1	1	21.32	21.30	21.48		23.2	0.0

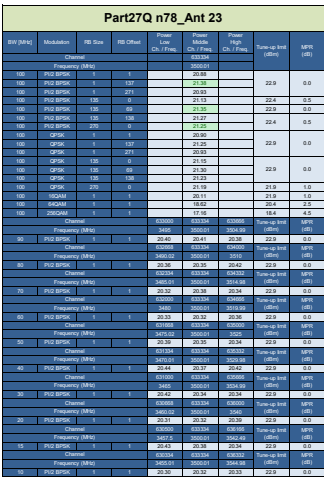
Par27Q_n77_Ant 13									
BW [MHz]	Modulation	FS Start	FS Offset	Power Low Ch. [FPGA]	Power Minus Ch. [FPGA]	Power Typ. Ch. [FPGA]	Power High Ch. [FPGA]	Turn-up time [min]	MTBF [hrs]
Channel									
Frequency [MHz]									
100	P12 BPSK	1	1	22.74				24.3	0.0
100	P12 BPSK	1	1	22.70					
100	P12 BPSK	1	1	22.70				23.8	0.5
100	P12 BPSK	1	1	22.70				24.3	0.0
100	P12 BPSK	126	0	22.50					
100	P12 BPSK	126	0	22.50				24.3	0.0
100	P12 BPSK	270	0	22.71					
100	QPSK	1	1	22.71					
100	QPSK	1	1	22.50				24.3	0.0
100	QPSK	1	1	22.71					
100	QPSK	126	0	22.71					
100	QPSK	126	0	22.71				24.3	0.0
100	QPSK	270	0	22.40				22.5	1.0
100	HQDM	1	1	22.61				22.5	1.0
100	HQDM	1	1	22.60				22.0	2.5
100	QPSK	1	1	22.21				19.8	4.5
Channel									
Frequency [MHz]									
30	P12 BPSK	1	1	22.61	22.70	22.71		24.3	0.0
Channel									
Frequency [MHz]									
60	P12 BPSK	1	1	22.60	22.71	22.70		24.3	0.0
Channel									
Frequency [MHz]									
60	P12 BPSK	1	1	22.60	22.70	22.70		24.3	0.0
Channel									
Frequency [MHz]									
30	P12 BPSK	1	1	22.71	22.60	22.70		24.3	0.0
Channel									
Frequency [MHz]									
60	P12 BPSK	1	1	22.71	22.70	22.70		24.3	0.0
Channel									
Frequency [MHz]									
30	P12 BPSK	1	1	22.68	22.70	22.70		24.3	0.0
Channel									
Frequency [MHz]									
10	P12 BPSK	1	1	22.72	22.60	22.60		24.3	0.0
Channel									
Frequency [MHz]									
10	P12 BPSK	1	1	22.77	22.70	22.74		24.3	0.0

Par27O_n77_Ant 13									
BW [MHz]	Modulation	FS Start	FS Offset	Power Low Ch. [FPGA]	Power Minus Ch. [FPGA]	Power Typ. Ch. [FPGA]	Power High Ch. [FPGA]	Turn-up time [min]	MTBF [hrs]
Channel									
100	[P27-SR16]	1	0	22.55	22.47	23.51			
100	[P27-SR16]	1	0	22.55	22.47	23.51	24.1	0.0	
100	[P27-SR16]	1	200	22.53	22.48	23.75			
100	[P27-SR16]	1	200	22.54	22.59	23.75			
100	[P27-SR16]	100	0	22.55	22.48	23.50			
100	[P27-SR16]	100	0	22.55	22.48	23.50	24.05	0.5	
100	[P27-SR16]	100	120	22.52	22.37	23.75	23.8	0.0	
100	[P27-SR16]	100	120	22.53	22.48	23.75			
100	[SR16]	1	0	22.52	22.44	23.51			
100	[SR16]	1	0	22.54	22.44	23.51	24.3	0.0	
100	[SR16]	1	200	22.50	22.70	23.88			
100	[SR16]	1	200	22.51	22.70	23.88			
100	[SR16]	100	0	22.51	22.34	23.43	24.3	0.0	
100	[SR16]	100	0	22.52	22.34	23.43			
100	[SR16]	100	120	22.50	22.31	23.22	23.3	0.0	
100	[SR16]	100	120	22.51	22.32	23.22			
100	[SR16]	100	120	22.52	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	22.53	22.32	23.22			
100	[SR16]	100	120	22.53	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	22.54	22.32	23.22			
100	[SR16]	100	120	22.54	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	22.55	22.32	23.22			
100	[SR16]	100	120	22.55	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	22.56	22.32	23.22			
100	[SR16]	100	120	22.56	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	22.57	22.32	23.22			
100	[SR16]	100	120	22.57	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	22.58	22.32	23.22			
100	[SR16]	100	120	22.58	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	22.59	22.32	23.22			
100	[SR16]	100	120	22.59	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	22.60	22.32	23.22			
100	[SR16]	100	120	22.60	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	22.61	22.32	23.22			
100	[SR16]	100	120	22.61	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	22.62	22.32	23.22			
100	[SR16]	100	120	22.62	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	22.63	22.32	23.22			
100	[SR16]	100	120	22.63	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	22.64	22.32	23.22			
100	[SR16]	100	120	22.64	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	22.65	22.32	23.22			
100	[SR16]	100	120	22.65	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	22.66	22.32	23.22			
100	[SR16]	100	120	22.66	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	22.67	22.32	23.22			
100	[SR16]	100	120	22.67	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	22.68	22.32	23.22			
100	[SR16]	100	120	22.68	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	22.69	22.32	23.22			
100	[SR16]	100	120	22.69	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	22.70	22.32	23.22			
100	[SR16]	100	120	22.70	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	22.71	22.32	23.22			
100	[SR16]	100	120	22.71	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	22.72	22.32	23.22			
100	[SR16]	100	120	22.72	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	22.73	22.32	23.22			
100	[SR16]	100	120	22.73	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	22.74	22.32	23.22			
100	[SR16]	100	120	22.74	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	22.75	22.32	23.22			
100	[SR16]	100	120	22.75	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	22.76	22.32	23.22			
100	[SR16]	100	120	22.76	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	22.77	22.32	23.22			
100	[SR16]	100	120	22.77	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	22.78	22.32	23.22			
100	[SR16]	100	120	22.78	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	22.79	22.32	23.22			
100	[SR16]	100	120	22.79	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	22.80	22.32	23.22			
100	[SR16]	100	120	22.80	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	22.81	22.32	23.22			
100	[SR16]	100	120	22.81	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	22.82	22.32	23.22			
100	[SR16]	100	120	22.82	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	22.83	22.32	23.22			
100	[SR16]	100	120	22.83	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	22.84	22.32	23.22			
100	[SR16]	100	120	22.84	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	22.85	22.32	23.22			
100	[SR16]	100	120	22.85	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	22.86	22.32	23.22			
100	[SR16]	100	120	22.86	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	22.87	22.32	23.22			
100	[SR16]	100	120	22.87	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	22.88	22.32	23.22			
100	[SR16]	100	120	22.88	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	22.89	22.32	23.22			
100	[SR16]	100	120	22.89	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	22.90	22.32	23.22			
100	[SR16]	100	120	22.90	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	22.91	22.32	23.22			
100	[SR16]	100	120	22.91	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	22.92	22.32	23.22			
100	[SR16]	100	120	22.92	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	22.93	22.32	23.22			
100	[SR16]	100	120	22.93	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	22.94	22.32	23.22			
100	[SR16]	100	120	22.94	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	22.95	22.32	23.22			
100	[SR16]	100	120	22.95	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	22.96	22.32	23.22			
100	[SR16]	100	120	22.96	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	22.97	22.32	23.22			
100	[SR16]	100	120	22.97	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	22.98	22.32	23.22			
100	[SR16]	100	120	22.98	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	22.99	22.32	23.22			
100	[SR16]	100	120	22.99	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	23.00	22.32	23.22			
100	[SR16]	100	120	23.00	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	23.01	22.32	23.22			
100	[SR16]	100	120	23.01	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	23.02	22.32	23.22			
100	[SR16]	100	120	23.02	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	23.03	22.32	23.22			
100	[SR16]	100	120	23.03	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	23.04	22.32	23.22			
100	[SR16]	100	120	23.04	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	23.05	22.32	23.22			
100	[SR16]	100	120	23.05	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	23.06	22.32	23.22			
100	[SR16]	100	120	23.06	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	23.07	22.32	23.22			
100	[SR16]	100	120	23.07	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	23.08	22.32	23.22			
100	[SR16]	100	120	23.08	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	23.09	22.32	23.22			
100	[SR16]	100	120	23.09	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	23.10	22.32	23.22			
100	[SR16]	100	120	23.10	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	23.11	22.32	23.22			
100	[SR16]	100	120	23.11	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	23.12	22.32	23.22			
100	[SR16]	100	120	23.12	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	23.13	22.32	23.22			
100	[SR16]	100	120	23.13	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	23.14	22.32	23.22			
100	[SR16]	100	120	23.14	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	23.15	22.32	23.22			
100	[SR16]	100	120	23.15	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	23.16	22.32	23.22			
100	[SR16]	100	120	23.16	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	23.17	22.32	23.22			
100	[SR16]	100	120	23.17	22.32	23.22	23.3	0.0	
100	[SR16]	100	120	23.18	22.32	23.22			
100	[SR16]	100	120	23.18	22				

Par27Q n77_Ant 23									
Env (MHz)	Mutation	RS Size	RS Offset	Power Type CL / Freq.	Power Ampl. CL / Freq.	Power Type CL / Freq.	Power Ampl. CL / Freq.	Turn-up time (min)	MPR (dB)
Channel									
Frequency (MHz)									
160	P12-BPSC	1	1	20.50	20.50	20.50			
160	P12-BPSC	1	107	21.10	21.10	21.10	22.9	0.0	
160	P12-BPSC	1	211	21.20	21.20	21.13			
160	P12-BPSC	160	0	21.20	21.14	21.10	22.4	0.5	
160	P12-BPSC	160	60	21.20	21.10	21.07	22.9	0.0	
160	P12-BPSC	160	0	21.20	21.10	21.10	22.4	0.5	
160	P12-BPSC	210	0	21.20	21.10	21.10			
160	CPSC	1	1	21.20	21.10	21.10			
160	CPSC	1	107	21.20	21.10	21.10	22.9	0.0	
160	CPSC	1	211	21.20	21.10	21.10			
160	CPSC	160	0	21.20	21.10	21.10	22.9	0.0	
160	CPSC	160	60	21.20	21.10	21.10			
160	CPSC	160	0	21.20	21.10	21.10			
160	CPSC	210	0	21.20	21.10	21.10	21.9	1.0	
160	hQAM	1	1	21.20	21.10	21.10	22.4	0.5	
160	hQAM	1	1	21.20	21.10	21.10	22.4	0.5	
Channel									
Frequency (MHz)									
50	P12-BPSC	1	1	20.12	20.12	20.12	22.9	0.0	
50	P12-BPSC	1	107	20.12	20.12	20.12			
50	P12-BPSC	1	211	20.12	20.12	20.12			
50	P12-BPSC	160	0	20.12	20.06	20.06	22.4	0.5	
50	P12-BPSC	160	60	20.12	20.06	20.06	22.9	0.0	
50	P12-BPSC	160	0	20.12	20.06	20.06	22.4	0.5	
50	P12-BPSC	210	0	20.12	20.06	20.06	22.9	0.0	
50	CPSC	1	1	20.12	20.06	20.06			
50	CPSC	1	107	20.12	20.06	20.06			
50	CPSC	1	211	20.12	20.06	20.06			
50	CPSC	160	0	20.12	20.06	20.06	22.9	0.0	
50	CPSC	160	60	20.12	20.06	20.06			
50	CPSC	160	0	20.12	20.06	20.06			
50	CPSC	210	0	20.12	20.06	20.06	21.9	1.0	
50	hQAM	1	1	20.12	20.06	20.06	22.4	0.5	
50	hQAM	1	1	20.12	20.06	20.06	22.4	0.5	
Channel									
Frequency (MHz)									
30	P12-BPSC	1	1	20.12	20.12	20.12	22.9	0.0	
30	P12-BPSC	1	107	20.12	20.12	20.12			
30	P12-BPSC	1	211	20.12	20.12	20.12			
30	P12-BPSC	160	0	20.12	20.06	20.06	22.4	0.5	
30	P12-BPSC	160	60	20.12	20.06	20.06	22.9	0.0	
30	P12-BPSC	160	0	20.12	20.06	20.06	22.4	0.5	
30	P12-BPSC	210	0	20.12	20.06	20.06	22.9	0.0	
30	CPSC	1	1	20.12	20.06	20.06			
30	CPSC	1	107	20.12	20.06	20.06			
30	CPSC	1	211	20.12	20.06	20.06			
30	CPSC	160	0	20.12	20.06	20.06	22.9	0.0	
30	CPSC	160	60	20.12	20.06	20.06			
30	CPSC	160	0	20.12	20.06	20.06			
30	CPSC	210	0	20.12	20.06	20.06	21.9	1.0	
30	hQAM	1	1	20.12	20.06	20.06	22.4	0.5	
30	hQAM	1	1	20.12	20.06	20.06	22.4	0.5	
Channel									
Frequency (MHz)									
10	P12-BPSC	1	1	20.12	20.12	20.12	22.9	0.0	
10	P12-BPSC	1	107	20.12	20.12	20.12			
10	P12-BPSC	1	211	20.12	20.12	20.12			
10	P12-BPSC	160	0	20.12	20.06	20.06	22.4	0.5	
10	P12-BPSC	160	60	20.12	20.06	20.06	22.9	0.0	
10	P12-BPSC	160	0	20.12	20.06	20.06	22.4	0.5	
10	P12-BPSC	210	0	20.12	20.06	20.06	22.9	0.0	
10	CPSC	1	1	20.12	20.06	20.06			
10	CPSC	1	107	20.12	20.06	20.06			
10	CPSC	1	211	20.12	20.06	20.06			
10	CPSC	160	0	20.12	20.06	20.06	22.9	0.0	
10	CPSC	160	60	20.12	20.06	20.06			
10	CPSC	160	0	20.12	20.06	20.06			
10	CPSC	210	0	20.12	20.06	20.06	21.9	1.0	
10	hQAM	1	1	20.12	20.06	20.06	22.4	0.5	
10	hQAM	1	1	20.12	20.06	20.06	22.4	0.5	

Par27O n77_Ant 23									
Env (MHz)	Mutation	RS Size	RS Offset	Power Type CL / Freq.	Power Ampl. CL / Freq.	Power Type CL / Freq.	Power Ampl. CL / Freq.	Turn-up time (min)	MPR (dB)
Channel									
Frequency (MHz)									
160	P12-BPSC	1	1	20.50	20.50	20.50			
160	P12-BPSC	1	107	21.10	21.10	21.10	22.9	0.0	
160	P12-BPSC	1	211	21.20	21.20	21.13			
160	P12-BPSC	160	0	21.20	21.14	21.10	22.4	0.5	
160	P12-BPSC	160	60	21.20	21.10	21.07	22.9	0.0	
160	P12-BPSC	160	0	21.20	21.10	21.10	22.4	0.5	
160	P12-BPSC	210	0	21.20	21.10	21.10			
160	CPSC	1	1	21.20	21.10	21.10			
160	CPSC	1	107	21.20	21.10	21.10	22.9	0.0	
160	CPSC	1	211	21.20	21.10	21.10			
160	CPSC	160	0	21.20	21.10	21.10	22.9	0.0	
160	CPSC	160	60	21.20	21.10	21.10			
160	CPSC	160	0	21.20	21.10	21.10			
160	CPSC	210	0	21.20	21.10	21.10	21.9	1.0	
160	hQAM	1	1	21.20	21.10	21.10	22.4	0.5	
160	hQAM	1	1	21.20	21.10	21.10	22.4	0.5	
Channel									
Frequency (MHz)									
50	P12-BPSC	1	1	20.50	20.50	20.50	22.9	0.0	
50	P12-BPSC	1	107	20.50	20.50	20.50			
50	P12-BPSC	1	211	20.50	20.50	20.50			
50	P12-BPSC	160	0	20.50	20.44	20.44	22.4	0.5	
50	P12-BPSC	160	60	20.50	20.44	20.44	22.9	0.0	
50	P12-BPSC	160	0	20.50	20.44	20.44	22.4	0.5	
50	P12-BPSC	210	0	20.50	20.44	20.44	22.9	0.0	
50	CPSC	1	1	20.50	20.44	20.44			
50	CPSC	1	107	20.50	20.44	20.44			
50	CPSC	1	211	20.50	20.44	20.44			
50	CPSC	160	0	20.50	20.44	20.44	22.9	0.0	
50	CPSC	160	60	20.50	20.44	20.44			
50	CPSC	160	0	20.50	20.44	20.44			
50	CPSC	210	0	20.50	20.44	20.44	21.9	1.0	
50	hQAM	1	1	20.50	20.44	20.44	22.4	0.5	
50	hQAM	1	1	20.50	20.44	20.44	22.4	0.5	
Channel									
Frequency (MHz)									
30	P12-BPSC	1	1	20.50	20.50	20.50	22.9	0.0	
30	P12-BPSC	1	107	20.50	20.50	20.50			
30	P12-BPSC	1	211	20.50	20.50	20.50			
30	P12-BPSC	160	0	20.50	20.44	20.44	22.4	0.5	
30	P12-BPSC	160	60	20.50	20.44	20.44	22.9	0.0	
30	P12-BPSC	160	0	20.50	20.44	20.44	22.4	0.5	
30	P12-BPSC	210	0	20.50	20.44	20.44	22.9	0.0	
30	CPSC	1	1	20.50	20.44	20.44			
30	CPSC	1	107	20.50	20.44	20.44			
30	CPSC	1	211	20.50	20.44	20.44			
30	CPSC	160	0	20.50	20.44	20.44	22.9	0.0	
30	CPSC	160	60	20.50	20.44	20.44			
30	CPSC	160	0	20.50	20.44	20.44			
30	CPSC	210	0	20.50	20.44	20.44	21.9	1.0	
30	hQAM	1	1	20.50	20.44	20.44	22.4	0.5	
30	hQAM	1	1	20.50	20.44	20.44	22.4	0.5	
Channel									
Frequency (MHz)									
10	P12-BPSC	1	1	20.50	20.50	20.50	22.9	0.0	
10	P12-BPSC	1	107	20.50	20.50	20.50			
10	P12-BPSC	1	211	20.50	20.50	20.50			
10	P12-BPSC	160	0	20.50	20.44	20.44	22.4	0.5	
10	P12-BPSC	160	60	20.50	20.44	20.44	22.9	0.0	
10	P12-BPSC	160	0	20.50	20.44	20.44	22.4	0.5	
10	P12-BPSC	210	0	20.50	20.44	20.44	22.9	0.0	
10	CPSC	1	1	20.50	20.44	20.44			
10	CPSC	1	107	20.50	20.44	20.44			
10	CPSC	1	211	20.50	20.44	20.44			
10	CPSC	160	0	20.50	20.44	20.44	22.9	0.0	
10	CPSC	160	60	20.50	20.44	20.44			
10	CPSC	160	0	20.50	20.44	20.44			
10	CPSC	210	0	20.50	20.44	20.44	21.9	1.0	
10	hQAM	1	1	20.50	20.44	20.44	22.4	0.5	
10	hQAM	1	1	20.50	20.44	20.44	22.4	0.5	

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Part27Q n78_Ant 101									
RF (MHz)	Modulation	RF Size	RF Offset	Power Low Ch. 1 (W)	Power High Ch. 1 (W)	Power Low Ch. 2 (W)	Power High Ch. 2 (W)	Turn-up time (min)	MPH (dB)
Channel									
Frequency (MHz)									
180	P12-BPSK	1	1	25.00	25.00				
180	P12-BPSK	1	137	25.14	25.14	25.0	25.0	0.0	
180	P12-BPSK	1	271	25.07	25.07	24.5	24.5	0.0	
180	P12-BPSK	1	0	25.07	25.07	25.0	25.0	0.0	
180	P12-BPSK	1	48	25.09	25.09	25.0	25.0	0.0	
180	P12-BPSK	1	136	25.05	25.05	25.0	25.0	0.0	
180	P12-BPSK	270	0	25.12	25.12	24.5	24.5	0.0	
180	QPSK	1	1	25.04	25.04				
180	QPSK	1	137	25.13	25.13	25.0	25.0	0.0	
180	QPSK	1	271	25.06	25.06				
180	QPSK	1	0	25.07	25.07				
180	QPSK	1	48	25.09	25.09	25.0	25.0	0.0	
180	QPSK	1	136	25.05	25.05				
180	QPSK	270	0	25.09	25.09	24.0	24.0	1.0	
180	WCDMA	1	1	25.04	25.04	24.0	24.0	1.0	
180	WCDMA	1	1	25.09	25.09	22.5	22.5	0.0	
180	WCDMA	1	1	25.05	25.05	25.0	25.0	0.0	
Channel									
Frequency (MHz)									
90	P12-BPSK	1	1	25.00	25.00	25.0	25.0	0.0	
90	P12-BPSK	1	137	25.14	25.14	25.0	25.0	0.0	
Channel									
Frequency (MHz)									
90	P12-BPSK	1	1	25.04	25.04	25.12	25.12	0.0	
Channel									
Frequency (MHz)									
75	P12-BPSK	1	1	25.00	25.00	25.0	25.0	0.0	
Channel									
Frequency (MHz)									
60	P12-BPSK	1	1	25.10	25.10	25.14	25.14	0.0	
Channel									
Frequency (MHz)									
45	P12-BPSK	1	1	25.10	25.10	25.14	25.14	0.0	
Channel									
Frequency (MHz)									
30	P12-BPSK	1	1	25.10	25.10	25.14	25.14	0.0	
Channel									
Frequency (MHz)									
15	P12-BPSK	1	1	25.14	25.14	25.10	25.10	0.0	
15	P12-BPSK	1	1	25.04	25.04	25.10	25.10	0.0	

Part27O n78_Ant 101									
RF (MHz)	Modulation	RF Size	RF Offset	Power Low Ch. 1 (W)	Power High Ch. 1 (W)	Power Low Ch. 2 (W)	Power High Ch. 2 (W)	Turn-up time (min)	MPH (dB)
Channel									
Frequency (MHz)									
180	P12-BPSK	1	1	25.01	25.01				
180	P12-BPSK	1	137	25.15	25.15	25.0	25.0	0.0	
180	P12-BPSK	1	271	25.08	25.08	24.5	24.5	0.0	
180	P12-BPSK	1	0	25.07	25.07	25.0	25.0	0.0	
180	P12-BPSK	1	48	25.09	25.09	25.0	25.0	0.0	
180	P12-BPSK	1	136	25.05	25.05	25.0	25.0	0.0	
180	P12-BPSK	270	0	25.12	25.12	24.5	24.5	0.0	
180	QPSK	1	1	25.04	25.04				
180	QPSK	1	137	25.15	25.15	25.0	25.0	0.0	
180	QPSK	1	271	25.07	25.07				
180	QPSK	1	0	25.07	25.07				
180	QPSK	1	48	25.09	25.09	25.0	25.0	0.0	
180	QPSK	1	136	25.05	25.05				
180	QPSK	270	0	25.09	25.09	24.0	24.0	1.0	
180	WCDMA	1	1	25.04	25.04	24.0	24.0	1.0	
180	WCDMA	1	1	25.09	25.09	22.5	22.5	0.0	
180	WCDMA	1	1	25.05	25.05	25.0	25.0	0.0	
Channel									
Frequency (MHz)									
90	P12-BPSK	1	1	25.10	25.10	25.04	25.04	0.0	
Channel									
Frequency (MHz)									
60	P12-BPSK	1	1	25.12	25.12	25.16	25.16	0.0	
Channel									
Frequency (MHz)									
75	P12-BPSK	1	1	25.16	25.16	25.11	25.11	0.0	
Channel									
Frequency (MHz)									
60	P12-BPSK	1	1	25.15	25.14	25.10	25.10	0.0	
Channel									
Frequency (MHz)									
45	P12-BPSK	1	1	25.13	25.13	25.10	25.10	0.0	
Channel									
Frequency (MHz)									
30	P12-BPSK	1	1	25.14	25.13	25.10	25.10	0.0	
Channel									
Frequency (MHz)									
30	P12-BPSK	1	1	25.16	25.14	25.10	25.10	0.0	
Channel									
Frequency (MHz)									
30	P12-BPSK	1	1	25.12	25.07	25.10	25.10	0.0	
Channel									
Frequency (MHz)									
15	P12-BPSK	1	1	25.12	25.10	25.10	25.10	0.0	
Channel									
Frequency (MHz)									
15	P12-BPSK	1	1	25.13	25.10	25.10	25.10	0.0	



DSI 2 Power

n2_Ant14									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Max Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Time-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)				18.40	18.38	18.38			
20	P12-BPSK	1	1	18.40	18.39	18.39	17.7	0.0	
Channel									
20	P12-BPSK	1	33	18.40	18.39	18.39			
Channel									
20	P12-BPSK	1	104	18.41	18.40	18.40			
Channel									
20	P12-BPSK	50	5	18.40	18.34	18.30	17.7	0.0	
Channel									
20	P12-BPSK	50	28	18.40	18.44	18.44	17.9	0.0	
Channel									
20	P12-BPSK	100	0	18.40	18.00	18.40			
Channel									
20	QPSK	1	1	18.20	18.30	18.28			
Channel									
20	QPSK	1	33	18.20	18.20	18.24	17.7	0.0	
Channel									
20	QPSK	50	5	18.41	18.37	18.37	17.9	0.0	
Channel									
20	QPSK	50	28	18.30	18.32	18.40	17.7	0.0	
Channel									
20	QPSK	50	56	18.30	18.40	18.38	17.7	0.0	
Channel									
20	QPSK	100	0	18.30	18.40	18.30			
Channel									
20	16QAM	1	1	18.10	18.10	18.08	17.9	0.0	
Channel									
20	16QAM	1	1	18.40	18.40	18.40	17.7	0.0	
Channel									
10	P12-BPSK	1	1	18.30	18.28	18.38	17.9	0.0	
Channel									
10	P12-BPSK	1	1	18.20	18.34	18.29	17.7	0.0	
Channel									
5	P12-BPSK	1	1	18.30	18.30	18.30	17.9	0.0	

n2_Ant31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F (Freq.)	Power Max Ch. F (Freq.)	Power High Ch. F (Freq.)	Time-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)				1860	1860	1860			
20	P12-BPSK	1	1	22.08	22.05	21.98	23.0	0.0	
20	P12-BPSK	1	33	22.14	22.11	22.10			
20	P12-BPSK	1	104	22.05	22.10	22.10			
20	P12-BPSK	50	5	21.99	21.49	21.91	22.5	0.5	
20	P12-BPSK	50	28	22.10	22.17	22.10	23.0	0.0	
20	P12-BPSK	50	56	21.49	21.53	21.47	22.5	0.5	
20	P12-BPSK	100	0	21.53	21.60	21.54			
20	QPSK	1	1	21.99	21.84	21.97			
20	QPSK	1	33	22.08	22.10	22.05	23.0	0.0	
20	QPSK	1	104	22.05	22.00	22.10			
20	QPSK	50	5	21.05	21.00	20.98	23.0	0.0	
20	QPSK	50	28	22.10	22.11	22.08	23.0	0.0	
20	QPSK	50	56	21.00	20.99	20.98	23.0	0.0	
20	QPSK	100	0	21.00	21.00	21.00			
20	16QAM	1	1	20.81	20.72	20.71	22.0	1.0	
20	16QAM	1	1	19.30	19.28	19.29	20.5	2.5	
20	16QAM	1	1	17.81	17.85	17.85	16.5	4.5	
Channel									
15	P12-BPSK	1	1	22.21	22.14	22.10	23.0	0.0	
Channel									
10	P12-BPSK	1	1	22.21	22.11	22.10	23.0	0.0	
Channel									
5	P12-BPSK	1	1	22.00	22.11	22.10	23.0	0.0	

n5_Ant11									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F (Freq.)	Power Max Ch. F (Freq.)	Power High Ch. F (Freq.)	Time-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)				844	845.5	844			
20	P12-BPSK	1	1	22.12	22.14	22.13	23.0	0.0	
20	P12-BPSK	1	33	22.07	22.08	22.08	23.0	0.0	
20	P12-BPSK	50	5	22.08	22.21	22.18	23.0	0.0	
20	P12-BPSK	50	28	22.28	22.30	22.30	23.0	0.0	
20	P12-BPSK	50	56	22.31	22.22	22.18	23.0	0.0	
20	P12-BPSK	100	0	22.27	22.30	22.27	23.0	0.0	
20	QPSK	1	1	22.15	22.12	22.09	23.0	0.0	
20	QPSK	1	33	22.04	22.06	22.09	23.0	0.0	
20	QPSK	50	5	22.09	22.33	22.34	23.0	0.0	
20	QPSK	50	28	22.21	22.28	22.30	23.0	0.0	
20	QPSK	50	56	22.29	22.30	22.20	23.0	0.0	
20	QPSK	100	0	22.29	22.30	22.29	23.0	0.0	
20	16QAM	1	1	21.67	21.89	21.84	23.0	0.0	
20	16QAM	1	1	21.11	21.08	21.05	20.0	1.0	
20	16QAM	1	1	19.81	19.59	19.57	19.0	3.0	
Channel									
15	P12-BPSK	1	1	22.07	22.08	22.11	23.0	0.0	
Channel									
10	P12-BPSK	1	1	22.13	22.17	22.16	23.0	0.0	
Channel									
5	P12-BPSK	1	1	22.00	22.21	22.20	23.0	0.0	

n5_Ant41									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F (Freq.)	Power Max Ch. F (Freq.)	Power High Ch. F (Freq.)	Time-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)				844	845.5	844			
20	P12-BPSK	1	1	22.08	22.07	22.08	24.4	0.0	
20	P12-BPSK	1	33	22.06	22.05	22.09			
20	P12-BPSK	1	104	22.00	22.06	22.08			
20	P12-BPSK	50	5	22.24	22.26	22.12	23.0	0.0	
20	P12-BPSK	50	28	22.11	22.10	22.08	24.4	0.0	
20	P12-BPSK	50	56	22.29	22.12	22.01	23.0	0.5	
20	P12-BPSK	100	0	22.11	22.10	22.10			
20	QPSK	1	1	22.04	22.03	22.02			
20	QPSK	1	33	22.03	22.05	22.06	24.4	0.0	
20	QPSK	50	5	22.02	22.06	22.05	23.4	1.0	
20	QPSK	50	28	22.08	22.14	22.05	24.4	0.0	
20	QPSK	50	56	22.01	22.04	22.01	23.4	1.0	
20	QPSK	100	0	22.06	22.05	22.05			
20	16QAM	1	1	22.28	22.32	22.29	23.4	1.0	
20	16QAM	1	1	21.02	21.03	21.01	21.0	2.0	
20	16QAM	1	1	19.34	19.56	19.52	19.0	4.0	
Channel									
15	P12-BPSK	1	1	22.09	22.04	22.03	24.4	0.0	
Channel									
10	P12-BPSK	1	1	22.06	22.08	22.09	24.4	0.0	
Channel									
5	P12-BPSK	1	1	22.06	22.08	22.09	24.4	0.0	



n7_Ant14

BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. Freq.	Power Margin Ch. Freq.	Power High Ch. Freq.	Time-up limit (dBm)	MFR (dB)
Channel								
Frequency (MHz)								
50	PUS2 BPSK	1	1	15.00	15.04	15.02	16.7	0.0
Channel								
Frequency (MHz)								
50	PUS2 BPSK	1	1	15.02	15.06	15.04	16.7	0.0
50	PUS2 BPSK	1	1	15.04	15.08	15.06	16.7	0.0
50	PUS2 BPSK	135	5	14.96	15.12	15.09	16.7	0.0
50	PUS2 BPSK	135	66	15.20	15.22	15.08	16.7	0.0
50	PUS2 BPSK	135	135	15.00	15.15	15.14	16.7	0.0
50	PUS2 BPSK	270	1	15.02	15.15	15.04	16.7	0.0
50	QPSK	1	1	14.96	15.02	15.02	16.7	0.0
50	QPSK	1	1	15.15	15.21	15.18	16.7	0.0
50	QPSK	135	5	15.15	15.19	15.07	16.7	0.0
50	QPSK	135	66	15.15	15.22	15.13	16.7	0.0
50	QPSK	135	135	15.08	15.19	15.04	16.7	0.0
50	QPSK	270	1	15.10	15.16	15.11	16.7	0.0
50	HEQAM	1	1	14.71	14.79	14.72	16.7	0.0
50	HEQAM	1	1	14.73	14.80	14.76	16.7	0.0
50	HEQAM	1	1	15.06	15.14	15.07	16.7	0.0
Channel								
Frequency (MHz)								
40	PUS2 BPSK	1	1	15.03	14.99	14.97	16.7	0.0
Channel								
Frequency (MHz)								
30	PUS2 BPSK	1	1	14.96	14.98	14.99	16.7	0.0
Channel								
Frequency (MHz)								
20	PUS2 BPSK	1	1	15.04	14.99	15.03	16.7	0.0
Channel								
Frequency (MHz)								
30	PUS2 BPSK	1	1	14.95	14.97	14.96	16.7	0.0
Channel								
Frequency (MHz)								
10	PUS2 BPSK	1	1	14.98	14.93	15.02	16.7	0.0
Channel								
Frequency (MHz)								
10	PUS2 BPSK	1	1	15.02	14.99	14.99	16.7	0.0
Channel								
Frequency (MHz)								
5	PUS2 BPSK	1	1	15.06	14.93	14.98	16.7	0.0

n7_Ant31

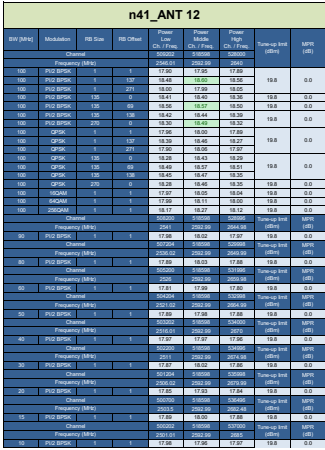
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. Freq.	Power Margin Ch. Freq.	Power High Ch. Freq.	Time-up limit (dBm)	MFR (dB)
Channel								
Frequency (MHz)								
50	PUS2 BPSK	1	1	23.28	23.08	23.13	24.4	0.0
Channel								
Frequency (MHz)								
50	PUS2 BPSK	1	121	23.28	23.42	23.35	24.4	0.0
50	PUS2 BPSK	1	243	23.31	23.37	23.35	24.4	0.0
50	PUS2 BPSK	135	5	23.03	22.84	22.94	23.9	0.5
50	PUS2 BPSK	135	66	23.30	23.25	23.27	24.4	0.0
50	PUS2 BPSK	135	135	22.77	22.88	23.07	23.9	0.5
50	PUS2 BPSK	270	1	22.83	22.82	22.84	24.4	0.0
50	QPSK	1	1	23.29	23.04	23.11	24.4	0.0
50	QPSK	1	1	23.27	23.32	23.30	24.4	0.0
50	QPSK	1	1	23.31	23.25	23.28	24.4	0.0
50	QPSK	135	5	22.28	22.31	22.30	24.4	0.0
50	QPSK	135	66	23.40	23.41	23.30	24.4	0.0
50	QPSK	135	135	22.20	22.34	22.47	24.4	0.0
50	QPSK	270	1	23.23	23.31	23.26	24.4	0.0
50	HEQAM	1	1	21.84	21.79	21.75	22.4	1.0
50	HEQAM	1	1	20.56	20.49	20.55	21.9	2.5
50	HEQAM	1	1	19.22	19.11	19.16	19.9	4.5
Channel								
Frequency (MHz)								
40	PUS2 BPSK	1	1	23.29	23.10	23.09	24.4	0.0
Channel								
Frequency (MHz)								
30	PUS2 BPSK	1	1	23.31	23.04	23.16	24.4	0.0
Channel								
Frequency (MHz)								
20	PUS2 BPSK	1	1	23.33	23.05	23.19	24.4	0.0
Channel								
Frequency (MHz)								
30	PUS2 BPSK	1	1	23.33	23.09	23.13	24.4	0.0
Channel								
Frequency (MHz)								
20	PUS2 BPSK	1	1	23.35	23.08	23.09	24.4	0.0
Channel								
Frequency (MHz)								
10	PUS2 BPSK	1	1	23.21	23.11	23.09	24.4	0.0
Channel								
Frequency (MHz)								
5	PUS2 BPSK	1	1	23.31	23.11	23.16	24.4	0.0

n66_Ant14

BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. Freq.	Power Margin Ch. Freq.	Power High Ch. Freq.	Time-up limit (dBm)	MFR (dB)
Channel								
Frequency (MHz)								
40	PUS2 BPSK	1	1	16.12	16.23	16.22	17.8	0.0
Channel								
Frequency (MHz)								
40	PUS2 BPSK	1	126	16.02	16.14	16.04	17.8	0.0
40	PUS2 BPSK	1	214	16.12	16.25	16.25	17.8	0.0
40	PUS2 BPSK	108	5	16.50	16.43	16.62	17.8	0.0
40	PUS2 BPSK	108	54	16.50	16.71	16.82	17.8	0.0
40	PUS2 BPSK	108	108	16.08	16.48	16.61	17.8	0.0
40	PUS2 BPSK	216	1	16.08	16.65	16.63	17.8	0.0
40	QPSK	1	1	16.08	16.12	16.01	17.8	0.0
40	QPSK	1	1	16.00	16.10	16.05	17.8	0.0
40	QPSK	1	214	16.21	16.32	16.21	17.8	0.0
40	QPSK	108	5	16.55	16.60	16.50	17.8	0.0
40	QPSK	108	54	16.51	16.70	16.67	17.8	0.0
40	QPSK	108	108	16.01	16.65	16.61	17.8	0.0
40	QPSK	216	1	16.08	16.65	16.64	17.8	0.0
40	HEQAM	1	1	15.81	15.94	15.89	17.8	0.0
40	HEQAM	1	1	15.83	15.96	15.86	17.8	0.0
40	HEQAM	1	1	16.44	16.55	16.45	17.8	0.0
Channel								
Frequency (MHz)								
30	PUS2 BPSK	1	1	16.07	16.19	16.19	17.8	0.0
Channel								
Frequency (MHz)								
25	PUS2 BPSK	1	1	16.10	16.25	16.07	17.8	0.0
Channel								
Frequency (MHz)								
20	PUS2 BPSK	1	1	16.10	17.43	17.40	17.8	0.0
Channel								
Frequency (MHz)								
15	PUS2 BPSK	1	1	16.10	16.25	16.12	17.8	0.0
Channel								
Frequency (MHz)								
10	PUS2 BPSK	1	1	16.16	16.24	16.09	17.8	0.0
Channel								
Frequency (MHz)								
5	PUS2 BPSK	1	1	16.15	16.24	16.16	17.8	0.0

n66_Ant31

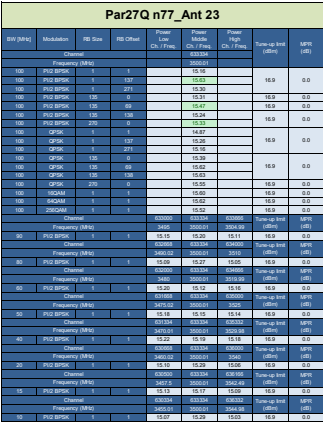
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. Freq.	Power Margin Ch. Freq.	Power High Ch. Freq.	Time-up limit (dBm)	MFR (dB)
Channel								
Frequency (MHz)								
40	PUS2 BPSK	1	1	21.84	21.87	21.87	23.3	0.0
Channel								
Frequency (MHz)								
40	PUS2 BPSK	1	106	22.44	22.46	22.41	23.3	0.0
40	PUS2 BPSK	1	214	21.89	22.00	22.00	23.3	0.0
40	PUS2 BPSK	108	5	21.75	21.89	21.87	22.8	0.5
40	PUS2 BPSK	108	54	22.37	22.50	22.30	23.3	0.0
40	PUS2 BPSK	108	108	21.75	21.95	21.86	22.8	0.5
40	PUS2 BPSK	216	1	21.81	21.93	21.77	22.8	0.5
40	QPSK	1	1	21.82	21.84	21.82	23.3	0.0
40	QPSK	1	106	22.41	22.35	22.36	23.3	0.0
40	QPSK	1	214	21.80	21.87	21.81	23.3	0.0
40	QPSK	108	5	21.28	21.34	21.15	22.3	1.0
40	QPSK	108	54	22.42	22.38	22.42	23.3	0.0
40	QPSK	108	108	21.28	21.42	21.31	22.3	1.0
40	QPSK	216	1	21.36	21.37	21.29	22.3	1.0
40	HEQAM	1	1	20.61	20.69	20.64	22.3	1.0
40	HEQAM	1	1	19.17	19.13	19.17	20.8	2.5
Channel								
Frequency (MHz)								
30	PUS2 BPSK	1	1	21.82	21.85	21.85	23.3	0.0
30	PUS2 BPSK	1	106	22.40	22.43	22.43	23.3	0.0
30	PUS2 BPSK	1	212	21.80	21.83	21.83	23.3	0.0
30	PUS2 BPSK	108	5	21.26	21.29	21.29	22.3	1.0
30	PUS2 BPSK	108	54	22.38	22.41	22.41	23.3	0.0
30	PUS2 BPSK	108	108	21.26	21.39	21.39	22.3	1.0
30	PUS2 BPSK	216	1	21.34	21.37	21.37	22.3	1.0
30	QPSK	1	1	21.82	21.84	21.82	23.3	0.0
30	QPSK	1	106	22.41	22.35	22.36	23.3	0.0
30	QPSK	1	212	21.80	21.87	21.81	23.3	0.0
30	QPSK	108	5	21.28	21.34	21.15	22.3	1.0
30	QPSK	108	54	22.42	22.38	22.42	23.3	0.0
30	QPSK	108	108	21.28	21.42	21.31	22.3	1.0
30	QPSK	216	1	21.36	21.37	21.29	22.3	1.0
30	HEQAM	1	1	20.61	20.69	20.64	22.3	1.0
30	HEQAM	1	1	19.17	19.13	19.17	20.8	2.5
Channel								
Frequency (MHz)								
25	PUS2 BPSK	1	1	21.80	21.83	21.83	23.3	0.0
25	PUS2 BPSK	1	105	22.38	22.41	22.41	23.3	0.0
25	PUS2 BPSK	1	211	21.78	21.81	21.81	23.3	0.0
25	PUS2 BPSK	108	5	21.24	21.27	21.27	22.3	1.0
25	PUS2 BPSK	108	54	22.36	22.39	22.39	23.3	0.0
25	PUS2 BPSK	108	108	21.24	21.37	21.37	22.3	1.0
25	PUS2 BPSK	216	1	21.32	21.35	21.35	22.3	1.0
25	QPSK	1	1	21.80	21.82	21.80	23.3	0.0
25	QPSK	1	105	22.39	22.41	22.39	23.3	0.0
25	QPSK	1	211	21.78	21.83	21.83	23.3	0.0
25	QPSK	108	5	21.26	21.29	21.29	22.3	1.0
25	QPSK	108	54	22.38	22.41	22.41	23.3	0.0
25	QPSK	108	108	21.26	21.39	21.39	22.3	1.0
25	QPSK	216	1	21.34	21.37	21.37	22.3	1.0
25	HEQAM	1	1	20.59	20.67	20.62	22.3	1.0
25	HEQAM	1	1	19.15	19.11	19.15	20.8	2.5
Channel								
Frequency (MHz)								
15	PUS2 BPSK	1	1	22.04	22.06	22.07	23.5	0.0
15	PUS2 BPSK	1	104	22.62	22.64	22.64	23.5	0.0
15	PUS2 BPSK	1	208	22.02	22.05	22.05	23.5	0.0
15	PUS2 BPSK	108	5	21.98	22.01	22.01	23.5	0.0
15	PUS2 BPSK	108	54	22.60	22.63	22.63	23.5	0.0
15	PUS2 BPSK	108	108	21.98	22.09	22.09	23.5	0.0
15	PUS2 BPSK	216	1	22.06	22.09	22.09	23.5	0.0
15	QPSK	1	1	22.04	22.06	22.04	23.5	0.0
15	QPSK	1	104	22.63	22.65	22.65	23.5	0.0
15	QPSK	1	208	22.00	22.03	22.03	23.5	0.0
15	QPSK	108	5	21.99	22.02	22.02	23.5	0.0
15	QPSK	108	54	22.61	22.64	22.64	23.5	0.0
15	QPSK	108	108	21.99	22.10	22.10	23.5	0.0
15	QPSK	216	1	22.07	22.10	22.10	23.5	0.0
15	HEQAM	1	1	20.57	20.65	20.60	22.3	1.0
15	HEQAM	1	1	19.13	19.09	19.13	20.8	2.5



n41_ANT 23									
Seq ID	Substrate	Ref Size	Ref Offset	1 st Peak Position	2 nd Peak Position	Peak Height	Peak Width	Peak Area	Peak Ratio
Channel									
100	PSI-2000	1	0	10.42	10.47	100.0			
100	PSI-2000	1	0	10.42	10.47	100.0			
100	PSI-2000	1	201	10.38	10.34	100.0			10.2
100	PSI-2000	1	402	10.34	10.30	100.0			10.2
100	PSI-2000	1	603	11.02	11.05	100.0			10.2
100	PSI-2000	1	804	10.34	10.37	100.0			10.2
100	PSI-2000	1	1005	10.30	10.33	100.0			10.2
100	PSI-2000	1	1206	10.34	10.34	100.0			10.2
100	PSI-2000	1	1407	11.04	11.04	100.0			10.2
100	PSI-2000	1	1608	10.32	10.33	100.0			10.2
100	PSI-2000	1	1809	10.34	10.34	100.0			10.2
100	PSI-2000	1	2010	10.36	10.37	100.0			10.2
100	PSI-2000	1	2211	10.32	10.33	100.0			10.2
100	PSI-2000	1	2412	10.34	10.34	100.0			10.2
100	PSI-2000	1	2613	10.36	10.37	100.0			10.2
100	PSI-2000	1	2814	10.32	10.32	100.0			10.2
100	PSI-2000	1	3015	10.36	10.36	100.0			10.2
100	PSI-2000	1	3216	10.32	10.32	100.0			10.2
100	PSI-2000	1	3417	10.36	10.36	100.0			10.2
100	PSI-2000	1	3618	10.32	10.32	100.0			10.2
100	PSI-2000	1	3819	10.36	10.36	100.0			10.2
100	PSI-2000	1	4020	10.32	10.32	100.0			10.2
100	PSI-2000	1	4221	10.36	10.36	100.0			10.2
100	PSI-2000	1	4422	10.32	10.32	100.0			10.2
100	PSI-2000	1	4623	10.36	10.36	100.0			10.2
100	PSI-2000	1	4824	10.32	10.32	100.0			10.2
100	PSI-2000	1	5025	10.36	10.36	100.0			10.2
100	PSI-2000	1	5226	10.32	10.32	100.0			10.2
100	PSI-2000	1	5427	10.36	10.36	100.0			10.2
100	PSI-2000	1	5628	10.32	10.32	100.0			10.2
100	PSI-2000	1	5829	10.36	10.36	100.0			10.2
100	PSI-2000	1	6030	10.32	10.32	100.0			10.2
100	PSI-2000	1	6231	10.36	10.36	100.0			10.2
100	PSI-2000	1	6432	10.32	10.32	100.0			10.2
100	PSI-2000	1	6633	10.36	10.36	100.0			10.2
100	PSI-2000	1	6834	10.32	10.32	100.0			10.2
100	PSI-2000	1	7035	10.36	10.36	100.0			10.2
100	PSI-2000	1	7236	10.32	10.32	100.0			10.2
100	PSI-2000	1	7437	10.36	10.36	100.0			10.2
100	PSI-2000	1	7638	10.32	10.32	100.0			10.2
100	PSI-2000	1	7839	10.36	10.36	100.0			10.2
100	PSI-2000	1	8040	10.32	10.32	100.0			10.2
100	PSI-2000	1	8241	10.36	10.36	100.0			10.2
100	PSI-2000	1	8442	10.32	10.32	100.0			10.2
100	PSI-2000	1	8643	10.36	10.36	100.0			10.2
100	PSI-2000	1	8844	10.32	10.32	100.0			10.2
100	PSI-2000	1	9045	10.36	10.36	100.0			10.2
100	PSI-2000	1	9246	10.32	10.32	100.0			10.2
100	PSI-2000	1	9447	10.36	10.36	100.0			10.2
100	PSI-2000	1	9648	10.32	10.32	100.0			10.2
100	PSI-2000	1	9849	10.36	10.36	100.0			10.2
100	PSI-2000	1	10050	10.32	10.32	100.0			10.2
100	PSI-2000	1	10251	10.36	10.36	100.0			10.2
100	PSI-2000	1	10452	10.32	10.32	100.0			10.2
100	PSI-2000	1	10653	10.36	10.36	100.0			10.2
100	PSI-2000	1	10854	10.32	10.32	100.0			10.2
100	PSI-2000	1	11055	10.36	10.36	100.0			10.2
100	PSI-2000	1	11256	10.32	10.32	100.0			10.2
100	PSI-2000	1	11457	10.36	10.36	100.0			10.2
100	PSI-2000	1	11658	10.32	10.32	100.0			10.2
100	PSI-2000	1	11859	10.36	10.36	100.0			10.2
100	PSI-2000	1	12060	10.32	10.32	100.0			10.2
100	PSI-2000	1	12261	10.36	10.36	100.0			10.2
100	PSI-2000	1	12462	10.32	10.32	100.0			10.2
100	PSI-2000	1	12663	10.36	10.36	100.0			10.2
100	PSI-2000	1	12864	10.32	10.32	100.0			10.2
100	PSI-2000	1	13065	10.36	10.36	100.0			10.2
100	PSI-2000	1	13266	10.32	10.32	100.0			10.2
100	PSI-2000	1	13467	10.36	10.36	100.0			10.2
100	PSI-2000	1	13668	10.32	10.32	100.0			10.2
100	PSI-2000	1	13869	10.36	10.36	100.0			10.2
100	PSI-2000	1	14070	10.32	10.32	100.0			10.2
100	PSI-2000	1	14271	10.36	10.36	100.0			10.2
100	PSI-2000	1	14472	10.32	10.32	100.0			10.2
100	PSI-2000	1	14673	10.36	10.36	100.0			10.2
100	PSI-2000	1	14874	10.32	10.32	100.0			10.2
100	PSI-2000	1	15075	10.36	10.36	100.0			10.2
100	PSI-2000	1	15276	10.32	10.32	100.0			10.2
100	PSI-2000	1	15477	10.36	10.36	100.0			10.2
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100	PSI-2000	1	15879	10.36	10.36	100.0			10.2
100	PSI-2000	1	16080	10.32	10.32	100.0			10.2
100	PSI-2000	1	16281	10.36	10.36	100.0			10.2
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100	PSI-2000	1	16884	10.32	10.32	100.0			10.2
100	PSI-2000	1	17085	10.36	10.36	100.0			10.2
100	PSI-2000	1	17286	10.32	10.32	100.0			10.2
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100	PSI-2000	1	20301	10.36	10.36	100.0			10.2
100	PSI-2000	1	20502	10.32	10.32	100.0			10.2
100	PSI-2000	1	20703	10.36	10.36	100.0			10.2
100	PSI-2000	1	20904	10.32	10.32	100.0			10.2
100	PSI-2000	1	21105	10.36	10.36	100.0			10.2
100	PSI-2000	1	21306	10.32	10.32	100.0			10.2
100	PSI-2000	1	21507	10.36	10.36	100.0			10.2
100	PSI-2000	1	21708	10.32	10.32	100.0			10.2
100	PSI-2000	1	21909	10.36	10.36	100.0			10.2
100	PSI-2000	1	22110	10.32	10.32	100.0			10.2
100	PSI-2000	1	22311	10.36	10.36	100.0			10.2
100	PSI-2000	1	22512	10.32	10.32	100.0			10.2
100	PSI-2000	1	22713	10.36	10.36	100.0			10.2
100	PSI-2000	1	22914	10.32	10.32	100.0			10.2
100	PSI-2000	1	23115	10.36	10.36	100.0			10.2
100	PSI-2000	1	23316	10.32	10.32	100.0			10.2
100	PSI-2000	1	23517	10.36	10.36	100.0			10.2
100	PSI-2000	1	23718	10.32	10.32	100.0			10.2
100	PSI-2000	1	23919	10.36	10.36	100.0			10.2
100	PSI-2000	1	24120	10.32	10.32	100.0			10.2
100	PSI-2000	1	24321	10.36	10.36	100.0			10.2
100	PSI-2000	1	24522	10.32	10.32	100.0			10.2
100	PSI-2000	1	24723	10.36	10.36	100.0			10.2
100	PSI-2000	1	24924	10.32	10.32	100.0			10.2
100	PSI-2000	1	25125	10.36	10.36	100.0			10.2
100	PSI-2000	1	25326	10.32	10.32	100.0			10.2
100	PSI-2000	1	25527	10.36	10.36	100.0			10.2
100	PSI-2000	1	25728	10.32	10.32	100.0			10.2
100	PSI-2000	1	25929	10.36	10.36	100.0			10.2
100	PSI-2000	1	26130	10.32	10.32	100.0			10.2
100	PSI-2000	1	26331	10.36	10.36	100.0			10.2
100	PSI-2000	1	26532	10.32	10.32	100.0			10.2
100	PSI-2000	1	26733	10.36	10.36	100.0			10.2
100	PSI-2000	1	26934	10.32	10.32	100.0			10.2
100	PSI-2000	1	27135	10.36	10.36	100.0			10.2
100	PSI-2000	1	27336	10.32	10.32	100.0			10.2
100	PSI-2000	1	27537	10.36	10.36	100.0			10.2
100	PSI-2000	1	27738	10.32	10.32	100.0			10.2
100	PSI-2000	1	27939	10.36	10.36	100.0			10.2
100	PSI-2000	1	28140	10.32					

