



Band 2 Ant0 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turn-up Init. (dB)	MPE (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	18.56	18.85	18.72			
20	QPSK	1	49	18.58	18.84	18.71	10.8	0	
20	QPSK	1	99	18.83	18.81	18.82			
20	QPSK	50	0	18.52	18.59	18.53			
20	QPSK	50	24	18.44	18.45	18.57			
20	QPSK	50	50	18.55	18.55	18.47	10.8	0	
20	QPSK	100	0	18.57	18.49	18.49			
20	QPSK	100	0	18.47	18.48	18.42			
20	16QAM	1	49	18.40	18.69	18.57	10.8	0	
20	16QAM	1	99	18.52	18.39	18.65			
20	16QAM	50	0	18.51	18.45	18.48			
20	16QAM	50	24	18.47	18.45	18.47	10.8	0	
20	16QAM	50	50	18.56	18.49	18.49			
20	16QAM	100	0	18.45	18.55	18.51			
20	64QAM	1	0	18.50	18.54	18.54			
20	64QAM	1	49	18.53	18.59	18.71	10.8	0	
20	64QAM	1	99	18.50	18.77	18.63			
20	64QAM	50	0	18.45	18.48	18.48			
20	64QAM	50	24	18.57	18.47	18.54	10.8	0	
20	64QAM	50	50	18.42	18.53	18.37			
20	64QAM	100	0	18.40	18.71	18.51			
20	256QAM	1	49	18.42	18.55	18.58	10.8	0	
20	256QAM	1	99	18.66	18.63	18.37			
20	256QAM	50	0	18.42	18.58	18.52			
20	256QAM	50	24	18.40	18.43	18.51	10.8	0	
20	256QAM	50	50	18.43	18.63	18.69			
20	256QAM	100	0	18.56	18.39	18.69			
Channel									
Frequency (MHz)									
15	QPSK	1	0	18.43	18.71	18.58			
15	QPSK	1	37	18.48	18.54	18.68	10.8	0	
15	QPSK	1	74	18.58	18.47	18.66			
15	QPSK	36	0	18.45	18.53	18.37			
15	QPSK	36	20	18.36	18.67	18.48	10.8	0	
15	QPSK	36	36	18.41	18.55	18.66			
15	QPSK	75	0	18.51	18.35	18.43			
15	16QAM	1	4	18.41	18.35	18.39			
15	16QAM	1	37	18.34	18.53	18.52	10.8	0	
15	16QAM	1	74	18.59	18.42	18.62			
15	16QAM	36	0	18.40	18.30	18.44			
15	16QAM	36	20	18.40	18.30	18.32	10.8	0	
15	16QAM	36	36	18.46	18.36	18.44			
15	16QAM	75	0	18.33	18.61	18.56			
15	64QAM	1	0	18.36	18.46	18.55	10.8	0	
15	64QAM	1	37	18.57	18.48	18.62			
15	64QAM	1	74	18.55	18.63	18.53			
15	64QAM	36	0	18.41	18.41	18.58	10.8	0	
15	64QAM	36	20	18.46	18.36	18.44			
15	64QAM	36	36	18.34	18.45	18.31			
15	64QAM	75	0	18.27	18.67	18.42			
15	256QAM	1	4	18.44	18.41	18.22			
15	256QAM	1	37	18.28	18.40	18.52	10.8	0	
15	256QAM	1	74	18.61	18.41	18.22			
15	256QAM	36	0	18.37	18.52	18.46			
15	256QAM	36	20	18.25	18.38	18.48	10.8	0	
15	256QAM	36	36	18.37	18.44	18.59			
15	256QAM	75	0	18.47	18.25	18.43			
Channel									
Frequency (MHz)									
10	QPSK	1	0	18.50	18.76	18.60			
10	QPSK	1	25	18.44	18.59	18.65	10.8	0	
10	QPSK	1	49	18.49	18.44	18.48			
10	QPSK	1	74	18.48	18.48	18.48			
10	QPSK	25	12	18.32	18.62	18.44	10.8	0	
10	QPSK	25	26	18.49	18.48	18.56			
10	16QAM	50	0	18.48	18.59	18.37			
10	16QAM	1	18	18.43	18.35	18.35			
10	16QAM	1	26	18.26	18.61	18.49	10.8	0	
10	16QAM	1	49	18.36	18.49	18.59			
10	16QAM	25	0	18.46	18.40	18.33			
10	16QAM	25	12	18.33	18.39	18.37	10.8	0	
10	16QAM	25	26	18.52	18.48	18.49			
10	16QAM	50	0	18.33	18.58	18.57			
10	64QAM	1	0	18.37	18.48	18.58	10.8	0	
10	64QAM	1	24	18.51	18.51	18.44			
10	64QAM	1	49	18.52	18.72	18.55			
10	64QAM	25	0	18.29	18.34	18.64	10.8	0	
10	64QAM	25	12	18.42	18.35	18.35			
10	64QAM	25	26	18.30	18.48	18.28			
10	64QAM	50	0	18.28	18.66	18.45			
10	256QAM	1	0	18.35	18.41	18.41			
10	256QAM	1	26	18.37	18.20	18.55	10.8	0	
10	256QAM	1	49	18.51	18.46	18.25			
10	256QAM	25	0	18.58	18.44	18.21			
10	256QAM	25	12	18.33	18.32	18.34	10.8	0	
10	256QAM	25	26	18.32	18.37	18.38			
10	256QAM	50	0	18.44	18.30	18.43			
Channel									
Frequency (MHz)									
5	QPSK	1	0	18.61	18.71	18.63			
5	QPSK	1	12	18.45	18.56	18.67	10.8	0	
5	QPSK	1	24	18.57	18.45	18.49			
5	QPSK	12	0	18.45	18.44	18.44			
5	QPSK	12	7	18.35	18.70	18.45	10.8	0	
5	QPSK	12	13	18.45	18.47	18.55			
5	QPSK	36	0	18.45	18.60	18.48			
5	16QAM	1	0	18.33	18.33	18.32			
5	16QAM	1	12	18.29	18.65	18.48	10.8	0	
5	16QAM	1	24	18.36	18.48	18.51			
5	16QAM	12	0	18.36	18.35	18.39			
5	16QAM	12	7	18.43	18.31	18.35	10.8	0	
5	16QAM	12	13	18.55	18.44	18.41			
5	16QAM	25	0	18.35	18.51	18.48			
5	64QAM	1	0	18.43	18.45	18.52	10.8	0	
5	64QAM	1	12	18.55	18.57	18.52			
5	64QAM	1	24	18.51	18.71	18.52			
5	64QAM	12	0	18.30	18.43	18.55	10.8	0	
5	64QAM	12	7	18.41	18.35	18.38			
5	64QAM	12	13	18.31	18.39	18.28			
5	64QAM	25	0	18.29	18.64	18.45			
5	256QAM	1	0	18.46	18.49	18.54			
5	256QAM	1	12	18.28	18.59	18.59	10.8	0	
5	256QAM	1	24	18.51	18.38	18.21			
5	256QAM	12	0	18.57	18.48	18.49			
5	256QAM	12	7	18.29	18.29	18.45	10.8	0	
5	256QAM	12	13	18.39	18.45	18.54			
5	256QAM	25	0	18.53	18.28	18.46			
Channel									
Frequency (MHz)									
3	QPSK	1	0	18.59	18.74	18.59			
3	QPSK	1	8	18.57	18.55	18.61	10.8	0	
3	QPSK	1	14	18.53	18.36	18.59			
3	QPSK	8	0	18.47	18.47	18.39			
3	QPSK	8	4	18.30	18.64	18.52	10.8	0	
3	QPSK	8	7	18.48	18.56	18.58			
3	QPSK	15	0	18.45	18.64	18.46			
3	16QAM	1	0	18.41	18.40	18.30			
3	16QAM	1	8	18.28	18.61	18.45	10.8	0	
3	16QAM	1	14	18.46	18.55	18.53			
3	16QAM	8	0	18.43	18.30	18.34			
3	16QAM	8	4	18.32	18.29	18.33	10.8	0	
3	16QAM	8	7	18.52	18.52	18.41			
3	64QAM	1	0	18.38	18.54	18.52			
3	64QAM	1	8	18.39	18.43	18.51	10.8	0	
3	64QAM	1	14	18.49	18.54	18.60			
3	64QAM	1	14	18.51	18.70	18.55			
3	64QAM	8	0	18.32	18.36	18.63			
3	64QAM	8	4	18.52	18.35	18.49	10.8	0	
3	64QAM	8	7	18.27	18.43	18.25			
3	64QAM	15	0	18.29	18.39	18.44			
3	256QAM	1	0	18.46	18.49	18.53			
3	256QAM	1	8	18.27	18.39	18.55	10.8	0	
3	256QAM	1	14	18.61	18.39	18.27			
3	256QAM	8	0	18.60	18.43	18.43			
3	256QAM	8	4	18.33	18.35	18.47	10.8	0	
3	256QAM	8	7	18.55	18.58	18.43			
3	256QAM	15	0	18.50	18.32	18.42			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	18.48	18.74	18.53			
1.4	QPSK	1	3	18.44	18.57	18.68	10.8	0	
1.4	QPSK	1	5	18.50	18.46	18.51			
1.4	QPSK	3	0	18.48	18.47	18.39			
1.4	QPSK	3	1	18.39	18.66	18.57			
1.4	QPSK	3	3	18.51	18.54	18.43			
1.4	QPSK	6	0	18.50	18.59	18.49	10.8	0	
1.4	QPSK	6	1	18.37	18.37	18.37			
1.4	QPSK	3	3	18.32	18.54	18.53			
1.4	QPSK	3	5	18.41	18.53	18.59			
1.4	QPSK	6	0	18.39	18.43	18.43	10.8	0	
1.4	QPSK	3	1	18.42	18.37	18.41			
1.4	QPSK	3	3	18.45	18.45	18.45			
1.4	QPSK	6	0	18.33	18.53	18.47	10.8	0	
1.4	QPSK	3	0	18.43	18.42	18.59			
1.4	QPSK	3	1	18.58	18.58	18.43			
1.4	QPSK	3	3	18.35	18.37	18.51	10.8	0	
1.4	QPSK	6	0	18.46	18.61	18.57			
1.4	QPSK	3	0	18.35	18.37	18.44	10.8		



Band 7 Ant0 Simultaneous												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up (dB)	MFR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	21.03	21.12	21.10			22.4	0		
20	QPSK	1	49	20.99	21.08	21.06						
20	QPSK	1	99	20.87	20.87	20.98						
20	QPSK	50	0	20.81	21.10	20.87			22.4	0		
20	QPSK	50	24	21.07	20.89	20.92						
20	QPSK	50	50	20.93	20.84	20.93						
20	QPSK	100	0	20.89	21.09	21.01			22.4	0		
20	QPSK	100	0	21.00	21.02	21.01						
20	HQAM	1	49	21.01	20.96	21.04						
20	HQAM	1	99	20.86	20.93	20.99			22.4	0		
20	HQAM	50	0	20.99	20.87	20.93						
20	HQAM	50	24	20.87	20.93	21.02						
20	HQAM	50	24	20.99	20.94	20.88			22.4	0		
20	HQAM	100	0	20.93	20.98	21.02						
20	HQAM	1	0	21.01	20.98	21.01						
20	HQAM	1	49	20.91	20.97	21.00			22.4	0		
20	HQAM	1	99	20.83	20.89	21.02						
20	HQAM	50	0	21.05	21.04	21.01						
20	HQAM	50	50	20.91	20.93	20.97			22.4	0		
20	HQAM	100	0	20.87	21.04	21.02						
20	SSBQAM	1	49	19.53	19.69	19.48					20	2.4
20	SSBQAM	1	99	19.43	19.68	19.51						
20	SSBQAM	50	0	19.50	19.63	19.51						
20	SSBQAM	50	24	19.19	19.28	19.45			20	2.4		
20	SSBQAM	50	24	19.28	19.23	19.28						
20	SSBQAM	100	0	19.49	19.38	19.39						
Channel												
Frequency (MHz)												
15	QPSK	1	0	20.72	20.91	20.81			22.4	0		
15	QPSK	1	37	20.83	20.74	20.79						
15	QPSK	1	74	20.69	20.69	20.81						
15	QPSK	36	0	20.56	20.74	20.69			22.4	0		
15	QPSK	36	20	20.89	20.69	20.72						
15	QPSK	36	36	20.59	20.69	20.74						
15	QPSK	75	0	20.65	20.73	20.69			22.4	0		
15	HQAM	1	74	20.67	20.61	20.72						
15	HQAM	1	37	20.69	20.65	20.77						
15	HQAM	36	0	20.55	20.68	20.76			22.4	0		
15	HQAM	36	0	20.52	20.68	20.76						
15	HQAM	36	20	20.70	20.68	20.68						
15	HQAM	75	0	20.69	20.69	20.75			22.4	0		
15	HQAM	75	0	20.67	20.70	20.73						
15	HQAM	1	0	20.78	20.79	20.81						
15	HQAM	1	37	20.67	20.71	20.73			22.4	0		
15	HQAM	1	74	20.53	20.66	20.74						
15	HQAM	36	0	20.55	20.91	20.73			22.4	0		
15	HQAM	36	20	20.67	20.70	20.75						
15	HQAM	36	36	20.54	20.50	20.74						
15	HQAM	75	0	20.59	20.95	20.89			20	2.4		
15	HQAM	75	0	20.73	20.68	20.76						
15	SSBQAM	1	37	19.53	19.54	19.47						
15	SSBQAM	1	74	19.45	19.63	19.51			20	2.4		
15	SSBQAM	15	0	19.50	19.58	19.53						
15	SSBQAM	36	20	19.19	19.26	19.41						
15	SSBQAM	36	39	19.18	19.17	19.27			20	2.4		
15	SSBQAM	75	0	19.18	19.25	19.20						
Channel												
Frequency (MHz)												
10	QPSK	1	0	20.81	20.96	20.93			22.4	0		
10	QPSK	1	25	20.85	20.70	20.78						
10	QPSK	1	49	20.63	20.56	20.78						
10	QPSK	25	0	20.59	20.65	20.69			22.4	0		
10	QPSK	25	12	20.81	20.69	20.68						
10	QPSK	25	25	20.62	20.49	20.75						
10	QPSK	50	0	20.64	20.74	20.66			22.4	0		
10	HQAM	1	0	20.71	20.76	20.64						
10	HQAM	1	25	20.68	20.78	20.62						
10	HQAM	25	0	20.57	20.58	20.62			22.4	0		
10	HQAM	25	12	20.61	20.63	20.61						
10	HQAM	25	25	20.72	20.71	20.63						
10	HQAM	50	0	20.77	20.68	20.74			22.4	0		
10	HQAM	1	0	20.84	20.61	20.81						
10	HQAM	1	25	20.72	20.75	20.63						
10	HQAM	1	49	20.50	20.67	20.66			22.4	0		
10	HQAM	25	0	20.57	20.58	20.62						
10	HQAM	25	12	20.61	20.63	20.61						
10	HQAM	25	25	20.67	20.71	20.63			22.4	0		
10	HQAM	50	0	20.72	20.68	20.74						
10	HQAM	50	0	19.46	19.60	19.61						
10	SSBQAM	1	25	19.43	19.60	19.48			20	2.4		
10	SSBQAM	1	49	19.41	19.63	19.44						
10	SSBQAM	25	0	19.51	19.45	19.18						
10	SSBQAM	25	12	19.19	19.22	19.42			20	2.4		
10	SSBQAM	25	25	19.23	19.24	19.20						
10	SSBQAM	50	0	19.19	19.20	19.23						
Channel												
Frequency (MHz)												
5	QPSK	1	0	20.67	20.78	20.79			22.4	0		
5	QPSK	1	12	20.81	20.78	20.78						
5	QPSK	1	24	20.68	20.55	20.79						
5	QPSK	12	0	20.61	20.86	20.69			22.4	0		
5	QPSK	12	7	20.78	20.67	20.68						
5	QPSK	12	13	20.67	20.57	20.71						
5	QPSK	25	0	20.63	20.76	20.77			22.4	0		
5	HQAM	1	0	20.62	20.65	20.79						
5	HQAM	1	12	20.85	20.68	20.68						
5	HQAM	1	24	20.73	20.62	20.68			22.4	0		
5	HQAM	12	0	20.63	20.53	20.72						
5	HQAM	12	7	20.75	20.60	20.71						
5	HQAM	13	0	20.64	20.76	20.62			22.4	0		
5	HQAM	25	0	20.69	20.78	20.79						
5	HQAM	1	0	20.75	20.76	20.78						
5	HQAM	1	12	20.69	20.77	20.69			22.4	0		
5	HQAM	1	24	20.49	20.53	20.76						
5	HQAM	12	0	20.54	20.75	20.54						
5	HQAM	12	7	20.72	20.81	20.72			22.4	0		
5	HQAM	12	13	20.69	20.74	20.64						
5	HQAM	25	0	20.70	20.79	20.74						
5	HQAM	1	0	19.41	19.62	19.61			20	2.4		
5	SSBQAM	1	12	19.48	19.59	19.44						
5	SSBQAM	1	24	19.25	19.34	19.24						
5	SSBQAM	12	7	19.09	19.21	19.41			20	2.4		
5	SSBQAM	12	13	19.20	19.20	19.20						
5	SSBQAM	25	0	19.22	19.28	19.28						

Band 12 Ant0 Simultaneous												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up (dB)	MFR (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.63	22.76	22.61			24	0		
10	QPSK	1	25	22.65	22.66	22.64						
10	QPSK	1	49	22.61	22.62	22.61						
10	QPSK	25	0	22.64	22.75	22.62			24	0		
10	QPSK	25	12	22.59	22.58	22.72						
10	QPSK	25	25	22.70	22.67	22.71						
10	QPSK	50	0	22.70	22.75	22.72			24	0		
10	HQAM	1	0	22.56	22.57	22.52						
10	HQAM	1	25	22.50	22.46	22.59						
10	HQAM	1	49	22.51	22.47	22.58			24	0		
10	HQAM	25	0	22.49	22.53	22.49						
10	HQAM	25	12	22.50	22.54	22.50						
10	HQAM	25	25	22.53	22.51	22.50			24	0		
10	HQAM	50	0	22.52	22.54	22.56						
10	HQAM	50	25	22.51	22.48	22.53						
10	HQAM	1	25	22.50	22.48	22.57			24	0		
10	HQAM	1	49	22.42	22.57	22.45						
10	HQAM	25	12	22.62	22.70	22.65						
10	HQAM	25	25	22.52	22.49	22.56			24	0		
10	HQAM	50	0	22.52	22.49	22.56						
10	HQAM	50	25	22.59	22.58	22.57						
10	25QAM	1	0	19.06	19.25	19.31			20	4		
10	25QAM	1	25	19.10	19.27	19.12						
10	25QAM	1	49	19.05	19.21	19.21						
10	25QAM	25	0	18.89	19.00	18.91			20	4		
10	25QAM	25	12	18.84	18.89	19.02						
10	25QAM	25	25	18.77	18.86	18.98						
10	25QAM	50	0	18.93	18.99	18.88			20	4		
10	25QAM	50	25	18.90	18.98	18.98						
Channel				701.5	709.5	713.5	Turn-up (dB)	MFR (dB)				
5	QPSK	1	0	22.50	22.57	22.54			24	0		
5	QPSK	1	12	22.62	22.53	22.60						
5	QPSK	1	24	22.63	22.56	22.61						
5	QPSK	12	0	22.63	22.62	22.46			24	0		
5	QPSK	12	7	22.48	22.54	22.58						
5	QPSK	12	14	22.52	22.54	22.57						
5	QPSK	25	0	22.60	22.74	22.63			24	0		
5	HQAM	1	0	22.49	22.41	22.50						
5	HQAM	1	12	22.52	22.38	22.58						
5	HQAM	1	24	22.38	22.43	22.48			24	0		
5	HQAM	12	0	22.48	22.42	22.48						
5	HQAM	12	7	22.42	22.59	22.55						
5	HQAM	12	14	22.44	22.54	22.56			24	0		
5	HQAM	25	0	22.39	22.59	22.59						
5	HQAM	25	12	22.41	22.43	22.57						
5	HQAM	25	24	22.35	22.55	22.50			24	0		
5	HQAM	50	0	22.32	22.52	22.46						
5	HQAM	50	24	22.45	22.61	22.59						
5	HQAM	12	13	22.42	22.42	22.38			24	0		
5	25QAM	1	0	19.07	19.25	19.02						
5	25QAM	1	12	19.07	19.25	19.02						
5	25QAM	1	24	18.83	19.01	18.84			20	4		
5	25QAM	12	7	18.80	18.81	18.99						
5	25QAM	12	14	18.82	18.74	18.85						
5	25QAM	25	0	19.02	19.02	18.63			20	4		
5	25QAM	25	12	18.96	18.98	18.98						
Channel				230.5	239.5	243.5	Turn-up (dB)	MFR (dB)				
3	QPSK	1	0	22.47	22.59	22.49			24	0		
3	QPSK	1	8	22.55	22.48	22.62						
3	QPSK	1	16	22.63	22.53	22.61						
3	QPSK	8	0	22.52	22.66	22.44			24	0		
3	QPSK	8	4	22.47	22.48	22.71						
3	QPSK	8	12	22.51	22.63	22.63						
3	QPSK	15	0	22.68	22.61	22.69			24	0		
3	HQAM	1	0	22.37	22.43	22.48						
3	HQAM	1	8	22.45	22.45	22.45						
3	HQAM	1	16	22.45	22.42	22.44			24	0		
3	HQAM	8	0	22.39	22.49	22.41						
3	HQAM	8	4	22.43	22.43	22.43						
3	HQAM	8	7	22.43	22.53	22.52			24	0		
3	HQAM	15	0	22.46	22.48	22.50						
3	HQAM	15	8	22.47	22.43	22.59						
3	HQAM	1	8	22.32	22.36	22.54			24	0		
3	HQAM	1	14	22.36	22.41	22.38						
3	HQAM	8	4	22.57	22.70	22.57						
3	HQAM	8	7	22.38	22.41	22.48			24	0		
3	HQAM	15	0	22.53	22.53	22.53						
3	HQAM	15	8	22.32	22.36	22.54						
3	25QAM	1	0	19.06	19.19	19.25			20	4		
3	25QAM	1	8	18.99	18.77	19.02						
3	25QAM	1	16	19.00	18.90	18.90						
3	25QAM	8	0	18.79	18.05	18.85			20	4		
3	25QAM	8	4	18.76	18.81	18.99						
3	25QAM	8	7	18.82	18.71	18.82						
3	25QAM	15	0	18.98	18.98	18.91			20	4		
Channel				230.7	230.5	231.5	Turn-up (dB)	MFR (dB)				
1.4	QPSK	1	0	22.62	22.68	22.57					24	0
1.4	QPSK	1	3	22.56	22.65	22.61						
1.4	QPSK	1	6	22.53	22.50	22.63						
1.4	QPSK	3	0	22.68	22.67	22.61			24	0		
1.4	QPSK	3	1	22.47	22.49	22.53						
1.4	QPSK	3	3	22.53	22.54	22.56						
1.4	QPSK	3	6	22.50	22.65	22.62			24	0		
1.4	HQAM	1	0	22.49	22.54	22.50						
1.4	HQAM	1	3	22.45	22.45	22.43						
1.4	HQAM	1	6	22.40	22.38	22.47			24	0		
1.4	HQAM	3	0	22.31	22.33	22.48						
1.4	HQAM	3	1	22.52	22.64	22.44						
1.4	HQAM	3	3	22.44	22.50	22.48			24	0		
1.4	HQAM	6	0	22.36	22.56	22.63						
1.4	HQAM	6	3	22.41	22.54	22.49						
1.4	HQAM	6	6	22.38	22.38	22.37			24	0		
1.4	HQAM	1	0	22.25	22.53	22.40						
1.4	HQAM	1	3	22.47	22.42	22.40						
1.4	HQAM	3	0	22.59	22.42	22.68			24	0		
1.4	HQAM	3	3	22.48	22.42	22.53						
1.4	HQAM	3	6	22.43	22.60	22.41						
1.4	25QAM	1	0	19.16	19.28	19.28			20	4		
1.4	25QAM	1	3	19.00	19.19	19.05						
1.4	25QAM	1	6	18.99	18.20	18.98						
1.4	25QAM	3	0	18.83	18.86	18.96			20	4		
1.4	25QAM	3	1	18.82	18.86	18.84						
1.4	25QAM	3	3	18.76	18.75	18.77						

Band 2 Ant1 Standalone											
SR (MHz)	Modulation	RB Size	RB Offset	Power Level	Modulation	Power Level	Turn-on Time (s)	APRS (s)			
Channel											
Frequency (MHz)				1800	1800	1800	Turn-on Time (s)	APRS (s)			
20	QPSK	1	0	20.02	20.08	20.07	20.0	0			
20	QPSK	1	48	19.98	19.92	19.93					
20	QPSK	1	96	19.91	19.98	19.95					
20	QPSK	50	0	20.01	19.99	19.99					
20	QPSK	50	24	20.01	19.93	19.83	20.0	0			
20	QPSK	50	50	20.05	19.98	19.98					
20	QPSK	100	0	19.98	19.97	19.94					
20	QPSK	100	0	19.98	19.98	19.98					
20	16QAM	1	0	19.99	19.99	19.99	20.0	0			
20	16QAM	1	48	19.79	19.93	19.89					
20	16QAM	1	96	19.88	19.92	19.91					
20	16QAM	50	0	19.75	19.85	19.75					
20	16QAM	50	24	19.98	19.98	19.98	20.0	0			
20	16QAM	50	50	20.02	19.92	19.79					
20	16QAM	100	0	20.01	20.01	19.99					
20	16QAM	100	0	20.01	20.01	19.99					
20	256QAM	1	0	19.32	19.32	19.32	18.0	2			
20	256QAM	1	48	19.36	19.34	19.31					
20	256QAM	50	0	19.36	19.34	19.31					
20	256QAM	50	24	18.16	18.27	18.15					
20	256QAM	50	50	18.16	18.27	18.15	18.0	2			
20	256QAM	100	0	18.07	18.16	18.14					
Channel				1800	1800	1800	Turn-on Time (s)	APRS (s)			
Frequency (MHz)				1800	1800	1800	Turn-on Time (s)	APRS (s)			
15	QPSK	1	0	19.08	19.01	18.98	20.0	0			
15	QPSK	1	37	19.03	19.76	19.07					
15	QPSK	1	74	19.04	19.77	19.07					
15	QPSK	36	0	19.03	19.04	19.03					
15	QPSK	36	20	19.03	19.04	19.03	20.0	0			
15	QPSK	36	50	19.02	19.04	19.04					
15	QPSK	75	0	19.03	19.03	19.03					
15	16QAM	1	0	19.76	19.76	19.76					
15	16QAM	1	37	19.66	19.62	19.59	20.0	0			
15	16QAM	1	74	19.74	19.74	19.69					
15	16QAM	36	0	19.67	19.67	19.73					
15	16QAM	36	20	19.68	19.65	19.65					
15	16QAM	36	50	19.65	19.69	19.67	20.0	0			
15	16QAM	75	0	19.61	19.67	19.77					
15	8QAM	1	0	19.73	19.66	19.64		20.0	0		
15	8QAM	1	37	19.69	19.70	19.70					
15	8QAM	1	74	19.61	19.61	19.76					
15	8QAM	36	0	19.65	19.75	19.76					
15	8QAM	36	20	19.74	19.69	19.65	20.0	0			
15	8QAM	36	50	19.57	19.68	19.63					
15	8QAM	75	0	19.68	19.68	19.68					
15	256QAM	1	0	18.22	18.27	18.21	18.0	2			
15	256QAM	1	37	18.15	18.24	18.25					
15	256QAM	1	74	18.16	18.24	18.22					
15	256QAM	50	0	18.14	18.24	18.25					
15	256QAM	50	24	18.14	18.11	18.11	18.0	2			
15	256QAM	50	50	18.08	18.20	18.14					
15	256QAM	100	0	18.06	18.08	18.04					
Channel				1800	1800	1800	Turn-on Time (s)	APRS (s)			
Frequency (MHz)				1800	1800	1800	Turn-on Time (s)	APRS (s)			
10	QPSK	1	0	19.08	19.07	19.08	20.0	0			
10	QPSK	1	25	19.73	19.81	19.75					
10	QPSK	1	48	19.03	19.77	19.84					
10	QPSK	25	0	19.08	19.76	19.76					
10	QPSK	25	12	19.06	19.76	19.76	20.0	0			
10	QPSK	25	25	19.08	19.76	19.76					
10	QPSK	50	0	19.72	19.84	19.81					
10	16QAM	1	0	19.92	19.76	19.83					
10	16QAM	1	28	19.82	19.74	19.82	20.0	0			
10	16QAM	1	48	19.82	19.80	19.80					
10	16QAM	25	0	19.68	19.67	19.75					
10	16QAM	25	12	19.76	19.76	19.77					
10	16QAM	25	25	19.81	19.84	19.83	20.0	0			
10	16QAM	50	0	19.81	19.82	19.82					
10	8QAM	1	0	19.91	19.75	19.75		20.0	0		
10	8QAM	1	25	19.91	19.75	19.75					
10	8QAM	1	48	19.84	19.85	19.85					
10	8QAM	25	0	19.86	19.82	19.82					
10	8QAM	25	12	19.83	19.84	19.83	20.0	0			
10	8QAM	25	25	19.85	19.86	19.85					
10	8QAM	50	0	19.74	19.75	19.86					
10	256QAM	1	0	18.20	18.20	18.20					
10	256QAM	1	25	18.08	18.20	18.24	18.0	2			
10	256QAM	1	48	18.08	18.21	18.20					
10	256QAM	50	0	18.08	18.07	18.08					
10	256QAM	50	12	18.08	18.07	18.08					
10	256QAM	25	0	18.02	18.14	18.12	18.0	2			
Channel				1800	1800	1800	Turn-on Time (s)	APRS (s)			
Frequency (MHz)				1800	1800	1800	Turn-on Time (s)	APRS (s)			
5	QPSK	1	0	19.87	19.87	19.84	20.0	0			
5	QPSK	1	12	19.86	19.87	19.86					
5	QPSK	1	24	19.81	19.75	19.85					
5	QPSK	12	0	20.02	19.88	19.83					
5	QPSK	12	7	19.89	19.77	19.76	20.0	0			
5	QPSK	12	13	19.94	19.86	19.82					
5	QPSK	25	0	19.86	19.85	19.84					
5	16QAM	1	0	19.84	19.85	19.87					
5	16QAM	1	12	19.74	19.75	19.77	20.0	0			
5	16QAM	1	24	19.77	19.86	19.77					
5	16QAM	12	0	19.82	19.84	19.77					
5	16QAM	12	7	19.76	19.83	19.86					
5	16QAM	12	13	19.87	19.86	19.85	20.0	0			
5	16QAM	25	0	20.01	20.03	19.83					
5	8QAM	1	0	19.76	19.81	19.77		20.0	0		
5	8QAM	1	12	19.86	19.79	19.85					
5	8QAM	1	24	19.79	19.79	19.79					
5	8QAM	12	0	19.87	19.85	19.87					
5	8QAM	12	7	19.80	19.87	19.88	20.0	0			
5	8QAM	12	13	19.85	19.76	19.75					
5	8QAM	25	0	19.81	19.84	19.86					
5	8QAM	25	12	19.85	19.76	19.75	20.0	0			
5	8QAM	25	25	19.81	19.84	19.86					
5	8QAM	50	0	19.74	19.75	19.86					
5	256QAM	1	0	18.17	18.20	18.20	18.0	2			
5	256QAM	1	12	18.12	18.21	18.20					
5	256QAM	1	24	18.16	18.24	18.24					
5	256QAM	12	0	18.15	18.15	18.14					
5	256QAM	12	7	18.15	18.15	18.14	18.0	2			
5	256QAM	12	13	18.08	18.14	18.14					
5	256QAM	25	0	18.02	18.14	18.12	18.0	2			
Channel				1800	1800	1800	Turn-on Time (s)	APRS (s)			
Frequency (MHz)				1800	1800	1800	Turn-on Time (s)	APRS (s)			
3	QPSK	1	0	19.87	19.86	19.86	20.0	0			
3	QPSK	1	0	19.83	19.83	19.83					
3	QPSK	1	14	19.87	19.74	19.84					
3	QPSK	1	28	19.87	19.74	19.84					
3	QPSK	8	0	19.82	19.86	19.83	20.0	0			
3	QPSK	8	7	19.88	19.82	19.85					
3	QPSK	15	0	19.83	19.84	19.85					
3	QPSK	15	7	19.73	19.87	19.87					
3	16QAM	1	0	19.71	19.86	19.77	20.0	0			
3	16QAM	1	14	19.69	19.84	19.76					
3	16QAM	8	0	19.73	19.76	19.77					
3	16QAM	8	7	19.75	19.76	19.77					
3	16QAM	8	7	19.87	19.84	19.77	20.0	0			
3	16QAM	8	14	19.87	19.84	19.77					
3	16QAM	15	0	19.79	19.87	19.87		20.0	0		
3	16QAM	15	7	19.75	19.87	19.87					
3	8QAM	1	0	19.76	19.81	19.81			20.0	0	
3	8QAM	1	14	19.71	19.71	19.85					
3	8QAM	8	0	19.76	19.76	19.81					
3	8QAM	8	7	19.82	19.81	19.84					
3	256QAM	1	0	18.20	18.27	18.22	18.0	2			
3	256QAM	1	8	18.14	18.24	18.20					
3	256QAM	8	14	18.16	18.24	18.21					
3	256QAM	8	13	18.11	18.16	18.17					
3	256QAM	8	4	18.03	18.16	18.13	18.0	2			
3	256QAM	8	7	18.06	18.19	18.20					
Channel				1800	1800	1800	Turn-on Time (s)	APRS (s)			
Frequency (MHz)				1800	1800	1800	Turn-on Time (s)	APRS (s)			
1.4	QPSK	1	0	19.72	19.72	19.72	20.0	0			
1.4	QPSK	1	3	19.86	19.78	19.84					
1.4	QPSK	1	3	19.86	19.78	19.84					
1.4	QPSK	3	0	19.83	19.84	19.85					
1.4	QPSK	3	3	19.81	19.81	19.84	20.0	0			
1.4	QPSK	3	3	19.83	19.84	19.85					
1.4	QPSK	6	0	19.82	19.79	19.84					
1.4	QPSK	6	3	19.75	19.76	19.81					
1.4	16QAM	1	0	19.76	19.76	19.76	20.0	0			
1.4	16QAM	1	3	19.75	19.78	19.81					
1.4	16QAM	3	0	19.78	19.87	19.82					
1.4	16QAM	3	3	19.80	19.80	19.82					
1.4	16QAM	6	0	19.76	19.80	19.80	20.0	0			
1.4	16QAM	6	3	19.79	19.80	19.80					
1.4	16QAM	1	3	19.85	19.86	19.82					
1.4	16QAM	1	6	19.74	19.87	19.78					
1.4	16QAM	1	6	19.74	19.87	19.78	20.0	0			
1.4	16QAM	3	0	19.71	19.81	19.84					
1.4	16QAM	3	3	19.81	19.88	19.81					
1.4	16QAM</										

Band 7 Ant1 Standalone											
RF B/W	Modulation	RF Size	RF Offset	Power Level	Power Min(dBm)	Power Max(dBm)	Time-to-Acquire (s)	APR (dB)			
Channel											
Frequency (MHz)				2310	2335	2350					
20	QPSK	1	0	19.97	20.23	20.00	21.8	0			
20	QPSK	1	40	19.94	20.12	20.06					
20	QPSK	1	80	19.79	20.02	19.98					
20	QPSK	50	0	19.98	20.07	20.04	21.8	0			
20	QPSK	50	20	20.01	19.99	20.00					
20	QPSK	50	40	19.99	20.04	20.01					
20	16QAM	1	0	20.01	20.16	20.01	21.8	0			
20	16QAM	1	40	19.93	20.13	19.88					
20	16QAM	1	80	19.82	20.12	19.12					
20	16QAM	50	0	20.05	20.13	19.99	21.8	0			
20	16QAM	50	20	19.98	19.74	19.19					
20	16QAM	50	40	19.95	19.90	20.00					
20	256QAM	1	0	19.82	20.12	19.87	21.8	0			
20	256QAM	1	40	19.91	19.95	20.00					
20	256QAM	1	80	19.75	19.86	19.81					
20	256QAM	50	0	20.12	19.77	20.01	21.8	0			
20	256QAM	50	20	19.91	19.94	20.01					
20	256QAM	50	40	19.94	19.87	19.87					
20	256QAM	100	0	19.83	20.14	19.85	21.8	0			
20	256QAM	1	0	19.80	19.87	19.83					
20	256QAM	1	40	19.79	19.80	19.83					
20	256QAM	50	0	19.85	19.87	19.82	20	1.6			
20	256QAM	50	20	19.81	19.88	19.78					
20	256QAM	50	40	19.75	19.86	19.85					
20	256QAM	100	0	19.78	19.85	19.84	20	1.6			
Channel				2355	2355	2355.5					
Frequency (MHz)				2355	2355	2355.5	Time-to-Acquire (s)	APR (dB)			
15	QPSK	1	0	19.83	20.17	19.87	21.8	0			
15	QPSK	1	40	19.74	20.08	19.85					
15	QPSK	1	80	19.67	19.89	19.83					
15	QPSK	36	0	19.67	19.89	19.83	21.8	0			
15	QPSK	36	20	20.00	19.82	19.86					
15	QPSK	36	40	19.76	19.88	19.83					
15	16QAM	1	0	19.86	20.00	19.82	21.8	0			
15	16QAM	1	40	19.80	19.85	19.80					
15	16QAM	1	80	19.69	19.80	19.88					
15	16QAM	36	0	20.00	20.04	19.87	21.8	0			
15	16QAM	36	20	19.87	19.87	19.85					
15	16QAM	36	40	19.80	19.89	19.89					
15	16QAM	75	0	19.69	19.77	19.86	21.8	0			
15	16QAM	1	0	19.86	19.85	19.86					
15	16QAM	1	40	19.87	19.78	19.78					
15	16QAM	36	0	19.82	19.85	19.83	20	1.6			
15	16QAM	36	20	19.82	19.85	19.83					
15	16QAM	36	40	19.81	19.78	19.74					
15	16QAM	75	0	19.74	19.83	19.79	21.8	0			
15	16QAM	1	0	19.84	19.86	19.78					
15	16QAM	1	40	19.75	19.79	19.78					
15	16QAM	36	0	19.80	19.80	19.80	20	1.6			
15	16QAM	36	20	19.71	19.81	19.75					
15	16QAM	36	40	19.64	19.82	19.77					
15	256QAM	1	0	19.84	19.86	19.85	20	1.6			
15	256QAM	1	40	19.75	19.79	19.78					
15	256QAM	1	80	19.70	19.68	19.61					
15	256QAM	36	0	19.80	19.80	19.80	20	1.6			
15	256QAM	36	20	19.71	19.81	19.75					
15	256QAM	36	40	19.64	19.82	19.77					
15	256QAM	75	0	19.77	19.81	19.81	20	1.6			
Channel				2355	2355	2355.5					
Frequency (MHz)				2355	2355	2355.5	Time-to-Acquire (s)	APR (dB)			
5	QPSK	1	0	19.94	20.27	19.85	21.8	0			
5	QPSK	1	40	19.81	20.08	19.88					
5	QPSK	1	80	19.69	19.83	19.81					
5	QPSK	25	0	19.62	19.87	19.85	21.8	0			
5	QPSK	25	12	19.87	19.86	19.86					
5	QPSK	25	25	19.86	19.86	19.83					
5	16QAM	1	0	19.80	20.13	19.86	21.8	0			
5	16QAM	1	40	19.81	20.08	19.82					
5	16QAM	1	80	19.69	20.12	19.84					
5	16QAM	50	0	19.83	20.05	19.89	21.8	0			
5	16QAM	50	20	19.89	19.83	20.04					
5	16QAM	50	40	19.82	19.84	19.83					
5	16QAM	1	0	19.81	19.85	19.86	21.8	0			
5	16QAM	1	40	19.78	19.79	19.78					
5	16QAM	25	0	19.86	19.86	19.86					
5	16QAM	25	12	19.85	19.86	19.86	21.8	0			
5	16QAM	25	25	19.85	19.83	19.83					
5	16QAM	50	0	19.83	20.05	19.84					
5	16QAM	50	20	19.79	19.79	19.78	21.8	0			
5	16QAM	50	40	19.78	19.78	19.78					
5	16QAM	1	0	19.86	19.86	19.86					
5	16QAM	1	40	19.81	19.82	19.82	20	1.6			
5	16QAM	50	0	19.86	20.06	19.79					
5	256QAM	1	0	19.86	19.86	19.86					
5	256QAM	1	40	19.75	19.75	19.75	20	1.6			
5	256QAM	1	80	19.71	19.84	19.80					
5	256QAM	25	0	19.82	19.84	19.80					
5	256QAM	25	12	19.76	19.89	19.77	20	1.6			
5	256QAM	25	25	19.69	19.82	19.79					
5	256QAM	50	0	19.77	19.78	19.77					
5	256QAM	12	0	19.78	19.81	19.84	20	1.6			
Channel				2355	2355	2355.5					
Frequency (MHz)				2355	2355	2355.5	Time-to-Acquire (s)	APR (dB)			
5	QPSK	1	0	19.86	20.15	19.84	21.8	0			
5	QPSK	1	40	19.83	20.04	19.88					
5	QPSK	1	80	19.65	19.84	19.89					
5	QPSK	12	0	19.89	20.06	20.01	21.8	0			
5	QPSK	12	7	19.88	19.87	19.84					
5	QPSK	12	15	19.89	20.03	19.87					
5	16QAM	1	0	19.78	19.89	19.73	21.8	0			
5	16QAM	1	40	19.82	20.11	19.86					
5	16QAM	1	80	19.79	20.06	19.79					
5	16QAM	1	40	19.8	20.11	20.03	21.8	0			
5	16QAM	12	0	19.83	20.04	19.84					
5	16QAM	12	7	19.86	19.96	19.85					
5	16QAM	12	15	19.89	20.03	19.87	21.8	0			
5	16QAM	25	0	19.83	20.05	19.89					
5	16QAM	25	12	19.76	19.89	19.83					
5	16QAM	25	25	19.69	19.82	19.79	21.8	0			
5	16QAM	50	0	19.77	19.78	19.77					
5	16QAM	12	0	19.78	19.81	19.84					
5	256QAM	1	0	19.78	19.88	19.84	20	1.6			
5	256QAM	1	40	19.67	19.72	19.72					
5	256QAM	1	80	19.67	19.72	19.74					
5	256QAM	12	0	19.75	19.86	19.80	20	1.6			
5	256QAM	12	7	19.76	19.87	19.79					
5	256QAM	12	15	19.78	19.81	19.81					
5	256QAM	25	0	19.82	19.80	19.75	20	1.6			
5	256QAM	25	12	19.75	19.90	19.78					
5	256QAM	25	25	19.67	19.80	19.75					

Band 2 Ant1 Simultaneous														
SR (MHz)	Modulation	RB Size	RB Offset	Power Level Ch. 1 (dBm)	Power Level Ch. 2 (dBm)	Power Level Ch. 3 (dBm)	Turn-on Time (ms)	APRS (dB)						
Channel														
				1500.5	1500.5	1500.5	Turn-on Time (ms)	APRS (dB)						
20	QPSK	1	0	18.00	18.00	17.98	10.1	0						
20	QPSK	1	49	18.03	17.92	18.00								
20	QPSK	1	99	17.93	17.94	17.94								
20	QPSK	50	0	18.00	18.00	17.98	10.1	0						
20	QPSK	50	24	18.00	17.92	17.94								
20	QPSK	50	50	17.89	17.87	18.01								
20	16QAM	1	0	17.98	17.93	17.93	10.1	0						
20	16QAM	1	49	17.97	18.04	17.91								
20	16QAM	1	99	17.92	18.01	17.99								
20	16QAM	50	0	17.82	17.81	17.87	10.1	0						
20	16QAM	50	24	17.86	17.82	17.85								
20	16QAM	50	50	18.00	17.99	18.00								
20	256QAM	1	0	18.03	18.00	17.97	10.1	0						
20	256QAM	1	49	18.03	18.02	17.98								
20	256QAM	1	99	17.93	17.94	17.94								
20	256QAM	50	0	18.00	17.91	17.92	10.1	0						
20	256QAM	50	24	17.91	17.87	17.77								
20	256QAM	50	50	17.94	17.92	17.94								
20	256QAM	100	0	17.81	17.83	17.86	Turn-on Time (ms) <th>APRS (dB)</th> <th colspan="3"></th>	APRS (dB)						
				1500.5	1500.5	1500.5	Turn-on Time (ms)	APRS (dB)						
15	QPSK	1	0	17.88	18.00	17.92	10.1	0						
15	QPSK	1	37	17.87	17.84	17.83								
15	QPSK	1	74	17.88	17.88	17.88								
15	QPSK	36	0	17.88	18.02	17.94	10.1	0						
15	QPSK	36	20	17.88	17.82	17.84								
15	QPSK	36	50	17.74	17.78	17.82								
15	16QAM	1	0	17.72	17.86	17.82	10.1	0						
15	16QAM	1	37	17.86	17.86	17.86								
15	16QAM	1	74	17.77	17.83	17.81								
15	16QAM	36	0	17.80	17.83	17.80	10.1	0						
15	16QAM	36	20	17.76	17.76	17.86								
15	16QAM	36	50	17.95	17.82	17.82								
15	16QAM	75	0	17.74	17.87	17.85	10.1	0						
15	16QAM	1	0	17.86	17.75	17.85								
15	16QAM	1	37	17.80	17.75	17.85								
15	16QAM	1	74	17.77	17.81	17.81	10.1	0						
15	16QAM	36	0	17.86	17.86	17.86								
15	16QAM	36	20	17.86	17.86	17.85								
15	16QAM	36	50	17.86	17.86	17.85	10.1	0						
15	16QAM	75	0	17.78	17.87	17.85								
15	256QAM	1	0	18.01	17.86	17.86	10.1	0						
15	256QAM	1	37	17.98	17.85	17.88	10.1	0						
15	256QAM	1	74	17.81	17.77	17.78								
15	256QAM	36	0	17.88	17.71	17.77								
15	256QAM	36	20	17.88	17.80	17.83	10.1	0						
15	256QAM	36	50	17.85	17.88	17.88								
15	256QAM	36	75	17.85	17.88	17.88								
15	256QAM	75	0	17.78	17.82	17.73	Turn-on Time (ms) <th>APRS (dB)</th> <th colspan="3"></th>	APRS (dB)						
Channel														
				1500.5	1500.5	1500.5	Turn-on Time (ms)	APRS (dB)						
10	QPSK	1	0	17.88	17.88	17.88	10.1	0						
10	QPSK	1	25	17.88	18.00	17.92								
10	QPSK	1	49	17.84	17.84	17.84								
10	QPSK	25	0	18.01	17.94	17.86	10.1	0						
10	QPSK	25	12	17.92	17.82	17.88								
10	QPSK	25	25	17.85	17.85	17.88								
10	16QAM	1	0	17.78	17.82	17.87	10.1	0						
10	16QAM	1	25	17.76	18.00	17.84								
10	16QAM	1	49	17.88	17.86	17.84								
10	16QAM	25	0	17.88	17.88	17.83	10.1	0						
10	16QAM	25	12	17.88	17.88	17.88								
10	16QAM	25	25	17.86	17.82	17.87								
10	16QAM	50	0	17.73	17.78	17.87	10.1	0						
10	16QAM	1	0	17.81	17.77	17.81								
10	16QAM	1	25	17.87	17.75	17.85								
10	16QAM	1	49	17.77	17.86	18.00	10.1	0						
10	16QAM	25	0	17.88	17.81	17.82								
10	16QAM	25	12	17.71	17.81	17.82								
10	16QAM	25	25	17.76	17.86	17.86	10.1	0						
10	16QAM	50	0	17.88	17.88	17.75								
10	256QAM	1	0	18.00	17.86	17.86	10.1	0						
10	256QAM	1	25	17.95	17.88	17.75	10.1	0						
10	256QAM	1	49	17.88	17.82	17.75								
10	256QAM	25	0	17.88	17.74	17.88								
10	256QAM	25	12	17.88	17.74	17.87	10.1	0						
10	256QAM	25	25	17.85	17.74	17.87								
10	256QAM	50	0	17.73	17.75	17.76	Turn-on Time (ms) <th>APRS (dB)</th> <th colspan="3"></th>	APRS (dB)						
Channel														
				1500.5	1500.5	1500.5	Turn-on Time (ms)	APRS (dB)						
5	QPSK	1	0	17.87	17.87	17.88	10.1	0						
5	QPSK	1	12	17.86	17.86	17.86								
5	QPSK	1	24	17.87	17.80	17.82								
5	QPSK	12	0	18.03	18.00	17.88	10.1	0						
5	QPSK	12	7	17.87	17.76	17.71								
5	QPSK	12	13	17.75	17.82	17.86	10.1	0						
5	QPSK	25	0	17.84	17.78	17.88								
5	16QAM	1	0	17.82	17.81	17.87	10.1	0						
5	16QAM	1	12	17.83	17.88	17.88								
5	16QAM	1	24	17.77	17.87	17.84								
5	16QAM	12	0	17.80	17.79	17.82								
5	16QAM	12	7	17.80	17.75	17.87	10.1	0						
5	16QAM	12	13	17.82	17.86	17.87								
5	16QAM	25	0	17.81	17.75	17.83								
5	256QAM	1	0	18.00	17.86	17.86	10.1	0						
5	256QAM	1	12	17.84	17.82	17.87	10.1	0						
5	256QAM	1	24	17.77	17.87	17.84								
5	256QAM	12	0	17.80	17.79	17.82								
5	256QAM	12	7	17.80	17.75	17.87	10.1	0						
5	256QAM	12	13	17.82	17.86	17.87								
5	256QAM	25	0	17.81	17.75	17.83								
5	256QAM	12	7	17.82	17.75	17.87	10.1	0						
5	256QAM	12	13	17.82	17.75	17.87								
5	256QAM	25	0	17.82	17.74	17.88								
5	256QAM	25	12	17.82	17.74	17.87	10.1	0						
5	256QAM	25	25	17.85	17.74	17.87								
5	256QAM	50	0	17.73	17.75	17.76	Turn-on Time (ms) <th>APRS (dB)</th> <th colspan="3"></th>	APRS (dB)						
Channel														
				1500.5	1500.5	1500.5	Turn-on Time (ms)	APRS (dB)						
3	QPSK	1	0	17.87	17.87	17.88	10.1	0						
3	QPSK	1	8	18.03	18.00	17.92								
3	QPSK	1	16	17.82	17.87	17.87								
3	QPSK	8	0	18.03	18.00	17.88	10.1	0						
3	QPSK	8	7	17.87	17.76	17.71								
3	QPSK	8	14	17.82	17.86	17.86								
3	16QAM	1	0	17.74	17.82	17.83	10.1	0						
3	16QAM	1	8	17.76	18.00	17.84								
3	16QAM	1	16	17.86	17.78	17.84								
3	16QAM	8	0	17.77	17.88	17.88	10.1	0						
3	16QAM	8	7	17.77	17.87	17.87								
3	16QAM	8	14	17.84	17.88	17.88								
3	16QAM	8	4	17.76	17.86	17.86	10.1	0						
3	16QAM	8	11	17.80	17.86	17.86								
3	16QAM	8	18	17.82	17.81	17.83								
3	16QAM	16	0	17.83	17.83	17.83	10.1	0						
3	16QAM	16	8	17.85	17.88	17.88								
3	16QAM	16	16	17.86	17.86	17.87								
3	256QAM	1	0	18.00	17.86	17.86	10.1	0						
3	256QAM	1	8	17.90	17.80	17.87								
3	256QAM	1	16	17.80	17.80	17.80								
3	256QAM	8	0	17.88	17.81	17.84	10.1	0						
3	256QAM	8	8	17.86	17.74	17.82								
3	256QAM	8	16	17.86	17.74	17.82								
3	256QAM	16	0	17.88	17.78	17.88	10.1	0						
3	256QAM	16	8	17.86	17.74	17.82								
3	256QAM	16	16	17.86	17.74	17.82								
3	256QAM	32	0	17.73	17.76	17.76	Turn-on Time (ms) <th>APRS (dB)</th> <th colspan="3"></th>	APRS (dB)						
Channel														
				1500.5	1500.5	1500.5	Turn-on Time (ms)	APRS (dB)						
1.4	QPSK	1	0	17.87	17.87	17.87	10.1	0						
1.4	QPSK	1	3	17.83	17.87	17.87								
1.4	QPSK	1	6	17.82	17.84	17.84								
1.4	QPSK	3	0	18.03	18.00	17.88	10.1	0						
1.4	QPSK	3	3	17.82	17.81	17.81								
1.4	QPSK	3	6	17.71	17.82	17.86								
1.4	16QAM	1	0	17.76	17.87	17.83	10.1	0						
1.4	16QAM	1	3	17.76	18.00	17.84								
1.4	16QAM	1	6	17.79	17.88	17.83								
1.4	16QAM	3	0	17.79	17.74	17.78	10.1	0						
1.4	16QAM	3	3	17.81	17.88	17.88								
1.4	16QAM	3	6	17.80	17.86	17.86								
1.4	16QAM	1	0	17.80	17.82	17.83	10.1	0						
1.4	16QAM	1	3	17.80	17.86	17.86								
1.4	16QAM	1	6	17.82	17.82	17.82								
1.4	16QAM	3	0	17.86	17.86	17.76	10.1	0						
1.4	16QAM	3	3	17.81	17.87	17.87								
1.4	16QAM	3	6	17.85	17.86	17.76								
1.4	256QAM	1	0	17.88	17.80	17.80	10.1	0						
1.4	256QAM	1	3	18.00	18.00	17.88								
1.4	256QAM	1	6	17.81	17.88	17.88								
1.4	256QAM	3	0	17.81	17.79	17.84	10.1	0						
1.4	256QAM	3	3	17.82	17.80	17.80								
1.4	256QAM	3	6	17.85	17.86	17.76								
1.														

