



Band 2 Ant0 Simultaneous												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turn-up Init. (dB)	MFR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	18.56	18.86	18.72			10.8	0		
20	QPSK	1	49	18.56	18.86	18.72						
20	QPSK	1	99	18.83	18.81	18.83			10.8	0		
20	QPSK	50	0	18.52	18.59	18.53						
20	QPSK	50	24	18.44	18.45	18.57			10.8	0		
20	QPSK	50	50	18.55	18.55	18.47						
20	QPSK	100	0	18.57	18.49	18.49			10.8	0		
20	16QAM	1	0	18.47	18.48	18.42						
20	16QAM	1	49	18.40	18.69	18.57			10.8	0		
20	16QAM	1	99	18.52	18.39	18.65						
20	16QAM	50	0	18.51	18.45	18.48			10.8	0		
20	16QAM	50	24	18.47	18.45	18.47						
20	16QAM	50	50	18.56	18.49	18.49			10.8	0		
20	16QAM	100	0	18.45	18.65	18.61						
20	84QAM	1	0	18.50	18.54	18.54			10.8	0		
20	84QAM	1	49	18.53	18.59	18.71						
20	84QAM	1	99	18.50	18.77	18.63			10.8	0		
20	84QAM	50	0	18.45	18.48	18.48						
20	84QAM	50	24	18.57	18.47	18.54			10.8	0		
20	84QAM	50	50	18.42	18.53	18.37						
20	84QAM	100	0	18.40	18.71	18.51			10.8	0		
20	256QAM	1	0	18.42	18.54	18.28						
20	256QAM	1	49	18.42	18.65	18.64			10.8	0		
20	256QAM	1	99	18.66	18.63	18.37						
20	256QAM	50	0	18.42	18.59	18.42			10.8	0		
20	256QAM	50	24	18.40	18.43	18.51						
20	256QAM	50	50	18.43	18.63	18.69			10.8	0		
20	256QAM	100	0	18.56	18.39	18.69						
Channel												
Frequency (MHz)												
15	QPSK	1	0	18.43	18.80	18.63			10.8	0		
15	QPSK	1	37	18.48	18.54	18.71						
15	QPSK	1	74	18.58	18.47	18.56			10.8	0		
15	QPSK	36	0	18.45	18.53	18.37						
15	QPSK	36	25	18.36	18.67	18.48			10.8	0		
15	QPSK	36	36	18.41	18.58	18.66						
15	QPSK	75	0	18.51	18.35	18.43			10.8	0		
15	16QAM	1	0	18.41	18.35	18.39						
15	16QAM	1	37	18.34	18.53	18.52			10.8	0		
15	16QAM	1	74	18.59	18.32	18.42						
15	16QAM	36	0	18.40	18.30	18.44			10.8	0		
15	16QAM	36	25	18.40	18.30	18.32						
15	16QAM	75	0	18.33	18.61	18.56			10.8	0		
15	84QAM	1	0	18.36	18.46	18.58						
15	84QAM	1	37	18.57	18.48	18.52			10.8	0		
15	84QAM	1	74	18.55	18.63	18.53						
15	84QAM	36	0	18.41	18.41	18.58			10.8	0		
15	84QAM	36	25	18.46	18.36	18.43						
15	84QAM	36	39	18.34	18.45	18.31			10.8	0		
15	84QAM	75	0	18.27	18.67	18.42						
15	256QAM	1	0	18.28	18.40	18.52			10.8	0		
15	256QAM	1	37	18.37	18.20	18.55						
15	256QAM	1	74	18.51	18.46	18.25			10.8	0		
15	256QAM	25	0	18.33	18.38	18.37						
15	256QAM	25	12	18.33	18.32	18.34			10.8	0		
15	256QAM	25	26	18.32	18.37	18.34						
15	256QAM	50	0	18.44	18.30	18.43			10.8	0		
Channel												
Frequency (MHz)												
15	QPSK	1	0	18.30	18.76	18.68			10.8	0		
15	QPSK	1	25	18.44	18.59	18.65						
15	QPSK	1	49	18.49	18.44	18.48			10.8	0		
15	QPSK	1	74	18.48	18.49	18.48						
15	QPSK	25	0	18.32	18.62	18.44			10.8	0		
15	QPSK	25	12	18.32	18.62	18.44						
15	QPSK	25	26	18.49	18.48	18.56			10.8	0		
15	QPSK	50	0	18.48	18.59	18.37						
15	QPSK	50	1	18.43	18.35	18.35			10.8	0		
15	16QAM	1	0	18.26	18.61	18.49						
15	16QAM	1	49	18.36	18.50	18.48			10.8	0		
15	16QAM	25	0	18.46	18.40	18.33						
15	16QAM	25	12	18.33	18.39	18.37			10.8	0		
15	16QAM	25	26	18.52	18.48	18.49						
15	16QAM	50	0	18.33	18.58	18.57			10.8	0		
15	84QAM	1	0	18.37	18.48	18.58						
15	84QAM	1	49	18.51	18.44	18.49			10.8	0		
15	84QAM	1	99	18.52	18.72	18.55						
15	84QAM	25	0	18.29	18.34	18.64			10.8	0		
15	84QAM	25	12	18.42	18.35	18.35						
15	84QAM	25	26	18.30	18.48	18.28			10.8	0		
15	84QAM	50	0	18.28	18.66	18.45						
15	256QAM	1	0	18.35	18.41	18.43			10.8	0		
15	256QAM	1	25	18.37	18.20	18.55						
15	256QAM	1	49	18.51	18.46	18.25			10.8	0		
15	256QAM	1	99	18.58	18.44	18.21						
15	256QAM	25	0	18.33	18.32	18.34			10.8	0		
15	256QAM	25	12	18.33	18.32	18.34						
15	256QAM	25	26	18.32	18.37	18.34			10.8	0		
15	256QAM	50	0	18.44	18.30	18.43						
Channel												
Frequency (MHz)												
5	QPSK	1	0	18.41	18.71	18.63			10.8	0		
5	QPSK	1	12	18.45	18.58	18.67						
5	QPSK	1	24	18.57	18.40	18.48			10.8	0		
5	QPSK	12	0	18.42	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	18.45						
5	QPSK	36	0	18.45	18.60	18.48			10.8	0		
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	18.35						
5	16QAM	12	0	18.36	18.35	18.39			10.8	0		
5	16QAM	12	7	18.43	18.31	18.35						
5	16QAM	12	13	18.55	18.44	18.41			10.8	0		
5	16QAM	25	0	18.35	18.51	18.48						
5	84QAM	1	0	18.43	18.45	18.52			10.8	0		
5	84QAM	1	12	18.55	18.57	18.52						
5	84QAM	1	24	18.51	18.71	18.52			10.8	0		
5	84QAM	12	0	18.30	18.43	18.56						
5	84QAM	12	7	18.41	18.35	18.48			10.8	0		
5	84QAM	12	13	18.31	18.39	18.48						
5	84QAM	25	0	18.29	18.64	18.45			10.8	0		
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			10.8	0		
5	256QAM	12	7	18.29	18.29	18.45						
5	256QAM	12	13	18.39	18.45	18.54			10.8	0		
5	256QAM	25	0	18.53	18.28	18.46						
Channel												
Frequency (MHz)												
3	QPSK	1	0	18.39	18.74	18.58			10.8	0		
3	QPSK	1	8	18.53	18.56	18.61						
3	QPSK	1	16	18.63	18.36	18.56			10.8	0		
3	QPSK	8	0	18.47	18.45	18.41						
3	QPSK	8	7	18.48	18.56	18.58			10.8	0		
3	QPSK	15	0	18.46	18.64	18.46						
3	QPSK	15	8	18.50	18.40	18.35			10.8	0		
3	16QAM	1	0	18.28	18.61	18.45						
3	16QAM	1	14	18.48	18.55	18.51			10.8	0		
3	16QAM	8	0	18.30	18.43	18.43						
3	16QAM	8	4	18.32	18.29	18.33			10.8	0		
3	16QAM	8	12	18.52	18.52	18.48						
3	16QAM	15	0	18.54	18.35	18.43			10.8	0		
3	84QAM	1	0	18.36	18.43	18.51						
3	84QAM	1	8	18.49	18.54	18.60			10.8	0		
3	84QAM	1	16	18.57	18.70	18.63						
3	84QAM	8	0	18.32	18.36	18.63			10.8	0		
3	84QAM	8	4	18.52	18.33	18.49						
3	84QAM	8	12	18.27	18.33	18.49			10.8	0		
3	256QAM	1	0	18.46	18.40	18.53						
3	256QAM	1	8	18.60	18.43	18.43			10.8	0		
3	256QAM	8	0	18.33	18.33	18.44						
3	256QAM	8	7	18.33	18.44	18.55			10.8	0		
3	256QAM	15	0	18.45	18.25	18.42						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	18.40	18.74	18.58			10.8	0		
1.4	QPSK	1	8	18.54	18.57	18.61						
1.4	QPSK	1	16	18.64	18.36	18.56			10.8	0		
1.4	QPSK	8	0	18.48	18.45	18.41						
1.4	QPSK	8	7	18.48	18.56	18.58			10.8	0		
1.4	QPSK	15	0	18.46	18.64	18.46						
1.4	QPSK	15	8	18.50	18.40	18.35			10.8	0		
1.4	16QAM	1	0	18.30	18.61	18.45						
1.4	16QAM	1	8	18.32	18.34	18.53			10.8	0		
1.4	16QAM	8	0	18.41	18.53	18.59						
1.4	16QAM	8	4	18.35	18.35	18.49			10.8	0		
1.4	16QAM	8	12	18.52	18.52	18.4						



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	50	20.90	20.89	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	20.85	21.01	20.91						
20	HQAM	50	24	21.05	21.04	21.01			22.4	0		
20	HQAM	50	50	20.91	20.93	20.97						
20	HQAM	100	0	20.87	21.04	21.02						
20	SSBQAM	1	49	19.50	19.63	19.71			20	2.4		
20	SSBQAM	1	99	19.53	19.69	19.48						
20	SSBQAM	50	0	19.50	19.50	19.50						
20	SSBQAM	50	24	19.18	19.28	19.45			20	2.4		
20	SSBQAM	50	50	19.26	19.23	19.28						
20	SSBQAM	100	0	19.09	19.18	19.09						
Channel												
Frequency (MHz)												
15	QPSK	1	0	20.72	20.91	20.81			22.4	0		
15	QPSK	1	37	20.83	20.74	20.82						
15	QPSK	1	74	20.69	20.69	20.81						
15	QPSK	36	0	20.56	20.74	20.70			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	20	20.82	20.68	20.76						
15	HQAM	75	0	20.69	20.69	20.75				22.4	0	
15	HQAM	1	0	20.78	20.79	20.81						
15	HQAM	1	37	20.71	20.71	20.71			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	20.82	20.70	20.72						
15	HQAM	36	36	20.54	20.50	20.74				22.4	0	
15	HQAM	75	0	20.59	20.95	20.89						
15	HQAM	75	0	20.73	20.68	20.76			20	2.4		
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	12	0	19.50	19.50	19.50						
15	SSBQAM	36	20	19.19	19.26	19.41			20	2.4		
15	SSBQAM	36	39	19.18	19.17	19.27						
15	SSBQAM	75	25	19.09	19.03	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	20.82						
10	QPSK	1	49	20.63	20.56	20.78				22.4	0	
10	QPSK	25	0	20.59	20.65	20.69						
10	QPSK	25	12	20.81	20.69	20.68				22.4	0	
10	QPSK	25	25	20.62	20.49	20.75						
10	QPSK	50	0	20.64	20.74	20.66			22.4	0		
10	HQAM	1	0	20.71	20.76	20.64						
10	HQAM	1	25	20.68	20.78	20.82				22.4	0	
10	HQAM	25	0	20.57	20.58	20.62						
10	HQAM	25	12	20.61	20.63	20.81			22.4	0		
10	HQAM	25	25	20.77	20.71	20.63						
10	HQAM	50	0	20.72	20.68	20.74				22.4	0	
10	HQAM	1	0	20.84	20.61	20.81						
10	HQAM	1	25	20.72	20.66	20.67			22.4	0		
10	HQAM	1	49	20.50	20.67	20.78						
10	HQAM	25	0	20.57	20.58	20.62				22.4	0	
10	HQAM	25	12	20.61	20.63	20.81						
10	HQAM	25	25	20.77	20.71	20.63			22.4	0		
10	HQAM	50	0	20.72	20.65	20.67						
10	HQAM	1	0	20.84	20.61	20.81				22.4	0	
10	HQAM	1	25	20.72	20.66	20.67						
10	HQAM	1	49	20.50	20.67	20.78			22.4	0		
10	HQAM	25	0	20.57	20.58	20.62						
10	HQAM	25	12	20.61	20.63	20.81				22.4	0	
10	HQAM	25	25	20.77	20.71	20.63						
10	HQAM	50	0	20.72	20.68	20.74			22.4	0		
10	HQAM	1	0	20.84	20.61	20.81						
10	HQAM	1	25	20.72	20.66	20.67				22.4	0	
10	HQAM	1	49	20.50	20.67	20.78						
10	HQAM	25	0	20.57	20.58	20.62			22.4	0		
10	HQAM	25	12	20.61	20.63	20.81						
10	HQAM	25	25	20.77	20.71	20.63			22.4	0		
10	HQAM	50	0	20.72	20.65	20.67						
10	HQAM	1	0	20.84	20.61	20.81				22.4	0	
10	HQAM	1	25	20.72	20.66	20.67						
10	HQAM	1	49	20.50	20.67	20.78			22.4	0		
10	HQAM	25	0	20.57	20.58	20.62						
10	HQAM	25	12	20.61	20.63	20.81				22.4	0	
10	HQAM	25	25	20.77	20.71	20.63						
10	HQAM	50	0	20.72	20.68	20.74			22.4	0		
10	HQAM	1	0	20.84	20.61	20.81						
10	HQAM	1	25	20.72	20.66	20.67				22.4	0	
10	HQAM	1	49	20.50	20.67	20.78						
10	HQAM	25	0	20.57	20.58	20.62			22.4	0		
10	HQAM	25	12	20.61	20.63	20.81						
10	HQAM	25	25	20.77	20.71	20.63			22.4	0		
10	HQAM	50	0	20.72	20.65	20.67						
10	HQAM	1	0	20.84	20.61	20.81				22.4	0	
10	HQAM	1	25	20.72	20.66	20.67						
10	HQAM	1	49	20.50	20.67	20.78			22.4	0		
10	HQAM	25	0	20.57	20.58	20.62						
10	HQAM	25	12	20.61	20.63	20.81				22.4	0	
10	HQAM	25	25	20.77	20.71	20.63						
10	HQAM	50	0	20.72	20.68	20.74			22.4	0		
10	HQAM	1	0	20.84	20.61	20.81						
10	HQAM	1	25	20.72	20.66	20.67				22.4	0	
10	HQAM	1	49	20.50	20.67	20.78						
10	HQAM	25	0	20.57	20.58	20.62			22.4	0		
10	HQAM	25	12	20.61	20.63	20.81						
10	HQAM	25	25	20.77	20.71	20.63			22.4	0		
10	HQAM	50	0	20.72	20.65	20.67						
10	HQAM	1	0	20.84	20.61	20.81				22.4	0	
10	HQAM	1	25	20.72	20.66	20.67						
10	HQAM	1	49	20.50	20.67	20.78			22.4	0		
10	HQAM	25	0	20.57	20.58	20.62						
10	HQAM	25	12	20.61	20.63	20.81				22.4	0	
10	HQAM	25	25	20.77	20.71	20.63						
10	HQAM	50	0	20.72	20.68	20.74			22.4	0		
10	HQAM	1	0	20.84	20.61	20.81						
10	HQAM	1	25	20.72	20.66	20.67				22.4	0	
10	HQAM	1	49	20.50	20.67	20.78						
10	HQAM	25	0	20.57	20.58	20.62			22.4	0		
10	HQAM	25	12	20.61	20.63	20.81						
10	HQAM	25	25	20.77	20.71	20.63			22.4	0		
10	HQAM	50	0	20.72	20.65	20.67						
10	HQAM	1	0	20.84	20.61	20.81				22.4	0	
10	HQAM	1	25	20.72	20.66	20.67						
10	HQAM	1	49	20.50	20.67	20.78			22.4	0		
10	HQAM	25	0	20.57	20.58	20.62						
10	HQAM	25	12	20.61	20.63	20.81				22.4	0	
10	HQAM	25	25	20.77	20.71	20.63						
10	HQAM	50	0	20.72	20.68	20.74			22.4	0		
10	HQAM	1	0	20.84	20.61	20.81						
10	HQAM	1	25	20.72	20.66	20.67				22.4	0	
10	HQAM	1	49	20.50	20.67	20.78						
10	HQAM	25	0	20.57	20.58	20.62			22.4	0		
10	HQAM	25	12	20.61	20.63	20.81						
10	HQAM	25	25	20.77	20.71	20.63			22.4	0		
10	HQAM	50	0	20.72	20.65	20.67						
10	HQAM	1	0	20.84	20.61	20.81				22.4	0	
10	HQAM	1	25	20.72	20.66	20.67						
10	HQAM	1	49	20.50	20.67	20.78			22.4	0		
10	HQAM	25	0	20.57	20.58	20.62						
10	HQAM	25	12	20.61	20.63	20.81				22.4	0	
10	HQAM	25	25	20.77	20.71	20.63						
10	HQAM	50	0	20.72	20.68	20.74			22.4	0		
10	HQAM	1	0	20.84	20.61	20.81						
10	HQAM	1	25	20.72	20.66	20.67				22.4	0	
10	HQAM	1	49	20.50	20.67	20.78						
10	HQAM	25	0	20.57	20.58	20.62			22.4			

Band 12 Ant0 Simultaneous										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turnup (dB)	MFR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.63	22.76	22.81				
10	QPSK	1	25	22.65	22.68	22.84	24	0		
10	QPSK	1	50	22.61	22.82	22.81				
10	QPSK	1	25	22.64	22.75	22.62				
10	QPSK	1	25	22.59	22.58	22.72				
10	QPSK	1	50	22.70	22.72	22.47				
10	QPSK	50	0	22.70	22.75	22.70				
10	QPSK	1	0	22.56	22.57	22.52				
10	QPSK	1	25	22.51	22.50	22.47				
10	QPSK	1	49	22.51	22.47	22.45				
10	QPSK	25	0	22.49	22.53	22.49				
10	QPSK	25	25	22.50	22.54	22.50				
10	QPSK	25	25	22.53	22.51	22.50				
10	QPSK	50	0	22.52	22.54	22.52				
10	QPSK	50	25	22.51	22.48	22.51				
10	QPSK	1	25	22.50	22.48	22.57				
10	QPSK	1	49	22.42	22.57	22.45				
10	QPSK	25	12	22.56	22.56	22.56				
10	QPSK	25	12	22.62	22.70	22.65				
10	QPSK	25	25	22.52	22.49	22.56				
10	QPSK	25	25	22.59	22.58	22.58				
10	25QPSK	1	0	19.06	19.25	19.31				
10	25QPSK	1	25	19.10	19.27	19.12	20	4		
10	25QPSK	1	50	19.12	19.21	19.21				
10	25QPSK	25	0	18.89	19.00	18.91				
10	25QPSK	25	25	18.84	18.89	19.02	20	4		
10	25QPSK	25	25	18.77	18.86	18.86				
10	25QPSK	50	0	18.93	18.99	18.88				
								Turn-up (dB)	MFR (dB)	
Channel								70.15	70.57	71.13
5	QPSK	1	0	22.50	22.57	22.54				
5	QPSK	1	12	22.62	22.53	22.60	24	0		
5	QPSK	1	25	22.63	22.62	22.63				
5	QPSK	12	0	22.63	22.62	22.46				
5	QPSK	12	7	22.48	22.54	22.58				
5	QPSK	12	12	22.54	22.54	22.54				
5	QPSK	25	0	22.60	22.41	22.50				
5	QPSK	25	0	22.49	22.41	22.50				
5	QPSK	25	12	22.42	22.38	22.48				
5	QPSK	1	24	22.38	22.43	22.48				
5	QPSK	12	5	22.48	22.42	22.48				
5	QPSK	12	12	22.42	22.50	22.48				
5	QPSK	12	19	22.44	22.54	22.56	24	0		
5	QPSK	25	0	22.39	22.59	22.59				
5	QPSK	25	12	22.41	22.43	22.57				
5	QPSK	25	12	22.46	22.46	22.54				
5	QPSK	25	24	22.35	22.55	22.50				
5	QPSK	12	7	22.52	22.48	22.48				
5	QPSK	12	7	22.45	22.61	22.59				
5	QPSK	12	13	22.42	22.42	22.38				
5	QPSK	12	19	22.42	22.58	22.49				
5	25QPSK	1	0	19.00	19.17	19.17				
5	25QPSK	1	12	19.07	19.25	19.02	20	4		
5	25QPSK	1	25	19.08	19.19	19.08				
5	25QPSK	12	0	18.81	18.81	18.81				
5	25QPSK	12	7	18.80	18.81	18.99	20	4		
5	25QPSK	12	13	18.74	18.85	18.85				
5	25QPSK	25	0	19.02	18.92	18.83				
Channel								230.65	230.95	231.65
Frequency (MHz)										
3	QPSK	1	0	22.47	22.59	22.49				
3	QPSK	1	8	22.55	22.48	22.62				
3	QPSK	1	16	22.63	22.63	22.63				
3	QPSK	8	0	22.52	22.66	22.44				
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				
3	QPSK	1	5	22.37	22.43	22.48				
3	QPSK	1	12	22.42	22.42	22.48				
3	QPSK	1	14	22.45	22.42	22.44				
3	QPSK	8	8	22.39	22.49	22.41				
3	QPSK	8	12	22.43	22.43	22.43				
3	QPSK	8	7	22.43	22.53	22.52				
3	QPSK	15	5	22.46	22.48	22.50				
3	QPSK	1	16	22.63	22.63	22.63				
3	QPSK	8	4	22.57	22.70	22.57				
3	QPSK	8	7	22.38	22.41	22.48				
3	QPSK	15	0	22.63	22.63	22.63				
3	25QPSK	1	0	19.08	19.19	19.19				
3	25QPSK	1	8	18.99	19.17	19.02	20	4		
3	25QPSK	1	16	19.00	19.00	19.00				
3	25QPSK	8	0	18.79	18.05	18.85				
3	25QPSK	8	4	18.76	18.81	18.99	20	4		
3	25QPSK	8	12	18.77	18.82	18.82				
3	25QPSK	15	0	18.98	18.98	18.91				
Channel								230.17	230.95	231.75
Frequency (MHz)										
1.4	QPSK	1	0	22.62	22.60	22.55	Turn-up (dB)	MFR (dB)		
1.4	QPSK	1	3	22.56	22.65	22.61				
1.4	QPSK	1	5	22.53	22.50	22.63				
1.4	QPSK	1	28	22.58	22.67	22.61	24	0		
1.4	QPSK	1	1	22.47	22.49	22.53				
1.4	QPSK	3	3	22.53	22.54	22.56				
1.4	QPSK	3	28	22.50	22.65	22.61	24	0		
1.4	QPSK	1	0	22.49	22.54	22.50				
1.4	QPSK	1	3	22.45	22.45	22.43				
1.4	QPSK	1	28	22.42	22.38	22.47				
1.4	QPSK	3	0	22.31	22.33	22.48				
1.4	QPSK	1	1	22.52	22.64	22.44				
1.4	QPSK	3	28	22.44	22.50	22.40				
1.4	QPSK	6	0	22.36	22.56	22.63	24	0		
1.4	QPSK	1	0	22.41	22.54	22.49				
1.4	QPSK	1	28	22.42	22.38	22.47				
1.4	QPSK	1	5	22.25	22.33	22.40				
1.4	QPSK	1	3	22.47	22.42	22.40	24	0		
1.4	QPSK	1	28	22.49	22.48	22.49				
1.4	QPSK	3	0	22.43	22.60	22.41				
1.4	QPSK	3	28	22.36	22.42	22.42				
1.4	25QPSK	1	3	19.00	19.19	19.05				
1.4	25QPSK	1	5	18.99	19.20	19.08	20	4		
1.4	25QPSK	3	0	18.83	18.86	18.96				
1.4	25QPSK	3	1	18.82	18.86	18.84				
1.4	25QPSK	3	3	18.76	18.75	18.77				
1.4	25QPSK	3	28	18.80	18.80	18.80	20	4		

Band 2 Ant1 Standalone											
SR (MHz)	Modulation	RB Size	RB Offset	Power Lvl Ch./Frac.	Power Lvl Ch./Frac.	Power Lvl Ch./Frac.	Turn-on Time (ms)	APR (dB)			
Channel											
Frequency (MHz)				1800	1800	1800	Turn-on Time (ms)	APR (dB)			
20	QPSK	1	0	20.02	20.08	20.07	20.0	0			
20	QPSK	1	48	19.98	19.92	19.95					
20	QPSK	1	96	19.91	19.86	19.89					
20	QPSK	50	0	19.99	19.99	19.99					
20	QPSK	50	24	20.01	19.93	19.83	20.0	0			
20	QPSK	50	50	19.95	19.98	19.98					
20	QPSK	100	0	19.98	19.97	19.94					
20	QPSK	100	0	19.98	19.98	19.95					
20	16QAM	1	0	19.99	19.99	19.99	20.0	0			
20	16QAM	1	48	19.79	19.93	19.80					
20	16QAM	1	96	19.80	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	19.72	19.82	19.79					
20	16QAM	100	0	19.32	19.32	19.30					
20	16QAM	100	0	19.32	19.32	19.30					
20	256QAM	1	0	19.30	19.31	19.31	18.0	2			
20	256QAM	1	48	19.78	19.26	19.26					
20	256QAM	1	96	19.76	19.23	19.23					
20	256QAM	50	0	19.76	19.27	19.24					
20	256QAM	50	24	19.74	19.17	19.12	18.0	2			
20	256QAM	50	50	19.68	19.20	19.21					
20	256QAM	100	0	19.07	19.16	19.14					
20	256QAM	100	0	19.07	19.16	19.14					
Channel											
Frequency (MHz)				1800	1800	1800	Turn-on Time (ms)	APR (dB)			
15	QPSK	1	0	19.08	19.01	19.08	20.0	0			
15	QPSK	1	37	19.83	19.78	19.87					
15	QPSK	1	74	19.94	19.77	19.87					
15	QPSK	36	0	19.83	19.88	19.87					
15	QPSK	36	20	19.85	19.84	19.84	20.0	0			
15	QPSK	36	50	19.82	19.74	19.80					
15	QPSK	75	0	19.83	19.83	19.86					
15	16QAM	1	0	19.78	19.79	19.79					
15	16QAM	1	37	19.74	19.79	19.79	20.0	0			
15	16QAM	1	74	19.74	19.79	19.79					
15	16QAM	36	0	19.73	19.87	19.73					
15	16QAM	36	24	19.80	19.86	19.86					
15	16QAM	36	50	19.95	19.89	19.87	20.0	0			
15	16QAM	75	0	19.81	19.87	19.77					
15	64QAM	1	0	19.73	19.86	19.84		20.0	0		
15	64QAM	1	37	19.80	19.79	19.79					
15	64QAM	1	74	19.81	19.80	19.78					
15	64QAM	36	0	19.74	19.79	19.80					
15	64QAM	36	20	19.82	19.88	19.85	20.0	0			
15	64QAM	36	50	19.31	19.88	19.83					
15	64QAM	75	0	19.88	19.88	19.85					
15	256QAM	1	0	19.02	19.02	19.01					
15	256QAM	1	37	19.75	19.24	19.25	18.0	2			
15	256QAM	1	74	19.76	19.24	19.22					
15	256QAM	50	0	19.74	19.24	19.25					
15	256QAM	50	24	19.74	19.11	19.11					
15	256QAM	50	50	19.68	19.20	19.14	18.0	2			
15	256QAM	50	75	19.68	19.20	19.14					
15	256QAM	100	0	19.08	19.08	19.04					
15	256QAM	100	0	19.08	19.08	19.04					
Channel											
Frequency (MHz)				1800	1800	1800	Turn-on Time (ms)	APR (dB)			
10	QPSK	1	0	19.08	19.07	19.08	20.0	0			
10	QPSK	1	25	19.73	19.81	19.75					
10	QPSK	1	48	19.83	19.77	19.84					
10	QPSK	25	0	19.86	19.86	19.86		20.0	0		
10	QPSK	25	12	19.88	19.78	19.78					
10	QPSK	25	25	19.88	19.80	19.78					
10	16QAM	1	0	19.72	19.84	19.81	20.0	0			
10	16QAM	1	25	19.82	19.80	19.82					
10	16QAM	1	48	19.82	19.80	19.80					
10	16QAM	25	0	19.88	19.87	19.75					
10	16QAM	25	12	19.78	19.79	19.87	20.0	0			
10	16QAM	25	25	19.81	19.84	19.83					
10	16QAM	50	0	19.81	19.82	19.82		20.0	0		
10	64QAM	1	0	19.91	19.75	19.75					
10	64QAM	1	25	19.91	19.75	19.75		20.0	0		
10	64QAM	1	48	19.84	19.85	19.85					
10	64QAM	25	0	19.88	19.82	19.82					
10	64QAM	25	12	19.83	19.84	19.83	20.0	0			
10	64QAM	25	25	19.83	19.84	19.83					
10	64QAM	50	0	19.74	19.79	19.86					
10	64QAM	50	0	19.74	19.79	19.86					
10	256QAM	1	0	19.02	19.02	19.02	18.0	2			
10	256QAM	1	25	19.08	19.20	19.24					
10	256QAM	1	48	19.08	19.21	19.20					
10	256QAM	50	0	19.08	19.07	19.08					
10	256QAM	50	12	19.08	19.07	19.08	18.0	2			
10	256QAM	50	25	19.08	19.07	19.08					
10	256QAM	25	0	19.02	19.10	19.21					
10	256QAM	25	0	19.02	19.14	19.12					
Channel											
Frequency (MHz)				1800	1800	1800	Turn-on Time (ms)	APR (dB)			
5	QPSK	1	0	19.87	19.87	19.84	20.0	0			
5	QPSK	1	12	19.86	19.86	19.86					
5	QPSK	1	24	19.81	19.75	19.85					
5	QPSK	12	0	20.02	19.88	19.83		20.0	0		
5	QPSK	12	7	19.89	19.77	19.78					
5	QPSK	12	13	19.94	19.88	19.82					
5	QPSK	25	0	19.86	19.85	19.84	20.0	0			
5	16QAM	1	0	19.84	19.85	19.87					
5	16QAM	1	12	19.74	19.79	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	19.78	19.83	19.80		20.0	0		
5	16QAM	12	13	19.87	19.86	19.85					
5	16QAM	25	0	20.01	20.03	19.83					
5	64QAM	1	0	19.78	19.81	19.77	20.0	0			
5	64QAM	1	12	19.86	19.79	19.89					
5	64QAM	1	24	19.79	19.79	19.7	20.0	0			
5	64QAM	12	0	19.87	19.87	19.87					
5	64QAM	12	7	19.86	19.87	19.86					
5	64QAM	12	13	19.85	19.79	19.75					
5	256QAM	1	0	19.02	19.02	19.02	18.0	2			
5	256QAM	1	12	19.08	19.20	19.20					
5	256QAM	1	24	19.08	19.21	19.20					
5	256QAM	12	0	19.02	19.10	19.21					
5	256QAM	12	7	19.02	19.14	19.12	18.0	2			
5	256QAM	12	13	19.08	19.15	19.14					
5	256QAM	25	0	19.08	19.07	19.08					
5	256QAM	25	0	19.08	19.07	19.08					
Channel											
Frequency (MHz)				1800	1800	1800	Turn-on Time (ms)	APR (dB)			
3	QPSK	1	0	19.87	19.87	19.84	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	8	0	19.87	19.87	19.87		20.0	0		
3	QPSK	8	7	19.82	19.82	19.85					
3	QPSK	15	0	19.83	19.84	19.86					
3	16QAM	1	0	19.73	19.79	19.79	20.0	0			
3	16QAM	1	6	19.71	19.86	19.77					
3	16QAM	1	14	19.69	19.84	19.76					
3	16QAM	8	0	19.73	19.78	19.78					
3	16QAM	8	7	19.67	19.84	19.77	20.0	0			
3	16QAM	8	14	19.77	19.87	19.77					
3	16QAM	15	0	19.79	19.87	19.87		20.0	0		
3	64QAM	1	0	19.76	19.87	19.87					
3	64QAM	1	6	19.76	19.85	19.87					
3	64QAM	1	14	19.71	19.71	19.69		20.0	0		
3	64QAM	15	0	19.79	19.79	19.79					
3	64QAM	8	0	19.76	19.87	19.87					
3	64QAM	8	7	19.62	19.81	19.84					
3	256QAM	1	0	19.02	19.02	19.02	18.0	2			
3	256QAM	1	6	19.16	19.24	19.20					
3	256QAM	8	0	19.16	19.16	19.17					
3	256QAM	8	13	19.11	19.16	19.13					
3	256QAM	8	0	19.03	19.16	19.13	18.0	2			
3	256QAM	8	7	19.00	19.19	19.20					
3	256QAM	8	13	19.07	19.17	19.17					
3	256QAM	15	0	19.00	19.00	19.00					
Channel											
Frequency (MHz)				1800	1800	1800	Turn-on Time (ms)	APR (dB)			
1.4	QPSK	1	0	19.72	19.82	19.74	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		20.0	0		
1.4	QPSK	3	3	19.81	19.81	19.84					
1.4	QPSK	6	0	19.82	19.79	19.84					
1.4	16QAM	1	0	19.75	19.78	19.81	20.0	0			
1.4	16QAM	1	3	19.79	19.88	19.78					
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	19.74	19.87	19.78	20.0	0			
1.4	16QAM	6	3	19.79	19.86	19.80					
1.4	16QAM	1	0	19.76	19.86	19.80					
1.4	16QAM	1	3	19.85	19.86	19.80					
1.4	16QAM	1	6	19.74	19.87	19.78	20.0	0			
1.4	16QAM	1	9	19.79	19.87	19.78					
1.4	16QAM	3	0	19.71	19.88	19.81					
1.4	16QAM	3	3	1							