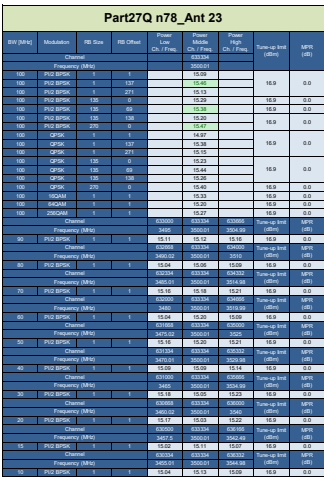
Par27Q_n77_Ant, 13									
Seq (nt)	Module(s)	Site	Res. Offset	Chrom.	Start (nt)	End (nt)	Strand	Phase (nt)	Score (bits)
Consensus				Chrom.	Start (nt)	End (nt)	Strand	Phase (nt)	Score (bits)
100	P12-SPR1	1	1	+	1517	1527	+	0	10.0
100	P12-SPR1	1	2	+	1517	1527	+	0	10.0
100	P12-SPR1	1	271	+	1548	1558	+	0	10.0
100	P12-SPR1	1	272	+	1548	1558	+	0	10.0
100	P12-SPR1	126	69	+	1512	1522	+	0	10.0
100	P12-SPR1	126	146	+	1501	1511	+	0	0.0
100	SPR1	1	1	+	1517	1527	+	0	10.0
100	SPR1	1	271	+	1548	1558	+	0	10.0
100	SPR1	126	66	+	1513	1523	+	0	0.0
100	SPR1	126	146	+	1502	1512	+	0	0.0
100	P12-SPR1	210	0	+	1538	1548	+	0	0.0
100	SPR1	210	0	+	1538	1548	+	0	0.0
100	SPR1	210	0	+	1539	1549	+	0	0.0
100	SPR1	210	0	+	1540	1550	+	0	0.0
Consensus:				+	150000	150000	+	0	10.0
90	P12-SPR1	1	1	+	1513	1523	+	0	10.0
90	P12-SPR1	1	271	+	1544	1554	+	0	10.0
90	P12-SPR1	126	66	+	1512	1522	+	0	10.0
90	P12-SPR1	126	146	+	1501	1511	+	0	0.0
90	SPR1	1	1	+	1513	1523	+	0	10.0
90	SPR1	1	271	+	1544	1554	+	0	10.0
90	SPR1	126	66	+	1512	1522	+	0	10.0
90	SPR1	126	146	+	1501	1511	+	0	0.0
90	P12-SPR1	210	0	+	1538	1548	+	0	10.0
90	SPR1	210	0	+	1538	1548	+	0	10.0
90	SPR1	210	0	+	1539	1549	+	0	10.0
90	SPR1	210	0	+	1540	1550	+	0	10.0
Consensus:				+	150000	150000	+	0	10.0
80	P12-SPR1	1	1	+	1513	1523	+	0	10.0
80	P12-SPR1	1	271	+	1544	1554	+	0	10.0
80	P12-SPR1	126	66	+	1512	1522	+	0	10.0
80	P12-SPR1	126	146	+	1501	1511	+	0	0.0
80	SPR1	1	1	+	1513	1523	+	0	10.0
80	SPR1	1	271	+	1544	1554	+	0	10.0
80	SPR1	126	66	+	1512	1522	+	0	10.0
80	SPR1	126	146	+	1501	1511	+	0	0.0
80	P12-SPR1	210	0	+	1538	1548	+	0	10.0
80	SPR1	210	0	+	1538	1548	+	0	10.0
80	SPR1	210	0	+	1539	1549	+	0	10.0
80	SPR1	210	0	+	1540	1550	+	0	10.0
Consensus:				+	150000	150000	+	0	10.0
70	P12-SPR1	1	1	+	1513	1523	+	0	10.0
70	P12-SPR1	1	271	+	1544	1554	+	0	10.0
70	P12-SPR1	126	66	+	1512	1522	+	0	10.0
70	P12-SPR1	126	146	+	1501	1511	+	0	0.0
70	SPR1	1	1	+	1513	1523	+	0	10.0
70	SPR1	1	271	+	1544	1554	+	0	10.0
70	SPR1	126	66	+	1512	1522	+	0	10.0
70	SPR1	126	146	+	1501	1511	+	0	0.0
70	P12-SPR1	210	0	+	1538	1548	+	0	10.0
70	SPR1	210	0	+	1538	1548	+	0	10.0
70	SPR1	210	0	+	1539	1549	+	0	10.0
70	SPR1	210	0	+	1540	1550	+	0	10.0
Consensus:				+	150000	150000	+	0	10.0
60	P12-SPR1	1	1	+	1513	1523	+	0	10.0
60	P12-SPR1	1	271	+	1544	1554	+	0	10.0
60	P12-SPR1	126	66	+	1512	1522	+	0	10.0
60	P12-SPR1	126	146	+	1501	1511	+	0	0.0
60	SPR1	1	1	+	1513	1523	+	0	10.0
60	SPR1	1	271	+	1544	1554	+	0	10.0
60	SPR1	126	66	+	1512	1522	+	0	10.0
60	SPR1	126	146	+	1501	1511	+	0	0.0
60	P12-SPR1	210	0	+	1538	1548	+	0	10.0
60	SPR1	210	0	+	1538	1548	+	0	10.0
60	SPR1	210	0	+	1539	1549	+	0	10.0
60	SPR1	210	0	+	1540	1550	+	0	10.0
Consensus:				+	150000	150000	+	0	10.0
50	P12-SPR1	1	1	+	1513	1523	+	0	10.0
50	P12-SPR1	1	271	+	1544	1554	+	0	10.0
50	P12-SPR1	126	66	+	1512	1522	+	0	10.0
50	P12-SPR1	126	146	+	1501	1511	+	0	0.0
50	SPR1	1	1	+	1513	1523	+	0	10.0
50	SPR1	1	271	+	1544	1554	+	0	10.0
50	SPR1	126	66	+	1512	1522	+	0	10.0
50	SPR1	126	146	+	1501	1511	+	0	0.0
50	P12-SPR1	210	0	+	1538	1548	+	0	10.0
50	SPR1	210	0	+	1538	1548	+	0	10.0
50	SPR1	210	0	+	1539	1549	+	0	10.0
50	SPR1	210	0	+	1540	1550	+	0	10.0
Consensus:				+	150000	150000	+	0	10.0
40	P12-SPR1	1	1	+	1513	1523	+	0	10.0
40	P12-SPR1	1	271	+	1544	1554	+	0	10.0
40	P12-SPR1	126	66	+	1512	1522	+	0	10.0
40	P12-SPR1	126	146	+	1501	1511	+	0	0.0
40	SPR1	1	1	+	1513	1523	+	0	10.0
40	SPR1	1	271	+	1544	1554	+	0	10.0
40	SPR1	126	66	+	1512	1522	+	0	10.0
40	SPR1	126	146	+	1501	1511	+	0	0.0
40	P12-SPR1	210	0	+	1538	1548	+	0	10.0
40	SPR1	210	0	+	1538	1548	+	0	10.0
40	SPR1	210	0	+	1539	1549	+	0	10.0
40	SPR1	210	0	+	1540	1550	+	0	10.0
Consensus:				+	150000	150000	+	0	10.0
30	P12-SPR1	1	1	+	1513	1523	+	0	10.0
30	P12-SPR1	1	271	+	1544	1554	+	0	10.0
30	P12-SPR1	126	66	+	1512	1522	+	0	10.0
30	P12-SPR1	126	146	+	1501	1511	+	0	0.0
30	SPR1	1	1	+	1513	1523	+	0	10.0
30	SPR1	1	271	+	1544	1554	+	0	10.0
30	SPR1	126	66	+	1512	1522	+	0	10.0
30	SPR1	126	146	+	1501	1511	+	0	0.0
30	P12-SPR1	210	0	+	1538	1548	+	0	10.0
30	SPR1	210	0	+	1538	1548	+	0	10.0
30	SPR1	210	0	+	1539	1549	+	0	10.0
30	SPR1	210	0	+	1540	1550	+	0	10.0
Consensus:				+	150000	150000	+	0	10.0
20	P12-SPR1	1	1	+	1513	1523	+	0	10.0
20	P12-SPR1	1	271	+	1544	1554	+	0	10.0
20	P12-SPR1	126	66	+	1512	1522	+	0	10.0
20	P12-SPR1	126	146	+	1501	1511	+	0	0.0
20	SPR1	1	1	+	1513	1523	+	0	10.0
20	SPR1	1	271	+	1544	1554	+	0	10.0
20	SPR1	126	66	+	1512	1522	+	0	10.0
20	SPR1	126	146	+	1501	1511	+	0	0.0
20	P12-SPR1	210	0	+	1538	1548	+	0	10.0
20	SPR1	210	0	+	1538	1548	+	0	10.0
20	SPR1	210	0	+	1539	1549	+	0	10.0
20	SPR1	210	0	+	1540	1550	+	0	10.0
Consensus:				+	150000	150000	+	0	10.0
10	P12-SPR1	1	1	+	1513	1523	+	0	10.0
10	P12-SPR1	1	271	+	1544	1554	+	0	10.0
10	P12-SPR1	126	66	+	1512	1522	+	0	10.0
10	P12-SPR1	126	146	+	1501	1511	+	0	0.0
10	SPR1	1	1	+	1513	1523	+	0	10.0
10	SPR1	1	271	+	1544	1554	+	0	10.0
10	SPR1	126	66	+	1512	1522	+	0	10.0
10	SPR1	126	146	+	1501	1511	+	0	0.0
10	P12-SPR1	210	0	+	1538	1548	+	0	10.0
10	SPR1	210	0	+	1538	1548	+	0	10.0
10	SPR1	210	0	+	1539	1549	+	0	10.0
10	SPR1	210	0	+	1540	1550	+	0	10.0
Consensus:				+	150000	150000	+	0	10.0

Par270 n77_Ant_13										
RF [MHz]	Modulation	RF Size	RF Offset	Channel ID	Frequency [MHz]	Power [dBm]	Power Slope [dB]	Power Age [s]	Frequency Error [Hz]	SNR [dB]
100	FDMA (FSS)	1	0	Channel	15.34	15.30	15.10			
100	FDMA (FSS)	1	0	Frequency (MHz)	15.34	15.30	15.10			16.8
100	FDMA (FSS)	1	270	Channel	15.35	15.30	15.10			
100	FDMA (FSS)	1	270	Frequency (MHz)	15.35	15.30	15.10			16.8
100	FDMA (FSS)	120	0	Channel	15.32	15.31	15.01			16.8
100	FDMA (FSS)	120	0	Frequency (MHz)	15.32	15.31	15.01			16.8
100	FDMA (FSS)	120	60	Channel	15.33	15.30	15.01			16.8
100	FDMA (FSS)	120	60	Frequency (MHz)	15.33	15.30	15.01			16.8
100	FDMA (FSS)	1	150	Channel	15.33	15.31	15.17			16.8
100	FDMA (FSS)	1	150	Frequency (MHz)	15.33	15.31	15.17			16.8
100	FDMA (FSS)	1	270	Channel	15.32	15.30	15.10			16.8
100	FDMA (FSS)	1	270	Frequency (MHz)	15.32	15.30	15.10			16.8
100	FDMA (FSS)	120	0	Channel	15.33	15.30	15.01			16.8
100	FDMA (FSS)	120	0	Frequency (MHz)	15.33	15.30	15.01			16.8
100	FDMA (FSS)	120	60	Channel	15.31	15.29	15.10			16.8
100	FDMA (FSS)	120	60	Frequency (MHz)	15.31	15.29	15.10			16.8
100	FDMA (FSS)	1	150	Channel	15.32	15.31	15.17			16.8
100	FDMA (FSS)	1	150	Frequency (MHz)	15.32	15.31	15.17			16.8
100	FDMA (FSS)	1	270	Channel	15.33	15.30	15.10			16.8
100	FDMA (FSS)	1	270	Frequency (MHz)	15.33	15.30	15.10			16.8
100	FDMA (FSS)	120	0	Channel	15.32	15.31	15.01			16.8
100	FDMA (FSS)	120	0	Frequency (MHz)	15.32	15.31	15.01			16.8
100	FDMA (FSS)	120	60	Channel	15.31	15.29	15.10			16.8
100	FDMA (FSS)	120	60	Frequency (MHz)	15.31	15.29	15.10			16.8
100	FDMA (FSS)	1	150	Channel	15.32	15.31	15.17			16.8
100	FDMA (FSS)	1	150	Frequency (MHz)	15.32	15.31	15.17			16.8
100	FDMA (FSS)	1	270	Channel	15.33	15.30	15.10			16.8
100	FDMA (FSS)	1	270	Frequency (MHz)	15.33	15.30	15.10			16.8
100	FDMA (FSS)	120	0	Channel	15.32	15.31	15.01			16.8
100	FDMA (FSS)	120	0	Frequency (MHz)	15.32	15.31	15.01			16.8
100	FDMA (FSS)	120	60	Channel	15.31	15.29	15.10			16.8
100	FDMA (FSS)	120	60	Frequency (MHz)	15.31	15.29	15.10			16.8
100	FDMA (FSS)	1	150	Channel	15.32	15.31	15.17			16.8
100	FDMA (FSS)	1	150	Frequency (MHz)	15.32	15.31	15.17			16.8
100	FDMA (FSS)	1	270	Channel	15.33	15.30	15.10			16.8
100	FDMA (FSS)	1	270	Frequency (MHz)	15.33	15.30	15.10			16.8
100	FDMA (FSS)	120	0	Channel	15.32	15.31	15.01			16.8
100	FDMA (FSS)	120	0	Frequency (MHz)	15.32	15.31	15.01			16.8
100	FDMA (FSS)	120	60	Channel	15.31	15.29	15.10			16.8
100	FDMA (FSS)	120	60	Frequency (MHz)	15.31	15.29	15.10			16.8
100	FDMA (FSS)	1	150	Channel	15.32	15.31	15.17			16.8
100	FDMA (FSS)	1	150	Frequency (MHz)	15.32	15.31	15.17			16.8
100	FDMA (FSS)	1	270	Channel	15.33	15.30	15.10			16.8
100	FDMA (FSS)	1	270	Frequency (MHz)	15.33	15.30	15.10			16.8
100	FDMA (FSS)	120	0	Channel	15.32	15.31	15.01			16.8
100	FDMA (FSS)	120	0	Frequency (MHz)	15.32	15.31	15.01			16.8
100	FDMA (FSS)	120	60	Channel	15.31	15.29	15.10			16.8
100	FDMA (FSS)	120	60	Frequency (MHz)	15.31	15.29	15.10			16.8
100	FDMA (FSS)	1	150	Channel	15.32	15.31	15.17			16.8
100	FDMA (FSS)	1	150	Frequency (MHz)	15.32	15.31	15.17			16.8
100	FDMA (FSS)	1	270	Channel	15.33	15.30	15.10			16.8
100	FDMA (FSS)	1	270	Frequency (MHz)	15.33	15.30	15.10			16.8
100	FDMA (FSS)	120	0	Channel	15.32	15.31	15.01			16.8
100	FDMA (FSS)	120	0	Frequency (MHz)	15.32	15.31	15.01			16.8
100	FDMA (FSS)	120	60	Channel	15.31	15.29	15.10			16.8
100	FDMA (FSS)	120	60	Frequency (MHz)	15.31	15.29	15.10			16.8
100	FDMA (FSS)	1	150	Channel	15.32	15.31	15.17			16.8
100	FDMA (FSS)	1	150	Frequency (MHz)	15.32	15.31	15.17			16.8
100	FDMA (FSS)	1	270	Channel	15.33	15.30	15.10			16.8
100	FDMA (FSS)	1	270	Frequency (MHz)	15.33	15.30	15.10			16.8
100	FDMA (FSS)	120	0	Channel	15.32	15.31	15.01			16.8
100	FDMA (FSS)	120	0	Frequency (MHz)	15.32	15.31	15.01			16.8
100	FDMA (FSS)	120	60	Channel	15.31	15.29	15.10			16.8
100	FDMA (FSS)	120	60	Frequency (MHz)	15.31	15.29	15.10			16.8
100	FDMA (FSS)	1	150	Channel	15.32	15.31	15.17			16.8
100	FDMA (FSS)	1	150	Frequency (MHz)	15.32	15.31	15.17			16.8
100	FDMA (FSS)	1	270	Channel	15.33	15.30	15.10			16.8
100	FDMA (FSS)	1	270	Frequency (MHz)	15.33	15.30	15.10			16.8
100	FDMA (FSS)	120	0	Channel	15.32	15.31	15.01			16.8
100	FDMA (FSS)	120	0	Frequency (MHz)	15.32	15.31	15.01			16.8
100	FDMA (FSS)	120	60	Channel	15.31	15.29	15.10			16.8
100	FDMA (FSS)	120	60	Frequency (MHz)	15.31	15.29	15.10			16.8
100	FDMA (FSS)	1	150	Channel	15.32	15.31	15.17			16.8
100	FDMA (FSS)	1	150	Frequency (MHz)	15.32	15.31	15.17			16.8
100	FDMA (FSS)	1	270	Channel	15.33	15.30	15.10			16.8
100	FDMA (FSS)	1	270	Frequency (MHz)	15.33	15.30	15.10			16.8
100	FDMA (FSS)	120	0	Channel	15.32	15.31	15.01			16.8
100	FDMA (FSS)	120	0	Frequency (MHz)	15.32	15.31	15.01			16.8
100	FDMA (FSS)	120	60	Channel	15.31	15.29	15.10			16.8
100	FDMA (FSS)	120	60	Frequency (MHz)	15.31	15.29	15.10			16.8
100	FDMA (FSS)	1	150	Channel	15.32	15.31	15.17			16.8
100	FDMA (FSS)	1	150	Frequency (MHz)	15.32	15.31	15.17			16.8
100	FDMA (FSS)	1	270	Channel	15.33	15.30	15.10			16.8
100	FDMA (FSS)	1	270	Frequency (MHz)	15.33	15.30	15.10			16.8
100	FDMA (FSS)	120	0	Channel	15.32	15.31	15.01			16.8
100	FDMA (FSS)	120	0	Frequency (MHz)	15.32	15.31	15.01			16.8
100	FDMA (FSS)	120	60	Channel	15.31	15.29	15.10			16.8
100	FDMA (FSS)	120	60	Frequency (MHz)	15.31	15.29	15.10			16.8
100	FDMA (FSS)	1	150	Channel	15.32	15.31	15.17			16.8
100	FDMA (FSS)	1	150	Frequency (MHz)	15.32	15.31	15.17			16.8
100	FDMA (FSS)	1	270	Channel	15.33	15.30	15.10			16.8
100	FDMA (FSS)	1	270	Frequency (MHz)	15.33	15.30	15.10			16.8
100	FDMA (FSS)	120	0	Channel	15.32	15.31	15.01			16.8
100	FDMA (FSS)	120	0	Frequency (MHz)	15.32	15.31	15.01			16.8
100	FDMA (FSS)	120	60	Channel	15.31	15.29	15.10			16.8
100	FDMA (FSS)	120	60	Frequency (MHz)	15.31	15.29	15.10			16.8
100	FDMA (FSS)	1	150	Channel	15.32	15.31	15.17			16.8
100	FDMA (FSS)	1	150	Frequency (MHz)	15.32	15.31	15.17			16.8
100	FDMA (FSS)	1	270	Channel	15.33	15.30	15.10			16.8
100	FDMA (FSS)	1	270	Frequency (MHz)	15.33	15.30	15.10			16.8
100	FDMA (FSS)	120	0	Channel	15.32	15.31	15.01			16.8
100	FDMA (FSS)	120	0	Frequency (MHz)	15.32	15.31	15.01			16.8
100	FDMA (FSS)	120	60	Channel	15.31	15.29	15.10			16.8
100	FDMA (FSS)	120	60	Frequency (MHz)	15.31	15.29	15.10			16.8
100	FDMA (FSS)	1	150	Channel	15.32	15.31	15.17			16.8
100	FDMA (FSS)	1	150	Frequency (MHz)	15.32	15.31	15.17			16.8
100	FDMA (FSS)	1	270	Channel	15.33	15.30	15.10			16.8
100	FDMA (FSS)	1	270	Frequency (MHz)	15.33	15.30	15.10			16.8
100	FDMA (FSS)	120	0	Channel	15.32	15.31	15.01			16.8
100	FDMA (FSS)	120	0	Frequency (MHz)	15.32	15.31	15.01			16.8
100	FDMA (FSS)	120	60	Channel	15.31	15.29	15.10			16.8
100	FDMA (FSS)	120	60	Frequency (MHz)	15.31	15.29	15.10			16.8
100	FDMA (FSS)	1	150	Channel	15.32	15.31	15.17			16.8
100	FDMA (FSS)	1	150	Frequency (MHz)	15.32	15.31	15.17			16.8
100	FDMA (FSS)	1	270	Channel	15.33	15.30	15.10			16.8
100	FDMA (FSS)	1	270	Frequency (MHz)	15.33	15.30	15.10			16.8
100	FDMA (FSS)	120	0	Channel	15.32	15.31	15.01			16.8
100	FDMA (FSS)	120	0	Frequency (MHz)	15.32	15.31	15.01			16.8
100	FDMA (FSS)	120	60	Channel	15.31	15.29	15.10			16.8
100	FDMA (FSS)	120	60	Frequency (MHz)	15.31	15.29	15.10			16.8
100	FDMA (FSS)	1	150	Channel	15.32	15.31	15.17			16.8
100	FDMA (FSS)	1	150	Frequency (MHz)	15.32	15.31	15.17			16.8
100	FDMA (FSS)	1	270	Channel	15.33	15.30	15.10			16.8
100	FDMA (FSS)	1	270	Frequency (MHz)	15.33	15.30	15.10			16.8
100	FDMA (FSS)	120	0	Channel	15.32	15.31	15.01			16.8
100	FDMA (FSS)	120	0	Frequency (MHz)	15.32	15.31	15.01			16.8
100	FDMA (FSS)	120	60	Channel	15.31	15.29	15.10			16.8
100	FDMA (FSS)	120	60	Frequency (MHz)	15.31	15.29	15.10			16.8
100	FDMA (FSS)	1	150	Channel	15.32	15.31	15.17			16.8
100	FDMA (FSS)	1	150	Frequency (MHz)	15.32	15.31	15.17			16.8
100	FDMA (FSS)	1	270	Channel	15.33	15.30	15.10			16.8
100	FDMA (FSS)	1	270	Frequency (MHz)	15.33	15.30	15.10			16.8
100	FDMA (FSS)	120	0	Channel	15.32	15.31	15.01			16.8
100	FDMA (FSS)	120	0	Frequency (MHz)	15.32	15.31	15.01			16.8
100	FDMA (FSS)	120	60	Channel	15.31	15.29	15.10			16.8
100	FDMA (FSS)	120	60	Frequency (MHz)	15.31	15.29	15.10			16.8

[illegible]

Part27Q n78_Ant 13									
SP4 (MHz)	Modulation	File Name	File Offset	File Type	File Size	File Date	File Page	Starting time	MP3 Info
				File Type	File Size	File Date	File Page		
				File Type	File Size	File Date	File Page		
100	PIC 800000	128	0	1	15.46				
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0
Fragmented (Info)				000000	15.46	2008-08-08	1		
100	PIC 800000	128	0	1	15.46			17.0	0.0

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[illegible]



DSI 3 Power

n2_Ant14									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Power up limit (dBm)	MPE (dB)	
Channel									
Frequency (MHz)									
20	PUSC-BPSK	1	1	15.25	15.26	15.27			
20	PUSC-BPSK	1	53	15.35	15.40	15.33	16.7	0.0	
20	PUSC-BPSK	1	104	15.32	15.32	15.23			
20	PUSC-BPSK	50	0	15.25	15.26	15.23	16.7	0.0	
20	PUSC-BPSK	50	26	15.35	15.36	15.23	16.7	0.0	
20	PUSC-BPSK	50	56	15.21	15.23	15.16	16.7	0.0	
20	PUSC-BPSK	100	0	15.24	15.22	15.12	16.7	0.0	
20	QPSK	1	1	15.12	15.27	15.27			
20	QPSK	1	53	15.25	15.40	15.30	16.7	0.0	
20	QPSK	1	104	15.26	15.34	15.26			
20	QPSK	50	0	15.27	15.29	15.26	16.7	0.0	
20	QPSK	50	26	15.28	15.39	15.36	16.7	0.0	
20	QPSK	50	56	15.20	15.21	15.17	16.7	0.0	
20	QPSK	100	0	15.20	15.24	15.26	16.7	0.0	
20	TDMA	1	1	14.85	14.99	14.88	18.0	0.0	
20	TDMA	1	1	14.85	15.08	15.05	18.7	0.0	
20	TDMA	1	1	15.10	15.36	15.30	18.0	0.0	
Channel									
Frequency (MHz)									
15	PUSC-BPSK	1	1	15.13	15.13	15.06	16.7	0.0	
Channel									
Frequency (MHz)									
10	PUSC-BPSK	1	1	15.10	15.21	15.20	16.7	0.0	
Channel									
Frequency (MHz)									
5	PUSC-BPSK	1	1	15.16	15.14	15.25	16.7	0.0	

n2_Ant31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Power up limit (dBm)	MPE (dB)	
Channel									
Frequency (MHz)									
20	PUSC-BPSK	1	1	22.08	22.09	22.16			
20	PUSC-BPSK	1	53	22.14	22.21	22.13	23.0	0.0	
20	PUSC-BPSK	1	104	22.05	22.10	22.13			
20	PUSC-BPSK	50	0	21.10	21.48	21.10	22.5	0.5	
20	PUSC-BPSK	50	26	22.16	22.17	22.12	23.0	0.0	
20	PUSC-BPSK	50	56	21.02	21.53	21.45	22.5	0.5	
20	PUSC-BPSK	100	0	21.03	21.02	21.04	22.5	0.5	
20	QPSK	1	1	21.09	21.04	21.07			
20	QPSK	1	53	22.05	22.10	22.05	23.0	0.0	
20	QPSK	1	104	22.05	22.00	22.12			
20	QPSK	50	0	21.05	21.00	21.05	23.0	0.0	
20	QPSK	50	26	22.10	22.01	22.08	23.0	0.0	
20	QPSK	50	56	21.13	21.00	21.00	23.0	0.0	
20	QPSK	100	0	21.07	21.02	21.05	23.0	0.0	
20	TDMA	1	1	20.81	20.75	20.71	22.0	1.0	
20	TDMA	1	1	19.50	19.26	19.26	20.5	2.5	
20	TDMA	1	1	17.01	17.83	17.85	18.5	4.5	
Channel									
Frequency (MHz)									
15	PUSC-BPSK	1	1	22.21	22.14	22.20	22.0	0.0	
Channel									
Frequency (MHz)									
10	PUSC-BPSK	1	1	22.21	22.11	22.10	23.0	0.0	
Channel									
Frequency (MHz)									
5	PUSC-BPSK	1	1	22.05	22.11	22.13	23.0	0.0	

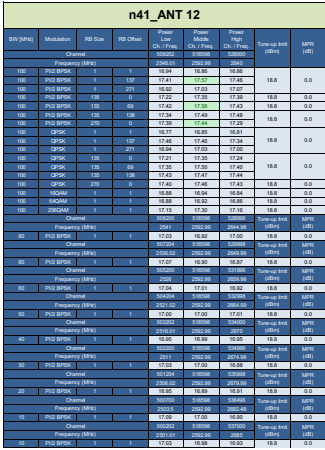
n5_Ant11									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Power up limit (dBm)	MPE (dB)	
Channel									
Frequency (MHz)									
20	PUSC-BPSK	1	1	21.24	21.26	21.26			
20	PUSC-BPSK	1	53	21.09	21.06	21.09	22.2	0.0	
20	PUSC-BPSK	1	104	21.44	21.43	21.21			
20	PUSC-BPSK	50	0	21.12	21.05	21.42	22.2	0.0	
20	PUSC-BPSK	50	26	21.40	21.41	21.33	22.2	0.0	
20	PUSC-BPSK	50	56	21.08	21.47	21.39	22.2	0.0	
20	PUSC-BPSK	100	0	21.02	21.04	21.49	22.2	0.0	
20	QPSK	1	1	21.05	21.24	21.16			
20	QPSK	1	53	21.40	21.43	21.41	22.2	0.0	
20	QPSK	1	104	21.37	21.32	21.32			
20	QPSK	50	0	21.44	21.48	21.39	22.2	0.0	
20	QPSK	50	26	21.40	21.44	21.34	22.2	0.0	
20	QPSK	50	56	21.09	21.00	21.41	22.2	0.0	
20	QPSK	100	0	21.02	21.20	21.50	22.2	0.0	
20	TDMA	1	1	21.09	21.04	21.01	22.2	0.0	
20	TDMA	1	1	21.07	21.13	21.05	22.2	0.0	
20	TDMA	1	1	19.58	19.64	19.57	20.2	2.0	
Channel									
Frequency (MHz)									
15	PUSC-BPSK	1	1	21.29	21.29	21.42	22.2	0.0	
Channel									
Frequency (MHz)									
10	PUSC-BPSK	1	1	21.22	21.29	21.36	22.2	0.0	
Channel									
Frequency (MHz)									
5	PUSC-BPSK	1	1	21.24	21.33	21.38	22.2	0.0	

n5_Ant41									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Power up limit (dBm)	MPE (dB)	
Channel									
Frequency (MHz)									
20	PUSC-BPSK	1	1	23.06	23.07	23.09			
20	PUSC-BPSK	1	53	23.08	23.05	23.09	24.4	0.0	
20	PUSC-BPSK	1	104	23.00	23.06	23.08			
20	PUSC-BPSK	50	0	23.24	23.29	23.12	23.9	0.5	
20	PUSC-BPSK	50	26	23.71	23.74	23.65	24.4	0.0	
20	PUSC-BPSK	50	56	23.26	23.12	23.01	23.9	0.5	
20	PUSC-BPSK	100	0	23.31	23.33	23.29			
20	QPSK	1	1	23.04	23.03	23.02			
20	QPSK	1	53	23.03	23.05	23.05	24.4	0.0	
20	QPSK	1	104	23.06	23.03	23.07			
20	QPSK	50	0	23.02	22.76	22.85	23.4	1.0	
20	QPSK	50	26	23.09	23.74	23.65	24.4	0.0	
20	QPSK	50	56	22.81	23.64	22.91	23.4	1.0	
20	QPSK	100	0	22.75	22.72	22.63			
20	TDMA	1	1	22.28	22.32	22.29	23.4	1.0	
20	TDMA	1	1	21.62	21.60	21.67	21.8	2.5	
20	TDMA	1	1	19.52	19.58	19.52	19.8	4.5	
Channel									
Frequency (MHz)									
15	PUSC-BPSK	1	1	23.10	23.13	23.13	23.4	0.0	
Channel									
Frequency (MHz)									
10	PUSC-BPSK	1	1	23.06	23.06	23.06	23.4	0.0	
Channel									
Frequency (MHz)									
5	PUSC-BPSK	1	1	23.05	23.05	23.05	24.4	0.0	

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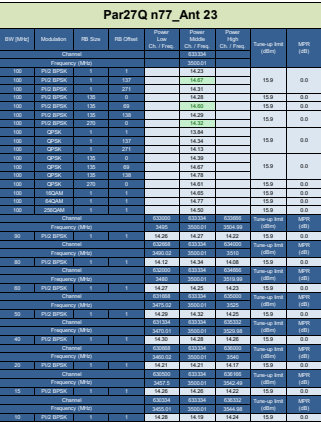
n66_Ant14									
Bit (Hz)	Modulation	Channel Size	Bit Offset	Time Unit 340000	Time Unit 340000	Power dBm	Power dBm	Power dBm	Power dBm
40	[PSK BPSK]	1000	0	10.11	10.11	13.23	13.23	13.23	13.23
40	[PSK BPSK]	1	100	10.03	10.03	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1	200	10.03	10.03	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1000	0	10.02	10.02	13.02	13.02	13.02	13.02
40	[PSK BPSK]	1	100	10.03	10.03	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1	200	10.03	10.03	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1000	100	10.03	10.03	13.02	13.02	13.02	13.02
40	[PSK BPSK]	1	200	10.03	10.03	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1	300	10.11	10.11	10.04	10.04	10.04	10.04
40	[PSK BPSK]	1	100	10.08	10.08	10.73	10.73	10.73	10.73
40	[PSK BPSK]	1	200	10.08	10.08	10.73	10.73	10.73	10.73
40	[PSK BPSK]	1000	0	10.08	10.08	13.02	13.02	13.02	13.02
40	[PSK BPSK]	1	100	10.08	10.08	10.73	10.73	10.73	10.73
40	[PSK BPSK]	1	200	10.08	10.08	10.73	10.73	10.73	10.73
40	[PSK BPSK]	1000	100	10.08	10.08	13.02	13.02	13.02	13.02
40	[PSK BPSK]	1	200	10.08	10.08	10.73	10.73	10.73	10.73
40	[PSK BPSK]	1	300	10.11	10.11	10.04	10.04	10.04	10.04
40	[PSK BPSK]	1	100	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1	200	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1000	0	10.02	10.02	13.02	13.02	13.02	13.02
40	[PSK BPSK]	1	100	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1	200	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1000	100	10.02	10.02	13.02	13.02	13.02	13.02
40	[PSK BPSK]	1	200	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1	300	10.11	10.11	10.04	10.04	10.04	10.04
40	[PSK BPSK]	1	100	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1	200	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1000	0	10.02	10.02	13.02	13.02	13.02	13.02
40	[PSK BPSK]	1	100	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1	200	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1000	100	10.02	10.02	13.02	13.02	13.02	13.02
40	[PSK BPSK]	1	200	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1	300	10.11	10.11	10.04	10.04	10.04	10.04
40	[PSK BPSK]	1	100	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1	200	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1000	0	10.02	10.02	13.02	13.02	13.02	13.02
40	[PSK BPSK]	1	100	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1	200	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1000	100	10.02	10.02	13.02	13.02	13.02	13.02
40	[PSK BPSK]	1	200	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1	300	10.11	10.11	10.04	10.04	10.04	10.04
40	[PSK BPSK]	1	100	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1	200	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1000	0	10.02	10.02	13.02	13.02	13.02	13.02
40	[PSK BPSK]	1	100	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1	200	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1000	100	10.02	10.02	13.02	13.02	13.02	13.02
40	[PSK BPSK]	1	200	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1	300	10.11	10.11	10.04	10.04	10.04	10.04
40	[PSK BPSK]	1	100	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1	200	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1000	0	10.02	10.02	13.02	13.02	13.02	13.02
40	[PSK BPSK]	1	100	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1	200	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1000	100	10.02	10.02	13.02	13.02	13.02	13.02
40	[PSK BPSK]	1	200	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1	300	10.11	10.11	10.04	10.04	10.04	10.04
40	[PSK BPSK]	1	100	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1	200	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1000	0	10.02	10.02	13.02	13.02	13.02	13.02
40	[PSK BPSK]	1	100	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1	200	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1000	100	10.02	10.02	13.02	13.02	13.02	13.02
40	[PSK BPSK]	1	200	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1	300	10.11	10.11	10.04	10.04	10.04	10.04
40	[PSK BPSK]	1	100	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1	200	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1000	0	10.02	10.02	13.02	13.02	13.02	13.02
40	[PSK BPSK]	1	100	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1	200	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1000	100	10.02	10.02	13.02	13.02	13.02	13.02
40	[PSK BPSK]	1	200	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1	300	10.11	10.11	10.04	10.04	10.04	10.04
40	[PSK BPSK]	1	100	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1	200	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1000	0	10.02	10.02	13.02	13.02	13.02	13.02
40	[PSK BPSK]	1	100	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1	200	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1000	100	10.02	10.02	13.02	13.02	13.02	13.02
40	[PSK BPSK]	1	200	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1	300	10.11	10.11	10.04	10.04	10.04	10.04
40	[PSK BPSK]	1	100	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1	200	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1000	0	10.02	10.02	13.02	13.02	13.02	13.02
40	[PSK BPSK]	1	100	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1	200	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1000	100	10.02	10.02	13.02	13.02	13.02	13.02
40	[PSK BPSK]	1	200	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1	300	10.11	10.11	10.04	10.04	10.04	10.04
40	[PSK BPSK]	1	100	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1	200	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1000	0	10.02	10.02	13.02	13.02	13.02	13.02
40	[PSK BPSK]	1	100	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1	200	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1000	100	10.02	10.02	13.02	13.02	13.02	13.02
40	[PSK BPSK]	1	200	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1	300	10.11	10.11	10.04	10.04	10.04	10.04
40	[PSK BPSK]	1	100	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1	200	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1000	0	10.02	10.02	13.02	13.02	13.02	13.02
40	[PSK BPSK]	1	100	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1	200	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1000	100	10.02	10.02	13.02	13.02	13.02	13.02
40	[PSK BPSK]	1	200	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1	300	10.11	10.11	10.04	10.04	10.04	10.04
40	[PSK BPSK]	1	100	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1	200	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1000	0	10.02	10.02	13.02	13.02	13.02	13.02
40	[PSK BPSK]	1	100	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1	200	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1000	100	10.02	10.02	13.02	13.02	13.02	13.02
40	[PSK BPSK]	1	200	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1	300	10.11	10.11	10.04	10.04	10.04	10.04
40	[PSK BPSK]	1	100	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1	200	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1000	0	10.02	10.02	13.02	13.02	13.02	13.02
40	[PSK BPSK]	1	100	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1	200	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1000	100	10.02	10.02	13.02	13.02	13.02	13.02
40	[PSK BPSK]	1	200	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1	300	10.11	10.11	10.04	10.04	10.04	10.04
40	[PSK BPSK]	1	100	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1	200	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1000	0	10.02	10.02	13.02	13.02	13.02	13.02
40	[PSK BPSK]	1	100	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1	200	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1000	100	10.02	10.02	13.02	13.02	13.02	13.02
40	[PSK BPSK]	1	200	10.02	10.02	10.88	10.88	10.88	10.88
40	[PSK BPSK]	1	300						

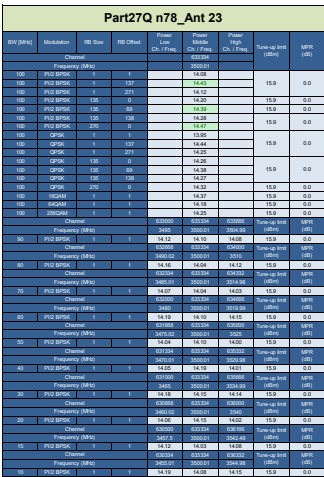
n66_Ant31										
RF MHz	Modulation	Channel	Site	RF Offset	Frequency (MHz)	Power (dBm)	Max Rate (Mbps)	Ch Type	Power up (dBm)	SNR (dB)
40	Frequency Channel 1				21.84	22.81	18.87			
	40	100	22.44	22.44	22.41	23.1	0.0			
	40	100	22.44	22.44	22.41	23.1	0.0			
	40	100	21.75	21.87	21.87	22.6	0.0			
	40	100	21.75	21.87	21.87	22.6	0.0			
	Frequency Channel 2				21.75	21.87	21.87	22.6	0.0	
	40	100	21.75	21.87	21.87	22.6	0.0			
	40	100	21.75	21.87	21.87	22.6	0.0			
	40	100	21.75	21.87	21.87	22.6	0.0			
	40	100	21.75	21.87	21.87	22.6	0.0			
40	Frequency Channel 3				21.88	21.84	18.85			
	40	100	22.41	22.50	22.50	23.0	0.0			
	40	100	22.41	22.50	22.50	23.0	0.0			
	40	100	21.28	21.24	21.16	22.3	0.0			
	40	100	21.28	21.24	21.16	22.3	0.0			
	Frequency Channel 4				21.28	21.24	21.16	22.3	0.0	
	40	100	21.28	21.24	21.16	22.3	0.0			
	40	100	21.28	21.24	21.16	22.3	0.0			
	40	100	21.28	21.24	21.16	22.3	0.0			
	40	100	21.28	21.24	21.16	22.3	0.0			
40	Frequency Channel 5				20.81	20.89	20.84	23.1	0.0	
	40	100	20.81	20.89	20.84	23.1	0.0			
	40	100	20.81	20.89	20.84	23.1	0.0			
	40	100	20.81	20.89	20.84	23.1	0.0			
	40	100	20.81	20.89	20.84	23.1	0.0			
	Frequency Channel 6				20.81	20.89	20.84	23.1	0.0	
	40	100	20.81	20.89	20.84	23.1	0.0			
	40	100	20.81	20.89	20.84	23.1	0.0			
	40	100	20.81	20.89	20.84	23.1	0.0			
	40	100	20.81	20.89	20.84	23.1	0.0			
50	Frequency Channel 7				21.88	20.90	21.51	23.3	0.0	
	50	100	21.88	21.85	21.85	23.3	0.0			
	50	100	21.88	21.85	21.85	23.3	0.0			
	50	100	21.88	21.85	21.85	23.3	0.0			
	50	100	21.88	21.85	21.85	23.3	0.0			
	Frequency Channel 8				21.88	21.85	21.85	23.3	0.0	
50	Frequency Channel 9				21.84	21.89	21.87	23.3	0.0	
	50	100	21.84	21.89	21.89	23.3	0.0			
	50	100	21.84	21.89	21.89	23.3	0.0			
	50	100	21.84	21.89	21.89	23.3	0.0			
	50	100	21.84	21.89	21.89	23.3	0.0			
	Frequency Channel 10				21.84	21.89	21.89	23.3	0.0	
15	Frequency Channel 11				22.04	21.95	22.07	23.3	0.0	
	15	100	22.04	22.04	22.04	23.3	0.0			
	15	100	22.04	22.04	22.04	23.3	0.0			
	15	100	22.04	22.04	22.04	23.3	0.0			
	15	100	22.04	22.04	22.04	23.3	0.0			
	Frequency Channel 12				22.04	22.04	22.04	23.3	0.0	
5	Frequency Channel 13				21.75	21.84	21.75	23.3	0.0	
	5	100	21.75	21.75	21.75	23.3	0.0			
	5	100	21.75	21.75	21.75	23.3	0.0			
	5	100	21.75	21.75	21.75	23.3	0.0			
	5	100	21.75	21.75	21.75	23.3	0.0			
	Frequency Channel 14				21.75	21.75	21.75	23.3	0.0	

[illegible]

Par27Q n77_Ant, 13										
Seq (nt)	Substrate	Site	Flt	Obs	Therm. Co. (°C)	Therm. Co. (°C)	Therm. Co. (°C)	Fluor. Age (yr)	Fluor. Age (yr)	MFR (ppb)
Chemical										
Par27Q n77_Ant, 13										
100	FLU-27Q n77_Ant, 13	1	1		14.45					
100	FLU-27Q n77_Ant, 13	2	1		15.11					
100	FLU-27Q n77_Ant, 13	3	271		14.48				15.6	0.1
100	FLU-27Q n77_Ant, 13	4	1		15.11				15.6	0.1
100	FLU-27Q n77_Ant, 13	5	69		15.11				15.6	0.1
100	FLU-27Q n77_Ant, 13	6	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	7	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	8	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	9	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	10	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	11	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	12	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	13	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	14	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	15	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	16	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	17	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	18	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	19	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	20	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	21	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	22	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	23	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	24	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	25	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	26	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	27	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	28	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	29	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	30	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	31	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	32	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	33	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	34	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	35	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	36	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	37	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	38	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	39	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	40	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	41	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	42	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	43	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	44	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	45	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	46	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	47	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	48	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	49	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	50	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	51	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	52	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	53	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	54	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	55	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	56	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	57	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	58	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	59	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	60	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	61	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	62	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	63	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	64	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	65	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	66	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	67	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	68	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	69	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	70	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	71	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	72	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	73	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	74	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	75	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	76	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	77	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	78	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	79	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	80	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	81	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	82	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	83	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	84	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	85	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	86	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	87	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	88	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	89	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	90	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	91	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	92	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	93	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	94	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	95	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	96	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	97	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	98	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	99	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	100	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	101	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	102	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	103	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	104	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	105	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	106	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	107	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	108	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	109	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	110	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	111	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	112	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	113	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	114	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	115	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	116	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	117	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	118	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	119	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	120	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	121	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	122	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	123	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	124	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	125	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	126	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	127	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	128	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	129	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	130	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	131	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	132	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	133	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	134	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	135	148		15.01				15.6	0.1
100	FLU-27Q n77_Ant, 13	136	148		1					

