

Band 2 (1900MHz Band)															
ANT 0															
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Time-up limit (min)	MFR (dB)							
Channel															
Frequency (MHz)															
20	QPSK	1	0	23.74	23.75	23.57	25	0							
20	QPSK	1	49	23.83	23.80	23.62									
20	QPSK	1	99	23.43	23.52	23.62	24	1							
20	QPSK	50	0	22.74	22.85	22.65									
20	QPSK	50	24	22.72	22.85	22.62									
20	QPSK	50	50	22.70	22.65	22.75									
20	QPSK	100	0	22.77	22.80	22.62	24	1							
20	16QAM	50	0	22.79	22.78	22.83									
20	16QAM	1	49	22.92	22.85	22.98	24	1							
20	16QAM	1	99	22.83	22.84	22.87									
20	16QAM	50	0	21.84	21.84	21.84	23	2							
20	16QAM	50	24	21.79	21.62	21.78									
20	16QAM	50	50	21.71	21.67	21.76									
20	16QAM	100	0	21.75	21.66	21.79									
20	84QAM	1	0	21.53	21.14	21.28	23	2							
20	84QAM	1	49	21.50	21.14	21.53									
20	84QAM	50	0	20.85	20.37	20.42	22	3							
20	84QAM	50	24	20.53	20.39	20.52									
20	84QAM	50	50	20.46	20.44	20.52									
20	84QAM	100	0	20.39	20.31	20.38									
20	256QAM	1	0	18.45	18.45	18.45	20	5							
20	256QAM	1	49	18.24	18.33	18.35									
20	256QAM	1	99	18.23	18.33	18.40	20	5							
20	256QAM	50	0	18.35	18.41	18.37									
20	256QAM	50	24	18.43	18.33	18.25									
20	256QAM	50	50	18.20	18.39	18.42									
20	256QAM	100	0	18.26	18.37	18.32									
Channel															
Frequency (MHz)															
16	QPSK	1	0	23.67	23.63	23.60	25	0							
16	QPSK	1	37	23.63	23.63	23.64									
16	QPSK	1	74	23.64	23.45	23.64	24	1							
16	QPSK	36	0	22.83	22.88	22.87									
16	QPSK	36	37	22.82	22.88	22.82									
16	QPSK	36	39	22.74	22.66	22.81									
16	QPSK	75	0	22.77	22.66	22.71	24	1							
16	16QAM	1	74	22.81	22.66	22.82									
16	16QAM	1	37	22.90	22.90	22.93	24	1							
16	16QAM	1	74	22.81	22.84	22.83									
16	16QAM	36	0	21.84	21.64	21.85									
16	16QAM	36	20	21.80	21.79	21.78									
16	16QAM	36	49	21.75	21.63	21.78	23	2							
16	84QAM	1	0	21.50	21.12	21.57									
16	84QAM	1	37	21.53	21.13	21.59									
16	84QAM	1	74	21.21	21.10	21.27									
16	84QAM	36	0	20.61	20.39	20.46	22	3							
16	84QAM	36	20	20.57	20.38	20.49									
16	84QAM	36	39	20.50	20.45	20.55									
16	84QAM	75	0	20.41	20.30	20.52									
16	256QAM	1	0	18.40	18.40	18.40	20	5							
16	256QAM	1	37	18.34	18.39	18.20									
16	256QAM	1	74	18.35	18.30	18.22									
16	256QAM	36	0	18.34	18.34	18.34									
16	256QAM	36	20	18.28	18.45	18.20	20	5							
16	256QAM	36	39	18.45	18.21	18.31									
16	256QAM	75	0	18.35	18.35	18.35									
Channel															
Frequency (MHz)															
16	QPSK	1	0	23.67	23.63	23.64			25	0					
16	QPSK	1	26	23.57	23.45	23.69									
16	QPSK	1	49	23.54	23.48	23.63	24	1							
16	QPSK	1	74	23.64	23.45	23.64									
16	QPSK	25	12	22.81	22.58	22.77									
16	QPSK	25	25	22.77	22.66	22.79									
16	QPSK	25	39	22.81	22.66	22.77	24	1							
16	16QAM	1	0	23.11	22.97	23.07									
16	16QAM	1	26	23.08	22.89	23.06	24	1							
16	16QAM	1	49	22.91	22.95	22.98									
16	16QAM	25	0	21.76	21.53	21.83									
16	16QAM	25	12	21.79	21.58	21.79									
16	16QAM	36	0	21.75	21.65	21.82	23	2							
16	16QAM	36	20	21.76	21.63	21.74									
16	84QAM	1	0	21.61	21.37	21.63									
16	84QAM	1	24	21.54	21.34	21.63									
16	84QAM	1	49	21.44	21.37	21.49	23	2							
16	84QAM	25	0	20.58	20.35	20.56									
16	84QAM	25	12	20.59	20.39	20.56									
16	84QAM	25	25	20.52	20.39	20.56									
16	84QAM	50	0	20.38	20.20	20.33	22	3							
16	256QAM	1	0	18.28	18.41	18.35									
16	256QAM	1	26	18.32	18.38	18.24									
16	256QAM	1	49	18.25	18.37	18.43									
16	256QAM	25	0	18.45	18.20	18.41	20	5							
16	256QAM	25	12	18.31	18.27	18.31									
16	256QAM	25	25	18.34	18.23	18.21									
16	256QAM	50	0	18.41	18.38	18.41									
Channel															
Frequency (MHz)															
5	QPSK	1	0	23.67	23.63	23.67	25		0						
5	QPSK	1	12	23.57	23.45	23.69									
5	QPSK	1	24	23.68	23.54	23.67	24	1							
5	QPSK	12	0	22.81	22.58	22.77									
5	QPSK	12	7	22.85	22.64	22.79									
5	QPSK	12	13	22.77	22.62	22.77									
5	QPSK	25	0	22.75	22.58	22.66	24	1							
5	16QAM	1	0	23.06	22.78	23.01									
5	16QAM	1	12	23.00	22.86	22.98	24	1							
5	16QAM	1	24	23.00	22.88	23.02									
5	16QAM	12	0	21.81	21.55	21.88									
5	16QAM	12	7	21.62	21.66	21.76									
5	16QAM	12	13	21.75	21.62	21.80	23	2							
5	16QAM	25	0	21.80	21.60	21.89									
5	84QAM	1	0	21.45	21.14	21.29									
5	84QAM	1	12	21.45	21.24	21.37									
5	84QAM	1	24	21.40	21.26	21.38	22	3							
5	84QAM	12	0	20.57	20.31	20.44									
5	84QAM	12	7	20.61	20.41	20.52									
5	84QAM	12	13	20.54	20.30	20.52									
5	84QAM	25	0	20.38	20.19	20.29	20	5							
5	256QAM	1	0	18.43	18.20	18.48									
5	256QAM	1	12	18.40	18.26	18.19									
5	256QAM	1	24	18.43	18.40	18.44	20	5							
5	256QAM	12	0	18.30	18.31	18.47									
5	256QAM	12	7	18.35	18.32	18.40									
5	256QAM	12	13	18.26	18.24	18.25									
5	256QAM	25	0	18.47	18.22	18.36									
Channel															
Frequency (MHz)															
3	QPSK	1	0	23.61	23.58	23.58	25	0							
3	QPSK	1	56	23.69	23.45	23.65									
3	QPSK	1	14	23.71	23.52	23.63	24	1							
3	QPSK	8	0	22.79	22.62	22.69									
3	QPSK	8	7	22.82	22.62	22.71									
3	QPSK	8	7	22.77	22.60	22.69									
3	QPSK	15	0	22.77	22.67	22.69	24	1							
3	16QAM	1	0	23.74	23.74	23.67									
3	16QAM	1	8	23.10	23.04	23.04	23	2							
3	16QAM	1	14	23.04	22.83	23.00									
3	16QAM	8	4	21.86	21.66	21.80									
3	16QAM	8	7	21.84	21.65	21.79									
3	16QAM	1	0	21.69	21.68	21.74	22	3							
3	16QAM	1	0	21.44	21.14	21.52									
3	84QAM	1	8	21.52	21.31	21.43									
3	84QAM	1	8	21.52	21.31	21.43									
3	84QAM	8	4	20.60	20.31	20.50	22	3							
3	84QAM	8	4	20.60	20.33	20.54									
3	84QAM	8	7	20.58	20.31	20.52									
3	84QAM	15	0	20.37	20.18	20.32									
3	256QAM	1	0	18.47	18.33	18.39	20	5							
3	256QAM	1	8	18.41	18.29	18.27									
3	256QAM	1	14	18.41	18.19	18.19									
3	256QAM	8	4	18.19	18.34	18.24									
3	256QAM	8	7	18.34	18.44	18.19	20	5							
3	256QAM	8	7	18.34	18.44	18.19									
3	256QAM	15	0	18.29	18.36	18.36									
Channel															
Frequency (MHz)															
14	QPSK	1	0	23.61	23.58	23.58	25		0						
14	QPSK	1	56	23.69	23.45	23.65									
14	QPSK	1	14	23.71	23.52	23.63	24	1							
14	QPSK	8	0	22.79	22.62	22.69									
14	QPSK	8	7	22.82	22.62	22.71									
14	QPSK	8	7	22.77	22.60	22.69									
14	QPSK	15	0	22.77	22.67	22.69	24	1							
14	16QAM	1	0	23.74	23.74	23.67									
14	16QAM	1	8	23.10	23.04	23.04	23	2							
14	16QAM	1	14	23.04	22.83	23.00									
14	16QAM	8	4	21.86	21.66	21.80									
14	16QAM	8	7	21.84	21.65	21.79									
14	16QAM	1	0	21.69	21.68	21.74	22	3							
14	16QAM	1	0	21.44	21.14	21.52									
14	84QAM	1	8	21.52	21.31	21.43									
14	84QAM	1	8	21.52	21.31	21.43									
14	84QAM	8	4	20.60	20.31	20.50	22	3							
14	84QAM	8	4	20.60	20.33	20.54									
14	84QAM	8	7	20.58	20.31	20.52									
14	84QAM	15	0	20.37	20.18	20.32									
14	256QAM	1	0	18.47	18.33	18.39	20	5							
14	256QAM	1	8	18.41	18.29	18.27									
14	256QAM	1	14	18.41	18.19	18.19									
14															



