

Band 42 Ant10 DS15									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990			
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	21.07	21.12	21.05			
20	QPSK	1	49	21.03	21.05	20.99	21.7	0	
20	QPSK	1	99	20.83	20.84	20.92			
20	QPSK	50	0	21.06	21.10	21.07			
20	QPSK	50	24	21.03	21.03	21.07			
20	QPSK	50	50	20.98	21.04	20.97	21.7	0	
20	QPSK	100	0	20.96	21.07	21.03			
20	16QAM	1	0	21.06	21.07	20.97			
20	16QAM	1	49	20.99	20.93	20.94			
20	16QAM	1	99	20.91	20.87	20.86	21.7	0	
20	16QAM	50	0	21.04	20.86	21.04			
20	16QAM	50	24	20.97	20.96	21.11			
20	16QAM	50	50	21.05	21.04	21.02			
20	16QAM	100	0	20.98	21.10	21.05	21.7	0	
20	64QAM	1	0	21.02	21.06	20.92			
20	64QAM	1	49	20.96	20.88	20.92			
20	64QAM	1	99	20.84	20.79	20.73			
20	64QAM	50	0	21.02	20.98	21.05			
20	64QAM	50	24	20.95	21.02	21.07			
20	64QAM	50	50	21.02	21.04	21.00			
20	64QAM	100	0	21.06	21.10	21.05	21.7	0	
20	256QAM	1	0	19.79	19.76	19.86			
20	256QAM	1	49	19.59	19.46	19.58			
20	256QAM	1	99	19.59	19.49	19.84			
20	256QAM	50	0	19.66	19.94	19.94			
20	256QAM	50	24	19.59	19.80	19.81			
20	256QAM	50	50	19.84	19.64	19.78			
20	256QAM	100	0	19.86	19.75	19.73	20.7	1	
Channel				42165	42590	43015			
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	20.99	21.00	20.86			
15	QPSK	1	37	21.05	20.92	20.81	21.7	0	
15	QPSK	1	74	20.84	20.74	20.90			
15	QPSK	36	0	20.88	20.91	21.02			
15	QPSK	36	20	20.85	20.83	20.95			
15	QPSK	36	39	20.91	20.84	20.83			
15	QPSK	75	0	20.96	20.86	20.93			
15	16QAM	1	0	21.04	20.90	20.76			
15	16QAM	1	37	20.79	20.89	20.77	21.7	0	
15	16QAM	1	74	20.75	20.86	20.76			
15	16QAM	36	0	20.98	20.85	20.83			
15	16QAM	36	20	20.89	20.77	20.90			
15	16QAM	36	39	20.91	20.83	21.02			
15	16QAM	75	0	20.88	21.09	20.93			
15	64QAM	1	0	20.83	21.04	20.81			
15	64QAM	1	37	20.98	20.72	20.74			
15	64QAM	1	74	20.84	20.71	20.74			
15	64QAM	36	0	20.93	20.88	20.98			
15	64QAM	36	20	20.88	20.86	21.05			
15	64QAM	36	39	20.98	20.98	20.82			
15	64QAM	75	0	20.91	20.96	20.86			
15	256QAM	1	0	19.61	19.86	19.81			
15	256QAM	1	37	19.53	19.64	19.78			
15	256QAM	1	74	19.68	19.49	19.81			
15	256QAM	36	0	19.73	19.94	19.92			
15	256QAM	36	20	19.68	19.69	19.75			
15	256QAM	36	39	19.80	19.74	19.83			
15	256QAM	75	0	19.69	19.72	19.82	20.7	1	
Channel				42160	42590	43010			
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	21.01	20.98	20.97			
10	QPSK	1	25	20.87	20.88	20.74	21.7	0	
10	QPSK	1	49	20.69	20.80	20.70			
10	QPSK	25	0	20.82	21.05	20.89			
10	QPSK	25	12	20.98	20.82	20.96			
10	QPSK	25	25	20.82	20.79	20.78			
10	QPSK	50	0	20.79	20.88	20.92			
10	16QAM	1	0	20.81	20.97	20.81			
10	16QAM	1	25	20.83	20.68	20.82			
10	16QAM	1	49	20.72	20.81	20.81			
10	16QAM	25	0	20.87	20.83	21.00			
10	16QAM	25	12	20.74	20.90	21.01			
10	16QAM	25	25	20.96	20.93	20.98			
10	16QAM	50	0	20.94	20.83	20.95			
10	64QAM	1	0	20.80	20.96	20.68			
10	64QAM	1	25	20.92	20.70	20.80			
10	64QAM	1	49	20.79	20.69	20.65			
10	64QAM	25	0	20.76	20.79	20.88			
10	64QAM	25	12	20.74	20.83	21.01			
10	64QAM	25	25	20.76	20.93	20.82			
10	64QAM	50	0	20.83	20.83	20.82			
10	256QAM	1	0	19.83	19.95	19.77			
10	256QAM	1	25	19.58	19.51	19.56			
10	256QAM	1	49	19.58	19.60	19.74			
10	256QAM	25	0	19.70	19.88	19.94			
10	256QAM	25	12	19.71	19.77	19.81			
10	256QAM	25	25	19.81	19.75	19.91			
10	256QAM	50	0	19.73	19.84	19.85			
Channel				42115	42590	43065			
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	20.86	20.95	20.88			
5	QPSK	1	12	20.97	21.02	20.89	21.7	0	
5	QPSK	1	24	20.76	20.64	20.78			
5	QPSK	12	0	20.82	21.00	20.91			
5	QPSK	12	7	20.85	20.79	20.90			
5	QPSK	12	13	20.94	20.80	20.72			
5	QPSK	25	0	20.87	20.94	20.94			
5	16QAM	1	0	21.01	21.03	20.82			
5	16QAM	1	12	20.85	20.90	20.88			
5	16QAM	1	24	20.78	20.83	20.81			
5	16QAM	12	0	20.78	20.74	20.92			
5	16QAM	12	7	20.84	20.72	20.94			
5	16QAM	12	13	20.79	20.80	20.87			
5	16QAM	25	0	20.84	20.94	20.84			
5	64QAM	1	0	20.97	20.95	20.71			
5	64QAM	1	12	20.81	20.77	20.81			
5	64QAM	1	24	20.76	20.62	20.68			
5	64QAM	12	0	20.88	20.85	20.97			
5	64QAM	12	7	20.90	20.76	20.98			
5	64QAM	12	13	20.90	20.87	20.79			
5	64QAM	25	0	20.87	21.05	20.98			
5	256QAM	1	0	19.71	19.92	19.69			
5	256QAM	1	12	19.62	19.55	19.67			
5	256QAM	1	24	19.60	19.43	19.82			
5	256QAM	12	0	19.81	19.99	19.79			
5	256QAM	12	7	19.69	19.80	19.78			
5	256QAM	12	13	19.83	19.71	19.91			
5	256QAM	25	0	19.90	19.64	19.85			

Band 48 Ant10 DS15									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	17.43	17.63	17.66	17.43	18.5	0
20	QPSK	1	49	17.53	17.39	17.45	17.53		
20	QPSK	1	99	17.20	17.35	17.26	17.33		
20	QPSK	50	0	17.18	17.19	17.42	17.07	18.5	0
20	QPSK	50	24	17.02	17.00	17.01	17.11		
20	QPSK	50	50	16.94	17.08	16.94	17.04		
20	QPSK	100	0	16.98	17.09	17.15	17.06	18.5	0
20	16QAM	1	0	17.07	17.10	16.98	17.03		
20	16QAM	1	49	16.95	16.97	17.02	16.95		
20	16QAM	1	99	16.92	16.81	16.88	16.83	18.5	0
20	16QAM	50	0	17.04	16.80	16.74	17.12		
20	16QAM	50	24	16.88	17.07	16.93	17.00		
20	16QAM	50	50	16.99	17.07	17.11	17.04	18.5	0
20	16QAM	100	0	16.97	17.11	17.17	17.06		
20	64QAM	1	0	17.11	17.13	17.11	16.98		
20	64QAM	1	49	16.87	16.78	16.98	16.97	18.5	0
20	64QAM	1	99	16.91	16.81	16.81	16.65		
20	64QAM	50	0	17.03	17.29	17.05	16.92		
20	64QAM	50	24	17.04	16.95	16.99	17.16	18.5	0
20	64QAM	50	50	16.82	16.97	16.88	16.80		
20	64QAM	100	0	17.20	17.61	17.49	17.53		
20	256QAM	1	0	17.13	17.34	17.07	17.01	18.5	0
20	256QAM	1	49	17.28	16.97	16.97	17.13		
20	256QAM	1	99	17.17	16.93	17.06	17.14		
20	256QAM	50	0	16.95	17.03	17.06	17.02	18.5	0
20	256QAM	50	24	17.17	16.93	17.06	17.14		
20	256QAM	50	50	16.79	16.86	16.85	16.81		
20	256QAM	100	0	16.98	16.92	17.02	17.04	Tune-up limit (dBm)	MPR (dB)
Channel				55315	55820	56160	56655		
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	16.89	17.04	16.85	16.99	18.5	0
15	QPSK	1	37	16.97	16.79	16.83	16.89		
15	QPSK	1	74	16.69	16.66	16.84	16.73		
15	QPSK	36	0	17.01	17.13	17.04	16.95	18.5	0
15	QPSK	36	20	16.96	17.00	16.79	17.09		
15	QPSK	36	39	16.87	16.86	16.86	16.97		
15	QPSK	75	0	16.92	16.91	16.89	17.06	18.5	0
15	16QAM	1	0	16.86	17.00	16.80	16.80		
15	16QAM	1	37	16.75	16.90	16.82	16.92		
15	16QAM	1	74	16.89	16.57	16.82	16.82	18.5	0
15	16QAM	36	0	17.02	16.71	16.64	16.90		
15	16QAM	36	20	16.83	17.03	16.76	16.85		
15	16QAM	36	39	16.94	16.85	16.88	16.87	18.5	0
15	16QAM	75	0	16.92	16.95	16.98	16.89		
15	64QAM	1	0	17.07	16.93	16.95	16.90		
15	64QAM	1	37	16.68	16.73	16.76	16.84	18.5	0
15	64QAM	1	74	16.85	16.76	16.75	16.64		
15	64QAM	36	0	16.79	17.09	16.95	16.74		
15	64QAM	36	20	16.81	16.87	16.79	16.95	18.5	0
15	64QAM	36	39	16.78	16.92	16.75	16.73		
15	64QAM	75	0	17.55	17.57	17.33	17.51		
15	256QAM	1	0	17.05	16.74	16.90	16.97	18.5	0
15	256QAM	1	37	17.15	16.83	17.04	16.95		
15	256QAM	1	74	16.83	16.85	16.91	17.00		
15	256QAM	36	0	16.92	16.78	17.00	17.02	18.5	0
15	256QAM	36	20	16.63	16.83	16.73	16.80		
15	256QAM	36	39	16.95	16.79	16.80	16.88		
15	256QAM	75	0	16.95	16.79	16.80	16.89	Tune-up limit (dBm)	MPR (dB)
Channel				55290	55815	56165	56690		
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	16.95	17.11	17.02	16.99	18.5	0
10	QPSK	1	25	17.06	16.85	16.99	16.92		
10	QPSK	1	49	16.72	16.84	16.80	16.70		
10	QPSK	25	0	16.95	17.11	16.80	16.95	18.5	0
10	QPSK	25	12	16.88	16.79	16.81	16.94		
10	QPSK	25	25	16.87	16.94	16.89	17.00		
10	QPSK	50	0	16.81	16.96	16.88	17.03	18.5	0
10	16QAM	1	0	17.06	17.10	16.91	16.84		
10	16QAM	1	25	16.89	16.83	16.79	16.71		
10	16QAM	1	49	16.71	16.62	16.65	16.78	18.5	0
10	16QAM	25	0	16.99	16.74	16.59	16.97		
10	16QAM	25	12	16.83	16.98	16.82	16.84		
10	16QAM	25	25	16.90	17.00	16.91	16.99	18.5	0
10	16QAM	50	0	16.74	16.92	16.88	17.03		
10	64QAM	1	0	16.98	17.02	16.88	16.77		
10	64QAM	1	25	16.84	16.63	16.79	16.88	18.5	0
10	64QAM	1	49	16.67	16.58	16.70	16.65		
10	64QAM	25	0	16.95	16.90	16.96	16.86		
10	64QAM	25	12	16.83	16.75	16.93	17.04	18.5	0
10	64QAM	25	25	16.61	16.73	16.66	16.78		
10	64QAM	50	0	17.43	17.47	17.33	17.52		
10	256QAM	1	0	17.06	17.30	16.88	16.82	18.5	0
10	256QAM	1	25	17.13	16.87	16.90	17.07		
10	256QAM	1	49	17.14	16.81	17.03	16.92		
10	256QAM	25	0	16.88	16.81	16.94	16.84	18.5	0
10	256QAM	25	12	17.03	16.76	16.97	17.07		
10	256QAM	25	25	16.61	16.73	16.79	16.63		
10	256QAM	50	0	16.74	16.73	16.89	16.94	Tune-up limit (dBm)	MPR (dB)
Channel				55265	55810	56170	56715		
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	16.91	17.04	16.93	16.98	18.5	0
5	QPSK	1	12	16.85	16.70	16.88	16.88		
5	QPSK	1	24	16.65	16.83	16.74	16.85		
5	QPSK	12	0	16.98	17.08	16.90	16.93	18.5	0
5	QPSK	12	7	17.02	16.84	16.83	16.90		
5	QPSK	12	13	16.82	17.01	16.71	16.86		
5	QPSK	25	0	16.98	16.90	16.97	17.03	18.5	0
5	16QAM	1	0	16.85	16.91	16.97	16.88		
5	16QAM	1	12	16.88	16.97	16.83	16.81		
5	16QAM	1	24	16.86	16.74	16.80	16.72	18.5	0
5	16QAM	12	0	16.94	16.63	16.67	17.04		
5	16QAM	12	7	16.71	16.96	16.88	16.77		
5	16QAM	12	13	16.93	17.06	16.96	17.01	18.5	0
5	16QAM	25	0	16.86	16.88	16.92	16.87		
5	64QAM	1	0	16.82	16.95	16.84	16.75		
5	64QAM	1	12	16.72	16.72	16.82	16.83	18.5	0
5	64QAM	12	7	16.73	16.68	16.65	16.65		
5	64QAM	12	7	16.90	17.08	16.94	16.72		
5	64QAM	12	7	16.83	16.89	16.89	17.06	18.5	0
5	64QAM	25	0	17.52	17.60	17.28	17.43		
5	256QAM	1	0	16.96	17.13	17.00	17.00		
5	256QAM	1	12	17.12	16.89	16.82	17.00	18.5	0
5	256QAM	1	24	17.16	16.84	16.95	16.98		
5	256QAM	12	0	16.78	17.02	16.88	16.96		
5	256QAM	12	7	16.94	16.75	16.90	16.91	18.5	0
5	256QAM	12	13	16.65	16.73	16.72	16.79		
5	256QAM	25	0	16.86	16.81	16.86	16.91		

Band 42 Ant11 DS15									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990			
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	21.15	21.18	21.08			
20	QPSK	1	49	21.03	20.94	20.92	22.5	0	
20	QPSK	1	99	21.16	21.09	21.05			
20	QPSK	50	0	20.05	20.14	20.02			
20	QPSK	50	24	19.94	20.05	20.05	21.5	1	
20	QPSK	50	50	20.06	20.04	20.09			
20	QPSK	100	0	20.07	20.19	20.04			
20	16QAM	1	0	20.07	20.04	20.12	21.5	1	
20	16QAM	1	49	19.79	19.90	19.90			
20	16QAM	1	99	20.07	20.03	19.99			
20	16QAM	50	0	19.13	19.05	19.08	20.5	2	
20	16QAM	50	24	18.93	19.03	19.15			
20	16QAM	50	50	19.03	19.04	19.01			
20	16QAM	100	0	19.08	19.08	18.98	20.5	2	
20	64QAM	1	0	18.92	19.04	19.15			
20	64QAM	1	49	19.09	19.03	19.01			
20	64QAM	1	99	18.84	18.92	18.82	19.5	3	
20	64QAM	50	0	18.05	18.06	18.17			
20	64QAM	50	24	18.07	18.04	18.03			
20	64QAM	50	50	17.94	18.05	18.08	17.5	5	
20	64QAM	100	0	17.99	18.08	18.02			
20	256QAM	1	0	16.08	16.12	16.20			
20	256QAM	1	49	15.96	15.99	15.94	17.5	5	
20	256QAM	1	99	16.17	16.18	15.96			
20	256QAM	50	0	15.99	16.15	16.05			
20	256QAM	50	24	15.91	16.15	16.02	17.5	5	
20	256QAM	50	50	16.02	15.95	15.98			
20	256QAM	100	0	16.17	16.08	16.07			
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	21.13	21.06	21.10			
15	QPSK	1	37	20.95	20.88	20.89	22.5	0	
15	QPSK	1	74	21.17	20.91	20.94			
15	QPSK	36	0	19.85	20.07	19.98	21.5	1	
15	QPSK	36	20	19.73	20.07	19.90			
15	QPSK	36	39	19.88	20.04	20.10			
15	QPSK	75	0	20.04	20.01	20.05	21.5	1	
15	16QAM	1	0	19.88	19.82	19.96			
15	16QAM	1	37	19.82	19.70	19.68	20.5	2	
15	16QAM	1	74	20.02	19.99	19.94			
15	16QAM	36	0	18.97	18.92	18.94	20.5	2	
15	16QAM	36	20	18.73	18.88	18.12			
15	16QAM	36	39	18.86	18.99	18.90			
15	16QAM	75	0	19.00	18.89	18.90	20.5	2	
15	64QAM	1	0	18.83	18.83	18.93			
15	64QAM	1	37	19.14	18.93	18.83			
15	64QAM	1	74	18.78	18.81	18.83	19.5	3	
15	64QAM	36	0	17.95	17.86	17.93			
15	64QAM	36	20	17.97	18.07	17.96			
15	64QAM	36	39	17.83	17.95	18.07	17.5	5	
15	64QAM	75	0	17.75	17.94	17.79			
15	256QAM	1	0	16.02	15.96	16.03			
15	256QAM	1	37	15.93	15.91	16.01	17.5	5	
15	256QAM	1	74	16.10	15.80	16.01			
15	256QAM	36	0	15.81	16.00	16.01			
15	256QAM	36	20	15.85	16.16	15.79	17.5	5	
15	256QAM	36	39	15.85	16.15	16.12			
15	256QAM	75	0	15.97	16.10	16.14			
Channel				42160	42590	43010	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				34165	3500	35415			
10	QPSK	1	0	21.01	21.09	20.96			
10	QPSK	1	25	20.81	20.83	20.95	22.5	0	
10	QPSK	1	49	20.99	20.90	20.85			
10	QPSK	25	0	19.92	19.99	19.81	21.5	1	
10	QPSK	25	12	19.76	19.83	19.99			
10	QPSK	25	25	20.07	20.01	19.89	21.5	1	
10	QPSK	50	0	20.14	19.91	19.94			
10	16QAM	1	0	20.04	19.88	20.00	21.5	1	
10	16QAM	1	25	19.83	19.89	19.85			
10	16QAM	1	49	20.02	19.93	19.90			
10	16QAM	25	0	18.93	18.91	19.10	20.5	2	
10	16QAM	25	12	18.72	18.89	19.02			
10	16QAM	25	25	19.00	18.93	19.00			
10	16QAM	50	0	19.07	19.10	18.97	20.5	2	
10	64QAM	1	0	18.76	18.81	18.94			
10	64QAM	1	25	18.88	18.98	18.78			
10	64QAM	1	49	18.76	18.77	18.70	19.5	3	
10	64QAM	25	0	17.94	17.99	18.06			
10	64QAM	25	12	17.83	18.09	18.06			
10	64QAM	25	25	17.82	17.99	18.11	17.5	5	
10	64QAM	50	0	18.00	18.01	17.78			
10	256QAM	1	0	15.99	16.18	15.90			
10	256QAM	1	25	15.79	15.83	16.00	17.5	5	
10	256QAM	1	49	15.98	15.91	15.92			
10	256QAM	25	0	15.90	16.06	15.81			
10	256QAM	25	12	15.71	15.72	15.92	17.5	5	
10	256QAM	25	25	16.03	15.93	15.92			
10	256QAM	50	0	16.22	16.03	15.83			
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	21.11	21.05	21.03			
5	QPSK	1	12	20.78	20.85	20.87	22.5	0	
5	QPSK	1	24	21.06	21.04	20.97			
5	QPSK	12	0	19.89	19.82	19.81	21.5	1	
5	QPSK	12	7	19.91	19.87	19.81			
5	QPSK	12	13	20.05	19.97	19.92			
5	QPSK	25	0	19.95	19.99	19.90	21.5	1	
5	16QAM	1	0	19.99	19.83	19.91			
5	16QAM	1	12	19.82	19.88	19.78			
5	16QAM	1	24	19.98	20.08	19.76	20.5	2	
5	16QAM	12	0	19.13	18.98	18.88			
5	16QAM	12	7	18.87	19.03	19.09			
5	16QAM	12	13	18.80	18.83	18.82	20.5	2	
5	16QAM	25	0	19.02	18.90	18.74			
5	64QAM	1	0	18.80	18.86	19.03	20.5	2	
5	64QAM	1	12	19.07	18.94	18.79			
5	64QAM	1	24	18.86	18.90	18.73			
5	64QAM	12	0	17.84	18.09	18.13	19.5	3	
5	64QAM	12	7	18.09	17.99	17.87			
5	64QAM	12	13	17.74	17.97	18.01			
5	64QAM	25	0	17.87	17.95	17.93	17.5	5	
5	256QAM	1	0	16.10	15.97	16.03			
5	256QAM	1	12	15.81	15.76	15.89			
5	256QAM	1	24	16.15	15.95	15.86	17.5	5	
5	256QAM	12	0	15.91	15.72	15.76			
5	256QAM	12	7	15.88	15.79	15.70			
5	256QAM	12	13	16.08	16.03	15.84	17.5	5	
5	256QAM	25	0	16.02	16.04	15.79			

Band 48 Ant11 DS15									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	18.63	18.73	18.75	18.63	20	0
20	QPSK	1	49	18.55	18.71	18.55	18.52		
20	QPSK	1	99	18.70	18.60	18.58	18.57		
20	QPSK	50	0	17.72	17.85	17.87	17.64		
20	QPSK	50	24	17.79	17.61	17.63	17.71	19	1
20	QPSK	50	50	17.65	17.65	17.71	17.78		
20	QPSK	100	0	17.76	17.82	17.88	17.74		
20	16QAM	1	0	17.81	17.57	17.77	17.73		
20	16QAM	1	49	17.85	17.89	17.85	17.83	19	1
20	16QAM	1	99	17.76	17.87	17.86	17.82		
20	16QAM	50	0	16.67	16.68	16.81	16.72		
20	16QAM	50	24	16.68	16.77	16.87	16.83		
20	16QAM	50	50	16.83	16.74	16.63	16.64	18	2
20	16QAM	100	0	16.67	16.70	16.73	16.83		
20	64QAM	1	0	16.83	16.45	16.66	16.46		
20	64QAM	1	49	16.58	16.66	16.41	16.56		
20	64QAM	1	99	16.41	16.38	16.40	16.58	18	2
20	64QAM	50	0	15.78	15.68	15.79	15.74		
20	64QAM	50	24	15.67	15.90	15.88	15.74		
20	64QAM	50	50	15.75	15.66	15.72	15.71		
20	64QAM	100	0	15.77	15.79	15.77	15.94	17	3
20	256QAM	1	0	13.66	13.74	13.49	13.60		
20	256QAM	1	49	13.61	13.80	13.64	13.64		
20	256QAM	1	99	13.77	13.53	13.49	13.61		
20	256QAM	50	0	13.82	13.86	13.54	13.55	15	5
20	256QAM	50	24	13.89	13.51	13.63	13.61		
20	256QAM	50	50	13.71	13.57	13.82	13.86		
20	256QAM	100	0	13.76	13.77	13.80	13.83		
Channel				55315	55820	56160	56665		
Frequency (MHz)				3567.5	3608	3642	3692.5		
15	QPSK	1	0	18.48	18.30	18.46	18.53	20	0
15	QPSK	1	37	18.48	18.50	18.43	18.52		
15	QPSK	1	74	18.61	18.40	18.46	18.61		
15	QPSK	36	0	17.58	17.54	17.80	17.60		
15	QPSK	36	20	17.71	17.59	17.64	17.62	19	1
15	QPSK	36	39	17.61	17.70	17.72	17.82		
15	QPSK	75	0	17.67	17.66	17.73	17.71		
15	16QAM	1	0	17.62	17.51	17.70	17.71		
15	16QAM	1	37	17.77	17.76	17.75	17.70	19	1
15	16QAM	1	74	17.68	17.63	17.82	17.79		
15	16QAM	36	0	16.64	16.45	16.61	16.58		
15	16QAM	36	20	16.48	16.71	16.75	16.68		
15	16QAM	36	39	16.58	16.72	16.59	16.51	18	2
15	16QAM	75	0	16.46	16.61	16.60	16.62		
15	64QAM	1	0	16.46	16.33	16.68	16.47		
15	64QAM	1	37	16.61	16.67	16.36	16.61		
15	64QAM	1	74	16.43	16.37	16.45	16.37	18	2
15	64QAM	36	0	15.76	15.61	15.78	15.71		
15	64QAM	36	20	15.55	15.77	15.75	15.67		
15	64QAM	36	39	15.50	15.58	15.68	15.57		
15	64QAM	75	0	15.56	15.61	15.55	15.84	17	3
15	256QAM	1	0	13.56	13.37	13.48	13.60		
15	256QAM	37	0	13.40	13.46	13.52	13.63		
15	256QAM	1	74	13.60	13.43	13.44	13.71		
15	256QAM	36	0	13.63	13.64	13.71	13.61	15	5
15	256QAM	36	20	13.61	13.59	13.63	13.64		
15	256QAM	36	39	13.69	13.58	13.77	13.83		
15	256QAM	75	0	13.59	13.78	13.67	13.60		
Channel				55290	55815	56165	56690		
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	18.45	18.35	18.49	18.63	20	0
10	QPSK	1	25	18.41	18.72	18.48	18.33		
10	QPSK	1	49	18.60	18.49	18.60	18.66		
10	QPSK	25	0	17.63	17.63	17.41	17.57		
10	QPSK	25	12	17.67	17.76	17.66	17.49	19	1
10	QPSK	25	25	17.52	17.42	17.54	17.58		
10	QPSK	50	0	17.81	17.51	17.66	17.66		
10	16QAM	1	0	17.86	17.59	17.72	17.66		
10	16QAM	1	25	17.87	17.78	17.78	17.93	19	1
10	16QAM	1	49	17.55	17.71	17.89	17.97		
10	16QAM	25	0	16.68	16.55	16.70	16.67		
10	16QAM	25	12	16.49	16.56	16.67	16.83		
10	16QAM	25	25	16.83	16.60	16.56	16.58	18	2
10	16QAM	50	0	16.60	16.56	16.74	16.78		
10	64QAM	1	0	16.43	16.41	16.47	16.32		
10	64QAM	1	25	16.35	16.67	16.43	16.44		
10	64QAM	1	49	16.44	16.37	16.36	16.38	18	2
10	64QAM	25	0	15.58	15.68	15.58	15.56		
10	64QAM	25	12	15.53	15.71	15.79	15.77		
10	64QAM	25	25	15.63	15.44	15.69	15.74		
10	64QAM	50	0	15.71	15.54	15.56	15.84	17	3
10	256QAM	1	0	13.50	13.38	13.41	13.66		
10	256QAM	1	25	13.33	13.64	13.53	13.42		
10	256QAM	1	49	13.70	13.40	13.71	13.62		
10	256QAM	25	0	13.54	13.57	13.52	13.48	15	5
10	256QAM	25	12	13.79	13.75	13.62	13.49		
10	256QAM	25	25	13.42	13.48	13.58	13.60		
10	256QAM	50	0	13.74	13.60	13.70	13.55		
Channel				55265	55810	56170	56715		
Frequency (MHz)				3562.5	3607	3643	3697.5		
5	QPSK	1	0	18.54	18.50	18.48	18.67	20	0
5	QPSK	1	12	18.36	18.57	18.41	18.49		
5	QPSK	1	24	18.62	18.50	18.45	18.72		
5	QPSK	12	0	17.63	17.51	17.57	17.41		
5	QPSK	12	7	17.73	17.59	17.60	17.61	19	1
5	QPSK	12	13	17.45	17.43	17.65	17.68		
5	QPSK	25	0	17.66	17.75	17.52	17.82		
5	16QAM	1	0	17.60	17.56	17.79	17.74		
5	16QAM	1	12	17.78	17.77	17.79	17.77	19	1
5	16QAM	1	24	17.51	17.67	17.89	17.78		
5	16QAM	12	0	16.55	16.48	16.63	16.75		
5	16QAM	12	7	16.59	16.66	16.69	16.60		
5	16QAM	12	13	16.83	16.54	16.68	16.45	18	2
5	16QAM	25	0	16.61	16.58	16.71	16.85		
5	64QAM	1	0	16.39	16.48	16.57	16.28		
5	64QAM	1	12	16.62	16.59	16.34	16.38		
5	64QAM	1	24	16.43	16.28	16.26	16.45	18	2
5	64QAM	12	7	15.58	15.65	15.81	15.79		
5	64QAM	12	7	15.54	15.80	15.69	15.55		
5	64QAM	25	13	15.77	15.61	15.59	15.56		
5	64QAM	25	0	15.64	15.74	15.74	15.88	17	3
5	256QAM	1	0	13.61	13.51	13.37	13.55		
5	256QAM	1	12	13.38	13.62	13.43	13.61		
5	256QAM	1	24	13.66	13.42	13.57	13.66		
5	256QAM	12	0	13.62	13.61	13.58	13.51	15	5
5	256QAM	12	7	13.73	13.65	13.71	13.62		
5	256QAM	12	13	13.56	13.50	13.63	13.58		
5	256QAM	25	0	13.60	13.83	13.46	13.80		

Band 42 Ant12 DSI5									
BW [Mhz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990			
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	20.33	20.35	20.27	22	0	
20	QPSK	1	49	20.12	20.20	20.16			
20	QPSK	1	99	20.21	20.19	20.20			
20	QPSK	50	0	19.38	19.41	19.36			
20	QPSK	50	24	19.33	19.33	19.32	21	1	
20	QPSK	50	50	19.30	19.27	19.26			
20	QPSK	100	0	19.29	19.34	19.23			
20	16QAM	1	0	19.26	19.45	19.28			
20	16QAM	1	49	19.39	19.37	19.14	21	1	
20	16QAM	1	99	19.25	19.44	19.34			
20	16QAM	50	0	18.46	18.33	18.37			
20	16QAM	50	24	18.35	18.33	18.25			
20	16QAM	50	50	18.22	18.30	18.22	20	2	
20	16QAM	100	0	18.33	18.29	18.35			
20	64QAM	1	0	18.20	18.17	18.28			
20	64QAM	1	49	18.07	18.19	18.22			
20	64QAM	1	99	18.12	18.10	18.21	19	3	
20	64QAM	50	0	17.40	17.38	17.36			
20	64QAM	50	24	17.37	17.29	17.22			
20	64QAM	50	50	17.23	17.25	17.21			
20	64QAM	100	0	17.38	17.23	17.21	17	5	
20	256QAM	1	0	15.35	15.41	15.26			
20	256QAM	1	49	15.19	15.09	15.11			
20	256QAM	1	99	15.12	15.29	15.25			
20	256QAM	50	0	15.43	15.50	15.37	17	5	
20	256QAM	50	24	15.33	15.40	15.30			
20	256QAM	50	50	15.36	15.25	15.36			
20	256QAM	100	0	15.30	15.28	15.19			
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	20.13	20.20	20.10	22	0	
15	QPSK	1	37	20.12	20.07	20.05			
15	QPSK	1	74	20.05	20.13	20.03			
15	QPSK	36	0	19.27	19.28	19.34			
15	QPSK	36	20	19.25	19.26	19.25	21	1	
15	QPSK	36	39	19.22	19.10	19.09			
15	QPSK	75	0	19.23	19.13	19.15			
15	16QAM	1	0	19.19	19.36	19.20			
15	16QAM	1	37	19.31	19.23	19.03	21	1	
15	16QAM	1	74	19.08	19.31	19.20			
15	16QAM	36	0	18.40	18.23	18.30			
15	16QAM	36	20	18.22	18.24	18.07			
15	16QAM	36	39	18.15	18.17	18.04	20	2	
15	16QAM	75	0	18.29	18.17	18.24			
15	64QAM	1	0	18.03	18.06	18.16			
15	64QAM	1	37	18.08	18.15	18.26			
15	64QAM	1	74	18.10	18.17	18.01	19	3	
15	64QAM	36	0	17.35	17.33	17.19			
15	64QAM	36	20	17.33	17.13	17.14			
15	64QAM	36	39	17.12	17.21	17.16			
15	64QAM	75	0	17.25	17.18	17.11	17	5	
15	256QAM	1	0	15.20	15.29	15.05			
15	256QAM	1	37	15.07	15.00	15.08			
15	256QAM	1	74	15.05	15.16	15.00			
15	256QAM	36	0	15.24	15.24	15.35	17	5	
15	256QAM	36	20	15.28	15.24	15.35			
15	256QAM	36	39	15.25	15.11	15.23			
15	256QAM	75	0	15.30	15.18	15.12			
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	20.12	20.08	20.10	22	0	
10	QPSK	1	25	20.00	20.07	20.06			
10	QPSK	1	49	20.08	20.13	20.06			
10	QPSK	25	0	19.18	19.08	19.12			
10	QPSK	25	12	19.09	19.14	19.13	21	1	
10	QPSK	25	25	19.23	19.11	19.09			
10	QPSK	50	0	19.16	19.20	19.08			
10	16QAM	1	0	19.11	19.35	19.12			
10	16QAM	1	25	19.42	19.40	19.09	21	1	
10	16QAM	1	49	19.00	19.15	19.12			
10	16QAM	25	0	18.27	18.11	18.14			
10	16QAM	25	12	18.17	18.14	18.00			
10	16QAM	25	25	18.13	18.19	18.05	20	2	
10	16QAM	50	0	18.16	18.12	18.15			
10	64QAM	1	0	18.11	18.03	18.17			
10	64QAM	1	25	18.10	18.25	18.26			
10	64QAM	1	49	18.09	18.18	18.08	19	3	
10	64QAM	25	0	17.24	17.19	17.07			
10	64QAM	25	12	17.22	17.20	17.10			
10	64QAM	25	25	17.10	17.14	17.15			
10	64QAM	50	0	17.18	17.04	17.04	17	5	
10	256QAM	1	0	15.13	15.18	15.07			
10	256QAM	1	25	15.06	15.19	15.07			
10	256QAM	1	49	15.11	15.10	15.16			
10	256QAM	25	0	15.17	15.09	15.12	17	5	
10	256QAM	25	12	15.01	15.03	15.23			
10	256QAM	25	25	15.33	15.19	15.11			
10	256QAM	50	0	15.25	15.30	15.04			
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	20.20	20.10	20.00	22	0	
5	QPSK	1	12	20.03	20.15	20.07			
5	QPSK	1	24	20.08	20.13	20.07			
5	QPSK	12	0	19.16	19.13	19.20			
5	QPSK	12	7	19.09	19.06	19.06	21	1	
5	QPSK	12	13	19.13	19.10	19.19			
5	QPSK	25	0	19.23	19.20	19.07			
5	16QAM	1	0	19.10	19.30	19.24			
5	16QAM	1	12	19.27	19.27	19.03	21	1	
5	16QAM	1	24	19.06	19.27	19.04			
5	16QAM	12	0	18.26	18.13	18.15			
5	16QAM	12	7	18.05	18.13	18.01			
5	16QAM	12	13	18.06	18.23	18.18	20	2	
5	16QAM	25	0	18.13	18.08	18.06			
5	64QAM	1	0	18.14	18.04	18.22			
5	64QAM	1	12	18.10	18.22	18.21			
5	64QAM	1	24	18.03	18.12	18.06	19	3	
5	64QAM	12	0	17.15	17.09	17.13			
5	64QAM	12	7	17.27	17.13	17.11			
5	64QAM	12	13	17.14	17.10	17.14			
5	64QAM	25	0	17.21	17.08	17.05	17	5	
5	256QAM	1	0	15.34	15.22	15.01			
5	256QAM	1	12	15.05	15.10	15.03			
5	256QAM	1	24	15.32	15.17	15.10			
5	256QAM	12	0	15.18	15.13	15.31	17	5	
5	256QAM	12	7	15.10	15.07	15.08			
5	256QAM	12	13	15.06	15.17	15.28			
5	256QAM	25	0	15.23	15.09	15.11			

Band 48 Ant12 DSI5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	17.69	17.78	17.79	17.58	19.5	0
20	QPSK	1	49	17.72	17.72	17.59	17.67		
20	QPSK	1	99	17.74	17.74	17.54	17.63		
20	QPSK	50	0	16.89	16.93	16.99	16.90		
20	QPSK	50	24	16.87	16.88	16.81	16.90	18.5	1
20	QPSK	50	50	16.75	16.78	16.85	16.79		
20	QPSK	100	0	16.81	16.86	16.87	16.83		
20	16QAM	1	0	16.96	16.77	16.84	16.80		
20	16QAM	1	49	16.59	16.72	16.68	16.86	18.5	1
20	16QAM	1	99	16.60	16.73	16.71	16.61		
20	16QAM	50	0	15.92	15.91	15.84	15.93		
20	16QAM	50	24	15.86	15.96	15.90	15.82		
20	16QAM	50	50	15.76	15.83	15.84	15.81	17.5	2
20	16QAM	100	0	15.91	15.83	15.89	15.79		
20	64QAM	1	0	15.74	15.09	15.75	15.71		
20	64QAM	1	49	15.78	15.77	15.67	15.50		
20	64QAM	1	99	15.54	15.65	15.66	15.56	17.5	2
20	64QAM	50	0	14.82	14.99	14.84	14.81		
20	64QAM	50	24	14.85	14.82	14.95	14.93		
20	64QAM	50	50	14.68	14.84	14.80	14.85		
20	64QAM	100	0	14.30	14.80	14.87	14.81	16.5	3
20	256QAM	1	0	12.69	12.76	12.76	12.59		
20	256QAM	1	49	12.73	12.82	12.60	12.66		
20	256QAM	1	99	12.70	12.54	12.65	12.64		
20	256QAM	50	0	12.94	12.86	12.80	12.81	14.5	5
20	256QAM	50	24	12.86	12.80	12.76	12.81		
20	256QAM	50	50	12.76	12.88	12.86	12.67		
20	256QAM	100	0	12.88	12.81	12.91	12.84		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	17.76	17.71	17.75	17.58	19.5	0
15	QPSK	1	37	17.66	17.77	17.56	17.64		
15	QPSK	1	74	17.72	17.61	17.56	17.61		
15	QPSK	36	0	16.79	16.83	16.85	16.84		
15	QPSK	36	20	16.71	16.71	16.66	16.77	18.5	1
15	QPSK	36	39	16.58	16.62	16.72	16.69		
15	QPSK	75	0	16.72	16.76	16.70	16.76		
15	16QAM	1	0	16.77	16.60	16.79	16.74		
15	16QAM	1	37	16.54	16.55	16.62	16.72	18.5	1
15	16QAM	1	74	16.64	16.78	16.67	16.57		
15	16QAM	36	0	15.81	15.79	15.75	15.84		
15	16QAM	36	20	15.79	15.78	15.73	15.67		
15	16QAM	36	39	15.65	15.69	15.77	15.71	17.5	2
15	16QAM	75	0	15.83	15.70	15.72	15.67		
15	64QAM	1	0	15.57	15.65	15.78	15.67		
15	64QAM	1	37	15.72	15.83	15.56	15.52		
15	64QAM	1	74	15.52	15.59	15.51	15.54	17.5	2
15	64QAM	36	0	14.67	14.90	14.74	14.72		
15	64QAM	36	20	14.74	14.64	14.80	14.81		
15	64QAM	36	39	14.56	14.71	14.70	14.76		
15	64QAM	75	0	14.76	14.69	14.83	14.74	16.5	3
15	256QAM	1	0	12.83	12.59	12.86	12.63		
15	256QAM	1	37	12.72	12.91	12.62	12.60		
15	256QAM	1	74	12.81	12.50	12.52	12.50		
15	256QAM	36	0	12.81	12.75	12.81	12.93	17.5	2
15	256QAM	36	20	12.82	12.81	12.64	12.87		
15	256QAM	36	39	12.69	12.82	12.78	12.62		
15	256QAM	75	0	12.70	12.85	12.65	12.78		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	17.64	17.71	17.70	17.52	19.5	0
10	QPSK	1	25	17.66	17.75	17.59	17.61		
10	QPSK	1	49	17.67	17.70	17.55	17.67		
10	QPSK	25	0	16.89	16.77	16.84	16.75		
10	QPSK	25	12	16.73	16.81	16.74	16.80	18.5	1
10	QPSK	25	25	16.71	16.71	16.73	16.72		
10	QPSK	50	0	16.71	16.65	16.73	16.75		
10	18QAM	1	0	16.72	16.71	16.70	16.65		
10	18QAM	1	25	16.59	16.71	16.65	16.88	18.5	1
10	18QAM	1	49	16.59	16.69	16.73	16.63		
10	18QAM	25	0	15.75	15.75	15.75	15.86		
10	18QAM	25	12	15.81	15.90	15.74	15.76		
10	18QAM	25	25	15.66	15.76	15.73	15.70	17.5	2
10	18QAM	50	0	15.76	15.73	15.76	15.72		
10	64QAM	1	0	15.63	15.60	15.74	15.64		
10	64QAM	1	25	15.73	15.89	15.63	15.54		
10	64QAM	1	49	15.56	15.62	15.74	15.59	17.5	2
10	64QAM	25	0	14.65	14.85	14.72	14.76		
10	64QAM	25	12	14.69	14.68	14.86	14.89		
10	64QAM	25	25	14.56	14.78	14.69	14.70		
10	64QAM	50	0	14.81	14.76	14.70	14.64	16.5	3
10	256QAM	1	0	12.74	12.65	12.66	12.50		
10	256QAM	1	25	12.72	12.76	12.53	12.57		
10	256QAM	1	49	12.72	12.76	12.53	12.57		
10	256QAM	25	0	12.71	12.71	12.69	12.73	14.5	5
10	256QAM	25	12	12.74	12.77	12.78	12.82		
10	256QAM	25	25	12.62	12.71	12.77	12.76		
10	256QAM	50	0	12.67	12.58	12.62	12.75		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	17.67	17.68	17.62	17.56	19.5	0
5	QPSK	1	12	17.76	17.67	17.59	17.63		
5	QPSK	1	24	17.64	17.74	17.70	17.61		
5	QPSK	12	0	16.85	16.85	16.73	16.73		
5	QPSK	12	7	16.70	16.73	16.72	16.76	18.5	1
5	QPSK	12	13	16.70	16.73	16.74	16.62		
5	QPSK	25	0	16.77	16.65	16.68	16.79		
5	18QAM	1	0	16.76	16.69	16.76	16.70		
5	18QAM	1	12	16.59	16.76	16.63	16.88	18.5	1
5	18QAM	1	24	16.58	16.80	16.74	16.66		
5	18QAM	12	0	15.75	15.86	15.79	15.77		
5	18QAM	12	7	15.69	15.91	15.76	15.76		
5	18QAM	12	13	15.70	15.69	15.66	15.64	17.5	2
5	18QAM	25	0	15.83	15.66	15.77	15.65		
5	64QAM	1	0	15.59	15.51	15.70	15.74		
5	64QAM	1	12	15.72	15.84	15.69	15.50		
5	64QAM	1	24	15.59	15.70	15.69	15.53	17.5	2
5	64QAM	12	0	14.76	14.90	14.68	14.63		
5	64QAM	12	7	14.75	14.66	14.78	14.85		
5	64QAM	12	13	14.55	14.74	14.73	14.79		
5	64QAM	25	0	14.80	14.65	14.74	14.70	16.5	3
5	256QAM	1	0	12.75	12.57	12.78	12.64		
5	256QAM	1	12	12.70	12.81	12.68	12.61		
5	256QAM	1	24	12.60	12.57	12.56	12.65		
5	256QAM	12	0	12.81	12.77	12.83	12.62	14.5	5
5	256QAM	12	7	12.73	12.73	12.62	12.77		
5	256QAM	12	13	12.76	12.70	12.67	12.70		
5	256QAM	25	0	12.84	12.69	12.79	12.75		

Band 42 Ant13 DSIS									
BW [MHz]	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)				42190	42590	42990	20.7	0	
				3460	3500	3540			
20	QPSK	1	0	19.84	19.96	19.65	20.7	0	
20	QPSK	1	49	19.85	19.83	19.80			
20	QPSK	1	99	19.73	19.85	19.50			
20	QPSK	50	0	19.77	19.90	19.83			
20	QPSK	50	24	19.75	19.87	19.84	20.7	0	
20	QPSK	50	50	19.72	19.74	19.62			
20	QPSK	100	0	19.79	19.80	19.77			
20	16QAM	1	0	19.77	19.86	19.71			
20	16QAM	1	49	19.75	19.52	19.52	20.7	0	
20	16QAM	1	99	19.78	19.82	19.54			
20	16QAM	50	0	19.52	19.80	19.80			
20	16QAM	50	24	19.71	19.90	19.78			
20	16QAM	50	50	19.63	19.62	19.68	20.7	0	
20	16QAM	100	0	19.79	19.89	19.79			
20	64QAM	1	0	19.72	19.62	19.63			
20	64QAM	1	49	19.86	19.65	19.69			
20	64QAM	1	99	19.86	19.81	19.50	20.7	0	
20	64QAM	50	0	19.80	19.64	19.66			
20	64QAM	50	24	19.76	19.81	19.91			
20	64QAM	50	50	19.78	19.66	19.62			
20	64QAM	100	0	19.69	19.87	19.93	20.7	0	
20	256QAM	1	0	19.58	19.74	19.49			
20	256QAM	1	49	19.81	19.70	19.63			
20	256QAM	1	99	19.60	19.78	19.37			
20	256QAM	50	0	19.78	19.65	19.71	20.7	0	
20	256QAM	50	24	19.60	19.83	19.73			
20	256QAM	50	50	19.61	19.92	19.50			
20	256QAM	100	0	19.46	19.74	19.66			
Channel Frequency (MHz)				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)	
				3457.5	3500	3542.5	20.7	0	
15	QPSK	1	0	19.53	19.76	19.51			
15	QPSK	1	37	19.70	19.81	19.61			
15	QPSK	1	74	19.53	19.67	19.52			
15	QPSK	36	0	19.49	19.81	19.78			
15	QPSK	36	20	19.88	19.96	19.71	20.7	0	
15	QPSK	36	39	19.54	19.77	19.71			
15	QPSK	75	0	19.62	19.84	19.78			
15	16QAM	1	0	19.61	19.66	19.62			
15	16QAM	1	37	19.66	19.56	19.46	20.7	0	
15	16QAM	1	74	19.59	19.73	19.41			
15	16QAM	36	0	19.47	19.74	19.65			
15	16QAM	36	20	19.63	19.86	19.77			
15	16QAM	36	39	19.52	19.71	19.60	20.7	0	
15	16QAM	75	0	19.54	19.80	19.64			
15	64QAM	1	0	19.64	19.65	19.51			
15	64QAM	1	37	19.69	19.46	19.52			
15	64QAM	1	74	19.76	19.68	19.42	20.7	0	
15	64QAM	36	0	19.59	19.64	19.64			
15	64QAM	36	20	19.68	19.76	19.78			
15	64QAM	36	39	19.66	19.54	19.50			
15	64QAM	75	0	19.40	19.78	19.73	20.7	0	
15	256QAM	1	0	19.60	19.59	19.55			
15	256QAM	1	37	19.77	19.60	19.45			
15	256QAM	1	74	19.66	19.65	19.38			
15	256QAM	36	0	19.73	19.43	19.49	20.7	0	
15	256QAM	36	20	19.62	19.65	19.59			
15	256QAM	36	39	19.45	19.66	19.37			
15	256QAM	75	0	19.53	19.58	19.49			
Channel Frequency (MHz)				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)	
				3455	3500	3545	20.7	0	
10	QPSK	1	0	19.65	19.86	19.54			
10	QPSK	1	25	19.83	19.73	19.77			
10	QPSK	1	49	19.67	19.83	19.60			
10	QPSK	25	0	19.72	19.87	19.79			
10	QPSK	25	12	19.77	19.90	19.85	20.7	0	
10	QPSK	25	25	19.59	19.80	19.60			
10	QPSK	50	0	19.63	19.75	19.74			
10	16QAM	1	0	19.58	19.73	19.58			
10	16QAM	1	25	19.57	19.44	19.56	20.7	0	
10	16QAM	1	49	19.68	19.73	19.54			
10	16QAM	25	0	19.59	19.73	19.57			
10	16QAM	25	12	19.76	19.86	19.83			
10	16QAM	25	25	19.39	19.53	19.50	20.7	0	
10	16QAM	50	0	19.75	19.79	19.63			
10	64QAM	1	0	19.55	19.65	19.68			
10	64QAM	1	25	19.78	19.53	19.54			
10	64QAM	1	49	19.80	19.62	19.53	20.7	0	
10	64QAM	25	0	19.75	19.60	19.61			
10	64QAM	25	12	19.74	19.62	19.76			
10	64QAM	25	25	19.55	19.69	19.68			
10	64QAM	50	0	19.40	19.79	19.63	20.7	0	
10	256QAM	1	0	19.61	19.55	19.41			
10	256QAM	1	25	19.63	19.72	19.63			
10	256QAM	1	49	19.72	19.55	19.38			
10	256QAM	25	0	19.68	19.63	19.55	20.7	0	
10	256QAM	25	12	19.63	19.66	19.67			
10	256QAM	25	25	19.47	19.64	19.44			
10	256QAM	50	0	19.35	19.68	19.48			
Channel Frequency (MHz)				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)	
				3452.5	3500	3547.5	20.7	0	
5	QPSK	1	0	19.58	19.83	19.56			
5	QPSK	1	12	19.66	19.80	19.64			
5	QPSK	1	24	19.61	19.68	19.38			
5	QPSK	12	0	19.54	19.86	19.89			
5	QPSK	12	7	19.78	19.92	19.67	20.7	0	
5	QPSK	12	13	19.66	19.57	19.61			
5	QPSK	25	0	19.69	19.79	19.69			
5	16QAM	1	0	19.51	19.62	19.52			
5	16QAM	1	12	19.67	19.49	19.46	20.7	0	
5	16QAM	1	24	19.52	19.70	19.53			
5	16QAM	12	0	19.46	19.75	19.63			
5	16QAM	12	7	19.74	19.80	19.73			
5	16QAM	12	13	19.51	19.71	19.56	20.7	0	
5	16QAM	25	0	19.52	19.72	19.61			
5	64QAM	1	0	19.57	19.70	19.65			
5	64QAM	1	12	19.74	19.54	19.72			
5	64QAM	1	24	19.80	19.52	19.45	20.7	0	
5	64QAM	12	0	19.57	19.74	19.63			
5	64QAM	12	7	19.58	19.66	19.83			
5	64QAM	12	13	19.58	19.56	19.67			
5	64QAM	25	0	19.31	19.73	19.62	20.7	0	
5	256QAM	1	0	19.60	19.74	19.35			
5	256QAM	1	12	19.62	19.69	19.64			
5	256QAM	1	24	19.60	19.73	19.43			
5	256QAM	12	0	19.71	19.53	19.68	20.7	0	
5	256QAM	12	7	19.67	19.71	19.66			
5	256QAM	12	13	19.41	19.66	19.31			
5	256QAM	25	0	19.52	19.74	19.60			