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Part27Q n78_Ant 24									
SW (MHz)	Modulation	Channel	RF Offset	15 dBm	Power Spectrum Density [dBm/Hz]	Power Spectrum Density [dBm/Hz]	Reference Signal [dBm]	SNR [dB]	
100	PSK (BPSK)	100	0	17.31	-	-	-	-	
100	PSK (BPSK)	100	0	17.31	-	-	19.2	0.0	
100	PSK (BPSK)	100	0	17.23	-	-	-	-	
100	PSK (BPSK)	100	0	17.15	-	-	19.2	0.0	
100	PSK (BPSK)	100	0	17.07	-	-	19.2	0.0	
100	QPSK	100	0	17.22	-	-	-	-	
100	QPSK	100	0	17.14	-	-	19.2	0.0	
100	QPSK	100	0	17.06	-	-	-	-	
100	QPSK	100	0	17.22	-	-	19.2	0.0	
100	QPSK	100	0	17.14	-	-	-	-	
100	QPSK	100	0	17.06	-	-	19.2	0.0	
100	QPSK	100	0	17.22	-	-	-	-	
100	QPSK	100	0	17.14	-	-	19.2	0.0	
100	QPSK	100	0	17.06	-	-	-	-	
100	QPSK	100	0	17.22	-	-	19.2	0.0	
100	QPSK	100	0	17.14	-	-	-	-	
100	QPSK	100	0	17.06	-	-	19.2	0.0	
100	QPSK	100	0	17.22	-	-	-	-	
100	QPSK	100	0	17.14	-	-	19.2	0.0	
100	QPSK	100	0	17.06	-	-	-	-	
100	QPSK	100	0	17.22	-	-	19.2	0.0	
100	QPSK	100	0	17.14	-	-	-	-	
100	QPSK	100	0	17.06	-	-	19.2	0.0	
100	QPSK	100	0	17.22	-	-	-	-	
100	QPSK	100	0	17.14	-	-	19.2	0.0	
100	QPSK	100	0	17.06	-	-	-	-	
100	QPSK	100	0	17.22	-	-	19.2	0.0	
100	QPSK	100	0	17.14	-	-	-	-	
100	QPSK	100	0	17.06	-	-	19.2	0.0	
100	QPSK	100	0	17.22	-	-	-	-	
100	QPSK	100	0	17.14	-	-	19.2	0.0	
100	QPSK	100	0	17.06	-	-	-	-	
100	QPSK	100	0	17.22	-	-	19.2	0.0	
100	QPSK	100	0	17.14	-	-	-	-	
100	QPSK	100	0	17.06	-	-	19.2	0.0	
100	QPSK	100	0	17.22	-	-	-	-	
100	QPSK	100	0	17.14	-	-	19.2	0.0	
100	QPSK	100	0	17.06	-	-	-	-	
100	QPSK	100	0	17.22	-	-	19.2	0.0	
100	QPSK	100	0	17.14	-	-	-	-	
100	QPSK	100	0	17.06	-	-	19.2	0.0	
100	QPSK	100	0	17.22	-	-	-	-	
100	QPSK	100	0	17.14	-	-	19.2	0.0	
100	QPSK	100	0	17.06	-	-	-	-	
100	QPSK	100	0	17.22	-	-	19.2	0.0	
100	QPSK	100	0	17.14	-	-	-	-	
100	QPSK	100	0	17.06	-	-	19.2	0.0	
100	QPSK	100	0	17.22	-	-	-	-	
100	QPSK	100	0	17.14	-	-	19.2	0.0	
100	QPSK								

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DSI 4 Power

n2_Ant14

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Power 182000	Power Main Ch. 1 Power 315000	Power High Ch. 1 Power 380000	Tune-up time (min)	MPR (dB)
Channel								
Frequency (MHz)								
20	PSSB-SK	1	1	19.35	19.35	19.35		
20	PSSB-SK	1	53	19.43	19.45	19.34	20.7	0.0
20	PSSB-SK	1	545	19.25	19.25	19.14		
20	PSSB-SK	50	0	19.25	19.28	19.27	20.7	0.0
20	PSSB-SK	50	26	19.35	19.37	19.37	20.7	0.0
20	PSSB-SK	50	56	19.17	19.25	19.18	20.7	0.0
20	PSSB-SK	100	0	19.27	19.30	19.29		
20	QPSK	1	1	19.15	19.25	19.15		
20	QPSK	1	53	19.41	19.43	19.36	20.7	0.0
20	QPSK	1	545	19.27	19.27	19.26		
20	QPSK	50	0	19.27	19.31	19.25	20.7	0.0
20	QPSK	50	26	19.35	19.36	19.37	20.7	0.0
20	QPSK	50	56	19.21	19.28	19.24	20.7	0.0
20	QPSK	100	0	19.26	19.29	19.28		
20	MSKAM	1	1	18.85	19.35	18.85	20.7	0.0
20	MSKAM	1	1	18.84	19.32	18.83	20.7	0.0
20	MSKAM	1	1	17.65	17.65	17.64	18.1	0.0
Channel								
Frequency (MHz)								
15	PSSB-SK	1	1	19.15	19.35	19.35	20.7	0.0
Channel								
Frequency (MHz)								
10	PSSB-SK	1	1	19.14	19.32	19.18	20.7	0.0
Channel								
Frequency (MHz)								
5	PSSB-SK	1	1	19.11	19.13	19.14	20.7	0.0

n2_Ant31

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Power 315000	Power Main Ch. 1 Power 315000	Power High Ch. 1 Power 380000	Tune-up time (min)	MPR (dB)
Channel								
Frequency (MHz)								
20	PSSB-SK	1	1	19.01	19.03	19.03		
20	PSSB-SK	1	53	19.04	19.15	19.12	20.0	0.0
20	PSSB-SK	1	154	18.92	19.02	18.98		
20	PSSB-SK	50	0	18.95	19.06	18.98	20.0	0.0
20	PSSB-SK	50	26	19.03	19.07	19.05	20.0	0.0
20	PSSB-SK	50	56	18.97	19.08	18.97	20.0	0.0
20	PSSB-SK	100	0	18.99	19.02	18.99		
20	QPSK	1	1	18.95	19.06	18.97		
20	QPSK	1	53	19.08	19.12	19.01	20.0	0.0
20	QPSK	1	154	18.97	19.06	18.98		
20	QPSK	50	0	18.99	19.06	18.91	20.0	0.0
20	QPSK	50	26	19.06	19.06	19.05	20.0	0.0
20	QPSK	50	56	18.93	19.07	18.95	20.0	0.0
20	QPSK	100	0	18.95	19.03	18.91		
20	MSKAM	1	1	18.85	19.15	18.85	20.0	0.0
20	MSKAM	1	1	18.73	18.82	18.75	20.0	0.0
20	MSKAM	1	1	17.62	17.66	17.64	18.5	0.0
Channel								
Frequency (MHz)								
15	PSSB-SK	1	1	18.97	19.07	18.97	20.0	0.0
Channel								
Frequency (MHz)								
10	PSSB-SK	1	1	18.95	19.03	19.01	20.0	0.0
Channel								
Frequency (MHz)								
5	PSSB-SK	1	1	19.05	19.07	19.05	20.0	0.0

n5_Ant11

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Power 168000	Power Main Ch. 1 Power 167500	Power High Ch. 1 Power 167500	Tune-up time (min)	MPR (dB)
Channel								
Frequency (MHz)								
20	PSSB-SK	1	1	23.58	23.58	23.57		
20	PSSB-SK	1	53	23.68	23.77	23.67	24.7	0.0
20	PSSB-SK	1	154	23.70	23.83	23.78		
20	PSSB-SK	50	0	23.29	23.29	23.24	24.2	0.0
20	PSSB-SK	50	26	23.71	23.74	23.73	24.7	0.0
20	PSSB-SK	50	56	23.27	23.31	23.19	24.2	0.0
20	PSSB-SK	100	0	23.31	23.32	23.25		
20	QPSK	1	1	23.57	23.58	23.55		
20	QPSK	1	53	23.59	23.63	23.64	24.7	0.0
20	QPSK	1	154	23.69	23.65	23.64		
20	QPSK	50	0	22.78	22.83	22.81	23.7	1.0
20	QPSK	50	26	23.74	23.75	23.75	24.7	0.0
20	QPSK	50	56	22.87	22.87	22.84	23.7	1.0
20	QPSK	100	0	22.82	22.86	22.79		
20	MSKAM	1	1	22.24	22.24	22.23	23.7	1.0
20	MSKAM	1	1	21.69	21.63	21.64	22.2	2.5
20	MSKAM	1	1	19.19	19.41	19.14	20.0	4.5
Channel								
Frequency (MHz)								
15	PSSB-SK	1	1	23.60	23.65	23.59	24.7	0.0
Channel								
Frequency (MHz)								
10	PSSB-SK	1	1	23.61	23.65	23.62	24.7	0.0
Channel								
Frequency (MHz)								
5	PSSB-SK	1	1	23.60	23.61	23.60	24.7	0.0

n5_Ant41

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Power 168000	Power Main Ch. 1 Power 167500	Power High Ch. 1 Power 167500	Tune-up time (min)	MPR (dB)
Channel								
Frequency (MHz)								
20	PSSB-SK	1	1	23.58	23.57	23.59		
20	PSSB-SK	1	53	23.68	23.75	23.69	24.4	0.0
20	PSSB-SK	1	154	23.60	23.68	23.58		
20	PSSB-SK	50	0	23.24	23.29	23.12	23.9	0.0
20	PSSB-SK	50	26	23.71	23.74	23.68	24.4	0.0
20	PSSB-SK	50	56	23.29	23.32	23.01	23.9	0.0
20	PSSB-SK	100	0	23.31	23.32	23.25		
20	QPSK	1	1	23.54	23.53	23.52		
20	QPSK	1	53	23.63	23.66	23.68	24.4	0.0
20	QPSK	1	154	23.56	23.53	23.57		
20	QPSK	50	0	22.82	22.78	22.89	23.4	1.0
20	QPSK	50	26	23.66	23.74	23.65	24.4	0.0
20	QPSK	50	56	22.81	22.84	22.81	23.4	1.0
20	QPSK	100	0	22.75	22.73	22.85		
20	MSKAM	1	1	22.28	22.22	22.29	23.4	1.0
20	MSKAM	1	1	21.62	21.63	21.67	21.9	2.5
20	MSKAM	1	1	19.15	19.16	19.15	19.0	4.5
Channel								
Frequency (MHz)								
15	PSSB-SK	1	1	23.60	23.64	23.53	24.6	0.0
Channel								
Frequency (MHz)								
10	PSSB-SK	1	1	23.56	23.58	23.59	24.4	0.0
Channel								
Frequency (MHz)								
5	PSSB-SK	1	1	23.60	23.62	23.63	24.4	0.0



n7_Ant14

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. [MHz]	Power Max Ch. Freq. [MHz]	Power High Ch. Freq. [MHz]	Turn-up time (dBm)	MPR (dB)
Channel								
Frequency [MHz]								
50	PSSBPSK	1	1	21.54	21.58	21.63		
50	PSSBPSK	1	135	21.35	21.39	21.43	22.7	0.0
50	PSSBPSK	1	265	21.15	21.23	21.33		
50	PSSBPSK	135	0	21.28	21.30	21.32	22.7	0.0
50	PSSBPSK	135	60	21.25	21.31	21.32		
50	PSSBPSK	135	135	21.14	21.26	21.21	22.7	0.0
50	PSSBPSK	270	0	21.25	21.37	21.31		
50	QPSK	1	1	21.55	21.59	21.65		
50	QPSK	1	135	21.17	21.25	21.25	22.7	0.0
50	QPSK	135	0	21.24	21.29	21.26	22.7	0.0
50	QPSK	135	60	21.15	21.31	21.22		
50	QPSK	135	135	21.17	21.23	21.21	22.7	0.0
50	QPSK	270	0	21.23	21.26	21.24		
50	MSK4M	1	1	20.71	20.78	20.70	22.7	0.0
50	MSK4M	1	1	20.32	20.37	20.28	22.2	0.0
50	MSK4M	1	1	18.45	18.34	18.51	20.2	0.0
Channel								
Frequency [MHz]								
40	PSSBPSK	1	1	20.97	20.97	20.97	20.7	0.0
Channel								
Frequency [MHz]								
30	PSSBPSK	1	1	20.20	20.21	20.14	22.7	0.0
Channel								
Frequency [MHz]								
25	PSSBPSK	1	1	20.97	21.00	20.96	22.7	0.0
Channel								
Frequency [MHz]								
20	PSSBPSK	1	1	20.95	20.99	20.94	22.7	0.0
Channel								
Frequency [MHz]								
15	PSSBPSK	1	1	21.03	21.04	20.91	22.7	0.0
Channel								
Frequency [MHz]								
10	PSSBPSK	1	1	20.98	20.94	20.98	22.7	0.0
Channel								
Frequency [MHz]								
5	PSSBPSK	1	1	20.95	20.92	20.98	22.7	0.0

n7_Ant31

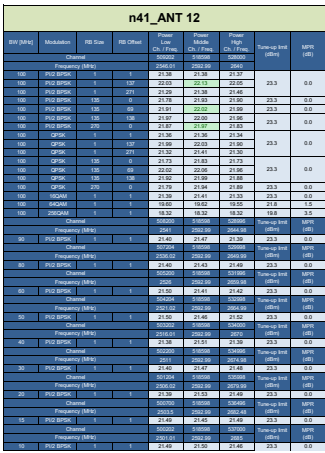
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. [MHz]	Power Max Ch. Freq. [MHz]	Power High Ch. Freq. [MHz]	Turn-up time (dBm)	MPR (dB)
Channel								
Frequency [MHz]								
50	PSSBPSK	1	1	20.33	20.29	20.34		
50	PSSBPSK	1	135	20.41	20.45	20.46	21.4	0.0
50	PSSBPSK	1	265	20.22	20.29	20.25		
50	PSSBPSK	135	0	20.19	20.32	20.32	21.4	0.0
50	PSSBPSK	135	60	20.23	20.41	20.29		
50	PSSBPSK	135	135	20.31	20.32	20.27	21.4	0.0
50	PSSBPSK	270	0	20.24	20.32	20.17		
50	QPSK	1	1	20.71	20.71	20.71		
50	QPSK	1	135	20.24	20.33	20.26	21.4	0.0
50	QPSK	135	0	20.19	20.30	20.26	21.4	0.0
50	QPSK	135	60	20.23	20.37	20.26		
50	QPSK	135	135	20.29	20.34	20.25	21.4	0.0
50	QPSK	270	0	20.22	20.32	20.31		
50	MSK4M	1	1	19.85	19.91	19.92	21.4	0.0
50	MSK4M	1	1	19.25	19.38	19.58	21.4	0.0
50	MSK4M	1	1	19.02	19.06	19.04	19.8	1.5
Channel								
Frequency [MHz]								
40	PSSBPSK	1	1	20.15	20.23	20.25	21.4	0.0
Channel								
Frequency [MHz]								
30	PSSBPSK	1	1	20.20	20.25	20.15	21.4	0.0
Channel								
Frequency [MHz]								
25	PSSBPSK	1	1	20.13	20.16	20.09	21.4	0.0
Channel								
Frequency [MHz]								
20	PSSBPSK	1	1	20.21	20.25	20.17	21.4	0.0
Channel								
Frequency [MHz]								
15	PSSBPSK	1	1	20.38	20.12	20.08	21.4	0.0
Channel								
Frequency [MHz]								
10	PSSBPSK	1	1	20.23	20.09	20.19	21.4	0.0
Channel								
Frequency [MHz]								
5	PSSBPSK	1	1	20.20	20.22	20.23	21.4	0.0

n66_Ant14

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. [MHz]	Power Max Ch. Freq. [MHz]	Power High Ch. Freq. [MHz]	Turn-up time (dBm)	MPR (dB)
Channel								
Frequency [MHz]								
40	PSSBPSK	1	1	18.67	18.72	18.77		
40	PSSBPSK	1	135	19.19	19.31	19.22	20.3	0.0
40	PSSBPSK	1	214	19.77	19.84	19.81		
40	PSSBPSK	168	0	19.28	19.21	19.19	20.3	0.0
40	PSSBPSK	168	64	19.21	19.35	19.19		
40	PSSBPSK	168	168	19.13	19.23	19.17	20.3	0.0
40	PSSBPSK	276	0	19.06	19.16	19.05		
40	QPSK	1	1	19.05	19.12	19.15		
40	QPSK	1	135	19.19	19.28	19.12	20.3	0.0
40	QPSK	1	214	19.75	19.78	19.71		
40	QPSK	168	0	19.14	19.21	19.21	20.3	0.0
40	QPSK	168	64	19.28	19.26	19.29		
40	QPSK	168	168	19.14	19.21	19.13	20.3	0.0
40	QPSK	276	0	19.12	19.20	19.08		
40	MSK4M	1	1	19.05	19.40	19.44	20.3	0.0
40	MSK4M	1	1	18.47	18.58	18.45	20.3	0.0
40	MSK4M	1	1	17.46	17.66	17.49	19.4	1.5
Channel								
Frequency [MHz]								
30	PSSBPSK	1	1	18.59	18.68	18.71	20.3	0.0
Channel								
Frequency [MHz]								
25	PSSBPSK	1	1	18.62	18.66	18.70	20.3	0.0
Channel								
Frequency [MHz]								
20	PSSBPSK	1	1	18.63	18.66	18.61	20.3	0.0
Channel								
Frequency [MHz]								
15	PSSBPSK	1	1	18.61	18.67	18.61	20.3	0.0
Channel								
Frequency [MHz]								
10	PSSBPSK	1	1	18.59	18.67	18.74	20.3	0.0
Channel								
Frequency [MHz]								
5	PSSBPSK	1	1	18.04	18.60	18.70	20.3	0.0

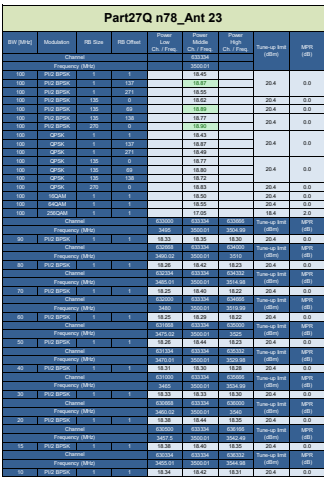
n66_Ant31

n66_AnT31								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. [MHz]	Power Max Ch. Freq. [MHz]	Power High Ch. Freq. [MHz]	Turn-up time (dBm)	MPR (dB)
Channel								
Frequency [MHz]								
40	PSSBPSK	1	1	19.35	19.40	19.37		
40	PSSBPSK	1	135	19.83	19.95	19.85	20.8	0.0
40	PSSBPSK	1	214	19.33	19.45	19.41		
40	PSSBPSK	168	0	19.71	19.81	19.70	20.8	0.0
40	PSSBPSK	168	64	19.70	19.80	19.70		
40	PSSBPSK	168	168	19.74	19.85	19.75	20.8	0.0
40	PSSBPSK	276	0	19.70	19.84	19.80		
40	QPSK	1	1	19.37	19.39	19.39		
40	QPSK	1	135	19.75	19.88	19.82	20.8	0.0
40	QPSK	1	214	19.48	19.48	19.35		
40	QPSK	168	0	19.84	19.88	19.79	20.8	0.0
40	QPSK	168	64	19.81	19.88	19.75		
40	QPSK	168	168	19.88	19.87	19.73	20.8	0.0
40	QPSK	276	0	19.84	19.85	19.79		
40	MSK4M	1	1	19.37	19.77	19.64	20.8	0.0
40	MSK4M	1	1	19.10	19.15	19.04	20.8	0.0
40	MSK4M	1	1	17.94	17.77	17.94	19.8	2.0
Channel								
Frequency [MHz]								
30	PSSBPSK	1	1	19.39	19.42	19.34	20.8	0.0
Channel								
Frequency [MHz]								
25	PSSBPSK	1	1	19.22	19.26	19.24	20.8	0.0
Channel								
Frequency [MHz]								
20	PSSBPSK	1	1	19.31	19.33	19.23	20.8	0.0
Channel								
Frequency [MHz]								
15	PSSBPSK	1	1	19.35	19.40	19.40	20.8	0.0
Channel								
Frequency [MHz]								
10	PSSBPSK	1	1	19.39	19.40	19.35	20.8	0.0
Channel								
Frequency [MHz]								
5	PSSBPSK	1	1	19.12	19.14	19.12	20.8	0.0



Par27Q n77_Ant 13									
Site [km]	Substation	Phase	Site Offset	Time of Day (hr:min)	Phase Name	Phase Type	High Voltage	Year in Service	MPN (kV)
Chase									
100	Par27SPR1	1	0		18.87				
100	Par27SPR1	2	0		18.87		10.3	0.0	
100	Par27SPR1	3	0		18.87		10.3	0.0	
100	Par27SPR1	1	270		18.87				
100	Par27SPR1	2	270		18.87				
100	Par27SPR1	3	270		18.87				
100	Par27SPR1	1	90		17.00		10.3	0.0	
100	Par27SPR1	2	90		17.00		10.3	0.0	
100	Par27SPR1	3	90		17.00		10.3	0.0	
100	Par27SPR1	1	0		17.43				
100	Par27SPR1	2	0		17.43				
100	Par27SPR1	3	0		17.43				
100	Par27SPR1	1	270		17.43				
100	Par27SPR1	2	270		17.43				
100	Par27SPR1	3	270		17.43				
100	Par27SPR1	1	90		17.81		10.3	0.0	
100	Par27SPR1	2	90		17.81		10.3	0.0	
100	Par27SPR1	3	90		17.81		10.3	0.0	
100	Par27SPR1	1	0		18.27		10.3	0.0	
100	Par27SPR1	2	0		18.27		10.3	0.0	
100	Par27SPR1	3	0		18.27		10.3	0.0	
Chase									
100	Par27SPR1	1	0		18.65		10.3	0.0	
100	Par27SPR1	2	0		18.65		10.3	0.0	
100	Par27SPR1	3	0		18.65		10.3	0.0	
100	Par27SPR1	1	270		18.65		10.3	0.0	
100	Par27SPR1	2	270		18.65		10.3	0.0	
100	Par27SPR1	3	270		18.65		10.3	0.0	
100	Par27SPR1	1	90		19.03		10.3	0.0	
100	Par27SPR1	2	90		19.03		10.3	0.0	
100	Par27SPR1	3	90		19.03		10.3	0.0	
100	Par27SPR1	1	0		19.40		10.3	0.0	
100	Par27SPR1	2	0		19.40		10.3	0.0	
100	Par27SPR1	3	0		19.40		10.3	0.0	
100	Par27SPR1	1	270		19.77		10.3	0.0	
100	Par27SPR1	2	270		19.77		10.3	0.0	
100	Par27SPR1	3	270		19.77		10.3	0.0	
100	Par27SPR1	1	90		20.15		10.3	0.0	
100	Par27SPR1	2	90		20.15		10.3	0.0	
100	Par27SPR1	3	90		20.15		10.3	0.0	
100	Par27SPR1	1	0		20.52		10.3	0.0	
100	Par27SPR1	2	0		20.52		10.3	0.0	
100	Par27SPR1	3	0		20.52		10.3	0.0	
100	Par27SPR1	1	270		20.89		10.3	0.0	
100	Par27SPR1	2	270		20.89		10.3	0.0	
100	Par27SPR1	3	270		20.89		10.3	0.0	
100	Par27SPR1	1	90		21.2				

[illegible]



Part270 n78_Ant_23									
Seq (MHz)	Modulation	FE Size	FE Offset	FE Type / Fec Rate	Stream Rate (Kb/s)	Stream Code Rate	Frame Size (Bytes)	Modulation Type	SNR (dB)
100	PSK BPSK	128	0	1	15.64	1/2	1024		0.0
100	PSK BPSK	128	0	1	15.64	1/2	1024	25A	0.0
100	PSK BPSK	128	0	1	15.64	1/2	1024	25B	0.0
100	PSK BPSK	128	0	1	15.64	1/2	1024	25C	0.0
100	PSK BPSK	128	0	1	15.64	1/2	1024	25D	0.0
100	QPSK	128	0	1	15.64	1/2	1024	25E	0.0
100	QPSK	128	0	1	15.64	1/2	1024	25F	0.0
100	QPSK	128	0	1	15.64	1/2	1024	25G	0.0
100	QPSK	128	0	1	15.64	1/2	1024	25H	0.0
100	QPSK	128	0	1	15.64	1/2	1024	25I	0.0
100	QPSK	128	0	1	15.64	1/2	1024	25J	0.0
100	QPSK	128	0	1	15.64	1/2	1024	25K	0.0
100	QPSK	128	0	1	15.64	1/2	1024	25L	0.0
100	QPSK	128	0	1	15.64	1/2	1024	25M	0.0
100	QPSK	128	0	1	15.64	1/2	1024	25N	0.0
100	QPSK	128	0	1	15.64	1/2	1024	25O	0.0
100	QPSK	128	0	1	15.64	1/2	1024	25P	0.0
100	QPSK	128	0	1	15.64	1/2	1024	25Q	0.0
100	QPSK	128	0	1	15.64	1/2	1024	25R	0.0
100	QPSK	128	0	1	15.64	1/2	1024	25S	0.0
100	QPSK	128	0	1	15.64	1/2	1024	25T	0.0
100	QPSK	128	0	1	15.64	1/2	1024	25U	0.0
100	QPSK	128	0	1	15.64	1/2	1024	25V	0.0
100	QPSK	128	0	1	15.64	1/2	1024	25W	0.0
100	QPSK	128	0	1	15.64	1/2	1024	25X	0.0
100	QPSK	128	0	1	15.64	1/2	1024	25Y	0.0
100	QPSK	128	0	1	15.64	1/2	1024	25Z	0.0
100	QPSK	128	0	1	15.64	1/2	1024	25aa	0.0
100	QPSK	128	0	1	15.64	1/2	1024	25ab	0.0
100	QPSK	128	0	1	15.64	1/2	1024	25ac	0.0
100	QPSK	128	0	1	15.64	1/2	1024	25ad	0.0
100	QPSK	128	0	1	15.64	1/2	1024	25ae	0.0
100	QPSK	128	0	1	15.64	1/2	1024	25af	0.0
100	QPSK	128	0	1	15.64	1/2	1024	25ag	0.0
100	QPSK	128	0	1	15.64	1/2	1024	25ah	0.0
100	QPSK	128	0	1	15.64	1/2	1024	25ai	0.0
100	QPSK	128	0	1	15.64	1/2	1024	25aj	0.0
100	QPSK	128	0	1	15.64	1/2	1024	25ak	0.0
100	QPSK	128	0	1	15.64	1/2	1024	25al	0.0
100	QPSK	128	0	1	15.64	1/2	1024	25am	0.0
100	QPSK	128	0	1	15.64	1/2	1024	25an	0.0

[illegible]

Part270 n78_Ant 24							
RF (MHz)	Modulation	File Size	RF Offset	File Name (File Size, Type)	Frame Rate (Kbps)	Frame Size (Bytes)	Approx. data rate (Kbps)
100	FSK (BPSK)	100	0	100_01 (100, 100)	22.2	0.5	
100	FSK (BPSK)	1	100	100_02 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_03 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_04 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	100	100_05 (100, 100)	22.2	0.5	
100	FSK (BPSK)	1	100	100_06 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_07 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_08 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_09 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_10 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_11 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_12 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_13 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_14 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_15 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_16 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_17 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_18 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_19 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_20 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_21 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_22 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_23 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_24 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_25 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_26 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_27 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_28 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_29 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_30 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_31 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_32 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_33 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_34 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_35 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_36 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_37 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_38 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_39 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_40 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_41 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_42 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_43 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_44 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_45 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_46 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_47 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_48 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_49 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_50 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_51 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_52 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_53 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_54 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_55 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_56 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_57 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_58 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_59 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_60 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_61 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_62 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_63 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_64 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_65 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_66 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_67 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_68 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_69 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_70 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_71 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_72 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_73 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_74 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_75 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_76 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_77 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_78 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_79 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_80 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_81 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_82 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_83 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_84 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_85 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_86 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_87 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_88 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_89 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_90 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_91 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_92 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_93 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_94 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_95 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_96 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_97 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_98 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_99 (100, 100)	22.2	0.5	
100	FSK (BPSK)	100	0	100_100 (100, 100)	22.2	0.5	

[illegible]



DSI 5 & DSI 6 Power

n2_Ant14

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Power 375000	Power Media Ch. 1 Power 375000	Power High Ch. 1 Power 380000	Tune-up time (dBm)	spurs (dB)
Channel								
Frequency [MHz]								
20	P12-BPSK	1	1	17.75	17.87	17.85		
20	P12-BPSK	1	53	17.85	18.01	17.95	19.2	0.0
20	P12-BPSK	1	104	17.85	17.90	17.75		
20	P12-BPSK	50	0	17.85	17.95	17.80	19.0	0.0
20	P12-BPSK	50	26	17.85	18.05	17.90	19.2	0.0
20	P12-BPSK	50	56	17.85	17.99	17.85	19.2	0.0
20	P12-BPSK	100	0	17.85	17.92	17.88		
20	QPSK	1	1	17.81	17.79	17.85		
20	QPSK	1	53	17.75	17.89	17.81	19.2	0.0
20	QPSK	1	104	17.75	17.78	17.75		
20	QPSK	50	0	17.74	17.87	17.79	19.0	0.0
20	QPSK	50	26	17.85	17.94	17.84	19.2	0.0
20	QPSK	50	56	17.81	17.85	17.72	19.2	0.0
20	QPSK	100	0	17.81	17.82	17.88		
20	SSB4M	1	1	17.35	17.51	17.48	19.2	0.0
20	SSB4M	1	1	17.45	17.52	17.48	19.0	0.0
20	SSB4M	1	1	17.45	17.48	17.50	19.2	0.0
Channel								
Frequency [MHz]								
15	P12-BPSK	1	1	17.77	17.72	17.75	19.2	0.0
Channel								
Frequency [MHz]								
10	P12-BPSK	1	1	17.79	17.74	17.80	19.2	0.0
Channel								
Frequency [MHz]								
5	P12-BPSK	1	1	17.77	17.81	17.77	19.2	0.0

n2_Ant31

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Power 375000	Power Media Ch. 1 Power 375000	Power High Ch. 1 Power 380000	Tune-up time (dBm)	spurs (dB)
Channel								
Frequency [MHz]								
20	P12-BPSK	1	1	17.55	17.55	17.52		
20	P12-BPSK	1	53	17.62	17.55	17.55	18.5	0.0
20	P12-BPSK	1	104	17.45	17.58	17.50		
20	P12-BPSK	50	0	17.39	17.52	17.48	18.5	0.0
20	P12-BPSK	50	26	17.59	17.64	17.60	18.5	0.0
20	P12-BPSK	50	56	17.49	17.58	17.44	18.5	0.0
20	P12-BPSK	100	0	17.45	17.54	17.51		
20	QPSK	1	1	17.45	17.50	17.45		
20	QPSK	1	53	17.44	17.54	17.55	18.5	0.0
20	QPSK	1	104	17.45	17.60	17.55		
20	QPSK	50	0	17.41	17.53	17.38	18.5	0.0
20	QPSK	50	26	17.54	17.61	17.48	18.5	0.0
20	QPSK	50	56	17.54	17.58	17.45	18.5	0.0
20	QPSK	100	0	17.52	17.53	17.45		
20	SSB4M	1	1	17.17	17.25	17.15	18.5	0.0
20	SSB4M	1	1	17.25	17.27	17.19	18.5	0.0
20	SSB4M	1	1	17.43	17.51	17.45	18.5	0.0
Channel								
Frequency [MHz]								
15	P12-BPSK	1	1	17.44	17.58	17.41	19.2	0.0
Channel								
Frequency [MHz]								
10	P12-BPSK	1	1	17.44	17.59	17.54	18.5	0.0
Channel								
Frequency [MHz]								
5	P12-BPSK	1	1	17.47	17.46	17.57	18.5	0.0

n5_Ant11

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Power 165000	Power Media Ch. 1 Power 167500	Power High Ch. 1 Power 167500	Tune-up time (dBm)	spurs (dB)
Channel								
Frequency [MHz]								
20	P12-BPSK	1	1	23.13	23.15	23.14		
20	P12-BPSK	1	53	23.24	23.23	23.25	24.2	0.0
20	P12-BPSK	1	104	23.11	23.17	23.14		
20	P12-BPSK	50	0	23.21	23.24	23.22	24.2	0.0
20	P12-BPSK	50	26	23.18	23.20	23.21	24.2	0.0
20	P12-BPSK	50	56	23.03	23.15	23.15	24.2	0.0
20	P12-BPSK	100	0	23.19	23.20	23.11		
20	QPSK	1	1	23.01	23.13	23.05		
20	QPSK	1	53	23.13	23.18	23.10	24.2	0.0
20	QPSK	1	104	23.02	23.14	23.15		
20	QPSK	50	0	22.89	22.83	22.89	23.7	0.5
20	QPSK	50	26	23.15	23.23	23.17	24.2	0.5
20	QPSK	50	56	22.75	22.86	22.75	23.7	0.5
20	QPSK	100	0	22.85	22.87	22.85		
20	SSB4M	1	1	22.29	22.41	22.35	23.7	0.5
20	SSB4M	1	1	20.98	21.09	20.90	22.2	2.0
20	SSB4M	1	1	19.28	19.43	19.43	22.2	4.0
Channel								
Frequency [MHz]								
15	P12-BPSK	1	1	23.17	23.15	23.15	24.2	0.0
Channel								
Frequency [MHz]								
10	P12-BPSK	1	1	23.10	23.01	23.09	24.2	0.0
Channel								
Frequency [MHz]								
5	P12-BPSK	1	1	23.13	23.21	23.02	24.2	0.0

n5_Ant41

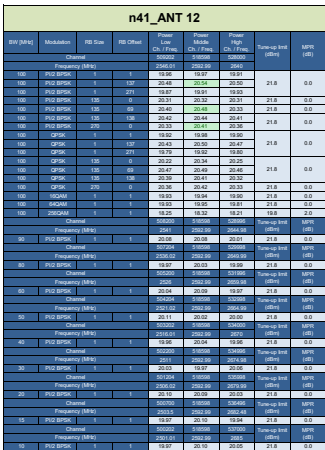
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Power 165000	Power Media Ch. 1 Power 167500	Power High Ch. 1 Power 167500	Tune-up time (dBm)	spurs (dB)
Channel								
Frequency [MHz]								
20	P12-BPSK	1	1	23.08	23.07	23.09		
20	P12-BPSK	1	53	23.08	23.15	23.09	24.4	0.0
20	P12-BPSK	1	104	23.02	23.05	23.05		
20	P12-BPSK	50	0	23.24	23.29	23.12	23.9	0.5
20	P12-BPSK	50	26	23.11	23.19	23.08	24.4	0.5
20	P12-BPSK	50	56	23.29	23.12	23.01	23.9	0.5
20	P12-BPSK	100	0	23.31	23.31	23.30		
20	QPSK	1	1	23.34	23.53	23.52		
20	QPSK	1	53	23.43	23.46	23.48	24.4	0.0
20	QPSK	1	104	23.35	23.53	23.57		
20	QPSK	50	0	22.82	22.78	22.85	23.4	1.0
20	QPSK	50	26	23.56	23.74	23.55	24.4	0.5
20	QPSK	50	56	22.91	22.94	22.91	23.4	1.0
20	QPSK	100	0	22.75	22.73	22.83		
20	SSB4M	1	1	22.25	22.32	22.29	23.4	1.0
20	SSB4M	1	1	21.02	21.03	21.07	21.9	2.5
20	SSB4M	1	1	19.52	19.59	19.52	21.9	4.5
Channel								
Frequency [MHz]								
15	P12-BPSK	1	1	23.10	23.04	23.15	24.4	0.0
Channel								
Frequency [MHz]								
10	P12-BPSK	1	1	23.05	23.08	23.04	24.4	0.0
Channel								
Frequency [MHz]								
5	P12-BPSK	1	1	23.00	23.02	23.03	24.4	0.0

n7_Ant14							
RF (MHz)	Modulation	RF SS	RF Offset	Power dBm Tx Power Qu.Freq.	Power dBm Tx Power Qu.Freq.	Power dBm Tx Power Qu.Freq.	Reference level (dBm)
50	Frequency (MHz)			15.52	15.52	14.45	
50	[Pilot] Ant14	1	140	10.86	10.73	10.68	21.2
50	Channel			10.86	10.73	10.68	
50	[Pilot] Ant14	140	0	14.87	14.89	14.85	21.2
50	Channel			14.87	14.89	14.85	
50	[Pilot] Ant14	140	140	10.86	10.73	10.68	21.2
50	Channel			10.86	10.73	10.68	
50	[Pilot] Ant14	2120	0	14.59	14.71	14.58	
50	Channel			14.59	14.71	14.58	
50	[Pilot] Ant14	2120	140	10.86	10.73	10.68	21.2
50	Channel			10.86	10.73	10.68	
50	[Pilot] Ant14	2120	140	14.87	14.89	14.85	21.2
50	Channel			14.87	14.89	14.85	
50	[Pilot] Ant14	2120	0	14.59	14.71	14.58	
50	Channel			14.59	14.71	14.58	
50	[Pilot] Ant14	2120	140	10.86	10.73	10.68	21.2
50	Channel			10.86	10.73	10.68	
50	[Pilot] Ant14	2120	140	14.87	14.89	14.85	21.2
50	Channel			14.87	14.89	14.85	
50	[Pilot] Ant14	2120	0	14.59	14.71	14.58	
50	Channel			14.59	14.71	14.58	
50	[Pilot] Ant14	2120	140	10.86	10.73	10.68	21.2
50	Channel			10.86	10.73	10.68	
50	[Pilot] Ant14	2120	140	14.87	14.89	14.85	21.2
50	Channel			14.87	14.89	14.85	
50	[Pilot] Ant14	2120	0	14.59	14.71	14.58	
50	Channel			14.59	14.71	14.58	
50	[Pilot] Ant14	2120	140	10.86	10.73	10.68	21.2
50	Channel			10.86	10.73	10.68	
50	[Pilot] Ant14	2120	140	14.87	14.89	14.85	21.2
50	Channel			14.87	14.89	14.85	
50	[Pilot] Ant14	2120	0	14.59	14.71	14.58	
50	Channel			14.59	14.71	14.58	
50	[Pilot] Ant14	2120	140	10.86	10.73	10.68	21.2
50	Channel			10.86	10.73	10.68	
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50	Channel			14.87	14.89	14.85	
50	[Pilot] Ant14	2120	0	14.59	14.71	14.58	
50	Channel			14.59	14.71	14.58	
50	[Pilot] Ant14	2120	140	10.86	10.73	10.68	21.2
50	Channel			10.86	10.73	10.68	
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50	Channel			14.87	14.89	14.85	
50	[Pilot] Ant14	2120	0	14.59	14.71	14.58	
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50	[Pilot] Ant14	2120	140	10.86	10.73	10.68	21.2
50	Channel			10.86	10.73	10.68	
50	[Pilot] Ant14	2120	140	14.87	14.89	14.85	21.2
50	Channel			14.87	14.89	14.85	
50	[Pilot] Ant14	2120	0	14.59	14.71	14.58	
50	Channel			14.59	14.71	14.58	
50	[Pilot] Ant14	2120	140	10.86	10.73	10.68	21.2
50	Channel			10.86	10.73	10.68	
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50	Channel			14.87	14.89	14.85	
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50	Channel			10.86	10.73	10.68	
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50	Channel			14.87	14.89	14.85	
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50	Channel			14.59	14.71	14.58	
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50	Channel			10.86	10.73	10.68	
50	[Pilot] Ant14	2120	140	14.87	14.89	14.85	21.2
50	Channel			14.87	14.89	14.85	
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50	Channel			14.59	14.71	14.58	
50	[Pilot] Ant14	2120	140	10.86	10.73	10.68	21.2
50	Channel			10.86	10.73	10.68	
50	[Pilot] Ant14	2120	140	14.87	14.89	14.85	21.2
50	Channel			14.87	14.89	14.85	
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50	Channel			14.59	14.71	14.58	
50	[Pilot] Ant14	2120	140	10.86	10.73	10.68	21.2
50	Channel			10.86	10.73	10.68	
50	[Pilot] Ant14	2120	140	14.87	14.89	14.85	21.2
50	Channel			14.87	14.89	14.85	
50	[Pilot] Ant14	2120	0	14.59	14.71	14.58	
50	Channel			14.59	14.71	14.58	
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50	Channel			10.86	10.73	10.68	
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50	Channel			14.87	14.89	14.85	
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50	Channel			14.59	14.71	14.58	
50	[Pilot] Ant14	2120	140	10.86	10.73	10.68	21.2
50	Channel			10.86	10.73	10.68	
50	[Pilot] Ant14	2120	140	14.87	14.89	14.85	21.2
50	Channel			14.87	14.89	14.85	
50	[Pilot] Ant14	2120	0	14.59	14.71	14.58	
50	Channel			14.59	14.71	14.58	
50	[Pilot] Ant14	2120	140	10.86	10.73	10.68	21.2
50	Channel			10.86	10.73	10.68	
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50	Channel			14.87	14.89	14.85	
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50	Channel			14.59	14.71	14.58	
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50	Channel			10.86	10.73	10.68	
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50	Channel			14.87	14.89	14.85	
50	[Pilot] Ant14	2120	0	14.59	14.71	14.58	
50	Channel			14.59	14.71	14.58	
50	[Pilot] Ant14	2120	140	10.86	10.73	10.68	21.2
50	Channel			10.86	10.73	10.68	
50	[Pilot] Ant14	2120	140	14.87	14.89	14.85	21.2
50	Channel			14.87	14.89	14.85	
50	[Pilot] Ant14	2120	0	14.59	14.71	14.58	
50	Channel			14.59	14.71	14.58	
50	[Pilot] Ant14	2120	140	10.86	10.73	10.68	21.2
50	Channel			10.86	10.73	10.68	
50	[Pilot] Ant14	2120	140	14.87	14.89	14.85	21.2
50	Channel			14.87	14.89	14.85	
50	[Pilot] Ant14	2120	0	14.59	14.71	14.58	
50	Channel			14.59	14.71	14.58	
50	[Pilot] Ant14	2120	140	10.86	10.73	10.68	21.2
50	Channel			10.86	10.73	10.68	
50	[Pilot] Ant14	2120	140	14.87	14.89	14.85	21.2
50	Channel			14.87	14.89	14.85	
50	[Pilot] Ant14	2120	0	14.59	14.71	14.58	
50	Channel			14.59	14.71	14.58	
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50	Channel			10.86	10.73	10.68	
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50	Channel			14.87	14.89	14.85	
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50	Channel			14.59	14.71	14.58	
50	[Pilot] Ant14	2120	140	10.86	10.73	10.68	21.2
50	Channel			10.86	10.73	10.68	
50	[Pilot] Ant14	2120	140	14.87	14.89	14.85	21.2
50	Channel			14.87	14.89	14.85	
50	[Pilot] Ant14	2120	0	14.59	14.71	14.58	
50	Channel			14.59	14.71	14.58	
50	[Pilot] Ant14	2120	140	10.86	10.73	10.68	21.2
50	Channel			10.86	10.73	10.68	
50	[Pilot] Ant14	2120	140	14.87	14.89	14.85	21.2
50	Channel			14.87	14.89	14.85	
50	[Pilot] Ant14	2120	0	14.59	14.71	14.58	
50	Channel			14.59	14.71	14.58	
50	[Pilot] Ant14	2120	140	10.86	10.73	10.68	21.2
50	Channel			10.86	10.73	10.68	
50	[Pilot] Ant14	2120	140	14.87	14.89	14.85	21.2
50	Channel			14.87	14.89	14.85	
50	[Pilot] Ant14	2120	0	14.59	14.71	14.58	
50	Channel			14.59	14.71	14.58	
50	[Pilot] Ant14	2120	140	10.86	10.73	10.68	21.2
50	Channel			10.86	10.73	10.68	
50	[Pilot] Ant14	2120	140	14.87	14.89	14.85	21.2
50	Channel			14.87	14.89	14.85	
50	[Pilot] Ant14	2120	0	14.59	14.71	14.58	
50							