Band 7 Ant1 Standalone											
RF B/W	Modulation	RF Size	RF Offset	Power Level	Power Min(dBm)	Power Max(dBm)	Time to Acq. (ms)	APR (dB)			
Channel											
Frequency (MHz)				2310	2335	2350					
20	QPSK	1	0	19.97	20.03	20.00	21.8	0			
20	QPSK	1	40	19.94	20.12	20.06					
20	QPSK	1	80	19.79	20.02	19.95					
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	19.86					
20	16QAM	1	80	19.82	20.12	19.76					
20	16QAM	50	0	20.05	20.13	19.99	21.8	0			
20	16QAM	50	20	19.98	19.74	19.76					
20	16QAM	50	40	19.95	19.90	20.00					
20	16QAM	100	0	20.06	19.82	19.87	21.8	0			
20	16QAM	1	0	19.80	20.13	20.08					
20	16QAM	1	40	19.91	19.95	20.00					
20	16QAM	1	80	19.73	19.86	19.83	21.8	0			
20	16QAM	50	0	20.12	19.77	20.01					
20	16QAM	50	20	19.91	19.83	19.81					
20	16QAM	50	40	19.71	19.83	19.85	21.8	0			
20	16QAM	50	80	19.73	19.76	19.85					
20	16QAM	100	0	19.78	19.85	19.84					
20	25QAM	1	0	19.83	20.15	19.87	20	1.6			
20	25QAM	1	40	19.79	19.87	19.81					
20	25QAM	1	80	19.76	19.80	19.83					
20	25QAM	36	0	19.87	19.88	19.86	20	1.6			
20	25QAM	36	20	19.71	19.78	19.78					
20	25QAM	36	40	19.84	19.82	19.77					
20	25QAM	72	0	19.77	19.78	19.78	20	1.6			
20	25QAM	1	0	19.83	20.15	19.87					
20	25QAM	1	40	19.79	19.87	19.81					
Channel											
Frequency (MHz)				2355	2355	2355.5	Time to Acq. (ms)	APR (dB)			
15	QPSK	1	0	19.94	20.27	19.98	21.8	0			
15	QPSK	1	20	19.86	19.86	19.87					
15	QPSK	1	40	19.89	19.83	19.91					
15	QPSK	36	0	19.87	19.89	19.93	21.8	0			
15	QPSK	36	20	20.02	19.82	19.86					
15	QPSK	36	40	19.78	19.88	19.82					
15	16QAM	1	0	19.86	20.00	19.92	21.8	0			
15	16QAM	1	40	19.80	19.93	19.91					
15	16QAM	1	74	19.86	19.90	20.08					
15	16QAM	36	0	20.00	19.82	19.86	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	72	0	19.99	19.77	19.86	21.8	0			
15	16QAM	1	0	19.86	19.95	19.90					
15	16QAM	1	40	19.88	19.83	19.91					
15	16QAM	1	74	19.87	19.78	19.76	21.8	0			
15	16QAM	36	0	19.82	19.86	19.74					
15	16QAM	36	20	19.80	19.89	19.89					
15	16QAM	36	40	19.80	19.86	19.85	21.8	0			
15	16QAM	72	0	19.82	19.83	19.79					
15	16QAM	72	0	19.74	19.88	19.78					
15	25QAM	1	0	19.88	19.88	19.88	20	1.6			
15	25QAM	1	40	19.75	19.79	19.78					
15	25QAM	1	74	19.75	19.68	19.81					
15	25QAM	36	0	19.89	19.89	19.89	20	1.6			
15	25QAM	36	20	19.71	19.81	19.75					
15	25QAM	36	40	19.84	19.82	19.77					
15	25QAM	72	0	19.77	19.81	19.81	20	1.6			
15	25QAM	1	0	19.83	20.15	19.87					
15	25QAM	1	40	19.79	19.87	19.81					
Channel											
Frequency (MHz)				2355.5	2355	2355.5	Time to Acq. (ms)	APR (dB)			
5	QPSK	1	0	19.96	20.15	19.94	21.8	0			
5	QPSK	1	12	19.83	20.04	19.98					
5	QPSK	1	24	19.85	19.84	19.89					
5	QPSK	12	0	19.89	19.87	19.86	21.8	0			
5	QPSK	12	7	19.88	19.87	19.84					
5	QPSK	12	13	19.89	20.03	19.87					
5	QPSK	20	0	19.78	19.89	19.73	21.8	0			
5	QPSK	20	12	19.85	19.86	19.84					
5	QPSK	20	24	19.87	19.85	19.89					
5	16QAM	1	0	19.80	20.13	19.86	21.8	0			
5	16QAM	1	12	19.78	20.00	19.79					
5	16QAM	1	24	19.82	20.10	20.03					
5	16QAM	12	0	19.89	19.87	19.84	21.8	0			
5	16QAM	12	7	19.89	19.86	19.85					
5	16QAM	12	13	19.90	20.06	19.90					
5	16QAM	20	0	19.79	19.89	19.73	21.8	0			
5	16QAM	20	12	19.75	19.86	19.83					
5	16QAM	20	24	19.78	19.77	19.87					
5	16QAM	1	0	19.84	20.03	19.95	21.8	0			
5	16QAM	1	12	19.83	19.87	19.81					
5	16QAM	1	24	19.74	19.92	19.84					
5	16QAM	12	0	19.89	19.87	19.86	21.8	0			
5	16QAM	12	7	19.82	19.84	19.85					
5	16QAM	12	13	19.84	19.93	19.77					
5	16QAM	20	0	19.79	19.89	19.73	21.8	0			
5	16QAM	20	12	19.76	19.88	19.84					
5	16QAM	20	24	19.87	19.72	19.79					
5	25QAM	1	0	19.83	20.15	19.87	20	1.6			
5	25QAM	1	12	19.81	19.84	19.84					
5	25QAM	1	24	19.81	19.72	19.74					
5	25QAM	12	0	19.76	19.79	19.78	20	1.6			
5	25QAM	12	7	19.75	19.80	19.75					
5	25QAM	12	13	19.77	19.92	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)	SRP (dB)	SRP (dB)	SRP (dB)
Channel										
Frequency (MHz)										
20	QPSK	1	0	18.00	18.00	17.98	10	0		
20	QPSK	1	49	18.03	17.92	18.00	10	1	0	
20	QPSK	1	99	17.83	17.94	17.94	10	0		
20	QPSK	50	0	18.00	18.00	17.98	10	0		
20	QPSK	50	24	18.00	17.92	17.94	10	0	1	0
20	QPSK	50	50	17.89	17.87	18.01	10	0		
20	QPSK	100	0	17.92	17.92	17.92	10	0		
20	16QAM	1	0	17.98	17.92	17.92	10	0		
20	16QAM	1	49	17.97	18.04	17.91	10	1	0	
20	16QAM	1	99	17.92	18.00	17.98	10	0		
20	16QAM	50	0	17.82	17.81	17.82	10	0		
20	16QAM	50	24	17.86	17.86	17.86	10	0		
20	16QAM	50	50	18.00	17.98	18.00	10	0		
20	16QAM	100	0	17.86	17.86	17.77	10	0		
20	256QAM	1	0	18.00	18.00	17.97	10	0		
20	256QAM	1	49	18.03	18.02	17.97	10	1	0	
20	256QAM	1	99	17.98	17.94	17.98	10	0		
20	256QAM	50	0	18.00	17.91	17.92	10	0		
20	256QAM	50	24	17.98	17.87	17.77	10	0		
20	256QAM	50	50	17.94	17.92	17.84	10	0		
20	256QAM	100	0	17.81	17.83	17.88	10	0		
Channel										
Frequency (MHz)										
15	QPSK	1	0	17.88	18.00	17.92	10	0		
15	QPSK	1	37	17.87	17.84	17.83	10	0		
15	QPSK	1	74	17.88	17.88	17.88	10	0		
15	QPSK	36	0	17.86	18.02	17.94	10	0		
15	QPSK	36	20	17.88	17.82	17.84	10	0		
15	QPSK	36	50	17.74	17.78	17.82	10	0		
15	QPSK	75	0	17.87	17.87	17.85	10	0		
15	16QAM	1	0	17.72	17.86	17.82	10	0		
15	16QAM	1	37	17.86	17.86	17.86	10	0		
15	16QAM	1	74	17.77	17.83	17.81	10	0		
15	16QAM	36	0	17.80	17.83	17.80	10	0		
15	16QAM	36	20	17.78	17.78	17.86	10	0		
15	16QAM	36	50	17.95	17.82	17.82	10	0		
15	16QAM	75	0	17.74	17.87	17.85	10	0		
15	16QAM	1	0	17.92	17.91	17.92	10	0		
15	16QAM	1	37	17.80	17.78	17.80	10	0		
15	16QAM	1	74	17.77	17.81	17.81	10	0		
15	16QAM	36	0	17.95	17.86	17.85	10	0		
15	16QAM	36	20	17.84	17.84	17.86	10	0		
15	16QAM	36	50	17.97	17.72	17.85	10	0		
15	16QAM	75	0	17.78	17.87	17.82	10	0		
15	256QAM	1	0	18.00	17.88	17.86	10	0		
15	256QAM	1	37	17.98	17.92	17.88	10	0		
15	256QAM	1	74	17.81	17.77	17.78	10	0		
15	256QAM	36	0	17.88	17.71	17.75	10	0		
15	256QAM	36	20	17.88	17.80	17.82	10	0		
15	256QAM	36	50	17.85	17.88	17.85	10	0		
15	256QAM	75	0	17.78	17.88	17.82	10	0		
Channel										
Frequency (MHz)										
10	QPSK	1	0	17.88	17.88	17.88	10	0		
10	QPSK	1	48	17.84	17.84	17.84	10	0		
10	QPSK	1	99	17.74	17.86	17.82	10	0		
10	QPSK	25	0	18.01	17.94	17.86	10	0		
10	QPSK	25	12	17.92	17.82	17.88	10	0		
10	QPSK	25	25	17.88	17.88	17.88	10	0		
10	QPSK	50	0	17.76	17.76	17.77	10	0		
10	16QAM	1	0	17.87	17.82	17.90	10	0		
10	16QAM	1	25	17.95	17.88	17.75	10	0		
10	16QAM	1	48	17.88	17.86	17.84	10	0		
10	16QAM	25	0	17.88	17.88	17.82	10	0		
10	16QAM	25	12	17.88	17.88	17.88	10	0		
10	16QAM	25	25	17.86	17.82	17.87	10	0		
10	16QAM	50	0	17.72	17.78	17.82	10	0		
10	16QAM	1	0	17.91	17.87	17.88	10	0		
10	16QAM	1	25	17.87	17.78	17.82	10	0		
10	16QAM	1	48	17.77	17.86	18.00	10	0		
10	16QAM	25	0	17.88	17.81	17.82	10	0		
10	16QAM	25	12	17.71	17.81	17.82	10	0		
10	16QAM	25	25	17.86	17.86	17.75	10	0		
10	16QAM	50	0	17.88	17.88	17.75	10	0		
10	256QAM	1	0	18.00	17.86	17.86	10	0		
10	256QAM	1	25	17.95	17.88	17.75	10	0		
10	256QAM	1	48	17.88	17.82	17.78	10	0		
10	256QAM	25	0	17.88	17.74	17.88	10	0		
10	256QAM	25	12	17.88	17.74	17.87	10	0		
10	256QAM	25	25	17.82	17.74	17.87	10	0		
10	256QAM	50	0	17.72	17.72	17.78	10	0		
Channel										
Frequency (MHz)										
5	QPSK	1	0	17.87	17.87	17.88	10	0		
5	QPSK	1	12	17.86	17.86	17.86	10	0		
5	QPSK	1	24	17.87	17.80	17.82	10	0		
5	QPSK	12	0	18.02	18.00	17.88	10	0		
5	QPSK	12	7	17.87	17.78	17.71	10	0		
5	QPSK	12	13	17.75	17.82	17.86	10	0		
5	QPSK	25	0	17.84	17.78	17.88	10	0		
5	16QAM	1	0	17.82	17.81	17.87	10	0		
5	16QAM	1	12	17.82	17.88	17.88	10	0		
5	16QAM	1	24	17.77	17.87	17.84	10	0		
5	16QAM	12	0	17.80	17.79	17.82	10	0		
5	16QAM	12	7	17.80	17.73	17.82	10	0		
5	16QAM	12	13	17.82	17.86	17.87	10	0		
5	16QAM	25	0	17.81	17.75	17.82	10	0		
5	256QAM	1	0	18.00	18.00	17.86	10	0		
5	256QAM	1	12	18.00	17.88	17.88	10	0		
5	256QAM	1	24	17.77	17.87	17.84	10	0		
5	256QAM	12	0	17.80	17.79	17.82	10	0		
5	256QAM	12	7	17.80	17.73	17.82	10	0		
5	256QAM	12	13	17.82	17.86	17.87	10	0		
5	256QAM	25	0	17.81	17.75	17.82	10	0		
5	256QAM	1	0	18.00	18.00	17.86	10	0		
5	256QAM	1	12	18.00	17.88	17.88	10	0		
5	256QAM	1	24	17.77	17.87	17.84	10	0		
5	256QAM	12	0	17.80	17.79	17.82	10	0		
5	256QAM	12	7	17.80	17.73	17.82	10	0		
5	256QAM	12	13	17.82	17.86	17.87	10	0		
5	256QAM	25	0	17.81	17.75	17.82	10	0		
Channel										
Frequency (MHz)										
3	QPSK	1	0	18.03	18.00	17.98	10	0		
3	QPSK	1	8	18.02	17.97	17.97	10	0		
3	QPSK	1	16	17.82	17.87	17.87	10	0		
3	QPSK	8	0	17.99	17.99	17.99	10	0		
3	QPSK	8	7	17.82	17.86	17.83	10	0		
3	QPSK	15	0	17.96	17.91	17.94	10	0		
3	QPSK	15	8	17.86	17.91	17.84	10	0		
3	QPSK	30	0	17.79	17.92	17.85	10	0		
3	16QAM	1	0	17.77	17.86	17.86	10	0		
3	16QAM	1	16	17.84	17.88	17.88	10	0		
3	16QAM	1	32	17.84	17.88	17.88	10	0		
3	16QAM	8	0	17.79	17.86	17.84	10	0		
3	16QAM	8	7	17.82	17.81	17.83	10	0		
3	16QAM	15	0	17.83	17.83	17.83	10	0		
3	16QAM	1	0	18.00	17.98	17.98	10	0		
3	16QAM	1	8	17.86	17.86	17.86	10	0		
3	16QAM	1	16	17.83	17.86	17.86	10	0		
3	16QAM	8	0	17.86	17.76	17.87	10	0		
3	16QAM	8	7	17.77	17.87	17.87	10	0		
3	16QAM	15	0	17.80	17.80	17.80	10	0		
3	256QAM	1	0	17.98	17.91	17.94	10	0		
3	256QAM	1	8	17.80	17.86	17.87	10	0		
3	256QAM	1	16	17.80	17.86	17.86	10	0		
3	256QAM	8	0	17.86	17.91	17.84	10	0		
3	256QAM	8	7	17.84	17.74	17.82	10	0		
3	256QAM	15	0	17.79	17.79	17.79	10	0		
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	18.03	18.00	17.98	10	0		
1.4	QPSK	1	3	17.83	17.87	17.87	10	0		
1.4	QPSK	1	3	17.82	17.87	17.87	10	0	1	0
1.4	QPSK	3	0	17.81	17.81	17.81	10	0		
1.4	QPSK	3	3	17.71	17.82	17.86	10	0		
1.4	QPSK	6	0	17.76	17.87	17.81	10	0		
1.4	16QAM	1	0	17.74	17.81	17.83	10	0		
1.4	16QAM	1	3	17.79	17.88	17.85	10	0	1	0
1.4	16QAM	1	3	17.79	17.88	17.85	10	0		
1.4	16QAM	3	0	17.79	17.74	17.78	10	0		
1.4	16QAM	3	3	17.81	17.88	17.83	10	0		
1.4	16QAM	6	0	17.78	17.88	17.85	10	0		
1.4	16QAM	1	0	17.95	17.88	17.86	10			

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	2335	2350								
20	QPSK	1	0	18.34	18.35	18.39	20	0						
20	QPSK	1	40	18.29	18.33	18.37								
20	QPSK	1	80	18.28	18.29	18.45								
20	QPSK	50	0	18.32	18.36	18.42	20	0						
20	QPSK	50	20	18.34	18.37	18.41								
20	QPSK	50	40	18.35	18.36	18.40								
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	18.31	18.32	18.35								
20	16QAM	1	80	18.31	18.39	18.38	20	0						
20	16QAM	50	0	18.29	18.37	18.29								
20	16QAM	50	20	18.31	18.36	18.45								
20	16QAM	50	40	18.32	18.36	18.36	20	0						
20	16QAM	100	0	18.21	18.36	18.37								
20	16QAM	1	0	18.30	18.35	18.34								
20	16QAM	1	40	18.35	18.23	18.37	20	0						
20	16QAM	1	80	18.31	18.36	18.32								
20	16QAM	50	0	18.29	18.37	18.35								
20	16QAM	50	20	18.36	18.27	18.37	20	0						
20	16QAM	50	40	18.35	18.27	18.32								
20	16QAM	100	0	18.22	18.32	18.22								
20	25QAM	1	0	18.27	18.33	18.27	20	0						
20	25QAM	1	40	18.17	18.29	18.34								
20	25QAM	1	80	18.28	18.32	18.38								
20	25QAM	50	0	18.16	18.32	18.24	20	0						
20	25QAM	50	20	18.28	18.36	18.38								
20	25QAM	50	40	18.28	18.32	18.16								
20	25QAM	100	0	18.23	18.36	18.16	20	0						
Channel														
Frequency (MHz)				2357.5	2355	2352.5			Time-to- Acq. (ms)	MFR (MHz)				
15	QPSK	1	0	18.46	18.49	18.34			20	0				
15	QPSK	1	40	18.27	18.44	18.48								
15	QPSK	1	74	18.43	18.29	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	18.38								
15	QPSK	75	0	18.18	18.36	18.46	20	0						
15	16QAM	1	0	18.43	18.39	18.46								
15	16QAM	1	40	18.46	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	18.39	18.47	18.35								
15	16QAM	36	40	18.37	18.47	18.35	20	0						
15	16QAM	75	0	18.29	18.31	18.36								
15	16QAM	1	0	18.41	18.44	18.36								
15	16QAM	1	40	18.39	18.42	18.42	20	0						
15	16QAM	1	74	18.35	18.46	18.35								
15	16QAM	36	0	18.35	18.42	18.42								
15	16QAM	36	20	18.37	18.36	18.35	20	0						
15	16QAM	36	40	18.37	18.31	18.38								
15	16QAM	75	0	18.35	18.36	18.35								
15	25QAM	1	0	18.41	18.41	18.35	20	0						
15	25QAM	1	40	18.38	18.39	18.31								
15	25QAM	1	74	18.42	18.44	18.44								
15	25QAM	36	0	18.47	18.37	18.42	20	0						
15	25QAM	36	20	18.42	18.34	18.46								
15	25QAM	36	40	18.31	18.39	18.27								
15	25QAM	75	0	18.34	18.44	18.24	20	0						
15	25QAM	1	0	18.41	18.41	18.35								
15	25QAM	1	40	18.38	18.39	18.31								
Channel														
Frequency (MHz)				2355	2355	2355	Time-to- Acq. (ms)	MFR (MHz)						
5	QPSK	1	0	18.42	18.44	18.41	20	0						
5	QPSK	1	40	18.41	18.44	18.38								
5	QPSK	1	80	18.38	18.44	18.35								
5	QPSK	25	0	18.42	18.44	18.49	20	0						
5	QPSK	25	12	18.38	18.43	18.45								
5	QPSK	25	25	18.43	18.43	18.35								
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	18.35	18.14								
5	16QAM	1	40	18.45	18.31	18.48	20	0						
5	16QAM	25	0	18.37	18.45	18.31								
5	16QAM	25	20	18.37	18.42	18.35								
5	16QAM	25	40	18.25	18.47	18.45	20	0						
5	16QAM	50	0	18.21	18.29	18.41								
5	16QAM	1	0	18.25	18.35	18.41								
5	16QAM	1	40	18.42	18.44	18.46	20	0						
5	16QAM	25	0	18.47	18.43	18.35								
5	16QAM	25	20	18.25	18.35	18.41								
5	16QAM	25	40	18.25	18.35	18.41	20	0						
5	16QAM	50	0	18.25	18.35	18.41								
5	16QAM	50	20	18.25	18.35	18.41								
5	25QAM	1	0	18.45	18.34	18.37	20	0						
5	25QAM	1	40	18.45	18.34	18.45								
5	25QAM	1	80	18.45	18.34	18.45								
5	25QAM	1	20	18.25	18.44	18.45	20	0						
5	25QAM	1	40	18.38	18.49	18.49								
5	25QAM	1	80	18.41	18.36	18.47								
5	25QAM	25	0	18.28	18.36	18.37	20	0						
5	25QAM	25	20	18.34	18.41	18.22								
5	25QAM	1	0	18.38	18.40	18.36								
Channel														
Frequency (MHz)				2357.5	2355	2352.5	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	18.48								
5	QPSK	1	24	18.31	18.29	18.48								
5	QPSK	1	48	18.32	18.44	18.48	20	0						
5	QPSK	1	72	18.36	18.33	18.34								
5	QPSK	1	96	18.31	18.34	18.30								
5	QPSK	25	0	18.38	18.44	18.48	20	0						
5	QPSK	25	12	18.34	18.39	18.43								
5	QPSK	25	24	18.39	18.43	18.39								
5	QPSK	50	0	18.28	18.44	18.32	20	0						
5	16QAM	1	0	18.36	18.38	18.44								
5	16QAM	1	12	18.27	18.42	18.32								
5	16QAM	1	24	18.34	18.24	18.44	20	0						
5	16QAM	25	0	18.37	18.44	18.30								
5	16QAM	25	12	18.37	18.44	18.35								
5	16QAM	25	24	18.25	18.47	18.45	20	0						
5	16QAM	50	0	18.21	18.29	18.41								
5	16QAM	1	0	18.25	18.35	18.41								
5	16QAM	1	12	18.36	18.25	18.43	20	0						
5	16QAM	1	24	18.37	18.43	18.48								
5	16QAM	25	0	18.40	18.36	18.37								
5	16QAM	25	12	18.26	18.30	18.37	20	0						
5	16QAM	25	24	18.26	18.30	18.37								
5	16QAM	50	0	18.26	18.37	18.29								
5	25QAM	1	0	18.38	18.40	18.42	20	0						
5	25QAM	1	12	18.22	18.40	18.38								
5	25QAM	1	24	18.41	18.27	18.42								
5	25QAM	1	36	18.37	18.21	18.42	20	0						
5	25QAM	1	48	18.37	18.36	18.42								
5	25QAM	25	0	18.29	18.44	18.27								

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

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

Uplink CA Power

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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



Downlink CA Power

2CA DL																	
CA List		PCC									SCC					Power	
		LTE	BW	BW	UL	UL	Mod.	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA
		Band	Ant	(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



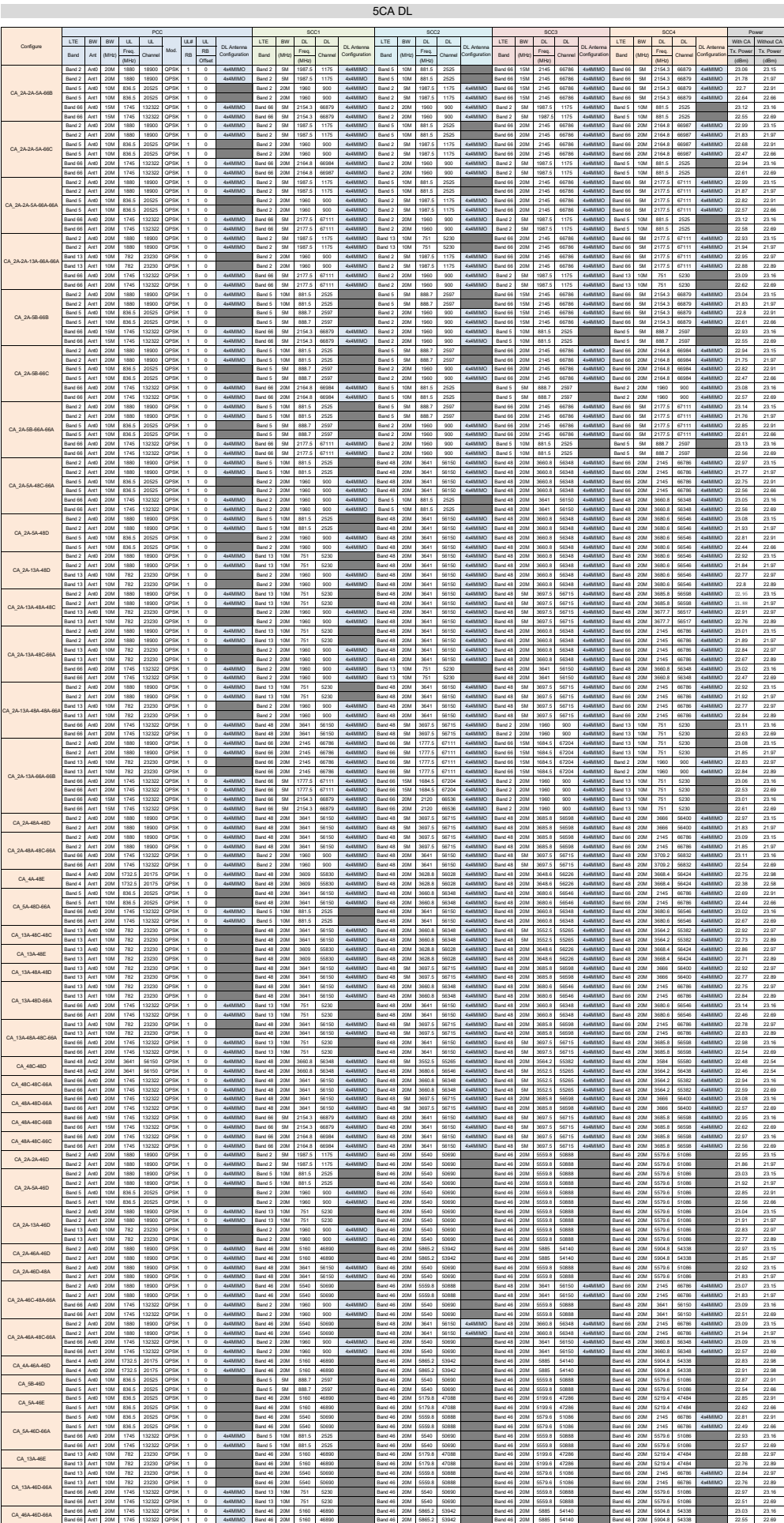
3CA DL

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
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 66	5M	2112.5	66461	4x4MIMO	22.57	22.69
CA_2A_2A_46A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 46	20M	5540	50690		23.11	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 46	20M	5540	50690		21.92	21.97
CA_2A_5A_46A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 46	20M	5540	50690		23.09	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 46	20M	5540	50690		21.88	21.97
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 46	20M	5540	50690		22.86	22.91
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 46	20M	5540	50690		22.53	22.66
	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 46	20M	5540	50690		23.13	23.15
CA_2A_13A_46A	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 46	20M	5540	50690		21.9	21.97
	Band 13	Ant0	10M	752	23230	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 46	20M	5540	50690		22.94	22.97
	Band 13	Ant1	10M	752	23230	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 46	20M	5540	50690		22.82	22.89
CA_4A_46A_46A	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 46	20M	5160	46890		Band 46	20M	5905	54340		22.78	22.98
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 46	20M	5160	46890		Band 46	20M	5905	54340		22.46	22.58
CA_5B_46A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 5	5M	888.7	2597		Band 46	20M	5540	50690		22.84	22.91
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 5	5M	888.7	2597		Band 46	20M	5540	50690		22.62	22.66
CA_5A_46A_46A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 46	20M	5160	46890		Band 46	20M	5905	54340		22.83	22.91
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 46	20M	5160	46890		Band 46	20M	5905	54340		22.6	22.66
CA_13A_46C	Band 13	Ant0	10M	752	23230	QPSK	1	0		Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		22.92	22.97
	Band 13	Ant1	10M	752	23230	QPSK	1	0		Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		22.76	22.89
CA_13A_46A_46A	Band 13	Ant0	10M	752	23230	QPSK	1	0		Band 46	20M	5160	46890		Band 46	20M	5905	54340		22.91	22.97
	Band 13	Ant1	10M	752	23230	QPSK	1	0		Band 46	20M	5160	46890		Band 46	20M	5905	54340		22.75	22.89
CA_46A_46A_66A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 46	20M	5160	46890		Band 46	20M	5905	54340		22.98	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 46	20M	5160	46890		Band 46	20M	5905	54340		22.53	22.69
CA_46A_48A_66A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690		Band 48	20M	3641	56150	4x4MIMO	23.07	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690		Band 48	20M	3641	56150	4x4MIMO	22.54	22.69
CA_46A_66A_66A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 46	20M	5540	50690		23.05	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 46	20M	5540	50690		22.62	22.69



4CA DL

Configure	PCC										SCC1										SCC2										SCC3										Power	
	LTE	BW	BW	UL	UL	Mod.	UL#	UL	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 Tx Power (dBm)	Without CA Tx Power (dBm)											
	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					
CA_2A-2A-4A-4A	Band 2	Ant0	20M	1880	1880Q	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	Band 2	20M	1960	900	4x4MIMO	Band 2	9M	1987.5	1175	4x4MIMO	23.02	23.15						
	Band 4	Ant1	20M	1880	1880Q	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	Band 4	20M	1960	900	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	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	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	1880Q	QPSK	1	0	4x4MIMO	Band 2	9M	1987.5	1175	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 5	10M	881.5	2525		Band 5	10M	881.5	2525		Band 5	9M	888.7	2597		22.98	23.15						
	Band 2	Ant1	20M	1880	1880Q	QPSK	1	0	4x4MIMO	Band 2	9M	1987.5	1175	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 5	10M	881.5	2525		Band 5	10M	881.5	2525		Band 5	9M	888.7	2597		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		Band 5	10M	881.5	2525		Band 5	9M	888.7	2597		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		Band 5	10M	881.5	2525		Band 5	9M	888.7	2597		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	Band 4	20M	2132.5	2175	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	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.42	22.66						
	Band 2	Ant0	20M	1880	1880Q	QPSK	1	0	4x4MIMO	Band 2	9M	1987.5	1175	4x4MIMO	Band 5	10M	881.5	2525		Band 5	9M	888.7	2597		Band 5	9M	888.7	2597		Band 5	9M	888.7	2597		23.12	23.15						
	Band 2	Ant1	20M	1880	1880Q	QPSK	1	0	4x4MIMO	Band 2	9M	1987.5	1175	4x4MIMO	Band 5	10M	881.5	2525		Band 5	9M	888.7	2597		Band 5	9M	888.7	2597		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	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	Band 2	20M	1960	900	4x4MIMO	Band 2	9M	1987.5	1175	4x4MIMO	22.59	22.66						
	Band 2	Ant0	20M	1880	1880Q	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	9M	2152.5	2375	4x4MIMO	Band 5	10M	881.5	2525		Band 5	10M	881.5	2525		Band 5	10M	881.5	2525		23.02	23.15						
	Band 2	Ant1	20M	1880	1880Q	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	9M	2152.5	2375	4x4MIMO	Band 5	10M	881.5	2525		Band 5	10M	881.5	2525		Band 5	10M	881.5	2525		21.78	21.97						
CA_2A-4A-4A-5A	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		Band 5	10M	881.5	2525		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		Band 5	10M	881.5	2525		Band 5	10M	881.5	2525		22.36	22.58						
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	9M	2152.5	2375	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	9M	2152.5	2375	4x4MIMO	22.88	22.91						
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	9M	2152.5	2375	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	9M	2152.5	2375	4x4MIMO	22.46	22.68						
CA_2A-5A-4B	Band 2	Ant0	20M	1880	1880Q	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3650.8	56348	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3650.8	56348	4x4MIMO	22.99	23.15						
	Band 2	Ant1	20M	1880	1880Q	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3650.8	56348	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3650.8	56348	4x4MIMO	21.85	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		Band 5	10M	881.5	2525		Band 5	10M	881.5	2525		22.85	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		Band 5	10M	881.5	2525		Band 5	10M	881.5	2525		22.36	22.58						
CA_2A-5A-4B-6A	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	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.75	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 4	20M	2132.5	2175	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.49	22.66						
	Band 2	Ant0	20M	1880	1880Q	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3650.8	56348	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3650.8	56348	4x4MIMO	22.99	23.15						
	Band 2	Ant1	20M	1880	1880Q	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3650.8	56348	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3650.8	56348	4x4MIMO	21.85	21.97						
CA_2A-13A-66C	Band 66	Ant0	20M	1745	13232Q	QPSK	1	0	4x4MIMO	Band 66	9M	2154.3	66879	4x4MIMO	Band 66	9M	2154.3	66879	4x4MIMO	Band 66	9M	2154.3	66879	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	23.06	23.16						
	Band 66	Ant1	20M	1745	13232Q	QPSK	1	0	4x4MIMO	Band 66	9M	2154.3	66879	4x4MIMO	Band 66	9M	2154.3	66879	4x4MIMO	Band 66	9M	2154.3	66879	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	22.86	22.89						
	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 48	20M	3641	56150	4x4MIMO	Band 66	13M	751	5230		Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	23.06	23.16						
	Band 13	Ant1	10M	782	23230	QPSK	1	0		Band 48	20M	3641	56150	4x4MIMO	Band 66	13M	751	5230		Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	22.61	22.69						
CA_13A-4A-66B	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 48	20M	3641	56150	4x4MIMO	Band 66	13M	751	5230		Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	23.06	23.16						
	Band 13																																									





6CA DL

Configure	PCC								SCC1				SCC2				SCC3				SCC4				SCC5				Power							
	LTE	BW	BW	UL	UL	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA						
	Band	Ant	(MHz)	Freq. (MHz)	Channel				Mod.	RB	RF Offset	Band		(MHz)	Freq. (MHz)	Channel	Band		(MHz)	Freq. (MHz)	Channel	Band		(MHz)	Freq. (MHz)	Channel	Band		(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Tx Power (dBm)
CA_2A-46D-48A-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 48	20M	3641	56150	4xMIMO	Band 66	20M	2145	66786	4xMIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086	22.95	23.15	
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 48	20M	3641	56150	4xMIMO	Band 66	20M	2145	66786	4xMIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086	21.83	21.97	
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 48	20M	3641	56150	4xMIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086	23.01	23.16	
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 48	20M	3641	56150	4xMIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086	22.53	22.69	
CA_2A-46D-66A-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086		Band 66	20M	2145	66786	4xMIMO	Band 66	5M	2177.5	67111	4xMIMO	22.96	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086		Band 66	20M	2145	66786	4xMIMO	Band 66	5M	2177.5	67111	4xMIMO	21.78	21.97
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4xMIMO	Band 66	5M	2177.5	67111	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086	23.05	23.16	
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4xMIMO	Band 66	5M	2177.5	67111	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086	22.48	22.69	
CA_2A-46C-48C-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 48	20M	3641	56150	4xMIMO	Band 48	20M	3660.8	56348	4xMIMO	Band 66	20M	2145	66786	4xMIMO	22.95	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 48	20M	3641	56150	4xMIMO	Band 48	20M	3660.8	56348	4xMIMO	Band 66	20M	2145	66786	4xMIMO	21.86	21.97
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 48	20M	3641	56150	4xMIMO	Band 48	20M	3660.8	56348	4xMIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888	23.03	23.16	
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 48	20M	3641	56150	4xMIMO	Band 48	20M	3660.8	56348	4xMIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888	22.57	22.69	
CA_2A-46A-48E	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 46	20M	5540	50690		Band 48	20M	3609	55830	4xMIMO	Band 48	20M	3628.8	56028	4xMIMO	Band 48	20M	3648.6	56226	4xMIMO	Band 48	20M	3668.4	56424	4xMIMO	22.91	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 46	20M	5540	50690		Band 48	20M	3609	55830	4xMIMO	Band 48	20M	3628.8	56028	4xMIMO	Band 48	20M	3648.6	56226	4xMIMO	Band 48	20M	3668.4	56424	4xMIMO	21.91	21.97
	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 46	20M	5540	50690		Band 48	20M	3641	56150	4xMIMO	Band 48	20M	3660.8	56348	4xMIMO	Band 48	20M	3680.6	56546	4xMIMO	Band 66	20M	2145	66786	4xMIMO	22.93	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 46	20M	5540	50690		Band 48	20M	3641	56150	4xMIMO	Band 48	20M	3660.8	56348	4xMIMO	Band 48	20M	3680.6	56546	4xMIMO	Band 66	20M	2145	66786	4xMIMO	21.95	21.97
CA_2A-46A-48D-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 48	20M	3609	55830	4xMIMO	Band 46	20M	5540	50690		Band 48	20M	3641	56150	4xMIMO	Band 48	20M	3660.8	56348	4xMIMO	Band 48	20M	3680.6	56546	4xMIMO	22.52	22.69
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 48	20M	3609	55830	4xMIMO	Band 46	20M	5540	50690		Band 48	20M	3641	56150	4xMIMO	Band 48	20M	3660.8	56348	4xMIMO	Band 48	20M	3680.6	56546	4xMIMO	23.01	23.16
	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 48	20M	3680.6	56546	4xMIMO	Band 66	20M	2145	66786	4xMIMO	23.06	23.15
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 48	20M	3641	56150	4xMIMO	Band 48	20M	3660.8	56348	4xMIMO	Band 48	20M	3680.6	56546	4xMIMO	Band 66	20M	2145	66786	4xMIMO	21.88	21.97
CA_2A-48E-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 48	20M	3609	55830	4xMIMO	Band 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 2	Ant1	20M	1880	18900	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
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 48	20M	3609	55830	4xMIMO	Band 48	20M	3628.8	56028	4xMIMO	Band 48	20M	3648.6	56226	4xMIMO	Band 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		Tx Power (dBm)	Tx Power (dBm)					
CA_2A-48C	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3600.8	56348	4x4MIMO	Band 48	20M	5160	40890		Band 46	20M	5179.8	47098		Band 46	20M	5199.6	47296		Band 46	20M	5219.4	47494	21.83	21.97	
	Band 2	Ant1	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	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 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	
CA_2A-48E-48A-66A	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	21.83	21.97	
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	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	22.96	23.15	
CA_2A-48E-66A-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 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	
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	5M	2177.5	67111	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	
	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	22.61	22.69	
	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	
CA_2A-48D-48C-66A	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	
	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	
CA_2A-48C-48E	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	Band 48	20M	3668.4	56424	4x4MIMO	22.9	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 48	20M	3641	56150	4x4MIMO	Band 46	20M	3600.8	56348	4x4MIMO	Band 48	20M	3620.6	56546	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	22.97	23.15
	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3600.8	56348	4x4MIMO	Band 48	20M	3620.6	56546	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	23.15	21.97
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3600.8	56348	4x4MIMO	Band 48	20M	3620.6	56546	4x4MIMO	23.03	23.16
CA_48C-48E-66A	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	22.69
	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	56226	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	56226	4x4MIMO	Band 48	20M	3668.4	56424	4x4MIMO	22.48	22.69
	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	56226	4x4MIMO	Band 48	20M	3668.4	56424	4x4MIMO	23.01	23.16



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	379000	383000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1887.5	1880	1892.5			
15	QPSK	1	1	22.23	22.43	22.24	24.0	0.0	
Channel				375000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1860	1865			
10	QPSK	1	1	22.42	22.41	22.17	24.0	0.0	
Channel				379500	379000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1860	1867.5			
5	QPSK	1	1	22.25	22.35	22.18	24.0	0.0	

n5 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	Pi2 BPSK	1	1	22.62	22.63	22.63		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				168300	167800	168300	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	166800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				836	836.5	844			
10	QPSK	1	1	22.46	22.51	22.47	24.0	0.0	
Channel				165300	167300	165300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				840.5	836.5	840.5			
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	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	22.20	22.44	22.31	24.0	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	22.17	22.40	22.43	24.0	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	22.19	22.42	22.47	24.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	22.31	22.42	22.30	24.0	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	22.25	22.47	22.37	24.0	0.0	



n2 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				1800	1800	1800			
Frequency (MHz)				1790	1800	1800			
20	Pi/2 BPSK	1	1	22.96	23.13	23.02			
20	Pi/2 BPSK	1	53	22.77	23.06	22.89	24.0	0.0	
20	Pi/2 BPSK	1	104	22.77	23.00	22.75			
20	Pi/2 BPSK	50	0	22.83	22.83	22.79	24.0	0.0	
20	Pi/2 BPSK	50	28	22.87	22.96	22.76	24.0	0.0	
20	Pi/2 BPSK	50	56	22.71	22.92	22.77	24.0	0.0	
20	Pi/2 BPSK	100	0	22.70	22.97	22.70			
20	QPSK	1	1	22.90	23.15	22.87			
20	QPSK	1	53	22.90	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				1807.5	1880	1802.5	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1807.5	1880	1802.5			
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)				1672.5	1700	1707.5			
5	QPSK	1	1	22.74	23.00	22.88	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				168800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	Pi/2 BPSK	1	1	22.35	22.36	22.34			
20	Pi/2 BPSK	1	53	22.25	22.30	22.24	24.0	0.0	
20	Pi/2 BPSK	1	104	22.09	22.24	22.14			
20	Pi/2 BPSK	50	0	22.05	22.23	22.16	24.0	0.0	
20	Pi/2 BPSK	50	28	22.31	22.34	22.28	24.0	0.0	
20	Pi/2 BPSK	50	56	22.08	22.27	22.23	24.0	0.0	
20	Pi/2 BPSK	100	0	22.28	22.32	22.31			
20	QPSK	1	1	22.52	22.55	22.47			
20	QPSK	1	53	22.24	22.33	22.23	24.0	0.0	
20	QPSK	1	104	22.26	22.31	22.31			
20	QPSK	50	0	22.09	22.22	22.05	24.0	0.0	
20	QPSK	50	28	22.31	22.33	22.17	24.0	0.0	
20	QPSK	50	56	22.20	22.22	22.12	24.0	0.0	
20	QPSK	100	0	22.13	22.29	22.15	24.0	0.0	
20	16QAM	1	1	22.42	22.37	22.42	24.0	0.0	
20	64QAM	1	1	21.70	21.73	21.58	22.5	1.5	
20	256QAM	1	1	19.24	19.43	19.23	20.5	3.5	
Channel				163300	167400	163500	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)				840	846.5	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)				846.5	846.5	846.5			
5	QPSK	1	1	22.41	22.25	22.29	24.0	0.0	