Band 7 Ant1 Simultaneous												
RF B/W	Modulation	RF Size	RF Offset	Power (mW)	Power (dBm)	Power (dBm)	Time-to- Acq. (ms)	MFR (MHz)				
Channel												
Frequency (MHz)				2310	2330	2350						
20	QPSK	1	0	18.34	18.33	18.29	20	0				
20	QPSK	1	40	18.29	18.33	18.37						
20	QPSK	1	80	18.26	18.29	18.45						
20	QPSK	50	0	18.32	18.44	18.42	20	0				
20	QPSK	50	20	18.34	18.27	18.41						
20	QPSK	50	40	18.35	18.28	18.20						
20	QPSK	100	0	18.16	18.36	18.36	20	0				
20	16QAM	1	0	18.34	18.29	18.34						
20	16QAM	1	40	18.21	18.31	18.16						
20	16QAM	1	80	18.21	18.29	18.28	20	0				
20	16QAM	50	0	18.29	18.37	18.25						
20	16QAM	50	20	18.17	18.36	18.20						
20	16QAM	50	40	18.25	18.32	18.22	20	0				
20	16QAM	100	0	18.22	18.22	18.22						
20	16QAM	1	0	18.26	18.30	18.36						
20	16QAM	1	40	18.25	18.23	18.37	20	0				
20	16QAM	1	80	18.15	18.26	18.32						
20	16QAM	50	0	18.29	18.27	18.30						
20	16QAM	50	20	18.18	18.27	18.37	20	0				
20	16QAM	50	40	18.25	18.27	18.32						
20	16QAM	100	0	18.22	18.22	18.22						
20	25QAM	1	0	18.27	18.29	18.27	20	0				
20	25QAM	1	40	18.17	18.26	18.34						
20	25QAM	1	80	18.21	18.34	18.16						
20	25QAM	50	0	18.16	18.32	18.34	20	0				
20	25QAM	50	20	18.26	18.20	18.38						
20	25QAM	50	40	18.28	18.32	18.16						
20	25QAM	100	0	18.23	18.36	18.27	20	0				
Channel												
Frequency (MHz)				2357.5	2355	2352.5	Time-to- Acq. (ms)	MFR (MHz)				
15	QPSK	1	0	18.48	18.49	18.34	20	0				
15	QPSK	1	40	18.47	18.47	18.35						
15	QPSK	1	74	18.43	18.39	18.44						
15	QPSK	36	0	18.39	18.34	18.44	20	0				
15	QPSK	36	20	18.33	18.49	18.49						
15	QPSK	36	40	18.46	18.44	18.28						
15	QPSK	72	0	18.18	18.36	18.46	20	0				
15	16QAM	1	0	18.43	18.39	18.46						
15	16QAM	1	40	18.40	18.36	18.35						
15	16QAM	1	74	18.36	18.42	18.48	20	0				
15	16QAM	36	0	18.29	18.49	18.43						
15	16QAM	36	20	18.38	18.47	18.35						
15	16QAM	36	40	18.27	18.47	18.35	20	0				
15	16QAM	72	0	18.29	18.31	18.36						
15	16QAM	1	0	18.44	18.44	18.36						
15	16QAM	1	40	18.29	18.42	18.42	20	0				
15	16QAM	1	74	18.23	18.46	18.33						
15	16QAM	36	0	18.25	18.36	18.35						
15	16QAM	36	0	18.25	18.36	18.35	20	0				
15	16QAM	36	20	18.27	18.41	18.42						
15	16QAM	72	0	18.15	18.31	18.36						
15	25QAM	1	0	18.41	18.41	18.35	20	0				
15	25QAM	1	40	18.26	18.39	18.31						
15	25QAM	1	74	18.40	18.44	18.44						
15	25QAM	36	0	18.47	18.37	18.42	20	0				
15	25QAM	36	20	18.42	18.24	18.46						
15	25QAM	36	40	18.31	18.39	18.27						
15	25QAM	72	0	18.34	18.44	18.24	20	0				
Channel												
Frequency (MHz)				2365	2355	2365	Time-to- Acq. (ms)	MFR (MHz)				
5	QPSK	1	0	18.42	18.44	18.41	20	0				
5	QPSK	1	20	18.36	18.45	18.46						
5	QPSK	1	40	18.36	18.44	18.35						
5	QPSK	25	0	18.42	18.44	18.49	20	0				
5	QPSK	25	12	18.38	18.33	18.41						
5	QPSK	25	25	18.43	18.42	18.26						
5	QPSK	50	0	18.24	18.44	18.32	20	0				
5	16QAM	1	0	18.43	18.35	18.44						
5	16QAM	1	40	18.45	18.31	18.48						
5	16QAM	25	0	18.27	18.45	18.31	20	0				
5	16QAM	25	12	18.31	18.43	18.31						
5	16QAM	25	25	18.29	18.47	18.45						
5	16QAM	50	0	18.21	18.25	18.41	20	0				
5	16QAM	1	0	18.41	18.44	18.34						
5	16QAM	1	20	18.37	18.32	18.47						
5	16QAM	1	40	18.42	18.44	18.48	20	0				
5	16QAM	25	0	18.47	18.43	18.33						
5	16QAM	25	0	18.25	18.33	18.41						
5	16QAM	25	20	18.23	18.36	18.25	20	0				
5	16QAM	50	0	18.25	18.44	18.45						
5	25QAM	1	0	18.46	18.34	18.37	20	0				
5	25QAM	1	20	18.20	18.44	18.46						
5	25QAM	1	40	18.26	18.49	18.49						
5	25QAM	25	0	18.31	18.36	18.30	20	0				
5	25QAM	25	12	18.26	18.30	18.47						
5	25QAM	25	20	18.34	18.41	18.22						
5	25QAM	50	0	18.38	18.40	18.36						
Channel												
Frequency (MHz)				2362.5	2355	2362.5	Time-to- Acq. (ms)	MFR (MHz)				
5	QPSK	1	0	18.36	18.37	18.42	20	0				
5	QPSK	1	12	18.34	18.44	18.38						
5	QPSK	1	24	18.31	18.38	18.48						
5	QPSK	12	0	18.26	18.46	18.32	20	0				
5	QPSK	12	7	18.38	18.33	18.44						
5	QPSK	12	15	18.41	18.34	18.30						
5	QPSK	25	0	18.26	18.38	18.32	20	0				
5	QPSK	25	12	18.39	18.34	18.41						
5	QPSK	25	25	18.42	18.42	18.12						
5	16QAM	1	12	18.27	18.42	18.12	20	0				
5	16QAM	1	24	18.45	18.24	18.29						
5	16QAM	12	0	18.31	18.44	18.29						
5	16QAM	12	7	18.37	18.40	18.25	20	0				
5	16QAM	12	15	18.44	18.34	18.44						
5	16QAM	25	0	18.34	18.36	18.27						
5	16QAM	12	12	18.44	18.34	18.44	20	0				
5	16QAM	12	24	18.38	18.34	18.26						
5	16QAM	25	0	18.42	18.42	18.48						
5	16QAM	1	12	18.38	18.25	18.43	20	0				
5	16QAM	1	24	18.32	18.43	18.48						
5	16QAM	12	0	18.39	18.42	18.47						
5	16QAM	12	7	18.26	18.33	18.47	20	0				
5	16QAM	12	15	18.32	18.32	18.30						
5	16QAM	25	0	18.36	18.40	18.38						
5	25QAM	1	0	18.44	18.44	18.37	20	0				
5	25QAM	1	12	18.27	18.41	18.47						
5	25QAM	12	0	18.17	18.41	18.21						
5	25QAM	12	7	18.37	18.21	18.21	20	0				
5	25QAM	12	15	18.32	18.31	18.27						
5	25QAM	25	0	18.39	18.39	18.39						

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

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

Uplink CA Power

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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



Downlink CA Power

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



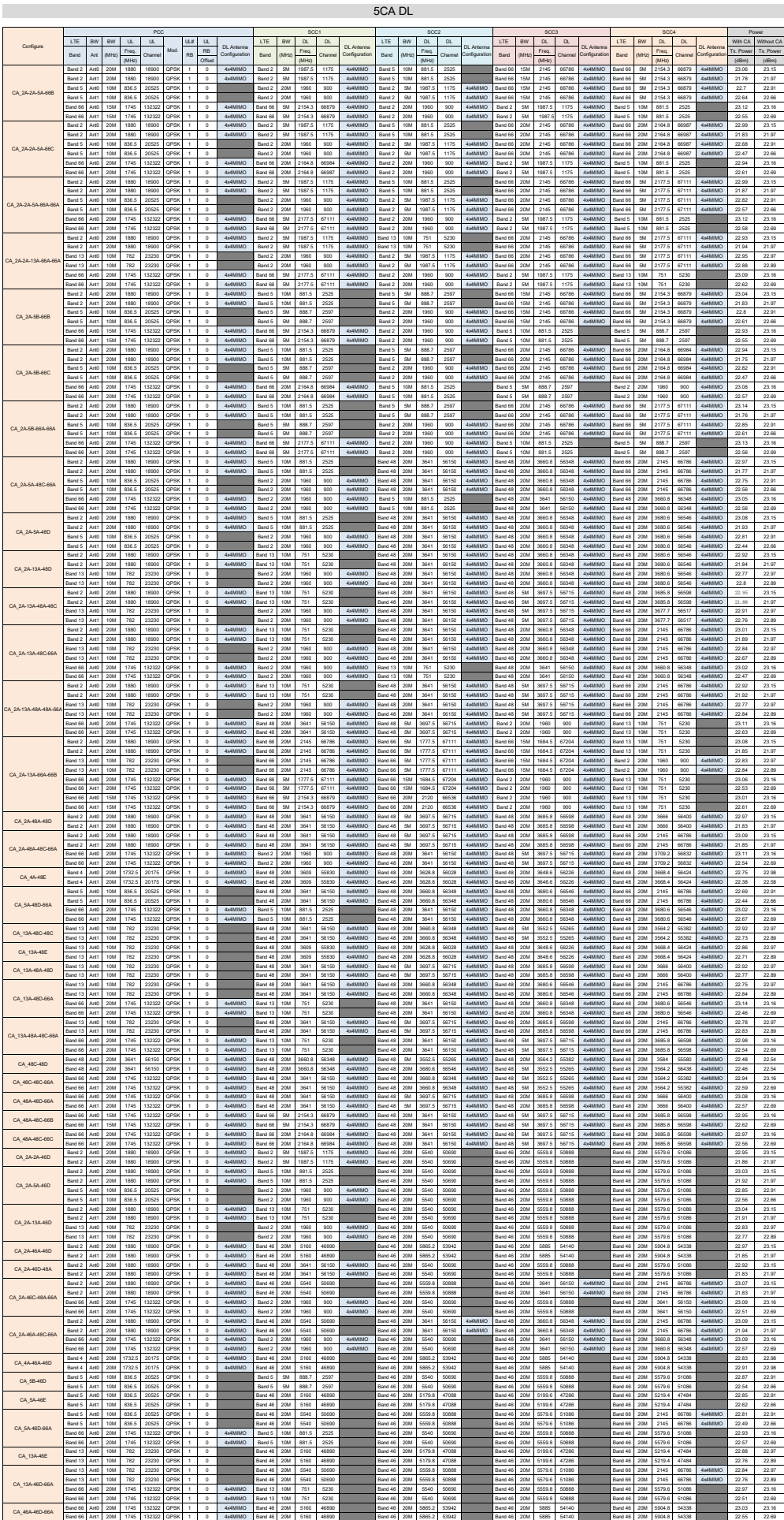
3CA DL

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



4CA DL

Configure	PCC										SCC1				SCC2				SCC3				Power			
	LTE	BW	BW	UL	UL	Mod.	UL#	UL Offset	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA Tx Power (dBm)	Without CA Tx Power (dBm)
	Band	Ant	(MHz)	Freq. (MHz)	Channel					Band	(MHz)	Freq. (MHz)	Channel		Band	(MHz)	Freq. (MHz)	Channel		Band	(MHz)	Freq. (MHz)	Channel			
CA_2A-2A-4A-4A	Band 2	Ant0	20M	1880	1890Q	QPSK	1	0	4x4MIMO	Band 2	9M	1987.5	1175	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	9M	2152.5	2375	4x4MIMO	23.02	23.15
	Band 2	Ant1	20M	1880	1890Q	QPSK	1	0	4x4MIMO	Band 2	9M	1987.5	1175	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	9M	2152.5	2375	4x4MIMO	21.8	21.97
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	9M	2152.5	2375	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	9M	1987.5	1175	4x4MIMO	22.76	22.98
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	9M	2152.5	2375	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	9M	1987.5	1175	4x4MIMO	22.46	22.58
CA_2A-2A-4A-5A	Band 2	Ant0	20M	1880	1890Q	QPSK	1	0	4x4MIMO	Band 2	9M	1987.5	1175	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 5	10M	881.5	2525		22.98	23.15
	Band 2	Ant1	20M	1880	1890Q	QPSK	1	0	4x4MIMO	Band 2	9M	1987.5	1175	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 5	10M	881.5	2525		21.83	21.97
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	9M	1987.5	1175	4x4MIMO	Band 5	10M	881.5	2525		22.78	22.98
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	9M	1987.5	1175	4x4MIMO	Band 5	10M	881.5	2525		22.46	22.58
CA_2A-2A-5B	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 2	9M	1987.5	1175	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.83	22.91
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 2	9M	1987.5	1175	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.42	22.66
	Band 2	Ant0	20M	1880	1890Q	QPSK	1	0	4x4MIMO	Band 2	9M	1987.5	1175	4x4MIMO	Band 5	10M	881.5	2525		Band 5	9M	888.7	2597		23.12	23.15
	Band 2	Ant1	20M	1880	1890Q	QPSK	1	0	4x4MIMO	Band 2	9M	1987.5	1175	4x4MIMO	Band 5	10M	881.5	2525		Band 5	9M	888.7	2597		21.74	21.97
CA_2A-4A-4A-5A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 5	9M	888.7	2597		Band 2	20M	1960	900	4x4MIMO	Band 2	9M	1987.5	1175	4x4MIMO	22.88	22.91
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 5	9M	888.7	2597		Band 2	20M	1960	900	4x4MIMO	Band 2	9M	1987.5	1175	4x4MIMO	22.59	22.66
	Band 2	Ant0	20M	1880	1890Q	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	9M	2152.5	2375	4x4MIMO	Band 5	10M	881.5	2525		23.02	23.15
	Band 2	Ant1	20M	1880	1890Q	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	9M	2152.5	2375	4x4MIMO	Band 5	10M	881.5	2525		21.78	21.97
CA_2A-4A-5B	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	9M	2152.5	2375	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 5	10M	881.5	2525		22.85	22.98
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	9M	2152.5	2375	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 5	10M	881.5	2525		22.36	22.58
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 5	9M	888.7	2597		Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.49	22.66
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 5	9M	888.7	2597		Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.26	22.58
CA_2A-5A-4B-6A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 5	9M	881.5	2525		Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3650.8	56348	4x4MIMO	22.99	23.15
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 5	9M	881.5	2525		Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3650.8	56348	4x4MIMO	22.84	22.91
	Band 66	Ant0	20M	1745	13232Q	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	21.86	21.97
	Band 66	Ant1	20M	1745	13232Q	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	22.88	22.91
CA_2A-13A-66C	Band 66	Ant0	20M	1745	13232Q	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	23.03	23.16
	Band 66	Ant1	20M	1745	13232Q	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	22.86	22.89
	Band 13	Ant0	10M	752	23230	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	21.85	21.97
	Band 13	Ant1	10M	752	23230	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	22.85	22.89
CA_2A-66A-66A-66A	Band 66	Ant0	20M	1745	13232Q	QPSK	1	0	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	23.05	23.15
	Band 66	Ant1	20M	1745	13232Q	QPSK	1	0	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	22.86	22.89
	Band 66	Ant0	20M	1880	1890Q	QPSK	1	0	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	22.98	23.15
	Band 66	Ant1	20M	1880	1890Q	QPSK	1	0	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	22.56	22.69
CA_4A-4A-5B	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	9M	2152.5	2375	4x4MIMO	Band 5	10M	881.5	2525		Band 5	9M	888.7	2597		22.88	22.98
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	9M	2152.5	2375	4x4MIMO	Band 5	10M	881.5	2525		Band 5	9M	888.7	2597		22.36	22.58
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 5	9M	888.7	2597		Band 4	20M	2132.5	2175	4x4MIMO	Band 4	9M	2152.5	2375	4x4MIMO	22.79	22.91
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 5	9M	888.7	2597		Band 4	20M	2132.5	2175	4x4MIMO	Band 4	9M	2152.5	2375	4x4MIMO	22.54	22.66
CA_5A-5A-66B	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3650.8	56348	4x4MIMO	Band 48	20M	3650.6	56045	4x4MIMO	22.62	22.96
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3650.8	56348	4x4MIMO	Band 48	20M	3650.6	56045	4x4MIMO	22.36	22.56
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 5	9M	891.5	2625		Band 66	20M	2145	66786	4x4MIMO	Band 66	20M	2154.3	66879	4x4MIMO	22.83	22.91
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 5	9M	891.5	2625		Band 66	20M	2145	66786	4x4MIMO	Band 66	20M	2154.3	66879	4x4MIMO	22.52	22.66
CA_5A-5A-66C	Band 66	Ant0	20M	1745	13232Q	QPSK	1	0	4x4MIMO	Band 66	20M	2154.3	66879	4x4MIMO	Band 5	10M	881.5	2525		Band 5	9M	891.5	2625		22.98	23.16
	Band 66	Ant1	20M	1745	13232Q	QPSK	1	0	4x4MIMO	Band 66	20M	2154.3	66879	4x4MIMO	Band 5	10M	881.5	2525		Band 5	9M	891.5	2625		22.56	22.69
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 5	9M	891.5	2625		Band 66	20M	2145	66786	4x4MIMO	Band 66	20M	2148.8	66984	4x4MIMO	22.8	22.91
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 5	9M	891.5	2625		Band 66	20M	2145	66786	4x4MIMO	Band 66	20M	2148.8	66984	4x4MIMO	22.52	22.66
CA_5A-5A-66A-66A	Band 66	Ant0	20M	1745	13232Q	QPSK	1	0	4x4MIMO	Band 66	20M	2154.3	66879	4x4MIMO	Band 5	10M	881.5	2525		Band 5	9M	891.5	2625		23.07	23.16
	Band 66	Ant1	20M	1745	13232Q	QPSK	1	0	4x4MIMO	Band 66	20M	2154.3	66879	4x4MIMO	Band 5	10M	881.5	2525</								





6CA DL

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



7CA DL

Configure	PCC										SCC1				SCC2				SCC3				SCC4				SCC5				Power										
	LTE	BW	BW	UL	UL	Mod.	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA					
	Band	Ant	MHz	Freq. (MHz)	Channel		RB	RB Offset		Band	MHz	Freq. (MHz)	Channel		Band	MHz	Freq. (MHz)	Channel		Band	MHz	Freq. (MHz)	Channel		Band	MHz	Freq. (MHz)	Channel		Band	MHz	Freq. (MHz)	Channel				Band	MHz	Freq. (MHz)	Channel	Band
CA_2A-48C	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3600.8	56348	4x4MIMO	Band 48	20M	5160	40890		Band 46	20M	5179.8	47098		Band 46	20M	5199.6	47296		Band 46	20M	5219.4	47494	23.07	23.15	
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3600.8	56348	4x4MIMO	Band 46	20M	5160	40890		Band 46	20M	5179.8	47098		Band 46	20M	5199.6	47296		Band 46	20M	5219.4	47494	21.83	21.97	
	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 48	20M	5160	40890		Band 46	20M	5179.8	47098		Band 46	20M	5199.6	47296		Band 46	20M	5219.4	47494	23.07	23.15	
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 46	20M	5160	40890		Band 46	20M	5179.8	47098		Band 46	20M	5199.6	47296		Band 46	20M	5219.4	47494	21.83	21.97	
CA_2A-48E-48A-66A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	5160	40890		Band 46	20M	5179.8	47098		Band 46	20M	5199.6	47296		Band 46	20M	5219.4	47494	23.06	23.16	
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	5160	40890		Band 46	20M	5179.8	47098		Band 46	20M	5199.6	47296		Band 46	20M	5219.4	47494	22.57	22.69	
	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 48	20M	5160	40890		Band 46	20M	5179.8	47098		Band 46	20M	5199.6	47296		Band 46	20M	5219.4	47494	22.85	23.15	
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 48	20M	5160	40890		Band 46	20M	5179.8	47098		Band 46	20M	5199.6	47296		Band 46	20M	5219.4	47494	21.91	21.97	
CA_2A-48C-66A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 48	20M	5160	40890		Band 46	20M	5179.8	47098		Band 46	20M	5199.6	47296		Band 46	20M	5219.4	47494	23.09	23.16	
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 48	20M	5160	40890		Band 46	20M	5179.8	47098		Band 46	20M	5199.6	47296		Band 46	20M	5219.4	47494	22.61	22.69	
	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3600.8	56348	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086	23.13	23.15	
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3600.8	56348	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086	21.89	21.97	
CA_2A-48C-48D-66A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3600.8	56348	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086	23.05	23.16	
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3600.8	56348	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086	22.57	22.69	
	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	5540	50690		Band 46	20M	5559.8	50888		Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56220	4x4MIMO	Band 48	20M	3668.4	56424	4x4MIMO	22.9	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	5540	50690		Band 46	20M	5559.8	50888		Band 48	20M	3641	56150	4x4MIMO	Band 46	20M	3600.8	56348	4x4MIMO	Band 48	20M	3620.6	56546	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	22.97	23.15
CA_2A-48C-48D-66A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3600.8	56348	4x4MIMO	Band 48	20M	3620.6	56546	4x4MIMO	23.03	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3600.8	56348	4x4MIMO	Band 48	20M	3620.6	56546	4x4MIMO	23.62	22.68
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56220	4x4MIMO	Band 48	20M	3668.4	56424	4x4MIMO	23.01	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56220	4x4MIMO	Band 48	20M	3668.4	56424	4x4MIMO	22.48	22.69



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

n2 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000			
Frequency (MHz)				1800	1800	1800			
20	Pi2 BPSK	1	1	22.15	22.24	22.17		24.0	0.0
20	Pi2 BPSK	1	53	22.27	22.33	22.26			
20	Pi2 BPSK	1	104	22.19	22.26	22.24			
20	Pi2 BPSK	50	0	22.18	22.33	22.25	24.0	0.0	
20	Pi2 BPSK	50	28	22.13	22.31	22.30	24.0	0.0	
20	Pi2 BPSK	50	56	22.19	22.26	22.07	24.0	0.0	
20	Pi2 BPSK	100	0	22.13	22.22	22.13		24.0	0.0
20	QPSK	1	1	22.53	22.55	22.38			
20	QPSK	1	53	22.16	22.19	22.06			
20	QPSK	1	104	22.25	22.32	22.20		24.0	0.0
20	QPSK	50	0	22.16	22.23	22.17	24.0		
20	QPSK	50	28	22.21	22.41	22.25	24.0	0.0	
20	QPSK	50	56	22.17	22.35	22.28	24.0	0.0	
20	QPSK	100	0	22.21	22.37	22.20		24.0	0.0
20	16QAM	1	1	22.40	22.47	22.41	24.0	0.0	
20	64QAM	1	1	21.37	21.48	21.31	22.5	1.5	
20	256QAM	1	1	19.23	19.26	19.23	20.5	3.5	
Channel				375000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1807.5	1880	1802.5			
15	QPSK	1	1	22.23	22.43	22.24	24.0	0.0	
Channel				375000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1805	1800	1805			
10	QPSK	1	1	22.42	22.41	22.17	24.0	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1802.5	1800	1807.5			
5	QPSK	1	1	22.25	22.35	22.18	24.0	0.0	

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

n66 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	Pi2 BPSK	1	1	22.30	22.33	22.24		24.0	0.0
40	Pi2 BPSK	1	108	22.16	22.34	22.19			
40	Pi2 BPSK	1	214	22.16	22.35	22.17			
40	Pi2 BPSK	108	0	22.09	22.28	22.26	24.0	0.0	
40	Pi2 BPSK	108	54	22.06	22.25	22.08	24.0	0.0	
40	Pi2 BPSK	108	108	22.16	22.27	22.17	24.0	0.0	
40	Pi2 BPSK	216	0	22.27	22.33	22.16		24.0	0.0
40	QPSK	1	1	22.45	22.63	22.58			
40	QPSK	1	108	22.40	22.53	22.36			
40	QPSK	1	214	22.41	22.49	22.49		24.0	0.0
40	QPSK	108	0	22.45	22.47	22.43	24.0		
40	QPSK	108	54	22.14	22.49	22.14	24.0	0.0	
40	QPSK	108	108	22.18	22.26	22.25	24.0	0.0	
40	QPSK	216	0	22.14	22.26	22.17		24.0	0.0
40	16QAM	1	1	22.50	22.51	22.50	24.0	0.0	
40	64QAM	1	1	21.63	21.64	21.58	22.5	1.5	
40	256QAM	1	1	19.26	19.30	19.17	20.5	3.5	
Channel				345000	349000	352000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	22.20	22.44	22.31	24.0	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	22.17	22.40	22.43	24.0	0.0	
Channel				343000	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	22.19	22.42	22.47	24.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	22.31	22.42	22.30	24.0	0.0	
Channel				342000	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	22.25	22.47	22.37	24.0	0.0	



n2 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				1600	1800	1900			
Frequency (MHz)				1700	1745	1760			
20	Pi2 BPSK	1	1	22.96	23.13	23.02			
20	Pi2 BPSK	1	53	22.77	23.06	22.89	24.0	0.0	
20	Pi2 BPSK	1	104	22.77	23.00	22.75			
20	Pi2 BPSK	50	0	22.83	22.83	22.79	24.0	0.0	
20	Pi2 BPSK	50	28	22.87	22.96	22.76	24.0	0.0	
20	Pi2 BPSK	50	56	22.71	22.92	22.77	24.0	0.0	
20	Pi2 BPSK	100	0	22.70	22.97	22.70			
20	QPSK	1	1	22.90	23.15	22.87			
20	QPSK	1	53	22.90	23.08	22.89	24.0	0.0	
20	QPSK	1	104	22.75	22.96	22.77			
20	QPSK	50	0	22.84	22.91	22.71	24.0	0.0	
20	QPSK	50	28	22.81	22.93	22.70	24.0	0.0	
20	QPSK	50	56	22.82	22.92	22.83	24.0	0.0	
20	QPSK	100	0	22.85	22.95	22.84	24.0	0.0	
20	16QAM	1	1	22.72	22.97	22.84	24.0	0.0	
20	64QAM	1	1	22.23	22.43	22.19	23.5	0.5	
20	256QAM	1	1	19.99	20.19	19.94	21.0	3.0	
Channel				1715.0	1740.0	1765.0	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1687.5	1680	1692.5			
15	QPSK	1	1	22.79	23.09	22.69	24.0	0.0	
Channel				375000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1465	1480	1495			
10	QPSK	1	1	22.72	22.99	22.77	24.0	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1671.5	1700	1707.5			
5	QPSK	1	1	22.74	23.00	22.85	24.0	0.0	

n5 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	Pi2 BPSK	1	1	22.35	22.36	22.34			
20	Pi2 BPSK	1	53	22.25	22.30	22.24	24.0	0.0	
20	Pi2 BPSK	1	104	22.09	22.24	22.14			
20	Pi2 BPSK	50	0	22.05	22.23	22.16	24.0	0.0	
20	Pi2 BPSK	50	28	22.31	22.34	22.28	24.0	0.0	
20	Pi2 BPSK	50	56	22.08	22.27	22.23	24.0	0.0	
20	Pi2 BPSK	100	0	22.28	22.32	22.31			
20	QPSK	1	1	22.52	22.55	22.47			
20	QPSK	1	53	22.24	22.33	22.23	24.0	0.0	
20	QPSK	1	104	22.26	22.31	22.31			
20	QPSK	50	0	22.09	22.22	22.05	24.0	0.0	
20	QPSK	50	28	22.31	22.33	22.17	24.0	0.0	
20	QPSK	50	56	22.20	22.22	22.12	24.0	0.0	
20	QPSK	100	0	22.13	22.29	22.15	24.0	0.0	
20	16QAM	1	1	22.42	22.37	22.42	24.0	0.0	
20	64QAM	1	1	21.70	21.73	21.58	22.5	1.5	
20	256QAM	1	1	19.24	19.43	19.23	20.5	3.5	
Channel				163300	167400	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.36	22.36	22.21	24.0	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				830	836.5	844			
10	QPSK	1	1	22.42	22.33	22.28	24.0	0.0	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				836.5	836.5	836.5			
5	QPSK	1	1	22.41	22.25	22.29	24.0	0.0	

n66 Ant1									
BW [MHz]	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	22.53	23.13	23.04			
40	Pi2 BPSK	1	108	23.02	23.07	22.91	24.0	0.0	
40	Pi2 BPSK	1	214	22.87	22.98	22.97			
40	Pi2 BPSK	108	0	22.97	23.05	22.94	24.0	0.0	
40	Pi2 BPSK	108	54	22.90	23.00	22.86	24.0	0.0	
40	Pi2 BPSK	108	108	23.03	23.10	23.08	24.0	0.0	
40	Pi2 BPSK	216	0	22.88	23.03	22.96			
40	QPSK	1	1	23.28	23.36	23.32			
40	QPSK	1	108	22.96	23.11	22.99	24.0	0.0	
40	QPSK	1	214	22.79	22.97	22.82			
40	QPSK	108	0	22.91	23.04	23.00	24.0	0.0	
40	QPSK	108	54	22.93	23.06	22.94	24.0	0.0	
40	QPSK	108	108	22.89	23.03	22.84	24.0	0.0	
40	QPSK	216	0	22.86	23.05	22.95			
40	16QAM	1	1	23.31	23.33	23.24	24.0	0.0	
40	64QAM	1	1	22.39	22.52	22.44	23.5	0.5	
40	256QAM	1	1	20.06	20.19	20.14	21.0	3.0	
Channel				343000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	23.15	23.16	23.15	24.0	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	23.02	23.20	23.08	24.0	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	23.03	23.22	23.14	24.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	23.06	23.08	23.17	24.0	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	22.99	23.15	23.18	24.0	0.0	

Par270 n77 Ant2_PC3							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 [Frac.]	Power Middle Ch. 1 [Frac.]	Power High Ch. 1 [Frac.]	Turn-up time (dBm)
Channel							
Frequency [MHz]							
100	PIC2 BPSK	1	1	23.11	23.17	23.08	
100	PIC2 BPSK	1	137	23.05	23.08	22.82	24.0
100	PIC2 BPSK	1	271	23.18	23.23	23.23	
100	PIC2 BPSK	135	0	22.91	22.91	22.82	24.0
100	PIC2 BPSK	135	138	22.86	22.82	22.88	24.0
100	PIC2 BPSK	270	0	22.78	22.92	22.82	
100	QPSK	1	1	23.25	23.25	23.05	
100	QPSK	1	137	23.01	23.12	23.06	24.0
100	QPSK	1	271	23.18	23.23	23.23	
100	QPSK	135	0	22.91	22.92	22.89	24.0
100	QPSK	135	138	22.86	22.82	22.89	24.0
100	QPSK	270	0	22.75	22.89	22.79	
100	16QAM	1	1	22.82	22.87	22.74	24.0
100	16QAM	1	1	22.80	22.38	22.27	23.0
100	16QAM	1	1	23.14	23.18	23.02	23.0
Channel							
Frequency [MHz]							
80	QPSK	1	1	23.22	23.16	22.95	24.0
Channel							
Frequency [MHz]							
80	QPSK	1	1	23.10	23.22	22.97	24.0
Channel							
Frequency [MHz]							
70	QPSK	1	1	22.99	23.11	22.85	24.0
Channel							
Frequency [MHz]							
60	QPSK	1	1	23.12	23.11	22.93	24.0
Channel							
Frequency [MHz]							
50	QPSK	1	1	23.02	23.15	23.08	24.0
Channel							
Frequency [MHz]							
40	QPSK	1	1	23.18	23.14	22.94	24.0
Channel							
Frequency [MHz]							
30	QPSK	1	1	23.15	23.16	22.88	24.0
Channel							
Frequency [MHz]							
20	QPSK	1	1	23.14	23.13	22.96	24.0

Par270 n77 Ant2_PC2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 [Frac.]	Power Middle Ch. 1 [Frac.]	Power High Ch. 1 [Frac.]	Turn-up time (dBm)
Channel							
Frequency [MHz]							
100	PIC2 BPSK	1	1	23.08	23.13	23.14	
100	PIC2 BPSK	1	137	23.01	23.13	23.11	27.0
100	PIC2 BPSK	1	271	23.01	23.13	23.02	
100	PIC2 BPSK	135	0	23.34	23.08	23.39	26.5
100	PIC2 BPSK	135	138	23.05	23.07	23.07	27.0
100	PIC2 BPSK	135	138	23.47	23.07	23.52	26.5
100	PIC2 BPSK	270	0	23.40	23.31	23.30	26.5
100	QPSK	1	1	23.02	23.11	23.11	
100	QPSK	1	137	23.11	23.12	23.09	27.0
100	QPSK	1	271	23.08	23.11	23.09	
100	QPSK	135	0	23.37	23.10	23.35	26.5
100	QPSK	135	138	23.01	23.05	23.01	27.0
100	QPSK	135	138	23.55	23.05	23.50	26.5
100	QPSK	270	0	23.05	23.05	23.00	26.5
100	16QAM	1	1	24.77	24.48	24.40	26.5
100	16QAM	1	1	23.83	23.50	23.75	25.0
100	16QAM	1	1	21.81	21.75	21.76	25.0
Channel							
Frequency [MHz]							
80	QPSK	1	1	23.05	23.10	23.11	27.0
Channel							
Frequency [MHz]							
80	QPSK	1	1	23.37	23.10	23.39	27.0
Channel							
Frequency [MHz]							
70	QPSK	1	1	23.08	23.05	23.10	27.0
Channel							
Frequency [MHz]							
60	QPSK	1	1	23.91	23.04	23.10	27.0
Channel							
Frequency [MHz]							
50	QPSK	1	1	23.01	23.15	23.01	27.0
Channel							
Frequency [MHz]							
40	QPSK	1	1	23.05	23.18	23.08	27.0
Channel							
Frequency [MHz]							
30	QPSK	1	1	23.04	23.09	23.10	27.0
Channel							
Frequency [MHz]							
20	QPSK	1	1	23.02	23.10	23.11	27.0

Par127Q n77_Ant_2_PC3							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 [Frac.]	Power Middle Ch. 1 [Frac.]	Power High Ch. 1 [Frac.]	Turn-up time (dBm)
Channel							
Frequency [MHz]							
100	PIC2 BPSK	1	1	23.13			
100	PIC2 BPSK	1	137	23.02			24.0
100	PIC2 BPSK	1	271	23.13			
100	PIC2 BPSK	135	0	22.89			24.0
100	PIC2 BPSK	135	138	22.74			
100	PIC2 BPSK	270	0	22.68			24.0
100	QPSK	1	1	23.11			
100	QPSK	1	137	22.99			24.0
100	QPSK	1	271	23.17			
100	QPSK	135	0	22.97			24.0
100	QPSK	135	138	22.82			
100	QPSK	135	138	22.62			24.0
100	QPSK	270	0	22.67			24.0
100	16QAM	1	1	22.86			24.0
100	16QAM	1	1	22.21			23.0
100	16QAM	1	1	20.12			23.0
Channel							
Frequency [MHz]							
90	QPSK	1	1	23.04	23.15	22.88	24.0
Channel							
Frequency [MHz]							
80	QPSK	1	1	23.17	23.18	22.99	24.0
Channel							
Frequency [MHz]							
70	QPSK	1	1	23.15	23.19	23.05	24.0
Channel							
Frequency [MHz]							
60	QPSK	1	1	23.16	23.13	22.88	24.0
Channel							
Frequency [MHz]							
50	QPSK	1	1	23.15	23.09	22.97	24.0
Channel							
Frequency [MHz]							
40	QPSK	1	1	23.05	23.04	22.94	24.0
Channel							
Frequency [MHz]							
30	QPSK	1	1	23.15	23.07	22.89	24.0
Channel							
Frequency [MHz]							
20	QPSK	1	1	23.04	23.11	22.96	24.0

Part27Q n77_Ant_2_PC2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 [Frac.]	Power Middle Ch. 1 [Frac.]	Power High Ch. 1 [Frac.]	Turn-up time (dBm)
Channel							
Frequency [MHz]							
100	PIC2 BPSK	1	1	23.01			
100	PIC2 BPSK	1	137	23.14			27.0
100	PIC2 BPSK	1	271	23.18			
100	PIC2 BPSK	135	0	23.50			26.5
100	PIC2 BPSK	135	138	23.03			26.5
100	PIC2 BPSK	135	138	23.43			26.5
100	PIC2 BPSK	270	0	23.36			26.5
100	QPSK	1	1	23.01			
100	QPSK	1	137	23.04			27.0
100	QPSK	1	271	23.01			
100	QPSK	135	0	23.52			26.5
100	QPSK	135	138	23.05			26.5
100	QPSK	135	138	24.05			26.5
100	QPSK	270	0	24.02			26.5
100	16QAM	1	1	24.79			26.5
100	16QAM	1	1	23.83			25.0
100	16QAM	1	1	21.84			25.0
Channel							
Frequency [MHz]							
90	QPSK	1	1	23.96	23.15	23.35	27.0
Channel							
Frequency [MHz]							
80	QPSK	1	1	23.96	23.18	23.02	27.0
Channel							
Frequency [MHz]							
70	QPSK	1	1	23.95	23.19	23.08	27.0
Channel							
Frequency [MHz]							
60	QPSK	1	1	23.90	23.14	23.00	27.0
Channel							
Frequency [MHz]							
50	QPSK	1	1	23.89	23.17	23.03	27.0
Channel							
Frequency [MHz]							
40	QPSK	1	1	23.88	23.18	23.03	27.0
Channel							
Frequency [MHz]							
30	QPSK	1	1	23.87	23.19	23.03	27.0
Channel							
Frequency [MHz]							
20	QPSK	1	1	23.86	23.20	23.03	27.0
Channel							
Frequency [MHz]							
10	QPSK	1	1	23.85	23.21	23.03	27.0

Part27O n78_Ant2_PC3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac.]	Power Max Ch. [Frac.]	Power High Ch. [Frac.]	Tune-up time (min)	MPN (dB)
Channel								
Frequency [MHz]								
100	PIQ-BPSK	1	1		22.79			
100	PIQ-BPSK	1	137		22.89		24.0	0.0
100	PIQ-BPSK	1	271		22.84			
100	PIQ-BPSK	135	0		22.39		23.5	0.5
100	PIQ-BPSK	135	66		22.16		24.0	0.0
100	PIQ-BPSK	135	136		22.34		23.5	0.5
100	PIQ-BPSK	270	0		22.33			
100	QPSK	1	1		22.87			
100	QPSK	1	137		22.87		24.0	0.0
100	QPSK	1	271		22.83			
100	QPSK	135	0		21.83		23.0	1.0
100	QPSK	135	66		21.76		24.0	0.0
100	QPSK	135	136		21.84		23.0	1.0
100	QPSK	270	0		21.78			
100	MSQAM	1	1		22.14		23.0	1.0
100	MSQAM	1	1		20.54		21.5	2.5
100	MSQAM	1	1		16.35		16.5	4.5
Channel								
Frequency [MHz]								
90	QPSK	1	1		22.59		22.5	0.0
Channel								
Frequency [MHz]								
80	QPSK	1	1		22.52		22.74	0.0
Channel								
Frequency [MHz]								
70	QPSK	1	1		22.55		22.65	0.0
Channel								
Frequency [MHz]								
60	QPSK	1	1		22.13		22.82	0.0
Channel								
Frequency [MHz]								
50	QPSK	1	1		22.73		22.82	0.0
Channel								
Frequency [MHz]								
40	QPSK	1	1		22.51		22.72	0.0
Channel								
Frequency [MHz]								
30	QPSK	1	1		22.42		22.88	0.0
Channel								
Frequency [MHz]								
20	QPSK	1	1		22.52		22.76	0.0

Part27Q n78_Ant 2_PC3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac.]	Power Max Ch. [Frac.]	Power High Ch. [Frac.]	Tune-up time (min)	MPN (dB)
Channel								
Frequency [MHz]								
100	PIQ-BPSK	1	1		22.87			
100	PIQ-BPSK	1	137		22.79		24.0	0.0
100	PIQ-BPSK	1	271		22.74			
100	PIQ-BPSK	135	0		22.27		23.5	0.5
100	PIQ-BPSK	135	66		22.16		24.0	0.0
100	PIQ-BPSK	135	136		22.32		23.5	0.5
100	PIQ-BPSK	270	0		22.16			
100	QPSK	1	1		22.85			
100	QPSK	1	137		22.78		24.0	0.0
100	QPSK	1	271		22.85			
100	QPSK	135	0		21.89		23.0	1.0
100	QPSK	135	66		21.84		24.0	0.0
100	QPSK	135	136		21.77		23.0	1.0
100	QPSK	270	0		21.78			
100	MSQAM	1	1		22.11		23.0	1.0
100	MSQAM	1	1		20.54		21.5	2.5
100	MSQAM	1	1		16.13		16.5	4.5
Channel								
Frequency [MHz]								
90	QPSK	1	1		22.59		22.65	0.0
Channel								
Frequency [MHz]								
80	QPSK	1	1		22.69		22.71	0.0
Channel								
Frequency [MHz]								
70	QPSK	1	1		22.65		22.66	0.0
Channel								
Frequency [MHz]								
60	QPSK	1	1		22.59		22.58	0.0
Channel								
Frequency [MHz]								
50	QPSK	1	1		22.82		22.88	0.0
Channel								
Frequency [MHz]								
40	QPSK	1	1		22.69		22.68	0.0
Channel								
Frequency [MHz]								
30	QPSK	1	1		22.43		22.83	0.0
Channel								
Frequency [MHz]								
20	QPSK	1	1		22.66		22.57	0.0

Par270 nT Ant7_PC3									
Ref [MHz]	Modulation	Channel	RB Offset	Power Low (dBm)	Power High (dBm)	Power High (dBm)	Power High (dBm)	Interpol. gain (dB)	MPR (dB)
				900000	900000	900000	900000		
100	FSK4QAM	1	1	23.54	23.53	23.25			
100	FSK4QAM	1	157	22.29	23.53	23.24	24.0		0.0
100	FSK4QAM	1	211	22.29	23.53	23.24	24.0		0.0
100	FSK4QAM	158	0	22.25	22.45	23.23	24.0		0.0
100	FSK4QAM	158	168	22.25	22.45	23.23	24.0		0.0
100	FSK4QAM	211	0	22.30	22.44	23.22			0.0
100	FSK4QAM	211	168	22.30	22.44	23.22	24.0		0.0
100	QPSK	1	157	22.52	22.41	22.24	24.0		0.0
100	QPSK	1	211	22.52	22.41	22.24	24.0		0.0
100	QPSK	158	0	22.28	22.53	23.23	24.0		0.0
100	QPSK	158	168	22.28	22.53	23.23	24.0		0.0
100	QPSK	211	0	22.28	22.53	23.23	24.0		0.0
100	QPSK	211	168	22.28	22.53	23.23	24.0		0.0
100	QPSK4M	1	1	21.70	22.42	21.65	23.5	1.6	
100	QPSK4M	1	157	21.70	22.42	21.65	23.5	1.6	
100	QPSK4M	1	211	21.70	22.42	21.65	23.5	1.6	
100	QPSK4M	158	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	0	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	158	168	21.66	21.63	21.63	23.5	1.6	
100	QPSK4M	211	0	21.66	21.63	21.63	23.5	1.6	

[illegible]

Part270 n77_Ant_1_P3C3									
Bin [MHz]	Modulation	Channel	RF Offset	Power Low Cut [dBm]	Power High Cut [dBm]	Power Avg. [dBm]	Interferer type	MNF	SNR
B33334									
-1000	FSK4096K	1	0	-22.35	-	-	-	-	-
-1000	FSK4096K	1	137	-22.48	-	-	24.0	0.0	-
-1000	FSK4096K	1	273	-22.48	-	-	-	-	-
-1000	FSK4096K	139	0	-22.34	-	-	-	-	-
-1000	FSK4096K	139	137	-22.35	-	-	-	-	-
-1000	FSK4096K	139	273	-22.32	-	-	24.0	0.0	-
-1000	FSK4096K	139	409	-22.32	-	-	-	-	-
-1000	FSK4096K	275	0	-22.36	-	-	-	-	-
-1000	FSK4096K	275	137	-22.48	-	-	24.0	0.0	-
-1000	FSK4096K	275	273	-22.43	-	-	-	-	-
-1000	FSK4096K	275	409	-22.48	-	-	-	-	-
-1000	FSK4096K	409	0	-22.48	-	-	-	-	-
-1000	FSK4096K	409	137	-22.48	-	-	24.0	0.0	-
-1000	FSK4096K	409	273	-22.48	-	-	-	-	-
-1000	FSK4096K	409	409	-22.48	-	-	-	-	-
-1000	FSK4096K	545	0	-21.81	-	-	25.0	1.0	-
-1000	FSK4096K	545	137	-21.82	-	-	-	-	-
-1000	FSK4096K	545	273	-21.82	-	-	-	-	-
-1000	FSK4096K	545	409	-21.82	-	-	-	-	-
-1000	FSK4096K	545	545	-21.82	-	-	-	-	-
-1000	FSK4096K	545	681	-21.82	-	-	-	-	-
-1000	FSK4096K	681	0	-21.82	-	-	-	-	-
-1000	FSK4096K	681	137	-21.82	-	-	-	-	-
-1000	FSK4096K	681	273	-21.82	-	-	-	-	-
-1000	FSK4096K	681	409	-21.82	-	-	-	-	-
-1000	FSK4096K	681	545	-21.82	-	-	-	-	-
-1000	FSK4096K	681	681	-21.82	-	-	-	-	-
-1000	FSK4096K	681	817	-21.82	-	-	-	-	-
-1000	FSK4096K	817	0	-21.82	-	-	-	-	-
-1000	FSK4096K	817	137	-21.82	-	-	-	-	-
-1000	FSK4096K	817	273	-21.82	-	-	-	-	-
-1000	FSK4096K	817	409	-21.82	-	-	-	-	-
-1000	FSK4096K	817	545	-21.82	-	-	-	-	-
-1000	FSK4096K	817	681	-21.82	-	-	-	-	-
-1000	FSK4096K	817	817	-21.82	-	-	-	-	-
-1000	FSK4096K	817	953	-21.82	-	-	-	-	-
-1000	FSK4096K	953	0	-21.82	-	-	-	-	-
-1000	FSK4096K	953	137	-21.82	-	-	-	-	-
-1000	FSK4096K	953	273	-21.82	-	-	-	-	-
-1000	FSK4096K	953	409	-21.82	-	-	-	-	-
-1000	FSK4096K	953	545	-21.82	-	-	-	-	-
-1000	FSK4096K	953	681	-21.82	-	-	-	-	-
-1000	FSK4096K	953	817	-21.82	-	-	-	-	-
-1000	FSK4096K	953	953	-21.82	-	-	-	-	-