n7_An31									
Site (deg)	Modulation	RF Size	RF Offset	Power (mW)	Power (mW) Q ₁ Q ₂ Q ₃	Power (mW) Q ₁ Q ₂ Q ₃	Power (mW) Q ₁ Q ₂ Q ₃	Frequency lock	AFB (dB)
50	[P1] BPSK	1	0	10.79	19.68	19.68	19.68	20.0	0.0
50	[P1] BPSK	1	100	10.83	20.02	20.02	20.02	20.0	0.0
50	[P1] BPSK	1	200	10.87	20.36	20.36	20.36	20.0	0.0
50	[P1] BPSK	128	0	10.77	19.67	19.67	19.67	20.0	0.0
50	[P1] BPSK	128	100	10.81	20.01	20.01	20.01	20.0	0.0
50	[P1] BPSK	128	156	10.86	20.34	20.34	20.34	20.0	0.0
50	[P1] BPSK	256	0	10.74	19.62	19.62	19.62	20.0	0.0
50	[P1] BPSK	256	100	10.78	19.96	19.96	19.96	20.0	0.0
50	[P1] BPSK	256	156	10.83	20.29	20.29	20.29	20.0	0.0
50	[P1] BPSK	512	0	10.72	19.59	19.59	19.59	20.0	0.0
50	[P1] BPSK	512	100	10.76	19.93	19.93	19.93	20.0	0.0
50	[P1] BPSK	512	156	10.82	20.27	20.27	20.27	20.0	0.0
50	[P1] BPSK	1024	0	10.61	19.55	19.55	19.55	20.0	0.0
50	[P1] BPSK	1024	100	10.65	19.89	19.89	19.89	20.0	0.0
50	[P1] BPSK	1024	156	10.71	20.25	20.25	20.25	20.0	0.0
50	[P1] BPSK	2048	0	10.59	19.52	19.52	19.52	20.0	0.0
50	[P1] BPSK	2048	100	10.63	19.86	19.86	19.86	20.0	0.0
50	[P1] BPSK	2048	156	10.69	20.23	20.23	20.23	20.0	0.0
40	[P1] BPSK	1	0	10.6600	19.6000	19.6000	19.6000	Frequency lock	AFB
40	[P1] BPSK	1	100	10.6600	19.6000	19.6000	19.6000	Frequency lock	AFB
40	[P1] BPSK	1	200	10.6600	19.6000	19.6000	19.6000	Frequency lock	AFB
40	[P1] BPSK	128	0	10.64	19.70	19.70	19.70	20.0	0.0
40	[P1] BPSK	128	100	10.68	20.04	20.04	20.04	20.0	0.0
40	[P1] BPSK	128	156	10.73	20.37	20.37	20.37	20.0	0.0
40	[P1] BPSK	256	0	10.62	19.64	19.64	19.64	20.0	0.0
40	[P1] BPSK	256	100	10.66	19.98	19.98	19.98	20.0	0.0
40	[P1] BPSK	256	156	10.71	20.31	20.31	20.31	20.0	0.0
40	[P1] BPSK	512	0	10.60	19.60	19.60	19.60	20.0	0.0
40	[P1] BPSK	512	100	10.64	19.94	19.94	19.94	20.0	0.0
40	[P1] BPSK	512	156	10.69	20.27	20.27	20.27	20.0	0.0
40	[P1] BPSK	1024	0	10.58	19.55	19.55	19.55	20.0	0.0
40	[P1] BPSK	1024	100	10.62	19.89	19.89	19.89	20.0	0.0
40	[P1] BPSK	1024	156	10.67	20.22	20.22	20.22	20.0	0.0
30	[P1] BPSK	1	0	10.75	19.74	19.74	19.74	20.0	0.0
30	[P1] BPSK	1	100	10.79	20.08	20.08	20.08	20.0	0.0
30	[P1] BPSK	1	200	10.83	20.42	20.42	20.42	20.0	0.0
30	[P1] BPSK	128	0	10.73	19.71	19.71	19.71	20.0	0.0
30	[P1] BPSK	128	100	10.77	20.05	20.05	20.05	20.0	0.0
30	[P1] BPSK	128	156	10.81	20.39	20.39	20.39	20.0	0.0
30	[P1] BPSK	256	0	10.71	19.69	19.69	19.69	20.0	0.0
30	[P1] BPSK	256	100	10.75	20.03	20.03	20.03	20.0	0.0
30	[P1] BPSK	256	156	10.79	20.37	20.37	20.37	20.0	0.0
30	[P1] BPSK	512	0	10.69	19.67	19.67	19.67	20.0	0.0
30	[P1] BPSK	512	100	10.73	19.99	19.99	19.99	20.0	0.0
30	[P1] BPSK	512	156	10.77	20.33	20.33	20.33	20.0	0.0
30	[P1] BPSK	1024	0	10.67	19.65	19.65	19.65	20.0	0.0
30	[P1] BPSK	1024	100	10.71	19.97	19.97	19.97	20.0	0.0
30	[P1] BPSK	1024	156	10.75	20.31	20.31	20.31	20.0	0.0
30	[P1] BPSK	2048	0	10.65	19.63	19.63	19.63	20.0	0.0
30	[P1] BPSK	2048	100	10.69	19.95	19.95	19.95	20.0	0.0
30	[P1] BPSK	2048	156	10.73	20.29	20.29	20.29	20.0	0.0
20	[P1] BPSK	1	0	10.81	20.00	20.00	20.00	20.0	0.0
20	[P1] BPSK	1	100	10.85	20.34	20.34	20.34	20.0	0.0
20	[P1] BPSK	1	200	10.89	20.68	20.68	20.68	20.0	0.0
20	[P1] BPSK	128	0	10.75	19.75	19.75	19.75	20.0	0.0
20	[P1] BPSK	128	100	10.79	20.09	20.09	20.09	20.0	0.0
20	[P1] BPSK	128	156	10.83	20.43	20.43	20.43	20.0	0.0
20	[P1] BPSK	256	0	10.73	19.73	19.73	19.73	20.0	0.0
20	[P1] BPSK	256	100	10.77	20.07	20.07	20.07	20.0	0.0
20	[P1] BPSK	256	156	10.81	20.41	20.41	20.41	20.0	0.0
20	[P1] BPSK	512	0	10.71	19.71	19.71	19.71	20.0	0.0
20	[P1] BPSK	512	100	10.75	20.05	20.05	20.05	20.0	0.0
20	[P1] BPSK	512	156	10.79	20.39	20.39	20.39	20.0	0.0
20	[P1] BPSK	1024	0	10.69	19.69	19.69	19.69	20.0	0.0
20	[P1] BPSK	1024	100	10.73	19.97	19.97	19.97	20.0	0.0
20	[P1] BPSK	1024	156	10.77	20.33	20.33	20.33	20.0	0.0
20	[P1] BPSK	2048	0	10.67	19.67	19.67	19.67	20.0	0.0
20	[P1] BPSK	2048	100	10.71	19.95	19.95	19.95	20.0	0.0
20	[P1] BPSK	2048	156	10.75	20.29	20.29	20.29	20.0	0.0
10	[P1] BPSK	1	0	10.85	20.32	20.32	20.32	20.0	0.0
10	[P1] BPSK	1	100	10.89	20.66	20.66	20.66	20.0	0.0
10	[P1] BPSK	1	200	10.93	21.00	21.00	21.00	20.0	0.0
10	[P1] BPSK	128	0	10.77	19.77	19.77	19.77	20.0	0.0
10	[P1] BPSK	128	100	10.81	20.11	20.11	20.11	20.0	0.0
10	[P1] BPSK	128	156	10.85	20.45	20.45	20.45	20.0	0.0
10	[P1] BPSK	256	0	10.75	19.75	19.75	19.75	20.0	0.0
10	[P1] BPSK	256	100	10.79	20.09	20.09	20.09	20.0	0.0
10	[P1] BPSK	256	156	10.83	20.43	20.43	20.43	20.0	0.0
10	[P1] BPSK	512	0	10.73	19.73	19.73	19.73	20.0	0.0
10	[P1] BPSK	512	100	10.77	20.07	20.07	20.07	20.0	0.0
10	[P1] BPSK	512	156	10.81	20.41	20.41	20.41	20.0	0.0
10	[P1] BPSK	1024	0	10.71	19.71	19.71	19.71	20.0	0.0
10	[P1] BPSK	1024	100	10.75	20.05	20.05	20.05	20.0	0.0
10	[P1] BPSK	1024	156	10.79	20.39	20.39	20.39	20.0	0.0
10	[P1] BPSK	2048	0	10.69	19.69	19.69	19.69	20.0	0.0
10	[P1] BPSK	2048	100	10.73	19.97	19.97	19.97	20.0	0.0
10	[P1] BPSK	2048	156	10.77	20.33	20.33	20.33	20.0	0.0
10	[P1] BPSK	4096	0	10.67	19.67	19.67	19.67	20.0	0.0
10	[P1] BPSK	4096	100	10.71	19.95	19.95	19.95	20.0	0.0
10	[P1] BPSK	4096	156	10.75	20.29	20.29	20.29	20.0	0.0
5	[P1] BPSK	1	0	10.93	21.00	21.00	21.00	20.0	0.0

n66_Ant14									
Site (km)	Modulation	RF Size	RF Offset	Power dBm	Power dBm Ch. 1/2	Power dBm Ch. 3/4	Power dBm Ch. 5/6	Interp. and Filter	APR (%)
Frequency (MHz)									
40	P2 (BPSK)	100	0	17.7	17.4	17.7	17.7		0.0
40	P2 (BPSK)	100	0	18.1	17.8	18.1	18.1	10.1	0.0
40	P2 (BPSK)	100	0	18.5	18.3	18.5	18.5		0.0
40	P2 (BPSK)	100	0	18.9	18.6	18.9	18.9		0.0
40	P2 (BPSK)	100	0	19.3	19.0	19.3	19.3		0.0
40	P2 (BPSK)	100	0	19.7	19.4	19.7	19.7		0.0
40	P2 (BPSK)	225	0	18.8	18.5	18.8	18.8		0.0
40	P2 (BPSK)	225	0	19.2	18.9	19.2	19.2		0.0
40	QPSK	1	100	19.3	19.2	19.2	19.2	10.1	0.0
40	QPSK	1	100	19.7	19.6	19.6	19.6		0.0
40	QPSK	100	0	19.8	19.5	19.8	19.8		0.0
40	QPSK	100	0	20.2	19.9	20.2	20.2		0.0
40	QPSK	100	0	20.6	20.3	20.6	20.6		0.0
40	QPSK	100	0	21.0	20.7	21.0	21.0		0.0
40	QPSK	100	0	21.4	21.1	21.4	21.4		0.0
40	QPSK	225	0	19.6	19.2	19.6	19.6		0.0
40	QPSK	225	0	20.0	19.7	20.0	20.0		0.0
40	QPSK	225	0	20.4	20.1	20.4	20.4		0.0
40	QPSK	225	0	20.8	20.5	20.8	20.8		0.0
40	QPSK	225	0	21.2	20.9	21.2	21.2		0.0
40	QPSK	225	0	21.6	21.3	21.6	21.6		0.0
40	QPSK	225	0	22.0	21.7	22.0	22.0		0.0
40	QPSK	225	0	22.4	22.1	22.4	22.4		0.0
40	QPSK	225	0	22.8	22.5	22.8	22.8		0.0
40	QPSK	225	0	23.2	22.9	23.2	23.2		0.0
40	QPSK	225	0	23.6	23.3	23.6	23.6		0.0
40	QPSK	225	0	24.0	23.7	24.0	24.0		0.0
40	QPSK	225	0	24.4	24.1	24.4	24.4		0.0
40	QPSK	225	0	24.8	24.5	24.8	24.8		0.0
40	QPSK	225	0	25.2	24.9	25.2	25.2		0.0
40	QPSK	225	0	25.6	25.3	25.6	25.6		0.0
40	QPSK	225	0	26.0	25.7	26.0	26.0		0.0
40	QPSK	225	0	26.4	26.1	26.4	26.4		0.0
40	QPSK	225	0	26.8	26.5	26.8	26.8		0.0
40	QPSK	225	0	27.2	26.9	27.2	27.2		0.0
40	QPSK	225	0	27.6	27.3	27.6	27.6		0.0
40	QPSK	225	0	28.0	27.7	28.0	28.0		0.0
40	QPSK	225	0	28.4	28.1	28.4	28.4		0.0
40	QPSK	225	0	28.8	28.5	28.8	28.8		0.0
40	QPSK	225	0	29.2	28.9	29.2	29.2		0.0
40	QPSK	225	0	29.6	29.3	29.6	29.6		0.0
40	QPSK	2							
30	P2 (BPSK)	100	0	14.0	13.6	14.0	14.0	Interp. and Filter	APR
30	P2 (BPSK)	100	0	17.58	17.45	17.58	17.58		0.0
30	P2 (BPSK)	100	0	18.0	17.8	18.0	18.0		0.0
30	P2 (BPSK)	100	0	18.5	18.3	18.5	18.5		0.0
30	P2 (BPSK)	100	0	19.0	18.7	19.0	19.0		0.0
30	P2 (BPSK)	100	0	19.5	19.2	19.5	19.5		0.0
30	P2 (BPSK)	100	0	20.0	19.7	20.0	20.0		0.0
30	P2 (BPSK)	100	0	20.5	20.2	20.5	20.5		0.0
30	P2 (BPSK)	100	0	21.0	20.7	21.0	21.0		0.0
30	P2 (BPSK)	100	0	21.5	21.2	21.5	21.5		0.0
30	P2 (BPSK)	100	0	22.0	21.7	22.0	22.0		0.0
30	P2 (BPSK)	100	0	22.5	22.2	22.5	22.5		0.0
30	P2 (BPSK)	100	0	23.0	22.7	23.0	23.0		0.0
30	P2 (BPSK)	100	0	23.5	23.2	23.5	23.5		0.0
30	P2 (BPSK)	100	0	24.0	23.7	24.0	24.0		0.0
30	P2 (BPSK)	100	0	24.5	24.2	24.5	24.5		0.0
30	P2 (BPSK)	100	0	25.0	24.7	25.0	25.0		0.0
30	P2 (BPSK)	100	0	25.5	25.2	25.5	25.5		0.0
30	P2 (BPSK)	100	0	26.0	25.7	26.0	26.0		0.0
30	P2 (BPSK)	100	0	26.5	26.2	26.5	26.5		0.0
30	P2 (BPSK)	100	0	27.0	26.7	27.0	27.0		0.0
30	P2 (BPSK)	100	0	27.5	27.2	27.5	27.5		0.0
30	P2 (BPSK)	100	0	28.0	27.7	28.0	28.0		0.0
30	P2 (BPSK)	100	0	28.5	28.2	28.5	28.5		0.0
30	P2 (BPSK)	100	0	29.0	28.7	29.0	29.0		0.0
30	P2 (BPSK)	100	0	29.5	29.2	29.5	29.5		0.0
30	P2 (BPSK)	100	0	30.0	29.7	30.0	30.0		0.0
30	P2 (BPSK)	100	0	30.5	30.2	30.5	30.5		0.0
30	P2 (BPSK)	100	0	31.0	30.7	31.0	31.0		0.0
30	P2 (BPSK)	100	0	31.5	31.2	31.5	31.5		0.0
30	P2 (BPSK)	100	0	32.0	31.7	32.0	32.0		0.0
30	P2 (BPSK)	100	0	32.5	32.2	32.5	32.5		0.0
30	P2 (BPSK)	100	0	33.0	32.7	33.0	33.0		0.0
30	P2 (BPSK)	100	0	33.5	33.2	33.5	33.5		0.0
30	P2 (BPSK)	100	0	34.0	33.7	34.0	34.0		0.0
30	P2 (BPSK)	100	0	34.5	34.2	34.5	34.5		0.0
30	P2 (BPSK)	100	0	35.0	34.7	35.0	35.0		0.0
30	P2 (BPSK)	100	0	35.5	35.2	35.5	35.5		0.0
30	P2 (BPSK)	100	0	36.0	35.7	36.0	36.0		0.0
30	P2 (BPSK)	100	0	36.5	36.2	36.5	36.5		0.0
30	P2 (BPSK)	100	0	37.0	36.7	37.0	37.0		0.0
30	P2 (BPSK)	100	0	37.5	37.2	37.5	37.5		0.0
30	P2 (BPSK)	100	0	38.0	37.7	38.0	38.0		0.0
30	P2 (BPSK)	100	0	38.5	38.2	38.5	38.5		0.0
30	P2 (BPSK)	100	0	39.0	38.7	39.0	39.0		0.0
30	P2 (BPSK)	100	0	39.5	39.2	39.5	39.5		0.0
30	P2 (BPSK)	100	0	40.0	39.7	40.0	40.0		0.0
30	P2 (BPSK)	100	0	40.5	40.2	40.5	40.5		0.0
30	P2 (BPSK)	100	0	41.0	40.7	41.0	41.0		0.0
30	P2 (BPSK)	100	0	41.5	41.2	41.5	41.5		0.0
30	P2 (BPSK)	100	0	42.0	41.7	42.0	42.0		0.0
30	P2 (BPSK)	100	0	42.5	42.2	42.5	42.5		0.0
30	P2 (BPSK)	100	0	43.0	42.7	43.0	43.0		0.0
30	P2 (BPSK)	100	0	43.5	43.2	43.5	43.5		0.0
30	P2 (BPSK)	100	0	44.0	43.7	44.0	44.0		0.0
30	P2 (BPSK)	100	0	44.5	44.2	44.5	44.5		0.0
30	P2 (BPSK)	100	0	45.0	44.7	45.0	45.0		0.0
30	P2 (BPSK)	100	0	45.5	45.2	45.5	45.5		0.0
30	P2 (BPSK)	100	0	46.0	45.7	46.0	46.0		0.0
30	P2 (BPSK)	100	0	46.5	46.2	46.5	46.5		0.0
30	P2 (BPSK)	100	0	47.0	46.7	47.0	47.0		0.0
30	P2 (BPSK)	100	0	47.5	47.2	47.5	47.5		0.0
30	P2 (BPSK)	100	0	48.0	47.7	48.0	48.0		0.0
30	P2 (BPSK)	100	0	48.5	48.2	48.5	48.5		0.0
30	P2 (BPSK)	100	0	49.0	48.7	49.0	49.0		0.0
30	P2 (BPSK)	100	0	49.5	49.2	49.5	49.5		0.0
30	P2 (BPSK)	100	0	50.0	49.7	50.0	50.0		0.0
30	P2 (BPSK)	100	0	50.5	50.2	50.5	50.5		0.0
30	P2 (BPSK)	100	0	51.0	50.7	51.0	51.0		0.0
30	P2 (BPSK)	100	0	51.5	51.2	51.5	51.5		0.0
30	P2 (BPSK)	100	0	52.0	51.7	52.0	52.0		0.0
30	P2 (BPSK)	100	0	52.5	52.2	52.5	52.5		0.0
30	P2 (BPSK)	100	0	53.0	52.7	53.0	53.0		0.0
30	P2 (BPSK)	100	0	53.5	53.2	53.5	53.5		0.0
30	P2 (BPSK)	100	0	54.0	53.7	54.0	54.0		0.0
30	P2 (BPSK)	100	0	54.5	54.2	54.5	54.5		0.0
30	P2 (BPSK)	100	0	55.0	54.7	55.0	55.0		0.0
30	P2 (BPSK)	100	0	55.5	55.2	55.5	55.5		0.0
30	P2 (BPSK)	100	0	56.0	55.7	56.0	56.0		0.0
30	P2 (BPSK)	100	0	56.5	56.2	56.5	56.5		0.0
30	P2 (BPSK)	100	0	57.0	56.7	57.0	57.0		0.0
30	P2 (BPSK)	100	0	57.5	57.2	57.5	57.5		0.0
30	P2 (BPSK)	100	0	58.0	57.7	58.0	58.0		0.0
30	P2 (BPSK)	100	0	58.5	58.2	58.5	58.5		0.0
30	P2 (BPSK)	100	0	59.0	58.7	59.0	59.0		0.0
30	P2 (BPSK)	100	0	59.5	59.2	59.5	59.5		0.0
30	P2 (BPSK)	100	0	60.0	59.7	60.0	60.0		0.0
30	P2 (BPSK)	100	0	60.5	60.2	60.5	60.5		0.0
30	P2 (BPSK)	100	0	61.0	60.7	61.0	61.0		0.0
30	P2 (BPSK)	100	0	61.5	61.2	61.5	61.5		0.0
30	P2 (BPSK)	100	0	62.0	61.7	62.0	62.0		0.0
30	P2 (BPSK)	100	0	62.5	62.2	62.5	62.5		0.0
30	P2 (BPSK)	100	0	63.0	62.7	63.0	63.0		0.0
30	P2 (BPSK)	100	0	63.5	63.2	63.5	63.5		0.0
30	P2 (BPSK)	100	0	64.0	63.7	64.0	64.0		0.0
30	P2 (BPSK)	100	0	64.5	64.2	64.5	64.5		0.0
30	P2 (BPSK)	100	0	65.0	64.7	65.0	65.0		0.0
30	P2 (BPSK)	100	0	65.5	65.2	65.5	65.5		0.0
30	P2 (BPSK)	100	0	66.0	65.7	66.0	66.0		0.0
30	P2 (BPSK)	100	0	66.5	66.2	66.5	66.5		0.0
30	P2 (BPSK)	100	0	67.0	66.7	67.0	67.0		0.0
30	P2 (BPSK)	100	0	67.5	67.2	67.5	67.5		0.0
30	P2 (BPSK)	100	0	68.0	67.7	68.0	68.0		0.0
30	P2 (BPSK)	100	0	68.5	68.2	68.5	68.5		0.0
30	P2 (BPSK)	100	0	69.0	68.7	69.0	69.0		0.0
30	P2 (BPSK)	100	0	69.5	69.2	69.5	69.5		0.0
30	P2 (BPSK)</								

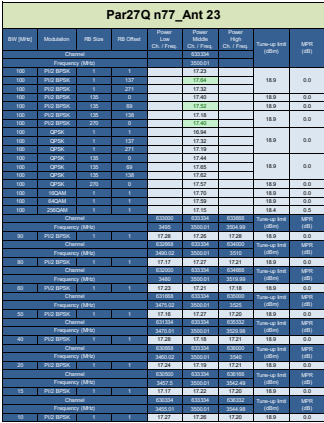
n66_AnT31								
RF (MHz)	Modulation	Ch. Size	RF Offset	Power dBm	Power Flux dBm	Power Flux dBm	Integration Time (s)	SNR (dB)
Frequency (MHz)								
40	[Pilot BPSK]	1	0	14.41	17.41	17.41	0.0	0.0
40	[Pilot BPSK]	1	100	12.24	15.24	15.24	10.0	0.0
40	[Pilot BPSK]	1	200	12.24	15.24	15.24	10.0	0.0
40	[Pilot BPSK]	100	0	13.76	16.87	16.87	10.0	0.0
40	[Pilot BPSK]	100	100	12.25	15.25	15.25	10.0	0.0
40	[Pilot BPSK]	100	200	12.25	15.25	15.25	10.0	0.0
40	[Pilot BPSK]	210	0	16.86	19.87	19.87	10.0	0.0
40	[Pilot BPSK]	210	100	14.41	17.41	17.41	10.0	0.0
40	[Pilot BPSK]	1	100	12.22	15.22	15.23	10.0	0.0
40	[Pilot BPSK]	1	200	12.22	15.22	15.23	10.0	0.0
40	[Pilot BPSK]	100	0	16.75	19.84	19.85	10.0	0.0
40	[Pilot BPSK]	100	100	15.53	18.53	18.53	10.0	0.0
40	[Pilot BPSK]	100	200	15.52	18.52	18.53	10.0	0.0
40	[Pilot BPSK]	210	0	18.88	21.88	21.87	10.0	0.0
40	[Pilot BPSK]	210	100	16.43	19.43	19.43	10.0	0.0
40	[Pilot BPSK]	1	1	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	2	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	3	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	4	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	5	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	6	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	7	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	8	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	9	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	10	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	11	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	12	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	13	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	14	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	15	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	16	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	17	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	18	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	19	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	20	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	21	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	22	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	23	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	24	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	25	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	26	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	27	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	28	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	29	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	30	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	31	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	32	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	33	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	34	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	35	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	36	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	37	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	38	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	39	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	40	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	41	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	42	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	43	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	44	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	45	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	46	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	47	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	48	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	49	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	50	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	51	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	52	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	53	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	54	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	55	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	56	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	57	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	58	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	59	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	60	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	61	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	62	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	63	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	64	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	65	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	66	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	67	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	68	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	69	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	70	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	71	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	72	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	73	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	74	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	75	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	76	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	77	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	78	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	79	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	80	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	81	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	82	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	83	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	84	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	85	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	86	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	87	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	88	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	89	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	90	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	91	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	92	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	93	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	94	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	95	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	96	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	97	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	98	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	99	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	100	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	101	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	102	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	103	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	104	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	105	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	106	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	107	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	108	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	109	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	110	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	111	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	112	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	113	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	114	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	115	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	116	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	117	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	118	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	119	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	120	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	121	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	122	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	123	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	124	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	125	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	126	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	127	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	128	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	129	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	130	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	131	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	132	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	133	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	134	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	135	15.15	18.16	18.04	10.0	0.0
40	[Pilot BPSK]	1	136	15.15	18.16			



n41_ANT_23									
Seq (bp)	Isolation	PGS Date	PGS Offset	Low Coverage	High Coverage	Mean Coverage	Age (years)	Mean Age (years)	MAF (%)
100	Frequency (Hz)			15.48	15.15	15.32			
100	PGS Error	1	1547	15.12	15.15	15.13	20.4	0.0	
100	Frequency (Hz)			15.48	15.15	15.32			
100	PGS Error	136	0	15.07	15.03	15.05	20.2	0.0	
100	Frequency (Hz)			15.48	15.15	15.32			
100	PGS Error	136	158	15.07	15.03	15.05	20.2	0.0	
100	Frequency (Hz)			15.48	15.15	15.32			
100	PGS Error	1	0	15.42	15.41	15.44			
100	Frequency (Hz)			15.48	15.15	15.32	20.2	0.0	
100	PGS Error	271	0	15.38	15.39	15.38			
100	Frequency (Hz)			15.48	15.15	15.32			
100	PGS Error	136	0	15.12	15.13	15.12	20.2	0.0	
100	Frequency (Hz)			15.48	15.15	15.32			
100	PGS Error	235	0	15.05	15.04	15.05	20.2	0.0	
100	Frequency (Hz)			15.48	15.15	15.32			
100	PGS Error	1	0	15.23	15.27	15.17	20.2	0.0	
100	Frequency (Hz)			15.48	15.15	15.32			
100	PGS Error	1	0	15.29	15.42	15.37	19.8	0.5	
100	Frequency (Hz)			15.48	15.15	15.32			
100	PGS Error	1	0	15.44	15.31	15.25	20.2	0.0	
100	Frequency (Hz)			15.48	15.15	15.32			
100	PGS Error	1	0	15.42	15.30	15.37	20.2	0.4	
100	Frequency (Hz)			15.48	15.15	15.32			
100	PGS Error	1	0	15.45	15.31	15.37	20.2	0.4	
100	Frequency (Hz)			15.48	15.15	15.32	20.4	0.0	
100	PGS Error	1	0	15.45	15.31	15.37	20.2	0.0	
100	Frequency (Hz)			15.48	15.15	15.32			
100	PGS Error	1	0	15.49	15.39	15.35	20.2	0.0	
100	Frequency (Hz)			15.48	15.15	15.32			
100	PGS Error	1	0	15.41	15.37	15.37	20.2	0.0	
100	Frequency (Hz)			15.48	15.15	15.32			
100	PGS Error	1	0	15.42	15.44	15.43	20.2	0.0	
100	Frequency (Hz)			15.48	15.15	15.32			
100	PGS Error	1	0	15.39	15.45	15.38	20.2	0.0	
100	Frequency (Hz)			15.48	15.15	15.32			
100	PGS Error	1	0	15.39	15.32	15.39	20.2	0.0	
100	Frequency (Hz)			15.48	15.15	15.32			
100	PGS Error	1	0	15.43	15.35	15.37	20.2	0.0	

[illegible]

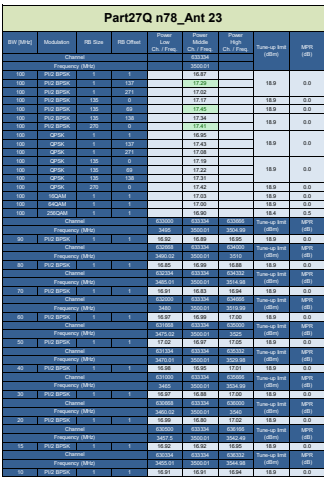
Par270 n77_Ant 13									
SR [MHz]	Modulation	Channel	FE Offset	Freq. Low	Freq. High	Power Min [dBm]	Power Max [dBm]	Mean Power [dBm]	Mean Power [dBm]
100	FSK (FSK1)	Frequency Channel		15.30	15.17	-10.26			
100	FSK (FSK2)	Channel	1	15.30	15.17	-10.26			17.8
100	FSK (FSK3)	Channel	2	15.30	15.17	-10.26			17.8
100	FSK (FSK4)	Channel	3	15.30	15.17	-10.26			17.8
100	FSK (FSK5)	Channel	4	15.30	15.17	-10.26			17.8
100	FSK (FSK6)	Channel	5	15.30	15.17	-10.26			17.8
100	FSK (FSK7)	Channel	6	15.30	15.17	-10.26			17.8
100	FSK (FSK8)	Channel	7	15.30	15.17	-10.26			17.8
100	FSK (FSK9)	Channel	8	15.30	15.17	-10.26			17.8
100	FSK (FSK10)	Channel	9	15.30	15.17	-10.26			17.8
100	FSK (FSK11)	Channel	10	15.30	15.17	-10.26			17.8
100	FSK (FSK12)	Channel	11	15.30	15.17	-10.26			17.8
100	FSK (FSK13)	Channel	12	15.30	15.17	-10.26			17.8
100	FSK (FSK14)	Channel	13	15.30	15.17	-10.26			17.8
100	FSK (FSK15)	Channel	14	15.30	15.17	-10.26			17.8
100	FSK (FSK16)	Channel	15	15.30	15.17	-10.26			17.8
100	FSK (FSK17)	Channel	16	15.30	15.17	-10.26			17.8
100	FSK (FSK18)	Channel	17	15.30	15.17	-10.26			17.8
100	FSK (FSK19)	Channel	18	15.30	15.17	-10.26			17.8
100	FSK (FSK20)	Channel	19	15.30	15.17	-10.26			17.8
100	FSK (FSK21)	Channel	20	15.30	15.17	-10.26			17.8
100	FSK (FSK22)	Channel	21	15.30	15.17	-10.26			17.8
100	FSK (FSK23)	Channel	22	15.30	15.17	-10.26			17.8
100	FSK (FSK24)	Channel	23	15.30	15.17	-10.26			17.8
100	FSK (FSK25)	Channel	24	15.30	15.17	-10.26			17.8
100	FSK (FSK26)	Channel	25	15.30	15.17	-10.26			17.8
100	FSK (FSK27)	Channel	26	15.30	15.17	-10.26			17.8
100	FSK (FSK28)	Channel	27	15.30	15.17	-10.26			17.8
100	FSK (FSK29)	Channel	28	15.30	15.17	-10.26			17.8
100	FSK (FSK30)	Channel	29	15.30	15.17	-10.26			17.8
100	FSK (FSK31)	Channel	30	15.30	15.17	-10.26			17.8
100	FSK (FSK32)	Channel	31	15.30	15.17	-10.26			17.8
100	FSK (FSK33)	Channel	32	15.30	15.17	-10.26			17.8
100	FSK (FSK34)	Channel	33	15.30	15.17	-10.26			17.8
100	FSK (FSK35)	Channel	34	15.30	15.17	-10.26			17.8
100	FSK (FSK36)	Channel	35	15.30	15.17	-10.26			17.8
100	FSK (FSK37)	Channel	36	15.30	15.17	-10.26			17.8
100	FSK (FSK38)	Channel	37	15.30	15.17	-10.26			17.8
100	FSK (FSK39)	Channel	38	15.30	15.17	-10.26			17.8
100	FSK (FSK40)	Channel	39	15.30	15.17	-10.26			17.8
100	FSK (FSK41)	Channel	40	15.30	15.17	-10.26			17.8



Par270 n77_Ant 23										
RF (MHz)	Modulation	Channel	RF Offset	RF Offset (MHz)	Low Noise Channel	Median Noise Floor (dBm)	Median Noise Floor (dBm)	Power Spectral Density (dBm/MHz)	Sampling Rate (MHz)	SNR (dB)
100	PSK 250K	1	0	17.13	17.14	17.10				
100	PSK 250K	1	0	17.13	17.10					
100	PSK 250K	1	0	17.17	17.13	17.11			10.0	0.0
100	PSK 250K	1	0	17.24	17.23					
100	PSK 250K	1	0	17.34	17.33	17.27			10.0	0.0
100	PSK 250K	1	0	17.44	17.43	17.37			10.0	0.0
100	PSK 250K	1	0	17.53	17.52	17.47			10.0	0.0
100	PSK 250K	1	0	17.63	17.62	17.57			10.0	0.0
100	PSK 250K	1	0	17.73	17.72	17.67			10.0	0.0
100	QPSK	1	0	17.80	17.79	17.78			10.0	0.0
100	QPSK	1	0	17.89	17.88	17.87			10.0	0.0
100	QPSK	1	0	17.99	17.97	17.96			10.0	0.0
100	QPSK	1	0	18.09	18.07	18.06			10.0	0.0
100	QPSK	1	0	18.19	18.17	18.16			10.0	0.0
100	QPSK	1	0	18.29	18.27	18.26			10.0	0.0
100	QPSK	1	0	18.39	18.37	18.36			10.0	0.0
100	QPSK	1	0	18.49	18.47	18.46			10.0	0.0
100	QPSK	1	0	18.59	18.57	18.56			10.0	0.0
100	QPSK	1	0	18.69	18.67	18.66			10.0	0.0
100	QPSK	1	0	18.79	18.77	18.76			10.0	0.0
100	QPSK	1	0	18.89	18.87	18.86			10.0	0.0
100	QPSK	1	0	18.99	18.97	18.96			10.0	0.0
100	QPSK	1	0	19.09	19.07	19.06			10.0	0.0
100	QPSK	1	0	19.19	19.17	19.16			10.0	0.0
100	QPSK	1	0	19.29	19.27	19.26			10.0	0.0
100	QPSK	1	0	19.39	19.37	19.36			10.0	0.0
100	QPSK	1	0	19.49	19.47	19.46			10.0	0.0
100	QPSK	1	0	19.59	19.57	19.56			10.0	0.0
100	QPSK	1	0	19.69	19.67	19.66			10.0	0.0
100	QPSK	1	0	19.79	19.77	19.76			10.0	0.0
100	QPSK	1	0	19.89	19.87	19.86			10.0	0.0
100	QPSK	1	0	19.99	19.97	19.96			10.0	0.0
100	QPSK	1	0	20.09	20.07	20.06			10.0	0.0
100	QPSK	1	0	20.19	20.17	20.16			10.0	0.0
100	QPSK	1	0	20.29	20.27	20.26			10.0	0.0
100	QPSK	1	0	20.39	20.37	20.36			10.0	0.0
100	QPSK	1	0	20.49	20.47	20.46			10.0	0.0
100	QPSK	1	0	20.59	20.57	20.56			10.0	0.0
100	QPSK	1	0	20.69	20.67	20.66			10.0	0.0

Part27Q n78_Ant_13										
Seq	APR	Substation	Relay Class	Rel Class	Rel Chnl	1 Year COP	5 Year COP	Phase Type, Freq.	Starting time sec	MR sec
100	PRG	PRG	PRG	PRG	1	15.48	15.48			
100	PRG	PRG	PRG	PRG	2	15.48	15.48		10.0	0.0
100	PRG	PRG	PRG	PRG	3	15.48	15.48		10.0	0.0
100	PRG	PRG	PRG	PRG	4	17.01	17.01		10.0	0.0
100	PRG	PRG	PRG	PRG	5	17.15	17.15		10.0	0.0
100	PRG	PRG	PRG	PRG	100	15.96	15.96		10.0	0.0
100	PRG	PRG	PRG	PRG	101	15.96	15.96		10.0	0.0
100	PRG	PRG	PRG	PRG	102	17.03	17.03		10.0	0.0
100	PRG	PRG	PRG	PRG	201	16.92	16.92		10.0	0.0
100	PRG	PRG	PRG	PRG	202	16.92	16.92		10.0	0.0
100	PRG	PRG	PRG	PRG	301	17.11	17.11		10.0	0.0
100	PRG	PRG	PRG	PRG	302	17.11	17.11		10.0	0.0
100	PRG	PRG	PRG	PRG	400	16.94	16.94		10.0	0.0
100	PRG	PRG	PRG	PRG	401	16.94	16.94		10.0	0.0
100	PRG	PRG	PRG	PRG	500	17.02	17.02		10.0	0.0
100	PRG	PRG	PRG	PRG	501	17.02	17.02		10.0	0.0
100	PRG	PRG	PRG	PRG	600	16.94	16.94		10.0	0.0
100	PRG	PRG	PRG	PRG	601	16.94	16.94		10.0	0.0
100	PRG	PRG	PRG	PRG	700	17.03	17.03		10.0	0.0
100	PRG	PRG	PRG	PRG	701	17.03	17.03		10.0	0.0
100	PRG	PRG	PRG	PRG	800	16.94	16.94		10.0	0.0
100	PRG	PRG	PRG	PRG	801	16.94	16.94		10.0	0.0
100	PRG	PRG	PRG	PRG	900	17.03	17.03		10.0	0.0
100	PRG	PRG	PRG	PRG	901	17.03	17.03		10.0	0.0
100	PRG	PRG	PRG	PRG	1000	16.94	16.94		10.0	0.0
100	PRG	PRG	PRG	PRG	1001	16.94	16.94		10.0	0.0
100	PRG	PRG	PRG	PRG	1100	17.03	17.03		10.0	0.0
100	PRG	PRG	PRG	PRG	1101	17.03	17.03		10.0	0.0
100	PRG	PRG	PRG	PRG	1200	16.94	16.94		10.0	0.0
100	PRG	PRG	PRG	PRG	1201	16.94	16.94		10.0	0.0
100	PRG	PRG	PRG	PRG	1300	17.03	17.03		10.0	0.0
100	PRG	PRG	PRG	PRG	1301	17.03	17.03		10.0	0.0
100	PRG	PRG	PRG	PRG	1400	16.94	16.94		10.0	0.0
100	PRG	PRG	PRG	PRG	1401	16.94	16.94		10.0	0.0
100	PRG	PRG	PRG	PRG	1500	17.03	17.03		10.0	0.0
100	PRG	PRG	PRG	PRG	1501	17.03	17.03		10.0	0.0
100	PRG	PRG	PRG	PRG	1600	16.94	16.94		10.0	0.0
100	PRG	PRG	PRG	PRG	1601	16.94	16.94		10.0	0.0
100	PRG	PRG								

[illegible]

[illegible][illegible]

Part270 n78_Ant 24									
SW [MHz]	Modulation	File Size	File Offset	File Type	File Size (Bytes)	File Name	File Size (Bytes)	From File Size (Bytes)	From File Size (Bytes)
Frequency (MHz)									
Channel									
100	PSK 16QAM	146	0	1	100	100	100	100	100
100	PSK 16QAM	146	1	101	101	101	101	101	101
100	PSK 16QAM	146	2	102	102	102	102	102	102
100	PSK 16QAM	146	3	103	103	103	103	103	103
100	PSK 16QAM	146	100	100	100	100	100	100	100
100	QPSK	0	0	1	0	0	0	0	0
100	QPSK	0	1	1	0	0	0	0	0
100	QPSK	0	201	1	0	0	0	0	0
100	QPSK	146	0	1	0	0	0	0	0
100	QPSK	146	1	1	0	0	0	0	0
100	QPSK	146	100	1	0	0	0	0	0
100	QPSK	146	201	1	0	0	0	0	0
100	QPSK	146	202	1	0	0	0	0	0
100	QPSK	146	203	1	0	0	0	0	0
100	QPSK	146	204	1	0	0	0	0	0
100	QPSK	146	205	1	0	0	0	0	0
100	QPSK	146	206	1	0	0	0	0	0
100	QPSK	146	207	1	0	0	0	0	0
100	QPSK	146	208	1	0	0	0	0	0
100	QPSK	146	209	1	0	0	0	0	0
100	QPSK	146	210	1	0	0	0	0	0
100	QPSK	146	211	1	0	0	0	0	0
100	QPSK	146	212	1	0	0	0	0	0
100	QPSK	146	213	1	0	0	0	0	0
100	QPSK	146	214	1	0	0	0	0	0
100	QPSK	146	215	1	0	0	0	0	0
100	QPSK	146	216	1	0	0	0	0	0
100	QPSK	146	217	1	0	0	0	0	0
100	QPSK	146	218	1	0	0	0	0	0
100	QPSK	146	219	1	0	0	0	0	0
100	QPSK	146	220	1	0	0	0	0	0
100	QPSK	146	221	1	0	0	0	0	0
100	QPSK	146	222	1	0	0	0	0	0
100	QPSK	146	223	1	0	0	0	0	0
100	QPSK	146	224	1	0	0	0	0	0
100	QPSK	146	225	1	0	0	0	0	0
100	QPSK	146	226	1	0	0	0	0	0
100	QPSK	146	227	1	0	0	0	0	0
100	QPSK	146	228	1	0	0	0	0	0
100	QPSK	146	229	1	0	0	0	0	0
100	QPSK	146	230	1	0	0	0	0	0
100	QPSK	146	231	1	0	0	0	0	0
100	QPSK	146	232	1	0	0	0	0	0
100	QPSK	146	233	1	0	0	0	0	0
100	QPSK	146	234	1	0	0	0	0	0
100	QPSK	146	235	1	0	0	0	0	0
100	QPSK	146	236	1	0	0	0	0	0
100	QPSK	146	237	1	0	0	0	0	0
100	QPSK	146	238	1	0	0	0	0	0
100	QPSK	146	239	1	0	0	0	0	0
100	QPSK	146	240	1	0	0	0	0	0
100	QPSK	146	241	1	0	0	0	0	0
100	QPSK	1							

Part27Q_n7_Ant_101									
Ref (MHz)	Subband	Channel	FE (MHz)	FE Type	Co. / Tx	Power	Power Spectral Density	Interfering Signal	MPE (dB)
		Frequency (MHz)				dBm	dBm/Hz		
100	P12 (B7BPSK)	1	0		15.55				
100	P12 (B7BPSK)	1	271		15.55			215	0.0
100	P12 (B7BPSK)	1	271		15.55				
100	P12 (B7BPSK)	120	0		15.55			215	0.0
100	P12 (B7BPSK)	120	271		15.55			215	0.0
100	P12 (B7BPSK)	120	136		15.55			215	0.0
100	P12 (B7BPSK)	210	0		15.55			215	0.0
100	GPFS	1	0		15.52				
100	GPFS	1	271		15.52			215	0.0
100	GPFS	1	271		15.52				
100	GPFS	120	0		15.52			215	0.0
100	GPFS	120	271		15.52			215	0.0
100	GPFS	120	136		15.52			215	0.0
100	GPFS	210	0		15.52			215	0.0
100	GPFS	210	271		15.52			215	0.0
100	GPFS	210	136		15.52			215	0.0
100	GPFS	210	0		15.52			215	0.0
100	GPFS	210	271		15.52			215	0.0
100	GPFS	210	136		15.52			215	0.0
100	GPFS	210	0		15.52			215	0.0
100	GPFS	210	271		15.52			215	0.0
100	GPFS	210	136		15.52			215	0.0
100	GPFS	210	0		15.52			215	0.0
100	GPFS	210	271		15.52			215	0.0
100	GPFS	210	136		15.52			215	0.0
100	GPFS	210	0		15.52			215	0.0
100	GPFS	210	271		15.52			215	0.0
100	GPFS	210	136		15.52			215	0.0
100	GPFS	210	0		15.52			215	0.0
100	GPFS	210	271		15.52			215	0.0
100	GPFS	210	136		15.52			215	0.0
100	GPFS	210	0		15.52			215	0.0
100	GPFS	210	271		15.52			215	0.0
100	GPFS	210	136		15.52			215	0.0
100	GPFS	210	0		15.52			215	0.0
100	GPFS	210	271		15.52			215	0.0
100	GPFS	210	136		15.52			215	0.0
100	GPFS	210	0		15.52			215	0.0
100	GPFS	210	271		15.52			215	0.0
100	GPFS	210	136		15.52			215	0.0
100	GPFS	210	0		15.52			215	0.0
100	GPFS	210	271		15.52			215	0.0
100	GPFS	210	136		15.52			215	0.0
100	GPFS	210	0		15.52			215	0.0
100	GPFS	210	271		15.52			215	0.0
100	GPFS	210	136		15.52			215	0.0
100	GPFS	210	0		15.52			215	0.0
100	GPFS	210	271		15.52			215	0.0
100	GPFS	210	136		15.52			215	0.0
100	GPFS	210	0		15.52			215	0.0
100	GPFS	210	271		15.52			215	0.0
100	GPFS	210	136		15.52			215	0.0
100	GPFS	210	0		15.52			215	0.0
100	GPFS	210	271		15.52			215	0.0
100	GPFS	210	136		15.52			215	0.0
100	GPFS	210	0		15.52			215	0.0
100	GPFS	210	271		15.52			215	0.0
100	GPFS	210	136		15.52			215	0.0
100	GPFS	210	0		15.52			215	0.0
100	GPFS	210	271		15.52			215	0.0
100	GPFS	210	136		15.52			215	0.0
100	GPFS	210	0		15.52			215	0.0
100	GPFS	210	271		15.52			215	0.0
100	GPFS	210	136		15.52			215	0.0
100	GPFS	210	0		15.52			215	0.0
100	GPFS	210	271		15.52			215	0.0
100	GPFS	210	136		15.52			215	0.0
100	GPFS	210	0		15.52			215	0.0
100	GPFS	210	271		15.52			215	0.0
100	GPFS	210	136		15.52			215	0.0
100	GPFS	210	0		15.52			215	0.0
100	GPFS	210	271		15.52			215	0.0
100	GPFS	210	136		15.52			215	0.0
100	GPFS	210	0		15.52			215	0.0
100	GPFS	210	271		15.52			215	0.0
100	GPFS	210	136		15.52			215	0.0
100	GPFS	210	0		15.52			215	0.0
100	GPFS	210	271		15.52			215	0.0
100	GPFS	210	136		15.52			215	0.0
100	GPFS	210	0		15.52			215	0.0
100	GPFS	210	271		15.52			215	0.0
100	GPFS	210	136		15.52			215	0.0
100	GPFS	210	0		15.52			215	0.0
100	GPFS	210	271		15.52			215	0.0
100	GPFS	210	136		15.52			215	0.0
100	GPFS	210	0		15.52			215	0.0
100	GPFS	210	271		15.52			215	0.0
100	GPFS	210	136		15.52			215	0.0
100	GPFS	210	0		15.52			215	0.0
100	GPFS	210	271		15.52			215	0.0
100	GPFS	210	136		15.52			215	0.0
100	GPFS	210	0		15.52			215	0.0
100	GPFS	210	271		15.52			215	0.0
100	GPFS	210	136		15.52			215	0.0
100	GPFS	210	0		15.52			215	0.0
100	GPFS	210	271		15.52			215	0.0
100	GPFS	210	136		15.52			215	0.0
100	GPFS	210	0		15.52			215	0.0
100	GPFS	210	271		15.52			215	0.0
100	GPFS	210	136		15.52			215	0.0
100	GPFS	210	0		15.52			215	0.0
100	GPFS	210	271		15.52			215	0.0
100	GPFS	210	136		15.52			215	0.0
100	GPFS	210	0		15.52			215	0.0
100	GPFS	210	271		15.52			215	0.0
100	GPFS	210	136		15.52			215	0.0
100	GPFS	210	0		15.52			215	0.0
100	GPFS	210	271		15.52			215	0.0
100	GPFS	210	136		15.52			215	0.0
100	GPFS	210	0		15.52			215	0.0
100	GPFS	210	271		15.52			215	0.0
100	GPFS	210	136		15.52			215	0.0
100	GPFS	210	0		15.52			215	0.0
100	GPFS	210	271		15.52			215	0.0
100	GPFS	210	136		15.52			215	0.0
100	GPFS	210	0		15.52			215	0.0
100	GPFS	210	271		15.52			215	0.0
100	GPFS	210	136		15.52			215	0.0
100	GPFS	210	0		15.52			215	0.0
100	GPFS	210	271		15.52			215	0.0
100	GPFS	210	136		15.52			215	0.0
100	GPFS	210	0		15.52			215	0.0
100	GPFS	210	271		15.52			215	0.0
100	GPFS	210	136		15.52			215	0.0
100	GPFS	210	0		15.52			215	0.0
100	GPFS	210	271		15.52			215	0.0
100	GPFS	210	136		15.52			215	0.0
100	GPFS	210	0		15.52			215	0.0
100	GPFS	210	271		15.52			215	0.0
100	GPFS	210	136		15.52			215	0.0
100	GPFS	210	0		15.52			215	0.0
100	GPFS	210	271		15.52			215	0.0
100	GPFS	210	136		15.52			215	0.0
100	GPFS	210	0		15.52			215	0.0
100	GPFS	210	271		15.52			215	0.0
100	GPFS	210	136		15.52			215	0.0
100	GPFS	210	0		15.52			215	0.0
100	GPFS	210	271		15.52			215	0.0
100	GPFS	210	136		15.52			215	0.0
100	GPFS	210	0		15.52			215	0.0
100	GPFS	210	271		15.52			215	0.0
100	GPFS	210	136		15.52			215	0.0
100	GPFS	210	0		15.52			215	0.0
100	GPFS	210	271		15.52			215	0.0
100	GPFS	210	136		15.52			215	0.0
100	GPFS	210	0		15.52			215	0.0
100	GPFS	210	271		15.52			215	0.0
100	GPFS	210	136		15.52			215	0.0
100	GPFS	210	0		15.52			215	0.0
100	GPFS	210	271		15.52			215	0.0
100	GPFS	210	136		15.52			215	0.0
100	GPFS	210	0		15.52			215	0.0
100	GPFS	210	271		15.52			215	0.0
100	GPFS	210	136		15.52			215	0.0
100	GPFS	210	0		15.52			215	0.0
100	GPFS	210	271		15.52			215	0.0
100	GPFS	210	136		15.52			215	0.0
100	GPFS	210	0		15.52			215	0.0
100	GPFS	210	271		15.52			215	0.0
100	GPFS	210	136		15.52			215	0.0
100	GPFS	210	0		15.52			215	0.0
100	GPFS	210	271		15.52			215	0.0
100	GPFS	210	136		15.52			215	0.0
100	GPFS	210	0		15.52			215	0.0
100	GPFS	210	271		15.52			215	0.0
100	GPFS	210	136		15.52			215	0.0
100	GPFS	210	0		15.52			215	0.0
100	GPFS	210	271		15.52			215	0.0
100	GPFS	210	136		15.52			215	0.0

[illegible]