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

Par270 n77 Ant2_PC3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Middle Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)
Channel							
100	Frequency (MHz)	1	23.11	23.17	23.08		
100	PL2 BPSK	1	137	23.05	23.08	22.92	24.0
100	PL2 BPSK	1	271	23.18	23.23	23.23	
100	PL2 BPSK	135	0	22.91	22.91	22.92	24.0
100	PL2 BPSK	135	138	22.86	22.83	22.88	24.0
100	PL2 BPSK	270	0	22.78	22.92	22.92	
100	QPSK	1	1	23.25	23.25	23.25	
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	22.99	24.0
100	QPSK	135	138	22.86	22.88	22.91	24.0
100	QPSK	270	0	22.75	22.89	22.79	24.0
100	16QAM	1	1	22.92	22.87	22.74	24.0
100	16QAM	1	1	22.80	22.38	22.27	23.0
100	256QAM	1	1	23.14	23.18	23.22	23.0
Channel							
80	QPSK	1	1	23.22	23.16	22.93	24.0
Channel							
80	QPSK	1	1	23.01	23.12	22.97	24.0
Channel							
80	QPSK	1	1	23.19	23.22	22.97	24.0
Channel							
70	QPSK	1	1	23.09	23.11	22.95	24.0
Channel							
80	QPSK	1	1	23.12	23.11	22.93	24.0
Channel							
80	QPSK	1	1	23.02	23.19	23.08	24.0
Channel							
80	QPSK	1	1	23.18	23.14	22.94	24.0
Channel							
80	QPSK	1	1	23.15	23.14	22.94	24.0
Channel							
80	QPSK	1	1	23.12	23.11	22.94	24.0
Channel							
80	QPSK	1	1	23.15	23.16	22.94	24.0
Channel							
80	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 Freq.	Power Middle Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)
Channel							
100	Frequency (MHz)	1	1	23.08	23.13	23.14	
100	PL2 BPSK	1	137	23.01	23.13	23.11	27.0
100	PL2 BPSK	1	271	23.01	23.13	23.02	
100	PL2 BPSK	135	0	23.34	23.08	23.39	26.5
100	PL2 BPSK	135	138	23.05	23.07	23.07	27.0
100	PL2 BPSK	135	138	23.07	23.07	23.02	26.5
100	PL2 BPSK	270	0	23.42	23.01	23.30	26.5
100	QPSK	1	1	23.02	23.13	23.13	
100	QPSK	1	137	23.01	23.12	23.09	27.0
100	QPSK	1	271	23.08	23.11	23.09	
100	QPSK	135	0	23.07	23.10	23.09	26.5
100	QPSK	135	138	23.01	23.05	23.01	26.5
100	QPSK	135	138	23.05	23.05	23.00	26.5
100	QPSK	270	0	23.05	23.05	23.00	26.5
100	16QAM	1	1	23.17	23.08	23.05	23.0
100	16QAM	1	1	23.03	23.05	23.75	25.0
100	256QAM	1	1	23.01	23.13	23.13	25.0
Channel							
80	QPSK	1	1	23.05	23.10	23.11	27.0
Channel							
80	QPSK	1	1	23.07	23.10	23.09	27.0
Channel							
70	QPSK	1	1	23.09	23.05	23.13	27.0
Channel							
80	QPSK	1	1	23.01	23.14	23.10	27.0
Channel							
80	QPSK	1	1	23.01	23.15	23.01	27.0
Channel							
80	QPSK	1	1	23.05	23.08	23.00	27.0
Channel							
80	QPSK	1	1	23.05	23.08	23.00	27.0
Channel							
80	QPSK	1	1	23.05	23.08	23.00	27.0
Channel							
80	QPSK	1	1	23.05	23.08	23.00	27.0

Par127Q n77_Ant_2_PC3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Middle Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)
Channel							
100	Frequency (MHz)	1		23.13			
100	PL2 BPSK	1	137	23.02			24.0
100	PL2 BPSK	1	271	23.13			
100	PL2 BPSK	135	0	22.92			24.0
100	PL2 BPSK	135	138	22.88			24.0
100	PL2 BPSK	270	0	22.74			
100	PL2 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	0	22.97			24.0
100	QPSK	135	138	22.85			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	256QAM	1	1	23.12			23.0
Channel							
90	QPSK	1	1	23.04	23.10	23.08	24.0
Channel							
80	QPSK	1	1	23.17	23.18	23.09	24.0
Channel							
70	QPSK	1	1	23.15	23.19	23.09	24.0
Channel							
80	QPSK	1	1	23.16	23.13	22.88	24.0
Channel							
80	QPSK	1	1	23.05	23.04	23.04	24.0
Channel							
80	QPSK	1	1	23.05	23.04	23.04	24.0
Channel							
80	QPSK	1	1	23.05	23.04	23.04	24.0
Channel							
80	QPSK	1	1	23.04	23.11	22.96	24.0

Par127Q n77_Ant_2_PC2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Middle Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)
Channel							
100	Frequency (MHz)	1		23.13			
100	PL2 BPSK	1	137	23.14			27.0
100	PL2 BPSK	1	271	23.18			
100	PL2 BPSK	135	0	23.30			26.5
100	PL2 BPSK	135	138	23.03			26.5
100	PL2 BPSK	270	0	23.36			26.5
100	QPSK	1	1	23.11			
100	QPSK	1	137	23.04			27.0
100	QPSK	1	271	23.01			
100	QPSK	135	0	23.02			26.5
100	QPSK	135	0	23.02			26.5
100	QPSK	135	138	23.05			26.5
100	QPSK	270	0	23.02			26.5
100	16QAM	1	1	23.79			26.5
100	16QAM	1	1	23.83			25.0
100	256QAM	1	1	23.04			23.0
Channel							
90	QPSK	1	1	23.06	23.10	23.05	27.0
Channel							
80	QPSK	1	1	23.06	23.18	23.02	27.0
Channel							
70	QPSK	1	1	23.05	23.19	23.08	27.0
Channel							
80	QPSK	1	1	23.06	23.13	22.88	27.0
Channel							
80	QPSK	1	1	23.05	23.04	23.04	27.0
Channel							
80	QPSK	1	1	23.05	23.04	23.04	27.0
Channel							
80	QPSK	1	1	23.05	23.04	23.04	27.0
Channel							
80	QPSK	1	1	23.04	23.11	22.96	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	MSKAM	1	1		22.14		23.0	1.0	
100	MSKAM	1	1		20.94		21.5	2.5	
100	MSKAM	1	1		16.30		16.5	4.5	
Channel									
Frequency [MHz]									
90	QPSK	1	1		22.59	22.75	24.0	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1		22.52	22.82	22.74	24.0	0.0
Channel									
Frequency [MHz]									
70	QPSK	1	1		22.55	22.65	22.62	24.0	0.0
Channel									
Frequency [MHz]									
60	QPSK	1	1		22.13	22.82	22.69	24.0	0.0
Channel									
Frequency [MHz]									
50	QPSK	1	1		22.73	22.82	22.75	24.0	0.0
Channel									
Frequency [MHz]									
40	QPSK	1	1		22.51	22.72	22.60	24.0	0.0
Channel									
Frequency [MHz]									
30	QPSK	1	1		22.82	22.88	22.85	24.0	0.0
Channel									
Frequency [MHz]									
20	QPSK	1	1		22.52	22.76	22.67	24.0	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		22.76		23.5	0.5	
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		21.76				
100	MSKAM	1	1		22.11		23.0	1.0	
100	MSKAM	1	1		20.94		21.5	2.5	
100	MSKAM	1	1		16.13		16.5	4.5	
Channel									
Frequency [MHz]									
90	QPSK	1	1		22.59	22.85	22.55	24.0	0.0
Channel									
Frequency [MHz]									
80	QPSK	1	1		22.69	22.71	22.69	24.0	0.0
Channel									
Frequency [MHz]									
70	QPSK	1	1		22.65	22.66	22.64	24.0	0.0
Channel									
Frequency [MHz]									
60	QPSK	1	1		22.59	22.58	22.58	24.0	0.0
Channel									
Frequency [MHz]									
50	QPSK	1	1		22.82	22.88	22.89	24.0	0.0
Channel									
Frequency [MHz]									
40	QPSK	1	1		22.80	22.88	22.85	24.0	0.0
Channel									
Frequency [MHz]									
30	QPSK	1	1		22.83	22.83	22.82	24.0	0.0
Channel									
Frequency [MHz]									
20	QPSK	1	1		22.56	22.57	22.51	24.0	0.0

Par270 n77 Ant7_PC3							
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)
Channel							
Frequency (MHz)							
100	PI2 BPSK	1	1	22.34	22.35	22.42	
100	PI2 BPSK	1	137	22.29	22.39	22.40	24.0
100	PI2 BPSK	1	271	22.40	22.50	22.54	
100	PI2 BPSK	135	0	22.25	22.45	22.30	24.0
100	PI2 BPSK	135	66	22.37	22.56	22.32	24.0
100	PI2 BPSK	135	138	22.29	22.36	22.25	24.0
100	PI2 BPSK	270	0	22.36	22.44	22.32	
100	QPSK	1	1	22.34	22.55	22.55	
100	QPSK	1	137	22.52	22.41	22.41	24.0
100	QPSK	1	271	22.50	22.60	22.53	
100	QPSK	135	0	22.28	22.53	22.33	24.0
100	QPSK	135	66	22.26	22.46	22.29	24.0
100	QPSK	135	138	22.19	22.28	22.14	24.0
100	QPSK	270	0	22.12	22.17	22.08	
100	16QAM	1	1	22.46	22.46	22.46	24.0
100	16QAM	1	1	21.70	21.62	21.62	23.0
100	16QAM	1	1	18.96	18.96	18.91	21.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	22.49	22.53	22.45	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.37	22.54	22.39	24.0
Channel							
Frequency (MHz)							
70	QPSK	1	1	22.54	22.62	22.57	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.48	22.71	22.53	24.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	22.44	22.68	22.59	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.50	22.58	22.55	24.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	22.55	22.64	22.64	24.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	22.58	22.68	22.51	24.0

Par270 n77 Ant7_PC2							
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)
Channel							
Frequency (MHz)							
100	PI2 BPSK	1	1	25.48	25.57	25.39	
100	PI2 BPSK	1	137	25.48	25.48	25.35	27.0
100	PI2 BPSK	1	271	25.35	25.52	25.38	
100	PI2 BPSK	135	0	24.89	25.07	25.03	26.5
100	PI2 BPSK	135	66	25.35	25.56	25.33	27.0
100	PI2 BPSK	135	138	24.75	24.84	24.83	26.5
100	PI2 BPSK	270	0	24.72	24.85	24.77	26.5
100	QPSK	1	1	25.05	25.05	25.00	
100	QPSK	1	137	25.45	25.45	25.37	27.0
100	QPSK	1	271	25.35	25.37	25.35	
100	QPSK	135	0	25.39	25.41	25.38	26.5
100	QPSK	135	66	24.72	24.84	24.78	27.0
100	QPSK	135	138	24.11	24.35	24.37	26.5
100	QPSK	270	0	24.31	24.37	24.33	26.5
100	16QAM	1	1	24.65	24.62	24.58	26.5
100	16QAM	1	1	23.07	23.28	23.06	25.0
100	16QAM	1	1	20.51	21.13	21.01	23.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	25.06	25.06	25.00	27.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	25.00	25.50	25.49	27.0
Channel							
Frequency (MHz)							
70	QPSK	1	1	25.48	25.60	25.50	27.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	25.43	25.53	25.42	27.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	25.68	25.57	25.49	27.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	25.58	25.87	25.40	27.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	25.53	25.58	25.48	27.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	25.53	25.55	25.44	27.0

Par120Q n77_Ant_7_PC3							
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)
Channel							
Frequency (MHz)							
100	PI2 BPSK	1	1	22.50	22.51	22.50	
100	PI2 BPSK	1	137	22.49	22.49	22.49	24.0
100	PI2 BPSK	1	271	22.50	22.50	22.50	0.0
100	PI2 BPSK	135	0	22.34	22.34	22.34	0.0
100	PI2 BPSK	135	66	22.29	22.29	22.29	24.0
100	PI2 BPSK	135	138	22.32	22.32	22.32	24.0
100	PI2 BPSK	270	0	22.36	22.36	22.36	24.0
100	QPSK	1	1	22.51	22.51	22.51	24.0
100	QPSK	1	137	22.41	22.41	22.41	24.0
100	QPSK	1	271	22.53	22.53	22.53	24.0
100	QPSK	135	0	22.48	22.48	22.48	24.0
100	QPSK	135	66	22.42	22.42	22.42	24.0
100	QPSK	135	138	22.51	22.51	22.51	24.0
100	QPSK	270	0	22.35	22.35	22.35	24.0
100	16QAM	1	1	22.45	22.45	22.45	24.0
100	16QAM	1	1	21.61	21.61	21.61	23.0
100	16QAM	1	1	18.43	18.43	18.43	21.0
Channel							
Frequency (MHz)							
90	QPSK	1	1	22.45	22.54	22.51	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.48	22.54	22.45	24.0
Channel							
Frequency (MHz)							
70	QPSK	1	1	22.41	22.59	22.50	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.53	22.59	22.52	24.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	22.51	22.59	22.58	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.38	22.54	22.36	24.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	22.41	22.42	22.34	24.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	22.44	22.52	22.39	24.0

Part20Q n77_Ant_7_PC2							
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)
Channel							
Frequency (MHz)							
100	PI2 BPSK	1	1	25.54	25.54	25.54	
100	PI2 BPSK	1	137	25.44	25.44	25.44	27.0
100	PI2 BPSK	1	271	25.48	25.48	25.48	0.0
100	PI2 BPSK	135	0	24.97	24.97	24.97	26.5
100	PI2 BPSK	135	66	25.31	25.31	25.31	27.0
100	PI2 BPSK	135	138	24.73	24.73	24.73	26.5
100	PI2 BPSK	270	0	24.84	24.84	24.84	26.5
100	QPSK	1	1	25.05	25.05	25.05	27.0
100	QPSK	1	137	25.50	25.50	25.50	27.0
100	QPSK	1	271	25.39	25.39	25.39	27.0
100	QPSK	135	0	25.38	25.38	25.38	26.5
100	QPSK	135	66	24.75	24.75	24.75	26.5
100	QPSK	135	138	24.15	24.15	24.15	26.5
100	QPSK	270	0	24.35	24.35	24.35	26.5
100	16QAM	1	1	24.68	24.68	24.68	26.5
100	16QAM	1	1	23.17	23.17	23.17	25.0
100	16QAM	1	1	21.01	21.01	21.01	23.0
Channel							
Frequency (MHz)							
90	QPSK	1	1	25.64	25.63	25.47	27.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	25.80	25.41	25.37	27.0
Channel							
Frequency (MHz)							
70	QPSK	1	1	25.95	25.55	25.33	27.0
Channel							
Frequency (MHz)							
60	QPSK	1	1	25.93	25.53	25.30	27.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	25.91	25.48	25.30	27.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	24.91	24.88	24.85	27.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	24.90	24.87	24.84	27.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	24.88	24.85	24.82	27.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	24.85	24.83	24.80	27.0

Part27O n78 Ant7_PC3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Middle Ch. (Freq.)	Power High Ch. (Freq.)	Time-up time (dBm)	MPN (dB)	
Channel									
Frequency (MHz)									
100	PV2 BPSK	1	1	22.05	22.05	22.05			
100	PV2 BPSK	1	157	22.09	22.09	22.09	24.0	0.0	
100	PV2 BPSK	1	251	22.01	22.01	22.01			
100	PV2 BPSK	155	0	22.43	22.43	22.43	23.0	0.0	
100	PV2 BPSK	155	40	22.00	22.00	22.00	24.0	0.0	
100	PV2 BPSK	155	158	22.04	22.04	22.04			
100	PV2 BPSK	270	0	22.16	22.16	22.16	23.0	0.0	
100	QPSK	1	1	22.02	22.02	22.02			
100	QPSK	1	157	22.05	22.05	22.05	24.0	0.0	
100	QPSK	1	251	22.07	22.07	22.07			
100	QPSK	155	0	21.74	21.74	21.74	23.0	1.0	
100	QPSK	155	40	22.02	22.02	22.02	24.0	0.0	
100	QPSK	155	158	21.08	21.08	21.08	23.0	1.0	
100	QPSK	270	0	21.05	21.05	21.05	23.0	1.0	
100	16QAM	1	1	21.07	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	18.08	18.08	18.08	19.0	4.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	22.05	22.05	22.05	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	22.05	22.09	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	22.03	22.01	22.48	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.38	22.04	22.08	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.48	22.03	22.48	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.03	22.02	22.03	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. (Freq.)	Power Middle Ch. (Freq.)	Power High Ch. (Freq.)	Time-up time (dBm)	MPN (dB)	
Channel									
Frequency (MHz)									
100	PV2 BPSK	1	1	22.01	22.01	22.01			
100	PV2 BPSK	1	157	22.08	22.08	22.08	24.0	0.0	
100	PV2 BPSK	1	251	22.07	22.07	22.07			
100	PV2 BPSK	155	0	22.48	22.48	22.48	23.0	0.0	
100	PV2 BPSK	155	40	22.01	22.01	22.01	24.0	0.0	
100	PV2 BPSK	155	158	21.87	21.87	21.87	23.0	0.0	
100	PV2 BPSK	270	0	22.14	22.14	22.14	23.0	0.0	
100	QPSK	1	1	22.07	22.07	22.07			
100	QPSK	1	157	22.01	22.01	22.01	24.0	0.0	
100	QPSK	1	251	22.47	22.47	22.47			
100	QPSK	155	0	22.03	22.03	22.03	23.0	1.0	
100	QPSK	155	40	22.08	22.08	22.08	24.0	0.0	
100	QPSK	155	158	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	21.08	21.08	21.08	23.0	1.0	
100	64QAM	1	1	20.09	20.09	20.09	21.0	2.0	
100	256QAM	1	1	18.08	18.08	18.08	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	22.48	22.40	22.01	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.42	22.08	22.01	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	22.44	22.03	22.40	24.0	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	22.05	22.00	24.0	0.0	



Reduced Power Level for 5GNR

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)				1895.5	1880	1897.5			
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	167900			
Frequency (MHz)				834	836.5	835			
20	Pl2 BPSK	1	1	22.62	22.88	22.65			
20	Pl2 BPSK	1	53	22.62	22.63	22.54	24.0	0.0	
20	Pl2 BPSK	1	104	22.46	22.60	22.41			
20	Pl2 BPSK	50	0	22.50	22.55	22.45	24.0	0.0	
20	Pl2 BPSK	50	28	22.64	22.67	22.55	24.0	0.0	
20	Pl2 BPSK	50	56	22.50	22.56	22.41			
20	Pl2 BPSK	100	0	22.45	22.54	22.60	24.0	0.0	
20	QPSK	1	1	22.63	22.75	22.67			
20	QPSK	1	53	22.42	22.62	22.44	24.0	0.0	
20	QPSK	1	104	22.47	22.60	22.59			
20	QPSK	50	0	22.49	22.58	22.41	24.0	0.0	
20	QPSK	50	28	22.62	22.65	22.63	24.0	0.0	
20	QPSK	50	56	22.50	22.57	22.43	24.0	0.0	
20	QPSK	100	0	22.43	22.62	22.42	24.0	0.0	
20	16QAM	1	1	22.59	22.61	22.52	24.0	0.0	
20	64QAM	1	1	21.73	21.91	21.72	22.5	1.5	
20	256QAM	1	1	19.64	19.69	19.52	20.5	3.5	
Channel				1683.5	1673.5	1679.5	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	166800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	22.46	22.51	22.47	24.0	0.0	
Channel				165300	167300	166300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				828.5	836.5	843.5			
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				345550	346000	350050	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 DSI2 Standalone

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000	17.8	0.0
Frequency (MHz)				1860	1880	1900		
20	Pl2 BPSK	1	1	16.15	16.23	16.16	17.8	0.0
20	Pl2 BPSK	1	53	16.26	16.28	16.23		
20	Pl2 BPSK	1	104	16.17	16.25	16.13		
20	Pl2 BPSK	50	0	16.18	16.29	16.18	17.8	0.0
20	Pl2 BPSK	50	26	16.22	16.26	16.19	17.8	0.0
20	Pl2 BPSK	50	56	16.15	16.25	16.18	17.8	0.0
20	Pl2 BPSK	100	0	16.19	16.27	16.17		
20	QPSK	1	1	16.29	16.37	16.31	17.8	0.0
20	QPSK	1	53	16.25	16.31	16.34		
20	QPSK	1	104	16.24	16.29	16.24		
20	QPSK	50	0	16.20	16.28	16.24	17.8	0.0
20	QPSK	50	26	16.22	16.31	16.24	17.8	0.0
20	QPSK	50	56	16.18	16.24	16.21	17.8	0.0
20	QPSK	100	0	16.12	16.25	16.16		
20	16QAM	1	1	16.12	16.24	16.19	17.8	0.0
20	64QAM	1	1	16.25	16.34	16.21	17.8	0.0
20	256QAM	1	1	16.11	16.23	16.17	17.8	0.0
Channel				371800	376000	380600	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				1857.5	1880	1892.5	(dB)	(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)				1865	1880	1905	(dBm)	(dB)
10	QPSK	1	1	16.21	16.31	16.22	17.8	0.0
Channel				372000	376000	381500	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				1862.5	1880	1897.5	(dB)	(dB)
5	QPSK	1	1	16.21	16.28	16.28	17.8	0.0

n5 Ant1 DSI2 Standalone

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

n66 Ant1 DSI2 Standalone

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



n2 Ant1 DS12 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				372000	376000	380000	16.5	0.0	
Frequency (MHz)				1860	1880	1900			
20	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	16.5 <td>0.0</td> <td></td>	0.0	
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	16.5 <td>0.0</td> <td></td>	0.0	
Channel				370500	376000	381500	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1862.5	1880	1907.5	16.5	0.0	
5	QPSK	1	1	15.34	15.33	15.22	16.5 <td>0.0</td> <td></td>	0.0	

n5 Ant1 DS12 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800	22.2	0.0	
Frequency (MHz)				834	836.5	839			
20	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	22.2	0.0	
20	QPSK	1	104	21.13	21.25	21.21	22.2	0.0	
20	QPSK	50	0	21.17	21.22	21.12	22.2	0.0	
20	QPSK	50	28	21.20	21.29	21.20	22.2	0.0	
20	QPSK	50	56	21.16	21.23	21.15	22.2	0.0	
20	QPSK	100	0	21.11	21.24	21.10	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	0.0	
15	QPSK	1	1	21.20	21.26	21.18	22.2	0.0	
Channel				165800	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844	22.2	0.0	
10	QPSK	1	1	21.24	21.32	21.16	22.2	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5	22.2	0.0	
5	QPSK	1	1	21.11	21.26	21.17	22.2	0.0	

n66 Ant1 DS12 Simultaneous											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				346000	349000	352000	16.2	0.0			
Frequency (MHz)				1730	1745	1760					
40	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	354000	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1720	1745	1770	16.2	0.0			
20	QPSK	1	1	14.75	14.80	14.65	16.2	0.0			
Channel				343000	349000	354500	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1717.5	1745	1772.5	16.2	0.0			
15	QPSK	1	1	14.65	14.69	14.68	16.2	0.0			
Channel				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	84.68	84.69	84.72	Turn-up time (dBm)
30	QPSK	1	1	84.47	84.82	84.47	20.6 0.0
Channel							
Frequency (MHz)	84334	85000	85086	Turn-up time (dBm)	MPN (dB)		
80	QPSK	1	1	19.93	19.36	18.42	20.6 0.0
Channel							
Frequency (MHz)	37.93	3843	3843	Turn-up time (dBm)	MPN (dB)		
70	QPSK	1	1	19.49	19.85	19.37	20.6 0.0
Channel							
Frequency (MHz)	84334	84900	84900	Turn-up time (dBm)	MPN (dB)		
80	QPSK	1	1	19.42	19.88	19.43	20.6 0.0
Channel							
Frequency (MHz)	84334	84900	84900	Turn-up time (dBm)	MPN (dB)		
80	QPSK	1	1	19.37	19.83	19.43	20.6 0.0
Channel							
Frequency (MHz)	84300	84900	84900	Turn-up time (dBm)	MPN (dB)		
80	QPSK	1	1	19.39	19.84	19.47	20.6 0.0
Channel							
Frequency (MHz)	37.12	3843	3843	Turn-up time (dBm)	MPN (dB)		
30	QPSK	1	1	19.28	19.36	19.45	20.6 0.0
Channel							
Frequency (MHz)	84334	84900	84900	Turn-up time (dBm)	MPN (dB)		
20	QPSK	1	1	19.41	19.82	19.41	20.6 0.0

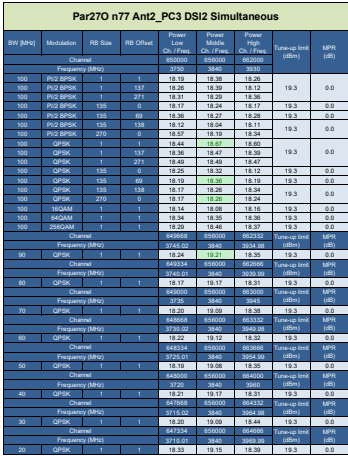
Par270 n77 Ant2_PC2 DSi2 Standalone							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Media Ch.1 Freq.	Power High Ch.1 Freq.	Time-up time (dBm)
Channel							
Frequency (MHz)							
100	PI2 BPSK	1	1	22.08	22.38	22.39	
100	PI2 BPSK	1	137	22.33	22.38	22.29	23.6 0.0
100	PI2 BPSK	1	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	22.32	23.6 0.0
Channel							
Frequency (MHz)	84334	85000	85086	Turn-up time (dBm)	MPN (dB)		
80	QPSK	1	1	22.81	22.80	22.69	23.6 0.0
Channel							
Frequency (MHz)	37.93	3843	3843	Turn-up time (dBm)	MPN (dB)		
70	QPSK	1	1	22.79	22.90	22.60	23.6 0.0
Channel							
Frequency (MHz)	84334	84900	84900	Turn-up time (dBm)	MPN (dB)		
80	QPSK	1	1	22.77	22.50	22.17	23.6 0.0
Channel							
Frequency (MHz)	84334	84900	84900	Turn-up time (dBm)	MPN (dB)		
80	QPSK	1	1	22.74	22.87	22.84	23.6 0.0
Channel							
Frequency (MHz)	84300	84900	84900	Turn-up time (dBm)	MPN (dB)		
80	QPSK	1	1	22.82	22.85	22.67	23.6 0.0
Channel							
Frequency (MHz)	37.12	3843	3843	Turn-up time (dBm)	MPN (dB)		
30	QPSK	1	1	22.87	22.84	22.73	23.6 0.0
Channel							
Frequency (MHz)	84334	84900	84900	Turn-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	19.93			
100	PI2 BPSK	1	137	19.76			20.6 0.0
100	PI2 BPSK	1	271	19.76			
100	PI2 BPSK	135	0	19.99			20.6 0.0
100	PI2 BPSK	135	66	19.86			
100	PI2 BPSK	135	138	19.74			20.6 0.0
100	PI2 BPSK	270	0	19.86			20.6 0.0
100	QPSK	1	1	20.11			
100	QPSK	1	137	19.89			20.6 0.0
100	QPSK	1	271	20.17			
100	QPSK	135	0	19.89			20.6 0.0
100	QPSK	135	66	19.82			20.6 0.0
100	QPSK	135	138	19.82			20.6 0.0
100	QPSK	270	0	19.82			20.6 0.0
100	16QAM	1	1	19.86			20.6 0.0
100	16QAM	1	1	19.71			19.6 1.0
100	256QAM	1	1	19.82			19.6 1.0
Channel							
30	QPSK	1	1	84300	84334	84368	Turn-up time (dBm)
30	QPSK	1	1	84304	84334	84368	20.6 0.0
Channel							
Frequency (MHz)	84300	84334	84368	Turn-up time (dBm)	MPN (dB)		
80	QPSK	1	1	20.17	20.16	19.99	20.6 0.0
Channel							
Frequency (MHz)	37.93	3843	3843	Turn-up time (dBm)	MPN (dB)		
70	QPSK	1	1	20.16	20.16	20.09	20.6 0.0
Channel							
Frequency (MHz)	84300	84334	84368	Turn-up time (dBm)	MPN (dB)		
80	QPSK	1	1	20.16	20.13	19.96	20.6 0.0
Channel							
Frequency (MHz)	84300	84334	84368	Turn-up time (dBm)	MPN (dB)		
80	QPSK	1	1	20.15	20.09	19.97	20.6 0.0
Channel							
Frequency (MHz)	84334	84334	84334	Turn-up time (dBm)	MPN (dB)		
80	QPSK	1	1	20.05	20.04	20.04	20.6 0.0
Channel							
Frequency (MHz)	37.93	3843	3843	Turn-up time (dBm)	MPN (dB)		
30	QPSK	1	1	20.06	20.07	19.99	20.6 0.0
Channel							
Frequency (MHz)	84300	84334	84368	Turn-up time (dBm)	MPN (dB)		
20	QPSK	1	1	20.04	20.11	19.96	20.6 0.0

Part27Q n77_Ant 2_PC2 DS12 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			
100	PI2 BPSK	1	137	23.14			23.6 0.0
100	PI2 BPSK	1	271	23.11			
100	PI2 BPSK	135	0	23.50			23.6 0.0
100	PI2 BPSK	135	66	23.26			23.6 0.0
100	PI2 BPSK	135	138	23.63			23.6 0.0
100	PI2 BPSK	270	0	23.36			23.6 0.0
100	QPSK	1	1	23.39			
100	QPSK	1	137	23.04			23.6 0.0
100	QPSK	1	271	23.04			
100	QPSK	135	0	23.52			23.6 0.0
100	QPSK	135	66	23.26			23.6 0.0
100	QPSK	135	138	23.65			23.6 0.0
100	QPSK	270	0	23.62			23.6 0.0
100	16QAM	1	1	23.79			23.6 0.0
100	16QAM	1	1	23.63			23.6 0.0
100	256QAM	1	1	23.64			23.6 0.0
Channel							
30	QPSK	1	1	83300	83334	83368	Turn-up time (dBm)
30	QPSK	1	1	83304	83334	83368	20.6 0.0
Channel							
Frequency (MHz)	83300	83334	83368	Turn-up time (dBm)	MPN (dB)		
80	QPSK	1	1	22.98	22.84	22.93	23.6 0.0
Channel							
Frequency (MHz)	37.93	3843	3843	Turn-up time (dBm)	MPN (dB)		
70	QPSK	1	1	22.96	22.74	22.92	23.6 0.0
Channel							
Frequency (MHz)	37.93	3843	3843	Turn-up time (dBm)	MPN (dB)		
70	QPSK	1	1	22.95	22.76	22.78	23.6 0.0
Channel							
Frequency (MHz)	83300	83334	83368	Turn-up time (dBm)	MPN (dB)		
80	QPSK	1	1	22.96	22.74	22.92	23.6 0.0
Channel							
Frequency (MHz)	37.93	3843	3843	Turn-up time (dBm)	MPN (dB)		
40	QPSK	1	1	22.85	22.84	22.84	23.6 0.0
Channel							
Frequency (MHz)	37.93	3843	3843	Turn-up time (dBm)	MPN (dB)		
40	QPSK	1	1	22.80	22.87	22.90	23.6 0.0
Channel							
Frequency (MHz)	37.93	3843	3843	Turn-up time (dBm)	MPN (dB)		
40	QPSK	1	1	22.58	22.66	22.68	23.6 0.0
Channel							
Frequency (MHz)	83300	83334	83368	Turn-up time (dBm)	MPN (dB)		
30	QPSK	1	1	22.89	22.75	22.93	23.6 0.0