Band 48 Ant13 DS15									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)				55340	55830	56150	56640	20.5	0
				3560	3609	3641	3690		
20	QPSK	1	0	19.30	19.41	19.47	19.37	20.5	0
20	QPSK	1	49	19.32	19.23	19.28	19.14		
20	QPSK	1	99	19.42	19.37	19.19	19.21		
20	QPSK	50	0	19.20	19.38	19.45	19.31	20.5	0
20	QPSK	50	24	19.30	19.38	19.42	19.32		
20	QPSK	50	50	19.31	19.28	19.19	19.38		
20	QPSK	100	0	19.41	19.39	19.42	19.34	20.5	0
20	16QAM	1	0	19.03	18.93	19.13	19.24		
20	16QAM	1	49	19.03	18.98	19.20	19.21		
20	16QAM	1	99	19.22	19.33	19.00	19.20	20.5	0
20	16QAM	50	0	19.09	19.25	19.28	19.37		
20	16QAM	50	24	19.10	19.07	19.14	19.18		
20	16QAM	50	50	19.17	19.42	19.02	19.28	20.5	0
20	16QAM	100	0	19.41	19.19	19.35	19.20		
20	64QAM	1	0	19.19	19.06	19.24	19.14		
20	64QAM	1	49	18.98	19.27	18.97	19.15	20.5	0
20	64QAM	1	99	19.34	19.23	19.01	19.18		
20	64QAM	50	0	19.12	19.20	19.31	19.37		
20	64QAM	50	24	19.17	19.28	19.39	19.21	20.5	0
20	64QAM	50	50	19.14	19.32	19.18	19.19		
20	64QAM	100	0	19.45	19.27	19.21	19.27		
20	256QAM	1	0	17.39	17.24	17.01	17.27	18.5	2
20	256QAM	1	49	17.17	17.22	16.97	17.11		
20	256QAM	1	99	17.26	17.18	17.23	17.25		
20	256QAM	50	0	17.24	17.26	17.23	17.41	18.5	2
20	256QAM	50	24	17.05	17.31	17.51	17.43		
20	256QAM	50	50	17.32	17.45	17.10	17.22		
20	256QAM	100	0	17.31	17.35	17.23	17.38	18.5	2
Channel Frequency (MHz)				55315	55820	56160	56665		
				3557.5	3608	3642	3692.5		
15	QPSK	1	0	19.22	19.34	19.26	19.21	20.5	0
15	QPSK	1	37	19.29	19.14	19.09	19.11		
15	QPSK	1	74	19.36	19.37	19.16	19.08		
15	QPSK	36	0	19.13	19.27	19.41	19.27	20.5	0
15	QPSK	36	20	19.22	19.16	19.40	19.18		
15	QPSK	36	39	19.20	19.19	19.02	19.26		
15	QPSK	75	0	19.23	19.30	19.21	19.19	20.5	0
15	16QAM	1	0	18.95	18.72	19.08	19.09		
15	16QAM	1	37	18.89	18.98	19.03	19.12		
15	16QAM	1	74	19.20	19.20	18.95	19.20	20.5	0
15	16QAM	36	0	19.02	19.10	19.12	19.31		
15	16QAM	36	20	19.00	19.02	19.08	19.20		
15	16QAM	36	39	18.98	19.19	18.93	19.09	20.5	0
15	16QAM	75	0	19.25	19.12	19.26	19.03		
15	64QAM	1	0	19.17	18.91	19.12	19.02		
15	64QAM	1	37	18.88	19.29	18.96	19.08	20.5	0
15	64QAM	1	74	19.26	19.04	18.83	19.20		
15	64QAM	36	0	19.13	19.03	19.22	19.23		
15	64QAM	36	20	19.03	19.20	19.22	19.00	18.5	2
15	64QAM	36	39	18.98	19.28	19.08	19.00		
15	64QAM	75	0	19.28	19.29	19.09	19.18		
15	256QAM	1	0	17.30	17.04	16.95	17.07	18.5	2
15	256QAM	1	37	16.98	17.20	16.90	16.92		
15	256QAM	1	74	17.09	17.07	17.20	17.05		
15	256QAM	36	0	17.11	17.11	17.07	17.20	18.5	2
15	256QAM	36	20	16.88	17.14	17.30	17.29		
15	256QAM	36	39	17.34	17.22	16.95	17.17		
15	256QAM	75	0	17.12	17.19	17.08	17.17	18.5	2
Channel Frequency (MHz)				55290	55815	56165	56690		
				3555	3607.5	3642.5	3695		
10	QPSK	1	0	19.22	19.34	19.36	19.35	20.5	0
10	QPSK	1	25	19.22	19.12	19.26	19.03		
10	QPSK	1	49	19.28	19.24	19.05	19.16		
10	QPSK	25	0	19.03	19.29	19.38	19.10	20.5	0
10	QPSK	25	12	19.09	19.33	19.30	19.22		
10	QPSK	25	25	19.18	19.25	19.20	19.22		
10	QPSK	50	0	19.31	19.25	19.42	19.13	20.5	0
10	16QAM	1	0	18.97	18.89	19.10	19.10		
10	16QAM	1	25	18.85	18.95	19.19	19.12		
10	16QAM	1	49	19.22	19.11	18.83	19.18	20.5	0
10	16QAM	25	0	19.07	19.14	19.27	19.23		
10	16QAM	25	12	19.07	18.86	19.14	19.09		
10	16QAM	25	25	19.08	19.26	19.00	19.06	20.5	0
10	16QAM	50	0	19.15	19.04	19.13	19.00		
10	64QAM	1	0	19.02	18.84	19.10	19.10		
10	64QAM	1	25	18.99	19.26	18.85	19.08	20.5	0
10	64QAM	1	49	19.14	19.19	18.94	19.02		
10	64QAM	25	0	18.90	19.08	19.20	19.31		
10	64QAM	25	12	19.06	19.25	19.21	19.10	18.5	2
10	64QAM	25	25	18.99	19.15	18.98	19.04		
10	64QAM	50	0	19.23	19.25	19.16	19.05		
10	256QAM	1	0	17.24	17.12	17.00	17.09	18.5	2
10	256QAM	1	25	17.10	17.01	16.91	16.90		
10	256QAM	1	49	17.26	17.02	17.08	17.24		
10	256QAM	25	0	17.24	17.21	17.21	17.27	18.5	2
10	256QAM	25	12	17.00	17.24	17.37	17.41		
10	256QAM	25	25	17.15	17.35	16.99	17.14		
10	256QAM	50	0	17.25	17.26	17.13	17.18	18.5	2
Channel Frequency (MHz)				55265	55810	56170	56715		
				3552.5	3607	3643	3697.5		
5	QPSK	1	0	19.15	19.30	19.41	19.30	20.5	0
5	QPSK	1	12	19.18	19.04	19.17	19.03		
5	QPSK	1	24	19.25	19.24	19.16	19.12		
5	QPSK	12	0	19.16	19.38	19.24	19.28	20.5	0
5	QPSK	12	7	19.15	19.34	19.28	19.27		
5	QPSK	12	13	19.17	19.25	19.20	19.18		
5	QPSK	25	0	19.28	19.35	19.35	19.14	20.5	0
5	16QAM	1	0	19.00	18.93	19.02	19.15		
5	16QAM	1	12	18.99	18.85	19.04	19.01		
5	16QAM	1	24	19.15	19.11	19.01	19.05	20.5	0
5	16QAM	12	0	18.93	19.12	19.15	19.24		
5	16QAM	12	7	18.96	19.07	19.11	19.13		
5	16QAM	12	13	19.14	19.29	18.88	19.30	20.5	0
5	16QAM	25	0	19.30	19.19	19.20	19.15		
5	64QAM	1	0	19.14	18.92	19.21	19.00		
5	64QAM	1	12	18.97	19.15	18.82	19.01	20.5	0
5	64QAM	1	24	19.15	19.23	18.95	19.08		
5	64QAM	12	0	18.95	19.12	19.24	19.29		
5	64QAM	12	7	19.12	19.16	19.32	19.17	18.5	2
5	64QAM	12	13	19.02	19.27	19.11	19.14		
5	64QAM	25	0	19.35	19.25	19.17	19.25		
5	256QAM	1	0	17.18	17.05	16.97	17.10	18.5	2
5	256QAM	1	12	17.17	17.08	16.97	16.98		
5	256QAM	1	24	17.09	17.20	17.08	17.12		
5	256QAM	12	0	17.11	17.28	17.21	17.25	18.5	2
5	256QAM	12	7	16.97	17.19	17.43	17.34		
5	256QAM	12	13	17.23	17.42	17.05	17.02		
5	256QAM	25	0	17.29	17.15	17.06	17.39		



Ant 0 Default Power		DS13C3接收端5		CA_39C							
Combination 20MHz+20MHz (1RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		total RB Size	MPR Level	Measured Power (dbm)	Tune up Power (dbm)	
			RB Size	RB offset	RB Size	RB offset					
37850	38048	QPSK	1	99	1	0	1	0	22.86	24.50	
37901	38099	QPSK	1	0	1	99	1	0	22.93	24.50	
38150	37952	QPSK	1	0	1	99	1	0	22.76	24.50	
37850	38048	QPSK	1	49	50	0	1	0	21.83	23.50	
37901	38099	QPSK	50	0	1	49	1	0	21.91	23.50	
38150	37952	QPSK	50	0	1	49	1	0	21.77	23.50	

Ant 3 Default Power			DS1144							
CA_38C										
Combination 20MHz+20MHz (1RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		total RB Size	MPR Leve	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
37850	38048	QPSK	1	99	1	0	1	0	23.91	25.50
37901	38099	QPSK	1	0	1	99	1	0	23.98	25.50
38150	37952	QPSK	1	0	1	99	1	0	23.85	25.50
37850	38048	QPSK	1	49	50	0	1	0	23.02	24.50
37901	38099	QPSK	50	0	1	49	1	0	23.11	24.50
38150	37952	QPSK	50	0	1	49	1	0	23.03	24.50

Ant 4 Default Power			DS14							
CA_39C										
Combination 20MHz+20MHz (1RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		total RB Size	MPR Level	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
37850	38048	QPSK	1	99	1	0	1	0	24.38	25.50
37901	38099	QPSK	1	0	1	99	1	0	24.19	25.50
38150	37952	QPSK	1	0	1	99	1	0	24.05	25.50
37850	38048	QPSK	1	49	50	0	1	0	23.11	24.50
37901	38099	QPSK	50	0	1	49	1	0	23.25	24.50
38150	37952	QPSK	50	0	1	49	1	0	23.05	24.50

Ant 5 Default Power			CA_38C							
Combination 20MHz+20MHz (1RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		total RB Size	MPR Level	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
37850	38048	QPSK	1	99	1	0	1	0	23.89	25.50
37901	38099	QPSK	1	0	1	99	1	0	23.96	25.50
38150	37952	QPSK	1	0	1	99	1	0	24.01	25.50
37850	38048	QPSK	1	49	50	0	1	0	23.10	24.50
37901	38099	QPSK	50	0	1	49	1	0	23.16	24.50
38150	37952	QPSK	50	0	1	49	1	0	23.03	24.50

Ant 3 Down power		DS1345		CA_38C							
Combination 20MHz*20MHz (1RB*100RB)										Measured Power (dbm)	Tune up Power (dbm)
PCC Channel	SCC Channel	Modulation	PCC		SCC		total RB Size	MPR Level	RB Size		
			RB Size	RB offset	RB Size	RB offset					
37850	38048	QPSK	1	99	1	0	1	0	22.69	24.50	
37901	38099	QPSK	1	0	1	99	1	0	22.74	24.50	
38150	37952	QPSK	1	0	1	99	1	0	22.70	24.50	
38150	38048	QPSK	1	49	0	50	1	0	22.67	24.50	
37901	38099	QPSK	50	0	1	49	1	0	22.72	24.50	
38150	37952	QPSK	50	0	1	49	1	0	22.63	24.50	

Ant 4 Down power		DS1&5		CA_38C							
Combination 20MHz*20MHz (1RB+100RB)										Measured Power (dbm)	Tune up Power (dbm)
PCC Channel	SCC Channel	Modulation	PCC		SCC		total RB Size	MPR Lev			
			RB Size	RB offset	RB Size	RB offset					
37850	38048	QPSK	1	99	1	0	1	0	17.72	19.50	
37901	38099	QPSK	1	0	1	99	1	0	18.00	19.50	
37952	38150	QPSK	1	0	1	99	1	0	17.74	19.50	
38150	38048	QPSK	1	49	50	0	1	0	17.73	19.50	
37901	38099	QPSK	50	0	1	49	1	0	17.95	19.50	
38150	37952	QPSK	50	0	1	49	1	0	17.92	19.50	

Ant 4 Down power		DS13		CA_38C							
Combination 20MHz+20MHz (1RB+100RB)										Measured Power (dbm)	Tune Power (dbm)
PCC Channel	SCC Channel	Modulation	PCC		SCC		total RB Size	MPR Level	MPR Level		
			RB Size	RB offset	RB Size	RB offset					
37850	38048	QPSK	1	99	1	0	1	0	20.69	22.50	
37901	38099	QPSK	1	0	1	99	1	0	20.74	22.50	
38150	37952	QPSK	1	0	1	99	1	0	20.70	22.50	
37850	38048	QPSK	1	49	50	0	1	0	20.67	22.50	
37901	38099	QPSK	50	0	1	49	1	0	20.72	22.50	
38150	37952	QPSK	50	0	1	49	1	0	20.63	22.50	

Ant. 5 Down power		DS11		CA_38C							
Combination 20MHz+20MHz (1RB+100RB)										Measured Power (dbm)	Tune Power (dbm)
PCC Channel	SCC Channel	Modulation	PCC		SCC		total RB	Sized	MPR Lev		
			RB Size	RB offset	RB Size	RB offset					
37850	38048	QPSK	1	99	1	0	1	0	22.13	23.50	
37901	38099	QPSK	1	0	1	99	1	0	22.21	23.50	
38150	37952	QPSK	1	0	1	99	1	0	22.05	23.50	
37850	38048	QPSK	1	49	50	0	1	0	21.96	23.50	
37901	38099	QPSK	50	0	1	49	1	0	21.88	23.50	
38150	37952	QPSK	50	0	1	49	1	0	21.90	23.50	

Ant 5 Down power		DS14		CA_38C							
Combination 20MHz+20MHz (1RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		total RB Size	MPR Level	Measured Power (dBm)	Tune Power (dBm)	
			RB Size	RB offset	RB Size	RB offset					
37850	38048	QPSK	1	99	1	0	1	0	22.73	24.50	
37901	38099	QPSK	1	0	1	99	1	0	22.80	24.50	
38150	37952	QPSK	1	0	1	99	1	0	22.63	24.50	
37850	38048	QPSK	1	49	50	0	0	0	21.70	23.50	
37901	38099	QPSK	50	0	1	49	1	0	21.78	23.50	
38150	37952	QPSK	50	0	1	49	1	0	21.64	23.50	

Ant 5 Down power		DS15		CA 38C									
Combination 20MHz+20MHz (1RB+100RB)													
PCC Channel	SCC Channel	Modulation	PCC		SCC		total RB Size	MPR Leve	Measured Power (dBm)	Tune up Power (dBm)			
			RB Size	RB offset	RB Size	RB offset							
37850	38048	QPSK	1	99	1	0	1	0	21.74	23.50			
37901	38099	QPSK	1	0	1	99	1	0	22.18	23.50			
38150	37952	QPSK	1	0	1	99	1	0	21.93	23.50			
37850	38048	QPSK	1	49	50	0	1	0	21.88	23.50			
37901	38099	QPSK	50	0	1	99	1	0	22.12	23.50			
38150	37952	QPSK	50	0	1	49	1	0	21.62	23.50			

Ant 10 Default Power			DS13&4									
CA_42C												
Combination 20MHz+20MHz (1RB+100RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		tal RB Size	Si	MPR Lev	Measure d Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset						
42190	42388	QPSK	1	99	1	0	1	0	24.02	25.70		
42590	42788	QPSK	1	0	1	99	1	0	24.07	25.70		
42990	42792	QPSK	1	0	1	99	1	0	24.03	25.70		
42190	42388	QPSK	1	49	50	0	1	0	23.26	24.70		
42590	42788	QPSK	50	0	1	49	1	0	23.27	24.70		
42990	42792	QPSK	50	0	1	49	1	0	23.09	24.70		

Ant 11 Default Power			DS11&4&5									
CA_42C												
Combination 20MHz+20MHz (1RB+100RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		tal RB Size	MPR Lev	Measure d Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset						
42190	42388	QPSK	1	99	1	0	1	0	20.56	22.50		
42590	42788	QPSK	1	0	1	99	1	0	20.76	22.50		
42990	42792	QPSK	1	0	1	99	1	0	20.56	22.50		
42190	42388	QPSK	1	49	50	0	1	0	20.12	21.50		
42590	42788	QPSK	50	0	1	49	1	0	20.26	21.50		
42990	42792	QPSK	50	0	1	49	1	0	20.25	21.50		

Ant 12 Default Power			DS11&4&5									
CA_42C												
Combination 20MHz+20MHz (1RB+100RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		tal RB Size	MPR Lev	Measure d Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset						
42190	42388	QPSK	1	99	1	0	1	0	20.13	22.00		
42590	42788	QPSK	1	0	1	99	1	0	20.3	22.00		
42990	42792	QPSK	1	0	1	99	1	0	20.03	22.00		
42190	42388	QPSK	1	49	50	0	1	0	19.61	21.00		
42590	42788	QPSK	50	0	1	49	1	0	19.8	21.00		
42990	42792	QPSK	50	0	1	49	1	0	19.93	21.00		

Ant 13 Default Power			DS11									
CA_42C												
Combination 20MHz+20MHz (1RB+100RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		tal RB Size	MPR Lev	Measure d Power (dbm)	Tune up Power (dbm)		
			RB Size	RB offset	RB Size	RB offset						
42190	42388	QPSK	1	99	1	0	1	0	24.17	25.70		
42590	42788	QPSK	1	0	1	99	1	0	24.07	25.70		
42990	42792	QPSK	1	0	1	99	1	0	24.02	25.70		
42190	42388	QPSK	1	49	50	0	1	0	23.27	24.70		
42590	42788	QPSK	50	0	1	49	1	0	23.32	24.70		
42990	42792	QPSK	50	0	1	49	1	0	23.18	24.70		

Ant 10 Down power			DS11&5									
CA_42C												
Combination 20MHz+20MHz (1RB+100RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	MPR Lev	Measure d Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset						
42190	42388	QPSK	1	99	1	0	1	0	19.96	21.70		
42590	42788	QPSK	1	0	1	99	1	0	20.13	21.70		
42990	42792	QPSK	1	0	1	99	1	0	19.88	21.70		
42190	42388	QPSK	1	49	50	0	1	0	19.67	21.70		
42590	42788	QPSK	50	0	1	49	1	0	19.84	21.70		
42990	42792	QPSK	50	0	1	49	1	0	19.79	21.70		

Ant 13 Down power			DS14&5									
CA_42C												
Combination 20MHz+20MHz (1RB+100RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	MPR Lev	Measure d Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset						
42190	42388	QPSK	1	99	1	0	1	0	19.16	20.70		
42590	42788	QPSK	1	0	1	99	1	0	19.25	20.70		
42990	42792	QPSK	1	0	1	99	1	0	19.16	20.70		
42190	42388	QPSK	1	49	50	0	1	0	19.16	20.70		
42590	42788	QPSK	50	0	1	49	1	0	19.22	20.70		
42990	42792	QPSK	50	0	1	49	1	0	19.14	20.70		

DL CA

2CA DL

CA List	PCC							SCC				Power		
	LTE		BW	UL	UL		UL#	UL	LTE	BW	DL	DL	With CA	Without CA
	Band	Ant	(MHz)	Freq.	Channel	Mod.	RB	RB	Band	(MHz)	Freq.	Channel	Tx. Power	Tx. Power
				(MHz)				Offset			(MHz)		(dBm)	(dBm)
CA_2C	Band 2	Ant3	20M	1880	18900	QPSK	1	0	Band 2	20M	1979.8	1098	24.25	24.28
	Band 2	Ant4	20M	1880	18900	QPSK	1	0	Band 2	20M	1979.8	1098	23.86	24.03
CA_2A_5A	Band 2	Ant3	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	24.12	24.28
	Band 2	Ant4	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	23.96	24.03
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0	Band 2	20M	1960	900	24.04	24.24
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0	Band 2	20M	1960	900	24.26	24.31
CA_2A_66A	Band 2	Ant3	20M	1880	18900	QPSK	1	0	Band 66	20M	2145	66786	24.24	24.28
	Band 2	Ant4	20M	1880	18900	QPSK	1	0	Band 66	20M	2145	66786	24	24.03
	Band 66	Ant4	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	24.17	24.2
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	22.95	23.07
CA_7A_42A	Band 7	Ant3	20M	2535	21100	QPSK	1	0	Band 42	20M	3500	42590	24.3	24.35
	Band 7	Ant5	20M	2535	21100	QPSK	1	0	Band 42	20M	3500	42590	24.36	24.38
	Band 7	Ant4	20M	2535	21100	QPSK	1	0	Band 42	20M	3500	42590	24.62	24.77
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	Band 42	20M	3500	42590	23.13	23.21
	Band 42	Ant10	20M	3500	42590	QPSK	1	0	Band 7	20M	2655	3100	24.84	24.84
	Band 42	Ant11	20M	3500	42590	QPSK	1	0	Band 7	20M	2655	3100	21.98	21.18
	Band 42	Ant12	20M	3500	42590	QPSK	1	0	Band 7	20M	2655	3100	20.28	20.35
	Band 42	Ant13	20M	3500	42590	QPSK	1	0	Band 7	20M	2655	3100	21.77	24.85
CA_38C	Band 38	Ant3	20M	2595	38000	QPSK	1	0	Band 38	20M	2614.8	38198	24.27	24.32
	Band 38	Ant5	20M	2595	38000	QPSK	1	0	Band 38	20M	2614.8	38198	24.99	24.37
	Band 38	Ant4	20M	2595	38000	QPSK	1	0	Band 38	20M	2614.8	38198	24.8	24.81
	Band 38	Ant0	20M	2595	38000	QPSK	1	0	Band 38	20M	2614.8	38198	22.85	22.94
CA_41C	Band 41	Ant3	20M	2593	40620	QPSK	1	0	Band 41	20M	2612.8	40818	24.24	24.37
	Band 41	Ant5	20M	2593	40620	QPSK	1	0	Band 41	20M	2612.8	40818	24.3	24.38
	Band 41	Ant4	20M	2593	40620	QPSK	1	0	Band 41	20M	2612.8	40818	24.82	24.84
	Band 41	Ant0	20M	2593	40620	QPSK	1	0	Band 41	20M	2612.8	40818	22.94	22.95
CA_5A_41A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0	Band 41	20M	2593	40620	24.2	24.24
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0	Band 41	20M	2593	40620	24.26	24.31
	Band 41	Ant3	20M	2593	40620	QPSK	1	0	Band 5	10M	881.5	2525	24.27	24.37
	Band 41	Ant5	20M	2593	40620	QPSK	1	0	Band 5	10M	881.5	2525	24.28	24.38
	Band 41	Ant4	20M	2593	40620	QPSK	1	0	Band 5	10M	881.5	2525	24.71	24.84
CA_4A_48A	Band 4	Ant0	20M	2593	40620	QPSK	1	0	Band 5	10M	881.5	2525	22.91	22.95
	Band 4	Ant3	20M	1732.5	20175	QPSK	1	0	Band 48	20M	3641	56150	24.36	24.47
	Band 4	Ant5	20M	1732.5	20175	QPSK	1	0	Band 48	20M	3641	56150	22.94	23.01
	Band 4	Ant4	20M	1732.5	20175	QPSK	1	0	Band 48	20M	3641	56150	24	24.11
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	Band 48	20M	3641	56150	23	23.04
	Band 48	Ant10	20M	3641	56150	QPSK	1	0	Band 4	20M	2132.5	2175	22.33	22.42
	Band 48	Ant11	20M	3641	56150	QPSK	1	0	Band 4	20M	2132.5	2175	18.61	18.75
	Band 48	Ant12	20M	3641	56150	QPSK	1	0	Band 4	20M	2132.5	2175	17.67	17.79
CA_5A_48A	Band 48	Ant13	20M	3641	56150	QPSK	1	0	Band 4	20M	2132.5	2175	22.34	22.42
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0	Band 48	20M	3641	56150	24.2	24.24
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0	Band 48	20M	3641	56150	24.18	24.31
	Band 48	Ant10	20M	3641	56150	QPSK	1	0	Band 5	10M	881.5	2525	22.32	22.42
	Band 48	Ant11	20M	3641	56150	QPSK	1	0	Band 5	10M	881.5	2525	18.67	18.75
	Band 48	Ant12	20M	3641	56150	QPSK	1	0	Band 5	10M	881.5	2525	17.76	17.79
CA_12A_48A	Band 48	Ant13	20M	3641	56150	QPSK	1	0	Band 5	10M	881.5	2525	22.35	22.42
	Band 12	Ant0	10M	707.5	23095	QPSK	1	0	Band 48	20M	3641	56150	24.49	24.54
	Band 12	Ant1	10M	707.5	23095	QPSK	1	0	Band 48	20M	3641	56150	24.31	24.46
	Band 48	Ant10	20M	3641	56150	QPSK	1	0	Band 12	10M	737.5	5095	22.34	22.42
	Band 48	Ant11	20M	3641	56150	QPSK	1	0	Band 12	10M	737.5	5095	18.69	18.75
	Band 48	Ant12	20M	3641	56150	QPSK	1	0	Band 12	10M	737.5	5095	17.69	17.79
	Band 48	Ant13	20M	3641	56150	QPSK	1	0	Band 12	10M	737.5	5095	22.32	22.42
	Band 41	Ant3	20M	2593	40620	QPSK	1	0	Band 48	20M	3641	56150	24.22	24.37
CA_41A_48A	Band 41	Ant5	20M	2593	40620	QPSK	1	0	Band 48	20M	3641	56150	24.24	24.38
	Band 41	Ant4	20M	2593	40620	QPSK	1	0	Band 48	20M	3641	56150	24.69	24.84
	Band 41	Ant0	20M	2593	40620	QPSK	1	0	Band 48	20M	3641	56150	22.85	22.95
	Band 48	Ant10	20M	3641	56150	QPSK	1	0	Band 41	20M	2593	40620	22.36	22.42
	Band 48	Ant11	20M	3641	56150	QPSK	1	0	Band 41	20M	2593	40620	18.68	18.75
	Band 48	Ant12	20M	3641	56150	QPSK	1	0	Band 41	20M	2593	40620	17.72	17.79
CA_48A_48A	Band 48	Ant13	20M	3641	56150	QPSK	1	0	Band 41	20M	2593	40620	22.35	22.42
	Band 48	Ant10	20M	3641	56150	QPSK	1	0	Band 48	5M	3697.5	56715	22.35	22.42
	Band 48	Ant11	20M	3641	56150	QPSK	1	0	Band 48	5M	3697.5	56715	18.69	18.75
	Band 48	Ant12	20M	3641	56150	QPSK	1	0	Band 48	5M	3697.5	56715	17.76	17.79
CA_48A_66A	Band 48	Ant13	20M	3641	56150	QPSK	1	0	Band 48	5M	3697.5	56715	22.29	22.42
	Band 48	Ant10	20M	3641	56150	QPSK	1	0	Band 66	20M	2145	66786	22.3	22.42
	Band 48	Ant11	20M	3641	56150	QPSK	1	0	Band 66	20M	2145	66786	18.7	18.75
	Band 48	Ant12	20M	3641	56150	QPSK	1	0	Band 66	20M	2145	66786	17.75	17.79
	Band 48	Ant13	20M	3641	56150	QPSK	1	0	Band 66	20M	2145	66786	22.36	22.42
	Band 66	Ant3	20M	1745	132322	QPSK	1	0	Band 48	20M	3641	56150	24.45	24.48
CA_42C	Band 66	Ant5	20M	1745	132322	QPSK	1	0	Band 48	20M	3641	56150	22.9	23.03
	Band 66	Ant4	20M	1745	132322	QPSK	1	0	Band 48	20M	3641	56150	24.16	24.2
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	Band 48	20M	3641	56150	23.04	23.07
	Band 42	Ant10	20M	3575	43340	QPSK	1	0	Band 42	20M	3594.8	43538	24.86	24.84
	Band 42	Ant11	20M	3575	43340	QPSK	1	0	Band 42	20M	3594.8	43538	22.61	22.5
	Band 42	Ant12	20M	3575	43340	QPSK	1	0	Band 42	20M	3594.8	43538	20.24	20.35
CA_66B	Band 42	Ant13	20M	3575	43340	QPSK	1	0	Band 42	20M	3594.8	43538	24.82	24.85
	Band 66	Ant0	15M	1745	132322	QPSK	1	0	Band 66	5M	2164.3	66979	22.94	23.07
	Band 66	Ant3	15M	1745	132322	QPSK	1	0	Band 66	5M	2164.3	66979	24.34	24.48
	Band 66	Ant4	15M	1745	132322	QPSK	1	0	Band 66	5M	2164.3	66979	24.08	24.2
CA_66C	Band 66	Ant5	15M	1745	132322	QPSK	1	0	Band 66	5M	2164.3	66979	22.82	23.03
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	22.97	23.07
	Band 66	Ant4	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	24.42	24.48
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	24.09	24.2
	Band 66	Ant4	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	22.85	23.03

3CA DL

3CA List	PCC							SCC1				SCC2				Power	
	LTE	BW	BW	UL	UL	UL#	UL	LTE	BW	DL	DL	LTE	BW	DL	DL	With CA	Without CA
	Band	Ant	(MHz)	Freq (MHz)	Channel	RB	RB Offset	Band	(MHz)	Freq (MHz)	Channel	Band	(MHz)	Freq (MHz)	Channel	Tx Power (dBm)	Tx Power (dBm)
CA_2A_4A_5A	Band 2	Ant3	20M	1880	18900	1	0	Band 4	20M	2132.5	2175	Band 5	10M	881.5	2525	24.19	24.28
	Band 2	Ant4	20M	1880	18900	1	0	Band 4	20M	2132.5	2175	Band 5	10M	881.5	2525	23.98	24.03
	Band 4	Ant4	20M	1732.5	20175	1	0	Band 2	20M	1960	900	Band 5	10M	881.5	2525	24.03	24.11
	Band 4	Ant0	20M	1732.5	20175	1	0	Band 2	20M	1960	900	Band 5	10M	881.5	2525	22.91	23.04
	Band 5	Ant0	10M	836.5	20525	1	0	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	24.19	24.24
CA_2A_4A_7A	Band 5	Ant1	10M	836.5	20525	1	0	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	24.21	24.31
	Band 2	Ant3	20M	1880	18900	1	0	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	24.25	24.28
	Band 2	Ant4	20M	1880	18900	1	0	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	23.95	24.03
	Band 4	Ant4	20M	1732.5	20175	1	0	Band 2	20M	1960	900	Band 7	20M	2655	3100	23.98	24.11
	Band 4	Ant0	20M	1732.5	20175	1	0	Band 2	20M	1960	900	Band 7	20M	2655	3100	22.93	23.04
CA_2A_7A_7A	Band 7	Ant4	20M	2535	21100	1	0	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	24.74	24.77
	Band 7	Ant0	20M	2535	21100	1	0	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	23.12	23.21
	Band 2	Ant3	20M	1880	18900	1	0	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	24.22	24.28
	Band 2	Ant4	20M	1880	18900	1	0	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	23.97	24.03
	Band 7	Ant3	20M	2535	21100	1	0	Band 7	5M	2687.5	3425	Band 2	20M	1960	900	24.3	24.35
CA_2A_7C	Band 7	Ant5	20M	2535	21100	1	0	Band 7	5M	2687.5	3425	Band 2	20M	1960	900	24.31	24.38
	Band 7	Ant4	20M	2535	21100	1	0	Band 7	5M	2687.5	3425	Band 2	20M	1960	900	24.7	24.77
	Band 7	Ant0	20M	2535	21100	1	0	Band 7	5M	2687.5	3425	Band 2	20M	1960	900	23.12	23.21
	Band 2	Ant3	20M	1880	18900	1	0	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	24.24	24.28
	Band 2	Ant4	20M	1880	18900	1	0	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	23.97	24.03
CA_4A_7C	Band 7	Ant4	20M	2535	21100	1	0	Band 7	20M	2674.8	3298	Band 2	20M	1960	900	24.66	24.77
	Band 7	Ant0	20M	2535	21100	1	0	Band 7	20M	2674.8	3298	Band 2	20M	1960	900	23.15	23.21
	Band 4	Ant3	20M	1732.5	20175	1	0	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	24.43	24.47
	Band 4	Ant5	20M	1732.5	20175	1	0	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	22.96	23.01
	Band 4	Ant4	20M	1732.5	20175	1	0	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	24.04	24.11
CA_5A_7A_7A	Band 4	Ant0	20M	1732.5	20175	1	0	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	22.93	23.04
	Band 7	Ant3	20M	2535	21100	1	0	Band 7	20M	2674.8	3298	Band 4	20M	2132.5	2175	24.29	24.35
	Band 7	Ant5	20M	2535	21100	1	0	Band 7	20M	2674.8	3298	Band 4	20M	2132.5	2175	24.33	24.38
	Band 7	Ant4	20M	2535	21100	1	0	Band 7	20M	2674.8	3298	Band 4	20M	2132.5	2175	24.64	24.77
	Band 7	Ant0	20M	2535	21100	1	0	Band 7	20M	2674.8	3298	Band 4	20M	2132.5	2175	23.06	23.21
CA_5A_7C	Band 5	Ant0	10M	836.5	20525	1	0	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	24.16	24.24
	Band 5	Ant1	10M	836.5	20525	1	0	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	24.21	24.31
	Band 7	Ant3	20M	2535	21100	1	0	Band 7	5M	2687.5	3425	Band 5	10M	881.5	2525	24.27	24.35
	Band 7	Ant5	20M	2535	21100	1	0	Band 7	5M	2687.5	3425	Band 5	10M	881.5	2525	24.23	24.38
	Band 7	Ant4	20M	2535	21100	1	0	Band 7	5M	2687.5	3425	Band 5	10M	881.5	2525	23.15	23.21
CA_5A_7A_66A	Band 5	Ant0	10M	836.5	20525	1	0	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	24.17	24.24
	Band 5	Ant1	10M	836.5	20525	1	0	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	24.21	24.31
	Band 7	Ant3	20M	2535	21100	1	0	Band 7	20M	2674.8	3298	Band 5	10M	881.5	2525	24.2	24.35
	Band 7	Ant5	20M	2535	21100	1	0	Band 7	20M	2674.8	3298	Band 5	10M	881.5	2525	24.3	24.38
	Band 7	Ant4	20M	2535	21100	1	0	Band 7	20M	2674.8	3298	Band 5	10M	881.5	2525	23.11	23.21
CA_5A_66A_66A	Band 5	Ant0	10M	836.5	20525	1	0	Band 7	20M	2655	3100	Band 66	20M	2145	66786	24.11	24.24
	Band 5	Ant1	10M	836.5	20525	1	0	Band 7	20M	2655	3100	Band 66	20M	2145	66786	24.2	24.31
	Band 7	Ant3	20M	2535	21100	1	0	Band 5	10M	881.5	2525	Band 66	20M	2145	66786	24.27	24.35
	Band 7	Ant5	20M	2535	21100	1	0	Band 5	10M	881.5	2525	Band 66	20M	2145	66786	24.24	24.38
	Band 7	Ant4	20M	2535	21100	1	0	Band 5	10M	881.5	2525	Band 66	20M	2145	66786	24.63	24.77
CA_7A_66A_66A	Band 7	Ant0	20M	2535	21100	1	0	Band 5	10M	881.5	2525	Band 66	20M	2145	66786	23.08	23.21
	Band 66	Ant3	20M	1745	132322	1	0	Band 5	10M	881.5	2525	Band 7	20M	2655	3100	24.42	24.48
	Band 66	Ant5	20M	1745	132322	1	0	Band 5	10M	881.5	2525	Band 7	20M	2655	3100	22.98	23.03
	Band 66	Ant4	20M	1745	132322	1	0	Band 5	10M	881.5	2525	Band 7	20M	2655	3100	24.13	24.2
	Band 66	Ant0	20M	1745	132322	1	0	Band 5	10M	881.5	2525	Band 7	20M	2655	3100	23.02	23.07
CA_12A_66A_66A	Band 5	Ant0	10M	836.5	20525	1	0	Band 66	20M	2145	66786	Band 66	5M	2197.5	67311	24.14	24.24
	Band 5	Ant1	10M	836.5	20525	1	0	Band 66	20M	2145	66786	Band 66	5M	2197.5	67311	24.24	24.31
	Band 66	Ant3	20M	1745	132322	1	0	Band 66	5M	2197.5	67311	Band 5	10M	881.5	2525	24.34	24.48
	Band 66	Ant5	20M	1745	132322	1	0	Band 66	5M	2197.5	67311	Band 5	10M	881.5	2525	22.89	23.03
	Band 66	Ant4	20M	1745	132322	1	0	Band 66	5M	2197.5	67311	Band 5	10M	881.5	2525	24.07	24.2
CA_12A_66A_66A	Band 66	Ant0	20M	1745	132322	1	0	Band 66	5M	2197.5	67311	Band 5	10M	881.5	2525	23.02	23.07
	Band 7	Ant3	20M	2535	21100	1	0	Band 66	20M	2145	66786	Band 66	5M	2197.5	67311	24.2	24.35
	Band 7	Ant5	20M	2535	21100	1	0	Band 66	20M	2145	66786	Band 66	5M	2197.5	67311	24.32	24.38
	Band 7	Ant4	20M	2535	21100	1	0	Band 66	20M	2145	66786	Band 66	5M	2197.5	67311	24.71	24.77
	Band 7	Ant0	20M	2535	21100	1	0	Band 66	20M	2145	66786	Band 66	5M	2197.5	67311	23.12	23.21
CA_12A_66A_66A	Band 66	Ant3	20M	1745	132322	1	0	Band 66	5M	2197.5	67311	Band 7	20M	2655	3100	24.41	24.48
	Band 66	Ant5	20M	1745	132322	1	0	Band 66	5M	2197.5	67311	Band 7	20M	2655	3100	22.97	23.03
	Band 66	Ant4	20M	1745	132322	1	0	Band 66	5M	2197.5	67311	Band 7	20M	2655	3100	24.16	24.2
	Band 66	Ant0	20M	1745	132322	1	0	Band 66	5M	2197.5	67311	Band 7	20M	2655	3100	23	23.07
	Band 12	Ant0	10M	707.5	23095	1	0	Band 66	20M	2145	66786	Band 66	5M	2197.5	67311	24.4	24.54
CA_12A_66A_66A	Band 12	Ant1	10M	707.5	23095	1	0	Band 66	20M	2145	66786	Band 66	5M	2197.5	67311	24.41	24.46
	Band 66	Ant3	20M	1745	132322	1	0	Band 66	5M	2197.5	67311	Band 12	10M	737.5	5095	24.4	24.48
	Band 66	Ant5	20M	1745	132322	1	0	Band 66	5M	2197.5	67311	Band 12	10M	737.5	5095	22.94	23.03
	Band 66	Ant4	20M	1745	132322	1	0	Band 66	5M	2197.5	67311	Band 12	10M	737.5	5095	24.12	24.2
	Band 66	Ant0	20M	1745	132322	1	0	Band 66	5M	2197.5	67311	Band 12	10M	737.5	5095	22.95	23.07
CA_41A_41A_41A	Band 41	Ant3	20M	2593	40620	1	0	Band 41	5M	2687.5	41565	Band 41	20M	2506	39750	24.32	24.37
	Band 41	Ant5	20M	2593	40620	1	0	Band 41	5M	2687.5	41565	Band 41	20M	2506	39750	24.25	24.38
	Band 41	Ant4	20M	2593	40620	1	0	Band 41	5M	2687.5	41565	Band 41	20M	2506	39750	24.7	24.84
	Band 41	Ant0	20M	2593	40620	1	0	Band 41	5M	2687.5	41565	Band 41	20M	250			



3CA DL

3CA List	PCC					SCC1				SCC2				Power	
	LTE	BW	BW	UL	UL	LTE	BW	DL	DL	LTE	BW	DL	DL	With CA	Without CA
	Band	Ant	(MHz)	Freq	Channel	Band	(MHz)	Freq	Channel	Band	(MHz)	Freq	Channel	Tx. Power	Tx. Power
				(MHz)				(MHz)				(MHz)		(dBm)	(dBm)
CA_5A_7A_66A	Band 7	Ant7	20M	2535	21100	Band 5	10M	881.5	2525	Band 66	20M	2145	66786	23.21	23.24



4CA DL

Configure	PCG					SCC1				SCC2				SCC3				Power	
	LTE	BW	BW	UL	UL	LTE	BW	DL	DL	LTE	BW	DL	DL	LTE	BW	DL	DL	With CA	Without CA
	Band	Ant	(MHz)	Freq	Channel	Band	(MHz)	Freq	Channel	Band	(MHz)	Freq	Channel	Band	(MHz)	Freq	Channel	Tx. Power	Tx. Power
				(MHz)				(MHz)				(MHz)				(MHz)		(dBm)	(dBm)
CA_7C-66A-66A	Band 7	Ant7	20M	2535	21100	Band 7	20M	2674.8	3298	Band 66	20M	2145	66786	Band 66	5M	2177.5	67111	23.2	23.24



4CA DL

Configure	PCC								SCC1				SCC2				SCC3				Power	
	LTE		BW	UL	UL		UL#	UL	LTE	BW	DL	DL	LTE	BW	DL	DL	LTE	BW	DL	DL	With CA	Without CA
	Band	Ant	(MHz)	Freq. (MHz)	Channel	Mod.	RB	RB Offset	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Tx. Power (dBm)	Tx. Power (dBm)
CA_TC_66A_66A	Band 7	Ant3	20M	2535	21100	QPSK	1	0	Band 7	20M	2674.8	3298	Band 66	20M	2145	66786	Band 66	5M	2197.5	67311	24.25	24.35
	Band 7	Ant5	20M	2535	21100	QPSK	1	0	Band 7	20M	2674.8	3298	Band 66	20M	2145	66786	Band 66	5M	2197.5	67311	24.28	24.38
	Band 7	Ant4	20M	2535	21100	QPSK	1	0	Band 7	20M	2674.8	3298	Band 66	20M	2145	66786	Band 66	5M	2197.5	67311	24.65	24.77
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	Band 7	20M	2674.8	3298	Band 66	20M	2145	66786	Band 66	5M	2197.5	67311	23.16	23.21
	Band 66	Ant3	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	24.43	24.48
	Band 66	Ant5	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	23.04	23.03
	Band 66	Ant4	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	24.24	24.2
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	22.94	23.07



Full Power level/Default Power level for 5G NR

n5 Ant0 Default DFT-15									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	24.99	25.01	24.80	25.5	0.0	
20	PI2 BPSK	1	53	25.06	25.07	24.80			
20	PI2 BPSK	1	104	24.74	24.96	24.95			
20	PI2 BPSK	50	0	24.55	24.53	24.43	25.0	0.5	
20	PI2 BPSK	50	28	24.92	25.06	24.85	25.5	0.0	
20	PI2 BPSK	50	56	24.46	24.49	24.36	25.0	0.5	
20	PI2 BPSK	100	0	24.40	24.47	24.29			
20	QPSK	1	1	24.99	25.20	25.15			
20	QPSK	1	53	25.09	25.15	25.08	25.5	0.0	
20	QPSK	1	104	24.97	25.13	25.06			
20	QPSK	50	0	23.94	24.06	23.97	24.5	1.0	
20	QPSK	50	28	25.13	25.17	25.08	25.5	0.0	
20	QPSK	50	56	23.93	24.05	23.94	24.5	1.0	
20	QPSK	100	0	23.89	24.06	23.88			
20	16QAM	1	1	23.80	23.97	23.80	24.5	1.0	
20	64QAM	1	1	22.39	22.43	22.37	23.0	2.5	
20	256QAM	1	1	20.26	20.40	20.20	21.0	4.5	
Channel				166300	167300	168300	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5	(dB)		
16	QPSK	1	1	25.17	25.14	25.11	25.5	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844	(dBm)		
10	QPSK	1	1	25.19	25.10	25.12	25.5	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5	(dBm)		
5	QPSK	1	1	25.08	25.16	25.02	25.5	0.0	

n7 Ant0 Default DFT-15									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	PI2 BPSK	1	1	23.29	23.47	23.40	24.5	0.0	
40	PI2 BPSK	1	108	23.24	23.38	23.16			
40	PI2 BPSK	1	214	23.24	23.38	23.19			
40	PI2 BPSK	108	0	22.73	22.86	22.72	24.0	0.5	
40	PI2 BPSK	108	54	23.21	23.39	23.27	24.5	0.0	
40	PI2 BPSK	108	108	22.82	22.82	22.81	24.0	0.5	
40	PI2 BPSK	216	0	22.79	22.86	22.72			
40	QPSK	1	1	23.47	23.52	23.40			
40	QPSK	1	108	23.29	23.33	23.18	24.5	0.0	
40	QPSK	1	214	23.16	23.32	23.17			
40	QPSK	108	0	22.24	22.40	22.27	23.5	1.0	
40	QPSK	108	54	23.29	23.44	23.40	24.5	0.0	
40	QPSK	108	108	22.39	22.42	22.41	23.5	1.0	
40	QPSK	216	0	22.35	22.39	22.38			
40	16QAM	1	1	22.33	22.44	22.44	23.5	1.0	
40	64QAM	1	1	20.81	20.82	20.86	22.0	2.5	
40	256QAM	1	1	19.04	19.08	18.99	20.0	4.5	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555	(dBm)		
30	QPSK	1	1	23.16	23.32	23.30	24.5	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5	(dBm)		
25	QPSK	1	1	23.18	23.38	23.29	24.5	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2550 <td>24.5</td> <td colspan="2">0.0</td>	24.5	0.0	
20	QPSK	1	1	23.19	23.41	23.30	24.5	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	(dBm)		
15	QPSK	1	1	23.15	23.34	23.34	24.5	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	(dBm)		
10	QPSK	1	1	23.17	23.38	23.37	24.5	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	(dBm)		
5	QPSK	1	1	23.23	23.38	23.34	24.5	0.0	

n66 Ant0 Default DFT-15									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	22.70	22.75	22.77	24.5	0.0	
40	PI2 BPSK	1	108	22.90	22.93	22.89			
40	PI2 BPSK	1	214	22.81	22.81	22.83			
40	PI2 BPSK	108	0	22.34	22.28	22.24	24.0	0.5	
40	PI2 BPSK	108	54	22.84	22.87	22.83	24.5	0.0	
40	PI2 BPSK	108	108	22.46	22.40	22.40	24.0	0.5	
40	PI2 BPSK	216	0	22.43	22.41	22.48			
40	QPSK	1	1	22.91	22.95	22.85			
40	QPSK	1	108	22.84	22.92	22.93	24.5	0.0	
40	QPSK	1	214	22.89	22.80	22.86			
40	QPSK	108	0	21.90	21.85	21.87	23.5	1.0	
40	QPSK	108	54	22.86	22.91	22.90	24.5	0.0	
40	QPSK	108	108	21.92	21.92	21.97	23.5	1.0	
40	QPSK	216	0	21.91	21.99	21.93			
40	16QAM	1	1	22.08	22.08	22.03	23.5	1.0	
40	64QAM	1	1	20.56	20.55	20.52	22.0	2.5	
40	256QAM	1	1	18.17	18.10	18.07	20.0	4.5	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765	(dBm)		
30	QPSK	1	1	22.72	22.71	22.74	24.5	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770	(dBm)		
20	QPSK	1	1	22.75	22.81	22.84	24.5	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)		
15	QPSK	1	1	22.76	22.70	22.75	24.5	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	(dBm)		
10	QPSK	1	1	22.67	22.78	22.83	24.5	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)		
5	QPSK	1	1	22.76	22.75	22.86	24.5	0.0	

n38 Ant0 Default DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996	24.5	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	23.15	23.08	23.07	24.5	0.0
40	PI/2 BPSK	1	53	22.99	23.06	23.15		
40	PI/2 BPSK	1	104	23.12	23.15	23.10		
40	PI/2 BPSK	50	0	22.34	22.36	22.32	24.0	0.5
40	PI/2 BPSK	50	28	23.16	23.16	23.16	24.5	0.0
40	PI/2 BPSK	50	56	22.76	22.78	22.75	24.0	0.5
40	PI/2 BPSK	100	0	22.52	22.49	22.52		
40	QPSK	1	1	23.16	23.19	23.06	24.5	0.0
40	QPSK	1	53	23.18	23.15	23.12		
40	QPSK	1	104	23.08	23.06	23.09		
40	QPSK	50	0	21.78	21.73	21.71	23.5	1.0
40	QPSK	50	28	22.90	22.93	22.89	24.5	0.0
40	QPSK	50	56	22.27	22.27	22.25	23.5	1.0
40	QPSK	100	0	21.86	21.96	21.88		
40	16QAM	1	1	22.08	22.12	22.07	23.5	1.0
40	64QAM	1	1	20.68	20.71	20.77	22.0	2.5
40	256QAM	1	1	18.83	18.80	18.79	20.0	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	23.05	23.05	22.95	24.5	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	23.00	23.16	23.12	24.5	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	PI/2 BPSK	1	1	23.12	23.05	23.07	24.5	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	PI/2 BPSK	1	1	23.06	23.09	23.07	24.5	0.0

n41 Ant0 Default DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	24.5	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	23.06	23.08	23.10	24.5	0.0
100	PI/2 BPSK	1	137	23.11	23.09	23.16		
100	PI/2 BPSK	1	271	22.78	22.74	22.76		
100	PI/2 BPSK	135	0	22.50	22.49	22.49	24.0	0.5
100	PI/2 BPSK	135	69	23.11	23.12	23.16	24.5	0.0
100	PI/2 BPSK	135	138	22.81	22.76	22.76	24.0	0.5
100	PI/2 BPSK	270	0	22.51	22.49	22.53		
100	QPSK	1	1	23.17	23.20	23.18	24.5	0.0
100	QPSK	1	137	23.12	23.13	23.19		
100	QPSK	1	271	22.85	22.78	22.83		
100	QPSK	135	0	22.01	21.94	22.01	23.5	1.0
100	QPSK	135	69	22.95	23.01	22.96	24.5	0.0
100	QPSK	135	138	22.34	22.28	22.24	23.5	1.0
100	QPSK	270	0	21.96	21.97	21.94		
100	16QAM	1	1	21.92	21.92	21.95	23.5	1.0
100	64QAM	1	1	20.51	20.46	20.44	22.0	2.5
100	256QAM	1	1	19.02	19.03	19.03	20.0	4.5
Channel				508200	518598	528998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	23.13	23.09	23.13	24.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	23.11	23.09	23.10	24.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	23.09	23.04	23.08	24.5	0.0
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	23.12	23.05	23.07	24.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	23.02	23.13	23.15	24.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	23.05	23.09	23.07	24.5	0.0
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	23.05	23.15	23.09	24.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	23.08	23.11	23.05	24.5	0.0

n5 Ant1 Default DFT-15								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	25.01	24.94	24.97	25.7	0.0
20	PI/2 BPSK	1	53	24.91	24.96	24.94		
20	PI/2 BPSK	1	104	24.78	24.83	24.75		
20	PI/2 BPSK	50	0	24.38	24.32	24.27	25.2	0.5
20	PI/2 BPSK	50	28	24.82	24.87	24.96	25.7	0.0
20	PI/2 BPSK	50	56	24.31	24.25	24.31	25.2	0.5
20	PI/2 BPSK	100	0	24.30	24.32	24.44		
20	QPSK	1	1	24.90	25.04	24.97	25.7	0.0
20	QPSK	1	53	24.91	24.84	24.82		
20	QPSK	1	104	24.79	24.72	24.64		
20	QPSK	50	0	23.94	23.97	23.97	24.7	1.0
20	QPSK	50	28	24.87	24.95	24.83	25.7	0.0
20	QPSK	50	56	23.75	23.84	23.77	24.7	1.0
20	QPSK	100	0	23.89	23.95	23.93		
20	16QAM	1	1	24.06	24.07	23.99	24.7	1.0
20	64QAM	1	1	22.44	22.40	22.50	23.2	2.5
20	256QAM	1	1	20.24	20.24	20.15	21.2	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	24.93	24.83	24.88	25.7	0.0
Channel				165900	167300	168900	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	24.78	24.85	24.92	25.7	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	24.82	24.83	24.79	25.7	0.0