Band 7 (2600MHz Band)														
ANT 1														
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Turn-up Time (sec)	MFR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	25.13	25.19	24.83	25.5	0	24.5	1				
20	QPSK	1	49	25.16	25.22	24.89								
20	QPSK	1	99	25.16	25.01	24.93								
20	QPSK	50	0	24.30	24.35	23.92								
20	QPSK	50	24	24.33	24.35	24.06								
20	QPSK	50	50	24.27	24.18	24.04								
20	QPSK	100	0	24.12	24.25	24.01	24.5	1	24.5	1				
20	QPSK	100	24	24.46	24.24	24.17								
20	16QAM	1	49	24.41	24.35	24.24								
20	16QAM	1	99	24.48	24.33	24.23								
20	16QAM	50	0	23.30	23.04	22.96								
20	16QAM	50	24	23.29	23.15	23.07	23.5	2	23.5	2				
20	16QAM	50	50	23.29	23.14	23.03								
20	16QAM	100	0	23.27	23.10	23.01								
20	64QAM	1	0	23.18	22.97	22.75								
20	64QAM	1	49	23.13	22.94	22.82								
20	64QAM	1	99	23.13	23.09	22.96	22.5	3	22.5	3				
20	64QAM	50	0	22.07	21.85	21.70								
20	64QAM	50	24	22.05	21.97	21.92								
20	64QAM	50	50	22.04	21.91	21.79								
20	64QAM	100	0	22.07	21.91	21.82								
20	256QAM	1	49	19.86	19.82	19.96	20.5	5	20.5	5				
20	256QAM	1	99	19.82	19.73	19.78								
20	256QAM	50	99	19.72	19.77	20.00								
20	256QAM	50	24	19.94	19.84	19.74								
20	256QAM	50	50	19.93	19.85	19.77								
20	256QAM	100	0	19.72	19.73	19.85	20.5	5	20.5	5				
Channel														
Frequency (MHz)														
18	QPSK	1	0	25.18	25.01	24.87	25.5	0	24.5	1				
18	QPSK	1	37	25.14	24.99	24.80								
18	QPSK	1	74	25.13	25.03	24.96								
18	QPSK	36	0	24.31	24.05	23.92								
18	QPSK	36	24	24.33	24.14	24.02								
18	QPSK	36	39	24.30	24.13	24.04	24.5	1	24.5	1				
18	QPSK	75	0	24.29	24.12	24.02								
18	16QAM	1	0	24.37	24.30	24.15								
18	16QAM	1	37	24.45	24.49	24.22								
18	16QAM	36	99	23.30	22.98	22.94	23.5	2	23.5	2				
18	16QAM	36	20	23.33	23.15	23.04								
18	16QAM	36	39	23.32	23.12	22.96								
18	16QAM	75	0	23.31	23.13	23.04								
18	64QAM	1	0	23.17	23.09	22.78	22.5	3	22.5	3				
18	64QAM	1	24	23.17	23.02	22.86								
18	64QAM	1	74	23.16	23.10	23.01								
18	64QAM	36	0	22.10	21.85	21.73								
18	64QAM	36	99	22.07	21.95	21.82								
18	64QAM	75	0	22.11	21.93	21.84	20.5	5	20.5	5				
18	256QAM	1	37	19.82	19.89	19.85								
18	256QAM	1	74	19.96	19.92	19.75								
18	256QAM	36	20	19.93	19.75	19.80								
18	256QAM	36	39	19.92	19.85	19.81								
18	256QAM	75	0	19.77	19.72	19.85	20.5	5	20.5	5				
Channel														
Frequency (MHz)														
20	QPSK	1	0	25.05	25.01	24.85	25.5	0	24.5	1				
20	QPSK	1	25	25.15	24.97	24.84								
20	QPSK	1	49	25.14	24.98	24.91								
20	QPSK	36	0	24.30	24.05	23.96								
20	QPSK	36	24	24.33	24.12	23.99								
20	QPSK	25	25	24.30	24.10	24.01	24.5	1	24.5	1				
20	QPSK	25	49	24.36	24.19	24.02								
20	16QAM	1	0	24.46	24.29	24.19								
20	16QAM	1	25	24.41	24.33	24.26								
20	16QAM	36	25	23.30	23.08	22.96	23.5	2	23.5	2				
20	16QAM	25	0	23.30	23.12	22.96								
20	16QAM	36	25	23.30	23.08	22.96								
20	16QAM	50	0	23.33	23.11	22.91								
20	16QAM	1	0	23.28	23.12	22.88								
20	64QAM	1	0	23.17	23.12	22.90	22.5	3	22.5	3				
20	64QAM	1	49	23.17	23.13	23.04								
20	64QAM	25	0	22.11	21.90	21.73								
20	64QAM	25	25	22.03	21.90	21.77								
20	64QAM	50	0	22.08	21.92	21.71								
20	256QAM	1	25	19.85	19.95	19.77	20.5	5	20.5	5				
20	256QAM	1	25	19.91	19.78	19.79								
20	256QAM	25	49	19.97	19.74	19.91								
20	256QAM	25	50	20.01	19.81	19.87								
20	256QAM	25	12	19.93	19.74	19.81								
20	256QAM	25	25	19.78	19.62	19.92	20.5	5	20.5	5				
20	256QAM	50	0	19.78	19.75	19.77								
Channel														
Frequency (MHz)														
20	QPSK	1	0	25.09	25.03	24.87	25.5	0	24.5	1				
20	QPSK	1	12	25.18	25.02	24.89								
20	QPSK	1	24	25.03	25.03	24.90								
20	QPSK	12	0	24.30	24.05	23.96								
20	QPSK	12	7	24.31	24.13	24.02								
20	QPSK	12	13	24.30	24.11	23.99	24.5	1	24.5	1				
20	QPSK	25	0	24.27	24.07	23.96								
20	16QAM	1	0	24.50	24.29	24.17								
20	16QAM	1	12	24.47	24.24	24.17								
20	16QAM	25	0	24.48	24.26	24.17	23.5	2	23.5	2				
20	16QAM	12	0	23.38	23.17	23.05								
20	16QAM	12	7	23.37	23.17	23.04								
20	16QAM	25	0	23.30	23.08	22.96								
20	16QAM	25	0	23.33	23.19	23.02								
20	64QAM	1	0	23.25	23.04	22.93	22.5	3	22.5	3				
20	64QAM	1	12	23.24	23.03	22.91								
20	64QAM	1	24	23.25	23.04	22.90								
20	64QAM	12	0	22.10	21.85	21.75								
20	64QAM	12	7	22.11	21.98	21.74								
20	64QAM	12	13	22.09	21.88	21.78	20.5	5	20.5	5				
20	64QAM	25	0	22.02	21.80	21.71								
20	64QAM	25	12	22.00	21.79	21.82								
20	256QAM	1	12	19.88	19.89	19.83								
20	256QAM	1	24	19.86	19.90	19.84								
20	256QAM	12	0	19.78	20.00	19.98	20.5	5	20.5	5				
20	256QAM	12	7	19.92	19.85	19.92								
20	256QAM	12	13	20.00	19.77	19.89								
20	256QAM	25	0	19.97	19.87	19.84								
20	256QAM	25	0	19.97	19.87	19.84								

Band 12 (700MHz Low Band)										
ANT 0										
BS (MHz)	Modulation	RB Size	RB Offset	Power Ch. / Freq	Power Ch. / Freq	Power Ch. / Freq	Turnup (dBm)	MPR (dB)		
Channel										
5	QPSK	1	0	23.73	23.98	23.84				
5	QPSK	1	26	23.82	23.86	23.84		25	0	
5	QPSK	1	52	23.87	23.87	23.87				
5	QPSK	1	78	22.99	22.99	22.99				
5	QPSK	16	22	22.88	23.07	23.04			24	1
5	QPSK	16	48	23.04	23.04	23.04				
5	QPSK	16	74	23.01	23.03	23.03				
5	HQAM	1	0	23.16	23.18	23.23			24	1
5	HQAM	1	26	23.22	23.22	23.22				
5	HQAM	1	52	23.29	23.28	23.28				
5	HQAM	1	78	21.84	21.84	21.85				
5	HQAM	1	104	22.07	22.07	22.07				
5	HQAM	16	22	22.02	22.06	22.02			23	
5	HQAM	16	48	22.01	21.84	21.85				
5	HQAM	16	74	22.02	22.02	22.02				
5	HQAM	1	26	22.12	22.08	22.11				
5	HQAM	1	52	22.15	22.15	22.15				
5	HQAM	16	22	21.05	21.11	21.08			22	3
5	HQAM	16	48	21.00	21.02	21.02				
5	HQAM	16	74	21.00	21.00	21.00				
5	256QAM	1	0	18.73	18.77	18.76				
5	256QAM	1	26	18.81	18.82	18.78			20	5
5	256QAM	1	52	18.86	18.86	18.82				
5	256QAM	1	78	18.86	18.85	18.85			20	5
5	256QAM	1	104	18.78	18.81	18.81				
5	256QAM	16	22	19.02	18.91	18.84				
Channel							Turnup (dB)	MPR (dB)		
256QAM							23.99	23.99		
5	QPSK	1	0	23.85	23.88	23.85				
5	QPSK	1	12	23.83	23.87	23.88			25	0
5	QPSK	1	24	23.88	23.89	23.89				
5	QPSK	12	48	23.83	23.88	23.83				
5	QPSK	15	7	23.00	23.03	23.00			24	1
5	QPSK	15	23	23.07	23.07	23.07				
5	QPSK	15	49	22.96	22.99	23.00				
5	HQAM	1	0	23.11	23.20	23.10				
5	HQAM	1	26	23.15	23.22	23.21			24	1
5	HQAM	1	52	23.21	23.22	23.23				
5	HQAM	12	0	21.95	21.99	21.98				
5	HQAM	12	26	22.07	22.07	22.07			23	2
5	HQAM	12	53	21.95	21.92	21.87				
5	HQAM	16	22	21.94	22.07	22.00				
5	HQAM	16	48	22.00	22.00	22.00			23	2
5	HQAM	1	12	21.96	22.03	22.02				
5	HQAM	1	24	22.02	22.01	21.98				
5	HQAM	1	36	22.00	22.00	22.00				
5	HQAM	12	7	20.99	21.00	21.04			22	3
5	HQAM	12	33	20.95	21.01	20.97				
5	256QAM	1	0	18.86	18.88	18.88				
5	256QAM	1	26	18.94	18.95	18.92				
5	256QAM	1	52	18.88	18.90	18.91				
5	256QAM	1	78	18.76	18.76	18.76				
5	256QAM	16	22	18.82	18.75	18.75			20	5
5	256QAM	16	48	18.88	18.93	18.86				
5	256QAM	16	74	18.93	18.93	18.93				
5	256QAM	16	100	18.89	18.87	18.97				
Channel							Turnup (dB)	MPR (dB)		
256QAM							23.99	23.99		
5	QPSK	1	0	23.85	23.88	23.85				
5	QPSK	1	8	23.89	23.87	23.83			25	0
5	QPSK	1	14	23.88	23.88	23.88				
5	QPSK	1	20	23.81	23.88	23.81				
5	QPSK	8	4	22.98	23.01	23.02			24	1
5	QPSK	8	20	22.97	22.98	22.98				
5	QPSK	8	36	23.04	23.04	23.04				
5	HQAM	1	0	23.10	23.22	23.20			24	1
5	HQAM	1	14	23.26	23.34	23.28				
5	HQAM	1	28	23.24	23.24	23.24				
5	HQAM	8	0	21.95	22.05	21.99				
5	HQAM	8	8	22.03	22.12	22.05			23	2
5	HQAM	8	24	22.08	22.08	22.08				
5	HQAM	16	0	21.96	22.06	21.94				
5	HQAM	16	8	21.99	22.00	22.00			23	2
5	HQAM	16	16	22.01	22.01	22.01				
5	HQAM	1	14	21.96	22.00	21.97				
5	HQAM	8	0	20.91	21.01	20.98				
5	HQAM	8	8	21.00	21.00	21.00			22	3
5	HQAM	8	24	20.98	20.98	20.98				
5	256QAM	16	0	18.80	18.90	18.80				
5	256QAM	16	8	18.93	18.77	18.77			20	5
5	256QAM	16	16	18.92	18.85	18.91				
5	256QAM	16	24	18.94	18.75	18.75				
5	256QAM	8	4	18.85	18.80	18.89				
5	256QAM	8	12	18.79	18.79	18.79				
5	256QAM	8	20	18.78	18.78	18.78			20	5
Channel							Turnup (dB)	MPR (dB)		
256QAM							23.99	23.99		
14	QPSK	1	0	23.67	23.75	23.73				
14	QPSK	1	3	23.75	23.87	23.83				
14	QPSK	1	6	23.73	23.82	23.80			25	0
14	QPSK	1	9	23.75	23.84	23.83				
14	QPSK	3	0	23.80	23.89	23.89				
14	QPSK	3	3	23.75	23.84	23.81			24	1
14	QPSK	3	6	23.75	23.84	23.81				
14	HQAM	1	0	23.05	23.13	23.05				
14	HQAM	1	3	23.14	23.21	23.23			24	1
14	HQAM	1	6	23.17	23.17	23.17				
14	HQAM	3	0	22.88	22.97	22.90				
14	HQAM	3	3	22.89	22.99	22.90				
14	HQAM	3	6	22.94	22.93	22.93				
14	HQAM	6	0	21.91	21.99	21.90			23	2
14	HQAM	6	3	21.82	21.95	21.91				
14	HQAM	6	6	21.81	21.87	21.82				
14	HQAM	1	6	21.81	21.90	21.90			23	2
14	HQAM	3	0	21.83	22.00	21.82				
14	HQAM	3	3	22.03	22.03	22.03				
14	HQAM	6	0	21.87	21.97	21.88			22	3
14	HQAM	6	3	20.70	20.79	20.69				
14	HQAM	6	6	20.78	20.78	20.78				
14	256QAM	1	0	18.98	18.87	18.87				
14	256QAM	1	3	18.95	18.84	18.95			20	5
14	256QAM	1	6	18.97	18.87	18.88				
14	256QAM	3	0	18.92	18.72	18.84				
14	256QAM	3	3	18.90	18.78	18.89			20	