Part270 n78 Ant2_PC3 DS12 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Max Ch. (Frac.)	Power High Ch. (Frac.)	Tuneup time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
100	PI2-BPSK	1	1		19.43				
100	PI2-BPSK	1	137		19.41		20.6	0.0	
100	PI2-BPSK	1	271		19.35				
100	PI2-BPSK	135	0		19.40		20.6	0.0	
100	PI2-BPSK	135	0		19.42		20.6	0.0	
100	PI2-BPSK	135	136		19.35		20.6	0.0	
100	PI2-BPSK	270	0		19.37				
100	QPSK	1	1		19.34		20.6	0.0	
100	QPSK	1	137		19.43		20.6	0.0	
100	QPSK	1	271		19.48				
100	QPSK	135	0		19.39		20.3	0.3	
100	QPSK	135	0		19.42		20.6	0.0	
100	QPSK	135	136		19.38		20.3	0.3	
100	QPSK	270	0		19.39		20.3	0.3	
100	16QAM	1	1		19.33		20.3	0.3	
100	16QAM	1	1		19.39		18.9	1.8	
100	16QAM	1	1		19.32		19.9	0.9	
Channel									
Frequency (MHz)									
50	QPSK	1	1		19.69	19.69	19.69	20.6	0.0
50	QPSK	1	1		19.30	19.30	19.30	20.6	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1		19.24	19.30	19.60	20.6	0.0
80	QPSK	1	1		19.04	19.09	19.39	20.6	0.0
80	QPSK	1	1		18.82	18.90	19.70	20.6	0.0
80	QPSK	1	1		18.59	18.77	19.60	20.6	0.0
70	QPSK	1	1		19.05	19.12	19.31	20.6	0.0
70	QPSK	1	1		18.82	18.90	19.70	20.6	0.0
70	QPSK	1	1		18.59	18.77	19.60	20.6	0.0
60	QPSK	1	1		18.29	18.36	19.60	20.6	0.0
60	QPSK	1	1		18.06	18.14	19.70	20.6	0.0
60	QPSK	1	1		17.82	17.90	19.70	20.6	0.0
60	QPSK	1	1		17.59	17.64	19.60	20.6	0.0
60	QPSK	1	1		17.35	17.40	19.60	20.6	0.0
60	QPSK	1	1		17.10	17.16	19.60	20.6	0.0
60	QPSK	1	1		16.86	16.94	19.60	20.6	0.0
60	QPSK	1	1		16.62	16.70	19.60	20.6	0.0
60	QPSK	1	1		16.38	16.44	19.60	20.6	0.0
60	QPSK	1	1		16.13	16.19	19.60	20.6	0.0
60	QPSK	1	1		15.89	15.94	19.60	20.6	0.0
60	QPSK	1	1		15.64	15.69	19.60	20.6	0.0
60	QPSK	1	1		15.40	15.44	19.60	20.6	0.0
60	QPSK	1	1		15.15	15.19	19.60	20.6	0.0
60	QPSK	1	1		14.91	14.94	19.60	20.6	0.0
60	QPSK	1	1		14.66	14.69	19.60	20.6	0.0
60	QPSK	1	1		14.42	14.44	19.60	20.6	0.0
60	QPSK	1	1		14.17	14.19	19.60	20.6	0.0
60	QPSK	1	1		13.93	13.94	19.60	20.6	0.0
60	QPSK	1	1		13.68	13.69	19.60	20.6	0.0
60	QPSK	1	1		13.44	13.44	19.60	20.6	0.0
60	QPSK	1	1		13.19	13.19	19.60	20.6	0.0
60	QPSK	1	1		12.94	12.94	19.60	20.6	0.0
60	QPSK	1	1		12.70	12.69	19.60	20.6	0.0
60	QPSK	1	1		12.45	12.44	19.60	20.6	0.0
60	QPSK	1	1		12.21	12.19	19.60	20.6	0.0
60	QPSK	1	1		11.96	11.94	19.60	20.6	0.0
60	QPSK	1	1		11.72	11.69	19.60	20.6	0.0
60	QPSK	1	1		11.47	11.44	19.60	20.6	0.0
60	QPSK	1	1		11.23	11.19	19.60	20.6	0.0
60	QPSK	1	1		10.98	10.94	19.60	20.6	0.0
60	QPSK	1	1		10.74	10.69	19.60	20.6	0.0
60	QPSK	1	1		10.49	10.44	19.60	20.6	0.0
60	QPSK	1	1		10.25	10.19	19.60	20.6	0.0
60	QPSK	1	1		10.00	9.94	19.60	20.6	0.0
60	QPSK	1	1		9.76	9.69	19.60	20.6	0.0
60	QPSK	1	1		9.51	9.44	19.60	20.6	0.0
60	QPSK	1	1		9.27	9.19	19.60	20.6	0.0
60	QPSK	1	1		9.02	8.94	19.60	20.6	0.0
60	QPSK	1	1		8.78	8.69	19.60	20.6	0.0
60	QPSK	1	1		8.53	8.44	19.60	20.6	0.0
60	QPSK	1	1		8.29	8.19	19.60	20.6	0.0
60	QPSK	1	1		8.04	7.94	19.60	20.6	0.0
60	QPSK	1	1		7.80	7.69	19.60	20.6	0.0
60	QPSK	1	1		7.55	7.44	19.60	20.6	0.0
60	QPSK	1	1		7.31	7.19	19.60	20.6	0.0
60	QPSK	1	1		7.06	6.94	19.60	20.6	0.0
60	QPSK	1	1		6.82	6.69	19.60	20.6	0.0
60	QPSK	1	1		6.57	6.44	19.60	20.6	0.0
60	QPSK	1	1		6.33	6.19	19.60	20.6	0.0
60	QPSK	1	1		6.08	5.94	19.60	20.6	0.0
60	QPSK	1	1		5.84	5.69	19.60	20.6	0.0
60	QPSK	1	1		5.59	5.44	19.60	20.6	0.0
60	QPSK	1	1		5.35	5.19	19.60	20.6	0.0
60	QPSK	1	1		5.10	4.94	19.60	20.6	0.0
60	QPSK	1	1		4.86	4.69	19.60	20.6	0.0
60	QPSK	1	1		4.61	4.44	19.60	20.6	0.0
60	QPSK	1	1		4.37	4.19	19.60	20.6	0.0
60	QPSK	1	1		4.12	3.94	19.60	20.6	0.0
60	QPSK	1	1		3.88	3.69	19.60	20.6	0.0
60	QPSK	1	1		3.63	3.44	19.60	20.6	0.0
60	QPSK	1	1		3.39	3.19	19.60	20.6	0.0
60	QPSK	1	1		3.14	2.94	19.60	20.6	0.0
60	QPSK	1	1		2.90	2.69	19.60	20.6	0.0
60	QPSK	1	1		2.65	2.44	19.60	20.6	0.0
60	QPSK	1	1		2.41	2.19	19.60	20.6	0.0
60	QPSK	1	1		2.16	1.94	19.60	20.6	0.0
60	QPSK	1	1		1.92	1.69	19.60	20.6	0.0
60	QPSK	1	1		1.67	1.44	19.60	20.6	0.0
60	QPSK	1	1		1.43	1.19	19.60	20.6	0.0
60	QPSK	1	1		1.18	0.94	19.60	20.6	0.0
60	QPSK	1	1		0.94	0.69	19.60	20.6	0.0
60	QPSK	1	1		0.69	0.44	19.60	20.6	0.0
60	QPSK	1	1		0.45	0.19	19.60	20.6	0.0
60	QPSK	1	1		0.20	-0.06	19.60	20.6	0.0
60	QPSK	1	1		-0.05	-0.31	19.60	20.6	0.0
60	QPSK	1	1		-0.30	-0.56	19.60	20.6	0.0
60	QPSK	1	1		-0.55	-0.81	19.60	20.6	0.0
60	QPSK	1	1		-0.80	-1.06	19.60	20.6	0.0
60	QPSK	1	1		-1.05	-1.31	19.60	20.6	0.0
60	QPSK	1	1		-1.30	-1.56	19.60	20.6	0.0
60	QPSK	1	1		-1.55	-1.81	19.60	20.6	0.0
60	QPSK	1	1		-1.80	-2.06	19.60	20.6	0.0
60	QPSK	1	1		-2.05	-2.31	19.60	20.6	0.0
60	QPSK	1	1		-2.30	-2.56	19.60	20.6	0.0
60	QPSK	1	1		-2.55	-2.81	19.60	20.6	0.0
60	QPSK	1	1		-2.80	-3.06	19.60	20.6	0.0
60	QPSK	1	1		-3.05	-3.31	19.60	20.6	0.0
60	QPSK	1	1		-3.30	-3.56	19.60	20.6	0.0
60	QPSK	1	1		-3.55	-3.81	19.60	20.6	0.0
60	QPSK	1	1		-3.80	-4.06	19.60	20.6	0.0
60	QPSK	1	1		-4.05	-4.31	19.60	20.6	0.0
60	QPSK	1	1		-4.30	-4.56	19.60	20.6	0.0
60	QPSK	1	1		-4.55	-4.81	19.60	20.6	0.0
60	QPSK	1	1		-4.80	-5.06	19.60	20.6	0.0
60	QPSK	1	1		-5.05	-5.31	19.60	20.6	0.0
60	QPSK	1	1		-5.30	-5.56	19.60	20.6	0.0
60	QPSK	1	1		-5.55	-5.81	19.60	20.6	0.0
60	QPSK	1	1		-5.80	-6.06	19.60	20.6	0.0
60	QPSK	1	1		-6.05	-6.31	19.60	20.6	0.0
60	QPSK	1	1		-6.30	-6.56	19.60	20.6	0.0
60	QPSK	1	1		-6.55	-6.81	19.60	20.6	0.0
60	QPSK	1	1		-6.80	-7.06	19.60	20.6	0.0
60	QPSK	1	1		-7.05	-7.31	19.60	20.6	0.0
60	QPSK	1	1		-7.30	-7.56	19.60	20.6	0.0
60	QPSK	1	1		-7.55	-7.81	19.60	20.6	0.0
60	QPSK	1	1		-7.80	-8.06	19.60	20.6	0.0
60	QPSK	1	1		-8.05	-8.31	19.60	20.6	0.0
60	QPSK	1	1		-8.30	-8.56	19.60	20.6	0.0
60	QPSK	1	1		-8.55	-8.81	19.60	20.6	0.0
60	QPSK	1	1		-8.80	-9.06	19.60	20.6	0.0
60	QPSK	1	1		-9.05	-9.31	19.60	20.6	0.0
60	QPSK	1	1		-9.30	-9.56	19.60	20.6	0.0
60	QPSK	1	1		-9.55	-9.81	19.60	20.6	0.0
60	QPSK	1	1		-9.80	-10.06	19.60	20.6	0.0
60	QPSK	1	1		-10.05	-10.31	19.60	20.6	0.0
60	QPSK	1	1		-10.30	-10.56	19.60	20.6	0.0
60	QPSK	1	1		-10.55	-10.81	19.60	20.6	0.0
60	QPSK	1	1		-10.80	-11.06	19.60	20.6	0.0
60	QPSK	1	1		-11.05	-11.31	19.60	20.6	0.0
60	QPSK	1	1		-11.30	-11.56	19.60	20.6	0.0
60	QPSK	1	1		-11.55	-11.81	19.60	20.6	0.0
60	QPSK	1	1		-11.80	-12.06	19.60	20.6	0.0
60	QPSK	1	1		-12.05	-12.31	19.60	20.6	0.0
60	QPSK	1	1		-12.30	-12.56	19.60	20.6	0.0
60	QPSK	1	1		-12.55	-12.81	19.60	20.6	0.0
60	QPSK	1	1		-12.80				

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		19.50				
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		19.9	0.9	
Channel									
Frequency (MHz)									
50	QPSK	1	1		19.51	19.55	19.55	20.6	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1		19.61	19.55	19.49	20.6	0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1		19.58	19.56	19.65	20.6	0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1		19.52	19.48	19.42	20.6	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1		19.50	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	19.67	20.6	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1		19.47	19.55	19.58	20.6	0.0



Pa270 n77 Ant2_PC2 DS12 Simultaneous									
Ref (MHz)	Modulation	Ref Size	Ref Offset	Low Frequency Start (MHz)	Low Frequency End (MHz)	High Frequency Start (MHz)	High Frequency End (MHz)	Time step size (days)	MPX (dB)
Channel									
100	PSK BPSK	1	0	20.88	21.17	20.84			
100	PSK BPSK	1	149	20.88	21.17	20.77	22.3	0.0	
100	PSK BPSK	1	241	20.88	21.17	20.67	22.3	0.0	
100	PSK BPSK	135	0	20.82	21.12	20.83	22.3	0.0	
100	PSK BPSK	135	136	20.87	21.11	20.82	22.3	0.0	
100	QPSK	259	0	21.07	21.12	20.87			
100	QPSK	259	137	21.02	21.12	20.87	22.3	0.0	
100	QPSK	1	149	20.84	21.08	20.71	22.3	0.0	
100	QPSK	1	241	20.84	21.08	20.61	22.3	0.0	
100	QPSK	135	0	21.01	21.08	20.78	22.3	0.0	
100	QPSK	135	136	20.97	21.07	20.68	22.3	0.0	
100	QPSK	259	0	20.87	20.97	20.68	22.3	0.0	
100	QPSK	259	137	20.94	20.98	20.59	22.3	0.0	
100	SASQAM	1	0	20.84	21.08	20.71	22.3	0.0	
100	SASQAM	1	149	20.84	21.08	20.58	22.3	0.0	
Channel									
95	QPSK	1	0	94.9688	95.0006	94.9132			MPX
95	QPSK	1	138	94.98	95.015	94.94	95.03		MPX
95	QPSK	1	241	94.9434	95.0006	94.8986	95.03		MPX
95	QPSK	1	354	94.9434	95.0006	94.8986	95.03		MPX
80	QPSK	1	0	20.80	22.20	20.30	22.3	0.0	
80	QPSK	1	137	20.85	22.25	20.34	22.3	0.0	
70	QPSK	1	0	17.49	22.01	17.31	22.3	0.0	
70	QPSK	1	137	17.54	22.01	17.31	22.3	0.0	
60	QPSK	1	0	22.01	22.27	21.99	22.3	0.0	
60	QPSK	1	137	22.03	22.27	21.97	22.3	0.0	
50	QPSK	1	0	21.93	22.13	21.88	22.3	0.0	
40	QPSK	1	0	21.88	22.10	21.81	22.3	0.0	
30	QPSK	1	0	21.82	22.03	21.75	22.3	0.0	
20	QPSK	1	0	21.74	21.94	21.68	22.3	0.0	
20	QPSK	1	137	21.79	21.94	21.67	22.3	0.0	

Part270 n77_Ant 2_PC3 DS12 Simultaneous										
EW (MHz)	Modulation	RIS Size	RIS Out	Ch	Low F. Type	Low F. Rate	Mid F. Rate	High F. Type	Time step (dBm)	MPR (dB)
Channel										
100	FSK BPSK	1	1	1	FSK	100000	833333			
100	FSK BPSK	1	1	137		18.30			19.3	0.0
100	FSK BPSK	1	1	270		18.24			19.3	0.0
100	FSK BPSK	135	0	1		18.24				
100	FSK BPSK	135	0	1		18.24			19.3	0.0
100	FSK BPSK	135	0	1		18.24				
100	QPSK	270	0	1		18.16			19.3	0.0
100	QPSK	270	0	1		18.16				
100	QPSK	1	1	137		18.47			19.3	0.0
100	QPSK	270	0	1		18.16				
100	QPSK	135	0	1		18.32				
100	QPSK	270	0	1		18.20			19.3	0.0
100	QPSK	270	0	1		18.24			19.3	0.0
100	16QAM	1	1	1		18.33			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0
100	16QAM	1	1	1		18.30				
100	16QAM	1	1	1		18.30			20.3	0.0

Part27Q n77_Ant 2_PC2 DS12 Simultaneous									
EN (dBm)	Modulation	RF Size	RF Offset	Power Low Chin	Power High Chin	Power High Chin	Time up rate (dB)	MPK (dB)	
Channel									
100	QPSK	1	1	21.37	21.37				
100	PCF BPSK	1	1337	21.36	21.36	22.3	0.0		
100	QPSK	1	221	21.37	21.37				
100	PCF BPSK	1335	0	21.32	21.32	22.3	0.0		
100	QPSK	1335	0	21.36	21.36	22.3	0.0		
100	PCF BPSK	1335	1336	21.36	21.36	22.3	0.0		
100	QPSK	220	0	21.40	21.40	22.3	0.0		
100	QPSK	1	1337	21.36	21.36	22.3	0.0		
100	QPSK	1	221	21.37	21.37				
100	QPSK	1335	0	21.36	21.36	22.3	0.0		
100	QPSK	1335	1336	21.36	21.36	22.3	0.0		
100	QPSK	220	0	21.36	21.36	22.3	0.0		
100	QPSK	1	1337	21.36	21.36	22.3	0.0		
100	QPSK	1	221	21.37	21.37				
100	QPSK	1335	0	21.36	21.36	22.3	0.0		
100	QPSK	1335	1336	21.36	21.36	22.3	0.0		
100	QPSK	220	0	21.36	21.36	22.3	0.0		
100	QPSK	1	1337	21.36	21.36	22.3	0.0		
100	QPSK	1	221	21.37	21.37				
100	QPSK	1335	0	21.36	21.36	22.3	0.0		
100	QPSK	1335	1336	21.36	21.36	22.3	0.0		
100	QPSK	220	0	21.36	21.36	22.3	0.0		
100	QPSK	1	1337	21.36	21.36	22.3	0.0		
100	QPSK	1	221	21.37	21.37				
100	QPSK	1335	0	21.36	21.36	22.3	0.0		
100	QPSK	1335	1336	21.36	21.36	22.3	0.0		
100	QPSK	220	0	21.36	21.36	22.3	0.0		
100	QPSK	1	1337	21.36	21.36	22.3	0.0		
100	QPSK	1	221	21.37	21.37				
100	QPSK	1335	0	21.36	21.36	22.3	0.0		
100	QPSK	1335	1336	21.36	21.36	22.3	0.0		
100	QPSK	220	0	21.36	21.36	22.3	0.0		
100	QPSK	1	1337	21.36	21.36	22.3	0.0		
100	QPSK	1	221	21.37	21.37				
100	QPSK	1335	0	21.36	21.36	22.3	0.0		
100	QPSK	1335	1336	21.36	21.36	22.3	0.0		
100	QPSK	220	0	21.36	21.36	22.3	0.0		
100	QPSK	1	1337	21.36	21.36	22.3	0.0		
100	QPSK	1	221	21.37	21.37				
100	QPSK	1335	0	21.36	21.36	22.3	0.0		
100	QPSK	1335	1336	21.36	21.36	22.3	0.0		
100	QPSK	220	0	21.36	21.36	22.3	0.0		
100	QPSK	1	1337	21.36	21.36	22.3	0.0		
100	QPSK	1	221	21.37	21.37				
100	QPSK	1335	0	21.36	21.36	22.3	0.0		
100	QPSK	1335	1336	21.36	21.36	22.3	0.0		
100	QPSK	220	0	21.36	21.36	22.3	0.0		
100	QPSK	1	1337	21.36	21.36	22.3	0.0		
100	QPSK	1	221	21.37	21.37				
100	QPSK	1335	0	21.36	21.36	22.3	0.0		
100	QPSK	1335	1336	21.36	21.36	22.3	0.0		
100	QPSK	220	0	21.36	21.36	22.3	0.0		
100	QPSK	1	1337	21.36	21.36	22.3	0.0		
100	QPSK	1	221	21.37	21.37				
100	QPSK	1335	0	21.36	21.36	22.3	0.0		
100	QPSK	1335	1336	21.36	21.36	22.3	0.0		
100	QPSK	220	0	21.36	21.36	22.3	0.0		
100	QPSK	1	1337	21.36	21.36	22.3	0.0		
100	QPSK	1	221	21.37	21.37				
100	QPSK	1335	0	21.36	21.36	22.3	0.0		
100	QPSK	1335	1336	21.36	21.36	22.3	0.0		
100	QPSK	220	0	21.36	21.36	22.3	0.0		
100	QPSK	1	1337	21.36	21.36	22.3	0.0		
100	QPSK	1	221	21.37	21.37				
100	QPSK	1335	0	21.36	21.36	22.3	0.0		
100	QPSK	1335	1336	21.36	21.36	22.3	0.0		
100	QPSK	220	0	21.36	21.36	22.3	0.0		
100	QPSK	1	1337	21.36	21.36	22.3	0.0		
100	QPSK	1	221	21.37	21.37				
100	QPSK	1335	0	21.36	21.36	22.3	0.0		
100	QPSK	1335	1336	21.36	21.36	22.3	0.0		
100	QPSK	220	0	21.36	21.36	22.3	0.0		
100	QPSK	1	1337	21.36	21.36	22.3	0.0		
100	QPSK	1	221	21.37	21.37				
100	QPSK	1335	0	21.36	21.36	22.3	0.0		
100	QPSK	1335	1336	21.36	21.36	22.3	0.0		
100	QPSK	220	0	21.36	21.36	22.3	0.0		
100	QPSK	1	1337	21.36	21.36	22.3	0.0		
100	QPSK	1	221	21.37	21.37				
100	QPSK	1335	0	21.36	21.36	22.3	0.0		
100	QPSK	1335	1336	21.36	21.36	22.3	0.0		
100	QPSK	220	0	21.36	21.36	22.3	0.0		
100	QPSK	1	1337	21.36	21.36	22.3	0.0		
100	QPSK	1	221	21.37	21.37				
100	QPSK	1335	0	21.36	21.36	22.3	0.0		
100	QPSK	1335	1336	21.36	21.36	22.3	0.0		
100	QPSK	220	0	21.36	21.36	22.3	0.0		
100	QPSK	1	1337	21.36	21.36	22.3	0.0		
100	QPSK	1	221	21.37	21.37				
100	QPSK	1335	0	21.36	21.36	22.3	0.0		
100	QPSK	1335	1336	21.36	21.36	22.3	0.0		
100	QPSK	220	0	21.36	21.36	22.3	0.0		
100	QPSK	1	1337	21.36	21.36	22.3	0.0		
100	QPSK	1	221	21.37	21.37				
100	QPSK	1335	0	21.36	21.36	22.3	0.0		
100	QPSK	1335	1336	21.36	21.36	22.3	0.0		
100	QPSK	220	0	21.36	21.36	22.3	0.0		
100	QPSK	1	1337	21.36	21.36	22.3	0.0		
100	QPSK	1	221	21.37	21.37				
100	QPSK	1335	0	21.36	21.36	22.3	0.0		
100	QPSK	1335	1336	21.36	21.36	22.3	0.0		
100	QPSK	220	0	21.36	21.36	22.3	0.0		
100	QPSK	1	1337	21.36	21.36	22.3	0.0		
100	QPSK	1	221	21.37	21.37				
100	QPSK	1335	0	21.36	21.36	22.3	0.0		
100	QPSK	1335	1336	21.36	21.36	22.3	0.0		
100	QPSK	220	0	21.36	21.36	22.3	0.0		
100	QPSK	1	1337	21.36	21.36	22.3	0.0		
100	QPSK	1	221	21.37	21.37				
100	QPSK	1335	0	21.36	21.36	22.3	0.0		
100	QPSK	1335	1336	21.36	21.36	22.3	0.0		
100	QPSK	220	0	21.36	21.36	22.3	0.0		
100	QPSK	1	1337	21.36	21.36	22.3	0.0		
100	QPSK	1	221	21.37	21.37				
100	QPSK	1335	0	21.36	21.36	22.3	0.0		
100	QPSK	1335	1336	21.36	21.36	22.3	0.0		
100	QPSK	220	0	21.36	21.36	22.3	0.0		
100	QPSK	1	1337	21.36	21.36	22.3	0.0		
100	QPSK	1	221	21.37	21.37				
100	QPSK	1335	0	21.36	21.36	22.3	0.0		
100	QPSK	1335	1336	21.36	21.36	22.3	0.0		
100	QPSK	220	0	21.36	21.36	22.3	0.0		
100	QPSK	1	1337	21.36	21.36	22.3	0.0		
100	QPSK	1	221	21.37	21.37				
100	QPSK	1335	0	21.36	21.36	22.3	0.0		
100	QPSK	1335	1336	21.36	21.36	22.3	0.0		
100	QPSK	220	0	21.36	21.36	22.3	0.0		
100	QPSK	1	1337	21.36	21.36	22.3	0.0		
100	QPSK	1	221	21.37	21.37				
100	QPSK	1335	0	21.36	21.36	22.3	0.0		
100	QPSK	1335	1336	21.36	21.36	22.3	0.0		
100	QPSK	220	0	21.36	21.36	22.3	0.0		
100	QPSK	1	1337	21.36	21.36	22.3	0.0		
100	QPSK	1	221	21.37	21.37				
100	QPSK	1335	0	21.36	21.36	22.3	0.0		
100	QPSK	1335	1336	21.36	21.36	22.3	0.0		
100	QPSK	220	0	21.36	21.36	22.3	0.0		
100	QPSK	1	1337	21.36	21.36	22.3	0.0		
100	QPSK	1	221	21.37	21.37				
100	QPSK	1335	0	21.36	21.36	22.3	0.0		
100	QPSK	1335	1336	21.36	21.36	22.3	0.0		
100	QPSK	220	0	21.36	21.36	22.3	0.0		
100	QPSK	1	1337	21.36	21.36	22.3	0.0		
100	QPSK	1	221	21.37	21.37				
100	QPSK	1335	0	21.36	21.36	22.3	0.0		
100	QPSK	1335	1336	21.36	21.36	22.3	0.0		
100	QPSK	220	0	21.36	21.36	22.3	0.0		
100	QPSK	1	1337	21.36	21.36	22.3	0.0		
100	QPSK	1	221	21.37	21.37				
100	QPSK	1335	0	21.36	21.36	22.3	0.0		
100	QPSK	1335	1336	21.36	21.36	22.3	0.0		
100	QPSK	220	0	21.36	21.36	22.3	0.0		
100	QPSK	1	1337	21.36	21.36	22.3	0.0		
100	QPSK	1	221	21.37	21.37				
100	QPSK	1335	0	21.36	21.36	22.3	0.0		
100	QPSK	1335	1336	21.36	21.36	22.3	0.0		
100	QPSK	220	0	21.36	21.36	22.3	0.0		
100	QPSK	1	1337	21.36	21.36	22.3	0.0		
100	QPSK	1	221	21.37	21.37				
100	QPSK	1335	0	21.36	21.36	22.3	0.0		
100	QPSK	1335	1336	21.36	21.36	22.3	0.0		
100	QPSK	220	0	21.36	21.36	22.3	0.0		
100	QPSK	1	1337	21.36	21.36	22.3	0.0		
100	QPSK	1	221	21.37	21.37				
100	QPSK	1335	0	21.36	21.				

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

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



Par270 n77 Ant7_PC3 DS12 Standalone&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	22.54	22.55	22.42		
100	PI2 BPSK	1	137	22.29	22.39	22.40	24.0	0.0
100	PI2 BPSK	1	271	22.40	22.50	22.54		
100	PI2 BPSK	135	0	22.25	22.45	22.20	24.0	0.0
100	PI2 BPSK	135	66	22.37	22.56	22.32	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	22.32		
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	22.54	22.29	24.0	0.0
Channel								
Frequency [MHz]								
70	QPSK	1	1	22.54	22.62	22.57	24.0	0.0
Channel								
Frequency [MHz]								
80	QPSK	1	1	22.48	22.71	22.53	24.0	0.0
Channel								
Frequency [MHz]								
80	QPSK	1	1	22.44	22.68	22.59	24.0	0.0
Channel								
Frequency [MHz]								
80	QPSK	1	1	22.50	22.58	22.50	24.0	0.0
Channel								
Frequency [MHz]								
30	QPSK	1	1	22.55	22.56	22.48	24.0	0.0
Channel								
Frequency [MHz]								
20	QPSK	1	1	22.58	22.68	22.51	24.0	0.0

Par270 n77 Ant7_PC2 DS12 Standalone&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	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	25.35	25.39	25.32	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	25.32	25.37	27.0	0.0
100	QPSK	1	1	25.65	25.65	25.49		
100	QPSK	1	137	25.45	25.45	25.37	27.0	0.0
100	QPSK	1	271	25.25	25.37	25.35		
100	QPSK	135	0	25.39	25.41	25.38	27.0	0.0
100	QPSK	135	66	25.42	25.46	25.39	27.0	0.0
100	QPSK	135	138	25.15	25.14	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	21.11	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

Par270 n77 Ant7_PC3 DS12 Standalone&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	22.54	22.55	22.42		
100	PI2 BPSK	1	137	22.49	22.49	22.40	24.0	0.0
100	PI2 BPSK	1	271	22.54	22.54	22.54		
100	PI2 BPSK	135	0	22.25	22.45	22.20	24.0	0.0
100	PI2 BPSK	135	66	22.37	22.56	22.32	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	22.32		
100	QPSK	1	1	22.54	22.55	22.50		
100	QPSK	1	137	22.41	22.41	22.40	24.0	0.0
100	QPSK	1	271	22.53	22.63	22.53		
100	QPSK	135	0	22.41	22.41	22.41	24.0	0.0
100	QPSK	135	66	22.42	22.42	22.42	24.0	0.0
100	QPSK	135	138	22.25	22.25	22.25	24.0	0.0
100	QPSK	270	0	22.25	22.25	22.25	24.0	0.0
100	16QAM	1	1	22.46	22.46	22.46	24.0	0.0
100	16QAM	1	1	21.61	21.61	21.61	23.0	1.0
100	256QAM	1	1	18.43	18.43	18.43	21.0	3.0
Channel								
Frequency [MHz]								
90	QPSK	1	1	22.49	22.54	22.51	24.0	0.0
Channel								
Frequency [MHz]								
80	QPSK	1	1	22.48	22.54	22.45	24.0	0.0
Channel								
Frequency [MHz]								
70	QPSK	1	1	22.41	22.59	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

Par270 n77 Ant7_PC2 DS12 Standalone&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		25.58			
100	PI2 BPSK	1	137		25.44		27.0	0.0
100	PI2 BPSK	1	271		25.48			
100	PI2 BPSK	135	0		24.97		26.0	0.0
100	PI2 BPSK	135	66		25.31		27.0	0.0
100	PI2 BPSK	135	138		24.73		26.0	0.0
100	PI2 BPSK	270	0		24.84		26.0	0.0
100	QPSK	1	1		25.65			
100	QPSK	1	137		25.50		27.0	0.0
100	QPSK	1	271		25.28			
100	QPSK	135	0		25.08		26.0	0.0
100	QPSK	135	66		24.96		27.0	0.0
100	QPSK	135	138		24.65		26.0	0.0
100	QPSK	270	0		24.76		26.0	0.0
100	16QAM	1	1		24.68			
100	16QAM	1	137		24.57		26.0	0.0
100	16QAM	1	271		24.61		25.5	0.0
100	256QAM	1	1	63.000	21.001	22.0	4.0	0.0
50	Frequency [MHz]			63.000	20.94	21.41	26.7	0.0
50	Channel			63.000	63.034	63.000		
50	QPSK	1	1	25.58	25.41	25.47	27.0	0.0
50	QPSK	1	137	25.44	25.41	25.37	27.0	0.0
50	QPSK	1	271	25.48	25.41	25.37	27.0	0.0
50	QPSK	135	0	24.97	24.94	24.90	26.0	0.0
50	QPSK	135	66	25.31	25.28	25.24	27.0	0.0
50	QPSK	135	138	24.73	24.69	24.65	26.0	0.0
50	QPSK	270	0	24.84	24.81	24.77	26.0	0.0
50	Frequency [MHz]			63.000	63.034	63.000		
50	Channel			63.000	63.034	63.000		
50	QPSK	1	1	25.58	25.48	25.38	27.0	0.0
50	QPSK	1	137	25.44	25.34	25.24	27.0	0.0
50	QPSK	1	271	25.48	25.38	25.28	27.0	0.0
50	QPSK	135	0	24.97	24.87	24.77	26.0	0.0
50	QPSK	135	66	25.31	25.21	25.11	27.0	0.0
50	QPSK	135	138	24.73	24.63	24.53	26.0	0.0
50	QPSK	270	0	24.84	24.74	24.64	26.0	0.0
50	Frequency [MHz]			63.000	63.034	63.000		
50	Channel			63.000	63.034	63.000		
50	QPSK	1	1	25.58	25.48	25.38	27.0	0.0
50	QPSK	1	137	25.44	25.34	25.24	27.0	0.0
50	QPSK	1	271	25.48	25.38	25.28	27.0	0.0
50	QPSK	135	0	24.97	24.87	24.77	26.0	0.0
50	QPSK	135	66	25.31	25.21	25.11	27.0	0.0
50	QPSK	135	138	24.73	24.63	24.53	26.0	0.0
50	QPSK	270	0	24.84	24.74	24.64	26.0	0.0
25	Frequency [MHz]			63.000	63.034	63.000		
25	Channel			63.000	63.034	63.000		
25	QPSK	1	1	25.58	25.48	25.38	27.0	0.0
25	QPSK	1	137	25.44	25.34	25.24	27.0	0.0
25	QPSK	1	271	25.48	25.38	25.28	27.0	0.0
25	QPSK	135	0	24.97	24.87	24.77	26.0	0.0
25	QPSK	135	66	25.31	25.21	25.11	27.0	0.0
25	QPSK	135	138	24.73	24.63	24.53	26.0	0.0
25	QPSK	270	0	24.84	24.74	24.64	26.0	0.0

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				850000	850000	850000			
Frequency (MHz)				3170	3170	3170			
100	PI-C BPSK	1	1		22.85				
100	PI-C BPSK	1	137		22.39		24.0	0.0	
100	PI-C BPSK	1	271		22.81				
100	PI-C BPSK	135	0		22.43		23.5	0.5	
100	PI-C BPSK	135	86		22.60		23.5	0.5	
100	PI-C BPSK	135	138		22.04		23.5	0.5	
100	PI-C BPSK	270	0		22.18				
100	QPSK	1	1		22.75				
100	QPSK	1	137		22.85		24.0	0.0	
100	QPSK	1	271		22.47				
100	QPSK	135	0		22.74		23.0	1.0	
100	QPSK	135	86		22.66		23.0	1.0	
100	QPSK	135	138		21.58		23.0	1.0	
100	QPSK	270	0		21.60				
100	16QAM	1	1		21.87		23.0	1.0	
100	16QAM	1	1		20.38		21.5	2.5	
100	16QAM	1	1		18.26		18.5	4.5	
Channel				849856	850000	850256	Time-up time (dB)	MPR	
Frequency (MHz)				849856	850000	850256			
80	QPSK	1	1		22.35	22.71	22.01	24.0	0.0
Channel				849334	850000	850666	Time-up time (dB)	MPR	
Frequency (MHz)				849334	850000	850666			
80	QPSK	1	1		22.47	22.87	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				848480	850000	852000	Time-up time (dB)	MPR	
Frequency (MHz)				848480	850000	852000			
80	QPSK	1	1		22.35	22.61	22.00	24.0	0.0
Channel				848034	850000	851966	Time-up time (dB)	MPR	
Frequency (MHz)				848034	850000	851966			
80	QPSK	1	1		22.36	22.64	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	22.68	22.40	24.0	0.0
Channel				847110	850000	851110	Time-up time (dB)	MPR	
Frequency (MHz)				847110	850000	851110			
90	QPSK	1	1		22.07	22.50	22.00	24.0	0.0
Channel				846534	850000	850966	Time-up time (dB)	MPR	
Frequency (MHz)				846534	850000	850966			
80	QPSK	1	1		22.49	22.66	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	0.5	
100	PI-C BPSK	135	86		22.47		23.5	0.5	
100	PI-C BPSK	135	138		21.87		23.5	0.5	
100	PI-C BPSK	270	0		22.14				
100	QPSK	1	1		22.85				
100	QPSK	1	137		22.51		24.0	0.0	
100	QPSK	1	271		22.47				
100	QPSK	135	0		22.83		23.0	1.0	
100	QPSK	135	86		22.80		23.0	1.0	
100	QPSK	135	138		21.50		23.0	1.0	
100	QPSK	270	0		21.50				
100	16QAM	1	1		21.80		23.0	1.0	
100	16QAM	1	1		20.23		21.5	2.5	
100	16QAM	1	1		18.00		18.5	4.5	
Channel				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	834668	Time-up time (dB)	MPR	
Frequency (MHz)				832000	833334	834668			
80	QPSK	1	1		22.46	22.65	22.01	24.0	0.0
Channel				831510	833334	835354	Time-up time (dB)	MPR	
Frequency (MHz)				831510	833334	835354			
70	QPSK	1	1		22.42	22.60	22.01	24.0	0.0
Channel				831134	833334	835566	Time-up time (dB)	MPR	
Frequency (MHz)				831134	833334	835566			
80	QPSK	1	1		22.44	22.63	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	22.64	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	22.65	22.40	24.0	0.0
Channel				831110	833334	835510	Time-up time (dB)	MPR	
Frequency (MHz)				831110	833334	835510			
90	QPSK	1	1		22.44	22.64	22.07	24.0	0.0
Channel				830534	833334	836534	Time-up time (dB)	MPR	
Frequency (MHz)				830534	833334	836534			
80	QPSK	1	1		22.54	22.65	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	64QAM	1	1	18.21	18.63	18.56	19.7	0.0	
20	256QAM	1	1	18.47	18.66	18.54	19.7	0.0	
Channel				371600	376000	380600	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1867.5	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	376000	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)				834	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	64QAM	1	1	21.73	21.91	21.72	22.5	1.5	
20	256QAM	1	1	19.04	19.69	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	64QAM	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				346000	349000	350000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1730	1745	1770	(dBm)	(dB)	
20	QPSK	1	1	18.44	18.54	18.50	19.6	0.0	
Channel				345000	349000	349000	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	350000	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	1860	1900			
20	Pi/2 BPSK	1	1	14.40	14.43	14.43			
20	Pi/2 BPSK	1	53	14.35	14.45	14.36	15.7	0.0	
20	Pi/2 BPSK	1	104	14.39	14.41	14.39			
20	Pi/2 BPSK	50	0	14.27	14.39	14.34	15.7	0.0	
20	Pi/2 BPSK	50	26	14.38	14.38	14.31	15.7	0.0	
20	Pi/2 BPSK	50	56	14.28	14.42	14.37			
20	Pi/2 BPSK	100	0	14.28	14.40	14.35	15.7	0.0	
20	QPSK	1	1	14.49	14.62	14.56			
20	QPSK	1	53	14.32	14.43	14.33	15.7	0.0	
20	QPSK	1	104	14.33	14.39	14.33			
20	QPSK	50	0	14.29	14.38	14.36	15.7	0.0	
20	QPSK	50	26	14.36	14.43	14.28	15.7	0.0	
20	QPSK	50	56	14.25	14.37	14.26			
20	QPSK	100	0	14.34	14.41	14.28			
20	16QAM	1	1	14.48	14.57	14.44	15.7	0.0	
20	16QAM	1	1	14.49	14.56	14.46	15.7	0.0	
20	256QAM	1	1	14.38	14.47	14.45	15.7	0.0	
Channel				371600	376000	380600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1860	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	1860	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	1860	1907.5	(dBm)		
5	QPSK	1	1	14.36	14.54	14.44	15.7	0.0	

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

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



n2 Ant1 DSI3 standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000			
Frequency (MHz)				1860	1860	1860			
20	Pi2 BPSK	1	1	19.36	19.53	19.42			
20	Pi2 BPSK	1	53	19.17	19.46	19.29	20.5	0.0	
20	Pi2 BPSK	1	104	19.17	19.40	19.15			
20	Pi2 BPSK	50	0	19.23	19.33	19.19	20.5	0.0	
20	Pi2 BPSK	50	26	19.07	19.36	19.16	20.5	0.0	
20	Pi2 BPSK	50	56	19.11	19.32	19.17			
20	Pi2 BPSK	100	0	19.10	19.37	19.10	20.5	0.0	
20	QPSK	1	1	19.30	19.55	19.27			
20	QPSK	1	53	19.35	19.40	19.29	20.5	0.0	
20	QPSK	1	104	19.15	19.36	19.17			
20	QPSK	50	0	19.04	19.31	19.11	20.5	0.0	
20	QPSK	50	26	19.21	19.33	19.16	20.5	0.0	
20	QPSK	50	56	19.02	19.32	19.03			
20	QPSK	100	0	19.25	19.35	19.24			
20	16QAM	1	1	19.12	19.37	19.24	20.5	0.0	
20	16QAM	1	1	19.63	19.83	19.59	20.5	0.0	
20	256QAM	1	1	19.39	19.59	19.24	20.5	0.0	
Channel				371600	376000	380600	Tune-up limit (dBm)	MPR (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	18.56	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	19.94	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	19.86	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	19.94	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	19.87	20.0	0.0	

n2 Ant1 DS13 simultaneous

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				372000	376000	380000		
				1800	1800	1800		
20	Pl2 BPSK	1	1	16.85	17.02	16.91	17.9	0.0
20	Pl2 BPSK	1	53	16.66	16.95	16.78		
20	Pl2 BPSK	1	104	16.66	16.86	16.64		
20	Pl2 BPSK	50	0	16.72	16.82	16.68	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	16QAM	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								
Frequency (MHz)				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
				1857.5	1800	1822.5	(dBm)	(dB)
15	QPSK	1	1	16.68	16.98	16.58	17.9	0.0
Channel								
Frequency (MHz)				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
				1805	1860	1905	(dBm)	(dB)
10	QPSK	1	1	16.61	16.88	16.66	17.9	0.0
Channel								
Frequency (MHz)				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
				1862.5	1860	1867.5	(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								
Frequency (MHz)				168000	167300	167600		
				831	836.5	839		
20	Pl2 BPSK	1	1	22.35	22.39	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	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	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								
Frequency (MHz)				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)
				831.5	836.5	841.5	(dBm)	(dB)
15	QPSK	1	1	22.36	22.36	22.21	24.0	0.0
Channel								
Frequency (MHz)				168000	167300	168000	Tune-up limit (dBm)	MPR (dB)
				829	836.5	844	(dBm)	(dB)
10	QPSK	1	1	22.42	22.33	22.28	24.0	0.0
Channel								
Frequency (MHz)				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)
				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								
Frequency (MHz)				346000	349000	352000		
				1720	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	15.78	16.7	0.0
40	16QAM	1	1	15.89	15.97	15.81	16.7	0.0
40	16QAM	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								
Frequency (MHz)				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
				1725	1745	1765	(dBm)	(dB)
30	QPSK	1	1	15.79	15.58	15.66	15.7	0.0
Channel								
Frequency (MHz)				346000	349000	354000	Tune-up limit (dBm)	MPR (dB)
				1760	1745	1770	(dBm)	(dB)
20	QPSK	1	1	15.70	15.94	15.77	16.7	0.0
Channel								
Frequency (MHz)				345000	349000	355000	Tune-up limit (dBm)	MPR (dB)
				1717.5	1745	1772.5	(dBm)	(dB)
15	QPSK	1	1	15.73	15.89	15.65	16.7	0.0
Channel								
Frequency (MHz)				345000	349000	355000	Tune-up limit (dBm)	MPR (dB)
				1715	1745	1775	(dBm)	(dB)
10	QPSK	1	1	14.93	15.05	14.96	16.7	0.0
Channel								
Frequency (MHz)				345000	349000	355000	Tune-up limit (dBm)	MPR (dB)
				1712.5	1745	1777.5	(dBm)	(dB)
5	QPSK	1	1	15.85	15.89	15.74	16.7	0.0