n7 Ant3 Default DFT-15								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000	24.0	0.0
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	23.07	23.18	23.19	24.0	0.0
40	PI/2 BPSK	1	108	23.05	23.15	23.13		
40	PI/2 BPSK	1	214	22.96	23.06	22.97		
40	PI/2 BPSK	108	0	22.56	22.66	22.54		
40	PI/2 BPSK	108	54	23.07	23.15	23.11	24.0	0.0
40	PI/2 BPSK	108	108	22.58	22.66	22.71	23.5	0.5
40	PI/2 BPSK	216	0	22.49	22.56	22.49		
40	QPSK	1	1	23.18	23.20	23.19	24.0	0.0
40	QPSK	1	108	23.09	23.16	23.13		
40	QPSK	1	214	23.16	23.11	23.01		
40	QPSK	108	0	22.20	22.10	22.06		
40	QPSK	108	54	23.03	23.13	23.11	24.0	0.0
40	QPSK	108	108	22.13	22.08	22.06	23.0	1.0
40	QPSK	216	0	21.99	22.09	22.05		
40	16QAM	1	1	22.34	22.42	22.34	23.0	1.0
40	64QAM	1	1	20.79	20.75	20.75	21.5	2.5
40	256QAM	1	1	18.74	18.62	18.57	19.5	4.5
Channel				503000	507000	511000	Tune-up limit	MPR
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)
30	PI/2 BPSK	1	1	22.92	23.00	23.10	24.0	0.0
Channel				502500	507000	511500	Tune-up limit	MPR
Frequency (MHz)				2512.5	2535	2557.5	(dBm)	(dB)
25	PI/2 BPSK	1	1	22.97	23.18	23.00	24.0	0.0
Channel				502000	507000	512000	Tune-up limit	MPR
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)
20	QPSK	1	1	22.94	23.00	23.01	24.0	0.0
Channel				501500	507000	512500	Tune-up limit	MPR
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
15	QPSK	1	1	22.92	23.11	23.04	24.0	0.0
Channel				501000	507000	513000	Tune-up limit	MPR
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	QPSK	1	1	22.92	23.05	23.08	24.0	0.0
Channel				500500	507000	513500	Tune-up limit	MPR
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)
5	QPSK	1	1	22.99	23.13	23.18	24.0	0.0

n66 Ant3 Default DFT-15								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000	24.0	0.0
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	22.74	22.78	22.81	24.0	0.0
40	PI/2 BPSK	1	108	22.64	22.73	22.67		
40	PI/2 BPSK	1	214	22.76	22.72	22.77		
40	PI/2 BPSK	108	0	22.06	22.18	22.19	23.5	0.5
40	PI/2 BPSK	108	54	22.81	22.69	22.70	24.0	0.0
40	PI/2 BPSK	108	108	22.13	22.17	22.25	23.5	0.5
40	PI/2 BPSK	216	0	22.28	22.28	22.40		
40	QPSK	1	1	22.80	22.82	22.73	24.0	0.0
40	QPSK	1	108	22.78	22.76	22.66		
40	QPSK	1	214	22.71	22.79	22.70		
40	QPSK	108	0	21.79	21.76	21.66	23.0	1.0
40	QPSK	108	54	22.61	22.70	22.68	24.0	0.0
40	QPSK	108	108	21.73	21.73	21.82	23.0	1.0
40	QPSK	216	0	21.75	21.80	21.72		
40	16QAM	1	1	22.05	22.01	21.96	23.0	1.0
40	64QAM	1	1	20.45	20.45	20.35	21.5	2.5
40	256QAM	1	1	18.26	18.20	18.13	19.5	4.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765	24.0	0.0
30	PI/2 BPSK	1	1	22.71	22.75	22.64	24.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770	24.0	0.0
20	QPSK	1	1	22.56	22.73	22.70	24.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5	24.0	0.0
15	QPSK	1	1	22.53	22.63	22.68	24.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775	24.0	0.0
10	QPSK	1	1	22.71	22.68	22.70	24.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	24.0	0.0
5	QPSK	1	1	22.54	22.79	22.64	24.0	0.0

n38 Ant3 Default DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996	24.0	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	22.94	22.97	22.83	24.0	0.0
40	PI/2 BPSK	1	53	22.74	22.92	22.71		
40	PI/2 BPSK	1	104	22.81	22.96	22.91		
40	PI/2 BPSK	50	0	22.35	22.42	22.34		
40	PI/2 BPSK	50	28	22.71	22.84	22.73	24.0	0.0
40	PI/2 BPSK	50	56	22.27	22.41	22.22	23.5	0.5
40	PI/2 BPSK	100	0	22.29	22.39	22.18		
40	QPSK	1	1	22.96	22.98	22.85	24.0	0.0
40	QPSK	1	53	22.81	22.96	22.76		
40	QPSK	1	104	22.86	22.97	22.97		
40	QPSK	50	0	21.82	21.91	21.91		
40	QPSK	50	28	22.81	22.87	22.82	24.0	0.0
40	QPSK	50	56	21.97	21.99	21.95	23.0	1.0
40	QPSK	100	0	21.66	21.87	21.74		
40	16QAM	1	1	21.81	21.93	21.75	23.0	1.0
40	64QAM	1	1	20.43	20.54	20.33	21.5	2.5
40	256QAM	1	1	18.30	18.51	18.36	19.5	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99	24.0	0.0
30	QPSK	1	1	22.81	22.85	22.97	24.0	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610	24.0	0.0
20	QPSK	1	1	22.87	22.88	22.79	24.0	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49	24.0	0.0
15	PI/2 BPSK	1	1	22.12	22.25	22.23	24.0	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98	24.0	0.0
10	PI/2 BPSK	1	1	22.17	22.23	22.17	24.0	0.0

n41 Ant3 Default DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	24.0	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	22.96	22.88	22.86	24.0	0.0
100	PI/2 BPSK	1	137	22.79	22.84	22.72		
100	PI/2 BPSK	1	271	22.94	22.86	22.83		
100	PI/2 BPSK	135	0	22.13	22.25	22.25		
100	PI/2 BPSK	135	69	22.86	22.84	22.90	24.0	0.0
100	PI/2 BPSK	135	138	22.63	22.71	22.73	23.5	0.5
100	PI/2 BPSK	270	0	22.31	22.38	22.29		
100	QPSK	1	1	22.88	22.99	22.94	24.0	0.0
100	QPSK	1	137	22.82	22.98	22.86		
100	QPSK	1	271	22.49	22.50	22.53		
100	QPSK	135	0	21.68	21.86	21.77		
100	QPSK	135	69	22.88	22.97	22.86	24.0	0.0
100	QPSK	135	138	21.87	21.84	21.89	23.0	1.0
100	QPSK	270	0	21.73	21.85	21.84		
100	16QAM	1	1	21.86	21.89	21.93	23.0	1.0
100	64QAM	1	1	20.09	20.13	20.11	21.5	2.5
100	256QAM	1	1	18.44	18.53	18.44	19.5	4.5
Channel				508200	518598	528998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98	24.0	0.0
90	QPSK	1	1	22.86	22.77	22.74	24.0	0.0
Channel				507204	518598	528998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99	24.0	0.0
80	QPSK	1	1	22.86	22.66	22.68	24.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655	24.0	0.0
70	QPSK	1	1	22.90	22.79	22.83	24.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98	24.0	0.0
60	QPSK	1	1	22.78	22.83	22.67	24.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99	24.0	0.0
50	QPSK	1	1	22.77	22.79	22.68	24.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670	24.0	0.0
40	QPSK	1	1	22.82	22.86	22.77	24.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98	24.0	0.0
30	QPSK	1	1	22.91	22.80	22.68	24.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99	24.0	0.0
20	QPSK	1	1	22.77	22.71	22.66	24.0	0.0

n7 Ant4 Default DFT-15									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	PI/2 BPSK	1	1	25.36	25.24	25.27	25.5	0.0	
40	PI/2 BPSK	1	108	25.23	25.24	25.22			
40	PI/2 BPSK	1	214	25.20	25.23	25.16			
40	PI/2 BPSK	108	0	24.75	24.77	24.81	25.0	0.5	
40	PI/2 BPSK	108	54	25.26	25.32	25.24	25.5	0.0	
40	PI/2 BPSK	108	108	24.75	24.79	24.72	25.0	0.5	
40	PI/2 BPSK	216	0	24.79	24.75	24.75			
40	QPSK	1	1	25.12	25.37	25.34	25.5	0.0	
40	QPSK	1	108	25.18	25.20	25.30			
40	QPSK	1	214	25.30	25.18	25.18			
40	QPSK	108	0	24.13	24.20	24.08	24.5	1.0	
40	QPSK	108	54	25.24	25.27	25.26	25.5	0.0	
40	QPSK	108	108	24.36	24.25	24.15	24.5	1.0	
40	QPSK	216	0	24.14	24.22	24.18			
40	16QAM	1	1	24.46	24.42	24.33	24.5	1.0	
40	64QAM	1	1	22.91	22.88	22.98	23.0	2.5	
40	256QAM	1	1	20.92	20.88	20.78	21.0	4.5	
Channel				503000	507000	511000	Tune-up limit	MPR	
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)	
30	PI/2 BPSK	1	1	25.18	25.06	25.09	25.5	0.0	
Channel				502500	507000	511500	Tune-up limit	MPR	
Frequency (MHz)				2512.5	2535	2557.5	(dBm)	(dB)	
25	PI/2 BPSK	1	1	25.10	25.21	25.13	25.5	0.0	
Channel				502000	507000	512000	Tune-up limit	MPR	
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)	
20	QPSK	1	1	25.25	25.00	25.16	25.5	0.0	
Channel				501500	507000	512500	Tune-up limit	MPR	
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)	
15	QPSK	1	1	25.21	25.04	25.24	25.5	0.0	
Channel				501000	507000	513000	Tune-up limit	MPR	
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)	
10	QPSK	1	1	25.32	25.22	25.11	25.5	0.0	
Channel				500500	507000	513500	Tune-up limit	MPR	
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)	
5	QPSK	1	1	25.22	25.21	25.12	25.5	0.0	

n66 Ant4 Default DFT-15									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	24.38	24.49	24.41	25.5	0.0	
40	PI/2 BPSK	1	108	24.50	24.61	24.65			
40	PI/2 BPSK	1	214	24.54	24.60	24.65			
40	PI/2 BPSK	108	0	24.06	24.09	23.97	25.0	0.5	
40	PI/2 BPSK	108	54	24.61	24.65	24.59	25.5	0.0	
40	PI/2 BPSK	108	108	24.18	24.09	24.12	25.0	0.5	
40	PI/2 BPSK	216	0	24.18	24.17	24.12			
40	QPSK	1	1	24.65	24.66	24.55	25.5	0.0	
40	QPSK	1	108	24.64	24.60	24.61			
40	QPSK	1	214	24.35	24.46	24.45			
40	QPSK	108	0	23.65	23.57	23.62	24.5	1.0	
40	QPSK	108	54	24.62	24.64	24.59	25.5	0.0	
40	QPSK	108	108	23.60	23.62	23.59	24.5	1.0	
40	QPSK	216	0	23.58	23.68	23.60			
40	16QAM	1	1	24.00	23.94	24.00	24.5	1.0	
40	64QAM	1	1	22.19	22.14	22.12	23.0	2.5	
40	256QAM	1	1	20.17	20.12	20.16	21.0	4.5	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	24.28	24.37	24.20	25.5	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	24.24	24.37	24.20	25.5	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	24.26	24.43	24.26	25.5	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	24.28	24.30	24.24	25.5	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	24.27	24.36	24.30	25.5	0.0	

n38 Ant4 Default DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996	25.5	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	24.60	24.52	24.42	25.5	0.0
40	PI/2 BPSK	1	53	24.49	24.60	24.49		
40	PI/2 BPSK	1	104	24.51	24.57	24.53		
40	PI/2 BPSK	50	0	24.18	24.16	24.25		
40	PI/2 BPSK	50	28	24.61	24.58	24.66	25.5	0.0
40	PI/2 BPSK	50	56	24.03	24.11	24.11	25.0	0.5
40	PI/2 BPSK	100	0	24.02	24.10	24.01		
40	QPSK	1	1	24.51	24.66	24.63	25.5	0.0
40	QPSK	1	53	24.61	24.58	24.65		
40	QPSK	1	104	24.56	24.63	24.53		
40	QPSK	50	0	23.76	23.67	23.64	24.5	1.0
40	QPSK	50	28	24.59	24.67	24.60	25.5	0.0
40	QPSK	50	56	23.65	23.76	23.83	24.5	1.0
40	QPSK	100	0	23.84	23.99	23.91		
40	16QAM	1	1	23.23	23.26	23.30	24.5	1.0
40	64QAM	1	1	21.89	21.92	22.01	23.0	2.5
40	256QAM	1	1	20.17	20.07	20.00	21.0	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	24.62	24.52	24.55	25.5	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	24.61	24.46	24.47	25.5	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	PI/2 BPSK	1	1	24.13	24.26	24.16	25.5	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	PI/2 BPSK	1	1	24.04	24.23	24.20	25.5	0.0

n41 Ant4 Default DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	25.5	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	24.71	24.62	24.73	25.5	0.0
100	PI/2 BPSK	1	137	24.89	24.90	24.85		
100	PI/2 BPSK	1	271	24.76	24.85	24.89		
100	PI/2 BPSK	135	0	24.11	24.12	24.00		
100	PI/2 BPSK	135	69	24.86	24.84	24.82	25.5	0.0
100	PI/2 BPSK	135	138	24.51	24.48	24.45	25.0	0.5
100	PI/2 BPSK	270	0	24.41	24.41	24.38		
100	QPSK	1	1	24.81	24.92	24.79	25.5	0.0
100	QPSK	1	137	24.76	24.75	24.66		
100	QPSK	1	271	24.81	24.80	24.78		
100	QPSK	135	0	23.91	24.01	24.11	24.5	1.0
100	QPSK	135	69	24.83	24.87	24.68	25.5	0.0
100	QPSK	135	138	24.06	24.03	23.96	24.5	1.0
100	QPSK	270	0	23.88	23.96	23.92		
100	16QAM	1	1	23.89	23.91	23.86	24.5	1.0
100	64QAM	1	1	22.59	22.53	22.47	23.0	2.5
100	256QAM	1	1	20.32	20.35	20.43	21.0	4.5
Channel				508200	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	24.78	24.51	24.83	25.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	24.67	24.72	24.74	25.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	24.72	24.65	24.71	25.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	24.59	24.50	24.65	25.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	24.80	24.60	24.61	25.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	24.82	24.68	24.61	25.5	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	24.76	24.59	24.82	25.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	24.66	24.51	24.76	25.5	0.0

n7 Ant5 Default DFT-15								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	21.64	21.65	21.58	23.0	0.0
40	PI/2 BPSK	1	108	21.56	21.60	21.63		
40	PI/2 BPSK	1	214	21.60	21.58	21.51		
40	PI/2 BPSK	108	0	21.10	21.05	21.01	22.5	0.5
40	PI/2 BPSK	108	54	21.54	21.53	21.58	23.0	0.0
40	PI/2 BPSK	108	108	21.14	21.07	21.06	22.5	0.5
40	PI/2 BPSK	216	0	20.95	21.05	21.02		
40	QPSK	1	1	21.64	21.68	21.55	23.0	0.0
40	QPSK	1	108	21.67	21.58	21.60		
40	QPSK	1	214	21.43	21.52	21.62		
40	QPSK	108	0	20.62	20.55	20.61	22.0	1.0
40	QPSK	108	54	21.48	21.49	21.40	23.0	0.0
40	QPSK	108	108	20.50	20.57	20.56	22.0	1.0
40	QPSK	216	0	20.40	20.65	20.56	22.0	1.0
40	16QAM	1	1	20.76	20.89	20.91		
40	64QAM	1	1	19.35	19.34	19.39		
40	256QAM	1	1	19.35	19.33	19.42	18.5	4.5
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555	23.0	0.0
30	QPSK	1	1	21.60	21.49	21.45	23.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5	23.0	0.0
25	QPSK	1	1	21.43	21.65	21.43	23.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560	23.0	0.0
20	QPSK	1	1	21.62	21.47	21.43	23.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	23.0	0.0
15	QPSK	1	1	21.48	21.64	21.39	23.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	23.0	0.0
10	QPSK	1	1	21.64	21.61	21.43	23.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	23.0	0.0
5	QPSK	1	1	21.44	21.63	21.55	23.0	0.0

n66 Ant5 Default DFT-15								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	21.61	21.73	21.75	23.0	0.0
40	PI/2 BPSK	1	108	21.77	21.75	21.67		
40	PI/2 BPSK	1	214	21.60	21.72	21.64		
40	PI/2 BPSK	108	0	21.32	21.25	21.33		
40	PI/2 BPSK	108	54	21.71	21.67	21.59	23.0	0.0
40	PI/2 BPSK	108	108	21.13	21.22	21.28	22.5	0.5
40	PI/2 BPSK	216	0	21.26	21.24	21.20		
40	QPSK	1	1	21.60	21.78	21.72	23.0	0.0
40	QPSK	1	108	21.73	21.74	21.66		
40	QPSK	1	214	21.71	21.76	21.75		
40	QPSK	108	0	20.86	20.77	20.66		
40	QPSK	108	54	21.57	21.68	21.59	23.0	0.0
40	QPSK	108	108	20.76	20.74	20.64	22.0	1.0
40	QPSK	216	0	20.72	20.79	20.67		
40	16QAM	1	1	20.87	20.90	20.95	22.0	1.0
40	64QAM	1	1	19.45	19.35	19.29	20.5	2.5
40	256QAM	1	1	19.34	19.39	19.40	18.5	4.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765	23.0	0.0
30	QPSK	1	1	21.54	21.55	21.71	23.0	MPR (dB)
Channel				344000	349000	354000		
Frequency (MHz)				1720	1745	1770	23.0	0.0
20	QPSK	1	1	21.57	21.62	21.66	23.0	MPR (dB)
Channel				343500	349000	354500		
Frequency (MHz)				1717.5	1745	1772.5	23.0	0.0
15	QPSK	1	1	21.56	21.61	21.66	23.0	MPR (dB)
Channel				343000	349000	355000		
Frequency (MHz)				1715	1745	1775	23.0	0.0
10	QPSK	1	1	21.46	21.60	21.76	23.0	MPR (dB)
Channel				342500	349000	355500		
Frequency (MHz)				1712.5	1745	1777.5	23.0	0.0
5	QPSK	1	1	21.59	21.71	21.76	23.0	0.0

n38 Ant5 Default DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996	25.7	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	24.59	24.57	24.63	25.7	0.0
40	PI/2 BPSK	1	53	24.55	24.53	24.46		
40	PI/2 BPSK	1	104	24.61	24.63	24.52		
40	PI/2 BPSK	50	0	23.90	24.02	23.93		
40	PI/2 BPSK	50	28	24.53	24.48	24.38	25.2	0.5
40	PI/2 BPSK	50	56	24.09	24.10	24.12		
40	PI/2 BPSK	100	0	24.10	23.98	23.90		
40	QPSK	1	1	24.57	24.65	24.61		
40	QPSK	1	53	24.50	24.56	24.48	25.7	0.0
40	QPSK	1	104	24.58	24.60	24.56		
40	QPSK	50	0	23.55	23.53	23.50		
40	QPSK	50	28	24.40	24.45	24.42		
40	QPSK	50	56	23.57	23.58	23.47	24.7	1.0
40	QPSK	100	0	23.37	23.47	23.37		
40	16QAM	1	1	23.95	23.87	23.93		
40	64QAM	1	1	22.25	22.27	22.16		
40	256QAM	1	1	19.69	20.03	19.97	21.2	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99	25.7	0.0
30	QPSK	1	1	24.42	24.43	24.43	25.7	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610	25.7	0.0
20	QPSK	1	1	24.45	24.48	24.45	25.7	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49	25.7	0.0
15	PI/2 BPSK	1	1	24.42	24.55	24.60	25.7	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98	25.7	0.0
10	PI/2 BPSK	1	1	24.45	24.44	24.50	25.7	0.0

n41 Ant5 Default DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	25.7	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	24.56	24.60	24.65	25.7	0.0
100	PI/2 BPSK	1	137	24.56	24.56	24.63		
100	PI/2 BPSK	1	271	24.51	24.61	24.52		
100	PI/2 BPSK	135	0	23.87	23.99	24.06		
100	PI/2 BPSK	135	69	24.65	24.54	24.50	25.2	0.5
100	PI/2 BPSK	135	138	24.01	24.04	24.15		
100	PI/2 BPSK	270	0	23.85	23.94	23.95		
100	QPSK	1	1	24.62	24.69	24.67		
100	QPSK	1	137	24.53	24.58	24.62	25.7	0.0
100	QPSK	1	271	24.65	24.65	24.57		
100	QPSK	135	0	23.44	23.49	23.41		
100	QPSK	135	69	24.38	24.48	24.45		
100	QPSK	135	138	23.56	23.57	23.58	24.7	1.0
100	QPSK	270	0	23.45	23.51	23.36		
100	16QAM	1	1	23.72	23.78	23.87		
100	64QAM	1	1	22.16	22.17	22.09		
100	256QAM	1	1	20.08	19.97	20.06	21.2	4.5
Channel				508200	518598	528998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98	25.7	0.0
90	QPSK	1	1	24.46	24.57	24.48	25.7	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99	25.7	0.0
80	QPSK	1	1	24.36	24.41	24.63	25.7	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655	25.7	0.0
70	QPSK	1	1	24.42	24.54	24.44	25.7	0.0
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98	25.7	0.0
60	QPSK	1	1	24.45	24.52	24.51	25.7	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99	25.7	0.0
50	QPSK	1	1	24.42	24.55	24.64	25.7	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670	25.7	0.0
40	QPSK	1	1	24.48	24.49	24.56	25.7	0.0
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98	25.7	0.0
30	QPSK	1	1	24.45	24.44	24.50	25.7	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99	25.7	0.0
20	QPSK	1	1	24.42	24.40	24.64	25.7	0.0

Par270 n77 Ant10 Default DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	24.81	24.93	24.85	25.7	0.0	
100	PI2 BPSK	1	137	24.92	24.98	24.87			
100	PI2 BPSK	1	271	24.86	24.89	24.91	25.2	0.5	
100	PI2 BPSK	135	0	24.24	24.35	24.31			
100	PI2 BPSK	135	69	24.93	24.90	24.86	25.7	0.0	
100	PI2 BPSK	135	138	24.27	24.28	24.36			
100	PI2 BPSK	270	0	24.25	24.35	24.30	25.2	0.5	
100	QPSK	1	1	24.84	25.02	24.92			
100	QPSK	1	137	24.81	24.87	24.76	25.7	0.0	
100	QPSK	1	271	24.72	24.72	24.67			
100	QPSK	135	0	23.70	23.77	23.84	24.7	1.0	
100	QPSK	135	69	24.78	24.80	24.73			
100	QPSK	135	138	23.86	23.73	23.65	24.7	1.0	
100	QPSK	270	0	23.77	23.87	23.80			
100	16QAM	1	1	23.90	23.91	23.86	24.7	1.0	
100	64QAM	1	1	22.12	22.99	22.18		23.2	
100	256QAM	1	1	20.20	20.21	20.13	21.2	4.5	
Channel				648688	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	24.68	24.94	24.82	25.7	0.0	
Channel				643334	650000	652003	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	24.66	24.90	24.65	25.7	0.0	
Channel				648000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725	3840	3945			
70	QPSK	1	1	24.74	24.72	24.80	25.7	0.0	
Channel				648688	650000	653334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	24.79	24.89	24.75	25.7	0.0	
Channel				643334	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	24.64	24.85	24.76	25.7	0.0	
Channel				648000	650000	654000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	24.68	24.80	24.53	25.7	0.0	
Channel				647688	650000	654334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	24.74	24.73	24.79	25.7	0.0	
Channel				643334	650000	655003	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	24.68	24.81	24.81	25.7	0.0	
Channel				647168	650000	654834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	24.43	24.53	24.43	25.7	0.0	
Channel				647000	650000	655000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	24.53	24.33	24.42	25.7	0.0	

Par27Q n77 Ant10 Default DFT-30									
BW [MHz]	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	PI2 BPSK	1	1		24.75		25.7	0.0	
100	PI2 BPSK	1	137		25.05				
100	PI2 BPSK	1	271		24.92		25.2	0.0	
100	PI2 BPSK	135	0		24.43				
100	PI2 BPSK	135	69		25.00		25.7	0.5	
100	PI2 BPSK	135	138		24.32				
100	PI2 BPSK	270	0		24.37		25.7	0.0	
100	QPSK	1	1		25.13				
100	QPSK	1	137		24.78		25.7	0.0	
100	QPSK	1	271		24.53				
100	QPSK	135	0		23.82		24.7	0.0	
100	QPSK	135	69		24.77				
100	QPSK	135	138		23.91		25.7	1.0	
100	QPSK	270	0		23.85				
100	16QAM	1	1		23.71		24.7	1.0	
100	64QAM	1	1		22.16			23.2	
100	256QAM	1	1		20.27		21.2	4.5	
Channel				633000	633334	633688	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	24.60	24.90	24.75	25.7	0.0	
Channel				632668	633334	633500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	24.51	25.07	24.69	25.7	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	24.88	25.07	24.70	25.7	0.0	
Channel				632000	633334	634688	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	24.72	24.96	24.83	25.7	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	24.67	24.99	24.86	25.7	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3533.01			
40	QPSK	1	1	24.57	24.97	24.73	25.7	0.0	
Channel				631000	633334	635688	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	24.77	24.81	24.79	25.7	0.0	
Channel				630668	633334	635900	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	24.74	24.70	24.76	25.7	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	24.42	24.37	24.24	25.7	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	24.44	24.45	24.33	25.7	0.0	

Par27Q n78 Ant10 Default PC3 DFT-30										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				650000	650000	650000				
Frequency (MHz)				3750	3750	3750				
100	PI2 BPSK	1	1		25.11		25.7	0.0		
100	PI2 BPSK	1	137		25.13					
100	PI2 BPSK	1	271		25.08		25.2	0.5		
100	PI2 BPSK	135	0		25.23					
100	PI2 BPSK	135	69		25.26		25.7	0.0		
100	PI2 BPSK	135	138		25.11					
100	PI2 BPSK	270	0		25.01		25.2	0.5		
100	QPSK	1	1		25.33					
100	QPSK	1	137		25.30		25.7	0.0		
100	QPSK	1	271		25.08					
100	QPSK	135	0		25.03		24.7	1.0		
100	QPSK	135	69		25.07					
100	QPSK	135	138		25.09		24.7	1.0		
100	QPSK	270	0		25.13					
100	16QAM	1	1		24.38		24.7	1.0		
100	64QAM	1	1		24.38					
100	256QAM	1	1		20.78		21.2	4.5		
Channel				649688	650000	650334				
Frequency (MHz)				3745.02	3750	3755.01	Tune-up limit (dB)	MPR (dB)		
90	QPSK	1	1		25.14	25.20	24.90			
Channel				649334	650000	650666				
Frequency (MHz)				3740.01	3750	3760.02	Tune-up limit (dB)	MPR (dB)		
80	QPSK	1	1		25.27	25.03	25.14	25.7	0.0	
Channel				649000	650000	651000				
Frequency (MHz)				3735	3750	3765	Tune-up limit (dB)	MPR (dB)		
75	QPSK	1	1		25.14	25.02	25.03	25.7	0.0	
Channel				648668	650000	651334				
Frequency (MHz)				3730.02	3750	3770.01	Tune-up limit (dB)	MPR (dB)		
60	QPSK	1	1		25.10	25.02	24.97	25.7	0.0	
Channel				648334	650000	651668				
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit (dB)	MPR (dB)		
50	QPSK	1	1		25.28	25.12	26.00	25.7	0.0	
Channel				648000	650000	652000				
Frequency (MHz)				3720	3750	3780	Tune-up limit (dB)	MPR (dB)		
40	QPSK	1	1		25.17	25.07	24.89	25.7	0.0	
Channel				647688	650000	652334				
Frequency (MHz)				3715.00	3750	3785.01	Tune-up limit (dB)	MPR (dB)		
30	QPSK	1	1		25.20	25.31	25.14	25.7	0.0	
Channel				647334	650000	652686				
Frequency (MHz)				3710.01	3750	3790.02	Tune-up limit (dB)	MPR (dB)		
20	QPSK	1	1		25.12	25.34	25.04	25.7	0.0	
Channel				647168	650000	652834				
Frequency (MHz)				3707.52	3750	3792.51	Tune-up limit (dB)	MPR (dB)		
15	QPSK	1	1		24.27	24.31	24.39	25.7	0.0	
Channel				647000	650000	653000				
Frequency (MHz)				3705	3750	3795	Tune-up limit (dB)	MPR (dB)		
10	QPSK	1	1		24.22	24.29	24.35	25.7	0.0	



Part27Q n78 Ant10 Default PC3 DFT-30							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel				633334	633334		
Frequency (MHz)				3500.01			
100	PI2 BPSK	1	1	24.74			
100	PI2 BPSK	1	137	24.75		25.7	0.0
100	PI2 BPSK	1	271	24.97			
100	PI2 BPSK	135	0	24.76		25.2	0.5
100	PI2 BPSK	135	69	24.97		25.7	0.0
100	PI2 BPSK	135	138	24.79			
100	PI2 BPSK	270	0	24.77		25.2	0.5
100	QPSK	1	1	25.08			
100	QPSK	1	137	25.01		25.7	0.0
100	QPSK	1	271	24.77			
100	QPSK	135	0	24.58		24.7	1.0
100	QPSK	135	69	24.76		25.7	0.0
100	QPSK	135	138	24.71		24.7	1.0
100	QPSK	270	0	24.91			
100	16QAM	1	1	24.01		24.7	1.0
100	16QAM	1	1	22.44		23.2	2.5
100	256QAM	1	1	20.44		21.2	4.5
Channel				633000	633334	633668	
Frequency (MHz)				3465	3500.01	3505.02	
90	QPSK	1	1	24.60	24.73	24.73	
Channel				3350.02	633334	634000	
Frequency (MHz)				3490.02	3500.01	3510	
80	QPSK	1	1	24.84	24.81	24.54	
Channel				632334	633334	634334	
Frequency (MHz)				3468.01	3500.01	3515.01	
70	QPSK	1	1	24.70	24.81	24.74	
Channel				632000	633334	634668	
Frequency (MHz)				3460	3500.01	3520.02	
60	QPSK	1	1	24.76	24.62	24.69	
Channel				631000	633334	635000	
Frequency (MHz)				3475.02	3500.01	3525	
50	QPSK	1	1	24.77	24.65	24.53	
Channel				631334	633334	635334	
Frequency (MHz)				3470.01	3500.01	3520.01	
40	QPSK	1	1	24.82	24.69	24.72	
Channel				631000	633334	635668	
Frequency (MHz)				3465	3500.01	3535.02	
30	QPSK	1	1	24.71	24.68	24.62	
Channel				630000	633334	636000	
Frequency (MHz)				3460.02	3500.01	3540	
20	QPSK	1	1	24.73	24.53	24.66	
Channel				630500	633334	636168	
Frequency (MHz)				3457.5	3500.01	3542.52	
15	QPSK	1	1	24.97	25.19	25.07	
Channel				630334	633334	636334	
Frequency (MHz)				3455.01	3500.01	3545.01	
10	QPSK	1	1	25.12	25.30	25.20	

Part27Q n78 Ant10 Default PC2 DFT-30							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel					650000		
Frequency (MHz)					3750		
100	PI2 BPSK	1	1		26.29		
100	PI2 BPSK	1	137		26.22		
100	PI2 BPSK	1	271		26.07		27.0
100	PI2 BPSK	135	0		26.20		26.5
100	PI2 BPSK	135	69		26.29		27.0
100	PI2 BPSK	135	138		26.31		
100	PI2 BPSK	270	0		26.09		26.5
100	QPSK	1	1		26.34		
100	QPSK	1	137		26.23		27.0
100	QPSK	1	271		26.31		
100	QPSK	135	0		26.20		26.0
100	QPSK	135	69		26.22		27.0
100	QPSK	135	138		26.10		26.0
100	QPSK	270	0		26.10		
100	16QAM	1	1		25.27		26.0
100	16QAM	1	1		23.83		24.5
100	256QAM	1	1		21.88		22.5
Channel				649668	650000	650334	
Frequency (MHz)				3745.02	3750	3755.01	
90	QPSK	1	1	26.18	26.32	25.93	
Channel				649334	650000	650550	
Frequency (MHz)				3740.01	3750	3760.02	
80	QPSK	1	1	26.11	26.25	25.98	
Channel				649000	650000	651000	
Frequency (MHz)				3735	3750	3765	
70	QPSK	1	1	26.21	26.25	26.11	
Channel				648668	650000	651334	
Frequency (MHz)				3730.02	3750	3770.01	
60	QPSK	1	1	26.16	26.16	25.93	
Channel				648334	650000	651668	
Frequency (MHz)				3725.01	3750	3775.02	
50	QPSK	1	1	26.25	26.15	26.05	
Channel				648000	650000	652000	
Frequency (MHz)				3720	3750	3760	
40	QPSK	1	1	26.27	26.13	25.91	
Channel				647668	650000	652334	
Frequency (MHz)				3715.02	3750	3765.01	
30	QPSK	1	1	26.08	26.23	26.09	
Channel				647334	650000	652668	
Frequency (MHz)				3710.01	3750	3760.02	
20	QPSK	1	1	26.07	26.16	26.09	
Channel				647000	650000	652834	
Frequency (MHz)				3707.52	3750	3762.51	
15	QPSK	1	1	25.81	25.94	26.03	
Channel				647000	650000	653000	
Frequency (MHz)				3705	3750	3795	
10	QPSK	1	1	26.03	25.93	26.01	

Part27Q n78 Ant10 Default PC2 DFT-30							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel					633334		
Frequency (MHz)				3500.01			
100	PI2 BPSK	1	1		25.91		
100	PI2 BPSK	1	137		26.00		
100	PI2 BPSK	1	271		25.91		27.0
100	PI2 BPSK	135	0		25.91		26.5
100	PI2 BPSK	135	69		25.99		27.0
100	PI2 BPSK	135	138		25.93		
100	PI2 BPSK	270	0		25.92		26.5
100	QPSK	1	1		26.14		
100	QPSK	1	137		26.11		27.0
100	QPSK	1	271		25.96		
100	QPSK	135	0		25.90		26.0
100	QPSK	135	69		25.90		27.0
100	QPSK	135	138		25.82		26.0
100	QPSK	270	0		25.88		
100	16QAM	1	1		25.07		26.0
100	16QAM	1	1		23.83		24.5
100	256QAM	1	1		21.61		22.5
Channel				633000	633334	633668	
Frequency (MHz)				3465	3500.01	3505.02	
90	QPSK	1	1	26.07	26.00	25.70	
Channel				632000	633334	634000	
Frequency (MHz)				3490.02	3500.01	3510	
80	QPSK	1	1	25.88	26.04	25.78	
Channel				632334	633334	634334	
Frequency (MHz)				3468.01	3500.01	3515.01	
70	QPSK	1	1	26.06	26.15	25.90	
Channel				632000	633334	634668	
Frequency (MHz)				3460	3500.01	3520.02	
60	QPSK	1	1	26.08	26.59	25.79	
Channel				631000	633334	635000	
Frequency (MHz)				3475.02	3500.01	3525	
50	QPSK	1	1	25.92	26.10	25.87	
Channel				631334	633334	635334	
Frequency (MHz)				3470.01	3500.01	3520.01	
40	QPSK	1	1	25.97	26.09	25.89	
Channel				631000	633334	635668	
Frequency (MHz)				3465	3500.01	3535.02	
30	QPSK	1	1	26.03	26.08	25.86	
Channel				630000	633334	636000	
Frequency (MHz)				3460.02	3500.01	3540	
20	QPSK	1	1	25.91	25.99	25.85	
Channel				630500	633334	636168	
Frequency (MHz)				3458	3500	2543	
15	QPSK	1	1	26.77	26.80	26.68	
Channel				630334	633334	636334	
Frequency (MHz)				3455	3500	3545	
10	QPSK	1	1	26.79	26.81	26.73	



Par270 n77 Ant11 Default DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	25.06	25.13	25.14			
100	PI2 BPSK	1	137	25.14	25.28	25.21		0.0	
100	PI2 BPSK	1	271	25.19	25.12	25.16			
100	PI2 BPSK	135	0	24.77	24.68	24.60	25.2	0.5	
100	PI2 BPSK	135	69	25.07	25.23	25.17	25.7	0.0	
100	PI2 BPSK	135	138	24.50	24.58	24.67		0.5	
100	PI2 BPSK	270	0	24.85	24.83	24.67			
100	QPSK	1	1	25.15	25.41	25.09			
100	QPSK	1	137	25.20	25.19	25.15	25.7	0.0	
100	QPSK	1	271	25.23	25.29	25.28			
100	QPSK	135	0	23.96	24.13	24.28	24.7	1.0	
100	QPSK	135	69	25.10	25.20	25.05	25.7	0.0	
100	QPSK	135	138	24.20	24.07	24.13	24.7	1.0	
100	QPSK	270	0	23.87	23.99	23.86			
100	16QAM	1	1	24.38	24.32	24.25	24.7	1.0	
100	64QAM	1	1	22.96	22.89	22.87	23.2	2.5	
100	256QAM	1	1	20.59	20.58	20.64	21.2	4.5	
Channel				648688	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	25.04	25.25	25.08	25.7	0.0	
Channel				674334	670000	672000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	24.87	25.09	25.11	25.7	0.0	
Channel				648000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725	3840	3945			
70	QPSK	1	1	24.98	24.96	24.98	25.7	0.0	
Channel				648688	650000	653334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	25.10	25.26	24.59	25.7	0.0	
Channel				644334	650000	656000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	25.18	25.07	25.19	25.7	0.0	
Channel				648000	650000	654000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	24.97	25.04	25.14	25.7	0.0	
Channel				647688	650000	654334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	25.12	24.92	25.04	25.7	0.0	
Channel				644334	650000	656000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	25.00	25.08	24.92	25.7	0.0	
Channel				647168	650000	654834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.50	3840	3972.51			
15	QPSK	1	1	24.43	24.53	24.43	25.7	0.0	
Channel				647000	650000	658000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	24.53	24.33	24.42	25.7	0.0	

Part27Q n77 Ant11 Default DFT-30									
BW [MHz]	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	PI2 BPSK	1	1		25.03				
100	PI2 BPSK	1	137		25.23		25.7	0.0	
100	PI2 BPSK	1	271		25.05				
100	PI2 BPSK	135	0		24.63		25.2	0.5	
100	PI2 BPSK	135	69		25.22		25.7	0.0	
100	PI2 BPSK	135	138		24.76		25.2	0.5	
100	PI2 BPSK	270	0		24.86				
100	QPSK	1	1		25.25				
100	QPSK	1	137		25.06		25.7	0.0	
100	QPSK	1	271		25.16				
100	QPSK	135	0		24.10		24.7	1.0	
100	QPSK	135	69		25.09		25.7	0.0	
100	QPSK	135	138		24.02		24.7	1.0	
100	QPSK	270	0		24.01				
100	16QAM	1	1		24.50		24.7	1.0	
100	64QAM	1	1		22.80		23.2	2.5	
100	256QAM	1	1		20.69		21.2	4.5	
Channel				633000	633334	633688	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	25.12	25.19	25.00	25.7	0.0	
Channel				632000	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	24.92	24.93	25.07	25.7	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	24.97	24.92	25.08	25.7	0.0	
Channel				632000	633334	634688	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	25.14	25.17	25.00	25.7	0.0	
Channel				631000	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	25.07	25.13	25.03	25.7	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	24.98	25.04	25.05	25.7	0.0	
Channel				631000	633334	635688	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	25.08	24.98	24.92	25.7	0.0	
Channel				632000	633334	635900	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	24.92	24.96	24.85	25.7	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	24.42	24.37	24.29	25.7	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	24.44	24.45	24.33	25.7	0.0	

Part27Q n78 Ant11 Default PC3 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		25.24				
100	PI2 BPSK	1	137		25.23		25.7		0.0
100	PI2 BPSK	1	271		25.33				
100	PI2 BPSK	135	0		25.15		25.2		0.5
100	PI2 BPSK	135	69		25.22		25.7		0.0
100	PI2 BPSK	135	138		25.14		25.2		0.5
100	PI2 BPSK	270	0		25.08				
100	QPSK	1	1		25.34				
100	QPSK	1	137		25.23		25.7		0.0
100	QPSK	1	271		25.28				
100	QPSK	135	0		24.48		24.7		1.0
100	QPSK	135	69		25.11		25.7		0.0
100	QPSK	135	138		24.67		24.7		1.0
100	QPSK	270	0		24.59				
100	16QAM	1	1		24.63		24.7		1.0
100	64QAM	1	1		23.11		23.2		2.5
100	256QAM	1	1		21.11		21.2		4.5
Channel				648688	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	25.09	25.10	25.27	25.7		0.0
Channel				648334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	25.06	25.23	25.33	25.7		0.0
Channel				648000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
75	QPSK	1	1	25.13	25.30	25.18	25.7		0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	25.00	25.12	25.33	25.7		0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	25.21	25.06	25.19	25.7		0.0
Channel				648203	650000	652203	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	25.01	25.30	25.13	25.7		0.0
Channel				647686	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.03	3750	3785.01			
30	QPSK	1	1	25.08	25.11	25.09	25.7		0.0
Channel				647834	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	25.23	25.25	25.10	25.7		0.0
Channel				647168	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	24.27	24.31	24.39	25.7		0.0
Channel				647000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	24.22	24.29	24.35	25.7		0.0

Part27Q 78 Ant11 Default PC3 DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)
Channel				633334	633334			
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1		25.07		25.7	0.0
100	PI2 BPSK	1	137		25.29			
100	PI2 BPSK	1	271		25.45			
100	PI2 BPSK	135	0		25.20	25.2	0.5	
100	PI2 BPSK	135	69		25.02	25.7	0.0	
100	PI2 BPSK	135	138		25.15		25.2	0.5
100	PI2 BPSK	270	0		25.16			
100	QPSK	1	1		25.49			
100	QPSK	1	137		25.47		25.7	0.0
100	QPSK	1	271		25.23			
100	QPSK	135	0		24.33	24.7	1.0	
100	QPSK	135	69		24.34	25.7	0.0	
100	QPSK	135	138		24.82		24.7	1.0
100	QPSK	270	0		24.69			
100	16QAM	1	1		24.71	24.7	1.0	
100	16QAM	1	1		23.03	23.2	2.5	
100	256QAM	1	1		21.14	21.2	4.5	
Channel				633000	633334	633668	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3485	3500.01	3505.02		
90	QPSK	1	1		25.14	25.13	25.31	25.7 0.0
Channel				632003	633334	634000	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1		25.01	25.29	25.29	25.7 0.0
Channel				632334	633334	634334	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3488.01	3500.01	3515.01		
70	QPSK	1	1		24.97	25.21	25.14	25.7 0.0
Channel				632000	633334	634668	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1		25.08	25.03	25.24	25.7 0.0
Channel				631668	633334	635000	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1		25.12	25.12	25.13	25.7 0.0
Channel				631334	633334	635334	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1		25.04	25.24	25.24	25.7 0.0
Channel				631000	633334	635668	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1		25.16	25.20	25.16	25.7 0.0
Channel				632003	633334	635000	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1		25.24	25.16	25.11	25.7 0.0
Channel				630500	633334	636168	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1		24.97	25.16	25.07	25.7 0.0
Channel				630334	633334	636334	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1		25.12	25.30	25.20	25.7 0.0

Part27Q n78 Ant11 Default PC2 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		26.44		27.0	0.0	
100	PI2 BPSK	1	137		26.49				
100	PI2 BPSK	1	271		26.51				
100	PI2 BPSK	135	0		26.28	26.5	0.5		
100	PI2 BPSK	135	69		26.53	25.7	0.0		
100	PI2 BPSK	135	138		26.53		26.5	0.5	
100	PI2 BPSK	270	0		26.46				
100	QPSK	1	1		26.80				
100	QPSK	1	137		26.48		27.0	0.0	
100	QPSK	1	271		26.49				
100	QPSK	135	0		25.77	26.0	1.0		
100	QPSK	135	69		26.32	27.0	0.0		
100	QPSK	135	138		25.91	26.0	1.0		
100	QPSK	270	0		25.91				
100	16QAM	1	1		26.57		26.0	1.0	
100	64QAM	1	1		24.55	24.5	2.5		
100	256QAM	1	1		22.34	22.5	4.5		
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		26.24	26.44	26.55	27.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		26.32	26.41	26.45	27.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		26.42	26.30	26.66	27.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		26.24	26.57	26.51	27.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		26.34	26.47	26.59	27.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3760			
40	QPSK	1	1		26.45	26.49	26.53	27.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3765.01			
30	QPSK	1	1		26.45	26.40	26.38	27.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3760.02			
20	QPSK	1	1		26.46	26.47	26.53	27.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3762.51			
15	QPSK	1	1		25.81	25.94	26.03	27.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3755			
10	QPSK	1	1		26.03	25.93	26.01	27.0	0.0

Part27Q 78 Ant11 Default PC2 DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (db)
Channel				633334	633334			
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1		26.45		27.0	0.0
100	PI2 BPSK	1	137		26.54			
100	PI2 BPSK	1	271		26.40			
100	PI2 BPSK	135	0		26.20	26.5	0.5	
100	PI2 BPSK	135	69		26.33	25.7	0.0	
100	PI2 BPSK	135	138		26.31		26.5	0.5
100	PI2 BPSK	270	0		26.16			
100	QPSK	1	1		26.59			
100	QPSK	1	137		26.34		27.0	0.0
100	QPSK	1	271		26.51			
100	QPSK	135	0		25.90	26.0	1.0	
100	QPSK	135	69		26.26	27.0	0.0	
100	QPSK	135	138		25.79	26.0	1.0	
100	QPSK	270	0		25.72			
100	16QAM	1	1		26.11	26.0	1.0	
100	16QAM	1	1		24.50	24.5	2.5	
100	256QAM	1	1		22.06	22.5	4.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (db)
Frequency (MHz)				3485	3500.01	3505.02		
90	QPSK	1	1		26.18	26.38	26.59	27.0 0.0
Channel				632003	633334	634000	Tune-up limit (dBm)	MPR (db)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1		26.34	26.52	26.59	27.0 0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (db)
Frequency (MHz)				3488.01	3500.01	3515.01		
70	QPSK	1	1		26.44	26.31	26.55	27.0 0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (db)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1		26.26	26.48	26.52	27.0 0.0
Channel				631009	633334	635000	Tune-up limit (dBm)	MPR (db)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1		26.29	26.43	26.56	27.0 0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (db)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1		26.53	26.48	26.48	27.0 0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (db)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1		26.41	26.36	26.49	27.0 0.0
Channel				632003	633334	635000	Tune-up limit (dBm)	MPR (db)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1		26.29	26.53	26.64	27.0 0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (db)
Frequency (MHz)				3459	3500	3543		
15	QPSK	1	1		26.15	26.48	26.44	27.0 0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (db)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	1		26.29	26.43	26.56	27.0 0.0



Par270 n70 Ant12 Default DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	P12 BPSK	1	1	24.32	24.48	24.51		25.7	0.0
100	P12 BPSK	1	137	24.41	24.36	24.35			
100	P12 BPSK	1	271	24.49	24.41	24.44			
100	P12 BPSK	135	0	23.78	23.67	23.76		25.2	0.5
100	P12 BPSK	135	69	24.20	24.22	24.18		25.7	0.0
100	P12 BPSK	135	138	23.73	23.83	23.79		25.2	0.5
100	P12 BPSK	270	0	23.83	23.74	23.86			
100	QPSK	1	1	24.31	23.58	24.35			
100	QPSK	1	137	24.44	24.44	24.48		25.7	0.0
100	QPSK	1	271	24.51	24.54	24.57			
100	QPSK	135	0	23.35	23.28	23.41		24.7	1.0
100	QPSK	135	69	24.18	23.38	24.34		25.7	0.0
100	QPSK	135	138	23.19	23.21	23.11		24.7	1.0
100	QPSK	270	0	23.23	23.35	23.16			
100	16QAM	1	1	23.19	23.22	23.04		24.7	1.0
100	64QAM	1	1	22.07	21.96	21.61		23.2	2.5
100	256QAM	1	1	19.90	19.71	19.81		21.2	4.5
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	24.26	24.37	24.33		25.7	0.0
Channel				643333	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	24.33	24.33	24.27		25.7	0.0
Channel				649000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725	3840	3945			
70	QPSK	1	1	24.49	24.43	24.30		25.7	0.0
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	24.32	24.32	24.36		25.7	0.0
Channel				643333	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	24.31	24.38	24.25		25.7	0.0
Channel				649000	650000	654000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	24.38	24.21	24.41		25.7	0.0
Channel				647668	650000	654334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	24.40	24.23	24.51		25.7	0.0
Channel				643333	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	24.42	24.32	24.29		25.7	0.0
Channel				647168	650000	654834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	24.43	24.53	24.43		25.7	0.0
Channel				647000	650000	655000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	24.53	24.33	24.42		25.7	0.0

Part270Q n77 Ant12 Default DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				630000	633334	633334			
Frequency (MHz)				3500.01					
100	P12 BPSK	1	1		24.45			25.7	0.0
100	P12 BPSK	1	137		24.20				
100	P12 BPSK	1	271		24.48				
100	P12 BPSK	135	0		23.68			25.2	0.0
100	P12 BPSK	135	69		24.16				
100	P12 BPSK	135	138		23.65				
100	P12 BPSK	270	0		23.91			25.2	0.5
100	QPSK	1	1		23.83			25.7	0.0
100	QPSK	1	137		24.50				
100	QPSK	1	271		24.53				
100	QPSK	135	0		23.20			25.7	0.0
100	QPSK	135	69		23.46				
100	QPSK	135	138		23.31				
100	QPSK	270	0		23.29			24.7	1.0
100	16QAM	1	1		23.28			24.7	1.0
100	64QAM	1	1		21.92			23.2	2.5
100	256QAM	1	1		19.85			21.2	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	24.42	24.41	24.30		25.7	0.0
Channel				632668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3510			
80	QPSK	1	1	24.40	24.28	24.44		25.7	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	24.41	24.34	24.40		25.7	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	24.40	24.32	24.43		25.7	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	24.30	24.27	24.21		25.7	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	24.43	24.23	24.49		25.7	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	24.34	24.18	24.43		25.7	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	24.28	24.33	24.20		25.7	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	24.42	24.37	24.24		25.7	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	24.44	24.45	24.33		25.7	0.0

Part270 n78 Ant12 Default PC3 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	P12 BPSK	1	1		23.05			24.0	0.0
100	P12 BPSK	1	137		22.91				
100	P12 BPSK	1	271		23.00				
100	P12 BPSK	135	0		22.53			23.5	0.5
100	P12 BPSK	135	69		22.91			24.0	0.0
100	P12 BPSK	135	138		22.56			23.5	0.5
100	P12 BPSK	270	0		22.51				
100	QPSK	1	1		23.10				
100	QPSK	1	137		22.98			24.0	0.0
100	QPSK	1	271		23.08				
100	QPSK	135	0		21.94			23.0	1.0
100	QPSK	135	69		23.05			24.0	0.0
100	QPSK	135	138		21.94			23.0	1.0
100	QPSK	270	0		22.07				
100	16QAM	1	1		22.00			23.0	1.0
100	64QAM	1	1		20.59			21.5	2.5
100	256QAM	1	1		19.51			19.5	4.5
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	23.00	23.01	22.98		24.0	0.0
Channel				643334	650000	650568	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	23.03	23.00	23.05		24.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			



Part27Q 78 Ant12 Default PC3 DFT-30									
BW [MHz]	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)				3500.01					
100	PI2 BPSK	1	1		23.27		24.0	0.0	
100	PI2 BPSK	1	137		23.01				
100	PI2 BPSK	1	271		23.14				
100	PI2 BPSK	135	0		22.70		24.0	0.0	
100	PI2 BPSK	135	69		23.08				
100	PI2 BPSK	135	138		22.73				
100	PI2 BPSK	270	0		22.61		23.5	0.5	
100	QPSK	1	1		23.25				
100	QPSK	1	137		23.15				
100	QPSK	1	271		23.26		24.0	0.0	
100	QPSK	135	0		22.04				
100	QPSK	135	69		23.16				
100	QPSK	135	138		22.09		23.0	1.0	
100	QPSK	270	0		22.25				
100	16QAM	1	1		22.19		23.0	1.0	
100	64QAM	1	1		20.80		21.5	2.5	
100	256QAM	1	1		19.62		19.5	4.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		23.23	23.19	23.13	24.0	0.0
Channel				632666	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		23.16	23.22	23.17	24.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		23.21	23.17	23.23	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		23.23	23.15	23.18	24.0	0.0
Channel				631666	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		23.19	23.20	23.14	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		23.21	23.12	23.20	24.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		23.17	23.18	23.19	24.0	0.0
Channel				630666	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		23.17	23.13	23.16	24.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1		23.21	23.17	23.23	24.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1		23.21	23.12	23.14	24.0	0.0