Part270 n77_Ant_1_P2									
Bin (MHz)	Modulation	Channel	RF Offset	Power Out [mW]	Power In [mW]	Power Gain [dB]	Interp. Error [dB]	SNR [dB]	BER
Frequency [MHz]									
100	PSSBPSK	1	0	25.54	-	-	-	-	-
100	PSSBPSK	1	157	25.44	-	-	27.0	0.0	-
100	PSSBPSK	1	315	25.44	-	-	27.0	0.0	-
100	PSSBPSK	128	0	25.97	-	-	26.5	0.0	-
100	PSSBPSK	128	157	25.97	-	-	26.5	0.0	-
100	PSSBPSK	128	315	25.97	-	-	26.5	0.0	-
100	PSSBPSK	256	0	26.24	-	-	26.5	0.0	-
100	PSSBPSK	256	157	26.20	-	-	27.0	0.0	-
100	PSSBPSK	256	315	26.20	-	-	27.0	0.0	-
100	QPSK	128	0	25.08	-	-	26.5	0.0	-
100	QPSK	128	157	25.08	-	-	26.5	0.0	-
100	QPSK	128	315	25.08	-	-	26.5	0.0	-
100	QPSK	256	0	24.78	-	-	26.5	0.0	-
100	QPSK	256	157	24.78	-	-	26.5	0.0	-
100	QPSK	256	315	24.78	-	-	26.5	0.0	-
100	QPSK	512	0	25.10	-	-	27.0	0.0	-
100	QPSK	512	157	25.10	-	-	27.0	0.0	-
100	QPSK	512	315	25.10	-	-	27.0	0.0	-
Channel				61000	61034	1.0308	26.5	0.0	14.9%
100	QPSK	512	0	61000	61034	1.0308	26.5	0.0	14.9%
100	QPSK	512	157	61000	61034	1.0308	26.5	0.0	14.9%
100	QPSK	512	315	61000	61034	1.0308	26.5	0.0	14.9%
100	QPSK	512	0	25.84	25.43	26.97	27.0	0.0	-
100	QPSK	512	157	61668	61634	1.0307	26.5	0.0	14.9%
100	QPSK	512	315	61668	61634	1.0307	26.5	0.0	14.9%
100	QPSK	512	0	25.80	25.41	26.59	27.0	0.0	-
100	QPSK	512	157	61836	61834	1.0303	26.5	0.0	14.9%
100	QPSK	512	315	61836	61834	1.0303	26.5	0.0	14.9%
100	QPSK	512	0	34.51	34.00	26.51	27.0	0.0	-
100	QPSK	512	157	34.51	34.00	26.51	27.0	0.0	-
100	QPSK	512	315	34.51	34.00	26.51	27.0	0.0	-
100	QPSK	512	0	25.05	25.01	26.20	27.0	0.0	-
100	QPSK	512	157	34.51	34.00	26.51	27.0	0.0	-
100	QPSK	512	315	34.51	34.00	26.51	27.0	0.0	-
Channel				51668	51634	1.0306	26.5	0.0	14.9%
100	QPSK	512	0	51668	51634	1.0306	26.5	0.0	14.9%
100	QPSK	512	157	51668	51634	1.0306	26.5	0.0	14.9%
100	QPSK	512	315	51668	51634	1.0306	26.5	0.0	14.9%
100	QPSK	512	0	25.05	25.02	26.20	27.0	0.0	-
100	QPSK	512	157	25.05	25.02	26.20	27.0	0.0	-
100	QPSK	512	315	25.05	25.02	26.20	27.0	0.0	-
Channel				51668	51634	1.0306	26.5	0.0	14.9%
100	QPSK	512	0	51668	51634	1.0306	26.5	0.0	14.9%
100	QPSK	512	157	51668	51634	1.0306	26.5	0.0	14.9%
100	QPSK	512	315	51668	51634	1.0306	26.5	0.0	14.9%
100	QPSK	512	0	25.05	25.02	26.20	27.0	0.0	-
100	QPSK	512	157	25.05	25.02	26.20	27.0	0.0	-
100	QPSK	512	315	25.05	25.02	26.20	27.0	0.0	-

Part27O n78 Ant7_PC3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (W)	Power Modem Ch. 1 (W)	Power High Ch. 1 (W)	Time-up time (min)	MPS (dB)	
Channel									
Frequency (MHz)									
100	PV2 BPSK	1	1	22.05	22.05	22.05			
100	PV2 BPSK	1	137	22.09	22.09	22.09	24.0	0.0	
100	PV2 BPSK	1	251	22.01	22.01	22.01			
100	PV2 BPSK	135	0	22.43	22.43	22.43	23.0	0.0	
100	PV2 BPSK	135	60	22.00	22.00	22.00	24.0	0.0	
100	PV2 BPSK	135	138	22.04	22.04	22.04			
100	PV2 BPSK	270	0	22.16	22.16	22.16	23.0	0.0	
100	QPSK	1	1	22.12	22.12	22.12			
100	QPSK	1	137	22.05	22.05	22.05	24.0	0.0	
100	QPSK	1	251	22.07	22.07	22.07			
100	QPSK	135	0	21.74	21.74	21.74	23.0	1.0	
100	QPSK	135	60	22.00	22.00	22.00	24.0	0.0	
100	QPSK	135	138	21.08	21.08	21.08	23.0	1.0	
100	QPSK	270	0	21.05	21.05	21.05	23.0	1.0	
100	16QAM	1	1	21.07	21.07	21.07	23.0	1.0	
100	64QAM	1	1	20.09	20.09	20.09	21.0	2.0	
100	256QAM	1	1	18.28	18.28	18.28	19.0	4.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	22.35	22.35	22.35	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.47	22.07	22.01	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.44	22.30	22.09	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	22.03	22.01	22.08	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.38	22.04	22.06	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.48	22.03	22.08	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.00	22.00	22.00	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.49	22.06	22.00	24.0	0.0	

Part27Q n78_FCC Ant 7_PC3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 (W)	Power Modem Ch.1 (W)	Power High Ch.1 (W)	Time-up time (min)	MPS (dB)	
Channel									
Frequency (MHz)									
100	PV2 BPSK	1	1	22.01	22.01	22.01			
100	PV2 BPSK	1	137	22.38	22.38	22.38	24.0	0.0	
100	PV2 BPSK	1	251	22.07	22.07	22.07			
100	PV2 BPSK	135	0	22.48	22.48	22.48	23.0	0.0	
100	PV2 BPSK	135	60	22.01	22.01	22.01	24.0	0.0	
100	PV2 BPSK	135	138	21.87	21.87	21.87	23.0	0.0	
100	PV2 BPSK	270	0	22.14	22.14	22.14	23.0	0.0	
100	QPSK	1	1	22.07	22.07	22.07			
100	QPSK	1	137	22.01	22.01	22.01	24.0	0.0	
100	QPSK	1	251	22.07	22.07	22.07			
100	QPSK	135	0	22.03	22.03	22.03	23.0	1.0	
100	QPSK	135	60	22.00	22.00	22.00	24.0	0.0	
100	QPSK	135	138	21.00	21.00	21.00	23.0	1.0	
100	QPSK	270	0	21.00	21.00	21.00	23.0	1.0	
100	16QAM	1	1	21.06	21.06	21.06	23.0	1.0	
100	64QAM	1	1	20.22	20.22	20.22	21.0	2.0	
100	256QAM	1	1	18.06	18.06	18.06	19.0	4.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	22.40	22.07	22.40	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.46	22.00	22.01	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.42	22.06	22.01	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	22.44	22.03	22.01	22.40	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.45	22.04	22.07	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.47	22.02	22.48	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.44	22.04	22.01	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.54	22.00	22.00	24.0	0.0	



Reduced Power Level for 5G NR

n2 Ant0 DSI2 Standalone&Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000			
Frequency (MHz)				1860	1880	1900			
20	Pl2 BPSK	1	1	22.15	22.24	22.17			
20	Pl2 BPSK	1	53	22.27	22.33	22.26	24.0	0.0	
20	Pl2 BPSK	1	104	22.19	22.26	22.24			
20	Pl2 BPSK	50	0	22.18	22.33	22.25	24.0	0.0	
20	Pl2 BPSK	50	28	22.13	22.31	22.30	24.0	0.0	
20	Pl2 BPSK	50	56	22.19	22.26	22.07			
20	Pl2 BPSK	100	0	22.13	22.22	22.13	24.0	0.0	
20	QPSK	1	1	22.53	22.55	22.38			
20	QPSK	1	53	22.05	22.19	22.05	24.0	0.0	
20	QPSK	1	104	22.25	22.34	22.20			
20	QPSK	50	0	22.15	22.23	22.17	24.0	0.0	
20	QPSK	50	28	22.21	22.41	22.25	24.0	0.0	
20	QPSK	50	56	22.17	22.35	22.29	24.0	0.0	
20	QPSK	100	0	22.21	22.37	22.29	24.0	0.0	
20	16QAM	1	1	22.40	22.47	22.41	24.0	0.0	
20	64QAM	1	1	21.37	21.48	21.31	22.5	1.5	
20	256QAM	1	1	19.23	19.26	19.23	20.5	3.5	
Channel				187.5	1880	1900.5	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1880	1902.5			
15	QPSK	1	1	22.23	22.43	22.24	24.0	0.0	
Channel				375000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1905			
10	QPSK	1	1	22.42	22.41	22.17	24.0	0.0	
Channel				379500	379000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1875.5	1880	1877.5			
5	QPSK	1	1	22.25	22.35	22.16	24.0	0.0	

n5 Ant0 DSI2 Standalone&Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				168800	167300	167000			
Frequency (MHz)				834	836.5	836			
20	Pl2 BPSK	1	1	22.62	22.88	22.65			
20	Pl2 BPSK	1	53	22.62	22.63	22.54	24.0	0.0	
20	Pl2 BPSK	1	104	22.46	22.60	22.41			
20	Pl2 BPSK	50	0	22.50	22.55	22.45	24.0	0.0	
20	Pl2 BPSK	50	28	22.64	22.67	22.55	24.0	0.0	
20	Pl2 BPSK	50	56	22.50	22.56	22.41			
20	Pl2 BPSK	100	0	22.45	22.64	22.60	24.0	0.0	
20	QPSK	1	1	22.63	22.75	22.67			
20	QPSK	1	53	22.42	22.62	22.44	24.0	0.0	
20	QPSK	1	104	22.47	22.60	22.59			
20	QPSK	50	0	22.49	22.58	22.41	24.0	0.0	
20	QPSK	50	28	22.62	22.65	22.63	24.0	0.0	
20	QPSK	50	56	22.50	22.57	22.43	24.0	0.0	
20	QPSK	100	0	22.43	22.62	22.42	24.0	0.0	
20	16QAM	1	1	22.59	22.61	22.52	24.0	0.0	
20	64QAM	1	1	21.73	21.91	21.72	22.5	1.5	
20	256QAM	1	1	19.64	19.69	19.52	20.5	3.5	
Channel				167000	167300	167000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.48	22.54	22.39	24.0	0.0	
Channel				165800	167300	165800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				830	836.5	844			
10	QPSK	1	1	22.46	22.51	22.47	24.0	0.0	
Channel				165300	167300	165300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				828.5	836.5	843.5			
5	QPSK	1	1	22.50	22.45	22.42	24.0	0.0	

n66 Ant0 DSI2 Standalone&Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	346000	350000			
Frequency (MHz)				1730	1745	1760			
40	Pl2 BPSK	1	1	22.20	22.33	22.28			
40	Pl2 BPSK	1	108	22.16	22.34	22.19	24.0	0.0	
40	Pl2 BPSK	1	214	22.16	22.35	22.17			
40	Pl2 BPSK	108	0	22.09	22.28	22.25	24.0	0.0	
40	Pl2 BPSK	108	54	22.06	22.25	22.08	24.0	0.0	
40	Pl2 BPSK	108	108	22.16	22.27	22.17			
40	Pl2 BPSK	216	0	22.27	22.33	22.16	24.0	0.0	
40	QPSK	1	1	22.45	22.63	22.58			
40	QPSK	1	108	22.40	22.53	22.36	24.0	0.0	
40	QPSK	1	214	22.41	22.49	22.49			
40	QPSK	108	0	22.45	22.47	22.43	24.0	0.0	
40	QPSK	108	54	22.14	22.49	22.14	24.0	0.0	
40	QPSK	108	108	22.18	22.26	22.25	24.0	0.0	
40	QPSK	216	0	22.14	22.26	22.17	24.0	0.0	
40	16QAM	1	1	22.50	22.51	22.50	24.0	0.0	
40	64QAM	1	1	21.63	21.64	21.58	22.5	1.5	
40	256QAM	1	1	19.25	19.30	19.17	20.5	3.5	
Channel				345000	345000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	22.20	22.44	22.31	24.0	0.0	
Channel				344000	346000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	22.17	22.40	22.43	24.0	0.0	
Channel				343500	346000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	22.19	22.42	22.47	24.0	0.0	
Channel				343000	346000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	22.31	22.42	22.30	24.0	0.0	
Channel				342500	346000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	22.25	22.47	22.37	24.0	0.0	



n2 Ant1 DS12 Standalone

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel				1660	1660	1660	17.8	0.0
Frequency (MHz)				1660	1660	1660		
20	Pl2 BPSK	1	1	16.15	16.23	16.16	17.8	0.0
20	Pl2 BPSK	1	53	16.26	16.28	16.23		
20	Pl2 BPSK	1	104	16.17	16.25	16.13	17.8	0.0
20	Pl2 BPSK	50	0	16.18	16.29	16.18		
20	Pl2 BPSK	50	26	16.22	16.26	16.19	17.8	0.0
20	Pl2 BPSK	50	56	16.15	16.25	16.18		
20	Pl2 BPSK	100	0	16.19	16.27	16.17	17.8	0.0
20	QPSK	1	1	16.29	16.37	16.31		
20	QPSK	1	53	16.25	16.31	16.34	17.8	0.0
20	QPSK	1	104	16.24	16.29	16.24		
20	QPSK	50	0	16.20	16.28	16.24	17.8	0.0
20	QPSK	50	26	16.22	16.31	16.24		
20	QPSK	50	56	16.18	16.24	16.21	17.8	0.0
20	QPSK	100	0	16.12	16.25	16.16		
20	16QAM	1	1	16.12	16.24	16.19	17.8	0.0
20	64QAM	1	1	16.25	16.34	16.21		
20	256QAM	1	1	16.11	16.23	16.17	17.8	0.0
Channel				371900	376000	380900	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1627.5	1660	1662.5	(dBm)	(dB)
15	QPSK	1	1	16.23	16.30	16.17	17.8	0.0
Channel				371500	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1655	1660	1665	(dBm)	(dB)
10	QPSK	1	1	16.21	16.31	16.22	17.8	0.0
Channel				372000	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1652.5	1660	1667.5	(dBm)	(dB)
5	QPSK	1	1	16.21	16.28	16.28	17.8	0.0
Channel				371800	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1621	1660	1660	(dBm)	(dB)

n5 Ant1 DS12 Standalone

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

n66 Ant1 DS12 Standalone

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000	17.5	0.0
Frequency (MHz)				1720	1745	1760		
40	Pl2 BPSK	1	1	16.25	16.32	16.33	17.5	0.0
40	Pl2 BPSK	1	108	16.26	16.37	16.30		
40	Pl2 BPSK	1	214	16.19	16.34	16.32	17.5	0.0
40	Pl2 BPSK	108	0	16.16	16.53	16.30		
40	Pl2 BPSK	108	54	16.21	16.36	16.20	17.5	0.0
40	Pl2 BPSK	108	108	16.15	16.29	16.20		
40	Pl2 BPSK	216	0	16.21	16.31	16.29	17.5	0.0
40	QPSK	1	1	16.36	16.53	16.43		
40	QPSK	1	108	16.24	16.34	16.25	17.5	0.0
40	QPSK	1	214	16.12	16.30	16.24		
40	QPSK	108	0	16.22	16.32	16.19	17.5	0.0
40	QPSK	108	54	16.16	16.50	16.22		
40	QPSK	108	108	16.25	16.30	16.27	17.5	0.0
40	QPSK	216	0	16.20	16.29	16.19		
40	16QAM	1	1	16.19	16.32	16.28	17.5	0.0
40	64QAM	1	1	16.37	16.47	16.57		
40	256QAM	1	1	16.23	16.37	16.33	17.5	0.0
Channel				346000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)
30	QPSK	1	1	16.29	16.44	16.38	17.5	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)
20	QPSK	1	1	16.26	16.49	16.32	17.5	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)
15	QPSK	1	1	16.28	16.42	16.35	17.5	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1716	1746	1776	(dBm)	(dB)
10	QPSK	1	1	16.26	16.49	16.38	17.5	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1746	1777.5	(dBm)	(dB)
5	QPSK	1	1	16.24	16.44	16.31	17.5	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1746	1777.5	(dBm)	(dB)



n2 Ant1 DS12 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				372000	376000	380000	16.5	0.0	
Frequency (MHz)				1860	1880	1900			
20	PI2 BPSK	1	1	15.32	15.34	15.30			
20	PI2 BPSK	1	53	15.24	15.29	15.24			
20	PI2 BPSK	1	104	15.21	15.32	15.16			
20	PI2 BPSK	50	0	15.15	15.26	15.23			
20	PI2 BPSK	50	28	15.16	15.29	15.11			
20	PI2 BPSK	50	56	15.23	15.27	15.15			
20	PI2 BPSK	100	0	15.20	15.23	15.21			
20	QPSK	1	1	15.37	15.46	15.34			
20	QPSK	1	53	15.16	15.27	15.22			
20	QPSK	1	104	15.18	15.25	15.19			
20	QPSK	50	0	15.25	15.29	15.20			
20	QPSK	50	28	15.12	15.31	15.10			
20	QPSK	50	56	15.20	15.26	15.14			
20	QPSK	100	0	15.11	15.29	15.18			
20	16QAM	1	1	15.38	15.44	15.39			
20	64QAM	1	1	15.25	15.37	15.28			
20	256QAM	1	1	15.26	15.33	15.20			
Channel				371500	376000	380500	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1857.5	1880	1902.5	16.5	0.0	
15	QPSK	1	1	15.20	15.35	15.24			
Channel				371000	376000	381000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1865	1880	1905	16.5	0.0	
10	QPSK	1	1	15.34	15.38	15.18			
Channel				370500	376000	381500	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1862.5	1880	1907.5	16.5 <td colspan="2">0.0</td>	0.0	
5	QPSK	1	1	15.34	15.33	15.22			

n5 Ant1 DS12 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800	22.2	0.0	
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	21.13	21.27	21.20			
20	PI2 BPSK	1	53	21.01	21.15	21.06			
20	PI2 BPSK	1	104	21.15	21.18	21.03	22.2	0.0	
20	PI2 BPSK	50	0	21.04	21.19	21.07	22.2	0.0	
20	PI2 BPSK	50	28	21.12	21.25	21.22	22.2	0.0	
20	PI2 BPSK	50	56	21.19	21.28	21.16	22.2	0.0	
20	PI2 BPSK	100	0	21.20	21.23	21.15	22.2	0.0	
20	QPSK	1	1	21.27	21.34	21.25	22.2	0.0	
20	QPSK	1	53	21.05	21.22	21.19			
20	QPSK	1	104	21.13	21.25	21.21			
20	QPSK	50	0	21.17	21.22	21.12			
20	QPSK	50	28	21.20	21.29	21.20	22.2	0.0	
20	QPSK	50	56	21.16	21.23	21.15	22.2	0.0	
20	QPSK	100	0	21.11	21.24	21.10	22.2	0.0	
20	16QAM	1	1	21.25	21.28	21.11	22.2	0.0	
20	64QAM	1	1	21.23	21.31	21.16	22.2	0.0	
20	256QAM	1	1	19.68	19.84	19.69	20.5	1.7	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5	22.2 <td colspan="2">0.0</td>	0.0	
15	QPSK	1	1	21.20	21.26	21.18	22.2	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844	22.2 <td colspan="2">0.0</td>	0.0	
10	QPSK	1	1	21.24	21.32	21.16	22.2	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5	22.2 <td colspan="2">0.0</td>	0.0	
5	QPSK	1	1	21.11	21.26	21.17	22.2	0.0	

n66 Ant1 DS12 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000	16.2	0.0	
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	14.69	14.85	14.77	16.2	0.0	
40	PI2 BPSK	1	108	14.76	14.87	14.82			
40	PI2 BPSK	1	214	14.77	14.82	14.74			
40	PI2 BPSK	108	0	14.75	14.84	14.68			
40	PI2 BPSK	108	54	14.73	14.89	14.74	16.2	0.0	
40	PI2 BPSK	108	108	14.88	14.93	14.80	16.2	0.0	
40	PI2 BPSK	216	0	14.78	14.87	14.74	16.2	0.0	
40	QPSK	1	1	14.96	15.06	14.97	16.2	0.0	
40	QPSK	1	108	14.87	14.94	14.80			
40	QPSK	1	214	14.72	14.85	14.71			
40	QPSK	108	0	14.66	14.81	14.64			
40	QPSK	108	54	14.79	14.94	14.79	16.2	0.0	
40	QPSK	108	108	14.84	14.86	14.83	16.2	0.0	
40	QPSK	216	0	14.87	14.89	14.80	16.2	0.0	
40	16QAM	1	1	14.65	14.83	14.74	16.2	0.0	
40	64QAM	1	1	14.86	14.97	14.84	16.2	0.0	
40	256QAM	1	1	14.84	14.93	14.82	16.2	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765	16.2	0.0	
30	QPSK	1	1	14.75	14.76	14.57	16.2	0.0	
Channel				344000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770	16.2	0.0	
20	QPSK	1	1	14.75	14.80	14.65	16.2	0.0	
Channel				343000	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	16.2	0.0	
15	QPSK	1	1	14.65	14.69	14.68	16.2	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	16.2	0.0	
10	QPSK	1	1	14.64	14.71	14.68	16.2	0.0	
Channel				342000	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	16.2	0.0	
5	QPSK	1	1	14.69	14.78	14.58	16.2	0.0	

Par270 n77 Ant2_PC3 DSi2 Standalone							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Media Ch.1 Freq.	Power High Ch.1 Freq.	Time-up time (dBm)
Channel							
Frequency (MHz)							
100	PI2 BPSK	1	1	19.92	19.93	19.98	
100	PI2 BPSK	1	137	19.76	19.87	19.76	20.6 0.0
100	PI2 BPSK	1	271	19.72	19.87	19.83	
100	PI2 BPSK	135	0	19.94	19.76	19.70	20.6 0.0
100	PI2 BPSK	135	66	19.76	19.89	19.84	20.6 0.0
100	PI2 BPSK	135	138	19.88	19.76	19.76	20.6 0.0
100	PI2 BPSK	270	0	19.72	19.71	19.66	
100	QPSK	1	1	19.97	19.76	19.66	
100	QPSK	1	137	19.82	19.85	19.77	20.6 0.0
100	QPSK	1	271	19.84	19.83	19.78	
100	QPSK	135	0	19.98	19.73	19.72	20.6 0.0
100	QPSK	135	66	19.84	19.86	19.72	20.6 0.0
100	QPSK	135	138	19.88	19.87	19.66	20.6 0.0
100	QPSK	270	0	19.82	19.89	19.66	
100	16QAM	1	1	19.84	19.84	19.69	20.6 0.0
100	16QAM	1	1	19.82	19.88	19.74	20.6 0.0
100	256QAM	1	1	19.82	19.83	19.73	20.6 0.0
Channel							
30	QPSK	1	1	19.47	19.82	19.47	20.6 0.0
Channel							
Frequency (MHz)	54334	83500	83586	Time-up time (dBm)	MPN (dB)		
80	QPSK	1	1	19.53	19.36	19.42	20.6 0.0
Channel							
Frequency (MHz)	3735	3643	3633	Time-up time (dBm)	MPN (dB)		
70	QPSK	1	1	19.49	19.85	19.37	20.6 0.0
Channel							
Frequency (MHz)	3732.52	3640	3630	Time-up time (dBm)	MPN (dB)		
80	QPSK	1	1	19.42	19.68	19.49	20.6 0.0
Channel							
Frequency (MHz)	54334	83500	83586	Time-up time (dBm)	MPN (dB)		
30	QPSK	1	1	19.37	19.83	19.43	20.6 0.0
Channel							
Frequency (MHz)	54300	83500	83600	Time-up time (dBm)	MPN (dB)		
80	QPSK	1	1	19.39	19.64	19.47	20.6 0.0
Channel							
Frequency (MHz)	3718.02	3644	3634.38	Time-up time (dBm)	MPN (dB)		
30	QPSK	1	1	19.38	19.36	19.45	20.6 0.0
Channel							
Frequency (MHz)	3712.11	3640	3630	Time-up time (dBm)	MPN (dB)		
20	QPSK	1	1	19.41	19.82	19.41	20.6 0.0

Par270 n77 Ant2_PC2 DSi2 Standalone							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Media Ch.1 Freq.	Power High Ch.1 Freq.	Time-up time (dBm)
Channel							
Frequency (MHz)							
100	PI2 BPSK	1	1	22.08	22.38	22.39	
100	PI2 BPSK	1	137	22.33	22.38	22.29	23.6 0.0
100	PI2 BPSK	1	271	22.35	22.47	22.50	
100	PI2 BPSK	135	0	22.80	22.71	22.60	23.6 0.0
100	PI2 BPSK	135	66	22.32	22.46	22.46	23.6 0.0
100	PI2 BPSK	135	138	22.21	22.46	22.19	23.6 0.0
100	PI2 BPSK	270	0	22.26	22.52	22.34	23.6 0.0
100	QPSK	1	1	22.43	22.56	22.46	
100	QPSK	1	137	22.48	22.46	22.44	23.6 0.0
100	QPSK	1	271	22.36	22.36	22.29	
100	QPSK	135	0	22.33	22.36	22.33	23.6 0.0
100	QPSK	135	66	22.36	22.36	22.36	23.6 0.0
100	QPSK	135	138	22.26	22.36	22.34	23.6 0.0
100	QPSK	270	0	22.48	22.61	22.58	23.6 0.0
100	16QAM	1	1	22.64	22.66	22.56	23.6 0.0
100	16QAM	1	1	22.42	22.46	22.36	23.6 0.0
100	256QAM	1	1	22.52	22.66	22.46	23.6 0.0
Channel							
30	QPSK	1	1	22.05	22.34	22.02	23.6 0.0
Channel							
Frequency (MHz)	54334	83500	83586	Time-up time (dBm)	MPN (dB)		
80	QPSK	1	1	22.81	22.80	22.69	23.6 0.0
Channel							
Frequency (MHz)	3735	3643	3633	Time-up time (dBm)	MPN (dB)		
70	QPSK	1	1	22.79	22.90	22.60	23.6 0.0
Channel							
Frequency (MHz)	3732	3640	3630	Time-up time (dBm)	MPN (dB)		
80	QPSK	1	1	22.77	22.50	22.17	23.6 0.0
Channel							
Frequency (MHz)	54334	83500	83586	Time-up time (dBm)	MPN (dB)		
30	QPSK	1	1	22.74	22.87	22.84	23.6 0.0
Channel							
Frequency (MHz)	54300	83500	83600	Time-up time (dBm)	MPN (dB)		
80	QPSK	1	1	22.82	22.80	22.67	23.6 0.0
Channel							
Frequency (MHz)	3718.02	3644	3634.38	Time-up time (dBm)	MPN (dB)		
30	QPSK	1	1	22.87	22.84	22.73	23.6 0.0
Channel							
Frequency (MHz)	3712.11	3640	3630	Time-up time (dBm)	MPN (dB)		
20	QPSK	1	1	22.82	22.79	22.66	23.6 0.0

Part27Q n77_Ant 2_PC3 DSi2 Standalone							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Media Ch.1 Freq.	Power High Ch.1 Freq.	Time-up time (dBm)
Channel							
Frequency (MHz)							
100	PI2 BPSK	1	1	20.87	20.87	20.87	
100	PI2 BPSK	1	137	20.78	20.78	20.78	20.6 0.0
100	PI2 BPSK	1	271	20.76	20.76	20.76	
100	PI2 BPSK	135	0	20.89	20.89	20.89	20.6 0.0
100	PI2 BPSK	135	66	20.89	20.89	20.89	20.6 0.0
100	PI2 BPSK	135	138	20.74	20.74	20.74	20.6 0.0
100	PI2 BPSK	270	0	20.86	20.86	20.86	20.6 0.0
100	QPSK	1	1	20.71	20.71	20.71	20.6 0.0
100	QPSK	1	137	20.69	20.69	20.69	20.6 0.0
100	QPSK	1	271	20.71	20.71	20.71	20.6 0.0
100	QPSK	135	0	20.89	20.89	20.89	20.6 0.0
100	QPSK	135	66	20.89	20.89	20.89	20.6 0.0
100	QPSK	135	138	20.82	20.82	20.82	20.6 0.0
100	QPSK	270	0	20.86	20.86	20.86	20.6 0.0
100	16QAM	1	1	20.86	20.86	20.86	20.6 0.0
100	16QAM	1	1	20.71	20.71	20.71	20.6 0.0
100	256QAM	1	1	20.82	20.82	20.82	20.6 0.0
Channel							
30	QPSK	1	1	20.64	20.75	20.66	20.6 0.0
Channel							
Frequency (MHz)	54334	83500	83586	Time-up time (dBm)	MPN (dB)		
80	QPSK	1	1	20.17	20.16	20.09	20.6 0.0
Channel							
Frequency (MHz)	3685.01	3593.01	3583.01	Time-up time (dBm)	MPN (dB)		
70	QPSK	1	1	20.16	20.16	20.09	20.6 0.0
Channel							
Frequency (MHz)	3683	3591	3581.01	Time-up time (dBm)	MPN (dB)		
80	QPSK	1	1	20.17	20.16	20.09	20.6 0.0
Channel							
Frequency (MHz)	3685.01	3593.01	3583.01	Time-up time (dBm)	MPN (dB)		
70	QPSK	1	1	20.16	20.16	20.09	20.6 0.0
Channel							
Frequency (MHz)	54334	83500	83586	Time-up time (dBm)	MPN (dB)		
30	QPSK	1	1	20.15	20.16	20.09	20.6 0.0
Channel							
Frequency (MHz)	54334	83500	83586	Time-up time (dBm)	MPN (dB)		
80	QPSK	1	1	20.05	20.04	20.04	20.6 0.0
Channel							
Frequency (MHz)	3685	3593.01	3583.01	Time-up time (dBm)	MPN (dB)		
30	QPSK	1	1	20.06	20.07	20.06	20.6 0.0
Channel							
Frequency (MHz)	3683.01	3593.01	3583.01	Time-up time (dBm)	MPN (dB)		
20	QPSK	1	1	20.04	20.11	20.06	20.6 0.0

Part27Q n77_Ant 2_PC2 DSi2 Standalone							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Media Ch.1 Freq.	Power High Ch.1 Freq.	Time-up time (dBm)
Channel							
Frequency (MHz)							
100	PI2 BPSK	1	1	23.01	23.01	23.01	
100	PI2 BPSK	1	137	23.14	23.14	23.14	23.6 0.0
100	PI2 BPSK	1	271	23.11	23.11	23.11	
100	PI2 BPSK	135	0	23.20	23.20	23.20	23.6 0.0
100	PI2 BPSK	135	66	23.20	23.20	23.20	23.6 0.0
100	PI2 BPSK	135	138	23.03	23.03	23.03	23.6 0.0
100	PI2 BPSK	270	0	23.26	23.26	23.26	23.6 0.0
100	QPSK	1	1	23.00	23.00	23.00	23.6 0.0
100	QPSK	1	137	23.04	23.04	23.04	23.6 0.0
100	QPSK	1	271	23.04	23.04	23.04	23.6 0.0
100	QPSK	135	0	23.02	23.02	23.02	23.6 0.0
100	QPSK	135	66	23.02	23.02	23.02	23.6 0.0
100	QPSK	135	138	23.05	23.05	23.05	23.6 0.0
100	QPSK	270	0	23.02	23.02	23.02	23.6 0.0
100	16QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	16QAM	1	1	23.03	23.03	23.03	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM	1	1	23.04	23.04	23.04	23.6 0.0
100	256QAM						

Part270 n78 Ant2_PC3 DS12 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Max Ch. (Frac.)	Power High Ch. (Frac.)	Tuneup time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
100	PI2-BPSK	1	1		19.43				
100	PI2-BPSK	1	137		19.41		20.6	0.0	
100	PI2-BPSK	1	271		19.35				
100	PI2-BPSK	135	0		19.40		20.6	0.0	
100	PI2-BPSK	135	0		19.42		20.6	0.0	
100	PI2-BPSK	135	136		19.35				
100	PI2-BPSK	270	0		19.37		20.6	0.0	
100	QPSK	1	1		19.34				
100	QPSK	1	137		19.43		20.6	0.0	
100	QPSK	1	271		19.48				
100	QPSK	135	0		19.39		20.3	0.3	
100	QPSK	135	0		19.42		20.6	0.0	
100	QPSK	135	136		19.38		20.3	0.3	
100	QPSK	270	0		19.36		20.3	0.3	
100	16QAM	1	1		19.33		20.3	0.3	
100	16QAM	1	1		19.39		18.8	1.8	
100	16QAM	1	1		19.32		19.6	0.6	
Channel									
Frequency (MHz)									
50	QPSK	1	1		19.35	19.36	19.35	20.6	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1		19.24	19.30	19.60	20.6	0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1		19.05	19.12	19.31	20.6	0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1		18.82	18.96	19.20	20.6	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1		18.59	18.77	19.03	20.6	0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1		18.35	18.84	19.60	20.6	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1		18.12	18.84	19.60	20.6	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1		18.82	19.04	19.70	20.6	0.0

Part270 n78_Ant_2_PC3 DS12 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Max Ch. (Frac.)	Power High Ch. (Frac.)	Tune-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
100	PI2-BPSK	1	1		19.65				
100	PI2-BPSK	1	137		19.60		20.6	0.0	
100	PI2-BPSK	1	271		19.53				
100	PI2-BPSK	135	0		19.59		20.6	0.0	
100	PI2-BPSK	135	0		19.60		20.6	0.0	
100	PI2-BPSK	135	136		19.50		20.6	0.0	
100	PI2-BPSK	270	0		19.64				
100	QPSK	1	1		19.60				
100	QPSK	1	137		19.59		20.6	0.0	
100	QPSK	1	271		19.55				
100	QPSK	135	0		19.62		20.3	0.3	
100	QPSK	135	0		19.60		20.6	0.0	
100	QPSK	135	136		19.48		20.3	0.3	
100	QPSK	270	0		19.58		20.3	0.3	
100	16QAM	1	1		19.50		20.3	0.3	
100	16QAM	1	1		19.44		18.9	1.8	
100	16QAM	1	1		19.53		19.6	0.6	
Channel									
Frequency (MHz)									
50	QPSK	1	1		19.51	19.55	19.50	20.6	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1		19.61	19.55	19.48	20.6	0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1		19.58	19.56	19.63	20.6	0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1		19.52	19.48	19.42	20.6	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1		19.50	19.63	19.55	20.6	0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1		19.50	19.49	19.43	20.6	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1		19.60	19.58	19.57	20.6	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1		19.47	19.55	19.58	20.6	0.0

Par270 Ant2_PC3 DS12 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Max Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	18.19	18.35	18.51			
100	PI2 BPSK	1	137	18.26	18.38	18.52	19.3	0.0	
100	PI2 BPSK	1	271	18.31	18.39	18.56			
100	PI2 BPSK	135	0	18.17	18.24	18.17	19.3	0.0	
100	PI2 BPSK	135	66	18.26	18.37	18.29	19.3	0.0	
100	PI2 BPSK	135	138	18.12	18.34	18.11	19.3	0.0	
100	PI2 BPSK	270	0	18.32	18.19	18.34			
100	QPSK	1	1	18.44	18.50	18.60			
100	QPSK	1	137	18.38	18.47	18.59	19.3	0.0	
100	QPSK	1	271	18.49	18.40	18.47			
100	QPSK	135	0	18.29	18.32	18.12	19.3	0.0	
100	QPSK	135	66	18.34	18.39	18.34	19.3	0.0	
100	QPSK	135	138	18.17	18.38	18.34	19.3	0.0	
100	QPSK	270	0	18.17	18.38	18.24			
100	16QAM	1	1	18.14	18.38	18.16	19.3	0.0	
100	16QAM	1	1	18.34	18.35	18.39	19.3	0.0	
100	16QAM	1	1	18.26	18.40	18.32	19.3	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.24	18.31	18.35	19.3	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.17	18.17	18.21	19.3	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	18.29	18.39	18.35	19.3	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	18.22	18.12	18.12	19.3	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	18.19	18.08	18.19	19.3	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	18.21	18.17	18.21	19.3	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.23	18.30	18.44	19.3	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.13	18.19	18.39	19.3	0.0	

Par270 n77 Ant2_PC2 DS12 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Max Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	20.05	21.17	20.84			
100	PI2 BPSK	1	137	20.08	21.13	20.77	22.3	0.0	
100	PI2 BPSK	1	271	20.14	21.15	20.78			
100	PI2 BPSK	135	0	20.02	21.12	20.03	22.3	0.0	
100	PI2 BPSK	135	66	20.07	21.11	20.75	22.3	0.0	
100	PI2 BPSK	135	138	21.07	21.10	20.82	22.3	0.0	
100	PI2 BPSK	270	0	21.07	21.10	20.87			
100	QPSK	1	1	21.03	21.05	20.97			
100	QPSK	1	137	20.94	21.08	20.71	22.3	0.0	
100	QPSK	1	271	21.00	21.10	20.77			
100	QPSK	135	0	21.01	21.09	20.79	22.3	0.0	
100	QPSK	135	66	20.81	21.06	20.71	22.3	0.0	
100	QPSK	135	138	20.97	21.05	20.89	22.3	0.0	
100	QPSK	270	0	20.94	21.09	20.79			
100	16QAM	1	1	20.08	20.22	20.77	22.3	0.0	
100	16QAM	1	1	20.90	20.18	20.82	22.3	0.0	
100	16QAM	1	1	20.76	19.95	19.91	22.3	1.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	21.08	22.18	21.74	22.3	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.00	22.20	21.82	22.3	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	21.97	22.17	21.91	22.3	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	22.01	22.21	21.77	22.3	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	21.93	22.13	21.89	22.3	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	21.95	22.18	21.91	22.3	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.84	22.14	21.89	22.3	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.93	22.15	21.97	22.3	0.0	

Part27Q n77_Ant_2_PC3 DS12 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Max Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1		18.38					
100	PI2 BPSK	1	137	18.37			19.3	0.0	
100	PI2 BPSK	1	271	18.29					
100	PI2 BPSK	135	0	18.24					
100	PI2 BPSK	135	66	18.27			19.3	0.0	
100	PI2 BPSK	135	138	18.04					
100	PI2 BPSK	270	0	18.18			19.3	0.0	
100	QPSK	1		18.51					
100	QPSK	1	137	18.47			19.3	0.0	
100	QPSK	1	271	18.49					
100	QPSK	135	0	18.32					
100	QPSK	135	66				19.3	0.0	
100	QPSK	135	138						
100	QPSK	270	0	18.28			19.3	0.0	
100	16QAM	1	1	18.36			19.3	0.0	
100	16QAM	1	1	18.35			19.3	0.0	
100	16QAM	1	1	18.48			19.3	1.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	18.17	19.17	18.31	19.3	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.24	19.21	18.35	19.3	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	18.20	19.09	18.38	19.3	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	18.32	19.12	18.32	19.3	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	18.18	19.08	18.38	19.3	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	18.21	19.17	18.31	19.3	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.33	19.12	18.38	19.3	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.29	19.09	18.44	19.3	0.0	

Part27Q n77_Ant_2_PC2 DS12 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Max Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1		21.37					
100	PI2 BPSK	1	137	21.36			22.3	0.0	
100	PI2 BPSK	1	271	21.34					
100	PI2 BPSK	156	0	21.32			22.3	0.0	
100	PI2 BPSK	156	136	21.30			22.3	0.0	
100	PI2 BPSK	271	0	21.28			22.3	0.0	
100	PI2 BPSK	271	136	21.26			22.3	0.0	
100	QPSK	1	137	21.36			22.3	0.0	
100	QPSK	1	271	21.34					
100	QPSK	156	0	21.32			22.3	0.0	
100	QPSK	156	136	21.30			22.3	0.0	
100	QPSK	271	0	21.28			22.3	0.0	
100	QPSK	271	136	21.26			22.3	0.0	
100	SSB4QAM	1		20.49			22.3	1.6	
100	SSB4QAM	1		20.51			22.3	1.6	
Channel									
Frequency (MHz)									
50	QPSK	1		22.00	22.00	21.85	22.3	0.0	MPR
50	QPSK	1		21.88	21.88	21.85	22.3	0.0	MPR
50	QPSK	1		21.76	21.76	21.71	22.3	0.0	MPR
50	QPSK	1		21.64	21.64	21.61	22.3	0.0	MPR
Frequency (MHz)									
50	QPSK	1		21.52	21.52	21.49	22.3	0.0	MPR
50	QPSK	1		21.40	21.40	21.37	22.3	0.0	MPR
50	QPSK	1		21.28	21.28	21.25	22.3	0.0	MPR
50	QPSK	1		21.16	21.16	21.13	22.3	0.0	MPR
50	QPSK	1		21.04	21.04	21.01	22.3	0.0	MPR
50	QPSK	1		20.92	20.92	20.89	22.3	0.0	MPR
50	QPSK	1		20.80	20.80	20.77	22.3	0.0	MPR
50	QPSK	1		20.68	20.68	20.65	22.3	0.0	MPR
50	QPSK	1		20.56	20.56	20.53	22.3	0.0	MPR
50	QPSK	1		20.44	20.44	20.41	22.3	0.0	MPR
50	QPSK	1		20.32	20.32	20.29	22.3	0.0	MPR
50	QPSK	1		20.20	20.20	20.17	22.3	0.0	MPR
50	QPSK	1		20.08	20.08	20.05	22.3	0.0	MPR
50	QPSK	1		19.96	19.96	19.93	22.3	0.0	MPR
50	QPSK	1		19.84	19.84	19.81	22.3	0.0	MPR
50	QPSK	1		19.72	19.72	19.69	22.3	0.0	MPR
50	QPSK	1		19.60	19.60	19.57	22.3	0.0	MPR
50	QPSK	1		19.48	19.48	19.45	22.3	0.0	MPR
50	QPSK	1		19.36	19.36	19.33	22.3	0.0	MPR
50	QPSK	1		19.24	19.24	19.21	22.3	0.0	MPR
50	QPSK	1		19.12	19.12	19.09	22.3	0.0	MPR
50	QPSK	1		19.00	19.00	18.97	22.3	0.0	MPR
50	QPSK	1		18.88	18.88	18.85	22.3	0.0	MPR
50	QPSK	1		18.76	18.76	18.73	22.3	0.0	MPR
50	QPSK	1		18.64	18.64	18.61	22.3	0.0	MPR
50	QPSK	1		18.52	18.52	18.49	22.3	0.0	MPR
50	QPSK	1		18.40	18.40	18.37	22.3	0.0	MPR
50	QPSK	1		18.28	18.28	18.25	22.3	0.0	MPR
50	QPSK	1		18.16	18.16	18.13	22.3	0.0	MPR
50	QPSK	1		18.04	18.04	18.01	22.3	0.0	MPR
50	QPSK	1		17.92	17.92	17.89	22.3	0.0	MPR
50	QPSK	1		17.80	17.80	17.77	22.3	0.0	MPR
50	QPSK	1		17.68	17.68	17.65	22.3	0.0	MPR
50	QPSK	1		17.56	17.56	17.53	22.3	0.0	MPR
50	QPSK	1		17.44	17.44	17.41	22.3	0.0	MPR
50	QPSK	1		17.32	17.32	17.29	22.3	0.0	MPR
50	QPSK	1		17.20	17.20	17.17	22.3	0.0	MPR
50	QPSK	1		17.08	17.08	17.05	22.3	0.0	MPR
50	QPSK	1		16.96	16.96	16.93	22.3	0.0	MPR
50	QPSK	1		16.84	16.84	16.81	22.3	0.0	MPR
50	QPSK	1		16.72	16.72	16.69	22.3	0.0	MPR
50	QPSK	1		16.60	16.60	16.57	22.3	0.0	MPR
50	QPSK	1		16.48	16.48	16.45	22.3	0.0	MPR
50	QPSK	1		16.36	16.36	16.33	22.3	0.0	MPR
50	QPSK	1		16.24	16.24	16.21	22.3	0.0	MPR
50	QPSK	1		16.12	16.12	16.09	22.3	0.0	MPR
50	QPSK	1		16.00	16.00	15.97	22.3	0.0	MPR
50	QPSK	1		15.88	15.88	15.85	22.3	0.0	MPR
50	QPSK	1		15.76	15.76	15.73	22.3	0.0	MPR
50	QPSK	1		15.64	15.64	15.61	22.3	0.0	MPR
50	QPSK	1		15.52	15.52	15.49	22.3	0.0	MPR
50	QPSK	1		15.40	15.40	15.37	22.3	0.0	MPR
50	QPSK	1		15.28	15.28	15.25	22.3	0.0	MPR
50	QPSK	1		15.16	15.16	15.13	22.3	0.0	MPR
50	QPSK	1		15.04	15.04	15.01	22.3	0.0	MPR
50	QPSK	1		14.92	14.92	14.89	22.3	0.0	MPR
50	QPSK	1		14.80	14.80	14.77	22.3	0.0	MPR
50	QPSK	1		14.68	14.68	14.65	22.3	0.0	MPR
50	QPSK	1		14.56	14.56	14.53	22.3	0.0	MPR
50	QPSK	1		14.44	14.44	14.41	22.3	0.0	MPR
50	QPSK	1		14.32	14.32	14.29	22.3	0.0	MPR
50	QPSK	1		14.20	14.20	14.17	22.3	0.0	MPR
50	QPSK	1		14.08	14.08	14.05	22.3	0.0	MPR
50	QPSK	1		13.96	13.96	13.93	22.3	0.0	MPR
50	QPSK	1		13.84	13.84	13.81	22.3	0.0	MPR
50	QPSK	1		13.72	13.72	13.69	22.3	0.0	MPR
50	QPSK	1		13.60	13.60	13.57	22.3	0.0	MPR
50	QPSK	1		13.48	13.48	13.45	22.3	0.0	MPR
50	QPSK	1		13.36	13.36	13.33	22.3	0.0	MPR
50	QPSK	1		13.24	13.24	13.21	22.3	0.0	MPR
50	QPSK	1		13.12	13.12	13.09	22.3	0.0	MPR
50	QPSK	1		13.00	13.00	12.97	22.3	0.0	MPR
50	QPSK	1		12.88	12.88	12.85	22.3	0.0	MPR
50	QPSK	1		12.76	12.76	12.73	22.3	0.0	MPR
50	QPSK	1		12.64	12.64	12.61	22.3	0.0	MPR
50	QPSK	1		12.52	12.52	12.49	22.3	0.0	MPR
50	QPSK	1		12.40	12.40	12.37	22.3	0.0	MPR
50	QPSK	1		12.28	12.28	12.25	22.3	0.0	MPR
50	QPSK	1		12.16	12.16	12.13	22.3	0.0	MPR
50	QPSK	1		12.04	12.04	12.01	22.3	0.0	MPR
50	QPSK	1		11.92	11.92	11.89	22.3	0.0	MPR
50	QPSK	1		11.80	11.80	11.77	22.3	0.0	MPR
50	QPSK	1		11.68	11.68	11.65	22.3	0.0	MPR
50	QPSK	1		11.56	11.56	11.53	22.3	0.0	MPR
50	QPSK	1		11.44	11.44	11.41	22.3	0.0	MPR
50	QPSK	1		11.32	11.32	11.29	22.3	0.0	MPR
50	QPSK	1		11.20	11.20	11.17	22.3	0.0	MPR
50	QPSK	1		11.08	11.08	11.05	22.3	0.0	MPR
50	QPSK	1		10.96	10.96	10.93	22.3	0.0	MPR
50	QPSK	1		10.84	10.84	10.81	22.3	0.0	MPR
50	QPSK	1		10.72	10.72	10.69	22.3	0.0	MPR
50	QPSK	1		10.60	10.60	10.57	22.3	0.0	MPR
50	QPSK	1		10.48	10.48	10.45	22.3	0.0	MPR
50	QPSK	1		10.36	10.36	10.33	22.3	0.0	MPR
50	QPSK	1		10.24	10.24	10.21	22.3	0.0	MPR
50	QPSK	1		10.12	10.12	10.09	22.3	0.0	MPR
50	QPSK	1		10.00	10.00	9.97	22.3	0.0	MPR
50	QPSK	1		9.88	9.88	9.85	22.3	0.0	MPR
50	QPSK	1		9.76	9.76	9.73	22.3	0.0	MPR
50	QPSK	1		9.64	9.64	9.61	22.3	0.0	MPR
50	QPSK	1		9.52	9.52	9.49	22.3	0.0	MPR
50	QPSK	1		9.40	9.40	9.37	22.3	0.0	MPR
50	QPSK	1		9.28	9.28	9.25	22.3	0.0	MPR
50	QPSK	1		9.16	9.16	9.13	22.3	0.0	MPR
50	QPSK	1		9.04	9.04	9.01	22.3	0.0	MPR
50	QPSK	1		8.92	8.92	8.89	22.3	0.0	MPR
50	QPSK	1		8.80	8.80	8.77	22.3	0.0	MPR
50	QPSK	1		8.68	8.68	8.65	22.3	0.0	MPR
50	QPSK	1		8.56	8.56	8.53	22.3	0.0	MPR
50	QPSK	1		8.44	8.44	8.41	22.3	0.0	MPR
50	QPSK	1		8.32	8.32	8.29	22.3	0.0	MPR
50	QPSK	1		8.20	8.20	8.17	22.3	0.0	MPR
50	QPSK	1		8.08	8.08	8.05	22.3	0.0	MPR
50	QPSK	1		7.96	7.96	7.93	22.3	0.0	MPR
50	QPSK	1		7.84	7.84	7.81	22.3	0.0	MPR
50	QPSK	1		7.72	7.72	7.69	22.3	0.0	MPR
50	QPSK	1		7.60	7.60	7.57	22.3	0.0	MPR
50	QPSK	1		7.48	7.48	7.45	22.3	0.0	MPR
50	QPSK	1		7.36	7.36	7.33	22.3	0.0	MPR
50	QPSK	1		7.24	7.24	7.21	22.3	0.0	MPR
50	QPSK	1		7.12	7.12	7.09	22.3	0.0	MPR
50	QPSK	1		7.00	7.00	6.97	22.3	0.0	MPR
50	QPSK	1		6.88	6.88	6.85	22.3	0.0	MPR
50	QPSK	1		6.76	6.76	6.73	22.3	0.0	MPR
50	QPSK	1		6.64	6.64	6.61	22.3	0.0	MPR
50	QPSK	1		6.52	6.52	6.49	22.3	0.0	MPR
50	QPSK	1		6.40	6.40	6.37	22.3	0.0	MPR
50	QPSK	1		6.28	6.28	6.25	22.3	0.0	MPR
50	QPSK	1		6.16	6.16	6.13	22.3	0.0	MPR
50	QPSK	1		6.04	6.04	6.01	22.3	0.0	MPR
50	QPSK	1		5.92	5.92	5.89	22.3	0.0	MPR