Band 26 for FCC											
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up Time (sec)	MPR (dB)			
Channel											
Frequency (MHz)											
15	QPSK	1	0	24.03	24.16	24.08	25	0			
15	QPSK	1	37	22.01	22.07	22.01					
15	QPSK	1	74	23.83	23.88	23.83	24	1			
15	QPSK	36	0	23.14	23.17	23.14					
15	QPSK	36	20	22.05	22.05	22.05					
15	QPSK	36	39	23.04	23.14	23.04					
15	QPSK	75	0	22.05	22.11	22.10	24	1			
15	16QAM	1	37	23.21	23.19	23.21					
15	16QAM	1	74	23.18	23.20	23.18					
15	16QAM	36	20	22.01	22.07	22.01					
15	16QAM	36	39	22.05	22.11	22.05	23	2			
15	16QAM	75	0	22.08	22.07	22.08					
15	64QAM	1	0	21.99	22.00	21.99					
15	64QAM	1	37	21.97	22.14	21.97					
15	64QAM	1	74	21.97	22.15	21.97	22	3			
15	64QAM	36	0	21.04	21.10	21.04					
15	64QAM	36	20	21.09	21.08	21.09					
15	64QAM	36	39	21.08	21.14	21.08					
15	64QAM	75	0	21.06	21.06	21.06	20	5			
15	256QAM	1	37	19.25	19.00	19.00					
15	256QAM	1	74	18.88	18.91	18.91					
15	256QAM	36	20	19.07	18.97	18.96					
15	256QAM	36	39	19.15	19.24	19.15	20	5			
15	256QAM	75	0	19.10	19.08	19.11					
15	256QAM	75	0	19.10	19.08	19.11					
15	256QAM	75	0	19.10	19.08	19.11					
Channel											
Frequency (MHz)											
15	QPSK	1	0	23.88	23.92	24.00	25	0			
15	QPSK	1	25	23.87	24.02	24.03					
15	QPSK	1	49	23.83	23.86	23.86	24	1			
15	QPSK	25	0	22.20	22.05	22.09					
15	QPSK	25	12	22.08	21.98	22.02					
15	QPSK	25	25	22.97	22.07	22.09					
15	QPSK	50	0	22.05	22.05	22.05	24	1			
15	16QAM	1	37	23.23	23.31	23.48					
15	16QAM	1	25	23.21	23.28	23.42					
15	16QAM	1	74	23.22	23.27	23.42					
15	16QAM	25	0	22.02	22.07	22.10	23	2			
15	16QAM	25	12	22.08	22.10	22.20					
15	16QAM	25	25	22.07	22.08	22.14					
15	64QAM	1	0	22.15	22.28	22.37					
15	64QAM	1	37	22.15	22.30	22.38	22	3			
15	64QAM	1	49	22.15	22.32	22.31					
15	64QAM	25	0	20.87	21.10	21.15					
15	64QAM	25	12	21.02	21.02	21.03					
15	64QAM	25	25	21.03	21.00	21.09	20	5			
15	64QAM	50	0	21.01	21.00	21.13					
15	256QAM	1	25	19.12	19.00	19.00					
15	256QAM	1	49	18.14	18.15	18.11					
15	256QAM	1	74	18.85	18.91	18.88	20	5			
15	256QAM	36	20	19.18	19.24	19.15					
15	256QAM	36	39	19.18	19.20	19.15					
15	256QAM	75	0	19.15	19.27	19.15					
Channel											
Frequency (MHz)											
3	QPSK	1	0	23.97	24.11	24.10	25	0			
3	QPSK	1	14	23.87	24.04	24.05					
3	QPSK	8	0	23.00	23.07	23.12	24	1			
3	QPSK	8	4	23.09	23.13	23.21					
3	QPSK	8	7	23.03	23.10	23.10					
3	QPSK	8	7	23.01	23.08	23.08					
3	16QAM	1	0	23.21	23.32	23.33	24	1			
3	16QAM	1	8	23.25	23.37	23.37					
3	16QAM	1	8	23.15	23.33	23.33					
3	16QAM	8	0	22.10	22.13	22.21					
3	16QAM	8	4	22.08	22.16	22.21	23	2			
3	16QAM	8	7	22.04	22.13	22.16					
3	16QAM	15	0	22.05	22.11	22.12					
3	16QAM	15	0	22.05	22.14	22.16					
3	64QAM	1	0	22.08	22.17	22.21	23	2			
3	64QAM	1	14	21.98	22.20	22.21					
3	64QAM	8	0	21.10	21.17	21.17					
3	64QAM	8	7	21.11	21.18	21.23					
3	64QAM	8	7	21.05	21.18	21.15	22	3			
3	64QAM	15	0	21.02	21.06	21.10					
3	256QAM	1	0	19.09	19.07	19.11					
3	256QAM	1	8	19.02	19.19	19.18					
3	256QAM	1	14	19.22	19.01	19.28	20	5			
3	256QAM	8	0	19.14	19.22	19.16					
3	256QAM	8	4	19.22	19.26	19.24					
3	256QAM	8	7	19.01	19.15	19.03					
3	256QAM	15	0	19.15	19.17	19.12	20	5			
3	256QAM	15	0	19.15	19.17	19.12					
3	256QAM	15	0	19.15	19.17	19.12					
3	256QAM	15	0	19.15	19.17	19.12					
Channel											
Frequency (MHz)											
1.4	QPSK	1	0	23.84	23.93	23.99	25	0			
1.4	QPSK	1	3	23.88	24.04	24.05					
1.4	QPSK	1	5	23.79	23.84	23.84	24	1			
1.4	QPSK	3	0	23.85	23.84	24.00					
1.4	QPSK	3	1	23.88	23.87	24.01					
1.4	QPSK	3	1	23.81	23.86	23.99					
1.4	16QAM	1	0	23.84	23.93	23.95	24	1			
1.4	16QAM	1	0	23.17	23.10	23.30					
1.4	16QAM	3	1	23.21	23.27	23.38					
1.4	16QAM	3	1	23.11	23.26	23.25					
1.4	16QAM	3	0	22.96	23.10	23.06	23	2			
1.4	16QAM	3	1	22.98	23.13	23.01					
1.4	16QAM	6	0	22.05	22.14	22.17					
1.4	16QAM	1	0	22.02	22.02	22.17					
1.4	64QAM	1	0	22.04	22.11	22.12	23	2			
1.4	64QAM	1	5	21.93	22.02	22.01					
1.4	64QAM	3	0	22.02	22.08	22.07	23	2			
1.4	64QAM	3	5	22.04	22.13	22.12					
1.4	64QAM	3	1	21.96	22.10	22.11	22	3			
1.4	64QAM	6	0	20.84	21.03	21.05					
1.4	64QAM	6	1	20.90	21.03	21.03	20	5			
1.4	64QAM	6	1	20.92	21.00	21.00					
1.4	64QAM	6	1	20.92	21.00	21.00					
1.4	64QAM	6	1	20.92	21.00	21.00					
1.4	256QAM	1	0	19.09	19.04	19.07	20	5			
1.4	256QAM	1	3	18.99	19.24	19.18					

Band 38

ANT 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Co. (Freq.)	Power High Co. (Freq.)	Power High Co. (Freq.)	Time-up (ms)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	24.25	24.49	24.32	25.5	0
20	QPSK	1	49	24.25	24.48	24.48		
20	QPSK	1	99	24.37	24.47	24.41		
20	QPSK	50	0	23.40	23.51	23.50	24.5	1
20	QPSK	50	24	23.45	23.47	23.45		
20	QPSK	50	50	23.42	23.46	23.46		
20	QPSK	100	0	23.37	23.56	23.47	24.5	1
20	QPSK	100	1	23.63	23.56	23.53		
20	QPSK	100	1	23.75	23.59	23.58		
20	16QAM	1	49	23.75	23.59	23.58	24.5	1
20	16QAM	1	99	23.64	23.59	23.58		
20	16QAM	50	0	22.88	22.86	22.85		
20	16QAM	50	24	22.97	22.82	22.86	23.5	2
20	16QAM	50	50	22.68	22.65	22.69		
20	16QAM	100	0	22.86	22.69	22.63		
20	16QAM	100	1	22.89	22.61	22.63	23.5	2
20	64QAM	1	49	22.69	22.48	22.47		
20	64QAM	1	99	22.51	22.50	22.55		
20	64QAM	50	0	21.86	21.88	21.75	22.5	3
20	64QAM	50	24	21.84	21.70	21.75		
20	64QAM	50	50	21.81	21.77	21.79		
20	256QAM	100	0	21.85	21.69	21.69	20.5	5
20	256QAM	100	1	21.83	21.60	21.67		
20	256QAM	100	1	21.83	21.60	21.67		
Channel								
Frequency (MHz)								
15	QPSK	1	0	24.42	24.41	24.42	25.5	0
15	QPSK	1	37	24.44	24.37	24.47		
15	QPSK	1	74	24.46	24.38	24.45		
15	QPSK	36	0	23.84	23.57	23.67	24.5	1
15	QPSK	36	1	23.85	23.58	23.61		
15	QPSK	36	39	23.89	23.60	23.67		
15	QPSK	75	0	23.83	23.64	23.64	24.5	1
15	QPSK	75	1	23.86	23.61	23.64		
15	QPSK	75	37	23.78	23.55	23.63		
15	16QAM	1	74	23.89	23.58	23.62	23.5	2
15	16QAM	36	0	22.86	22.56	22.67		
15	16QAM	36	20	22.83	22.52	22.67		
15	16QAM	36	39	22.66	22.59	22.66	23.5	2
15	16QAM	75	0	22.85	22.68	22.67		
15	16QAM	75	1	22.86	22.68	22.67		
15	64QAM	1	37	22.80	22.53	22.59	23.5	2
15	64QAM	1	74	22.80	22.47	22.51		
15	64QAM	36	0	22.03	21.71	21.81		
15	64QAM	36	39	21.97	21.70	21.77	22.5	3
15	64QAM	36	75	21.87	21.78	21.83		
15	64QAM	75	0	21.84	21.67	21.63		
15	256QAM	1	0	19.42	19.48	19.36	20.5	5
15	256QAM	1	37	19.34	19.49	19.34		
15	256QAM	1	74	19.25	19.44	19.51		
15	256QAM	1	74	19.25	19.44	19.51	20.5	5
15	256QAM	36	0	19.46	19.38	19.28		
15	256QAM	36	20	19.44	19.22	19.41		
15	256QAM	36	39	19.32	19.48	19.41	20.5	5
15	256QAM	36	75	19.32	19.48	19.41		
15	256QAM	75	0	19.32	19.28	19.32		
Channel								
Frequency (MHz)								
10	QPSK	1	0	24.39	24.43	24.45	25.5	0
10	QPSK	1	25	24.38	24.44	24.45		
10	QPSK	1	49	24.35	24.44	24.41		
10	QPSK	25	0	23.85	23.63	23.58	24.5	1
10	QPSK	25	1	23.86	23.62	23.66		
10	QPSK	25	25	23.74	23.61	23.70		
10	QPSK	50	0	23.86	23.55	23.69	24.5	1
10	16QAM	1	25	23.90	23.60	23.68		
10	16QAM	1	49	23.80	23.60	23.71		
10	16QAM	25	0	22.84	22.50	22.61	23.5	2
10	16QAM	25	12	22.86	22.55	22.72		
10	16QAM	25	25	22.68	22.62	22.69		
10	16QAM	50	0	22.87	22.57	22.78	23.5	2
10	16QAM	50	1	22.93	22.56	22.62		
10	64QAM	1	25	22.82	22.56	22.64		
10	64QAM	1	49	22.78	22.58	22.69	23.5	2
10	64QAM	25	0	21.89	21.70	21.78		
10	64QAM	25	12	21.89	21.77	21.85		
10	64QAM	25	25	21.83	21.77	21.88	22.5	3
10	256QAM	1	0	19.43	19.41	19.41		
10	256QAM	1	25	19.32	19.30	19.28		
10	256QAM	1	49	19.39	19.32	19.28	20.5	5
10	256QAM	25	0	19.27	19.30	19.29		
10	256QAM	25	12	19.43	19.45	19.50		
10	256QAM	25	25	19.27	19.22	19.35	20.5	5
10	256QAM	50	0	19.38	19.28	19.32		
10	256QAM	50	1	19.38	19.28	19.32		
Channel								
Frequency (MHz)								
5	QPSK	1	0	24.42	24.43	24.43	25.5	0
5	QPSK	1	12	24.41	24.49	24.43		
5	QPSK	1	24	24.42	24.47	24.42		
5	QPSK	12	0	23.85	23.50	23.61	24.5	1
5	QPSK	12	7	23.84	23.62	23.69		
5	QPSK	12	13	23.75	23.59	23.69		
5	QPSK	25	0	23.81	23.50	23.70	24.5	1
5	16QAM	1	12	23.86	23.60	23.69		
5	16QAM	1	24	23.75	23.66	23.79		
5	16QAM	12	0	22.84	22.56	22.64	23.5	2
5	16QAM	12	7	22.84	22.64	22.71		
5	16QAM	12	13	22.72	22.62	22.68		
5	16QAM	25	0	22.81	22.55	22.72	23.5	2
5	64QAM	1	12	22.69	22.23	22.46		
5	64QAM	1	24	22.57	22.41	22.49		
5	64QAM	12	0	21.98	21.65	21.75	22.5	3
5	64QAM	12	7	21.98	21.65	21.75		
5	64QAM	12	13	21.88	21.69	21.86		
5	256QAM	1	0	19.43	19.32	19.48	20.5	5
5	256QAM	1	12	19.34	19.31	19.33		
5	256QAM	12	0	19.38	19.49	19.49		
5	256QAM	12	7	19.36	19.42	19.50	20.5	5
5	256QAM	12	13	19.49	19.33	19.31		
5	256QAM	25	0	19.30	19.31	19.39		

Band 41 (2.6G Band)