DSI 7 Power

n2_Ant14								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000		
20	Frequency (MHz)			1800	1800	1800		
20	PI2 BPSK	1	1	21.80	21.70	21.80		
20	PI2 BPSK	1	53	21.96	22.12	22.11	23.2	0.0
20	PI2 BPSK	1	104	21.92	21.85	22.01		
20	PI2 BPSK	50	0	21.91	21.95	21.43	22.7	0.5
20	PI2 BPSK	50	28	21.92	21.98	21.90	23.2	0.0
20	PI2 BPSK	50	56	21.47	21.91	21.98		
20	PI2 BPSK	100	0	21.98	21.45	21.43	22.7	0.5
20	QPSK	1	1	21.83	21.74	21.79		
20	QPSK	1	53	21.93	21.98	22.02	23.2	0.0
20	QPSK	1	104	21.88	21.82	21.90		
20	QPSK	50	0	20.79	20.85	20.88	22.2	1.0
20	QPSK	50	28	21.91	21.91	21.85	23.2	0.0
20	QPSK	50	56	20.92	20.83	20.89		
20	QPSK	100	0	20.85	20.80	20.84	22.2	1.0
20	16QAM	1	1	20.52	20.49	20.43	22.2	1.0
20	64QAM	1	1	19.07	19.06	19.11	20.7	2.5
20	256QAM	1	1	17.70	17.58	17.62	18.7	4.5
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR
15	PI2 BPSK	1	1	21.80	21.80	21.92.5	23.2	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1805	1880	1905		
10	PI2 BPSK	1	1	21.80	21.85	21.97	23.2	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1862.5	1880	1807.5		
5	PI2 BPSK	1	1	22.00	21.85	22.00	23.2	0.0

n7_Ant14								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2302	2305	2305		
50	PI2 BPSK	1	1	23.01	22.99	22.98		
50	PI2 BPSK	1	135	23.28	23.35	23.32	24.7	0.0
50	PI2 BPSK	1	268	23.07	23.09	23.33		
50	PI2 BPSK	135	0	22.77	22.86	22.80	24.2	0.5
50	PI2 BPSK	135	69	23.15	23.22	23.20	24.7	0.0
50	PI2 BPSK	135	135	22.87	22.75	22.91	24.2	0.5
50	PI2 BPSK	270	0	22.70	22.80	22.75		
50	QPSK	1	1	22.94	22.92	22.94		
50	QPSK	1	135	23.19	23.19	23.22	24.7	0.0
50	QPSK	1	268	23.03	23.11	23.28		
50	QPSK	135	0	22.15	22.15	22.31	23.7	1.0
50	QPSK	135	68	23.31	23.20	23.30	24.7	0.0
50	QPSK	135	135	22.16	22.17	22.32	23.7	1.0
50	QPSK	270	0	22.16	22.18	22.30		
50	16QAM	1	1	21.73	21.70	21.72	23.7	1.0
50	64QAM	1	1	20.34	20.45	20.40	22.2	2.5
50	256QAM	1	1	18.97	19.04	18.97	20.2	4.5
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2302	2305	2305		
40	PI2 BPSK	1	1	23.05	22.81	23.02	24.7	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2515	2535	2555		
30	PI2 BPSK	1	1	23.03	22.84	22.87	24.7	0.0
Channel				502000	507000	511500	Tune-up limit (dBm)	MPR
Frequency (MHz)				2512.5	2535	2557.5		
25	PI2 BPSK	1	1	23.04	22.84	23.01	24.7	0.0
Channel				501000	507000	512000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	23.06	22.86	23.03	24.7	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR
Frequency (MHz)				2507.5	2535	2562.5		
15	PI2 BPSK	1	1	23.09	22.80	23.08	24.2	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2505	2535	2565		
10	PI2 BPSK	1	1	23.04	22.84	23.01	24.7	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR
Frequency (MHz)				2502.5	2535	2567.5		
5	PI2 BPSK	1	1	23.00	22.80	22.97	24.7	0.0

n66_Ant14								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1725	1725	1730		
40	PI2 BPSK	1	1	19.58	19.64	19.75		
40	PI2 BPSK	1	108	20.21	20.20	20.25	21.3	0.0
40	PI2 BPSK	1	214	19.75	19.82	19.79		
40	PI2 BPSK	108	0	19.67	20.13	20.09	21.3	0.0
40	PI2 BPSK	108	54	19.87	20.20	20.13	21.3	0.0
40	PI2 BPSK	108	108	20.01	20.17	20.17	21.3	0.0
40	PI2 BPSK	216	0	20.14	20.18	20.11		
40	QPSK	1	1	19.57	19.72	19.69		
40	QPSK	1	108	20.16	20.26	20.26	21.3	0.0
40	QPSK	1	214	19.59	19.74	19.72		
40	QPSK	108	0	20.06	20.12	19.99	21.3	0.0
40	QPSK	108	54	20.14	20.24	20.14	21.3	0.0
40	QPSK	108	108	20.06	20.14	20.08	21.3	0.0
40	QPSK	216	0	19.96	20.17	20.17		
40	16QAM	1	1	19.25	19.47	19.36	20.8	0.5
40	64QAM	1	1	18.15	18.15	18.10	20.3	1.0
40	256QAM	1	1	17.51	17.59	17.55	18.8	2.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1725	1725	1730		
30	PI2 BPSK	1	1	19.66	19.85	19.72	21.3	0.0
Channel				344000	349000	353500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1722.5	1745	1767.5		
25	PI2 BPSK	1	1	19.72	19.70	19.73	21.3	0.0
Channel				343000	349000	354000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1719	1745	1780		
20	PI2 BPSK	1	1	19.81	19.86	19.87	21.3	0.0
Channel				342000	349000	354500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1717.5	1745	1772.5		
15	PI2 BPSK	1	1	19.67	19.79	19.73	20.8	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1714	1745	1775		
10	PI2 BPSK	1	1	19.83	19.81	19.89	21.3	0.0
Channel				342000	349000	355500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1712.5	1745	1777.5		
5	PI2 BPSK	1	1	19.70	19.84	19.76	21.3	0.0



n41_ANT 12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				2546.01	2592.99	2640			
Frequency (MHz)				22.41	22.31	22.24			
100	PB2 BPSK	1	1	22.41	22.31	22.24		24.3	0.0
100	PB2 BPSK	1	137	23.12	23.18	23.13			
100	PB2 BPSK	1	271	22.48	22.42	22.45			
100	PB2 BPSK	135	0	22.56	22.50	22.43	23.8	0.5	0.5
100	PB2 BPSK	135	69	23.10	23.15	23.10	24.3		
100	PB2 BPSK	135	138	22.51	22.50	22.47	23.8		
100	PB2 BPSK	270	0	22.57	22.59	22.45		23.8	0.5
100	QPSK	1	1	22.40	22.38	22.25			
100	QPSK	1	137	23.10	23.06	23.11	24.3		
100	QPSK	1	271	22.42	22.50	22.45		24.3	0.0
100	QPSK	135	0	22.43	22.39	22.44			
100	QPSK	135	69	23.06	23.11	23.15			
100	QPSK	135	138	22.30	22.35	22.40		24.3	1.0
100	QPSK	270	0	22.05	22.01	21.95	23.3		
100	16QAM	1	1	21.66	21.65	21.60	23.3	1.0	1.0
100	64QAM	1	1	18.71	18.66	18.65	21.8		
100	256QAM	1	1	18.25	18.42	18.31	19.8		
Channel				504294	518998	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	PB2 BPSK	1	1	22.52	22.49	22.35	24.3	0.0	0.0
Channel				507294	518998	529998	Tune-up limit (dBm)		
Frequency (MHz)				2636.02	2592.99	2649.99			
80	PB2 BPSK	1	1	22.50	22.33	22.33	24.3	0.0	0.0
Channel				505250	518998	531998	Tune-up limit (dBm)		
Frequency (MHz)				2528	2592.99	2658.98			
60	PB2 BPSK	1	1	22.54	22.41	22.37	24.3	0.0	0.0
Channel				504294	518998	532998	Tune-up limit (dBm)		
Frequency (MHz)				2651.02	2592.99	2664.98			
50	PB2 BPSK	1	1	22.49	22.48	22.32	24.3	0.0	0.0
Channel				503292	518998	534000	Tune-up limit (dBm)		
Frequency (MHz)				2618.01	2592.99	2674.98			
40	PB2 BPSK	1	1	22.45	22.49	22.31	24.3	0.0	0.0
Channel				502290	518998	534996	Tune-up limit (dBm)		
Frequency (MHz)				2511	2592.99	2674.98			
30	PB2 BPSK	1	1	22.43	22.37	22.20	24.3	0.0	0.0
Channel				501294	518998	535998	Tune-up limit (dBm)		
Frequency (MHz)				2606.02	2592.99	2679.99			
20	PB2 BPSK	1	1	22.54	22.48	22.37	24.3	0.0	0.0
Channel				500290	518998	536996	Tune-up limit (dBm)		
Frequency (MHz)				2603.5	2592.99	2682.48			
15	PB2 BPSK	1	1	22.59	22.46	22.42	24.3	0.0	0.0
Channel				500002	518998	537000	Tune-up limit (dBm)		
Frequency (MHz)				2601.01	2592.99	2684			
10	PB2 BPSK	1	1	22.54	22.50	22.37	24.3	0.0	0.0

Par27Q n77_Ant 13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334	3500.01				
Frequency (MHz)									
100	PB2 BPSK	1	1	20.91	21.78		22.3	0.0	0.0
100	PB2 BPSK	1	137		21.02				
100	PB2 BPSK	1	271		21.60				
100	PB2 BPSK	135	0	21.70			22.3	0.0	0.0
100	PB2 BPSK	135	69		21.45				
100	PB2 BPSK	135	138		21.54		22.3		
100	PB2 BPSK	270	0	20.88				22.3	0.0
100	QPSK	1	1	21.62					
100	QPSK	1	137		21.02				
100	QPSK	135	0	21.56			22.3	0.0	0.0
100	QPSK	135	69	21.73					
100	QPSK	135	138	21.48					
100	QPSK	270	0	21.57			22.3	0.0	0.0
100	16QAM	1	1	20.69			22.3		
100	64QAM	1	1	20.76			21.8		
100	256QAM	1	1	21.33			19.8	2.5	2.5
Channel				633000	633334	633668	Tune-up limit (dBm)		
Frequency (MHz)				3495	3500.01	3504.99			
90	PB2 BPSK	1	1	20.88	20.84	20.82	22.3	0.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)		
Frequency (MHz)				3480.02	3500.01	3510			
80	PB2 BPSK	1	1	20.87	20.77	20.77	22.3	0.0	0.0
Channel				632000	633334	634666	Tune-up limit (dBm)		
Frequency (MHz)				3480	3500.01	3519.99			
60	PB2 BPSK	1	1	20.94	20.86	20.71	22.3	0.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)		
Frequency (MHz)				3475.02	3500.01	3505			
50	PB2 BPSK	1	1	20.90	20.78	20.71	22.3	0.0	0.0
Channel				631334	633334	635332	Tune-up limit (dBm)		
Frequency (MHz)				3470.01	3500.01	3524.98			
40	PB2 BPSK	1	1	20.87	20.83	20.74	22.3	0.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)		
Frequency (MHz)				3460.02	3500.01	3540			
20	PB2 BPSK	1	1	20.85	20.83	20.82	22.3	0.0	0.0
Channel				630500	633334	636166	Tune-up limit (dBm)		
Frequency (MHz)				3457.5	3500.01	3542.48			
15	PB2 BPSK	1	1	20.84	20.88	20.71	22.3	0.0	0.0
Channel				630334	633334	636332	Tune-up limit (dBm)		
Frequency (MHz)				3455.01	3500.01	3544.88			
10	PB2 BPSK	1	1	20.83	20.91	20.73	22.3	0.0	0.0

Par270 n77_Ant 13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				656000	656000	656000			
Frequency (MHz)				3790	3840	3930			
100	PB2 BPSK	1	1	20.88	20.65	20.77	22.3	0.0	0.0
100	PB2 BPSK	1	137	21.82	21.52	21.66			
100	PB2 BPSK	1	271	21.10	20.96	20.97			
100	PB2 BPSK	135	0	21.42	21.21	21.37	22.3	0.0	0.0
100	PB2 BPSK	135	69	21.64	21.51	21.50	22.3		
100	PB2 BPSK	135	138	21.47	21.41	21.35	22.3		
100	PB2 BPSK	270	0	21.47	21.32	21.33		22.3	0.0
100	QPSK	1	1	20.72	20.66	20.62			
100	QPSK	1	137	21.63	20.62	21.00	22.3		
100	QPSK	1	271	20.53	20.54	20.70		22.3	0.0
100	QPSK	135	0	21.43	21.25	21.33			
100	QPSK	135	69	21.64	21.47	21.53	22.3		
100	QPSK	135	138	21.47	21.37	21.38	22.3	0.0	0.0
100	QPSK	270	0	21.44	21.27	21.32	22.3		
100	16QAM	1	1	20.51	20.34	20.38	22.3	0.0	0.0
100	64QAM	1	1	20.56	20.42	20.46	21.8		
100	256QAM	1	1	21.14	21.02	21.05	19.8		
Channel				649668	656000	662332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3934.98			
90	PB2 BPSK	1	1	20.85	20.68	20.69	22.3	0.0	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)		
Frequency (MHz)				3740.01	3840	3939.99			
80	PB2 BPSK	1	1	20.91	20.91	20.68	22.3	0.0	0.0
Channel				648998	656000	663132	Tune-up limit (dBm)		
Frequency (MHz)				3730.02	3840	3949.98			
60	PB2 BPSK	1	1	20.90	20.92	20.63	22.3	0.0	0.0
Channel				648334	656000	663666	Tune-up limit (dBm)		
Frequency (MHz)				3725.01	3840	3954.99			
50	PB2 BPSK	1	1	20.88	20.86	20.60	22.3	0.0	0.0
Channel				647998	656000	664132	Tune-up limit (dBm)		
Frequency (MHz)				3720.01	3840	3969.99			
40	PB2 BPSK	1	1	20.84	20.89	20.60	22.3	0.0	0.0
Channel				647234	656000	664866	Tune-up limit (dBm)		
Frequency (MHz)				3710.01	3840	3969.99			
20	PB2 BPSK	1	1	20.86	20.93	20.67	22.3	0.0	0.0
Channel				647196	656000	664842	Tune-up limit (dBm)		
Frequency (MHz)				3707.82	3840	3972.88			
15	PB2 BPSK	1	1	20.84	20.85	20.69	22.3	0.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)		
Frequency (MHz)				3704	3840	3974			
10	PB2 BPSK	1	1	20.88	20.85	20.69	22.3	0.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)		



Part27Q n78_Ant 13								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dbm)	MPR (dB)
Channel				633334	3000.01			
Frequency (MHz)								
100	PI2 BPSK	1	1		20.89			
100	PI2 BPSK	1	137		21.73		22.5	0.0
100	PI2 BPSK	1	271		21.06			
100	PI2 BPSK	135	0		21.52		22.5	0.0
100	PI2 BPSK	135	69		21.42		22.5	0.0
100	PI2 BPSK	135	138		21.50		22.5	0.0
100	PI2 BPSK	270	0		21.58			
100	QPSK	1	1		20.84			
100	QPSK	1	137		21.64		22.5	0.0
100	QPSK	1	271		21.03			
100	QPSK	135	0		21.46			
100	QPSK	135	69		21.66		22.5	0.0
100	QPSK	135	138		21.43			
100	QPSK	270	0		21.48		22.5	0.0
100	16QAM	1	1		20.85		22.5	0.0
100	64QAM	1	1		20.71		22.0	0.5
100	256QAM	1	1		21.29		20.0	2.5
Channel				633000	633334	633666	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				3495	3000.01	3004.98		
90	PI2 BPSK	1	1		20.97	20.80	20.89	22.5 0.0
Channel				632668	633334	634000	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				3460.02	3000.01	3010		
80	PI2 BPSK	1	1		20.94	20.90	20.87	22.5 0.0
Channel				633334	633334	633333	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				3465.01	3000.01	3014.98		
70	PI2 BPSK	1	1		20.83	20.99	20.92	22.5 0.0
Channel				632000	633334	634666	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				3460	3000.01	3018.99		
60	PI2 BPSK	1	1		20.89	21.01	20.81	22.5 0.0
Channel				631668	633334	635000	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				3435.02	3000.01	3020		
50	PI2 BPSK	1	1		20.92	20.93	20.91	22.5 0.0
Channel				631334	633334	635332	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				3470.01	3000.01	3029.98		
40	PI2 BPSK	1	1		20.80	20.90	20.88	22.5 0.0
Channel				631000	633334	635666	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				3465	3000.01	3034.99		
30	PI2 BPSK	1	1		20.86	20.89	20.85	22.5 0.0
Channel				630668	633334	636000	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				3460.02	3000.01	3040		
20	PI2 BPSK	1	1		20.89	20.86	20.86	22.5 0.0
Channel				630000	633334	636366	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				3452.5	3000.01	3042.49		
15	PI2 BPSK	1	1		20.82	20.91	20.81	22.5 0.0
Channel				630334	633334	636332	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				3455.01	3000.01	3044.98		
10	PI2 BPSK	1	1		20.96	20.95	20.90	22.5 0.0

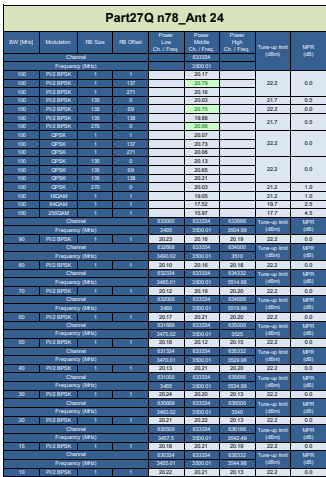
Part27O n78_Ant 13								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dbm)	MPR (dB)
Channel					3750			
Frequency (MHz)								
100	PI2 BPSK	1	1		20.68			
100	PI2 BPSK	1	137		21.45		22.5	0.0
100	PI2 BPSK	1	271		20.82			
100	PI2 BPSK	135	0		21.24		22.5	0.0
100	PI2 BPSK	135	69		21.42		22.5	0.0
100	PI2 BPSK	135	138		21.27		22.5	0.0
100	PI2 BPSK	270	0		21.29			
100	QPSK	1	1		20.66			
100	QPSK	1	137		21.45		22.5	0.0
100	QPSK	1	271		20.78			
100	QPSK	135	0		21.27			
100	QPSK	135	69		21.43		22.5	0.0
100	QPSK	135	138		21.28			
100	QPSK	270	0		21.31		22.5	0.0
100	16QAM	1	1		20.42		22.5	0.0
100	64QAM	1	1		20.46		22.0	0.5
100	256QAM	1	1		21.02		20.0	2.5
Channel				649668	650000	650332	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI2 BPSK	1	1		20.77	20.72	20.78	22.5 0.0
Channel				649334	650000	650666	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3756.99		
80	PI2 BPSK	1	1		20.68	20.70	20.77	22.5 0.0
Channel				649000	650000	651000	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	PI2 BPSK	1	1		20.62	20.68	20.61	22.5 0.0
Channel				648668	650000	651332	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3760.98		
60	PI2 BPSK	1	1		20.71	20.62	20.77	22.5 0.0
Channel				648334	650000	651666	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3764.99		
50	PI2 BPSK	1	1		20.75	20.69	20.74	22.5 0.0
Channel				648000	650000	652000	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	PI2 BPSK	1	1		20.67	20.69	20.64	22.5 0.0
Channel				647668	650000	652332	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				3715.02	3750.00	3764.98		
30	PI2 BPSK	1	1		20.62	20.62	20.61	22.5 0.0
Channel				647334	650000	652666	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3769.99		
20	PI2 BPSK	1	1		20.63	20.60	20.76	22.5 0.0
Channel				647000	650000	652932	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				3702.53	3750	3762.48		
15	PI2 BPSK	1	1		20.69	20.61	20.83	22.5 0.0
Channel				647000	650000	653000	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				3705	3750	3765		
10	PI2 BPSK	1	1		20.64	20.74	20.76	22.5 0.0

Part27Q n78_Ant 13									
Site (MHz)	Modulation	Channel	FE Offset	Power (dBm)	Power Spectral Density (dBm/Hz)	Power Spectral Density (dBm/Hz)	Power Spectral Density (dBm/Hz)	Power Spectral Density (dBm/Hz)	Power Spectral Density (dBm/Hz)
Site (MHz)	Modulation	Channel	FE Offset	Power (dBm)	Power Spectral Density (dBm/Hz)	Power Spectral Density (dBm/Hz)	Power Spectral Density (dBm/Hz)	Power Spectral Density (dBm/Hz)	Power Spectral Density (dBm/Hz)
100	PB (PSK)	1	0	22.81					
100	PB (PSK)	1	130	22.81				24.1	0.0
100	PB (PSK)	1	260	22.81					
100	PB (PSK)	1	390	22.81				24.1	0.0
100	PB (PSK)	1	520	22.81					
100	PB (PSK)	1	650	22.81				24.1	0.0
100	QPSK	1	0	22.77					
100	QPSK	1	130	22.77				24.0	0.0
100	QPSK	1	260	22.77					
100	QPSK	1	390	22.77				24.0	0.0
100	QPSK	1	520	22.77					
100	QPSK	1	650	22.77				24.0	0.0
100	QPSK	1	780	22.77					
100	QPSK	1	910	22.77				24.0	0.0
100	QPSK	1	1040	22.77					
100	QPSK	1	1170	22.77				24.0	0.0
100	QPSK	1	1300	22.77					
100	QPSK	1	1430	22.77				24.0	0.0
100	QPSK	1	1560	22.77					
100	QPSK	1	1690	22.77				24.0	0.0
100	QPSK	1	1820	22.77					
100	QPSK	1	1950	22.77				24.0	0.0
100	QPSK	1	2080	22.77					
100	QPSK	1	2210	22.77				24.0	0.0
100	QPSK	1	2340	22.77					
100	QPSK	1	2470	22.77				24.0	0.0
100	QPSK	1	2600	22.77					
100	QPSK	1	2730	22.77				24.0	0.0
100	QPSK	1	2860	22.77					
100	QPSK	1	2990	22.77				24.0	0.0
100	QPSK	1	3120	22.77					
100	QPSK	1	3250	22.77				24.0	0.0
100	QPSK	1	3380	22.77					
100	QPSK	1	3510	22.77				24.0	0.0
100	QPSK	1	3640	22.77					
100	QPSK	1	3770	22.77				24.0	0.0
100	QPSK	1	3900	22.77					
100	QPSK	1	4030	22.77				24.0	0.0
100	QPSK	1	4160	22.77					
100	QPSK	1	4290	22.77				24.0	0.0
100	QPSK	1	4420	22.77					
100	QPSK	1	4550	22.77				24.0	0.0
100	QPSK	1	4680	22.77					
100	QPSK	1	4810	22.77				24.0	0.0
100	QPSK	1	4940	22.77					
100	QPSK	1	5070	22.77				24.0	0.0
100	QPSK	1	5200	22.77					
100	QPSK	1	5330	22.77				24.0	0.0
100	QPSK	1	5460	22.77					
100	QPSK	1	5590	22.77				24.0	0.0
100	QPSK	1	5720	22.77					
100	QPSK	1	5850	22.77				24.0	0.0
100	QPSK	1	5980	22.77					
100	QPSK	1	6110	22.77				24.0	0.0
100	QPSK	1	6240	22.77					
100	QPSK	1	6370	22.77				24.0	0.0
100	QPSK	1	6500	22.77					
100	QPSK	1	6630	22.77				24.0	0.0
100	QPSK	1	6760	22.77					
100	QPSK	1	6890	22.77				24.0	0.0
100	QPSK	1	7020	22.77					
100	QPSK	1	7150	22.77				24.0	0.0
100	QPSK	1	7280	22.77					
100	QPSK	1	7410	22.77				24.0	0.0
100	QPSK	1	7540	22.77					
100	QPSK	1	7670	22.77				24.0	0.0
100	QPSK	1	7800	22.77					
100	QPSK	1	7930	22.77				24.0	0.0
100	QPSK	1	8060	22.77					
100	QPSK	1	8190	22.77				24.0	0.0
100	QPSK	1	8320	22.77					
100	QPSK	1	8450	22.77				24.0	0.0
100	QPSK	1	8580	22.77					
100	QPSK	1	8710	22.77				24.0	0.0
100	QPSK	1	8840	22.77					
100	QPSK	1	8970	22.77				24.0	0.0
100	QPSK	1	9100	22.77					
100	QPSK	1	9230	22.77				24.0	0.0
100	QPSK	1	9360	22.77					
100	QPSK	1	9490	22.77				24.0	0.0
100	QPSK	1	9620	22.77					
100	QPSK	1	9750	22.77				24.0	0.0
100	QPSK	1	9880	22.77					
100	QPSK	1	10010	22.77				24.0	0.0
100	QPSK	1	10140	22.77					
100	QPSK	1	10270	22.77				24.0	0.0
100	QPSK	1	10400	22.77					
100	QPSK	1	10530	22.77				24.0	0.0
100	QPSK	1	10660	22.77					
100	QPSK	1	10790	22.77				24.0	0.0
100	QPSK	1	10920	22.77					
100	QPSK	1	11050	22.77				24.0	0.0
100	QPSK	1	11180	22.77					
100	QPSK	1	11310	22.77				24.0	0.0
100	QPSK	1	11440	22.77					
100	QPSK	1	11570	22.77				24.0	0.0
100	QPSK	1	11700	22.77					
100	QPSK	1	11830	22.77				24.0	0.0
100	QPSK	1	11960	22.77					
100	QPSK	1	12090	22.77				24.0	0.0
100	QPSK	1	12220	22.77					
100	QPSK	1	12350	22.77				24.0	0.0
100	QPSK	1	12480	22.77					
100	QPSK	1	12610	22.77				24.0	0.0
100	QPSK	1	12740	22.77					
100	QPSK	1	12870	22.77				24.0	0.0
100	QPSK	1	13000	22.77					
100	QPSK	1	13130	22.77				24.0	0.0
100	QPSK	1	13260	22.77					
100	QPSK	1	13390	22.77				24.0	0.0
100	QPSK	1	13520	22.77					
100	QPSK	1	13650	22.77				24.0	0.0
100	QPSK	1	13780	22.77					
100	QPSK	1	13910	22.77				24.0	0.0
100	QPSK	1	14040	22.77					
100	QPSK	1	14170	22.77				24.0	0.0
100	QPSK	1	14300	22.77					
100	QPSK	1	14430	22.77				24.0	0.0
100	QPSK	1	14560	22.77					
100	QPSK	1	14690	22.77				24.0	0.0
100	QPSK	1	14820	22.77					
100	QPSK	1	14950	22.77				24.0	0.0
100	QPSK	1	15080	22.77					
100	QPSK	1	15210	22.77				24.0	0.0
100	QPSK	1	15340	22.77					
100	QPSK	1	15470	22.77				24.0	0.0
100	QPSK	1	15600	22.77					
100	QPSK	1	15730	22.77				24.0	0.0
100	QPSK	1	15860	22.77					
100	QPSK	1	15990	22.77				24.0	0.0
100	QPSK	1	16120	22.77					
100	QPSK	1	16250	22.77				24.0	0.0
100	QPSK	1	16380	22.77					
100	QPSK	1	16510	22.77				24.0	0.0
100	QPSK	1	16640	22.77					
100	QPSK	1	16770	22.77				24.0	0.0
100	QPSK	1	16900	22.77					
100	QPSK	1	17030	22.77				24.0	0.0
100	QPSK	1	17160	22.77					
100	QPSK	1	17290	22.77				24.0	0.0
100	QPSK	1	17420	22.77					
100	QPSK	1	17550	22.77				24.0	0.0
100	QPSK	1	17680	22.77					
100	QPSK	1	17810	22.77				24.0	0.0
100	QPSK	1	17940	22.77					
100	QPSK	1	18070	22.77				24.0	0.0
100	QPSK	1	18200	22.77					
100	QPSK	1	18330	22.77				24.0	0.0
100	QPSK	1	18460	22.77					
100	QPSK	1	18590	22.77				24.0	0.0
100	QPSK	1	18720	22.77					
100	QPSK	1	18850	22.77				24.0	0.0
100	QPSK	1	18980	22.77					
100	QPSK	1	19110	22.77				24.0	0.0
100	QPSK	1	19240	22.77					
100	QPSK	1	19370	22.77				24.0	0.0
100	QPSK	1	19500	22.77					
100	QPSK	1	19630	22.77				24.0	0.0
100	QPSK	1	19760	22.77					
100	QPSK	1	19890	22.77				24.0	0.0
100	QPSK	1	20020	22.77					
100	QPSK	1	20150	22.77				24.0	0.0
100	QPSK	1	20280	22.77					
100	QPSK	1	20410	22.77				24.0	0.0
100	QPSK	1	20540	22.77					
100	QPSK	1	20670	22.77				24.0	0.0
100	QPSK	1	20800	22.77					
100	QPSK	1	20930	22.77				24.0	0.0
100	QPSK	1	21060	22.77					
100	QPSK	1	21190	22.77				24.0	0.0
100	QPSK	1	21320	22.77					
100	QPSK	1	21450	22.77				24.0	0.0
100	QPSK	1	21580	22.77					
100	QPSK	1	21710	22					

Part270 n78_Ant 13									
Site (MHz)	Subcarrier	Channel	FE Offset	Power (mW)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)
Site (MHz)	Subcarrier	Channel	FE Offset	Power (mW)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)
100	PR1 BPF1	1	0	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	100	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	200	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	300	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	400	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	500	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	600	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	700	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	800	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	900	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	1000	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	1100	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	1200	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	1300	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	1400	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	1500	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	1600	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	1700	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	1800	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	1900	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	2000	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	2100	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	2200	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	2300	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	2400	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	2500	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	2600	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	2700	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	2800	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	2900	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	3000	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	3100	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	3200	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	3300	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	3400	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	3500	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	3600	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	3700	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	3800	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	3900	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	4000	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	4100	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	4200	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	4300	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	4400	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	4500	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	4600	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	4700	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	4800	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	4900	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	5000	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	5100	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	5200	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	5300	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	5400	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	5500	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	5600	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	5700	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	5800	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	5900	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	6000	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	6100	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	6200	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	6300	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	6400	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	6500	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	6600	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	6700	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	6800	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	6900	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	7000	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	7100	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	7200	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	7300	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	7400	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	7500	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	7600	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	7700	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	7800	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	7900	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	8000	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	8100	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	8200	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	8300	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	8400	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	8500	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	8600	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	8700	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	8800	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	8900	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	9000	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	9100	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	9200	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	9300	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	9400	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	9500	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	9600	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	9700	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	9800	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	9900	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	10000	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	10100	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	10200	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	10300	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	10400	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	10500	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	10600	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	10700	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	10800	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	10900	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	11000	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	11100	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	11200	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	11300	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	11400	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	11500	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	11600	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	11700	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	11800	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	11900	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	12000	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	12100	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	12200	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	12300	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	12400	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	12500	1000	29.99	29.99	29.99	29.99	29.99
100	PR1 BPF1	1	12600	1000	29.99	29.99	29.99		

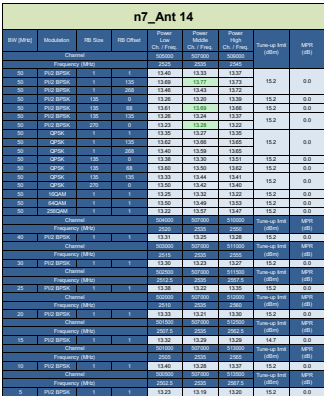
[illegible]

Part270 n78_Ant_23									
Seq [MHz]	Subcarrier	File Size	File Offset	Time Type (min)	Time Start (min)	Time End (min)	Frame Count (frames)	Video Rate (FPS)	Audio Rate (kHz)
Frequency (MHz)									
100	PIC BPMS1	1	107	0	00:32			22.0	0.0
100	PIC BPMS1	1	107	0	01:12			22.0	0.0
100	PIC BPMS1	1	107	0	01:52			22.0	0.0
100	PIC BPMS1	1	107	0	02:32			22.0	0.0
100	PIC BPMS1	1	107	0	03:12			22.0	0.0
100	PIC BPMS1	1	107	0	03:52			22.0	0.0
100	PIC BPMS1	1	107	0	04:32			22.0	0.0
100	CPMS1	1	0	0	00:02			22.0	0.0
100	CPMS1	1	0	0	01:07			22.0	0.0
100	CPMS1	1	0	0	02:03			22.0	0.0
100	CPMS1	1	0	0	03:03			22.0	0.0
100	CPMS1	1	0	0	04:03			22.0	0.0
100	CPMS1	1	0	0	05:03			22.0	0.0
100	CPMS1	1	0	0	06:03			22.0	0.0
100	CPMS1	1	0	0	07:03			22.0	0.0
100	CPMS1	1	0	0	08:03			22.0	0.0
100	CPMS1	1	0	0	09:03			22.0	0.0
100	CPMS1	1	0	0	10:03			22.0	0.0
100	CPMS1	1	0	0	11:03			22.0	0.0
100	CPMS1	1	0	0	12:03			22.0	0.0
100	CPMS1	1	0	0	13:03			22.0	0.0
100	CPMS1	1	0	0	14:03			22.0	0.0
100	CPMS1	1	0	0	15:03			22.0	0.0
100	CPMS1	1	0	0	16:03			22.0	0.0
100	CPMS1	1	0	0	17:03			22.0	0.0
100	CPMS1	1	0	0	18:03			22.0	0.0
100	CPMS1	1	0	0	19:03			22.0	0.0
100	CPMS1	1	0	0	20:03			22.0	0.0
100	CPMS1	1	0	0	21:03			22.0	0.0
100	CPMS1	1	0	0	22:03			22.0	0.0
100	CPMS1	1	0	0	23:03			22.0	0.0
100	CPMS1	1	0	0	00:03			22.0	0.0
100	CPMS1	1	0	0	01:03			22.0	0.0
100	CPMS1	1	0	0	02:03			22.0	0.0
100	CPMS1	1	0	0	03:03			22.0	0.0
100	CPMS1	1	0	0	04:03			22.0	0.0
100	CPMS1	1	0	0	05:03			22.0	0.0
100	CPMS1	1	0	0	06:03			22.0	0.0
100	CPMS1	1	0	0	07:03			22.0	0.0
100	CPMS1	1	0	0	08:03			22.0	0.0
100	CPMS1	1	0	0	09:03			22.0	0.0
100	CPMS1	1	0	0	10:03			22.0	0.0
100	CPMS1	1	0	0	11:03			22.0	0.0
100	CPMS1	1	0	0	12:03			22.0	0.0
100	CPMS1	1	0	0	13:03			22.0	0.0
100	CPMS1	1	0	0	14:03			22.0	0.0
100	CPMS1	1	0	0	15:03			22.0	0.0
100	CPMS1	1	0	0	16:03			22.0	0.0
100	CPMS1	1	0	0	17:03			22.0	0.0
100	CPMS1	1	0	0	18:03			22.0	0.0
100	CPMS1	1	0	0	19:03			22.0	0.0
100	CPMS1	1	0	0	20:03			22.0	0.0
100	CPMS1	1	0	0	21:03			22.0	0.0
100	CPMS1	1	0	0	22:03			22.0	0.0
100	CPMS1	1	0	0	23:03			22.0	0.0
100	CPMS1	1	0	0	00:03			22.0	0.0
100	CPMS1	1	0	0	01:03			22.0	0.0
100	CPMS1	1	0	0	02:03			22.0	0.0
100	CPMS1	1	0	0	03:03			22.0	0.0
100	CPMS1	1	0	0	04:03			22.0	0.0
100	CPMS1	1	0	0	05:03			22.0	0.0
100	CPMS1	1	0	0	06:03			22.0	0.0
100	CPMS1	1	0	0	07:03			22.0	0.0
100	CPMS1	1	0	0	08:03			22.0	0.0
100	CPMS1	1	0	0	09:03			22.0	0.0
100	CPMS1	1	0	0	10:03			22.0	0.0
100	CPMS1	1	0	0	11:03			22.0	0.0
100	CPMS1	1	0	0	12:03			22.0	0.0
100	CPMS1	1	0	0	13:03			22.0	0.0
100	CPMS1	1	0	0	14:03			22.0	0.0
100	CPMS1	1	0	0	15:03			22.0	0.0
100	CPMS1	1	0	0	16:03			22.0	0.0
100	CPMS1	1	0	0	17:03			22.0	0.0
100	CPMS1	1	0	0	18:03			22.0	0.0
100	CPMS1	1	0	0	19:03			22.0	0.0
100	CPMS1	1	0	0	20:03			22.0	0.0
100	CPMS1	1	0	0	21:03			22.0	0.0
100	CPMS1	1	0	0	22:03			22.0	0.0
100	CPMS1	1	0	0	23:03			22.0	0.0
100	CPMS1	1	0	0	00:03			22.0	0.0
100	CPMS1	1	0	0	01:03			22.0	0.0
100	CPMS1	1	0	0	02:03			22.0	0.0
100	CPMS1	1	0	0	03:03			22.0	0.0
100	CPMS1	1	0	0	04:03			22.0	0.0
100	CPMS1	1	0	0	05:03			22.0	0.0
100	CPMS1	1	0	0	06:03			22.0	0.0
100	CPMS1	1	0	0	07:03			22.0	0.0
100	CPMS1	1	0	0	08:03			22.0	0.0
100	CPMS1	1	0	0	09:03			22.0	0.0
100	CPMS1	1	0	0	10:03			22.0	0.0
100	CPMS1	1	0	0	11:03			22.0	0.0
100	CPMS1	1	0	0	12:03			22.0	0.0
100	CPMS1	1	0	0	13:03			22.0	0.0
100	CPMS1	1	0	0	14:03			22.0	0.0
100	CPMS1	1	0	0	15:03			22.0	0.0
100	CPMS1	1	0	0	16:03			22.0	0.0
100	CPMS1	1	0	0	17:03			22.0	0.0
100	CPMS1	1	0	0	18:03			22.0	0.0
100	CPMS1	1	0	0	19:03			22.0	0.0
100	CPMS1	1	0	0	20:03			22.0	0.0
100	CPMS1	1	0	0	21:03			22.0	0.0
100	CPMS1	1	0	0	22:03			22.0	0.0
100	CPMS1	1	0	0	23:03			22.0	0.0
100	CPMS1	1	0	0	00:03			22.0	0.0
100	CPMS1	1	0	0	01:03			22.0	0.0
100	CPMS1	1	0	0	02:03			22.0	0.0
100	CPMS1	1	0	0	03:03			22.0	0.0
100	CPMS1	1	0	0	04:03			22.0	0.0
100	CPMS1	1	0	0	05:03			22.0	0.0
100	CPMS1	1	0	0	06:03			22.0	0.0
100	CPMS1	1	0	0	07:03			22.0	0.0
100	CPMS1	1	0	0	08:03			22.0	0.0
100	CPMS1	1	0	0	09:03			22.0	0.0
100	CPMS1	1	0	0	10:03			22.0	0.0
100	CPMS1	1	0	0	11:03			22.0	0.0
100	CPMS1	1	0	0	12:03			22.0	0.0
100	CPMS1	1	0	0	13:03			22.0	0.0
100	CPMS1	1	0	0	14:03			22.0	0.0
100	CPMS1	1	0	0	15:03			22.0	0.0
100	CPMS1	1	0	0	16:03			22.0	0.0
100	CPMS1	1	0	0	17:03			22.0	0.0
100	CPMS1	1	0	0	18:03			22.0	0.0
100	CPMS1	1	0	0	19:03			22.0	0.0
100	CPMS1	1	0	0	20:03			22.0	0.0
100	CPMS1	1	0	0	21:03			22.0	0.0
100	CPMS1	1	0	0	22:03			22.0	0.0
100	CPMS1	1	0	0	23:03			22.0	0.0
100	CPMS1	1	0	0	00:03			22.0	0.0
100	CPMS1	1	0	0	01:03			22.0	0.0
100	CPMS1	1	0	0	02:03			22.0	0.0
100	CPMS1	1	0	0	03:03			22.0	0.0
100	CPMS1	1	0	0	04:03			22.0	0.0
100	CPMS1	1	0	0	05:03			22.0	0.0
100	CPMS1	1	0	0	06:03			22.0	0.0
100	CPMS1	1	0	0	07:03			22.0	0.0
100	CPMS1	1	0	0	08:03			22.0	0.0
100	CPMS1	1	0	0	09:03			22.0	0.0
100	CPMS1	1	0	0	10:03			22.0	0.0
100	CPMS1	1	0	0	11:03			22.0	0.0
100	CPMS1	1	0	0	12:03			22.0	0.0
100	CPMS1	1	0	0	13:03			22.0	0.0
100	CPMS1	1	0	0	14:03			22.0	0.0
100	CPMS1	1	0	0	15:03			22.0	0.0
100	CPMS1	1	0	0	16:03			22.0	0.0
100	CPMS1	1	0	0	17:03			22.0	0.0
100	CPMS1	1	0	0	18:03			22.0	0.0
100	CPMS1	1	0	0	19:03			22.0	0.0
100	CPMS1	1	0	0	20:03			22.0	0.0
100	CPMS1	1	0	0	21:03			22.0	0.0
100	CPMS1	1	0	0	22:03			22.0	0.0
100	CPMS1	1	0	0	23:03			22.0	0.0
100	CPMS1	1	0	0	00:03			22.0	0.0
100	CPMS1	1	0	0	01:03			22.0	0.0
100	CPMS1	1	0	0	02:03			22.0	0.0
100	CPMS1	1	0	0	03:03			22.0	0.0
100	CPMS1	1	0	0	04:03			22.0	0.0
100	CPMS1	1	0	0	05:03			22.0	0.0
100	CPMS1	1	0	0	06:03			22.0	0.0
100	CPMS1	1	0	0	07:03			22.0	0.0
100	CPMS1	1	0	0	08:03			22.0	0.0
100	CPMS1	1	0	0	09:03			22.0	0.0
100	CPMS1	1	0	0	10:03			22.0	0.0
100	CPMS1	1	0	0	11:03			22.0	0.0
100	CPMS1	1	0	0	12:03			22.0	0.0
100	CPMS1	1	0	0	13:03			22.0	0.0
100	CPMS1	1	0	0	14:03			22.0	0.0
100	CPMS1	1	0	0	15:03			22.0	0.0
100	CPMS1	1	0	0	16:0				



Part270 n78 Ant 24									
SW [MHz]	Subband	FSI Size	FSI Offset	FSI Type	FSI Len. [MHz]	Max. Rate [MHz]	Max. Rate [MHz]	Power [dBm]	FSI [dBm]
100	Frequency [MHz]		1		0.011				
100	FSI offset	1	100					22.2	0.0
100	FSI offset	100	200					22.2	0.0
100	FSI offset	100	300			0.018		22.2	0.0
100	FSI offset	100	400			0.025		22.2	0.0
100	FSI offset	100	500			0.046		21.7	0.5
100	FSI offset	1	600			0.008			
100	FSI offset	1	700			0.013		22.2	0.0
100	FSI offset	1	800			0.013			
100	FSI offset	100	900			0.022		22.2	0.0
100	FSI offset	100	1000			0.033		22.2	0.0
100	FSI offset	100	1100			0.033		21.0	1.0
100	FSI offset	100	1200			0.042		21.0	1.0
100	FSI offset	100	1300			0.050		20.5	1.5
100	FSI offset	100	1400			0.050		20.5	1.5
100	FSI offset	100	1500			0.060		19.7	4.5
100	Frequency [MHz]		1	FSI offset	0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	1600		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	1700		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	1800		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	1900		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	2000		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	2100		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	2200		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	2300		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	2400		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	2500		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	2600		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	2700		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	2800		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	2900		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	3000		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	3100		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	3200		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	3300		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	3400		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	3500		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	3600		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	3700		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	3800		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	3900		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	4000		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	4100		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	4200		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	4300		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	4400		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	4500		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	4600		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	4700		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	4800		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	4900		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	5000		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	5100		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	5200		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	5300		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	5400		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	5500		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	5600		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	5700		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	5800		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	5900		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	6000		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	6100		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	6200		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	6300		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	6400		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	6500		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	6600		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	6700		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	6800		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	6900		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	7000		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	7100		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	7200		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	7300		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	7400		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	7500		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	7600		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	7700		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	7800		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	7900		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	8000		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	8100		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	8200		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	8300		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	8400		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	8500		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	8600		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	8700		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	8800		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	8900		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	9000		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	9100		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	9200		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	9300		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	9400		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	9500		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	9600		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	9700		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	9800		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	9900		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	10000		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	10100		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	10200		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	10300		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	10400		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	10500		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	10600		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	10700		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	10800		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	10900		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	11000		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	11100		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	11200		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	11300		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	11400		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	11500		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	11600		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	11700		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	11800		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	11900		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	12000		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	12100		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	12200		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	12300		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	12400		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	12500		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	12600		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	12700		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	12800		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	12900		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	13000		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	13100		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	13200		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	13300		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	13400		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	13500		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	13600		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	13700		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	13800		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	13900		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	14000		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	14100		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	14200		0.000	0.000	0.000	22.2	0.0
100	FSI offset	1	14300		0.000	0.000	0.		