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

Part27Q n78_Ant_2_PC3 DS12 Simultaneous								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Mains Ch. (Frac.)	Power High Ch. (Frac.)	Tune-up time (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2-BPSK	1	1		18.36			
100	PI2-BPSK	1	137		18.37		19.3	0.0
100	PI2-BPSK	1	271		18.27			
100	PI2-BPSK	135	0		18.22		19.3	0.0
100	PI2-BPSK	135	0		18.25		19.3	0.0
100	PI2-BPSK	135	136		18.02		19.3	0.0
100	PI2-BPSK	270	0		18.17			
100	QPSK	1	1		18.05			
100	QPSK	1	137		18.45		19.3	0.0
100	QPSK	1	271		18.47			
100	QPSK	135	0		18.30		19.3	0.0
100	QPSK	135	0		18.24		19.3	0.0
100	QPSK	135	136		18.24		19.3	0.0
100	QPSK	270	0		18.24			
100	SSB-QAM	1	1		18.06		19.3	0.0
100	SSB-QAM	1	1		18.33		18.8	0.5
100	SSB-QAM	1	1		18.44		18.8	2.5
Channel								
Frequency (MHz)								
50	QPSK	1	1		18.50	18.80	18.70	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1		18.71	18.45	18.70	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1		18.47	18.72	18.64	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1		18.74	18.50	18.70	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1		18.82	18.72	18.59	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1		18.40	18.61	18.50	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1		18.63	18.86	18.80	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1		18.50	18.71	18.70	0.0



Par27Q n77 Ant7_PC3 DS12 Standalone&Simultaneous

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Max Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)
Channel								
Frequency [MHz]								
100	PI2 BPSK	1	1	22.54	22.55	22.42		
100	PI2 BPSK	1	137	22.29	22.39	22.40	24.0	0.0
100	PI2 BPSK	1	271	22.40	22.50	22.34		
100	PI2 BPSK	135	0	22.25	22.45	22.20	24.0	0.0
100	PI2 BPSK	135	66	22.37	22.56	22.32	24.0	0.0
100	PI2 BPSK	135	138	22.29	22.36	22.25	24.0	0.0
100	PI2 BPSK	270	0	22.36	22.44	22.22		
100	QPSK	1	1	22.54	22.55	22.50		
100	QPSK	1	137	22.52	22.41	22.41	24.0	0.0
100	QPSK	1	271	22.50	22.60	22.53		
100	QPSK	135	0	22.28	22.43	22.23	24.0	0.0
100	QPSK	135	66	22.39	22.46	22.29	24.0	0.0
100	QPSK	135	138	22.29	22.38	22.14	24.0	0.0
100	QPSK	270	0	22.12	22.17	22.08		
100	16QAM	1	1	22.46	22.46	22.46	24.0	0.0
100	16QAM	1	1	21.70	21.62	21.62	23.0	1.0
100	256QAM	1	1	18.96	18.90	18.91	21.0	0.0
Channel								
Frequency [MHz]								
80	QPSK	1	1	22.49	22.53	22.45	24.0	0.0
Channel								
Frequency [MHz]								
80	QPSK	1	1	22.37	22.34	22.29	24.0	0.0
Channel								
Frequency [MHz]								
70	QPSK	1	1	22.54	22.62	22.57	24.0	0.0
Channel								
Frequency [MHz]								
80	QPSK	1	1	22.48	22.71	22.50	24.0	0.0
Channel								
Frequency [MHz]								
80	QPSK	1	1	22.44	22.68	22.59	24.0	0.0
Channel								
Frequency [MHz]								
80	QPSK	1	1	22.50	22.56	22.50	24.0	0.0
Channel								
Frequency [MHz]								
30	QPSK	1	1	22.55	22.56	22.44	24.0	0.0
Channel								
Frequency [MHz]								
20	QPSK	1	1	22.58	22.68	22.51	24.0	0.0

Par27Q n77 Ant7_PC2 DS12 Standalone&Simultaneous

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Max Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)
Channel								
Frequency [MHz]								
100	PI2 BPSK	1	1	25.48	25.57	25.39		
100	PI2 BPSK	1	137	25.48	25.46	25.35	27.0	0.0
100	PI2 BPSK	1	271	25.35	25.52	25.38		
100	PI2 BPSK	135	0	24.89	25.07	25.03	27.0	0.0
100	PI2 BPSK	135	66	25.30	25.39	25.23	27.0	0.0
100	PI2 BPSK	135	138	25.25	25.34	25.26	27.0	0.0
100	PI2 BPSK	270	0	25.27	25.33	25.27	27.0	0.0
100	QPSK	1	1	25.65	25.65	25.60		
100	QPSK	1	137	25.45	25.45	25.37	27.0	0.0
100	QPSK	1	271	25.25	25.37	25.35		
100	QPSK	135	0	25.39	25.41	25.38	27.0	0.0
100	QPSK	135	66	25.42	25.46	25.39	27.0	0.0
100	QPSK	135	138	25.15	25.16	25.12	27.0	0.0
100	QPSK	270	0	25.21	25.37	25.23	27.0	0.0
100	16QAM	1	1	25.25	25.35	25.26	27.0	0.0
100	16QAM	1	1	23.07	23.28	23.06	25.0	2.0
100	256QAM	1	1	20.81	21.10	21.01	23.0	4.0
Channel								
Frequency [MHz]								
80	QPSK	1	1	25.66	25.56	25.49	27.0	0.0
Channel								
Frequency [MHz]								
80	QPSK	1	1	25.60	25.50	25.49	27.0	0.0
Channel								
Frequency [MHz]								
70	QPSK	1	1	25.48	25.60	25.50	27.0	0.0
Channel								
Frequency [MHz]								
80	QPSK	1	1	25.43	25.53	25.42	27.0	0.0
Channel								
Frequency [MHz]								
80	QPSK	1	1	25.68	25.57	25.49	27.0	0.0
Channel								
Frequency [MHz]								
80	QPSK	1	1	25.58	25.67	25.40	27.0	0.0
Channel								
Frequency [MHz]								
30	QPSK	1	1	25.53	25.58	25.48	27.0	0.0
Channel								
Frequency [MHz]								
20	QPSK	1	1	25.53	25.55	25.44	27.0	0.0

Par27Q n77_Ant 7_PC3 DS12 Standalone&Simultaneous

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Max Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)
Channel								
Frequency [MHz]								
100	PI2 BPSK	1	1	22.50	22.51	22.40		
100	PI2 BPSK	1	137	22.49	22.49	22.40	24.0	0.0
100	PI2 BPSK	1	271	22.50	22.50	22.39		
100	PI2 BPSK	135	0	22.34	22.34	22.24	24.0	0.0
100	PI2 BPSK	135	66	22.29	22.29	22.20	24.0	0.0
100	PI2 BPSK	135	138	22.29	22.29	22.20	24.0	0.0
100	PI2 BPSK	270	0	22.36	22.36	22.26	24.0	0.0
100	QPSK	1	1	22.51	22.51	22.41		
100	QPSK	1	137	22.41	22.41	22.30	24.0	0.0
100	QPSK	1	271	22.53	22.53	22.43		
100	QPSK	135	0	22.41	22.41	22.31	24.0	0.0
100	QPSK	135	66	22.42	22.42	22.31	24.0	0.0
100	QPSK	135	138	22.25	22.25	22.15	24.0	0.0
100	QPSK	270	0	22.25	22.25	22.15	24.0	0.0
100	16QAM	1	1	22.45	22.45	22.35	23.0	0.0
100	16QAM	1	1	21.61	21.61	21.50	1.0	
100	256QAM	1	1	18.43	18.43	18.30	3.0	
Channel								
Frequency [MHz]								
90	QPSK	1	1	22.45	22.54	22.51	24.0	0.0
Channel								
Frequency [MHz]								
80	QPSK	1	1	22.48	22.54	22.45	24.0	0.0
Channel								
Frequency [MHz]								
70	QPSK	1	1	22.41	22.59	22.50	24.0	0.0
Channel								
Frequency [MHz]								
80	QPSK	1	1	22.53	22.69	22.52	24.0	0.0
Channel								
Frequency [MHz]								
90	QPSK	1	1	22.51	22.69	22.58	24.0	0.0
Channel								
Frequency [MHz]								
80	QPSK	1	1	22.38	22.54	22.36	24.0	0.0
Channel								
Frequency [MHz]								
30	QPSK	1	1	22.41	22.42	22.34	24.0	0.0
Channel								
Frequency [MHz]								
20	QPSK	1	1	22.44	22.52	22.39	24.0	0.0

Par27Q n77_Ant 7_PC2 DS12 Standalone&Simultaneous

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Max Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)
Channel								
Frequency [MHz]								
100	PI2 BPSK	1	1	25.58	25.58	25.48		
100	PI2 BPSK	1	137	25.44	25.44	25.34	27.0	0.0
100	PI2 BPSK	1	271	25.34	25.48	25.35		
100	PI2 BPSK	135	0	24.97	25.07	24.97	26.0	0.0
100	PI2 BPSK	135	66	25.21	25.21	25.11	27.0	0.0
100	PI2 BPSK	135	138	24.73	24.73	24.63	26.0	0.0
100	PI2 BPSK	270	0	24.84	24.84	24.74	26.0	0.0
100	QPSK	1	1	25.65	25.65	25.55		
100	QPSK	1	137	25.50	25.50	25.40	27.0	0.0
100	QPSK	1	271	25.30	25.48	25.31		
100	QPSK	135	0	25.08	25.08	24.98	26.0	0.0
100	QPSK	135	66	25.08	25.08	24.98	26.0	0.0
100	QPSK	135	138	24.65	24.65	24.55	26.0	0.0
100	QPSK	270	0	24.76	24.76	24.66	26.0	0.0
100	16QAM	1	1	25.72	25.72	25.62		
100	16QAM	1	137	25.57	25.57	25.47	27.0	0.0
100	16QAM	1	271	25.37	25.55	25.38		
100	16QAM	135	0	24.99	25.09	24.99	26.0	0.0
100	16QAM	135	66	25.23	25.23	25.13	27.0	0.0
100	16QAM	135	138	24.75	24.75	24.65	26.0	0.0
100	16QAM	270	0	24.86	24.86	24.76	26.0	0.0
100	256QAM	1	1	26.00	26.00	25.90		
100	256QAM	1	137	25.85	25.85	25.75	27.0	0.0
100	256QAM	1	271	25.65	25.83	25.66		
100	256QAM	135	0	25.26	25.36	25.26	26.0	0.0
100	256QAM	135	66	25.26	25.26	25.16	27.0	0.0
100	256QAM	135	138	24.83	24.83	24.73	26.0	0.0
100	256QAM	270	0	24.94	24.94	24.84	26.0	0.0
60	Channel			833334	833334	833334	Turn-up time (dBm)	MPR
60	Frequency [MHz]			1455	1455	1455		
60	Modulation	1	1	833334	833334	833334	27.0	0.0
60	Channel			833334	833334	833334	Turn-up time (dBm)	MPR
60	Frequency [MHz]			1455	1455	1455		
60	Modulation	1	1	25.45	25.45	25.37	27.0	0.0
60	Channel			833334	833334	833334	Turn-up time (dBm)	MPR
60	Frequency [MHz]			1455	1455	1455		
60	Modulation	1	1	25.45	25.45	25.37	27.0	0.0
60	Channel			833334	833334	833334	Turn-up time (dBm)	MPR
60	Frequency [MHz]			1455	1455	1455		
60	Modulation	1	1	25.45	25.45	25.37	27.0	0.0
60	Channel			833334	833334	833334	Turn-up time (dBm)	MPR
60	Frequency [MHz]			1455	1455	1455		
60	Modulation	1	1	25.45	25.45	25.37	27.0	0.0
60	Channel			833334	833334	833334	Turn-up time (dBm)	MPR
60	Frequency [MHz]			1455	1455	1455		
60	Modulation	1	1	25.45	25.45	25.37	27.0	0.0
60	Channel			833334	833334	833334	Turn-up time (dBm)	MPR
60	Frequency [MHz]			1455	1455	1455		
60	Modulation	1	1	25.45	25.45	25.37	27.0	0.0
60	Channel			833334	833334	833334	Turn-up time (dBm)	MPR
60	Frequency [MHz]			1455	1455	1455		
60	Modulation	1	1	25.45	25.45	25.37	27.0	0.0
60	Channel			833334	833334	833334	Turn-up time (dBm)	MPR
60	Frequency [MHz]			1455	1455	1455		
60	Modulation	1	1	25.45	25.45	25.37	27.0	0.0
60	Channel			833334	833334	833334	Turn-up time (dBm)	MPR
60	Frequency [MHz]			1455	1455	1455		
60	Modulation	1	1	25.45	25.45	25.37	27.0	0.0
60	Channel			833334	833334	833334	Turn-up time (dBm)	MPR
60	Frequency [MHz]			1455	1455	1455		
60	Modulation	1	1	25.45	25.45	25.37	27.0	0.0
60	Channel			833334	833334	833334	Turn-up time (dBm)	MPR
60	Frequency [MHz]			1455	1455	1455		
60	Modulation	1	1	25.45	25.45	25.37	27.0	0.0
60	Channel			833334	833334	833334	Turn-up time (dBm)	MPR
60	Frequency [MHz]			1455	1455	1455		
60	Modulation	1	1	25.45	25.45	25.37	27.0	0.0
60	Channel			833334	833334	833334	Turn-up time (dBm)	MPR
60	Frequency [MHz]			1455	1455	1455		
60	Modulation	1	1	25.45	25.45	25.37	27.0	0.0
60	Channel			833334	833334	833334	Turn-up time (dBm)	MPR
60	Frequency [MHz]			1455	1455	1455		
60	Modulation	1	1	25.45	25.45	25.37	27.0	0.0
60	Channel			833334	833334	833334	Turn-up time (dBm)	MPR
60	Frequency [MHz]			1455	1455	1455		
60	Modulation	1	1	25.45	25.45	25.37	27.0	0.0
60	Channel			833334	833334	833334	Turn-up time (dBm)	MPR
60	Frequency [MHz]			1455	1455	1455		
60	Modulation	1	1	25.45	25.45	25.37	27.0	0.0
60	Channel			833334	833334	833334	Turn-up time (dBm)	MPR
60	Frequency [MHz]			1455	1455	1455		
60	Modulation	1	1	25.45	25.45	25.37	27.0	0.0
60	Channel			833334	833334	833334	Turn-up time (dBm)	MPR
60	Frequency [MHz]			1455	1455	1455		
60	Modulation	1	1	25.45	25.45	25.37	27.0	0.0
60	Channel			833334	833334	833334	Turn-up time (dBm)	MPR
60	Frequency [MHz]			1455	1455	1455		
60	Modulation	1	1	25.45	25.45	25.37	27.0	0.0
60	Channel			833334	833334	833334	Turn-up time (dBm)	MPR
60	Frequency [MHz]			1455	1455	1455		
60	Modulation	1	1	25.45	25.45	25.37	27.0	0.0
60	Channel			833334	833334	833334	Turn-up time (dBm)	MPR
60	Frequency [MHz]			1455	1455	1455		
60	Modulation	1	1	25.45	25.45	25.37	27.0	0.0
60	Channel			833334	833334	833334	Turn-up time (dBm)	MPR
60	Frequency [MHz]			1455	1455	1455		
60	Modulation	1	1	25.45	25.45	25.37	27.0	0.0
60	Channel			833334	833334	833334	Turn-up time (dBm)	MPR
60	Frequency [MHz]			1455	1455	1455		
60	Modulation	1	1	25.45	25.45	25.37	27.0	0.0
60	Channel			833334	833334	833334	Turn-up time (dBm)	MPR
60	Frequency [MHz]			1455	1455	1455		
60	Modulation	1	1	25.45	25.45	25.37	27.0	0.0
60	Channel			833334	833334	833334	Turn-up time (dBm)	MPR
60	Frequency [MHz]			1455	1455	1455		
60	Modulation	1	1	25.45	25.45	25.37	27.0	0.0
60	Channel			833334	833334	833334	Turn-up time (dBm)	MPR
60	Frequency [MHz]			1455	1455	1455		
60	Modulation	1	1	25.45	25.45	25.37	27.0	0.0
60	Channel			833334	833334	833334	Turn-up time (dBm)	MPR
60	Frequency [MHz]			1455	1455	1455		
60	Modulation	1	1	25.45	25.45	25.37	27.0	0.0
60	Channel			833334	833334	833334	Turn-up time (dBm)	MPR
60	Frequency [MHz]			1455	1455	1455		
60	Modulation	1	1	25.45	25.45	25.37	27.0	0.0
60	Channel			833334	833334	833334	Turn-up time (dBm)	MPR
60	Frequency [MHz]			1455	1455	1455		
60	Modulation	1	1	25.45	25.45	25.37	27.0	0.0
60	Channel			833334	833334	833334	Turn-up time (dBm)	MPR
60	Frequency [MHz]			1455	1455	1455		
60	Modulation	1	1	25.45	25.45	25.37	27.0	0.0
60	Channel			833334	833334	833334	Turn-up time (dBm)	MPR
60	Frequency [MHz]			1455	1455	1455		
60	Modulation	1	1	25.45	25.45	25.37	27.0	0.0
60	Channel			833334	833334	833334	Turn-up time (dBm)	MPR
60	Frequency [MHz]			1455	1455	1455		
60	Modulation	1	1	25.45	25.45	25.37	27.0	0.0
60	Channel			833334	833334	833334	Turn-up time (dBm)	MPR
60	Frequency [MHz]			1455	1455	1455		
60	Modulation	1	1	25.45	25.45	25.37	27.0	0.0
60	Channel			833334	833334	833334	Turn-up time (dBm)	MPR
60	Frequency [MHz]			1455	1455	1455		
60	Modulation	1	1	25.45	25.45	25.37	27.0	0.0
60	Channel			833334	833334	833334	Turn-up time (dBm)	MPR
60	Frequency [MHz]			1455	1455	1455		
60	Modulation	1	1	25.45	25.45	25.37	27.0	0.0
60	Channel			833334	833334	833334	Turn-up time (dBm)	MPR
60	Frequency [MHz]			1455	1455	1455		
60	Modulation	1	1	25.45	25.45	25.37	27.0	0.0
60	Channel			833334	833334	833334	Turn-up time (dBm)	MPR
60	Frequency [MHz]			1455	1455	1455		
60	Modulation	1	1	25.45	25.45	25.37	27.0	0.0
60	Channel			833334	833334	833334	Turn-up time (dBm)	MPR
60	Frequency [MHz]			1455	1455	1455		
60	Modulation	1	1	25.45	25.45	25.37	27.0	0.0
60	Channel			833334	833334	833334	Turn-up time (dBm)	MPR
60	Frequency [MHz]			1455	1455	1455		
60	Modulation	1	1	25.45	25.45	25.37	27.0	0.0
60	Channel			833334	833334	833334	Turn-up time (dBm)	MPR
60	Frequency [MHz]			1455	1455	1455		
60	Modulation	1	1	25.45	25.45	25.37	27.0	0.0
60	Channel			833334	833334	833334	Turn-up time (dBm)	MPR
60	Frequency [MHz]			1455	1455	1455		
60	Modulation	1	1	25.45	25.45	25.37	27.0	0.0
60	Channel			833334	833334	833334	Turn-up time (dBm)	MPR
60	Frequency [MHz]			1455	1455	1455		
60	Modulation	1	1	25.45	25.45	25.37	27.0	0.0
60	Channel			833334	833334	833334	Turn-up time (dBm)	MPR
60	Frequency [MHz]			1455	1455	1455		
60	Modulation	1	1	25.45	25.45	25.37	27.0	0.0
60	Channel			833334	833334	833334	Turn-up time (dBm)	MPR
60	Frequency [MHz]			1455	1455	1455		
60	Modulation	1	1	25.45	25.45	25.37	27.0	0.0
60	Channel			833334	833334	833334	Turn-up time (dBm)	MPR
60	Frequency [MHz]			1455	1455	1455		
60	Modulation	1	1	25.45	25.45	25.37	27.0	0.0
60	Channel			833334	833334	833334	Turn-up time (dBm)	MPR
60	Frequency [MHz]			1455	1455	1455		

Part270 n78 Ant7_PC3 DS12 Standalone&Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Max Ch.1 Freq.	Power High Ch.1 Freq.	Time-up time (dBm)	MPR (dB)	
Channel				849856	850000	850144			
Frequency (MHz)				3150	3150	3150			
100	PI-C BPSK	1	1		22.85				
100	PI-C BPSK	1	137		22.39		24.0	0.0	
100	PI-C BPSK	1	271		22.81				
100	PI-C BPSK	135	0		22.43		23.5	0.0	
100	PI-C BPSK	135	86		22.60		23.5	0.0	
100	PI-C BPSK	135	138		22.04		23.5	0.0	
100	PI-C BPSK	270	0		22.18				
100	QPSK	1	1		22.75				
100	QPSK	1	137		22.85		24.0	0.0	
100	QPSK	1	271		22.47				
100	QPSK	135	0		22.74		23.0	1.0	
100	QPSK	135	86		22.66		23.0	1.0	
100	QPSK	135	138		21.58		23.0	1.0	
100	QPSK	270	0		21.60				
100	16QAM	1	1		21.87		23.0	1.0	
100	16QAM	1	1		20.38		21.5	2.5	
100	16QAM	1	1		18.26		18.5	4.5	
Channel				849856	850000	850144	Time-up time (dB)	MPR	
Frequency (MHz)				849856	850000	850144			
80	QPSK	1	1		22.35	22.71	22.01	24.0	0.0
Channel				849334	850000	850666	Time-up time (dB)	MPR	
Frequency (MHz)				849334	850000	850666			
80	QPSK	1	1		22.47	22.67	22.01	24.0	0.0
Channel				849000	850000	851000	Time-up time (dB)	MPR	
Frequency (MHz)				849000	850000	851000			
70	QPSK	1	1		22.44	22.70	22.05	24.0	0.0
Channel				848800	850000	851200	Time-up time (dB)	MPR	
Frequency (MHz)				848800	850000	851200			
80	QPSK	1	1		22.35	22.61	22.00	24.0	0.0
Channel				848334	850000	851666	Time-up time (dB)	MPR	
Frequency (MHz)				848334	850000	851666			
80	QPSK	1	1		22.36	22.54	22.00	24.0	0.0
Channel				848000	850000	852000	Time-up time (dB)	MPR	
Frequency (MHz)				848000	850000	852000			
80	QPSK	1	1		22.40	22.63	22.40	24.0	0.0
Channel				847111	850000	851111	Time-up time (dB)	MPR	
Frequency (MHz)				847111	850000	851111			
90	QPSK	1	1		22.07	22.50	22.07	24.0	0.0
Channel				845334	850000	854666	Time-up time (dB)	MPR	
Frequency (MHz)				845334	850000	854666			
20	QPSK	1	1		22.49	22.56	22.50	24.0	0.0

Part270 n78_FCC Ant 7_PC3 DS12 Standalone&Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Max Ch.1 Freq.	Power High Ch.1 Freq.	Time-up time (dBm)	MPR (dB)	
Channel				833334	833334	833334			
Frequency (MHz)				833334	833334	833334			
100	PI-C BPSK	1	1		22.51				
100	PI-C BPSK	1	137		22.38		24.0	0.0	
100	PI-C BPSK	1	271		22.77				
100	PI-C BPSK	135	0		22.48		23.5	0.0	
100	PI-C BPSK	135	86		22.47		23.5	0.0	
100	PI-C BPSK	135	138		21.87		23.5	0.0	
100	PI-C BPSK	270	0		22.14				
100	QPSK	1	1		22.85				
100	QPSK	1	137		22.51		24.0	0.0	
100	QPSK	1	271		22.47				
100	QPSK	135	0		22.83		23.0	1.0	
100	QPSK	135	86		22.80		23.0	1.0	
100	QPSK	135	138		21.50		23.0	1.0	
100	QPSK	270	0		21.50				
100	16QAM	1	1		21.80		23.0	1.0	
100	16QAM	1	1		20.23		21.5	2.5	
100	16QAM	1	1		18.00		18.5	4.5	
Channel				832334	833334	834334	Time-up time (dB)	MPR	
Frequency (MHz)				832334	833334	834334			
80	QPSK	1	1		22.40	22.57	22.40	24.0	0.0
Channel				832000	833334	834666	Time-up time (dB)	MPR	
Frequency (MHz)				832000	833334	834666			
80	QPSK	1	1		22.46	22.65	22.01	24.0	0.0
Channel				831534	833334	835166	Time-up time (dB)	MPR	
Frequency (MHz)				831534	833334	835166			
70	QPSK	1	1		22.42	22.60	22.01	24.0	0.0
Channel				831334	833334	835366	Time-up time (dB)	MPR	
Frequency (MHz)				831334	833334	835366			
80	QPSK	1	1		22.44	22.53	22.40	24.0	0.0
Channel				831000	833334	835666	Time-up time (dB)	MPR	
Frequency (MHz)				831000	833334	835666			
80	QPSK	1	1		22.45	22.54	22.07	24.0	0.0
Channel				830834	833334	835834	Time-up time (dB)	MPR	
Frequency (MHz)				830834	833334	835834			
80	QPSK	1	1		22.47	22.50	22.40	24.0	0.0
Channel				830111	833334	836111	Time-up time (dB)	MPR	
Frequency (MHz)				830111	833334	836111			
90	QPSK	1	1		22.44	22.49	22.07	24.0	0.0
Channel				829334	833334	836666	Time-up time (dB)	MPR	
Frequency (MHz)				829334	833334	836666			
20	QPSK	1	1		22.54	22.60	22.50	24.0	0.0



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

n5 Ant0 DSI3 standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				168800	167300	167800			
Frequency (MHz)				83.1	836.5	839			
20	Pi2 BPSK	1	1	22.62	22.63	22.65			
20	Pi2 BPSK	1	53	22.62	22.63	22.54	24.0	0.0	
20	Pi2 BPSK	1	104	22.46	22.60	22.41			
20	Pi2 BPSK	50	0	22.50	22.55	22.49	24.0	0.0	
20	Pi2 BPSK	50	26	22.64	22.67	22.55	24.0	0.0	
20	Pi2 BPSK	50	56	22.50	22.56	22.41			
20	Pi2 BPSK	100	0	22.45	22.84	22.60	24.0	0.0	
20	QPSK	1	1	22.63	22.75	22.67			
20	QPSK	1	53	22.42	22.62	22.44	24.0	0.0	
20	QPSK	1	104	22.47	22.60	22.35			
20	QPSK	50	0	22.49	22.58	22.41	24.0	0.0	
20	QPSK	50	26	22.62	22.66	22.63	24.0	0.0	
20	QPSK	50	56	22.50	22.57	22.43			
20	QPSK	100	0	22.43	22.62	22.42	24.0	0.0	
20	16QAM	1	1	22.59	22.61	22.52	24.0	0.0	
20	16QAM	1	1	21.73	21.91	21.72	22.5	1.5	
20	256QAM	1	1	19.04	19.09	19.52	20.5	3.5	
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR	
Frequency (MHz)				831.5	836.5	841.5	(dBm)	(dB)	
15	QPSK	1	1	22.48	22.54	22.39	24.0	0.0	
Channel				168800	167300	168800	Tune-up limit (dBm)	MPR	
Frequency (MHz)				829	836.5	844	(dBm)	(dB)	
10	QPSK	1	1	22.46	22.51	22.47	24.0	0.0	
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR	
Frequency (MHz)				826.5	836.5	846.5	(dBm)	(dB)	
5	QPSK	1	1	22.50	22.45	22.42	24.0	0.0	

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



n2 Ant0 DSI3 simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000			
Frequency (MHz)				1860	1880	1900			
20	Plv2 BPSK	1	1	14.40	14.43	14.43		15.7	0.0
20	Plv2 BPSK	1	53	14.35	14.45	14.36			
20	Plv2 BPSK	1	104	14.39	14.41	14.39			
20	Plv2 BPSK	50	0	14.27	14.39	14.34		15.7	0.0
20	Plv2 BPSK	50	26	14.38	14.38	14.31		15.7	0.0
20	Plv2 BPSK	50	56	14.28	14.42	14.37		15.7	0.0
20	Plv2 BPSK	100	0	14.28	14.40	14.35		15.7	0.0
20	QPSK	1	1	14.49	14.62	14.56		15.7	0.0
20	QPSK	1	53	14.32	14.43	14.33			
20	QPSK	1	104	14.33	14.39	14.33			
20	QPSK	50	0	14.29	14.38	14.36		15.7	0.0
20	QPSK	50	26	14.36	14.43	14.28		15.7	0.0
20	QPSK	50	56	14.25	14.37	14.28		15.7	0.0
20	QPSK	100	0	14.34	14.41	14.28		15.7	0.0
20	16QAM	1	1	14.48	14.57	14.44		15.7	0.0
20	64QAM	1	1	14.49	14.56	14.46		15.7	0.0
20	256QAM	1	1	14.38	14.47	14.45		15.7	0.0
Channel				371600	376000	380600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5	(dBm)		
15	QPSK	1	1	14.40	14.58	14.53		15.7	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1905	(dBm)		
10	QPSK	1	1	14.46	14.48	14.51		15.7	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1907.5	(dBm)		
5	QPSK	1	1	14.36	14.54	14.44		15.7	0.0

n5 Ant0 DSI3 simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				168800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	Plv2 BPSK	1	1	21.86	21.92	21.89		23.5	0.0
20	Plv2 BPSK	1	53	21.78	21.87	21.80			
20	Plv2 BPSK	1	104	21.66	21.84	21.81			
20	Plv2 BPSK	50	0	21.70	21.83	21.85		23.5	0.0
20	Plv2 BPSK	50	26	21.77	21.85	21.63		23.5	0.0
20	Plv2 BPSK	50	56	21.75	21.92	21.86		23.5	0.0
20	Plv2 BPSK	100	0	21.83	21.88	21.81		23.5	0.0
20	QPSK	1	1	21.97	22.07	21.93		23.5	0.0
20	QPSK	1	53	21.76	21.94	21.88			
20	QPSK	1	104	21.70	21.86	21.79			
20	QPSK	50	0	21.75	21.85	21.74		23.5	0.0
20	QPSK	50	26	21.87	21.86	21.78		23.5	0.0
20	QPSK	50	56	21.78	21.92	21.80		23.5	0.0
20	QPSK	100	0	21.88	21.91	21.82		23.5	0.0
20	16QAM	1	1	21.84	22.01	21.96		23.5	0.0
20	64QAM	1	1	21.95	21.97	21.89		23.0	0.5
20	256QAM	1	1	20.03	20.06	19.90		21.0	2.5
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5	(dBm)		
15	QPSK	1	1	21.68	21.90	21.63		23.5	0.0
Channel				168800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844	(dBm)		
10	QPSK	1	1	21.84	22.02	21.76		23.5	0.0
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5	(dBm)		
5	QPSK	1	1	21.89	21.96	21.81		23.5	0.0

n66 Ant0 DSI3 simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	Plv2 BPSK	1	1	15.33	15.38	15.35		16.7	0.0
40	Plv2 BPSK	1	108	15.26	15.31	15.23			
40	Plv2 BPSK	1	214	15.31	15.35	15.29			
40	Plv2 BPSK	108	0	15.22	15.34	15.23		16.7	0.0
40	Plv2 BPSK	108	44	15.31	15.41	15.31		16.7	0.0
40	Plv2 BPSK	108	108	15.29	15.34	15.25		16.7	0.0
40	Plv2 BPSK	216	0	15.26	15.33	15.29		16.7	0.0
40	QPSK	1	1	15.36	15.49	15.41		16.7	0.0
40	QPSK	1	108	15.24	15.33	15.20			
40	QPSK	1	214	15.25	15.30	15.20			
40	QPSK	108	0	15.30	15.37	15.35		16.7	0.0
40	QPSK	108	54	15.26	15.36	15.25		16.7	0.0
40	QPSK	108	108	15.35	15.31	15.34		16.7	0.0
40	QPSK	216	0	15.23	15.33	15.27		16.7	0.0
40	16QAM	1	1	15.36	15.41	15.28		16.7	0.0
40	64QAM	1	1	15.28	15.36	15.29		16.7	0.0
40	256QAM	1	1	15.23	15.32	15.22		16.7	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765	(dBm)		
30	QPSK	1	1	15.31	15.40	15.35		16.7	0.0
Channel				346000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1730	1745	1770	(dBm)		
20	QPSK	1	1	15.29	15.40	15.36		16.7	0.0
Channel				345000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)		
15	QPSK	1	1	15.23	15.38	15.38		16.7	0.0
Channel				345000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	(dBm)		
10	QPSK	1	1	15.27	15.36	15.29		16.7	0.0
Channel				345000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)		
5	QPSK	1	1	15.28	15.42	15.28		16.7	0.0



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

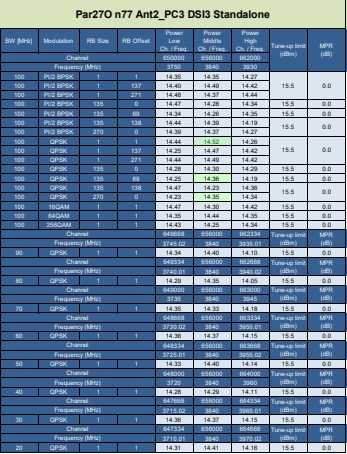
n5 Ant1 DSI3 standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	Pi2 BPSK	1	1	22.35	22.39	22.34			
20	Pi2 BPSK	1	53	22.25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

n66 Ant1 DSI3 standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	Pi2 BPSK	1	1	18.89	19.83	19.72			
40	Pi2 BPSK	1	108	18.83	19.98	19.81	20.0	0.0	
40	Pi2 BPSK	1	214	18.73	19.89	19.77			
40	Pi2 BPSK	108	0	18.88	19.93	19.76	20.0	0.0	
40	Pi2 BPSK	108	44	18.84	19.86	19.77	20.0	0.0	
40	Pi2 BPSK	108	108	18.85	19.95	19.86			
40	Pi2 BPSK	216	0	18.79	19.94	19.85	20.0	0.0	
40	QPSK	1	1	19.09	19.14	19.02			
40	QPSK	1	108	18.91	19.03	19.00	20.0	0.0	
40	QPSK	1	214	18.72	19.85	19.71			
40	QPSK	108	0	18.77	19.93	19.86	20.0	0.0	
40	QPSK	108	54	18.86	19.96	19.85	20.0	0.0	
40	QPSK	108	108	18.98	19.91	19.89			
40	QPSK	216	0	18.81	19.98	19.82	20.0	0.0	
40	16QAM	1	1	18.91	19.98	19.84	20.0	0.0	
40	16QAM	1	1	19.02	19.06	18.95	20.0	0.0	
40	256QAM	1	1	19.83	19.96	19.87	20.0	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)	
30	QPSK	1	1	18.96	19.06	18.92	20.0	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)	
20	QPSK	1	1	19.03	19.03	18.94	20.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)	
15	QPSK	1	1	19.03	19.07	18.86	20.0	0.0	
Channel				342000	349000	356000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)	
10	QPSK	1	1	18.93	19.05	18.94	20.0	0.0	
Channel				341000	349000	357000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)	
5	QPSK	1	1	19.05	19.10	18.87	20.0	0.0	

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

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

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

[illegible]

Part2Q7 Ant_2 PC3 D83 Standalone									
Bin [MHz]	Modulation	Channel	RF Offset	Power Low On/Off	Power High On/Off	Power Frac High/Low	Reference Power [dBm]	MFR [dB]	
Channel: 016300 016324 016348									
-1000	FSK4QAM	130	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	1	137	14.22	14.22	0.0	15.5	0.0	
-1000	FSK4QAM	138	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	139	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	136	108	14.22	14.22	0.0	15.5	0.0	
-1000	FSK4QAM	223	0	14.24	14.24	0.0	15.5	0.0	
-1000	FSK4QAM	224	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	221	137	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	222	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	139	0	14.22	14.22	0.0	15.5	0.0	
-1000	FSK4QAM	138	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	136	108	14.22	14.22	0.0	15.5	0.0	
-1000	FSK4QAM	223	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	224	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	221	137	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	222	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	139	0	14.22	14.22	0.0	15.5	0.0	
-1000	FSK4QAM	138	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	136	108	14.22	14.22	0.0	15.5	0.0	
-1000	FSK4QAM	223	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	224	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	221	137	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	222	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	139	0	14.22	14.22	0.0	15.5	0.0	
-1000	FSK4QAM	138	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	136	108	14.22	14.22	0.0	15.5	0.0	
-1000	FSK4QAM	223	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	224	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	221	137	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	222	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	139	0	14.22	14.22	0.0	15.5	0.0	
-1000	FSK4QAM	138	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	136	108	14.22	14.22	0.0	15.5	0.0	
-1000	FSK4QAM	223	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	224	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	221	137	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	222	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	139	0	14.22	14.22	0.0	15.5	0.0	
-1000	FSK4QAM	138	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	136	108	14.22	14.22	0.0	15.5	0.0	
-1000	FSK4QAM	223	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	224	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	221	137	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	222	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	139	0	14.22	14.22	0.0	15.5	0.0	
-1000	FSK4QAM	138	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	136	108	14.22	14.22	0.0	15.5	0.0	
-1000	FSK4QAM	223	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	224	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	221	137	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	222	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	139	0	14.22	14.22	0.0	15.5	0.0	
-1000	FSK4QAM	138	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	136	108	14.22	14.22	0.0	15.5	0.0	
-1000	FSK4QAM	223	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	224	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	221	137	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	222	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	139	0	14.22	14.22	0.0	15.5	0.0	
-1000	FSK4QAM	138	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	136	108	14.22	14.22	0.0	15.5	0.0	
-1000	FSK4QAM	223	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	224	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	221	137	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	222	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	139	0	14.22	14.22	0.0	15.5	0.0	
-1000	FSK4QAM	138	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	136	108	14.22	14.22	0.0	15.5	0.0	
-1000	FSK4QAM	223	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	224	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	221	137	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	222	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	139	0	14.22	14.22	0.0	15.5	0.0	
-1000	FSK4QAM	138	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	136	108	14.22	14.22	0.0	15.5	0.0	
-1000	FSK4QAM	223	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	224	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	221	137	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	222	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	139	0	14.22	14.22	0.0	15.5	0.0	
-1000	FSK4QAM	138	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	136	108	14.22	14.22	0.0	15.5	0.0	
-1000	FSK4QAM	223	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	224	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	221	137	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	222	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	139	0	14.22	14.22	0.0	15.5	0.0	
-1000	FSK4QAM	138	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	136	108	14.22	14.22	0.0	15.5	0.0	
-1000	FSK4QAM	223	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	224	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	221	137	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	222	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	139	0	14.22	14.22	0.0	15.5	0.0	
-1000	FSK4QAM	138	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	136	108	14.22	14.22	0.0	15.5	0.0	
-1000	FSK4QAM	223	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	224	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	221	137	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	222	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	139	0	14.22	14.22	0.0	15.5	0.0	
-1000	FSK4QAM	138	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	136	108	14.22	14.22	0.0	15.5	0.0	
-1000	FSK4QAM	223	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	224	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	221	137	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	222	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	139	0	14.22	14.22	0.0	15.5	0.0	
-1000	FSK4QAM	138	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	136	108	14.22	14.22	0.0	15.5	0.0	
-1000	FSK4QAM	223	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	224	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	221	137	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	222	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	139	0	14.22	14.22	0.0	15.5	0.0	
-1000	FSK4QAM	138	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	136	108	14.22	14.22	0.0	15.5	0.0	
-1000	FSK4QAM	223	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	224	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	221	137	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	222	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	139	0	14.22	14.22	0.0	15.5	0.0	
-1000	FSK4QAM	138	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	136	108	14.22	14.22	0.0	15.5	0.0	
-1000	FSK4QAM	223	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	224	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	221	137	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	222	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	139	0	14.22	14.22	0.0	15.5	0.0	
-1000	FSK4QAM	138	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	136	108	14.22	14.22	0.0	15.5	0.0	
-1000	FSK4QAM	223	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	224	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	221	137	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	222	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	139	0	14.22	14.22	0.0	15.5	0.0	
-1000	FSK4QAM	138	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	136	108	14.22	14.22	0.0	15.5	0.0	
-1000	FSK4QAM	223	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	224	0	14.23	14.23	0.0	15.5	0.0	
-1000	FSK4QAM	221	137	14.23	14.23	0.0	15.5	0.0	
-1000									

[illegible]

Part270 n78 Ant2_PC3 DSI3 Standalone								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Max Ch. (Frac.)	Power High Ch. (Frac.)	Tune-up time (dBm)	MPN (dB)
Channel								
Frequency (MHz)								
100	PIQ-BPSK	1	1		14.25			
100	PIQ-BPSK	1	137		14.39		15.5	0.0
100	PIQ-BPSK	1	271		14.27			
100	PIQ-BPSK	135	0		14.18		15.5	0.0
100	PIQ-BPSK	135	66		14.16		15.5	0.0
100	PIQ-BPSK	135	136		14.29		15.5	0.0
100	PIQ-BPSK	270	0		14.27			
100	QPSK	1	1		15.05			
100	QPSK	1	137		14.37		15.5	0.0
100	QPSK	1	271		14.30			
100	QPSK	135	0		14.30		15.5	0.0
100	QPSK	135	66		14.26		15.5	0.0
100	QPSK	135	136		14.13		15.5	0.0
100	QPSK	270	0		14.25		15.5	0.0
100	SSB-QAM	1	1		14.25		15.5	0.0
100	SSB-QAM	1	1		14.34		15.5	0.0
100	SSB-QAM	1	1		14.15		15.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1		14.24	14.40	14.40	15.5
Channel								
Frequency (MHz)								
80	QPSK	1	1		14.29	14.35	14.40	15.5
Channel								
Frequency (MHz)								
70	QPSK	1	1		14.25	14.33	14.40	15.5
Channel								
Frequency (MHz)								
60	QPSK	1	1		14.18	14.37	14.40	15.5
Channel								
Frequency (MHz)								
50	QPSK	1	1		14.33	14.40	14.44	15.5
Channel								
Frequency (MHz)								
40	QPSK	1	1		14.20	14.29	14.41	15.5
Channel								
Frequency (MHz)								
30	QPSK	1	1		14.30	14.39	14.40	15.5
Channel								
Frequency (MHz)								
20	QPSK	1	1		14.31	14.41	14.40	15.5

Part270 n78_Ant 2_PC3 DSI3 Standalone								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Max Ch. (Frac.)	Power High Ch. (Frac.)	Tune-up time (dBm)	MPN (dB)
Channel								
Frequency (MHz)								
100	PIQ-BPSK	1	1		14.03			
100	PIQ-BPSK	1	137		14.12		15.5	0.0
100	PIQ-BPSK	1	271		14.05			
100	PIQ-BPSK	135	0		13.95		15.5	0.0
100	PIQ-BPSK	135	66		13.87		15.5	0.0
100	PIQ-BPSK	135	136		14.07		15.5	0.0
100	PIQ-BPSK	270	0		14.14			
100	QPSK	1	1		15.15			
100	QPSK	1	137		14.03		15.5	0.0
100	QPSK	1	271		14.15			
100	QPSK	135	0		14.15		15.5	0.0
100	QPSK	135	66		14.01		15.5	0.0
100	QPSK	135	136		13.92		15.5	0.0
100	QPSK	270	0		14.08		15.5	0.0
100	SSB-QAM	1	1		14.10		15.5	0.0
100	SSB-QAM	1	1		14.13		15.5	0.0
100	SSB-QAM	1	1		13.90		15.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1		14.03	14.06	14.04	15.5
Channel								
Frequency (MHz)								
80	QPSK	1	1		14.19	14.85	14.50	15.5
Channel								
Frequency (MHz)								
70	QPSK	1	1		14.01	14.91	14.45	15.5
Channel								
Frequency (MHz)								
60	QPSK	1	1		14.05	14.87	14.40	15.5
Channel								
Frequency (MHz)								
50	QPSK	1	1		14.01	14.91	14.45	15.5
Channel								
Frequency (MHz)								
40	QPSK	1	1		14.19	14.85	14.50	15.5
Channel								
Frequency (MHz)								
30	QPSK	1	1		14.00	14.89	14.40	15.5
Channel								
Frequency (MHz)								
20	QPSK	1	1		14.19	14.85	14.50	15.5



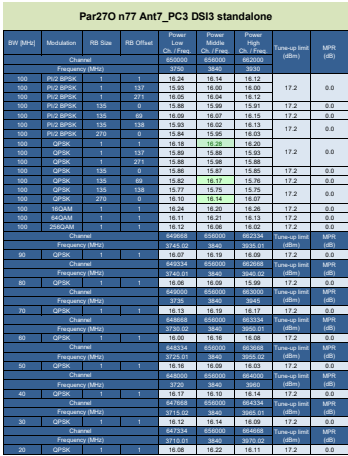
Par270 n77_Ant2_PC3 DSi3 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Media Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	12.42	12.47	12.58			
100	PI2 BPSK	1	137	12.50	12.85	12.82	13.9	0.0	
100	PI2 BPSK	1	271	12.57	12.95	12.88			
100	PI2 BPSK	135	0	12.74	12.87	12.89	13.9	0.0	
100	PI2 BPSK	135	86	12.75	12.84	12.89	13.9	0.0	
100	PI2 BPSK	135	138	12.79	12.79	12.87	13.9	0.0	
100	PI2 BPSK	270	0	12.71	12.76	12.75			
100	QPSK	1	1	12.56	12.65	12.66			
100	QPSK	1	137	12.81	12.88	12.86	13.9	0.0	
100	QPSK	1	271	12.59	12.92	12.89			
100	QPSK	135	0	12.87	12.95	12.89	13.9	0.0	
100	QPSK	135	86	12.84	12.88	12.89	13.9	0.0	
100	QPSK	135	138	12.80	12.88	12.89	13.9	0.0	
100	QPSK	270	0	12.77	12.84	12.76			
100	16QAM	1	1	12.77	12.81	12.79	13.9	0.0	
100	16QAM	1	1	12.86	12.86	12.86	13.9	0.0	
100	16QAM	1	1	12.95	12.95	12.95	13.9	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	12.77	12.77	12.54	13.9	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	12.81	12.71	12.79	13.9	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	12.69	12.65	12.65	13.9	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	12.78	12.80	12.59	13.9	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	12.82	12.75	12.84	13.9	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	12.81	12.79	12.79	13.9	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	12.80	12.84	12.81	13.9	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	12.80	12.80	12.80	13.9	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	12.80	12.82	12.79	13.9	0.0	