Part27O n78 Ant12 Default PC2 DFT-30									
BW [MHz]	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		3750			
Frequency (MHz)				3750		3750			
100	PI2 BPSK	1	1		25.18		27.0	0.0	
100	PI2 BPSK	1	137		25.01				
100	PI2 BPSK	1	271		25.13				
100	PI2 BPSK	135	0		24.60		26.5	0.5	
100	PI2 BPSK	135	69		25.03				
100	PI2 BPSK	135	138		24.64				
100	PI2 BPSK	270	0		24.65		27.0	0.0	
100	QPSK	1	1		25.23				
100	QPSK	1	137		25.08				
100	QPSK	1	271		25.15		26.0	1.0	
100	QPSK	135	0		24.03				
100	QPSK	135	69		25.10				
100	QPSK	135	138		24.07		26.0	1.0	
100	QPSK	270	0		24.18				
100	16QAM	1	1		24.10		26.0	1.0	
100	64QAM	1	1		22.73		24.5	2.5	
100	256QAM	1	1		20.60		22.5	4.5	
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		25.09	24.95	25.05	27.0	0.0
Channel				648334	650000	650556	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		25.12	25.05	24.92	27.0	0.0
Channel				648000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		24.98	24.95	24.86	27.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		24.90	25.02	25.04	27.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		25.21	24.93	25.06	27.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		25.10	24.84	24.93	27.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		25.08	25.13	24.99	27.0	0.0
Channel				648334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		24.96	24.79	25.07	27.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		25.03	25.07	25.05	27.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		25.12	25.02	25.13	27.0	0.0

Part27Q 78 Ant12 Default PC2 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633300	633334	633368			
Frequency (MHz)				3500.01	3500.01	3500.01			
100	PI2 BPSK	1	1		25.03		27.0	0.0	
100	PI2 BPSK	1	137		25.11				
100	PI2 BPSK	1	271		25.08				
100	PI2 BPSK	135	0		24.60		27.0	0.0	
100	PI2 BPSK	135	69		25.14				
100	PI2 BPSK	135	138		24.71				
100	PI2 BPSK	270	0		24.67		26.5	0.5	
100	QPSK	1	1		25.27				
100	QPSK	1	137		25.20				
100	QPSK	1	271		25.03		27.0	0.0	
100	QPSK	135	0		24.13				
100	QPSK	135	69		25.08				
100	QPSK	135	138		24.19		26.0	1.0	
100	QPSK	270	0		24.01				
100	16QAM	1	1		24.11		26.0	1.0	
100	64QAM	1	1		22.89		24.5	2.5	
100	256QAM	1	1		20.51		22.5	4.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		25.22	24.96	25.02	27.0	0.0
Channel				632666	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		25.01	25.06	24.99	27.0	0.0
Channel				632332	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
75	QPSK	1	1		25.01	24.86	24.87	27.0	0.0
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.00	3500.01	3520.02			
60	QPSK	1	1		25.03	25.07	25.05	27.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		25.16	24.80	25.00	27.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		25.08	24.97	25.02	27.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3536.02			
30	QPSK	1	1		25.12	25.02	24.89	27.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		24.94	24.93	24.92	27.0	0.0
Channel				630300	633334	636368	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3458	3500	3543			
15	QPSK	1	1		25.21	25.13	25.06	27.0	0.0
Channel				630000	633334	636668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	1		25.10	25.13	25.07	27.0	0.0



Par27O n77 Ant13 Default DFT-30

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	P12 BPSK	1	1	25.04	25.10	25.11	25.7	0.0
100	P12 BPSK	1	137	25.04	25.07	25.09		
100	P12 BPSK	1	271	24.91	24.90	24.96		
100	P12 BPSK	135	0	24.48	24.48	24.57	25.2	0.5
100	P12 BPSK	135	69	25.01	24.94	24.96	25.7	0.0
100	P12 BPSK	135	138	24.29	24.29	24.26	25.2	0.5
100	P12 BPSK	270	0	24.58	24.49	24.53		
100	QPSK	1	1	25.04	25.12	25.07		
100	QPSK	1	137	24.96	25.08	25.08	25.7	0.0
100	QPSK	1	271	24.90	24.88	24.94	24.7	1.0
100	QPSK	135	0	24.03	23.57	24.05		
100	QPSK	135	69	25.06	25.11	25.01		
100	QPSK	135	138	23.89	23.94	23.93	24.7	1.0
100	QPSK	270	0	24.01	24.04	23.96		
100	16QAM	1	1	23.88	23.92	23.91	24.7	1.0
100	64QAM	1	1	22.68	22.69	22.86	23.2	2.5
100	256QAM	1	1	20.54	20.55	20.02	21.2	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	24.85	25.06	25.05	25.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	24.96	24.96	24.86	25.7	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	24.83	24.93	24.89	25.7	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	25.04	25.10	25.02	25.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	24.84	24.97	25.11	25.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	25.02	25.10	25.04	25.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	24.98	25.08	24.94	25.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	24.92	25.03	24.92	25.7	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	24.43	24.53	24.43	25.7	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	24.53	24.43	24.42	25.7	0.0

Part27Q n77 Ant13 Default DFT-30

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	P12 BPSK	1	1		63334	3500.01	25.7	0.0
100	P12 BPSK	1	137		24.95			
100	P12 BPSK	1	271		24.92			
100	P12 BPSK	135	0		24.85		25.2	0.5
100	P12 BPSK	135	69		24.37		25.7	0.0
100	P12 BPSK	135	138		24.18		25.2	0.5
100	P12 BPSK	270	0		24.51			
100	QPSK	1	1		25.10			
100	QPSK	1	137		24.90		25.7	0.0
100	QPSK	1	271		24.76		24.7	1.0
100	QPSK	135	0		23.92			
100	QPSK	135	69		23.89			
100	QPSK	135	138		23.88		24.7	1.0
100	QPSK	270	0		23.84			
100	16QAM	1	1		23.93		24.7	1.0
100	64QAM	1	1		22.48		23.2	2.5
100	256QAM	1	1		20.48		21.2	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	123	3485	3500.01	3505.02	25.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	109	24.83	24.88	25.05	25.7	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	95	3485.01	3500.01	3510.01	25.7	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	81	24.79	25.07	24.84	25.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	67	24.72	24.87	24.94	25.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	53	24.85	24.94	25.23	25.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	39	24.98	24.96	25.00	25.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	26	24.72	24.94	25.23	25.7	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	24.42	24.47	24.24	25.7	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	24.44	24.45	24.33	25.7	0.0

Part27O n78 Ant13 Default PC3 DFT-30

BW [MHz]	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)								
				3750	3750	3750		
100	P12 BPSK	1	1		22.94		24.0	0.0
100	P12 BPSK	1	137		22.87			
100	P12 BPSK	1	271		22.71			
100	P12 BPSK	135	0		22.38		23.5	0.5
100	P12 BPSK	135	69		22.79		24.0	0.0
100	P12 BPSK	135	138		22.39		23.5	0.5
100	P12 BPSK	270	0		22.40			
100	QPSK	1	1		23.22			
100	QPSK	1	137		23.18		24.0	0.0
100	QPSK	1	271		22.93		23.0	1.0
100	QPSK	135	0		21.94			
100	QPSK	135	69		23.01			
100	QPSK	135	138		21.89		23.0	1.0
100	QPSK	270	0		21.82			
100	16QAM	1	1		21.67		23.0	1.0
100	64QAM	1	1		20.37		21.5	2.5
100	256QAM	1	1		19.48		19.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	3745.02	3750	3755.01	23.07	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	3740.01	3750	3760.02	23.07	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	3735.00	3750	3765.00	23.07	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	3730.00	3750	3770.00	23.07	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	3725.00	3750	3775.00	23.07	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	3720.00	3750	3780.00	23.07	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	3715.00	3750	3785.00	23.07	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	3710.01	3750	3790.02	23.07	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	3705.02	3750	3795.01	23.07	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	3700.03	3750	3800.00	23.07	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	3695.05	3750	3805.00	23.07	0.0



Part27Q n78 Ant13 Default PC3 DFT-30									
BW [MHz]	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)				633334		3500.01			
100	PI2 BPSK	1	1	22.88			24.0	0.0	
100	PI2 BPSK	1	137	23.27					
100	PI2 BPSK	1	271	23.08					
100	PI2 BPSK	135	0	22.80			23.5	0.5	
100	PI2 BPSK	135	69	22.91			24.0	0.0	
100	PI2 BPSK	135	138	22.27			23.5	0.5	
100	PI2 BPSK	270	0	22.28			24.0	0.0	
100	QPSK	1	1	23.55					
100	QPSK	1	137	23.45					
100	QPSK	1	271	22.99			23.0	1.0	
100	QPSK	135	0	22.38					
100	QPSK	135	69	23.17					
100	QPSK	135	138	21.87			23.0	1.0	
100	QPSK	270	0	21.89			23.0	1.0	
100	16QAM	1	1	21.65					
100	64QAM	1	1	20.55					
100	256QAM	1	1	19.55			19.5	4.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (db)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	123	23.36	23.36	23.41	24.0	0.0	
Channel				632955	633334	634000	Tune-up limit (dBm)	MPR (db)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109	23.41	23.36	23.37	24.0	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (db)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	95	23.37	23.32	23.33	24.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (db)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	81	23.38	23.38	23.31	24.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (db)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67	23.33	23.40	23.40	24.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (db)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53	23.32	23.32	23.38	24.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (db)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	39	23.36	23.37	23.33	24.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (db)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26	23.35	23.29	23.32	24.0	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (db)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	23.21	23.17	23.23	24.0	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (db)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	23.21	23.12	23.10	24.0	0.0	

Part27O n78 Ant13 Default PC2 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000	3750		
Frequency (MHz)									
100	PI2 BPSK	1	1		25.83		27.0	0.0	
100	PI2 BPSK	1	137		25.81				
100	PI2 BPSK	1	271		25.62				
100	PI2 BPSK	135	0		25.31		26.5	0.5	
100	PI2 BPSK	135	69		25.70		27.0	0.0	
100	PI2 BPSK	135	138		25.24		26.5	0.5	
100	PI2 BPSK	270	0		25.28		27.0	0.0	
100	QPSK	1	1		25.10				
100	QPSK	1	137		26.02				
100	QPSK	1	271		25.78		26.0	1.0	
100	QPSK	135	0		24.89				
100	QPSK	135	69		25.69				
100	QPSK	135	138		24.80		26.0	1.0	
100	QPSK	270	0		24.75		26.0	1.0	
100	16QAM	1	1		24.62				
100	64QAM	1	1		23.22				
100	256QAM	1	1		21.41		22.5	4.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	25.83	25.82	25.88	27.0	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	25.83	25.85	25.98	27.0	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	25.80	25.98	25.99	27.0	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	25.88	25.92	25.83	27.0	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	25.92	25.89	25.86	27.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	25.98	25.91	25.97	27.0	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	25.80	25.87	25.88	27.0	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	25.83	25.89	25.98	27.0	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	25.03	25.07	25.05	27.0	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	25.12	25.02	25.13	27.0	0.0	

Part27Q n78 Ant13 Default PC2 DFT-30									
BW [MHz]	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)				3500.01					
100	PI2 BPSK	1	1		25.73		27.0	0.0	
100	PI2 BPSK	1	137		26.02				
100	PI2 BPSK	1	271		25.84				
100	PI2 BPSK	135	0		25.54		26.5	0.5	
100	PI2 BPSK	135	69		25.68		27.0	0.0	
100	PI2 BPSK	135	138		25.10		26.5	0.5	
100	PI2 BPSK	270	0		25.09		27.0	0.0	
100	QPSK	1	1		25.87				
100	QPSK	1	137		26.20				
100	QPSK	1	271		25.76		26.0	1.0	
100	QPSK	135	0		25.15				
100	QPSK	135	69		25.94				
100	QPSK	135	138		24.72		26.0	1.0	
100	QPSK	270	0		24.72		26.0	1.0	
100	16QAM	1	1		24.48				
100	64QAM	1	1		23.34				
100	256QAM	1	1		21.38		22.5	4.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	123	25.85	25.84	25.84	27.0	0.0	
Channel				632955	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109	25.80	25.92	25.88	27.0	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	95	25.83	25.97	25.93	27.0	0.0	
Channel				631668	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525.02			
50	QPSK	1	67	25.88	25.88	26.00	27.0	0.0	
Channel				631154	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53	25.91	25.86	25.83	27.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465.01	3500.01	3536.02			
30	QPSK	1	39	25.79	25.95	26.00	27.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26	25.76	25.79	25.49	27.0	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3458	3500	3543			
15	QPSK	1	1	25.21	25.13	25.06	27.0	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	1	25.10	25.13	25.07	27.0	0.0	



Reduced power level for 5G NR

n5 Ant0 DSH1 DFT-15									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	24.99	25.01	24.80	25.5	0.0	
20	PI2 BPSK	1	53	25.06	25.07	24.80			
20	PI2 BPSK	1	104	24.74	24.96	24.95			
20	PI2 BPSK	50	0	24.55	24.53	24.43	25.0	0.5	
20	PI2 BPSK	50	28	24.92	25.06	24.85	25.5	0.0	
20	PI2 BPSK	50	56	24.46	24.49	24.36	25.0	0.5	
20	PI2 BPSK	100	0	24.40	24.47	24.29			
20	QPSK	1	1	24.99	25.20	25.15			
20	QPSK	1	53	25.09	25.15	25.08	25.5	0.0	
20	QPSK	1	104	24.97	25.13	25.06			
20	QPSK	50	0	23.94	24.06	23.97	24.5	1.0	
20	QPSK	50	28	25.13	25.17	25.08	25.5	0.0	
20	QPSK	50	56	23.93	24.05	23.94	24.5	1.0	
20	QPSK	100	0	23.89	24.06	23.88			
20	16QAM	1	1	23.80	23.97	23.80	24.5	1.0	
20	64QAM	1	1	22.39	22.43	22.37	23.0	2.5	
20	256QAM	1	1	20.26	20.40	20.20	21.0	4.5	
Channel				166300	167300	168300	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5	(dB)		
16	QPSK	1	1	25.17	25.14	25.11	25.5	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844	(dBm)		
10	QPSK	1	1	25.19	25.10	25.12	25.5	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5	(dBm)		
5	QPSK	1	1	25.08	25.16	25.02	25.5	0.0	

n7 Ant0 DSH DFT-15									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	PI2 BPSK	1	1	23.29	23.47	23.40	24.5	0.0	
40	PI2 BPSK	1	108	23.24	23.38	23.16			
40	PI2 BPSK	1	214	23.24	23.38	23.19			
40	PI2 BPSK	108	0	22.73	22.86	22.72	24.0	0.5	
40	PI2 BPSK	108	54	23.21	23.39	23.27	24.5	0.0	
40	PI2 BPSK	108	108	22.82	22.82	22.81	24.0	0.5	
40	PI2 BPSK	216	0	22.79	22.86	22.72			
40	QPSK	1	1	23.47	23.52	23.40			
40	QPSK	1	108	23.29	23.33	23.18	24.5	0.0	
40	QPSK	1	214	23.16	23.32	23.17			
40	QPSK	108	0	22.24	22.40	22.27	23.5	1.0	
40	QPSK	108	54	23.29	23.44	23.40	24.5	0.0	
40	QPSK	108	108	22.39	22.42	22.41	23.5	1.0	
40	QPSK	216	0	22.35	22.39	22.18			
40	16QAM	1	1	22.33	22.44	22.44	23.5	1.0	
40	64QAM	1	1	20.81	20.82	20.86	22.0	2.5	
40	256QAM	1	1	19.04	19.08	18.89	20.0	4.5	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555	(dBm)		
30	QPSK	1	1	23.16	23.32	23.30	24.5	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5	(dBm)		
25	QPSK	1	1	23.18	23.38	23.29	24.5	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2550	(dBm)		
20	QPSK	1	1	23.19	23.41	23.30	24.5	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2507.5	2535	2562.5	(dBm)		
15	QPSK	1	1	23.15	23.34	23.34	24.5	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	(dBm)		
10	QPSK	1	1	23.17	23.38	23.37	24.5	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	(dBm)		
5	QPSK	1	1	23.23	23.38	23.34	24.5	0.0	

n66 Ant0 DSH DFT-15									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346800	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	22.70	22.75	22.77	24.5	0.0	
40	PI2 BPSK	1	108	22.90	22.93	22.89			
40	PI2 BPSK	1	214	22.81	22.81	22.83			
40	PI2 BPSK	108	0	22.34	22.28	22.24	24.0	0.5	
40	PI2 BPSK	108	54	22.84	22.87	22.83	24.5	0.0	
40	PI2 BPSK	108	108	22.46	22.40	22.40	24.0	0.5	
40	PI2 BPSK	216	0	22.43	22.41	22.48			
40	QPSK	1	1	22.91	22.95	22.85			
40	QPSK	1	108	22.84	22.92	22.93	24.5	0.0	
40	QPSK	1	214	22.89	22.80	22.86	23.5	1.0	
40	QPSK	108	0	21.90	21.85	21.87			
40	QPSK	108	54	22.86	22.91	22.90	24.5	0.0	
40	QPSK	108	108	21.92	21.91	21.97	23.5	1.0	
40	QPSK	216	0	21.91	21.99	21.93			
40	16QAM	1	1	22.08	22.07	22.03	23.5	1.0	
40	64QAM	1	1	20.56	20.55	20.52	22.0	2.5	
40	256QAM	1	1	18.17	18.10	18.07	20.0	4.5	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765	(dBm)		
30	QPSK	1	1	22.72	22.71	22.74	24.5	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770	(dBm)		
20	QPSK	1	1	22.75	22.81	22.84	24.5	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)		
15	QPSK	1	1	22.76	22.70	22.75	24.5	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	(dBm)		
10	QPSK	1	1	22.67	22.78	22.83	24.5	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)		
5	QPSK	1	1	22.76	22.75	22.86	24.5	0.0	

n38 Ant0 DS11 DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996	22.5	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	20.95	20.88	20.87	22.5	0.0
40	PI/2 BPSK	1	53	20.79	20.86	20.95		
40	PI/2 BPSK	1	104	20.92	20.95	20.90		
40	PI/2 BPSK	50	0	20.14	20.16	20.12		
40	PI/2 BPSK	50	28	20.96	20.96	20.96	22.5	0.0
40	PI/2 BPSK	50	56	20.56	20.58	20.55	22.0	0.5
40	PI/2 BPSK	100	0	20.32	20.29	20.32		
40	QPSK	1	1	20.96	20.99	20.86	22.5	0.0
40	QPSK	1	53	20.98	20.95	20.92		
40	QPSK	1	104	20.88	20.86	20.89		
40	QPSK	50	0	19.58	19.53	19.51		
40	QPSK	50	28	20.70	20.73	20.69	22.5	0.0
40	QPSK	50	56	20.07	20.07	20.05	21.5	1.0
40	QPSK	100	0	19.66	19.68	19.76		
40	16QAM	1	1	19.88	19.92	19.87	21.5	1.0
40	64QAM	1	1	18.48	18.51	18.57	20.0	2.5
40	256QAM	1	1	16.63	16.60	16.59	18.0	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	20.83	20.86	20.76	22.5	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	20.90	20.96	20.92	22.5	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	PI/2 BPSK	1	1	20.80	20.84	20.83	22.5	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	PI/2 BPSK	1	1	20.88	20.89	20.87	22.5	0.0

n41 Ant0 DS11 DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	22.5	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	20.86	20.88	20.90	22.5	0.0
100	PI/2 BPSK	1	137	20.91	20.89	20.96		
100	PI/2 BPSK	1	271	20.58	20.54	20.56		
100	PI/2 BPSK	135	0	20.30	20.29	20.29		
100	PI/2 BPSK	135	69	20.91	20.92	20.96	22.5	0.0
100	PI/2 BPSK	135	138	20.61	20.56	20.56	22.0	0.5
100	PI/2 BPSK	270	0	20.31	20.29	20.33		
100	QPSK	1	1	20.97	21.00	20.98	22.5	0.0
100	QPSK	1	137	20.92	20.93	20.99		
100	QPSK	1	271	20.65	20.58	20.63		
100	QPSK	135	0	19.81	19.74	19.81		
100	QPSK	135	69	20.75	20.81	20.76	22.5	0.0
100	QPSK	135	138	20.14	20.08	20.04	21.5	1.0
100	QPSK	270	0	19.76	19.77	19.74		
100	16QAM	1	1	19.72	19.72	19.75	21.5	1.0
100	64QAM	1	1	18.31	18.26	18.24	20.0	2.5
100	256QAM	1	1	16.82	16.83	16.83	18.0	4.5
Channel				508200	518598	528998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	20.03	20.89	20.93	22.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	20.01	20.89	20.90	22.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	20.89	20.84	20.88	22.5	0.0
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	20.92	20.85	20.87	22.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	20.82	20.93	20.95	22.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	20.86	20.89	20.87	22.5	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	20.85	20.95	20.89	22.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	20.88	20.91	20.85	22.5	0.0

n5 Ant1 DS11 DFT-15								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	22.60	22.53	22.57	23.2	0.0
20	PI/2 BPSK	1	53	22.51	22.55	22.53		
20	PI/2 BPSK	1	104	22.41	22.43	22.36		
20	PI/2 BPSK	50	0	22.33	22.26	22.21	23.2	0.0
20	PI/2 BPSK	50	28	22.41	22.48	22.55	23.2	0.0
20	PI/2 BPSK	50	56	22.48	22.40	22.49	23.2	0.0
20	PI/2 BPSK	100	0	22.48	22.46	22.59		
20	QPSK	1	1	22.51	22.65	22.60	23.2	0.0
20	QPSK	1	53	22.53	22.45	22.41		
20	QPSK	1	104	22.41	22.34	22.23		
20	QPSK	50	0	22.50	22.51	22.51	23.2	0.0
20	QPSK	50	28	22.50	22.56	22.43	23.2	0.0
20	QPSK	50	56	22.35	22.42	22.37	23.2	0.0
20	QPSK	100	0	22.48	22.55	22.54		
20	16QAM	1	1	22.58	22.59	22.49	23.2	0.0
20	64QAM	1	1	22.57	22.60	22.48	23.2	0.0
20	256QAM	1	1	20.45	20.64	20.57	21.2	2.0
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.56	22.43	22.47	23.2	0.0
Channel				165900	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				839	836.5	844		
10	QPSK	1	1	22.37	22.48	22.52	23.2	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	22.43	22.45	22.40	23.2	0.0

n7 Ant3 DS1 DFT-15								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000	24.0	0.0
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	23.07	23.18	23.19	24.0	0.0
40	PI/2 BPSK	1	108	23.05	23.15	23.13		
40	PI/2 BPSK	1	214	22.96	23.06	22.97		
40	PI/2 BPSK	108	0	22.56	22.66	22.54	23.5	0.5
40	PI/2 BPSK	108	54	23.07	23.15	23.11	24.0	0.0
40	PI/2 BPSK	108	108	22.58	22.66	22.71	23.5	0.5
40	PI/2 BPSK	216	0	22.49	22.56	22.49		
40	QPSK	1	1	23.18	23.20	23.19	24.0	0.0
40	QPSK	1	108	23.09	23.16	23.13		
40	QPSK	1	214	23.16	23.11	23.01		
40	QPSK	108	0	22.20	22.10	22.06		
40	QPSK	108	54	23.03	23.13	23.11	24.0	0.0
40	QPSK	108	108	22.13	22.08	22.06	23.0	1.0
40	QPSK	216	0	21.99	22.09	22.05		
40	16QAM	1	1	22.34	22.42	22.34	23.0	1.0
40	64QAM	1	1	20.79	20.75	20.75	21.5	2.5
40	256QAM	1	1	18.74	18.62	18.57	19.5	4.5
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555	24.0	0.0
30	PI/2 BPSK	1	1	22.92	23.00	23.10	24.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5	24.0	0.0
25	PI/2 BPSK	1	1	22.97	23.18	23.00	24.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560	24.0	0.0
20	QPSK	1	1	22.94	23.00	23.01	24.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	24.0	0.0
15	QPSK	1	1	22.92	23.11	23.04	24.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	24.0	0.0
10	QPSK	1	1	22.92	23.05	23.08	24.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	24.0	0.0
5	QPSK	1	1	22.99	23.13	23.18	24.0	0.0

n66 Ant3 DS1 DFT-15								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000	24.0	0.0
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	22.74	22.78	22.81	24.0	0.0
40	PI/2 BPSK	1	108	22.64	22.73	22.67		
40	PI/2 BPSK	1	214	22.76	22.72	22.77		
40	PI/2 BPSK	108	0	22.06	22.16	22.19		
40	PI/2 BPSK	108	54	22.81	22.69	22.70	24.0	0.0
40	PI/2 BPSK	108	108	22.13	22.17	22.25	23.5	0.5
40	PI/2 BPSK	216	0	22.28	22.28	22.40		
40	QPSK	1	1	22.80	22.82	22.73	24.0	0.0
40	QPSK	1	108	22.78	22.76	22.66		
40	QPSK	1	214	22.71	22.79	22.70		
40	QPSK	108	0	21.79	21.76	21.66		
40	QPSK	108	54	22.61	22.70	22.68	24.0	0.0
40	QPSK	108	108	21.73	21.73	21.82	23.0	1.0
40	QPSK	216	0	21.75	21.80	21.72		
40	16QAM	1	1	22.05	22.01	21.96	23.0	1.0
40	64QAM	1	1	20.45	20.45	20.35	21.5	2.5
40	256QAM	1	1	18.26	18.20	18.13	19.5	4.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765	Tune-up limit (dBm)	MPR (dB)
30	PI/2 BPSK	1	1	22.71	22.75	22.64	24.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	22.58	22.73	22.70	24.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	22.53	22.63	22.68	24.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	22.71	22.88	22.70	24.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	22.54	22.79	22.64	24.0	0.0

n38 Ant3 DSH DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996	24.0	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	22.94	22.97	22.83		
40	PI/2 BPSK	1	53	22.74	22.92	22.71		
40	PI/2 BPSK	1	104	22.81	22.96	22.91	23.5	0.5
40	PI/2 BPSK	50	0	22.35	22.42	22.34		
40	PI/2 BPSK	50	28	22.71	22.84	22.73		
40	PI/2 BPSK	50	56	22.27	22.41	22.22		
40	PI/2 BPSK	100	0	22.29	22.39	22.18	24.0	0.0
40	QPSK	1	1	22.96	22.98	22.85		
40	QPSK	1	53	22.81	22.96	22.76		
40	QPSK	1	104	22.86	22.97	22.97		
40	QPSK	50	0	21.82	21.91	21.91	23.0	1.0
40	QPSK	50	28	22.81	22.87	22.82		
40	QPSK	50	56	21.97	21.99	21.95		
40	QPSK	100	0	21.66	21.87	21.74		
40	16QAM	1	1	21.81	21.93	21.75	23.0	1.0
40	64QAM	1	1	20.43	20.54	20.33		
40	256QAM	1	1	18.30	18.51	18.36		
Channel				517002	519000	520998	24.0	0.0
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	22.81	22.95	22.97		
Channel				516000	519000	522000	24.0	0.0
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	22.87	22.88	22.79		
Channel				515502	519000	522498	24.0	0.0
Frequency (MHz)				2577.51	2595	2612.49		
15	PI/2 BPSK	1	1	22.12	22.25	22.23		
Channel				515004	519000	522996	24.0	0.0
Frequency (MHz)				2575.02	2595	2614.98		
10	PI/2 BPSK	1	1	22.17	22.23	22.17		

n41 Ant3 DSH DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	24.0	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	22.96	22.88	22.86		
100	PI/2 BPSK	1	137	22.79	22.84	22.72		
100	PI/2 BPSK	1	271	22.94	22.86	22.83	23.5	0.5
100	PI/2 BPSK	135	0	22.13	22.25	22.25		
100	PI/2 BPSK	135	69	22.86	22.84	22.90		
100	PI/2 BPSK	135	138	22.63	22.71	22.73		
100	PI/2 BPSK	270	0	22.31	22.38	22.29	24.0	0.0
100	QPSK	1	1	22.88	22.99	22.94		
100	QPSK	1	137	22.82	22.98	22.86		
100	QPSK	1	271	22.49	22.50	22.53		
100	QPSK	135	0	21.68	21.86	21.77	23.0	1.0
100	QPSK	135	69	22.88	22.97	22.86		
100	QPSK	135	138	21.87	21.84	21.89		
100	QPSK	270	0	21.73	21.85	21.84		
100	16QAM	1	1	21.86	21.89	21.93	23.0	1.0
100	64QAM	1	1	20.09	20.13	20.11		
100	256QAM	1	1	18.44	18.53	18.44		
Channel				508200	518598	528096	24.0	0.0
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	22.98	22.77	22.74		
Channel				507204	518598	528096	24.0	0.0
Frequency (MHz)				2536.02	2592.99	2640.99		
80	QPSK	1	1	22.98	22.66	22.68		
Channel				506202	518598	531000	24.0	0.0
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	22.90	22.79	22.83		
Channel				505200	518598	531996	24.0	0.0
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	22.78	22.83	22.67		
Channel				504204	518598	532998	24.0	0.0
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	22.77	22.79	22.68		
Channel				503202	518598	534000	24.0	0.0
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	22.82	22.86	22.77		
Channel				502200	518598	534996	24.0	0.0
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	22.91	22.80	22.68		
Channel				501204	518598	535998	24.0	0.0
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	22.77	22.71	22.66		

n7 Ant4 DSH DFT-15									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	PI/2 BPSK	1	1	17.32	17.20	17.19	17.5	0.0	
40	PI/2 BPSK	1	108	17.28	17.18	17.19			
40	PI/2 BPSK	1	214	17.13	17.07	17.16			
40	PI/2 BPSK	108	0	17.26	17.15	17.22	17.5	0.0	
40	PI/2 BPSK	108	54	17.19	17.13	17.20	17.5	0.0	
40	PI/2 BPSK	108	108	17.06	17.15	17.11	17.5	0.0	
40	PI/2 BPSK	216	0	17.15	17.18	17.21			
40	QPSK	1	1	17.21	17.35	17.16			
40	QPSK	1	108	17.27	17.21	17.20	17.5	0.0	
40	QPSK	1	214	17.32	17.24	17.16			
40	QPSK	108	0	17.07	17.23	17.15			
40	QPSK	108	54	17.06	17.26	16.95	17.5	0.0	
40	QPSK	108	108	17.13	17.15	17.17	16.5	1.0	
40	QPSK	216	0	17.12	17.20	17.19	16.5	1.0	
40	16QAM	1	1	17.28	17.09	17.30	17.5	0.0	
40	64QAM	1	1	17.25	17.29	17.33	17.5	0.0	
40	256QAM	1	1	17.27	17.26	17.31	17.5	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555	17.5	0.0	
30	QPSK	1	1	17.24	17.28	17.07	17.5	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5	17.5	0.0	
25	QPSK	1	1	17.26	17.28	17.06	17.5	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560	17.5	0.0	
20	QPSK	1	1	17.25	17.23	17.10	17.5	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	17.5	0.0	
15	QPSK	1	1	17.28	17.30	17.25	17.5	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	17.5	0.0	
10	QPSK	1	1	17.20	17.08	17.15	17.5	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	17.5	0.0	
5	QPSK	1	1	17.25	17.34	17.13	17.5	0.0	

n66 Ant4 DSI1 DFT-15									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	17.58	17.59	17.54	18.5	0.0	
40	PI/2 BPSK	1	108	17.59	17.62	17.51			
40	PI/2 BPSK	1	214	17.58	17.57	17.56			
40	PI/2 BPSK	108	0	17.46	17.55	17.57	18.5	0.0	
40	PI/2 BPSK	108	54	17.52	17.60	17.51	18.5	0.0	
40	PI/2 BPSK	108	108	17.48	17.55	17.54	18.5	0.0	
40	PI/2 BPSK	216	0	17.50	17.62	17.60			
40	QPSK	1	1	17.57	17.64	17.58			
40	QPSK	1	108	17.62	17.59	17.63	18.5	0.0	
40	QPSK	1	214	17.55	17.57	17.48			
40	QPSK	108	0	17.50	17.56	17.47			
40	QPSK	108	54	17.54	17.60	17.52	18.5	0.0	
40	QPSK	108	108	17.56	17.53	17.57	18.5	0.0	
40	QPSK	216	0	17.57	17.61	17.54			
40	16QAM	1	1	17.58	17.62	17.58			
40	64QAM	1	1	17.60	17.63	17.51	18.5	0.0	
40	256QAM	1	1	17.50	17.53	17.58	18.5	0.0	
Channel				345000	349000	353000	Tune-up limit	MPR	
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)	
30	QPSK	1	1	17.49	17.58	17.50	18.5	0.0	
Channel				344000	349000	354000	Tune-up limit	MPR	
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)	
20	QPSK	1	1	17.40	17.61	17.50	18.5	0.0	
Channel				343500	349000	354500	Tune-up limit	MPR	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)	
15	QPSK	1	1	17.45	17.50	17.40	18.5	0.0	
Channel				343000	349000	355000	Tune-up limit	MPR	
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)	
10	QPSK	1	1	17.41	17.41	17.56	18.5	0.0	
Channel				342500	349000	355500	Tune-up limit	MPR	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)	
5	QPSK	1	1	17.49	17.45	17.33	18.5	0.0	

n38 Ant4 DS11 DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996	19.5	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	19.47	19.51	19.45	19.5	0.0
40	PI/2 BPSK	1	53	19.35	19.35	19.31		
40	PI/2 BPSK	1	104	19.36	19.45	19.50		
40	PI/2 BPSK	50	0	19.36	19.42	19.41		
40	PI/2 BPSK	50	28	19.30	19.33	19.44	19.5	0.0
40	PI/2 BPSK	50	56	19.37	19.37	19.38		
40	PI/2 BPSK	100	0	19.48	19.45	19.43		
40	QPSK	1	1	19.41	19.52	19.48		
40	QPSK	1	53	19.43	19.34	19.27	19.5	0.0
40	QPSK	1	104	19.50	19.45	19.49		
40	QPSK	50	0	19.22	19.31	19.27		
40	QPSK	50	28	19.35	19.40	19.30		
40	QPSK	50	56	19.33	19.39	19.38	19.5	0.0
40	QPSK	100	0	19.26	19.37	19.31		
40	16QAM	1	1	19.33	19.41	19.33		
40	64QAM	1	1	19.40	19.51	19.43		
40	256QAM	1	1	19.46	19.40	19.36	19.5	0.0
Channel				517002	519000	520998		
Frequency (MHz)				2685.01	2695	2694.99	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	19.30	19.47	19.25	19.5	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2680	2695	2610	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	19.31	19.50	19.26	19.5	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2677.51	2695	2612.49	Tune-up limit (dBm)	MPR (dB)
15	PI/2 BPSK	1	1	19.10	18.96	19.11	19.5	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2675.02	2695	2614.98	Tune-up limit (dBm)	MPR (dB)
10	PI/2 BPSK	1	1	19.17	18.94	18.96	19.5	0.0

n41 Ant4 DS11 DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	20.0	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	19.21	19.13	19.14	20.0	0.0
100	PI/2 BPSK	1	137	19.18	19.16	19.18		
100	PI/2 BPSK	1	271	19.31	19.23	19.34		
100	PI/2 BPSK	135	0	19.28	19.21	19.13		
100	PI/2 BPSK	135	69	19.32	19.33	19.28	20.0	0.0
100	PI/2 BPSK	135	138	19.05	19.06	19.06		
100	PI/2 BPSK	270	0	19.09	19.20	19.21		
100	QPSK	1	1	19.34	19.38	19.26		
100	QPSK	1	137	19.10	19.15	19.08	20.0	0.0
100	QPSK	1	271	19.35	19.28	19.32		
100	QPSK	135	0	19.14	19.12	19.01		
100	QPSK	135	69	19.14	19.23	19.13		
100	QPSK	135	138	19.01	19.11	19.14	20.0	0.0
100	QPSK	270	0	19.12	19.22	19.19		
100	16QAM	1	1	19.30	19.32	19.35		
100	64QAM	1	1	19.34	19.30	19.22		
100	256QAM	1	1	19.11	19.12	19.00	20.0	0.0
Channel				508200	518598	528998		
Frequency (MHz)				2541	2592.99	2644.98	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	19.15	19.11	19.07	20.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	19.17	18.96	18.97	20.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	19.20	18.99	19.11	20.0	0.0
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	18.99	19.10	19.02	20.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	19.19	18.96	19.11	20.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	19.22	18.98	19.04	20.0	0.0
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	19.17	18.94	18.96	20.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	19.20	18.94	18.93	20.0	0.0

n7 Ant5 DS11 DFT-15									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	PI/2 BPSK	1	1	21.64	21.65	21.58	23.0	0.0	
40	PI/2 BPSK	1	108	21.56	21.60	21.63			
40	PI/2 BPSK	1	214	21.60	21.58	21.51			
40	PI/2 BPSK	108	0	21.10	21.05	21.01	22.5	0.5	
40	PI/2 BPSK	108	54	21.54	21.53	21.58	23.0	0.0	
40	PI/2 BPSK	108	108	21.14	21.07	21.06	22.5	0.5	
40	PI/2 BPSK	216	0	20.95	21.05	21.02			
40	QPSK	1	1	21.64	21.68	21.55	23.0	0.0	
40	QPSK	1	108	21.67	21.58	21.60			
40	QPSK	1	214	21.43	21.52	21.62			
40	QPSK	108	0	20.62	20.55	20.61	22.0	1.0	
40	QPSK	108	54	21.48	21.49	21.40	23.0	0.0	
40	QPSK	108	108	20.50	20.57	20.56	22.0	1.0	
40	QPSK	216	0	20.46	20.65	20.56			
40	16QAM	1	1	20.76	20.89	20.91	22.0	1.0	
40	64QAM	1	1	19.35	19.34	19.39	20.5	2.5	
40	256QAM	1	1	17.35	17.33	17.42	18.5	4.5	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	21.60	21.49	21.45	23.0	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	21.43	21.65	21.43	23.0	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	21.62	21.47	21.43	23.0	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	21.48	21.64	21.39	23.0	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	21.64	21.61	21.43	23.0	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	21.44	21.63	21.55	23.0	0.0	

n66 Ant5 DS11 DFT-15									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dbm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	20.41	20.53	20.55	22.0	0.0	
40	PI/2 BPSK	1	108	20.57	20.55	20.47			
40	PI/2 BPSK	1	214	20.40	20.52	20.44			
40	PI/2 BPSK	108	0	20.12	20.05	20.13			
40	PI/2 BPSK	108	54	20.51	20.47	20.39	22.0	0.0	
40	PI/2 BPSK	108	108	20.38	20.47	20.53	22.0	0.0	
40	PI/2 BPSK	216	0	20.51	20.49	20.45			
40	QPSK	1	1	20.52	20.68	20.52	22.0	0.0	
40	QPSK	1	108	20.53	20.54	20.46			
40	QPSK	1	214	20.51	20.56	20.55			
40	QPSK	108	0	20.51	20.52	20.41			
40	QPSK	108	54	20.37	20.63	20.39	22.0	0.0	
40	QPSK	108	108	20.46	20.44	20.34	22.0	0.0	
40	QPSK	216	0	20.47	20.54	20.42			
40	16QAM	1	1	20.42	20.45	20.47	22.0	0.0	
40	64QAM	1	1	19.25	19.15	19.09	20.5	1.5	
40	256QAM	1	1	17.14	17.19	17.20	18.5	3.5	
Channel				345000	349000	353000	Tune-up limit	MPR	
Frequency (MHz)				1725	1745	1765	(dbm)	(dB)	
30	QPSK	1	1	20.34	20.35	20.51	22.0	0.0	
Channel				344000	349000	354000	Tune-up limit	MPR	
Frequency (MHz)				1720	1745	1770	(dbm)	(dB)	
20	QPSK	1	1	20.37	20.42	20.46	22.0	0.0	
Channel				343500	349000	354500	Tune-up limit	MPR	
Frequency (MHz)				1717.5	1745	1772.5	(dbm)	(dB)	
15	QPSK	1	1	20.36	20.41	20.46	22.0	0.0	
Channel				343000	349000	355000	Tune-up limit	MPR	
Frequency (MHz)				1715	1745	1775	(dbm)	(dB)	
10	QPSK	1	1	20.26	20.40	20.56	22.0	0.0	
Channel				342500	349000	355500	Tune-up limit	MPR	
Frequency (MHz)				1712.5	1745	1777.5	(dbm)	(dB)	
5	QPSK	1	1	20.39	20.51	20.56	22.0	0.0	

n38 Ant5 DS11 DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996	22.2	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	21.28	21.23	21.29	22.2	0.0
40	PI/2 BPSK	1	53	21.21	21.22	21.12		
40	PI/2 BPSK	1	104	21.26	21.32	21.20		
40	PI/2 BPSK	50	0	20.56	20.70	20.60	22.2	0.0
40	PI/2 BPSK	50	28	21.20	21.15	21.05	22.2	0.0
40	PI/2 BPSK	50	56	20.74	20.77	20.79	22.2	0.0
40	PI/2 BPSK	100	0	20.75	20.66	20.56		
40	QPSK	1	1	21.24	21.29	21.26	22.2	0.0
40	QPSK	1	53	21.17	21.21	21.15		
40	QPSK	1	104	21.27	21.27	21.21		
40	QPSK	50	0	21.00	21.18	21.11	22.2	0.0
40	QPSK	50	28	21.09	21.30	21.07	22.2	0.0
40	QPSK	50	56	21.23	21.27	21.15	22.2	0.0
40	QPSK	100	0	21.03	21.15	21.03		
40	16QAM	1	1	21.16	21.19	21.09	22.2	0.0
40	64QAM	1	1	21.04	21.06	20.95	22.2	0.0
40	256QAM	1	1	20.26	20.34	20.43	21.2	1.0
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99	22.2	0.0
30	QPSK	1	1	21.23	21.12	21.03	22.2	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610	22.2	0.0
20	QPSK	1	1	21.06	21.06	21.06	22.2	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49	22.2	0.0
15	PI/2 BPSK	1	1	21.22	21.15	21.03	22.2	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98	22.2	0.0
10	PI/2 BPSK	1	1	21.25	21.24	21.13	22.2	0.0

n41 Ant5 DS11 DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	22.2	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	21.26	21.32	21.44	22.2	0.0
100	PI/2 BPSK	1	137	21.25	21.34	21.43		
100	PI/2 BPSK	1	271	21.27	21.32	21.27		
100	PI/2 BPSK	135	0	21.28	21.28	21.28	22.2	0.0
100	PI/2 BPSK	135	69	21.34	21.33	21.28	22.2	0.0
100	PI/2 BPSK	135	138	21.40	21.29	21.45	22.2	0.0
100	PI/2 BPSK	270	0	21.11	21.30	21.28		
100	QPSK	1	1	21.40	21.46	21.47	22.2	0.0
100	QPSK	1	137	21.25	21.31	21.40		
100	QPSK	1	271	21.36	21.32	21.23		
100	QPSK	135	0	21.15	21.23	21.13	22.2	0.0
100	QPSK	135	69	21.06	21.43	21.22	22.2	0.0
100	QPSK	135	138	21.21	21.33	21.34	22.2	0.0
100	QPSK	270	0	21.32	21.42	21.38		
100	16QAM	1	1	21.35	21.41	21.39	22.2	0.0
100	64QAM	1	1	21.33	21.46	21.37	22.2	0.0
100	256QAM	1	1	20.69	20.68	20.99	21.2	1.0
Channel				508200	518598	528998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98	22.2	0.0
90	QPSK	1	1	21.26	21.37	21.28	22.2	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2640.99	22.2	0.0
80	QPSK	1	1	21.16	21.21	21.43	22.2	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655	22.2	0.0
70	QPSK	1	1	21.22	21.34	21.24	22.2	0.0
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98	22.2	0.0
60	QPSK	1	1	21.25	21.32	21.31	22.2	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99	22.2	0.0
50	QPSK	1	1	21.22	21.35	21.44	22.2	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670	22.2	0.0
40	QPSK	1	1	21.28	21.29	21.36	22.2	0.0
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98	22.2	0.0
30	QPSK	1	1	21.25	21.24	21.30	22.2	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99	22.2	0.0
20	QPSK	1	1	21.22	21.20	21.44	22.2	0.0

Par270 n77 Ant10 DSH DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	18.74	18.94	18.83	19.7	0.0
100	PI/2 BPSK	1	137	18.89	18.89	18.80		
100	PI/2 BPSK	1	271	18.92	18.95	18.85		
100	PI/2 BPSK	135	0	18.26	18.40	18.41		
100	PI/2 BPSK	135	69	18.78	18.90	18.83		
100	PI/2 BPSK	135	138	18.36	18.19	18.34	19.7	0.0
100	PI/2 BPSK	270	0	18.19	18.46	18.29		
100	QPSK	1	1	18.74	18.95	18.83		
100	QPSK	1	137	18.89	18.89	18.80		
100	QPSK	1	271	18.92	18.95	18.85		
100	QPSK	135	0	18.74	18.85	18.83	19.7	0.0
100	QPSK	135	69	18.89	18.94	18.80	19.7	0.0
100	QPSK	135	138	18.92	18.85	18.85	19.7	0.0
100	QPSK	270	0	18.26	18.42	18.41	19.7	0.0
100	16QAM	1	1	18.80	18.90	18.83		
100	64QAM	1	1	18.30	18.19	18.34		
100	256QAM	1	1	18.10	18.40	18.29		
Channel				646668	650000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01	19.7	0.0
90	QPSK	1	1	18.82	18.96	18.84	19.7	0.0
Channel				646334	650000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02	19.7	0.0
80	QPSK	1	1	18.91	18.90	18.78	19.7	0.0
Channel				646000	650000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945	19.7	0.0
70	QPSK	1	1	18.82	18.64	18.85	19.7	0.0
Channel				646668	650000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01	19.7	0.0
60	QPSK	1	1	18.90	18.93	18.79	19.7	0.0
Channel				646334	650000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02	19.7	0.0
50	QPSK	1	1	18.94	18.80	18.87	19.7	0.0
Channel				646000	650000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960	19.7	0.0
40	QPSK	1	1	18.82	18.86	18.92	19.7	0.0
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01	19.7	0.0
30	QPSK	1	1	19.01	18.98	18.80	19.7	0.0
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02	19.7	0.0
20	QPSK	1	1	18.92	18.96	18.77	19.7	0.0
Channel				647168	650000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.82	3840	3972.51	19.7	0.0
15	QPSK	1	1	18.84	18.89	18.80	19.7	0.0
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975	19.7	0.0
10	QPSK	1	1	18.56	18.84	18.78	19.7	0.0

Part27Q n77 Ant10 DSH1 DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	18.74			19.7	0.0
100	PI/2 BPSK	1	137	18.82				
100	PI/2 BPSK	1	271	19.00				
100	PI/2 BPSK	135	0	18.41			19.7	0.0
100	PI/2 BPSK	135	69	19.07				
100	PI/2 BPSK	135	138	18.41				
100	PI/2 BPSK	270	0	18.34			19.7	0.0
100	QPSK	1	1	19.10			19.7	0.0
100	QPSK	1	137	18.74				
100	QPSK	1	271	18.74				
100	QPSK	135	0	19.00			19.7	0.0
100	QPSK	135	69	19.08				
100	QPSK	135	138	18.41				
100	QPSK	270	0	18.99			19.7	0.0
100	16QAM	1	1	18.41			19.7	0.0
100	64QAM	1	1	18.34			19.7	0.0
100	256QAM	1	1	18.26			19.7	0.0
Channel				633000		633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02	19.7	0.0
90	QPSK	1	123	18.84	18.81	18.86	19.7	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510	19.7	0.0
80	QPSK	1	109	18.91	18.92	18.91	19.7	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01	19.7	0.0
70	QPSK	1	95	18.97	19.00	18.78	19.7	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02	19.7	0.0
60	QPSK	1	81	19.04	18.84	18.78	19.7	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525	19.7	0.0
50	QPSK	1	67	18.97	18.88	18.88	19.7	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01	19.7	0.0
40	QPSK	1	53	18.84	18.89	18.80	19.7	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02	19.7	0.0
30	QPSK	1	39	18.85	18.80	18.87	19.7	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	19.7	0.0
20	QPSK	1	26	18.95	18.95	18.91	19.7	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52	19.7	0.0
15	QPSK	1	1	18.82	18.86	18.92	19.7	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01	19.7	0.0
10	QPSK	1	1	18.82	18.96	18.77	19.7	0.0

Part27O n78 Ant10 DSI1 PC2&PC3 DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
100	PI/2 BPSK	1	1	19.10	19.35	19.24	20.0	0.0
100	PI/2 BPSK	1	137	19.38			20.0	0.0
100	PI/2 BPSK	1	271	19.30				
100	PI/2 BPSK	135	0	19.31			20.0	0.0
100	PI/2 BPSK	135	69	19.33			20.0	0.0
100	PI/2 BPSK	135	138	19.29			20.0	0.0
100	PI/2 BPSK	270	0	19.23			20.0	0.0
100	QPSK	1	1	19.43			20.0	0.0
100	QPSK	1	137	19.37			20.0	0.0
100	QPSK	1	271	19.38				
100	QPSK	135	0	19.24			20.0	0.0
100	QPSK	135	69	19.27			20.0	0.0
100	QPSK	135	138	19.24			20.0	0.0
100	QPSK	270	0	19.25			20.0	0.0
100	16QAM	1	1	19.14			20.0	0.0
100	64QAM	1	1	19.33			20.0	0.0
100	256QAM	1	1	19.40			20.0	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	19.10	19.35	19.24	20.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	19.11	19.15	19.33	20.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	19.27	19.17	19.36	20.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	19.10	19.22	19.35	20.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	19.05	19.21	19.31	20.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	19.00	19.30	19.36	20.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	19.20	19.19	19.21	20.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	19.00	19.29	19.18	20.0	0.0
Channel				647000	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.82	3750	3792.51		
15	QPSK	1	1	18.92	19.21	19.18	20.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	19.23	19.16	19.17	20.0	0.0

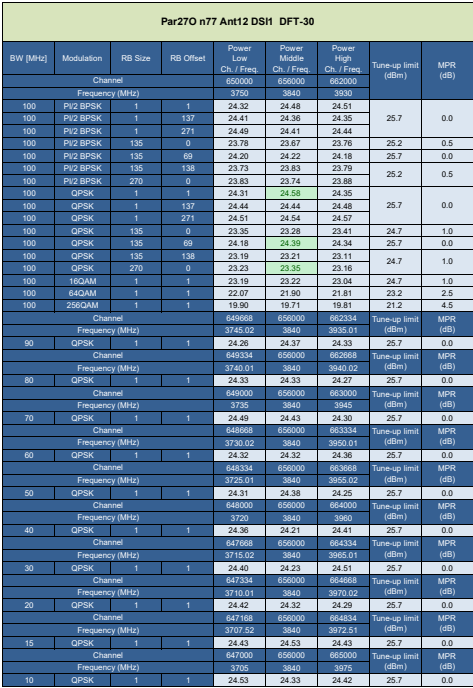
Part27Q 78 Ant10 DSI1 PC2&PC3 DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
100	PI/2 BPSK	1	1	19.31			20.0	0.0
100	PI/2 BPSK	1	137	19.36			20.0	0.0
100	PI/2 BPSK	1	271	19.28				
100	PI/2 BPSK	135	0	19.37			20.0	0.0
100	PI/2 BPSK	135	69	19.23			20.0	0.0
100	PI/2 BPSK	135	138	19.31			20.0	0.0
100	PI/2 BPSK	270	0	19.32			20.0	0.0
100	QPSK	1	1	19.50			20.0	0.0
100	QPSK	1	137	19.30			20.0	0.0
100	QPSK	1	271	19.29				
100	QPSK	135	0	19.32			20.0	0.0
100	QPSK	135	69	19.35			20.0	0.0
100	QPSK	135	138	19.25			20.0	0.0
100	QPSK	270	0	19.27			20.0	0.0
100	16QAM	1	1	19.19			20.0	0.0
100	64QAM	1	1	19.35			20.0	0.0
100	256QAM	1	1	19.49			20.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	123	18.98	19.24	19.18	20.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	109	18.98	19.08	19.37	20.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	95	19.10	18.98	19.19	20.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	19.15	19.27	19.27	20.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	18.92	19.21	19.18	20.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	18.89	19.24	19.19	20.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	39	19.23	19.16	19.17	20.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	19.02	19.01	19.03	20.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	19.19	19.29	19.35	20.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	19.08	19.21	19.31	20.0	0.0