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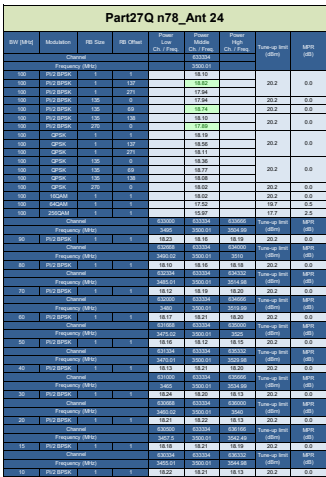


Part27Q n78_Ant 13									
EV (MHz)	Modulation	RB Size	RB Offset	Power Limit CL / Pmax	Power Actual CL / Pmax	Power High CL / Pmax	Turn-up time (sec)	MFR (dB)	
Channel									
Frequency (MHz)									
160	P12-BPSK	1	1		14.81			16.0	0.0
160	P12-BPSK	1	127		15.51				
160	P12-BPSK	1	251		16.20			16.0	0.0
160	P12-BPSK	150	0		15.52				
160	P12-BPSK	150	60		15.52			16.0	0.0
160	P12-BPSK	250	0		15.27			16.0	0.0
160	QPSK	1	1		14.80				
160	QPSK	1	127		15.43			16.0	0.0
160	QPSK	1	251		15.87				
160	QPSK	150	0		15.42			16.0	0.0
160	QPSK	150	60		15.50				
160	QPSK	250	0		15.42			16.0	0.0
160	4QAM	1	1		14.79			16.0	0.0
160	4QAM	1	1		14.80			16.0	0.0
160	25QAM	1	1		14.80			16.0	0.0
Channel									
Frequency (MHz)									
90	P12-BPSK	1	1		14.71	14.58	14.50	16.0	0.0
Channel									
Frequency (MHz)									
90	P12-BPSK	1	1		14.58	14.51	14.48	16.0	0.0
Channel									
Frequency (MHz)									
70	P12-BPSK	1	1		14.54	14.72	14.70	16.0	0.0
Channel									
Frequency (MHz)									
60	P12-BPSK	1	1		14.71	14.64	14.60	16.0	0.0
Channel									
Frequency (MHz)									
40	P12-BPSK	1	1		14.58	14.60	14.50	16.0	0.0
Channel									
Frequency (MHz)									
30	P12-BPSK	1	1		14.70	14.60	14.50	16.0	0.0
Channel									
Frequency (MHz)									
20	P12-BPSK	1	1		14.60	14.74	14.70	16.0	0.0
Channel									
Frequency (MHz)									
10	P12-BPSK	1	1		14.80	14.64	14.60	16.0	0.0
Channel									
Frequency (MHz)									
0	P12-BPSK	1	1		14.70	14.58	14.50	16.0	0.0

Part27O n78_Ant 13									
EV (MHz)	Modulation	RB Size	RB Offset	Power Limit CL / Pmax	Power Actual CL / Pmax	Power High CL / Pmax	Turnup time (sec)	MFR (dB)	
Channel									
Frequency (MHz)									
160	P12-BPSK	1	1		14.77			16.0	0.0
160	P12-BPSK	1	127		14.74				
160	P12-BPSK	1	251		14.79			16.0	0.0
160	P12-BPSK	150	0		15.27				
160	P12-BPSK	150	60		15.25			16.0	0.0
160	P12-BPSK	250	0		15.25			16.0	0.0
160	QPSK	1	1		14.74				
160	QPSK	1	127		14.80			16.0	0.0
160	QPSK	1	251		14.80				
160	QPSK	150	0		14.80			16.0	0.0
160	QPSK	150	60		15.22				
160	QPSK	250	0		15.20			16.0	0.0
160	4QAM	1	1		14.74			16.0	0.0
160	4QAM	1	1		14.79			16.0	0.0
160	25QAM	1	1		14.80			16.0	0.0
Channel									
Frequency (MHz)									
90	P12-BPSK	1	1		14.79	14.64	14.60	16.0	0.0
Channel									
Frequency (MHz)									
90	P12-BPSK	1	1		14.74	14.62	14.61	16.0	0.0
Channel									
Frequency (MHz)									
70	P12-BPSK	1	1		14.72	14.61	14.57	16.0	0.0
Channel									
Frequency (MHz)									
60	P12-BPSK	1	1		14.60	14.69	14.60	16.0	0.0
Channel									
Frequency (MHz)									
40	P12-BPSK	1	1		14.70	14.74	14.74	16.0	0.0
Channel									
Frequency (MHz)									
30	P12-BPSK	1	1		14.74	14.60	14.50	16.0	0.0
Channel									
Frequency (MHz)									
20	P12-BPSK	1	1		14.60	14.74	14.70	16.0	0.0
Channel									
Frequency (MHz)									
10	P12-BPSK	1	1		14.77	14.61	14.60	16.0	0.0
Channel									
Frequency (MHz)									
0	P12-BPSK	1	1		14.74	14.77	14.70	16.0	0.0

Part27Q n78_Ant 23									
EV (MHz)	Modulation	RB Size	RB Offset	Power Limit CL / Pmax	Power Actual CL / Pmax	Power High CL / Pmax	Turnup time (sec)	MFR (dB)	
Channel									
Frequency (MHz)									
160	P12-BPSK	1	1		14.83			16.0	0.0
160	P12-BPSK	1	127		15.51				
160	P12-BPSK	1	251		14.98			16.0	0.0
160	P12-BPSK	150	0		15.71				
160	P12-BPSK	150	60		15.20			16.0	0.0
160	P12-BPSK	250	0		15.20			16.0	0.0
160	QPSK	1	1		14.74				
160	QPSK	1	127		15.20			16.0	0.0
160	QPSK	1	251		14.96				
160	QPSK	150	0		15.17			16.0	0.0
160	QPSK	150	60		14.87				
160	QPSK	250	0		15.20			16.0	0.0
160	4QAM	1	1		14.78			16.0	0.0
160	4QAM	1	1		14.80			16.0	0.0
160	25QAM	1	1		14.80			16.0	0.0
Channel									
Frequency (MHz)									
90	P12-BPSK	1	1		14.80	14.60	14.60	16.0	0.0
Channel									
Frequency (MHz)									
90	P12-BPSK	1	1		14.74	14.67	14.67	16.0	0.0
Channel									
Frequency (MHz)									
70	P12-BPSK	1	1		14.80	14.87	14.87	16.0	0.0
Channel									
Frequency (MHz)									
60	P12-BPSK	1	1		14.81	14.77	14.60	16.0	0.0
Channel									
Frequency (MHz)									
40	P12-BPSK	1	1		14.70	14.69	14.74	16.0	0.0
Channel									
Frequency (MHz)									
30	P12-BPSK	1	1		14.74	14.60	14.50	16.0	0.0
Channel									
Frequency (MHz)									
20	P12-BPSK	1	1		14.60	14.60	14.60	16.0	0.0
Channel									
Frequency (MHz)									
10	P12-BPSK	1	1		14.80	14.60	14.60	16.0	0.0
Channel									
Frequency (MHz)									
0	P12-BPSK	1	1		14.74	14.60	14.60	16.0	0.0

Part27O n78_Ant 23									
EV (MHz)	Modulation	RB Size	RB Offset	Power Limit CL / Pmax	Power Actual CL / Pmax	Power High CL / Pmax	Turn-up time (sec)	MFR (dB)	
Channel									
Frequency (MHz)									
160	P12-BPSK	1	1		14.80			16.0	0.0
160	P12-BPSK	1	127		15.00			16.0	0.0
160	P12-BPSK	128	66		15.00			16.0	0.0
160	P12-BPSK	128	128		15.20			16.0	0.0
160	QPSK	1	1		14.60			16.0	0.0
160	QPSK	1	127		14.70			16.0	0.0
160	QPSK	128	66		15.17			16.0	0.0
160	QPSK	128	128		15.37			16.0	0.0
160	QPSK	256	66		15.52			16.0	0.0
160	QPSK	256	128		15.55			16.0	0.0
160	QPSK	512	66		15.60			16.0	0.0
160	QPSK	512	128		15.68			16.0	0.0
160	QPSK	1024	66		15.80			16.0	0.0
160	QPSK	1024	128		15.85			16.0	0.0
160	QPSK	2048	66		16.00			16.0	0.0
160	QPSK	2048	128		16.00			16.0	0.0
160	QPSK	4096	66		16.00			16.0	0.0
160	QPSK	4096	128		16.00			16.0	0.0
160	QPSK	8192	66		16.00			16.0	0.0
160	QPSK	8192	128		16.00			16.0	0.0
160	QPSK	16384	66		16.00			16.0	0.0
160	QPSK	16384	128		16.00			16.0	0.0
80	P12-BPSK	1	1		14.86	14.86	14.93	16.0	0.0
80	P12-BPSK	1	127		15.06	15.06	15.13	16.0	0.0
80	P12-BPSK	128	66		15.06	15.06	15.13	16.0	0.0
80	P12-BPSK	128	128		15.26	15.26	15.33	16.0	0.0
80	P12-BPSK	1	1		14.76	14.76	14.87	16.0	0.0
80	P12-BPSK	1	127		14.96	14.96	15.07	16.0	0.0
80	P12-BPSK	128	66		14.96	14.96	15.07	16.0	0.0
80	P12-BPSK	128	128		15.16	15.16	15.27	16.0	0.0
80	P12-BPSK	1	1		14.86	14.76	14.84	16.0	0.0
80	P12-BPSK	1	127		15.06	14.96	15.14	16.0	0.0
80	P12-BPSK	128	66		15.06	14.96	15.14	16.0	0.0
80	P12-BPSK	128	128		15.26	15.16	15.34	16.0	0.0
80	P12-BPSK	1	1		14.76	14.66	14.81	16.0	0.0
80	P12-BPSK	1	127		14.96	14.86	15.01	16.0	0.0
80	P12-BPSK	128	66		14.96	14.86	15.01	16.0	0.0
80	P12-BPSK	128	128		15.16	15.06	15.21	16.0	0.0
80	P12-BPSK	1	1		14.86	14.76	14.84	16.0	0.0
80	P12-BPSK	1	127		15.06	14.96	15.14	16.0	0.0
80	P12-BPSK	128	66		15.06	14.96	15.14	16.0	0.0
80	P12-BPSK	128	128		15.26	15.16	15.34	16.0	0.0
80	P12-BPSK	1	1		14.76	14.66	14.81	16.0	0.0
80	P12-BPSK	1	127		14.96	14.86	15.01	16.0	0.0
80	P12-BPSK	128	66		14.96	14.86	15.01	16.0	0.0
80	P12-BPSK	128	128		15.16	15.06	15.21	16.0	0.0
80	P12-BPSK	1	1		14.86	14.76	14.84	16.0	0.0
80	P12-BPSK	1	127		15.06	14.96	15.14	16.0	0.0
80	P12-BPSK	128	66		15.06	14.96	15.14	16.0	0.0
80	P12-BPSK	128	128		15.26	15.16	15.34	16.0	0.0
80	P12-BPSK	1	1		14.76	14.66	14.81	16.0	0.0
80	P12-BPSK	1	127		14.96	14.86	15.01	16.0	0.0
80	P12-BPSK	128	66		14.96	14.86	15.01	16.0	0.0
80	P12-BPSK	128	128		15.16	15.06	15.21	16.0	0.0
80	P12-BPSK	1	1		14.86	14.76	14.84	16.0	0.0
80	P12-BPSK	1	127		15.06	14.96	15.14	16.0	0.0
80	P12-BPSK	128	66		15.06	14.96	15.14	16.0	0.0
80	P12-BPSK	128	128		15.26	15.16	15.34	16.0	0.0
80	P12-BPSK	1	1		14.76	14.66	14.81	16.0	0.0
80	P12-BPSK	1	127		14.96	14.86	15.01	16.0	0.0
80	P12-BPSK	128	66		14.96	14.86	15.01	16.0	0.0
80	P12-BPSK	128	128		15.16	15.06	15.21	16.0	0.0
80	P12-BPSK	1	1		14.86	14.76	14.84	16.0	0.0
80	P12-BPSK	1	127		15.06	14.96	15.14	16.0	0.0
80	P12-BPSK	128	66		15.06	14.96	15.14	16.0	0.0
80	P12-BPSK	128	128		15.26	15.16	15.34	16.0	0.0
80	P12-BPSK	1	1		14.76	14.66	14.81	16.0	0.0
80	P12-BPSK	1	127		14.96	14.86	15.01	16.0	0.0
80	P12-BPSK	128	66		14.96	14.86	15.01	16.0	0.0
80	P12-BPSK	128	128		15.16	15.06	15.21	16.0	0.0
80	P12-BPSK	1	1		14.86	14.76	14.84	16.0	0.0
80	P12-BPSK	1	127		15.06	14.96	15.14	16.0	0.0
80	P12-BPSK	128	66		15.06	14.96	15.14	16.0	0.0
80	P12-BPSK	128	128		15.26	15.16	15.34	16.0	0.0
80	P12-BPSK	1	1		14.76	14.66	14.81	16.0	0.0
80	P12-BPSK	1	127		14.96	14.86	15.01	16.0	0.0
80	P12-BPSK	128	66		14.96	14.86	15.01	16.0	0.0
80	P12-BPSK	128	128		15.16	15.06	15.21	16.0	0.0
80	P12-BPSK	1	1		14.86	14.76	14.84	16.0	0.0
80	P12-BPSK	1	127		15.06	14.96	15.14	16.0	0.0
80	P12-BPSK	128	66		15.06	14.96	15.14	16.0	0.0
80	P12-BPSK	128	128		15.26	15.16	15.34	16.0	0.0
80	P12-BPSK	1	1		14.76	14.66	14.81	16.0	0.0
80	P12-BPSK	1	127		14.96	14.86	15.01	16.0	0.0
80	P12-BPSK	128	66		14.96	14.86	15.01	16.0	0.0
80	P12-BPSK	128	128		15.16	15.06	15.21	16.0	0.0
80	P12-BPSK	1	1		14.86	14.76	14.84	16.0	0.0
80	P12-BPSK	1	127		15.06	14.96	15.14	16.0	0.0
80	P12-BPSK	128	66		15.06	14.96	15.14	16.0	0.0
80	P12-BPSK	128	128		15.26	15.16	15.34	16.0	0.0
80	P12-BPSK	1	1		14.76	14.66	14.81	16.0	0.0
80	P12-BPSK	1	127		14.96	14.86	15.01	16.0	0.0
80	P12-BPSK	128	66		14.96	14.86	15.01	16.0	0.0
80	P12-BPSK	128	128		15.16	15.06	15.21	16.0	0.0
80	P12-BPSK	1	1		14.86	14.76	14.84	16.0	0.0
80	P12-BPSK	1	127		15.06	14.96	15.14	16.0	0.0
80	P12-BPSK	128	66		15.06	14.96	15.14	16.0	0.0
80	P12-BPSK	128	128		15.26	15.16	15.34	16.0	0.0
80	P12-BPSK	1	1		14.76	14.66	14.81	16.0	0.0
80	P12-BPSK	1	127		14.96	14.86	15.01	16.0	0.0
80	P12-BPSK	128	66		14.96	14.86	15.01	16.0	0.0
80	P12-BPSK	128	128		15.16	15.06	15.21	16.0	0.0
80	P12-BPSK	1	1		14.86	14.76	14.84	16.0	0.0
80	P12-BPSK	1	127		15.06	14.96	15.14	16.0	0.0
80	P12-BPSK	128	66		15.06	14.96	15.14	16.0	0.0
80	P12-BPSK	128	128		15.26	15.16	15.34	16.0	0.0
80	P12-BPSK	1	1		14.76	14.66	14.81	16.0	0.0
80	P12-BPSK	1	127		14.96	14.86	15.01	16.0	0.0
80	P12-BPSK	128	66		14.96	14.86	15.01	16.0	0.0
80	P12-BPSK	128	128		15.16	15.06	15.21	16.0	0.0
80	P12-BPSK	1	1		14.86	14.76	14.84	16.0	0.0
80	P12-BPSK	1	127		15.06	14.96	15.14	16.0	0.0
80	P12-BPSK	128	66		15.06	14.96	15.14	16.0	0.0
80	P12-BPSK	128	128		15.26	15.16	15.34	16.0	0.0
80	P12-BPSK	1	1		14.76	14.66	14.81	16.0	0.0
80	P12-BPSK	1	127		14.96	14.86	15.01	16.0	0.0
80	P12-BPSK	128	66		14.96	14.86	15.01	16.0	0.0
80	P12-BPSK	128	128		15.16	15.06	15.21	16.0	0.0
80	P12-BPSK	1	1		14.86	14.76	14.84	16.0	0.0
80	P12-BPSK	1	127		15.06	14.96	15.14	16.0	0.0
80	P12-BPSK	128	66		15.06	14.96	15.14	16.0	0.0
80	P12-BPSK	128	128		15.26	15.16	15.34	16.0	0.0
80	P12-BPSK	1	1		14.76	14.66	14.81	16.0	0.0
80	P12-BPSK	1	127		14.96	14.86	15.01	16.0	0.0
80	P12-BPSK	128	66		14.96	14.86	15.01	16.0	0.0
80	P12-BPSK	128	128		15.16	15.06	15.21	16.0	0.0
80	P12-BPSK	1	1		14.86	14.76	14.84	16.0	0.0
80	P12-BPSK	1	127		15.06	14.96	15.14	16.0	0.0
80	P12-BPSK	128	66		15.06	14.96	15.14	16.0	0.0
80	P12-BPSK	128	128		15.26	15.16	15.34	16.0	0.0
80	P12-BPSK	1	1		14.76	14.66	14.81	16.0	0.0
80	P12-BPSK	1	127		14.96	14.86	15.01	16.0	0.0
80	P12-BPSK	128	66		14.96	14.86	15.01	16.0	0.0
80	P12-BPSK	128	128		15.16	15.06	15.21	16.0	0.0
80	P12-BPSK	1	1		14.86	14.76	14.84	16.0	0.0
80	P12-BPSK	1	127		15.06	14.96	15.14	16.0	0.0
80	P12-BPSK	128	66		15.06	14.96	15.14	16.0	0.0
80	P12-BPSK	128	128		15.26	15.16	15.34	16.0	0.0
80	P12-BPSK	1	1		14.76	14.66	14.81	16.0	0.0
80	P12-BPSK	1	127		14.96	14.86	15.01	16.0	0.0
80	P12-BPSK	128	66		14.96	14.86	15.01	16.0	0.0
80	P12-BPSK	128	128		15.16	15.06	15.21	16.0	0.0
80	P12-BPSK	1	1		14.86	14.76	14.84	16.0	0.0
80	P12-BPSK	1	127		15.06	14.96	15.14	16.0	0.0
80	P12-BPSK	128	66		15.06	14.96			

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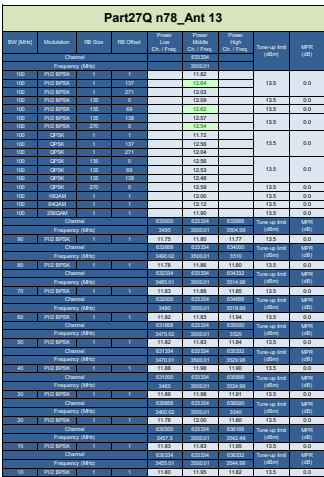
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DSI 3 Power

n7_Ant 12									
Seq (MHz)	Modulation	Channel	RF Chan	Low Noise Amplifier	RF Filter	Power Amplifier	Power Amp. Output	Swapping time (s)	MPR (dB)
Channel 1									
30	PSSW	Channel 1	1	15.42	15.48	15.50	15.50	17.7	0.0
Channel 2									
30	PSSW	Channel 2	2	15.42	15.48	15.50	15.50	17.7	0.0
Channel 3									
30	PSSW	Channel 3	3	15.42	15.48	15.50	15.50	17.7	0.0
Channel 4									
30	PSSW	Channel 4	4	15.42	15.48	15.50	15.50	17.7	0.0
Channel 5									
30	PSSW	Channel 5	5	15.42	15.48	15.50	15.50	17.7	0.0
Channel 6									
30	PSSW	Channel 6	6	15.42	15.48	15.50	15.50	17.7	0.0
Channel 7									
30	PSSW	Channel 7	7	15.42	15.48	15.50	15.50	17.7	0.0
Channel 8									
30	PSSW	Channel 8	8	15.42	15.48	15.50	15.50	17.7	0.0
Channel 9									
30	PSSW	Channel 9	9	15.42	15.48	15.50	15.50	17.7	0.0
Channel 10									
30	PSSW	Channel 10	10	15.42	15.48	15.50	15.50	17.7	0.0
Channel 11									
30	PSSW	Channel 11	11	15.42	15.48	15.50	15.50	17.7	0.0
Channel 12									
30	PSSW	Channel 12	12	15.42	15.48	15.50	15.50	17.7	0.0
Channel 13									
30	PSSW	Channel 13	13	15.42	15.48	15.50	15.50	17.7	0.0
Channel 14									
30	PSSW	Channel 14	14	15.42	15.48	15.50	15.50	17.7	0.0
Channel 15									
30	PSSW	Channel 15	15	15.42	15.48	15.50	15.50	17.7	0.0
Channel 16									
30	PSSW	Channel 16	16	15.42	15.48	15.50	15.50	17.7	0.0
Channel 17									
30	PSSW	Channel 17	17	15.42	15.48	15.50	15.50	17.7	0.0
Channel 18									
30	PSSW	Channel 18	18	15.42	15.48	15.50	15.50	17.7	0.0
Channel 19									
30	PSSW	Channel 19	19	15.42	15.48	15.50	15.50	17.7	0.0
Channel 20									
30	PSSW	Channel 20	20	15.42	15.48	15.50	15.50	17.7	0.0
Channel 21									
30	PSSW	Channel 21	21	15.42	15.48	15.50	15.50	17.7	0.0
Channel 22									
30	PSSW	Channel 22	22	15.42	15.48	15.50	15.50	17.7	0.0
Channel 23									
30	PSSW	Channel 23	23	15.42	15.48	15.50	15.50	17.7	0.0
Channel 24									
30	PSSW	Channel 24	24	15.42	15.48	15.50	15.50	17.7	0.0
Channel 25									
30	PSSW	Channel 25	25	15.42	15.48	15.50	15.50	17.7	0.0
Channel 26									
30	PSSW	Channel 26	26	15.42	15.48	15.50	15.50	17.7	0.0
Channel 27									
30	PSSW	Channel 27	27	15.42	15.48	15.50	15.50	17.7	0.0
Channel 28									
30	PSSW	Channel 28	28	15.42	15.48	15.50	15.50	17.7	0.0
Channel 29									
30	PSSW	Channel 29	29	15.42	15.48	15.50	15.50	17.7	0.0
Channel 30									
30	PSSW	Channel 30	30	15.42	15.48	15.50	15.50	17.7	0.0
Channel 31									
30	PSSW	Channel 31	31	15.42	15.48	15.50	15.50	17.7	0.0
Channel 32									
30	PSSW	Channel 32	32	15.42	15.48	15.50	15.50	17.7	0.0
Channel 33									
30	PSSW	Channel 33	33	15.42	15.48	15.50	15.50	17.7	0.0
Channel 34									
30	PSSW	Channel 34	34	15.42	15.48	15.50	15.50	17.7	0.0
Channel 35									
30	PSSW	Channel 35	35	15.42	15.48	15.50	15.50	17.7	0.0
Channel 36									
30	PSSW	Channel 36	36	15.42	15.48	15.50	15.50	17.7	0.0
Channel 37									
30	PSSW	Channel 37	37	15.42	15.48	15.50	15.50	17.7	0.0
Channel 38									
30	PSSW	Channel 38	38	15.42	15.48	15.50	15.50	17.7	0.0
Channel 39									
30	PSSW	Channel 39	39	15.42	15.48	15.50	15.50	17.7	0.0
Channel 40									
30	PSSW	Channel 40	40	15.42	15.48	15.50	15.50	17.7	0.0
Channel 41									
30	PSSW	Channel 41	41	15.42	15.48	15.50	15.50	17.7	0.0
Channel 42									
30	PSSW	Channel 42	42	15.42	15.48	15.50	15.50	17.7	0.0
Channel 43									
30	PSSW	Channel 43	43	15.42	15.48	15.50	15.50	17.7	0.0
Channel 44									
30	PSSW	Channel 44	44	15.42	15.48	15.50	15.50	17.7	0.0
Channel 45									
30	PSSW	Channel 45	45	15.42	15.48	15.50	15.50	17.7	0.0
Channel 46									
30	PSSW	Channel 46	46	15.42	15.48	15.50	15.50	17.7	0.0
Channel 47									
30	PSSW	Channel 47	47	15.42	15.48	15.50	15.50	17.7	0.0
Channel 48									
30	PSSW	Channel 48	48	15.42	15.48	15.50	15.50	17.7	0.0
Channel 49									
30	PSSW	Channel 49	49	15.42	15.48	15.50	15.50	17.7	0.0
Channel 50									
30	PSSW	Channel 50	50	15.42	15.48	15.50	15.50	17.7	0.0

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n66_Ant 12									
Ref	IPM	Substation	Ref Size	Ref Offset	Start Value	Start Offset	End Value	End Offset	Notes
Channel									
40	IPM	IPM1	1	0	10.71	13.00	10.80	13.00	
40	IPM	IPM1	1	1	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	2	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	3	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	4	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	5	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	6	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	7	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	8	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	9	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	10	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	11	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	12	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	13	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	14	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	15	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	16	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	17	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	18	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	19	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	20	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	21	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	22	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	23	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	24	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	25	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	26	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	27	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	28	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	29	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	30	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	31	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	32	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	33	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	34	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	35	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	36	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	37	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	38	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	39	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	40	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	41	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	42	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	43	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	44	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	45	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	46	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	47	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	48	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	49	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	50	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	51	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	52	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	53	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	54	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	55	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	56	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	57	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	58	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	59	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	60	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	61	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	62	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	63	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	64	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	65	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	66	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	67	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	68	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	69	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	70	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	71	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	72	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	73	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	74	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	75	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	76	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	77	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	78	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	79	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	80	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	81	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	82	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	83	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	84	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	85	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	86	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	87	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	88	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	89	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	90	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	91	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	92	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	93	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	94	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	95	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	96	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	97	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	98	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	99	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	100	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	101	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	102	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	103	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	104	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	105	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	106	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	107	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	108	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	109	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	110	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	111	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	112	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	113	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	114	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	115	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	116	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	117	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	118	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	119	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	120	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	121	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	122	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	123	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	124	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	125	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	126	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	127	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	128	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	129	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	130	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	131	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	132	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	133	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	134	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	135	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	136	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	137	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	138	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	139	10.71	13.00	10.80	13.00	0.3
40	IPM	IPM1	1	140	10.71	13.00	10.80		

[illegible]

Part27Q n78_Ant 23									
SW (MHz)	Modulation	Channel	RF Offset	15 dBm	Power Level (dBm)	Power Level On-Off	Meas Time (s)	SNR (dB)	
100	PSK 8PSK	1		12.07					
100	PSK 8PSK	1		12.13			13.0	0.0	
100	PSK 8PSK	1		12.20					
100	PSK 8PSK	140	0	12.13			13.0	0.0	
100	PSK 8PSK	140	0	12.20					
100	PSK 8PSK	140	100	12.17			13.0	0.0	
100	QPSK	140	0	11.74					
100	QPSK	140	0	11.80			13.0	0.0	
100	QPSK	140	0	12.00					
100	QPSK	140	0	12.23					
100	QPSK	140	0	11.68					
100	QPSK	140	100	12.23			13.0	0.0	
100	QPSK	140	100	12.20					
100	QPSK	140	100	11.74			13.0	0.0	
100	QPSK	140	100	11.80					
100	QPSK	140	100	12.00			13.0	0.0	
100	QPSK	140	100	12.23					
100	QPSK	140	100	11.68					
100	QPSK	140	100	12.23			13.0	0.0	
100	QPSK	140	100	12.20					
100	QPSK	140	100	11.74			13.0	0.0	
100	QPSK	140	100	11.80					
100	QPSK	140	100	12.00			13.0	0.0	
100	QPSK	140	100	12.23					
100	QPSK	140	100	11.68					
100	QPSK	140	100	12.23			13.0	0.0	
100	QPSK	140	100	12.20					
100	QPSK	140	100	11.74			13.0	0.0	
100	QPSK	140	100	11.80					
100	QPSK	140	100	12.00			13.0	0.0	
100	QPSK	140	100	12.23					
100	QPSK	140	100	11.68					
100	QPSK	140	100	12.23			13.0	0.0	
100	QPSK	140	100	12.20					
100	QPSK	140	100	11.74			13.0	0.0	
100	QPSK	140	100	11.80					
100	QPSK	140	100	12.00			13.0	0.0	
100	QPSK	140	100	12.23					
100	QPSK	140	100	11.68					
100	QPSK	140	100	12.23			13.0	0.0	
100	QPSK	140	100	12.20					
100	QPSK	140	100	11.74			13.0	0.0	
100	QPSK	140	100	11.80					
100	QPSK	140	100	12.00			13.0	0.0	
100	QPSK	140	100	12.23					
100	QPSK	140	100	11.68					
100	QPSK	140	100	12.23			13.0	0.0	
100	QPSK	140	100	12.20					
100	QPSK	140	100	11.74			13.0	0.0	
100	QPSK	140	100	11.80					
100	QPSK	140	100	12.00			13.0	0.0	
100	QPSK	140	100	12.23					
100	QPSK	140	100	11.68					
100	QPSK	140	100	12.23			13.0	0.0	
100	QPSK	140	100	12.20					
100	QPSK	140	100	11.74			13.0	0.0	
100	QPSK	140	100	11.80					
100	QPSK	140	100	12.00			13.0	0.0	
100	QPSK	140	100	12.23					
100	QPSK	140	100	11.68					
100	QPSK	140	100	12.23			13.0	0.0	
100	QPSK	140	100	12.20					
100	QPSK	140	100	11.74			13.0	0.0	
100	QPSK	140	100	11.80					
100	QPSK	140	100	12.00			13.0	0.0	
100	QPSK	140	100	12.23					
100	QPSK	140	100	11.68					
100	QPSK	140	100	12.23			13.0	0.0	
100	QPSK	140	100	12.20					
100	QPSK	140	100	11.74			13.0	0.0	
100	QPSK	140	100	11.80					
100	QPSK	140	100	12.00			13.0	0.0	
100	QPSK	140	100	12.23					
100	QPSK	140	100	11.68					
100	QPSK	140	100	12.23			13.0	0.0	
100	QPSK	140	100	12.20					
100	QPSK	140	100	11.74			13.0	0.0	
100	QPSK	140	100	11.80					
100	QPSK	140	100	12.00			13.0	0.0	
100	QPSK	140	100	12.23					
100	QPSK	140	100	11.68					
100	QPSK	140	100	12.23			13.0	0.0	
100	QPSK	140	100	12.20					
100	QPSK	140	100	11.74			13.0	0.0	
100	QPSK	140	100	11.80					
100	QPSK	140	100	12.00			13.0	0.0	
100	QPSK	140	100	12.23					
100	QPSK	140	100	11.68					
100	QPSK	140	100	12.23			13.0	0.0	
100	QPSK	140	100	12.20					
100	QPSK	140	100	11.74			13.0	0.0	
100	QPSK	140	100	11.80					
100	QPSK	140	100	12.00			13.0	0.0	
100	QPSK	140	100	12.23					
100	QPSK	140	100	11.68					
100	QPSK	140	100	12.23			13.0	0.0	
100	QPSK	140	100	12.20					
100	QPSK	140	100	11.74			13.0	0.0	
100	QPSK	140	100	11.80					
100	QPSK	140	100	12.00			13.0	0.0	
100	QPSK	140	100	12.23					
100	QPSK	140	100	11.68					
100	QPSK	140	100	12.23			13.0	0.0	
100	QPSK	140	100	12.20					
100	QPSK	140	100	11.74			13.0	0.0	
100	QPSK	140	100	11.80					
100	QPSK	140	100	12.00			13.0	0.0	
100	QPSK	140	100	12.23					
100	QPSK	140	100	11.68					
100	QPSK	140	100	12.23			13.0	0.0	
100	QPSK	140	100	12.20					
100	QPSK	140	100	11.74			13.0	0.0	
100	QPSK	140	100	11.80					
100	QPSK	140	100	12.00			13.0	0.0	
100	QPSK	140	100	12.23					
100	QPSK	140	100	11.68					
100	QPSK	140	100	12.23			13.0	0.0	
100	QPSK	140	100	12.20					
100	QPSK	140	100	11.74			13.0	0.0	
100	QPSK	140	100	11.80					
100	QPSK	140	100	12.00			13.0	0.0	
100	QPSK	140	100	12.23					
100	QPSK	140	100	11.68					
100	QPSK	140	100	12.23			13.0	0.0	
100	QPSK	140	100	12.20					
100	QPSK	140	100	11.74			13.0	0.0	
100	QPSK	140	100	11.80					
100	QPSK	140	100	12.00			13.0	0.0	
100	QPSK	140	100	12.23					
100	QPSK	140	100	11.68					
100	QPSK	140	100	12.23			13.0	0.0	
100	QPSK	140	100	12.20					
100	QPSK	140	100	11.74			13.0	0.0	
100	QPSK	140	100	11.80					
100	QPSK	140	100	12.00			13.0	0.0	
100	QPSK	140	100	12.23					
100	QPSK	140	100	11.68					
100	QPSK	140	100	12.23			13.0	0.0	
100	QPSK	140	100	12.20					
100	QPSK	140	100	11.74			13.0	0.0	
100	QPSK	140	100	11.80					
100	QPSK	140	100	12.00			13.0	0.0	
100	QPSK	140	100	12.23					
100	QPSK	140	100	11.68					
100	QPSK	140	100	12.23			13.0	0.0	
100	QPSK	140	100	12.20					
100	QPSK	140	100	11.74			13.0	0.0	
100	QPSK	140	100	11.80					
100	QPSK	140	100	12.00			13.0	0.0	
100	QPSK	140	100	12.23					
100	QPSK	140	100	11.68					
100	QPSK	140	100	12.23			13.0	0.0	
100	QPSK	140	100	12.20					
100	QPSK	140	100	11.74			13.0	0.0	
100	QPSK	140	100	11.80					
100	QPSK	140	100	12.00			13.0	0.0	
100	QPSK	140	100	12.23					
100	QPSK	140	100	11.68					
100	QPSK	140	100	12.23			13.0	0.0	
100	QPSK	140	100	12.20					
100	QPSK	140	100	11.74			13.0	0.0	
100	QPSK	140	100	11.80					
100	QPSK	140	100	12.00			13.0	0.0	
100	QPSK	140	100	12.23					
100	QPSK	140	100	11.68					
100	QPSK	140	100	12.23			13.0	0.0	
100	QPSK	140	100	12.20					
100	QPSK	140	100	11.74			13.0	0.0	
100	QPSK	140	100	11.80					
100	QPSK	140	100	12.00			13.0	0.0	
100	QPSK	140	100	12.23					
100	QPSK	140	100	11.68					
100	QPSK	140	100	12.23			13.0	0.0	
100	QPSK	140	100	12.20					
100	QPSK	140	100	11.74			13.0	0.0	
100	QPSK	140	100	11.80					
100	QPSK	140	100	12.00			13.0	0.0	
100	QPSK	140	100	12.23					
100	QPSK	140	100	11.68					
100	QPSK	140	100	12.23			13.0	0.0	
100	QPSK	140	100	12.20					
100	QPSK	140	100	11.74			13.0	0.0	
100	QPSK	140	100	11.80					
100	QPSK	140	100	12.00			13.0	0.0	
100	QPSK	140	100	12.23					
100	QPSK	140	100	11.68					
100	QPSK	140	100						

Part270 n78_Ant 23									
SW (MHz)	Modulation	Channel ID	SW Offset	Power (mW)	Time on Air (Sec)	Message Name (ID)	Power (mW)	Message on (sec)	SWR (dB)
100	FSK 1200	Channel 1	0	1.166					
100	FSK 1200	Channel 1	1	1.167				13.9	0.0
100	FSK 1200	Channel 1	2	1.169					
100	FSK 1200	Channel 1	3	1.170				13.9	0.0
100	FSK 1200	Channel 1	4	1.171				13.9	0.0
100	FSK 1200	Channel 1	5	1.172					
100	FSK 1200	Channel 1	6	1.173				13.9	0.0
100	FSK 1200	Channel 1	7	1.174					
100	FSK 1200	Channel 1	8	1.175				13.9	0.0
100	FSK 1200	Channel 1	9	1.176					
100	FSK 1200	Channel 1	10	1.177				13.9	0.0
100	FSK 1200	Channel 1	11	1.178					
100	FSK 1200	Channel 1	12	1.179				13.9	0.0
100	FSK 1200	Channel 1	13	1.180					
100	FSK 1200	Channel 1	14	1.181				13.9	0.0
100	FSK 1200	Channel 1	15	1.182					
100	FSK 1200	Channel 1	16	1.183				13.9	0.0
100	FSK 1200	Channel 1	17	1.184					
100	FSK 1200	Channel 1	18	1.185				13.9	0.0
100	FSK 1200	Channel 1	19	1.186					
100	FSK 1200	Channel 1	20	1.187				13.9	0.0
100	FSK 1200	Channel 1	21	1.188					
100	FSK 1200	Channel 1	22	1.189				13.9	0.0
100	FSK 1200	Channel 1	23	1.190					
100	FSK 1200	Channel 1	24	1.191				13.9	0.0
100	FSK 1200	Channel 1	25	1.192					
100	FSK 1200	Channel 1	26	1.193				13.9	0.0
100	FSK 1200	Channel 1	27	1.194					
100	FSK 1200	Channel 1	28	1.195				13.9	0.0
100	FSK 1200	Channel 1	29	1.196					
100	FSK 1200	Channel 1	30	1.197				13.9	0.0
100	FSK 1200	Channel 1	31	1.198					
100	FSK 1200	Channel 1	32	1.199				13.9	0.0
100	FSK 1200	Channel 1	33	1.200					
100	FSK 1200	Channel 1	34	1.201				13.9	0.0
100	FSK 1200	Channel 1	35	1.202					
100	FSK 1200	Channel 1	36	1.203				13.9	0.0
100	FSK 1200	Channel 1	37	1.204					
100	FSK 1200	Channel 1	38	1.205				13.9	0.0
100	FSK 1200	Channel 1	39	1.206					
100	FSK 1200	Channel 1	40	1.207				13.9	0.0
100	FSK 1200	Channel 1	41	1.208					
100	FSK 1200	Channel 1	42	1.209				13.9	0.0
100	FSK 1200	Channel 1	43	1.210					
100	FSK 1200	Channel 1	44	1.211				13.9	0.0
100	FSK 1200	Channel 1	45	1.212					

Part27Q n78_Ant 24											
EV (MHz)	Modulation	RB Size	RB Offset	Power Level (Ch. 1 Power)	Power Level (Ch. 2 Power)	Power Level (Ch. 3 Power)	Time-up time (min)	LMT (dB)			
Channel											
Frequency (MHz)											
100	P12 BPSK	1	1	13.83			15.7	0.0			
100	P12 BPSK	1	137	13.83							
100	P12 BPSK	1	271	13.82			15.7	0.0			
100	P12 BPSK	156	0	13.87							
100	P12 BPSK	156	80	13.84			15.7	0.0			
100	P12 BPSK	156	156	13.87							
100	P12 BPSK	270	0	13.82			15.7	0.0			
100	QPSK	1	1	13.80							
100	QPSK	1	137	13.80			15.7	0.0			
100	QPSK	1	271	13.80							
100	QPSK	156	0	13.80			15.7	0.0			
100	QPSK	156	80	13.82							
100	QPSK	156	156	13.80			15.7	0.0			
100	QPSK	270	0	13.73			15.7	0.0			
100	SSB4M	1	1	13.80			15.7	0.0			
100	SSB4M	1	1	13.85			15.7	0.0			
100	SSB4M	1	1	13.80			15.7	0.0			
Channel											
Frequency (MHz)											
90	P12 BPSK	1	1	13.85	13.80	13.80	15.7	0.0			
90	P12 BPSK	1	1	13.85	13.80	13.80	15.7	0.0			
90	P12 BPSK	1	1	13.85	13.80	13.80	15.7	0.0			
Channel											
Frequency (MHz)											
80	P12 BPSK	1	1	13.87	13.80	13.80	15.7	0.0			
80	P12 BPSK	1	1	13.87	13.80	13.80	15.7	0.0			
Channel											
Frequency (MHz)											
70	P12 BPSK	1	1	13.86	13.80	13.80	15.7	0.0			
70	P12 BPSK	1	1	13.86	13.80	13.80	15.7	0.0			
Channel											
Frequency (MHz)											
60	P12 BPSK	1	1	13.83	13.80	13.80	15.7	0.0			
60	P12 BPSK	1	1	13.83	13.80	13.80	15.7	0.0			
Channel											
Frequency (MHz)											
50	P12 BPSK	1	1	13.80	13.80	13.80	15.7	0.0			
50	P12 BPSK	1	1	13.80	13.80	13.80	15.7	0.0			
Channel											
Frequency (MHz)											
40	P12 BPSK	1	1	13.80	13.80	13.80	15.7	0.0			
40	P12 BPSK	1	1	13.80	13.80	13.80	15.7	0.0			
Channel											
Frequency (MHz)											
30	P12 BPSK	1	1	13.79	13.80	13.80	15.7	0.0			
30	P12 BPSK	1	1	13.79	13.80	13.80	15.7	0.0			
Channel											
Frequency (MHz)											
20	P12 BPSK	1	1	13.80	13.80	13.80	15.7	0.0			
20	P12 BPSK	1	1	13.80	13.80	13.80	15.7	0.0			
Channel											
Frequency (MHz)											
10	P12 BPSK	1	1	13.80	13.80	13.80	15.7	0.0			
10	P12 BPSK	1	1	13.80	13.80	13.80	15.7	0.0			
Channel											
Frequency (MHz)											
0	P12 BPSK	1	1	13.80	13.80	13.80	15.7	0.0			

Part27O n78_Ant 24											
EV (MHz)	Modulation	RB Size	RB Offset	Power Level (Ch. 1 Power)	Power Level (Ch. 2 Power)	Power Level (Ch. 3 Power)	Time-up time (min)	LMT (dB)			
Channel											
Frequency (MHz)											
100	P12 BPSK	1	1	13.83			15.7	0.0			
100	P12 BPSK	1	137	13.83							
100	P12 BPSK	1	271	13.82			15.7	0.0			
100	P12 BPSK	156	0	13.87							
100	P12 BPSK	156	80	13.84			15.7	0.0			
100	P12 BPSK	156	156	13.87							
100	P12 BPSK	270	0	13.82			15.7	0.0			
100	QPSK	1	1	13.80							
100	QPSK	1	137	13.80			15.7	0.0			
100	QPSK	1	271	13.80							
100	QPSK	156	0	13.80			15.7	0.0			
100	QPSK	156	80	13.82							
100	QPSK	156	156	13.80			15.7	0.0			
100	QPSK	270	0	13.80			15.7	0.0			
100	SSB4M	1	1	13.80			15.7	0.0			
100	SSB4M	1	1	13.85			15.7	0.0			
100	SSB4M	1	1	13.80			15.7	0.0			
Channel											
Frequency (MHz)											
90	P12 BPSK	1	1	13.80	13.80	13.80	15.7	0.0			
90	P12 BPSK	1	1	13.80	13.80	13.80	15.7	0.0			
90	P12 BPSK	1	1	13.80	13.80	13.80	15.7	0.0			
Channel											
Frequency (MHz)											
80	P12 BPSK	1	1	13.80	13.80	13.80	15.7	0.0			
80	P12 BPSK	1	1	13.80	13.80	13.80	15.7	0.0			
Channel											
Frequency (MHz)											
70	P12 BPSK	1	1	13.80	13.80	13.80	15.7	0.0			
70	P12 BPSK	1	1	13.80	13.80	13.80	15.7	0.0			
Channel											
Frequency (MHz)											
60	P12 BPSK	1	1	13.80	13.80	13.80	15.7	0.0			
60	P12 BPSK	1	1	13.80	13.80	13.80	15.7	0.0			
Channel											
Frequency (MHz)											
50	P12 BPSK	1	1	13.80	13.80	13.80	15.7	0.0			
50	P12 BPSK	1	1	13.80	13.80	13.80	15.7	0.0			
Channel											
Frequency (MHz)											
40	P12 BPSK	1	1	13.80	13.80	13.80	15.7	0.0			
40	P12 BPSK	1	1	13.80	13.80	13.80	15.7	0.0			
Channel											
Frequency (MHz)											
30	P12 BPSK	1	1	13.80	13.80	13.80	15.7	0.0			
30	P12 BPSK	1	1	13.80	13.80	13.80	15.7	0.0			
Channel											
Frequency (MHz)											
20	P12 BPSK	1	1	13.80	13.80	13.80	15.7	0.0			
20	P12 BPSK	1	1	13.80	13.80	13.80	15.7	0.0			
Channel											
Frequency (MHz)											
10	P12 BPSK	1	1	13.80	13.80	13.80	15.7	0.0			
10	P12 BPSK	1	1	13.80	13.80	13.80	15.7	0.0			
Channel											
Frequency (MHz)											
0	P12 BPSK	1	1	13.80	13.80	13.80	15.7	0.0			

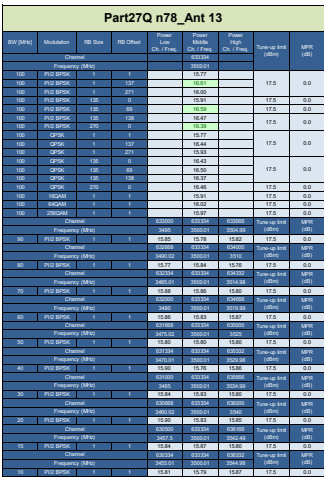
Part27Q n78_Ant 101									
EV (MHz)	Modulation	RB Size	RB Offset	Ch. 1 Power	Ch. 2 Power	Power Avg. Factor	Time-up time (min)	LMT (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	0	13.82			19.0	0.0	
100	P12 BPSK	1	137	13.79					
100	P12 BPSK	1	271	13.78			19.0	0.0	
100	P12 BPSK	156	0	13.75			19.0	0.0	
100	P12 BPSK	156	80	13.77			19.0	0.0	
100	QPSK	1	136	13.70			19.0	0.0	
100	QPSK	1	270	13.65					
100	QPSK	1	271	13.65			19.0	0.0	
100	QPSK	156	0	13.62			19.0	0.0	
100	QPSK	156	80	13.62			19.0	0.0	
100	QPSK	256	128	13.55			19.0	0.0	
100	QPSK	256	129	13.55			19.0	0.0	
100	QPSK	1	135	13.53			19.0	0.0	
100	QPSK	1	269	13.52			19.0	0.0	
100	QPSK	1	270	13.52			19.0	0.0	
100	QPSK	1	271	13.52			19.0	0.0	
100	QPSK	156	0	13.49			19.0	0.0	
100	QPSK	156	80	13.49			19.0	0.0	
100	QPSK	1	134	13.46			19.0	0.0	
100	QPSK	1	268	13.45			19.0	0.0	
100	QPSK	1	269	13.45			19.0	0.0	
100	QPSK	1	270	13.45			19.0	0.0	
100	QPSK	1	271	13.45			19.0	0.0	
100	QPSK	156	0	13.42			19.0	0.0	
100	QPSK	156	80	13.42			19.0	0.0	
100	QPSK	1	133	13.39			19.0	0.0	
100	QPSK	1	267	13.38			19.0	0.0	
100	QPSK	1	268	13.38			19.0	0.0	
100	QPSK	1	269	13.38			19.0	0.0	
100	QPSK	1	270	13.38			19.0	0.0	
100	QPSK	1	271	13.38			19.0	0.0	
100	QPSK	156	0	13.35			19.0	0.0	
100	QPSK	156	80	13.35			19.0	0.0	
100	QPSK	1	132	13.32			19.0	0.0	
100	QPSK	1	266	13.31			19.0	0.0	
100	QPSK	1	267	13.31			19.0	0.0	
100	QPSK	1	268	13.31			19.0	0.0	
100	QPSK	1	269	13.31			19.0	0.0	
100	QPSK	1	270	13.31			19.0	0.0	
100	QPSK	1	271	13.31			19.0	0.0	
100	QPSK	156	0	13.28			19.0	0.0	
100	QPSK	156	80	13.28			19.0	0.0	
100	QPSK	1	131	13.25			19.0	0.0	
100	QPSK	1	265	13.24			19.0	0.0	
100	QPSK	1	266	13.24			19.0	0.0	
100	QPSK	1	267	13.24			19.0	0.0	
100	QPSK	1	268	13.24			19.0	0.0	
100	QPSK	1	269	13.24			19.0	0.0	
100	QPSK	1	270	13.24			19.0	0.0	
100	QPSK	1	271	13.24			19.0	0.0	
100	QPSK	156	0	13.21			19.0	0.0	
100	QPSK	156	80	13.21			19.0	0.0	
100	QPSK	1	130	13.18			19.0	0.0	
100	QPSK	1	264	13.17			19.0	0.0	
100	QPSK	1	265	13.17			19.0	0.0	
100	QPSK	1	266	13.17			19.0	0.0	
100	QPSK	1	267	13.17			19.0	0.0	
100	QPSK	1	268	13.17			19.0	0.0	
100	QPSK	1	269	13.17			19.0	0.0	
100	QPSK	1	270	13.17			19.0	0.0	
100	QPSK	1	271	13.17			19.0	0.0	
100	QPSK	156	0	13.14			19.0	0.0	
100	QPSK	156	80	13.14			19.0	0.0	
100	QPSK	1	129	13.11			19.0	0.0	
100	QPSK	1	263	13.10			19.0	0.0	
100	QPSK	1	264	13.10			19.0	0.0	
100	QPSK	1	265	13.10			19.0	0.0	
100	QPSK	1	266	13.10			19.0	0.0	
100	QPSK	1	267	13.10			19.0	0.0	
100	QPSK	1	268	13.10			19.0	0.0	
100	QPSK	1	269	13.10			19.0	0.0	
100	QPSK	1	270	13.10			19.0	0.0	
100	QPSK	1	271	13.10			19.0	0.0	
100	QPSK	156	0	13.07			19.0	0.0	
100	QPSK	156	80	13.07			19.0	0.0	
100	QPSK	1	128	13.04			19.0	0.0	
100	QPSK	1	262	13.03			19.0	0.0	
100	QPSK	1	263	13.03			19.0	0.0	
100	QPSK	1	264	13.03			19.0	0.0	
100	QPSK	1	265	13.03			19.0	0.0	
100	QPSK	1	266	13.03			19.0	0.0	
100	QPSK	1	267	13.03			19.0	0.0	
100	QPSK	1	268	13.03			19.0	0.0	
100	QPSK	1	269	13.03			19.0	0.0	
100	QPSK	1	270	13.03			19.0	0.0	
100	QPSK	1	271	13.03			19.0	0.0	
100	QPSK	156	0	13.00			19.0	0.0	
100	QPSK	156	80	13.00			19.0	0.0	
100	QPSK	1	127	12.97			19.0	0.0	
100	QPSK	1	261	12.96			19.0	0.0	
100	QPSK	1	262	12.96			19.0	0.0	
100	QPSK	1	263	12.96			19.0	0.0	
100	QPSK	1	264	12.96			19.0	0.0	
100	QPSK	1	265	12.96			19.0	0.0	
100	QPSK	1	266	12.96			19.0	0.0	
100	QPSK	1	267	12.96			19.0	0.0	
100	QPSK	1	268	12.96			19.0	0.0	
100	QPSK	1	269	12.96			19.0	0.0	
100	QPSK	1	270	12.96			19.0	0.0	
100	QPSK	1	271	12.96			19.0	0.0	
100	QPSK	156	0	12.93			19.0	0.0	
100	QPSK	156	80	12.93			19.0	0.0	
100	QPSK	1	126	12.90			19.0	0.0	
100	QPSK	1	260	12.89			19.0	0.0	
100	QPSK	1	261	12.89			19.0	0.0	
100	QPSK	1	262	12.89			19.0	0.0	
100	QPSK	1	263	12.89			19.0	0.0	
100	QPSK	1	264	12.89			19.0	0.0	
100	QPSK	1	265	12.89			19.0	0.0	
100	QPSK	1	266	12.89			19.0	0.0	
100	QPSK	1	267	12.89			19.0	0.0	
100	QPSK	1	268	12.89			19.0	0.0	
100	QPSK	1	269	12.89			19.0	0.0	
100	QPSK	1	270	12.89			19.0	0.0	
100	QPSK	1	271	12.89			19.0	0.0	
100	QPSK	156	0	12.86			19.0	0.0	
100	QPSK	156	80	12.86			19.0	0.0	
100	QPSK	1	125	12.83			19.0	0.0	
100	QPSK	1	259	12.82			19.0	0.0	
100	QPSK	1	260	12.82			19.0	0.0	
100	QPSK	1	261	12.82			19.0	0.0	
100	QPSK	1	262	12.82			19.0	0.0	
100	QPSK	1	263	12.82			19.0	0.0	
100	QPSK	1	264	12.82			19.0	0.0	
100	QPSK	1	265	12.82			19.0	0.0	
100	QPSK	1	266	12.82			19.0	0.0	
100	QPSK	1	267	12.82			19.0	0.0	
100	QPSK	1	268	12.82			19.0	0.0	
100	QPSK	1	269	12.82			19.0	0.0	
100	QPSK	1	270	12.82			19.0	0.0	
100	QPSK	1	271	12.82			19.0	0.0	
100	QPSK	156	0	12.79			19.0	0.0	
100	QPSK	156	80	12.79			19.0	0.0	
100	QPSK	1	124	12.76			19.0	0.0	
100	QPSK	1	258	12.75			19.0	0.0	
100	QPSK	1	259	12.75			19.0	0.0	
100	QPSK	1	260	12.75			19.0	0.0	
100	QPSK	1	261	12.75			19.0	0.0	
100	QPSK	1	262	12.75			19.0	0.0	
100	QPSK	1	263	12.75			19.0	0.0	
100	QPSK	1	264	12.75			19.0	0.0	
100	QPSK	1	265	12.75			19.0	0.0	
100	QPSK	1	266	12.75			19.0	0.0	
100	QPSK	1	267	12.75			19.0	0.0	
100	QPSK	1	268	12.75			19.0	0.0	
100	QPSK	1	269	12.75			19.0	0.0	
100	QPSK	1	270	12.75			19.0	0.0	
100	QPSK	1	271	12.75			19.0	0.0	
100	QPSK	156	0	12.72			19.0	0.0	
100	QPSK	156	80	12.72			19.0	0.0	
100	QPSK	1	123	12.69			19.0	0.0	
100	QPSK	1	257	12.68			19.0	0.0	
100	QPSK	1	258	12.68			19.0	0.0	
100	QPSK	1	259	12.68			19.0	0.0	
100	QPSK	1	260	12.68			19.0	0.0	
100	QPSK	1	261	12.68			19.0	0.0	
100	QPSK	1	262	12.68			19.0	0.0	
100	QPSK	1	263	12.68			19.0	0.0	
100	QPSK	1	264	12.68			19.0	0.0	
100	QPSK	1	265	12.68			19.0	0.0	
100	QPSK	1	266	12.68			19.0	0.0	
100	QPSK	1	267	12.68			19.0	0.0	
100	QPSK	1	268	12.68			19.0	0.0	
100	QPSK	1	269	12.68			19.0	0.0	
100	QPSK	1	270	12.68			19.0	0.0	
100	QPSK	1	271	12.68			19.0	0.0	
100	QPSK	156	0	12.65			19.0	0.0	
100	QPSK	156	80	12.65					