Par270 n77_Ant2_PC2 DSi3 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Media Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	15.50	15.85	15.78			
100	PI2 BPSK	1	137	16.04	15.99	15.95	16.9	0.0	
100	PI2 BPSK	1	271	16.03	16.05	16.03			
100	PI2 BPSK	135	0	15.98	16.04	16.08	16.9	0.0	
100	PI2 BPSK	135	86	16.01	16.05	16.05	16.9	0.0	
100	PI2 BPSK	135	138	15.97	16.01	16.11	16.9	0.0	
100	PI2 BPSK	270	0	15.95	15.99	15.99			
100	QPSK	1	1	15.05	15.10	15.09			
100	QPSK	1	137	15.88	15.88	15.79	16.9	0.0	
100	QPSK	1	271	16.11	16.05	16.00			
100	QPSK	135	0	15.93	16.01	16.05	16.9	0.0	
100	QPSK	135	86	15.99	16.01	16.05	16.9	0.0	
100	QPSK	135	138	15.94	16.05	16.10	16.9	0.0	
100	QPSK	270	0	16.02	16.06	15.92			
100	16QAM	1	1	15.95	15.99	15.99	16.9	0.0	
100	16QAM	1	1	16.08	16.14	16.07	16.9	0.0	
100	16QAM	1	1	16.04	16.06	16.06	16.9	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	15.09	16.10	16.09	16.9	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	15.99	16.05	16.09	16.9	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	15.84	15.90	16.00	16.9	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	15.95	16.00	16.05	16.9	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.01	16.02	16.06	16.9	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.03	16.00	16.00	16.9	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.00	16.04	16.00	16.9	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.06	16.05	16.05	16.9	0.0	

Part27Q n77_Ant 2_PC3 DSi3 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Media Ch.1 Freq.	Power High Ch.1 Freq.	Turnup time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1			13.24				
100	PI2 BPSK	1	137		13.21		13.9	0.0	
100	PI2 BPSK	1	271		13.75				
100	PI2 BPSK	135	0		13.27				
100	PI2 BPSK	135	86		13.29		13.9	0.0	
100	PI2 BPSK	135	138		13.29				
100	PI2 BPSK	270	0		13.56		13.9	0.0	
100	QPSK	1	1		13.31				
100	QPSK	1	137		13.19		13.9	0.0	
100	QPSK	1	271		13.78				
100	QPSK	135	0		13.19				
100	QPSK	135	86		13.22		13.9	0.0	
100	QPSK	135	138		13.26				
100	QPSK	270	0		13.15		13.9	0.0	
100	16QAM	1	1		13.27		13.9	0.0	
100	16QAM	1	1		13.25		13.9	0.0	
100	16QAM	1	1		13.78		13.9	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	83300	83334	83368	16.9	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	83344	83334	83300	16.9	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	83307	83297	83286	16.9	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	83304	83304	83311	16.9	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	83306	83306	83306	16.9	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	83307	83307	83307	16.9	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	83308	83308	83308	16.9	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	83309	83309	83309	16.9	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	83310	83310	83310	16.9	0.0	
Channel									

Part27O n78 Ant2_PC3 DS13 Simultaneous								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (W)	Power Main Ch. 1 (W)	Power High Ch. 1 (W)	Turn-up time (dBm)	MPN (dB)
Channel								
Frequency (MHz)								
100	PI2-BPSK	1	1		12.88			
100	PI2-BPSK	1	137		13.24		13.9	0.0
100	PI2-BPSK	1	271		13.24			
100	PI2-BPSK	155	0		13.28		13.9	0.0
100	PI2-BPSK	155	0		12.23		13.9	0.0
100	PI2-BPSK	155	156		13.18			
100	PI2-BPSK	270	0		13.17		13.9	0.0
100	QPSK	1	1		13.47			
100	QPSK	1	137		13.97		13.9	0.0
100	QPSK	1	271		13.31			
100	QPSK	155	0		13.34		13.9	0.0
100	QPSK	155	0		12.26		13.9	0.0
100	QPSK	155	156		13.27		13.9	0.0
100	QPSK	270	0		13.23		13.9	0.0
100	SSB-QAM	1	1		12.25		13.9	0.0
100	SSB-QAM	1	1		13.30		13.9	0.0
100	SSB-QAM	1	1		13.24		13.9	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	13.77	13.37	13.30	13.9	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	13.94	12.97	13.09	13.9	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	13.76	13.28	13.25	13.9	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	13.79	13.42	13.30	13.9	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	13.57	13.29	13.30	13.9	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	13.85	13.44	13.35	13.9	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	13.80	13.48	13.30	13.9	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	13.76	13.28	13.25	13.9	0.0

Part27Q n78_Ant_2_PC3 DS13 Simultaneous								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (W)	Power Main Ch. 1 (W)	Power High Ch. 1 (W)	Turn-up time (dBm)	MPN (dB)
Channel								
Frequency (MHz)								
100	PI2-BPSK	1	1		13.44			
100	PI2-BPSK	1	137		13.41		13.9	0.0
100	PI2-BPSK	1	271		13.35			
100	PI2-BPSK	155	0		13.27		13.9	0.0
100	PI2-BPSK	155	0		12.40		13.9	0.0
100	PI2-BPSK	155	156		13.49		13.9	0.0
100	PI2-BPSK	270	0		13.26			
100	QPSK	1	1		13.55			
100	QPSK	1	137		13.30		13.9	0.0
100	QPSK	1	271		13.30			
100	QPSK	155	0		13.35		13.9	0.0
100	QPSK	155	0		12.45		13.9	0.0
100	QPSK	155	156		13.48		13.9	0.0
100	QPSK	270	0		13.28		13.9	0.0
100	SSB-QAM	1	1		12.47		13.9	0.0
100	SSB-QAM	1	1		13.45		13.9	0.0
100	SSB-QAM	1	1		13.50		13.9	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	13.46	12.86	12.80	13.9	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	13.29	12.78	12.70	13.9	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	13.55	12.95	12.85	13.9	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	13.59	12.92	12.80	13.9	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	13.59	12.95	12.80	13.9	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	13.35	12.84	12.70	13.9	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	13.29	12.78	12.65	13.9	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	13.59	12.92	12.80	13.9	0.0



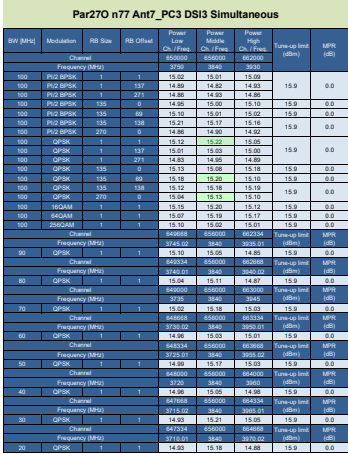
Par270 n7t Ant_PC2 DS13 standalone									
Ref	RF [MHz]	Modulation	RF Size	RF Offset	Low Noise Floor [dBm]	Max. Power [dBm]	High Power [dBm]	Time step [min]	MPK [dB]
Channel									
100	PC2 BPSK	1	1	1	19.23	19.24	19.16		
100	PC2 BPSK	1	1347	1	19.23	19.11	18.96	20.2	0.0
100	PC2 BPSK	2	241	1	19.23	19.16	19.16		
100	PC2 BPSK	135	0	1	19.21	19.12	19.21	20.2	0.0
100	PC2 BPSK	135	136	1	19.23	19.06	18.96	20.2	0.0
100	PC2 BPSK	135	136	136	19.23	19.06	18.96	20.2	0.0
100	QPSK	255	0	1	19.04	18.99	18.97		
100	QPSK	255	135	1	19.05	19.13	19.11	20.2	0.0
100	QPSK	1	1347	1	19.14	19.10	19.10	20.2	0.0
100	QPSK	1	241	1	19.13	19.10	19.11		
100	QPSK	135	0	1	19.12	19.08	19.08	20.2	0.0
100	QPSK	135	136	1	19.04	18.96	18.96	20.2	0.0
100	QPSK	255	136	1	19.08	19.10	19.10	20.2	0.0
100	QPSK	255	136	136	19.02	19.25	19.25	20.2	0.0
100	SADAM	1	1	1	19.44	19.10	19.23	20.2	0.0
100	SADAM	1	1347	1	19.44	19.10	19.23	20.2	0.0
Channel									
95	QPSK	Frequency [MHz]	1	1	94.9698	95.0000	95.0334	Time step [min]	MPK
95	QPSK	1	1	1	95.07	19.10	19.37	20.3	0.0
Channel									
80	QPSK	Frequency [MHz]	1	1	80.0334	80.0000	80.0334	Time step [min]	MPK
80	QPSK	1	1	1	80.0334	80.0000	80.0334	Time step [min]	MPK
80	QPSK	1	1	1	80.011	19.10	19.35	20.3	0.0
Frequency [MHz]									
70	QPSK	1	1	1	67.55	19.35	19.41	20.3	0.0
70	QPSK	1	1	1	67.54	19.35	19.41	20.3	0.0
70	QPSK	Frequency [MHz]	1	1	67.54	19.35	19.41	20.3	0.0
70	QPSK	1	1	1	67.54	19.35	19.41	20.3	0.0
85	QPSK	1	1	1	84.95	19.10	19.25	20.3	0.0
Channel									
50	QPSK	Frequency [MHz]	1	1	49.8334	50.0000	50.0334	Time step [min]	MPK
50	QPSK	1	1	1	49.8334	50.0000	50.0334	Time step [min]	MPK
50	QPSK	1	1	1	49.811	19.10	19.37	20.3	0.0
Frequency [MHz]									
40	QPSK	1	1	1	39.720	39.8000	39.800	Time step [min]	MPK
40	QPSK	1	1	1	39.720	39.8000	39.800	Time step [min]	MPK
30	QPSK	Frequency [MHz]	1	1	29.6334	30.0000	30.0334	Time step [min]	MPK
30	QPSK	1	1	1	29.6334	30.0000	30.0334	Time step [min]	MPK
30	QPSK	1	1	1	29.611	19.11	19.31	20.3	0.0
Channel									
20	QPSK	1	1	1	19.11	19.11	19.31	20.3	0.0

Par27Q n77_Ant_7_PC3 DS3 standalone									
EN (MHz)	Modulation	RB Size	RB Offset	Ch. Low Freq. (MHz)	Ch. High Freq. (MHz)	Ch. Low Freq. (MHz)	Ch. High Freq. (MHz)	Time gap (s)	MPR (%)
Channel									
100	PC3 BPSK	1	0	18,20	18,20				
100	PC3 BPSK	1	139	18,20	18,20	17,2	0		0,0
100	PC3 BPSK	2	231	18,20	18,20				
100	PC3 BPSK	135	0	18,20	18,20				
100	PC3 BPSK	135	138	18,20	18,20	17,2	0,0		
100	QPSK	250	0	18,12	18,12			17,2	0,0
100	QPSK	250	9	18,12	18,12				
100	QPSK	1	139	18,20	18,20	17,2	0,0		
100	QPSK	2	231	18,20	18,20				
100	QPSK	135	0	18,20	18,20				
100	QPSK	135	138	18,20	18,20	17,2	0,0		
100	QPSK	250	9	18,20	18,20			17,2	0,0
100	16QAM	500	0	18,12	18,12			17,2	0,0
100	16QAM	500	9	18,12	18,12				
100	64QAM	1	1	18,20	18,20	17,2	0,0		
100	64QAM	1	138	18,20	18,20				
Channel									
8000	PC3 BPSK	1	0	833000	833068				MPR
8000	PC3 BPSK	1	1	18,20	18,20	17,2	0,0		
8000	PC3 BPSK	1	139	833000	833000				MPR
8000	PC3 BPSK	1	138	833000	833000				MPR
8000	QPSK	1	1	18,20	18,20	17,2	0,0		
8000	QPSK	1	139	833000	833000				MPR
8000	QPSK	1	138	833000	833000				MPR
8000	16QAM	1	1	18,20	18,20	17,2	0,0		
8000	16QAM	1	139	833000	833000				MPR
8000	16QAM	1	138	833000	833000				MPR
8000	64QAM	1	1	18,20	18,20	17,2	0,0		
8000	64QAM	1	139	833000	833000				MPR
8000	64QAM	1	138	833000	833000				MPR
8000	256QAM	1	1	18,20	18,20	17,2	0,0		
8000	256QAM	1	139	833000	833000				MPR
8000	256QAM	1	138	833000	833000				MPR
8000	1024QAM	1	1	18,20	18,20	17,2	0,0		
8000	1024QAM	1	139	833000	833000				MPR
8000	1024QAM	1	138	833000	833000				MPR
8000	4096QAM	1	1	18,20	18,20	17,2	0,0		
8000	4096QAM	1	139	833000	833000				MPR
8000	4096QAM	1	138	833000	833000				MPR
8000	16384QAM	1	1	18,20	18,20	17,2	0,0		
8000	16384QAM	1	139	833000	833000				MPR
8000	16384QAM	1	138	833000	833000				MPR
8000	65536QAM	1	1	18,20	18,20	17,2	0,0		
8000	65536QAM	1	139	833000	833000				MPR
80	QPSK	1	1	18,24	18,17	18,30	17,23	0,0	

Part27Q_n77_A7_PC2 DS3 standalone									
Bit (Mbit)	Modulation	RB Size	RB Offset	Low Freq Channel	Mid Freq Channel	High Freq Channel	Time slot (subcarriers)	Power (dBm)	
Channel									
Frequency (MHz)				19.175					
100	QPSK	1	1	15.80	15.80		20.2	0.0	
100	16QAM	1	137	15.80	15.80				
100	QPSK	1	274	15.81	15.81				
100	16QAM	135	0	15.83	15.83				
100	QPSK	270	0	15.85	15.85		20.2	0.0	
100	QPSK	270	9	15.87	15.87				
100	QPSK	270	9	15.89	15.89		20.2	0.0	
100	QPSK	1	137	15.90	15.90		20.2	0.0	
100	QPSK	1	274	15.91	15.91				
100	QPSK	135	0	15.93	15.93				
100	QPSK	270	0	15.95	15.95		20.2	0.0	
100	QPSK	270	9	15.97	15.97				
100	QPSK	270	9	15.99	15.99		20.2	0.0	
100	QPSK	135	0	16.01	16.01				
100	QPSK	270	0	16.03	16.03		20.2	0.0	
100	QPSK	270	9	16.05	16.05				
100	QPSK	270	9	16.07	16.07		20.2	0.0	
100	QPSK	135	0	16.09	16.09				
100	QPSK	270	0	16.11	16.11		20.2	0.0	
100	QPSK	270	9	16.13	16.13				
100	QPSK	270	9	16.15	16.15		20.2	0.0	
100	QPSK	135	0	16.17	16.17				
100	QPSK	270	0	16.19	16.19		20.2	0.0	
100	QPSK	270	9	16.21	16.21				
100	QPSK	270	9	16.23	16.23		20.2	0.0	
100	QPSK	135	0	16.25	16.25				
100	QPSK	270	0	16.27	16.27		20.2	0.0	
100	QPSK	270	9	16.29	16.29				
100	QPSK	270	9	16.31	16.31		20.2	0.0	
100	QPSK	135	0	16.33	16.33				
100	QPSK	270	0	16.35	16.35		20.2	0.0	
100	QPSK	270	9	16.37	16.37				
100	QPSK	270	9	16.39	16.39		20.2	0.0	
100	QPSK	135	0	16.41	16.41				
100	QPSK	270	0	16.43	16.43		20.2	0.0	
100	QPSK	270	9	16.45	16.45				
100	QPSK	270	9	16.47	16.47		20.2	0.0	
100	QPSK	135	0	16.49	16.49				
100	QPSK	270	0	16.51	16.51		20.2	0.0	
100	QPSK	270	9	16.53	16.53				
100	QPSK	270	9	16.55	16.55		20.2	0.0	
100	QPSK	135	0	16.57	16.57				
100	QPSK	270	0	16.59	16.59		20.2	0.0	
100	QPSK	270	9	16.61	16.61				
100	QPSK	270	9	16.63	16.63		20.2	0.0	
100	QPSK	135	0	16.65	16.65				
100	QPSK	270	0	16.67	16.67		20.2	0.0	
10	QPSK	1	1	19.20	19.20	19.23	20.2	0.0	
Channel									
Frequency (MHz)				83.608			83.608		
90	QPSK	1	1	83.60	83.60	83.61	20.2	0.0	100%
Frequency (MHz)				83.608			83.608		
90	QPSK	1	1	83.60	83.60	83.61	20.2	0.0	100%
Frequency (MHz)				83.608			83.608		
90	QPSK	1	1	83.60	83.60	83.61	20.2	0.0	100%
Frequency (MHz)				83.608			83.608		
90	QPSK	1	1	83.60	83.60	83.61	20.2	0.0	100%
Frequency (MHz)				83.608			83.608		
90	QPSK	1	1	83.60	83.60	83.61	20.2	0.0	100%
Frequency (MHz)				83.608			83.608		
90	QPSK	1	1	83.60	83.60	83.61	20.2	0.0	100%
Frequency (MHz)				83.608			83.608		
90	QPSK	1	1	83.60	83.60	83.61	20.2	0.0	100%
Frequency (MHz)				83.608			83.608		
90	QPSK	1	1	83.60	83.60	83.61	20.2	0.0	100%
Frequency (MHz)				83.608			83.608		
90	QPSK	1	1	83.60	83.60	83.61	20.2	0.0	100%
Frequency (MHz)				83.608			83.608		
90	QPSK	1	1	83.60	83.60	83.61	20.2	0.0	100%
Frequency (MHz)				83.608			83.608		
90	QPSK	1	1	83.60	83.60	83.61	20.2	0.0	100%
Frequency (MHz)				83.608			83.608		
90	QPSK	1	1	83.60	83.60	83.61	20.2	0.0	100%
Frequency (MHz)				83.608			83.608		
90	QPSK	1	1	83.60	83.60	83.61	20.2	0.0	100%
Frequency (MHz)				83.608			83.608		
90	QPSK	1	1	83.60	83.60	83.61	20.2	0.0	100%
Frequency (MHz)				83.608			83.608		
90	QPSK	1	1	83.60	83.60	83.61	20.2	0.0	100%
Frequency (MHz)				83.608			83.608		
90	QPSK	1	1	83.60	83.60	83.61	20.2	0.0	100%
Frequency (MHz)				83.608			83.608		
90	QPSK	1	1	83.60	83.60	83.61	20.2	0.0	100%
Frequency (MHz)				83.608			83.608		
90	QPSK	1	1	83.60	83.60	83.61	20.2	0.0	100%
Frequency (MHz)				83.608			83.608		
90	QPSK	1	1	83.60	83.60	83.61	20.2	0.0	100%
Frequency (MHz)				83.608			83.608		
90	QPSK	1	1	83.60	83.60	83.61	20.2	0.0	100%
Frequency (MHz)				83.608			83.608		
90	QPSK	1	1	83.60	83.60	83.61	20.2	0.0	100%
Frequency (MHz)				83.608			83.608		
90	QPSK	1	1	83.60	83.60	83.61	20.2	0.0	100%
Frequency (MHz)				83.608			83.608		
90	QPSK	1	1	83.60	83.60	83.61	20.2	0.0	100%
Frequency (MHz)				83.608			83.608		
90	QPSK	1	1	83.60	83.60	83.61	20.2	0.0	100%
Frequency (MHz)				83.608			83.608		
90	QPSK	1	1	83.60	83.60	83.61	20.2	0.0	100%
Frequency (MHz)				83.608			83.608		
90	QPSK	1	1	83.60	83.60	83.61	20.2	0.0	100%
Frequency (MHz)				83.608			83.608		
90	QPSK	1	1	83.60	83.60	83.61	20.2	0.0	100%
Frequency (MHz)				83.608			83.608		
90	QPSK	1	1	83.60	83.60	83.61	20.2	0.0	100%
Frequency (MHz)				83.608			83.608		
90	QPSK	1	1	83.60	83.60	83.61	20.2	0.0	100%
Frequency (MHz)				83.608			83.608		
90	QPSK	1	1	83.60	83.60	83.61	20.2	0.0	100%
Frequency (MHz)				83.608			83.608		
90	QPSK	1	1	83.60	83.60	83.61	20.2	0.0	100%
Frequency (MHz)				83.608			83.608		
90	QPSK	1	1	83.60	83.60	83.61	20.2	0.0	100%
Frequency (MHz)				83.608			83.608		
90	QPSK	1	1	83.60	83.60	83.61	20.2	0.0	100%
Frequency (MHz)				83.608			83.608		
90	QPSK	1	1	83.60	83.60	83.61	20.2	0.0	100%
Frequency (MHz)				83.608			83.608		
90	QPSK	1	1	83.60	83.60	83.61	20.2	0.0	100%
Frequency (MHz)				83.608			83.608		
90	QPSK	1	1	83.60	83.60	83.61	20.2	0.0	100%
Frequency (MHz									

Part270 n78 Ant_PC3 DSi3 standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Max Ch. (Frac.)	Power High Ch. (Frac.)	Turnup time (dBm)	MPN (dB)	
Channel									
Frequency (MHz)									
100	PI2-BPSK	1	1		10.02				
100	PI2-BPSK	1	137		10.88		17.2	0.0	
100	PI2-BPSK	1	271		10.02				
100	PI2-BPSK	135	0		10.87		17.2	0.0	
100	PI2-BPSK	135	0		10.88		17.2	0.0	
100	PI2-BPSK	135	136		10.88		17.2	0.0	
100	PI2-BPSK	270	0		10.83				
100	QPSK	1	1		10.02				
100	QPSK	1	137		10.78		17.2	0.0	
100	QPSK	1	271		10.88				
100	QPSK	135	0		10.88		17.2	0.0	
100	QPSK	135	0		10.88		17.2	0.0	
100	QPSK	135	136		10.83		17.2	0.0	
100	QPSK	270	0		10.02				
100	16QAM	1	1		10.08		17.2	0.0	
100	16QAM	1	1		10.89		17.2	0.0	
100	16QAM	1	1		10.94		17.2	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1		10.22	10.12	10.10	17.2	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1		10.09	10.17	10.00	17.2	0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1		10.16	10.14	10.00	17.2	0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1		10.13	10.18	10.10	17.2	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1		10.17	10.19	10.10	17.2	0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1		10.10	10.14	10.10	17.2	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1		10.22	10.00	10.00	17.2	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1		10.10	10.10	10.20	17.2	0.0

Part27Q n78_Ant 7_PC3 DSi3 standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Max Ch. (Frac.)	Power High Ch. (Frac.)	Turn-up time (dBm)	MPN (dB)	
Channel									
Frequency (MHz)									
100	PI2-BPSK	1	1		10.10				
100	PI2-BPSK	1	137		10.08		17.2	0.0	
100	PI2-BPSK	1	271		10.03				
100	PI2-BPSK	135	0		10.11		17.2	0.0	
100	PI2-BPSK	135	0		10.09		17.2	0.0	
100	PI2-BPSK	135	136		10.02		17.2	0.0	
100	PI2-BPSK	270	0		10.03				
100	QPSK	1	1		10.00				
100	QPSK	1	137		10.12		17.2	0.0	
100	QPSK	1	271		10.00				
100	QPSK	135	0		10.12		17.2	0.0	
100	QPSK	135	0		10.00		17.2	0.0	
100	QPSK	135	136		10.08		17.2	0.0	
100	QPSK	270	0		10.08		17.2	0.0	
100	16QAM	1	1		10.10		17.2	0.0	
100	16QAM	1	1		10.10		17.2	0.0	
100	16QAM	1	1		10.14		17.2	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1		10.09	10.20	10.20	17.2	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1		10.19	10.20	10.20	17.2	0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1		10.03	10.20	10.20	17.2	0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1		10.04	10.24	10.20	17.2	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1		10.01	10.30	10.20	17.2	0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1		10.10	10.20	10.20	17.2	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1		10.20	10.20	10.20	17.2	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1		10.10	10.20	10.10	17.2	0.0



Par270 n77 Ant7_PC2 D312 Simultaneous									
RF (MHz)	Modulation	RB Size	RB Offset	Channel Frequency (MHz)	Power Level (dBm)	Power Spectrum Mask (dBm/100kHz)	Power Flux (dBm/100kHz)	Time-on-Air (seconds)	MPR (dB)
Channel									
Frequency (MHz)									
100	F3/4 BPSK	1	1	18.24	18.00	18.11			
100	F3/4 BPSK	1	132	18.26	18.07	18.28	18.9	0.0	
100	F3/4 BPSK	224	1	18.28	18.07	18.28	18.9	0.0	
100	F3/4 BPSK	132	0	18.08	18.14	18.19	18.9	0.0	
100	F3/4 BPSK	132	132	18.08	18.14	18.19	18.9	0.0	
100	F3/4 BPSK	132	136	17.87	17.80	17.87	18.0	0.0	
100	F3/4 BPSK	220	0	18.08	18.10	18.10			
100	QPSK	1	132	18.26	18.20	18.14			0.0
100	QPSK	1	224	18.28	18.20	18.14			0.0
100	QPSK	132	0	18.03	18.10	18.07	18.9	0.0	
100	QPSK	132	132	18.03	18.10	18.07	18.9	0.0	
100	QPSK	132	136	17.80	17.86	17.86	18.0	0.0	
100	QPSK	220	0	18.11	18.15	17.97			
100	EDGE-GS	1	1	18.08	18.25	18.05	18.9	0.0	
100	EDGE-GS	1	1	18.16	18.25	18.05	18.9	0.0	
100	EDGE-GS	1	1	18.24	18.25	18.14	18.9	0.0	
Channel									
90	F3/4 BPSK	1	1	18.68	18.00	18.6324			MPR
90	F3/4 BPSK	1	1	18.14	18.11	18.09	18.9	0.0	
90	F3/4 BPSK	224	1	18.16	18.00	18.0000			MPR
90	F3/4 BPSK	132	0	18.04	18.00	18.16	18.9	0.0	
90	F3/4 BPSK	132	132	18.04	18.00	18.16	18.9	0.0	
90	F3/4 BPSK	220	0	18.16	18.00	18.16			
90	QPSK	1	1	18.64	18.00	18.64			MPR
90	QPSK	1	1	18.14	18.00	18.14	18.9	0.0	
90	QPSK	1	1	18.16	18.00	18.16	18.9	0.0	
90	QPSK	1	1	18.18	18.00	18.18	18.9	0.0	
90	QPSK	1	1	18.20	18.00	18.20	18.9	0.0	
90	QPSK	1	1	18.22	18.00	18.22	18.9	0.0	
90	QPSK	1	1	18.24	18.00	18.24	18.9	0.0	
90	QPSK	1	1	18.26	18.00	18.26	18.9	0.0	
90	QPSK	1	1	18.28	18.00	18.28	18.9	0.0	
90	QPSK	1	1	18.30	18.00	18.30	18.9	0.0	
90	QPSK	1	1	18.32	18.00	18.32	18.9	0.0	
90	QPSK	1	1	18.34	18.00	18.34	18.9	0.0	
90	QPSK	1	1	18.36	18.00	18.36	18.9	0.0	
90	QPSK	1	1	18.38	18.00	18.38	18.9	0.0	
90	QPSK	1	1	18.40	18.00	18.40	18.9	0.0	
90	QPSK	1	1	18.42	18.00	18.42	18.9	0.0	
90	QPSK	1	1	18.44	18.00	18.44	18.9	0.0	
90	QPSK	1	1	18.46	18.00	18.46	18.9	0.0	
90	QPSK	1	1	18.48	18.00	18.48	18.9	0.0	
90	QPSK	1	1	18.50	18.00	18.50	18.9	0.0	
90	QPSK	1	1	18.52	18.00	18.52	18.9	0.0	
90	QPSK	1	1	18.54	18.00	18.54	18.9	0.0	
90	QPSK	1	1	18.56	18.00	18.56	18.9	0.0	
90	QPSK	1	1	18.58	18.00	18.58	18.9	0.0	
90	QPSK	1	1	18.60	18.00	18.60	18.9	0.0	
90	QPSK	1	1	18.62	18.00	18.62	18.9	0.0	
90	QPSK	1	1	18.64	18.00	18.64	18.9	0.0	
90	QPSK	1	1	18.66	18.00	18.66	18.9	0.0	
90	QPSK	1	1	18.68	18.00	18.68	18.9	0.0	
90	QPSK	1	1	18.70	18.00	18.70	18.9	0.0	
90	QPSK	1	1	18.72	18.00	18.72	18.9	0.0	
90	QPSK	1	1	18.74	18.00	18.74	18.9	0.0	
90	QPSK	1	1	18.76	18.00	18.76	18.9	0.0	
90	QPSK	1	1	18.78	18.00	18.78	18.9	0.0	
90	QPSK	1	1	18.80	18.00	18.80	18.9	0.0	
90	QPSK	1	1	18.82	18.00	18.82	18.9	0.0	
90	QPSK	1	1	18.84	18.00	18.84	18.9	0.0	
90	QPSK	1	1	18.86	18.00	18.86	18.9	0.0	
90	QPSK	1	1	18.88	18.00	18.88	18.9	0.0	
90	QPSK	1	1	18.90	18.00	18.90	18.9	0.0	
90	QPSK	1	1	18.92	18.00	18.92	18.9	0.0	
90	QPSK	1	1	18.94	18.00	18.94	18.9	0.0	
90	QPSK	1	1	18.96	18.00	18.96	18.9	0.0	
90	QPSK	1	1	18.98	18.00	18.98	18.9	0.0	
90	QPSK	1	1	19.00	18.00	19.00	18.9	0.0	
90	QPSK	1	1	19.02	18.00	19.02	18.9	0.0	
90	QPSK	1	1	19.04	18.00	19.04	18.9	0.0	
90	QPSK	1	1	19.06	18.00	19.06	18.9	0.0	
90	QPSK	1	1	19.08	18.00	19.08	18.9	0.0	
90	QPSK	1	1	19.10	18.00	19.10	18.9	0.0	
90	QPSK	1	1	19.12	18.00	19.12	18.9	0.0	
90	QPSK	1	1	19.14	18.00	19.14	18.9	0.0	
90	QPSK	1	1	19.16	18.00	19.16	18.9	0.0	
90	QPSK	1	1	19.18	18.00	19.18	18.9	0.0	
90	QPSK	1	1	19.20	18.00	19.20	18.9	0.0	
90	QPSK	1	1	19.22	18.00	19.22	18.9	0.0	
90	QPSK	1	1	19.24	18.00	19.24	18.9	0.0	
90	QPSK	1	1	19.26	18.00	19.26	18.9	0.0	
90	QPSK	1	1	19.28	18.00	19.28	18.9	0.0	
90	QPSK	1	1	19.30	18.00	19.30	18.9	0.0	
90	QPSK	1	1	19.32	18.00	19.32	18.9	0.0	
90	QPSK	1	1	19.34	18.00	19.34	18.9	0.0	
90	QPSK	1	1	19.36	18.00	19.36	18.9	0.0	
90	QPSK	1	1	19.38	18.00	19.38	18.9	0.0	
90	QPSK	1	1	19.40	18.00	19.40	18.9	0.0	
90	QPSK	1	1	19.42	18.00	19.42	18.9	0.0	
90	QPSK	1	1	19.44	18.00	19.44	18.9	0.0	
90	QPSK	1	1	19.46	18.00	19.46	18.9	0.0	
90	QPSK	1	1	19.48	18.00	19.48	18.9	0.0	
90	QPSK	1	1	19.50	18.00	19.50	18.9	0.0	
90	QPSK	1	1	19.52	18.00	19.52	18.9	0.0	
90	QPSK	1	1	19.54	18.00	19.54	18.9	0.0	
90	QPSK	1	1	19.56	18.00	19.56	18.9	0.0	
90	QPSK	1	1	19.58	18.00	19.58	18.9	0.0	
90	QPSK	1	1	19.60	18.00	19.60	18.9	0.0	
90	QPSK	1	1	19.62	18.00	19.62	18.9	0.0	
90	QPSK	1	1	19.64	18.00	19.64	18.9	0.0	
90	QPSK	1	1	19.66	18.00	19.66	18.9	0.0	
90	QPSK	1	1	19.68	18.00	19.68	18.9	0.0	
90	QPSK	1	1	19.70	18.00	19.70	18.9	0.0	
90	QPSK	1	1	19.72	18.00	19.72	18.9	0.0	
90	QPSK	1	1	19.74	18.00	19.74	18.9	0.0	
90	QPSK	1	1	19.76	18.00	19.76	18.9	0.0	
90	QPSK	1	1	19.78	18.00	19.78	18.9	0.0	
90	QPSK	1	1	19.80	18.00	19.80	18.9	0.0	
90	QPSK	1	1	19.82	18.00	19.82	18.9	0.0	
90	QPSK	1	1	19.84	18.00	19.84	18.9	0.0	
90	QPSK	1	1	19.86	18.00	19.86	18.9	0.0	
90	QPSK	1	1	19.88	18.00	19.88	18.9	0.0	
90	QPSK	1	1	19.90	18.00	19.90	18.9	0.0	
90	QPSK	1	1	19.92	18.00	19.92	18.9	0.0	
90	QPSK	1	1	19.94	18.00	19.94	18.9	0.0	
90	QPSK	1	1	19.96	18.00	19.96	18.9	0.0	
90	QPSK	1	1	19.98	18.00	19.98	18.9	0.0	
90	QPSK	1	1	20.00	18.00	20.00	18.9	0.0	
90	QPSK	1	1	20.02	18.00	20.02	18.9	0.0	
90	QPSK	1	1	20.04	18.00	20.04	18.9	0.0	
90	QPSK	1	1	20.06	18.00	20.06	18.9	0.0	
90	QPSK	1	1	20.08	18.00	20.08	18.9	0.0	
90	QPSK	1	1	20.10	18.00	20.10	18.9	0.0	
90	QPSK	1	1	20.12	18.00	20.12	18.9	0.0	
90	QPSK	1	1	20.14	18.00	20.14	18.9	0.0	
90	QPSK	1	1	20.16	18.00	20.16	18.9	0.0	
90	QPSK	1	1	20.18	18.00	20.18	18.9	0.0	
90	QPSK	1	1	20.20	18.00	20.20	18.9	0.0	
90	QPSK	1	1	20.22	18.00	20.22	18.9	0.0	
90	QPSK	1	1	20.24	18.00	20.24	18.9	0.0	
90	QPSK	1	1	20.26	18.00	20.26	18.9	0.0	
90	QPSK	1	1	20.28	18.00	20.28	18.9	0.0	
90	QPSK	1	1	20.30	18.00	20.30	18.9	0.0	
90	QPSK	1	1	20.32	18.00	20.32	18.9	0.0	
90	QPSK	1	1	20.34	18.00	20.34	18.9	0.0	
90	QPSK	1	1	20.36	18.00	20.36	18.9	0.0	
90	QPSK	1	1	20.38	18.00	20.38	18.9	0.0	
90	QPSK	1	1	20.40	18.00	20.40	18.9	0.0	
90	QPSK	1	1	20.42	18.00	20.42	18.9	0.0	
90	QPSK	1	1	20.44	18.00	20.44	18.9	0.0	
90	QPSK	1	1	20.46	18.00	20.46	18.9	0.0	
90	QPSK	1	1	20.48	18.00	20.48	18.9	0.0	
90	QPSK	1	1	20.50	18.00	20.50	18.9	0.0	
90	QPSK	1	1	20.52	18.00	20.52	18.9	0.0	
90	QPSK	1	1	20.54	18.00	20.54	18.9	0.0	
90	QPSK	1	1	20.56	18.00	20.56	18.9	0.0	
90	QPSK	1	1	20.58	18.00	20.58	18.9	0.0	
90	QPSK	1	1	20.60	18.00	20.60	18.9	0.0	
90	QPSK	1	1	20.62	18.00	20.62	18.9	0.0	
90									

Part270 n77_Ant 7_Pc3 D83 Simultaneous							
Bin (MHz)	Modulation	Ref Size	Ref Offset	Low Ch. Power (dBm)	Peak Meas. Ch. Power (dBm)	Power Sp. (dB/MHz)	Time-avg. noise (dBm)
Channel							
Frequency (MHz)				83333.4			
100	P2-SSB	1	1	15.35			
100	P2-SSB	1	157	15.26			15.9
100	P2-SSB	231	231	15.27			
100	P2-SSB	135	0	15.35			15.9
100	P2-SSB	135	90	15.35			
100	P2-SSB	135	168	15.27			
100	P2-SSB	270	0	15.35			15.9
100	QPSK	1	1	15.35			15.9
100	QPSK	1	157	15.27			15.9
100	QPSK	1	231	15.32			
100	QPSK	135	0	15.26			15.9
100	QPSK	135	90	15.35			
100	QPSK	135	168	15.27			15.9
100	QPSK	270	0	15.35			15.9
100	SSB4M	1	1	15.35			15.9
100	SSB4M	1	157	15.26			15.9
100	SSB4M	1	231	15.27			
100	SSB4M	1	135	15.34			15.9
100	SSB4M	1	135	15.27			15.9
Channel							
Frequency (MHz)				83333.4	83336.6		Time-avg. noise (dBm)
90	QPSK	1	1	15.37	15.26	15.26	15.9
Channel							
Frequency (MHz)				83333.4	83400.0		Time-avg. noise (dBm)
90	QPSK	1	1	15.35	15.26	15.26	15.9
90	QPSK	1	1	15.21	15.34	15.21	15.9
Channel							
Frequency (MHz)				83400.0	83466.6		Time-avg. noise (dBm)
70	QPSK	1	1	15.37	15.26	15.26	15.9
Channel							
Frequency (MHz)				83466.6	83533.4		Time-avg. noise (dBm)
60	QPSK	1	1	15.31	15.26	15.26	15.9
Channel							
Frequency (MHz)				83533.4	83600.0		Time-avg. noise (dBm)
60	QPSK	1	1	15.32	15.31	15.27	15.9
Channel							
Frequency (MHz)				83600.0	83666.6		Time-avg. noise (dBm)
40	QPSK	1	1	15.30	15.21	15.19	15.9
Channel							
Frequency (MHz)				83666.6	83733.4		Time-avg. noise (dBm)
30	QPSK	1	1	15.27	15.24	15.19	15.9
Channel							
Frequency (MHz)				83733.4	83800.0		Time-avg. noise (dBm)
20	QPSK	1	1	15.32	15.30	15.34	15.9

Part270 n77_Ant 7_P2C2 DS13 Simultaneous							
Bit (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (dBm)	Power Mid Ch. (dBm)	Power High Ch. (dBm)	Power Spectral Density (dBm/Hz)
Channel							
Frequency (MHz)				835.000	835.000	835.000	
150	PQSS-BPSK	1	0	17.00	17.00	17.00	
150	PQSS-BPSK	1	127	18.12	18.12	18.12	15.0
150	PQSS-BPSK	1	254	17.82	17.82	17.82	
150	PQSS-BPSK	128	0	18.00	18.00	18.00	
150	PQSS-BPSK	128	63	17.88	17.88	17.88	15.0
150	PQSS-BPSK	128	126	17.68	17.68	17.68	
150	PQSS-BPSK	255	0	18.10	18.10	18.10	
150	PQSS-BPSK	255	127	18.12	18.12	18.12	15.0
150	QPSK	1	127	17.82	17.82	17.82	15.0
150	QPSK	128	0	18.00	18.00	18.00	
150	QPSK	128	63	17.88	17.88	17.88	15.0
150	QPSK	128	126	17.68	17.68	17.68	
150	QPSK	255	0	18.10	18.10	18.10	
150	QPSK	255	127	18.12	18.12	18.12	15.0
150	QAM64	1	126	18.00	18.00	18.00	15.0
150	QAM64	1	0	18.00	18.00	18.00	
Channel							
Frequency (MHz)				835.000	835.000	835.000	
90	QPSK	1	0	16.50	16.50	16.50	14.0
90	QPSK	1	127	17.00	17.00	17.00	
90	QPSK	128	0	16.80	16.80	16.80	14.0
90	QPSK	128	126	16.50	16.50	16.50	
90	QPSK	255	0	17.00	17.00	17.00	14.0
90	QPSK	255	127	17.00	17.00	17.00	
90	QPSK	511	0	17.00	17.00	17.00	14.0
90	QPSK	511	255	16.50	16.50	16.50	
90	QPSK	1023	0	17.00	17.00	17.00	14.0
90	QPSK	1023	511	16.50	16.50	16.50	
90	QPSK	2047	0	17.00	17.00	17.00	14.0
90	QPSK	2047	1023	16.50	16.50	16.50	
90	QPSK	4095	0	17.00	17.00	17.00	14.0
90	QPSK	4095	2047	16.50	16.50	16.50	
90	QPSK	8191	0	17.00	17.00	17.00	14.0
90	QPSK	8191	4095	16.50	16.50	16.50	
90	QPSK	16383	0	17.00	17.00	17.00	14.0
90	QPSK	16383	8191	16.50	16.50	16.50	
90	QPSK	32767	0	17.00	17.00	17.00	14.0
90	QPSK	32767	16383	16.50	16.50	16.50	
90	QPSK	65535	0	17.00	17.00	17.00	14.0
90	QPSK	65535	32767	16.50	16.50	16.50	
90	QPSK	131071	0	17.00	17.00	17.00	14.0
90	QPSK	131071	65535	16.50	16.50	16.50	
90	QPSK	262143	0	17.00	17.00	17.00	14.0
90	QPSK	262143	131071	16.50	16.50	16.50	
90	QPSK	524287	0	17.00	17.00	17.00	14.0
90	QPSK	524287	262143	16.50	16.50	16.50	
90	QPSK	1048575	0	17.00	17.00	17.00	14.0
90	QPSK	1048575	524287	16.50	16.50	16.50	
90	QPSK	2097151	0	17.00	17.00	17.00	14.0
90	QPSK	2097151	1048575	16.50	16.50	16.50	
90	QPSK	4194303	0	17.00	17.00	17.00	14.0
90	QPSK	4194303	2097151	16.50	16.50	16.50	
90	QPSK	8388607	0	17.00	17.00	17.00	14.0
90	QPSK	8388607	4194303	16.50	16.50	16.50	
90	QPSK	16777215	0	17.00	17.00	17.00	14.0
90	QPSK	16777215	8388607	16.50	16.50	16.50	
90	QPSK	33554431	0	17.00	17.00	17.00	14.0
90	QPSK	33554431	16777215	16.50	16.50	16.50	
90	QPSK	67108863	0	17.00	17.00	17.00	14.0
90	QPSK	67108863	33554431	16.50	16.50	16.50	
90	QPSK	134217727	0	17.00	17.00	17.00	14.0
90	QPSK	134217727	67108863	16.50	16.50	16.50	
90	QPSK	268435455	0	17.00	17.00	17.00	14.0
90	QPSK	268435455	134217727	16.50	16.50	16.50	
90	QPSK	536870911	0	17.00	17.00	17.00	14.0
90	QPSK	536870911	268435455	16.50	16.50	16.50	
90	QPSK	1073741823	0	17.00	17.00	17.00	14.0
90	QPSK	1073741823	536870911	16.50	16.50	16.50	
90	QPSK	2147483647	0	17.00	17.00	17.00	14.0
90	QPSK	2147483647	1073741823	16.50	16.50	16.50	
90	QPSK	4294967295	0	17.00	17.00	17.00	14.0
90	QPSK	4294967295	2147483647	16.50	16.50	16.50	
90	QPSK	8589934591	0	17.00	17.00	17.00	14.0
90	QPSK	8589934591	4294967295	16.50	16.50	16.50	
90	QPSK	17179869183	0	17.00	17.00	17.00	14.0
90	QPSK	17179869183	8589934591	16.50	16.50	16.50	
90	QPSK	34359738367	0	17.00	17.00	17.00	14.0
90	QPSK	34359738367	17179869183	16.50	16.50	16.50	
90	QPSK	68719476735	0	17.00	17.00	17.00	14.0
90	QPSK	68719476735	34359738367	16.50	16.50	16.50	
90	QPSK	137438953471	0	17.00	17.00	17.00	14.0
90	QPSK	137438953471	68719476735	16.50	16.50	16.50	
90	QPSK	274877906943	0	17.00	17.00	17.00	14.0
90	QPSK	274877906943	137438953471	16.50	16.50	16.50	
90	QPSK	549755813887	0	17.00	17.00	17.00	14.0
90	QPSK	549755813887	274877906943	16.50	16.50	16.50	
90	QPSK	1099511627775	0	17.00	17.00	17.00	14.0
90	QPSK	1099511627775	549755813887	16.50	16.50	16.50	
90	QPSK	2199023255551	0	17.00	17.00	17.00	14.0
90	QPSK	2199023255551	1099511627775	16.50	16.50	16.50	
90	QPSK	4398046511103	0	17.00	17.00	17.00	14.0
90	QPSK	4398046511103	2199023255551	16.50	16.50	16.50	
90	QPSK	8796093022207	0	17.00	17.00	17.00	14.0
90	QPSK	8796093022207	4398046511103	16.50	16.50	16.50	
90	QPSK	17592186044415	0	17.00	17.00	17.00	14.0
90	QPSK	17592186044415	8796093022207	16.50	16.50	16.50	
90	QPSK	35184372088831	0	17.00	17.00	17.00	14.0
90	QPSK	35184372088831	17592186044415	16.50	16.50	16.50	
90	QPSK	70368744177663	0	17.00	17.00	17.00	14.0
90	QPSK	70368744177663	35184372088831	16.50	16.50	16.50	
90	QPSK	140737488355327	0	17.00	17.00	17.00	14.0
90	QPSK	140737488355327	70368744177663	16.50	16.50	16.50	
90	QPSK	281474976710655	0	17.00	17.00	17.00	14.0
90	QPSK	281474976710655	140737488355327	16.50	16.50	16.50	
90	QPSK	562949953421311	0	17.00	17.00	17.00	14.0
90	QPSK	562949953421311	281474976710655	16.50	16.50	16.50	
90	QPSK	1125899906842623	0	17.00	17.00	17.00	14.0
90	QPSK	1125899906842623	562949953421311	16.50	16.50	16.50	
90	QPSK	2251799813685247	0	17.00	17.00	17.00	14.0
90	QPSK	2251799813685247	1125899906842623	16.50	16.50	16.50	
90	QPSK	4503599627370495	0	17.00	17.00	17.00	14.0
90	QPSK	4503599627370495	2251799813685247	16.50	16.50	16.50	
90	QPSK	9007199254740991	0	17.00	17.00	17.00	14.0
90	QPSK	9007199254740991	4503599627370495	16.50	16.50	16.50	
90	QPSK	18014398509481983	0	17.00	17.00	17.00	14.0
90	QPSK	18014398509481983	9007199254740991	16.50	16.50	16.50	
90	QPSK	36028797018963967	0	17.00	17.00	17.00	14.0
90	QPSK	36028797018963967	18014398509481983	16.50	16.50	16.50	
90	QPSK	72057594037927935	0	17.00	17.00	17.00	14.0
90	QPSK	72057594037927935	36028797018963967	16.50	16.50	16.50	
90	QPSK	144115188075855871	0	17.00	17.00	17.00	14.0
90	QPSK	144115188075855871	72057594037927935	16.50	16.50	16.50	
90	QPSK	288230376151711743	0	17.00	17.00	17.00	14.0
90	QPSK	288230376151711743	144115188075855871	16.50	16.50	16.50	
90	QPSK	576460752303423487	0	17.00	17.00	17.00	14.0
90	QPSK	576460752303423487	288230376151711743	16.50	16.50	16.50	
90	QPSK	1152921504606846975	0	17.00	17.00	17.00	14.0
90	QPSK	1152921504606846975	576460752303423487	16.50	16.50	16.50	
90	QPSK	2305843009213693951	0	17.00	17.00	17.00	14.0
90	QPSK	2305843009213693951	1152921504606846975	16.50	16.50	16.50	
90	QPSK	4611686018427387903	0	17.00	17.00	17.00	14.0
90	QPSK	4611686018427387903	2305843009213693951	16.50	16.50	16.50	
90	QPSK	9223372036854775807	0	17.00	17.00	17.00	14.0
90	QPSK	9223372036854775807	4611686018427387903	16.50	16.50	16.50	
90	QPSK	18446744073709551615	0	17.00	17.00	17.00	14.0
90	QPSK	18446744073709551615	9223372036854775807	16.50	16.50	16.50	
90	QPSK	36893488147419103231	0	17.00	17.00	17.00	14.0
90	QPSK	36893488147419103231	18446744073709551615	16.50	16.50	16.50	
90	QPSK	73786976294838206463	0	17.00	17.00	17.00	14.0
90	QPSK	73786976294838206463	36893488147419103231	16.50	16.50	16.50	
90	QPSK	147573952589676412927	0	17.00	17.00	17.00	14.0
90	QPSK	147573952589676412927	73786976294838206463	16.50	16.50	16.50	
90	QPSK	295147905179352825855	0	17.00	17.00	17.00	14.0
90	QPSK	295147905179352825855	147573952589676412927	16.50	16.50	16.50	
90	QPSK	590295810358705651711	0	17.00	17.00	17.00	14.0
90	QPSK	590295810358705651711	295147905179352825855	16.50	16.50	16.50	
90	QPSK	1180591620717411303423	0	17.00	17.00	17.00	14.0
90	QPSK	1180591620717411303423	590295810358705651711	16.50	16.50	16.50	
90	QPSK	2361183241434822606847	0	17.00	17.00	17.00	14.0