Par27O n77 Ant11 DSH DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	20.7	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	20.13	20.20	20.08		
100	PI/2 BPSK	1	137	20.14	20.20	20.15		
100	PI/2 BPSK	1	271	20.16	20.08	20.13	20.7	0.0
100	PI/2 BPSK	135	0	20.15	20.24	20.05		
100	PI/2 BPSK	135	69	20.23	20.35	20.32		
100	PI/2 BPSK	135	138	20.22	20.20	20.19		
100	PI/2 BPSK	270	0	19.97	20.12	20.20	20.7	0.0
100	QPSK	1	1	20.06	20.27	20.10		
100	QPSK	1	137	20.16	20.23	20.11		
100	QPSK	1	271	20.11	20.01	20.06		
100	QPSK	135	0	20.15	20.24	20.15	20.7	0.0
100	QPSK	135	69	20.17	20.36	20.06		
100	QPSK	135	138	19.96	20.20	20.19		
100	QPSK	270	0	20.10	20.20	20.17		
100	16QAM	1	1	19.95	20.03	20.09	20.7	0.0
100	64QAM	1	1	20.04	20.37	20.09		
100	256QAM	1	1	20.22	20.16	20.06		
Channel				648668	656000	662334	20.7	0.0
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	19.94	20.13	20.03		
Channel				649334	656000	662668	20.7	0.0
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	20.06	20.08	19.89		
Channel				649000	656000	663000	20.7	0.0
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	20.06	20.19	20.00		
Channel				648668	656000	663334	20.7	0.0
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	20.03	20.21	20.00		
Channel				648334	656000	663668	20.7	0.0
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	19.96	20.09	20.05		
Channel				648000	656000	664000	20.7	0.0
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	20.05	20.23	20.04		
Channel				647668	656000	664334	20.7	0.0
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	19.96	20.21	20.01		
Channel				647334	656000	664668	20.7	0.0
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	20.05	20.23	20.06		
Channel				647168	656000	664834	20.7	0.0
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	19.86	20.07	19.99		
Channel				647000	656000	665000	20.7	0.0
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	19.86	20.15	19.93		

Part27Q n77 Ant11 DSH DFT-30								
BW [MHz]	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			20.7	0.0
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	20.12				
100	PI/2 BPSK	1	137	20.09				
100	PI/2 BPSK	1	271	20.07			20.7	0.0
100	PI/2 BPSK	135	0	20.05				
100	PI/2 BPSK	135	69	20.11				
100	PI/2 BPSK	135	138	20.05				
100	PI/2 BPSK	270	0	19.92			20.7	0.0
100	QPSK	1	1	20.26				
100	QPSK	1	137	20.13				
100	QPSK	1	271	20.00				
100	QPSK	135	0	20.03			20.7	0.0
100	QPSK	135	69	20.21				
100	QPSK	135	138	20.14				
100	QPSK	270	0	20.03				
100	16QAM	1	1	19.96			20.7	0.0
100	64QAM	1	1	19.98				
100	256QAM	1	1	20.05				
Channel				633000		633668	20.7	0.0
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	123	19.94	20.22	20.05		
Channel				632668	633334	634000	20.7	0.0
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	109	19.85	20.10	19.95		
Channel				632334	633334	634334	20.7	0.0
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	95	20.08	20.20	19.91		
Channel				632000	633334	634668	20.7	0.0
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	19.91	20.17	20.01		
Channel				631668	633334	635000	20.7	0.0
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	19.86	20.07	19.99		
Channel				631334	633334	635334	20.7	0.0
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	20.02	20.16	20.09		
Channel				631000	633334	635668	20.7	0.0
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	39	19.86	20.15	19.93		
Channel				630668	633334	636000	20.7	0.0
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	19.96	20.21	20.06		
Channel				630500	633334	636168	20.7	0.0
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	20.05	20.23	20.04		
Channel				630334	633334	636334	20.7	0.0
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	20.03	20.21	20.00		

Part270 n78 Ant11 DS11 PC2&PC3 DFT-30								
BW [MHz]	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	22.45			23.0	0.0
100	PI/2 BPSK	1	137	22.52				
100	PI/2 BPSK	1	271	22.42			23.0	0.0
100	PI/2 BPSK	135	0	22.32				
100	PI/2 BPSK	135	69	22.45			23.0	0.0
100	PI/2 BPSK	135	138	22.45			23.0	0.0
100	PI/2 BPSK	270	0	22.43			23.0	0.0
100	QPSK	1	1	22.57			23.0	0.0
100	QPSK	1	137	22.46				
100	QPSK	1	271	22.38			23.0	0.0
100	QPSK	135	0	22.42				
100	QPSK	135	69	22.50			23.0	0.0
100	QPSK	135	138	22.49			23.0	0.0
100	QPSK	270	0	22.53			23.0	0.0
100	16QAM	1	1	22.28			23.0	0.0
100	64QAM	1	1	22.51			23.0	0.0
100	256QAM	1	1	22.01			22.5	0.5
Channel				649668	650000	650334	Tune-up limit (dBm)	
Frequency (MHz)				3745.02	3750	3755.01	MPR (dB)	
90	QPSK	1	1	22.40	22.41	22.50	23.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	
Frequency (MHz)				3740.01	3750	3760.02	MPR (dB)	
80	QPSK	1	1	22.37	22.23	22.41	23.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	
Frequency (MHz)				3735	3750	3765	MPR (dB)	
70	QPSK	1	1	22.47	22.35	22.40	23.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	
Frequency (MHz)				3730.02	3750	3770.01	MPR (dB)	
60	QPSK	1	1	22.38	22.41	22.47	23.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	
Frequency (MHz)				3725.01	3750	3775.02	MPR (dB)	
50	QPSK	1	1	22.43	22.25	22.52	23.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	
Frequency (MHz)				3720	3750	3780	MPR (dB)	
40	QPSK	1	1	22.42	22.26	22.37	23.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	
Frequency (MHz)				3715.02	3750	3785.01	MPR (dB)	
30	QPSK	1	1	22.48	22.33	22.41	23.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	
Frequency (MHz)				3710.01	3750	3790.02	MPR (dB)	
20	QPSK	1	1	22.38	22.24	22.51	23.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	
Frequency (MHz)				3707.52	3750	3792.51	MPR (dB)	
15	QPSK	1	1	22.41	22.27	22.48	23.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	
Frequency (MHz)				3705	3750	3795	MPR (dB)	
10	QPSK	1	1	22.33	22.42	22.30	23.0	0.0

Part27Q n78 Ant11 DS11 PC2&PC3 DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633000				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	22.26				
100	PI/2 BPSK	1	137	22.33			23.0	0.0
100	PI/2 BPSK	1	271	22.28				
100	PI/2 BPSK	135	0	22.33				
100	PI/2 BPSK	135	69	22.37			23.0	0.0
100	PI/2 BPSK	135	138	22.44				
100	PI/2 BPSK	270	0	22.38			23.0	0.0
100	QPSK	1	1	22.59				
100	QPSK	1	137	22.42			23.0	0.0
100	QPSK	1	271	22.18				
100	QPSK	135	0	22.27				
100	QPSK	135	69	22.46			23.0	0.0
100	QPSK	135	138	22.44				
100	QPSK	270	0	22.45			23.0	0.0
100	16QAM	1	1	22.12			23.0	0.0
100	64QAM	1	1	22.31			23.0	0.0
100	256QAM	1	1	21.06			22.5	0.5
Channel				633000	633334	633668	Tune-up limit (dBm)	
Frequency (MHz)				3495	3500.01	3505.02	MPR (dB)	
90	QPSK	1	123	22.31	22.32	22.37	23.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	
Frequency (MHz)				3490.02	3500.01	3510	MPR (dB)	
80	QPSK	1	109	22.46	22.33	22.46	23.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	
Frequency (MHz)				3485.01	3500.01	3515.01	MPR (dB)	
70	QPSK	1	95	22.39	22.32	22.33	23.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	
Frequency (MHz)				3480	3500.01	3520.02	MPR (dB)	
60	QPSK	1	81	22.35	22.20	22.41	23.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	
Frequency (MHz)				3475.02	3500.01	3525	MPR (dB)	
50	QPSK	1	67	22.41	22.27	22.48	23.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	
Frequency (MHz)				3470.01	3500.01	3530.01	MPR (dB)	
40	QPSK	1	53	22.47	22.36	22.42	23.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	
Frequency (MHz)				3465	3500.01	3535.02	MPR (dB)	
30	QPSK	1	39	22.32	22.24	22.50	23.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	
Frequency (MHz)				3460.02	3500.01	3540	MPR (dB)	
20	QPSK	1	26	22.33	22.42	22.30	23.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	
Frequency (MHz)				3457.5	3500.01	3542.52	MPR (dB)	
15	QPSK	1	1	22.43	22.25	22.52	23.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	
Frequency (MHz)				3455.01	3500.01	3545.01	MPR (dB)	
10	QPSK	1	1	22.47	22.35	22.40	23.0	0.0



Part2/Q7 n77 Ant12 DSH DFT-30								
BW [MHz]	Modulation	RS Size	RS Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				63300.1	63000.1			
100	P12 BPSK	1	1	24.45				
100	P12 BPSK	1	137	24.20			25.7	0.0
100	P12 BPSK	1	281	24.20				
100	P12 BPSK	135	0	23.68				
100	P12 BPSK	135	69	24.16			25.7	0.0
100	P12 BPSK	135	138	23.65				
100	P12 BPSK	270	0	23.65			25.2	0.5
100	QPSK	1	1	24.63				
100	QPSK	1	137	24.50			25.7	0.0
100	QPSK	1	271	24.53				
100	QPSK	135	0	23.20				
100	QPSK	135	69	23.68			25.7	0.0
100	QPSK	135	138	23.31				
100	QPSK	270	0	23.29			24.7	1.0
100	16QAM	1	1	23.26			24.7	0
100	64QAM	1	1	21.92			23.2	2.5
100	256QAM	1	1	19.65			21.2	4.5
Channel								
Frequency (MHz)				63300.0	63333.4	63366.8	Turn-up limit (dBm)	MPR (dB)
90	QPSK	1	123	24.42	35000.1	3502.0	25.7	0.0
Channel								
Frequency (MHz)				36266.8	63333.4	63460.0	Turn-up limit (dBm)	MPR (dB)
80	QPSK	1	109	24.00	3500.0	3510	25.7	0.0
Channel								
Frequency (MHz)				36233.3	63333.4	63425.0	Turn-up limit (dBm)	MPR (dB)
70	QPSK	1	95	24.41	3500.1	3515.0	25.7	0.0
Channel								
Frequency (MHz)				36200.0	63333.4	63466.6	Turn-up limit (dBm)	MPR (dB)
60	QPSK	1	81	24.40	3500.1	3520.0	25.7	0.0
Channel								
Frequency (MHz)				36166.8	63333.4	63500.0	Turn-up limit (dBm)	MPR (dB)
50	QPSK	1	67	24.40	3500.1	3525	25.7	0.0
Channel								
Frequency (MHz)				36133.3	63333.4	63533.4	Turn-up limit (dBm)	MPR (dB)
40	QPSK	1	53	24.43	3500.1	3530.0	25.7	0.0
Channel								
Frequency (MHz)				36100.0	63333.4	63566.6	Turn-up limit (dBm)	MPR (dB)
30	QPSK	1	39	24.34	3500.1	3536.0	25.7	0.0
Channel								
Frequency (MHz)				36066.8	63333.4	63600.0	Turn-up limit (dBm)	MPR (dB)
20	QPSK	1	26	24.02	3500.1	3540	25.7	0.0
Channel								
Frequency (MHz)				36033.3	63333.4	63633.3	Turn-up limit (dBm)	MPR (dB)
15	QPSK	1	1	24.57	3500.1	3542.52	25.7	0.0
Channel								
Frequency (MHz)				36000.0	63333.4	63666.6	Turn-up limit (dBm)	MPR (dB)
10	QPSK	1	1	24.44	3500.1	3545.0	25.7	0.0
Channel								
Frequency (MHz)				35966.8	63333.4	63700.0	Turn-up limit (dBm)	MPR (dB)
5	QPSK	1	1	24.44	3500.1	3545.0	25.7	0.0

Part270 n78 Ant12 DSI3 PCH DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 650000	Power Middle Ch. Freq. 650000	Power High Ch. Freq. 650000	Turn-up limit (dbm)	MPR (db)	
Channel									
Frequency (MHz)				3750	3750	3750			
100	P2/BPSK	1	1	23.05			24.0	0.0	
100	P2/BPSK	1	137	22.91					
100	P2/BPSK	1	271	22.91					
100	P2/BPSK	135	0	22.53			23.5	0.5	
100	P2/BPSK	135	69	22.91			24.0	0.5	
100	P2/BPSK	135	138	22.56			23.5	0.5	
100	P2/BPSK	270	0	22.51					
100	QPSK	1	1	23.10					
100	QPSK	1	137	22.99			24.0	0.0	
100	QPSK	1	271	23.08					
100	QPSK	135	0	21.94			23.0	1.0	
100	QPSK	135	69	22.91			24.0	0.5	
100	QPSK	135	138	21.84			23.0	1.0	
100	QPSK	270	0	22.07			23.0	1.0	
100	16QAM	1	1	22.05			23.0	1.0	
100	64QAM	1	1	21.85			21.5	2.5	
100	256QAM	1	1	18.51			19.5	4.5	
Channel									
Frequency (MHz)				648688	650000	650334	Turn-up limit (dbm)	MPR (db)	
				3743.02	3750	3768.01			
90	QPSK	1	1	23.00	23.01	22.98	24.0	0.0	
Channel									
Frequency (MHz)				648334	650000	650688	Turn-up limit (dbm)	MPR (db)	
				3760.01	3750	3760.02			
80	QPSK	1	1	23.03	23.00	23.05	24.0	0.0	
Channel									
Frequency (MHz)				648000	650000	651334	Turn-up limit (dbm)	MPR (db)	
				3768.02	3750	3768.01			
70	QPSK	1	1	22.96	23.03	22.97	24.0	0.0	
Channel									
Frequency (MHz)				648688	650000	651334	Turn-up limit (dbm)	MPR (db)	
				3760.02	3750	3768.01			
60	QPSK	1	1	23.03	22.98	23.03	24.0	0.0	
Channel									
Frequency (MHz)				648334	650000	651688	Turn-up limit (dbm)	MPR (db)	
				3725.01	3750	3775.02			
50	QPSK	1	1	22.95	22.95	23.03	24.0	0.0	
Channel									
Frequency (MHz)				648000	650000	652000	Turn-up limit (dbm)	MPR (db)	
				3760	3750	3780			
40	QPSK	1	1	23.04	23.00	23.01	24.0	0.0	
Channel									
Frequency (MHz)				647688	650000	652334	Turn-up limit (dbm)	MPR (db)	
				3784.02	3750	3784.01			
30	QPSK	1	1	22.95	22.94	22.97	24.0	0.0	
Channel									
Frequency (MHz)				647334	650000	652688	Turn-up limit (dbm)	MPR (db)	
				3710.01	3750	3780.02			
20	QPSK	1	1	23.01	22.97	23.05	24.0	0.0	
Channel									
Frequency (MHz)				647168	650000	652834	Turn-up limit (dbm)	MPR (db)	
				3707.02	3750	3792.01			
15	QPSK	1	1	22.96	23.03	22.97	24.0	0.0	
Channel									
Frequency (MHz)				647000	650000	653000	Turn-up limit (dbm)	MPR (db)	
				3705	3750	3795			
10	QPSK	1	1	22.95	22.95	23.03	24.0	0.0	



Part27Q 78 Ant12 DSH PC3 DFT-30									
BW [MHz]	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)				3500.01					
100	PI2 BPSK	1	1		23.27		24.0	0.0	
100	PI2 BPSK	1	137		23.01				
100	PI2 BPSK	1	271		23.14				
100	PI2 BPSK	135	0		22.70		24.0	0.0	
100	PI2 BPSK	135	69		23.08				
100	PI2 BPSK	135	138		22.73				
100	PI2 BPSK	270	0		22.61		23.5	0.5	
100	QPSK	1	1		23.25				
100	QPSK	1	137		23.15				
100	QPSK	1	271		23.26		24.0	0.0	
100	QPSK	135	0		22.04				
100	QPSK	135	69		23.16				
100	QPSK	135	138		22.09		23.0	1.0	
100	QPSK	270	0		22.25				
100	16QAM	1	1		22.19		23.0	1.0	
100	64QAM	1	1		20.80		21.5	2.5	
100	256QAM	1	1		19.62		19.5	4.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (db)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	123		23.23	23.19	23.13	24.0	0.0
Channel				632666	633334	634000	Tune-up limit (dBm)	MPR (db)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109		23.16	23.22	23.17	24.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (db)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	95		23.21	23.17	23.23	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (db)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	81		23.23	23.15	23.18	24.0	0.0
Channel				631666	633334	635000	Tune-up limit (dBm)	MPR (db)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67		23.19	23.20	23.14	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (db)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53		23.21	23.12	23.20	24.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (db)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	39		23.17	23.18	23.19	24.0	0.0
Channel				630666	633334	636000	Tune-up limit (dBm)	MPR (db)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26		23.17	23.13	23.16	24.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (db)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1		23.21	23.17	23.23	24.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (db)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1		23.21	23.12	23.14	24.0	0.0

Part27O n78 Ant12 DS11 PC2 DFT-30									
BW [MHz]	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	3750	3750			
Frequency (MHz)					3750	3750			
100	PI2 BPSK	1	1		25.18		27.0	0.0	
100	PI2 BPSK	1	137		25.01				
100	PI2 BPSK	1	271		25.13				
100	PI2 BPSK	135	0		24.60		26.5	0.5	
100	PI2 BPSK	135	69		25.03		27.0	0.0	
100	PI2 BPSK	135	138		24.64		26.5	0.5	
100	PI2 BPSK	270	0		24.65		27.0	0.0	
100	QPSK	1	1		25.23				
100	QPSK	1	137		25.08				
100	QPSK	1	271		25.15		26.0	1.0	
100	QPSK	135	0		24.03		26.0	1.0	
100	QPSK	135	69		25.10		27.0	0.0	
100	QPSK	135	138		24.07		26.0	1.0	
100	QPSK	270	0		24.18		26.0	1.0	
100	16QAM	1	1		24.10		26.0	1.0	
100	64QAM	1	1		22.73		24.5	2.5	
100	256QAM	1	1		20.60		22.5	4.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		25.09	24.95	25.05	27.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		25.12	25.05	24.92	27.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		24.95	24.95	24.86	27.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		24.90	25.02	25.04	27.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		25.21	24.93	25.06	27.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		25.10	24.84	24.93	27.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		25.08	25.13	24.99	27.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		24.96	24.79	25.07	27.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		25.03	25.07	25.05	27.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		25.12	25.02	25.13	27.0	0.0

Part27Q 78 Ant12 DS11 PC2 DFT-30									
BW [MHz]	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)				3500.01					
100	PI2 BPSK	1	1		25.03		27.0	0.0	
100	PI2 BPSK	1	137		25.11				
100	PI2 BPSK	1	271		25.08				
100	PI2 BPSK	135	0		24.60		27.0	0.0	
100	PI2 BPSK	135	69		25.14				
100	PI2 BPSK	135	138		24.71				
100	PI2 BPSK	270	0		24.67		26.5	0.5	
100	QPSK	1	1		25.27		28.0	0.0	
100	QPSK	1	137		25.20				
100	QPSK	1	271		25.03				
100	QPSK	135	0		24.13		27.0	0.0	
100	QPSK	135	69		25.08				
100	QPSK	135	138		24.19				
100	QPSK	270	0		24.01		26.0	1.0	
100	16QAM	1	1		24.11		26.0	1.0	
100	64QAM	1	1		22.89		24.5	2.5	
100	256QAM	1	1		20.51		22.5	4.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	123		25.22	24.96	25.02	27.0	0.0
Channel				632666	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109		25.01	25.06	24.99	27.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	95		25.01	24.95	24.87	27.0	0.0
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.01	3500.01	3525.01			
60	QPSK	1	81		25.03	25.07	25.05	27.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67		25.16	24.80	25.00	27.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53		25.08	24.97	25.02	27.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	6358.02			
30	QPSK	1	39		25.12	25.02	24.89	27.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3520			
20	QPSK	1	26		24.84	24.80	24.92	27.0	0.0
Channel				630330	633334	636368	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3458	3500	3543			
15	QPSK	1	1		25.21	25.13	25.06	27.0	0.0
Channel				630333	633334	636333	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	1		25.10	25.13	25.07	27.0	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				60000	60000	60000		
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	25.04	25.10	25.11	25.7	0.0
100	PI2 BPSK	1	137	25.04	25.07	25.09		
100	PI2 BPSK	1	271	24.91	24.90	24.96		
100	PI2 BPSK	135	0	24.48	24.48	24.57	25.2	0.5
100	PI2 BPSK	135	69	25.01	24.94	24.98	25.7	0.0
100	PI2 BPSK	135	138	24.29	24.29	24.25	25.2	0.5
100	PI2 BPSK	270	0	24.58	24.49	24.53		
100	QPSK	1	1	25.04	25.12	25.07		
100	QPSK	1	137	24.98	25.08	25.08	25.7	0.0
100	QPSK	1	271	24.90	24.88	24.94	24.7	1.0
100	QPSK	135	0	24.03	23.97	24.05		
100	QPSK	135	69	25.08	25.11	25.01		
100	QPSK	135	138	23.89	23.94	23.93	24.7	1.0
100	QPSK	270	0	24.01	24.04	23.98	23.2	2.5
100	16QAM	1	1	23.88	23.92	23.91		
100	64QAM	1	1	22.68	22.68	22.66		
100	256QAM	1	1	20.54	20.55	20.02	21.2	4.5
Channel				64968	65000	65034	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	24.85	25.08	25.05	25.7	0.0
Channel				63334	63334	63368	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	24.96	24.96	24.86	25.7	0.0
Channel				64900	65000	65100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3724	3840	3946		
70	QPSK	1	1	24.83	24.93	24.89	25.7	0.0
Channel				64868	65000	65034	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	25.04	25.10	25.02	25.7	0.0
Channel				63334	63334	63368	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	24.84	24.97	25.11	25.7	0.0
Channel				64900	65000	65100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	25.02	25.10	25.04	25.7	0.0
Channel				64768	65000	65034	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	24.98	25.08	24.94	25.7	0.0
Channel				63334	63334	63368	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	24.92	25.03	24.92	25.7	0.0
Channel				64718	65000	65034	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	24.43	24.53	24.43	25.7	0.0
Channel				64700	65000	65000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	24.53	24.33	24.42	25.7	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				63334	63334	63000		
Frequency (MHz)								
100	PI2 BPSK	1	1		24.95	25.11	25.7	0.0
100	PI2 BPSK	1	137		25.14			
100	PI2 BPSK	1	271		24.90			
100	PI2 BPSK	135	0		24.49		25.7	0.0
100	PI2 BPSK	135	69		25.08			
100	PI2 BPSK	135	138		24.46			
100	PI2 BPSK	270	0		24.30		25.2	0.5
100	QPSK	1	1		25.30		25.7	0.0
100	QPSK	1	137		25.08		25.7	0.0
100	QPSK	1	271		24.90			
100	QPSK	135	0		24.08			
100	QPSK	135	69		24.03		24.7	1.0
100	QPSK	135	138		23.80			
100	QPSK	270	0		24.11			
100	16QAM	1	1		23.89		24.7	1.0
100	64QAM	1	1		22.42		23.2	2.5
100	256QAM	1	1		20.55		21.2	4.5
Channel				63300	63334	63368	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	123	24.92	25.01	25.21	25.7	0.0
Channel				63300	63334	63368	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	109	24.83	24.88	25.05	25.7	0.0
Channel				63234	63334	63434	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	85	24.79	25.07	24.94	25.7	0.0
Channel				63200	63334	63468	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	25.18	25.13	24.87	25.7	0.0
Channel				63168	63334	63500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	24.72	24.87	24.94	25.7	0.0
Channel				63134	63334	63534	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	24.85	24.94	25.23	25.7	0.0
Channel				63100	63334	63568	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	39	24.98	24.96	25.00	25.7	0.0
Channel				63068	63334	63600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	25.14	25.25	25.05	25.7	0.0
Channel				63000	63334	63618	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.52	3500.01	3542.52		
15	QPSK	1	1	24.42	24.37	24.24	25.7	0.0
Channel				63034	63334	63634	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	24.44	24.45	24.33	25.7	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				65000	65000	65000		
Frequency (MHz)				3750	3750	3750		
100	PI2 BPSK	1	1		22.94		24.0	0.0
100	PI2 BPSK	1	137		22.87			
100	PI2 BPSK	1	271		22.71			
100	PI2 BPSK	135	0		22.38		23.5	0.5
100	PI2 BPSK	135	69		22.79		24.0	0.0
100	PI2 BPSK	135	138		22.38		23.5	0.5
100	PI2 BPSK	270	0		22.45			
100	QPSK	1	1		23.22			
100	QPSK	1	137		23.18		24.0	0.0
100	QPSK	1	271		22.93		23.0	1.0
100	QPSK	135	0		21.94			
100	QPSK	135	69		23.01			
100	QPSK	135	138		21.89		23.0	1.0
100	QPSK	270	0		21.82		19.5	4.5
100	16QAM	1	1		21.87			
100	64QAM	1	1		20.37			
100	256QAM	1	1		18.49			
Channel				64968	65000	65034	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	23.13	23.08	23.07	24.0	0.0
Channel				64934	65000	65068	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	23.17	23.13	23.13	24.0	0.0
Channel				64900	65000	65100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	23.10	23.07	23.13	24.0	0.0
Channel				64868	65000	65134	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	23.08	23.17	23.09	24.0	0.0
Channel				64834	65000	65168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	23.14	23.19	23.14	24.0	0.0
Channel				64800	65000	65200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	23.08	23.15	23.10	24.0	0.0
Channel				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	23.12	23.17	23.07	24.0	0.0
Channel				64734	65000	65268	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	23.17	23.19	23.11	24.0	0.0
Channel				64718	65000	65284	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	22.98	23.03	22.97	24.0	0.0
Channel				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	22.95	22.95	23.03	24.0	0.0



Part27Q n78 Ant13 DSH PC3 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334		633334			
Frequency (MHz)				3600.01					
100	PI2 BPSK	1	1		22.88		24.0	0.0	
100	PI2 BPSK	1	137		23.27				
100	PI2 BPSK	1	271		23.08				
100	PI2 BPSK	135	0		22.80				
100	PI2 BPSK	135	69		22.91		24.0	0.0	
100	PI2 BPSK	135	138		22.27		23.5	0.5	
100	PI2 BPSK	270	0		22.28				
100	QPSK	1	1		23.55		24.0	0.0	
100	QPSK	1	137		23.45				
100	QPSK	1	271		22.99				
100	QPSK	135	0		22.38				
100	QPSK	135	69		23.17		24.0	0.0	
100	QPSK	135	138		21.87		23.0	1.0	
100	QPSK	270	0		21.89				
100	16QAM	1	1		21.65		23.0	1.0	
100	64QAM	1	1		20.55		21.5	2.5	
100	256QAM	1	1		19.55		19.5	4.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	123		23.36	23.36	23.41	24.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109		23.41	23.36	23.37	24.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	95		23.37	23.32	23.33	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	81		23.38	23.38	23.31	24.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67		23.33	23.40	23.40	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53		23.32	23.32	23.38	24.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	39		23.36	23.37	23.33	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26		23.35	23.29	23.32	24.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1		23.21	23.17	23.23	24.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1		23.21	23.12	23.10	24.0	0.0

Part27O n78 Ant13 DSH PC2 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000		650000			
Frequency (MHz)				3750		3750			
100	PI2 BPSK	1	1		25.83		27.0	0.0	
100	PI2 BPSK	1	137		25.81				
100	PI2 BPSK	1	271		25.62				
100	PI2 BPSK	135	0		25.31				
100	PI2 BPSK	135	69		25.70		26.5	0.5	
100	PI2 BPSK	135	138		25.24		27.0	0.0	
100	PI2 BPSK	270	0		25.28				
100	QPSK	1	1		25.10		27.0	0.0	
100	QPSK	1	137		26.02				
100	QPSK	1	271		25.78				
100	QPSK	135	0		24.89				
100	QPSK	135	69		25.69		26.0	1.0	
100	QPSK	135	138		24.80		26.0	1.0	
100	QPSK	270	0		24.75				
100	16QAM	1	1		24.62		26.0	1.0	
100	64QAM	1	1		23.22		24.5	2.5	
100	256QAM	1	1		21.41		22.5	4.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		25.83	25.82	25.88	27.0	0.0
Channel				649334	650000	650568	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		25.83	25.85	25.98	27.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		25.80	25.98	25.99	27.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		25.88	25.92	25.83	27.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		25.92	25.89	25.86	27.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		25.98	25.91	25.97	27.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		25.80	25.87	25.88	27.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		25.83	25.89	25.98	27.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		25.03	25.07	25.05	27.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		25.12	25.02	25.13	27.0	0.0

Part27Q 78 n78 Ant13 DSH PC2 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334		633334			
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1		25.73		27.0	0.0	
100	PI2 BPSK	1	137		26.02				
100	PI2 BPSK	1	271		25.84				
100	PI2 BPSK	135	0		25.54				
100	PI2 BPSK	135	69		25.68		27.0	0.0	
100	PI2 BPSK	135	138		25.10				
100	PI2 BPSK	270	0		25.09		26.5	0.5	
100	QPSK	1	1		25.87				
100	QPSK	1	137		26.20		27.0	0.0	
100	QPSK	1	271		25.76				
100	QPSK	135	0		25.15				
100	QPSK	135	69		25.94				
100	QPSK	135	138		24.72		26.0	1.0	
100	QPSK	270	0		24.72				
100	16QAM	1	1		24.48		26.0	1.0	
100	64QAM	1	1		23.34		24.5	2.5	
100	256QAM	1	1		21.38		22.5	4.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	123		25.85	25.84	25.84	27.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109		25.80	25.92	25.88	27.0	



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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167600	25.5	0.0
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	24.99	25.01	24.80		
20	PI2 BPSK	1	53	25.06	25.07	24.90		
20	PI2 BPSK	1	104	24.74	24.98	24.95	25.0	0.5
20	PI2 BPSK	50	0	24.55	24.53	24.43		
20	PI2 BPSK	50	26	24.92	25.06	24.85		
20	PI2 BPSK	50	56	24.46	24.49	24.36		
20	PI2 BPSK	100	0	24.46	24.47	24.26	25.0	0.5
20	QPSK	1	1	24.99	25.20	25.15		
20	QPSK	1	53	25.09	25.15	25.08		
20	QPSK	1	104	24.97	25.13	25.06		
20	QPSK	50	0	23.94	24.09	23.97	24.5	1.0
20	QPSK	50	26	25.13	25.17	25.08		
20	QPSK	50	56	23.93	24.05	23.94		
20	QPSK	100	0	23.89	24.06	23.88		
20	16QAM	1	1	23.90	23.97	23.80	24.5	1.0
20	64QAM	1	1	22.36	22.43	22.37		
20	256QAM	1	1	20.26	20.40	20.20		
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5	25.5	0.0
15	QPSK	1	1	25.17	25.14	25.11		
Channel				165200	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844	25.5	0.0
10	QPSK	1	1	25.19	25.10	25.12		
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.5	836.5	848.5	26.5	0.0
5	QPSK	1	1	25.08	25.16	25.02		

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000	23.5	0.0
Frequency (MHz)				2620	2635	2650		
40	PI2 BPSK	1	1	22.62	22.60	22.59		
40	PI2 BPSK	1	108	22.55	22.63	22.64		
40	PI2 BPSK	1	214	22.56	22.59	22.59	23.5	0.0
40	PI2 BPSK	108	0	22.49	22.64	22.52		
40	PI2 BPSK	108	54	22.58	22.59	22.51		
40	PI2 BPSK	108	108	22.63	22.61	22.62		
40	PI2 BPSK	216	0	22.52	22.63	22.56	23.5	0.0
40	QPSK	1	1	22.51	22.61	22.60		
40	QPSK	1	108	22.55	22.65	22.61		
40	QPSK	1	214	22.57	22.63	22.53		
40	QPSK	108	0	22.48	22.58	22.59	24.5	-1.0
40	QPSK	108	54	22.47	22.60	22.54		
40	QPSK	108	108	22.46	22.55	22.55		
40	QPSK	216	0	22.51	22.54	22.49		
40	16QAM	1	1	22.50	22.66	22.60	23.5	0.0
40	64QAM	1	1	21.27	21.24	21.29		
40	256QAM	1	1	19.13	19.10	19.17		
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2615	2635	2655	23.5	0.0
30	QPSK	1	1	22.41	22.54	22.38		
Channel				503500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2612.5	2635	2657.5	23.5	0.0
25	QPSK	1	1	22.62	22.56	22.56		
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2610	2635	2660	23.5	0.0
20	QPSK	1	1	22.41	22.39	22.44		
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2607.5	2635	2662.5	23.5	0.0
15	QPSK	1	1	22.42	22.55	22.65		
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2605	2635	2668	23.5	0.0
10	QPSK	1	1	22.51	22.55	22.63		
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2602.5	2635	2670.5	23.5	0.0
5	QPSK	1	1	22.48	22.50	22.50		

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000	24.5	0.0
Frequency (MHz)				1730	1745	1760		
40	PI2 BPSK	1	1	22.70	22.75	22.77		
40	PI2 BPSK	1	108	22.90	22.93	22.89		
40	PI2 BPSK	1	214	22.81	22.81	22.83	22.24	0.5
40	PI2 BPSK	108	0	22.34	22.28	22.24		
40	PI2 BPSK	108	54	22.84	22.87	22.83		
40	PI2 BPSK	108	108	22.46	22.40	22.40		
40	PI2 BPSK	216	0	22.43	22.41	22.46	24.0	0.5
40	QPSK	1	1	22.91	23.85	22.85		
40	QPSK	1	108	22.94	22.92	22.93		
40	QPSK	1	214	22.89	22.90	22.86		
40	QPSK	108	0	21.90	21.85	21.87	23.5	1.0
40	QPSK	108	54	22.86	22.91	22.80		
40	QPSK	108	108	21.92	21.92	21.97		
40	QPSK	216	0	21.91	21.99	21.95		
40	16QAM	1	1	22.08	22.07	22.03	23.5	1.0
40	64QAM	1	1	20.96	20.95	20.92		
40	256QAM	1	1	18.17	18.10	18.07		
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765	24.5	0.0
30	QPSK	1	1	22.72	22.71	22.74		
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770	24.5	0.0
20	QPSK	1	1	22.75	22.81	22.84		
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5	24.5	0.0
15	QPSK	1	1	22.76	22.70	22.75		
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775	24.5	0.0
10	QPSK	1	1	22.67	22.76	22.83		
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	24.5	0.0
5	QPSK	1	1	22.76	22.75	22.86		

n38 Ant0 DS13 DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996	22.5	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	20.95	20.88	20.87	22.5	0.0
40	PI/2 BPSK	1	53	20.79	20.86	20.95		
40	PI/2 BPSK	1	104	20.92	20.95	20.90		
40	PI/2 BPSK	50	0	20.14	20.16	20.12		
40	PI/2 BPSK	50	28	20.96	20.96	20.96	22.5	0.0
40	PI/2 BPSK	50	58	20.56	20.58	20.55	22.0	0.5
40	PI/2 BPSK	100	0	20.32	20.29	20.32		
40	QPSK	1	1	20.96	20.99	20.86	22.5	0.0
40	QPSK	1	53	20.98	20.95	20.92		
40	QPSK	1	104	20.88	20.86	20.89		
40	QPSK	50	0	19.58	19.53	19.51		
40	QPSK	50	28	20.70	20.73	20.69	22.5	0.0
40	QPSK	50	58	20.07	20.07	20.05	21.5	1.0
40	QPSK	100	0	19.66	19.68	19.76		
40	16QAM	1	1	19.88	19.92	19.87	21.5	1.0
40	64QAM	1	1	18.48	18.51	18.57	20.0	2.5
40	256QAM	1	1	16.63	16.60	16.59	18.0	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	20.83	20.86	20.76	22.5	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	20.90	20.96	20.92	22.5	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	PI/2 BPSK	1	1	20.92	20.85	20.87	22.5	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	PI/2 BPSK	1	1	20.85	20.95	20.89	22.5	0.0

n41 Ant0 DS13 DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	22.5	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	20.86	20.88	20.90	22.5	0.0
100	PI/2 BPSK	1	137	20.91	20.89	20.96		
100	PI/2 BPSK	1	271	20.58	20.54	20.56		
100	PI/2 BPSK	135	0	20.30	20.29	20.29		
100	PI/2 BPSK	135	69	20.91	20.92	20.96	22.5	0.0
100	PI/2 BPSK	135	138	20.61	20.56	20.56	22.0	0.5
100	PI/2 BPSK	270	0	20.31	20.29	20.33		
100	QPSK	1	1	20.97	21.00	20.98	22.5	0.0
100	QPSK	1	137	20.92	20.93	20.99		
100	QPSK	1	271	20.65	20.58	20.63		
100	QPSK	135	0	19.81	19.74	19.81		
100	QPSK	135	69	20.75	20.81	20.76	22.5	0.0
100	QPSK	135	138	20.14	20.08	20.04	21.5	1.0
100	QPSK	270	0	19.76	19.77	19.74		
100	16QAM	1	1	19.72	19.72	19.75	21.5	1.0
100	64QAM	1	1	18.31	18.26	18.24	20.0	2.5
100	256QAM	1	1	16.82	16.83	16.83	18.0	4.5
Channel				508200	518598	528998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	20.03	20.89	20.93	22.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	20.01	20.89	20.90	22.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	20.89	20.84	20.88	22.5	0.0
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	20.92	20.85	20.87	22.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	20.82	20.93	20.95	22.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	20.86	20.89	20.87	22.5	0.0
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	20.85	20.95	20.89	22.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	20.88	20.91	20.85	22.5	0.0

n7 Ant3 DS13 DFT-15								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	21.36	21.26	21.23	22.0	0.0
40	PI/2 BPSK	1	108	21.40	21.30	21.35		
40	PI/2 BPSK	1	214	21.15	21.26	21.34		
40	PI/2 BPSK	108	0	21.28	21.32	21.34	22.0	0.0
40	PI/2 BPSK	108	54	21.16	21.18	21.17	22.0	0.0
40	PI/2 BPSK	108	108	21.09	21.19	21.22	22.0	0.0
40	PI/2 BPSK	216	0	21.37	21.26	21.35		
40	QPSK	1	1	21.46	21.47	21.31	22.0	0.0
40	QPSK	1	108	21.41	21.29	21.19		
40	QPSK	1	214	21.31	21.27	21.26		
40	QPSK	108	0	21.27	21.36	21.31		
40	QPSK	108	54	21.26	21.15	21.11	22.0	0.0
40	QPSK	108	108	21.19	21.22	21.32	22.0	0.0
40	QPSK	216	0	21.12	21.26	21.24		
40	16QAM	1	1	21.34	21.35	21.39	22.0	0.0
40	64QAM	1	1	20.95	20.96	20.90	21.5	0.5
40	256QAM	1	1	18.72	18.74	18.75	19.5	2.5
Channel				503000	507000	511000		
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	21.29	21.31	21.24	22.0	0.0
Channel				502500	507000	511500		
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	21.24	21.18	21.22	22.0	0.0
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	21.33	21.37	21.11	22.0	0.0
Channel				501500	507000	512500		
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	21.15	21.05	21.21	22.0	0.0
Channel				501000	507000	513000		
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	21.22	21.19	21.24	22.0	0.0
Channel				500500	507000	513500		
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	21.37	21.11	21.18	22.0	0.0

n66 Ant3 DS13 DFT-15								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	21.73	21.81	21.84	23.0	0.0
40	PI/2 BPSK	1	108	21.79	21.73	21.61		
40	PI/2 BPSK	1	214	21.67	21.75	21.68		
40	PI/2 BPSK	108	0	21.68	21.67	21.61	23.0	0.0
40	PI/2 BPSK	108	54	21.77	21.72	21.78	23.0	0.0
40	PI/2 BPSK	108	108	21.63	21.72	21.70	23.0	0.0
40	PI/2 BPSK	216	0	21.83	21.81	21.72		
40	QPSK	1	1	21.76	21.85	21.83	23.0	0.0
40	QPSK	1	108	21.70	21.73	21.72		
40	QPSK	1	214	21.62	21.72	21.64		
40	QPSK	108	0	21.80	21.79	21.75	23.0	0.0
40	QPSK	108	54	21.73	21.82	21.63	23.0	0.0
40	QPSK	108	108	21.81	21.77	21.80	23.0	0.0
40	QPSK	216	0	21.71	21.74	21.68		
40	16QAM	1	1	21.82	21.84	21.70	23.0	0.0
40	64QAM	1	1	20.40	20.46	20.42	21.5	1.5
40	256QAM	1	1	18.37	18.25	18.24	19.5	3.5
Channel				345000	349000	353000	Tune-up limit	MPR
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)
30	QPSK	1	1	21.57	21.61	21.71	23.0	0.0
Channel				344000	349000	354000	Tune-up limit	MPR
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)
20	QPSK	1	1	21.56	21.73	21.63	23.0	0.0
Channel				343500	349000	354500	Tune-up limit	MPR
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)
15	QPSK	1	1	21.59	21.76	21.72	23.0	0.0
Channel				343000	349000	355000	Tune-up limit	MPR
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)
10	QPSK	1	1	21.74	21.81	21.65	23.0	0.0
Channel				342500	349000	355500	Tune-up limit	MPR
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)
5	QPSK	1	1	21.70	21.66	21.79	23.0	0.0

n38 Ant3 DS13 DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996	22.0	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	20.93	20.84	20.88	22.0	0.0
40	PI/2 BPSK	1	53	20.95	20.86	20.94		
40	PI/2 BPSK	1	104	20.76	20.84	20.90	22.0	0.0
40	PI/2 BPSK	50	0	20.97	20.88	20.80		
40	PI/2 BPSK	50	28	20.80	20.80	20.71	22.0	0.0
40	PI/2 BPSK	50	58	20.66	20.77	20.69		
40	PI/2 BPSK	100	0	20.86	20.82	20.74	22.0	0.0
40	QPSK	1	1	20.86	20.98	20.96		
40	QPSK	1	53	20.94	20.95	20.86	22.0	0.0
40	QPSK	1	104	20.88	20.92	20.83		
40	QPSK	50	0	20.79	20.86	20.80	22.0	0.0
40	QPSK	50	28	20.74	20.91	20.73		
40	QPSK	50	58	20.81	20.74	20.75	22.0	0.0
40	QPSK	100	0	20.81	20.90	20.88		
40	16QAM	1	1	20.70	20.70	20.73	22.0	0.0
40	64QAM	1	1	20.50	20.57	20.48		
40	256QAM	1	1	18.60	18.63	18.62	19.5	2.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99	22.0	0.0
30	QPSK	1	1	20.96	20.86	20.83	22.0	0.0
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	20.77	20.70	20.63	22.0	0.0
Channel				515502	519000	522498		
Frequency (MHz)				2577.51	2595	2612.49	Tune-up limit (dBm)	MPR (dB)
15	PI/2 BPSK	1	1	20.90	20.70	20.83	22.0	0.0
Channel				515004	519000	522996		
Frequency (MHz)				2575.02	2595	2614.98	Tune-up limit (dBm)	MPR (dB)
10	PI/2 BPSK	1	1	20.77	20.79	20.68	22.0	0.0

n41 Ant3 DS13 DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	22.0	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	21.05	20.78	20.90	22.0	0.0
100	PI/2 BPSK	1	137	20.85	20.87	20.74		
100	PI/2 BPSK	1	271	20.97	20.74	20.90	22.0	0.0
100	PI/2 BPSK	135	0	20.61	20.70	20.81		
100	PI/2 BPSK	135	69	20.92	20.74	20.94	22.0	0.0
100	PI/2 BPSK	135	138	20.77	20.93	20.92		
100	PI/2 BPSK	270	0	20.81	20.78	20.89	22.0	0.0
100	QPSK	1	1	20.88	21.06	21.05		
100	QPSK	1	137	20.76	20.92	20.88	22.0	0.0
100	QPSK	1	271	20.50	20.54	20.56		
100	QPSK	135	0	20.78	20.91	20.73	22.0	0.0
100	QPSK	135	69	20.79	20.93	20.90		
100	QPSK	135	138	20.77	20.90	20.80	22.0	0.0
100	QPSK	270	0	20.80	20.88	20.81		
100	16QAM	1	1	20.76	20.96	21.03	22.0	0.0
100	64QAM	1	1	20.08	20.13	20.16		
100	256QAM	1	1	18.50	18.57	18.33	19.5	2.5
Channel				509200	518598	528998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98	22.0	0.0
90	QPSK	1	1	20.86	20.77	20.74	22.0	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	20.96	20.66	20.68	22.0	0.0
Channel				506202	518598	531000		
Frequency (MHz)				2531.01	2592.99	2655	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	20.90	20.79	20.83	22.0	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	20.78	20.83	20.67	22.0	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	20.77	20.79	20.68	22.0	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	20.82	20.86	20.77	22.0	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	20.91	20.80	20.68	22.0	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	20.77	20.71	20.66	22.0	0.0

n7 Ant4 DS13 DFT-15								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000	20.5	0.0
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	20.28	20.24	20.18	20.5	0.0
40	PI/2 BPSK	1	108	20.29	20.30	20.26		
40	PI/2 BPSK	1	214	20.26	20.24	20.26		
40	PI/2 BPSK	108	0	20.18	20.29	20.32		
40	PI/2 BPSK	108	54	20.14	20.18	20.08	20.5	0.0
40	PI/2 BPSK	108	108	20.27	20.23	20.28	20.5	0.0
40	PI/2 BPSK	216	0	20.13	20.22	20.16		
40	QPSK	1	1	20.28	20.33	20.28	20.5	0.0
40	QPSK	1	108	20.26	20.32	20.28		
40	QPSK	1	214	20.27	20.25	20.14		
40	QPSK	108	0	20.16	20.22	20.17		
40	QPSK	108	54	20.15	20.26	20.15	20.5	0.0
40	QPSK	108	108	20.13	20.25	20.16	19.5	1.0
40	QPSK	216	0	20.23	20.29	20.21		
40	16QAM	1	1	20.18	20.29	20.20	20.5	0.0
40	64QAM	1	1	20.24	20.31	20.27	20.5	0.0
40	256QAM	1	1	20.14	20.25	20.23	20.5	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555	20.5	0.0
30	QPSK	1	1	20.10	20.20	20.12	20.5	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5	20.5	0.0
25	QPSK	1	1	20.05	20.12	20.05	20.5	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560	20.5	0.0
20	QPSK	1	1	20.00	20.10	20.17	20.5	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	20.5	0.0
15	QPSK	1	1	20.14	20.22	20.12	20.5	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	20.5	0.0
10	QPSK	1	1	20.08	20.05	20.17	20.5	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	20.5	0.0
5	QPSK	1	1	20.27	20.06	20.20	20.5	0.0

n66 Ant4_DS13 DFT-15								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000	22.5	0.0
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	21.72	21.66	21.63	22.5	0.0
40	PI/2 BPSK	1	108	21.70	21.69	21.64		
40	PI/2 BPSK	1	214	21.71	21.72	21.65		
40	PI/2 BPSK	108	0	21.67	21.68	21.66		
40	PI/2 BPSK	108	54	21.63	21.65	21.66	22.5	0.0
40	PI/2 BPSK	108	108	21.70	21.69	21.70	22.5	0.0
40	PI/2 BPSK	216	0	21.65	21.71	21.62		
40	QPSK	1	1	21.62	21.73	21.69	22.5	0.0
40	QPSK	1	108	21.59	21.65	21.69		
40	QPSK	1	214	21.72	21.63	21.70		
40	QPSK	108	0	21.56	21.67	21.59		
40	QPSK	108	54	21.60	21.69	21.66	22.5	0.0
40	QPSK	108	108	21.64	21.64	21.68	22.5	0.0
40	QPSK	216	0	21.59	21.67	21.63		
40	16QAM	1	1	21.72	21.71	21.65	22.5	0.0
40	64QAM	1	1	21.71	21.63	21.65	22.5	0.0
40	256QAM	1	1	20.17	20.12	20.04	21.0	1.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765	22.5	0.0
30	QPSK	1	1	21.65	21.63	21.53	22.5	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770	22.5	0.0
20	QPSK	1	1	21.70	21.47	21.50	22.5	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5	22.5	0.0
15	QPSK	1	1	21.71	21.47	21.62	22.5	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775	22.5	0.0
10	QPSK	1	1	21.64	21.67	21.57	22.5	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	22.5	0.0
5	QPSK	1	1	21.54	21.63	21.41	22.5	0.0

n38 Ant4 DS13 DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996	19.5	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	19.47	19.51	19.45	19.5	0.0
40	PI/2 BPSK	1	53	19.35	19.35	19.31		
40	PI/2 BPSK	1	104	19.36	19.45	19.50	19.5	0.0
40	PI/2 BPSK	50	0	19.36	19.42	19.41		
40	PI/2 BPSK	50	28	19.30	19.33	19.44	19.5	0.0
40	PI/2 BPSK	50	56	19.37	19.37	19.38		
40	PI/2 BPSK	100	0	19.48	19.45	19.43	19.5	0.0
40	QPSK	1	1	19.41	19.52	19.48		
40	QPSK	1	53	19.43	19.34	19.27	19.5	0.0
40	QPSK	1	104	19.50	19.45	19.49		
40	QPSK	50	0	19.22	19.31	19.27	19.5	0.0
40	QPSK	50	28	19.35	19.40	19.30		
40	QPSK	50	56	19.33	19.39	19.38	19.5	0.0
40	QPSK	100	0	19.26	19.37	19.31		
40	16QAM	1	1	19.33	19.41	19.33	19.5	0.0
40	64QAM	1	1	19.40	19.51	19.43		
40	256QAM	1	1	19.46	19.40	19.36	19.5	0.0
Channel				517002	519000	520998		
Frequency (MHz)				2585.01	2595	2604.99	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	19.30	19.47	19.25	19.5	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	19.31	19.50	19.26	19.5	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49	Tune-up limit (dBm)	MPR (dB)
15	PI/2 BPSK	1	1	19.13	19.26	19.16	19.5	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98	Tune-up limit (dBm)	MPR (dB)
10	PI/2 BPSK	1	1	19.04	19.23	19.20	19.5	0.0

n41 Ant4_DS13 DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	21.5	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	21.12	21.10	21.07	21.5	0.0
100	PI/2 BPSK	1	137	21.06	21.09	21.12		
100	PI/2 BPSK	1	271	21.05	21.12	21.09	21.5	0.0
100	PI/2 BPSK	135	0	21.04	21.04	21.11		
100	PI/2 BPSK	135	69	20.99	21.07	21.03	21.5	0.0
100	PI/2 BPSK	135	138	20.96	21.00	21.12		
100	PI/2 BPSK	270	0	21.01	21.02	20.97	21.5	0.0
100	QPSK	1	1	21.07	21.13	21.08		
100	QPSK	1	137	21.11	21.05	21.12	21.5	0.0
100	QPSK	1	271	21.06	21.10	21.09		
100	QPSK	135	0	21.07	21.06	21.00	21.5	0.0
100	QPSK	135	69	21.08	21.10	20.95		
100	QPSK	135	138	20.92	20.94	20.87	21.5	0.0
100	QPSK	270	0	20.92	21.09	20.98		
100	16QAM	1	1	21.02	21.11	21.08	21.5	0.0
100	64QAM	1	1	21.00	21.07	21.05		
100	256QAM	1	1	20.61	20.54	20.59	21.0	0.5
Channel				508200	518598	528998		
Frequency (MHz)				2541	2592.99	2644.98	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	21.08	21.09	21.02	21.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	21.01	21.03	20.91	21.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	21.00	20.92	20.87	21.5	0.0
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	20.97	20.93	20.95	21.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	21.05	20.90	20.95	21.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	21.07	21.08	20.86	21.5	0.0
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	21.04	20.88	21.02	21.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	20.95	20.88	20.86	21.5	0.0



Par270 n77_FCC Ant10 DS13 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	660000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	23.93	24.05	24.03			
100	PI2 BPSK	1	137	24.13	24.15	24.13		0.0	
100	PI2 BPSK	1	271	23.95	24.06	24.04			
100	PI2 BPSK	135	0	24.00	24.02	24.08	24.7	0.0	
100	PI2 BPSK	135	69	24.06	24.03	24.06	24.7	0.0	
100	PI2 BPSK	135	138	24.15	24.06	24.02		0.0	
100	PI2 BPSK	270	0	23.85	23.89	23.93			
100	QPSK	1	1	24.13	24.02	24.05			
100	QPSK	1	137	24.17	24.16	24.11	24.7	0.0	
100	QPSK	1	271	24.14	24.03	23.98			
100	QPSK	135	0	23.96	24.03	23.95	24.7	0.0	
100	QPSK	135	69	24.06	24.05	23.92	24.7	0.0	
100	QPSK	135	138	23.99	23.89	23.78	24.7	0.0	
100	QPSK	270	0	23.82	24.07	23.97			
100	16QAM	1	1	23.89	23.97	23.90	24.7	0.0	
100	64QAM	1	1	22.58	22.58	22.48	23.2	1.5	
100	256QAM	1	1	20.40	20.51	20.58	21.2	3.5	
Channel				649668	650000	650234	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	23.81	24.00	24.00	24.7	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	24.02	24.07	24.03	24.7	0.0	
Channel				649000	650000	650000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	23.85	24.08	23.95	24.7	0.0	
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	24.00	24.12	24.04	24.7	0.0	
Channel				648334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	23.82	24.00	23.98	24.7	0.0	
Channel				648000	650000	6504000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	23.95	24.04	24.03	24.7	0.0	
Channel				647668	650000	650434	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	23.98	24.09	23.98	24.7	0.0	
Channel				647334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	24.01	24.09	23.98	24.7	0.0	
Channel				647168	650000	650434	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	23.82	24.00	23.98	24.7	0.0	
Channel				647000	650000	6505000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	23.85	24.08	23.95	24.7	0.0	