ANT 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Co. (Ch./Freq.)	Power High Co. (Ch./Freq.)	Power High Co. (Ch./Freq.)	Power High Co. (Ch./Freq.)	Power High Co. (Ch./Freq.)	Power High Co. (Ch./Freq.)	Time-up (ms) (dBm)	MPR (dB)	
Channel												
Frequency (MHz)												
20	QPSK	1	0	23.50	23.48	23.50	23.50	23.50	23.50	24.5	0	
20	QPSK	1	49	23.47	23.52	23.55	23.51	23.53	23.53			
20	QPSK	1	99	23.29	23.25	23.19	23.51	23.50	23.50			
20	QPSK	50	0	22.75	22.83	22.80	22.81	22.81	22.81			
20	QPSK	50	24	22.49	22.42	22.55	22.72	22.71	22.72			
20	QPSK	50	50	22.63	22.35	22.42	22.38	22.37	22.37			
20	QPSK	100	0	22.53	22.50	22.62	22.61	22.62	22.62	23.5	1	
20	QPSK	100	1	22.68	22.63	22.68	22.67	22.67	22.67			
20	QPSK	100	1	22.55	22.60	22.49	22.25	22.23	22.21			
20	QPSK	1	99	22.37	22.41	22.40	22.35	22.29	22.29			
20	QPSK	50	0	21.53	21.53	21.48	21.54	21.57	21.57			
20	QPSK	50	24	21.54	21.37	21.57	21.51	21.38	21.38			
20	QPSK	50	50	21.26	21.31	21.28	21.13	21.31	21.31	22.5	2	
20	QPSK	100	0	21.98	21.65	21.62	21.81	21.50	21.50			
20	QPSK	100	1	21.98	21.21	21.28	21.26	21.13	21.13			
20	QPSK	1	49	21.09	21.14	21.04	21.11	20.96	20.96			
20	QPSK	1	99	21.04	20.96	21.02	20.89	20.97	20.97			
20	QPSK	50	0	20.60	20.67	20.58	20.63	20.66	20.66			
20	QPSK	50	24	20.59	20.49	20.46	20.43	20.36	20.36	21.5	3	
20	QPSK	50	50	20.84	20.56	20.48	20.43	20.41	20.41			
20	QPSK	100	0	20.58	20.46	20.19	20.52	20.37	20.37			
20	QPSK	100	1	18.45	18.43	18.38	18.37	18.28	18.28			
20	25QAM	1	49	18.27	18.31	18.22	18.26	18.31	18.31			
20	25QAM	1	99	18.53	18.65	18.53	18.67	18.58	18.58			
20	25QAM	50	0	18.64	18.61	18.69	18.75	18.62	18.62	19.5	5	
20	25QAM	50	24	18.67	18.69	18.67	18.76	18.65	18.65			
20	25QAM	50	50	18.89	18.74	18.88	18.70	18.85	18.85			
20	25QAM	100	0	18.49	18.60	18.71	18.64	18.78	18.78			
Channel												
Frequency (MHz)												
20	QPSK	1	0	23.53	23.473	23.500	23.506	23.515	23.515	Time-up (ms) (dBm)	MPR (dB)	
20	QPSK	1	9	23.33	23.43	23.52	23.46	23.32	23.48	24.5	0	
20	QPSK	1	18	23.33	23.53	23.52	23.46	23.32	23.48			
20	QPSK	1	74	23.34	23.29	23.23	23.23	23.23	23.23			
20	QPSK	50	0	22.60	22.60	22.54	22.14	22.38	22.38			
20	QPSK	50	24	22.56	22.56	22.15	22.35	22.35	22.35			
20	QPSK	50	36	22.57	22.46	22.20	22.30	22.27	22.27			
20	QPSK	75	0	22.78	22.70	22.53	22.70	22.60	22.60	23.5	1	
20	QPSK	75	1	22.71	22.71	22.55	22.71	22.64	22.64			
20	QPSK	1	74	22.42	22.42	22.40	22.44	22.39	22.39			
20	QPSK	1	74	22.72	22.53	22.45	22.87	22.43	22.43			
20	QPSK	36	0	21.71	21.68	21.75	21.61	21.65	21.65			
20	QPSK	36	20	21.64	21.40	21.52	21.40	21.38	21.38			
20	QPSK	36	36	21.53	21.58	21.39	21.41	21.38	21.38	22.5	2	
20	QPSK	75	0	21.61	21.71	21.60	21.68	21.43	21.43			
20	QPSK	75	1	21.58	21.58	21.53	21.53	21.50	21.50			
20	QPSK	1	37	21.09	21.00	21.03	21.28	21.22	21.22			
20	QPSK	1	74	21.23	21.25	21.05	21.28	21.00	21.00			
20	QPSK	36	1	20.54	20.52	20.43	20.30	20.38	20.38			
20	QPSK	36	20	20.66	20.66	20.55	20.39	20.43	20.43	21.5	3	
20	QPSK	36	36	20.67	20.65	20.54	20.53	20.41	20.41			
20	QPSK	75	0	20.64	20.46	20.58	20.58	20.43	20.43			
20	25QAM	1	18	18.63	18.60	18.73	18.64	18.69	18.69			
20	25QAM	1	37	18.41	18.42	18.54	18.48	18.46	18.46			
20	25QAM	1	74	18.69	18.55	18.60	18.81	18.65	18.65			
20	25QAM	36	1	18.45	18.45	18.70	18.77	18.67	18.67	19.5	5	
20	25QAM	36	20	18.67	18.62	18.73	18.67	18.63	18.63			
20	25QAM	36	36	18.71	18.77	18.77	18.86	18.76	18.76			
20	25QAM	75	0	18.73	18.68	18.78	18.73	18.73	18.73			
Channel												
Frequency (MHz)												
10	QPSK	1	0	23.57	23.47	23.53	23.53	23.53	23.53	Time-up (ms) (dBm)	MPR (dB)	
10	QPSK	1	25	23.52	23.55	23.50	23.54	23.54	23.54	24.5	0	
10	QPSK	1	49	23.57	23.58	23.58	23.52	23.46	23.46			
10	QPSK	25	0	22.64	22.76	22.62	22.71	22.62	22.62			
10	QPSK	25	25	22.67	22.65	22.65	22.69	22.69	22.69			
10	QPSK	25	25	22.60	22.46	22.50	22.48	22.47	22.47			
10	QPSK	50	0	22.11	22.88	22.76	22.76	22.65	22.65			
10	QPSK	1	25	22.79	22.72	22.70	22.71	22.71	22.71	23.5	1	
10	QPSK	1	25	22.86	22.52	22.50	22.51	22.51	22.51			
10	QPSK	1	49	22.61	22.70	22.50	22.57	22.45	22.45			
10	QPSK	25	0	21.79	21.79	21.79	21.79	21.79	21.79			
10	QPSK	25	12	21.67	21.53	21.51	21.51	21.47	21.47			
10	QPSK	25	25	21.63	21.67	21.74	21.68	21.47	21.47			
10	QPSK	50	0	21.87	21.81	21.78	21.82	21.70	21.70	22.5	2	
10	QPSK	50	1	21.53	21.53	21.39	21.39	21.25	21.25			
10	QPSK	50	25	21.60	21.34	21.45	21.41	21.36	21.36			
10	QPSK	1	49	21.60	21.39	21.37	21.25	21.18	21.18			
10	QPSK	25	0	20.76	20.76	20.44	20.44	20.30	20.30			
10	QPSK	25	12	20.67	20.71	20.48	20.50	20.36	20.36			
10	QPSK	25	25	20.75	20.68	20.40	20.42	20.28	20.28	21.5	3	
10	QPSK	50	0	20.66	20.66	20.79	20.79	20.61	20.61			
10	25QAM	1	0	18.65	18.61	18.62	18.62	18.63	18.63			
10	25QAM	1	25	18.68	18.68	18.68	18.67	18.68	18.68			
10	25QAM	1	49	18.71	18.66	18.66	18.66	18.68	18.68			
10	25QAM	25	0	18.64	18.64	18.65	18.65	18.62	18.62			
10	25QAM	25	12	18.76	18.72	18.72	18.73	18.70	18.70	19.5	5	
10	25QAM	25	25	18.68	18.67	18.67	18.65	18.69	18.69			
10	25QAM	50	0	18.61	18.61	18.76	18.76	18.78	18.78			
Channel												
Frequency (MHz)												
20	QPSK	1	0	23.51	23.43	23.53	23.53	23.53	23.53			Time-up (ms) (dBm)
20	QPSK	1	12	23.51	23.46	23.51	23.53	23.36	23.44	24.5	0	
20	QPSK	1	24	23.53	23.53	23.51	23.59	23.38	23.38			
20	QPSK	12	0	22.72	22.60	22.44	22.58	22.61	22.61			
20	QPSK	12	12	22.69	22.50	22.50	22.57	22.49	22.49			
20	QPSK	12	13	22.59	22.71	22.66	22.70	22.44	22.44			
20	QPSK	1	25	22.69	22.74	22.60	22.44	22.45	22.45			
20	QPSK	1	25	22.79	22.72	22.67	22.71	22.63	22.63	23.5	1	
20	QPSK	1	12	22.85	22.47	22.67	22.43	22.62	22.62			
20	QPSK	1	24	22.74	22.53	22.53	22.85	22.45	22.45			
20	QPSK	12	0	21.58	21.61	21.48	21.48	21.31	21.31			
20	QPSK	12	7	21.60	21.61	21.29	21.42	21.40	21.40			
20	QPSK	12	13	21.59	21.37	21.58	21.38	21.35	21.35			
20	QPSK	1	24	21.82	21.76	21.68	21.65	21.62	21.62	22.5	2	
20	QPSK	1	21	21.21	21.21	21.37	21.21	21.10	21.10			
20	QPSK	1	12	21.48	21.49	21.14	21.18	21.23	21.23			
20	QPSK	1	24	21.36	21.48	21.54	21.29	21.16	21.16			
20	QPSK	12	0	20.72	20.72	20.77	20.50	20.50	20.50			
20	QPSK	12	7	20.78	20.54	20.51	20.50	20.46	20.46			
20	QPSK	12	13	20.74	20.50	20.76	20.79	20.41	20.41	21.5	3	
20	QPSK	12	0	20.71	20.50	20.50	20.50	20.47	20.47			
20	25QAM	1	0	18.36	18.40	18.38	18.37	18.41	18.41			
20	25QAM	1	12	18.54	18.58	18.57	18.59	18.57	18.57			
20	25QAM	1	24	18.59	18.38	18.38	18.41	18.36	18.36			
20	25QAM	12	18	18.81	18.78	18.78	18.82	18.75	18.75			
20	25QAM	12	7	18.74	18.68	18.71	18.67	18.67	18.67	19.5	5	
20	25QAM	12	13	18.65	18.64	18.62	18.61	18.58	18.58			
20	25QAM	12	13	18.61	18.54	18.62	18.54	18.58	18.58			
20	25QAM	12	13	18.65	18.64	18.62	18.61	18.58	18.58			
20	25QAM	12	13	18.65	18.64	18.62	18.61	18.58	18.58			
20	25QAM	12	13	18.65	18.64	18.62	18.61	18.58	18.58			