Part27O n78 Ant 7_PC3 DS13 Simultaneous

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (W)	Power Max Ch. 1 (W)	Power High Ch. 1 (W)	Tune-up time (min)	MPN (dB)
Channel								
Frequency (MHz)								
100	PI2-BPSK	1	1		15.12			
100	PI2-BPSK	1	137		15.11		15.9	0.0
100	PI2-BPSK	1	271		14.88			
100	PI2-BPSK	135	0		15.13		15.9	0.0
100	PI2-BPSK	135	0		15.15		15.9	0.0
100	PI2-BPSK	135	136		14.88		15.9	0.0
100	PI2-BPSK	270	0		15.08			
100	QPSK	1	1		15.21			
100	QPSK	1	137		15.14		15.9	0.0
100	QPSK	1	271		14.93			
100	QPSK	135	0		15.18		15.9	0.0
100	QPSK	135	0		15.20		15.9	0.0
100	QPSK	135	136		14.78		15.9	0.0
100	QPSK	270	0		15.20		15.9	0.0
100	SSB-QAM	1	1		15.12		15.9	0.0
100	SSB-QAM	1	1		15.15		15.9	0.0
100	SSB-QAM	1	1		15.17		15.9	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1		15.01	15.05	15.15	15.9
Channel								
Frequency (MHz)								
80	QPSK	1	1		15.03	15.15	15.20	15.9
Channel								
Frequency (MHz)								
70	QPSK	1	1		15.15	15.13	15.17	15.9
Channel								
Frequency (MHz)								
60	QPSK	1	1		15.18	15.18	15.20	15.9
Channel								
Frequency (MHz)								
50	QPSK	1	1		15.11	15.02	15.15	15.9
Channel								
Frequency (MHz)								
40	QPSK	1	1		15.05	15.18	15.07	15.9
Channel								
Frequency (MHz)								
30	QPSK	1	1		15.12	15.10	15.03	15.9
Channel								
Frequency (MHz)								
20	QPSK	1	1		15.15	15.13	15.10	15.9

Part27Q n78_Ant 7_PC3 DS13 Simultaneous

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (W)	Power Max Ch. 1 (W)	Power High Ch. 1 (W)	Tune-up time (min)	MPN (dB)
Channel								
Frequency (MHz)								
100	PI2-BPSK	1	1		15.32			
100	PI2-BPSK	1	137		15.13		15.9	0.0
100	PI2-BPSK	1	271		15.21			
100	PI2-BPSK	135	0		15.34		15.9	0.0
100	PI2-BPSK	135	0		15.26		15.9	0.0
100	PI2-BPSK	135	136		15.12		15.9	0.0
100	PI2-BPSK	270	0		15.08			
100	QPSK	1	1		15.35			
100	QPSK	1	137		15.13		15.9	0.0
100	QPSK	1	271		15.25			
100	QPSK	135	0		15.05		15.9	0.0
100	QPSK	135	0		15.26		15.9	0.0
100	QPSK	135	136		15.28		15.9	0.0
100	QPSK	270	0		15.20		15.9	0.0
100	SSB-QAM	1	1		15.32		15.9	0.0
100	SSB-QAM	1	1		15.27		15.9	0.0
100	SSB-QAM	1	1		15.25		15.9	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1		15.21	15.27	15.20	15.9
Channel								
Frequency (MHz)								
80	QPSK	1	1		15.30	15.24	15.17	15.9
Channel								
Frequency (MHz)								
70	QPSK	1	1		15.23	15.26	15.15	15.9
Channel								
Frequency (MHz)								
60	QPSK	1	1		15.40	15.37	15.18	15.9
Channel								
Frequency (MHz)								
50	QPSK	1	1		15.24	15.23	15.19	15.9
Channel								
Frequency (MHz)								
40	QPSK	1	1		15.20	15.19	15.41	15.9
Channel								
Frequency (MHz)								
30	QPSK	1	1		15.29	15.19	15.27	15.9
Channel								
Frequency (MHz)								
20	QPSK	1	1		15.26	15.41	15.34	15.9



n2 Ant0 DSI6 Standalone									
BW [MHz]	Modulators	RB Size	RB Offset	Power Low Ch. / Freq. 372000	Power Middle Ch. / Freq. 376000	Power High Ch. / Freq. 380000	Tune-up limit (dBm)	MPR (dB)	
Channel				1860	1860	1900			
Frequency (MHz)									
20	Pi2 BPSK	1	1	20.81	20.91	20.86		22.1	0.0
20	Pi2 BPSK	1	53	20.87	20.93	20.88			
20	Pi2 BPSK	1	104	20.83	20.89	20.82			
20	Pi2 BPSK	50	0	20.75	20.87	20.72	22.1	0.0	
20	Pi2 BPSK	50	28	20.79	20.92	20.77	22.1	0.0	
20	Pi2 BPSK	50	56	20.74	20.88	20.73	22.1	0.0	
20	Pi2 BPSK	100	0	20.67	20.83	20.79		22.1	0.0
20	QPSK	1	1	20.98	21.05	20.97			
20	QPSK	1	53	20.87	20.96	20.81	22.1	0.0	
20	QPSK	1	104	20.78	20.92	20.78		22.1	0.0
20	QPSK	50	0	20.80	20.89	20.76			
20	QPSK	50	28	20.80	20.91	20.81			
20	QPSK	50	56	20.71	20.87	20.82	22.1	0.0	
20	QPSK	100	0	20.82	20.88	20.80		22.1	0.0
20	16QAM	1	1	20.96	21.01	20.97	22.1		
20	64QAM	1	1	20.88	20.92	20.77	22.1		
20	256QAM	1	1	19.23	19.26	19.23	20.5	1.6	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1872.5	1880	1902.5			
15	QPSK	1	1	20.88	20.97	20.87	22.1	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1860	1905			
10	QPSK	1	1	20.87	20.89	20.84	22.1	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5 <th>1860</th> <th>1867.5</th> <th></th> <th colspan="2"></th>	1860	1867.5			
5	QPSK	1	1	20.85	20.90	20.87	22.1	0.0	

n5 Ant0 DSI6 Standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (db)	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	Pi2 BPSK	1	1	22.62	22.68	22.65		24.0	0.0
20	Pi2 BPSK	1	53	22.62	22.63	22.54			
20	Pi2 BPSK	1	104	22.46	22.60	22.41			
20	Pi2 BPSK	50	0	22.50	22.55	22.49	24.0	0.0	
20	Pi2 BPSK	50	28	22.64	22.67	22.55	24.0	0.0	
20	Pi2 BPSK	50	56	22.50	22.56	22.41	24.0	0.0	
20	Pi2 BPSK	100	0	22.45	22.64	22.60		24.0	0.0
20	QPSK	1	1	22.63	22.75	22.67			
20	QPSK	1	53	22.42	22.62	22.44	24.0	0.0	
20	QPSK	1	104	22.47	22.60	22.55		24.0	0.0
20	QPSK	50	0	22.49	22.58	22.41			
20	QPSK	50	28	22.62	22.65	22.63	24.0	0.0	
20	QPSK	50	56	22.50	22.57	22.43	24.0	0.0	
20	QPSK	100	0	22.43	22.62	22.42		24.0	0.0
20	16QAM	1	1	22.59	22.61	22.52	24.0		
20	64QAM	1	1	21.73	21.91	21.72	22.5	1.5	
20	256QAM	1	1	19.64	19.69	19.52	20.5	3.5	
Channel				166300	167100	168300	Tune-up limit	MPR	
Frequency (MHz)				831.5	836.5	841.5	(dBm)	(dB)	
15	QPSK	1	1	22.48	22.54	22.39	24.0	0.0	
Channel				165800	167300	168800	Tune-up limit	MPR	
Frequency (MHz)				830	836.5	844	(dBm)	(dB)	
10	QPSK	1	1	22.46	22.51	22.47	24.0	0.0	
Channel				165300	167300	169300	Tune-up limit	MPR	
Frequency (MHz)				828.5	836.5	845.5	(dBm)	(dB)	
5	QPSK	1	1	22.50	22.45	22.42	24.0	0.0	

n66 Ant0 DS16 Standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	350000			
Frequency (MHz)				1730	1745	1760			
40	Pi2 BPSK	1	1	20.65	20.77	20.70		22.1	0.0
40	Pi2 BPSK	1	108	20.75	20.82	20.79			
40	Pi2 BPSK	1	214	20.79	20.85	20.79			
40	Pi2 BPSK	108	0	20.75	20.87	20.75	22.1	0.0	
40	Pi2 BPSK	108	54	20.66	20.81	20.63	22.1	0.0	
40	Pi2 BPSK	108	108	20.91	20.96	20.92	22.1	0.0	
40	Pi2 BPSK	216	0	20.74	20.85	20.76		22.1	0.0
40	QPSK	1	1	20.96	21.08	21.06			
40	QPSK	1	108	20.78	20.95	20.81	22.1	0.0	
40	QPSK	1	214	20.69	20.87	20.73		22.1	0.0
40	QPSK	108	0	20.76	20.89	20.81	22.1		
40	QPSK	108	54	20.85	20.97	20.83	22.1		
40	QPSK	108	108	20.91	20.96	20.84	22.1	0.0	
40	QPSK	216	0	20.71	20.85	20.67		22.1	0.0
40	16QAM	1	1	20.79	20.97	20.91	22.1		
40	64QAM	1	1	20.89	20.98	20.84	22.1		
40	256QAM	1	1	19.25	19.30	19.17	20.5	1.6	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	20.82	21.01	21.00	22.1	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	20.89	20.93	20.91	22.1	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	20.78	21.00	20.96	22.1	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	20.92	20.97	20.91	22.1	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	20.82	20.91	20.90	22.1	0.0	



n2 Ant0 DSI6 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000			
Frequency (MHz)				1860	1860	1900			
20	Pl2 BPSK	1	1	19.29	19.35	19.28			
20	Pl2 BPSK	1	53	19.32	19.39	19.28	20.8		
20	Pl2 BPSK	1	104	19.22	19.36	19.25			
20	Pl2 BPSK	50	0	19.20	19.32	19.25	20.8		
20	Pl2 BPSK	50	28	19.27	19.31	19.18	20.8		
20	Pl2 BPSK	50	56	19.19	19.33	19.26	20.8		
20	Pl2 BPSK	100	0	19.23	19.35	19.24			
20	QPSK	1	1	19.50	19.53	19.44			
20	QPSK	1	53	19.53	19.58	19.26	20.8		
20	QPSK	1	104	19.28	19.42	19.31			
20	QPSK	50	0	19.32	19.37	19.24	20.8		
20	QPSK	50	28	19.33	19.39	19.33	20.8		
20	QPSK	50	56	19.33	19.34	19.26	20.8		
20	QPSK	100	0	19.24	19.36	19.26	20.8		
20	16QAM	1	1	19.37	19.47	19.42	20.8		
20	64QAM	1	1	19.38	19.45	19.35	20.8		
20	256QAM	1	1	19.27	19.35	19.31	20.5		
Channel				1867.5	1880	1902.5			
Frequency (MHz)				1867.5	1880	1902.5			
15	QPSK	1	1	19.48	19.43	19.37	20.8		
Channel				375000	376000	381000			
Frequency (MHz)				1865	1860	1865			
10	QPSK	1	1	19.37	19.42	19.36	20.8		
Channel				370500	376000	381500			
Frequency (MHz)				1862.5	1860	1867.5			
5	QPSK	1	1	19.38	19.48	19.37	20.8		

n5 Ant0 DSI6 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	Pl2 BPSK	1	1	22.62	22.68	22.65			
20	Pl2 BPSK	1	53	22.62	22.63	22.54	24.0		
20	Pl2 BPSK	1	104	22.46	22.60	22.41			
20	Pl2 BPSK	50	0	22.50	22.55	22.49	24.0		
20	Pl2 BPSK	50	28	22.64	22.67	22.56	24.0		
20	Pl2 BPSK	50	56	22.50	22.56	22.41	24.0		
20	Pl2 BPSK	100	0	22.45	22.64	22.60			
20	QPSK	1	1	22.63	22.75	22.67			
20	QPSK	1	53	22.42	22.62	22.44	24.0		
20	QPSK	1	104	22.47	22.60	22.55			
20	QPSK	50	0	22.49	22.58	22.41	24.0		
20	QPSK	50	28	22.62	22.65	22.63	24.0		
20	QPSK	50	56	22.50	22.57	22.43	24.0		
20	QPSK	100	0	22.43	22.62	22.42			
20	16QAM	1	1	22.59	22.61	22.52	24.0		
20	64QAM	1	1	21.73	21.91	21.72	22.5		
20	256QAM	1	1	19.64	19.69	19.52	20.5		
Channel				1633.0	1671.0	16710.0			
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.48	22.54	22.39	24.0		
Channel				165800	167300	168800			
Frequency (MHz)				836	836.5	844			
10	QPSK	1	1	22.46	22.51	22.47	24.0		
Channel				166300	167300	168300			
Frequency (MHz)				834.5	836.5	838.5			
5	QPSK	1	1	22.50	22.45	22.42	24.0		

n66 Ant0 DSI6 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	Pl2 BPSK	1	1	19.31	19.35	19.32			
40	Pl2 BPSK	1	108	19.23	19.34	19.28	20.8		
40	Pl2 BPSK	1	214	19.29	19.37	19.33			
40	Pl2 BPSK	108	0	19.28	19.35	19.32	20.8		
40	Pl2 BPSK	108	54	19.24	19.33	19.30	20.8		
40	Pl2 BPSK	108	108	19.34	19.45	19.40	20.8		
40	Pl2 BPSK	216	0	19.27	19.36	19.30			
40	QPSK	1	1	19.43	19.55	19.51			
40	QPSK	1	108	19.36	19.43	19.37	20.8		
40	QPSK	1	214	19.27	19.39	19.33			
40	QPSK	108	0	19.36	19.38	19.30	20.8		
40	QPSK	108	54	19.31	19.50	19.36	20.8		
40	QPSK	108	108	19.38	19.44	19.38	20.8		
40	QPSK	216	0	19.22	19.38	19.32			
40	16QAM	1	1	19.37	19.45	19.40	20.8		
40	64QAM	1	1	19.45	19.48	19.34	20.8		
40	256QAM	1	1	19.32	19.34	19.28	20.5		
Channel				343000	349000	355000			
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	19.33	19.52	19.44	20.8		
Channel				344000	349000	354000			
Frequency (MHz)				1730	1745	1760			
20	QPSK	1	1	19.39	19.51	19.47	20.8		
Channel				343500	349000	354500			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	19.32	19.43	19.40	20.8		
Channel				343000	349000	355000			
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	19.36	19.52	19.47	20.8		
Channel				342500	349000	355500			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	19.35	19.42	19.37	20.8		



n2 Ant1 DSI6 Standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				1680	1880	1900			
Frequency (MHz)				372000	376000	380000			
20	Pl2 BPSK	1	1	20.69	20.81	20.77		21.6	0.0
20	Pl2 BPSK	1	53	20.70	20.75	20.84			
20	Pl2 BPSK	1	104	20.67	20.71	20.62			
20	Pl2 BPSK	50	0	20.65	20.71	20.69		21.6	0.0
20	Pl2 BPSK	50	28	20.62	20.69	20.56		21.6	0.0
20	Pl2 BPSK	50	56	20.60	20.67	20.54		21.6	0.0
20	Pl2 BPSK	100	0	20.63	20.72	20.63			
20	QPSK	1	1	20.79	20.86	20.75		21.6	0.0
20	QPSK	1	53	20.70	20.75	20.75			
20	QPSK	1	104	20.64	20.69	20.62			
20	QPSK	50	0	20.72	20.71	20.72		21.6	0.0
20	QPSK	50	28	20.64	20.76	20.69		21.6	0.0
20	QPSK	50	56	20.56	20.69	20.65		21.6	0.0
20	QPSK	100	0	20.64	20.73	20.64		21.6	0.0
20	16QAM	1	1	20.67	20.79	20.72		21.6	0.0
20	64QAM	1	1	20.75	20.84	20.79		21.6	0.0
20	256QAM	1	1	19.99	20.19	19.94		21.0	0.6
Channel				1687.5	1880	1902.5	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				37500	37600	38100			
15	QPSK	1	1	20.77	20.75	20.71		21.6	0.0
Channel				375000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1685	1880	1905			
10	QPSK	1	1	20.62	20.78	20.70		21.6	0.0
Channel				370900	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1602.5	1880	1907.5			
5	QPSK	1	1	20.67	20.68	20.59		21.6	0.0

n5 Ant1 DSI6 Standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				168800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	Pl2 BPSK	1	1	22.35	22.36	22.34		24.0	0.0
20	Pl2 BPSK	1	53	22.25	22.30	22.24			
20	Pl2 BPSK	1	104	22.09	22.24	22.14			
20	Pl2 BPSK	50	0	22.05	22.23	22.16		24.0	0.0
20	Pl2 BPSK	50	28	22.31	22.34	22.28		24.0	0.0
20	Pl2 BPSK	50	56	22.08	22.27	22.23		24.0	0.0
20	Pl2 BPSK	100	0	22.28	22.32	22.31			
20	QPSK	1	1	22.52	22.55	22.47		24.0	0.0
20	QPSK	1	53	22.24	22.33	22.23			
20	QPSK	1	104	22.26	22.31	22.31			
20	QPSK	50	0	22.09	22.22	22.05		24.0	0.0
20	QPSK	50	28	22.31	22.33	22.17		24.0	0.0
20	QPSK	50	56	22.20	22.22	22.12		24.0	0.0
20	QPSK	100	0	22.13	22.29	22.15		24.0	0.0
20	16QAM	1	1	22.42	22.37	22.42		24.0	0.0
20	64QAM	1	1	21.70	21.73	21.58		22.5	1.5
20	256QAM	1	1	19.24	19.43	19.23		20.5	3.5
Channel				168300	167400	167300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.36	22.36	22.21		24.0	0.0
Channel				168800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				830	836.5	844			
10	QPSK	1	1	22.42	22.33	22.28		24.0	0.0
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				836.5	836.5	836.5			
5	QPSK	1	1	22.41	22.25	22.29		24.0	0.0

n66 Ant1 DSI6 Standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	Pl2 BPSK	1	1	20.84	20.89	20.85		21.9	0.0
40	Pl2 BPSK	1	108	20.83	20.97	20.89			
40	Pl2 BPSK	1	214	20.82	20.88	20.80			
40	Pl2 BPSK	108	0	20.90	20.93	20.80		21.9	0.0
40	Pl2 BPSK	108	54	20.83	20.89	20.80		21.9	0.0
40	Pl2 BPSK	108	108	20.86	20.98	20.84		21.9	0.0
40	Pl2 BPSK	216	0	20.72	20.86	20.74			
40	QPSK	1	1	20.95	21.05	20.92		21.9	0.0
40	QPSK	1	108	20.98	21.02	20.94			
40	QPSK	1	214	20.84	20.94	20.85			
40	QPSK	108	0	20.72	20.89	20.73		21.9	0.0
40	QPSK	108	54	20.85	20.98	20.77		21.9	0.0
40	QPSK	108	108	20.94	20.94	20.84		21.9	0.0
40	QPSK	216	0	20.82	20.89	20.85		21.9	0.0
40	16QAM	1	1	20.89	20.86	20.80		21.9	0.0
40	64QAM	1	1	20.92	21.01	20.85		21.4	0.5
40	256QAM	1	1	20.06	20.19	20.14		21.0	0.9
Channel				346000	349000	352000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	20.85	20.97	20.86		21.9	0.0
Channel				346000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	20.78	20.94	20.75		21.9	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	20.78	20.90	20.83		21.9	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	20.77	20.91	20.83		21.9	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	20.88	20.98	20.88		21.9	0.0



n2 Ant1 DS16 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				375000	376000	380000			
Frequency (MHz)				1860	1860	1900			
20	PI2 BPSK	1	1	19.21	19.28	19.18			
20	PI2 BPSK	1	53	19.07	19.24	19.09	20.3	0.0	
20	PI2 BPSK	1	104	19.17	19.29	19.14			
20	PI2 BPSK	50	0	19.16	19.23	19.19	20.3	0.0	
20	PI2 BPSK	50	28	19.22	19.26	19.10	20.3	0.0	
20	PI2 BPSK	50	56	19.09	19.25	19.17	20.3	0.0	
20	PI2 BPSK	100	0	19.23	19.27	19.21			
20	QPSK	1	1	19.43	19.48	19.40			
20	QPSK	1	53	19.16	19.29	19.14	20.3	0.0	
20	QPSK	1	104	19.07	19.24	19.20			
20	QPSK	50	0	19.18	19.21	19.06	20.3	0.0	
20	QPSK	50	28	19.10	19.23	19.15	20.3	0.0	
20	QPSK	50	56	19.12	19.16	19.08	20.3	0.0	
20	QPSK	100	0	19.09	19.23	19.11			
20	16QAM	1	1	19.29	19.43	19.37	20.3	0.0	
20	64QAM	1	1	19.20	19.36	19.24	20.3	0.0	
20	256QAM	1	1	19.13	19.22	19.22	20.3	0.0	
Channel				371500	376000	380500	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1873.5	1880	1902.5			
15	QPSK	1	1	19.40	19.34	19.25	20.3	0.0	
Channel				371000	376000	381000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1865	1880	1905			
10	QPSK	1	1	19.27	19.45	19.27	20.3	0.0	
Channel				370500	376000	381000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1892.5 <td>1880</td> <td>1907.5</td> <th></th> <th colspan="2"></th>	1880	1907.5			
5	QPSK	1	1	19.36	19.31	19.37	20.3	0.0	

n5 Ant1 DS16 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	835			
20	PI2 BPSK	1	1	22.35	22.38	22.34			
20	PI2 BPSK	1	53	22.25	22.30	22.24	24.0	0.0	
20	PI2 BPSK	1	104	22.09	22.24	22.14			
20	PI2 BPSK	50	0	22.05	22.23	22.16	24.0	0.0	
20	PI2 BPSK	50	28	22.31	22.34	22.28	24.0	0.0	
20	PI2 BPSK	50	56	22.08	22.27	22.23			
20	PI2 BPSK	100	0	22.28	22.32	22.31	24.0	0.0	
20	QPSK	1	1	22.52	22.55	22.47			
20	QPSK	1	53	22.24	22.33	22.23	24.0	0.0	
20	QPSK	1	104	22.25	22.31	22.31			
20	QPSK	50	0	22.09	22.22	22.05	24.0	0.0	
20	QPSK	50	28	22.31	22.33	22.17	24.0	0.0	
20	QPSK	50	56	22.20	22.22	22.12			
20	QPSK	100	0	22.13	22.25	22.15	24.0	0.0	
20	16QAM	1	1	22.42	22.37	22.42	24.0	0.0	
20	64QAM	1	1	21.70	21.73	21.58	22.5	1.5	
20	256QAM	1	1	19.24	19.43	19.23	20.5	3.5	
Channel				166300	167200	167900	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.36	22.36	22.21	24.0	0.0	
Channel				166800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				835	836.5	844			
10	QPSK	1	1	22.42	22.33	22.28	24.0	0.0	
Channel				166300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				828.5	836.5	840.5			
5	QPSK	1	1	22.41	22.25	22.29	24.0	0.0	

n66 Ant1 DS16 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1720	1745	1760			
40	PI2 BPSK	1	1	19.24	19.37	19.31			
40	PI2 BPSK	1	108	19.20	19.34	19.19	20.6	0.0	
40	PI2 BPSK	1	214	19.35	19.42	19.38			
40	PI2 BPSK	108	0	19.21	19.38	19.32	20.6	0.0	
40	PI2 BPSK	108	54	19.28	19.43	19.32	20.6	0.0	
40	PI2 BPSK	108	108	19.24	19.35	19.20			
40	PI2 BPSK	216	0	19.42	19.48	19.34	20.6	0.0	
40	QPSK	1	1	19.50	19.58	19.48			
40	QPSK	1	108	19.19	19.34	19.20	20.6	0.0	
40	QPSK	1	214	19.38	19.43	19.38			
40	QPSK	108	0	19.26	19.38	19.23	20.6	0.0	
40	QPSK	108	54	19.32	19.48	19.25	20.6	0.0	
40	QPSK	108	108	19.43	19.41	19.36			
40	QPSK	216	0	19.27	19.35	19.27	20.6	0.0	
40	16QAM	1	1	19.30	19.33	19.21	20.6	0.0	
40	64QAM	1	1	19.27	19.43	19.40	20.6	0.0	
40	256QAM	1	1	19.20	19.27	19.31	20.6	0.0	
Channel				345000	345000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	19.34	19.42	19.43	20.6	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	19.30	19.46	19.36	20.6	0.0	
Channel				343000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	19.20	19.39	19.32	20.6	0.0	
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	19.28	19.47	19.25	20.6	0.0	
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	19.34	19.45	19.33	20.6	0.0	



Par270 n77 Ant2_PC3 DS16 Standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq.	Power Max Ch. 1 Freq.	Power High Ch. 1 Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
100	PIQ-BPSK	1	1	17.59	17.68	17.58			
100	PIQ-BPSK	1	137	17.48	17.55	17.45	18.6	0.0	
100	PIQ-BPSK	1	271	17.49	17.75	17.45			
100	PIQ-BPSK	135	0	17.41	17.33	17.45	18.6	0.0	
100	PIQ-BPSK	135	86	17.45	17.85	17.45	18.6	0.0	
100	PIQ-BPSK	135	138	17.34	17.41	17.39	18.6	0.0	
100	PIQ-BPSK	270	0	17.26	17.43	17.24	18.6	0.0	
100	QPSK	1	1	17.52	17.77	17.55			
100	QPSK	1	137	17.53	17.80	17.55	18.6	0.0	
100	QPSK	1	271	17.49	17.75	17.51			
100	QPSK	135	0	17.42	17.46	17.48	18.6	0.0	
100	QPSK	135	86	17.49	17.46	17.49	18.6	0.0	
100	QPSK	135	138	17.25	17.41	17.37	18.6	0.0	
100	QPSK	270	0	17.24	17.38	17.26	18.6	0.0	
100	16QAM	1	1	17.53	17.37	17.25	18.6	0.0	
100	16QAM	1	1	17.59	17.40	17.28	18.6	0.0	
100	16QAM	1	1	17.73	17.25	17.65	18.6	0.0	
Channel									
Frequency [MHz]									
90	QPSK	1	1	17.45	17.58	17.45	18.6	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	17.32	17.32	17.30	18.6	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	17.37	17.43	17.25	18.6	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	17.31	17.41	17.30	18.6	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	17.28	17.43	17.25	18.6	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	17.21	17.42	17.20	18.6	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	17.22	17.43	17.17	18.6	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	17.25	17.36	17.27	18.6	0.0	

Par270 n77 Ant2_PC2 DS16 Standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq.	Power Max Ch. 1 Freq.	Power High Ch. 1 Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
100	PIQ-BPSK	1	1	20.51	20.67	20.59			
100	PIQ-BPSK	1	137	20.58	20.79	20.69	21.6	0.0	
100	PIQ-BPSK	1	271	20.55	20.73	20.57			
100	PIQ-BPSK	135	0	19.39	20.11	19.24	21.6	0.0	
100	PIQ-BPSK	135	86	20.35	20.64	20.32	21.6	0.0	
100	PIQ-BPSK	135	138	20.22	20.22	20.07	21.6	0.0	
100	PIQ-BPSK	270	0	19.55	20.38	19.55	21.6	0.0	
100	QPSK	1	1	20.57	20.75	20.55			
100	QPSK	1	137	20.68	20.87	20.54	21.6	0.0	
100	QPSK	1	271	20.53	20.65	20.54			
100	QPSK	135	0	20.42	20.43	20.42	21.6	0.0	
100	QPSK	135	86	20.34	20.66	20.34	21.6	0.0	
100	QPSK	135	138	20.46	20.47	20.35	21.6	0.0	
100	QPSK	270	0	20.42	20.50	20.41	21.6	0.0	
100	16QAM	1	1	20.46	20.43	20.46	21.6	0.0	
100	16QAM	1	1	20.26	20.33	20.48	21.6	0.0	
100	16QAM	1	1	20.36	20.70	20.42	21.6	0.0	
Channel									
Frequency [MHz]									
90	QPSK	1	1	20.42	20.57	20.45	21.6	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	20.44	20.66	20.49	21.6	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	20.57	20.57	20.51	21.6	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	20.34	20.60	20.53	21.6	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	20.39	20.58	20.52	21.6	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	20.32	20.68	20.55	21.6	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	20.43	20.54	20.42	21.6	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	20.47	20.57	20.44	21.6	0.0	

Par270Q n77_Ant_2_PC3 DS16 Standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq.	Power Max Ch. 1 Freq.	Power High Ch. 1 Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
100	PIQ-BPSK	1	1	17.34					
100	PIQ-BPSK	1	137	17.49			18.6	0.0	
100	PIQ-BPSK	1	271	17.45					
100	PIQ-BPSK	135	0	17.47			18.6		
100	PIQ-BPSK	135	86	17.39			18.6	0.0	
100	PIQ-BPSK	135	138	17.25			18.6	0.0	
100	PIQ-BPSK	270	0	17.41			18.6	0.0	
100	QPSK	1	1	17.55			18.6	0.0	
100	QPSK	1	137	17.46			18.6	0.0	
100	QPSK	1	271	17.37					
100	QPSK	135	0	17.41			18.6	0.0	
100	QPSK	135	86	17.39			18.6	0.0	
100	QPSK	135	138	17.25			18.6	0.0	
100	QPSK	270	0	17.37			18.6	0.0	
100	16QAM	1	1	17.41			18.6	0.0	
100	16QAM	1	1	17.28			18.6	0.0	
100	16QAM	1	1	17.70			18.6	0.0	
Channel									
Frequency [MHz]									
90	QPSK	1	1	17.41	17.63	17.55	20.9	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	17.18	17.53	17.38	20.1	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	17.29	17.48	17.39	20.9	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	17.26	17.44	17.42	20.1	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	17.18	17.42	17.39	20.9	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	17.134	17.334	17.334	Turn-up time (dBm)		
Channel									
Frequency [MHz]									
30	QPSK	1	1	17.24	17.45	17.40	20.1	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	17.26	17.46	17.43	20.9	0.0	

Par270Q n77_Ant_2_PC2 DS16 Standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq.	Power Max Ch. 1 Freq.	Power High Ch. 1 Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
100	PIQ-BPSK	1	1	20.51					
100	PIQ-BPSK	1	139	20.64			21.0	0.0	
100	PIQ-BPSK	1	277	20.77			21.0	0.0	
100	PIQ-BPSK	156	0	20.50			21.0	0.0	
100	PIQ-BPSK	156	136	20.63			21.0	0.0	
100	PIQ-BPSK	273	0	20.51			21.0	0.0	
100	PIQ-BPSK	1	139	20.54			21.0	0.0	
100	PIQ-BPSK	1	277	20.67			21.0	0.0	
100	QPSK	156	0	20.58			21.0	0.0	
100	QPSK	156	136	20.71			21.0	0.0	
100	QPSK	273	0	20.62			21.0	0.0	
100	QPSK	273	136	20.75			21.0	0.0	
100	QPSK	1	139	18.83			21.0	0.0	
100	QPSK	1	277	18.96			21.0	0.0	
Channel				615000	615354	615698			MPR
50	QPSK	1	1	20.51	20.49	20.50	20.0	0.0	
50	QPSK	1	139	20.64	20.63	20.64	20.0	0.0	
50	QPSK	1	277	20.77	20.76	20.77	20.0	0.0	
50	QPSK	1	1	20.42	20.40	20.36	21.0	0.0	
50	QPSK	1	139	20.55	20.53	20.49	21.0	0.0	
50	QPSK	1	277	20.68	20.66	20.61	21.0	0.0	
Channel				615600	615954	616308			MPR
50	QPSK	1	1	20.42	20.40	20.36	21.0	0.0	
50	QPSK	1	139	20.55	20.53	20.49	21.0	0.0	
50	QPSK	1	277	20.68	20.66	20.61	21.0	0.0	
Channel				615850	616204	616558			MPR
50	QPSK	1	1	20.34	20.48	20.41	21.0	0.0	
50	QPSK	1	139	20.47	20.48	20.48	21.0	0.0	
50	QPSK	1	277	20.60	20.61	20.61	21.0	0.0	
Channel				616100	616454	616808			MPR
50	QPSK	1	1	20.37	20.45	20.41	20.50	21.0	0.0
50	QPSK	1	139	20.50	20.48	20.37	21.0	0.0	
Channel				616350	616704	617058			MPR
50	QPSK	1	1	20.30	20.48	20.37	21.0	0.0	

Part270 n78 Ant2_PC3 DSi6 Standalone							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq.)	Power Max Ch. 1 (Freq.)	Power High Ch. 1 (Freq.)	Time-up time (dBm)
Channel				850000	850000	850000	MPR (dB)
Frequency (MHz)				3170	3170	3170	
100	PLC BPSK	1	1	17.45			
100	PLC BPSK	1	137	17.35			18.6
100	PLC BPSK	1	271	17.35			
100	PLC BPSK	135	0	17.35			18.6
100	PLC BPSK	135	135	17.35			18.6
100	PLC BPSK	135	136	17.21			18.6
100	PLC BPSK	270	0	17.21			18.6
100	QPSK	1	1	17.35			
100	QPSK	1	137	17.45			18.6
100	QPSK	1	271	17.35			
100	QPSK	135	0	17.25			18.6
100	QPSK	135	135	17.25			18.6
100	QPSK	135	136	17.21			18.6
100	QPSK	270	0	17.18			18.6
100	16QAM	1	1	17.17			18.6
100	64QAM	1	1	17.34			18.6
100	256QAM	1	1	17.34			18.6
Channel				849056	850000	850224	Time-up time (dBm)
90	QPSK	1	1	17.22	17.15	17.25	18.6
Channel				849334	850000	850666	Time-up time (dBm)
Frequency (MHz)	3154.01	3150	3150.00				
90	QPSK	1	1	17.18	17.24	17.28	18.6
Channel				850000	850000	850000	Time-up time (dBm)
Frequency (MHz)	3155	3150	3150				
70	QPSK	1	1	17.18	17.24	17.24	18.6
Channel				849600	850000	849200	Time-up time (dBm)
90	QPSK	1	1	17.20	17.28	17.2	18.6
Channel				849334	850000	849666	Time-up time (dBm)
Frequency (MHz)	3152.01	3150	3150				
40	QPSK	1	1	17.24	17.28	17.25	18.6
Channel				849056	850000	849056	Time-up time (dBm)
Frequency (MHz)	3151.02	3150	3150.01				
90	QPSK	1	1	17.12	17.28	17.2	18.6
Channel				849334	850000	849666	Time-up time (dBm)
Frequency (MHz)	3152.01	3150	3150				
30	QPSK	1	1	17.27	17.28	17.25	18.6

Part270 n78_Ant 2_PC3 DSi6 Standalone							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq.)	Power Max Ch. 1 (Freq.)	Power High Ch. 1 (Freq.)	Time-up time (dBm)
Channel				850000	850000	850000	MPR (dB)
Frequency (MHz)				3174	3174	3174	
100	PLC BPSK	1	1	17.34			
100	PLC BPSK	1	137	17.29			18.6
100	PLC BPSK	1	271	17.42			
100	PLC BPSK	135	0	17.31			18.6
100	PLC BPSK	135	135	17.29			18.6
100	PLC BPSK	135	136	17.14			18.6
100	PLC BPSK	270	0	17.17			18.6
100	QPSK	1	1	17.31			
100	QPSK	1	137	17.31			18.6
100	QPSK	1	271	17.26			
100	QPSK	135	0	17.09			18.6
100	QPSK	135	135	17.09			18.6
100	QPSK	135	136	17.15			18.6
100	QPSK	270	0	17.18			18.6
100	16QAM	1	1	17.13			18.6
100	64QAM	1	1	17.29			18.6
100	256QAM	1	1	17.15			18.6
Channel				850000	850224	850666	Time-up time (dBm)
Frequency (MHz)	3175	3170	3170				
90	QPSK	1	1	17.18	17.25	17.25	18.6
Channel				850668	850334	850000	Time-up time (dBm)
Frequency (MHz)	3459.02	3450.00	3450				
90	QPSK	1	1	17.30	17.25	17.28	18.6
Channel				850224	850000	849776	Time-up time (dBm)
Frequency (MHz)	3455.01	3450.00	3450.01				
70	QPSK	1	1	17.24	17.27	17.25	18.6
Channel				850000	850224	850666	Time-up time (dBm)
Frequency (MHz)	3459.02	3450.00	3450				
90	QPSK	1	1	17.32	17.25	17.24	18.6
Channel				851668	850334	850000	Time-up time (dBm)
Frequency (MHz)	3458.02	3450.00	3450				
90	QPSK	1	1	17.27	17.23	17.32	18.6
Channel				851334	850334	850334	Time-up time (dBm)
Frequency (MHz)	3459.01	3450.00	3450.01				
40	QPSK	1	1	17.19	17.17	17.25	18.6
Channel				851112	850334	850334	Time-up time (dBm)
Frequency (MHz)	3460	3450.00	3450.02				
30	QPSK	1	1	17.24	17.25	17.23	18.6
Channel				850668	850334	850000	Time-up time (dBm)
Frequency (MHz)	3459.01	3450.00	3450				
20	QPSK	1	1	17.31	17.15	17.25	18.6



Par270 n77 Ant2_PC3 DS16 Simultaneous											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 [Freq.]	Power Media Ch.1 [Freq.]	Power High Ch.1 [Freq.]	Turnup time (dBm)	MPE (dB)			
Channel											
Frequency [MHz]											
100	PIC2-BPSK	1	1	18.08	18.18	18.18		17.1	0.0		
100	PIC2-BPSK	1	137	18.05	18.05	18.05					
100	PIC2-BPSK	1	271	18.21	18.21	18.15					
100	PIC2-BPSK	135	0	18.07	18.02	18.04		17.1	0.0		
100	PIC2-BPSK	135	68	18.05	18.05	18.05					
100	PIC2-BPSK	135	134	18.09	18.02	18.05					
100	PIC2-BPSK	270	0	18.14	18.08	18.05		17.1	0.0		
100	QPSK	1	1	18.23	18.27	18.01					
100	QPSK	1	137	18.09	18.12	18.01					
100	QPSK	1	271	18.13	18.21	18.25		17.1	0.0		
100	QPSK	135	0	18.09	18.04	18.05					
100	QPSK	135	68	18.05	18.05	18.01					
100	QPSK	135	134	18.09	18.09	18.01		17.1	0.0		
100	QPSK	270	0	18.16	18.01	18.01					
100	16QAM	1	1	18.05	18.05	18.14					
100	16QAM	1	1	18.07	18.30	18.22	18.1	1.0	0.0		
100	16QAM	1	1	18.15	18.40	18.40	18.1				
100	16QAM	1	1	18.23	18.40	18.40	18.1				
Channel											
Frequency [MHz]											
90	QPSK	1	1	18.14	18.14	18.05	18.0	17.1	0.0		
90	QPSK	1	137	18.05	18.05	18.05					
90	QPSK	1	271	18.21	18.21	18.15					
80	QPSK	1	1	18.11	18.15	18.04	18.0	17.1	0.0		
80	QPSK	1	137	18.05	18.05	18.05					
80	QPSK	1	271	18.21	18.21	18.15					
70	QPSK	1	1	18.09	18.18	18.02	18.0	17.1	0.0		
70	QPSK	1	137	18.05	18.05	18.05					
70	QPSK	1	271	18.21	18.21	18.15					
60	QPSK	1	1	18.14	18.14	18.04	18.0	17.1	0.0		
60	QPSK	1	137	18.05	18.05	18.05					
60	QPSK	1	271	18.21	18.21	18.15					
50	QPSK	1	1	18.11	18.21	18.05	18.0	17.1	0.0		
50	QPSK	1	137	18.05	18.05	18.05					
50	QPSK	1	271	18.21	18.21	18.15					
40	QPSK	1	1	18.09	18.20	18.05	18.0	17.1	0.0		
40	QPSK	1	137	18.05	18.05	18.05					
40	QPSK	1	271	18.21	18.21	18.15					
30	QPSK	1	1	18.12	18.11	18.05	18.0	17.1	0.0		
30	QPSK	1	137	18.05	18.05	18.05					
30	QPSK	1	271	18.21	18.21	18.15					
20	QPSK	1	1	18.14	18.10	18.05	18.0	17.1	0.0		
20	QPSK	1	137	18.05	18.05	18.05					
20	QPSK	1	271	18.21	18.21	18.15					

Par270 n77_Ant2_PC2 DS16 Simultaneous											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 [Freq.]	Power Media Ch.1 [Freq.]	Power High Ch.1 [Freq.]	Turn-up time (dBm)	MPE (dB)			
Channel											
Frequency [MHz]											
100	PIC2-BPSK	1	1	18.07	18.23	18.25		20.1	0.0		
100	PIC2-BPSK	1	137	18.12	18.28	18.22					
100	PIC2-BPSK	1	271	18.11	18.23	18.15					
100	PIC2-BPSK	135	0	18.05	18.07	18.20		20.1	0.0		
100	PIC2-BPSK	135	68	18.11	18.20	18.20					
100	PIC2-BPSK	135	134	18.16	18.16	18.03					
100	PIC2-BPSK	270	0	18.01	18.02	18.41	20.1	0.0	0.0		
100	QPSK	1	1	18.13	18.20	18.24					
100	QPSK	1	137	18.22	18.23	18.19	20.1				
100	QPSK	1	271	18.09	18.23	18.20		20.1	0.0		
100	QPSK	135	0	18.18	18.27	18.18	20.1				
100	QPSK	135	68	18.18	18.18	18.01	20.1				
100	QPSK	135	134	18.12	18.13	18.01	20.1	0.0	0.0		
100	QPSK	270	0	18.16	18.16	17.87	20.1				
100	16QAM	1	1	17.88	18.20	17.91	20.1				
100	16QAM	1	1	18.04	18.03	17.84	20.1	0.0	0.0		
100	16QAM	1	1	18.12	18.04	18.10	20.1				
100	16QAM	1	1	18.22	18.04	18.10	20.1				
Channel											
Frequency [MHz]											
90	QPSK	1	1	18.05	18.23	18.15	20.1	17.1	0.0		
90	QPSK	1	137	18.05	18.05	18.05					
90	QPSK	1	271	18.21	18.21	18.15					
80	QPSK	1	1	18.09	18.15	18.18	20.1	17.1	0.0		
80	QPSK	1	137	18.05	18.05	18.05					
80	QPSK	1	271	18.21	18.21	18.15					
70	QPSK	1	1	18.03	18.23	18.15	20.1	17.1	0.0		
70	QPSK	1	137	18.05	18.05	18.05					
70	QPSK	1	271	18.21	18.21	18.15					
60	QPSK	1	1	18.10	18.21	18.10	20.1	17.1	0.0		
60	QPSK	1	137	18.05	18.05	18.05					
60	QPSK	1	271	18.21	18.21	18.15					
50	QPSK	1	1	18.09	18.18	18.18	20.1	17.1	0.0		
50	QPSK	1	137	18.05	18.05	18.05					
50	QPSK	1	271	18.21	18.21	18.15					
40	QPSK	1	1	18.09	18.12	18.10	20.1	17.1	0.0		
40	QPSK	1	137	18.05	18.05	18.05					
40	QPSK	1	271	18.21	18.21	18.15					
30	QPSK	1	1	18.08	18.16	18.08	20.1	17.1	0.0		
30	QPSK	1	137	18.05	18.05	18.05					
30	QPSK	1	271	18.21	18.21	18.15					
20	QPSK	1	1	18.09	18.17	18.05	20.1	17.1	0.0		
20	QPSK	1	137	18.05	18.05	18.05					
20	QPSK	1	271	18.21	18.21	18.15					

Par270Q n77_Ant_2_PC3 DS16 Simultaneous												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 [Freq.]	Power Media Ch.1 [Freq.]	Power High Ch.1 [Freq.]	Turn-up time (dBm)	MPE (dB)				
Channel												
Frequency [MHz]												
100	PIC2-BPSK	1	0	18.18			17.1	0.0				
100	PIC2-BPSK	1	137	18.03								
100	PIC2-BPSK	1	271	18.13								
100	PIC2-BPSK	135	0	18.05			17.1	0.0				
100	PIC2-BPSK	135	68	18.05								
100	PIC2-BPSK	135	134	18.09								
100	PIC2-BPSK	270	0	18.08			17.1	0.0				
100	QPSK	1	1	18.23								
100	QPSK	1	137	18.07								
100	QPSK	1	271	18.14			17.1	0.0				
100	QPSK	135	0	18.07								
100	QPSK	135	68	18.05								
100	QPSK	135	134	18.09			17.1	0.0				
100	QPSK	270	0	18.08								
100	16QAM	1	1	18.08								
100	16QAM	1	1	18.03			17.1	0.0				
100	16QAM	1	1	18.11								
100	16QAM	1	1	18.11								
Channel												
Frequency [MHz]												
90	QPSK	1	1	18.05	18.07	18.10	17.1	17.1	0.0			
90	QPSK	1	137	18.05	18.05	18.05						
90	QPSK	1	271	18.09	18.09	18.05	17.1					
80	QPSK	1	1	18.03	18.03	18.03	17.1	17.1	0.0			
80	QPSK	1	137	18.05	18.05	18.05						
80	QPSK	1	271	18.21	18.21	18.15						
70	QPSK	1	1	18.05	18.05	18.11	17.1	17.1	0.0			
70	QPSK	1	137	18.05	18.05	18.05						
70	QPSK	1	271	18.21	18.21	18.15						
60	QPSK	1	1	18.08	18.08	18.13	17.1	17.1	0.0			
60	QPSK	1	137	18.05	18.05	18.05						
60	QPSK	1	271	18.21	18.21	18.15						
50	QPSK	1	1	18.05	18.03	18.08	17.1	17.1	0.0			
50	QPSK	1	137	18.05	18.05	18.05						
50	QPSK	1	271	18.21	18.21	18.15		17.1	0.0			
40	QPSK	1	1	18.04	18.07	18.10	17.1					
40	QPSK	1	137	18.05	18.05	18.05		17.1	0.0			
40	QPSK	1	271	18.21	18.21	18.15						
30	QPSK	1	1	18.05	18.01	18.06	17.1	17.1	0.0			
30	QPSK	1	137	18.05	18.05	18.05						
30	QPSK	1	271	18.21	18.21	18.15		17.1	0.0			
20	QPSK	1	1	18.04	18.07	18.08	17.1					

Part270 n78 Ant2_PC3 DS16 Simultaneous								
BW (MHz)	Modulation	RB Size	RB Offset	Low Ch. Power (dBm)	Mid Ch. Power (dBm)	High Ch. Power (dBm)	Tune-up time (min)	MFR (dB)
Channel								
Frequency (MHz)								
100	PI2-BPSK	1	1		15.09			
100	PI2-BPSK	1	137		14.93		17.1	0.0
100	PI2-BPSK	1	271		15.11			
100	PI2-BPSK	135	0		15.92		17.1	0.0
100	PI2-BPSK	135	0		15.83		17.1	0.0
100	PI2-BPSK	135	136		15.82		17.1	0.0
100	PI2-BPSK	270	0		15.88			
100	QPSK	1	1		15.25			
100	QPSK	1	137		16.82		17.1	0.0
100	QPSK	1	271		16.11			
100	QPSK	135	0		15.84		17.1	0.0
100	QPSK	135	0		15.80		17.1	0.0
100	QPSK	135	136		15.79		17.1	0.0
100	QPSK	270	0		15.81			
100	SSB-QAM	1	1		15.75		17.1	0.0
100	SSB-QAM	1	1		15.75		17.1	0.0
Channel				E49688	E55000	E55034		MFR
Frequency (MHz)								
90	QPSK	1	1	16.12	16.13	16.20	17.1	0.0
Channel				E59334	E55000	E55098		MFR
Frequency (MHz)								
80	QPSK	1	1	16.01	16.16	16.21	17.1	0.0
Channel				E59000	E55000	E55034		MFR
Frequency (MHz)								
70	QPSK	1	1	16.05	16.19	16.16	17.1	0.0
Channel				E59000	E55000	E55034		MFR
Frequency (MHz)								
60	QPSK	1	1	16.12	16.16	16.11	17.1	0.0
Channel				E59334	E55000	E55098		MFR
Frequency (MHz)								
50	QPSK	1	1	16.09	16.16	16.14	17.1	0.0
Channel				E59000	E55000	E55098		MFR
Frequency (MHz)								
40	QPSK	1	1	16.01	16.19	16.05	17.1	0.0
Channel				E59000	E55000	E55034		MFR
Frequency (MHz)								
30	QPSK	1	1	16.08	16.16	16.02	17.1	0.0
Channel				E59334	E55000	E55098		MFR
Frequency (MHz)								
20	QPSK	1	1	16.02	16.15	16.10	17.1	0.0

Part27Q n78_Ant_2_PC3 DS16 Simultaneous								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Max Ch. (Frac.)	Power High Ch. (Frac.)	Tune-up time (min)	MFR (dB)
Channel				E53534				
Frequency (MHz)								
100	PI2-BPSK	1	1	15.06				
100	PI2-BPSK	1	137		15.93		17.1	0.0
100	PI2-BPSK	1	271		15.08			
100	PI2-BPSK	135	0		15.85		17.1	0.0
100	PI2-BPSK	135	0		15.80		17.1	0.0
100	PI2-BPSK	135	136		15.59		17.1	0.0
100	PI2-BPSK	270	0		15.76			
100	QPSK	1	1	15.15				
100	QPSK	1	137		15.87		17.1	0.0
100	QPSK	1	271		15.04			
100	QPSK	135	0		15.77		17.1	0.0
100	QPSK	135	0		15.66		17.1	0.0
100	QPSK	135	136		15.72		17.1	0.0
100	QPSK	270	0		15.79			
100	SSB-QAM	1	1	15.78			17.1	0.0
100	SSB-QAM	1	1	15.75			17.1	0.0
100	SSB-QAM	1	1	15.75			17.1	0.0
Channel				E53000	E53534	E53098		MFR
Frequency (MHz)								
90	QPSK	1	1	15.70	15.80	15.80	17.1	0.0
Channel				E53098	E53534	E54000		MFR
Frequency (MHz)								
80	QPSK	1	1	15.67	15.85	15.91	17.1	0.0
Channel				E53000	E53534	E53034		MFR
Frequency (MHz)								
70	QPSK	1	1	15.65	15.80	15.85	17.1	0.0
Channel				E53000	E53534	E53098		MFR
Frequency (MHz)								
60	QPSK	1	1	15.65	15.80	15.79	17.1	0.0
Channel				E53098	E53534	E53000		MFR
Frequency (MHz)								
50	QPSK	1	1	15.65	15.86	16.01	17.1	0.0
Channel				E53034	E53534	E53034		MFR
Frequency (MHz)								
40	QPSK	1	1	15.62	15.81	15.81	17.1	0.0
Channel				E53000	E53534	E53034		MFR
Frequency (MHz)								
30	QPSK	1	1	15.67	15.86	15.80	17.1	0.0
Channel				E53098	E53534	E53098		MFR
Frequency (MHz)								
20	QPSK	1	1	15.70	15.82	15.92	17.1	0.0