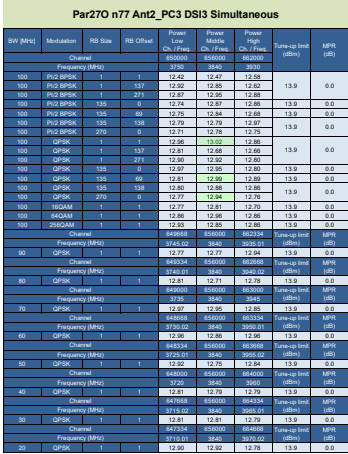
Par270 n77 Ant2_PC3 DSi3 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Mide Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	14.30	14.30	14.31	17.22		
100	PI2 BPSK	1	137	14.40	14.40	14.42	15.5	0.0	
100	PI2 BPSK	1	271	14.48	14.37	14.44			
100	PI2 BPSK	135	0	14.47	14.28	14.39	15.5	0.0	
100	PI2 BPSK	135	80	14.36	14.29	14.29	15.5	0.0	
100	PI2 BPSK	135	138	14.44	14.36	14.19	15.5	0.0	
100	PI2 BPSK	270	0	14.30	14.37	14.27			
100	QPSK	1	1	14.44	14.35	14.28			
100	QPSK	1	137	14.29	14.47	14.42	15.5	0.0	
100	QPSK	1	271	14.44	14.40	14.42			
100	QPSK	135	0	14.28	14.30	14.29	15.5	0.0	
100	QPSK	135	80	14.26	14.36	14.19	15.5	0.0	
100	QPSK	135	138	14.47	14.35	14.28	15.5	0.0	
100	QPSK	270	0	14.23	14.30	14.34			
100	16QAM	1	1	14.47	14.30	14.42	15.5	0.0	
100	16QAM	1	1	14.35	14.44	14.35	15.5	0.0	
100	16QAM	1	1	14.45	14.26	14.34	15.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	14.34	14.40	14.15	15.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	14.29	14.36	14.09	15.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	14.35	14.35	14.15	15.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	14.38	14.37	14.15	15.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	14.39	14.40	14.14	15.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	14.28	14.29	14.11	15.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	14.26	14.30	14.13	15.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	14.31	14.41	14.16	15.5	0.0	

Par270 n77 Ant2_PC2 DSi3 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Mide Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	17.11	17.24	17.22			
100	PI2 BPSK	1	137	17.22	17.25	17.15	18.5	0.0	
100	PI2 BPSK	1	271	17.25	17.21	17.31			
100	PI2 BPSK	135	0	17.26	17.18	17.29	18.5	0.0	
100	PI2 BPSK	135	80	17.16	17.17	17.25	18.5	0.0	
100	PI2 BPSK	135	138	17.48	17.34	17.21	18.5	0.0	
100	PI2 BPSK	270	0	17.22	17.34	17.31			
100	QPSK	1	1	17.25	17.30	17.30			
100	QPSK	1	137	17.37	17.35	17.33	18.5	0.0	
100	QPSK	1	271	17.38	17.38	17.30			
100	QPSK	135	0	17.19	17.28	17.29	18.5	0.0	
100	QPSK	135	80	17.16	17.36	17.36	18.5	0.0	
100	QPSK	135	138	17.39	17.31	17.27	18.5	0.0	
100	QPSK	270	0	17.24	17.35	17.25			
100	16QAM	1	1	17.25	16.36	17.32	18.5	0.0	
100	16QAM	1	1	17.38	17.28	17.34	18.5	0.0	
100	16QAM	1	1	16.51	16.45	16.38	18.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.12	17.14	17.11	18.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.02	17.05	16.95	18.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	17.13	17.17	16.99	18.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	17.02	17.05	16.95	18.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	17.05	17.09	16.97	18.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	17.10	17.11	17.01	18.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	17.11	16.45	16.45	18.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	16.99	17.17	16.96	18.5	0.0	

Part27Q n77_Ant_2_PC3 DSi3 Standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Mide Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	0	16.53			15.5	0.0	
100	PI2 BPSK	1	137		16.52		15.5	0.0	
100	PI2 BPSK	1	271		16.56				
100	PI2 BPSK	135	0		16.45		15.5	0.0	
100	PI2 BPSK	135	80		16.41		15.5	0.0	
100	PI2 BPSK	135	138		16.57		15.5	0.0	
100	QPSK	270	0		16.44		15.5	0.0	
100	QPSK	1	1		16.55		15.5	0.0	
100	QPSK	1	137		16.53		15.5	0.0	
100	QPSK	1	271		16.45				
100	QPSK	135	0		16.49		15.5	0.0	
100	QPSK	135	80		16.42		15.5	0.0	
100	QPSK	135	138		16.43		15.5	0.0	
100	QPSK	270	0		16.58		15.5	0.0	
100	16QAM	1	1		16.49		15.5	0.0	
100	16QAM	1	1		16.45		15.5	0.0	
100	16QAM	1	1		16.43		15.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	16.500	16.534	16.568	16.5	0.0	MPR
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.425	16.435	16.405	16.5	0.0	MPR
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.435	16.440	16.14	16.5	0.0	MPR
Channel									
Frequency (MHz)									
70	QPSK	1	1	16.334	16.334	16.334	16.5	0.0	MPR
Channel									
Frequency (MHz)									
70	QPSK	1	1	16.31	16.41	16.16	16.5	0.0	MPR
Channel									
Frequency (MHz)									
60	QPSK	1	1	16.200	16.234	16.268	16.5	0.0	MPR
Channel									
Frequency (MHz)									
60	QPSK	1	1	16.16	16.23	16.16	16.5	0.0	MPR
Channel									
Frequency (MHz)									
50	QPSK	1	1	16.125	16.134	16.095	16.5	0.0	MPR
Channel									
Frequency (MHz)									
50	QPSK	1	1	16.125	16.134	16.095	16.5	0.0	MPR
Channel									
Frequency (MHz)									
40	QPSK	1	1	16.31	16.41	16.16	16.5	0.0	MPR
Channel									
Frequency (MHz)									
40	QPSK	1	1	16.31	16.41	16.16	16.5	0.0	MPR
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.46	16.37	16.16	16.5	0.0	MPR
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.46	16.37	16.16	16.5	0.0	MPR

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.)	Turn-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		14.10	14.30	14.40	15.5
Channel								
Frequency (MHz)								
20	QPSK	1	1		14.21	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.)	Turn-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	14.90	15.5
Channel								
Frequency (MHz)								
70	QPSK	1	1		14.01	14.91	14.85	15.5
Channel								
Frequency (MHz)								
60	QPSK	1	1		14.05	14.87	14.80	15.5
Channel								
Frequency (MHz)								
50	QPSK	1	1		14.01	14.91	14.85	15.5
Channel								
Frequency (MHz)								
40	QPSK	1	1		14.19	14.85	14.80	15.5
Channel								
Frequency (MHz)								
30	QPSK	1	1		14.00	14.89	14.80	15.5
Channel								
Frequency (MHz)								
20	QPSK	1	1		14.19	14.85	14.80	15.5

[illegible]

Part270 n77_Ant_2_Pc3 D3S3 Simultaneous									
RF (MHz)	Modulation	Ch. Size	RF Offset	Time Off-Low	Power Main dBm	Power Peak dBm	Time-on-air (min)	MPH (dB)	
Frequency (MHz)									
100	PC3 D3S3	1	1	13.24					
100	QPSK	1	139	13.21			13.9	0.0	
100	PC3 D3S3	22.1	1	13.21					
100	QPSK	133.0	0	13.20					
100	PC3 D3S3	133.0	0	13.20			13.9	0.0	
100	QPSK	133.0	138	13.20					
100	PC3 D3S3	270.0	0	13.16			13.9	0.0	
100	QPSK	270.0	0	13.15					
100	QPSK	1	139	13.10			13.9	0.0	
100	QPSK	1	139	13.10					
100	QPSK	133.0	0	13.10					
100	QPSK	133.0	0	13.10			13.9	0.0	
100	QPSK	133.0	138	13.10					
100	QPSK	270.0	0	13.15			13.9	0.0	
100	QPSK	270.0	0	13.15					
100	QPSK	1	139	13.10			13.9	0.0	
100	QPSK	1	250.04	13.10			13.9	0.0	
Channel									
				030000	033334	031668	Compass	MPH	
90	QPSK	1	1	13.24	12.37	12.38	13.9	0.0	
Frequency (MHz)									
90	QPSK	1	139	030008	033334	031668	Compass	MPH	
Frequency (MHz)									
90	QPSK	1	1	13.07	12.67	12.66	13.9	0.0	
Frequency (MHz)									
90	QPSK	1	1	14.01	12.67	12.66	13.9	0.0	
Frequency (MHz)									
90	QPSK	1	1	14.01	12.67	12.66	13.9	0.0	
Frequency (MHz)									
90	QPSK	1	1	13.16	12.71	12.70	13.9	0.0	
Channel									
				031668	033334	031668	Compass	MPH	
80	QPSK	1	1	13.16	12.61	12.60	13.9	0.0	
Frequency (MHz)									
80	QPSK	1	1	13.27	12.61	12.60	13.9	0.0	
Frequency (MHz)									
80	QPSK	1	1	14.01	12.61	12.60	13.9	0.0	
Frequency (MHz)									
80	QPSK	1	1	14.01	12.61	12.60	13.9	0.0	
Frequency (MHz)									
80	QPSK	1	1	13.15	12.49	12.48	13.9	0.0	
Channel									
				030000	033334	031668	Compass	MPH	
30	QPSK	1	1	13.25	12.70	12.68	13.9	0.0	

[illegible]

Part27O n78 Ant2_PC3 DS13 Simultaneous								
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		12.88			
100	PI2-BPSK	1	137		13.24		13.9	0.0
100	PI2-BPSK	1	271		13.14			
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		12.36		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	13.50	13.9	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	13.94	12.97	13.06	13.9	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	13.76	13.28	13.25	13.9	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	13.79	13.42	13.50	13.9	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	13.57	13.28	13.50	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	13.50	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. (Frac.)	Power Max Ch. (Frac.)	Power High Ch. (Frac.)	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		13.28			
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		12.40		13.9	0.0
100	QPSK	155	156		13.48		13.9	0.0
100	QPSK	270	0		13.38		13.9	0.0
100	SSB-QAM	1	1		12.47		13.9	0.0
100	SSB-QAM	1	1		13.43		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	12.80	13.9	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	13.59	12.90	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	12.70	13.9	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	13.59	12.90	12.80	13.9	0.0

Par270 n77 Ant7_PC3 DSi3 standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Media Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	16.24	16.34	16.13			
100	PI2 BPSK	1	137	16.33	16.39	16.00	17.2	0.0	
100	PI2 BPSK	1	271	16.25	16.24	16.12			
100	PI2 BPSK	135	0	16.38	16.39	16.01	17.2	0.0	
100	PI2 BPSK	135	80	16.20	16.07	16.13	17.2	0.0	
100	PI2 BPSK	135	138	16.39	16.32	16.13	17.2	0.0	
100	PI2 BPSK	270	0	16.34	16.39	16.00			
100	QPSK	1	137	16.39	16.38	16.89	17.2	0.0	
100	QPSK	1	271	16.38	16.39	16.38			
100	QPSK	135	0	16.38	16.37	16.39	17.2	0.0	
100	QPSK	135	80	16.36	16.37	16.39	17.2	0.0	
100	QPSK	135	138	16.37	16.35	16.35	17.2	0.0	
100	QPSK	270	0	16.30	16.14	16.07			
100	16QAM	1	1	16.24	16.20	16.20	17.2	0.0	
100	16QAM	1	1	16.11	16.21	16.13	17.2	0.0	
100	16QAM	1	1	16.15	16.26	16.02	17.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.07	16.10	16.09	17.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.09	16.09	16.09	17.2	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	16.13	16.19	16.17	17.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.10	16.09	16.09	17.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.09	16.09	16.09	17.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.17	16.10	16.14	17.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.10	16.09	16.09	17.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.08	16.22	16.11	17.2	0.0	

Par270 n77 Ant7_PC2 DSi3 standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Media Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	16.23	16.24	16.16			
100	PI2 BPSK	1	137	16.33	16.11	16.39	20.2	0.0	
100	PI2 BPSK	1	271	16.28	16.10	16.28			
100	PI2 BPSK	135	0	16.21	16.12	16.21	20.2	0.0	
100	PI2 BPSK	138	80	16.36	16.09	16.28	20.2	0.0	
100	PI2 BPSK	135	138	16.32	16.09	16.34	20.2	0.0	
100	PI2 BPSK	270	0	16.24	16.09	16.37			
100	QPSK	1	1	16.15	16.07	16.10			
100	QPSK	1	137	16.14	16.12	16.16	20.2	0.0	
100	QPSK	1	271	16.10	16.13	16.11			
100	QPSK	135	0	16.12	16.08	16.08	20.2	0.0	
100	QPSK	135	80	16.20	16.06	16.11	20.2	0.0	
100	QPSK	135	138	16.24	16.06	16.39	20.2	0.0	
100	QPSK	270	0	16.06	16.10	16.26			
100	16QAM	1	1	16.16	16.22	16.25	20.2	0.0	
100	16QAM	1	1	16.04	16.16	16.23	20.2	0.0	
100	16QAM	1	1	16.10	16.06	16.21	20.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.07	16.06	16.07	20.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.01	16.10	16.02	20.2	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	16.04	16.10	16.00	20.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.10	16.09	16.10	20.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.04	16.10	16.07	20.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.04	16.08	16.00	20.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.10	16.09	16.10	20.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.01	16.11	16.03	20.2	0.0	

Part27Q n77_Ant 7_PC3 DSi3 standalone									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Media Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	16.22		16.22			
100	PI2 BPSK	1	137	16.22		16.22	17.2	0.0	
100	PI2 BPSK	1	271	16.15		16.15			
100	PI2 BPSK	135	0	16.23		16.23	17.2	0.0	
100	PI2 BPSK	135	80	16.20		16.20	17.2	0.0	
100	PI2 BPSK	135	138	16.14		16.14	17.2	0.0	
100	PI2 BPSK	270	0	16.15		16.15	17.2	0.0	
100	QPSK	1	1	16.10		16.10			
100	QPSK	1	137	16.24		16.24	17.2	0.0	
100	QPSK	1	271	16.17		16.17			
100	QPSK	135	0	16.21		16.21	17.2	0.0	
100	QPSK	135	80	16.20		16.20	17.2	0.0	
100	QPSK	135	138	16.15		16.15	17.2	0.0	
100	QPSK	270	0	16.20		16.20	17.2	0.0	
100	16QAM	1	1	16.20		16.20	17.2	0.0	
100	16QAM	1	1	16.20		16.20	17.2	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	16.10	16.20	16.20	17.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.29	16.12	16.22	17.2	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	16.09	16.25	16.09	17.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.29	16.12	16.22	17.2	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	16.09	16.25	16.09	17.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.29	16.12	16.22	17.2	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	16.09	16.25	16.09	17.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.08	16.24	16.11	17.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.29	16.12	16.22	17.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.24	16.12	16.12	17.2	0.0	

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		17.2	0.0	
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		10.84		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		10.00				
100	PI2-BPSK	1	137		10.88		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		10.06		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_PC3 DS13 Simultaneous							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 (Watt)	Power Media Ch.1 (Watt)	Power High Ch.1 (Watt)	Turn-up time (dBm)
Channel							
Frequency (MHz)							
100	PI2 BPSK	1	1	15.02	15.01	15.03	
100	PI2 BPSK	1	137	14.89	14.82	14.83	15.9
100	PI2 BPSK	1	271	14.58	14.53	14.48	
100	PI2 BPSK	135	0	14.25	15.02	15.10	15.9
100	PI2 BPSK	135	66	15.15	15.01	15.03	15.9
100	PI2 BPSK	135	138	15.21	15.17	15.18	15.9
100	PI2 BPSK	270	0	14.86	14.90	14.92	
100	QPSK	1	1	15.12	15.05	15.05	
100	QPSK	1	137	15.01	15.03	15.09	15.9
100	QPSK	1	271	14.83	14.82	14.49	
100	QPSK	135	0	15.19	15.08	15.19	15.9
100	QPSK	135	66	15.16	15.08	15.19	15.9
100	QPSK	135	138	15.12	15.18	15.19	15.9
100	QPSK	270	0	15.04	15.13	15.10	
100	16QAM	1	1	15.15	15.20	15.12	15.9
100	16QAM	1	1	15.07	15.19	15.17	15.9
100	16QAM	1	1	15.16	15.02	15.11	15.9
Channel							
80	QPSK	1	1	80.658	80.658	80.234	Turn-up time (dBm)
Channel							
80	QPSK	1	1	80.14	80.00	80.00	Turn-up time (dBm)
Channel							
80	QPSK	1	1	80.64	80.00	80.00	Turn-up time (dBm)
Channel							
70	QPSK	1	1	70.14	70.00	70.00	Turn-up time (dBm)
Channel							
70	QPSK	1	1	70.14	70.00	70.00	Turn-up time (dBm)
Channel							
60	QPSK	1	1	60.14	60.00	60.00	Turn-up time (dBm)
Channel							
60	QPSK	1	1	60.14	60.00	60.00	Turn-up time (dBm)
Channel							
50	QPSK	1	1	50.14	50.00	50.00	Turn-up time (dBm)
Channel							
40	QPSK	1	1	40.14	40.00	40.00	Turn-up time (dBm)
Channel							
30	QPSK	1	1	30.14	30.00	30.00	Turn-up time (dBm)
Channel							
20	QPSK	1	1	20.14	20.00	20.00	Turn-up time (dBm)

Par270 n77_Ant7_PC2 DS13 Simultaneous							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 (Watt)	Power Media Ch.1 (Watt)	Power High Ch.1 (Watt)	Turn-up time (dBm)
Channel							
Frequency (MHz)							
100	PI2 BPSK	1	1	15.24	15.23	15.11	
100	PI2 BPSK	1	137	15.26	15.11	15.26	15.9
100	PI2 BPSK	1	271	15.18	15.12	17.04	
100	PI2 BPSK	135	0	15.08	15.14	15.19	15.9
100	PI2 BPSK	135	66	15.14	15.08	15.26	15.9
100	PI2 BPSK	135	138	17.07	17.02	17.07	15.9
100	PI2 BPSK	270	0	15.08	15.05	15.10	
100	QPSK	1	1	15.15	15.10	15.20	
100	QPSK	1	137	15.20	15.25	15.14	15.9
100	QPSK	1	271	15.00	15.05	17.06	
100	QPSK	135	0	15.03	15.12	15.07	15.9
100	QPSK	135	66	15.11	15.16	15.04	15.9
100	QPSK	135	138	17.06	17.06	17.06	15.9
100	QPSK	270	0	15.11	15.10	17.07	
100	16QAM	1	1	15.07	15.07	15.06	15.9
100	16QAM	1	1	15.16	15.25	15.05	15.9
100	16QAM	1	1	15.25	15.25	15.25	15.9
Channel							
80	QPSK	1	1	80.658	80.658	80.234	Turn-up time (dBm)
Channel							
80	QPSK	1	1	80.14	80.11	80.00	Turn-up time (dBm)
Channel							
80	QPSK	1	1	80.64	80.00	80.00	Turn-up time (dBm)
Channel							
70	QPSK	1	1	70.14	70.00	70.00	Turn-up time (dBm)
Channel							
70	QPSK	1	1	70.14	70.00	70.00	Turn-up time (dBm)
Channel							
60	QPSK	1	1	60.14	60.00	60.00	Turn-up time (dBm)
Channel							
60	QPSK	1	1	60.14	60.00	60.00	Turn-up time (dBm)
Channel							
50	QPSK	1	1	50.14	50.00	50.00	Turn-up time (dBm)
Channel							
40	QPSK	1	1	40.14	40.00	40.00	Turn-up time (dBm)
Channel							
30	QPSK	1	1	30.14	30.00	30.00	Turn-up time (dBm)
Channel							
20	QPSK	1	1	20.14	20.00	20.00	Turn-up time (dBm)

Par270Q n77_Ant7_PC3 DS13 Simultaneous							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 (Watt)	Power Media Ch.1 (Watt)	Power High Ch.1 (Watt)	Turn-up time (dBm)
Channel							
Frequency (MHz)							
100	PI2 BPSK	1	1	15.15			
100	PI2 BPSK	1	137	15.26		15.9	0.0
100	PI2 BPSK	1	271	15.15			
100	PI2 BPSK	135	0	15.15			
100	PI2 BPSK	135	66	15.14			
100	PI2 BPSK	135	138	15.27			
100	PI2 BPSK	270	0	15.15		15.9	0.0
100	QPSK	1	1	15.15			
100	QPSK	1	137	15.17		15.9	0.0
100	QPSK	1	271	15.25			
100	QPSK	135	0	15.28			
100	QPSK	135	66	15.24			
100	QPSK	135	138	15.27			
100	QPSK	270	0	15.26		15.9	0.0
100	16QAM	1	1	15.36		15.9	0.0
100	16QAM	1	1	15.34		15.9	0.0
100	16QAM	1	1	15.27		15.9	0.0
Channel							
80	QPSK	1	1	80.658	80.658	80.234	Turn-up time (dBm)
Channel							
80	QPSK	1	1	80.17	80.25	80.25	Turn-up time (dBm)
Channel							
80	QPSK	1	1	80.21	80.34	80.23	Turn-up time (dBm)
Channel							
70	QPSK	1	1	70.26	70.21	70.25	Turn-up time (dBm)
Channel							
70	QPSK	1	1	70.26	70.21	70.25	Turn-up time (dBm)
Channel							
60	QPSK	1	1	60.26	60.21	60.25	Turn-up time (dBm)
Channel							
60	QPSK	1	1	60.21	60.34	60.23	Turn-up time (dBm)
Channel							
50	QPSK	1	1	50.26	50.21	50.25	Turn-up time (dBm)
Channel							
50	QPSK	1	1	50.21	50.34	50.23	Turn-up time (dBm)
Channel							
40	QPSK	1	1	40.26	40.21	40.25	Turn-up time (dBm)
Channel							
40	QPSK	1	1	40.21	40.34	40.23	Turn-up time (dBm)
Channel							
30	QPSK	1	1	30.26	30.21	30.25	Turn-up time (dBm)
Channel							
30	QPSK	1	1	30.21	30.34	30.23	Turn-up time (dBm)
Channel							
20	QPSK	1	1	20.26	20.21	20.25	Turn-up time (dBm)

Par270Q n77_Ant7_PC2 DS13 Simultaneous							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 (Watt)	Power Media Ch.1 (Watt)	Power High Ch.1 (Watt)	Turn-up time (dBm)
Channel							
Frequency (MHz)							
100	PI2 BPSK	1	1	15.07			
100	PI2 BPSK	1	137	15.12		15.9	0.0
100	PI2 BPSK	1	271	17.01			
100	PI2 BPSK	135	0	15.03			
100	PI2 BPSK	135	66	17.01			
100	PI2 BPSK	135	138	17.06			
100	PI2 BPSK	270	0	15.06		15.9	0.0
100	QPSK	1	1	15.11			
100	QPSK	1	137	15.11		15.9	0.0
100	QPSK	1	271	17.02			
100	QPSK	135	0	15.15			
100	QPSK	135	66	15.12			
100	QPSK	135	138	15.08			
100	QPSK	270	0	15.12		15.9	0.0
100	16QAM	1	1	15.21		15.9	0.0
100	16QAM	1	1	15.01		15.9	0.0
100	16QAM	1	1	15.26		15.9	0.0
Channel							
80	QPSK	1	1	80.658	80.658	80.234	Turn-up time (dBm)
Channel							
80	QPSK	1	1	80.05	80.05	80.05	Turn-up time (dBm)
Channel							
80	QPSK	1	1	79.96	77.95	78.94	Turn-up time (dBm)
Channel							
70	QPSK	1	1	70.05	70.05	70.05	Turn-up time (dBm)
Channel							
70	QPSK	1	1	70.05	70.05	70.05	Turn-up time (dBm)
Channel							
60	QPSK	1	1	60.05	60.05	60.05	Turn-up time (dBm)
Channel							
60	QPSK	1	1	60.05	60.05	60.05	Turn-up time (dBm)
Channel							
50	QPSK	1	1	50.05	50.05	50.05	Turn-up time (dBm)
Channel							
50	QPSK	1	1	50.05	50.05	50.05	Turn-up time (dBm)
Channel							
40	QPSK	1	1	40.05	40.05	40.05	Turn-up time (dBm)
Channel							
40	QPSK	1	1	40.05	40.05	40.05	Turn-up time (dBm)
Channel							
30	QPSK	1	1	30.05	30.05	30.05	Turn-up time (dBm)
Channel							
30	QPSK	1	1	30.05	30.05	30.05	Turn-up time (dBm)
Channel							
20	QPSK	1	1	20.05	20.05	20.05	Turn-up time (dBm)
Channel							
20	QPSK	1	1	20.05	20.05	20.05	Turn-up time (dBm)
Channel							
10	QPSK	1	1	10.05	10.05	10.05	Turn-up time (dBm)
Channel							
10	QPSK	1	1	10.05	10.05	10.05	Turn-up time (dBm)
Channel							
0	QPSK	1	1	0.05	0.05	0.05	Turn-up time (dBm)
Channel							
0	QPSK	1	1	0.05	0.05	0.05	Turn-up time (dBm)
Channel							
0	QPSK	1	1	0.05	0.05	0.05	Turn-up time (dBm)
Channel							
0	QPSK	1	1	0.05	0.05	0.05	Turn-up time (dBm)
Channel							
0	QPSK	1	1	0.05	0.05	0.05	Turn-up time (dBm)
Channel							
0	QPSK	1	1	0.05	0.05	0.05	Turn-up time (dBm)
Channel							
0	QPSK	1	1	0.05	0.05	0.05	Turn-up time (dBm)
Channel							
0	QPSK	1	1	0.05	0.05	0.05	Turn-up time (dBm)
Channel							
0	QPSK	1	1	0.05	0.05	0.05	Turn-up time (dBm)
Channel							
0	QPSK	1	1	0.05	0.05	0.05	Turn-up time (dBm)
Channel							
0	QPSK	1	1	0.05	0.05	0.05	Turn-up time (dBm)
Channel							
0	QPSK	1	1	0.05	0.05	0.05	Turn-up time (dBm)
Channel							
0	QPSK	1	1	0.05	0.05	0.05	Turn-up time (dBm)
Channel							
0	QPSK	1	1	0.05	0.05	0.05	Turn-up time (dBm)
Channel							
0	QPSK	1	1	0.05	0.05	0.05	Turn-up time (dBm)
Channel							
0	QPSK	1	1	0.05	0.05	0.05	Turn-up time (dBm)
Channel							
0	QPSK	1	1	0.05	0.05	0.05	Turn-up time (dBm)
Channel							
0	QPSK	1	1	0.05	0.05	0.05	Turn-up time (dBm)
Channel							
0	QPSK	1	1	0.05	0.05	0.05	Turn-up time (dBm)
Channel							
0	QPSK	1	1	0.05	0.05	0.05	Turn-up time (dBm)
Channel							
0	QPSK	1	1	0.05	0.05	0.05	Turn-up time (dBm)
Channel							
0	QPSK	1	1	0.05	0.05	0.05	Turn-up time (dBm)
Channel							
0	QPSK	1	1	0.05	0.05	0.05	Turn-up time (dBm)
Channel							
0	QPSK	1	1	0.05	0.05	0.05	Turn-up time (dBm)
Channel							
0	QPSK	1	1	0.05	0.05	0.05	Turn-up time (dBm)
Channel							
0	QPSK	1	1	0.05	0.05	0.05	Turn-up time (dBm)
Channel							
0	QPSK	1	1	0.05	0.05	0.05	Turn-up time (dBm)
Channel							
0	QPSK	1	1	0.05	0.05	0.05	Turn-up time (dBm)
Channel							
0	QPSK	1	1	0.05	0.05	0.05	Turn-up time (dBm)
Channel							
0	QPSK	1	1	0.05	0.05	0.05	Turn-up time (dBm)
Channel							
0	QPSK	1	1	0.05	0.05	0.05	Turn-up time (dBm)
Channel							
0	QPSK	1	1	0.05	0.05	0.05	Turn-up time (dBm)
Channel							
0	QPSK	1	1	0.05	0.05	0.05	Turn-up time (dBm)
Channel							
0	QPSK	1	1	0.05	0.05	0.05	Turn-up time (dBm)
Channel							
0	QPSK	1	1	0.05	0.05	0.05	Turn-up time (dBm)
Channel							
0	QPSK	1	1	0.05	0.05	0.05	Turn-up time (dBm)
Channel							
0	QPSK	1	1	0.05	0.05	0.05	Turn-up time (dBm)
Channel							
0	QPSK	1	1	0.05	0.05	0.05	Turn-up time (dBm)
Channel							
0	QPSK	1	1	0.05	0.05	0.05	Turn-up time (dBm)
Channel							
0	QPSK	1	1	0.05	0.05	0.05	Turn-up time (dBm)
Channel							
0	QPSK	1	1	0.05	0.05	0.05	Turn-up time (dBm)
Channel							
0	QPSK	1	1	0.05	0.05	0.05	Turn-up time (dBm)
Channel							
0	QPSK	1	1	0.05	0.05	0.05	Turn-up time (dBm)
Channel							
0	QPSK	1	1	0.05	0.05	0.05	Turn-up time (dBm)
Channel							
0	QPSK	1	1	0.05	0.05	0.05	Turn-up time (dBm)
Channel							
0	QPSK	1	1	0.05	0.05	0.05	Turn-up time (dBm)
Channel							
0	QPSK	1	1	0.05	0.05	0.05	Turn-up time (dBm)
Channel							
0	QPSK	1	1	0.05	0.05	0.05	Turn-up time (dBm)
Channel							
0	QPSK	1	1	0.05	0.05		

Part27O n78 Ant 7_PC3 DS13 Simultaneous

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Max Ch. (Frac.)	Power High Ch. (Frac.)	Tune-up time (dBm)	MPN (dB)
Channel								
Frequency (MHz)								
100	P12-BPSK	1	1		15.12			
100	P12-BPSK	1	137		15.11		15.9	0.0
100	P12-BPSK	1	271		15.08			
100	P12-BPSK	135	0		15.13		15.9	0.0
100	P12-BPSK	135	0		15.10		15.9	0.0
100	P12-BPSK	135	136		14.88		15.9	0.0
100	P12-BPSK	270	0		15.08		15.9	0.0
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	15.08	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. (Frac.)	Power Max Ch. (Frac.)	Power High Ch. (Frac.)	Tune-up time (dBm)	MPN (dB)
Channel								
Frequency (MHz)								
100	P12-BPSK	1	1		15.32			
100	P12-BPSK	1	137		15.13		15.9	0.0
100	P12-BPSK	1	271		15.21			
100	P12-BPSK	135	0		15.34		15.9	0.0
100	P12-BPSK	135	0		15.26		15.9	0.0
100	P12-BPSK	135	136		15.12		15.9	0.0
100	P12-BPSK	270	0		15.08		15.9	0.0
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]	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	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	20.76	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		
20	QPSK	1	104	20.78	20.92	20.78		22.1	0.0
20	QPSK	50	0	20.80	20.89	20.76	22.1		
20	QPSK	50	28	20.80	20.91	20.81	22.1		
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				1867.5	1860	1902.5	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1860	1902.5			
15	QPSK	1	1	20.88	20.97	20.87	22.1	0.0	
Channel				375000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1860	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	1860	1907.5			
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	22.56	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		
20	QPSK	1	104	22.47	22.60	22.55		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		
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				1633.0	1674.0	16735.0	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	168800	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				166300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				834.5	836.5	843.5			
5	QPSK	1	1	22.50	22.45	22.42	24.0	0.0	

n66 Ant0 DSI6 Standalone									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	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	20.96	20.81	22.1		
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	19.26	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	Pi/2 BPSK	1	1	19.29	19.35	19.28			
20	Pi/2 BPSK	1	53	19.32	19.39	19.28	20.8		
20	Pi/2 BPSK	1	104	19.22	19.36	19.25			
20	Pi/2 BPSK	50	0	19.20	19.32	19.25	20.8		
20	Pi/2 BPSK	50	28	19.27	19.31	19.18	20.8		
20	Pi/2 BPSK	50	56	19.19	19.33	19.26	20.8		
20	Pi/2 BPSK	100	0	19.23	19.35	19.24			
20	QPSK	1	1	19.50	19.53	19.44			
20	QPSK	1	53	19.53	19.58	19.26	20.8		
20	QPSK	1	104	19.28	19.42	19.31			
20	QPSK	50	0	19.32	19.37	19.24	20.8		
20	QPSK	50	28	19.33	19.39	19.33	20.8		
20	QPSK	50	56	19.33	19.34	19.26	20.8		
20	QPSK	100	0	19.24	19.36	19.26			
20	16QAM	1	1	19.37	19.47	19.42	20.8		
20	64QAM	1	1	19.38	19.45	19.35	20.8		
20	256QAM	1	1	19.27	19.35	19.31	20.5		
Channel				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	Pi/2 BPSK	1	1	22.62	22.68	22.65			
20	Pi/2 BPSK	1	53	22.62	22.63	22.54	24.0		
20	Pi/2 BPSK	1	104	22.46	22.60	22.41			
20	Pi/2 BPSK	50	0	22.50	22.55	22.49	24.0		
20	Pi/2 BPSK	50	28	22.64	22.67	22.56	24.0		
20	Pi/2 BPSK	50	56	22.50	22.56	22.41	24.0		
20	Pi/2 BPSK	100	0	22.45	22.64	22.60			
20	QPSK	1	1	22.63	22.75	22.67			
20	QPSK	1	53	22.42	22.62	22.44	24.0		
20	QPSK	1	104	22.47	22.60	22.55			
20	QPSK	50	0	22.49	22.58	22.41	24.0		
20	QPSK	50	28	22.62	22.65	22.63	24.0		
20	QPSK	50	56	22.50	22.57	22.43	24.0		
20	QPSK	100	0	22.43	22.62	22.42			
20	16QAM	1	1	22.59	22.61	22.52	24.0		
20	64QAM	1	1	21.73	21.91	21.72	22.5		
20	256QAM	1	1	19.64	19.69	19.52	20.5		
Channel				163300	167300	169300			
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.48	22.54	22.39	24.0		
Channel				165800	167300	168800			
Frequency (MHz)				836	836.5	834			
10	QPSK	1	1	22.46	22.51	22.47	24.0		
Channel				166300	167300	168300			
Frequency (MHz)				834.5	836.5	836.5			
5	QPSK	1	1	22.50	22.45	22.42	24.0		

n66 Ant0 DSI6 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	Pi/2 BPSK	1	1	19.31	19.35	19.32			
40	Pi/2 BPSK	1	108	19.23	19.34	19.28	20.8		
40	Pi/2 BPSK	1	214	19.29	19.37	19.33			
40	Pi/2 BPSK	108	0	19.28	19.35	19.32	20.8		
40	Pi/2 BPSK	108	54	19.24	19.33	19.30	20.8		
40	Pi/2 BPSK	108	108	19.34	19.45	19.40	20.8		
40	Pi/2 BPSK	216	0	19.27	19.36	19.30			
40	QPSK	1	1	19.43	19.55	19.51			
40	QPSK	1	108	19.36	19.43	19.37	20.8		
40	QPSK	1	214	19.27	19.39	19.33			
40	QPSK	108	0	19.36	19.38	19.30	20.8		
40	QPSK	108	54	19.31	19.50	19.36	20.8		
40	QPSK	108	108	19.38	19.44	19.38	20.8		
40	QPSK	216	0	19.22	19.38	19.32			
40	16QAM	1	1	19.37	19.45	19.40	20.8		
40	64QAM	1	1	19.45	19.48	19.34	20.8		
40	256QAM	1	1	19.32	19.34	19.28	20.5		
Channel				343000	349000	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	381000			
15	QPSK	1	1	20.77	20.75	20.71		21.6	0.0
Channel				375000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				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	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				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 <th>1860</th> <th>1902.5</th> <th></th> <th colspan="2"></th>	1860	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 <th>1860<th>1905</th><th></th><th colspan="2"></th></th>	1860 <th>1905</th> <th></th> <th colspan="2"></th>	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 <th>1860<th>1907.5</th><th></th><th colspan="2"></th></th>	1860 <th>1907.5</th> <th></th> <th colspan="2"></th>	1907.5			
5	QPSK	1	1	19.36	19.31	19.37	20.3	0.0	