Reduced Power Mode for Receiver off

Band 2 Ant 0 ENDC Body-Worn&Handheld														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 18600	Power Mids Ch. Freq. 18650	Power High Ch. Freq. 18650	Turnup time (ms)	MPR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	20.47	20.53	20.28	22	0						
20	QPSK	1	49	20.42	20.42	20.49								
20	QPSK	1	99	20.49	20.51	20.35	21	1						
20	QPSK	50	0	19.81	19.62	19.41								
20	QPSK	50	24	19.48	19.48	19.48	21	1						
20	QPSK	50	50	19.57	19.42	19.49								
20	QPSK	100	0	19.46	19.63	19.61	21	1						
20	16QAM	1	0	19.42	19.57	19.59								
20	16QAM	1	49	19.52	19.39	19.58	20	2						
20	16QAM	1	99	19.42	19.42	19.28								
20	16QAM	50	24	18.71	18.45	18.44	20	2						
20	16QAM	50	50	18.55	18.53	18.56								
20	16QAM	100	0	18.74	18.58	18.54	19	3						
20	16QAM	1	0	18.48	18.49	18.37								
20	16QAM	1	49	18.55	18.36	18.54	19	3						
20	16QAM	1	99	18.38	18.55	18.32								
20	16QAM	50	0	17.68	17.47	17.53	17	5						
20	16QAM	50	24	17.55	17.60	17.56								
20	16QAM	50	50	17.50	17.63	17.64	17	5						
20	16QAM	100	0	17.60	17.53	17.68								
20	256QAM	1	0	15.58	15.55	15.38	17	5						
20	256QAM	1	49	15.32	15.41	15.53								
20	256QAM	1	99	15.48	15.43	15.36	17	5						
20	256QAM	50	24	15.42	15.43	15.38								
20	256QAM	50	50	15.44	15.43	15.55	17	5						
20	256QAM	100	0	15.37	15.29	15.38								
Channel														
Frequency (MHz)														
15	QPSK	1	0	19.61	19.60	19.15	22	0						
15	QPSK	1	37	20.42	20.33	20.41								
15	QPSK	1	74	20.41	20.33	20.35	21	1						
15	QPSK	36	20	19.61	19.38	19.42								
15	QPSK	36	39	19.58	19.34	19.45	21	1						
15	QPSK	36	74	19.54	19.36	19.52								
15	QPSK	75	0	19.58	19.43	19.53	21	1						
15	QPSK	1	0	19.53	19.50	19.41								
15	16QAM	1	37	19.52	19.35	19.50	21	1						
15	16QAM	1	74	19.47	19.38	19.58								
15	16QAM	36	0	18.58	18.37	18.41	20	2						
15	16QAM	36	20	18.58	18.49	18.48								
15	16QAM	39	20	18.53	18.37	18.45	20	2						
15	16QAM	75	0	18.58	18.35	18.43								
15	16QAM	1	0	18.43	18.39	18.44	20	2						
15	16QAM	1	37	18.47	18.37	18.48								
15	16QAM	1	74	18.45	18.37	18.31	19	3						
15	16QAM	36	0	17.57	17.28	17.47								
15	16QAM	36	20	17.62	17.45	17.51	17	5						
15	16QAM	36	39	17.60	17.27	17.51								
15	16QAM	75	0	17.58	17.27	17.46	17	5						
15	256QAM	1	0	15.47	15.32	15.39								
15	256QAM	1	25	15.53	15.38	15.45	17	5						
15	256QAM	1	49	15.31	15.40	15.44								
15	256QAM	25	0	15.53	15.46	15.52	17	5						
15	256QAM	25	12	15.44	15.33	15.34								
15	256QAM	25	25	15.56	15.44	15.43	17	5						
15	256QAM	50	0	15.56	15.44	15.43								
Channel														
Frequency (MHz)														
10	QPSK	1	0	20.38	20.40	20.37	22	0						
10	QPSK	1	26	20.47	20.35	20.38								
10	QPSK	1	49	20.34	20.33	20.37	21	1						
10	QPSK	25	12	19.68	19.34	19.40								
10	QPSK	25	12	19.64	19.34	19.51	21	1						
10	QPSK	26	25	19.60	19.55	19.58								
10	QPSK	50	0	19.66	19.48	19.53	21	1						
10	16QAM	1	0	19.49	19.32	19.58								
10	16QAM	1	25	19.33	19.45	19.42	20	2						
10	16QAM	1	49	19.30	19.46	19.39								
10	16QAM	25	0	18.53	18.34	18.29	20	2						
10	16QAM	25	12	18.56	18.43	18.45								
10	16QAM	25	25	18.63	18.47	18.58	20	2						
10	16QAM	50	0	18.64	18.56	18.59								
10	16QAM	1	0	18.44	18.42	18.37	20	2						
10	16QAM	1	25	18.23	18.45	18.43								
10	16QAM	1	49	18.37	18.51	18.29	19	3						
10	16QAM	25	0	17.62	17.45	17.54								
10	16QAM	25	12	17.58	17.45	17.54	17	5						
10	16QAM	25	25	17.63	17.37	17.59								
10	16QAM	50	0	17.72	17.54	17.63	17	5						
10	256QAM	1	0	15.51	15.35	15.52								
10	256QAM	1	25	15.53	15.38	15.45	17	5						
10	256QAM	1	49	15.31	15.40	15.44								
10	256QAM	25	0	15.53	15.46	15.52	17	5						
10	256QAM	25	12	15.44	15.33	15.34								
10	256QAM	25	25	15.56	15.44	15.43	17	5						
10	256QAM	50	0	15.56	15.44	15.43								
Channel														
Frequency (MHz)														
5	QPSK	1	0	20.34	20.36	20.43	22	0						
5	QPSK	1	12	20.48	20.22	20.36								
5	QPSK	1	24	20.39	20.37	20.40	21	1						
5	QPSK	12	0	19.37	19.17	19.37								
5	QPSK	12	7	19.08	19.45	19.51	21	1						
5	QPSK	12	15	19.16	19.40	19.47								
5	QPSK	25	0	19.06	19.28	19.36	21	1						
5	16QAM	1	0	19.54	19.34	19.41								
5	16QAM	1	12	19.62	19.21	19.48	21	1						
5	16QAM	1	24	19.62	19.37	19.40								
5	16QAM	12	0	18.47	18.24	18.42	20	2						
5	16QAM	12	7	18.50	18.35	18.38								
5	16QAM	12	13	18.06	18.43	18.45	20	2						
5	16QAM	25	0	18.72	18.27	18.40								
5	16QAM	25	7	18.43	18.39	18.39	20	2						
5	16QAM	1	12	18.59	18.22	18.29								
5	16QAM	1	24	18.64	18.29	18.39	19	3						
5	16QAM	12	7	17.56	17.51	17.64								
5	16QAM	12	13	17.66	17.51	17.41	17	5						
5	16QAM	25	0	17.71	17.40	17.50								
5	16QAM	1	0	15.53	15.36	15.34	17	5						
5	256QAM	1	12	15.66	15.28	15.32								
5	256QAM	1	24	15.67	15.40	15.40	17	5						
5	256QAM	12	0	15.59	15.27	15.50								
5	256QAM	12	7	15.62	15.39	15.46	17	5						
5	256QAM	12	13	15.54	15.36	15.47								
5	256QAM	25	0	15.78	15.29	15.35	17	5						
5	256QAM	25	7	15.78	15.29	15.35								
Channel														
Frequency (MHz)														
3	QPSK	1	0	20.48	20.31	20.45	22	0						
3	QPSK	1	8	20.37	20.42	20.45								
3	QPSK	1	16	20.42	20.38	20.41	21	1						
3	QPSK	8	0	19.65	19.26	19.48								
3	QPSK	8	8	19.65	19.26	19.48	21	1						
3	QPSK	8	16	19.69	19.36	19.53								
3	QPSK	15	0	19.62	19.36	19.58	21	1						
3	QPSK	15	8	19.62	19.36	19.58								
3	QPSK	30	0	19.66	19.38	19.49	21	1						
3	QPSK	30	8	19.66	19.38	19.49								
3	QPSK	1	14	19.56	19.31	19.54	20	2						
3	QPSK	1	22	19.46	19.34	19.34								
3	QPSK	8	0	18.66	18.27	18.56	20	2						
3	QPSK	8	8	18.66	18.31	18.45								
3	QPSK	8	16	18.67	18.33	18.41	20	2						
3	QPSK	1	0	18.57	18.25	18.44								
3	QPSK	8	0	18.62	18.38	18.52	19	3						
3	QPSK	8	8	18.62	18.38	18.52								
3	QPSK	8	16	18.66	18.29	18.47	17	5						
3	QPSK	15	0	17.47	17.31	17.31								
3	16QAM	1	0	15.43	15.32	15.35	17	5						
3	16QAM	1	8	15.48	15.37	15.41								
3	16QAM	1	16	15.48	15.37	15.41	17	5						
3	16QAM	1	24	15.48	15.36	15.48								
3	16QAM	8	0	15.51	15.27	15.45	17	5						
3	16QAM	8	8	15.49	15.28	15.48								
3	16QAM	8	16	15.74	15.46	15.49	17	5						
3	256QAM	15	0	15.76	15.40	15.47								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	20.42	20.25	20.28	22	0						
1.4	QPSK	1	8	20.37	20.25	20.28								
1.4	QPSK	1	16	20.42	20.38	20.41	22	0						
1.4	QPSK	3	0	20.24	20.31	20.17								
1.4	QPSK	3	8	20.34	20.27	20.23	21	1						
1.4	QPSK	3	16	20.50	20.25	20.28								
1.4	QPSK	6	0	19.56	19.37	19.36	21	1						
1.4	QPSK	6	8	19.56	19.38	19.38								
1.4	QPSK	12	0	19.63	19.24	19.31	21	1						
1.4	QPSK	12	8	19.63	19.24	19.31								
1.4	QPSK	1	0	18.58	18.28	18.34	20	2						
1.4	QPSK	1	8	18.58	18.28	18.34								
1.4	QPSK	1	16	18.61	18.33	18.35	20	2						
1.4	QPSK	1	24	18.61	18.33	18.35								
1.4	QPSK	6	0	18.53										