DSI 4 Power

n7_Ant 14												
DSI ID#s	Modulation	RB Size	RB Offset	Power 1st Ch. / Freq.	Power 2nd Ch. / Freq.	Power 3rd Ch. / Freq.	Turn-up time (sec)	MPT (dB)				
Frequency (MHz)												
40	P12-BPSK	1	1	16.55	16.51	16.48	16.2	0.0				
40	P12-BPSK	1	100	16.52	16.50	16.48						
40	P12-BPSK	1	200	16.52	16.50	16.50						
40	P12-BPSK	100	0	16.04	16.02	16.01	16.2	0.0				
40	P12-BPSK	100	64	16.01	16.01	16.00						
40	P12-BPSK	100	128	15.98	15.97	15.95						
40	P12-BPSK	200	0	16.00	16.00	16.00	16.2	0.0				
40	QPSK	1	1	16.07	16.05	16.02						
40	QPSK	1	100	16.07	16.02	16.00						
40	QPSK	1	200	16.07	16.02	16.00	16.2	0.0				
40	QPSK	100	0	16.00	16.00	16.00						
40	QPSK	100	64	16.00	16.00	16.00						
40	QPSK	100	128	16.02	16.00	16.00	16.2	0.0				
40	QPSK	200	0	16.00	16.00	16.00						
40	16QAM	1	1	16.00	16.00	16.00						
40	16QAM	1	1	16.00	16.00	16.00	16.2	0.0				
40	256QAM	1	1	16.00	16.00	16.00						
40	256QAM	1	1	16.00	16.00	16.00						
Channel												
Frequency (MHz)												
40	P12-BPSK	1	1	16.55	16.42	16.42	16.2	0.0				
40	P12-BPSK	1	100	16.50	16.40	16.40						
40	P12-BPSK	1	200	16.48	16.40	16.40						
40	P12-BPSK	100	0	16.04	16.03	16.03	16.2	0.0				
40	P12-BPSK	100	64	16.03	16.00	16.00						
40	P12-BPSK	100	128	16.04	16.00	16.00						
40	P12-BPSK	200	0	16.04	16.00	16.00	16.2	0.0				
40	QPSK	1	1	16.04	16.00	16.00						
40	QPSK	1	100	16.04	16.00	16.00						
40	QPSK	1	200	16.04	16.00	16.00	16.2	0.0				
40	QPSK	100	0	16.00	16.00	16.00						
40	QPSK	100	64	16.00	16.00	16.00						
40	QPSK	100	128	16.02	16.00	16.00	16.2	0.0				
40	QPSK	200	0	16.00	16.00	16.00						
40	16QAM	1	1	16.00	16.00	16.00						
40	16QAM	1	1	16.00	16.00	16.00	16.2	0.0				
40	256QAM	1	1	16.00	16.00	16.00						
40	256QAM	1	1	16.00	16.00	16.00						
Channel												
Frequency (MHz)												
40	P12-BPSK	1	1	16.55	16.56	16.57	16.2	0.0				
40	P12-BPSK	1	100	16.52	16.53	16.54						
40	P12-BPSK	1	200	16.50	16.50	16.50						
40	P12-BPSK	100	0	16.04	16.02	16.01	16.2	0.0				
40	P12-BPSK	100	64	16.01	16.01	16.00						
40	P12-BPSK	100	128	15.98	15.97	15.95						
40	P12-BPSK	200	0	16.00	16.00	16.00	16.2	0.0				
40	QPSK	1	1	16.07	16.05	16.02						
40	QPSK	1	100	16.07	16.02	16.00						
40	QPSK	1	200	16.07	16.02	16.00	16.2	0.0				
40	QPSK	100	0	16.00	16.00	16.00						
40	QPSK	100	64	16.00	16.00	16.00						
40	QPSK	100	128	16.02	16.00	16.00	16.2	0.0				
40	QPSK	200	0	16.00	16.00	16.00						
40	16QAM	1	1	16.00	16.00	16.00						
40	16QAM	1	1	16.00	16.00	16.00	16.2	0.0				
40	256QAM	1	1	16.00	16.00	16.00						
40	256QAM	1	1	16.00	16.00	16.00						
Channel												
Frequency (MHz)												
40	P12-BPSK	1	1	16.55	16.56	16.57	16.2	0.0				
40	P12-BPSK	1	100	16.52	16.53	16.54						
40	P12-BPSK	1	200	16.50	16.50	16.50						
40	P12-BPSK	100	0	16.04	16.02	16.01	16.2	0.0				
40	P12-BPSK	100	64	16.01	16.01	16.00						
40	P12-BPSK	100	128	15.98	15.97	15.95						
40	P12-BPSK	200	0	16.00	16.00	16.00	16.2	0.0				
40	QPSK	1	1	16.07	16.05	16.02						
40	QPSK	1	100	16.07	16.02	16.00						
40	QPSK	1	200	16.07	16.02	16.00	16.2	0.0				
40	QPSK	100	0	16.00	16.00	16.00						
40	QPSK	100	64	16.00	16.00	16.00						
40	QPSK	100	128	16.02	16.00	16.00	16.2	0.0				
40	QPSK	200	0	16.00	16.00	16.00						
40	16QAM	1	1	16.00	16.00	16.00						
40	16QAM	1	1	16.00	16.00	16.00	16.2	0.0				
40	256QAM	1	1	16.00	16.00	16.00						
40	256QAM	1	1	16.00	16.00	16.00						
Channel												
Frequency (MHz)												
40	P12-BPSK	1	1	16.55	16.56	16.57	16.2	0.0				
40	P12-BPSK	1	100	16.52	16.53	16.54						
40	P12-BPSK	1	200	16.50	16.50	16.50						
40	P12-BPSK	100	0	16.04	16.02	16.01	16.2	0.0				
40	P12-BPSK	100	64	16.01	16.01	16.00						
40	P12-BPSK	100	128	15.98	15.97	15.95						
40	P12-BPSK	200	0	16.00	16.00	16.00	16.2	0.0				
40	QPSK	1	1	16.07	16.05	16.02						
40	QPSK	1	100	16.07	16.02	16.00						
40	QPSK	1	200	16.07	16.02	16.00	16.2	0.0				
40	QPSK	100	0	16.00	16.00	16.00						
40	QPSK	100	64	16.00	16.00	16.00						
40	QPSK	100	128	16.02	16.00	16.00	16.2	0.0				
40	QPSK	200	0	16.00	16.00	16.00						
40	16QAM	1	1	16.00	16.00	16.00						
40	16QAM	1	1	16.00	16.00	16.00	16.2	0.0				
40	256QAM	1	1	16.00	16.00	16.00						
40	256QAM	1	1	16.00	16.00	16.00						
Channel												
Frequency (MHz)												
40	P12-BPSK	1	1	16.55	16.56	16.57	16.2	0.0				
40	P12-BPSK	1	100	16.52	16.53	16.54						
40	P12-BPSK	1	200	16.50	16.50	16.50						
40	P12-BPSK	100	0	16.04	16.02	16.01	16.2	0.0				
40	P12-BPSK	100	64	16.01	16.01	16.00						
40	P12-BPSK	100	128	15.98	15.97	15.95						
40	P12-BPSK	200	0	16.00	16.00	16.00	16.2	0.0				
40	QPSK	1	1	16.07	16.05	16.02						
40	QPSK	1	100	16.07	16.02	16.00						
40	QPSK	1	200	16.07	16.02	16.00	16.2	0.0				
40	QPSK	100	0	16.00	16.00	16.00						
40	QPSK	100	64	16.00	16.00	16.00						
40	QPSK	100	128	16.02	16.00	16.00	16.2	0.0				
40	QPSK	200	0	16.00	16.00	16.00						
40	16QAM	1	1	16.00	16.00	16.00						
40	16QAM	1	1	16.00	16.00	16.00	16.2	0.0				
40	256QAM	1	1	16.00	16.00	16.00						
40	256QAM	1	1	16.00	16.00	16.00						
Channel												
Frequency (MHz)												
40	P12-BPSK	1	1	16.55	16.56	16.57	16.2	0.0				
40	P12-BPSK	1	100	16.52	16.53	16.54						
40	P12-BPSK	1	200	16.50	16.50	16.50						
40	P12-BPSK	100	0	16.04	16.02	16.01	16.2	0.0				
40	P12-BPSK	100	64	16.01	16.01	16.00						
40	P12-BPSK	100	128	15.98	15.97	15.95						
40	P12-BPSK	200	0	16.00	16.00	16.00	16.2	0.0				
40	QPSK	1	1	16.07	16.05	16.02						
40	QPSK	1	100	16.07	16.02	16.00						
40	QPSK	1	200	16.07	16.02	16.00	16.2	0.0				
40	QPSK	100	0	16.00	16.00	16.00						
40	QPSK	100	64	16.00	16.00	16.00						
40	QPSK	100	128	16.02	16.00	16.00	16.2	0.0				
40	QPSK	200	0	16.00	16.00	16.00						
40	16QAM	1	1	16.00	16.00	16.00						
40	16QAM	1	1	16.00	16.00	16.00	16.2	0.0				
40	256QAM	1	1	16.00	16.00	16.00						
40	256QAM	1	1	16.00	16.00	16.00						
Channel												
Frequency (MHz)												
40	P12-BPSK	1	1	16.55	16.56	16.57	16.2	0.0				
40	P12-BPSK	1	100	16.52	16.53	16.54						
40	P12-BPSK	1	200	16.50	16.50	16.50						
40	P12-BPSK	100	0	16.04	16.02	16.01	16.2	0.0				
40	P12-BPSK	100	64	16.01	16.01	16.00						
40	P12-BPSK	100	128	15.98	15.97	15.95						
40	P12-BPSK	200	0	16.00	16.00	16.00	16.2	0.0				
40	QPSK	1	1	16.07	16.05	16.02						
40	QPSK	1	100	16.07	16.02	16.00						
40	QPSK	1	200	16.07	16.02	16.00	16.2	0.0				
40	QPSK	100	0	16.00	16.00	16.00						
40	QPSK	100	64	16.00	16.00	16.00						
40	QPSK	100	128	16.02	16.00	16.00	16.2	0.0				
40	QPSK	200	0	16.00	16.00	16.00						
40	16QAM	1	1	16.00	16.00	16.00						
40	16QAM	1	1	16.00	16.00	16.00	16.2	0.0				
40	256QAM	1	1	16.00	16.00	16.00						
40	256QAM	1	1	16.00	16.00	16.00						
Channel												
Frequency (MHz)												
40	P12-BPSK	1	1	16.55	16.56	16.57	16.2	0.0				
40	P12-BPSK	1	100	16.52	16.53	16.54						
40	P12-BPSK	1	200	16.50	16.50	16.50						
40	P12-BPSK	100	0	16.04	16.02	16.01	16.2	0.0				
40	P12-BPSK	100	64	16.01	16.01	16.00						
40	P12-BPSK	100	128	15.98	15.97	15.95						
40	P12-BPSK	200	0	16.00	16.00	16.00	16.2	0.0				
40	QPSK	1	1	16.07	16.05	16.02						
40	QPSK	1	100	16.07	16.02	16.00						
40	QPSK	1	200	16.07	16.02	16.00	16.2	0.0				
40	QPSK	100	0	16.00	16.00	16.00						
40	QPSK	100	64	16.00	16.00	16.00						
40	QPSK	100	128	16.02	16.00	16.00	16.2	0.0				
40	QPSK	200	0	16.00	16.00	16.00						
40	16QAM	1	1	16.00	16.00	16.00						
40	16QAM	1	1	16.00	16.00	16.00	16.2	0.0				
40	256QAM	1	1	16.00	16.00	16.00						
40	256QAM	1	1	16.00	16.00	16.00						
Channel												
Frequency (MHz)												
40	P1											

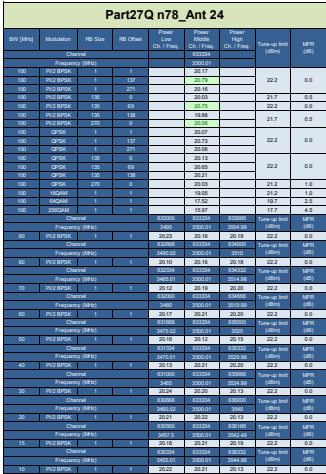
n7_Ant 12												
DSI ID#s	Modulation	RB Size	RB Offset	Power 1st Ch. / Freq.	Power 2nd Ch. / Freq.	Power 3rd Ch. / Freq.	Turn-up time (sec)	MPT (dB)				
Channel												
Frequency (MHz)												
30	P12-BPSK	1	1	22.80	22.12	22.10	24.2	0.0				
30	P12-BPSK	1	100	22.80	22.10	22.10						
30	P12-BPSK	1	200	22.80	22.08	22.08						
30	P12-BPSK	100	0	22.80	22.08	22.08	24.2	0.0				
30	P12-BPSK	100	64	22.80	22.08	22.08						
30	P12-BPSK	100	128	22.80	22.08	22.08						
30	P12-BPSK	200	0	22.80	22.08	22.08	24.2	0.0				
30	QPSK	1	1	22.80	22.07	22.07						
30	QPSK	1	100	22.80	22.07	22.07						
30	QPSK	1	200	22.80	22.06	22.06	24.2	0.0				
30	QPSK	100	0	22.80	22.06	22.06						
30	QPSK	100	64	22.80	22.06	22.06						
30	QPSK	100	128	22.80	22.06	22.06	24.2	0.0				
30	QPSK	200	0	22.80	22.06	22.06						
30	16QAM	1	1	22.80	22.06	22.06						
30	16QAM	1	1	22.80	22.06	22.06	24.2	0.0				
30	256QAM	1	1	22.80	22.06	22.06						
30	256QAM	1	1	22.80	22.06	22.06						
Channel												
Frequency (MHz)												
40	P12-BPSK	1	1	22.84	22.06	22.07	24.2	0.0				
40	P12-BPSK	1	100	22.80	22.06	22.06						
40	P12-BPSK	1	200	22.80	22.06	22.06						
40	P12-BPSK	100	0	22.81	22.07	22.07	24.2	0.0				
40	P12-BPSK	100	64	22.80	22.06	22.06						
40	P12-BPSK	100	128	22.80	22.06	22.06						
40	P12-BPSK	200	0	22.80	22.06	22.06	24.2	0.0				
40	QPSK	1	1	22.80	22.06	22.06						
40	QPSK	1	100	22.80	22.06	22.06						
40	QPSK	1	200	22.80	22.06	22.06	24.2	0.0				
40	QPSK	100	0	22.80	22.06	22.06						
40	QPSK	100	64	22.80	22.06	22.06						
40	QPSK	100	128	22.80	22.06	22.06	24.2	0.0				
40	QPSK	200	0	22.80	22.06	22.06						
40	16QAM	1	1	22.80	22.06	22.06						
40	16QAM	1	1	22.80	22.06	22.06	24.2	0.0				
40	256QAM	1	1	22.80	22.06	22.06						
40	256QAM	1	1	22.80	22.06	22.06						

n66_Ant 14									
DSI ID#s	Modulation	RB Size	RB Offset	Power 1st Ch. / Freq.	Power 2nd Ch. / Freq.	Power 3rd Ch. / Freq.	Turn-up time (sec)	MPT (dB)	
Channel									
Frequency (MHz)									
40	P12-BPSK	1	1	-16.54	-16.50	-16.51	16.5	0.0	
40	P12-BPSK	1	100	-16.52	-16.53	-16.54			
40	P12-BPSK	1	200	-16.50	-16.49	-16.50			
40	P12-BPSK	100	0	-16.03	-16.00	-16.00	16.5	0.0	
40	P12-BPSK	100	64	-16.03	-16.00	-16.00			
40	P12-BPSK	100	128	-16.03	-16.00	-16.00			
40	P12-BPSK	200	0	-16.03	-16.01	-16.00	16.5	0.0	
40	QPSK	1	1	-16.03	-16.00	-16.00			
40	QPSK	1	100	-16.03	-16.00	-16.00			
40	QPSK	1	200	-16.03	-16.00	-16.00	16.5	0.0	
40	QPSK	100	0	-16.00	-16.00	-16.00			
40	QPSK	100	64	-16.00	-16.00	-16.00			
40	QPSK	100	128	-16.02	-16.00	-16.00	16.5	0.0	
40	QPSK	200	0	-16.00	-16.00	-16.00			
40	16QAM	1	1	-16.00	-16.00	-16.00			
40	16QAM	1	1	-16.00	-16.00	-16.00	16.5	0.0	
40	256QAM	1	1	-16.00	-16.00	-16.00			
40	256QAM	1	1	-16.00	-16.00	-16.00	16.5	0.0	
40	256QAM	1	1	-16.00	-16.00	-16.00			
Channel 1									
Frequency (MHz)				30000	19500	20000	16.5	0.0	0.0
30	P12-BPSK	1	1	-16.54	-16.48	-16.52	16.5	0.0	
30	P12-BPSK	1	100	-16.52	-16.49	-16.51			
30	P12-BPSK	1	200	-16.50	-16.49	-16.50			
30	P12-BPSK	100	0	-16.03	-16.00	-16.00	16.5	0.0	
30	P12-BPSK	100	64	-16.03	-16.00	-16.00			
30	P12-BPSK	100	128	-16.03	-16.00	-16.00			
30	P12-BPSK	200	0	-16.03	-16.01	-16.00	16.5	0.0	
30	QPSK	1	1	-16.03	-16.00	-16.00			
30	QPSK	1	100	-16.03	-16.00	-16.00			
30	QPSK	1	200	-16.03	-16.00	-16.00	16.5	0.0	
30	QPSK	100	0	-16.00	-16.00	-16.00			
30	QPSK	100	64	-16.00	-16.00	-16.00			
30	QPSK	100	128	-16.02	-16.00	-16.00	16.5	0.0	
30	QPSK	200	0	-16.00	-16.00	-16.00			
30	16QAM	1	1	-16.00	-16.00	-16.00			
30	16QAM	1	1	-16.00	-16.00	-16.00	16.5	0.0	
30	256QAM	1	1	-16.00	-16.00	-16.00			
30	256QAM	1	1	-16.00	-16.00	-16.00	16.5	0.0	
30	256QAM	1	1	-16.00	-16.00	-16.00			
Channel 2									
Frequency (MHz)				30000	19500	19900	16.5	0.0	0.0
30	P12-BPSK	1	1	-16.54	-16.48	-16.52	16.5	0.0	
30	P12-BPSK	1	100	-16.52	-16.49	-16.51			
30	P12-BPSK	1	200	-16.50	-16.49	-16.50			
30	P12-BPSK	100	0	-16.03	-16.00	-16.00	16.5	0.0	
30	P12-BPSK	100	64	-16.03	-16.00	-16.00			
30	P12-BPSK	100	128	-16.03	-16.00	-16.00			
30	P12-BPSK	200	0	-16.03	-16.01	-16.00	16.5	0.0	
30	QPSK	1	1	-16.03	-16.00	-16.00			
30	QPSK	1	100	-16.03	-16.00	-16.00			
30	QPSK	1	200	-16.03	-16.00	-16.00	16.5	0.0	
30	QPSK	100	0	-16.00	-16.00	-16.00			
30	QPSK	100	64	-16.00	-16.00	-16.00			
30	QPSK	100	128	-16.02	-16.00	-16.00	16.5	0.0	
30	QPSK	200	0	-16.00	-16.00	-16.00			
30	16QAM	1	1	-16.00	-16.00	-16.00			
30	16QAM	1	1	-16.00	-16.00	-16.00	16.5	0.0	
30	256QAM	1	1	-16.00	-16.00	-16.00			
30	256QAM	1	1	-16.00	-16.00	-16.00	16.5	0.0	
30	256QAM	1	1	-16.00	-16.00	-16.00			
Channel 3									
Frequency (MHz)				30000	19500	19900	16.5	0.0	0.0
30	P12-BPSK	1	1	-16.54	-16.48	-16.52	16.5	0.0	
30	P12-BPSK	1	100	-16.52	-16.49	-16.51			
30	P12-BPSK	1	200	-16.50	-16.49	-16.50			
30	P12-BPSK	100	0	-16.03	-16.00	-16.00	16.5	0.0	
30	P12-BPSK	100	64	-16.03	-16.00	-16.00			
30	P12-BPSK	100	128	-16.03	-16.00	-16.00			
30	P12-BPSK	200	0	-16.03	-16.01	-16.00	16.5	0.0	
30	QPSK	1	1	-16.03	-16.00	-16.00			
30	QPSK	1	100	-16.03	-16.00	-16.00			
30	QPSK	1	200	-16.03	-16.00	-16.00	16.5	0.0	
30	QPSK	100	0	-16.00	-16.00	-16.00			
30	QPSK	100	64	-16.00	-16.00	-16.00			
30	QPSK	100	128	-16.02	-16.00	-16.00	16.5	0.0	
30	QPSK	200	0	-16.00	-16.00	-16.00			
30	16QAM	1	1	-16.00	-16.00	-16.00			
30	16QAM	1	1	-16.00	-16.00	-16.00	16.5	0.0	
30	256QAM	1	1	-16.00	-16.00	-16.00			
30	256QAM	1	1	-16.00	-16.00	-16.00	16.5	0.0	
30	256QAM	1	1	-16.00	-16.00	-16.00			
Channel 4									
Frequency (MHz)				30000	19500	19900	16.5	0.0	0.0
30	P12-BPSK	1	1	-16.54	-16.48	-16.52	16.5	0.0	
30	P12-BPSK	1	100	-16.52	-16.49	-16.51			
30	P12-BPSK	1	200	-16.50	-16.49	-16.50			
30	P12-BPSK	100	0	-16.03	-16.00	-16.00	16.5	0.0	
30	P12-BPSK	100	64	-16.03	-16.00	-16.00			
30	P12-BPSK	100	128	-16.03	-16.00	-16.00			
30	P12-BPSK	200	0	-16.03	-16.01	-16.00	16.5	0.0	
30	QPSK	1	1	-16.03	-16.00	-16.00			
30	QPSK	1	100	-16.03	-16.00	-16.00			
30	QPSK	1	200	-16.03	-16.00	-16.00	16.5	0.0	
30	QPSK	100	0	-16.00	-16.00	-16.00			
30	QPSK	100	64	-16.00	-16.00	-16.00			
30	QPSK	100	128	-16.02	-16.00	-16.00	16.5	0.0	
30	QPSK	200	0	-16.00	-16.00	-16.00			
30	16QAM	1	1	-16.00	-16.00	-16.00			
30	16QAM	1	1	-16.00	-16.00	-16.00	16.5	0.0	
30	256QAM	1	1	-16.00	-16.00	-16.00			
30	256QAM	1	1	-16.00	-16.00	-16.00	16.5	0.0	
30	256QAM	1	1	-16.00	-16.00	-16.00			
Channel 5									
Frequency (MHz)				30000	19500	19900	16.5	0.0	0.0
30	P12-BPSK	1	1	-16.54	-16.48	-16.52	16.5	0.0	
30	P12-BPSK	1	100	-16.52	-16.49	-16.51			
30	P12-BPSK	1	200	-16.50	-16.49	-16.50			
30	P12-BPSK	100	0	-16.03	-16.00	-16.00	16.5	0.0	
30	P12-BPSK	100	64	-16.03	-16.00	-16.00			
30	P12-BPSK	100	128	-16.03	-16.00	-16.00			
30	P12-BPSK	200	0	-16.03	-16.01	-16.00	16.5	0.0	
30	QPSK	1	1	-16.03	-16.00	-16.00			
30	QPSK	1	100	-16.03	-16.00	-16.00			
30	QPSK	1	200	-16.03	-16.00	-16.00	16.5	0.0	
30	QPSK	100	0	-16.00	-16.00	-16.00			
30	QPSK	100	64	-16.00	-16.00	-16.00			
30	QPSK	100	128	-16.02	-16.00	-16.00	16.5	0.0	
30	QPSK	200	0	-16.00	-16.00	-16.00			
30	16QAM	1	1	-16.00	-16.00	-16.00			
30	16QAM	1	1	-16.00	-16.00	-16.00	16.5	0.0	
30	256QAM	1	1	-16.00	-16.00	-16.00			
30	256QAM	1	1	-16.00	-16.00	-16.00	16.5	0.0	
30	256QAM	1	1	-16.00	-16.00	-16.00			

[illegible]

Part27Q n78_Ant 23								
SW (MHz)	Modulation	Channel	RF Offset	15 dBm	Power Spectrum Density	Power Spectrum Density On-Off	Reference Signal	SNR (dB)
100	PSK 8PSK	1	0	15.81	-158.1	-158.1	17.9	0.0
100	PSK 8PSK	1	1	15.77	-157.7	-157.7	17.9	0.0
100	PSK 8PSK	1	2	15.80	-158.0	-158.0	17.9	0.0
100	PSK 8PSK	1	3	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	4	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	5	15.77	-157.7	-157.7	17.9	0.0
100	PSK 8PSK	1	6	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	7	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	8	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	9	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	10	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	11	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	12	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	13	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	14	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	15	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	16	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	17	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	18	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	19	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	20	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	21	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	22	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	23	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	24	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	25	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	26	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	27	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	28	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	29	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	30	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	31	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	32	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	33	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	34	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	35	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	36	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	37	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	38	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	39	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	40	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	41	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	42	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	43	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	44	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	45	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	46	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	47	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	48	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	49	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	50	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	51	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	52	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	53	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	54	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	55	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	56	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	57	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	58	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	59	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	60	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	61	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	62	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	63	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	64	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	65	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	66	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	67	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	68	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	69	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	70	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	71	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	72	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	73	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	74	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	75	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	76	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	77	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	78	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	79	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	80	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	81	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	82	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	83	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	84	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	85	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	86	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	87	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	88	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	89	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	90	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	91	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	92	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	93	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	94	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	95	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	96	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	97	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	98	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	99	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	100	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	101	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	102	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	103	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	104	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	105	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	106	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	107	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	108	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	109	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	110	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	111	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	112	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	113	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	114	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	115	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	116	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	117	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	118	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	119	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	120	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	121	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	122	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	123	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	124	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	125	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	126	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	127	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	128	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	129	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	130	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	131	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	132	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	133	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	134	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	135	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	136	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	137	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	138	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	139	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	140	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	141	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	142	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	143	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	144	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1	145	15.79	-157.9	-157.9	17.9	0.0
100	PSK 8PSK	1	146	15.78	-157.8	-157.8	17.9	0.0
100	PSK 8PSK	1						

[illegible]



Part270 n78_Ant 24									
SW [MHz]	Subcarrier	File Size	File Offset	File C/L [MHz]	Header Start [MHz]	Header End [MHz]	Header Frac. [Hz]	Starting Time [s]	SWR [dB]
100	PIC270 n78	1	0	20.11					
100	PIC270 n78	1	0	20.11				22.2	0.2
100	PIC270 n78	1	201	20.03				22.2	0.2
100	PIC270 n78	1	401	20.03				22.2	0.2
100	PIC270 n78	1	601	20.03				22.2	0.2
100	PIC270 n78	1	801	20.03				22.2	0.2
100	PIC270 n78	1	1001	20.04				22.2	0.2
100	PIC270 n78	1	1201	20.04				22.2	0.2
100	PIC270 n78	1	1401	20.04				22.2	0.2
100	PIC270 n78	1	1601	20.04				22.2	0.2
100	PIC270 n78	1	1801	20.04				22.2	0.2
100	PIC270 n78	1	2001	20.04				22.2	0.2
100	PIC270 n78	1	2201	20.04				22.2	0.2
100	PIC270 n78	1	2401	20.04				22.2	0.2
100	PIC270 n78	1	2601	20.04				22.2	0.2
100	PIC270 n78	1	2801	20.04				22.2	0.2
100	PIC270 n78	1	3001	20.04				22.2	0.2
100	PIC270 n78	1	3201	20.04				22.2	0.2
100	PIC270 n78	1	3401	20.04				22.2	0.2
100	PIC270 n78	1	3601	20.04				22.2	0.2
100	PIC270 n78	1	3801	20.04				22.2	0.2
100	PIC270 n78	1	4001	20.04				22.2	0.2
100	PIC270 n78	1	4201	20.04				22.2	0.2
100	PIC270 n78	1	4401	20.04				22.2	0.2
100	PIC270 n78	1	4601	20.04				22.2	0.2
100	PIC270 n78	1	4801	20.04				22.2	0.2
100	PIC270 n78	1	5001	20.04				22.2	0.2
100	PIC270 n78	1	5201	20.04				22.2	0.2
100	PIC270 n78	1	5401	20.04				22.2	0.2
100	PIC270 n78	1	5601	20.04				22.2	0.2
100	PIC270 n78	1	5801	20.04				22.2	0.2
100	PIC270 n78	1	6001	20.04				22.2	0.2
100	PIC270 n78	1	6201	20.04				22.2	0.2
100	PIC270 n78	1	6401	20.04				22.2	0.2
100	PIC270 n78	1	6601	20.04				22.2	0.2
100	PIC270 n78	1	6801	20.04				22.2	0.2
100	PIC270 n78	1	7001	20.04				22.2	0.2
100	PIC270 n78	1	7201	20.04				22.2	0.2
100	PIC270 n78	1	7401	20.04				22.2	0.2
100	PIC270 n78	1	7601	20.04				22.2	0.2
100	PIC270 n78	1	7801	20.04				22.2	0.2
100	PIC270 n78	1	8001	20.04				22.2	0.2
100	PIC270 n78	1	8201	20.04				22.2	0.2
100	PIC270 n78	1	8401	20.04				22.2	0.2
100	PIC270 n78	1	8601	20.04				22.2	0.2
100	PIC270 n78	1	8801	20.04				22.2	0.2
100	PIC270 n78	1	9001	20.04				22.2	0.2
100	PIC270 n78	1	9201	20.04				22.2	0.2
100	PIC270 n78	1	9401	20.04				22.2	0.2
100	PIC270 n78	1	9601	20.04				22.2	0.2
100	PIC270 n78	1	9801	20.04				22.2	0.2
100	PIC270 n78	1	10000	20.04				22.2	0.2
100	PIC270 n78	1	10200	20.04				22.2	0.2
100	PIC270 n78	1	10400	20.04				22.2	0.2
100	PIC270 n78	1	10600	20.04				22.2	0.2
100	PIC270 n78	1	10800	20.04				22.2	0.2
100	PIC270 n78	1	11000	20.04				22.2	0.2
100	PIC270 n78	1	11200	20.04				22.2	0.2
100	PIC270 n78	1	11400	20.04				22.2	0.2
100	PIC270 n78	1	11600	20.04				22.2	0.2
100	PIC270 n78	1	11800	20.04				22.2	0.2
100	PIC270 n78	1	12000	20.04				22.2	0.2
100	PIC270 n78	1	12200	20.04				22.2	0.2
100	PIC270 n78	1	12400	20.04				22.2	0.2
100	PIC270 n78	1	12600	20.04				22.2	0.2
100	PIC270 n78	1	12800	20.04				22.2	0.2
100	PIC270 n78	1	13000	20.04				22.2	0.2
100	PIC270 n78	1	13200	20.04				22.2	0.2
100	PIC270 n78	1	13400	20.04				22.2	0.2
100	PIC270 n78	1	13600	20.04				22.2	0.2
100	PIC270 n78	1	13800	20.04				22.2	0.2
100	PIC270 n78	1	14000	20.04				22.2	0.2
100	PIC270 n78	1	14200	20.04				22.2	0.2
100	PIC270 n78	1	14400	20.04				22.2	0.2
100	PIC270 n78	1	14600	20.04				22.2	0.2
100	PIC270 n78	1	14800	20.04				22.2	0.2
100	PIC270 n78	1	15000	20.04				22.2	0.2
100	PIC270 n78	1	15200	20.04				22.2	0.2
100	PIC270 n78	1	15400	20.04				22.2	0.2
100	PIC270 n78	1	15600	20.04				22.2	0.2
100	PIC270 n78	1	15800	20.04				22.2	0.2
100	PIC270 n78	1	16000	20.04				22.2	0.2
100	PIC270 n78	1	16200	20.04				22.2	0.2
100	PIC270 n78	1	16400	20.04				22.2	0.2
100	PIC270 n78	1	16600	20.04				22.2	0.2
100	PIC270 n78	1	16800	20.04				22.2	0.2
100	PIC270 n78	1	17000	20.04				22.2	0.2
100	PIC270 n78	1	17200	20.04				22.2	0.2
100	PIC270 n78	1	17400	20.04				22.2	0.2
100	PIC270 n78	1	17600	20.04				22.2	0.2
100	PIC270 n78	1	17800	20.04				22.2	0.2
100	PIC270 n78	1	18000	20.04				22.2	0.2
100	PIC270 n78	1	18200	20.04				22.2	0.2
100	PIC270 n78	1	18400	20.04				22.2	0.2
100	PIC270 n78	1	18600	20.04				22.2	0.2
100	PIC270 n78	1	18800	20.04				22.2	0.2
100	PIC270 n78	1	19000	20.04				22.2	0.2
100	PIC270 n78	1	19200	20.04				22.2	0.2
100	PIC270 n78	1	19400	20.04				22.2	0.2
100	PIC270 n78	1	19600	20.04				22.2	0.2
100	PIC270 n78	1	19800	20.04				22.2	0.2
100	PIC270 n78	1	20000	20.04				22.2	0.2
100	PIC270 n78	1	20200	20.04				22.2	0.2
100	PIC270 n78	1	20400	20.04				22.2	0.2
100	PIC270 n78	1	20600	20.04				22.2	0.2
100	PIC270 n78	1	20800	20.04				22.2	0.2
100	PIC270 n78	1	21000	20.04				22.2	0.2
100	PIC270 n78	1	21200	20.04				22.2	0.2
100	PIC270 n78	1	21400	20.04				22.2	0.2
100	PIC270 n78	1	21600	20.04				22.2	0.2
100	PIC270 n78	1	21800	20.04				22.2	0.2
100	PIC270 n78	1	22000	20.04				22.2	0.2
100	PIC270 n78	1	22200	20.04				22.2	0.2
100	PIC270 n78	1	22400	20.04				22.2	0.2
100	PIC270 n78	1	22600	20.04				22.2	0.2
100	PIC270 n78	1	22800	20.04				22.2	0.2
100	PIC270 n78	1	23000	20.04				22.2	0.2
100	PIC270 n78	1	23200	20.04				22.2	0.2
100	PIC270 n78	1	23400	20.04				22.2	0.2
100	PIC270 n78	1	23600	20.04				22.2	0.2
100	PIC270 n78	1	23800	20.04				22.2	0.2
100	PIC270 n78	1	24000	20.04				22.2	0.2
100	PIC270 n78	1	24200	20.04				22.2	0.2
100	PIC270 n78	1	24400	20.04				22.2	0.2
100	PIC270 n78	1	24600	20.04				22.2	0.2
100	PIC270 n78	1	24800	20.04				22.2	0.2
100	PIC270 n78	1	25000	20.04				22.2	0.2
100	PIC270 n78	1	25200	20.04				22.2	0.2
100	PIC270 n78	1	25400	20.04				22.2	0.2
100	PIC270 n78	1	25600	20.04				22.2	0.2
100	PIC270 n78	1	25800	20.04				22.2	0.2
100	PIC270 n78	1	26000	20.04				22.2	0.2
100	PIC270 n78	1	26200	20.04				22.2	0.2
100	PIC270 n78	1	26400	20.04				22.2	0.2
100	PIC270 n78	1	26600	20.04				22.2	0.2
100	PIC270 n78	1	26800	20.04				22.2	0.2
100	PIC270 n78	1	27000	20.04				22.2	0.2
100	PIC270 n78	1	27200	20.04				22.2	0.2
100	PIC270 n78	1	27400	20.04				22.2	0.2
100	PIC270 n78	1	27600	20.04				22.2	0.2
100	PIC270 n78	1	27800	20.04				22.2	0.2
100	PIC270 n78	1	28000	20.04				22.2	0.2
100	PIC270 n78	1	28200	20.04				22.2	0.2
100	PIC270 n78	1	28400	20.04				22.2	0.2
100	PIC270 n78	1	28600	20.04				22.2	0.2
100	PIC270 n78	1	28800	20.04				22.2	0.2
100	PIC270 n78	1	29000	20.04				22.2	0.2
100	PIC270 n78	1	29200	20.04				22.2	0.2
100	PIC270 n78	1	29400	20.04				22.2	0.2
100	PIC270 n78	1	29600	20.04				22.2	0.2
100	PIC270 n78	1	29800	20.04				22.2	0.2
100	PIC270 n78	1	30000	20.04				22.2	0.2
100	PIC270 n78	1	30200	20.04				22.2	0.2
100	PIC270 n78	1	30400	20.04				22.2	0.2
100	PIC270 n78	1	30600	20.04				22.2	0.2
100	PIC270 n78	1	30800	20.04				22.2	0.2

Part27Q n78_Ant 101									
Job (MHz)	Substation	File Size	File Offset	File Type	Channel	Station Name	Power (mW)	Frequency (MHz)	Modulation
100	PTSD PTSD	1	1	15.55				21.4	0.0
100	Frequency Offset			15.55					
100	Channel			15.55					
100	PTSD PTSD	1	1	15.57				21.5	0.0
100	Frequency Offset			15.57				21.5	0.0
100	Channel			15.57					
100	PTSD PTSD	126	126	20.51				21.5	0.0
100	Frequency Offset			20.51					
100	Channel			20.51					
100	PTSD PTSD	1	1	19.42				21.9	0.0
100	Frequency Offset			19.42					
100	Channel			19.42					
100	PTSD PTSD	1	271	19.50					
100	Frequency Offset			19.50					
100	Channel			19.50					
100	PTSD PTSD	126	126	20.11				21.5	0.0
100	Frequency Offset			20.11					
100	Channel			20.11					
100	PTSD PTSD	1	1	19.05				21.3	0.0
100	Frequency Offset			19.05					
100	Channel			19.05					
100	PTSD PTSD	1	1	20.20				21.5	0.0
100	Frequency Offset			20.20					
100	Channel			20.20					
100	PTSD PTSD	1	1	19.79				20.5	0.0
100	Frequency Offset			19.79					
100	Channel			19.79					
80	PTSD PTSD	1	1	15.55				21.5	0.0
80	Frequency Offset			15.55					
80	Channel			15.55					
80	PTSD PTSD	1	1	15.57				21.5	0.0
80	Frequency Offset			15.57					
80	Channel			15.57					
80	PTSD PTSD	1	1	15.55				19.05	0.0
80	Frequency Offset			15.55					
80	Channel			15.55					
70	PTSD PTSD	1	1	15.55				19.05	0.0
70	Frequency Offset			15.55					
70	Channel			15.55					
70	PTSD PTSD	1	1	15.57				19.05	0.0
70	Frequency Offset			15.57					
70	Channel			15.57					
70	PTSD PTSD	1	1	15.55				19.05	0.0
70	Frequency Offset			15.55					
70	Channel			15.55					
60	PTSD PTSD	1	1	15.54				19.05	0.0
60	Frequency Offset			15.54					
60	Channel			15.54					
60	PTSD PTSD	1	1	15.57				19.05	0.0
60	Frequency Offset			15.57					
60	Channel			15.57					
60	PTSD PTSD	1	1	15.55				19.05	0.0
60	Frequency Offset			15.55					
60	Channel			15.55					
60	PTSD PTSD	1	1	15.55				19.05	0.0
60	Frequency Offset			15.55					
60	Channel			15.55					
60	PTSD PTSD	1	1	15.57				19.05	0.0
60	Frequency Offset			15.57					
60	Channel			15.57					
60	PTSD PTSD	1	1	15.55				19.05	0.0
60	Frequency Offset			15.55					
60	Channel			15.55					
60	PTSD PTSD	1	1	15.57				19.05	0.0
60	Frequency Offset			15.57					
60	Channel			15.57					
60	PTSD PTSD	1	1	15.55				19.05	0.0
60	Frequency Offset			15.55					
60	Channel			15.55					
60	PTSD PTSD	1	1	15.57				19.05	0.0
60	Frequency Offset			15.57					
60	Channel			15.57					
60	PTSD PTSD	1	1	15.55				19.05	0.0
60	Frequency Offset			15.55					
60	Channel			15.55					
60	PTSD PTSD	1	1	15.57				19.05	0.0
60	Frequency Offset			15.57					
60	Channel			15.57					
60	PTSD PTSD	1	1	15.55				19.05	0.0
60	Frequency Offset			15.55					
60	Channel			15.55					
60	PTSD PTSD	1	1	15.57				19.05	0.0
60	Frequency Offset			15.57					
60	Channel			15.57					
60	PTSD PTSD	1	1	15.55				19.05	0.0
60	Frequency Offset			15.55					
60	Channel			15.55					
60	PTSD PTSD	1	1	15.57				19.05	0.0
60	Frequency Offset			15.57					
60	Channel			15.57					
60	PTSD PTSD	1	1	15.55				19.05	0.0
60	Frequency Offset			15.55					
60	Channel			15.55					
60	PTSD PTSD	1	1	15.57				19.05	0.0
60	Frequency Offset			15.57					
60	Channel			15.57					
60	PTSD PTSD	1	1	15.55				19.05	0.0
60	Frequency Offset			15.55					
60	Channel			15.55					
60	PTSD PTSD	1	1	15.57				19.05	0.0
60	Frequency Offset			15.57					
60	Channel			15.57					
60	PTSD PTSD	1	1	15.55				19.05	0.0
60	Frequency Offset			15.55					
60	Channel			15.55					
60	PTSD PTSD	1	1	15.57				19.05	0.0
60	Frequency Offset			15.57					
60	Channel			15.57					
60	PTSD PTSD	1	1	15.55				19.05	0.0
60	Frequency Offset			15.55					
60	Channel			15.55					
60	PTSD PTSD	1	1	15.57				19.05	0.0
60	Frequency Offset			15.57					
60	Channel			15.57					
60	PTSD PTSD	1	1	15.55				19.05	0.0
60	Frequency Offset			15.55					
60	Channel			15.55					
60	PTSD PTSD	1	1	15.57				19.05	0.0
60	Frequency Offset			15.57					
60	Channel			15.57					
60	PTSD PTSD	1	1	15.55				19.05	0.0
60	Frequency Offset			15.55					
60	Channel			15.55					
60	PTSD PTSD	1	1	15.57				19.05	0.0
60	Frequency Offset			15.57					
60	Channel			15.57					
60	PTSD PTSD	1	1	15.55				19.05	0.0
60	Frequency Offset			15.55					
60	Channel			15.55					
60	PTSD PTSD	1	1	15.57				19.05	0.0
60	Frequency Offset			15.57					
60	Channel			15.57					
60	PTSD PTSD	1	1	15.55				19.05	0.0
60	Frequency Offset			15.55					
60	Channel			15.55					
60	PTSD PTSD	1	1	15.57				19.05	0.0
60	Frequency Offset			15.57					
60	Channel			15.57					
60	PTSD PTSD	1	1	15.55				19.05	0.0
60	Frequency Offset			15.55					
60	Channel			15.55					
60	PTSD PTSD	1	1	15.57				19.05	0.0
60	Frequency Offset			15.57					
60	Channel			15.57					
60	PTSD PTSD	1	1	15.55				19.05	0.0
60	Frequency Offset			15.55					
60	Channel			15.55					
60	PTSD PTSD	1	1	15.57				19.05	0.0
60	Frequency Offset			15.57					
60	Channel			15.57					
60	PTSD PTSD	1	1	15.55				19.05	0.0
60	Frequency Offset			15.55					
60	Channel			15.55					
60	PTSD PTSD	1	1	15.57				19.05	0.0
60	Frequency Offset			15.57					
60	Channel			15.57					
60	PTSD PTSD	1	1	15.55				19.05	0.0
60	Frequency Offset			15.55					
60	Channel			15.55					
60	PTSD PTSD	1	1	15.57				19.05	0.0
60	Frequency Offset			15.57					
60	Channel			15.57					
60	PTSD PTSD	1	1	15.55				19.05	0.0
60	Frequency Offset			15.55					
60	Channel			15.55					
60	PTSD PTSD	1	1	15.57				19.05	0.0
60	Frequency Offset			15.57					
60	Channel			15.57					
60	PTSD PTSD	1	1	15.55				19.05	0.0
60	Frequency Offset			15.55					
60	Channel			15.55					
60	PTSD PTSD	1	1	15.57				19.05	0.0
60	Frequency Offset			15.57					
60	Channel			15.57					
60	PTSD PTSD	1	1	15.55				19.05	0.0
60	Frequency Offset			15.55					
60	Channel			15.55					
60	PTSD PTSD	1	1	15.57				19.05	0.0
60	Frequency Offset			15.57					
60	Channel			15.57					
60	PTSD PTSD	1	1	15.55				19.05	0.0
60	Frequency Offset			15.55					
60	Channel			15.55					
60	PTSD PTSD	1	1	15.57				19.05	0.0
60	Frequency Offset			15.57					
60	Channel			15.57					
60	PTSD PTSD	1	1	15.55				19.05	0.0
60	Frequency Offset			15.55					
60	Channel			15.55					
60	PTSD PTSD	1	1	15.57				19.05	0.0
60	Frequency Offset			15.57					
60	Channel			15.57					
60	PTSD PTSD	1	1	15.55				19.05	0.0
60	Frequency Offset			15.55					
60	Channel			15.55					
60	PTSD PTSD	1	1	15.57				19.05	0.0
60	Frequency Offset			15.57					
60	Channel			15.57					
60	PTSD PTSD	1	1	15.55				19.05	0.0
60	Frequency Offset			15.55					
60	Channel			15.55					
60	PTSD PTSD	1	1	15.57				19.05</	

[illegible]

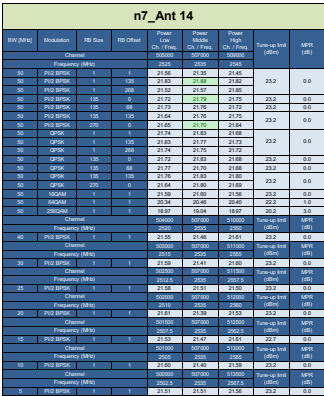


Part27Q n78_Ant 13									
REV (MHz)	Modulation	RF Size	RF Offset	Power Level CL / Pmax	Power Attenu. CL / Pmax	Power Type CL / Pmax	Turn-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
160	P12-BPSK	1	1		11.87			12.5	0.0
160	P12-BPSK	1	127		11.85				
160	P12-BPSK	1	251		11.88			12.5	0.0
160	P12-BPSK	156	0		12.03				
160	P12-BPSK	156	66		11.85			12.5	0.0
160	P12-BPSK	250	0		11.82			12.5	0.0
160	QPSK	1	1		12.06				
160	QPSK	1	127		11.93			12.5	0.0
160	QPSK	1	251		11.97				
160	QPSK	156	0		11.97			12.5	0.0
160	QPSK	156	66		11.93				
160	QPSK	250	0		11.40			12.5	0.0
160	4QAM	1	1		11.95			12.5	0.0
160	25QAM	1	1		11.94			12.5	0.0
Channel									
Frequency (MHz)									
90	P12-BPSK	1	1		11.92			12.4	0.0
90	P12-BPSK	1	127		11.92				
90	P12-BPSK	1	251		11.92			12.4	0.0
90	P12-BPSK	156	0		12.03				
90	P12-BPSK	156	66		11.92			12.4	0.0
90	P12-BPSK	250	0		11.92			12.4	0.0
90	QPSK	1	1		12.06				
90	QPSK	1	127		11.93			12.4	0.0
90	QPSK	1	251		11.97				
90	QPSK	156	0		11.97			12.4	0.0
90	QPSK	156	66		11.93				
90	QPSK	250	0		11.40			12.4	0.0
90	4QAM	1	1		11.95			12.4	0.0
90	25QAM	1	1		11.94			12.4	0.0
Channel									
Frequency (MHz)									
30	P12-BPSK	1	1		11.92			12.4	0.0
30	P12-BPSK	1	127		11.92				
30	P12-BPSK	1	251		11.92			12.4	0.0
30	P12-BPSK	156	0		12.03				
30	P12-BPSK	156	66		11.92			12.4	0.0
30	P12-BPSK	250	0		11.92			12.4	0.0
30	QPSK	1	1		12.06				
30	QPSK	1	127		11.93			12.4	0.0
30	QPSK	1	251		11.97				
30	QPSK	156	0		11.97			12.4	0.0
30	QPSK	156	66		11.93				
30	QPSK	250	0		11.40			12.4	0.0
30	4QAM	1	1		11.95			12.4	0.0
30	25QAM	1	1		11.94			12.4	0.0
Channel									
Frequency (MHz)									
15	P12-BPSK	1	1		11.91			12.3	0.0
15	P12-BPSK	1	127		11.91				
15	P12-BPSK	1	251		11.91			12.3	0.0
15	P12-BPSK	156	0		12.02				
15	P12-BPSK	156	66		11.91			12.3	0.0
15	P12-BPSK	250	0		11.91			12.3	0.0
15	QPSK	1	1		12.05				
15	QPSK	1	127		11.92			12.3	0.0
15	QPSK	1	251		11.96				
15	QPSK	156	0		11.96			12.3	0.0
15	QPSK	156	66		11.92				
15	QPSK	250	0		11.39			12.3	0.0
15	4QAM	1	1		11.94			12.3	0.0
15	25QAM	1	1		11.93			12.3	0.0
Channel									
Frequency (MHz)									
5	P12-BPSK	1	1		11.90			12.3	0.0
5	P12-BPSK	1	127		11.90				
5	P12-BPSK	1	251		11.90			12.3	0.0
5	P12-BPSK	156	0		12.01				
5	P12-BPSK	156	66		11.90			12.3	0.0
5	P12-BPSK	250	0		11.90			12.3	0.0
5	QPSK	1	1		12.04				
5	QPSK	1	127		11.91			12.3	0.0
5	QPSK	1	251		11.95				
5	QPSK	156	0		11.95			12.3	0.0
5	QPSK	156	66		11.91				
5	QPSK	250	0		11.38			12.3	0.0
5	4QAM	1	1		11.93			12.3	0.0
5	25QAM	1	1		11.92			12.3	0.0
Channel									
Frequency (MHz)									