n5 Ant1 DS16 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	838			
20	PI2 BPSK	1	1	22.35	22.36	22.34			
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	22.25	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	24.0	0.0	
20	QPSK	100	0	22.13	22.25	22.15			
20	16QAM	1	1	22.42	22.37	22.42	24.0	0.0	
20	64QAM	1	1	21.70	21.73	21.58	22.5	1.5	
20	256QAM	1	1	19.24	19.43	19.23	20.5	3.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.36	22.36	22.21	24.0	0.0	
Channel				166800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				838	838.5	844			
10	QPSK	1	1	22.42	22.33	22.28	24.0	0.0	
Channel				166300	167300	168900	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				836.5	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)				1730	1745	1760			
40	PI2 BPSK	1	1	19.24	19.37	19.31			
40	PI2 BPSK	1	108	19.20	19.34	19.19	20.6	0.0	
40	PI2 BPSK	1	214	19.35	19.42	19.38			
40	PI2 BPSK	108	0	19.21	19.38	19.32	20.6	0.0	
40	PI2 BPSK	108	54	19.28	19.43	19.32	20.6	0.0	
40	PI2 BPSK	108	108	19.24	19.35	19.20	20.6	0.0	
40	PI2 BPSK	216	0	19.42	19.48	19.34	20.6	0.0	
40	QPSK	1	1	19.50	19.58	19.46			
40	QPSK	1	108	19.19	19.34	19.20	20.6	0.0	
40	QPSK	1	214	19.38	19.43	19.38			
40	QPSK	108	0	19.26	19.38	19.23	20.6	0.0	
40	QPSK	108	54	19.32	19.48	19.25	20.6	0.0	
40	QPSK	108	108	19.43	19.41	19.36	20.6	0.0	
40	QPSK	216	0	19.27	19.35	19.27			
40	16QAM	1	1	19.30	19.33	19.21	20.6	0.0	
40	64QAM	1	1	19.27	19.43	19.40	20.6	0.0	
40	256QAM	1	1	19.20	19.37	19.31	20.6	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	19.34	19.42	19.43	20.6	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	19.30	19.46	19.36	20.6	0.0	
Channel				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	348000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	19.28	19.47	19.25	20.6	0.0	
Channel				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)	MFR (dB)	
Channel									
Frequency [MHz]									
100	P102-BPSK	1	1	17.59	17.68	17.58			
100	P102-BPSK	1	137	17.48	17.55	17.45	18.6	0.0	
100	P102-BPSK	1	271	17.49	17.75	17.45			
100	P102-BPSK	135	0	17.41	17.33	17.45	18.6	0.0	
100	P102-BPSK	135	88	17.45	17.85	17.45	18.6	0.0	
100	P102-BPSK	135	138	17.34	17.41	17.39	18.6	0.0	
100	P102-BPSK	270	0	17.26	17.43	17.24	18.6	0.0	
100	QPSK	1	1	17.72	17.77	17.55			
100	QPSK	1	137	17.53	17.80	17.55	18.6	0.0	
100	QPSK	1	271	17.42	17.75	17.21			
100	QPSK	135	0	17.49	17.46	17.49	18.6	0.0	
100	QPSK	135	88	17.49	17.46	17.46	18.6	0.0	
100	QPSK	135	138	17.25	17.41	17.37	18.6	0.0	
100	QPSK	270	0	17.24	17.26	17.25	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]									
50	QPSK	1	1	17.45	17.55	17.45	18.6	0.0	
50	QPSK	1	137	17.53	17.80	17.55	18.6	0.0	
50	QPSK	1	271	17.42	17.75	17.21			
50	QPSK	135	0	17.49	17.46	17.49	18.6	0.0	
50	QPSK	135	88	17.49	17.46	17.46	18.6	0.0	
50	QPSK	135	138	17.25	17.41	17.37	18.6	0.0	
50	QPSK	270	0	17.24	17.26	17.25	18.6	0.0	
50	16QAM	1	1	17.53	17.37	17.25	18.6	0.0	
50	16QAM	1	1	17.59	17.40	17.28	18.6	0.0	
50	16QAM	1	1	17.73	17.25	17.65	18.6	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	17.45	17.55	17.45	18.6	0.0	
50	QPSK	1	137	17.53	17.80	17.55	18.6	0.0	
50	QPSK	1	271	17.42	17.75	17.21			
50	QPSK	135	0	17.49	17.46	17.49	18.6	0.0	
50	QPSK	135	88	17.49	17.46	17.46	18.6	0.0	
50	QPSK	135	138	17.25	17.41	17.37	18.6	0.0	
50	QPSK	270	0	17.24	17.26	17.25	18.6	0.0	
50	16QAM	1	1	17.53	17.37	17.25	18.6	0.0	
50	16QAM	1	1	17.59	17.40	17.28	18.6	0.0	
50	16QAM	1	1	17.73	17.25	17.65	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)	MFR (dB)	
Channel									
Frequency [MHz]									
100	P102-BPSK	1	1	20.51	20.67	20.59			
100	P102-BPSK	1	137	20.56	20.79	20.69	21.6	0.0	
100	P102-BPSK	1	271	20.55	20.73	20.57			
100	P102-BPSK	135	0	19.39	20.11	19.24	21.6	0.0	
100	P102-BPSK	135	88	20.35	20.64	20.52	21.6	0.0	
100	P102-BPSK	135	138	20.22	20.22	20.07	21.6	0.0	
100	P102-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	20.66	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	88	20.54	20.66	20.54	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	20.49	21.6	0.0	
100	16QAM	1	1	20.36	20.76	20.42	21.6	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	20.42	20.57	20.45	21.6	0.0	
50	QPSK	1	137	20.66	20.87	20.54	21.6	0.0	
50	QPSK	1	271	20.44	20.66	20.49	21.6	0.0	
50	QPSK	135	0	20.42	20.43	20.42	21.6	0.0	
50	QPSK	135	88	20.54	20.66	20.54	21.6	0.0	
50	QPSK	135	138	20.46	20.47	20.35	21.6	0.0	
50	QPSK	270	0	20.42	20.50	20.41	21.6	0.0	
50	16QAM	1	1	20.46	20.43	20.46	21.6	0.0	
50	16QAM	1	1	20.26	20.33	20.49	21.6	0.0	
50	16QAM	1	1	20.36	20.76	20.42	21.6	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	20.42	20.57	20.45	21.6	0.0	
50	QPSK	1	137	20.66	20.87	20.54	21.6	0.0	
50	QPSK	1	271	20.44	20.66	20.49	21.6	0.0	
50	QPSK	135	0	20.42	20.43	20.42	21.6	0.0	
50	QPSK	135	88	20.54	20.66	20.54	21.6	0.0	
50	QPSK	135	138	20.46	20.47	20.35	21.6	0.0	
50	QPSK	270	0	20.42	20.50	20.41	21.6	0.0	
50	16QAM	1	1	20.46	20.43	20.46	21.6	0.0	
50	16QAM	1	1	20.26	20.33	20.49	21.6	0.0	
50	16QAM	1	1	20.36	20.76	20.42	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)	MFR (dB)	
Channel									
Frequency [MHz]									
100	P102-BPSK	1	1	17.34		17.34			
100	P102-BPSK	1	137	17.49		17.49	18.6	0.0	
100	P102-BPSK	1	271	17.45		17.45			
100	P102-BPSK	135	0	17.47		17.47	18.6		
100	P102-BPSK	135	88	17.28		17.28	18.6	0.0	
100	P102-BPSK	135	138	17.25		17.25	18.6	0.0	
100	P102-BPSK	270	0	17.41		17.41	18.6	0.0	
100	QPSK	1	1	17.55		17.55	18.6	0.0	
100	QPSK	1	137	17.46		17.46	18.6	0.0	
100	QPSK	1	271	17.27		17.27	18.6	0.0	
100	QPSK	135	0	17.41		17.41	18.6	0.0	
100	QPSK	135	88	17.28		17.28	18.6	0.0	
100	QPSK	135	138	17.25		17.25	18.6	0.0	
100	QPSK	270	0	17.37		17.37	18.6	0.0	
100	16QAM	1	1	17.41		17.41	18.6	0.0	
100	16QAM	1	1	17.28		17.28	18.6	0.0	
100	16QAM	1	1	17.55		17.55	18.6	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	17.41	17.63	17.55	20.5	0.0	
50	QPSK	1	137	17.68	18.00	17.80	20.5	0.0	
50	QPSK	1	271	17.32	17.50	17.38	20.5	0.0	
50	QPSK	135	0	17.45	17.55	17.45	20.5	0.0	
50	QPSK	135	88	17.28	17.48	17.35	20.5	0.0	
50	QPSK	135	138	17.25	17.45	17.30	20.5	0.0	
50	QPSK	270	0	17.37	17.45	17.40	20.5	0.0	
50	16QAM	1	1	17.41	17.45	17.40	20.5	0.0	
50	16QAM	1	1	17.28	17.40	17.34	20.5	0.0	
50	16QAM	1	1	17.55	17.55	17.55	20.5	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)	MFR (dB)	
Channel									
Frequency [MHz]									
100	P102-BPSK	1	1	20.51		20.51			
100	P102-BPSK	1	137	20.64		20.64	21.6	0.0	
100	P102-BPSK	1	271	20.68		20.68			
100	P102-BPSK	135	0	20.50		20.50	21.6	0.0	
100	P102-BPSK	135	136	20.63		20.63	21.6	0.0	
100	P102-BPSK	271	0	20.53		20.53	21.6	0.0	
100	P102-BPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	1	1	20.51		20.51			
100	QPSK	1	137	20.64		20.64	21.6	0.0	
100	QPSK	1	271	20.68		20.68			
100	QPSK	135	0	20.50		20.50	21.6	0.0	
100	QPSK	135	136	20.63		20.63	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPSK	271	137	20.66		20.66	21.6	0.0	
100	QPSK	271	0	20.53		20.53	21.6	0.0	
100	QPS								

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							
Frequency (MHz)							
100	PLC BPSK	1	1	17.40	17.40	17.40	
100	PLC BPSK	1	137	17.35		18.6	0.0
100	PLC BPSK	1	271	17.35		18.6	0.0
100	PLC BPSK	135	0	17.35		18.6	0.0
100	PLC BPSK	135	136	17.21		18.6	0.0
100	PLC BPSK	270	0	17.21		18.6	0.0
100	QPSK	1	1	17.35		18.6	0.0
100	QPSK	1	137	17.40		18.6	0.0
100	QPSK	1	271	17.35		18.6	0.0
100	QPSK	135	0	17.21		18.6	0.0
100	QPSK	135	136	17.21		18.6	0.0
100	QPSK	270	0	17.18		18.6	0.0
100	16QAM	1	1	17.17		18.6	0.0
100	16QAM	1	1	17.34		18.6	0.0
100	16QAM	1	1	17.34		18.6	0.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	17.22	17.15	17.25	18.6
Channel							
Frequency (MHz)							
80	QPSK	1	1	17.19	17.24	17.29	18.6
Channel							
Frequency (MHz)							
70	QPSK	1	1	17.19	17.24	17.24	18.6
Channel							
Frequency (MHz)							
80	QPSK	1	1	17.20	17.26	17.27	18.6
Channel							
Frequency (MHz)							
80	QPSK	1	1	17.26	17.25	17.23	18.6
Channel							
Frequency (MHz)							
40	QPSK	1	1	17.24	17.28	17.25	18.6
Channel							
Frequency (MHz)							
90	QPSK	1	1	17.12	17.26	17.22	18.6
Channel							
Frequency (MHz)							
20	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							
Frequency (MHz)							
100	PLC BPSK	1	1	17.34		17.34	
100	PLC BPSK	1	137	17.29		18.6	0.0
100	PLC BPSK	1	271	17.42		18.6	0.0
100	PLC BPSK	135	0	17.31		18.6	0.0
100	PLC BPSK	135	136	17.14		18.6	0.0
100	PLC BPSK	270	0	17.17		18.6	0.0
100	QPSK	1	1	17.31		18.6	0.0
100	QPSK	1	137	17.31		18.6	0.0
100	QPSK	1	271	17.26		18.6	0.0
100	QPSK	135	0	17.09		18.6	0.0
100	QPSK	135	136	17.16		18.6	0.0
100	QPSK	270	0	17.18		18.6	0.0
100	16QAM	1	1	17.13		18.6	0.0
100	16QAM	1	1	17.29		18.6	0.0
100	16QAM	1	1	17.16		18.6	0.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	17.18	17.23	17.26	18.6
Channel							
Frequency (MHz)							
80	QPSK	1	1	17.30	17.25	17.28	18.6
Channel							
Frequency (MHz)							
70	QPSK	1	1	17.24	17.27	17.26	18.6
Channel							
Frequency (MHz)							
80	QPSK	1	1	17.32	17.25	17.24	18.6
Channel							
Frequency (MHz)							
80	QPSK	1	1	17.27	17.23	17.32	18.6
Channel							
Frequency (MHz)							
40	QPSK	1	1	17.19	17.17	17.20	18.6
Channel							
Frequency (MHz)							
30	QPSK	1	1	17.24	17.25	17.23	18.6
Channel							
Frequency (MHz)							
20	QPSK	1	1	17.31	17.16	17.26	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)	MPS (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		17.1	1.0		
100	16QAM	1	1	18.07	18.30	18.22					
100	16QAM	1	1	18.15	18.40	18.40					
Channel											
Frequency [MHz]											
90	QPSK	1	1	18.14	18.14	18.05		18.0	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	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	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	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	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	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	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	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)	MPS (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	18.45	18.67	18.50		20.1	0.0		
100	PIC2-BPSK	135	68	18.11	18.25	18.28					
100	PIC2-BPSK	135	134	18.16	18.16	18.63					
100	PIC2-BPSK	270	0	18.51	18.62	18.41		20.1	0.0		
100	QPSK	1	1	18.13	18.25	18.24					
100	QPSK	1	137	18.22	18.23	18.59					
100	QPSK	1	271	18.09	18.23	18.25		20.1	0.0		
100	QPSK	135	0	18.18	18.27	18.18					
100	QPSK	135	68	18.08	18.08	18.01					
100	QPSK	135	134	18.12	18.15	18.01		20.1	0.0		
100	QPSK	270	0	18.16	18.16	17.87					
100	16QAM	1	1	17.88	18.28	17.81		20.1	0.0		
100	16QAM	1	1	18.44	18.63	17.84					
100	16QAM	1	1	18.72	18.84	18.15					
Channel											
Frequency [MHz]											
90	QPSK	1	1	18.16	18.23	18.15		20.1	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	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	18.23	18.15		20.1	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	18.16	18.16	18.05		20.1	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	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	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	18.10	18.05		20.1	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	0.0		
20	QPSK	1	137	18.05	18.05	18.05					
20	QPSK	1	271	18.21	18.21	18.15					

Par270 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)	MPS (dB)				
Channel												
Frequency [MHz]												
100	PIC2-BPSK	1	1	18.16			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	18.01								
100	QPSK	135	134	18.05			17.1	0.0				
100	QPSK	270	0	18.08								
100	16QAM	1	1	18.08			17.1	0.0				
100	16QAM	1	1	18.43								
100	16QAM	1	1	18.11								
Channel												
Frequency [MHz]												
90	QPSK	1	1	18.05	18.0334	18.0388	17.1	0.0	MPS			
90	QPSK	1	137	18.06	18.07	18.06						
90	QPSK	1	271	18.05	18.05	18.05						
80	QPSK	1	1	18.06	18.0334	18.0405	17.1	0.0	MPS			
80	QPSK	1	137	18.06	18.06	18.06						
80	QPSK	1	271	18.06	18.05	18.05						
70	QPSK	1	1	18.05	18.0334	18.0405	17.1	0.0	MPS			
70	QPSK	1	137	18.05	18.05	18.05						
70	QPSK	1	271	18.05	18.05	18.05						
60	QPSK	1	1	18.08	18.0334	18.0405	17.1	0.0	MPS			
60	QPSK	1	137	18.08	18.08	18.08						
60	QPSK	1	271	18.08	18.08	18.08						
50	QPSK	1	1	18.06	18.0334	18.0405	17.1	0.0	MPS			
50	QPSK	1	137	18.06	18.06	18.06						
50	QPSK	1	271	18.06	18.06	18.06						
40	QPSK	1	1	18.04	18.0334	18.0405	17.1	0.0	MPS			
40	QPSK	1	137	18.04	18.04	18.04						
40	QPSK	1	271	18.04	18.04	18.04						
30	QPSK	1	1	18.05	18.0334	18.0405	17.1	0.0	MPS			
30	QPSK	1	137	18.05	18.05	18.05						
30	QPSK	1	271	18.05	18.05	18.05						
20	QPSK	1	1	18.04	18.0334	18.0405	17.1	0.0	MPS			
20	QPSK	1	137	18.04	18.04	18.04						
20	QPSK	1	271	18.04	18.04	18.04						

Part270 n78 Ant2_PC3 DS16 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Max Ch. / Freq.	Power Min Ch. / Freq.	Power High Ch. / Freq.	Tune-up time (dBm)	MFR (dB)	
Channel				635000					
Frequency (MHz)				34.00					
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	16QAM	1	1		15.75		17.1	0.0	
100	16QAM	1	1		15.75		17.1	0.0	
100	16QAM	1	1		15.56				
Channel				635000		635334		MFR	
Frequency (MHz)				64.00		64.00			
90	QPSK	1	1		16.12	16.13	16.20	17.1	0.0
Channel				649334		650000		MFR	
Frequency (MHz)				174.01		175.00	176.00		
80	QPSK	1	1		16.01	16.16	16.21	17.1	0.0
Channel				174934		175000		MFR	
Frequency (MHz)				373.0		375.0	376.0		
70	QPSK	1	1		16.05	16.19	16.31	17.1	0.0
Channel				174934		175000		MFR	
Frequency (MHz)				373.0		375.0	376.0		
60	QPSK	1	1		16.12	16.16	16.11	17.1	0.0
Channel				164934		165000		MFR	
Frequency (MHz)				164.00		165.00	166.00		
50	QPSK	1	1		16.09	16.16	16.14	17.1	0.0
Channel				164934		165000		MFR	
Frequency (MHz)				372.0		375.0	376.0		
40	QPSK	1	1		16.01	16.19	16.05	17.1	0.0
Channel				174934		175000		MFR	
Frequency (MHz)				373.0		375.0	376.0		
30	QPSK	1	1		16.08	16.16	16.02	17.1	0.0
Channel				164934		165000		MFR	
Frequency (MHz)				173.01		174.00	175.00		
20	QPSK	1	1		16.02	16.15	16.10	17.1	0.0

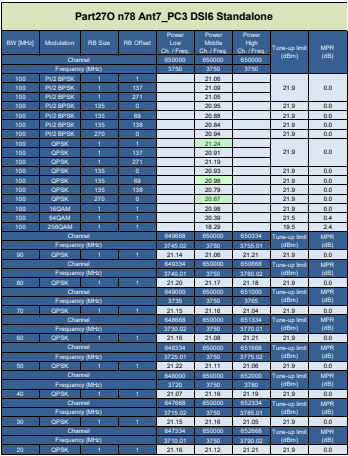
Part27Q n78_Ant_2_PC3 DS16 Simultaneous									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Max Ch. (Frac.)	Power High Ch. (Frac.)	Tune-up time (dBm)	MFR (dB)	
Channel				635334					
Frequency (MHz)				34.00					
100	PI2-BPSK	1	1		15.06				
100	PI2-BPSK	1	137		15.93		17.1	0.0	
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	16QAM	1	1		15.78		17.1	0.0	
100	16QAM	1	1		15.75		17.1	0.0	
100	256QAM	1	1		15.56				
Channel				635000		635334		MFR	
Frequency (MHz)				64.00		64.00			
90	QPSK	1	1		15.70	15.80	16.00	17.1	0.0
Channel				635000		635334		MFR	
Frequency (MHz)				164.00		165.00			
80	QPSK	1	1		15.67	15.95	16.00	17.1	0.0
Channel				164934		165000		MFR	
Frequency (MHz)				340.01		340.01	341.01		
70	QPSK	1	1		15.65	15.90	16.00	17.1	0.0
Channel				164934		165000		MFR	
Frequency (MHz)				340.01		340.01	341.01		
60	QPSK	1	1		15.65	15.90	16.00	17.1	0.0
Channel				164934		165000		MFR	
Frequency (MHz)				340.01		340.01	341.01		
50	QPSK	1	1		15.65	15.86	16.01	17.1	0.0
Channel				164934		165000		MFR	
Frequency (MHz)				340.01		340.01	341.01		
40	QPSK	1	1		15.62	15.91	16.01	17.1	0.0
Channel				174934		175000		MFR	
Frequency (MHz)				340.01		340.01	341.01		
30	QPSK	1	1		15.67	15.86	16.00	17.1	0.0
Channel				164934		165000		MFR	
Frequency (MHz)				174.01		175.00	176.00		
20	QPSK	1	1		15.70	15.82	16.00	17.1	0.0

Pa270 n77 Ant_7 PC3 D53 Standalone									
File Name	Modulation	RF Side	RF Offset	Power Low dBm/0dBm	Power High dBm/0dBm	Power High dBm/0dBm	Power High dBm/0dBm	Power High dBm/0dBm	MPE (dB)
Frequency Channel									
100	FSK400	1	1	21.06	21.06	20.20			0.0
100	FSK400	1	150	20.79	20.79	20.20	21.8		0.0
100	FSK400	1	300	20.79	20.79	20.20	21.8		0.0
100	FSK400	1500	0	20.79	20.79	20.20	21.8		0.0
100	FSK400	1500	150	20.79	20.79	20.20	21.8		0.0
100	FSK400	1500	300	20.79	20.79	20.20	21.8		0.0
100	FSK400	2250	0	20.80	20.80	20.22			0.0
100	FSK400	2250	150	20.80	20.80	20.22			0.0
100	QPSK	1	150	21.02	20.93	20.21	21.8		0.0
100	QPSK	1	300	21.02	20.93	20.21	21.8		0.0
100	QPSK	1500	0	20.78	20.78	20.20	21.8		0.0
100	QPSK	1500	150	20.78	20.78	20.20	21.8		0.0
100	QPSK	1500	300	20.78	20.78	20.20	21.8		0.0
100	QPSK	2250	0	20.82	20.87	20.20			0.0
100	QPSK	2250	150	20.82	20.87	20.20			0.0
100	QPSK	2250	300	20.82	20.87	20.20			0.0
100	QPSK	2250	450	20.82	20.87	20.20			0.0
100	QPSK	2250	600	20.82	20.87	20.20			0.0
100	QPSK	2250	750	20.82	20.87	20.20			0.0
100	QPSK	2250	900	20.82	20.87	20.20			0.0
100	QPSK	2250	1050	20.82	20.87	20.20			0.0
100	QPSK	2250	1200	20.82	20.87	20.20			0.0
100	QPSK	2250	1350	20.82	20.87	20.20			0.0
100	QPSK	2250	1500	20.82	20.87	20.20			0.0
100	QPSK	2250	1650	20.82	20.87	20.20			0.0
100	QPSK	2250	1800	20.82	20.87	20.20			0.0
100	QPSK	2250	1950	20.82	20.87	20.20			0.0
100	QPSK	2250	2100	20.82	20.87	20.20			0.0
100	QPSK	2250	2250	20.82	20.87	20.20			0.0
100	QPSK	2250	2400	20.82	20.87	20.20			0.0
100	QPSK	2250	2550	20.82	20.87	20.20			0.0
100	QPSK	2250	2700	20.82	20.87	20.20			0.0
100	QPSK	2250	2850	20.82	20.87	20.20			0.0
100	QPSK	2250	3000	20.82	20.87	20.20			0.0
100	QPSK	2250	3150	20.82	20.87	20.20			0.0
100	QPSK	2250	3300	20.82	20.87	20.20			0.0
100	QPSK	2250	3450	20.82	20.87	20.20			0.0
100	QPSK	2250	3600	20.82	20.87	20.20			0.0
100	QPSK	2250	3750	20.82	20.87	20.20			0.0
100	QPSK	2250	3900	20.82	20.87	20.20			0.0

Pa270 n77 Ant7_PC2 DCS2 Standalone										
RF MHz	Modulation	Channel	RF Chn	Channel ID	Power Level dBm	Power Margin dB	Power High dBm	Power Low dBm	Power Ratio dB	MPR (%)
Channel										
1500	PSK-QPSK	1	1	1	23.10	-24.00	23.20			0.0
1500	PSK-QPSK	1	129	23.08	-23.00	23.00	22.80	24.0	0.0	0.0
1500	PSK-QPSK	1	128	23.08	-23.00	23.00	22.80	24.0	0.0	0.0
1500	PSK-QPSK	150	0	23.30	-23.51	23.03	24.00	24.0	0.0	0.0
1500	PSK-QPSK	150	128	23.30	-23.51	23.03	24.00	24.0	0.0	0.0
1500	PSK-QPSK	150	129	23.25	-23.45	23.03	24.00	24.0	0.0	0.0
1500	PSK-QPSK	200	0	23.22	-23.35	23.27	24.00	24.0	0.0	0.0
1500	PSK-QPSK	200	128	23.25	-23.35	23.27	24.00	24.0	0.0	0.0
1500	QPSK	1	1	1	23.35	-23.25	23.27	24.0	0.0	0.0
1500	QPSK	1	129	23.35	-23.25	23.27	24.0	24.0	0.0	0.0
1500	QPSK	1	128	23.35	-23.25	23.27	24.0	24.0	0.0	0.0
1500	QPSK	150	0	23.30	-23.51	23.00	24.00	24.0	0.0	0.0
1500	QPSK	150	128	23.31	-23.50	23.00	24.00	24.0	0.0	0.0
1500	QPSK	150	129	23.31	-23.50	23.00	24.00	24.0	0.0	0.0
1500	QPSK	150	178	23.31	-23.50	23.00	24.00	24.0	0.0	0.0
1500	QPSK	200	0	23.27	-23.27	23.27	24.00	24.0	0.0	0.0
1500	QPSK	200	128	23.26	-23.26	23.26	24.00	24.0	0.0	0.0
1500	QPSK	200	129	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	178	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	179	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	180	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	181	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	182	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	183	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	184	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	185	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	186	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	187	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	188	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	189	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	190	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	191	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	192	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	193	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	194	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	195	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	196	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	197	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	198	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	199	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	200	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	201	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	202	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	203	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	204	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	205	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	206	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	207	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	208	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	209	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	210	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	211	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	212	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	213	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	214	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	215	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	216	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	217	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	218	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	219	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	220	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	221	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	222	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	223	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	224	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	225	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	226	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	227	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	228	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	229	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	230	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	231	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	232	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	233	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	234	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	235	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	236	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	237	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	238	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	239	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	240	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	241	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	242	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	243	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	244	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	245	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	246	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	247	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	248	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	249	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	250	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	251	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	252	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	253	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	254	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	255	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	256	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	257	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	258	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	259	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	260	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	261	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	262	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	263	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	264	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	265	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	266	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	267	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	268	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	269	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	270	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	271	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	272	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	273	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	274	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	275	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	276	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	277	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	278	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	279	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	280	23.43	-23.22	23.23	24.0	24.0	0.0	0.0
1500	QPSK	200	281	2						

Part2Q7 n77 Ant 7 PC3 D5316 Standalone							
BW [MHz]	Modulation	RB Size	RB Config	Power Line Ctx/Freq.	Power Line Data Ctx/Freq.	Power High Ctx/Freq.	Power High Data Ctx/Freq.
Frequency [MHz]							
100	QPSK	1	1	20.00	20.00	-	-
100	QPSK	1	137	20.00	20.00	21.9	0.0
100	QPSK	1	273	20.00	20.00	-	-
100	QPSK	135	0	20.00	20.00	21.9	0.0
100	QPSK	135	136	20.00	20.00	21.9	0.0
100	QPSK	135	138	20.00	20.00	21.9	0.0
100	QPSK	273	0	20.00	20.00	-	-
100	QPSK	273	1	20.00	20.00	-	-
100	QPSK	1	137	20.00	20.00	21.9	0.0
100	QPSK	1	273	20.00	20.00	-	-
100	QPSK	135	0	20.00	20.00	21.9	0.0
100	QPSK	135	136	20.00	20.00	21.9	0.0
100	QPSK	135	138	20.00	20.00	21.9	0.0
100	QPSK	273	0	20.00	20.00	-	-
100	QPSK	273	1	20.00	20.00	-	-
100	QPSK4Q	1	1	20.00	20.00	21.9	0.0
100	QPSK4Q	1	1	20.00	20.00	21.9	0.0
Channel							
100	QPSK	1	1	631500	631524	631668	631680
100	QPSK	1	1	20.00	21.18	20.98	21.9
Channel							
100	QPSK	1	1	631668	631684	631800	631812
100	QPSK	1	1	20.00	21.18	20.98	21.9
100	QPSK	1	1	631812	631828	631920	631932
100	QPSK	1	1	20.00	21.18	20.98	21.9
Frequency [MHz]							
100	QPSK	1	1	3445.60	3445.60	3550.16	3550.16
100	QPSK	1	1	3445.60	3445.60	3550.16	3550.16
Channel							
100	QPSK	1	1	631500	631516	631608	631620
100	QPSK	1	1	20.00	21.00	20.98	21.0
Frequency [MHz]							
100	QPSK	1	1	631668	631684	631752	631764
100	QPSK	1	1	20.00	21.00	20.98	21.0
Channel							
100	QPSK	1	1	631812	631828	631896	631908
100	QPSK	1	1	20.00	21.00	20.98	21.0
Frequency [MHz]							
100	QPSK	1	1	3445.60	3445.60	3550.16	3550.16
100	QPSK	1	1	3445.60	3445.60	3550.16	3550.16
Channel							
100	QPSK	1	1	631500	631516	631608	631620
100	QPSK	1	1	20.00	21.00	20.98	21.0
Frequency [MHz]							
100	QPSK	1	1	631668	631684	631752	631764
100	QPSK	1	1	20.00	21.00	20.98	21.0
Channel							
100	QPSK	1	1	631812	631828	631896	631908
100	QPSK	1	1	20.00	21.00	20.98	21.0
Frequency [MHz]							
100	QPSK	1	1	3445.60	3445.60	3550.16	3550.16
100	QPSK	1	1	3445.60	3445.60	3550.16	3550.16
Channel							
100	QPSK	1	1	631500	631516	631608	631620
100	QPSK	1	1	20.00	21.00	20.98	21.0
Frequency [MHz]							
100	QPSK	1	1	631668	631684	631752	631764
100	QPSK	1	1	20.00	21.00	20.98	21.0
Channel							
100	QPSK	1	1	631812	631828	631896	631908
100	QPSK	1	1	20.00	21.00	20.98	21.0
Frequency [MHz]							
100	QPSK	1	1	3445.60	3445.60	3550.16	3550.16
100	QPSK	1	1	3445.60	3445.60	3550.16	3550.16
Channel							
100	QPSK	1	1	631500	631516	631608	631620
100	QPSK	1	1	20.00	21.00	20.98	21.0
Frequency [MHz]							
100	QPSK	1	1	631668	631684	631752	631764
100	QPSK	1	1	20.00	21.00	20.98	21.0
Channel							
100	QPSK	1	1	631812	631828	631896	631908
100	QPSK	1	1	20.00	21.00	20.98	21.0
Frequency [MHz]							
100	QPSK	1	1	3445.60	3445.60	3550.16	3550.16
100	QPSK	1	1	3445.60	3445.60	3550.16	3550.16
Channel							
100	QPSK	1	1	631500	631516	631608	631620
100	QPSK	1	1	20.00	21.00	20.98	21.0
Frequency [MHz]							
100	QPSK	1	1	631668	631684	631752	631764
100	QPSK	1	1	20.00	21.00	20.98	21.0
Channel							
100	QPSK	1	1	631812	631828	631896	631908
100	QPSK	1	1	20.00	21.00	20.98	21.0
Frequency [MHz]							
100	QPSK	1	1	3445.60	3445.60	3550.16	3550.16
100	QPSK	1	1	3445.60	3445.60	3550.16	3550.16
Channel							
100	QPSK	1	1	631500	631516	631608	631620
100	QPSK	1	1	20.00	21.00	20.98	21.0
Frequency [MHz]							
100	QPSK	1	1	631668	631684	631752	631764
100	QPSK	1	1	20.00	21.00	20.98	21.0
Channel							
100	QPSK	1	1	631812	631828	631896	631908
100	QPSK	1	1	20.00	21.00	20.98	21.0
Frequency [MHz]							
100	QPSK	1	1	3445.60	3445.60	3550.16	3550.16
100	QPSK	1	1	3445.60	3445.60	3550.16	3550.16
Channel							
100	QPSK	1	1	631500	631516	631608	631620
100	QPSK	1	1	20.00	21.00	20.98	21.0
Frequency [MHz]							
100	QPSK	1	1	631668	631684	631752	631764
100	QPSK	1	1	20.00	21.00	20.98	21.0
Channel							
100	QPSK	1	1	631812	631828	631896	631908
100	QPSK	1	1	20.00	21.00	20.98	21.0
Frequency [MHz]							
100	QPSK	1	1	3445.60	3445.60	3550.16	3550.16
100	QPSK	1	1	3445.60	3445.60	3550.16	3550.16
Channel							
100	QPSK	1	1	631500	631516	631608	631620
100	QPSK	1	1	20.00	21.00	20.98	21.0
Frequency [MHz]							
100	QPSK	1	1	631668	631684	631752	631764
100	QPSK	1	1	20.00	21.00	20.98	21.0
Channel							
100	QPSK	1	1	631812	631828	631896	631908
100	QPSK	1	1	20.00	21.00	20.98	21.0
Frequency [MHz]							
100	QPSK	1	1	3445.60	3445.60	3550.16	3550.16
100	QPSK	1	1	3445.60	3445.60	3550.16	3550.16
Channel							
100	QPSK	1	1	631500	631516	631608	631620
100	QPSK	1	1	20.00	21.00	20.98	21.0
Frequency [MHz]							
100	QPSK	1	1	631668	631684	631752	631764
100	QPSK	1	1	20.00	21.00	20.98	21.0
Channel							
100	QPSK	1	1	631812	631828	631896	631908
100	QPSK	1	1	20.00	21.00	20.98	21.0
Frequency [MHz]							
100	QPSK	1	1	3445.60	3445.60	3550.16	3550.16
100	QPSK	1	1	3445.60	3445.60	3550.16	3550.16
Channel							
100	QPSK	1	1	631500	631516	631608	631620
100	QPSK	1	1	20.00	21.00	20.98	21.0
Frequency [MHz]							
100	QPSK	1	1	631668	631684	631752	631764
100	QPSK	1	1	20.00	21.00	20.98	21.0
Channel							
100	QPSK	1	1	631812	631828	631896	631908
100	QPSK	1	1	20.00	21.00	20.98	21.0
Frequency [MHz]							
100	QPSK	1	1	3445.60	3445.60	3550.16	3550.16
100	QPSK	1	1	3445.60	3445.60	3550.16	3550.16
Channel							
100	QPSK	1	1	631500	631516	631608	631620
100	QPSK	1	1	20.00	21.00	20.98	21.0
Frequency [MHz]							
100	QPSK	1	1	631668	631684	631752	631764
100	QPSK	1	1	20.00	21.00	20.98	21.0
Channel							
100	QPSK	1	1	631812	631828	631896	631908
100	QPSK	1	1	20.00	21.00	20.98	21.0
Frequency [MHz]							
100	QPSK	1	1	3445.60	3445.60	3550.16	3550.16
100	QPSK	1	1	3445.60	3445.60	3550.16	3550.16
Channel							
100	QPSK	1	1	631500	631516	631608	631620
100	QPSK	1	1	20.00	21.00	20.98	21.0
Frequency [MHz]							
100	QPSK	1	1	631668	631684	631752	631764
100	QPSK	1	1	20.00	21.00	20.98	21.0
Channel							
100	QPSK	1	1	631812	631828	631896	631908
100	QPSK	1	1	20.00	21.00	20.98	21.0
Frequency [MHz]							
100	QPSK	1	1	3445.60	3445.60	3550.16	3550.16
100	QPSK	1	1	3445.60	3445.60	3550.16	3550.16
Channel							
100	QPSK	1	1	631500	631516	631608	631620
100	QPSK	1	1	20.00	21.00	20.98	21.0
Frequency [MHz]							
100	QPSK	1	1	631668	631684	631752	631764
100	QPSK	1	1	20.00	21.00	20.98	21.0
Channel							
100	QPSK	1	1	631812	631828	631896	631908
100	QPSK	1	1	20.00	21.00	20.98	21.0
Frequency [MHz]							
100	QPSK	1	1	3445.60	3445.60	3550.16	3550.16
100	QPSK	1	1	3445.60	3445.60	3550.16	3550.16
Channel							
100	QPSK	1	1	631500	631516	631608	631620
100	QPSK	1	1	20.00	21.00	20.98	21.0
Frequency [MHz]							
100	QPSK	1	1	631668	631684	631752	631764
100	QPSK	1	1	20.00	21.00	20.98	21.0
Channel							
100	QPSK	1	1	631812	631828	631896	631908
100	QPSK	1	1	20.00	21.00	20.98	21.0
Frequency [MHz]							
100	QPSK	1	1	3445.60	3445.60	3550.16	3550.16
100	QPSK	1	1	3445.60	3445.60	3550.16	3550.16
Channel							
100	QPSK	1	1	631500	631516	631608	631620
100	QPSK	1	1	20.00	21.00	20.98	21.0
Frequency [MHz]							
100	QPSK	1	1	631668	631684	631752	631764
100	QPSK	1	1	20.00	21.00	20.98	21.0
Channel							
100	QPSK	1	1	631812	631828	631896	631908
100	QPSK	1	1	20.00	21.00	20.98	21.0
Frequency [MHz]							
100	QPSK	1	1	3445.60	3445.60	3550.16	3550.16
100	QPSK	1	1	3445.60	3445.60	3550.16	3550.16
Channel							
100	QPSK	1	1	631500	631516	631608	631620
100	QPSK	1	1	20.00	21.00	20.98	21.0
Frequency [MHz]							
100	QPSK	1	1	631668	631684	631752	631764
100	QPSK	1	1	20.00	21.00	20.98	21.0
Channel							
100	QPSK	1	1	631812	631828	631896	631908
100	QPSK	1	1	20.00	21.00	20.98	21.0
Frequency [MHz]							
100	QPSK	1	1	3445.60	3445.60	3550.16	3550.16
100	QPSK						