Band 66 ENDC Body-Worn&Handheld																		
BW [MHz]	Modulation	RB Size	RB Offset	Power Low [dBm]	Power Mid [dBm]	Power High [dBm]	Turn-up time [sec]	MPE [dB]										
Channel																		
Frequency [MHz]				1720	1745	1770												
20	QPSK	1	0	21.18	21.28	21.15	22	0										
20	QPSK	1	49	21.17	21.08	21.28												
20	QPSK	1	99	21.21	21.14	21.03												
20	QPSK	50	0	20.21	20.35	20.28												
20	QPSK	50	24	20.22	20.27	20.31												
20	QPSK	50	50	20.15	20.21	20.31	21	1										
20	QPSK	100	0	20.21	20.23	20.19												
20	16QAM	1	0	20.52	20.30	20.37												
20	16QAM	1	49	20.31	20.33	20.47												
20	16QAM	50	0	19.30	19.19	19.28												
20	16QAM	50	24	19.33	19.20	19.29	20	2										
20	16QAM	100	0	19.28	19.12	19.33												
20	64QAM	1	0	19.44	19.20	19.40												
20	64QAM	1	49	19.38	19.25	19.20												
20	64QAM	50	0	19.60	19.49	19.41												
20	64QAM	50	0	19.28	19.19	19.33	19	3										
20	64QAM	50	24	19.24	19.19	19.20												
20	64QAM	100	0	19.20	19.17	19.36												
20	256QAM	1	0	19.97	19.79	19.77												
20	256QAM	1	49	19.75	19.65	19.71												
20	256QAM	1	99	19.80	19.82	19.81	17	5										
20	256QAM	50	0	19.43	19.30	19.33												
20	256QAM	50	24	19.33	19.27	19.38												
20	256QAM	50	50	19.29	19.26	19.37												
20	256QAM	100	0	19.09	19.21	19.29												
Channel																		
Frequency [MHz]				1717.7	1745	1773.3	Turn-up time [sec]	MPE [dB]										
18	QPSK	1	0	21.18	21.08	21.24	22	0										
18	QPSK	1	37	21.17	20.98	21.19												
18	QPSK	1	74	21.08	20.94	21.21												
18	QPSK	36	0	20.25	20.13	20.24												
18	QPSK	36	20	20.19	20.21	20.28												
18	QPSK	36	36	20.13	20.11	20.34	21	1										
18	QPSK	72	0	20.11	20.17	20.24												
18	16QAM	1	0	20.43	20.33	20.37												
18	16QAM	1	37	20.41	20.42	20.52												
18	16QAM	36	0	20.23	20.41	20.30												
18	16QAM	36	0	19.22	19.10	19.27	20	2										
18	16QAM	36	20	19.21	19.13	19.13												
18	16QAM	36	20	19.11	19.14	19.21												
18	16QAM	72	0	19.17	19.14	19.22												
18	16QAM	1	0	19.31	19.15	19.19												
18	256QAM	1	37	19.38	19.35	19.37	20	2										
18	64QAM	1	74	19.21	19.83	19.45												
18	64QAM	36	0	19.22	19.06	19.21												
18	64QAM	36	20	19.16	19.16	19.29												
18	64QAM	36	36	19.12	19.10	19.37												
18	256QAM	1	0	19.23	19.16	19.22	19	3										
18	256QAM	1	37	19.23	19.16	19.22												
18	256QAM	1	74	19.24	19.16	19.22												
18	256QAM	36	0	19.43	19.31	19.35												
18	256QAM	36	20	19.27	19.33	19.33												
18	256QAM	36	20	19.24	19.27	19.34	17	5										
18	256QAM	72	0	19.14	19.19	19.33												
Channel																		
Frequency [MHz]				1710.2	1732.2	1754.2	Turn-up time [sec]	MPE [dB]										
18	QPSK	1	0	21.14	21.04	21.07	22	0										
18	QPSK	1	25	21.13	21.03	21.01												
18	QPSK	1	49	21.04	21.03	21.12												
18	QPSK	25	0	20.31	20.12	20.21												
18	QPSK	25	12	20.28	20.22	20.26												
18	QPSK	25	12	20.25	20.21	20.27	21	1										
18	QPSK	50	0	20.36	20.19	20.26												
18	16QAM	1	0	20.35	20.31	20.51												
18	16QAM	1	25	20.28	20.36	20.32												
18	16QAM	1	49	20.18	20.34	20.18												
18	16QAM	25	0	19.42	19.25	19.19	20	2										
18	16QAM	25	12	19.39	19.24	19.21												
18	16QAM	25	12	19.32	19.30	19.32												
18	16QAM	50	0	19.33	19.10	19.29												
18	16QAM	1	0	19.65	19.41	19.40												
18	64QAM	1	25	19.48	19.44	19.48	20	2										
18	64QAM	1	49	19.30	19.31	19.66												
18	64QAM	25	12	19.32	19.24	19.25												
18	64QAM	25	12	19.32	19.24	19.25												
18	64QAM	25	25	19.27	19.11	19.20												
18	256QAM	1	0	19.56	19.14	19.26	19	3										
18	256QAM	1	0	19.52	19.77	19.57												
18	256QAM	1	25	19.88	19.64	19.62												
18	256QAM	1	49	19.84	19.85	19.84												
18	256QAM	25	0	19.42	19.30	19.41												
18	256QAM	25	12	19.28	19.40	19.24	17	5										
18	256QAM	25	12	19.28	19.40	19.24												
18	256QAM	50	0	19.08	19.13	19.29												
Channel																		
Frequency [MHz]				1719.7	1732.2	1754.7	Turn-up time [sec]	MPE [dB]										
5	QPSK	1	0	21.15	21.06	20.99	22	0										
5	QPSK	1	12	21.13	21.05	20.98												
5	QPSK	1	24	21.18	20.96	21.21												
5	QPSK	12	0	20.28	20.10	20.20												
5	QPSK	12	7	20.32	20.19	20.22												
5	QPSK	12	7	20.32	20.14	20.22	21	1										
5	QPSK	25	0	20.37	20.11	20.23												
5	16QAM	1	0	20.55	20.47	20.44												
5	16QAM	1	12	20.55	20.52	20.47												
5	16QAM	1	24	20.50	20.20	20.07		21	1									
5	16QAM	12	0	19.30	19.19	19.45												
5	16QAM	12	7	19.32	19.14	19.31												
5	16QAM	12	13	19.28	19.00	19.31												
5	16QAM	25	0	19.37	19.16	19.20												
5	16QAM	25	12	19.28	19.34	19.26	20	2										
5	16QAM	1	12	19.52	19.37	19.26												
5	16QAM	1	25	19.27	19.29	19.26												
5	16QAM	12	13	19.28	19.28	19.28												
5	16QAM	12	7	19.38	19.22	19.20												
5	16QAM	12	13	19.22	19.15	19.24	19	3										
5	16QAM	12	13	19.28	19.30	19.28												
5	256QAM	1	0	19.84	19.76	19.63												
5	256QAM	1	12	19.84	19.76	19.63												
5	256QAM	1	24	19.91	19.76	19.75												
5	256QAM	12	0	19.34	19.40	19.43	17	5										
5	256QAM	12	7	19.34	19.40	19.43												
5	256QAM	12	13	19.33	19.25	19.46												
5	256QAM	25	0	19.11	19.13	19.35												
5	256QAM	25	12	19.11	19.13	19.35												
Channel																		
Frequency [MHz]				1711.5	1745	1779.3	Turn-up time [sec]	MPE [dB]										
3	QPSK	1	0	21.22	21.07	20.96	22	0										
3	QPSK	1	6	21.21	21.04	21.09												
3	QPSK	1	12	21.20	21.09	21.22												
3	QPSK	8	0	20.31	20.17	20.20												
3	QPSK	8	6	20.34	20.16	20.22												
3	QPSK	8	12	20.34	20.16	20.22	21	1										
3	QPSK	15	0	20.26	20.08	20.20												
3	QPSK	15	6	20.27	20.09	20.21												
3	QPSK	15	12	20.09	20.04	20.40												
3	QPSK	1	14	20.60	20.28	20.42												
3	16QAM	1	0	20.52	20.35	20.41	20	2										
3	16QAM	1	6	20.53	20.36	20.42												
3	16QAM	8	0	20.38	20.22	20.34												
3	16QAM	8	6	20.38	20.22	20.34												
3	16QAM	8	12	20.38	20.22	20.34												
3	16QAM	1	14	20.60	20.28	20.42	21	1										
3	16QAM	1	6	20.52	20.35	20.41												
3	16QAM	8	0	20.38	20.13	20.27												
3	16QAM	8	6	20.38	20.16	20.33												
3	16QAM	8	12	20.38	20.16	20.33												
3	16QAM	1	0	19.55	19.41	19.40	20	2										
3	16QAM	1	6	19.59	19.35	19.67												
3	16QAM	1	12	19.59	19.35	19.67												
3	16QAM	8	0	19.43	19.06	19.20												
3	16QAM	8	6	19.46	19.26	19.32												
3	16QAM	8	12	19.46	19.26	19.32	19	3										
3	16QAM	15	0	19.25	19.08	19.25												
3	256QAM	1	0	19.79	19.60	19.67												
3	256QAM	1	6	19.79	19.60	19.67												
3	256QAM	1	12	19.77	19.62	19.67												
3	256QAM	1	14	19.84	19.64	19.71	17	5										
3	256QAM	8	0	19.34	19.46	19.40												
3	256QAM	8	6	19.37	19.46	19.40												
3	256QAM	8	12	19.37	19.46	19.40												
3	256QAM	15	0	19.18	19.19	19.35												
Channel																		
Frequency [MHz]				1717.5	1745	1779.3	Turn-up time [sec]	MPE [dB]										
1.4	QPSK	1	0	21.02	20.97	20.96	22	0										
1.4	QPSK	1	0	21.02	20.95	20.92												
1.4	QPSK	1	0	21.07	20.87	21.03												
1.4	QPSK	3	0	20.80	20.81	20.82												
1.4	QPSK	3	0	21.02	20.81	21.02												
1.4	QPSK	3	0	20.80	20.81	20.82	21	1										
1.4	QPSK	6	0	20.30	20.99	20.10												
1.4	QPSK	6	0	20.30	20.99	20.10												
1.4	QPSK	3	0	20.80	20.81	20.82												
1.4	QPSK	3	0	20.80	20.81	20.82												
1.4	QPSK	1	0	20.67	20.46	20.50	20	2										
1.4	QPSK	1	0	20.45	20.19	20.33												
1.4	QPSK	1	0	20.23	20.10	20.20												
1.4	QPSK	1	0	20.23	20.10	20.20												
1.4	QPSK	1	0	20.23	20.10	20.20												
1.4	QPSK																	

Reduced Power Mode for Hotspot on

GSM1800	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)								
GSM 1 Tx slot	29.37	29.24	29.36	30.50	20.37	20.24	20.36	21.50
GPRS 1 Tx slot	29.24	29.22	29.31	30.50	20.24	20.22	20.31	21.50
GPRS 2 Tx slots	26.20	26.35	26.25	27.50	20.20	20.35	20.25	21.50
GPRS 3 Tx slots	24.05	24.27	24.19	25.50	19.79	20.01	19.93	21.24
GPRS 4 Tx slots	22.91	22.78	22.82	24.00	19.91	19.78	19.82	21.00
EDGE 1 Tx slot	24.27	24.26	24.23	25.50	15.27	15.26	15.23	16.50
EDGE 2 Tx slots	23.38	23.15	23.06	24.50	17.38	17.15	17.06	18.50
EDGE 3 Tx slots	22.80	22.50	22.66	24.00	18.54	18.24	18.40	19.74
EDGE 4 Tx slots	21.60	21.40	21.38	23.00	18.60	18.40	18.38	20.00

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	20.50	20.54	20.39	21.50	18.87	18.89	18.77	19.50
3GPP Rel 99	RMC 12.2Kbps	20.48	20.67	20.52	21.50	18.89	18.89	18.81	19.50
3GPP Rel 6	HSDPA Subtest-1	19.82	19.83	19.98	21.00	18.13	18.17	18.21	19.00
3GPP Rel 6	HSDPA Subtest-2	19.81	19.82	19.99	21.00	18.10	18.16	18.19	19.00
3GPP Rel 6	HSDPA Subtest-3	19.34	19.35	19.47	20.50	17.63	17.64	17.71	18.50
3GPP Rel 6	HSDPA Subtest-4	19.33	19.30	19.47	20.50	17.63	17.63	17.68	18.50
3GPP Rel 8	DC-HSDPA Subtest-1	19.80	19.76	19.87	21.00	18.02	18.04	18.15	19.00
3GPP Rel 8	DC-HSDPA Subtest-2	19.77	19.70	19.88	21.00	18.04	18.02	18.05	19.00
3GPP Rel 8	DC-HSDPA Subtest-3	19.28	19.29	19.34	20.50	17.57	17.56	17.61	18.50
3GPP Rel 8	DC-HSDPA Subtest-4	19.16	19.18	19.39	20.50	17.52	17.50	17.55	18.50
3GPP Rel 6	HSUPA Subtest-1	19.58	19.57	19.52	21.00	18.17	18.09	18.19	19.00
3GPP Rel 6	HSUPA Subtest-2	17.59	17.59	17.51	19.00	16.01	16.04	16.15	17.00
3GPP Rel 6	HSUPA Subtest-3	18.62	18.59	18.59	20.00	17.11	17.07	17.18	18.00
3GPP Rel 6	HSUPA Subtest-4	17.60	17.60	17.63	19.00	16.13	16.10	16.19	17.00
3GPP Rel 6	HSUPA Subtest-5	19.60	19.60	19.70	21.00	18.10	18.06	18.20	19.00