Par270 n77 Ant10 Default DFT-30									
BW [MHz]	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	PI2 BPSK	1	1		23.75				
100	PI2 BPSK	1	137		24.05		24.7	0.0	
100	PI2 BPSK	1	271		23.92				
100	PI2 BPSK	135	0		23.43				
100	PI2 BPSK	135	69		24.00		24.7	0.0	
100	PI2 BPSK	135	138		23.32				
100	PI2 BPSK	270	0		23.37		24.7	0.5	
100	QPSK	1	1		24.13				
100	QPSK	1	137		23.71		24.7	0.0	
100	QPSK	1	271		23.53				
100	QPSK	135	0		22.82		24.7	0.0	
100	QPSK	135	69		23.77				
100	QPSK	135	138		22.91				
100	QPSK	270	0		22.85		24.7	1.0	
100	16QAM	1	1		22.71		24.7	1.0	
100	64QAM	1	1		21.16		23.2	2.5	
100	256QAM	1	1		19.27		21.2	4.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	23.81	24.00	24.00	24.7	0.0	
Channel				632668	633334	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	23.95	24.04	24.03	24.7	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	24.02	24.07	24.03	24.7	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	23.99	24.04	24.03	24.7	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	24.02	24.07	24.03	24.7	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	23.95	24.04	24.03	24.7	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	24.02	24.07	24.03	24.7	0.0	
Channel				630668	633334	635900	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	24.01	24.09	23.98	24.7	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	23.95	24.04	24.03	24.7	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	24.02	24.07	24.03	24.7	0.0	

Part270 n78_Ant10_DS13_PC3 DFT-30									
BW [MHz]	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	PI2 BPSK	1	1		22.01				
100	PI2 BPSK	1	137		22.11		22.7	0.0	
100	PI2 BPSK	1	271		22.17				
100	PI2 BPSK	135	0		22.02		22.7	0.0	
100	PI2 BPSK	135	69		22.05		22.7	0.0	
100	PI2 BPSK	135	138		21.97		22.7	0.0	
100	PI2 BPSK	270	0		22.01		22.7	0.0	
100	QPSK	1	1		22.23				
100	QPSK	1	137		22.01		22.7	0.0	
100	QPSK	1	271		22.12				
100	QPSK	135	0		22.02		22.7	0.0	
100	QPSK	135	69		22.16		22.7	0.0	
100	QPSK	135	138		22.07		22.7	0.0	
100	QPSK	270	0		21.95				
100	16QAM	1	1		22.14		22.7	0.0	
100	64QAM	1	1		22.21		22.7	0.0	
100	256QAM	1	1		22.02		22.7	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	21.98	21.98	21.98	22.7	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	22.00	22.00	21.99	22.7	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	21.92	22.07	21.91	22.7	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	22.06	22.06	21.98	22.7	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	21.97	21.96	21.03	22.7	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	21.84	22.00	21.99	22.7	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	22.07	22.03	21.88	22.7	0.0	
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	21.99	21.93	22.02	22.7	0.0	
Channel				647000	650000	652934	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	21.98	21.95	21.88	22.7	0.0	
Channel				646700	650000	653200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	22.06	22.08	21.88	22.7	0.0	



Part27Q n78 Ant10 DS13 PC3 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dbi)	
Channel				633334		3500.01			
Frequency (MHz)				3500.01					
100	P12 BPSK	1	1		22.00		22.7		0.0
100	P12 BPSK	1	137		22.16				
100	P12 BPSK	1	271		22.00		22.7		0.0
100	P12 BPSK	135	0		21.92				
100	P12 BPSK	135	69		22.01		22.7		0.0
100	P12 BPSK	135	138		21.96				
100	P12 BPSK	270	0		21.96		22.7		0.0
100	QPSK	1	1		22.10				
100	QPSK	1	137		21.96		22.7		0.0
100	QPSK	1	271		22.04				
100	QPSK	135	0		21.96		22.7		0.0
100	QPSK	135	69		22.15				
100	QPSK	135	138		21.93		22.7		0.0
100	QPSK	270	0		21.84				
100	16QAM	1	1		22.02		22.7		0.0
100	64QAM	1	1		22.15				
100	256QAM	1	1		21.97		22.7		0.0
Channel				633000	633334	633668		Tune-up limit (dbm)	MPR (dbi)
Frequency (MHz)				3485	3500.01	3505.02			
90	QPSK	1	123		21.94	21.82	21.85		22.7
Channel				632993	633334	634000	Tune-up limit (dbm)	MPR (dbi)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109		21.85	21.90	21.76		22.7
Channel				632334	633334	634334	Tune-up limit (dbm)	MPR (dbi)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	95		21.84	21.88	21.85		22.7
Channel				632000	633334	634668	Tune-up limit (dbm)	MPR (dbi)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	81		21.85	21.87	21.85		22.7
Channel				631668	633334	635000	Tune-up limit (dbm)	MPR (dbi)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67		21.86	21.89	21.83		22.7
Channel				631334	633334	635334	Tune-up limit (dbm)	MPR (dbi)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53		21.86	21.88	21.74		22.7
Channel				631000	633334	635668	Tune-up limit (dbm)	MPR (dbi)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	39		21.92	21.94	21.74		22.7
Channel				630993	633334	636000	Tune-up limit (dbm)	MPR (dbi)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26		21.94	21.87	21.83		22.7
Channel				630500	633334	636168	Tune-up limit (dbm)	MPR (dbi)	
Frequency (MHz)				3457.02	3500.01	3542.02			
15	QPSK	1	1		21.84	21.88	21.85		22.7
Channel				630334	633334	636334	Tune-up limit (dbm)	MPR (dbi)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1		21.95	21.89	21.83		22.7

Part27Q n78 Ant10 DS13 PC3 DFT-30									
BW [MHz]	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		3750			
Frequency (MHz)									
100	P12 BPSK	1	1		23.27		24.0		
100	P12 BPSK	1	137		23.26			0.0	
100	P12 BPSK	1	271		23.37		20.5	3.5	
100	P12 BPSK	135	0		23.30				
100	P12 BPSK	135	69		23.23		24.0	0.0	
100	P12 BPSK	135	138		23.31			3.5	
100	P12 BPSK	270	0		23.33		23.5	0.5	
100	QPSK	1	1		23.40				
100	QPSK	1	137		23.38		24.0	0.0	
100	QPSK	1	271		23.32				
100	QPSK	135	0		23.33		20.5	3.5	
100	QPSK	135	69		23.37				
100	QPSK	135	138		23.36		20.5	3.5	
100	QPSK	270	0		23.36			0.5	
100	16QAM	1	1		23.30		23.0	1.0	
100	64QAM	1	1		23.26			2.5	
100	256QAM	1	1		22.01		19.5		
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		23.27	23.31	22.87	24.0	
Channel				649334	650000	650568	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		23.21	23.23	22.85	24.0	
Channel				649000	650000	651090	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		23.07	23.44	22.83	24.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		23.23	23.37	22.97	24.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		23.09	23.22	23.02	24.0	
Channel				648000	650000	652090	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		23.17	23.27	22.95	24.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		23.13	23.40	22.82	24.0	
Channel				647334	650000	652568	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		23.10	23.33	22.82	24.0	
Channel				647000	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.02	3750	3792.01			
15	QPSK	1	1		23.13	23.40	22.82	24.0	
Channel				647000	650000	653090	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		23.09	23.22	23.02	24.0	

Part27Q n78 Ant10 DS13 PC2 DFT-30									
BW [MHz]	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)				3500.01					
100	P12 BPSK	1	1		23.19		24.0		
100	P12 BPSK	1	137		23.19			0.0	
100	P12 BPSK	1	271		23.19		20.5	3.5	
100	P12 BPSK	135	0		23.24				
100	P12 BPSK	135	69		23.15		24.0	0.0	
100	P12 BPSK	135	138		23.28			3.5	
100	P12 BPSK	270	0		23.24		23.5	0.5	
100	QPSK	1	1		23.27				
100	QPSK	1	137		23.28		24.0	0.0	
100	QPSK	1	271		23.26				
100	QPSK	135	0		23.29		20.5	3.5	
100	QPSK	135	69		23.32				
100	QPSK	135	138		23.21		20.5	3.5	
100	QPSK	270	0		23.29			0.5	
100	16QAM	1	1		23.16		23.0	1.0	
100	64QAM	1	1		23.17			2.5	
100	256QAM	1	1		21.98		19.5		
Channel				633000	633334	633968	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3500.01	3500.01	3500.01			
90	QPSK	1	123	23.19	23.24	22.85	24.0	0.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.62	3500.01	3510			
80	QPSK	1	109	23.19	23.25	22.82	24.0	0.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	95	23.19	23.27	22.85	24.0	0.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.01	3500.01	3520.01			
60	QPSK	1	81	23.21	23.25	22.79	24.0	0.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67	23.14	23.26	22.81	24.0	0.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53	23.14	23.29	22.79	24.0	0.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465.01	3500.01	3535.02			
30	QPSK	1	39	23.18	23.21	22.84	24.0	0.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26	23.14	23.27	22.77	24.0	0.0	0.0
Channel				630300	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3458	3500	3543			
15	QPSK	1	1	23.14	23.26	22.81	24.0	0.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	1	23.19	23.25	22.82	24.0	0.0	0.0

n5 Ant0 DS4D FT-15								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166500	167300	167500		
Frequency (MHz)				834	836.5	838		
20	PI2 BPSK	1	1	24.99	25.01	24.80		
20	PI2 BPSK	1	33	25.06	25.07	24.90	25.5	0.0
20	PI2 BPSK	1	104	24.74	24.96	24.95		
20	PI2 BPSK	50	0	24.55	24.53	24.43	25.0	0.5
20	PI2 BPSK	50	28	24.92	25.06	24.85	25.5	0.0
20	PI2 BPSK	50	58	24.46	24.49	24.36		
20	PI2 BPSK	100	0	24.40	24.47	24.29	25.0	0.5
20	QPSK	1	1	24.89	25.20	25.15		
20	QPSK	1	53	25.09	25.15	25.08	25.5	0.0
20	QPSK	1	104	24.97	25.13	25.06		
20	QPSK	50	0	23.94	24.09	23.97	24.5	1.0
20	QPSK	50	28	25.13	25.17	25.08	25.5	0.0
20	QPSK	50	58	23.93	24.05	23.94	24.5	1.0
20	QPSK	100	0	23.89	24.06	23.88		
20	16QAM	1	1	23.90	23.97	23.80	24.5	1.0
20	16QAM	1	1	22.38	22.43	22.37	23.0	2.5
20	256QAM	1	1	20.29	20.40	20.20	21.0	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5	25.5	0.0
15	QPSK	1	1	25.17	25.14	25.11		
Channel				155200	157200	158300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	25.19	25.10	25.12	25.5	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	25.08	25.16	25.02	25.5	0.0

n7 Ant0 DS4 FT-15								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI2 BPSK	1	1	23.29	23.47	23.40		
40	PI2 BPSK	1	108	23.24	23.36	23.18	24.5	0.0
40	PI2 BPSK	1	214	23.24	23.38	23.19		
40	PI2 BPSK	108	0	22.73	22.86	22.72	24.0	0.5
40	PI2 BPSK	108	54	23.21	23.39	23.27	24.5	0.0
40	PI2 BPSK	108	108	22.82	22.82	22.81		
40	PI2 BPSK	216	0	22.79	22.96	22.72	24.0	0.5
40	QPSK	1	1	23.47	23.33	23.40		
40	QPSK	1	108	23.29	23.33	23.18	24.5	0.0
40	QPSK	1	214	23.16	23.32	23.17		
40	QPSK	108	0	22.24	22.40	22.27	23.5	1.0
40	QPSK	108	54	23.29	23.44	23.40	24.5	0.0
40	QPSK	108	108	22.39	22.42	22.41	23.5	1.0
40	QPSK	216	0	22.35	22.39	22.18		
40	16QAM	1	1	22.33	22.44	22.44	23.5	1.0
40	16QAM	1	1	20.81	20.82	20.98	22.0	2.5
40	256QAM	1	1	19.04	19.08	18.99	20.0	4.5
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	23.16	23.32	23.30	24.5	0.0
Channel				512500	510000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	23.18	23.38	23.29	24.5	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	23.19	23.41	23.30	24.5	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	23.16	23.34	23.34	24.5	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	23.17	23.38	23.37	24.5	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	23.23	23.38	23.34	24.5	0.0

n66 Ant0 DS4 FT-15								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				345000	349000	350000		
Frequency (MHz)				1730	1745	1760		
40	PI2 BPSK	1	1	22.70	22.75	22.77		
40	PI2 BPSK	1	108	22.90	22.93	22.89	24.5	0.0
40	PI2 BPSK	1	214	22.81	22.81	22.83		
40	PI2 BPSK	108	0	22.34	22.28	22.24	24.0	0.5
40	PI2 BPSK	108	54	22.84	22.87	22.83	24.5	0.0
40	PI2 BPSK	108	108	22.46	22.40	22.40		
40	PI2 BPSK	216	0	22.43	22.41	22.46	24.0	0.5
40	QPSK	1	1	22.91	22.85	22.85		
40	QPSK	1	108	22.94	22.92	22.93	24.5	0.0
40	QPSK	1	214	22.89	22.90	22.86		
40	QPSK	108	0	21.90	21.85	21.87	23.5	1.0
40	QPSK	108	54	22.86	22.91	22.90	24.5	0.0
40	QPSK	108	108	21.92	21.92	21.97	23.5	1.0
40	QPSK	216	0	21.91	21.99	21.93		
40	16QAM	1	1	22.08	22.07	22.03	23.5	1.0
40	16QAM	1	1	20.58	20.55	20.52	22.0	2.5
40	256QAM	1	1	18.17	18.10	18.07	20.0	4.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	22.72	22.71	22.74	24.5	0.0
Channel				345000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	22.75	22.81	22.84	24.5	0.0
Channel				345500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	22.76	22.70	22.75	24.5	0.0
Channel				343000	349000	356000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	22.87	22.78	22.83	24.5	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	22.76	22.75	22.86	24.5	0.0

n38 Ant0 DS14 DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996	22.5	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	20.95	20.88	20.87	22.5	0.0
40	PI/2 BPSK	1	53	20.79	20.86	20.95		
40	PI/2 BPSK	1	104	20.92	20.95	20.90		
40	PI/2 BPSK	50	0	20.14	20.16	20.12		
40	PI/2 BPSK	50	28	20.96	20.96	20.96	22.5	0.0
40	PI/2 BPSK	50	56	20.56	20.58	20.55	22.0	0.5
40	PI/2 BPSK	100	0	20.32	20.29	20.32		
40	QPSK	1	1	20.96	20.99	20.86	22.5	0.0
40	QPSK	1	53	20.98	20.95	20.92		
40	QPSK	1	104	20.88	20.86	20.89		
40	QPSK	50	0	19.58	19.53	19.51		
40	QPSK	50	28	20.70	20.73	20.69	22.5	0.0
40	QPSK	50	56	20.07	20.07	20.05	21.5	1.0
40	QPSK	100	0	19.66	19.68	19.60		
40	16QAM	1	1	19.88	19.92	19.87	21.5	1.0
40	64QAM	1	1	18.48	18.51	18.57	20.0	2.5
40	256QAM	1	1	16.63	16.60	16.59	18.0	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	20.83	20.86	20.76	22.5	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	20.90	20.96	20.92	22.5	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	PI/2 BPSK	1	1	20.91	20.80	20.90	22.5	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	PI/2 BPSK	1	1	20.82	20.93	20.95	22.5	0.0

n41 Ant0 DS14 DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	22.5	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	20.86	20.88	20.90	22.5	0.0
100	PI/2 BPSK	1	137	20.91	20.89	20.96		
100	PI/2 BPSK	1	271	20.58	20.54	20.56		
100	PI/2 BPSK	135	0	20.30	20.29	20.29		
100	PI/2 BPSK	135	69	20.91	20.92	20.96	22.5	0.0
100	PI/2 BPSK	135	138	20.61	20.56	20.56	22.0	0.5
100	PI/2 BPSK	270	0	20.31	20.29	20.33		
100	QPSK	1	1	20.97	21.00	20.98	22.5	0.0
100	QPSK	1	137	20.92	20.93	20.99		
100	QPSK	1	271	20.65	20.58	20.63		
100	QPSK	135	0	19.81	19.74	19.81		
100	QPSK	135	69	20.75	20.81	20.76	22.5	0.0
100	QPSK	135	138	20.14	20.08	20.04	21.5	1.0
100	QPSK	270	0	19.76	19.77	19.74		
100	16QAM	1	1	19.72	19.72	19.75	21.5	1.0
100	64QAM	1	1	18.31	18.26	18.24	20.0	2.5
100	256QAM	1	1	16.82	16.83	16.83	18.0	4.5
Channel				508200	518598	528998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	20.03	20.89	20.93	22.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	20.01	20.89	20.90	22.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	20.89	20.84	20.88	22.5	0.0
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	20.02	20.85	20.87	22.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	20.82	20.93	20.95	22.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	20.86	20.89	20.87	22.5	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	20.85	20.95	20.89	22.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	20.88	20.91	20.85	22.5	0.0

n5 Ant1 DSI4 FT-15								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	25.01	24.94	24.97	25.7	0.0
20	PI/2 BPSK	1	53	24.91	24.96	24.94		
20	PI/2 BPSK	1	104	24.78	24.83	24.75		
20	PI/2 BPSK	50	0	24.38	24.32	24.27		
20	PI/2 BPSK	50	28	24.82	24.87	24.96	25.7	0.0
20	PI/2 BPSK	50	56	24.31	24.25	24.31	25.2	0.5
20	PI/2 BPSK	100	0	24.30	24.32	24.44		
20	QPSK	1	1	24.90	25.04	24.97	25.7	0.0
20	QPSK	1	53	24.91	24.84	24.82		
20	QPSK	1	104	24.79	24.72	24.64		
20	QPSK	50	0	23.94	23.97	23.97		
20	QPSK	50	28	24.87	24.95	24.83	24.7	1.0
20	QPSK	50	56	23.75	23.84	23.77	25.7	0.0
20	QPSK	100	0	23.89	23.95	23.93	24.7	1.0
20	16QAM	1	1	24.06	24.07	23.99	24.7	1.0
20	64QAM	1	1	22.44	22.40	22.50	23.2	2.5
20	256QAM	1	1	20.24	20.24	20.15	21.2	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	24.93	24.83	24.88	25.7	0.0
Channel				165900	167300	168900	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				839	836.5	844		
10	QPSK	1	1	24.78	24.85	24.92	25.7	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	24.82	24.83	24.79	25.7	0.0

n7 Ant3 DS14 FT-15								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000	24.0	0.0
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	23.07	23.18	23.19	24.0	0.0
40	PI/2 BPSK	1	108	23.05	23.15	23.13		
40	PI/2 BPSK	1	214	22.96	23.06	22.97		
40	PI/2 BPSK	108	0	22.56	22.66	22.54		
40	PI/2 BPSK	108	54	23.07	23.15	23.11	24.0	0.0
40	PI/2 BPSK	108	108	22.58	22.66	22.71	23.5	0.5
40	PI/2 BPSK	216	0	22.49	22.56	22.49		
40	QPSK	1	1	23.18	23.20	23.19	24.0	0.0
40	QPSK	1	108	23.09	23.16	23.13		
40	QPSK	1	214	23.16	23.11	23.01		
40	QPSK	108	0	22.20	22.10	22.06		
40	QPSK	108	54	23.03	23.13	23.11	24.0	0.0
40	QPSK	108	108	22.13	22.08	22.06	23.0	1.0
40	QPSK	216	0	21.99	22.09	22.05		
40	16QAM	1	1	22.34	22.42	22.34	23.0	1.0
40	64QAM	1	1	20.79	20.75	20.75	21.5	2.5
40	256QAM	1	1	18.74	18.62	18.57	19.5	4.5
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555	24.0	0.0
30	PI/2 BPSK	1	1	22.92	23.00	23.10	24.0	0.0
Channel				502500	507000	511500		
Frequency (MHz)				2512.5	2535	2557.5	Tune-up limit (dBm)	MPR (dB)
25	PI/2 BPSK	1	1	22.97	23.18	23.00	24.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560	24.0	0.0
20	QPSK	1	1	22.94	23.00	23.01	24.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	24.0	0.0
15	QPSK	1	1	22.92	23.11	23.04	24.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	24.0	0.0
10	QPSK	1	1	22.92	23.05	23.08	24.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	24.0	0.0
5	QPSK	1	1	22.99	23.13	23.18	24.0	0.0

n66 Ant3 DS14 FT-15								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000	24.0	0.0
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	22.74	22.78	22.81	24.0	0.0
40	PI/2 BPSK	1	108	22.64	22.73	22.67		
40	PI/2 BPSK	1	214	22.76	22.72	22.77		
40	PI/2 BPSK	108	0	22.06	22.16	22.19		
40	PI/2 BPSK	108	54	22.81	22.69	22.70	24.0	0.0
40	PI/2 BPSK	108	108	22.13	22.17	22.25	23.5	0.5
40	PI/2 BPSK	216	0	22.28	22.28	22.40		
40	QPSK	1	1	22.80	22.82	22.73	24.0	0.0
40	QPSK	1	108	22.78	22.76	22.66		
40	QPSK	1	214	22.71	22.79	22.70		
40	QPSK	108	0	21.79	21.76	21.66		
40	QPSK	108	54	22.61	22.70	22.68	24.0	0.0
40	QPSK	108	108	21.73	21.73	21.82	23.0	1.0
40	QPSK	216	0	21.75	21.80	21.72		
40	16QAM	1	1	22.05	22.01	21.96	23.0	1.0
40	64QAM	1	1	20.45	20.45	20.35	21.5	2.5
40	256QAM	1	1	18.26	18.20	18.13	19.5	4.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765	24.0	0.0
30	PI/2 BPSK	1	1	22.71	22.75	22.64	24.0	0.0
Channel				344000	349000	354000		
Frequency (MHz)				1720	1745	1770	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	22.58	22.73	22.70	24.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5	24.0	0.0
15	QPSK	1	1	22.53	22.63	22.68	24.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775	24.0	0.0
10	QPSK	1	1	22.71	22.88	22.70	24.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	24.0	0.0
5	QPSK	1	1	22.54	22.79	22.64	24.0	0.0

n38 Ant3 DS14 DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996	24.0	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	23.14	23.17	23.03	24.0	0.0
40	PI/2 BPSK	1	53	22.94	23.12	22.91		
40	PI/2 BPSK	1	104	23.01	23.16	23.11		
40	PI/2 BPSK	50	0	22.55	22.62	22.54		
40	PI/2 BPSK	50	28	22.91	23.04	22.93	24.0	0.0
40	PI/2 BPSK	50	56	22.47	22.61	22.42	23.5	0.5
40	PI/2 BPSK	100	0	22.49	22.59	22.38		
40	QPSK	1	1	23.16	23.18	23.05	24.0	0.0
40	QPSK	1	53	23.01	23.16	22.96		
40	QPSK	1	104	23.06	23.17	23.17		
40	QPSK	50	0	22.02	22.11	22.11		
40	QPSK	50	28	23.01	23.07	23.02	24.0	0.0
40	QPSK	50	56	22.17	22.19	22.15	23.0	1.0
40	QPSK	100	0	21.86	22.07	21.94		
40	16QAM	1	1	22.01	22.13	21.95	23.0	1.0
40	64QAM	1	1	20.63	20.74	20.53	21.5	2.5
40	256QAM	1	1	18.50	18.71	18.56	19.5	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	23.01	23.15	23.17	24.0	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	23.07	23.08	22.99	24.0	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	PI/2 BPSK	1	1	22.12	22.25	22.23	24.0	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	PI/2 BPSK	1	1	22.17	22.23	22.17	24.0	0.0

n41 Ant3 DS14 DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	24.0	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	22.96	22.88	22.86	24.0	0.0
100	PI/2 BPSK	1	137	22.79	22.84	22.72		
100	PI/2 BPSK	1	271	22.94	22.86	22.83		
100	PI/2 BPSK	135	0	22.13	22.25	22.25		
100	PI/2 BPSK	135	69	22.86	22.84	22.90	23.5	0.5
100	PI/2 BPSK	135	138	22.63	22.71	22.73	23.5	0.5
100	PI/2 BPSK	270	0	22.31	22.38	22.29		
100	QPSK	1	1	22.88	22.99	22.94	24.0	0.0
100	QPSK	1	137	22.82	22.98	22.86		
100	QPSK	1	271	22.49	22.50	22.53		
100	QPSK	135	0	21.68	21.86	21.77		
100	QPSK	135	69	22.88	22.97	22.86	24.0	0.0
100	QPSK	135	138	21.87	21.84	21.89	23.0	1.0
100	QPSK	270	0	21.73	21.85	21.84		
100	16QAM	1	1	21.86	21.89	21.93	23.0	1.0
100	64QAM	1	1	20.09	20.13	20.11	21.5	2.5
100	256QAM	1	1	18.44	18.53	18.44	19.5	4.5
Channel				508200	518598	528998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	22.86	22.77	22.74	24.0	0.0
Channel				507204	518598	528998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	22.86	22.66	22.68	24.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	22.90	22.79	22.83	24.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	22.78	22.83	22.67	24.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	22.77	22.79	22.68	24.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	22.82	22.86	22.77	24.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	22.91	22.80	22.68	24.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	22.77	22.71	22.66	24.0	0.0

n7 Ant4 DS14 FT-15									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	PI/2 BPSK	1	1	25.36	25.24	25.27	25.5		0.0
40	PI/2 BPSK	1	108	25.23	25.24	25.22			
40	PI/2 BPSK	1	214	25.20	25.23	25.16			
40	PI/2 BPSK	108	0	24.75	24.77	24.81	25.0		0.5
40	PI/2 BPSK	108	54	25.26	25.32	25.24	25.5		0.0
40	PI/2 BPSK	108	108	24.75	24.79	24.72	25.0	0.5	
40	PI/2 BPSK	216	0	24.79	24.75	24.75			
40	QPSK	1	1	25.12	25.37	25.34	25.5		0.0
40	QPSK	1	108	25.18	25.20	25.30			
40	QPSK	1	214	25.30	25.18	25.18			
40	QPSK	108	0	24.13	24.20	24.08			
40	QPSK	108	54	25.24	25.27	25.26	25.5		0.0
40	QPSK	108	108	24.36	24.25	24.15	24.5	1.0	
40	QPSK	216	0	24.14	24.22	24.18			
40	16QAM	1	1	24.46	24.42	24.33	24.5		1.0
40	64QAM	1	1	22.91	22.88	22.98	23.0		2.5
40	256QAM	1	1	20.92	20.88	20.78	21.0		4.5
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555	25.5		0.0
30	PI/2 BPSK	1	1	25.16	25.06	25.09	25.5		0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5	25.5		0.0
25	PI/2 BPSK	1	1	25.10	25.21	25.13	25.5		0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560	25.5		0.0
20	QPSK	1	1	25.25	25.09	25.16	25.5		0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	25.5		0.0
15	QPSK	1	1	25.21	25.04	25.24	25.5		0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	25.5		0.0
10	QPSK	1	1	25.32	25.22	25.11	25.5		0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	25.5		0.0
5	QPSK	1	1	25.22	25.21	25.12	25.5		0.0

n66 Ant4 DS14 FT-15									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	24.38	24.49	24.41	25.5	0.0	
40	PI/2 BPSK	1	108	24.50	24.61	24.65			
40	PI/2 BPSK	1	214	24.54	24.60	24.65			
40	PI/2 BPSK	108	0	24.06	24.09	23.97	25.0	0.5	
40	PI/2 BPSK	108	54	24.61	24.65	24.59	25.5	0.0	
40	PI/2 BPSK	108	108	24.18	24.09	24.12	25.0	0.5	
40	PI/2 BPSK	216	0	24.18	24.17	24.12			
40	QPSK	1	1	24.65	24.66	24.55	25.5	0.0	
40	QPSK	1	108	24.64	24.60	24.61			
40	QPSK	1	214	24.35	24.46	24.45			
40	QPSK	108	0	23.65	23.57	23.62	24.5	1.0	
40	QPSK	108	54	24.62	24.64	24.59	25.5	0.0	
40	QPSK	108	108	23.60	23.62	23.59	24.5	1.0	
40	QPSK	216	0	23.58	23.68	23.60			
40	16QAM	1	1	24.00	23.94	24.00	24.5	1.0	
40	64QAM	1	1	22.19	22.14	22.12	23.0	2.5	
40	256QAM	1	1	20.17	20.12	20.16	21.0	4.5	
Channel				345000	349000	353000	Tune-up limit	MPR	
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)	
30	QPSK	1	1	24.28	24.37	24.20	25.5	0.0	
Channel				344000	349000	354000	Tune-up limit	MPR	
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)	
20	QPSK	1	1	24.24	24.37	24.20	25.5	0.0	
Channel				343500	349000	354500	Tune-up limit	MPR	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)	
15	QPSK	1	1	24.26	24.43	24.26	25.5	0.0	
Channel				343000	349000	355000	Tune-up limit	MPR	
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)	
10	QPSK	1	1	24.28	24.30	24.24	25.5	0.0	
Channel				342500	349000	355500	Tune-up limit	MPR	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)	
5	QPSK	1	1	24.27	24.36	24.30	25.5	0.0	

n38 Ant4 DS14 DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996	25.5	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	25.09	25.01	24.91	25.5	0.0
40	PI/2 BPSK	1	53	24.98	25.09	24.98		
40	PI/2 BPSK	1	104	25.00	25.06	25.02		
40	PI/2 BPSK	50	0	24.67	24.65	24.74		
40	PI/2 BPSK	50	28	25.10	25.07	25.15	25.5	0.0
40	PI/2 BPSK	50	56	24.52	24.60	24.60	25.0	0.5
40	PI/2 BPSK	100	0	24.51	24.59	24.50		
40	QPSK	1	1	25.00	25.15	25.12	25.5	0.0
40	QPSK	1	53	25.10	25.07	25.14		
40	QPSK	1	104	25.05	25.12	25.02		
40	QPSK	50	0	24.25	24.16	24.13	24.5	1.0
40	QPSK	50	28	25.08	25.16	25.09	25.5	0.0
40	QPSK	50	56	24.14	24.25	24.32	24.5	1.0
40	QPSK	100	0	24.33	24.48	24.40		
40	16QAM	1	1	23.72	23.75	23.79	24.5	1.0
40	64QAM	1	1	22.38	22.41	22.50	23.0	2.5
40	256QAM	1	1	20.65	20.55	20.49	21.0	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	24.91	24.81	24.85	25.5	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	25.05	24.90	24.70	25.5	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	PI/2 BPSK	1	1	24.42	24.55	24.60	25.5	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	PI/2 BPSK	1	1	24.45	24.44	24.50	25.5	0.0

n41 Ant4 DS14 DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	25.5	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	24.71	24.62	24.73	25.5	0.0
100	PI/2 BPSK	1	137	24.89	24.90	24.85		
100	PI/2 BPSK	1	271	24.76	24.85	24.89		
100	PI/2 BPSK	135	0	24.11	24.12	24.00		
100	PI/2 BPSK	135	69	24.86	24.84	24.82	25.5	0.0
100	PI/2 BPSK	135	138	24.51	24.48	24.45	25.0	0.5
100	PI/2 BPSK	270	0	24.41	24.41	24.38		
100	QPSK	1	1	24.81	24.92	24.79	25.5	0.0
100	QPSK	1	137	24.76	24.75	24.66		
100	QPSK	1	271	24.81	24.80	24.78		
100	QPSK	135	0	23.91	24.01	24.11	24.5	1.0
100	QPSK	135	69	24.83	24.87	24.68	25.5	0.0
100	QPSK	135	138	24.06	24.03	23.96	24.5	1.0
100	QPSK	270	0	23.88	23.96	23.92		
100	16QAM	1	1	23.89	23.91	23.86	24.5	1.0
100	64QAM	1	1	22.59	22.53	22.47	23.0	2.5
100	256QAM	1	1	20.32	20.35	20.43	21.0	4.5
Channel				508200	518598	528998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	24.78	24.51	24.83	25.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	24.67	24.72	24.74	25.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	24.72	24.65	24.71	25.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	24.59	24.50	24.65	25.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	24.80	24.60	24.61	25.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	24.82	24.68	24.61	25.5	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	24.76	24.59	24.82	25.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	24.66	24.51	24.76	25.5	0.0

n7 Ant5 DS14 FT-15									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	PI/2 BPSK	1	1	21.64	21.65	21.58	23.0	0.0	
40	PI/2 BPSK	1	108	21.56	21.60	21.63			
40	PI/2 BPSK	1	214	21.60	21.58	21.51			
40	PI/2 BPSK	108	0	21.10	21.05	21.01	22.5	0.5	
40	PI/2 BPSK	108	54	21.54	21.53	21.58	23.0	0.0	
40	PI/2 BPSK	108	108	21.14	21.07	21.06	22.5	0.5	
40	PI/2 BPSK	216	0	20.95	21.05	21.02			
40	QPSK	1	1	21.64	21.68	21.55	23.0	0.0	
40	QPSK	1	108	21.67	21.58	21.60			
40	QPSK	1	214	21.43	21.52	21.62			
40	QPSK	108	0	20.62	20.55	20.61	22.0	1.0	
40	QPSK	108	54	21.48	21.49	21.40	23.0	0.0	
40	QPSK	108	108	20.50	20.57	20.56	22.0	1.0	
40	QPSK	216	0	20.40	20.65	20.56			
40	16QAM	1	1	20.76	20.89	20.91	22.0	1.0	
40	64QAM	1	1	19.35	19.34	19.39	20.5	2.5	
40	256QAM	1	1	19.35	19.33	19.42	18.5	4.5	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555	23.0	0.0	
30	QPSK	1	1	21.60	21.49	21.45	23.0	MPR (dB)	
Channel				502500	507000	511500			
Frequency (MHz)				2512.5	2535	2557.5	23.0	0.0	
25	QPSK	1	1	21.43	21.65	21.43	23.0	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560	23.0	0.0	
20	QPSK	1	1	21.62	21.47	21.43	23.0	MPR (dB)	
Channel				501500	507000	512500			
Frequency (MHz)				2507.5	2535	2562.5	23.0	0.0	
15	QPSK	1	1	21.48	21.64	21.39	0.0		
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	23.0	0.0	
10	QPSK	1	1	21.64	21.61	21.43	23.0	MPR (dB)	
Channel				500500	507000	513500			
Frequency (MHz)				2502.5	2535	2567.5	23.0	0.0	
5	QPSK	1	1	21.44	21.63	21.55	0.0		

n66 Ant5 DS14 FT-15									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	21.61	21.73	21.75	23.0	0.0	
40	PI/2 BPSK	1	108	21.77	21.75	21.67			
40	PI/2 BPSK	1	214	21.60	21.72	21.64			
40	PI/2 BPSK	108	0	21.32	21.25	21.33	22.5	0.5	
40	PI/2 BPSK	108	54	21.71	21.67	21.59	23.0	0.0	
40	PI/2 BPSK	108	108	21.13	21.22	21.28	22.5	0.5	
40	PI/2 BPSK	216	0	21.26	21.24	21.20			
40	QPSK	1	1	21.60	21.78	21.72	23.0	0.0	
40	QPSK	1	108	21.73	21.74	21.66			
40	QPSK	1	214	21.71	21.76	21.75			
40	QPSK	108	0	20.86	20.77	20.66		22.0	1.0
40	QPSK	108	54	21.57	21.68	21.59	23.0	0.0	
40	QPSK	108	108	20.76	20.74	20.64	22.0	1.0	
40	QPSK	216	0	20.72	20.79	20.67			
40	16QAM	1	1	20.87	20.90	20.95	22.0	1.0	
40	64QAM	1	1	19.45	19.35	19.29	20.5	2.5	
40	256QAM	1	1	19.34	19.39	19.40	18.5	4.5	
Channel				345000	349000	353000	Tune-up limit	MPR	
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)	
30	QPSK	1	1	21.54	21.55	21.71	23.0	0.0	
Channel				344000	349000	354000	Tune-up limit	MPR	
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)	
20	QPSK	1	1	21.57	21.62	21.66	23.0	0.0	
Channel				343500	349000	354500	Tune-up limit	MPR	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)	
15	QPSK	1	1	21.56	21.61	21.66	23.0	0.0	
Channel				343000	349000	355000	Tune-up limit	MPR	
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)	
10	QPSK	1	1	21.46	21.60	21.76	23.0	0.0	
Channel				342500	349000	355500	Tune-up limit	MPR	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)	
5	QPSK	1	1	21.59	21.71	21.76	23.0	0.0	

n38 Ant5 DS14 DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996	25.7	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	24.59	24.57	24.63	25.7	0.0
40	PI/2 BPSK	1	53	24.55	24.53	24.46		
40	PI/2 BPSK	1	104	24.61	24.63	24.52		
40	PI/2 BPSK	50	0	23.90	24.02	23.93		
40	PI/2 BPSK	50	28	24.53	24.48	24.38	25.2	0.5
40	PI/2 BPSK	50	56	24.09	24.10	24.12		
40	PI/2 BPSK	100	0	24.10	23.98	23.90		
40	QPSK	1	1	24.57	24.65	24.61		
40	QPSK	1	53	24.50	24.56	24.48	25.7	0.0
40	QPSK	1	104	24.58	24.60	24.56		
40	QPSK	50	0	23.55	23.53	23.50		
40	QPSK	50	28	24.40	24.45	24.42		
40	QPSK	50	56	23.57	23.58	23.47	24.7	1.0
40	QPSK	100	0	23.37	23.47	23.37		
40	16QAM	1	1	23.95	23.87	23.93		
40	64QAM	1	1	22.25	22.27	22.16		
40	256QAM	1	1	19.69	20.03	19.97	21.2	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	24.42	24.43	24.43	25.7	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	24.45	24.48	24.45	25.7	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	PI/2 BPSK	1	1	24.42	24.55	24.60	25.7	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	PI/2 BPSK	1	1	24.45	24.44	24.50	25.7	0.0

n41 Ant5 DS14 DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	25.7	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	24.56	24.60	24.65	25.7	0.0
100	PI/2 BPSK	1	137	24.56	24.56	24.63		
100	PI/2 BPSK	1	271	24.51	24.61	24.52		
100	PI/2 BPSK	135	0	23.87	23.99	24.06		
100	PI/2 BPSK	135	69	24.65	24.54	24.50	25.2	0.5
100	PI/2 BPSK	135	138	24.01	24.04	24.15		
100	PI/2 BPSK	270	0	23.85	23.94	23.95		
100	QPSK	1	1	24.62	24.69	24.67		
100	QPSK	1	137	24.53	24.58	24.62	25.7	0.0
100	QPSK	1	271	24.65	24.65	24.57		
100	QPSK	135	0	23.44	23.49	23.41		
100	QPSK	135	69	24.38	24.48	24.45		
100	QPSK	135	138	23.56	23.57	23.58	24.7	1.0
100	QPSK	270	0	23.45	23.51	23.36		
100	16QAM	1	1	23.72	23.78	23.87		
100	64QAM	1	1	22.16	22.17	22.09		
100	256QAM	1	1	20.08	19.97	20.06	21.2	4.5
Channel				508200	518598	528998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	24.46	24.57	24.48	25.7	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	24.38	24.41	24.63	25.7	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	24.42	24.54	24.44	25.7	0.0
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	24.45	24.52	24.51	25.7	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	24.42	24.55	24.64	25.7	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	24.48	24.49	24.56	25.7	0.0
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	24.45	24.44	24.50	25.7	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	24.42	24.40	24.64	25.7	0.0



Par270 n77 Ant10 DS4 DFT-30									
BW [MHz]	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)				3750	3840	3930			
100	PI2 BPSK	1	1	24.81	24.93	24.85	25.7	0.0	
100	PI2 BPSK	1	137	24.92	24.88	24.87			
100	PI2 BPSK	1	271	24.86	24.89	24.91			
100	PI2 BPSK	135	0	24.24	24.35	24.31	25.2	0.5	
100	PI2 BPSK	135	69	24.93	24.90	24.86	25.7	0.0	
100	PI2 BPSK	135	138	24.27	24.28	24.38	25.2	0.5	
100	PI2 BPSK	270	0	24.25	24.25	24.30			
100	QPSK	1	1	24.94	23.02	24.92			
100	QPSK	1	137	24.81	24.87	24.76	25.7	0.0	
100	QPSK	1	271	24.72	24.72	24.67	24.7	1.0	
100	QPSK	135	0	23.70	23.77	23.84			
100	QPSK	135	69	24.78	24.80	24.73			
100	QPSK	135	138	23.68	23.73	23.85	24.7	1.0	
100	QPSK	270	0	23.77	23.87	23.80			
100	16QAM	1	1	23.90	23.91	23.86	24.7	1.0	
100	64QAM	1	1	22.12	22.09	22.16	23.2	2.5	
100	256QAM	1	1	20.20	20.21	20.13	21.2	4.5	
Channel									
Frequency (MHz)				649668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	24.68	24.64	24.62	25.7	0.0	
Channel									
Frequency (MHz)				641334	650000	652334	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	24.66	24.90	24.65	25.7	0.0	
Channel									
Frequency (MHz)				649000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	24.74	24.72	24.80	25.7	0.0	
Channel									
Frequency (MHz)				648668	650000	653334	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	24.76	24.69	24.75	25.7	0.0	
Channel									
Frequency (MHz)				641334	650000	652334	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	24.64	24.85	24.76	25.7	0.0	
Channel									
Frequency (MHz)				648000	650000	654000	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	24.68	24.89	24.83	25.7	0.0	
Channel									
Frequency (MHz)				647668	650000	654334	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	24.74	24.73	24.79	25.7	0.0	
Channel									
Frequency (MHz)				641334	650000	652334	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	24.68	24.81	24.81	25.7	0.0	
Channel									
Frequency (MHz)				647168	650000	654834	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	24.43	24.53	24.43	25.7	0.0	
Channel									
Frequency (MHz)				647000	650000	655000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	24.53	24.33	24.42	25.7	0.0	

Par270 n77 Ant10 DS4 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1		24.78		25.7		0.0
100	PI2 BPSK	1	137		25.05				
100	PI2 BPSK	1	271		24.92				
100	PI2 BPSK	135	0		24.43		25.7		0.0
100	PI2 BPSK	135	69		25.00				
100	PI2 BPSK	135	138		24.32				
100	PI2 BPSK	270	0		24.37		25.2		0.5
100	QPSK	1	1		25.13				
100	QPSK	1	137		24.79				
100	QPSK	1	271		24.53		25.7		0.0
100	QPSK	135	0		23.82				
100	QPSK	135	69		23.77				
100	QPSK	135	138		23.91		24.7		1.0
100	QPSK	270	0		23.85				
100	16QAM	1	1		23.71		24.7		1.0
100	64QAM	1	1		22.16		23.2		2.5
100	256QAM	1	1		20.27		21.2		4.5
Channel									
Frequency (MHz)				633000	633334	633668	Tune-up limit (dB)	MPR (dB)	
90	QPSK	1	1	24.80	24.90	24.75	25.7		0.0
Channel									
Frequency (MHz)				3480.02	3500.01	3510.01	Tune-up limit (dB)	MPR (dB)	
80	QPSK	1	1	24.51	25.07	24.69	25.7		0.0
Channel									
Frequency (MHz)				632334	633334	634334	Tune-up limit (dB)	MPR (dB)	
70	QPSK	1	1	24.88	25.07	24.70	25.7		0.0
Channel									
Frequency (MHz)				632000	633334	634668	Tune-up limit (dB)	MPR (dB)	
60	QPSK	1	1	24.72	24.90	24.83	25.7		0.0
Channel									
Frequency (MHz)				631668	633334	635000	Tune-up limit (dB)	MPR (dB)	
50	QPSK	1	1	24.67	24.90	24.86	25.7		0.0
Channel									
Frequency (MHz)				631334	633334	635334	Tune-up limit (dB)	MPR (dB)	
40	QPSK	1	1	24.57	24.97	24.73	25.7		0.0
Channel									
Frequency (MHz)				631000	633334	635668	Tune-up limit (dB)	MPR (dB)	
30	QPSK	1	1	24.77	24.81	24.79	25.7		0.0
Channel									
Frequency (MHz)				630668	633334	636000	Tune-up limit (dB)	MPR (dB)	
20	QPSK	1	1	24.74	24.70	24.76	25.7		0.0
Channel									
Frequency (MHz)				630500	633334	636168	Tune-up limit (dB)	MPR (dB)	
15	QPSK	1	1	24.42	24.37	24.24	25.7		0.0
Channel									
Frequency (MHz)				630334	633334	636334	Tune-up limit (dB)	MPR (dB)	
10	QPSK	1	1	24.44	24.45	24.33	25.7		0.0

Part270 n78 Ant10 DS4 PC3 DFT-30									
BW [MHz]	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)				3750	3750	3750			
100	PI2 BPSK	1	1		25.11		25.7	0.0	
100	PI2 BPSK	1	137		25.13				
100	PI2 BPSK	1	271		25.08				
100	PI2 BPSK	135	0		25.23		25.2	0.5	
100	PI2 BPSK	135	69		25.26		25.7	0.0	
100	PI2 BPSK	135	138		25.11		25.2	0.5	
100	PI2 BPSK	270	0		25.01		25.7	0.0	
100	QPSK	1	1		25.33				
100	QPSK	1	137		25.30		25.7	0.0	
100	QPSK	1	271		25.08				
100	QPSK	135	0		25.03		24.7	1.0	
100	QPSK	135	69		25.10		25.7	0.0	
100	QPSK	135	138		25.09		24.7	1.0	
100	QPSK	270	0		25.13				
100	16QAM	1	1		24.38		24.7	1.0	
100	64QAM	1	1		22.86		23.2	2.5	
100	256QAM	1	1		20.78		21.2	4.5	
Channel									
Frequency (MHz)				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	25.14	25.29	24.90	25.7	0.0	
Channel									
Frequency (MHz)				3740.01	3750	3760.02	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	25.27	25.03	25.14	25.7	0.0	
Channel									
Frequency (MHz)				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	25.14	25.02	25.03	25.7	0.0	
Channel									
Frequency (MHz)				649668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	25.02	25.00	25.01	25.7	0.0	
60	QPSK	1	1	25.10	25.02	24.97	25.7	0.0	
Channel									
Frequency (MHz)				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	25.28	25.12	25.00	25.7	0.0	
Channel									
Frequency (MHz)				3740.02	3750	3760.01	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	25.20	25.07	24.89	25.7	0.0	
Channel									
Frequency (MHz)				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	25.15	25.00	24.85	25.7	0.0	
30	QPSK	1	1	25.20	25.31	25.14	25.7	0.0	
Channel									
Frequency (MHz)				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	25.10	25.00	24.85	25.7	0.0	
Channel									
Frequency (MHz)				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	25.07	25.02	24.95	25.7	0.0	
Channel									
Frequency (MHz)				24.27	24.31	24.39	25.7	0.0	
10	QPSK	1	1	24.20	24.30	24.35	25.7	0.0	
10	QPSK	1	1	24.25	24.29	24.35	25.7	0.0	



Part27Q n78 Ant10 DS4 PC3 DFT-30

BW [MHz]	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	PI2 BPSK	1	1	24.74				
100	PI2 BPSK	1	137	24.75			25.7	0.0
100	PI2 BPSK	1	271	24.97				
100	PI2 BPSK	135	0	24.76			25.2	0.5
100	PI2 BPSK	135	69	24.97			25.7	0.0
100	PI2 BPSK	135	138	24.79			25.2	0.5
100	PI2 BPSK	270	0	24.77				
100	QPSK	1	1	25.08				
100	QPSK	1	137	25.01			25.7	0.0
100	QPSK	1	271	24.77				
100	QPSK	135	0	24.58			24.7	1.0
100	QPSK	135	69	24.75			25.7	0.0
100	QPSK	135	138	24.71			24.7	1.0
100	QPSK	270	0	24.91				
100	16QAM	1	1	24.01			24.7	1.0
100	64QAM	1	1	22.44			23.2	2.5
100	256QAM	1	1	20.44			21.2	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	24.60	24.73	24.73	25.7	0.0
Channel				632665	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	24.84	24.81	24.54	25.7	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	24.70	24.81	24.74	25.7	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	24.76	24.82	24.60	25.7	0.0
Channel				631665	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	24.77	24.85	24.53	25.7	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	24.82	24.66	24.72	25.7	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	24.71	24.88	24.62	25.7	0.0
Channel				630665	633334	635900	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	24.73	24.53	24.66	25.7	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	24.97	25.18	25.07	25.7	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	25.12	25.30	25.20	25.7	0.0

Part27O n78 Ant10 DS4 PC2 DFT-30

BW [MHz]	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	PI2 BPSK	1	1		26.29			
100	PI2 BPSK	1	137		26.22		27.0	0.0
100	PI2 BPSK	1	271		26.07			
100	PI2 BPSK	135	0		26.20		26.5	0.5
100	PI2 BPSK	135	69		26.29		27.0	0.0
100	PI2 BPSK	135	138		26.31		26.5	0.5
100	PI2 BPSK	270	0		26.09			
100	QPSK	1	1		26.34			
100	QPSK	1	137		26.23		27.0	0.0
100	QPSK	1	271		26.31			
100	QPSK	135	0		26.20		26.0	1.0
100	QPSK	135	69		26.22		27.0	0.0
100	QPSK	135	138		26.10		26.0	1.0
100	QPSK	270	0		26.10			
100	16QAM	1	1		25.27		26.0	1.0
100	64QAM	1	1		23.93		24.5	2.5
100	256QAM	1	1		21.88		22.5	4.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	26.18	26.32	25.93	27.0	0.0
Channel				649334	650000	650500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	26.11	26.25	25.98	27.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	26.21	26.25	26.11	27.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	26.18	26.15	25.93	27.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	26.25	26.15	26.05	27.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	26.27	26.13	25.91	27.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	26.08	26.23	26.09	27.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	26.07	26.16	26.09	27.0	0.0
Channel				647168	650000	652934	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	25.81	25.94	26.03	27.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	26.03	25.93	26.01	27.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI2 BPSK	1	1		25.91			
100	PI2 BPSK	1	137		26.00		27.0	0.0
100	PI2 BPSK	1	271		25.91			
100	PI2 BPSK	135	0		25.91		26.5	0.5
100	PI2 BPSK	135	69		25.99		27.0	0.0
100	PI2 BPSK	135	138		25.93		26.5	0.5
100	PI2 BPSK	270	0		25.92			
100	QPSK	1	1		25.14			
100	QPSK	1	137		26.11		27.0	0.0
100	QPSK	1	271		25.96			
100	QPSK	135	0		25.90		26.0	1.0
100	QPSK	135	69		25.93		27.0	0.0
100	QPSK	135	138		25.82		26.0	1.0
100	QPSK	270	0		25.88			
100	16QAM	1	1		25.07		26.0	1.0
100	64QAM	1	1		23.63		24.5	2.5
100	256QAM	1	1		21.61		22.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	26.07	26.00	25.70	27.0	0.0
Channel				632665	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	25.88	26.04	25.78	27.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	26.06	26.15	25.90	27.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	26.08	25.93	25.70	27.0	0.0
Channel				631665	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	25.92	26.10	25.87	27.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	25.97	26.06	25.80	27.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	26.03	26.08	25.86	27.0	0.0
Channel				630665	633334	635900	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	25.91	25.99	25.85	27.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3458	3500	3542		
15	QPSK	1	1	26.77	26.80	26.66	27.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	1	26.79	26.81	26.73	27.0	0.0