Part2Q7 n77 Ant 7 PC2 DSI258							
BW MHz	Modulation	File Size	File Offset	Power Line C/W (dBm)	Power Noise Floor (dBm)	Signal High C/W (dBm)	Speed (km/h)
				95.9334			
Frequency Mod.							
100	PSK 16QAM	150.05	1	24.05			
100	PSK 16QAM	1	137	23.95		24.9	0.0
100	PSK 16QAM	1	221	23.95		24.9	0.0
100	PSK 16QAM	185	0	23.42		24.8	0.0
100	PSK 16QAM	185	60	23.42		24.8	0.0
100	PSK 16QAM	185	126	23.24		24.8	0.0
100	PSK 16QAM	203	0	23.55		24.8	0.0
100	PSK 16QAM	203	60	23.55		24.8	0.0
QPSK							
100	QPSK	1	137	23.81		24.9	0.0
100	QPSK	1	221	23.81		24.9	0.0
100	QPSK	185	0	23.50		24.8	0.0
100	QPSK	185	60	23.50		24.8	0.0
100	QPSK	185	126	23.38		24.8	0.0
100	QPSK	203	0	23.50		24.8	0.0
100	QPSK	203	60	23.50		24.8	0.0
SSB4M							
100	SSB4M	1	137	24.30		24.9	0.0
100	SSB4M	1	221	24.30		24.9	0.0
Channel							
				631666	95.9334	636666	Forward speed
60	QPSK	1	1	23.97	23.66	24.35	24.9
				631666	95.9334	636666	Forward speed
				631666	95.9334	636666	Forward speed
60	QPSK	1	1	23.97	23.67	24.35	24.9
Frequency Mod.							
60	QPSK	150.05	1	23.97	23.67	24.35	24.9
				3445.61	3666.01	3650.01	Forward speed
				3445.61	3666.01	3650.01	Forward speed
Frequency Mod.							
60	QPSK	1	1	23.97	23.74	23.71	24.9
				631666	95.9334	636666	Forward speed
				631666	95.9334	636666	Forward speed
60	QPSK	1	1	23.98	23.74	23.74	24.9
Frequency Mod.							
60	QPSK	1	1	23.94	23.71	23.79	24.9
				3445.61	3666.01	3650.01	Forward speed
				3445.61	3666.01	3650.01	Forward speed
Frequency Mod.							
60	QPSK	1	1	23.97	23.67	24.35	24.9
				631666	95.9334	636666	Forward speed
				631666	95.9334	636666	Forward speed
60	QPSK	1	1	23.97	23.69	24.35	24.9



Part27Q n78 FCC Ant 7_Pc3 DS16 Standalone							
RF MHz	Modulation	RF Side	RF Offset	Power CW dBm	Power Peak dBm	Spurs dBc	MPF dB
Channel				61334	61334		
150	FSK	150	0	20.79	20.79		MPF
150	FSK	150	1	20.89	20.89	21.0	0.0
150	FSK	150	2	20.79	20.79		
150	FSK	150	0	20.74	20.74	21.0	0.0
150	FSK	150	1	20.89	20.89	21.0	0.0
150	FSK	150	2	20.74	20.74	21.0	0.0
150	FSK	2710	0	20.79	20.79		
150	FSK	2710	1	20.89	20.89	21.0	0.0
150	FSK	2710	2	20.79	20.79		
150	FSK	150	0	20.81	20.81	21.0	0.0
150	FSK	150	1	21.03	21.03	21.0	0.0
150	FSK	150	2	20.83	20.83	21.0	0.0
150	FSK	150	0	20.86	20.86	21.0	0.0
150	FSK	150	1	20.91	20.91	21.0	0.0
150	FSK	150	2	20.83	20.83	21.0	0.0
150	FSK	2710	0	20.75	20.75	21.0	0.0
150	FSK	2710	1	20.85	20.85	21.0	0.0
150	FSK	2710	2	20.75	20.75	21.0	0.0
150	FSK	150	0	20.54	20.54	21.0	0.0
150	FSK	150	1	20.63	20.63	21.0	0.0
Channel				61334	61334		
30	FSK	30	0	20.96	20.96	21.0	0.0
30	FSK	30	1	21.03	21.03	21.0	0.0
30	FSK	30	2	20.96	20.96	21.0	0.0
Channel				61350	61334		
30	FSK	30	0	20.99	21.09	20.94	21.0
30	FSK	30	1	21.03	21.13	21.0	0.0
30	FSK	30	2	20.99	21.09	21.0	0.0
Channel				61350	61334		
30	FSK	30	0	20.96	21.06	20.91	21.0
30	FSK	30	1	21.03	21.13	21.0	0.0
30	FSK	30	2	20.96	21.06	21.0	0.0
Channel				61350	61334		
30	FSK	30	0	20.96	21.06	20.91	21.0
30	FSK	30	1	21.03	21.13	21.0	0.0
30	FSK	30	2	20.96	21.06	21.0	0.0
Channel				61350	61334		
30	FSK	30	0	20.96	21.06	20.91	21.0
30	FSK	30	1	21.03	21.13	21.0	0.0
30	FSK	30	2	20.96	21.06	21.0	0.0
Channel				61350	61334		
30	FSK	30	0	20.96	21.06	20.91	21.0
30	FSK	30	1	21.03	21.13	21.0	0.0
30	FSK	30	2	20.96	21.06	21.0	0.0
Channel				61350	61334		
30	FSK	30	0	20.96	21.06	20.91	21.0
30	FSK	30	1	21.03	21.13	21.0	0.0
30	FSK	30	2	20.96	21.06	21.0	0.0
Channel				61350	61334		
30	FSK	30	0	20.96	21.06	20.91	21.0
30	FSK	30	1	21.03	21.13	21.0	0.0
30	FSK	30	2	20.96	21.06	21.0	0.0
Channel				61350	61334		
30	FSK	30	0	20.96	21.06	20.91	21.0
30	FSK	30	1	21.03	21.13	21.0	0.0
30	FSK	30	2	20.96	21.06	21.0	0.0
Channel				61350	61334		
30	FSK	30	0	20.96	21.06	20.91	21.0
30	FSK	30	1	21.03	21.13	21.0	0.0
30	FSK	30	2	20.96	21.06	21.0	0.0
Channel				61350	61334		
30	FSK	30	0	20.96	21.06	20.91	21.0
30	FSK	30	1	21.03	21.13	21.0	0.0
30	FSK	30	2	20.96	21.06	21.0	0.0
Channel				61350	61334		
30	FSK	30	0	20.96	21.06	20.91	21.0
30	FSK	30	1	21.03	21.13	21.0	0.0
30	FSK	30	2	20.96	21.06	21.0	0.0
Channel				61350	61334		
30	FSK	30	0	20.96	21.06	20.91	21.0
30	FSK	30	1	21.03	21.13	21.0	0.0
30	FSK	30	2	20.96	21.06	21.0	0.0
Channel				61350	61334		
30	FSK	30	0	20.96	21.06	20.91	21.0
30	FSK	30	1	21.03	21.13	21.0	0.0
30	FSK	30	2	20.96	21.06	21.0	0.0
Channel				61350	61334		
30	FSK	30	0	20.96	21.06	20.91	21.0
30	FSK	30	1	21.03	21.13	21.0	0.0
30	FSK	30	2	20.96	21.06	21.0	0.0
Channel				61350	61334		
30	FSK	30	0	20.96	21.06	20.91	21.0
30	FSK	30	1	21.03	21.13	21.0	0.0
30	FSK	30	2	20.96	21.06	21.0	0.0
Channel				61350	61334		
30	FSK	30	0	20.96	21.06	20.91	21.0
30	FSK	30	1	21.03	21.13	21.0	0.0
30	FSK	30	2	20.96	21.06	21.0	0.0
Channel				61350	61334		
30	FSK	30	0	20.96	21.06	20.91	21.0
30	FSK	30	1	21.03	21.13	21.0	0.0
30	FSK	30	2	20.96	21.06	21.0	0.0
Channel				61350	61334		
30	FSK	30	0	20.96	21.06	20.91	21.0
30	FSK	30	1	21.03	21.13	21.0	0.0
30	FSK	30	2	20.96	21.06	21.0	0.0
Channel				61350	61334		
30	FSK	30	0	20.96	21.06	20.91	21.0
30	FSK	30	1	21.03	21.13	21.0	0.0
30	FSK	30	2	20.96	21.06	21.0	0.0
Channel				61350	61334		
30	FSK	30	0	20.96	21.06	20.91	21.0
30	FSK	30	1	21.03	21.13	21.0	0.0
30	FSK	30	2	20.96	21.06	21.0	0.0
Channel				61350	61334		
30	FSK	30	0	20.96	21.06	20.91	21.0
30	FSK	30	1	21.03	21.13	21.0	0.0
30	FSK	30	2	20.96	21.06	21.0	0.0
Channel				61350	61334		
30	FSK	30	0	20.96	21.06	20.91	21.0
30	FSK	30	1	21.03	21.13	21.0	0.0
30	FSK	30	2	20.96	21.06	21.0	0.0
Channel				61350	61334		
30	FSK	30	0	20.96	21.06	20.91	21.0
30	FSK	30	1	21.03	21.13	21.0	0.0
30	FSK	30	2	20.96	21.06	21.0	0.0
Channel				61350	61334		
30	FSK	30	0	20.96	21.06	20.91	21.0
30	FSK	30	1	21.03	21.13	21.0	0.0
30	FSK	30	2	20.96	21.06	21.0	0.0
Channel				61350	61334		
30	FSK	30	0	20.96	21.06	20.91	21.0
30	FSK	30	1	21.03	21.13	21.0	0.0
30	FSK	30	2	20.96	21.06	21.0	0.0
Channel				61350	61334		
30	FSK	30	0	20.96	21.06	20.91	21.0
30	FSK	30	1	21.03	21.13	21.0	0.0
30	FSK	30	2	20.96	21.06	21.0	0.0
Channel				61350	61334		
30	FSK	30	0	20.96	21.06	20.91	21.0
30	FSK	30	1	21.03	21.13	21.0	0.0
30	FSK	30	2	20.96	21.06	21.0	0.0
Channel				61350	61334		
30	FSK	30	0	20.96	21.06	20.91	21.0
30	FSK	30	1	21.03	21.13	21.0	0.0
30	FSK	30	2	20.96	21.06	21.0	0.0
Channel				61350	61334		
30	FSK	30	0	20.96	21.06	20.91	21.0
30	FSK	30	1	21.03	21.13	21.0	0.0
30	FSK	30	2	20.96	21.06	21.0	0.0
Channel				61350	61334		
30	FSK	30	0	20.96	21.06	20.91	21.0
30	FSK	30	1	21.03	21.13	21.0	0.0
30	FSK	30	2	20.96	21.06	21.0	0.0
Channel				61350	61334		
30	FSK	30	0	20.96	21.06	20.91	21.0
30	FSK	30	1	21.03	21.13	21.0	0.0
30	FSK	30	2	20.96	21.06	21.0	0.0
Channel				61350	61334		
30	FSK	30	0	20.96	21.06	20.91	21.0
30	FSK	30	1	21.03	21.13	21.0	0.0
30	FSK	30	2	20.96	21.06	21.0	0.0
Channel				61350	61334		
30	FSK	30	0	20.96	21.06	20.91	21.0
30	FSK	30	1	21.03	21.13	21.0	0.0
30	FSK	30	2	20.96	21.06	21.0	0.0
Channel				61350	61334		
30	FSK	30	0	20.96	21.06	20.91	21.0
30	FSK	30	1	21.03	21.13	21.0	0.0
30	FSK	30	2	20.96	21.06	21.0	0.0
Channel				61350	61334		
30	FSK	30	0	20.96	21.06	20.91	21.0
30	FSK	30	1	21.03	21.13	21.0	0.0
30	FSK	30	2	20.96	21.06	21.0	0.0
Channel				61350	61334		
30	FSK	30	0	20.96	21.06	20.91	21.0
30	FSK	30	1	21.03	21.13	21.0	0.0
30	FSK	30	2	20.96	21.06	21.0	0.0
Channel				61350	61334		
30	FSK	30	0	20.96	21.06	20.91	21.0
30	FSK	30	1	21.03	21.13	21.0	0.0
30	FSK	30	2	20.96	21.06	21.0	0.0
Channel				61350	61334		
30	FSK	30	0	20.96	21.06	20.91	21.0
30	FSK	30	1	21.03	21.13	21.0	0.0
30	FSK	30	2	20.96	21.06	21.0	0.0
Channel				61350	61334		
30	FSK	30	0	20.96	21.06	20.91	21.0
30	FSK	30	1	21.03	21.13	21.0	0.0
30	FSK	30	2	20.96	21.06	21.0	0.0
Channel				61350	61334		
30	FSK	30	0	20.96	21.06	20.91	21.0
30	FSK	30	1	21.03	21.13	21.0	0.0
30	FSK	30	2	20.96	21.06	21.0	0.0
Channel				61350	61334		
30	FSK	30	0	20.96	21.06	20.91	21.0
30	FSK	30	1	21.03	21.13	21.0	0.0
30	FSK	30	2	20.96	21.06	21.0	0.0
Channel				61350	61334		
30	FSK	30	0	20.96	21.06	20.91	21.0
30	FSK	30	1	21.03	21.13	21.0	0.0
30	FSK	30	2	20.96	21.06	21.0	0.0
Channel				61350	61334		
30	FSK	30	0	20.96	21.06	20.91	21.0
30	FSK	30	1	21.03	21.13	21.0	0.0
30	FSK	30	2	20.96	21.06	21.0	



Par270 n77 Ant2_PC3 DS16 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 [Freq.]	Power Media Ch.1 [Freq.]	Power High Ch.1 [Freq.]	Turnup time (dBm)	MFR (dB)	
Channel									
Frequency [MHz]									
100	PIC2-BPSK	1	1	19.52	19.55	19.58			
100	PIC2-BPSK	1	137	19.33	19.37	19.40	20.4	0.0	
100	PIC2-BPSK	1	271	19.42	19.52	19.55			
100	PIC2-BPSK	135	0	19.29	19.44	19.38	20.4	0.0	
100	PIC2-BPSK	135	68	19.24	19.36	19.30	20.4	0.0	
100	PIC2-BPSK	135	138	19.39	19.38	19.32	20.4	0.0	
100	PIC2-BPSK	270	0	19.34	19.41	19.35			
100	QPSK	1	1	19.54	19.55	19.55			
100	QPSK	1	137	19.54	19.40	19.42	20.4	0.0	
100	QPSK	1	271	19.49	19.60	19.57			
100	QPSK	135	0	19.32	19.30	19.37	20.4	0.0	
100	QPSK	135	68	19.29	19.40	19.36	20.4	0.0	
100	QPSK	135	138	19.34	19.30	19.35	20.4	0.0	
100	QPSK	270	0	19.37	19.36	19.35			
100	8QAM	1	1	19.50	19.49	19.57	20.4	0.0	
100	8QAM	1	1	19.51	19.84	19.58	20.4	0.0	
100	8QAM	1	1	19.53	19.52	19.53	20.4	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	19.52	19.58	19.45	20.4	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	19.43	19.38	19.40	20.4	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	19.51	19.73	19.51	20.4	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	19.47	19.54	19.49	20.4	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	19.54	19.81	19.49	20.4	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	19.45	19.88	19.50	20.4	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	19.42	19.88	19.49	20.4	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	19.40	19.63	19.47	20.4	0.0	

Par270 n77 Ant2_PC2 DS16 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 [Freq.]	Power Media Ch.1 [Freq.]	Power High Ch.1 [Freq.]	Turn-up time (dBm)	MFR (dB)	
Channel									
Frequency [MHz]									
100	PIC2-BPSK	1	1	22.38	22.43	22.28			
100	PIC2-BPSK	1	137	22.42	22.33	22.29	23.4	0.0	
100	PIC2-BPSK	1	271	22.22	22.43	22.32			
100	PIC2-BPSK	135	0	21.77	21.85	21.83	23.4	0.0	
100	PIC2-BPSK	135	68	22.11	22.57	22.29	23.4	0.0	
100	PIC2-BPSK	135	138	21.80	21.76	21.71	23.4	0.0	
100	PIC2-BPSK	270	0	21.81	21.75	21.67	23.4	0.0	
100	QPSK	1	1	22.33	22.65	22.43			
100	QPSK	1	137	22.38	22.38	22.27	23.4	0.0	
100	QPSK	1	271	22.20	22.23	22.34			
100	QPSK	135	0	22.30	22.28	22.29	23.4	0.0	
100	QPSK	135	68	22.34	22.50	22.37	23.4	0.0	
100	QPSK	135	138	22.38	22.30	21.97	23.4	0.0	
100	QPSK	270	0	21.20	21.23	21.08	23.4	0.0	
100	16QAM	1	1	21.50	21.73	21.56	23.4	0.0	
100	16QAM	1	1	21.49	21.87	21.51	23.4	0.0	
100	16QAM	1	1	20.93	21.11	21.01	23.4	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	22.37	22.50	22.51	23.4	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	22.34	22.43	22.29	23.4	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	22.43	22.49	22.21	23.4	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	22.33	22.44	22.19	23.4	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	22.39	22.42	22.21	23.4	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	22.31	22.63	22.21	23.4	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	22.28	22.58	22.28	23.4	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	22.30	22.44	22.26	23.4	0.0	

Part27Q n77_Ant 7_PC3 DS16 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 [Freq.]	Power Media Ch.1 [Freq.]	Power High Ch.1 [Freq.]	Turn-up time (dBm)	MFR (dB)	
Channel									
Frequency [MHz]									
100	PIC2-BPSK	1	1	19.35					
100	PIC2-BPSK	1	137	19.47			20.4	0	0.0
100	PIC2-BPSK	1	271	19.42					
100	PIC2-BPSK	135	0	19.31			20.4	0	0.0
100	PIC2-BPSK	135	68	19.39			20.4	0	0.0
100	PIC2-BPSK	135	138	19.29			20.4	0	0.0
100	PIC2-BPSK	270	0	19.30			20.4	0	0.0
100	QPSK	1	1	19.47			20.4	0	0.0
100	QPSK	1	137	19.42					
100	QPSK	1	271	19.44					
100	QPSK	135	0	19.41			20.4	0	0.0
100	QPSK	135	68	19.46			20.4	0	0.0
100	QPSK	135	138	19.37			20.4	0	0.0
100	QPSK	270	0	19.34			20.4	0	0.0
100	16QAM	1	1	19.40			20.4	0	0.0
100	16QAM	1	1	19.28			20.4	0	0.0
100	16QAM	1	1	19.30			20.4	0	0.0
Channel									
Frequency [MHz]									
50	QPSK	1	1	19.34	19.43	19.42	20.4	0	0.0
Channel									
Frequency [MHz]									
80	QPSK	1	1	19.32	19.36	19.38	20.4	0	0.0
Channel									
Frequency [MHz]									
70	QPSK	1	1	19.28	19.43	19.40	20.4	0	0.0
Channel									
Frequency [MHz]									
60	QPSK	1	1	19.38	19.51	19.50	20.4	0	0.0
Channel									
Frequency [MHz]									
50	QPSK	1	1	19.33	19.45	19.48	20.4	0	0.0
Channel									
Frequency [MHz]									
40	QPSK	1	1	19.38	19.51	19.50	20.4	0	0.0
Channel									
Frequency [MHz]									
30	QPSK	1	1	19.32	19.50	19.48	20.4	0	0.0
Channel									
Frequency [MHz]									
20	QPSK	1	1	19.32	19.50	19.50	20.4	0	0.0

Part27Q n77_Ant 7_PC2 DS16 Simultaneous									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 [dBm]	Power Media Ch.1 [dBm]	Power High Ch.1 [dBm]	Turn-up time (dBm)	MFR (dB)	
Channel									
Frequency [MHz]									
100	PIC2-BPSK	1	1	22.47					
100	PIC2-BPS	1	157	22.47			23.4	0.0	
100	PIC2-BPSK	1	158	22.47					
100	PIC2-BPSK	156	0	21.84			23.4	0.0	
100	PIC2-BPS	156	156	21.86			23.4	0.0	
100	PIC2-BPSK	2710	0	21.77			23.4	0.0	
100	QPSK	1	157	22.23			23.4	0.0	
100	QPSK	1	158	22.21					
100	QPSK	156	0	22.01			23.4	0.0	
100	QPSK	156	156	21.76			23.4	0.0	
100	QPSK	2710	0	21.71			23.4	0.0	
100	QPSK	30240	1	21.43			23.4	0.0	
100	QPSK	1	1	22.10			23.4	0.0	
100	QPSK	1	1	22.01			23.4	0.0	
Channel				93406	93434	93434	Turn-up time	MFR	
100	QPSK	1	1	22.45	22.36	22.35	23.4	0.0	
Channel				93406	93434	93434	Turn-up time	MFR	
100	QPSK	1	1	22.45	22.36	22.35	23.4	0.0	
50	QPSK	1	1	22.55	22.35	22.45	23.4	0.0	
50	QPSK	1	1	22.55	22.35	22.45	23.4	0.0	
Frequency [MHz]									
50	QPSK	1	1	22.55	22.35	22.45	23.4	0.0	
Channel				93410	93438	93438	Turn-up time	MFR	
50	QPSK	1	1	22.55	22.35	22.45	23.4	0.0	
Channel				93410	93438	93438	Turn-up time	MFR	
50	QPSK	1	1	22.55	22.35	22.45	23.4	0.0	
50	QPSK	1	1	22.55	22.35	22.45	23.4	0.0	
Frequency [MHz]									
50	QPSK	1	1	22.55	22.35	22.45	23.4	0.0	
Channel				93408	93436	93436	Turn-up time	MFR	
50	QPSK	1	1	22.55	22.35	22.45	23.4	0.0	
Channel				93408	93436	93436	Turn-up time	MFR	
50	QPSK	1	1	22.55	22.35	22.45	23.4	0.0	

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	1197	19.46			20.4	0.0
100	PLC BPSK	1	2191	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	1197	19.36			20.4	0.0
100	QPSK	1	2191	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	19.45			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	1197	19.47			20.4	0.0
100	PLC BPSK	1	2191	19.43				
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	1197	19.28			20.4	0.0
100	QPSK	1	2191	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	19.25	19.29	19.26	20.4	0.0
Channel								
Frequency [MHz]								
70	QPSK	1	1	19.20	19.41	19.19	20.4	0.0
Channel								
Frequency [MHz]								
60	QPSK	1	1	19.23	19.43	19.33	20.4	0.0
Channel								
Frequency [MHz]								
50	QPSK	1	1	19.31	19.33	19.36	20.4	0.0
Channel								
Frequency [MHz]								
40	QPSK	1	1	19.29	19.42	19.28	20.4	0.0
Channel								
Frequency [MHz]								
30	QPSK	1	1	19.36	19.34	19.29	20.4	0.0
Channel								
Frequency [MHz]								
20	QPSK	1	1	19.35	19.32	19.36	20.4	0.0

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

Par270 n77 Ant 3_PC3							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. [dBm]	Power Media Ch. Freq. [dBm]	Power High Ch. Freq. [dBm]	Time-up time (dBm)
Channel							
100	Frequency (MHz)			860000	860000	860000	
100	PI2 BPSK	1	1	22.87	22.78	22.68	
100	PI2 BPSK	1	137	22.82	22.83	22.88	24.0
100	PI2 BPSK	1	211	22.92	22.90	22.73	
100	PI2 BPSK	135	0	22.93	22.81	22.62	24.0
100	PI2 BPSK	135	68	22.71	22.70	22.51	24.0
100	PI2 BPSK	135	138	22.82	22.80	22.78	24.0
100	PI2 BPSK	210	0	22.95	22.78	22.64	
100	QPSK	1	1	22.95	22.95	22.85	
100	QPSK	1	137	22.74	22.79	22.68	24.0
100	QPSK	1	211	22.78	23.02	22.83	
100	QPSK	135	0	22.97	22.89	22.80	24.0
100	QPSK	135	68	22.85	22.70	22.61	24.0
100	QPSK	135	138	22.86	22.70	22.69	24.0
100	QPSK	210	0	22.82	22.88	22.56	
100	IS413A	1	1	22.82	22.85	22.52	24.0
100	IS413A	1	1	21.84	21.88	21.87	24.0
100	IS413A	1	1	19.81	19.87	19.86	24.0
100	IS413A	1	1	18.81	18.87	18.86	24.0
Channel							
100	Frequency (MHz)			860000	860000	860000	
80	QPSK	1	1	22.79	22.77	22.67	24.0
Channel							
80	Frequency (MHz)			860000	860000	860000	
80	QPSK	1	1	22.82	22.81	22.82	24.0
Channel							
70	QPSK	1	1	22.74	22.78	22.67	24.0
Channel							
70	QPSK	1	1	22.74	22.78	22.67	24.0
Channel							
60	QPSK	1	1	22.70	22.70	22.67	24.0
Channel							
60	QPSK	1	1	22.70	22.70	22.67	24.0
Channel							
50	QPSK	1	1	22.70	22.68	22.61	24.0
Channel							
50	QPSK	1	1	22.70	22.68	22.61	24.0
Channel							
40	QPSK	1	1	22.81	22.84	22.81	24.0
Channel							
40	QPSK	1	1	22.81	22.84	22.81	24.0
Channel							
30	QPSK	1	1	22.79	22.79	22.72	24.0
Channel							
30	QPSK	1	1	22.74	22.74	22.67	24.0
Channel							
20	QPSK	1	1	22.74	22.80	22.51	24.0

Par270 n77 Ant 3_PC2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. [dBm]	Power Media Ch. Freq. [dBm]	Power High Ch. Freq. [dBm]	Time-up time (dBm)
Channel							
100	Frequency (MHz)			860000	860000	860000	
100	PI2 BPSK	1	1	25.84	25.85	25.89	
100	PI2 BPSK	1	137	25.85	25.71	25.88	27.0
100	PI2 BPSK	1	211	25.77	25.58	25.89	
100	PI2 BPSK	135	0	25.29	25.25	25.32	26.5
100	PI2 BPSK	135	68	25.72	25.46	25.71	27.0
100	PI2 BPSK	135	138	25.35	25.41	25.21	26.5
100	PI2 BPSK	210	0	25.85	25.42	25.81	26.5
100	QPSK	1	1	25.85	25.85	25.81	
100	QPSK	1	137	25.79	25.78	25.87	27.0
100	QPSK	1	211	25.84	25.87	25.81	
100	QPSK	135	0	24.84	24.88	24.79	26.5
100	QPSK	135	68	25.85	25.70	25.81	27.0
100	QPSK	135	138	24.71	24.88	24.83	26.5
100	QPSK	210	0	24.77	24.88	24.80	26.5
100	IS413A	1	1	25.85	25.87	25.85	27.0
100	IS413A	1	1	23.45	23.53	23.44	26.0
100	IS413A	1	1	21.24	21.30	21.28	25.0
Channel							
100	Frequency (MHz)			860000	860000	860000	
80	QPSK	1	1	25.50	25.76	25.79	27.0
Channel							
80	Frequency (MHz)			860000	860000	860000	
80	QPSK	1	1	25.50	25.76	25.72	27.0
Channel							
70	QPSK	1	1	25.49	25.76	25.71	27.0
Channel							
70	QPSK	1	1	25.49	25.76	25.71	27.0
Channel							
60	QPSK	1	1	25.52	25.74	25.70	27.0
Channel							
60	QPSK	1	1	25.52	25.74	25.70	27.0
Channel							
50	QPSK	1	1	25.68	25.68	25.68	27.0
Channel							
50	QPSK	1	1	25.68	25.68	25.68	27.0
Channel							
40	QPSK	1	1	25.82	25.83	25.74	27.0
Channel							
40	QPSK	1	1	25.82	25.83	25.74	27.0
Channel							
30	QPSK	1	1	25.84	25.84	25.84	27.0
Channel							
30	QPSK	1	1	25.84	25.84	25.84	27.0
Channel							
20	QPSK	1	1	25.85	25.85	25.85	27.0

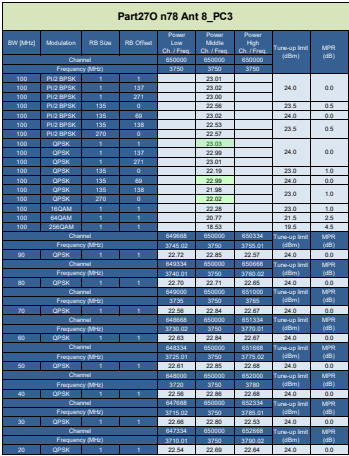
Par270 n77 Ant 3_PC3							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. [dBm]	Power Media Ch. Freq. [dBm]	Power High Ch. Freq. [dBm]	Time-up time (dBm)
Channel							
100	Frequency (MHz)			860000	860000	860000	
100	PI2 BPSK	1	1	22.69			
100	PI2 BPSK	1	137	22.55			24.0
100	PI2 BPSK	1	211	22.75			
100	PI2 BPSK	135	0	22.49			24.0
100	PI2 BPSK	135	68	22.64			24.0
100	PI2 BPSK	135	138	22.64			24.0
100	PI2 BPSK	210	0	22.69			24.0
100	QPSK	1	1	22.69			24.0
100	QPSK	1	137	22.55			24.0
100	QPSK	1	211	22.67			
100	QPSK	135	0	22.49			24.0
100	QPSK	135	68	22.64			24.0
100	QPSK	135	138	22.64			24.0
100	QPSK	210	0	22.69			24.0
100	IS413A	1	1	22.69			24.0
100	IS413A	1	1	21.77			23.0
100	IS413A	1	1	19.67			21.0
Channel							
100	Frequency (MHz)			860000	860000	860000	
80	QPSK	1	1	22.61	22.86	22.86	24.0
Channel							
80	Frequency (MHz)			860000	860000	860000	
80	QPSK	1	1	22.63	22.70	22.55	24.0
Channel							
70	QPSK	1	1	22.53	22.61	22.53	24.0
Channel							
70	QPSK	1	1	22.53	22.61	22.53	24.0
Channel							
60	QPSK	1	1	22.60	22.70	22.57	24.0
Channel							
60	QPSK	1	1	22.60	22.70	22.57	24.0
Channel							
50	QPSK	1	1	22.45	22.64	22.64	24.0
Channel							
50	QPSK	1	1	22.45	22.64	22.64	24.0
Channel							
40	QPSK	1	1	22.59	22.65	22.61	24.0
Channel							
40	QPSK	1	1	22.59	22.65	22.61	24.0
Channel							
30	QPSK	1	1	22.43	22.43	22.43	24.0
Channel							
30	QPSK	1	1	22.43	22.43	22.43	24.0
Channel							
20	QPSK	1	1	22.58	22.80	22.42	24.0

Par270 n77 Ant 3_PC2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. [dBm]	Power Media Ch. Freq. [dBm]	Power High Ch. Freq. [dBm]	Time-up time (dBm)
Channel							
100	Frequency (MHz)			860000	860000	860000	
100	PI2 BPSK	1	1	25.88			
100	PI2 BPSK	1	137	25.87			27.0
100	PI2 BPSK	1	211	25.88			
100	PI2 BPSK	135	0	25.19			26.5
100	PI2 BPSK	135	68	25.78			27.0
100	PI2 BPSK	135	138	25.28			26.5
100	PI2 BPSK	210	0	25.88			26.5
100	QPSK	1	1	25.88			27.0
100	QPSK	1	137	25.85			27.0
100	QPSK	1	211	25.81			
100	QPSK	135	0	24.89			26.5
100	QPSK	135	68	25.84			27.0
100	QPSK	135	138	24.88			26.5
100	QPSK	210	0	24.76			26.5
100	IS413A	1	1	25.88			26.5
100	IS413A	1	1	23.48			25.0
100	IS413A	1	1	21.32			22.0
Channel							
100	Frequency (MHz)			860000	860000	860000	
80	QPSK	1	1	25.50	25.87	25.87	27.0

Part270 n78 Ant_3_PC3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq. (MHz)	Power Max Ch./Freq. (MHz)	Power High Ch./Freq. (MHz)	Turnup time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)				3740	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	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	SSB4M	1	1	21.80			23.0	1.0	
100	SSB4M	1	1	20.38			21.5	2.0	
100	SSB4M	1	1	18.08			19.5	4.5	
Channel									
Frequency (MHz)				849898	850000	850208	Turn-up time (dBm)	MFR	
Channel				849898	850000	850208	Turn-up time (dBm)	MFR	
50	QPSK	1	1	22.59	22.76	22.59	24.0	0.0	
Channel									
Frequency (MHz)				849334	850000	850666	Turn-up time (dBm)	MFR	
80	QPSK	1	1	22.62	22.74	22.49	24.0	0.0	
Channel									
Frequency (MHz)				849334	850000	850666	Turn-up time (dBm)	MFR	
70	QPSK	1	1	22.62	22.67	22.56	24.0	0.0	
Channel									
Frequency (MHz)				849334	850000	850666	Turn-up time (dBm)	MFR	
60	QPSK	1	1	22.62	22.73	22.61	24.0	0.0	
Channel									
Frequency (MHz)				849334	850000	850666	Turn-up time (dBm)	MFR	
50	QPSK	1	1	22.59	22.74	22.57	24.0	0.0	
Channel									
Frequency (MHz)				849334	850000	850200	Turn-up time (dBm)	MFR	
40	QPSK	1	1	22.48	22.70	22.49	24.0	0.0	
Channel									
Frequency (MHz)				849334	850000	850666	Turn-up time (dBm)	MFR	
30	QPSK	1	1	22.48	22.70	22.47	24.0	0.0	
Channel									
Frequency (MHz)				849334	850000	850666	Turn-up time (dBm)	MFR	
20	QPSK	1	1	22.37	22.61	22.57	24.0	0.0	

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)				833050					
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	21.85					
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	SSB4M	1	1	21.80		23.0		1.0	
100	SSB4M	1	1	20.25		21.5		2.5	
100	SSB4M	1	1	17.87		19.5		4.5	
Channel									
Frequency (MHz)				833050		833058		833066	
Channel									
Frequency (MHz)				833050		833058		833066	
50	QPSK	1	1	22.54		22.77		24.0	
Channel									
Frequency (MHz)				833050		833058		833066	
80	QPSK	1	1	22.50		22.75		22.41	
Channel									
Frequency (MHz)				8488.01		8488.01		8488.01	
70	QPSK	1	1	22.63		22.76		23.5	
Channel									
Frequency (MHz)				833050		833058		833066	
60	QPSK	1	1	22.44		22.71		24.0	
Channel									
Frequency (MHz)				833050		833058		833066	
50	QPSK	1	1	22.58		22.72		22.42	
Channel									
Frequency (MHz)				833050		833058		833066	
40	QPSK	1	1	22.53		22.69		24.0	
Channel									
Frequency (MHz)				833050		833058		833066	
30	QPSK	1	1	22.62		22.76		24.0	
Channel									
Frequency (MHz)				833050		833058		833066	
20	QPSK	1	1	22.48		22.71		24.0	

Par270 n77 Ant 8_PC3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.1 (W)	Power Max Ch.1 (W)	Power High Ch.1 (W)	Time-up loss (dBm)
Channel							
Frequency (MHz)							
100	PI2 BPSK	1	1	22.76	22.96	22.85	
100	PI2 BPSK	1	137	22.82	22.84	22.89	24.0
100	PI2 BPSK	1	271	22.83	22.85	22.85	
100	PI2 BPSK	135	0	22.76	22.87	22.81	24.0
100	PI2 BPSK	135	66	22.71	22.81	22.72	24.0
100	PI2 BPSK	135	138	22.72	22.76	22.69	24.0
100	PI2 BPSK	270	0	22.88	22.82	22.76	
100	QPSK	1	1	22.92	22.95	22.95	
100	QPSK	1	137	22.89	22.82	22.89	24.0
100	QPSK	1	271	22.88	22.93	22.95	
100	QPSK	135	0	22.84	22.82	22.79	24.0
100	QPSK	135	66	22.71	22.86	22.74	24.0
100	QPSK	135	138	22.69	22.77	22.64	24.0
100	QPSK	270	0	22.74	22.84	22.86	
100	16QAM	1	1	22.86	22.74	22.66	24.0
100	64QAM	1	1	21.84	21.68	21.61	23.0
100	256QAM	1	1	20.43	20.70	20.49	21.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	22.82	22.96	22.71	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.89	22.96	22.82	24.0
Channel							
Frequency (MHz)							
70	QPSK	1	1	22.75	22.89	22.79	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.77	22.82	22.83	24.0
Channel							