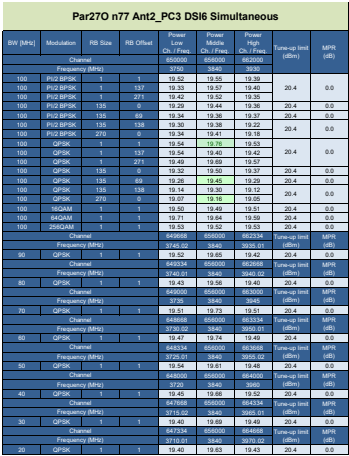
Par270 n77_Ant7_PC3 DS16 Standalone											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Media Ch.1 Freq.	Power High Ch.1 Freq.	Turnup time (dBm)	MPE (dB)			
Channel											
Frequency [MHz]											
100	PLC-BPSK	1	1	21.04	21.08	20.92		21.9	0.0		
100	PLC-BPSK	1	137	20.79	21.09	20.96					
100	PLC-BPSK	1	271	20.50	21.05	20.94					
100	PLC-BPSK	135	0	20.75	20.95	20.85	21.9				
100	PLC-BPSK	135	60	20.87	20.86	20.89	21.9				
100	PLC-BPSK	135	138	20.79	20.84	20.76	21.9				
100	PLC-BPSK	270	0	20.86	20.94	20.72					
100	QPSK	1	1	21.04	21.05	21.05		21.9	0.0		
100	QPSK	1	137	21.02	20.91	20.91					
100	QPSK	1	271	21.00	21.10	21.03					
100	QPSK	135	0	20.78	20.98	20.82	21.9				
100	QPSK	135	60	20.79	20.80	20.78	21.9				
100	QPSK	135	138	20.69	20.79	20.64	21.9				
100	QPSK	270	0	20.62	20.87	20.56	21.9				
100	16QAM	1	1	20.98	20.98	20.98	21.9				
100	16QAM	1	1	20.29	20.12	20.12	21.9				
100	16QAM	1	1	20.14	20.16	20.02	21.9				
Channel											
Frequency [MHz]											
90	QPSK	1	1	20.52	21.07	20.50	21.9	0.0	MPE		
90	QPSK	1	137	20.50	20.99	20.99	21.9				
Channel											
Frequency [MHz]											
80	QPSK	1	1	20.92	21.06	20.96	21.9	0.0	MPE		
80	QPSK	1	137	20.90	20.99	20.99	21.9				
Channel											
Frequency [MHz]											
70	QPSK	1	1	20.81	21.07	20.83	21.9	0.0	MPE		
70	QPSK	1	137	20.79	20.99	20.99	21.9				
Channel											
Frequency [MHz]											
60	QPSK	1	1	20.62	20.98	20.60	21.9	0.0	MPE		
60	QPSK	1	137	20.60	20.97	20.97	21.9				
Channel											
Frequency [MHz]											
50	QPSK	1	1	20.42	20.91	20.40	21.9	0.0	MPE		
50	QPSK	1	137	20.40	20.90	20.90	21.9				
Channel											
Frequency [MHz]											
40	QPSK	1	1	20.20	20.81	20.20	21.9	0.0	MPE		
40	QPSK	1	137	20.18	20.80	20.80	21.9				
Channel											
Frequency [MHz]											
30	QPSK	1	1	20.02	20.68	20.02	21.9	0.0	MPE		
30	QPSK	1	137	20.00	20.67	20.67	21.9				
Channel											
Frequency [MHz]											
20	QPSK	1	1	20.80	21.06	20.80	21.9	0.0	MPE		
20	QPSK	1	137	20.78	21.05	21.05	21.9				

Par270 n77 Ant7_PC2 DS16 Standalone											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Media Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPE (dB)			
Channel											
Frequency [MHz]											
100	PLC-BPSK	1	1	20.98	21.07	20.89		24.9	0.0		
100	PLC-BPSK	1	137	20.98	20.98	20.89					
100	PLC-BPSK	1	271	20.95	21.02	20.94					
100	PLC-BPSK	135	0	20.39	20.91	20.93	24.9				
100	PLC-BPSK	135	60	20.85	20.86	20.82	24.9				
100	PLC-BPSK	135	138	20.25	20.34	20.33	24.9				
100	PLC-BPSK	270	0	20.92	20.90	20.97	24.9				
100	QPSK	1	1	20.95	20.95	20.97		24.9	0.0		
100	QPSK	1	137	20.95	20.95	20.97	24.9				
100	QPSK	1	271	20.79	20.87	20.85					
100	QPSK	135	0	20.89	20.91	20.89	24.9				
100	QPSK	135	60	20.94	20.86	20.79	24.9				
100	QPSK	135	138	20.81	20.80	20.81	24.9				
100	QPSK	270	0	20.91	20.87	20.85	24.9				
100	16QAM	1	1	20.75	20.83	20.76	24.9				
100	16QAM	1	1	20.85	20.82	20.75	24.9				
100	16QAM	1	1	20.93	21.01	21.01	24.9				
Channel											
Frequency [MHz]											
90	QPSK	1	1	20.96	21.06	20.71	24.9	0.0	MPE		
90	QPSK	1	137	20.94	20.99	20.99	24.9				
Channel											
Frequency [MHz]											
80	QPSK	1	1	20.96	21.05	20.92	24.9	0.0	MPE		
80	QPSK	1	137	20.94	20.99	20.99	24.9				
Channel											
Frequency [MHz]											
70	QPSK	1	1	20.89	20.95	20.75	24.9	0.0	MPE		
70	QPSK	1	137	20.87	20.90	20.90	24.9				
Channel											
Frequency [MHz]											
60	QPSK	1	1	20.78	20.90	20.71	24.9	0.0	MPE		
60	QPSK	1	137	20.76	20.89	20.89	24.9				
Channel											
Frequency [MHz]											
50	QPSK	1	1	20.61	20.85	20.65	24.9	0.0	MPE		
50	QPSK	1	137	20.59	20.84	20.84	24.9				
Channel											
Frequency [MHz]											
40	QPSK	1	1	20.41	20.68	20.75	24.9	0.0	MPE		
40	QPSK	1	137	20.39	20.67	20.67	24.9				
Channel											
Frequency [MHz]											
30	QPSK	1	1	20.28	20.54	20.68	24.9	0.0	MPE		
30	QPSK	1	137	20.26	20.53	20.53	24.9				
Channel											
Frequency [MHz]											
20	QPSK	1	1	20.00	20.90	20.72	24.9	0.0	MPE		
20	QPSK	1	137	19.98	20.89	20.89	24.9				

Par270Q n77_Ant_7_PC3 DS16 Standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. [MHz]	Power Media Ch. Freq. [MHz]	Power High Ch. Freq. [MHz]	Turn-up time [dBm]	MPE (dB)	
Channel									
Frequency [MHz]									
100	PLC-BPSK	1	1	20.85			21.9	0.0	
100	PLC-BPSK	1	137	20.85					
100	PLC-BPSK	1	271	20.85					
100	PLC-BPSK	135	0	20.84			21.9		
100	PLC-BPSK	135	60	20.79			21.9		0.0
100	PLC-BPSK	135	138	20.82			21.9		0.0
100	QPSK	270	0	20.86			21.9		0.0
100	QPSK	1	1	20.91			21.9	0.0	
100	QPSK	1	137	20.91					
100	QPSK	1	271	20.91					
100	QPSK	135	0	20.82			21.9		
100	QPSK	135	60	20.71			21.9		0.0
100	QPSK	135	138	20.85			21.9		0.0
100	QPSK	270	0	20.85			21.9		0.0
100	16QAM	1	1	20.92			21.9		0.0
100	16QAM	1	1	20.11			21.9		0.0
Channel									
Frequency [MHz]									
90	QPSK	1	1	20.85	21.13	20.97	21.9		MPE
90	QPSK	1	137	20.85	21.13	20.97	21.9		MPE
Channel									
Frequency [MHz]									
80	QPSK	1	1	20.88	21.17	20.92	21.9		0.0
80	QPSK	1	137	20.88	21.17	20.92	21.9		0.0
Channel									
Frequency [MHz]									
70	QPSK	1	1	20.85	21.00	20.93	21.9		MPE
70	QPSK	1	137	20.85	21.00	20.93	21.9		MPE
Channel									
Frequency [MHz]									
60	QPSK	1	1	20.90	21.03	20.96	21.9		MPE
60	QPSK	1	137	20.90	21.03	20.96	21.9		MPE
Channel									
Frequency [MHz]									
50	QPSK	1	1	20.84	21.12	20.90	21.9		0.0
50	QPSK	1	137	20.84	21.12	20.90	21.9		0.0
Channel									
Frequency [MHz]									
40	QPSK	1	1	20.85	21.09	20.99	21.9		0.0
40	QPSK	1	137	20.85	21.09	20.99	21.9		0.0
Channel									
Frequency [MHz]									
30	QPSK	1	1	20.92	21.03	20.98	21.9		0.0
30	QPSK	1	137	20.92	21.03	20.98	21.9		0.0
Channel									
Frequency [MHz]									
20	QPSK	1	1	20.89	21.03	20.91	21.9		MPE
20	QPSK	1	137	20.89	21.03	20.91	21.9		MPE

Part270 n78 Ant7_PC3 DS16 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. 1 Freq.	Power Main Ch. 1 Freq.	Power High Ch. 1 Freq.	Tune-up time (min)	MPS (dB)	
Channel									
Frequency (MHz)									
100	PV2 BPSK	1	1	21.06	21.06	21.06			
100	PV2 BPSK	1	137	21.09	21.09	21.09	21.9	0.0	
100	PV2 BPSK	1	219	21.05	21.05	21.05			
100	PV2 BPSK	138	0	20.25	20.25	20.25	21.9	0.0	
100	PV2 BPSK	138	0	20.25	20.25	20.25	21.9	0.0	
100	PV2 BPSK	138	138	20.84	20.84	20.84	21.9	0.0	
100	PV2 BPSK	270	0	20.94	20.94	20.94	21.9	0.0	
100	QPSK	1	1	21.06	21.06	21.06			
100	QPSK	1	137	20.91	20.91	20.91	21.9	0.0	
100	QPSK	1	219	21.19	21.19	21.19			
100	QPSK	138	0	20.23	20.23	20.23	21.9	0.0	
100	QPSK	138	0	20.23	20.23	20.23	21.9	0.0	
100	QPSK	138	138	20.86	20.86	20.86	21.9	0.0	
100	QPSK	270	0	20.97	20.97	20.97	21.9	0.0	
100	16QAM	1	1	20.98	20.98	20.98	21.9	0.0	
100	64QAM	1	1	20.99	20.99	20.99	21.9	0.4	
100	256QAM	1	1	18.28	18.28	18.28	21.9	2.4	
Channel									
Frequency (MHz)									
90	QPSK	1	1	21.14	21.06	21.21	21.9	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	21.26	21.17	21.18	21.9	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	21.16	21.16	21.04	21.9	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	21.18	21.09	21.21	21.9	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	21.22	21.11	21.08	21.9	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	21.07	21.16	21.19	21.9	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.16	21.18	21.08	21.9	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.18	21.12	21.21	21.9	0.0	

Part27Q n78_FCC Ant 7_PC3 DS16 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. 1 Freq. (MHz)	Power Main Ch. 1 Freq. (MHz)	Power High Ch. 1 Freq. (MHz)	Tune-up time (min)	MPS (dB)	
Channel									
Frequency (MHz)									
100	PV2 BPSK	1	1	20.79	20.79	20.79		21.9	0.0
100	PV2 BPSK	1	137	20.89	20.89	20.89		21.9	0.0
100	PV2 BPSK	1	219	20.78	20.78	20.78		21.9	0.0
100	PV2 BPSK	138	0	20.74	20.74	20.74	21.9	0.0	
100	PV2 BPSK	138	0	20.74	20.74	20.74	21.9	0.0	
100	PV2 BPSK	138	138	20.72	20.72	20.72	21.9	0.0	
100	PV2 BPSK	270	0	20.76	20.76	20.76	21.9	0.0	
100	QPSK	1	1	20.87	20.87	20.87		21.9	0.0
100	QPSK	1	137	20.81	20.81	20.81		21.9	0.0
100	QPSK	1	219	21.03	21.03	21.03		21.9	0.0
100	QPSK	138	0	20.83	20.83	20.83	21.9	0.0	
100	QPSK	138	0	20.86	20.86	20.86	21.9	0.4	
100	QPSK	138	138	20.81	20.81	20.81	21.9	0.0	
100	QPSK	270	0	20.75	20.75	20.75	21.9	0.0	
100	16QAM	1	1	20.86	20.86	20.86	21.9	0.0	
100	64QAM	1	1	20.84	20.84	20.84	21.9	0.4	
100	256QAM	1	1	18.15	18.15	18.15	21.9	2.4	
Channel									
Frequency (MHz)									
90	QPSK	1	1	20.86	21.03	20.93	21.9	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.99	21.09	20.94	21.9	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	20.97	21.03	20.95	21.9	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.87	21.02	20.91	21.9	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.86	21.04	20.90	21.9	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	20.86	21.07	20.92	21.9	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.87	21.13	20.86	21.9	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.95	21.03	20.90	21.9	0.0	



Par270 n77 Ant2_PC2 DS16 Simultaneous												
Site (MHz)	Modulation	RF Side	RF Offset	Ch. Type	Power dBm	Modulation	RF Side	RF Offset	Ch. Type	Power dBm	Integration Time (s)	SNR (dB)
Frequency (MHz)												
150	PSK16QAM	1	149	22.36	23.43	22.26						
150	PSK16QAM	1	149	-22.42	23.43	22.26	23.4			0.0		
150	PSK16QAM	1	149	-22.42	23.43	22.26						
150	PSK16QAM	198	0	-21.77	21.56	21.83		22.8		0.0		
150	PSK16QAM	198	0	-21.77	21.56	21.83		22.8				
150	PSK16QAM	198	136	-21.86	21.76	21.96		23.4		0.0		
150	PSK16QAM	198	136	-21.86	21.76	21.96		23.4				
150	QPSK	2312	0	-21.61	21.75	21.87		22.4		0.0		
150	QPSK	2312	0	-21.61	21.75	21.87		22.4				
150	QPSK	1	149	-22.36	23.39	22.27		23.4		0.0		
150	QPSK	1	149	-22.36	23.39	22.27		23.4				
150	QPSK	198	0	-22.50	22.28	22.25		22.8		0.0		
150	QPSK	198	0	-22.50	22.28	22.25		22.8				
150	QPSK	198	136	-22.58	22.10	21.77		23.4		0.0		
150	QPSK	198	136	-22.58	22.10	21.77		23.4				
150	QPSK	2312	0	-21.26	22.22	21.78		22.4		0.0		
150	QPSK	2312	0	-21.26	22.22	21.78		22.4				
150	QPSK	1	149	-21.46	21.87	21.51		22.4		0.0		
150	QPSK	1	149	-21.46	21.87	21.51		22.4				
Channel												
150	QPSK	1	149	048668	048668	042324	Integ. Time		1474			
150	QPSK	1	149	048668	048668	042324	Integ. Time		1474			
50	QPSK	1	149	-22.37	22.32	22.31				0.0		
50	QPSK	1	149	-22.37	22.32	22.31						
50	QPSK	198	0	-21.63	21.60	21.63		22.8		0.0		
50	QPSK	198	0	-21.63	21.60	21.63		22.8				
50	QPSK	1	149	-22.34	22.41	22.25		23.4		0.0		
50	QPSK	1	149	-22.34	22.41	22.25		23.4				
50	QPSK	198	0	-21.75	21.60	21.65		22.8		0.0		
50	QPSK	198	0	-21.75	21.60	21.65		22.8				
50	QPSK	1	149	-22.48	22.48	22.15		23.4		0.0		
50	QPSK	1	149	-22.48	22.48	22.15		23.4				
50	QPSK	198	0	-21.61	21.61	21.61		22.8		0.0		
50	QPSK	198	0	-21.61	21.61	21.61		22.8				
50	QPSK	1	149	-22.44	22.49	22.29		23.4		0.0		
50	QPSK	1	149	-22.44	22.49	22.29		23.4				
Channel												
50	QPSK	1	149	048434	048550	035508	Integ. Time		1474			
50	QPSK	1	149	048434	048550	035508	Integ. Time		1474			
50	QPSK	198	0	-21.63	21.60	21.63		22.8		0.0		
50	QPSK	198	0	-21.63	21.60	21.63		22.8				
50	QPSK	1	149	-22.32	22.42	22.21		23.4		0.0		
50	QPSK	1	149	-22.32	22.42	22.21		23.4				
Frequency (MHz)												
150	PSK16QAM	1	149	22.36	23.43	22.26						
150	PSK16QAM	1	149	-22.42	23.43	22.26	23.4			0.0		
150	PSK16QAM	1	149	-22.42	23.43	22.26						
150	PSK16QAM	198	0	-21.77	21.56	21.83		22.8		0.0		
150	PSK16QAM	198	0	-21.77	21.56	21.83		22.8				
150	PSK16QAM	198	136	-21.86	21.76	21.96		23.4		0.0		
150	PSK16QAM	198	136	-21.86	21.76	21.96		23.4				
150	QPSK	2312	0	-21.61	21.75	21.87		22.4		0.0		
150	QPSK	2312	0	-21.61	21.75	21.87		22.4				
150	QPSK	1	149	-22.36	23.39	22.27		23.4		0.0		
150	QPSK	1	149	-22.36	23.39	22.27		23.4				
150	QPSK	198	0	-22.50	22.28	22.25		22.8		0.0		
150	QPSK	198	0	-22.50	22.28	22.25		22.8				
150	QPSK	198	136	-22.58	22.10	21.77		23.4		0.0		
150	QPSK	198	136	-22.58	22.10	21.77		23.4				
150	QPSK	2312	0	-21.26	22.22	21.78		22.4		0.0		
150	QPSK	2312	0	-21.26	22.22	21.78		22.4				
150	QPSK	1	149	-21.46	21.87	21.51		22.4		0.0		
150	QPSK	1	149	-21.46	21.87	21.51		22.4				
150	QPSK	198	136	-21.11	21.77	21.73		23.4		0.0		
150	QPSK	198	136	-21.11	21.77	21.73		23.4				
150	QPSK	2312	0	-20.68	22.00	21.52		22.4		0.0		
150	QPSK	2312	0	-20.68	22.00	21.52		22.4				
50	QPSK	1	149	-22.37	22.32	22.31				0.0		
50	QPSK	1	149	-22.37	22.32	22.31						
50	QPSK	198	0	-21.63	21.60	21.63		22.8		0.0		
50	QPSK	198	0	-21.63	21.60	21.63		22.8				
50	QPSK	1	149	-22.34	22.41	22.25		23.4		0.0		
50	QPSK	1	149	-22.34	22.41	22.25		23.4				
50	QPSK	198	0	-21.75	21.60	21.65		22.8		0.0		
50	QPSK	198	0	-21.75	21.60	21.65		22.8				
50	QPSK	1	149	-22.48	22.48	22.15		23.4		0.0		
50	QPSK	1	149	-22.48	22.48	22.15		23.4				
50	QPSK	198	0	-21.61	21.61	21.61		22.8		0.0		
50	QPSK	198	0	-21.61	21.61	21.61		22.8				
50	QPSK	1	149	-22.44	22.49	22.29		23.4		0.0		
50	QPSK	1	149	-22.44	22.49	22.29		23.4				
Channel												
50	QPSK	1	149	047334	048550	035508	Integ. Time		1474			
50	QPSK	1	149	047334	048550	035508	Integ. Time		1474			
50	QPSK	198	0	-21.63	21.60	21.63		22.8		0.0		
50	QPSK	198	0	-21.63	21.60	21.63		22.8				
50	QPSK	1	149	-22.32	22.42	22.21		23.4		0.0		
50	QPSK	1	149	-22.32	22.42	22.21		23.4				

Part27Q n77_Ant_7_PC3 D56 Simultaneous							
RF (MHz)	Modulation	RF Side	RF Offset	Power [dBm]	Frequency [MHz]	Power [dBm]	APR [dBm]
Channel B33534							
Frequency (MHz)				33534.0			
100	PSK	156	1	19.29	33.53		
100	PSK	156	1	19.47	33.53	20.4	0.0
100	PSK	156	1	19.43	33.53		
100	PSK	156	0	19.33	33.53	20.4	0.0
100	PSK	156	0	19.39	33.53		
100	PSK	156	136	19.36	33.53		
100	PSK	273	0	19.20	33.53	20.4	0.0
100	PSK	273	0	19.27	33.53		
100	QPSK	1	1	19.42	33.54	20.4	0.0
100	QPSK	1	0	19.40	33.54		
100	QPSK	156	0	19.43	33.54	20.4	0.0
100	QPSK	156	136	19.41	33.54		
100	QPSK	273	0	19.24	33.54	20.4	0.0
100	QPSK	273	0	19.28	33.54		
100	QPSK	1	1	19.40	33.54	20.4	0.0
100	QPSK	1	0	19.43	33.54		
Channel B33536							
Frequency (MHz)				33536.0			
50	QPSK	1	1	19.24	33.49	19.42	0.0
50	QPSK	1	0	19.26	33.49		
50	QPSK	156	0	19.33	33.49	19.42	0.0
50	QPSK	156	136	19.31	33.49		
50	QPSK	273	0	19.20	33.49	19.42	0.0
50	QPSK	273	0	19.27	33.49		
50	QPSK	1	1	19.40	33.50	19.36	20.4
50	QPSK	1	0	19.43	33.50		
50	QPSK	156	0	19.43	33.50	19.31	20.4
50	QPSK	156	136	19.41	33.50		
50	QPSK	273	0	19.24	33.50	19.36	20.4
50	QPSK	273	0	19.28	33.50		
50	QPSK	1	1	19.40	33.51	19.36	20.4
50	QPSK	1	0	19.43	33.51		
50	QPSK	156	0	19.43	33.51	19.36	20.4
50	QPSK	156	136	19.41	33.51		
50	QPSK	273	0	19.24	33.51	19.36	20.4
50	QPSK	273	0	19.28	33.51		
50	QPSK	1	1	19.40	33.52	19.36	20.4
50	QPSK	1	0	19.43	33.52		
50	QPSK	156	0	19.43	33.52	19.36	20.4
50	QPSK	156	136	19.41	33.52		
50	QPSK	273	0	19.24	33.52	19.36	20.4
50	QPSK	273	0	19.28	33.52		
50	QPSK	1	1	19.40	33.53	19.36	20.4
50	QPSK	1	0	19.43	33.53		
50	QPSK	156	0	19.43	33.53	19.36	20.4
50	QPSK	156	136	19.41	33.53		
50	QPSK	273	0	19.24	33.53	19.36	20.4
50	QPSK	273	0	19.28	33.53		
50	QPSK	1	1	19.40	33.54	19.36	20.4
50	QPSK	1	0	19.43	33.54		
50	QPSK	156	0	19.43	33.54	19.36	20.4
50	QPSK	156	136	19.41	33.54		

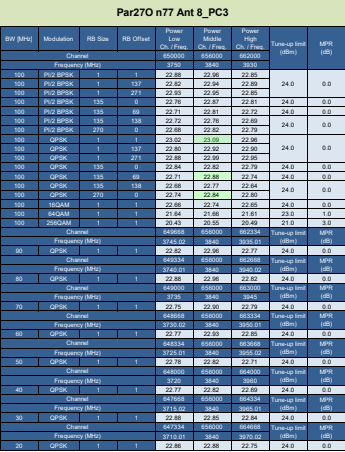
Part27Q n77_Ant 7_PC2 D56 Simultaneous							
RF MHz	Modulation	RF Side	RF Offset	Power [dBm] [dBm]	Modulation [Modulation] [Modulation]	Power [dBm] [dBm]	SPR [dB]
Channel							
150	Frequency Modulation	150	0	23.47	SSB-SC	23.47	
150	FSK-MSK	1	139	23.47	SSB-SC	23.47	23.4
150	FSK-MSK	150	0	23.47	SSB-SC	23.47	23.4
150	FSK-MSK	150	0	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	150	138	21.86	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	21.86	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	1	139	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	150	0	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	150	0	23.51	SSB-SC	23.4	0.0
150	FSK-MSK	150	138	23.51	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	23.51	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	1	139	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	150	138	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	1	139	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	150	0	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	150	138	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	1	139	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	150	138	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	1	139	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	150	0	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	150	138	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	1	139	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	150	138	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	1	139	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	150	0	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	150	138	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	1	139	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	150	138	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	1	139	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	150	0	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	150	138	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	1	139	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	150	138	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	1	139	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	150	0	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	150	138	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	1	139	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	150	138	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	1	139	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	150	0	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	150	138	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	1	139	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	150	138	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	1	139	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	150	0	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	150	138	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	1	139	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	150	138	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	1	139	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	150	0	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	150	138	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	1	139	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	150	138	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	1	139	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	150	0	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	150	138	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	1	139	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	150	138	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	1	139	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	150	0	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	150	138	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	1	139	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	150	138	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	1	139	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	150	0	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	150	138	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	1	139	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	150	138	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	1	139	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	150	0	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	150	138	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	1	139	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	150	138	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	1	139	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	150	0	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	150	138	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	1	139	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	150	138	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	1	139	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	150	0	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	150	138	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	1	139	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	150	138	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	1	139	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	150	0	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	150	138	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	1	139	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	150	138	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	1	139	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	150	0	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	150	138	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	1	139	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	150	138	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	1	139	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	150	0	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	150	138	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	23.77	SSB-SC	23.4	0.0
150	FSK-MSK	231.9	0	21.84	SSB-SC	23.4	0.0
150	FSK-MSK	1	139	21.84	SSB-SC	23.4	0.0
15							

Part270 n78 Ant2_PC3 DS16 Simultaneous								
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Max Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MFR (dB)
Channel								
Frequency [MHz]								
100	PLC BPSK	1	1	19.35				
100	PLC BPSK	1	137	19.46			20.4	0.0
100	PLC BPSK	1	271	19.45				
100	PLC BPSK	135	0	19.25			20.4	0.0
100	PLC BPSK	135	66	19.26			20.4	0.0
100	PLC BPSK	135	138	19.24			20.4	0.0
100	PLC BPSK	270	0	19.34			20.4	0.0
100	QPSK	1	1	19.35				
100	QPSK	1	137	19.36			20.4	0.0
100	QPSK	1	271	19.35				
100	QPSK	135	0	19.25			20.4	0.0
100	QPSK	135	66	19.26			20.4	0.0
100	QPSK	135	138	19.15			20.4	0.0
100	QPSK	270	0	19.27			20.4	0.0
100	16QAM	0	1	19.46			20.4	0.0
100	16QAM	1	1	19.17			20.4	0.0
100	256QAM	1	1	19.26			19.5	0.0
Channel								
Frequency [MHz]								
80	QPSK	1	1	19.35	19.44	19.37	20.4	0.0
Channel								
Frequency [MHz]								
80	QPSK	1	1	19.27	19.30	19.29	20.4	0.0
Channel								
Frequency [MHz]								
70	QPSK	1	1	19.24	19.30	19.26	20.4	0.0
Channel								
Frequency [MHz]								
60	QPSK	1	1	19.26	19.30	19.28	20.4	0.0
Channel								
Frequency [MHz]								
50	QPSK	1	1	19.32	19.38	19.35	20.4	0.0
Channel								
Frequency [MHz]								
40	QPSK	1	1	19.35	19.39	19.41	20.4	0.0
Channel								
Frequency [MHz]								
30	QPSK	1	1	19.28	19.36	19.32	20.4	0.0
Channel								
Frequency [MHz]								
20	QPSK	1	1	19.31	19.34	19.33	20.4	0.0

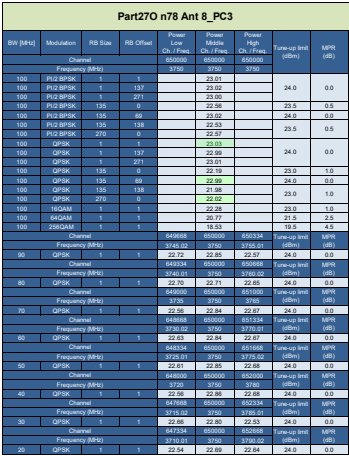
Part27Q n78_FCC Ant 7_PC3 DS16 Simultaneous								
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Max Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MFR (dB)
Channel								
Frequency [MHz]								
100	PLC BPSK	1		19.34				
100	PLC BPSK	1	137	19.47			20.4	0.0
100	PLC BPSK	1	271	19.45				
100	PLC BPSK	135	0	19.22			20.4	0.0
100	PLC BPSK	135	66	19.23			20.4	0.0
100	PLC BPSK	135	138	19.24			20.4	0.0
100	PLC BPSK	270	0	19.34			20.4	0.0
100	QPSK	1	1	19.35				
100	QPSK	1	137	19.28			20.4	0.0
100	QPSK	1	271	19.21				
100	QPSK	135	0	19.40			20.4	0.0
100	QPSK	135	66	19.41			20.4	0.0
100	QPSK	135	138	19.19			20.4	0.0
100	QPSK	270	0	19.27			20.4	0.0
100	16QAM	1	1	19.42			20.4	0.0
100	16QAM	1	1	19.80			20.4	0.0
100	256QAM	1	1	19.29			19.5	0.0
Channel								
Frequency [MHz]								
90	QPSK	1	1	19.33	19.43	19.38	20.4	0.0
Channel								
Frequency [MHz]								
80	QPSK	1	1	19.35	19.39	19.36	20.4	0.0
Channel								
Frequency [MHz]								
70	QPSK	1	1	19.30	19.41	19.35	20.4	0.0
Channel								
Frequency [MHz]								
60	QPSK	1	1	19.28	19.43	19.35	20.4	0.0
Channel								
Frequency [MHz]								
50	QPSK	1	1	19.31	19.39	19.35	20.4	0.0
Channel								
Frequency [MHz]								
40	QPSK	1	1	19.29	19.42	19.35	20.4	0.0
Channel								
Frequency [MHz]								
30	QPSK	1	1	19.36	19.34	19.35	20.4	0.0
Channel								
Frequency [MHz]								
20	QPSK	1	1	19.35	19.32	19.33	20.4	0.0

Part270 n78 Ant_3_PC3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. (MHz)	Power Max Ch./Freq. (MHz)	Power High Ch./Freq. (MHz)	Turnup time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)				3740		3740			
100	PL2-BPSK	1	1	22.38					
100	PL2-BPSK	1	137	22.58		24.0		0.0	
100	PL2-BPSK	1	271	22.51					
100	PL2-BPSK	135	5	22.81		23.5		0.5	
100	PL2-BPSK	135	85	22.76		24.0		0.0	
100	PL2-BPSK	135	138	22.53		23.5		0.5	
100	PL2-BPSK	270	0	22.85					
100	QPSK	1	1	22.51		24.0		0.0	
100	QPSK	1	137	22.51					
100	QPSK	1	271	22.38					
100	QPSK	135	5	21.50		23.0		1.0	
100	QPSK	135	85	22.51		24.0		0.0	
100	QPSK	135	138	21.54		23.0		1.0	
100	QPSK	270	0	21.50		23.0		1.0	
100	QPSK	1	1	21.50		23.0		1.0	
100	QPSK	1	1	20.38		21.5		2.5	
100	QPSK	1	1	18.08		19.5		4.5	
Channel									
Frequency (MHz)				849898		850000		850098	
Channel				849898		850000		850098	
50	QPSK	1	1	22.59		22.74		24.0	
Channel				849334		850000		850666	
Frequency (MHz)				849334		850000		850666	
80	QPSK	1	1	22.48		22.74		24.0	
Channel				849334		850000		850666	
Frequency (MHz)				849334		850000		850666	
70	QPSK	1	1	22.42		22.57		24.0	
Channel				849334		850000		850666	
Frequency (MHz)				849334		850000		850666	
60	QPSK	1	1	22.42		22.73		22.41	
Channel				849334		850000		850666	
Frequency (MHz)				849334		850000		850666	
50	QPSK	1	1	22.39		22.74		22.57	
Channel				849334		850000		850666	
Frequency (MHz)				849334		850000		850666	
40	QPSK	1	1	22.48		22.70		22.40	
Channel				849334		850000		850666	
Frequency (MHz)				849334		850000		850666	
30	QPSK	1	1	22.48		22.90		22.57	
Channel				849334		850000		850666	
Frequency (MHz)				849334		850000		850666	
20	QPSK	1	1	22.52		22.85		22.57	
Channel				849334		850000		850666	
Frequency (MHz)				849334		850000		850666	

Part27Q n78_Ant_3_PC3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Max Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Turnup time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)				833334		833334			
100	PL2-BPSK	1	1	22.31					
100	PL2-BPSK	1	137	22.40		24.0		0.0	
100	PL2-BPSK	1	271	22.42					
100	PL2-BPSK	135	5	21.35		23.5		0.5	
100	PL2-BPSK	135	85	21.70		24.0		0.0	
100	PL2-BPSK	135	138	22.42		23.5		0.5	
100	PL2-BPSK	270	0	21.34					
100	QPSK	1	1	21.35		24.0		0.0	
100	QPSK	1	137	22.41		24.0		0.0	
100	QPSK	1	271	22.38					
100	QPSK	135	5	21.42		23.0		7.0	
100	QPSK	135	85	22.51		24.0		0.0	
100	QPSK	135	138	21.47		23.0		1.0	
100	QPSK	270	0	21.46		23.0		1.0	
100	QPSK	1	1	21.35		23.0		1.0	
100	QPSK	1	1	20.25		21.5		2.5	
100	QPSK	1	1	17.87		19.5		4.5	
Channel									
Frequency (MHz)				833334		833334			
Frequency (MHz)				833334		833334			
50	QPSK	1	1	22.54		22.77		23.5	
Channel									
Frequency (MHz)				833050		833058		833066	
80	QPSK	1	1	22.30		22.75		22.41	
Channel									
Frequency (MHz)				833050		833058		833066	
70	QPSK	1	1	22.33		22.56		23.5	
Channel									
Frequency (MHz)				833050		833058		833066	
60	QPSK	1	1	22.44		22.71		22.54	
Channel									
Frequency (MHz)				833050		833058		833066	
50	QPSK	1	1	22.38		22.72		22.42	
Channel									
Frequency (MHz)				833334		833334			
40	QPSK	1	1	22.53		22.69		22.50	
Channel									
Frequency (MHz)				833050		833058		833066	
30	QPSK	1	1	22.42		22.74		22.48	
Channel									
Frequency (MHz)				833050		833058		833066	
20	QPSK	1	1	22.48		22.71		22.50	

[illegible]

Part270 n77_Ant 8_P22									
Bit (Hz)	Modulation	RB Size	RB Offset	Power Level [dBm]	Power Class	Power High [dBm]	Power Low [dBm]	Carrier sense margin	AFM [dB]
0	QPSK	1	0	-10	55354				
100	Frequency	1	0	-10	55354				
100	QPSK	1	157	-20	55354			27.0	0.0
100	Frequency	1	157	-20	55354				
100	QPSK	150	0	-20	55354			26.0	0.0
100	Frequency	150	0	-20	55354				
100	QPSK	150	150	-20	55354			26.0	0.0
100	Frequency	150	150	-20	55354				
100	QPSK	1	0	-20	55354			27.0	0.0
100	Frequency	1	0	-20	55354				
100	QPSK	150	0	-20	55354			26.0	0.0
100	Frequency	150	0	-20	55354				
100	QPSK	150	150	-20	55354			26.0	0.0
100	Frequency	150	150	-20	55354				
100	QPSK	1	0	-20	55354			27.0	0.0
100	Frequency	1	0	-20	55354				
100	QPSK	150	0	-20	55354			26.0	0.0
100	Frequency	150	0	-20	55354				
100	QPSK	150	150	-20	55354			26.0	0.0
100	Frequency	150	150	-20	55354				
100	QPSK	1	0	-20	55354			27.0	0.0
100	Frequency	1	0	-20	55354				
100	QPSK	150	0	-20	55354			26.0	0.0
100	Frequency	150	0	-20	55354				
100	QPSK	150	150	-20	55354			26.0	0.0
100	Frequency	150	150	-20	55354				
100	QPSK	1	0	-20	55354			27.0	0.0
100	Frequency	1	0	-20	55354				
100	QPSK	150	0	-20	55354			26.0	0.0
100	Frequency	150	0	-20	55354				
100	QPSK	150	150	-20	55354			26.0	0.0
100	Frequency	150	150	-20	55354				
100	QPSK	1	0	-20	55354			27.0	0.0
100	Frequency	1	0	-20	55354				
100	QPSK	150	0	-20	55354			26.0	0.0
100	Frequency	150	0	-20	55354				
100	QPSK	150	150	-20	55354			26.0	0.0
100	Frequency	150	150	-20	55354				
100	QPSK	1	0	-20	55354			27.0	0.0
100	Frequency	1	0	-20	55354				
100	QPSK	150	0	-20	55354			26.0	0.0
100	Frequency	150	0	-20	55354				
100	QPSK	150	150	-20	55354			26.0	0.0
100	Frequency	150	150	-20	55354				
100	QPSK	1	0	-20	55354			27.0	0.0
100	Frequency	1	0	-20	55354				
100	QPSK	150	0	-20	55354			26.0	0.0
100	Frequency	150	0	-20	55354				
100	QPSK	150	150	-20	55354			26.0	0.0
100	Frequency	150	150	-20	55354				
100	QPSK	1	0	-20	55354			27.0	0.0
100	Frequency	1	0	-20	55354				
100	QPSK	150	0	-20	55354			26.0	0.0
100	Frequency	150	0	-20	55354				
100	QPSK	150	150	-20	55354			26.0	0.0
100	Frequency	150	150	-20	55354				
100	QPSK	1	0	-20	55354			27.0	0.0
100	Frequency	1	0	-20	55354				
100	QPSK	150	0	-20	55354			26.0	0.0
100	Frequency	150	0	-20	55354				
100	QPSK	150	150	-20	55354			26.0	0.0
100	Frequency	150	150	-20	55354				
100	QPSK	1	0	-20	55354			27.0	0.0
100	Frequency	1	0	-20	55354				
100	QPSK	150	0	-20	55354			26.0	0.0
100	Frequency	150	0	-20	55354				
100	QPSK	150	150	-20	55354			26.0	0.0
100	Frequency	150	150	-20	55354				
100	QPSK	1	0	-20	55354			27.0	0.0
100	Frequency	1	0	-20	55354				
100	QPSK	150	0	-20	55354			26.0	0.0
100	Frequency	150	0	-20	55354				
100	QPSK	150	150	-20	55354			26.0	0.0
100	Frequency	150	150	-20	55354				
100	QPSK	1	0	-20	55354			27.0	0.0
100	Frequency	1	0	-20	55354				
100	QPSK	150	0	-20	55354			26.0	0.0
100	Frequency	150	0	-20	55354				
100	QPSK	150	150	-20	55354			26.0	0.0
100	Frequency	150	150	-20	55354				
100	QPSK	1	0	-20	55354			27.0	0.0
100	Frequency	1	0	-20	55354				
100	QPSK	150	0	-20	55354			26.0	0.0
100	Frequency	150	0	-20	55354				
100	QPSK	150	150	-20	55354			26.0	0.0
100	Frequency	150	150	-20	55354				
100	QPSK	1	0	-20	55354			27.0	0.0
100	Frequency	1	0	-20	55354				
100	QPSK	150	0	-20	55354			26.0	0.0
100	Frequency	150	0	-20	55354				
100	QPSK	150	150	-20	55354			26.0	0.0
100	Frequency	150	150	-20	55354				
100	QPSK	1	0	-20	55354			27.0	0.0
100	Frequency	1	0	-20	55354				
100	QPSK	150	0	-20	55354			26.0	0.0
100	Frequency	150	0	-20	55354				
100	QPSK	150	150	-20	55354			26.0	0.0
100	Frequency	150	150	-20	55354				
100	QPSK	1	0	-20	55354			27.0	0.0
100	Frequency	1	0	-20	55354				
100	QPSK	150	0	-20	55354			26.0	0.0
100	Frequency	150	0	-20	55354				
100	QPSK	150	150	-20	55354			26.0	0.0
100	Frequency	150	150	-20	55354				
100	QPSK	1	0	-20	55354			27.0	0.0
100	Frequency	1	0	-20	55354				
100	QPSK	150	0	-20	55354			26.0	0.0
100	Frequency	150	0	-20	55354				
100	QPSK	150	150	-20	55354			26.0	0.0
100	Frequency	150	150	-20	55354				
100	QPSK	1	0	-20	55354			27.0	0.0
100	Frequency	1	0	-20	55354				
100	QPSK	150	0	-20	55354			26.0	0.0
100	Frequency	150	0	-20	55354				
100	QPSK	150	150	-20	55354			26.0	0.0
100	Frequency	150	150	-20	55354				
100	QPSK	1	0	-20	55354			27.0	0.0
100	Frequency	1	0	-20	55354				
100	QPSK	150	0	-20	55354			26.0	0.0
100	Frequency	150	0	-20	55354				
100	QPSK	150	150	-20	55354			26.0	0.0
100	Frequency	150	150	-20	55354				
100	QPSK	1	0	-20	55354			27.0	0.0
100	Frequency	1	0	-20	55354				
100	QPSK	150	0	-20	55354			26.0	0.0
100	Frequency	150	0	-20	55354				
100	QPSK	150	150	-20	55354			26.0	0.0
100	Frequency	150	150	-20	55354				
100	QPSK	1	0	-20	55354			27.0	0.0
100	Frequency	1	0	-20	55354				
100	QPSK	150	0	-20	55354			26.0	0.0
100	Frequency	150	0	-20	55354				
100	QPSK	150	150	-20	55354			26.0	0.0
100	Frequency	150	150	-20	55354				
100	QPSK	1	0	-20	55354			27.0	0.0
100	Frequency	1	0	-20	55354				
100	QPSK	150	0	-20	55354			26.0	0.0
100	Frequency	150	0	-20	55354				
100	QPSK	150	150	-20	55354			26.0	0.0
100	Frequency	150	150	-20	55354				
100	QPSK	1	0	-20	55354			27.0	0.0
100	Frequency	1	0	-20	55354				
100	QPSK	150	0	-20	55354			26.0	0.0
100	Frequency	150	0	-20	55354				
100	QPSK	150	150	-20	55354			26.0	0.0
100	Frequency	150	150	-20	55354				
100	QPSK	1	0	-20	55354			27.0	0.0
100	Frequency	1	0	-20	55354				
100	QPSK	150	0	-20	55354			26.0	0.0
100	Frequency	150	0	-20	55354				
100	QPSK	150	150	-20	55354			26.0	0.0
100	Frequency	150	150	-20	55354				
100	QPSK	1	0	-20	55354			27.0	0.0
100	Frequency	1	0	-20	55354				
100	QPSK	150	0	-20	55354			26.0	0.0
100	Frequency	150	0	-20	55354				
100	QPSK	150	150	-20	55354			26.0	0.0
100	Frequency	150	150	-20	55354				
100	QPSK	1	0	-20	55354			27.0	0.0
100	Frequency	1	0	-20	55354				
100	QPSK	150	0	-20	55354			26.0	0.0
100	Frequency	150	0	-20	55354				
100	QPSK	150	150	-20	55354			26.0	0.0
100	Frequency	150	150	-20	55354				
100	QPSK	1	0	-20	55354			27.0	0.0
100	Frequency	1	0	-20	55354				
100	QPSK	150	0	-20	55354			26.0	0.0
100	Frequency	150	0	-20	55354				
100	QPSK	150	150	-20	55354			26.0	0.0
100	Frequency	150	150	-20	55354				
100	QPSK	1	0	-20	55354			27.0	0.0
100	Frequency	1	0	-20	55354				
100	QPSK	150	0	-20	55354			26.0	0.0
100	Frequency	150	0	-20	55354				</



Part270 n78_Ant_8_PC3							
RF [MHz]	Modulation	RF Side	RF Offset	Power [dBm]	Channel BW [MHz]	Power High [dBm]	Power Low [dBm]
Channel				93.534	93.534		
Frequency (MHz)				93.531			
100	PSK-BPSK	1	119	23.84	23.87		
100	PSK-BPSK	1	119	23.84	23.87	24.1	0.0
100	PSK-BPSK	156	0	23.45	23.48		
100	PSK-BPSK	156	0	23.45	23.48	24.1	0.0
100	PSK-BPSK	156	136	23.45	23.48		
100	PSK-BPSK	213	0	23.50	23.52	23.5	0.0
100	QPSK	1	119	23.84	23.87	24.1	0.0
100	QPSK	1	119	23.84	23.87		
100	QPSK	156	0	23.27	23.27		
100	QPSK	156	0	23.27	23.27	24.1	0.0
100	QPSK	156	136	23.26	23.26		
100	QPSK	213	0	23.28	23.28	23.5	1.0
100	QPSK	213	0	23.28	23.28		
100	8QAM	1	1	26.72	26.72	26.1	2.0
100	8QAM	1	1	26.72	26.72	26.5	4.0
Channel				93.500	93.534	93.568	
Frequency (MHz)				93.500		Time-up [s]	100%
90	QPSK	1	1	22.80	22.79	23.45	0.0
90	QPSK	1	1	22.80	22.79		
90	QPSK	156	0	23.08	23.08	23.45	0.0
90	QPSK	156	0	23.08	23.08		
90	QPSK	156	136	23.08	23.08	23.45	0.0
90	QPSK	156	136	23.08	23.08		
90	QPSK	213	0	22.79	22.79	23.45	0.0
90	QPSK	213	0	22.79	22.79		
90	QPSK	213	136	22.79	22.79	23.45	0.0
90	QPSK	213	136	22.79	22.79		
90	QPSK	213	272	22.79	22.79	23.45	0.0
90	QPSK	213	272	22.79	22.79		
90	QPSK	213	408	22.79	22.79	23.45	0.0
90	QPSK	213	408	22.79	22.79		
90	QPSK	213	544	22.79	22.79	23.45	0.0
90	QPSK	213	544	22.79	22.79		
90	QPSK	213	680	22.79	22.79	23.45	0.0
90	QPSK	213	680	22.79	22.79		
90	QPSK	213	816	22.79	22.79	23.45	0.0
90	QPSK	213	816	22.79	22.79		
90	QPSK	213	952	22.79	22.79	23.45	0.0
90	QPSK	213	952	22.79	22.79		
90	QPSK	213	1088	22.79	22.79	23.45	0.0
90	QPSK	213	1088	22.79	22.79		
90	QPSK	213	1224	22.79	22.79	23.45	0.0
90	QPSK	213	1224	22.79	22.79		
90	QPSK	213	1360	22.79	22.79	23.45	0.0
90	QPSK	213	1360	22.79	22.79		
90	QPSK	213	1496	22.79	22.79	23.45	0.0
90	QPSK	213	1496	22.79	22.79		
90	QPSK	213	1632	22.79	22.79	23.45	0.0
90	QPSK	213	1632	22.79	22.79		
90	QPSK	213	1768	22.79	22.79	23.45	0.0
90	QPSK	213	1768	22.79	22.79		
90	QPSK	213	1904	22.79	22.79	23.45	0.0
90	QPSK	213	1904	22.79	22.79		
90	QPSK	213	2040	22.79	22.79	23.45	0.0
90	QPSK	213	2040	22.79	22.79		
90	QPSK	213	2176	22.79	22.79	23.45	0.0
90	QPSK	213	2176	22.79	22.79		
90	QPSK	213	2312	22.79	22.79	23.45	0.0
90	QPSK	213	2312	22.79	22.79		
90	QPSK	213	2448	22.79	22.79	23.45	0.0
90	QPSK	213	2448	22.79	22.79		
90	QPSK	213	2584	22.79	22.79	23.45	0.0
90	QPSK	213	2584	22.79	22.79		
90	QPSK	213	2720	22.79	22.79	23.45	0.0
90	QPSK	213	2720	22.79	22.79		
90	QPSK	213	2856	22.79	22.79	23.45	0.0
90	QPSK	213	2856	22.79	22.79		
90	QPSK	213	2992	22.79	22.79	23.45	0.0
90	QPSK	213	2992	22.79	22.79		
90	QPSK	213	3128	22.79	22.79	23.45	0.0
90	QPSK	213	3128	22.79	22.79		
90	QPSK	213	3264	22.79	22.79	23.45	0.0
90	QPSK	213	3264	22.79	22.79		
90	QPSK	213	3400	22.79	22.79	23.45	0.0
90	QPSK	213	3400	22.79	22.79		
90	QPSK	213	3536	22.79	22.79	23.45	0.0
90	QPSK	213	3536	22.79	22.79		
90	QPSK	213	3672	22.79	22.79	23.45	0.0
90	QPSK	213	3672	22.79	22.79		
90	QPSK	213	3808	22.79	22.79	23.45	0.0
90	QPSK	213	3808	22.79	22.79		
90	QPSK	213	3944	22.79	22.79	23.45	0.0
90	QPSK	213	3944	22.79	22.79		
90	QPSK	213	4080	22.79	22.79	23.45	0.0
90	QPSK	213	4080	22.79	22.79		
90	QPSK	213	4216	22.79	22.79	23.45	0.0
90	QPSK	213	4216	22.79	22.79		
90	QPSK	213	4352	22.79	22.79	23.45	0.0
90	QPSK	213	4352	22.79	22.79		
90	QPSK	213	4488	22.79	22.79	23.45	0.0
90	QPSK	213	4488	22.79	22.79		
90	QPSK	213	4624	22.79	22.79	23.45	0.0
90	QPSK	213	4624	22.79	22.79		
90	QPSK	213	4760	22.79	22.79	23.45	0.0
90	QPSK	213	4760	22.79	22.79		
90	QPSK	213	4896	22.79	22.79	23.45	0.0
90	QPSK	213	4896	22.79	22.79		
90	QPSK	213	5032	22.79	22.79	23.45	0.0
90	QPSK	213	5032	22.79	22.79		
90	QPSK	213	5168	22.79	22.79	23.45	0.0
90	QPSK	213	5168	22.79	22.79		
90	QPSK	213	5304	22.79	22.79	23.45	0.0
90	QPSK	213	5304	22.79	22.79		
90	QPSK	213	5440	22.79	22.79	23.45	0.0
90	QPSK	213	5440	22.79	22.79		
90	QPSK	213	5576	22.79	22.79	23.45	0.0
90	QPSK	213	5576	22.79	22.79		
90	QPSK	213	5712	22.79	22.79	23.45	0.0
90	QPSK	213	5712	22.79	22.79		
90	QPSK	213	5848	22.79	22.79	23.45	0.0
90	QPSK	213	5848	22.79	22.79		
90	QPSK	213	5984	22.79	22.79	23.45	0.0
90	QPSK	213	5984	22.79	22.79		
90	QPSK	213	6120	22.79	22.79	23.45	0.0
90	QPSK	213	6120	22.79	22.79		
90	QPSK	213	6256	22.79	22.79	23.45	0.0
90	QPSK	213	6256	22.79	22.79		
90	QPSK	213	6392	22.79	22.79	23.45	0.0
90	QPSK	213	6392	22.79	22.79		
90	QPSK	213	6528	22.79	22.79	23.45	0.0
90	QPSK	213	6528	22.79	22.79		
90	QPSK	213	6664	22.79	22.79	23.45	0.0
90	QPSK	213	6664	22.79	22.79		
90	QPSK	213	6800	22.79	22.79	23.45	0.0
90	QPSK	213	6800	22.79	22.79		
90	QPSK	213	6936	22.79	22.79	23.45	0.0
90	QPSK	213	6936	22.79	22.79		
90	QPSK	213	7072	22.79	22.79	23.45	0.0
90	QPSK	213	7072	22.79	22.79		
90	QPSK	213	7208	22.79	22.79	23.45	0.0
90	QPSK	213	7208	22.79	22.79		
90	QPSK	213	7344	22.79	22.79	23.45	0.0
90	QPSK	213	7344	22.79	22.79		
90	QPSK	213	7480	22.79	22.79	23.45	0.0
90	QPSK	213	7480	22.79	22.79		
90	QPSK	213	7616	22.79	22.79	23.45	0.0
90	QPSK	213	7616	22.79	22.79		
90	QPSK	213	7752	22.79	22.79	23.45	0.0
90	QPSK	213	7752	22.79	22.79		
90	QPSK	213	7888	22.79	22.79	23.45	0.0
90	QPSK	213	7888	22.79	22.79		
90	QPSK	213	8024	22.79	22.79	23.45	0.0
90	QPSK	213	8024	22.79	22.79		
90	QPSK	213	8160	22.79	22.79	23.45	0.0
90	QPSK	213	8160	22.79	22.79		
90	QPSK	213	8296	22.79	22.79	23.45	0.0
90	QPSK	213	8296	22.79	22.79		
90	QPSK	213	8432	22.79	22.79	23.45	0.0
90	QPSK	213	8432	22.79	22.79		
90	QPSK	213	8568	22.79	22.79	23.45	0.0
90	QPSK	213	8568	22.79	22.79		
90	QPSK	213	8704	22.79	22.79	23.45	0.0
90	QPSK	213	8704	22.79	22.79		
90	QPSK	213	8840	22.79	22.79	23.45	0.0
90	QPSK	213	8840	22.79	22.79		
90	QPSK	213	8976	22.79	22.79	23.45	0.0
90	QPSK	213	8976	22.79	22.79		
90	QPSK	213	9112	22.79	22.79	23.45	0.0
90	QPSK	213	9112	22.79	22.79		
90	QPSK	213	9248	22.79	22.79	23.45	0.0
90	QPSK	213	9248	22.79	22.79		
90	QPSK	213	9384	22.79	22.79	23.45	0.0
90	QPSK	213	9384	22.79	22.79		
90	QPSK	213	9520	22.79	22.79	23.45	0.0
90	QPSK	213	9520	22.79	22.79		
90	QPSK	213	9656	22.79	22.79	23.45	0.0
90	QPSK	213	9656	22.79	22.79		
90	QPSK	213	9792	22.79	22.79	23.45	0.0
90	QPSK	213	9792	22.79	22.79		
90	QPSK	213	9928	22.79	22.79	23.45	0.0
90	QPSK	213	9928	22.79	22.79		
90	QPSK	213	10064	22.79	22.79	23.45	0.0
90	QPSK	213	10064	22.79	22.79		
90	QPSK	213	10200	22.79	22.79	23.45	0.0
90	QPSK	213	10200	22.79	22.79		
90	QPSK	213	10336	22.79	22.79	23.45	0.0
90	QPSK	213	10336	22.79	22.79		
90	QPSK	213	10472	22.79	22.79	23.45	0.0