Par270 n77 Ant11 DS14 DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	24.7	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	23.99	24.15	24.22	24.7	0.0
100	PI/2 BPSK	1	137	24.22	24.27	24.25		
100	PI/2 BPSK	1	271	24.21	24.20	24.04		
100	PI/2 BPSK	135	0	23.80	23.70	23.57		
100	PI/2 BPSK	135	69	24.03	24.17	24.22	24.7	0.0
100	PI/2 BPSK	135	138	23.58	23.46	23.56	24.7	0.0
100	PI/2 BPSK	270	0	23.59	23.62	23.73		
100	QPSK	1	1	24.23	24.37	24.04	24.7	0.0
100	QPSK	1	137	24.20	24.19	24.08		
100	QPSK	1	271	24.12	24.22	24.24		
100	QPSK	135	0	23.67	24.14	24.22		
100	QPSK	135	69	23.99	24.27	24.16	24.7	0.0
100	QPSK	135	138	23.81	23.92	23.79	24.7	0.0
100	QPSK	270	0	23.83	24.14	23.84	24.7	0.0
100	16QAM	1	1	24.01	24.16	24.14		
100	64QAM	1	1	22.40	22.64	22.33		
100	256QAM	1	1	20.82	21.13	20.86		
Channel				646668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	24.10	24.24	23.37	24.7	0.0
Channel				646334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	24.04	24.24	24.04	24.7	0.0
Channel				646000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	24.19	24.33	24.02	24.7	0.0
Channel				646668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	24.19	24.25	23.91	24.7	0.0
Channel				646334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	24.07	24.16	24.05	24.7	0.0
Channel				646000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	24.02	24.23	23.95	24.7	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	24.12	24.22	23.91	24.7	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	24.07	24.22	23.83	24.7	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.02	3840	3972.51		
15	QPSK	1	1	23.95	24.10	23.72	24.7	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	23.95	24.03	23.82	24.7	0.0

Par27Q n77 Ant11 DS14 DFT-30								
BW [MHz]	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	24.7	0.0
Frequency (MHz)								
100	PI/2 BPSK	1	1			24.05	24.7	0.0
100	PI/2 BPSK	1	137			24.16		
100	PI/2 BPSK	1	271			24.10		
100	PI/2 BPSK	135	0			23.55		
100	PI/2 BPSK	135	69			23.96	24.7	0.0
100	PI/2 BPSK	135	138			23.28		
100	PI/2 BPSK	270	0			23.51	24.7	0.0
100	QPSK	1	1			24.23	24.7	0.0
100	QPSK	1	137			24.18		
100	QPSK	1	271			24.06		
100	QPSK	135	0			24.12		
100	QPSK	135	69			24.14	24.7	0.0
100	QPSK	135	138			23.93		
100	QPSK	270	0			23.98	24.7	0.0
100	16QAM	1	1			24.09	24.7	0.0
100	64QAM	1	1			22.50	23.2	1.5
100	256QAM	1	1			20.97	21.7	3.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	23.91	24.14	23.80	24.7	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	24.12	24.22	23.79	24.7	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	24.04	24.06	23.97	24.7	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	23.94	24.13	23.67	24.7	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	23.95	24.15	23.82	24.7	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	23.95	24.10	23.72	24.7	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	23.95	24.03	23.82	24.7	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	24.05	24.07	23.71	24.7	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	24.07	24.18	24.05	24.7	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	24.19	24.33	24.02	24.7	0.0

Part270 n78 Ant11 DS4 PC2&PC3 DFT-30									
BW [MHz]	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		24.44		25.0	0.0	
100	PI/2 BPSK	1	137		24.49				
100	PI/2 BPSK	1	271		24.60		25.0	0.0	
100	PI/2 BPSK	135	0		24.29				
100	PI/2 BPSK	135	69		24.43		25.0	0.0	
100	PI/2 BPSK	135	138		24.53		25.0	0.0	
100	PI/2 BPSK	270	0		24.53		25.0	0.0	
100	QPSK	1	1		24.62		25.0	0.0	
100	QPSK	1	137		24.59				
100	QPSK	1	271		24.45		25.0	0.0	
100	QPSK	135	0		23.79				
100	QPSK	135	69		24.29		25.0	0.0	
100	QPSK	135	138		23.87		25.0	0.0	
100	QPSK	270	0		23.97		25.0	0.0	
100	16QAM	1	1		24.00		24.7	0.3	
100	64QAM	1	1		22.62		23.2	1.8	
100	256QAM	1	1		20.41		21.2	3.8	
Channel				640668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		24.42	24.50	24.43	25.0	0.0
Channel				640334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		24.21	24.44	24.31	25.0	0.0
Channel				640000	650000	651090	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		24.42	24.36	24.20	25.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		24.29	24.42	24.30	25.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		24.38	24.49	24.31	25.0	0.0
Channel				648000	650000	652090	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		24.23	24.29	24.25	25.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		24.26	24.41	24.30	25.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		24.29	24.47	24.37	25.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		24.22	24.50	24.24	25.0	0.0
Channel				647000	650000	653090	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		24.42	24.50	24.32	25.0	0.0

Part27Q n78 Ant11 DS4 PC2&PC3 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		24.45		25.0	0.0	
100	PI/2 BPSK	1	137		24.50				
100	PI/2 BPSK	1	271		24.49		25.0	0.0	
100	PI/2 BPSK	135	0		24.30		25.0	0.0	
100	PI/2 BPSK	135	69		24.36		25.0	0.0	
100	PI/2 BPSK	135	138		24.37		25.0	0.0	
100	PI/2 BPSK	270	0		24.08				
100	QPSK	1	1		24.70		25.0	0.0	
100	QPSK	1	137		24.33				
100	QPSK	1	271		24.58		25.0	0.0	
100	QPSK	135	0		23.84		25.0	0.0	
100	QPSK	135	69		24.32		25.0	0.0	
100	QPSK	135	138		23.68		25.0	0.0	
100	QPSK	270	0		23.77				
100	16QAM	1	1		24.16		24.7	0.3	
100	64QAM	1	1		22.48		23.2	1.8	
100	256QAM	1	1		20.17		21.2	3.8	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		24.35	24.30	24.33	25.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		24.28	24.36	24.36	25.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		24.29	24.37	24.28	25.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		24.22	24.36	24.32	25.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		24.22	24.50	24.24	25.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		24.29	24.50	24.41	25.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		24.42	24.50	24.32	25.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		24.40	24.36	24.38	25.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1		24.23	24.29	24.25	25.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1		24.42	24.36	24.29	25.0	0.0



Par270 n77 Ant12 DS14 DFT-30

BW [MHz]	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)				3750	3840	3930		
100	PV2 BPSK	1	1	23.37	23.38	23.54		
100	PV2 BPSK	1	137	23.33	23.44	23.30	24.7	0.0
100	PV2 BPSK	1	271	23.45	23.40	23.43		
100	PV2 BPSK	135	0	23.29	23.33	23.48	24.7	0.0
100	PV2 BPSK	135	69	23.26	23.21	23.44	24.7	0.0
100	PV2 BPSK	135	138	23.21	23.21	23.51		
100	PV2 BPSK	270	0	23.20	23.33	23.34	24.7	0.0
100	QPSK	1	1	23.23	23.67	23.34		
100	QPSK	1	137	23.46	23.45	23.40	24.7	0.0
100	QPSK	1	271	23.48	23.57	23.48		
100	QPSK	135	0	22.33	22.22	22.52	24.7	0.0
100	QPSK	135	69	23.26	23.98	23.24	24.7	0.0
100	QPSK	135	138	23.33	23.24	23.30		
100	QPSK	270	0	23.26	23.35	23.34	24.7	0.0
100	16QAM	1	1	23.18	23.23	23.43	24.7	0.0
100	16QAM	1	1	21.71	22.28	21.88	23.2	1.5
100	256QAM	1	1	19.72	20.21	19.91	21.2	3.5
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
99	QPSK	1	1	23.11	23.69	23.35	24.7	0.0
Channel								
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	23.17	23.47	23.25	24.7	0.0
Channel								
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	23.24	23.52	23.13	24.7	0.0
Channel								
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	23.05	23.61	23.16	24.7	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	23.10	23.51	23.15	24.7	0.0
Channel								
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	23.08	23.60	23.20	24.7	0.0
Channel								
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	23.23	23.61	23.33	24.7	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	23.14	23.54	23.27	24.7	0.0
Channel								
Frequency (MHz)				3707.98	3840	3972.91		
15	QPSK	1	1	23.22	23.35	23.33	24.7	0.0
Channel								
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	23.44	23.43	23.44	24.7	0.0

Part27Q n77 Ant12 DS14 DFT-30

BW [MHz]	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)					3500.01			
100	PV2 BPSK	1	1		23.29			
100	PV2 BPSK	1	137		23.37		24.7	0.0
100	PV2 BPSK	1	271		23.37			
100	PV2 BPSK	135	0		23.23		24.7	0.0
100	PV2 BPSK	135	69		23.18		24.7	0.0
100	PV2 BPSK	135	138		23.09		24.7	0.0
100	PV2 BPSK	270	0		23.13			
100	QPSK	1	1		23.64			
100	QPSK	1	137		23.51		24.7	0.0
100	QPSK	1	271		23.56			
100	QPSK	135	0		22.23		24.7	0.0
100	QPSK	135	69		23.36		24.7	0.0
100	QPSK	135	138		23.30			
100	QPSK	270	0		23.37		24.7	0.0
100	16QAM	1	1		23.17		24.7	0.0
100	16QAM	1	1		22.26		23.2	1.5
100	256QAM	1	1		20.04		21.2	3.5
Channel								
Frequency (MHz)				633000	633334	633668		
99	QPSK	1	1	3495	3500.01	3505.02		
Channel								
Frequency (MHz)				632968	633334	634000		
80	QPSK	1	1	3490.02	3500.01	3510		
Channel								
Frequency (MHz)				632816	633334	634868		
70	QPSK	1	1	23.24	23.54	23.48	24.7	0.0
Channel								
Frequency (MHz)				632656	633334	635500		
60	QPSK	1	1	23.22	23.35	23.33	24.7	0.0
Channel								
Frequency (MHz)				632504	633334	636168		
50	QPSK	1	1	23.44	23.43	23.44	24.7	0.0
Channel								
Frequency (MHz)				632352	633334	636832		
40	QPSK	1	1	23.23	23.65	23.39	24.7	0.0
Channel								
Frequency (MHz)				632200	633334	637500		
30	QPSK	1	1	23.22	23.54	23.43	24.7	0.0
Channel								
Frequency (MHz)				632048	633334	638168		
20	QPSK	1	1	23.42	23.41	23.42	24.7	0.0
Channel								
Frequency (MHz)				631896	633334	638832		
15	QPSK	1	1	23.06	23.60	23.25	24.7	0.0
Channel								
Frequency (MHz)				631744	633334	639496		
10	QPSK	1	1	23.24	23.52	23.13	24.7	0.0

Part27Q n78 Ant12 DS14 PC3 DFT-30

BW [MHz]	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)				3750	3750	3750		
100	PV2 BPSK	1	1		23.26			
100	PV2 BPSK	1	137		22.91		24.0	0.0
100	PV2 BPSK	1	271		23.00			
100	PV2 BPSK	135	0		22.53		23.5	0.5
100	PV2 BPSK	135	69		22.91		24.0	0.0
100	PV2 BPSK	135	138		22.98		23.5	0.5
100	PV2 BPSK	270	0		22.51			
100	QPSK	1	1		23.16			
100	QPSK	1	137		22.98		24.0	0.0
100	QPSK	1	271		23.08			
100	QPSK	135	0		21.94		23.0	1.0
100	QPSK	135	69		22.92		24.0	0.0
100	QPSK	135	138		21.94			
100	QPSK	270	0		22.07		23.0	1.0
100	16QAM	1	1		22.00		23.0	1.0
100	16QAM	1	1		20.99		21.5	2.5
100	256QAM	1	1		19.51		19.5	4.5
Channel								
Frequency (MHz)				649668	650000	650334		
99	QPSK	1	1	3745.02	3750	3755.01		
Channel								
Frequency (MHz)				649534	650000	650668		
80	QPSK	1	1	23.09	23.01	22.96	24.0	0.0
Channel								
Frequency (MHz)				649401	650000	651002		
70	QPSK	1	1	23.03	23.00	23.05	24.0	0.0
Channel								
Frequency (MHz)				649268	650000	651500		
60	QPSK	1	1	22.96	23.03	22.87	24.0	0.0
Channel								
Frequency (MHz)				649134	650000	651998		
50	QPSK	1	1	22.95	22.95	23.03	24.0	0.0
Channel								
Frequency (MHz)				649000	650000	652000		
40	QPSK	1	1	23.04	23.40	23.01	24.0	0.0
Channel								
Frequency (MHz)				647668	650000	652534		
30	QPSK	1	1	22.95	22.94	22.87	24.0	0.0
Channel								
Frequency (MHz)				647534	650000	653002		
20	QPSK	1	1	23.01	22.97	23.05	24.0	0.0
Channel								
Frequency (MHz)				647400	650000	653496		
15	QPSK	1	1	22.96	23.03	22.97	24.0	0.0
Channel								
Frequency (MHz)				647305	650000	653996		
10	QPSK	1	1	22.95	22.95	23.03	24.0	0.0



Part27Q 78 Ant12 DS14 PC3 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pi2 BPSK	1	1	23.27	3500.01				
100	Pi2 BPSK	1	137	23.01			24.0	0.0	
100	Pi2 BPSK	1	271	23.14					
100	Pi2 BPSK	135	0	22.70			24.0	0.0	
100	Pi2 BPSK	135	69	23.08					
100	Pi2 BPSK	135	138	22.73					
100	Pi2 BPSK	270	0	22.61			23.5	0.5	
100	QPSK	1	1	23.26					
100	QPSK	1	137	23.15			24.0	0.0	
100	QPSK	1	271	23.26					
100	QPSK	135	0	22.04					
100	QPSK	135	69	22.16			24.0	0.0	
100	QPSK	135	138	22.09					
100	QPSK	270	0	22.25			23.0	1.0	
100	16QAM	1	1	22.19			23.0	1.0	
100	64QAM	1	1	22.80			21.5	2.5	
100	256QAM	1	1	18.02			19.5	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	23.23	23.19	23.13	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.16	23.22	23.17	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	23.21	23.17	23.23	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.23	23.15	23.18	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.19	23.20	23.14	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.21	23.12	23.20	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.17	23.18	23.19	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.17	23.13	23.16	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.21	23.17	23.23	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.21	23.12	23.14	24.0	0.0	

Part27Q n78 Ant12 DS14 PC2 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pi2 BPSK	1	1	24.62	3750	3750			
100	Pi2 BPSK	1	137	24.56			26.5	0.0	
100	Pi2 BPSK	1	271	24.63					
100	Pi2 BPSK	135	0	24.21			26.5	0.0	
100	Pi2 BPSK	135	69	24.60			26.5	0.0	
100	Pi2 BPSK	135	138	24.51			26.5	0.0	
100	Pi2 BPSK	270	0	24.67					
100	QPSK	1	1	24.68			26.5	0.0	
100	QPSK	1	137	24.58					
100	QPSK	1	271	24.59					
100	QPSK	135	0	24.12			26.0	0.5	
100	QPSK	135	69	24.65			26.5	0.0	
100	QPSK	135	138	24.18			26.0	0.5	
100	QPSK	270	0	24.08			26.0	0.5	
100	16QAM	1	1	24.11			26.0	0.5	
100	64QAM	1	1	22.56			24.5	2.0	
100	256QAM	1	1	20.05			22.5	4.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	24.65	24.61	24.66	26.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	24.57	24.51	24.60	26.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	24.56	24.60	24.57	26.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	24.55	24.66	24.65	26.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	24.50	24.66	24.67	26.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	24.68	24.66	24.54	26.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	24.66	24.54	24.57	26.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	24.64	24.67	24.67	26.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	24.55	24.66	24.65	26.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	24.57	24.51	24.60	26.5	0.0	

Part27Q 78 Ant12 DS14 PC2 DFT-30									
BW [MHz]	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)				63300.1		63500.1			
100	Pi2 BPSK	1	1	24.53					
100	Pi2 BPSK	1	137	24.62			26.5	0.0	
100	Pi2 BPSK	1	271	24.64					
100	Pi2 BPSK	135	0	24.60			26.5	0.0	
100	Pi2 BPSK	135	69	24.53			26.5	0.0	
100	Pi2 BPSK	135	138	24.62			26.5	0.0	
100	Pi2 BPSK	270	0	24.56					
100	QPSK	1	1	24.61			26.5	0.0	
100	QPSK	1	137	24.63					
100	QPSK	1	271	24.58					
100	QPSK	135	0	24.08			26.0	0.5	
100	QPSK	135	69	24.68			26.5	0.0	
100	QPSK	135	138	24.14			26.0	0.5	
100	QPSK	270	0	24.15			26.0	0.5	
100	16QAM	1	1	24.55			26.0	0.5	
100	64QAM	1	1	22.09			24.5	2.0	
100	256QAM	1	1	20.58			22.5	4.0	
Channel									
Frequency (MHz)				63300.1		63500.1		Tune-up limit (dBm) MPR (dB)	
90	QPSK	1	1	24.58	24.60	24.55	26.5	0.0	
Channel									
Frequency (MHz)				3460.02		3500.01		Tune-up limit (dBm) MPR (dB)	
80	QPSK	1	1	24.51	24.56	24.50	26.5	0.0	
Channel									
Frequency (MHz)				3460.01		3530.01		Tune-up limit (dBm) MPR (dB)	
70	QPSK	1	1	24.60	24.52	24.68	26.5	0.0	
Channel									
Frequency (MHz)				3460.00		3500.01		Tune-up limit (dBm) MPR (dB)	
60	QPSK	1	1	24.61	24.72	24.58	26.5	0.0	
Channel									
Frequency (MHz)				3469.98		3530.01		Tune-up limit MPR (dB)	
50	QPSK	1	1	24.62	24.69	24.61	26.5	0.0	
Channel									
Frequency (MHz)				3470.02		3500.01		Tune-up limit (dBm) MPR (dB)	
40	QPSK	1	1	24.54	24.67	24.51	26.5	0.0	
Channel									
Frequency (MHz)				3460.00		3530.01		Tune-up limit (dBm) MPR (dB)	
30	QPSK	1	1	24.68	24.53	24.52	26.5	0.0	
Channel									
Frequency (MHz)				3460.02		3500.01		Tune-up limit (dBm) MPR (dB)	
20	QPSK	1	1	24.49	24.55	24.48	26.5	0.0	
Channel									
Frequency (MHz)				3458.3000		3540.3000		Tune-up limit (dBm) MPR (dB)	
15	QPSK	1	1	24.60	24.52	24.68	26.5	0.0	
Channel									
Frequency (MHz)				3455.3000		3530.3000		Tune-up limit (dBm) MPR (dB)	
10	QPSK	1	1	24.62	24.53	24.63	26.5	0.0	

Par270 n77 Ant13 DS14 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Channel	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
				Frequency (MHz)	650000	656000	662000		
100	PI/2 BPSK	1	1		3750	3840	3930	22.7	0.0
100	PI/2 BPSK	1	137		22.26	22.26	22.04		
100	PI/2 BPSK	1	271		22.09	22.18	22.19		
100	PI/2 BPSK	135	0		22.05	22.24	22.19		
100	PI/2 BPSK	135	69		22.10	22.21	22.22	22.7	0.0
100	PI/2 BPSK	135	138		21.95	22.06	21.84	22.7	0.0
100	PI/2 BPSK	270	0		22.12	22.13	22.14		
100	QPSK	1	1		22.17	22.39	22.18		
100	QPSK	1	137		22.23	22.23	22.09		
100	QPSK	1	271		22.14	22.18	22.05	22.7	0.0
100	QPSK	135	0		22.16	22.12	22.16		
100	QPSK	135	69		22.12	22.17	21.97		
100	QPSK	135	138		22.02	22.12	21.92		
100	QPSK	270	0		22.03	22.11	21.97	22.7	0.0
100	16QAM	1	1		22.16	22.38	22.34	22.7	0.0
100	64QAM	1	1		22.31	22.34	22.20	22.7	0.0
100	256QAM	1	1		20.55	20.70	20.67	21.2	1.5
				Channel	648668	656000	662334	Tune-up limit (dBm)	MPR (dB)
				Frequency (MHz)	3745.02	3840	3935.01		
90	QPSK	1	1		22.01	22.24	22.00	22.7	0.0
				Channel	648334	656000	662668	Tune-up limit (dBm)	MPR (dB)
				Frequency (MHz)	3740.01	3840	3940.02		
80	QPSK	1	1		22.00	22.37	22.10	22.7	0.0
				Channel	648000	656000	663000	Tune-up limit (dBm)	MPR (dB)
				Frequency (MHz)	3735	3840	3945		
70	QPSK	1	1		22.17	22.31	22.01	22.7	0.0
				Channel	648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
				Frequency (MHz)	3730.02	3840	3950.01		
60	QPSK	1	1		22.10	22.21	22.16	22.7	0.0
				Channel	648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
				Frequency (MHz)	3725.01	3840	3955.02		
50	QPSK	1	1		21.98	22.38	22.20	22.7	0.0
				Channel	648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
				Frequency (MHz)	3720	3840	3960		
40	QPSK	1	1		22.08	22.19	22.18	22.7	0.0
				Channel	647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
				Frequency (MHz)	3715.02	3840	3965.01		
30	QPSK	1	1		22.11	22.30	21.97	22.7	0.0
				Channel	647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
				Frequency (MHz)	3710.01	3840	3970.02		
20	QPSK	1	1		21.97	22.18	22.06	22.7	0.0
				Channel	647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
				Frequency (MHz)	3707.52	3840	3972.51		
15	QPSK	1	1		21.96	22.38	22.20	22.7	0.0
				Channel	647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
				Frequency (MHz)	3705	3840	3975		
10	QPSK	1	1		22.00	22.37	22.10	22.7	0.0

Part27Q n77 Ant13 DS14 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dbm)	MPR (db)	
Channel					633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		22.04		22.7	0.0	
100	PI/2 BPSK	1	137		22.03				
100	PI/2 BPSK	1	271		22.01				
100	PI/2 BPSK	135	0		22.25		22.7	0.0	
100	PI/2 BPSK	135	69		22.07		22.7	0.0	
100	PI/2 BPSK	135	138		21.98		22.7	0.0	
100	PI/2 BPSK	270	0		21.97				
100	QPSK	1	1		22.23				
100	QPSK	1	137		22.16		22.7	0.0	
100	QPSK	1	271		22.09				
100	QPSK	135	0		22.02				
100	QPSK	135	69		22.05		22.7	0.0	
100	QPSK	135	138		21.97		22.7	0.0	
100	QPSK	270	0		21.88				
100	16QAM	1	1		22.39				
100	64QAM	1	1		22.15		22.7	0.0	
100	256QAM	1	1		20.47		22.7	0.0	
Channel				633000	633334	633668	Tune-up limit (dbm)	1.5	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	21.81	21.90	22.07	22.7	0.0	
Channel				632668	633334	634000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	21.90	22.09	22.00	22.7	0.0	
Channel				632334	633334	634334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	21.81	21.95	22.19	22.7	0.0	
Channel				632000	633334	634668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	21.85	22.05	22.07	22.7	0.0	
Channel				631668	633334	635000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	21.93	22.08	22.00	22.7	0.0	
Channel				631334	633334	635334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	21.93	21.93	22.23	22.7	0.0	
Channel				631000	633334	635668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	22.03	21.84	22.12	22.7	0.0	
Channel				630668	633334	636000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	21.82	21.89	22.09	22.7	0.0	
Channel				630500	633334	636168	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	21.81	21.95	22.19	22.7	0.0	
Channel				630334	633334	636334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	21.93	21.93	22.23	22.7	0.0	

Part270 n78 Ant13 DS14 PC2&PC3 DFT-30									
BW [MHz]	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		21.38				
100	PI/2 BPSK	1	137		21.22		22.5	0.0	
100	PI/2 BPSK	1	271		21.09				
100	PI/2 BPSK	135	0		21.04		22.5	0.0	
100	PI/2 BPSK	135	69		21.19		22.5	0.0	
100	PI/2 BPSK	135	138		21.04				
100	PI/2 BPSK	270	0		20.72		22.5	0.0	
100	QPSK	1	1		21.54				
100	QPSK	1	137		21.22		22.5	0.0	
100	QPSK	1	271		21.22				
100	QPSK	135	0		20.54		22.5	0.0	
100	QPSK	135	69		21.41		22.5	0.0	
100	QPSK	135	138		20.54				
100	QPSK	270	0		20.52		22.5	0.0	
100	16QAM	1	1		21.22		22.5	0.0	
100	64QAM	1	1		21.16		21.5	1.0	
100	256QAM	1	1		19.25		19.5	3.0	
Channel				649668	650000	650334			
Frequency (MHz)				3745.02	3750	3755.01	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		21.43	21.42	21.40	22.5	
Channel				649334	650000	650668			
Frequency (MHz)				3740.01	3750	3760.02	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		21.36	21.28	21.34	22.5	
Channel				649000	650000	651000			
Frequency (MHz)				3735	3750	3765	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		21.24	21.44	21.20	22.5	
Channel				648668	650000	651334			
Frequency (MHz)				3730.02	3750	3770.01	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		21.37	21.38	21.40	22.5	
Channel				648334	650000	651668			
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		21.47	21.25	21.44	22.5	
Channel				648000	650000	652000			
Frequency (MHz)				3720	3750	3780	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		21.30	21.17	21.27	22.5	
Channel				647668	650000	652334			
Frequency (MHz)				3715.02	3750	3785.01	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		21.35	21.42	21.40	22.5	
Channel				647334	650000	652668			
Frequency (MHz)				3710.01	3750	3790.02	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		21.43	21.29	21.34	22.5	
Channel				647000	650000	652834			
Frequency (MHz)				3707.52	3750	3792.51	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		21.37	21.38	21.40	22.5	
Channel				647000	650000	653000			
Frequency (MHz)				3705	3750	3795	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		21.36	21.28	21.34	22.5	

Part27Q n78 Ant13 DS14 PC2&PC3 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		21.62				
100	PI/2 BPSK	1	137		21.20		22.5	0.0	
100	PI/2 BPSK	1	271		21.31				
100	PI/2 BPSK	135	0		21.19		22.5	0.0	
100	PI/2 BPSK	135	69		21.31		22.5	0.0	
100	PI/2 BPSK	135	138		20.96				
100	PI/2 BPSK	270	0		20.71		22.5	0.0	
100	QPSK	1	1		21.69				
100	QPSK	1	137		21.18		22.5	0.0	
100	QPSK	1	271		21.46				
100	QPSK	135	0		20.68		22.5	0.0	
100	QPSK	135	69		21.51		22.5	0.0	
100	QPSK	135	138		20.67				
100	QPSK	270	0		20.70		22.5	0.0	
100	16QAM	1	1		20.68		22.5	0.0	
100	64QAM	1	1		21.21		21.5	1.0	
100	256QAM	1	1		19.26		19.5	3.0	
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		21.57	21.61	21.49	22.5	
Channel				632668	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		21.45	21.42	21.35	22.5	
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		21.53	21.39	21.36	22.5	
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		21.37	21.49	21.25	22.5	
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		21.42	21.63	21.47	22.5	
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		21.57	21.47	21.34	22.5	
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		21.42	21.50	21.34	22.5	
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		21.34	21.50	21.46	22.5	
Channel				630500	633334	636168			
Frequency (MHz)				3457.5	3500.01	3542.52	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1		21.53	21.39	21.36	22.5	
Channel				630334	633334	636334			
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1		21.57	21.61	21.49	22.5	



n5 Ant0 DSIS DFT-15								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166850	167300	167800	25.5	0.0
Frequency (MHz)				834	836.5	838		
20	PQ2 BPSK	1	1	24.99	25.01	24.80		
20	PQ2 BPSK	1	50	25.06	25.07	24.80		
20	PQ2 BPSK	1	104	24.74	24.98	24.95	25.0	0.5
20	PQ2 BPSK	50	0	24.55	24.53	24.43	25.0	0.5
20	PQ2 BPSK	50	28	24.92	25.06	24.85	25.5	0.0
20	PQ2 BPSK	50	56	24.46	24.49	24.36	25.0	0.5
20	PQ2 BPSK	100	0	24.40	24.47	24.29		
20	QPSK	1	1	24.98	25.20	25.15	25.5	0.0
20	QPSK	1	53	25.09	25.15	25.08		
20	QPSK	1	104	24.87	25.13	25.06		
20	QPSK	50	0	23.94	24.09	23.97	24.5	1.0
20	QPSK	50	28	25.13	25.17	25.09	25.5	0.0
20	QPSK	50	56	23.93	24.05	23.94	24.5	1.0
20	QPSK	100	0	23.89	24.06	23.88		
20	16QAM	1	1	23.90	23.97	23.80	24.5	1.0
20	64QAM	1	1	22.86	22.43	22.37	23.0	2.5
20	256QAM	1	1	20.26	20.40	20.20	21.0	4.5
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR
Frequency (MHz)				831.5	836.5	841.5	25.5	0.0
15	QPSK	1	1	25.17	25.14	25.11		
Channel				165200	167300	165500	Tune-up limit (dBm)	MPR
Frequency (MHz)				829	836.5	844	25.5	0.0
10	QPSK	1	1	25.19	25.10	25.12		
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR
Frequency (MHz)				824.5	836.5	846.5	25.5	0.0
5	QPSK	1	1	25.08	25.16	25.02		

n7 Ant0 DSIS DFT-15								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				949000	507000	510000	23.5	0.0
Frequency (MHz)				2520	2635	2650		
40	PQ2 BPSK	1	1	22.62	22.80	22.59		
40	PQ2 BPSK	1	108	22.55	22.83	22.64		
40	PQ2 BPSK	1	214	22.58	22.59	22.59	23.5	0.0
40	PQ2 BPSK	108	0	22.49	22.64	22.52	23.5	0.0
40	PQ2 BPSK	108	54	22.58	22.59	22.51	23.5	0.0
40	PQ2 BPSK	108	108	22.83	22.61	22.62	23.5	0.0
40	PQ2 BPSK	216	0	22.52	22.83	22.76		
40	QPSK	1	1	22.51	22.87	22.80	23.5	0.0
40	QPSK	1	108	22.55	22.85	22.81		
40	QPSK	1	214	22.57	22.83	22.53		
40	QPSK	108	0	22.48	22.58	22.59	22.5	1.0
40	QPSK	108	54	22.47	22.60	22.54	23.5	0.0
40	QPSK	108	108	22.46	22.55	22.55	22.5	1.0
40	QPSK	216	0	22.51	22.54	22.49		
40	16QAM	1	1	22.50	22.86	22.80	23.5	0.0
40	64QAM	1	1	21.27	21.24	21.26	22.0	1.5
40	256QAM	1	1	19.13	19.10	19.17	20.0	3.5
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2515	2635	2655	23.5	0.0
30	QPSK	1	1	22.41	22.54	22.38		
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR
Frequency (MHz)				2512.5	2635	2657.5	23.5	0.0
25	QPSK	1	1	22.62	22.56	22.55		
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2510	2635	2660	23.5	0.0
20	QPSK	1	1	22.41	22.39	22.44		
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR
Frequency (MHz)				2507.5	2635	2662.5	23.5	0.0
15	QPSK	1	1	22.42	22.56	22.35		
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2505	2635	2665	23.5	0.0
10	QPSK	1	1	22.51	22.55	22.53		
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR
Frequency (MHz)				2502.5	2635	2667.5	23.5	0.0
5	QPSK	1	1	22.46	22.50	22.50		

n66 Ant0 DSIS DFT-15								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000	24.5	0.0
Frequency (MHz)				1730	1745	1760		
40	PQ2 BPSK	1	1	22.70	22.75	22.77		
40	PQ2 BPSK	1	108	22.90	22.93	22.89		
40	PQ2 BPSK	1	214	22.81	22.81	22.83	24.0	0.5
40	PQ2 BPSK	108	0	22.34	22.28	22.24	24.0	0.5
40	PQ2 BPSK	108	54	22.84	22.87	22.83	24.5	0.0
40	PQ2 BPSK	108	108	22.46	22.40	22.40	24.0	0.5
40	PQ2 BPSK	216	0	22.43	22.41	22.46		
40	QPSK	1	1	22.91	22.85	22.85	24.5	0.0
40	QPSK	1	108	22.84	22.92	22.93		
40	QPSK	1	214	22.89	22.90	22.86		
40	QPSK	108	0	21.90	21.85	21.87	23.5	1.0
40	QPSK	108	54	22.86	22.91	22.90	24.5	0.0
40	QPSK	108	108	21.92	21.92	21.97	23.5	1.0
40	QPSK	216	0	21.91	21.99	21.97		
40	16QAM	1	1	22.08	22.07	22.03	23.5	1.0
40	64QAM	1	1	20.56	20.55	20.52	22.0	2.5
40	256QAM	1	1	18.17	18.10	18.07	20.0	4.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1725	1745	1765	24.5	0.0
30	QPSK	1	1	22.72	22.71	22.74		
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1720	1745	1770	24.5	0.0
20	QPSK	1	1	22.75	22.81	22.84		
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1717.5	1745	1772.5	24.5	0.0
15	QPSK	1	1	22.76	22.70	22.75		
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1715	1745	1775	24.5	0.0
10	QPSK	1	1	22.67	22.78	22.83		
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1712.5	1745	1777.5	24.5	0.0
5	QPSK	1	1	22.76	22.75	22.86		

n38 Ant0 DSIS DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				2590.02	2595	2599.98	22.5	0.0
Frequency (MHz)								
40	PI/2 BPSK	1	1	20.95	20.88	20.87	22.5	0.0
40	PI/2 BPSK	1	53	20.79	20.86	20.95		
40	PI/2 BPSK	1	104	20.92	20.95	20.90		
40	PI/2 BPSK	50	0	20.14	20.16	20.12		
40	PI/2 BPSK	50	28	20.96	20.96	20.96	22.5	0.0
40	PI/2 BPSK	50	56	20.56	20.58	20.55	22.0	0.5
40	PI/2 BPSK	100	0	20.32	20.29	20.32		
40	QPSK	1	1	20.96	20.99	20.86	22.5	0.0
40	QPSK	1	53	20.98	20.95	20.92		
40	QPSK	1	104	20.88	20.86	20.89		
40	QPSK	50	0	19.58	19.53	19.51		
40	QPSK	50	28	20.70	20.73	20.69	22.5	0.0
40	QPSK	50	56	20.07	20.07	20.05	21.5	1.0
40	QPSK	100	0	19.66	19.68	19.76		
40	16QAM	1	1	19.88	19.92	19.87	21.5	1.0
40	64QAM	1	1	18.48	18.51	18.57	20.0	2.5
40	256QAM	1	1	16.63	16.60	16.59	18.0	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	20.88	20.86	20.76	22.5	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2590	2595	2610		
20	QPSK	1	1	20.99	20.96	20.92	22.5	0.0
Channel				516502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	PI/2 BPSK	1	1	20.89	20.84	20.80	22.5	0.0
Channel				516004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	PI/2 BPSK	1	1	20.86	20.89	20.87	22.5	0.0

n41 Ant0 DSIS DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	22.5	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	20.86	20.88	20.90	22.5	0.0
100	PI/2 BPSK	1	137	20.91	20.89	20.96		
100	PI/2 BPSK	1	271	20.58	20.54	20.56		
100	PI/2 BPSK	135	0	20.30	20.29	20.29		
100	PI/2 BPSK	135	69	20.91	20.92	20.96	22.5	0.0
100	PI/2 BPSK	135	138	20.61	20.56	20.56	22.0	0.5
100	PI/2 BPSK	270	0	20.31	20.29	20.33		
100	QPSK	1	1	20.97	21.00	20.98	22.5	0.0
100	QPSK	1	137	20.92	20.93	20.99		
100	QPSK	1	271	20.65	20.58	20.63		
100	QPSK	135	0	19.81	19.74	19.81		
100	QPSK	135	69	20.75	20.61	20.76	22.5	0.0
100	QPSK	135	138	20.14	20.08	20.04	21.5	1.0
100	QPSK	270	0	19.76	19.77	19.74		
100	16QAM	1	1	19.72	19.72	19.75	21.5	1.0
100	64QAM	1	1	18.31	18.26	18.24	20.0	2.5
100	256QAM	1	1	16.92	16.83	16.83	18.0	4.5
Channel				508200	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	20.03	20.89	20.93	22.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2640.99		
80	QPSK	1	1	20.91	20.89	20.90	22.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	20.89	20.84	20.88	22.5	0.0
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2650.98		
60	QPSK	1	1	20.92	20.85	20.87	22.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	20.82	20.93	20.95	22.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	20.86	20.89	20.87	22.5	0.0
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	20.85	20.95	20.89	22.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	20.88	20.91	20.85	22.5	0.0

n5 Ant1 DSIS DFT-15								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	24.33	24.44	24.38	25.2	0.0
20	PI/2 BPSK	1	53	24.37	24.38	24.37		
20	PI/2 BPSK	1	104	24.37	24.30	24.31		
20	PI/2 BPSK	50	0	24.01	23.92	23.81		
20	PI/2 BPSK	50	28	24.34	24.27	24.37	25.2	0.0
20	PI/2 BPSK	50	56	23.79	23.68	23.79	25.2	0.0
20	PI/2 BPSK	100	0	23.73	23.87	24.01		
20	QPSK	1	1	24.39	24.47	24.40	25.2	0.0
20	QPSK	1	53	24.35	24.30	24.39		
20	QPSK	1	104	24.27	24.14	24.07		
20	QPSK	50	0	23.49	23.54	23.54		
20	QPSK	50	28	24.28	24.43	24.36	25.2	0.0
20	QPSK	50	56	23.19	23.47	23.40	24.7	0.5
20	QPSK	100	0	23.36	23.57	23.50		
20	16QAM	1	1	23.53	23.56	23.52	24.7	0.5
20	64QAM	1	1	21.84	21.99	22.06	23.2	2.0
20	256QAM	1	1	19.77	19.79	19.73	21.2	4.0
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	24.34	24.24	24.38	25.2	0.0
Channel				165900	167300	168900	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	24.42	24.45	24.39	25.2	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	24.43	24.43	24.36	25.2	0.0

n7 Ant3 DSIS DFT-15								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	21.36	21.26	21.23	22.0	0.0
40	PI/2 BPSK	1	108	21.40	21.30	21.35		
40	PI/2 BPSK	1	214	21.15	21.26	21.34		
40	PI/2 BPSK	108	0	21.28	21.32	21.34		
40	PI/2 BPSK	108	54	21.16	21.18	21.17	22.0	0.0
40	PI/2 BPSK	108	108	21.09	21.19	21.22	22.0	0.0
40	PI/2 BPSK	216	0	21.37	21.26	21.35		
40	QPSK	1	1	21.46	21.47	21.31	22.0	0.0
40	QPSK	1	108	21.41	21.29	21.19		
40	QPSK	1	214	21.31	21.27	21.26		
40	QPSK	108	0	21.27	21.36	21.31		
40	QPSK	108	54	21.26	21.15	21.11	22.0	0.0
40	QPSK	108	108	21.19	21.22	21.32	22.0	0.0
40	QPSK	216	0	21.12	21.26	21.24		
40	16QAM	1	1	21.34	21.35	21.39	22.0	0.0
40	64QAM	1	1	20.95	20.96	20.90	21.5	0.5
40	256QAM	1	1	18.72	18.74	18.75	19.5	2.5
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	21.20	21.31	21.24	22.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	21.24	21.18	21.22	22.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	21.33	21.37	21.11	22.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	21.15	21.05	21.21	22.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	21.22	21.19	21.24	22.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	21.37	21.11	21.18	22.0	0.0

n66 Ant3 DSIS DFT-15								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	21.73	21.81	21.84	23.0	0.0
40	PI/2 BPSK	1	108	21.79	21.73	21.61		
40	PI/2 BPSK	1	214	21.67	21.75	21.68		
40	PI/2 BPSK	108	0	21.68	21.67	21.61		
40	PI/2 BPSK	108	54	21.77	21.72	21.78	23.0	0.0
40	PI/2 BPSK	108	108	21.63	21.72	21.70	23.0	0.0
40	PI/2 BPSK	216	0	21.83	21.81	21.72		
40	QPSK	1	1	21.76	21.85	21.83	23.0	0.0
40	QPSK	1	108	21.70	21.73	21.72		
40	QPSK	1	214	21.62	21.72	21.64		
40	QPSK	108	0	21.80	21.79	21.75		
40	QPSK	108	54	21.73	21.82	21.63	23.0	0.0
40	QPSK	108	108	21.81	21.77	21.80	23.0	0.0
40	QPSK	216	0	21.71	21.74	21.68		
40	16QAM	1	1	21.82	21.84	21.70	23.0	0.0
40	64QAM	1	1	20.40	20.46	20.42	21.5	1.5
40	256QAM	1	1	18.37	18.25	18.24	19.5	3.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	21.57	21.61	21.71	23.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	21.58	21.73	21.63	23.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	21.59	21.78	21.72	23.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	21.74	21.81	21.65	23.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	21.70	21.86	21.79	23.0	0.0

n38 Ant3 DS15 DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996	22.0	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	20.93	20.84	20.88	22.0	0.0
40	PI/2 BPSK	1	53	20.95	20.86	20.94		
40	PI/2 BPSK	1	104	20.76	20.84	20.90	22.0	0.0
40	PI/2 BPSK	50	0	20.97	20.88	20.80		
40	PI/2 BPSK	50	28	20.80	20.80	20.71	22.0	0.0
40	PI/2 BPSK	50	58	20.66	20.77	20.69		
40	PI/2 BPSK	100	0	20.86	20.82	20.74	22.0	0.0
40	QPSK	1	1	20.86	20.98	20.96		
40	QPSK	1	53	20.94	20.95	20.86	22.0	0.0
40	QPSK	1	104	20.88	20.92	20.83		
40	QPSK	50	0	20.79	20.86	20.80	22.0	0.0
40	QPSK	50	28	20.74	20.91	20.73		
40	QPSK	50	58	20.81	20.74	20.75	22.0	0.0
40	QPSK	100	0	20.81	20.90	20.88		
40	16QAM	1	1	20.70	20.70	20.73	22.0	0.0
40	64QAM	1	1	20.50	20.57	20.48		
40	256QAM	1	1	18.60	18.63	18.62	19.5	2.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99	22.0	0.0
30	QPSK	1	1	20.86	20.86	20.83	22.0	0.0
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	20.77	20.70	20.63	22.0	0.0
Channel				515502	519000	522498		
Frequency (MHz)				2577.51	2595	2612.49	Tune-up limit (dBm)	MPR (dB)
15	PI/2 BPSK	1	1	20.86	20.66	20.63	22.0	0.0
Channel				515004	519000	522996		
Frequency (MHz)				2575.02	2595	2614.98	Tune-up limit (dBm)	MPR (dB)
10	PI/2 BPSK	1	1	20.77	20.79	20.68	22.0	0.0

n41 Ant3 DS15 DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	22.0	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	21.05	20.78	20.90	22.0	0.0
100	PI/2 BPSK	1	137	20.85	20.87	20.74		
100	PI/2 BPSK	1	271	20.97	20.74	20.90	22.0	0.0
100	PI/2 BPSK	135	0	20.61	20.70	20.81		
100	PI/2 BPSK	135	69	20.92	20.74	20.94	22.0	0.0
100	PI/2 BPSK	135	138	20.77	20.93	20.92		
100	PI/2 BPSK	270	0	20.81	20.78	20.89	22.0	0.0
100	QPSK	1	1	20.88	21.06	21.05		
100	QPSK	1	137	20.76	20.92	20.88	22.0	0.0
100	QPSK	1	271	20.50	20.54	20.56		
100	QPSK	135	0	20.78	20.91	20.73	22.0	0.0
100	QPSK	135	69	20.79	20.93	20.90		
100	QPSK	135	138	20.77	20.90	20.80	22.0	0.0
100	QPSK	270	0	20.80	20.88	20.81		
100	16QAM	1	1	20.76	20.96	21.03	22.0	0.0
100	64QAM	1	1	20.08	20.13	20.16		
100	256QAM	1	1	18.50	18.57	18.33	19.5	2.5
Channel				509200	518598	528998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98	22.0	0.0
90	QPSK	1	1	20.86	20.77	20.74	22.0	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	20.96	20.66	20.68	22.0	0.0
Channel				506202	518598	531000		
Frequency (MHz)				2531.01	2592.99	2655	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	20.90	20.79	20.83	22.0	0.0
Channel				505200	518598	531998		
Frequency (MHz)				2526	2592.99	2659.98	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	20.78	20.83	20.67	22.0	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	20.77	20.79	20.68	22.0	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	20.82	20.86	20.77	22.0	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	20.91	20.80	20.68	22.0	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	20.77	20.71	20.66	22.0	0.0

n7 Ant4 DSIS DFT-15									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	PI/2 BPSK	1	1	17.32	17.20	17.19	17.5	0.0	
40	PI/2 BPSK	1	108	17.28	17.18	17.19			
40	PI/2 BPSK	1	214	17.13	17.07	17.16			
40	PI/2 BPSK	108	0	17.26	17.15	17.22	17.5	0.0	
40	PI/2 BPSK	108	54	17.19	17.13	17.20	17.5	0.0	
40	PI/2 BPSK	108	108	17.06	17.15	17.11	17.5	0.0	
40	PI/2 BPSK	216	0	17.15	17.18	17.21			
40	QPSK	1	1	17.21	17.35	17.16	17.5	0.0	
40	QPSK	1	108	17.27	17.21	17.20			
40	QPSK	1	214	17.32	17.24	17.16			
40	QPSK	108	0	17.07	17.23	17.15			
40	QPSK	108	54	17.06	17.26	16.95	17.5	0.0	
40	QPSK	108	108	17.13	17.15	17.17	16.5	1.0	
40	QPSK	216	0	17.12	17.20	17.19			
40	16QAM	1	1	17.28	17.09	17.30	17.5	0.0	
40	64QAM	1	1	17.25	17.29	17.33	17.5	0.0	
40	256QAM	1	1	17.27	17.26	17.31	17.5	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	17.24	17.23	17.07	17.5	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	17.26	17.28	17.06	17.5	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	17.25	17.23	17.10	17.5	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	17.28	17.30	17.25	17.5	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	17.20	17.08	17.15	17.5	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	17.25	17.34	17.13	17.5	0.0	

n66 Ant4 DSIS DFT-15									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	17.58	17.59	17.54	18.5	0.0	
40	PI/2 BPSK	1	108	17.59	17.62	17.51			
40	PI/2 BPSK	1	214	17.58	17.57	17.56			
40	PI/2 BPSK	108	0	17.46	17.55	17.57	18.5	0.0	
40	PI/2 BPSK	108	54	17.52	17.60	17.51	18.5	0.0	
40	PI/2 BPSK	108	108	17.48	17.55	17.54	18.5	0.0	
40	PI/2 BPSK	216	0	17.50	17.62	17.60			
40	QPSK	1	1	17.57	17.64	17.58	18.5	0.0	
40	QPSK	1	108	17.62	17.59	17.63			
40	QPSK	1	214	17.55	17.57	17.48			
40	QPSK	108	0	17.50	17.56	17.47			
40	QPSK	108	54	17.54	17.60	17.52	18.5	0.0	
40	QPSK	108	108	17.56	17.53	17.57	18.5	0.0	
40	QPSK	216	0	17.57	17.61	17.54			
40	16QAM	1	1	17.58	17.62	17.58	18.5	0.0	
40	64QAM	1	1	17.60	17.63	17.51	18.5	0.0	
40	256QAM	1	1	17.50	17.53	17.58	18.5	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	17.49	17.58	17.50	18.5	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	17.40	17.61	17.50	18.5	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	17.45	17.50	17.40	18.5	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	17.41	17.41	17.56	18.5	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	17.49	17.45	17.33	18.5	0.0	

n38 Ant4 DSIS DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	19.47	19.51	19.45	19.5	0.0
40	PI/2 BPSK	1	53	19.35	19.35	19.31		
40	PI/2 BPSK	1	104	19.36	19.45	19.50		
40	PI/2 BPSK	50	0	19.36	19.42	19.41		
40	PI/2 BPSK	50	28	19.30	19.33	19.44	19.5	0.0
40	PI/2 BPSK	50	56	19.37	19.37	19.38	19.5	0.0
40	PI/2 BPSK	100	0	19.48	19.45	19.43		
40	QPSK	1	1	19.41	19.52	19.48		
40	QPSK	1	53	19.43	19.34	19.27		
40	QPSK	1	104	19.50	19.45	19.49	19.5	0.0
40	QPSK	50	0	19.22	19.31	19.27		
40	QPSK	50	28	19.35	19.40	19.30		
40	QPSK	50	56	19.33	19.39	19.38		
40	QPSK	100	0	19.26	19.37	19.31	19.5	0.0
40	16QAM	1	1	19.33	19.41	19.33	19.5	0.0
40	64QAM	1	1	19.40	19.51	19.43	19.5	0.0
40	256QAM	1	1	19.46	19.40	19.36	19.5	0.0
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99	19.5	0.0
30	QPSK	1	1	19.30	19.47	19.25	19.5	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610	19.5	0.0
20	QPSK	1	1	19.31	19.50	19.26	19.5	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49	19.5	0.0
15	PI/2 BPSK	1	1	19.10	18.96	19.11	19.5	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98	19.5	0.0
10	PI/2 BPSK	1	1	19.17	18.94	18.96	19.5	0.0

n41 Ant4 DSIS DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	20.06	19.98	19.99	20.5	0.0
100	PI/2 BPSK	1	137	20.03	20.01	20.03		
100	PI/2 BPSK	1	271	20.16	20.08	20.19		
100	PI/2 BPSK	135	0	20.13	20.06	19.98		
100	PI/2 BPSK	135	69	20.17	20.18	20.13	20.5	0.0
100	PI/2 BPSK	135	138	19.90	19.91	19.91	20.5	0.0
100	PI/2 BPSK	270	0	19.94	20.05	20.06		
100	QPSK	1	1	20.19	20.23	20.11		
100	QPSK	1	137	19.95	20.00	19.93		
100	QPSK	1	271	20.20	20.13	20.17	20.5	0.0
100	QPSK	135	0	19.99	19.97	19.96	20.5	0.0
100	QPSK	135	69	19.99	20.08	19.98	20.5	0.0
100	QPSK	135	138	19.86	19.96	19.99	20.5	0.0
100	QPSK	270	0	19.97	20.07	20.04	20.5	0.0
100	16QAM	1	1	20.15	20.17	20.20	20.5	0.0
100	64QAM	1	1	20.19	20.15	20.07	20.5	0.0
100	256QAM	1	1	19.46	19.47	19.35	20.5	0.0
Channel				508200	518598	528998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98	19.5	0.0
90	QPSK	1	1	20.00	19.96	19.92	20.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99	19.5	0.0
80	QPSK	1	1	20.02	19.81	19.82	20.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655	19.5	0.0
70	QPSK	1	1	20.05	19.84	19.96	20.5	0.0
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98	19.5	0.0
60	QPSK	1	1	19.84	19.95	19.87	20.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99	19.5	0.0
50	QPSK	1	1	20.04	19.81	19.96	20.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670	19.5	0.0
40	QPSK	1	1	20.07	19.83	19.89	20.5	0.0
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98	19.5	0.0
30	QPSK	1	1	20.02	19.79	19.81	20.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99	19.5	0.0
20	QPSK	1	1	20.05	19.79	19.78	20.5	0.0

n7 Ant5 DSIS DFT-15								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000	23.0	0.0
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	21.64	21.65	21.58	23.0	0.0
40	PI/2 BPSK	1	108	21.56	21.60	21.63		
40	PI/2 BPSK	1	214	21.60	21.58	21.51		
40	PI/2 BPSK	108	0	21.10	21.05	21.01	22.5	0.5
40	PI/2 BPSK	108	54	21.54	21.53	21.58	23.0	0.0
40	PI/2 BPSK	108	108	21.14	21.07	21.06	22.5	0.5
40	PI/2 BPSK	216	0	20.95	21.05	21.02		
40	QPSK	1	1	21.64	21.68	21.55	23.0	0.0
40	QPSK	1	108	21.67	21.58	21.60		
40	QPSK	1	214	21.43	21.52	21.62		
40	QPSK	108	0	20.62	20.55	20.61		
40	QPSK	108	54	21.48	21.49	21.40	23.0	0.0
40	QPSK	108	108	20.50	20.57	20.56	22.0	1.0
40	QPSK	216	0	20.46	20.65	20.56		
40	16QAM	1	1	20.76	20.89	20.91	22.0	1.0
40	64QAM	1	1	19.35	19.34	19.39	20.5	2.5
40	256QAM	1	1	18.06	18.11	18.13	18.5	4.5
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555	23.0	0.0
30	QPSK	1	1	21.60	21.49	21.45	23.0	MPR (dB)
Channel				502500	507000	511500		
Frequency (MHz)				2512.5	2535	2557.5	Tune-up limit (dBm)	MPR (dB)
25	QPSK	1	1	21.43	21.65	21.43	23.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560	23.0	0.0
20	QPSK	1	1	21.62	21.47	21.43	23.0	0.0
Channel				501500	507000	512500		
Frequency (MHz)				2507.5	2535	2562.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	21.48	21.64	21.39	23.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	23.0	0.0
10	QPSK	1	1	21.64	21.61	21.43	23.0	0.0
Channel				500500	507000	513500		
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	21.44	21.63	21.55	23.0	0.0

n66 Ant5 DSIS DFT-15								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	21.61	21.73	21.75	23.0	0.0
40	PI/2 BPSK	1	108	21.77	21.75	21.67		
40	PI/2 BPSK	1	214	21.60	21.72	21.64		
40	PI/2 BPSK	108	0	21.32	21.25	21.33	22.5	0.5
40	PI/2 BPSK	108	54	21.71	21.67	21.59	23.0	0.0
40	PI/2 BPSK	108	108	21.13	21.22	21.28	22.5	0.5
40	PI/2 BPSK	216	0	21.26	21.24	21.20		
40	QPSK	1	1	21.60	21.78	21.72	23.0	0.0
40	QPSK	1	108	21.73	21.74	21.66		
40	QPSK	1	214	21.71	21.76	21.75		
40	QPSK	108	0	20.86	20.77	20.66	22.0	1.0
40	QPSK	108	54	21.57	21.68	21.59	23.0	0.0
40	QPSK	108	108	20.76	20.74	20.64	22.0	1.0
40	QPSK	216	0	20.72	20.79	20.67		
40	16QAM	1	1	20.87	20.90	20.95	22.0	1.0
40	64QAM	1	1	19.45	19.35	19.29	20.5	2.5
40	256QAM	1	1	18.25	18.13	18.16	18.5	4.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765	23.0	0.0
30	QPSK	1	1	21.54	21.55	21.71	23.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770	23.0	0.0
20	QPSK	1	1	21.57	21.62	21.66	23.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5	23.0	0.0
15	QPSK	1	1	21.56	21.61	21.66	23.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775	23.0	0.0
10	QPSK	1	1	21.46	21.60	21.76	23.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	23.0	0.0
5	QPSK	1	1	21.59	21.71	21.76	23.0	0.0

n38 Ant5 DSIS DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996	25.7	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	24.49	24.47	24.53	25.7	0.0
40	PI/2 BPSK	1	53	24.45	24.43	24.36		
40	PI/2 BPSK	1	104	24.51	24.53	24.42		
40	PI/2 BPSK	50	0	23.80	23.92	23.83		
40	PI/2 BPSK	50	28	24.43	24.38	24.28	25.7	0.0
40	PI/2 BPSK	50	56	23.99	24.00	24.02	25.2	0.5
40	PI/2 BPSK	100	0	24.00	23.88	23.80		
40	QPSK	1	1	24.47	24.55	24.51	25.7	0.0
40	QPSK	1	53	24.40	24.46	24.38		
40	QPSK	1	104	24.48	24.50	24.46		
40	QPSK	50	0	23.45	23.43	23.40	24.7	1.0
40	QPSK	50	28	24.30	24.35	24.32	25.7	0.0
40	QPSK	50	56	23.47	23.48	23.37	24.7	1.0
40	QPSK	100	0	23.27	23.37	23.27		
40	16QAM	1	1	23.85	23.77	23.83	24.7	1.0
40	64QAM	1	1	22.15	22.17	22.06	23.2	2.5
40	256QAM	1	1	19.89	19.93	19.87	21.2	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	24.32	24.33	24.33	25.7	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	24.35	24.38	24.35	25.7	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	PI/2 BPSK	1	1	24.42	24.54	24.44	25.7	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	PI/2 BPSK	1	1	24.48	24.49	24.50	25.7	0.0

n41 Ant5 DSIS DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	25.7	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	24.56	24.60	24.65	25.7	0.0
100	PI/2 BPSK	1	137	24.56	24.56	24.63		
100	PI/2 BPSK	1	271	24.51	24.61	24.52		
100	PI/2 BPSK	135	0	23.87	23.99	24.06		
100	PI/2 BPSK	135	69	24.65	24.54	24.50	25.7	0.0
100	PI/2 BPSK	135	138	24.01	24.04	24.15	25.2	0.5
100	PI/2 BPSK	270	0	23.85	23.94	23.95		
100	QPSK	1	1	24.62	24.69	24.67	25.7	0.0
100	QPSK	1	137	24.53	24.58	24.62		
100	QPSK	1	271	24.65	24.65	24.57		
100	QPSK	135	0	23.44	23.49	23.41	24.7	1.0
100	QPSK	135	69	24.38	24.48	24.45	25.7	0.0
100	QPSK	135	138	23.56	23.57	23.58	24.7	1.0
100	QPSK	270	0	23.45	23.51	23.36		
100	16QAM	1	1	23.72	23.78	23.87	24.7	1.0
100	64QAM	1	1	22.16	22.17	22.09	23.2	2.5
100	256QAM	1	1	20.08	19.97	20.06	21.2	4.5
Channel				508200	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	24.46	24.57	24.48	25.7	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	24.38	24.41	24.63	25.7	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	24.42	24.54	24.44	25.7	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	24.45	24.52	24.51	25.7	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	24.42	24.55	24.64	25.7	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	24.48	24.49	24.56	25.7	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	24.45	24.44	24.50	25.7	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	24.42	24.40	24.64	25.7	0.0