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	23.43	23.46		
100	PSK-BPSK	156	0	23.43	23.46	24.1	0.0
100	PSK-BPSK	156	136	23.43	23.46		
100	PSK-BPSK	213	0	23.57	23.60	23.5	0.0
100	PSK-BPSK	213	0	23.57	23.60		
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	23.30		
100	QPSK	156	0	23.27	23.30	24.1	0.0
100	QPSK	156	136	23.26	23.29		
100	QPSK	213	0	23.58	23.61	23.5	0.0
100	QPSK	213	0	23.58	23.61		
100	8QAM	1	1	26.72	26.75	26.1	2.0
100	8QAM	1	1	26.72	26.75		
Channel				93.500	93.534	93.568	
Frequency (MHz)				93.500		Time-up [s]	100%
90	QPSK	1	1	22.80	22.79	22.83	0.0
90	QPSK	1	1	22.80	22.79	22.83	0.0
Channel				93.568	93.534	93.500	
Frequency (MHz)				93.568		Time-up [s]	100%
90	QPSK	1	1	22.81	22.83	22.85	24.1
90	QPSK	1	1	22.81	22.83	22.85	24.1
Channel				93.534	93.500	93.568	
Frequency (MHz)				93.534		Time-up [s]	100%
90	QPSK	1	1	22.79	22.79	22.81	0.0
90	QPSK	1	1	22.79	22.79	22.81	0.0
Channel				93.500	93.534	93.568	
Frequency (MHz)				93.500		Time-up [s]	100%
90	QPSK	1	1	22.80	22.80	22.81	24.1
90	QPSK	1	1	22.80	22.80	22.81	24.1
Channel				93.568	93.534	93.500	
Frequency (MHz)				93.568		Time-up [s]	100%
90	QPSK	1	1	22.79	22.79	22.79	24.1
90	QPSK	1	1	22.79	22.79	22.79	24.1
Channel				93.534	93.500	93.568	
Frequency (MHz)				93.534		Time-up [s]	100%
90	QPSK	1	1	22.77	22.77	22.80	24.1
90	QPSK	1	1	22.77	22.77	22.80	24.1
Channel				93.500	93.534	93.568	
Frequency (MHz)				93.500		Time-up [s]	100%
90	QPSK	1	1	22.80	22.77	22.79	24.1
90	QPSK	1	1	22.80	22.77	22.79	24.1



Reduced Power Level for SRS

Par270 n77 Ant8_PC3 DSIS											
BW (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	PUSC BPSK	1	1	18.28	17.81	17.67		18.2	0.0		
100	PUSC BPSK	1	137	17.87	18.05	17.97					
100	PUSC BPSK	1	271	18.03	18.10	18.01		18.2	0.0		
100	PUSC BPSK	135	0	17.88	17.95	18.03					
100	PUSC BPSK	135	89	17.88	17.83	18.05		18.2	0.0		
100	PUSC BPSK	135	138	17.85	17.85	18.01					
100	PUSC BPSK	270	0	17.87	17.81	18.00		18.2	0.0		
100	QPSK	1	1	18.00	18.01	18.00					
100	QPSK	1	137	17.81	18.01	17.98		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	89	17.85	17.88	17.88					
100	QPSK	135	138	17.81	17.85	17.85		18.2	0.0		
100	QPSK	270	0	17.88	17.81	17.88					
100	16QAM	1	1	17.88	17.88	17.88		18.2	0.0		
100	16QAM	1	1	18.05	18.05	18.05					
100	256QAM	1	1	17.88	17.88	17.88		18.2	0.0		
Channel											
Frequency (MHz)											
80	QPSK	1	1	18.06	17.89	18.03	Time-up time (min)			18.2	MPE
80	Channel			18.034	18.000	18.068	Time-up time (min)				
80	QPSK	1	1	17.84	17.84	18.00		18.2	0.0		
80	Channel			17.819	17.801	17.931	Time-up time (min)				
80	QPSK	1	1	17.89	17.88	17.87		18.2	0.0		
80	Channel			18.000	18.000	18.000	Time-up time (min)				
70	QPSK	1	1	17.84	17.88	17.88		18.2	0.0		
70	Channel			18.008	18.000	18.000	Time-up time (min)				
60	QPSK	1	1	18.00	17.85	17.88		18.2	0.0		
60	Channel			18.010	18.000	18.000	Time-up time (min)				
50	QPSK	1	1	17.82	17.81	18.00		18.2	0.0		
50	Channel			18.000	18.000	18.000	Time-up time (min)				
40	QPSK	1	1	17.85	17.87	17.85		18.2	0.0		
40	Channel			18.008	18.000	18.004	Time-up time (min)				
30	QPSK	1	1	17.89	17.87	17.88		18.2	0.0		
30	Channel			18.014	18.000	18.007	Time-up time (min)				
20	QPSK	1	1	17.82	17.85	18.00		18.2	0.0		
20	Channel			18.010	18.000	18.000	Time-up time (min)				

Par270 n77 Ant8_PC2 DSIS												
BW (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	PUSC BPSK	1	1	19.28	19.22	19.21	21.2	0.0				
100	PUSC BPSK	1	137	19.32	19.28	19.32						
100	PUSC BPSK	1	271	19.30	19.21	19.25	21.2	0.0				
100	PUSC BPSK	135	0	19.24	19.25	19.25						
100	PUSC BPSK	135	89	19.27	19.28	19.29	21.2	0.0				
100	PUSC BPSK	135	138	19.30	19.22	19.28						
100	PUSC 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	89	19.21	19.38	19.24						
100	QPSK	135	138	19.28	19.26	19.23	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	19.38	19.38						
100	256QAM	1	1	19.38	19.29	19.40	21.2	0.0				
Channel				19.408	19.300	19.334				Time-up time (min)		
Channel												
Frequency (MHz)												
80	QPSK	1	1	19.21	19.26	19.23	21.2	0.0				
Channel				19.434	19.400	19.408				Time-up time (min)		
80	QPSK	1	1	19.24	19.40	19.20	21.2	0.0				
Channel				19.411	19.400	19.400				Time-up time (min)		
70	QPSK	1	1	19.24	19.23	19.21	21.2	0.0				
Channel				19.400	19.400	19.400				Time-up time (min)		
60	QPSK	1	1	19.21	19.34	19.33	21.2	0.0				
Channel				19.410	19.400	19.404				Time-up time (min)		
50	QPSK	1	1	19.27	19.23	19.28	21.2	0.0				
Channel				19.400	19.400	19.400				Time-up time (min)		
40	QPSK	1	1	19.32	19.25	19.31	21.2	0.0				
Channel				19.408	19.400	19.404				Time-up time (min)		
30	QPSK	1	1	19.28	19.28	19.27	21.2	0.0				
Channel				19.414	19.400	19.406				Time-up time (min)		
20	QPSK	1	1	19.25	19.28	19.23	21.2	0.0				
Channel				19.410	19.400	19.400				Time-up time (min)		

Part27Q n77_Ant 8_PC3 DSIS												
BW (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	PUSC BPSK	1	1	17.76			18.2	0.0				
100	PUSC BPSK	1	137	17.80								
100	PUSC BPSK	1	271	17.78			18.2	0.0				
100	PUSC BPSK	135	0	17.78								
100	PUSC BPSK	135	89	17.74			18.2	0.0				
100	PUSC BPSK	135	138	17.78								
100	PUSC BPSK	270	0	17.80			18.2	0.0				
100	QPSK	1	1	17.78								
100	QPSK	1	137	17.75			18.2	0.0				
100	QPSK	1	271	17.80								
100	QPSK	135	0	17.80			18.2	0.0				
100	QPSK	135	89	17.78								
100	QPSK	135	138	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				18.000	18.000	18.000				Time-up time (min)		
Channel												
Frequency (MHz)												
80	QPSK	1	1	17.80	18.00	17.84	18.2	0.0				
Channel				18.008	18.000	18.000				Time-up time (min)		
80	QPSK	1	1	17.84	18.00	17.85	18.2	0.0				
Channel				18.010	18.000	18.000				Time-up time (min)		
70	QPSK	1	1	17.75	17.80	17.88	18.2	0.0				
Channel				18.000	18.000	18.000				Time-up time (min)		
60	QPSK	1	1	17.74	17.80	17.85	18.2	0.0				
Channel				18.000	18.000	18.000				Time-up time (min)		
50	QPSK	1	1	17.74	18.00	17.85	18.2	0.0				
Channel				18.010	18.000	18.000				Time-up time (min)		
40	QPSK	1	1	17.76	17.80	17.78	18.2	0.0				
Channel				18.000	18.000	18.000				Time-up time (min)		
30	QPSK	1	1	17.77	17.88	17.82	18.2	0.0				
Channel				18.000	18.000	18.000				Time-up time (min)		
20	QPSK	1	1	17.85	17.89	17.88	18.2	0.0				
Channel				18.000	18.000	18.000				Time-up time (min)		

Part27Q n77_Ant 8_PC2 DSIS									
BW (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	PUSC BPSK	1	1	19.30			21.2	0.0	
100	PUSC BPSK	1	137	19.30					
100	PUSC BPSK	1	271	19.30			21.2	0.0	
100	PUSC BPSK	135	0	19.30					
100	PUSC BPSK	135	89	19.30			21.2		
100	PUSC BPSK	135	126	19.30			21.2	0.0	
100	PUSC BPSK	271	0	19.30					
100	PUSC BPSK	271	89	19.30			21.2	0.0	
100	QPSK	1	137	19.30					
100	QPSK	1	271	19.30			21.2	0.0	
100	QPSK	135	0	19.30					
100	QPSK	135	89	19.30			21.2		
100	QPSK	135	126	19.30			21.2	0.0	
100	QPSK	271	0	19.30					
100	QPSK	271	89	19.30			21.2	0.0	
100	QPSK	271	126	19.30					
100	QPSK	1	1	19.30			21.2	0.0	
100	QPSK	1	137	19.30					
100	QPSK	1	271	19.30			21.2	0.0	
100	QPSK	135	0	19.30					
100	QPSK	135	89	19.30			21.2		
100	QPSK	135	126	19.30			21.2	0.0	
100	QPSK	271	0	19.30					
100	QPSK	271	89	19.30			21.2	0.0	
100	QPSK	271	126	19.30					
100	QPSK	1	1	19.30			21.2	0.0	
100	QPSK	1	137	19.30					
100	QPSK	1	271	19.30			21.2	0.0	
100	QPSK	135	0	19.30					
100	QPSK	135	89	19.30			21.2		
100	QPSK	135	126	19.30			21.2	0.0	
100	QPSK	271	0	19.30					
100	QPSK	271	89	19.30			21.2	0.0	
100	QPSK	271	126	19.30					
100	QPSK	1	1	19.30			21.2	0.0	
100	QPSK	1	137	19.30					
100	QPSK	1	271	19.30			21.2	0.0	
100	QPSK	135	0	19.30					
100	QPSK	135	89	19.30			21.2		
100	QPSK	135	126	19.30			21.2	0.0	
100	QPSK	271	0	19.30					
100	QPSK	271	89	19.30			21.2	0.0	
100	QPSK	271	126	19.30					
100	QPSK	1	1	19.30			21.2	0.0	
100	QPSK	1	137	19.30					
100	QPSK	1	271	19.30			21.2	0.0	
100	QPSK	135	0	19.30					
100	QPSK	135	89	19.30			21.2		
100	QPSK	135	126	19.30			21.2	0.0	
100	QPSK	271	0	19.30					
100	QPSK	271	89	19.30			21.2	0.0	
100	QPSK	271	126	19.30					
100	QPSK	1	1	19.30			21.2	0.0	
100	QPSK	1	137	19.30					
100	QPSK	1	271	19.30			21.2	0.0	
100	QPSK	135	0	19.30					
100	QPSK	135	89	19.30			21.2		
100	QPSK	135	126	19.30			21.2	0.0	
100	QPSK	271	0	19.30					
100	QPSK	271	89	19.30			21.2	0.0	
100	QPSK	271	126	19.30					
100	QPSK	1	1	19.30			21.2	0.0	
100	QPSK	1	137	19.30					
100	QPSK	1	271	19.30			21.2	0.0	
100	QPSK	135	0	19.30					
100	QPSK	135	89	19.30			21.2		
100	QPSK	135	126	19.30			21.2	0.0	
100	QPSK	271	0	19.30					
100	QPSK	271	89	19.30			21.2	0.0	
100	QPSK	271	126	19.30					
100	QPSK	1	1	19.30			21.2	0.0	
100	QPSK	1	137	19.30					
100	QPSK	1	271	19.30			21.2	0.0	
100	QPSK	135	0	19.30					
100	QPSK	135	89	19.30			21.2		
100	QPSK	135	126	19.30			21.2	0.0	
100	QPSK	271	0	19.30					
100	QPSK	271	89	19.30			21.2	0.0	
100	QPSK	271	126	19.30					
100	QPSK	1	1	19.30			21.2	0.0	
100	QPSK	1	137	19.30					
100	QPSK	1	271	19.30			21.2	0.0	
100	QPSK	135	0	19.30					
100	QPSK	135	89	19.30			21.2		
100	QPSK	135	126	19.30			21.2	0.0	
100	QPSK	271	0	19.30					
100	QPSK	271	89	19.30			21.2	0.0	
100	QPSK	271	126	19.30					
100	QPSK	1	1	19.30			21.2	0.0	
100	QPSK	1	137	19.30					
100	QPSK	1	271	19.30			21.2	0.0	
100	QPSK	135	0	19.30					
100	QPSK	135	89	19.30			21.2		
100	QPSK	135	126	19.30			21.2	0.0	
100	QPSK	271	0	19.30					
100	QPSK	271	89	19.30			21.2	0.0	
100	QPSK	271	126	19.30					
100	QPSK	1	1	19.30			21.2	0.0	
100	QPSK	1	137	19.30					
100	QPSK	1	271	19.30			21.2	0.0	
100	QPSK	135	0	19.30					
100	QPSK	135	89	19.30			21.2		
100	QPSK	135	126	19.30			21.2	0.0	
100	QPSK	271	0	19.30					
100	QPSK	271	89	19.30			21.2	0.0	
100	QPSK	271	126	19.30					
100	QPSK	1	1	19.30			21.2	0.0	
100	QPSK	1	137	19.30					
100	QPSK	1	271	19.30			21.2	0.0	
100	QPSK	135	0	19.30					
100	QPSK	135	89	19.30			21.2		
100	QPSK	135	126	19.30			21.2	0.0	
100	QPSK	271	0	19.30					
100	QPSK	271	89	19.30			21.2	0.0	
100	QPSK	271	126	19.30					
100	QPSK	1	1	19.30			21.2	0.0	
100	QPSK	1	137	19.30					
100	QPSK	1	271	19.30			21.2	0.0	
100	QPSK	135	0	19.30					
100	QPSK	135	89	19.30			21.2		
100	QPSK	135	126	19.30			21.2	0.0	
100	QPSK	271	0	19.30					
100	QPSK	271	89	19.30			21.2	0.0	
100	QPSK	271	126	19.30					
100	QPSK	1	1	19.30			21.2	0.0	
100	QPSK	1	137	19.30					
100	QPSK	1	271	19.30			21.2	0.0	
100	QPSK	135	0	19.30					
100	QPSK	135	89	19.30			21.2		
100	QPSK	135	126	19.30			21.2	0.0	
100	QPSK	271	0	19.30					
100	QPSK	271	89	19.30			21.2	0.0	
100	QPSK	271	126	19.30					
100	QPSK	1	1	19.30			21.2	0.0	
100	QPSK	1	137	19.30					
100	QPSK	1	271	19.30			21.2	0.0	
100	QPSK	135	0	19.30					
100	QPSK	135	89	19.30			21.2		
100	QPSK	135	126	19.30			21.2	0.0	
100	QPSK	271	0	19.30					
100	QPSK	271	89	19.30			21.2	0.0	
100	QPSK	271	126	19.30					
100	QPSK	1	1	19.30			21.2	0.0	
100	QPSK	1	137	19.30					
100	QPSK	1	271	19.30			21.2	0.0	
100	QPSK	135	0	19.30					
100	QPSK	135	89	19.30			21.2		
100	QPSK	135	126	19.30			21.2	0.0	
100	QPSK	271	0	19.30					
100	QPSK	271	89	19.30			21.2	0.0	
100	QPSK	271	126	19.30					
100	QPSK	1	1	19.30			21.2	0.0	
100	QPSK	1	137	19.30					
100	QPSK	1	271	19.30			21.2	0.0	
100	QPSK	135	0	19.30					
100	QPSK	135	89	19.30			21.2		
100	QPSK	135	126	19.30			21.2	0.0	
100	QPSK	271	0	19.30					
100	QPSK	271	89	19.30			21.2	0.0	
100	QPSK	271	126	19.30					
100	QPSK	1	1	19.30			21.2	0.0	
100	QPSK	1	137	19.30					
100	QPSK	1	271	19.30			21.2	0.0	
100	QPSK	135	0	19.30					
100	QPSK	135	89	19.30			21.2		
100	QPSK	135	126	19.30			21.2	0.0	
100	QPSK	271	0	19.30					
100	QPSK	271	89	19.30			21.2	0.0	
100	QPSK	271	126	19.30					
100	QPSK	1	1	19.30			21.2	0.0	
100	QPSK	1	137	19.30					
100	QPSK	1	271	19.30			21.2	0.0	
100	QPSK	135	0	19.30					
100	QPSK	135	89	19.30			21.2		
100	QPSK	135	126	19.30			21.2	0.0	
100	QPSK	271	0	19.30					
100	QPSK	271	89	19.30			21.2	0.0	
100	QPSK	271	126	19.30					
100	QPSK	1	1	19.30			21.2	0.0	
100	QPSK	1	137	19.30					
100	QPSK	1	271						

Part270 n78 Ant6_PC3 DSI3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Max Low Ch./Freq. 800000	Power Minus Ch./Freq. 800000	Power High Ch./Freq. 800000	Channel Spacing (MHz)	MPE (dB)	
Channel									
Frequency (MHz)				3750	3750	3750			
100	PL2-BPSK	1	1	18.81			18.2	0.0	
100	PL2-BPSK	1	137	18.84					
100	PL2-BPSK	1	271	18.88			18.2	0.0	
100	PL2-BPSK	135	0	18.78					
100	PL2-BPSK	135	89	18.75			18.2	0.0	
100	PL2-BPSK	135	138	18.76					
100	PL2-BPSK	270	0	18.73			18.2	0.0	
100	QPSK	1	1	17.92					
100	QPSK	1	137	18.02			18.2	0.0	
100	QPSK	1	271	18.80					
100	QPSK	135	0	18.88			18.2	0.0	
100	QPSK	135	89	18.97					
100	QPSK	135	138	18.78			18.2	0.0	
100	QPSK	270	0	18.74					
100	16QAM	1	1	17.00			18.2	0.0	
100	16QAM	1	1	18.01					
100	64QAM	1	1	18.97			18.2	0.0	
100	256QAM	1	1	18.76					
Channel									
Frequency (MHz)				94500	94500	94500	Time-up time	MPE	
30	QPSK	1	1	18.82	18.82	18.81	18.2	0.0	
Channel									
Frequency (MHz)				94634	94600	94600	Time-up time	MPE	
80	QPSK	1	1	18.82	18.82	18.81	18.2	0.0	
Channel									
Frequency (MHz)				94600	94600	94600	Time-up time	MPE	
70	QPSK	1	1	18.81	18.82	18.80	18.2	0.0	
Channel									
Frequency (MHz)				94600	94600	94600	Time-up time	MPE	
60	QPSK	1	1	18.76	18.80	18.80	18.2	0.0	
Channel									
Frequency (MHz)				94720	94720	94720	Time-up time	MPE	
30	QPSK	1	1	18.80	18.87	18.80	18.2	0.0	
Channel									
Frequency (MHz)				94800	94800	94800	Time-up time	MPE	
40	QPSK	1	1	18.78	18.88	18.80	18.2	0.0	
Channel									
Frequency (MHz)				94700	94700	94700	Time-up time	MPE	
30	QPSK	1	1	18.80	18.92	18.81	18.2	0.0	
Channel									
Frequency (MHz)				94700	94700	94700	Time-up time	MPE	
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	Channel Spacing (MHz)	MPE (dB)	
Channel									
Frequency (MHz)									
100	PL2-BPSK	1	1	17.02			18.2	0.0	
100	PL2-BPSK	1	137	17.05					
100	PL2-BPSK	1	271	17.11			18.2	0.0	
100	PL2-BPSK	135	0	16.97					
100	PL2-BPSK	135	89	16.94			18.2	0.0	
100	PL2-BPSK	135	138	16.95					
100	PL2-BPSK	270	0	16.96			18.2	0.0	
100	QPSK	1	1	17.04					
100	QPSK	1	137	17.05			18.2	0.0	
100	QPSK	1	271	17.18					
100	QPSK	135	0	17.10			18.2	0.0	
100	QPSK	135	89	17.20					
100	QPSK	135	138	17.00			18.2	0.0	
100	QPSK	270	0	17.00					
100	16QAM	1	1	17.08			18.2	0.0	
100	16QAM	1	1	17.15					
100	64QAM	1	1	18.97			18.2	0.0	
100	256QAM	1	1	18.99					
Channel									
Frequency (MHz)				83200	83334	83366			
30	QPSK	1	1	18.20	17.01	17.01	18.2	0.0	
Channel									
Frequency (MHz)				83200	83334	83400			
80	QPSK	1	1	18.14	17.06	16.97	18.2	0.0	
Channel									
Frequency (MHz)				83234	83334	83351			
70	QPSK	1	1	17.14	17.11	17.11	18.2	0.0	
Channel									
Frequency (MHz)				83200	83334	83334			
60	QPSK	1	1	17.02	17.07	17.11	18.2	0.0	
Channel									
Frequency (MHz)				83200	83334	83360			
30	QPSK	1	1	17.07	17.04	17.02	18.2	0.0	
Channel									
Frequency (MHz)				83134	83334	83334			
40	QPSK	1	1	17.11	17.20	18.00	18.2	0.0	
Channel									
Frequency (MHz)				83100	83334	83334			
30	QPSK	1	1	17.19	17.09	17.09	18.2	0.0	
Channel									
Frequency (MHz)				83000	83334	83360			
20	QPSK	1	1	17.14	17.03	16.98	18.2	0.0	

WLAN/Bluetooth Power

Ant 4+6 Full Power					Ant 4+6 Head (Standalone)&Body-worn (Simultaneous For DBS Only)		Ant 4+6 Head (Simultaneous For DBS Only)		Ant 4+6 Head (Simultaneous For WWAN + Non DBS)&Hotspot(Simultaneous For WWAN + DBS)		Ant 4+6 Head (Simultaneous For WWAN + DBS)		Ant 4+6 Body-worn (Simultaneous For WWAN + Non DBS)		Ant 4+6 Body-worn (Simultaneous For WWAN + DBS)		Ant 4+6 Hotspot (Simultaneous For WWAN + Non 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 %	
2.4GHz WLAN	802.11b 1Mbps	1	2412	22.10	23.50	20.89	21.50	17.22	18.50	17.67	19.00	15.20	16.50	20.13	21.50	16.87	18.00	20.60	22.00	97.87
		6	2437	21.86	23.50	20.81	22.00	17.68	19.00	17.08	18.50	14.48	15.50	19.68	21.00	16.52	18.00	20.04	21.50	
		11	2462	22.11	23.50	21.05	22.00	17.13	18.50	17.55	19.00	14.88	16.00	20.16	21.50	16.94	18.00	20.69	22.00	
	802.11g 6Mbps	1	2412	21.14	22.50															99.29
		6	2437	20.76	22.00															
	802.11n-HT20 MCS0	11	2462	20.54	22.00															100.00
		1	2412	21.02	22.50															
		6	2437	20.67	22.00															
	802.11n-HT40 MCS0	11	2462	20.34	22.00															100.00
		3	2422	19.44	21.00															
		6	2437	19.64	21.00	Nont Required		Nont Required		Nont Required		Nont Required		Nont Required		Nont Required		Nont Required		
	802.11ax-HE20 MCS0	9	2452	19.36	21.00															100.00
		1	2412	21.07	22.50															
		6	2437	20.71	22.00															
	802.11ax-HE40 MCS0	11	2462	20.41	22.00															100.00
		3	2422	19.47	21.00															
		6	2437	19.69	21.00															
		9	2452	19.40	21.00															

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

Ant 5+6 Full Power						Ant 5+6 Head&Hotspot (Standalone)		Ant 5+6 Head (Simultaneous For DBS Only)&Body-worn (Standalone)		Ant 5+6 Head&Hotspot (Simultaneous For For WWAN + DBS)		Ant 5+6 Body-worn (Simultaneous For DBS Only)		Ant 5+6 Body-worn (Simultaneous For WWAN + DBS)		Duty Cycle %								
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										
5.2GHz WLAN	802.11a 6Mbps	36	5180	20.40	22.00	Nont Required								100.00										
		40	5200	20.81	22.50																			
		44	5220	20.83	22.50																			
		48	5240	20.94	22.50																			
	802.11n-HT20 MCS0	36	5180	20.75	22.50									100.00										
		40	5200	20.78	22.50																			
		44	5220	20.76	22.50																			
		48	5240	20.79	22.50																			
	802.11n-HT40 MCS0	38	5190	19.97	21.50			19.97	21.50			Nont Required	Nont Required	Nont Required	Nont Required	100.00								
		46	5230	19.93	21.50			19.12	21.00															
	802.11ac-VHT20 MCS0	36	5180	20.71	22.00			Nont Required										1000.00						
		40	5200	20.74	22.00																			
		44	5220	20.73	22.00																			
		48	5240	20.75	22.50																			
	802.11ac-VHT40 MCS0	38	5190	19.87	21.50													100.00						
		46	5230	19.86	21.50																			
	802.11ac-VHT80 MCS0	42	5210	18.73	20.50	Nont Required				17.42	18.50							14.87	16.00	15.89	17.00	11.68	13.00	100.00
		36	5180	20.82	22.50																			
	802.11ax-HE20 MCS0	40	5200	20.81	22.50							100.00												
		44	5220	20.88	22.50																			
		48	5240	20.82	22.50																			
	802.11ax-HE40 MCS0	38	5190	20.01	21.50							100.00												
		46	5230	19.96	21.50																			
	802.11ax-HE80 MCS0	42	5210	18.78	20.50							100.00												
		36	5180	20.82	22.50																			

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 (Simultaneous For DBS Only)		Ant 5+6 Head (Simultaneous For WWAN + DBS)		Ant 5+6 Body-worn (Standalone)		Ant 5+6 Body-worn (Simultaneous For DBS Only)		Ant 5+6 Body-worn (Simultaneous For WWAN + DBS)		Ant 5+6 Handheld (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	Duty Cycle%
5.3GHz WLAN	802.11a 6Mbps	52	5260	19.41	21.00	Nont Required												100.00
		56	5280	19.46	21.00													
		60	5300	19.51	21.00													
		64	5320	19.61	21.00													
	802.11n-HT20 MCS0	52	5260	19.25	21.00													100.00
		56	5280	19.29	21.00													
		60	5300	19.36	21.00													
		64	5320	19.44	21.00													
	802.11n-HT40 MCS0	54	5270	18.88	21.00													100.00
		62	5310	19.00	21.00													
	802.11ac-VHT20 MCS0	52	5260	19.30	21.00													100.00
		56	5280	19.33	21.00													
		60	5300	19.41	21.00													
		64	5320	19.50	21.00													
	802.11ac-VHT40 MCS0	54	5270	18.89	21.00	100.00												
		62	5310	19.03	21.00													
	802.11ac-VHT80 MCS0	58	5290	18.85	20.50	18.10	19.50	14.89	16.00	16.57	18.00	15.72	17.00	11.79	13.00	16.64	18.00	100.00
	802.11ac-VHT160 MCS0	50	5250	16.82	18.00	Nont Required												100
		52	5260	19.32	21.00													
		56	5280	19.35	21.00													
60		5300	19.44	21.00														
802.11ax-HE20 MCS0	64	5320	19.55	21.00	Nont Required												100.00	
	54	5270	18.94	20.50														
	62	5310	19.07	20.50														
	58	5290	18.88	20.50														
802.11ax-HE40 MCS0	50	5250	16.89	18.50	100.00													
802.11ax-HE160 MCS0	50	5250	16.89	18.50		100.00												

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																
		124	5620	20.84	22.50																
		132	5660	20.85	22.50																
		140	5700	20.64	22.00																
		144	5720	20.75	22.00																
		802.11ac- VHT40 MCS0	102	5510	19.98					21.50									100.00		
	110		5550	20.12	21.50																
	126		5630	19.82	21.50																
	134		5670	19.88	21.50																
	142		5710	19.84	21.50																
	802.11ac- VHT80 MCS0		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									
		138	5690	18.73	20.00	18.73	20.00	14.66	16.00		16.08	17.50									
	802.11ac- VHT160 MCS0	114	5570	18.40	20.00	Nont Required		Nont Required		Nont Required			100.00								
	802.11ax-HE20 MCS0	100	5500	20.97	22.50									100.00							
		116	5580	21.10	22.50																
		124	5620	20.91	22.50																
		132	5660	20.96	22.50																
		140	5700	20.80	22.50																
		144	5720	20.87	22.50																
	802.11ax-HE40 MCS0	102	5510	20.10	21.50									100.00							
		110	5550	20.22	21.50																
		126	5630	19.95	21.50																
		134	5670	20.01	21.50																
		142	5710	19.95	21.50																
		106	5530	19.01	20.50										100.00						
	802.11ax-HE80 MCS0	122	5610	18.92	20.50																
		138	5690	18.76	20.00									100.00							
	802.11ax- HE160 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				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																		
	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			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	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)															
									Auto-Tune	1	12	23	34	45	56	67	78	89	100					111
WCDMA B5	RMC 12.2Kbps	4182	836.4			Right Cheek	0mm	0.189	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	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)															
									Auto-Tune	2	13	24	35	46	57	68	79	90	101	112				
LTE B2	QPSK	18900	1880	1	0	Left Cheek	0mm	0.048	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	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)															
									Auto-Tune	3	14	25	36	47	58	69	80	91	102	113				
LTE B5	QPSK	20525	836.5	1	0	Right Cheek	0mm	0.168	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	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)															
									Auto-Tune	4	15	26	37	48	59	70	81	92	103	114				
LTE B7	QPSK	21100	2535	1	0	Right Cheek	0mm	0.096	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)															
									Auto-Tune	5	16	27	38	49	60	71	82	93	104	115	126	137	148	159
LTE B12	QPSK	23095	707.5	1	0	Right Cheek	0mm	0.157	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)															
									Auto-Tune	6	17	28	39	50	61	72	83	94	105	116				
LTE B13	QPSK	23230	782	1	0	Right Cheek	0mm	0.141	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)																140	151	162
									Auto-Tune	8	19	30	41	52	63	74	85	96	107	118	129						
FR1 n2	QPSK	376000	1880	1	1	Left Cheek	0mm	0.03	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)																130	141	152	163
									Auto-Tune	9	20	31	42	53	64	75	86	97	108	119								
FR1 n5	QPSK	167300	836.5	50	28	Right Cheek	0mm	0.118	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)																142	153	164
									Auto-Tune	10	21	32	43	54	65	76	87	98	109	120	131	0.015					
FR1 n66	QPSK	349000	1745	108	54	Left Cheek	0mm	0.044	0.069	0.016	0.019	0.027	0.011	0.019	0.034	0.012	0.033	0.027	0.014	0.006	0.015	0.011	0.008	0.003			



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

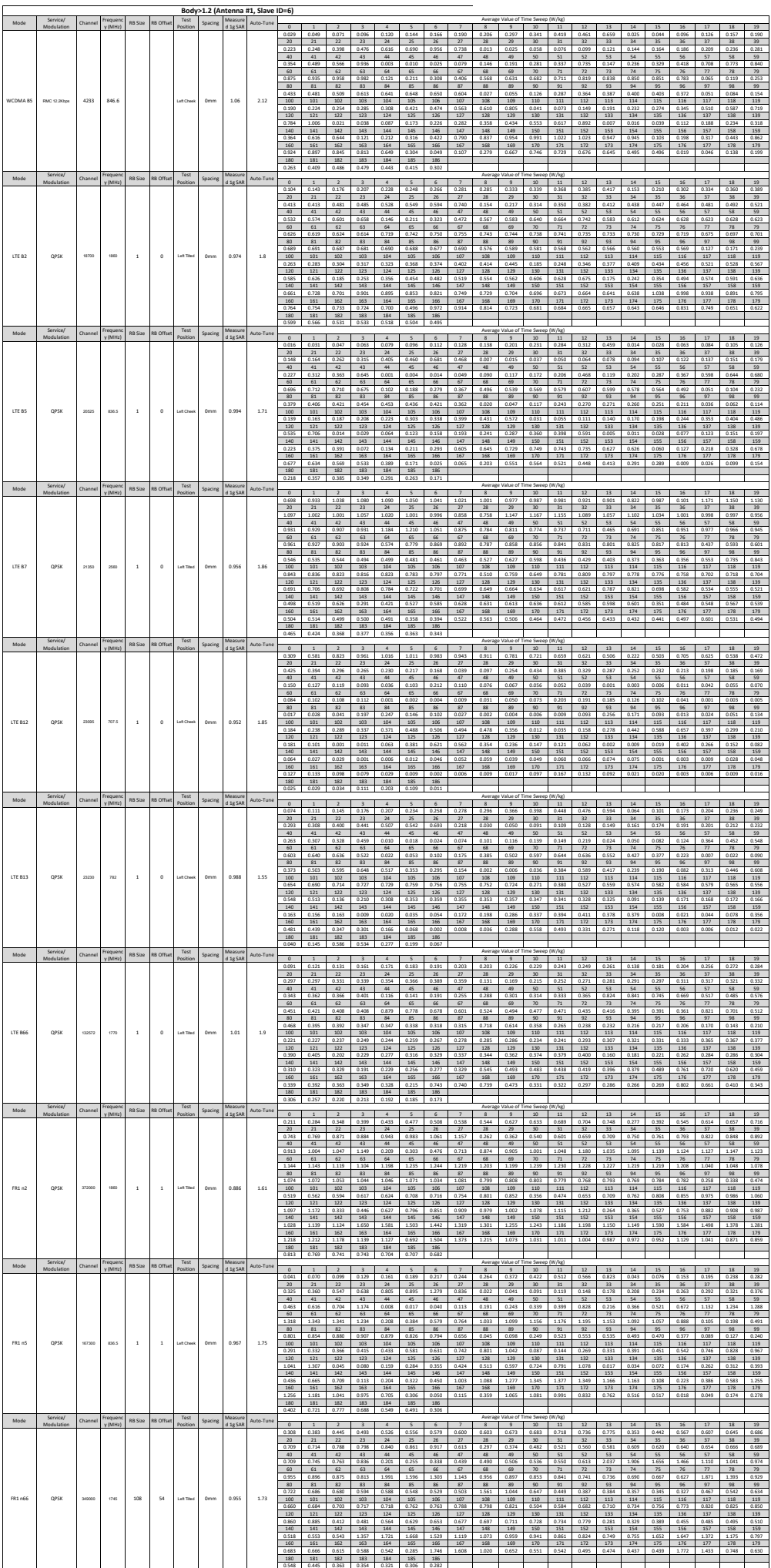


Body>1.2 (Antenna #0, Slave ID=6)																																			
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured Ig SAR	Auto Tune	Average Value of Time Sweep (W/kg)																									
WCDMA R2	RMC 12.2Kbps	880	1804.0	Back	5mm	1.1	1.4	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19								
								20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44			
								45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69			
								70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94			
								95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119			
								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	160	161	162	163	164	165	166	167	168				
								169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193			
								194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218			
								219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243			
								244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268			
								269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293			
								294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318			
								319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343			
								WCDMA R5	RMC 12.2Kbps	4233	948.0	Back	5mm	1.09	2.050	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
20	21	22	23	24	25	26	27									28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43				
44	45	46	47	48	49	50	51									52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67				
68	69	70	71	72	73	74	75									76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91				
92	93	94	95	96	97	98	99									100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115				
116	117	118	119	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	160	161	162	163				
164	165	166	167	168	169	170	171									172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187				
188	189	190	191	192	193	194	195									196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212			
213	214	215	216	217	218	219	220									221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237			
238	239	240	241	242	243	244	245									246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262			
263	264	265	266	267	268	269	270									271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286				
287	288	289	290	291	292	293	294									295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311			
312	313	314	315	316	317	318	319									320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336			
LTE R2	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
								20	21	22	23	24	25	26	27			28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	
								45	46	47	48	49	50	51	52			53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	
								70	71	72	73	74	75	76	77			78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	
								95	96	97	98	99	100	101	102			103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	
								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	160	161	162	163	164	165	166	167	168		
								169	170	171	172	173	174	175	176			177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	
								194	195	196	197	198	199	200	201			202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219
								220	221	222	223	224	225	226	227			228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	
								245	246	247	248	249	250	251	252			253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	
								270	271	272	273	274	275	276	277			278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	
								295	296	297	298	299	300	301	302			303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	
								320	321	322	323	324	325	326	327			328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	
								LTE R5	QPSK	20805	880.0	1	0	Back	5mm			1.07	1.65	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
20	21	22	23	24	25	26	27									28	29			30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	
45	46	47	48	49	50	51	52									53	54			55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	
70	71	72	73	74	75	76	77									78	79			80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	
95	96	97	98	99	100	101	102									103	104			105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	
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	160	161	162	163	164	165	166	167	168		
169	170	171	172	173	174	175	176									177	178			179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	
194	195	196	197	198	199	200	201									202	203			204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219
220	221	222	223	224	225	226	227									228	229			230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	
245	246	247	248	249	250	251	252									253	254			255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	
270	271	272	273	274	275	276	277									278	279			280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	
295	296	297	298	299	300	301	302									303	304			305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	
320	321	322	323	324	325	326	327									328	329			330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	
LTE R7	QPSK	20800	2010	1	0	Back	5mm									0.873	1.46			0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
								20	21	22	23	24	25	26	27			28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	
								45	46	47	48	49	50	51	52			53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	
								70	71	72	73	74	75	76	77			78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	
								95	96	97	98	99	100	101	102			103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	
								120	121	122	123	124	125	126	127			128																	



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	Frequency (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	Frequency (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	Frequency (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	Frequency (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	Frequency (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	Frequency (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	Frequency (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	Frequency (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	Frequency (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	Frequency (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						