Part27O n78_Ant 13									
REV (MHz)	Modulation	RF Size	RF Offset	Power Level CL / Pmax	Power Attenu. CL / Pmax	Power Type CL / Pmax	Turn-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
160	P12-BPSK	1	1		12.07			12.5	0.0
160	P12-BPSK	1	127		12.04				
160	P12-BPSK	1	251		12.03			12.5	0.0
160	P12-BPSK	156	0		12.18				
160	P12-BPSK	156	66		12.06			12.5	0.0
160	P12-BPSK	250	0		12.01			12.5	0.0
160	QPSK	1	1		12.24				
160	QPSK	1	127		12.20			12.5	0.0
160	QPSK	1	251		12.24				
160	QPSK	156	0		12.34			12.5	0.0
160	QPSK	156	66		12.27				
160	QPSK	156	136		12.27				
160	QPSK	250	0		11.65			12.5	0.0
160	4QAM	1	1		12.16			12.5	0.0
160	4QAM	1	1		12.09			12.5	0.0
160	25QAM				12.15			12.5	0.0
Channel									
Frequency (MHz)									
90	P12-BPSK	1	1		12.02			12.4	0.0
90	P12-BPSK	1	127		12.02				
90	P12-BPSK	1	251		12.02			12.4	0.0
90	P12-BPSK	156	0		12.13				
90	P12-BPSK	156	66		12.02			12.4	0.0
90	P12-BPSK	250	0		12.02			12.4	0.0
90	QPSK	1	1		12.26				
90	QPSK	1	127		12.22			12.4	0.0
90	QPSK	1	251		12.26				
90	QPSK	156	0		12.36			12.4	0.0
90	QPSK	156	66		12.29				
90	QPSK	156	136		12.29				
90	QPSK	250	0		11.64			12.4	0.0
90	4QAM	1	1		12.15			12.4	0.0
90	4QAM	1	1		12.08			12.4	0.0
90	25QAM				12.14			12.4	0.0
Channel									
Frequency (MHz)									
30	P12-BPSK	1	1		12.02			12.4	0.0
30	P12-BPSK	1	127		12.02				
30	P12-BPSK	1	251		12.02			12.4	0.0
30	P12-BPSK	156	0		12.13				
30	P12-BPSK	156	66		12.02			12.4	0.0
30	P12-BPSK	250	0		12.02			12.4	0.0
30	QPSK	1	1		12.26				
30	QPSK	1	127		12.22			12.4	0.0
30	QPSK	1	251		12.26				
30	QPSK	156	0		12.36			12.4	0.0
30	QPSK	156	66		12.29				
30	QPSK	156	136		12.29				
30	QPSK	250	0		11.64			12.4	0.0
30	4QAM	1	1		12.15			12.4	0.0
30	4QAM	1	1		12.08			12.4	0.0
30	25QAM				12.14			12.4	0.0
Channel									
Frequency (MHz)									
15	P12-BPSK	1	1		12.01			12.3	0.0
15	P12-BPSK	1	127		12.01				
15	P12-BPSK	1	251		12.01			12.3	0.0
15	P12-BPSK	156	0		12.12				
15	P12-BPSK	156	66		12.01			12.3	0.0
15	P12-BPSK	250	0		12.01			12.3	0.0
15	QPSK	1	1		12.25				
15	QPSK	1	127		12.21			12.3	0.0
15	QPSK	1	251		12.25				
15	QPSK	156	0		12.35			12.3	0.0
15	QPSK	156	66		12.28				
15	QPSK	156	136		12.28				
15	QPSK	250	0		11.63			12.3	0.0
15	4QAM	1	1		12.14			12.3	0.0
15	4QAM	1	1		12.07			12.3	0.0
15	25QAM				12.13			12.3	0.0
Channel									
Frequency (MHz)									
5	P12-BPSK	1	1		12.00			12.3	0.0
5	P12-BPSK	1	127		12.00				
5	P12-BPSK	1	251		12.00			12.3	0.0
5	P12-BPSK	156	0		12.11				
5	P12-BPSK	156	66		12.00			12.3	0.0
5	P12-BPSK	250	0		12.00			12.3	0.0
5	QPSK	1	1		12.24				
5	QPSK	1	127		12.20			12.3	0.0
5	QPSK	1	251		12.24				
5	QPSK	156	0		12.34			12.3	0.0
5	QPSK	156	66		12.27				
5	QPSK	156	136		12.27				
5	QPSK	250	0		11.63			12.3	0.0
5	4QAM	1	1		12.14			12.3	0.0
5	4QAM	1	1		12.07			12.3	0.0
5	25QAM				12.13			12.3	0.0



Part27Q n78_Ant 24									
ENV (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. 1 (Fem)	Power Line Ch. 2 (Fem)	Power Line Ch. 3 (Fem)	Time-up time (sec)	LMT (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	20.17			22.2	0.0	
100	P12 BPSK	1	127	20.16					
100	P12 BPSK	1	251	20.16			21.7	0.5	
100	P12 BPSK	1	375	20.17			22.2	0.0	
100	P12 BPSK	1	500	20.16					
100	P12 BPSK	1	625	20.17			21.7	0.5	
100	P12 BPSK	1	750	20.16			22.2	0.0	
100	P12 BPSK	1	875	20.17					
100	QPSK	1	1	20.17			22.2	0.0	
100	QPSK	1	127	20.16					
100	QPSK	1	251	20.16			21.7	0.0	
100	QPSK	1	375	20.17					
100	QPSK	1	500	20.16			21.2	0.0	
100	QPSK	1	625	20.17					
100	QPSK	1	750	20.16			21.2	0.0	
100	QPSK	1	875	20.17					
100	QPSK	1	1000	20.16			19.7	1.0	
100	QPSK	1	1125	20.17					
100	QPSK	1	1250	20.16			19.7	1.0	
100	QPSK	1	1375	20.17					
100	QPSK	1	1500	20.16			19.7	1.0	
100	QPSK	1	1625	20.17					
100	QPSK	1	1750	20.16			19.7	1.0	
100	QPSK	1	1875	20.17					
100	QPSK	1	2000	20.16			19.7	1.0	
100	QPSK	1	2125	20.17					
100	QPSK	1	2250	20.16			19.7	1.0	
100	QPSK	1	2375	20.17					
100	QPSK	1	2500	20.16			19.7	1.0	
100	QPSK	1	2625	20.17					
100	QPSK	1	2750	20.16			19.7	1.0	
100	QPSK	1	2875	20.17					
100	QPSK	1	3000	20.16			19.7	1.0	
100	QPSK	1	3125	20.17					
100	QPSK	1	3250	20.16			19.7	1.0	
100	QPSK	1	3375	20.17					
100	QPSK	1	3500	20.16			19.7	1.0	
100	QPSK	1	3625	20.17					
100	QPSK	1	3750	20.16			19.7	1.0	
100	QPSK	1	3875	20.17					
100	QPSK	1	4000	20.16			19.7	1.0	
100	QPSK	1	4125	20.17					
100	QPSK	1	4250	20.16			19.7	1.0	
100	QPSK	1	4375	20.17					
100	QPSK	1	4500	20.16			19.7	1.0	
100	QPSK	1	4625	20.17					
100	QPSK	1	4750	20.16			19.7	1.0	
100	QPSK	1	4875	20.17					
100	QPSK	1	5000	20.16			19.7	1.0	
100	QPSK	1	5125	20.17					
100	QPSK	1	5250	20.16			19.7	1.0	
100	QPSK	1	5375	20.17					
100	QPSK	1	5500	20.16			19.7	1.0	
100	QPSK	1	5625	20.17					
100	QPSK	1	5750	20.16			19.7	1.0	
100	QPSK	1	5875	20.17					
100	QPSK	1	6000	20.16			19.7	1.0	
100	QPSK	1	6125	20.17					
100	QPSK	1	6250	20.16			19.7	1.0	
100	QPSK	1	6375	20.17					
100	QPSK	1	6500	20.16			19.7	1.0	
100	QPSK	1	6625	20.17					
100	QPSK	1	6750	20.16			19.7	1.0	
100	QPSK	1	6875	20.17					
100	QPSK	1	7000	20.16			19.7	1.0	
100	QPSK	1	7125	20.17					
100	QPSK	1	7250	20.16			19.7	1.0	
100	QPSK	1	7375	20.17					
100	QPSK	1	7500	20.16			19.7	1.0	
100	QPSK	1	7625	20.17					
100	QPSK	1	7750	20.16			19.7	1.0	
100	QPSK	1	7875	20.17					
100	QPSK	1	8000	20.16			19.7	1.0	
100	QPSK	1	8125	20.17					
100	QPSK	1	8250	20.16			19.7	1.0	
100	QPSK	1	8375	20.17					
100	QPSK	1	8500	20.16			19.7	1.0	
100	QPSK	1	8625	20.17					
100	QPSK	1	8750	20.16			19.7	1.0	
100	QPSK	1	8875	20.17					
100	QPSK	1	9000	20.16			19.7	1.0	
100	QPSK	1	9125	20.17					
100	QPSK	1	9250	20.16			19.7	1.0	
100	QPSK	1	9375	20.17					
100	QPSK	1	9500	20.16			19.7	1.0	
100	QPSK	1	9625	20.17					
100	QPSK	1	9750	20.16			19.7	1.0	
100	QPSK	1	9875	20.17					
100	QPSK	1	10000	20.16			19.7	1.0	
100	QPSK	1	10125	20.17					
100	QPSK	1	10250	20.16			19.7	1.0	
100	QPSK	1	10375	20.17					
100	QPSK	1	10500	20.16			19.7	1.0	
100	QPSK	1	10625	20.17					
100	QPSK	1	10750	20.16			19.7	1.0	
100	QPSK	1	10875	20.17					
100	QPSK	1	11000	20.16			19.7	1.0	
100	QPSK	1	11125	20.17					
100	QPSK	1	11250	20.16			19.7	1.0	
100	QPSK	1	11375	20.17					
100	QPSK	1	11500	20.16			19.7	1.0	
100	QPSK	1	11625	20.17					
100	QPSK	1	11750	20.16			19.7	1.0	
100	QPSK	1	11875	20.17					
100	QPSK	1	12000	20.16			19.7	1.0	
100	QPSK	1	12125	20.17					
100	QPSK	1	12250	20.16			19.7	1.0	
100	QPSK	1	12375	20.17					
100	QPSK	1	12500	20.16			19.7	1.0	
100	QPSK	1	12625	20.17					
100	QPSK	1	12750	20.16			19.7	1.0	
100	QPSK	1	12875	20.17					
100	QPSK	1	13000	20.16			19.7	1.0	
100	QPSK	1	13125	20.17					
100	QPSK	1	13250	20.16			19.7	1.0	
100	QPSK	1	13375	20.17					
100	QPSK	1	13500	20.16			19.7	1.0	
100	QPSK	1	13625	20.17					
100	QPSK	1	13750	20.16			19.7	1.0	
100	QPSK	1	13875	20.17					
100	QPSK	1	14000	20.16			19.7	1.0	
100	QPSK	1	14125	20.17					
100	QPSK	1	14250	20.16			19.7	1.0	
100	QPSK	1	14375	20.17					
100	QPSK	1	14500	20.16			19.7	1.0	
100	QPSK	1	14625	20.17					
100	QPSK	1	14750	20.16			19.7	1.0	
100	QPSK	1	14875	20.17					
100	QPSK	1	15000	20.16			19.7	1.0	
100	QPSK	1	15125	20.17					
100	QPSK	1	15250	20.16			19.7	1.0	
100	QPSK	1	15375	20.17					
100	QPSK	1	15500	20.16			19.7	1.0	
100	QPSK	1	15625	20.17					
100	QPSK	1	15750	20.16			19.7	1.0	
100	QPSK	1	15875	20.17					
100	QPSK	1	16000	20.16			19.7	1.0	
100	QPSK	1	16125	20.17					
100	QPSK	1	16250	20.16			19.7	1.0	
100	QPSK	1	16375	20.17					
100	QPSK	1	16500	20.16			19.7	1.0	
100	QPSK	1	16625	20.17					
100	QPSK	1	16750	20.16			19.7	1.0	
100	QPSK	1	16875	20.17					
100	QPSK	1	17000	20.16			19.7	1.0	
100	QPSK	1	17125	20.17					
100	QPSK	1	17250	20.16			19.7	1.0	
100	QPSK	1	17375	20.17					
100	QPSK	1	17500	20.16			19.7	1.0	
100	QPSK	1	17625	20.17					
100	QPSK	1	17750	20.16			19.7	1.0	
100	QPSK	1	17875	20.17					
100	QPSK	1	18000	20.16			19.7	1.0	
100	QPSK	1	18125	20.17					
100	QPSK	1	18250	20.16			19.7	1.0	
100	QPSK	1	18375	20.17					
100	QPSK	1	18500	20.16			19.7	1.0	
100	QPSK	1	18625	20.17					
100	QPSK	1	18750	20.16			19.7	1.0	
100	QPSK	1	18875	20.17					
100	QPSK	1	19000	20.16			19.7	1.0	
100	QPSK	1	19125	20.17					
100	QPSK	1	19250	20.16			19.7	1.0	
100	QPSK	1	19375	20.17					
100	QPSK	1	19500	20.16			19.7	1.0	
100	QPSK	1	19625	20.17					
100	QPSK	1	19750	20.16			19.7	1.0	
100	QPSK	1	19875	20.17					
100	QPSK	1	20000	20.16			19.7	1.0	
100	QPSK	1	20125	20.17					
100	QPSK	1	20250	20.16			19.7	1.0	
100	QPSK	1	20375	20.17					
100	QPSK	1	20500	20.16			19.7	1.0	
100	QPSK	1	20625	20.17					
100	QPSK	1	20750	20.16			19.7	1.0	
100	QPSK	1	20875	20.17					
100	QPSK	1	21000	20.16			19.7		



n7_Ant 12									
Ref. Config.	Modulator	RF Size	RF Offset	1.2V Core Ch. Power	Power Supply	Power Reg. Mode	Measuring time	MIPS (MHz)	
Channel Frequency (MHz) : 2000									
10	PRD 00000	1	0	22.88	23.17	23.00	24.2	0.0	
10	PRD 00000	1	0	22.88	23.17	23.00	24.2	0.0	
10	PRD 00000	1	200	23.03	23.02	23.00	24.2	0.0	
10	PRD 00000	1	400	23.03	23.02	23.00	24.2	0.0	
10	PRD 00000	1	600	23.03	23.02	23.00	24.2	0.0	
10	PRD 00000	1	800	23.03	23.02	23.00	24.2	0.0	
10	PRD 00000	1	1000	23.03	23.02	23.00	24.2	0.0	
10	PRD 00000	1	1200	23.03	23.02	23.00	24.2	0.0	
10	PRD 00000	1	1400	23.03	23.02	23.00	24.2	0.0	
10	PRD 00000	1	1600	23.03	23.02	23.00	24.2	0.0	
10	PRD 00000	1	1800	23.03	23.02	23.00	24.2	0.0	
10	PRD 00000	1	2000	23.03	23.02	23.00	24.2	0.0	
10	PRD 00000	1	2200	23.03	23.02	23.00	24.2	0.0	
10	PRD 00000	1	2400	23.03	23.02	23.00	24.2	0.0	
10	PRD 00000	1	2600	23.03	23.02	23.00	24.2	0.0	
10	PRD 00000	1	2800	23.03	23.02	23.00	24.2	0.0	
10	PRD 00000	1	3000	23.03	23.02	23.00	24.2	0.0	
10	PRD 00000	1	3200	23.03	23.02	23.00	24.2	0.0	
10	PRD 00000	1	3400	23.03	23.02	23.00	24.2	0.0	
10	PRD 00000	1	3600	23.03	23.02	23.00	24.2	0.0	
10	PRD 00000	1	3800	23.03	23.02	23.00	24.2	0.0	
10	PRD 00000	1	4000	23.03	23.02	23.00	24.2	0.0	
10	PRD 00000	1	4200	23.03	23.02	23.00	24.2	0.0	
10	PRD 00000	1	4400	23.03	23.02	23.00	24.2	0.0	
10	PRD 00000	1	4600	23.03	23.02	23.00	24.2	0.0	
10	PRD 00000	1	4800	23.03	23.02	23.00	24.2	0.0	
10	PRD 00000	1	5000	23.03	23.02	23.00	24.2	0.0	
10	PRD 00000	1	5200	23.03	23.02	23.00	24.2	0.0	
10	PRD 00000	1	5400	23.03	23.02	23.00	24.2	0.0	
10	PRD 00000	1	5600	23.03	23.02	23.00	24.2	0.0	
10	PRD 00000	1	5800	23.03	23.02	23.00	24.2	0.0	
10	PRD 00000	1	6000	23.03	23.02	23.00	24.2	0.0	
10	PRD 00000	1	6200	23.03	23.02	23.00	24.2	0.0	
10	PRD 00000	1	6400	23.03	23.02	23.00	24.2	0.0	
10	PRD 00000	1	6600	23.03	23.02	23.00	24.2	0.0	
10	PRD 00000	1	6800	23.03	23.02	23.00	24.2	0.0	
10	PRD 00000	1	7000	23.03	23.02	23.00	24.2	0.0	
10	PRD 00000	1	7200	23.03	23.02	23.00	24.2	0.0	
10	PRD 00000	1	7400	23.03	23.02	23.00	24.2	0.0	
10	PRD 00000	1	7600	23.03	23.02	23.00	24.2	0.0	
10	PRD 0								

[illegible][illegible]

Part27Q n78_Ant 13

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1		20.05		21.5	0.0
100	PI/2 BPSK	1	137		20.70			
100	PI/2 BPSK	1	271		20.04			
100	PI/2 BPSK	135	0		20.08			
100	PI/2 BPSK	135	69		20.68		21.5	0.0
100	PI/2 BPSK	135	138		20.56		21.5	0.0
100	PI/2 BPSK	270	0		20.53		21.5	0.0
100	QPSK	1	1		20.62			
100	QPSK	1	137		20.50			
100	QPSK	1	271		20.11			
100	QPSK	135	0		20.68		21.5	0.0
100	QPSK	135	69		20.53			
100	QPSK	135	138		20.08			
100	QPSK	270	0		20.66		21.5	0.0
100	16QAM	1	1		20.54		21.5	0.0
100	64QAM	1	1		20.53		21.5	0.0
100	256QAM	1	1		19.93		20.0	1.5
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3504.99		
90	PI/2 BPSK	1	1	20.04	20.06	20.08	21.5	0.0
Channel				633666	633334	633000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	PI/2 BPSK	1	1	20.07	20.12	20.07	21.5	0.0
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3514.98		
70	PI/2 BPSK	1	1	20.02	20.06	20.12	21.5	0.0
Channel				633000	633334	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3519.99		
60	PI/2 BPSK	1	1	20.12	20.08	20.00	21.5	0.0
Channel				631666	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	PI/2 BPSK	1	1	20.07	20.09	20.11	21.5	0.0
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3529.98		
40	PI/2 BPSK	1	1	20.13	20.12	20.14	21.5	0.0
Channel				631000	633334	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3531.99		
30	PI/2 BPSK	1	1	20.00	20.04	20.00	21.5	0.0
Channel				630666	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	PI/2 BPSK	1	1	20.04	20.01	20.14	21.5	0.0
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.19		
15	PI/2 BPSK	1	1	20.03	20.04	20.02	21.5	0.0
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3544.98		
10	PI/2 BPSK	1	1	20.05	20.10	20.08	21.5	0.0

Part27O n78_Ant 13

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000				
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1		20.07		21.5	0.0
100	PI/2 BPSK	1	137		20.36			
100	PI/2 BPSK	1	271		20.02			
100	PI/2 BPSK	135	0		20.23			
100	PI/2 BPSK	135	69		20.32		21.5	0.0
100	PI/2 BPSK	135	138		20.27		21.5	0.0
100	PI/2 BPSK	270	0		20.14		21.5	0.0
100	QPSK	1	1		20.38			
100	QPSK	1	137		20.30			
100	QPSK	1	271		20.15			
100	QPSK	135	0		20.34		21.5	0.0
100	QPSK	135	69		20.21			
100	QPSK	135	138		20.19			
100	QPSK	270	0		20.36		21.5	0.0
100	16QAM	1	1		20.33		21.5	0.0
100	64QAM	1	1		20.33		21.5	0.0
100	256QAM	1	1		19.83		20.0	1.5
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	20.15	20.23	20.15	21.5	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	PI/2 BPSK	1	1	20.21	20.15	20.18	21.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	PI/2 BPSK	1	1	20.13	20.17	20.24	21.5	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	PI/2 BPSK	1	1	20.12	20.23	20.21	21.5	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI/2 BPSK	1	1	20.10	20.20	20.23	21.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	PI/2 BPSK	1	1	20.14	20.22	20.21	21.5	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3784.98		
30	PI/2 BPSK	1	1	20.18	20.11	20.24	21.5	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	PI/2 BPSK	1	1	20.16	20.17	20.23	21.5	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48		
15	PI/2 BPSK	1	1	20.14	20.13	20.14	21.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	PI/2 BPSK	1	1	20.24	20.16	20.14	21.5	0.0



WLAN/Bluetooth Power

2.4GHz WLAN																									Daily Cycle %																			
Default Power										Host/Receiver on/Standby/tx/Structure										Body/Receiver off/ Standby						Body/Receiver off/Structure&Hinged on																		
Ant 24					Ant 22					Ant 24+22					Ant 24					Ant 22						Ant 24+22					Ant 24					Ant 22					Ant 24+22			
Mode	Channel	Frequency (MHz)	RU Config	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit													
2.4GHz WLAN	802.11n 1Mbps	1	2412	FuL	17.00	18.00	17.30	18.00	20.16	21.00	11.00	12.00	10.80	12.00	13.00	15.00	16.00	17.00	18.00	17.30	18.00	20.16	21.00	14.80	16.00	14.70	16.00	17.75	19.00															
		6	2437	FuL	14.80	16.00	15.00	16.00	17.96	19.00	11.10	12.00	10.90	12.00	14.00	15.00	14.80	15.00	17.98	19.00	14.80	16.00	15.00	16.00	17.96	19.00	18.00	19.00																
		11	2462	FuL	14.80	16.00	14.80	16.00	17.71	19.00	11.00	12.00	10.90	12.00	13.00	15.00	14.80	15.00	17.71	19.00	14.80	16.00	14.80	16.00	17.71	19.00	18.00	19.00																
	802.11g 6Mbps	1	2412	FuL	16.40	18.00	16.50	18.00	19.36	21.00	12.00	12.00	12.00	12.00	15.00	16.40	18.00	16.50	18.00	19.36	21.00	16.00	18.00	16.00	18.00	19.36	21.00																	
		6	2437	FuL	17.00	18.00	17.20	18.00	20.11	21.00	12.00	12.00	12.00	12.00	15.00	17.00	18.00	17.20	18.00	20.11	21.00	16.00	18.00	16.00	18.00	19.36	21.00																	
		11	2462	FuL	16.40	18.00	16.40	18.00	19.41	21.00	12.00	12.00	12.00	12.00	15.00	16.40	18.00	16.40	18.00	19.41	21.00	16.00	18.00	16.00	18.00	19.36	21.00																	
	802.11a+HT20 MCS0	1	2412	FuL	16.10	18.00	16.10	18.00	19.11	21.00	12.00	12.00	12.00	12.00	15.00	16.10	18.00	16.10	18.00	19.11	21.00	16.00	18.00	16.00	18.00	19.36	21.00																	
		6	2437	FuL	16.40	18.00	16.50	18.00	19.46	21.00	12.00	12.00	12.00	12.00	15.00	16.40	18.00	16.50	18.00	19.46	21.00	16.00	18.00	16.00	18.00	19.36	21.00																	
		11	2462	FuL	16.20	18.00	16.20	18.00	19.21	21.00	12.00	12.00	12.00	12.00	15.00	16.20	18.00	16.20	18.00	19.21	21.00	16.00	18.00	16.00	18.00	19.36	21.00																	
	2.4GHz WLAN	802.11a+HE20 MCS0	1	2412	FuL	15.50	17.00	15.40	17.00	18.46	20.00	12.00	12.00	12.00	12.00	15.00	15.50	17.00	15.40	17.00	18.46	20.00	16.00	18.00	16.00	18.00	19.36	21.00																
			6	2437	FuL	16.20	18.00	16.30	18.00	19.26	21.00	12.00	12.00	12.00	12.00	15.00	16.20	18.00	16.30	18.00	19.26	21.00	16.00	18.00	16.00	18.00	19.36	21.00																
			11	2462	FuL	16.00	18.00	16.00	18.00	19.36	21.00	12.00	12.00	12.00	12.00	15.00	16.00	18.00	16.00	18.00	19.36	21.00	16.00	18.00	16.00	18.00	19.36	21.00																
802.11a+HE20 MCS0		1	2412	FuL	16.00	18.00	16.00	18.00	19.26	21.00	12.00	12.00	12.00	12.00	15.00	16.00	18.00	16.00	18.00	19.26	21.00	16.00	18.00	16.00	18.00	19.36	21.00																	
		6	2437	FuL	16.00	18.00	16.00	18.00	19.76	21.00	12.00	12.00	12.00	12.00	15.00	16.00	18.00	16.00	18.00	19.76	21.00	16.00	18.00	16.00	18.00	19.36	21.00																	
		11	2462	FuL	16.40	18.00	16.50	18.00	19.46	21.00	12.00	12.00	12.00	12.00	15.00	16.40	18.00	16.50	18.00	19.46	21.00	16.00	18.00	16.00	18.00	19.36	21.00																	
802.11a+HE20 MCS0		1	2412	FuL	16.00	18.00	16.00	18.00	19.26	21.00	12.00	12.00	12.00	12.00	15.00	16.00	18.00	16.00	18.00	19.26	21.00	16.00	18.00	16.00	18.00	19.36	21.00																	
		6	2437	FuL	16.00	18.00	16.00	18.00	19.76	21.00	12.00	12.00	12.00	12.00	15.00	16.00	18.00	16.00	18.00	19.76	21.00	16.00	18.00	16.00	18.00	19.36	21.00																	
		11	2462	FuL	16.40	18.00	16.50	18.00	19.46	21.00	12.00	12.00	12.00	12.00	15.00	16.40	18.00	16.50	18.00	19.46	21.00	16.00	18.00	16.00	18.00	19.36	21.00																	
802.11a+HE20 MCS0		1	2412	FuL	16.00	18.00	16.00	18.00	19.26	21.00	12.00	12.00	12.00	12.00	15.00	16.00	18.00	16.00	18.00	19.26	21.00	16.00	18.00	16.00	18.00	19.36	21.00																	
		6	2437	FuL	16.00	18.00	16.00	18.00	19.76	21.00	12.00	12.00	12.00	12.00	15.00	16.00	18.00	16.00	18.00	19.76	21.00	16.00	18.00	16.00	18.00	19.36	21.00																	
		11	2462	FuL	16.40	18.00	16.50	18.00	19.46	21.00	12.00	12.00	12.00	12.00	15.00	16.40	18.00	16.50	18.00	19.46	21.00	16.00	18.00	16.00	18.00	19.36	21.00																	

5.2GHz WLAN				Default Power										Host/Receiver on/Standby/tx/Structure										Body/Receiver off/Standby						Body/Receiver off/Standby+tx/Support on						Daily Cycle %
		Ant 22		Ant 24		Ant 22+24		Ant 22		Ant 24		Ant 22+24		Ant 22		Ant 24		Ant 22+24		Ant 22		Ant 24		Ant 22+24		Ant 22		Ant 24		Ant 22+24						
Mode	Channel	Frequency (MHz)	RU Config	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit					
5.2GHz WLAN	802.11a 6Mbps	36	5180	FuL	15.03	16.00	15.21	16.00	16.13	16.00	12.00	12.00	12.00	12.00	15.00	16.03	16.00	15.21	16.00	16.13	16.00	15.10	16.00	15.00	16.00	15.00	16.00	15.00	16.00	15.00	16.00	96.07				
		40	5200	FuL	16.02	18.00	16.00	18.00	19.73	21.00	12.00	12.00	12.00	12.00	15.00	16.02	18.00	16.00	18.00	19.73	21.00	15.00	16.00	15.00	16.00	15.00	16.00	15.00	16.00	15.00	16.00					
		44	5220	FuL	17.17	18.00	17.00	18.00	20.57	21.00	12.00	12.00	12.00	12.00	15.00	17.17	18.00	17.00	18.00	20.57	21.00	15.00	16.00	15.00	16.00	15.00	16.00	15.00	16.00	15.00	16.00					
	802.11a+HT20 MCS0	36	5180	FuL	16.28	18.00	16.54	18.00	18.42	20.00	12.00	12.00	12.00	12.00	15.00	16.28	18.00	16.54	18.00	18.42	20.00	15.00	16.00	15.00	16.00	15.00	16.00	15.00	16.00	15.00	16.00	96.24				
		40	5200	FuL	16.78	18.00	17.34	18.00	20.07	21.00	12.00	12.00	12.00	12.00	15.00	16.78	18.00	17.34	18.00	20.07	21.00	15.00	16.00	15.00	16.00	15.00	16.00	15.00	16.00	15.00	16.00					
		44	5220	FuL	17.11	18.00	17.07	18.00	20.41	21.00	12.00	12.00	12.00	12.00	15.00	17.11	18.00	17.07	18.00	20.41	21.00	15.00	16.00	15.00	16.00	15.00	16.00	15.00	16.00	15.00	16.00					
	802.11a+HT40 MCS0	36	5180	FuL	16.70	18.00	17.38	18.00	20.10	21.00	12.00	12.00	12.00	12.00	15.00	16.70	18.00	17.38	18.00	20.10	21.00	15.00	16.00	15.00	16.00	15.00	16.00	15.00	16.00	15.00	16.00	93.35				
		40	5200	FuL	16.24	17.00	16.72	17.00	18.50	20.00	12.00	12.00	12.00	12.00	15.00	16.24	17.00	16.72	17.00	18.50	20.00	15.00	16.00	15.00	16.00	15.00	16.00	15.00	16.00	15.00	16.00					
		44	5220	FuL	15.21	17.00	15.49	17.00	18.36	20.00	12.00	12.00	12.00	12.00	15.00	15.21	17.00	15.49	17.00	18.36	20.00	15.00	16.00	15.00	16.00	15.00	16.00	15.00	16.00	15.00	16.00					
	802.11a+VHT20 MCS0	36	5180	FuL	15.98	17.00	16.02	17.00	18.08	20.00	12.00	12.00	12.00	12.00	15.00	15.98	17.00	16.02	17.00	18.08	20.00	15.00	16.00	15.00	16.00	15.00	16.00	15.00	16.00	15.00	16.00	96.58				
40		5200	FuL	16.47	17.00	17.00	17.00	19.75	20.00	12.00	12.00	12.00	12.00	15.00	16.47	17.00	17.00	17.00	19.75	20.00	15.00	16.00	15.00	16.00	15.00	16.00	15.00	16.00	15.00	16.00						
44		5240	FuL	16.20	17.00	16.58	17.00	19.41	20.00	12.00	12.00	12.00	12.00	15.00	16.20	17.00	16.58	17.00	19.41	20.00	15.00	16.00	15.00	16.00	15.00	16.00	15.00	16.00	15.00	16.00						
5.2GHz WLAN	802.11a+VHT40 MCS0	36	5180	FuL	14.85	16.00	15.24	16.00	16.08	19.00	12.00	12.00	12.00	12.00	14.85	16.00	15.24	16.00	16.08	19.00	15.00	16.00	15.00	16.00	15.00	16.00	15.00	16.00	15.00	16.00	93.75					
		40	5200	FuL	16.22	18.00	16.00	18.00	19.44	20.00	12.00	12.00	12.00	12.00	15.00	16.22	18.00	16.00	18.00	19.44	20.00	15.00	16.00	15.00	16.00	15.00	16.00	15.00	16.00	15.00		16.00				
		44	5210	FuL	14.39	16.00	14.71	16.00	17.58	19.00	10.35	10.64	15.00	14.39	16.00	14.71	16.00	17.58	19.00	13.45	16.00	13.73	16.00	16.59	16.00	15.00	16.00	15.00	16.00							
	802.11a+VHT80 MCS0	42	5210	FuL	14.51	15.00	14.63	15.00	17.60	19.00	12.00	12.00	12.00	12.00	15.00	14.51	15.00	14.63	15.00	17.60	19.00	15.00	16.00	15.00	16.00	15.00	16.00	15.00	16.00	15.00	16.00	88.19				
		36	5180	2d20	11.67	12.00	11.80	12.00	14.75	15.00	12.00	12.00	12.00	12.00	15.00	11.67	12.00	11.80	12.00	14.75	15.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00					
		40	5200	10d13	16.72	17.00	17.16	17.00	19.06	20.00	12.00	12.00	12.00	12.00	15.00	16.72	17.00	17.16	17.00	19.06	20.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00					
	802.11a+HE20 MCS0	40	5200	FuL	16.10	17.00	16.40	17.00	19.27	19.00	12.00	12.00	12.00	12.00	15.00	16.10	17.00	16.40	17.00	19.27	19.00	15.00	16.00	15.00	16.00	15.00	16.00	15.00	16.00	15.00	16.00	94.58				
		44	5220	FuL	16.63	17.00	17.00	17.00	19.70	20.00	12.00	12.00	12.00	12.00	15.00	16.63	17.00	17.00	17.00	19.70	20.00	15.00	16.00	15.00	16.00	15.00	16.00	15.00	16.00	15.00	16.00					
		48	5240	2d20	16.08	11.00	15.91	11.00	13.87	14.00	11.00	11.00	11.00	11.00	14.00	16.08	11.00	15.91	11.00	13.87	14.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00		11.00			
	802.11a+HE40 MCS0	40	5200	2d20	16.78	17.00	16.78	17.00	19.56	19.00	12.00	12.00	12.00	12.00	15.00	16.78	17.00	16.78	17.00	19.56	19.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00				
44		5220	10d13	14.27	15.00	14.77	15.00	17.54	18.00	12.00	12.00	12.00	12.00	15.00	14.27	15.00	14.77	15.00	17.54	18.00	15.00	16.00	15.00	16.00	15.00	16.00	15.00	16.00	15.00	16.00						
36		5180	2d20	16.75	16.00	16.08	16.00	18.93	19.00	12.00	12.00	12.00	12.00	15.00	16.75	16.00	16.08	16.00	18.93	19.00	15.00	16.00	15.00	16.00	15.00	16.00	15.00	16.00	15.00	16.00						
802.11a+HE80 MCS0	40	5200	2d20	13.22	14.00	13.63	14.00	16.44	17.00	12.00	12.00	12.00	12.00	15.00	13.22	14.00	13.63	14.00	16.44	17.00	15.00	16.00	15.00	16.00	15.00	16.00	15.00	16.00	15.00	16.00	92.48					
	44	5220	2d20	16.31	17.00	16.81	17.00	19.58	20.00	12.00	12.00	12.00	12.00	15.00	16.31	17.00	16.81	17.00	19.58	20.00	15.00	16.00	15.00	16.00	15.00	16.00	15.00	16.00	15.00	16.00						
	48	5240	2d20	16.38	17.00	17.32	17.00	19.58	20.00	12.00	12.00	12.00	12.00	15.00	16.38	17.00	17.32	17.00	19.58	20.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00						
802.11a+HEB0 MCS0	42	5210	FuL	14.17	15.00	13.90	15.00	17.05	18.00	12.00	12.00	12.00	12.00	15.00	14.17	15.00	13.90	15.00	17.05	18.00	15.00	16.00	15.00	16.00	15.00	16.00	15.00	16.00	15.00	16.00	86.96					
	48	5240	FuL	13.02	14.00	13.31	14.00	16.18	17.00	12.00	12.00	12.00	12.00	15.00	13.02	14.00	13.31	14.00	16.18	17.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00						
				48	5240	FuL	14.05	15.00	14.58	15.00	17.33	18.00	12.00	12.00	15.00	14.05	15.00	14.58	15.00	17.33	18.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00					



5.5GHz WLAN				Initial Power				Head/Receiver off/Standard/6dBS/Standard/6dBS				Body/Receiver off/Standard/6dBS/Standard/6dBS				Body/Receiver off/Standard/6dBS/Standard/6dBS												
				Ant 22		Ant 24		Ant 22+24		Ant 22		Ant 24		Ant 22+24		Ant 22		Ant 24		Ant 22+24		Day Cycle %						
	Mode	Channel	Frequency (MHz)	RU Config	Average power (dBm)	Turn-Up Limit	Average power (dBm)	Turn-Up Limit	Average power (dBm)	Turn-Up Limit	Average power (dBm)	Turn-Up Limit	Average power (dBm)	Turn-Up Limit	Average power (dBm)	Turn-Up Limit	Average power (dBm)	Turn-Up Limit	Average power (dBm)	Turn-Up Limit	Average power (dBm)	Turn-Up Limit						
802.11a 6Mbps		100	5260	FuL	15.95	17.80	16.34	17.70	16.16	20.50	12.00		12.00		16.00	15.95	17.50	16.34	17.80	16.16	20.50	15.00	15.00					
		116	5260	FuL	16.05	18.00	16.17	18.00	16.12	21.00	12.00		12.00		16.00	16.05	18.00	16.17	18.00	16.12	21.00	15.00	15.00					
		124	5260	FuL	16.03	18.00	16.13	18.00	16.09	21.00	12.00		12.00		15.99	16.03	18.00	16.13	18.00	16.09	21.00	15.00	15.00					
		132	5260	FuL	16.01	18.00	16.10	18.00	16.07	21.00	12.00		12.00		15.99	16.01	18.00	16.10	18.00	16.07	21.00	15.00	15.00					
		140	5700	FuL	14.49	17.00	15.20	17.00	17.87	20.00	12.00		12.00		15.99	14.49	17.00	15.20	17.00	17.87	20.00	15.00	15.00					
		144	5720	FuL	16.45	18.00	16.51	18.00	19.49	21.00	12.00		12.00		15.99	16.45	18.00	16.51	18.00	19.49	21.00	15.00	15.00					
		150	5260	FuL	12.96	14.50	13.24	14.50	16.12	17.50	12.00		12.00		15.99	12.96	14.50	13.24	14.50	16.12	17.50	14.50	14.50					
		116	5260	FuL	16.08	18.00	16.62	18.00	19.37	21.00	12.00		12.00		15.99	16.08	18.00	16.62	18.00	19.37	21.00	15.00	15.00					
		124	5260	FuL	16.05	18.00	16.22	18.00	16.15	21.00	12.00		12.00		15.99	16.05	18.00	16.22	18.00	16.15	21.00	15.00	15.00					
		132	5260	FuL	16.02	18.00	16.17	18.00	16.11	21.00	12.00		12.00		15.99	16.02	18.00	16.17	18.00	16.11	21.00	15.00	15.00					
		140	5700	FuL	13.01	15.50	13.32	15.50	16.16	18.50	12.00		12.00		15.99	13.01	15.50	13.32	15.50	16.16	18.50	15.00	15.00					
		144	5720	FuL	16.28	18.00	16.25	18.00	19.27	21.00	12.00		12.00		15.99	16.28	18.00	16.25	18.00	19.27	21.00	15.00	15.00					
802.11a-HT20 MCS0		102	5210	FuL	12.08	13.50	12.40	13.50	15.25	16.50	12.00		12.00		15.99	12.08	13.50	12.40	13.50	15.25	16.50	13.50	13.50					
		110	5260	FuL	15.89	14.50	13.19	14.50	16.05	17.50	12.00		12.00		15.99	15.89	14.50	13.19	14.50	16.05	17.50	15.00	15.00					
		126	5260	FuL	16.04	18.00	16.27	18.00	16.17	21.00	12.00		12.00		15.99	16.04	18.00	16.27	18.00	16.17	21.00	15.00	15.00					
		134	5270	FuL	14.91	17.00	15.55	17.00	16.25	20.00	12.00		12.00		15.99	14.91	17.00	15.55	17.00	16.25	20.00	15.00	15.00					
		142	5710	FuL	16.09	18.00	16.45	18.00	19.28	21.00	12.00		12.00		15.99	16.09	18.00	16.45	18.00	19.28	21.00	15.00	15.00					
		150	5260	FuL	12.89	14.50	13.19	14.50	16.05	17.50	12.00		12.00		15.99	12.89	14.50	13.19	14.50	16.05	17.50	15.00	15.00					
		110	5260	FuL	15.50	17.00	16.30	17.00	16.93	20.50	12.00		12.00		15.99	15.50	17.00	16.30	17.00	16.93	20.50	15.00	15.00					
		124	5260	FuL	15.53	17.00	15.54	17.00	16.51	20.50	12.00		12.00		15.99	15.53	17.00	15.54	17.00	16.51	20.50	15.00	15.00					
		132	5260	FuL	15.51	17.00	15.56	17.00	16.51	20.50	12.00		12.00		15.99	15.51	17.00	15.56	17.00	16.51	20.50	15.00	15.00					
		140	5700	FuL	12.80	14.50	13.24	14.50	16.04	18.50	12.00		12.00		15.99	12.80	14.50	13.24	14.50	16.04	18.50	15.00	15.00					
		144	5720	FuL	16.01	17.00	16.03	17.00	19.03	20.50	12.00		12.00		15.99	16.01	17.00	16.03	17.00	19.03	20.50	15.00	15.00					
		102	5210	FuL	12.02	13.50	12.28	13.50	15.16	16.50	12.00		12.00		15.99	12.02	13.50	12.28	13.50	15.16	16.50	13.50	13.50					
802.11a-VHT20 MCS0		110	5260	FuL	16.20	17.00	16.74	17.00	16.49	20.00	12.00		12.00		15.99	15.20	17.00	16.74	17.00	16.49	20.00	15.00	15.00					
		126	5260	FuL	15.05	17.00	16.29	17.00	16.18	20.00	12.00		12.00		15.99	15.05	17.00	16.29	17.00	16.18	20.00	15.00	15.00					
		134	5270	FuL	14.89	17.00	15.33	17.00	16.13	20.00	12.00		12.00		15.99	14.89	17.00	15.33	17.00	16.13	20.00	15.00	15.00					
		142	5710	FuL	15.14	17.00	15.36	17.00	16.26	20.00	12.00		12.00		15.99	15.14	17.00	15.36	17.00	16.26	20.00	15.00	15.00					
		106	5250	FuL	16.20	18.00	13.61	18.00	16.42	18.50	10.09	10.09	12.00	10.62	12.00	13.31	15.99	13.20	15.50	13.61	18.00	16.42	18.50	13.05	15.00	16.27	18.00	
		122	5210	FuL	15.52	17.00	16.10	17.00	16.83	20.50	10.05	10.05	12.00	10.55	12.00	13.30	15.99	15.52	17.00	16.10	17.00	16.83	20.50	13.02	15.00	13.44	16.22	18.00
		138	5260	FuL	15.53	17.00	15.89	17.00	16.72	20.50	10.07	10.07	12.00	10.28	12.00	13.18	15.99	15.53	17.00	15.89	17.00	16.72	20.50	13.01	15.00	15.21	16.12	18.00
		146	5700	FuL	15.52	17.00	16.30	17.00	16.42	20.50	12.00		12.00		15.99	15.52	17.00	16.30	17.00	16.42	20.50	15.00	15.00					
		260	5210	FuL	11.15	11.50	11.26	11.50	14.22	14.50	11.10	11.10	12.00	11.50	12.00	14.50	11.15	11.50	11.26	11.50	14.22	14.50	11.50	11.50	11.50	11.50	11.50	11.50
		5237	13.94	14.50	13.96	14.50	16.96	17.50	12.00		12.00		12.00		15.99	13.94	14.50	13.96	14.50	16.96	17.50	14.50	14.50	17.50	17.50	17.50	17.50	
		10633	15.23	16.50	15.52	16.50	16.59	19.50	12.00		12.00		12.00		15.99	15.23	16.50	15.52	16.50	16.59	19.50	15.00	15.00	19.50	19.50	19.50	19.50	
		116	5260	FuL	15.41	17.00	16.30	17.00	16.93	20.50	12.00		12.00		15.99	15.41	17.00	16.30	17.00	16.93	20.50	15.00	15.00	20.50	20.50	20.50	20.50	
802.11a-HE20 MCS0		124	5260	FuL	15.54	17.00	15.57	17.00	16.57	20.50	12.00		12.00		15.99	15.54	17.00	15.57	17.00	16.57	20.50	15.00	15.00					
		132	5260	FuL	15.52	17.00	15.58	17.00	16.56	20.50	12.00		12.00		15.99	15.52	17.00	15.58	17.00	16.56	20.50	15.00	15.00					
		140	5700	FuL	14.48	16.50	14.03	16.50	17.26	19.50	12.00		12.00		15.99	14.48	16.50	14.03	16.50	17.26	19.50	15.00	15.00					
		260	5237	FuL	10.97	12.50	11.27	12.50	14.13	14.50	10.97	10.97	12.00	11.27	12.00	14.13	10.97	12.50	11.27	12.50	14.13	14.50	12.50	12.50				
		5240	13.77	15.00	13.97	15.00	16.88	18.50	12.00		12.00		12.00		15.99	13.77	15.00	13.97	15.00	16.88	18.50	15.00	15.00					
		10654	15.99	17.50	16.07	17.50	16.04	20.50	12.00		12.00		12.00		15.99	15.99	17.50	16.07	17.50	16.04	20.50	15.00	15.00					
		144	5700	FuL	15.55	17.50	15.56	17.50	16.62	20.50	12.00		12.00		15.99	15.55	17.50	15.56	17.50	16.62	20.50	15.00	15.00					
		260	11.12	12.50	11.44	12.50	14.29	15.00	12.00		12.00		12.00		15.99	11.12	12.50	11.44	12.50	14.29	15.00	12.50	12.50					
		5237	13.95	15.00	14.05	15.00	17.01	18.50	12.00		12.00		12.00		15.99	13.95	15.00	14.05	15.00	17.01	18.50	15.00	15.00					
		10654	16.03	17.00	16.16	17.00	16.12	20.50	12.00		12.00		12.00		15.99	16.03	17.00	16.16	17.00	16.12	20.50	15.00	15.00					
		102	5210	FuL	14.58	16.00	14.16	16.00	17.38	19.00	12.00		12.00		15.99	14.58	16.00	14.16	16.00	17.38	19.00	15.00	15.00					
	802.11a-HE40 MCS0		242/61	16.34	17.00	16.86	17.00	16.92	20.50	12.00		12.00		12.00		15.99	16.34	17.00	16.86	17.00	16.92	20.50	15.00	15.00				
		116	5260	FuL	16.18	18.00	16.74	18.00	16.74	20.00	12.00		12.00		15.99	16.18	18.00	16.74	18.00	16.74	20.00	15.00	15.00					
		126	5260	FuL	15.12	17.00	15.42	17.00	16.28	20.00	12.00		12.00		15.99	15.12	17.00	15.42	17.00	16.28	20.00	15.00	15.00					
		134	5270	FuL	15.30	17.00	15.58	17.00	16.45	20.00	12.00		12.00		15.99	15.30	17.00	15.58	17.00	16.45	20.00	15.00	15.00					
		242/62	16.28	17.50	15.55	17.50	16.43	20.50	12.00		12.00		12.00		15.99	16.28	17.50	15.55	17.50	16.43	20.50	15.00	15.00					
		116	5260	FuL	15.18	17.00	15.47	17.00	16.32	20.00	12.00		12.00		15.99	15.18	17.00	15.47	17.00	16.32	20.00							

BT BR/EDR Ant24

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

BLE Ant24

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