Band 2 Hotspot										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Turn-up time (sec)	MPE (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	20.37	20.54	20.52	21.5	0		
20	QPSK	1	49	20.38	20.48	20.33				
20	QPSK	1	99	20.22	20.39	20.34				
20	QPSK	50	0	19.47	19.53	19.48				
20	QPSK	50	24	19.48	19.32	19.33				
20	QPSK	50	50	19.41	19.34	19.32	20.5	1		
20	QPSK	100	0	19.40	19.52	19.43				
20	16QAM	1	0	19.88	19.89	19.87				
20	16QAM	1	49	19.77	19.78	19.73				
20	16QAM	1	99	19.85	19.89	19.74				
20	16QAM	50	0	19.53	19.59	19.45	19.5	2		
20	16QAM	50	24	19.51	19.59	19.43				
20	16QAM	50	50	19.34	19.52	19.47				
20	64QAM	1	0	19.35	19.27	19.17				
20	64QAM	1	49	19.15	19.46	19.36				
20	64QAM	50	0	19.38	19.39	19.26	18.5	3		
20	64QAM	50	24	19.43	19.34	19.43				
20	64QAM	100	0	19.54	19.54	19.45				
20	256QAM	1	0	19.76	19.81	19.84				
20	256QAM	1	49	19.51	19.74	19.80				
20	256QAM	1	99	19.74	19.48	19.80	18.5	5		
20	256QAM	50	0	19.74	19.52	19.86				
20	256QAM	50	24	19.85	19.55	19.78				
20	256QAM	50	50	19.59	19.54	19.44				
20	256QAM	100	0	19.58	19.51	19.42				
Channel										
Frequency (MHz)										
18	QPSK	1	0	18.57	18.80	19.07	21.5	0		
18	QPSK	1	49	18.42	18.48	18.34				
18	QPSK	1	99	18.26	18.35	18.24				
18	QPSK	36	0	19.51	19.45	19.38				
18	QPSK	36	29	19.51	19.37	19.38				
18	QPSK	36	39	19.41	19.52	19.44	20.5	1		
18	QPSK	75	0	19.52	19.52	19.42				
18	16QAM	1	0	19.73	19.73	19.63				
18	16QAM	1	37	19.67	19.72	19.64				
18	16QAM	1	74	19.62	19.74	19.70				
18	16QAM	36	0	19.40	19.57	19.50	19.5	2		
18	16QAM	36	20	19.48	19.48	19.61				
18	16QAM	36	29	19.58	19.48	19.48				
18	16QAM	75	0	19.48	19.48	19.48				
18	64QAM	1	0	19.38	19.49	19.37				
18	64QAM	1	37	19.33	19.52	19.37	19.5	2		
18	64QAM	1	74	19.40	19.29	19.40				
18	64QAM	36	0	19.22	19.38	19.18				
18	64QAM	36	29	19.46	19.34	19.32				
18	64QAM	36	39	19.41	19.25	19.26				
18	64QAM	75	0	19.44	19.25	19.34	18.5	3		
18	256QAM	1	0	19.68	19.68	19.68				
18	256QAM	1	37	19.78	19.59	19.70				
18	256QAM	1	74	19.57	19.51	19.62				
18	256QAM	36	0	19.28	19.41	19.46				
18	256QAM	36	20	19.75	19.52	19.55	18.5	5		
18	256QAM	36	29	19.44	19.55	19.31				
18	256QAM	75	0	19.40	19.40	19.54				
Channel										
Frequency (MHz)										
18	QPSK	1	0	18.63	18.86	19.00	21.5	0		
18	QPSK	1	49	18.61	18.81	18.94				
18	QPSK	1	99	18.45	18.61	18.65				
18	QPSK	36	0	19.55	19.49	19.42				
18	QPSK	36	29	19.55	19.39	19.40				
18	QPSK	36	39	19.45	19.56	19.48	20.5	1		
18	QPSK	75	0	19.56	19.56	19.46				
18	16QAM	1	0	19.76	19.76	19.66				
18	16QAM	1	37	19.70	19.75	19.67				
18	16QAM	1	74	19.71	19.75	19.70				
18	16QAM	36	0	19.46	19.63	19.56	19.5	2		
18	16QAM	36	20	19.54	19.54	19.67				
18	16QAM	36	29	19.64	19.54	19.54				
18	16QAM	75	0	19.54	19.54	19.54				
18	64QAM	1	0	19.36	19.47	19.35				
18	64QAM	1	49	19.17	19.48	19.38	18.5	3		
18	64QAM	1	99	19.17	19.48	19.38				
18	64QAM	36	0	19.26	19.42	19.22				
18	64QAM	36	29	19.41	19.31	19.31				
18	64QAM	36	39	19.36	19.26	19.26				
18	64QAM	75	0	19.38	19.29	19.30	18.5	5		
18	256QAM	1	0	19.62	19.62	19.62				
18	256QAM	1	49	19.47	19.63	19.63				
18	256QAM	1	99	19.47	19.63	19.63				
18	256QAM	36	0	19.34	19.54	19.55				
18	256QAM	36	29	19.54	19.34	19.55	18.5	5		
18	256QAM	36	39	19.26	19.53	19.53				
18	256QAM	75	0	19.34	19.53	19.53				
18	256QAM	75	0	19.34	19.53	19.53	18.5	5		
18	256QAM	75	0	19.34	19.53	19.53				
18	256QAM	75	0	19.34	19.53	19.53				
Channel										
Frequency (MHz)										
3	QPSK	1	0	20.40	20.40	20.51	21.5	0		
3	QPSK	1	12	20.39	20.39	20.48				
3	QPSK	1	24	20.49	20.40	20.52				
3	QPSK	12	0	19.48	19.48	19.47				
3	QPSK	12	7	19.48	19.57	19.58				
3	QPSK	12	13	19.49	19.38	19.44	20.5	1		
3	QPSK	25	0	19.40	19.33	19.35				
3	16QAM	1	0	19.73	19.59	19.58				
3	16QAM	1	12	19.65	19.45	19.68				
3	16QAM	1	19	19.61	19.68	19.68				
3	16QAM	12	0	19.44	19.43	19.41	19.5	2		
3	16QAM	12	7	19.59	19.67	19.66				
3	16QAM	12	13	19.53	19.45	19.42				
3	16QAM	25	0	19.58	19.52	19.55				
3	16QAM	1	0	19.93	19.70	19.66				
3	64QAM	1	0	19.54	19.73	19.63	19.5	2		
3	64QAM	1	24	19.63	19.73	19.79				
3	64QAM	12	0	17.81	17.62	17.29				
3	64QAM	12	13	17.68	17.62	17.56				
3	64QAM	12	13	17.77	17.65	17.55				
3	64QAM	25	0	17.98	17.81	17.47	18.5	3		
3	256QAM	1	0	19.99	19.89	19.89				
3	256QAM	1	12	19.68	19.86	19.72				
3	256QAM	1	24	19.64	19.59	19.54				
3	256QAM	12	0	19.77	19.59	19.78				
3	256QAM	12	7	19.57	19.59	19.74	18.5	5		
3	256QAM	12	13	19.39	19.66	19.53				
3	256QAM	25	0	19.48	19.58	19.71				
Channel										
Frequency (MHz)										
3	QPSK	1	0	20.40	20.40	20.51	21.5	0		
3	QPSK	1	12	20.39	20.39	20.48				
3	QPSK	1	24	20.49	20.40	20.52				
3	QPSK	12	0	19.48	19.48	19.47				
3	QPSK	12	7	19.48	19.57	19.58				
3	QPSK	12	13	19.49	19.38	19.44	20.5	1		
3	QPSK	25	0	19.40	19.33	19.35				
3	16QAM	1	0	19.73	19.59	19.58				
3	16QAM	1	12	19.65	19.45	19.68				
3	16QAM	1	19	19.61	19.68	19.68				
3	16QAM	12	0	19.44	19.43	19.41	19.5	2		
3	16QAM	12	7	19.59	19.67	19.66				
3	16QAM	12	13	19.53	19.45	19.42				
3	16QAM	25	0	19.58	19.52	19.55				
3	16QAM	1	0	19.93	19.70	19.66				
3	64QAM	1	0	19.54	19.73	19.63	19.5	2		
3	64QAM	1	24	19.63	19.73	19.79				
3	64QAM	12	0	17.81	17.62	17.29				
3	64QAM	12	13	17.68	17.62	17.56				
3	64QAM	12	13	17.77	17.65	17.55				
3	64QAM	25	0	17.98	17.81	17.47	18.5	3		
3	256QAM	1	0	19.99	19.89	19.89				
3	256QAM	1	12	19.68	19.86	19.72				
3	256QAM	1	24	19.64	19.59	19.54				
3	256QAM	12	0	19.77	19.59	19.78				
3	256QAM	12	7	19.57	19.59	19.74	18.5	5		
3	256QAM	12	13	19.39	19.66	19.53				
3	256QAM	25	0	19.48	19.58	19.71				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	20.34	20.28	20.27	21.5	0		
1.4	QPSK	1	49	20.35	20.22	20.29				
1.4	QPSK	1	99	20.29	20.31	20.23				
1.4	QPSK	3	0	20.24	20.22	20.18				
1.4	QPSK	3	49	20.30	20.34	20.30				
1.4	QPSK	3	99	20.50	20.38	20.51	20.5	1		
1.4	QPSK	6	0	19.54	19.61	19.59				
1.4	QPSK	6	49	19.73	19.73	19.71				
1.4	QPSK	1	0	19.76	19.88	19.71				
1.4	QPSK	1	49	19.80	19.82	19.78				
1.4	QPSK	1	99	19.82	19.86	19.80	20.5	1		
1.4	QPSK	3	0	19.57	19.59	19.57				
1.4	QPSK	3	49	19.61	19.67	19.67				
1.4	QPSK	3	99	19.81	19.87	19.87				
1.4	QPSK	6	0	19.54	19.34	19.55				
1.4	QPSK	1	0	19.85	19.35	19.81	19.5	2		
1.4	QPSK	1	49	19.38	19.48	19.45				
1.4	QPSK	1	99	19.47	19.73	19.60				
1.4	QPSK	3	0	19.54	19.34	19.55				
1.4	QPSK	3	49	19.26	19.53	19.53				
1.4	QPSK	3	99	19.72	19.72	19.72	18.5	3		
1.4	QPSK	6	0	19.47	19.52	19.48				
1.4	QPSK	1	0	19.62	19.51	19.52				
1.4	QPSK	1	49	19.61	19.73	19.63				
1.4	QPSK	1	99	19.55	19.70	19.84				
1.4	QPSK	3	0	19.55	19.62	19.65	18.5	5		
1.4	QPSK	3	49	19.44	19.48	19.37				
1.4	QPSK	3	99	19.52	19.57	19.57				
1.4	QPSK	6	0	19.44	19.48	19.47				
1.4	QPSK	6	49	19.51	19.57	19.57				



Band 25 ENDIC Hotspot												
BW (MHz)	Modulation	RIS Size	RF Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up Init. (dB)	APRS (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	17.50	17.50	17.57			19	0		
20	QPSK	1	49	17.57	17.47	17.53						
20	QPSK	1	99	17.53	17.50	17.46			18	1		
20	QPSK	50	0	16.76	16.78	16.59						
20	QPSK	50	24	16.73	16.68	16.63			18	1		
20	QPSK	50	50	16.72	16.57	16.40						
20	QPSK	100	0	16.64	16.71	16.56			18	1		
20	16QAM	1	0	16.75	16.67	16.80						
20	16QAM	1	49	16.90	16.81	16.86			18	1		
20	16QAM	1	99	16.89	16.81	16.68						
20	16QAM	50	0	15.74	15.74	15.55			17	2		
20	16QAM	50	24	15.74	15.65	15.59						
20	16QAM	50	50	15.70	15.63	15.62			16	3		
20	16QAM	100	0	15.65	15.59	15.50						
20	84QAM	1	0	16.45	16.34	16.19			17	2		
20	84QAM	1	49	16.35	16.22	16.25						
20	84QAM	1	99	16.45	16.21	16.28			16	3		
20	84QAM	50	0	15.45	15.30	15.20						
20	84QAM	50	24	15.41	15.21	15.25			16	3		
20	84QAM	100	0	15.40	15.30	15.20						
20	256QAM	1	0	13.22	12.93	12.98			14	5		
20	256QAM	1	99	13.11	13.00	13.04						
20	256QAM	50	0	13.06	12.83	12.86			14	5		
20	256QAM	50	24	13.03	12.85	12.89						
20	256QAM	50	50	12.86	12.83	12.82			14	5		
20	256QAM	100	0	12.75	12.79	12.80						
Channel												
Frequency (MHz)												
16	QPSK	1	0	17.61	17.56	17.50			19	0		
16	QPSK	1	37	17.64	17.45	17.40						
16	QPSK	1	74	17.54	17.49	17.40			18	1		
16	QPSK	36	0	16.65	16.66	16.63						
16	QPSK	36	25	16.66	16.45	16.40			18	1		
16	QPSK	36	39	16.61	16.61	16.61						
16	16QAM	75	0	16.70	16.60	16.63			18	1		
16	16QAM	75	0	16.74	16.67	16.73						
16	16QAM	1	37	16.89	16.82	16.83			17	2		
16	16QAM	1	74	16.82	16.81	16.84						
16	16QAM	36	0	15.62	15.70	15.55			17	2		
16	16QAM	36	20	15.67	15.66	15.67						
16	84QAM	1	37	15.73	15.64	15.64			17	2		
16	84QAM	1	74	15.62	15.60	15.64						
16	84QAM	1	0	15.76	15.72	15.80			16	3		
16	84QAM	1	37	15.62	15.60	15.61						
16	84QAM	1	74	15.76	15.65	15.67			16	3		
16	84QAM	36	0	14.70	14.77	14.86						
16	84QAM	36	25	14.76	14.63	14.72			16	3		
16	84QAM	36	39	14.66	14.61	14.55						
16	84QAM	75	0	14.73	14.66	14.76			16	3		
16	256QAM	1	0	12.11	12.11	12.11						
16	256QAM	1	37	12.86	12.79	12.79			14	5		
16	256QAM	1	74	13.16	12.96	13.12						
16	256QAM	36	0	12.86	12.86	12.87			14	5		
16	256QAM	36	20	13.04	12.94	12.96						
16	256QAM	36	39	12.78	12.64	12.64			14	5		
16	256QAM	75	0	12.62	12.62	12.69						
Channel												
Frequency (MHz)												
10	QPSK	1	0	17.68	17.61	17.50			19	0		
10	QPSK	1	25	17.62	17.57	17.56						
10	QPSK	1	49	17.62	17.52	17.57			18	1		
10	QPSK	25	0	16.67	16.67	16.63						
10	QPSK	25	12	16.67	16.63	16.63			18	1		
10	QPSK	25	25	16.68	16.61	16.71						
10	16QAM	75	0	16.73	16.67	16.73			18	1		
10	16QAM	75	0	16.97	16.89	16.89						
10	16QAM	1	25	17.03	16.94	16.80			17	2		
10	16QAM	1	49	16.96	16.84	16.84						
10	16QAM	25	0	15.71	15.63	15.59			16	3		
10	16QAM	25	12	15.72	15.66	15.72						
10	16QAM	36	0	15.73	15.66	15.64			16	3		
10	16QAM	36	24	15.73	15.64	15.64						
10	16QAM	50	0	15.71	15.61	15.55			17	2		
10	16QAM	50	0	15.62	15.71	15.76						
10	84QAM	1	24	15.81	15.66	15.62			16	3		
10	84QAM	1	49	15.68	15.65	15.67						
10	84QAM	25	0	14.68	14.73	14.65			14	5		
10	84QAM	25	12	14.75	14.67	14.73						
10	84QAM	25	25	14.73	14.66	14.72			14	5		
10	84QAM	50	0	14.76	14.60	14.68						
10	256QAM	1	0	12.68	12.53	12.58			14	5		
10	256QAM	1	25	12.81	12.72	12.76						
10	256QAM	1	49	13.14	12.92	13.14			14	5		
10	256QAM	25	0	12.56	12.54	12.51						
10	256QAM	25	12	13.09	13.03	12.87			14	5		
10	256QAM	25	25	12.72	12.66	12.59						
10	256QAM	50	0	12.78	12.60	12.75			20	2		
10	256QAM	50	0	12.78	12.64	12.64						
Channel												
Frequency (MHz)												
5	QPSK	1	0	17.66	17.60	17.50			19	0		
5	QPSK	1	12	17.59	17.42	17.43						
5	QPSK	1	24	17.64	17.54	17.65			18	1		
5	QPSK	12	0	16.66	16.66	16.63						
5	QPSK	12	7	16.75	16.68	16.67			18	1		
5	QPSK	12	13	16.68	16.62	16.69						
5	QPSK	20	0	16.66	16.66	16.63			18	1		
5	16QAM	1	0	16.61	16.67	16.60						
5	16QAM	1	12	16.81	16.46	16.64			17	2		
5	16QAM	1	24	16.75	16.77	16.77						
5	16QAM	12	0	15.68	15.62	15.56			17	2		
5	16QAM	12	7	15.74	15.66	15.70						
5	16QAM	12	13	15.72	15.53	15.62			16	3		
5	16QAM	25	0	15.74	15.69	15.63						
5	84QAM	1	0	15.81	15.73	15.86			17	2		
5	84QAM	1	12	15.83	15.66	15.69						
5	84QAM	1	24	15.84	15.87	15.92			16	3		
5	84QAM	12	0	14.74	14.63	14.62						
5	84QAM	12	7	14.79	14.73	14.73			16	3		
5	84QAM	12	13	14.77	14.70	14.66						
5	84QAM	20	0	14.66	14.60	14.55			14	5		
5	256QAM	1	0	12.68	12.61	12.58						
5	256QAM	1	12	12.80	12.73	12.71			14	5		
5	256QAM	1	24	13.14	12.97	13.15						
5	256QAM	12	0	12.97	12.93	12.88			14	5		
5	256QAM	12	7	13.02	13.04	12.99						
5	256QAM	15	0	12.67	12.65	12.60			20	2		
5	256QAM	15	0	12.89	12.88	12.89						
Channel												
Frequency (MHz)												
3	QPSK	1	0	17.57	17.57	17.45			19	0		
3	QPSK	1	8	17.57	17.53	17.64						
3	QPSK	1	14	17.49	17.56	17.49			18	1		
3	QPSK	8	0	16.67	16.68	16.56						
3	QPSK	8	4	16.62	16.57	16.51			18	1		
3	QPSK	8	10	16.66	16.63	16.63						
3	QPSK	16	0	16.65	16.54	16.54			18	1		
3	QPSK	1	0	16.56	16.77	17.11						
3	16QAM	1	0	16.66	16.66	16.66			18	1		
3	16QAM	1	14	16.89	16.80	16.84						
3	16QAM	1	8	16.70	16.61	16.69			17	2		
3	16QAM	1	14	16.75	16.65	16.64						
3	16QAM	8	7	16.72	16.59	16.70			17	2		
3	16QAM	8	15	16.76	16.66	16.66						
3	16QAM	1	0	16.26	16.16	16.13			16	3		
3	84QAM	1	8	16.42	16.47	16.48						
3	84QAM	1	14	16.47	16.27	16.41			16	3		
3	84QAM	8	0	15.40	15.23	15.37						
3	84QAM	8	4	15.48	15.41	15.34			16	3		
3	84QAM	16	0	15.43	15.41	15.33						
3	256QAM	1	0	12.89	12.92	12.89			14	5		
3	256QAM	1	14	13.12	12.92	13.10						
3	256QAM	1	14	13.13	12.92	13.10			14	5		
3	256QAM	8	0	12.99	12.87	12.98						
3	256QAM	8	4	13.06	12.90	13.01			14	5		
3	256QAM	8	7	12.72	12.63	12.71						
3	256QAM	16	0	12.70	12.66	12.71			20	2		
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	17.50	17.47	17.56					19	0
1.4	QPSK	1	15	17.52	17.47	17.62						
1.4	QPSK	1	30	17.49	17.42	17.61			18	1		
1.4	QPSK	3	0	17.30	17.24	17.26						
1.4	QPSK	3	15	17.54	17.49	17.54			18	1		
1.4	QPSK	3	30	17.50	17.42	17.53						
1.4	16QAM	1	0	16.56	16.47	16.57			18	1		
1.4	16QAM	1	15	16.73	16.68	16.68						
1.4	16QAM	1	30	16.73	16.69	16.56			18	1		
1.4	16QAM	3	0	16.63	16.59	16.58						
1.4	16QAM	3	15	16.61	16.53	16.54			17	2		
1.4	16QAM	3	30	16.65	16.61</							