Par270 n77 Ant10 DSIS DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	21.7	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	21.06	21.11	21.08	21.7	0.0
100	PI/2 BPSK	1	137	20.99	21.09	21.01		
100	PI/2 BPSK	1	271	20.98	21.02	20.92		
100	PI/2 BPSK	135	0	21.10	21.05	21.11		
100	PI/2 BPSK	135	69	21.11	21.04	20.96	21.7	0.0
100	PI/2 BPSK	135	138	21.07	20.99	21.04	21.7	0.0
100	PI/2 BPSK	270	0	20.86	20.95	20.97		
100	QPSK	1	1	21.00	21.16	20.96	21.7	0.0
100	QPSK	1	137	21.14	21.02	21.07		
100	QPSK	1	271	21.09	21.02	20.95		
100	QPSK	135	0	20.94	20.97	20.87		
100	QPSK	135	69	20.99	21.05	21.02	21.7	0.0
100	QPSK	135	138	21.02	20.98	20.88	21.7	0.0
100	QPSK	270	0	20.94	20.96	20.93		
100	16QAM	1	1	21.04	21.02	21.01	21.7	0.0
100	64QAM	1	1	21.13	21.10	21.14	21.7	0.0
100	256QAM	1	1	20.68	20.59	20.55	21.2	0.5
Channel				640668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01	21.7	0.0
90	QPSK	1	1	20.98	20.96	20.90	21.7	0.0
Channel				640334	656000	662668		
Frequency (MHz)				3740.01	3840	3940.02	21.7	0.0
80	QPSK	1	1	21.05	20.90	21.07	21.7	0.0
Channel				640000	656000	663000		
Frequency (MHz)				3735	3840	3945	21.7	0.0
70	QPSK	1	1	21.03	20.97	21.08	21.7	0.0
Channel				640668	656000	663334		
Frequency (MHz)				3730.02	3840	3950.01	21.7	0.0
60	QPSK	1	1	20.98	21.09	21.08	21.7	0.0
Channel				640334	656000	663668		
Frequency (MHz)				3725.01	3840	3955.02	21.7	0.0
50	QPSK	1	1	21.04	21.04	21.08	21.7	0.0
Channel				640000	656000	664000		
Frequency (MHz)				3720	3840	3960	21.7	0.0
40	QPSK	1	1	20.88	21.13	20.97	21.7	0.0
Channel				640668	656000	664334		
Frequency (MHz)				3715.02	3840	3965.01	21.7	0.0
30	QPSK	1	1	20.98	21.04	20.89	21.7	0.0
Channel				647334	656000	664668		
Frequency (MHz)				3710.01	3840	3970.02	21.7	0.0
20	QPSK	1	1	20.91	20.92	21.01	21.7	0.0
Channel				647168	656000	664834		
Frequency (MHz)				3707.52	3840	3972.51	21.7	0.0
15	QPSK	1	1	20.98	21.09	21.08	21.7	0.0
Channel				647000	656000	665000		
Frequency (MHz)				3705	3840	3975	21.7	0.0
10	QPSK	1	1	21.04	21.04	21.06	21.7	0.0

Par27Q n77 Ant10 DSIS DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1		21.02		21.7	0.0
100	PI/2 BPSK	1	137		21.10			
100	PI/2 BPSK	1	271		20.85			
100	PI/2 BPSK	135	0		21.05			
100	PI/2 BPSK	135	69		21.03		21.7	0.0
100	PI/2 BPSK	135	138		20.85		21.7	0.0
100	PI/2 BPSK	270	0		20.89			
100	QPSK	1	1		21.15			
100	QPSK	1	137		20.88			
100	QPSK	1	271		21.03		21.7	0.0
100	QPSK	135	0		20.78			
100	QPSK	135	69		20.87			
100	QPSK	135	138		20.77			
100	QPSK	270	0		20.85		21.7	0.0
100	16QAM	1	1		20.95			
100	64QAM	1	1		20.99			
100	256QAM	1	1		20.47			
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	21.06	21.03	20.97	21.7	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	21.02	20.88	20.84	21.7	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	21.01	20.88	20.78	21.7	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	21.08	20.97	20.81	21.7	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	20.98	20.85	20.96	21.7	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	21.00	20.91	20.80	21.7	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	20.96	20.85	20.97	21.7	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	20.94	20.96	20.88	21.7	0.0
Channel				630500	633334	636168	Tune-up limit	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	1	21.02	20.86	20.84	21.7	0.0
Channel				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	1	20.96	20.85	20.96	21.7	0.0

Part270 n78 Ant10 DSI5 PC2&PC3 DFT-30										
BW [MHz]	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	19.28			20.0	0.0		
100	PI/2 BPSK	1	137	19.38						
100	PI/2 BPSK	1	271	19.30			20.0	0.0		
100	PI/2 BPSK	135	0	19.31						
100	PI/2 BPSK	135	69	19.33			20.0	0.0		
100	PI/2 BPSK	135	138	19.29			20.0	0.0		
100	PI/2 BPSK	270	0	19.23			20.0	0.0		
100	QPSK	1	1	19.43			20.0	0.0		
100	QPSK	1	137	19.37						
100	QPSK	1	271	19.38			20.0	0.0		
100	QPSK	135	0	19.24						
100	QPSK	135	69	19.27			20.0	0.0		
100	QPSK	135	138	19.24			20.0	0.0		
100	QPSK	270	0	19.25			20.0	0.0		
100	16QAM	1	1	19.14			20.0	0.0		
100	64QAM	1	1	19.33			20.0	0.0		
100	256QAM	1	1	19.40			20.0	0.0		
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3745.02	3750	3755.01				
90	QPSK	1	1	19.10			19.35	19.24	20.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3740.01	3750	3760.02				
80	QPSK	1	1	19.11			19.15	19.38	20.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3735	3750	3765				
70	QPSK	1	1	19.27			19.17	19.36	20.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3730.02	3750	3770.01				
60	QPSK	1	1	19.19			19.29	19.35	20.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3725.01	3750	3775.02				
50	QPSK	1	1	19.08			19.21	19.31	20.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3720	3750	3780				
40	QPSK	1	1	19.00			19.30	19.36	20.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3715.02	3750	3785.01				
30	QPSK	1	1	19.29			19.19	19.21	20.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3710.01	3750	3790.02				
20	QPSK	1	1	19.09			19.29	19.18	20.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3707.52	3750	3792.51				
15	QPSK	1	1	18.92			19.21	19.18	20.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3705	3750	3795				
10	QPSK	1	1	19.23			19.16	19.17	20.0	0.0

Part27Q n78 Ant10 DSI5 PC2&PC3 DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1		19.13		20.0	0.0
100	PI/2 BPSK	1	137		19.26			
100	PI/2 BPSK	1	271		19.15		20.0	0.0
100	PI/2 BPSK	135	0		19.16			
100	PI/2 BPSK	135	69		19.18		20.0	0.0
100	PI/2 BPSK	135	138		19.23		20.0	0.0
100	PI/2 BPSK	270	0		19.15		20.0	0.0
100	QPSK	1	1		19.29		20.0	0.0
100	QPSK	1	137		19.18			
100	QPSK	1	271		19.21		20.0	0.0
100	QPSK	135	0		19.15			
100	QPSK	135	69		19.19		20.0	0.0
100	QPSK	135	138		19.18		20.0	0.0
100	QPSK	270	0		19.08		20.0	0.0
100	16QAM	1	1		19.03		20.0	0.0
100	64QAM	1	1		19.27		20.0	0.0
100	256QAM	1	1		19.22		20.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	19.12	19.22	19.11	20.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	18.92	19.18	18.93	20.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	19.13	19.08	18.93	20.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	19.01	19.01	18.91	20.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	18.99	19.17	19.10	20.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	19.13	19.11	19.10	20.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	19.01	19.14	19.07	20.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	19.01	19.22	18.98	20.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	19.19	19.29	19.35	20.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	19.08	19.21	19.31	20.0	0.0

Par27O n77 Ant11 DSIS DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	23.7	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	23.10	23.15	23.23	23.7	0.0
100	PI/2 BPSK	1	137	23.05	23.34	23.19		
100	PI/2 BPSK	1	271	23.29	23.23	23.14		
100	PI/2 BPSK	135	0	22.88	22.59	22.66	23.7	0.0
100	PI/2 BPSK	135	69	23.08	23.14	23.24	23.7	0.0
100	PI/2 BPSK	135	138	22.41	22.53	22.57	23.7	0.0
100	PI/2 BPSK	270	0	22.56	22.61	22.61		
100	QPSK	1	1	23.12	23.44	23.11	23.7	0.0
100	QPSK	1	137	23.26	23.29	23.26		
100	QPSK	1	271	23.18	23.27	23.28		
100	QPSK	135	0	22.03	22.21	22.26	23.7	0.0
100	QPSK	135	69	23.10	23.18	23.00	23.7	0.0
100	QPSK	135	138	23.12	23.10	23.07	23.7	0.0
100	QPSK	270	0	23.17	23.39	23.32		
100	16QAM	1	1	23.11	23.22	23.26	23.7	0.0
100	64QAM	1	1	22.57	22.96	23.65	23.2	0.5
100	256QAM	1	1	20.60	21.05	20.55	21.2	2.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01	23.7	0.0
90	QPSK	1	1	22.92	23.33	22.03	23.7	0.0
Channel				649334	656000	662668		
Frequency (MHz)				3740.01	3840	3940.02	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	22.91	23.24	23.10	23.7	0.0
Channel				649000	656000	663000		
Frequency (MHz)				3735	3840	3945	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	23.03	23.24	22.04	23.7	0.0
Channel				648668	656000	663334		
Frequency (MHz)				3730.02	3840	3950.01	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	22.92	23.40	22.05	23.7	0.0
Channel				648334	656000	663668		
Frequency (MHz)				3725.01	3840	3955.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	23.13	23.40	23.02	23.7	0.0
Channel				648000	656000	664000		
Frequency (MHz)				3720	3840	3960	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	23.13	23.25	23.08	23.7	0.0
Channel				647668	656000	664334		
Frequency (MHz)				3715.02	3840	3965.01	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	23.07	23.42	23.05	23.7	0.0
Channel				647334	656000	664668		
Frequency (MHz)				3710.01	3840	3970.02	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	23.03	23.28	22.90	23.7	0.0
Channel				647000	656000	664834		
Frequency (MHz)				3707.52	3840	3972.51	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	22.92	23.40	22.95	23.7	0.0
Channel				647000	656000	665000		
Frequency (MHz)				3705	3840	3975	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	23.34	23.27	23.06	23.7	0.0

Par27Q n77 Ant11 DSIS DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633000	633334	633668	23.7	0.0
Frequency (MHz)				3495	3500.01	3505.02		
100	PI/2 BPSK	1	1	23.18	23.32	23.28	23.7	0.0
100	PI/2 BPSK	1	137	23.25	23.25	23.25		
100	PI/2 BPSK	1	271	23.12	23.12	23.12		
100	PI/2 BPSK	135	0	22.49	22.49	22.49	23.7	0.0
100	PI/2 BPSK	135	69	22.99	22.99	22.99		
100	PI/2 BPSK	135	138	22.32	22.32	22.32		
100	PI/2 BPSK	270	0	22.60	22.60	22.60	23.7	0.0
100	QPSK	1	1	23.37	23.37	23.37	23.7	0.0
100	QPSK	1	137	23.19	23.19	23.19		
100	QPSK	1	271	23.10	23.10	23.10		
100	QPSK	135	0	22.16	22.16	22.16	23.7	0.0
100	QPSK	135	69	22.97	22.97	22.97		
100	QPSK	135	138	22.89	22.89	22.89		
100	QPSK	270	0	23.37	23.37	23.37	23.7	0.0
100	16QAM	1	1	23.09	23.09	23.09	23.7	0.0
100	64QAM	1	1	22.91	22.91	22.91	23.7	0.5
100	256QAM	1	1	20.84	20.84	20.84	22.2	2.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	23.33	23.33	23.28	23.7	0.0
Channel				632668	633334	634000		
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	23.34	23.31	23.17	23.7	0.0
Channel				632334	633334	634334		
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	23.31	23.22	22.97	23.7	0.0
Channel				632000	633334	634668		
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	23.34	23.27	23.06	23.7	0.0
Channel				631668	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	23.28	23.21	22.99	23.7	0.0
Channel				631334	633334	635334		
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	23.26	23.19	23.02	23.7	0.0
Channel				631000	633334	635668		
Frequency (MHz)				3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	23.33	23.21	23.04	23.7	0.0
Channel				630668	633334	636000		
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	23.15	23.32	22.99	23.7	0.0
Channel				630500	633334	636168		
Frequency (MHz)				3457.5	3500.01	3542.52	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	22.92	23.40	22.95	23.7	0.0
Channel				630334	633334	636334		
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	23.07	23.42	23.05	23.7	0.0

Part270 n78 Ant11 DSIS PC2&PC3 DFT-30								
BW [MHz]	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		23.53		24.0	0.0
100	PI/2 BPSK	1	137		23.56			
100	PI/2 BPSK	1	271		23.48		24.0	0.0
100	PI/2 BPSK	135	0		23.39			
100	PI/2 BPSK	135	69		23.58		24.0	0.0
100	PI/2 BPSK	135	138		23.43		24.0	0.0
100	PI/2 BPSK	270	0		23.49		24.0	0.0
100	QPSK	1	1		23.59		24.0	0.0
100	QPSK	1	137		23.53			
100	QPSK	1	271		23.53		24.0	0.0
100	QPSK	135	0		23.31			
100	QPSK	135	69		23.39		24.0	0.0
100	QPSK	135	138		23.30		24.0	0.0
100	QPSK	270	0		23.39		24.0	0.0
100	16QAM	1	1		23.53		23.7	0.0
100	64QAM	1	1		23.02		23.2	0.8
100	256QAM	1	1		21.01		21.2	2.3
Channel				649668	650000	650334		MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1		23.47	23.50	23.53	24.0
Channel				649334	650000	650668		MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1		23.29	23.30	23.48	24.0
Channel				649000	650000	651000		MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1		23.34	23.30	23.30	24.0
Channel				648668	650000	651334		MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1		23.30	23.32	23.40	24.0
Channel				648334	650000	651668		MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1		23.40	23.32	23.43	24.0
Channel				648000	650000	652000		MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1		23.44	23.42	23.37	24.0
Channel				647668	650000	652334		MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1		23.40	23.38	23.43	24.0
Channel				647334	650000	652668		MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1		23.40	23.34	23.41	24.0
Channel				647168	650000	652834		MPR (dB)
Frequency (MHz)				3707.82	3750	3792.51		
15	QPSK	1	1		23.40	23.32	23.43	24.0
Channel				647000	650000	653000		MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1		23.28	23.39	23.48	24.0

Part27Q n78 Ant11 DSIS PC2&PC3 DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633000				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1		23.45			
100	PI/2 BPSK	1	137		23.47		24.0	0.0
100	PI/2 BPSK	1	271		23.46			
100	PI/2 BPSK	135	0		23.30			
100	PI/2 BPSK	135	69		23.39		24.0	0.0
100	PI/2 BPSK	135	138		23.30			
100	PI/2 BPSK	270	0		23.32		24.0	0.0
100	QPSK	1	1		23.52			
100	QPSK	1	137		23.45		24.0	0.0
100	QPSK	1	271		23.44			
100	QPSK	135	0		23.11			
100	QPSK	135	69		23.20		24.0	0.0
100	QPSK	135	138		23.15			
100	QPSK	270	0		23.18		24.0	0.0
100	16QAM	1	1		23.34		23.7	0.0
100	64QAM	1	1		23.04		23.2	0.0
100	256QAM	1	1		21.01		21.2	1.5
Channel				633000	633334	633668		MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1		23.37	23.35	23.41	24.0
Channel				632668	633334	634000		MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1		23.15	23.38	23.31	24.0
Channel				632334	633334	634334		MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1		23.35	23.20	23.39	24.0
Channel				632000	633334	634668		MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1		23.32	23.34	23.30	24.0
Channel				631668	633334	635000		MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1		23.27	23.18	23.37	24.0
Channel				631334	633334	635334		MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1		23.31	23.22	23.32	24.0
Channel				631000	633334	635668		MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1		23.37	23.16	23.36	24.0
Channel				630668	633334	636000		MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1		23.32	23.23	23.24	24.0
Channel				630500	633334	636168		MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1		23.35	23.20	23.39	24.0
Channel				630334	633334	636334		MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1		23.27	23.18	23.37	24.0



Par270 n77 Ant12 DS15 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	23.37	23.38	23.54			
100	PI2 BPSK	1	137	23.33	23.44	23.30	24.7	0.0	
100	PI2 BPSK	1	271	23.45	23.40	23.43			
100	PI2 BPSK	135	0	23.29	23.33	23.48	24.7	0.0	
100	PI2 BPSK	135	69	23.26	23.21	23.44	24.7	0.0	
100	PI2 BPSK	135	138	23.21	23.21	23.51			
100	PI2 BPSK	270	0	23.20	23.29	23.34	24.7	0.0	
100	QPSK	1	1	23.23	23.67	23.34			
100	QPSK	1	137	23.46	23.45	23.49	24.7	0.0	
100	QPSK	1	271	23.49	23.57	23.48			
100	QPSK	135	0	22.53	22.22	22.52	24.7	0.0	
100	QPSK	135	69	23.25	23.35	23.24	24.7	0.0	
100	QPSK	135	138	23.33	23.34	23.35	24.7	0.0	
100	QPSK	270	0	23.26	23.35	23.34			
100	16QAM	1	1	23.18	23.23	23.43	24.7	0.0	
100	64QAM	1	1	21.71	22.28	21.88	23.2	1.5	
100	256QAM	1	1	19.72	20.21	19.91	21.2	3.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	23.11	23.65	23.35	24.7	0.0	
Channel				643334	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	23.17	23.47	23.25	24.7	0.0	
Channel				649000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725	3840	3945			
70	QPSK	1	1	23.24	23.52	23.13	24.7	0.0	
Channel				648668	650000	653334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	23.05	23.61	23.16	24.7	0.0	
Channel				641334	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	23.10	23.51	23.15	24.7	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3950			
40	QPSK	1	1	23.06	23.60	23.25	24.7	0.0	
Channel				647668	650000	654334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	23.23	23.61	23.33	24.7	0.0	
Channel				641334	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	23.14	23.54	23.27	24.7	0.0	
Channel				647168	650000	654834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	23.06	23.60	23.25	24.7	0.0	
Channel				647000	650000	655000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	23.05	23.61	23.16	24.7	0.0	

Part27Q n77 Ant12 DS15 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334	633334	633334			
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1		23.28				
100	PI2 BPSK	1	137		23.37		24.7	0.0	
100	PI2 BPSK	1	271		23.37				
100	PI2 BPSK	135	0		23.23		24.7	0.0	
100	PI2 BPSK	135	69		23.19		24.7	0.0	
100	PI2 BPSK	135	138		23.09				
100	PI2 BPSK	270	0		23.13		24.7	0.0	
100	QPSK	1	1		23.65				
100	QPSK	1	137		23.31		24.7	0.0	
100	QPSK	1	271		23.56				
100	QPSK	135	0		22.23		24.7	0.0	
100	QPSK	135	69		23.38		24.7	0.0	
100	QPSK	135	138		23.30				
100	QPSK	270	0		23.37		24.7	0.0	
100	16QAM	1	1		23.17		24.7	0.0	
100	64QAM	1	1		22.20		23.2	1.5	
100	256QAM	1	1		20.04		21.2	3.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485	3500.01	3505.02			
90	QPSK	1	1	23.42	23.56	23.47	24.7	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3510			
80	QPSK	1	1	23.24	23.54	23.48	24.7	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	23.21	23.40	23.39	24.7	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	23.22	23.35	23.33	24.7	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	23.44	23.43	23.44	24.7	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	23.23	23.55	23.39	24.7	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	23.22	23.54	23.43	24.7	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	23.42	23.41	23.42	24.7	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.52	3500.01	3542.52			
15	QPSK	1	1	23.22	23.35	23.33	24.7	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	23.05	23.65	23.39	24.7	0.0	

Part27O n78 Ant12 DS15 PC3 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		23.05		24.0	0.0	
100	PI2 BPSK	1	137		22.91				
100	PI2 BPSK	1	271		23.00				
100	PI2 BPSK	135	0		22.53		23.5	0.5	
100	PI2 BPSK	135	69		22.91		24.0	0.0	
100	PI2 BPSK	135	138		22.56				
100	PI2 BPSK	270	0		22.51		23.5	0.5	
100	QPSK	1	1		23.10		24.0		
100	QPSK	1	137		22.99				
100	QPSK	1	271		23.08				
100	QPSK	135	0		21.94		23.0	1.0	
100	QPSK	135	69		23.05		24.0	0.0	
100	QPSK	135	138		21.94		23.0	1.0	
100	QPSK	270	0		22.07				
100	16QAM	1	1		22.00		23.0	1.0	
100	64QAM	1	1		20.59		21.5	2.5	
100	256QAM	1	1		19.51		19.5	4.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	23.00	23.01	22.99		24.0	0.0
Channel				649634	650000	650068	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	23.03	23.00	23.05		24.0	0.0
Channel				649500	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	22.96	23.03	22.97		24.0	0.0
Channel				648666	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	23.03	22.98	23.03		24.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	22.95	22.95	23.00		24.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	23.04	23.00	23.01		24.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	22.95	22.94	22.97		24.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	23.01	22.97	23.05		24.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	22.98	23.03	22.97		24.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	22.95	22.95	23.03		24.0	0.0



Part27Q 78 Ant12 DS15 PC3 DFT-30									
BW (MHz)	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)				633334		3500.01			
100	PI2 BPSK	1	1		23.27		24.0	0.0	
100	PI2 BPSK	1	137		23.01				
100	PI2 BPSK	1	271		23.14				
100	PI2 BPSK	135	0		22.70				
100	PI2 BPSK	135	69		23.08		24.0	0.0	
100	PI2 BPSK	135	138		22.73		23.5	0.5	
100	PI2 BPSK	270	0		22.81				
100	QPSK	1	1		23.28				
100	QPSK	1	137		23.15				
100	QPSK	1	271		23.26		24.0	0.0	
100	QPSK	135	0		22.64		24.0	0.0	
100	QPSK	135	69		23.16				
100	QPSK	135	138		22.09				
100	QPSK	270	0		22.25				
100	16QAM	1	1		22.19		23.0	1.0	
100	64QAM	1	1		20.80		21.5	2.5	
100	256QAM	1	1		19.82		19.5	4.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		23.23	23.16	23.13	24.0	0.0
Channel				632069	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		23.16	23.22	23.17	24.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		23.21	23.17	23.23	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		23.23	23.15	23.19	24.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		23.19	23.20	23.14	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		23.21	23.12	23.20	24.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		23.17	23.16	23.19	24.0	0.0
Channel				630668	633334	635900	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		23.17	23.13	23.16	24.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1		23.21	23.17	23.23	24.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1		23.21	23.12	23.14	24.0	0.0

Part27O n78 Ant12 DS15 PC2 DFT-30									
BW (MHz)	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	3750	3750			
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		24.82		26.5	0.0	
100	PI2 BPSK	1	137		24.56				
100	PI2 BPSK	1	271		24.63				
100	PI2 BPSK	135	0		24.21	26.5			
100	PI2 BPSK	135	69		24.60		26.5	0.0	
100	PI2 BPSK	135	138		24.51		26.5	0.0	
100	PI2 BPSK	270	0		24.67		26.5	0.0	
100	QPSK	1	1		24.85		26.5	0.0	
100	QPSK	1	137		24.58				
100	QPSK	1	271		24.59				
100	QPSK	135	0		24.12	26.0			
100	QPSK	135	69		24.65		26.5	0.0	
100	QPSK	135	138		24.18		26.0	0.5	
100	QPSK	270	0		24.08		26.0	0.5	
100	16QAM	1	1		24.11		26.0	0.5	
100	64QAM	1	1		22.55		24.5	2.0	
100	256QAM	1	1		20.85		22.5	4.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		24.05	24.61	24.66	26.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		24.57	24.51	24.40	26.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		24.56	24.60	24.57	26.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		24.55	24.66	24.65	26.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		24.60	24.66	24.67	26.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		24.08	24.66	24.54	26.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		24.06	24.54	24.57	26.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		24.64	24.67	24.67	26.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		24.60	24.66	24.67	26.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		24.06	24.54	24.57	26.5	0.0

Part27Q 78 Ant12 DS15 PC2 DFT-30									
BW [MHz]	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)				633334		3500.01			
100	PI2 BPSK	1	1		24.53		26.5	0.0	
100	PI2 BPSK	1	137		24.62				
100	PI2 BPSK	1	271		24.64				
100	PI2 BPSK	135	0		24.60				
100	PI2 BPSK	135	69		24.53		26.5	0.0	
100	PI2 BPSK	135	138		24.62		26.5	0.0	
100	PI2 BPSK	270	0		24.56				
100	QPSK	1	1		24.69				
100	QPSK	1	137		24.85				
100	QPSK	1	271		24.58		26.5	0.0	
100	QPSK	135	0		24.08				
100	QPSK	135	69		24.68				
100	QPSK	135	138		24.14				
100	QPSK	270	0		24.15		26.0	0.5	
100	16QAM	1	1		24.55		26.0	0.5	
100	64QAM	1	1		22.59		24.5	2.0	
100	256QAM	1	1		20.58		22.5	4.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		24.58	24.60	24.55	26.5	0.0
Channel				632069	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		24.51	24.56	24.50	26.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		24.60	24.52	24.68	26.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.01	3500.01	3520.02			
60	QPSK	1	1		24.61	24.72	24.56	26.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		24.60	24.53	24.63	26.5	0.0
Channel				631334	633334	633334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		24.54	24.67	24.51	26.5	0.0
Channel				631000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		24.68	24.53	24.52	26.5	0.0
Channel				630668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		24.49	24.55	24.68	26.5	0.0
Channel				630300	633334	631668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3450	3500	3543			
15	QPSK	1	1		24.61	24.72	24.56	26.5	0.0
Channel				630334	633334	633334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	1		24.60	24.52	24.68	26.5	0.0

Par270 n77 Ant13 DSIS DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	19.55	19.75	19.56	20.2	0.0	
100	PI/2 BPSK	1	137	19.76	19.76	19.54			
100	PI/2 BPSK	1	271	19.59	19.68	19.69			
100	PI/2 BPSK	135	0	19.55	19.74	19.69			
100	PI/2 BPSK	135	69	19.60	19.71	19.72	20.2	0.0	
100	PI/2 BPSK	135	138	19.45	19.56	19.34	20.2	0.0	
100	PI/2 BPSK	270	0	19.62	19.63	19.64			
100	QPSK	1	1	19.67	19.69	19.68	20.2	0.0	
100	QPSK	1	137	19.73	19.73	19.59			
100	QPSK	1	271	19.64	19.68	19.55			
100	QPSK	135	0	19.66	19.62	19.66		0.0	
100	QPSK	135	69	19.62	19.67	19.47	20.2	0.0	
100	QPSK	135	138	19.52	19.62	19.42	20.2	0.0	
100	QPSK	270	0	19.53	19.61	19.47			
100	16QAM	1	1	19.60	19.68	19.84	20.2	0.0	
100	64QAM	1	1	19.81	19.84	19.70	20.2	0.0	
100	256QAM	1	1	19.55	19.70	19.67	20.2	0.0	
Channel				648668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	19.51	19.74	19.50	20.2	0.0	
Channel				648334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	19.50	19.67	19.60	20.2	0.0	
Channel				648000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	19.67	19.81	19.51	20.2	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	19.60	19.71	19.65	20.2	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	19.48	19.88	19.70	20.2	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	19.58	19.60	19.68	20.2	0.0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	19.61	19.80	19.47	20.2	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	19.47	19.68	19.56	20.2	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.62	3840	3972.51			
15	QPSK	1	1	19.46	19.88	19.70	20.2	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	19.67	19.81	19.51	20.2	0.0	

Part27Q n77 Ant13 DSIS DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.01			
100	PI/2 BPSK	1	1	19.54			20.2	0.0	
100	PI/2 BPSK	1	137	19.53					
100	PI/2 BPSK	1	271	19.51					
100	PI/2 BPSK	135	0	19.75					
100	PI/2 BPSK	135	69	19.57			20.2	0.0	
100	PI/2 BPSK	135	138	19.48			20.2	0.0	
100	PI/2 BPSK	270	0	19.47					
100	QPSK	1	1	19.73			20.2	0.0	
100	QPSK	1	137	19.66					
100	QPSK	1	271	19.59					
100	QPSK	135	0	19.52				0.0	
100	QPSK	135	69	19.55			20.2	0.0	
100	QPSK	135	138	19.47			20.2	0.0	
100	QPSK	270	0	19.38					
100	16QAM	1	1	19.89			20.2	0.0	
100	64QAM	1	1	19.85			20.2	0.0	
100	256QAM	1	1	19.83			20.2	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	19.31	19.40	19.57	20.2	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	19.40	19.59	19.50	20.2	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	19.31	19.45	19.69	20.2	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	19.35	19.55	19.57	20.2	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	19.43	19.58	19.50	20.2	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	19.43	19.43	19.73	20.2	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	19.53	19.34	19.62	20.2	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	19.32	19.39	19.59	20.2	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	19.31	19.45	19.69	20.2	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	19.43	19.43	19.73	20.2	0.0	

Part270 n78 Ant13 DSI5 PC2&PC3 DFT-30								
BW [MHz]	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		21.38			
100	PI/2 BPSK	1	137		21.22		22.5	0.0
100	PI/2 BPSK	1	271		21.09			
100	PI/2 BPSK	135	0		21.04		22.5	0.0
100	PI/2 BPSK	135	69		21.19		22.5	0.0
100	PI/2 BPSK	135	138		21.04			
100	PI/2 BPSK	270	0		20.72		22.5	0.0
100	QPSK	1	1		21.54			
100	QPSK	1	137		21.22		22.5	0.0
100	QPSK	1	271		21.22			
100	QPSK	135	0		20.54		22.5	0.0
100	QPSK	135	69		21.41		22.5	0.0
100	QPSK	135	138		20.54		22.5	0.0
100	QPSK	270	0		20.52			
100	16QAM	1	1		21.22		22.5	0.0
100	64QAM	1	1		21.16		21.5	1.0
100	256QAM	1	1		19.25		19.5	3.0
Channel				649668	650000	650334		
Frequency (MHz)				3745.02	3750	3755.01	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1		21.43	21.42	21.40	22.5
Channel				649334	650000	650668		
Frequency (MHz)				3740.01	3750	3760.02	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1		21.36	21.29	21.34	22.5
Channel				649000	650000	651000		
Frequency (MHz)				3735	3750	3765	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1		21.24	21.44	21.20	22.5
Channel				648668	650000	651334		
Frequency (MHz)				3730.02	3750	3770.01	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1		21.37	21.38	21.40	22.5
Channel				648334	650000	651668		
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1		21.47	21.25	21.44	22.5
Channel				648000	650000	652000		
Frequency (MHz)				3720	3750	3780	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1		21.30	21.17	21.27	22.5
Channel				647668	650000	652334		
Frequency (MHz)				3715.02	3750	3785.01	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1		21.35	21.42	21.40	22.5
Channel				647334	650000	652668		
Frequency (MHz)				3710.01	3750	3790.02	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1		21.43	21.29	21.34	22.5
Channel				647000	650000	652934		
Frequency (MHz)				3707.52	3750	3792.51	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1		21.30	21.17	21.27	22.5
Channel				647000	650000	653000		
Frequency (MHz)				3705	3750	3795	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1		21.24	21.44	21.29	22.5

Part27Q n78 Ant13 DSI5 PC2&PC3 DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633000				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1		21.62			
100	PI/2 BPSK	1	137		21.20		22.5	0.0
100	PI/2 BPSK	1	271		21.31			
100	PI/2 BPSK	135	0		21.19		22.5	0.0
100	PI/2 BPSK	135	69		21.31		22.5	0.0
100	PI/2 BPSK	135	138		20.96			
100	PI/2 BPSK	270	0		20.71		22.5	0.0
100	QPSK	1	1		21.69			
100	QPSK	1	137		21.18		22.5	0.0
100	QPSK	1	271		21.46			
100	QPSK	135	0		20.68		22.5	0.0
100	QPSK	135	69		21.51		22.5	0.0
100	QPSK	135	138		20.67		22.5	0.0
100	QPSK	270	0		20.70			
100	16QAM	1	1		20.68		22.5	0.0
100	64QAM	1	1		21.21		21.5	1.0
100	256QAM	1	1		19.26		19.5	3.0
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1		21.57	21.61	21.49	22.5
Channel				632668	633334	634000		
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1		21.45	21.42	21.35	22.5
Channel				632334	633334	634334		
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1		21.53	21.39	21.36	22.5
Channel				632000	633334	634668		
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1		21.37	21.49	21.25	22.5
Channel				631668	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1		21.42	21.63	21.47	22.5
Channel				631334	633334	635334		
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1		21.57	21.47	21.34	22.5
Channel				631000	633334	635668		
Frequency (MHz)				3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1		21.42	21.50	21.34	22.5
Channel				630668	633334	636000		
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1		21.34	21.50	21.46	22.5
Channel				630500	633334	636168		
Frequency (MHz)				3457.5	3500.01	3542.52	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1		21.45	21.42	21.35	22.5
Channel				630334	633334	636334		
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1		21.57	21.47	21.34	22.5

WLAN/Bluetooth Power

2.4GHz WLAN				Art 16	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Duty Cycle %
802.11b 1Mbps	1	2412	19.40	20.50	100.00
	6	2437	19.53	20.50	
	11	2462	19.19	20.50	
802.11g 6Mbps	1	2412	19.12	20.50	100.00
	6	2437	19.29	20.50	
	11	2462	18.66	20.50	
802.11aHT20 MCS0	1	2412	18.16	20.50	100.00
	6	2437	18.55	20.50	
	11	2462	17.98	19.50	
802.11aHT40 MCS0	6	2437	18.17	19.50	100.00
	9	2452	17.86	19.50	
	1	2412	18.79	20.50	
802.11aHE20 MCS0	6	2437	18.16	20.50	100.00
	11	2462	18.29	20.50	
	3	2422	17.79	19.50	
802.11aHE40 MCS0	6	2437	17.98	19.50	100.00
	9	2452	17.49	19.50	
	3	2422	17.63	19.50	

Art 18					
Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Duty Cycle %
802.11b 1Mbps	1	2412	19.11	20.50	100.00
	6	2437	19.32	20.50	
	11	2462	19.95	20.50	
802.11g 6Mbps	1	2412	18.62	20.50	100.00
	6	2437	19.79	20.50	
	11	2462	18.28	20.50	
802.11aHT20 MCS0	1	2412	17.52	19.50	100.00
	6	2437	18.06	20.00	
	11	2462	17.89	19.50	
802.11aHT40 MCS0	3	2422	17.88	19.50	100.00
	6	2437	17.69	19.50	
	9	2452	17.81	19.50	
802.11aHE20 MCS0	1	2412	18.46	20.00	100.00
	6	2437	18.59	20.50	
	11	2462	18.44	20.00	
802.11aHE40 MCS0	3	2422	17.63	19.50	100.00
	6	2437	17.53	19.50	
	9	2452	17.59	19.50	

Full power						For Hologram Simultaneous		For Head Standalone		For Head SRS		For Head Simultaneous	
Mode	Channel	Frequency (MHz)	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	Duty Cycle %
802.11b 1Mbps	1	2412	22.27	23.50	17.16	18.50	16.91	18.00	15.76	16.50	15.96	11.50	100.00
	6	2437	22.44	23.50	17.39	18.50	17.13	18.00	15.94	16.50	11.05	11.50	
	11	2462	22.08	23.50	17.23	18.50	16.86	18.00	15.88	16.50	10.83	11.50	
802.11g 6Mbps	1	2412	21.89	23.50		18.50		18.00		16.50		11.50	100.00
	6	2437	23.55	23.50		18.50		18.00		16.50		11.50	
	11	2462	21.48	23.00		18.50		18.00		16.50		11.50	
802.11aHT20 MCS0	1	2412	21.07	23.00		18.50		18.00		16.50		11.50	100.00
	6	2437	21.32	23.00		18.50		18.00		16.50		11.50	
	11	2462	20.96	22.50		18.50		18.00		16.50		11.50	
802.11aHT40 MCS0	3	2422	20.75	22.50	Not Required	18.50	Not Required	18.00	Not Required	16.50	Not Required	11.50	100.00
	6	2437	20.95	22.50		18.50		18.00		16.50		11.50	
	9	2452	20.65	22.50		18.50		18.00		16.50		11.50	
802.11aHE20 MCS0	1	2412	21.84	23.50		18.50		18.00		16.50		11.50	100.00
	6	2437	21.89	23.50		18.50		18.00		16.50		11.50	
	11	2462	21.38	23.00		18.50		18.00		16.50		11.50	
802.11aHE40 MCS0	3	2422	20.72	22.50		18.50		18.00		16.50		11.50	100.00
	6	2437	20.77	22.50		18.50		18.00		16.50		11.50	
	9	2452	20.45	22.00		18.50		18.00		16.50		11.50	



S.EDGE WLAN							Ant 17	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Day Cycle %			
802.11a BMbps	36	5180	18.33	20.00				
	40	5200	18.40	20.00				
	44	5220	18.39	20.00				100.00
	48	5240	18.38	20.00				
802.11a HT20 MCS9	36	5180	18.20	20.00				
	40	5200	18.16	20.00				
	44	5220	18.01	20.00				100.00
	48	5240	18.23	20.00				
802.11a HT40 MCS9	36	5180	17.20	19.00				
	40	5200	17.22	19.00				100.00
	44	5220	17.32	19.00				
	48	5240	17.29	19.00				
802.11ac VHT20 MCS9	36	5180	18.52	20.00				
	40	5200	18.55	20.00				
	44	5220	18.12	20.00				100.00
	48	5240	18.39	20.00				
802.11ac VHT40 MCS9	36	5180	17.28	19.00				
	40	5200	17.21	19.00				100.00
	44	5220	17.16	18.00				
	48	5240	18.39	20.00				
802.11ac HE20 MCS9	36	5180	18.52	20.00				
	40	5200	18.39	20.00				100.00
	44	5220	18.28	20.00				
	48	5240	18.39	20.00				
802.11ac HE40 MCS9	36	5180	17.33	19.00				
	40	5200	17.26	18.00				100.00
	44	5220	17.26	18.00				
	48	5240	18.52	18.00				

S.EDGE WLAN							Ant 17	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Day Cycle %			
802.11a BMbps	52	5260	18.58	20.00				
	56	5280	18.71	20.00				100.00
	60	5300	18.69	20.00				
	64	5320	18.78	20.00				
802.11a HT20 MCS9	52	5260	18.35	20.00				
	56	5280	18.43	20.00				100.00
	60	5300	18.39	20.00				
	64	5320	18.45	20.00				
802.11a HT40 MCS9	54	5270	17.43	19.00				
	62	5310	17.62	19.00				100.00
	52	5260	18.44	20.00				
	56	5280	18.39	20.00				
802.11ac VHT20 MCS9	52	5260	18.58	20.00				
	56	5280	18.59	20.00				100.00
	60	5300	18.52	20.00				
	64	5320	18.50	20.00				
802.11ac VHT40 MCS9	54	5270	17.43	19.00				
	62	5310	17.56	19.00				100.00
	58	5290	18.33	18.00				
	60	5300	18.34	17.50				100.00
802.11ac HE20 MCS9	52	5260	18.62	20.00				
	56	5280	18.52	20.00				100.00
	60	5300	18.64	20.00				
	64	5320	18.61	20.00				
802.11ac HE40 MCS9	54	5270	17.58	19.00				
	62	5310	17.72	19.00				100.00
	58	5290	18.36	18.00				
	60	5290	18.52	17.50				100.00

S.EDGE WLAN							Ant 17	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Day Cycle %			
802.11a BMbps	100	5500	18.02	20.00				
	116	5580	18.28	20.00				100.00
	124	5620	18.09	20.00				
	132	5660	18.36	20.00				
802.11a HT20 MCS9	140	5700	18.08	20.00				
	144	5720	18.07	20.00				100.00
	100	5500	18.02	20.00				
	116	5580	18.05	20.00				
802.11a HT40 MCS9	124	5620	18.03	20.00				
	132	5660	18.15	20.00				100.00
	140	5700	18.02	20.00				
	144	5720	18.06	20.00				
802.11ac VHT20 MCS9	102	5510	17.04	19.00				
	110	5550	17.60	19.00				100.00
	126	5630	17.01	19.00				
	134	5670	17.16	19.00				
802.11ac VHT40 MCS9	142	5710	17.03	19.00				
	100	5500	18.02	20.00				100.00
	116	5580	18.06	20.00				
	124	5620	18.03	20.00				
802.11ac HE20 MCS9	140	5700	18.01	20.00				
	144	5720	18.07	20.00				100.00
	102	5510	17.02	19.00				
	110	5550	17.60	19.00				
802.11ac HE40 MCS9	126	5630	17.01	19.00				
	134	5670	17.16	19.00				100.00
	142	5710	17.03	19.00				
	106	5530	16.02	18.00				
802.11ac HE80 MCS9	122	5610	16.11	18.00				100.00
	138	5690	16.06	18.00				
	114	5570	15.06	17.00				
	100	5500	18.03	20.00				
802.11ac HE20 MCS9	116	5580	18.08	20.00				
	124	5620	18.06	20.00				100.00
	132	5660	18.16	20.00				
	140	5700	18.02	20.00				
802.11ac HE40 MCS9	144	5720	18.09	20.00				
	102	5510	17.06	19.00				100.00
	110	5550	17.61	19.00				
	126	5630	17.02	19.00				
802.11ac HE80 MCS9	134	5670	17.22	19.00				
	142	5710	17.06	19.00				100.00
	106	5530	16.02	18.00				
	122	5610	16.11	18.00				
802.11ac HE80 MCS9	138	5690	16.06	18.00				100.00
	114	5570	15.06	17.00				
	100	5500	18.03	20.00				
	116	5580	18.08	20.00				
802.11ac HE20 MCS9	124	5620	18.06	20.00				100.00
	132	5660	18.16	20.00				
	140	5700	18.02	20.00				
	144	5720	18.09	20.00				
802.11ac HE40 MCS9	102	5510	17.06	19.00				100.00
	110	5550	17.61	19.00				
	126	5630	17.02	19.00				
	134	5670	17.22	19.00				
802.11ac HE80 MCS9	142	5710	17.06	19.00				100.00
	106	5530	16.02	18.00				
	122	5610	16.11	18.00				
	138	5690	16.06	18.00				
802.11ac HE80 MCS9	114	5570	15.06	17.00				100.00
	100	5500	18.03	20.00				
	116	5580	18.08	20.00				
	124	5620	18.06	20.00				
802.11ac HE20 MCS9	132	5660	18.16	20.00				100.00
	140	5700	18.02	20.00				
	144	5720	18.09	20.00				
	102	5510	17.06	19.00				
802.11ac HE40 MCS9	110	5550	17.61	19.00				100.00
	126	5630	17.02	19.00				
	134	5670	17.22	19.00				
	142	5710	17.06	19.00				
802.11ac HE80 MCS9	106	5530	16.02	18.00				100.00
	122	5610	16.11	18.00				
	138	5690	16.06	18.00				
	114	5570	15.06	17.00				

S.EDGE WLAN							Ant 17	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Day Cycle %			
802.11a BMbps	148	5748	18.12	20.00				
	157	5786	18.16	20.00				100.00
	166	5825	18.20	20.00				
	149	5745	18.13	20.00				
802.11a HT20 MCS9	157	5786	18.19	20.00				
	166	5825	18.33	20.00				100.00
	151	5765	17.08	19.00				
	159	5765	17.11	19.00				
802.11a HT40 MCS9	149	5745	18.13	20.00				
	157	5786	18.19	20.00				100.00
	166	5825	18.39	20.00				
	151	5765	17.05	19.00				
802.11ac VHT20 MCS9	159	5765	17.30	19.00				100.00
	155	5775	18.00	18.00				
	148	5745	18.16	20.00				
	157	5786	18.16	20.00				100.00
802.11ac HE20 MCS9	166	5825	18.47	20.00				
	151	5765	17.11	19.00				100.00
	159	5765	17.33	19.00				
	155	5775	18.01	18.00				100.00

		Ant 18				
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Day Cycle %
2.2GHz WLAN	802.11a 6Mbps	36	5180	18.18	20.00	100.00
		40	5200	18.05	20.00	
		44	5220	18.08	20.00	
		48	5240	18.16	20.00	
	802.11a HT20 MCS9	36	5180	18.11	20.00	100.00
		40	5200	18.02	20.00	
		44	5220	18.05	20.00	
		48	5240	18.14	20.00	
	802.11a HT40 MCS9	36	5190	17.06	19.00	100.00
		46	5230	17.02	19.00	
		36	5190	16.93	20.00	
		44	5230	16.92	20.00	
	802.11a HT40 MCS8	46	5230	18.06	20.00	100.00
		48	5240	18.14	20.00	
		36	5190	17.95	19.00	
		42	5210	17.95	19.00	
802.11a HT40 MCS7	42	5210	16.90	18.00	100.00	
	36	5190	16.83	20.00		
	40	5200	18.03	20.00		
	44	5220	18.08	20.00		
802.11a HT40 MCS6	48	5240	16.19	20.00	100.00	
	38	5150	17.09	19.00		
	46	5230	17.11	19.00		
	42	5210	16.32	18.00		

BT BR/EDR		Ant16	Full power			
Mode	Channel	Frequency (MHz)	Average power (dBm)			
			1Mbps	2Mbps	3Mbps	
BR / EDR	CH 00	2402	15.15	12.37	12.24	
	CH 39	2441	15.28	12.58	12.23	
	CH 78	2480	15.09	12.37	12.08	
Tune-up Limit			16.5	14	14	

BT BR/EDR		Ant16	Receiver on			
Mode	Channel	Frequency (MHz)	Average power (dBm)			
			1Mbps	2Mbps	3Mbps	
BR / EDR	CH 00	2402	7.22	Not Required	Not Required	
	CH 39	2441	7.38			
	CH 78	2480	7.10			
Tune-up Limit			8.5	8.5	8.5	

BT LE 1Mbps		Ant16			
Mode	Channel	Frequency (MHz)	Average power (dBm)		
LE	CH 00	2402	5.73		
	CH 19	2440	6.85		
	CH 39	2480	4.99		
Tune-up Limit			7		

BT LE 2Mbps		Ant16			
Mode	Channel	Frequency (MHz)	Average power (dBm)		
LE	CH 00	2402	5.57		
	CH 19	2440	6.56		
	CH 39	2480	5.34		
Tune-up Limit			7		

BT BR/EDR		Ant18	Full power			
Mode	Channel	Frequency (MHz)	Average power (dBm)			
			1Mbps	2Mbps	3Mbps	
BR / EDR	CH 00	2402	15.79	12.75	13.05	
	CH 39	2441	15.95	12.79	13.11	
	CH 78	2480	16.11	13.00	12.87	
Tune-up Limit			17	14	14.5	

BT BR/EDR		Ant18	Receiver on			
Mode	Channel	Frequency (MHz)	Average power (dBm)			
			1Mbps	2Mbps	3Mbps	
BR / EDR	CH 00	2402	8.43	Not Required	Not Required	
	CH 39	2441	8.52			
	CH 78	2480	8.66			
Tune-up Limit			9	9	9	

BT LE 1Mbps		Ant18			
Mode	Channel	Frequency (MHz)	Average power (dBm)		
LE	CH 00	2402	8.74		
	CH 19	2440	9.37		
	CH 39	2480	8.11		
Tune-up Limit			10		

BT LE 2Mbps		Ant18			
Mode	Channel	Frequency (MHz)	Average power (dBm)		
LE	CH 00	2402	8.85		
	CH 19	2440	9.54		
	CH 39	2480	8.15		
Tune-up Limit			10		