Reduced Power Level for SRS

Par270 n77 Ant8_PC3 DSIS											
SV [MHz]	Modulation	RB Size	RB Offset	Power Mid Ch./ Freq. [dBm]	Power Mid Ch./ Freq. [dBm]	Power Mid Ch./ Freq. [dBm]	Time-up time (min)	MPE (dB)			
Channel											
Frequency [MHz]											
100	PUS2 BPSK	1	1	18.28	17.81	17.87		18.2	0.0		
100	PUS2 BPSK	1	137	17.87	18.05	17.87					
100	PUS2 BPSK	1	271	18.05	18.10	18.01		18.2	0.0		
100	PUS2 BPSK	135	0	17.88	17.85	18.01					
100	PUS2 BPSK	135	88	17.88	17.83	18.05		18.2	0.0		
100	PUS2 BPSK	135	158	17.85	17.85	18.01					
100	PUS2 BPSK	270	0	17.87	17.81	18.05		18.2	0.0		
100	QPSK	1	1	18.01	18.01	18.01					
100	QPSK	1	137	17.81	18.01	17.85		18.2	0.0		
100	QPSK	1	271	18.02	18.10	18.10					
100	QPSK	135	0	17.77	17.84	17.85		18.2	0.0		
100	QPSK	135	88	17.85	17.88	17.88					
100	QPSK	135	158	17.81	17.85	17.85		18.2	0.0		
100	QPSK	270	0	17.88	17.81	17.88					
100	16QAM	1	1	17.85	17.80	17.85		18.2	0.0		
100	16QAM	1	1	18.05	18.02	18.05					
100	256QAM	1	1	17.88	17.85	17.85		18.2	0.0		
Channel											
30	QPSK	1	1	18.02	18.04	18.00		18.2	0.0		
Channel											
Frequency [MHz]											
30	QPSK	1	1	17.83	17.85	17.83		18.2	0.0		
Channel											
Frequency [MHz]											
30	QPSK	1	1	17.83	17.85	17.83		18.2	0.0		
Channel											
Frequency [MHz]											
30	QPSK	1	1	17.84	17.88	17.88		18.2	0.0		
Channel											
Frequency [MHz]											
30	QPSK	1	1	18.05	17.85	17.88		18.2	0.0		
Channel											
Frequency [MHz]											
30	QPSK	1	1	17.83	17.81	17.83		18.2	0.0		
Channel											
Frequency [MHz]											
30	QPSK	1	1	17.89	17.79	17.88		18.2	0.0		
Channel											
Frequency [MHz]											
30	QPSK	1	1	17.82	17.85	18.05		18.2	0.0		
Channel											
Frequency [MHz]											
30	QPSK	1	1	17.82	17.85	18.05		18.2	0.0		
Channel											
Frequency [MHz]											

Par270 n77 Ant8_PC2 DSIS												
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq. [dBm]	Power Mid Ch./Freq. [dBm]	Power High Ch./Freq. [dBm]	Time-up time (min)	MPE (dB)				
Channel												
Frequency [MHz]												
100	PUS2 BPSK	1	1	19.28	19.22	19.21	21.2	0.0				
100	PUS2 BPSK	1	137	19.32	19.28	19.32						
100	PUS2 BPSK	1	271	19.30	19.21	19.25	21.2	0.0				
100	PUS2 BPSK	135	0	19.24	19.25	19.25						
100	PUS2 BPSK	135	88	19.27	19.28	19.29	21.2	0.0				
100	PUS2 BPSK	135	158	19.30	19.22	19.28						
100	PUS2 BPSK	270	0	19.28	19.28	19.21	21.2	0.0				
100	QPSK	1	1	19.36	19.38	19.40						
100	QPSK	1	137	19.29	19.31	19.32	21.2	0.0				
100	QPSK	1	271	19.41	19.40	19.33						
100	QPSK	135	0	19.27	19.21	19.25	21.2	0.0				
100	QPSK	135	88	19.21	19.38	19.24						
100	QPSK	135	158	19.28	19.26	19.25	21.2	0.0				
100	QPSK	270	0	19.26	19.38	19.28						
100	16QAM	1	1	19.34	19.26	19.26	21.2	0.0				
100	16QAM	1	1	19.35	19.35	19.35						
100	256QAM	1	1	19.38	19.29	19.40	21.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	19.21	19.26	19.21	21.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	19.24	19.26	19.26	21.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	19.24	19.23	19.21	21.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	19.21	19.34	19.33	21.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	19.27	19.36	19.32	21.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	19.27	19.23	19.23	21.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	19.28	19.28	19.27	21.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	19.25	19.28	19.22	21.2	0.0				
Channel												
Frequency [MHz]												

Par270 n77_Ant 8_PC3 DSIS												
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq. [dBm]	Power Mid Ch./Freq. [dBm]	Power High Ch./Freq. [dBm]	Time-up time (min)	MPE (dB)				
Channel												
Frequency [MHz]												
100	PUS2 BPSK	1	1	17.78			18.2	0.0				
100	PUS2 BPSK	1	137	17.80								
100	PUS2 BPSK	1	271	17.78			18.2	0.0				
100	PUS2 BPSK	135	0	17.78								
100	PUS2 BPSK	135	88	17.74			18.2	0.0				
100	PUS2 BPSK	135	158	17.78								
100	PUS2 BPSK	270	0	17.80			18.2	0.0				
100	QPSK	1	1	17.78								
100	QPSK	1	137	17.78			18.2	0.0				
100	QPSK	1	271	17.80								
100	QPSK	135	0	17.68			18.2	0.0				
100	QPSK	135	88	17.78								
100	QPSK	135	158	17.80			18.2	0.0				
100	QPSK	270	0	17.80								
100	16QAM	1	1	17.80			18.2	0.0				
100	16QAM	1	1	17.75								
100	256QAM	1	1	17.84			18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.84	17.83	17.84	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.74	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.75	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.74	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.75	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.74	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.75	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.74	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.75	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.74	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.75	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.74	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.75	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.74	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.75	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.74	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.75	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.74	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.75	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.74	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.75	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.74	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.75	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.74	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.75	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.74	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.75	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.74	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.75	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.74	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.75	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.74	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.75	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.74	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.75	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.74	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.75	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.74	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.75	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.74	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.75	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.74	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.75	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.74	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.75	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.74	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.75	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.74	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.75	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.74	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.75	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.74	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.75	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.74	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.75	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.74	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.75	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.74	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.75	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.74	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.75	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.74	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.75	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.74	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.75	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.74	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.75	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.74	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.75	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.74	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.75	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.74	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.75	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.74	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.75	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.74	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.75	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.74	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.75	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.74	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.75	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.74	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.75	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.74	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.75	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.74	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.75	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.74	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.75	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.74	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK	1	1	17.75	17.82	17.88	18.2	0.0				
Channel												
Frequency [MHz]												
30	QPSK											

Part270 n78 Ant6_PC3 DSI3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Max Ch./Freq. 800000	Power Minus Ch./Freq. 800000	Power High Ch./Freq. 800000	Time-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)				3750	3750	3750			
100	PL2-BPSK	1	1	18.81					
100	PL2-BPSK	1	137	18.84					
100	PL2-BPSK	1	271	18.88			18.2	0.0	
100	PL2-BPSK	155	0	18.78			18.2	0.0	
100	PL2-BPSK	155	89	18.75			18.2	0.0	
100	PL2-BPSK	155	158	18.76			18.2	0.0	
100	PL2-BPSK	270	0	18.73			18.2	0.0	
100	QPSK	1	1	17.90					
100	QPSK	1	137	18.02			18.2	0.0	
100	QPSK	1	271	18.80					
100	QPSK	155	0	18.88			18.2	0.0	
100	QPSK	155	89	18.97			18.2	0.0	
100	QPSK	155	158	19.00			18.2	0.0	
100	QPSK	270	0	18.74			18.2	0.0	
100	16QAM	1	1	17.00			18.2	0.0	
100	64QAM	1	1	18.01			18.2	0.0	
100	256QAM	1	1	18.76			18.2	0.0	
Channel									
Frequency (MHz)				94500	94500	94500	Time-up time	MFR	
30	QPSK	1	1	18.82	18.82	18.81	18.2	0.0	
Channel									
Frequency (MHz)				94634	94500	94668			
80	QPSK	1	1	18.80	18.86	18.81	18.2	0.0	
Channel									
Frequency (MHz)				94690	94600	94700			
70	QPSK	1	1	18.81	18.92	18.80	18.2	0.0	
Channel									
Frequency (MHz)				94700	94600	94700			
60	QPSK	1	1	18.76	18.90	18.80	18.2	0.0	
Channel									
Frequency (MHz)				94720	94700	94720			
30	QPSK	1	1	18.80	18.97	18.80	18.2	0.0	
Channel									
Frequency (MHz)				94800	94800	94800			
40	QPSK	1	1	18.78	18.98	18.80	18.2	0.0	
Channel									
Frequency (MHz)				94768	94800	94736			
30	QPSK	1	1	18.75	18.90	18.80	18.2	0.0	
Channel									
Frequency (MHz)				94734	94800	94668	Time-up time	MFR	
20	QPSK	1	1	18.97	18.91	18.79	18.2	0.0	

Part27Q n78_Ant_8_PC3 DSI3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Minus Ch./Freq. 803334	Power Minus Ch./Freq. 803334	Power High Ch./Freq. 803334	Time-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
100	PL2-BPSK	1	1	17.67					
100	PL2-BPSK	1	137	17.65			18.2	0.0	
100	PL2-BPSK	1	271	17.11					
100	PL2-BPSK	155	0	18.87			18.2	0.0	
100	PL2-BPSK	155	89	18.94			18.2	0.0	
100	PL2-BPSK	155	158	19.00			18.2	0.0	
100	PL2-BPSK	270	0	18.96			18.2	0.0	
100	QPSK	1	1	17.24					
100	QPSK	1	137	17.05			18.2	0.0	
100	QPSK	1	271	17.18					
100	QPSK	155	0	17.10			18.2	0.0	
100	QPSK	155	89	17.20			18.2	0.0	
100	QPSK	155	158	17.00			18.2	0.0	
100	QPSK	270	0	17.08			18.2	0.0	
100	16QAM	1	1	17.08			18.2	0.0	
100	64QAM	1	1	17.15			18.2	0.0	
100	256QAM	1	1	18.97			18.2	0.0	
Channel									
Frequency (MHz)				63300	63334	63366			MFR
30	QPSK	1	1	18.00	18.00	18.00	18.2	0.0	
Channel									
Frequency (MHz)				63266	63334	63400			MFR
80	QPSK	1	1	18.74	18.76	18.72	18.2	0.0	
Channel									
Frequency (MHz)				63284	63334	63434			MFR
70	QPSK	1	1	17.14	17.11	17.11	18.2	0.0	
Channel									
Frequency (MHz)				63260	63334	63466			MFR
60	QPSK	1	1	17.02	17.07	17.11	18.2	0.0	
Channel									
Frequency (MHz)				63210	63334	63300			MFR
30	QPSK	1	1	17.07	17.07	17.11	18.2	0.0	
Channel									
Frequency (MHz)				63134	63334	63334			MFR
40	QPSK	1	1	17.11	17.20	18.00	18.2	0.0	
Channel									
Frequency (MHz)				63100	63334	63066			MFR
30	QPSK	1	1	17.19	17.09	17.09	18.2	0.0	
Channel									
Frequency (MHz)				63066	63334	63000			MFR
20	QPSK	1	1	17.14	17.09	16.99	18.2	0.0	

WLAN/Bluetooth Power

[illegible]

Note: The 2.4GHz WLAN can transmit in MIMO antenna mode only and it has no SISO antenna mode.

[illegible]

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

[illegible]

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

Ant 5+6 Full Power&Head (Standalone)						Ant 5+6 Head&Body-worn (Simultaneous For DBS Only)		Ant 5+6 Head&Body-worn (Simultaneous For WWAN+DBS)		Ant 5+6 Handheld (Simultaneous For DBS Only)		Ant 5+6 Headheld (Simultaneous For WWAN + DBS)									
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %							
5.5GHz WLAN	802.11a 6Mbps	100	5500	21.04	22.50	Nont Required				Nont Required				100.00							
		116	5580	21.06	22.50																
		124	5620	21.07	22.50																
		132	5660	21.03	22.50																
		140	5700	20.89	22.50																
		144	5720	20.91	22.50																
	802.11n-HT20 MCS0	100	5500	20.93	22.50																100.00
		116	5580	21.06	22.50																
		124	5620	20.88	22.50																
		132	5660	20.90	22.50																
		140	5700	20.73	22.00																
		144	5720	20.80	22.50																
	802.11n-HT40 MCS0	102	5510	20.08	21.50					Nont Required			Nont Required		20.08	21.50	Nont Required		100.00		
		110	5550	20.20	21.50										20.20	21.50					
		126	5630	19.91	21.50										19.91	21.50					
		134	5670	19.97	21.50										19.97	21.50					
		142	5710	19.92	21.50										19.92	21.50					
		100	5500	20.89	22.50																
	802.11ac- VHT20 MCS0	116	5580	21.01	22.50														100.00		
		124	5620	20.84	22.50																
		132	5660	20.85	22.50																
		140	5700	20.64	22.00																
		144	5720	20.75	22.00																
		102	5510	19.98	21.50																
	802.11ac- VHT40 MCS0	110	5550	20.12	21.50														100.00		
		126	5630	19.82	21.50																
		134	5670	19.88	21.50																
		142	5710	19.84	21.50																
		106	5530	18.98	20.50	18.98	20.50	14.80	16.00			16.31								17.50	
		122	5610	18.90	20.50	18.90	20.50	14.71	16.00			16.23								17.50	
	802.11ac- VHT80 MCS0	138	5690	18.73	20.00	18.73	20.00	14.66	16.00	16.08	17.50			100.00							
		114	5570	18.40	20.00	Nont Required										100.00					
		100	5500	20.97	22.50																
	116	5580	21.10	22.50																	
	124	5620	20.91	22.50																	
	132	5660	20.96	22.50																	
	140	5700	20.80	22.50																	
	802.11ax-HE20 MCS0	144	5720	20.87	22.50	Nont Required								100.00							
		102	5510	20.10	21.50																
		110	5550	20.22	21.50																
		126	5630	19.95	21.50																
		134	5670	20.01	21.50																
		142	5710	19.95	21.50																
	802.11ax-HE40 MCS0	106	5530	19.01	20.50									100.00							
		122	5610	18.92	20.50																
		138	5690	18.76	20.00																
	802.11ax-HE80 MCS0	114	5570	18.44	20.00									100.00							

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

Ant 5+6 Full Power						Ant 5+6 Head standalone		Ant 5+6 Head (Simultaneous For DBS Only)		Ant 5+6 Head (Simultaneous For WWAN + DBS)		Ant 5+6 Body-worn (Simultaneous For DBS Only)		Ant 5+6 Body-worn (Simultaneous For WWAN + DBS)		Ant 5+6 Hotspot standalone		Ant 5+6 Hotspot (Simultaneous For WWAN + DBS)				
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %		
5.8GHz WLAN	802.11a 6Mbps	149	5745	20.93	22.50	20.50	22.00													100.00		
		157	5785	21.06	22.50	20.58	22.00															
		165	5825	21.31	22.50	20.86	22.00															
	802.11n-HT20 MCS0	149	5745	20.79	22.50	Nont Required															100.00	
		157	5785	20.93	22.50																	
		165	5825	21.23	22.50																	
	802.11n-HT40 MCS0	151	5755	19.96	21.50			Nont Required		Nont Required		Nont Required		Nont Required		Nont Required		Nont Required				100.00
		159	5795	20.05	21.50																	
	802.11ac-VHT20 MCS0	149	5745	20.71	22.00																	100.00
		157	5785	20.86	22.50																	
		165	5825	21.11	22.50																	
	802.11ac-VHT40 MCS0	151	5755	19.86	21.50		Nont Required							19.86	21.50							100.00
		159	5795	19.90	21.50									19.90	21.50							
	802.11ac-VHT80 MCS0	155	5775	18.85	20.50			18.31	19.50	14.20	15.50					15.96	17.00	18.85	20.50	12.77	14.00	100.00
	802.11ax-HE20 MCS0	149	5745	20.81	22.50																	100.00
		157	5785	20.99	22.50																	
		165	5825	21.28	22.50																	
	802.11ax-HE40 MCS0	151	5755	20.00	21.50			Nont Required		Nont Required					Nont Required		Nont Required		Nont Required		100.00	
		159	5795	20.10	21.50																	
	802.11ax-HE80 MCS0	155	5775	18.89	20.50																100.00	

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

BT BR/EDR Ant 4

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

BLE_1M Ant 4

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

BLE_2M Ant 4

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

BT BR/EDR Ant 6

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

BLE_1M Ant 6

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

BLE_2M Ant 6

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



Appendix F. Supplemental Tuner Head & Body SAR Results

The results are shown as follows.



Head (Antenna #0, Slave ID=6)

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

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

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

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

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

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

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

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

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

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

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



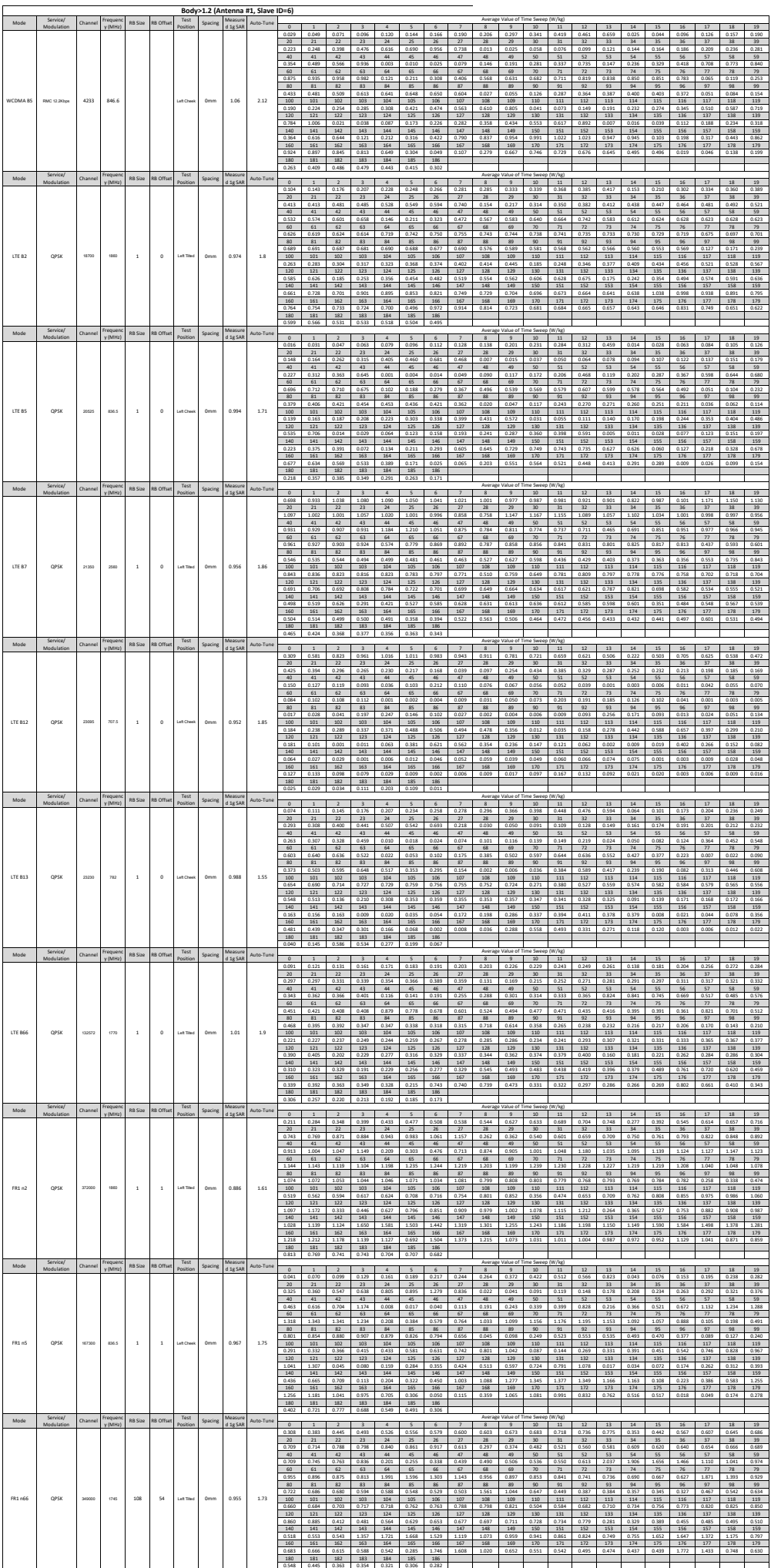
Head (Antenna #0, Slave ID=6)																									
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																
									Auto-Tune	0	11	22	33	44	55	66	77	88	99	110	121	132	143	154	165
WCDMA B2	RMC 12.2Kbps	9262	1852.4			Back	5mm	1.1	1.400	0.180	0.430	0.440	0.480	0.400	0.490	0.527	0.415	0.640	0.528	0.460	0.324	0.491	0.401	0.374	0.225
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																
WCDMA B5	RMC 12.2Kbps	4233	846.6			Back	5mm	1.09	2.05	0.049	0.026	0.027	0.850	0.580	0.810	0.044	0.017	0.170	0.720	0.870	0.770	0.990	1.050	0.850	
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																
LTE B2	QPSK	18700	1860	1	0	Back	5mm	1.1	1.64	0.098	0.081	0.088	0.061	0.167	0.212	0.185	0.151	0.201	0.198	0.174	0.147	0.172	0.148	0.356	
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																
LTE B5	QPSK	20525	836.5	1	0	Back	5mm	1.07	1.65	0.122	0.061	0.032	0.005	0.031	0.048	0.176	0.070	0.264	0.521	0.513	0.051	0.045	0.281	0.013	
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																
LTE B7	QPSK	20850	2510	1	0	Back	5mm	0.873	1.46	0.294	0.308	0.293	0.322	0.444	0.371	0.276	0.218	0.281	0.237	0.406	0.321	0.329	0.236	0.331	
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																
LTE B12	QPSK	23096	707.5	1	0	Back	5mm	0.764	1.26	0.057	0.696	0.474	0.253	0.074	0.271	0.713	0.610	0.365	0.131	0.001	0.009	0.010	0.001	0.006	
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																
LTE B13	QPSK	23230	782	1	0	Back	5mm	0.678	1.1	0.505	0.586	0.351	0.166	1.030	0.953	0.725	0.341	1.080	0.041	0.127	0.154	0.287	0.087	0.163	
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																
LTE B66 (4)	QPSK	132322	1745	1	0	Back	5mm	1.08	1.74	0.372	0.432	0.399	0.339	0.519	0.443	0.371	0.262	0.415	1.015	0.351	0.593	0.548	0.453	0.241	
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																
FR1 r2	QPSK	376000	1880	50	28	Back	5mm	0.93	1.89	0.561	0.701	0.666	0.766	0.678	0.835	0.812	0.767	0.861	0.853	0.755	0.989	1.031	0.926	0.662	
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																
FR1 r5	QPSK	167300	836.5	1	1	Back	5mm	0.869	1.57	0.421	0.803	0.495	0.328	0.541	1.007	0.991	1.021	0.105	0.361	0.349	0.811	0.934	0.828	0.539	
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																
FR1 r66	QPSK	349000	1745	108	54	Back	5mm	0.979	1.73	0.420	0.491	0.439	0.415	0.643	0.498	0.444	0.965	0.882	0.510	0.293	0.563	0.404	0.337	0.202	

Body>1.2 (Antenna #0, Slave ID=6)																													
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured Ig SAR	Auto-Tune	Average Value of Time Sweep (W/kg)																			
WCDMA B2	RMC 12.2Kbps	8802	1802.4	Back	5mm	1.1	1.4	0	1	0	1	2	3	4	5	6													
										7	8	9	10	11	12	13													
										14	15	16	17	18	19	20													
										0.180	0.120	0.280	0.330	0.440	0.347	0.370	0.380												
										20	21	22	23	24	25	26	27												
										28	29	30	31	32	33	34	35												
										0.511	0.526	0.640	0.207	0.259	0.329	0.401	0.413	0.436	0.437	0.447	0.451	0.468	0.480	0.511	0.169	0.213	0.275	0.342	0.375
										40	41	42	43	44	45	46	47												
										48	49	50	51	52	53	54	55												
										0.385	0.391	0.398	0.402	0.404	0.413	0.446	0.542	0.531	0.525	0.505	0.497	0.494	0.493	0.486	0.483	0.477	0.586	0.561	0.535
										60	61	62	63	64	65	66	67												
										68	69	70	71	72	73	74	75												
										0.508	0.494	0.493	0.485	0.482	0.477	0.527	0.477	0.484	0.467	0.459	0.450	0.452	0.448	0.441	0.446	0.447	0.415	0.394	0.367
										80	81	82	83	84	85	86	87												
										88	89	90	91	92	93	94	95												
										0.346	0.315	0.318	0.329	0.329	0.330	0.462	0.560	0.540	0.592	0.542	0.524	0.517	0.507	0.501	0.484	0.677	0.619	0.580	0.528
										100	101	102	103	104	105	106	107												
										108	109	110	111	112	113	114	115												
										0.500	0.496	0.484	0.477	0.465	0.418	0.579	0.524	0.477	0.466	0.455	0.440	0.438	0.442	0.449	0.448	0.395	0.381	0.333	0.332
120	121	122	123	124	125	126	127																						
128	129	130	131	132	133	134	135																						
136	137	138	139	140	141	142	143																						
144	145	146	147	148	149	150	151																						
152	153	154	155	156	157	158	159																						
0.931	0.928	0.925	0.922	0.919	0.916	0.913	0.910	0.907	0.904	0.901	0.898	0.895	0.892	0.889	0.886	0.883	0.880	0.877	0.874	0.871									
0.493	0.490	0.487	0.484	0.481	0.478	0.475	0.472	0.469	0.466	0.463	0.460	0.457	0.454	0.451	0.448	0.445	0.442	0.439	0.436	0.433									
0.271	0.267	0.263	0.259	0.255	0.251	0.247	0.243	0.239	0.235	0.231	0.227	0.223	0.219	0.215	0.211	0.207	0.203	0.199	0.195	0.191									
WCDMA B5	RMC 12.2Kbps	4233	846.6	Back	5mm	1.09	2.050	0	1	0	1	2	3	4	5	6													
										7	8	9	10	11	12	13													
										14	15	16	17	18	19	20													
										0.685	0.087	0.153	0.171	0.186	0.206	0.265	0.304	0.306	0.305	0.304	0.303	0.302	0.301	0.300	0.299	0.298	0.297	0.296	0.295
										20	21	22	23	24	25	26	27												
										28	29	30	31	32	33	34	35												
										0.763	0.767	0.647	0.027	0.026	0.063	0.210	0.246	0.321	0.358	0.395	0.504	0.686	0.771	0.850	0.905	0.009	0.024	0.080	0.184
										40	41	42	43	44	45	46	47												
										48	49	50	51	52	53	54	55												
										0.260	0.304	0.373	0.413	0.434	0.580	0.846	0.013	0.026	0.063	0.208	0.318	0.393	0.503	0.688	0.767	0.810	0.004	0.009	0.024
										60	61	62	63	64	65	66	67												
										68	69	70	71	72	73	74	75												
										0.431	0.617	0.746	0.877	0.826	0.936	0.950	0.044	0.027	0.016	0.047	0.176	0.174	0.176	0.174	0.176	0.174	0.176	0.174	0.176
										80	81	82	83	84	85	86	87												
										88	89	90	91	92	93	94	95												
										0.134	0.258	0.343	0.498	0.584	0.769	0.929	0.054	0.088	0.161	0.321	0.437	0.469	0.579	0.621	0.794	0.047	0.083	0.181	0.461
										100	101	102	103	104	105	106	107												
										108	109	110	111	112	113	114	115												
										0.720	0.778	0.896	0.939	0.931	0.054	0.043	0.106	0.123	0.156	0.671	0.870	0.887	0.901	0.007	0.016	0.041	0.134	0.277	0.361
120	121	122	123	124	125	126	127																						
128	129	130	131	132	133	134	135																						
136	137	138	139	140	141	142	143																						
144	145	146	147	148	149	150	151																						
152	153	154	155	156	157	158	159																						
0.931	0.928	0.925	0.922	0.919	0.916	0.913	0.910	0.907	0.904	0.901	0.898	0.895	0.892	0.889	0.886	0.883	0.880	0.877	0.874	0.871									
0.493	0.490	0.487	0.484	0.481	0.478	0.475	0.472	0.469	0.466	0.463	0.460	0.457	0.454	0.451	0.448	0.445	0.442	0.439	0.436	0.433									
0.271	0.267	0.263	0.259	0.255	0.251	0.247	0.243	0.239	0.235	0.231	0.227	0.223	0.219	0.215	0.211	0.207	0.203	0.199	0.195	0.191									
LTE B2	QPSK	18700	1880	1	0	Back	5mm	1.1	1.64	0	1	2	3	4	5	6													
										7	8	9	10	11	12	13													
										14	15	16	17	18	19	20													
										0.084	0.067	0.098	0.115	0.121	0.123	0.132	0.135	0.140	0.144	0.151	0.153	0.076	0.043	0.127	0.144	0.149	0.164	0.173	0.170
										20	21	22	23	24	25	26	27												
										28	29	30	31	32	33	34	35												
										0.181	0.187	0.172	0.069	0.088	0.115	0.143	0.146	0.154	0.158	0.159	0.162	0.173	0.173	0.185	0.061	0.079	0.104	0.124	0.145
										40	41	42	43	44	45	46	47												
										48	49	50	51	52	53	54	55												
										0.149	0.151	0.155	0.156	0.157	0.159	0.167	0.181	0.183	0.181	0.176	0.173	0.175	0.181	0.179	0.175	0.212	0.210	0.205	
										60	61	62	63	64	65	66	67												
										68	69	70	71	72	73	74	75												
										0.196	0.192	0.195	0.189	0.188	0.187	0.195	0.190	0.179	0.179	0.176	0.174	0.176	0.174	0.176	0.174	0.176	0.174	0.176	0.174
										80	81	82	83	84	85	86	87												
										88	89	90	91	92	93	94	95												
										0.144	0.140	0.140	0.138	0.139	0.133	0.137	0.135	0.139	0.135	0.139	0.135	0.139	0.135	0.139	0.135	0.139	0.135	0.139	0.135
										100	101	102	103	104	105	106	107												
										108	109	110	111	112	113	114	115												
										0.156	0.158	0.150	0.149	0.183	0.234	0.223	0.206	0.188	0.180	0.179	0.176	0.174	0.171	0.171	0.199	0.185	0.164	0.142	0.141
120	121	122	123	124	125	126	127																						
128	129	130	131	132	133	134	135																						
136	137	138	139	140	141	142	143																						
144	145	146	147	148	149	150	151																						
152	153	154	155	156	157	158	159																						
0.931	0.928	0.925	0.922	0.919	0.916	0.913	0.910	0.907	0.904	0.901	0.898	0.895	0.892	0.889	0.886	0.883	0.880	0.877	0.874	0.871									
0.493	0.490	0.487	0.484	0.481	0.478	0.475	0.472	0.469	0.466	0.463	0.460	0.457	0.454	0.451	0.448	0.445	0.442	0.439	0.436	0.433									
0.271	0.267	0.263	0.259	0.255	0.251	0.247	0.243	0.239	0.235	0.231	0.227	0.223	0.219	0.215	0.211	0.207	0.203	0.199	0.195	0.191									
LTE B5	QPSK	20025	880.8	1	0	Back	5mm	1.07	1.65	0	1	2	3	4	5	6													
										7	8	9	10	11	12	13													
										14	15	16	17	18	19	20													
										0.023	0.038	0.072	0.122	0.138	0.149	0.209	0.239	0.213	0.232	0.316	0.315	0.314	0.027	0.061	0.129	0.212	0.334	0.396	0.484
										20	21	22	23	24	25	26	27												
										28	29	30	31	32	33	34	35												
										0.136	0.138	0.193	0.157	0.226	0.289	0.488	0.031	0.049	0.086	0.112	0.187	0.244	0.246	0.287	0.344	0.441	0.008	0.048	0.101
										40	41	42	43	44	45	46	47												
										48	49	50	51	52	53	54	55												
										0.214	0.391	0.442	0.503	0.534	0.541	0.011	0.023	0.057	0.076	0.102	0.300	0.364	0.454	0.495	0.538	0.531	0.004	0.072	0.122
										60	61	62	63	64	65	66	67												
										68	69	70	71	72	73	74	75												
										0.107	0.137	0.165	0.264	0.301	0.417	0.541	0.033	0.084	0.092	0.195	0.264	0.296	0.327	0.369	0.462	0.295	0.537	0.113	0.281
										80	81	82	83	84	85	86	87												
										88	89	90	91	92	93	94	95												
										0.411	0.408	0.521	0.545	0.541	0.012	0.024	0.061	0.168	0.318	0.381	0.463	0.497	0.513	0.004	0.008	0.022	0.078	0.148	0.191
										100	101	102	103	104	105	106	107												
										108	109	110	111	112	113	114	115												
										0.271	0.311	0.385	0.481	0.051	0.083	0.135	0.216	0.415	0.426	0.406	0.415	0.297	0.273	0.049	0.013	0.265	0.333	0.225	0.225
120	121	122	123	124	125	126	127																						
128	129	130	131	132	133	134	135																						
136	137	138	139	140	141	142	143																						
144	145	146	147	148	149	150	151																						
152	153	154	155	156	157	158	159																						
0.931	0.928	0.925	0.922	0.919	0.916	0.913	0.910	0.907	0.904	0.901	0.898	0.895	0.892	0.889	0.886	0.883	0.880	0.877	0.874	0.871									
0.493	0.490	0.487	0.484	0.481	0.478	0.475	0.472	0.469	0.466	0.463	0.460	0.457	0.454	0.451	0.448	0.445	0.442	0.439	0.436	0.433									
0.271	0.267	0.263	0.259	0.255	0.251	0.247	0.243	0.239	0.235	0.231	0.227	0.223	0.219	0.215	0.211	0.207	0.203	0.199	0.195	0.191									
LTE B7																													



Head (Antenna #1, Slave ID=6)

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





Head (Antenna #1, Slave ID=6)

Mode	Service/Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
WCDMA B5	RMC 12.2Kbps	4233	846.6			Back	5mm	0.737	1.13	0.053	0.047	0.028	0.776	0.823	0.764	0.514	0.176	0.201	0.260	0.422	0.080	0.730	0.431	0.332	0.121	0.001	0.776	0.811
Mode	Service/Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
LTE B2	QPSK	18700	1860	1	0	Back	5mm	0.978	1.38	0.048	0.125	0.143	0.028	0.053	0.258	0.247	0.291	0.262	0.218	0.109	0.091	0.239	0.239	0.273	0.261	0.289	0.261	0.213
Mode	Service/Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
LTE B5	QPSK	20525	836.5	1	0	Back	5mm	0.652	1.11	0.043	0.259	0.216	0.059	0.281	0.331	0.593	0.518	0.411	0.248	0.174	0.108	0.018	0.434	0.265	0.578	0.421	0.341	0.351
Mode	Service/Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
LTE B7	QPSK	21350	2960	1	0	Back	5mm	1.05	1.68	1.243	1.154	1.370	1.328	1.140	0.512	1.140	1.010	0.891	0.731	1.540	1.470	1.408	1.210	0.474	1.144	0.903	0.827	0.719
Mode	Service/Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
LTE B12	QPSK	23095	707.5	1	0	Back	5mm	0.338	0.51	0.773	0.649	0.149	0.193	0.022	0.008	0.001	0.080	0.006	0.009	0.161	0.301	0.042	0.022	0.001	0.032	0.022	0.111	0.151
Mode	Service/Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
LTE B13	QPSK	23230	782	1	0	Back	5mm	0.43	0.667	0.261	0.234	0.288	0.161	0.021	0.075	0.067	0.298	0.292	0.154	0.595	0.614	0.441	0.151	0.035	0.005	0.051	0.061	0.163
Mode	Service/Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
LTE B66	QPSK	132322	1770	1	1	Back	5mm	1.09	2.11	0.226	0.281	0.323	0.323	0.243	0.562	0.618	0.901	0.266	0.194	0.298	0.383	0.341	0.234	0.567	0.641	0.695	0.701	0.802
Mode	Service/Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
FR1 n2	QPSK	372000	1860	1	1	Back	5mm	0.95	1.5	0.327	0.393	0.751	0.541	0.464	0.742	0.805	0.707	0.685	0.173	0.498	0.634	0.585	0.548	0.860	0.988	0.923	0.693	
Mode	Service/Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
FR1 n5	QPSK	167300	836.5	50	28	Back	5mm	0.489	0.745	0.261	0.589	0.204	0.203	0.523	0.437	0.172	0.036	0.072	0.141	0.652	0.023	0.224	0.718	0.697	0.710	0.666	0.511	
Mode	Service/Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
FR1 n66	QPSK	349000	1745	108	54	Back	5mm	0.98	1.71	0.383	0.385	0.212	0.385	0.286	0.556	0.515	0.541	0.629	0.368	0.468	0.472	0.384	0.276	0.528	0.446	0.357	0.348	



Body-1.2 (Antenna #1, Slave ID=6)																														
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Auto-Tune	Average Value of Time Sweep (W/kg)																				
LTE Band 2	QPSK	18700	1880	50	1	0	5mm	0.978	1.38	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
										0.034	0.048	0.051	0.069	0.076	0.088	0.089	0.097	0.099	0.011	0.116	0.125	0.131	0.142	0.051	0.071	0.101	0.117	0.126	0.136	
										20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	
										0.141	0.143	0.042	0.043	0.046	0.047	0.051	0.064	0.012	0.017	0.026	0.028	0.032	0.035	0.037	0.039	0.041	0.043	0.045		
										40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	
										0.046	0.053	0.234	0.255	0.056	0.081	0.123	0.181	0.212	0.223	0.246	0.258	0.288	0.274	0.264	0.267	0.267	0.258	0.251	0.253	
										60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	
										0.249	0.247	0.244	0.241	0.321	0.317	0.312	0.301	0.300	0.298	0.294	0.291	0.289	0.286	0.274	0.271	0.269	0.287	0.282	0.272	
										80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	
										0.264	0.262	0.262	0.255	0.257	0.256	0.251	0.256	0.242	0.234	0.224	0.218	0.211	0.208	0.201	0.206	0.208	0.049	0.067	0.091	
										100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	
										0.101	0.109	0.115	0.123	0.122	0.137	0.141	0.149	0.156	0.167	0.138	0.091	0.133	0.142	0.157	0.167	0.175	0.197	0.202	0.216	
										120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	
										0.224	0.239	0.019	0.000	0.001	0.172	0.186	0.197	0.209	0.216	0.231	0.239	0.258	0.068	0.087	0.137	0.138	0.214	0.219	0.234	
										140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	
										0.249	0.273	0.271	0.071	0.389	0.369	0.334	0.294	0.287	0.273	0.269	0.261	0.257	0.243	0.246	0.456	0.431	0.392	0.359	0.311	
										160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	
										0.289	0.289	0.289	0.275	0.267	0.184	0.384	0.381	0.359	0.277	0.267	0.261	0.205	0.248	0.241	0.242	0.359	0.307	0.256	0.242	
										180	181	182	183	184	185	186														
										0.229	0.213	0.198	0.199	0.191	0.169	0.148														
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Auto-Tune	Average Value of Time Sweep (W/kg)																				
LTE Band 7	QPSK	21350	2560	1	0	Back	5mm	1.05	1.68	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
										0.741	1.043	1.200	1.243	1.260	1.260	1.257	1.239	1.255	1.190	1.260	1.167	1.146	1.154	1.075	1.121	1.126	1.540	1.490	1.471	
										20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	
										1.426	1.441	1.374	1.370	1.310	0.290	0.250	0.993	1.231	1.481	1.488	1.449	1.360	1.328	1.286	1.291	1.261	1.251	1.210	1.216	
										40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	
										1.210	1.178	1.147	1.140	1.310	1.480	1.280	1.010	0.998	0.971	0.971	0.924	0.901	0.512	0.777	0.982	1.010	1.180	1.210	1.160	
										60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	
										1.210	1.150	1.127	1.140	0.641	0.884	1.010	1.050	1.065	1.050	1.010	1.001	0.991	1.010	0.971	0.931	0.947	0.713	0.961	1.010	
										80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	
										0.994	0.971	0.971	0.891	0.981	0.879	0.831	0.835	0.912	1.180	1.040	0.821	0.721	0.731	0.691	0.666	0.661	0.898	1.301	1.561	
										100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	
										1.580	1.580	1.560	1.540	1.550	1.490	1.512	1.467	1.410	1.448	1.111	1.210	1.498	1.470	1.455	1.421	1.410	1.316	1.326	1.296	
										120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	
										1.250	1.276	1.220	1.408	1.461	1.337	1.321	1.266	1.223	1.235	1.179	1.149	1.163	1.210	1.527	1.394	1.250	0.988	0.961	1.010	
										140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	
										0.931	0.934	0.926	0.474	0.696	0.946	1.060	1.104	1.177	1.181	1.153	1.000	1.153	1.144	1.134	0.747	0.757	0.975	1.010	0.006	
										160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	
										0.956	0.965	0.937	0.903	0.926	0.656	0.924	1.010	1.049	1.046	0.888	0.901	0.857	0.827	0.834	0.831	0.878	1.020	0.994	0.934	
										180	181	182	183	184	185	186														
										0.878	0.791	0.701	0.719	0.706	0.669	0.642														
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Auto-Tune	Average Value of Time Sweep (W/kg)																				
LTE B66	QPSK	132322	1745	1	0	Back	5mm	1.09	2.11	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
										0.122	0.151	0.171	0.184	0.199	0.209	0.219	0.226	0.226	0.248	0.249	0.256	0.264	0.282	0.175	0.213	0.241	0.281	0.297	0.301	
										20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	
										0.312	0.321	0.351	0.355	0.372	0.381	0.399	0.323	0.163	0.201	0.251	0.269	0.274	0.295	0.305	0.309	0.318	0.323	0.327	0.337	
										40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	
										0.344	0.361	0.368	0.401	0.208	0.152	0.193	0.243	0.261	0.278	0.287	0.295	0.321	0.789	0.914	0.876	0.779	0.562	0.513	0.473	
										60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	
										0.468	0.429	0.413	0.375	0.881	0.843	0.719	0.618	0.514	0.484	0.457	0.454	0.401	0.383	0.358	0.351	0.322	0.901	0.764	0.517	
										80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	
										0.394	0.369	0.365	0.312	0.311	0.299	0.278	0.266	0.889	0.608	0.431	0.239	0.205	0.199	0.183	0.181	0.167	0.194	0.221	0.258	
										100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	
										0.259	0.267	0.272	0.278	0.278	0.278	0.291	0.291	0.298	0.301	0.307	0.264	0.295	0.328	0.341	0.352	0.357	0.362	0.383	0.381	0.394
										120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	
										0.395	0.401	0.236	0.264	0.301	0.324	0.333	0.341	0.345	0.353	0.359	0.364	0.389	0.189	0.196	0.205	0.228	0.231	0.262	0.271	
										140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	
										0.269	0.286	0.281	0.381	0.434	0.744	0.743	0.567	0.541	0.491	0.477	0.422	0.411	0.361	0.361	0.533	0.586	0.641	0.578	0.414	
										160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	
										0.352	0.347	0.317	0.303	0.278	0.142	0.448	0.695	0.511	0.452	0.284	0.278	0.255	0.245	0.223	0.225	0.726	0.701	0.381	0.321	
										180	181	182	183	184	185	186														
										0.300	0.237	0.182	0.178	0.161	0.153	0.146														
Mode	Service/ Modulation	Channel	Frequenc y (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Auto-Tune	Average Value of Time Sweep (W/kg)																				
FR1 n2	QPSK	372000	1880	1	1	Back	5mm	0.95	1.5	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
										0.135	0.182	0.218	0.256	0.277	0.297	0.311	0.327	0.335	0.336	0.401	0.435	0.453	0.487	0.179	0.244	0.351	0.393	0.427	0.458	
										20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	
										0.474	0.473	0.565	0.561	0.600	0.640	0.692	0.751	0.167	0.233	0.347	0.385	0.423	0.465	0.484	0.501	0.523	0.541	0.563	0.593	
										40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	
										0.613	0.667	0.697	0.767	0.339	0.200	0.305	0.464	0.560	0.583	0.649	0.681	0.669	0.732	0.753	0.754	0.752	0.742	0.740	0.735	
										60	61	62	63	64	65	66	67	68	69	70	71	72	73	74</						