Band 4 ENDC Hotspot										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turn-up Intvl. (dB)	MPE (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	18.30	18.33	18.15				
20	QPSK	1	49	18.12	18.11	18.15	19.5	0		
20	QPSK	1	99	18.12	18.31	18.15				
20	QPSK	50	0	17.38	17.44	17.38				
20	QPSK	24	17.34	17.24	17.28					
20	QPSK	50	50	17.38	17.30	17.29	18.5	1		
20	QPSK	100	0	17.21	17.31	17.27				
20	QPSK	50	0	17.68	17.57	17.69				
20	HQAM	1	49	17.38	17.48	17.47	18.5	1		
20	HQAM	1	99	17.47	17.54	17.54				
20	HQAM	50	0	16.48	16.31	16.49				
20	HQAM	50	24	16.39	16.21	16.39	17.5	2		
20	HQAM	50	50	16.37	16.26	16.27				
20	HQAM	100	0	16.36	16.18	16.22				
20	HQAM	1	49	16.26	16.27	16.31	17.5	2		
20	HQAM	50	99	16.29	16.18	16.19				
20	HQAM	50	0	15.46	15.31	15.40				
20	HQAM	50	24	15.49	15.29	15.39	16.5	3		
20	HQAM	50	50	15.33	15.27	15.26				
20	HQAM	100	0	15.33	15.33	15.35				
20	HQAM	1	49	13.64	13.68	13.69	14.5	5		
20	256QAM	1	99	13.79	13.78	13.91				
20	256QAM	50	24	13.38	13.40	13.39	14.5	5		
20	256QAM	50	24	13.33	13.31	13.26	14.5	5		
20	256QAM	50	50	13.22	13.30	13.43				
20	256QAM	100	0	13.22	13.29	13.31				
Channel										
Frequency (MHz)										
15	QPSK	1	0	18.30	18.23	18.21				
15	QPSK	1	37	18.27	18.23	18.26	19.5	0		
15	QPSK	1	74	18.16	18.11	18.11				
15	QPSK	36	0	17.29	17.37	17.42				
15	QPSK	20	17.33	17.26	17.41					
15	QPSK	36	36	17.32	17.24	17.27	18.5	1		
15	QPSK	75	0	17.62	17.21	17.64				
15	HQAM	1	49	17.66	17.65	17.64	18.5	1		
15	HQAM	1	37	17.40	17.40	17.49				
15	HQAM	1	24	17.31	17.43	17.49				
15	HQAM	36	0	16.34	16.34	16.40				
15	HQAM	36	20	16.29	16.22	16.28	17.5	2		
15	HQAM	36	39	16.25	16.26	16.29				
15	HQAM	75	0	16.28	16.24	16.31				
15	HQAM	1	0	16.40	16.31	16.28				
15	HQAM	1	37	16.25	16.40	16.49	17.5	2		
15	HQAM	1	74	16.32	16.23	16.47				
15	HQAM	36	0	15.42	15.39	15.38				
15	HQAM	36	20	15.38	15.29	15.39	16.5	3		
15	HQAM	36	39	15.33	15.32	15.35				
15	HQAM	75	0	15.33	15.28	15.33				
15	HQAM	1	49	13.72	13.69	13.68	14.5	5		
15	256QAM	1	37	13.60	13.76	13.68				
15	256QAM	1	74	13.79	13.79	13.87				
15	256QAM	36	0	13.38	13.41	13.38	14.5	5		
15	256QAM	36	20	13.39	13.22	13.31	14.5	5		
15	256QAM	36	39	13.28	13.34	13.39				
15	256QAM	75	0	13.24	13.30	13.33				
Channel										
Frequency (MHz)										
10	QPSK	1	0	18.30	18.26	18.27				
10	QPSK	1	25	18.06	18.03	18.10	19.5	0		
10	QPSK	1	49	18.12	18.11	18.14				
10	QPSK	1	99	18.11	18.11	18.14				
10	QPSK	25	12	17.38	17.32	17.32	18.5	1		
10	QPSK	25	25	17.47	17.36	17.38				
10	QPSK	25	12	17.40	17.27	17.34				
10	HQAM	1	0	17.59	17.61	17.52				
10	HQAM	1	25	17.51	17.54	17.29	18.5	1		
10	HQAM	1	49	17.61	17.48	17.49				
10	HQAM	25	0	16.43	16.24	16.29				
10	HQAM	25	12	16.40	16.40	16.40	17.5	2		
10	HQAM	25	12	16.28	16.20	16.29				
10	HQAM	50	0	16.29	16.28	16.40				
10	HQAM	1	0	16.28	16.34	16.40				
10	HQAM	1	24	16.33	16.24	16.40	17.5	2		
10	HQAM	1	49	16.34	16.38	16.53				
10	HQAM	25	0	15.40	15.18	15.35				
10	HQAM	25	12	15.37	15.26	15.40	16.5	3		
10	HQAM	25	25	15.35	15.28	15.39				
10	HQAM	50	0	15.26	15.33	15.41				
10	256QAM	1	0	13.78	13.62	13.67	14.5	5		
10	256QAM	1	25	13.64	13.75	13.74				
10	256QAM	1	49	13.76	13.71	13.86				
10	256QAM	12	0	13.34	13.50	13.50	14.5	5		
10	256QAM	25	12	13.31	13.26	13.47	14.5	5		
10	256QAM	25	25	13.33	13.31	13.38				
10	256QAM	50	0	13.34	13.40	13.50				
Channel										
Frequency (MHz)										
5	QPSK	1	0	18.23	18.13	18.17				
5	QPSK	1	12	18.23	18.21	18.25	19.5	0		
5	QPSK	1	24	18.25	18.00	18.17				
5	QPSK	12	0	17.39	17.26	17.34				
5	QPSK	12	7	17.39	17.38	17.34	18.5	1		
5	QPSK	12	13	17.28	17.27	17.37				
5	QPSK	25	0	17.39	17.23	17.39				
5	HQAM	1	0	17.38	17.69	17.34				
5	HQAM	1	12	17.48	17.36	17.74	18.5	1		
5	HQAM	1	24	17.56	17.36	17.75				
5	HQAM	12	0	16.23	16.31	16.01				
5	HQAM	12	7	16.39	16.36	16.22	17.5	2		
5	HQAM	12	13	16.39	16.35	16.40				
5	HQAM	25	0	16.34	16.29	16.27				
5	HQAM	1	0	16.25	16.45	16.32				
5	HQAM	1	12	16.66	16.73	16.36	17.5	2		
5	HQAM	1	24	16.66	16.40	16.60				
5	HQAM	12	0	15.40	15.35	15.37				
5	HQAM	12	7	15.43	15.11	15.39	16.5	3		
5	HQAM	12	13	15.35	15.35	15.31				
5	HQAM	25	0	15.40	15.29	15.26				
5	HQAM	1	0	13.76	13.88	13.84	14.5	5		
5	256QAM	1	12	13.61	13.79	13.80				
5	256QAM	1	24	13.77	13.69	13.96				
5	256QAM	12	0	13.41	13.54	13.57	14.5	5		
5	256QAM	12	7	13.25	13.27	13.20	14.5	5		
5	256QAM	12	13	13.41	13.24	13.40				
5	256QAM	25	0	13.30	13.41	13.30				
Channel										
Frequency (MHz)										
3	QPSK	1	0	18.14	18.14	18.17				
3	QPSK	1	8	18.16	18.22	18.24	19.5	0		
3	QPSK	1	14	18.19	18.13	18.27				
3	QPSK	8	0	17.31	17.26	17.21				
3	QPSK	8	4	17.36	17.28	17.27	18.5	1		
3	QPSK	8	7	17.30	17.22	17.30				
3	QPSK	16	0	17.36	17.28	17.25				
3	HQAM	1	0	17.65	17.70	17.33	18.5	1		
3	HQAM	1	8	17.64	17.80	17.77				
3	HQAM	1	14	17.41	17.48	17.75				
3	HQAM	8	0	16.35	16.38	16.19				
3	HQAM	8	4	16.50	16.43	16.37	17.5	2		
3	HQAM	8	7	16.37	16.39	16.35				
3	HQAM	16	0	16.39	16.31	16.35				
3	HQAM	1	0	16.41	16.56	16.56				
3	HQAM	1	8	16.63	16.50	16.34	17.5	2		
3	HQAM	1	14	16.54	16.23	16.51				
3	HQAM	8	0	15.27	15.42	15.27				
3	HQAM	8	7	15.32	15.27	15.21	16.5	3		
3	HQAM	8	7	15.35	15.35	15.33				
3	HQAM	16	0	15.42	15.37	15.33				
3	256QAM	1	0	13.83	13.88	13.87	14.5	5		
3	256QAM	1	8	13.70	13.74	13.86				
3	256QAM	8	4	13.84	13.66	13.96				
3	256QAM	8	0	13.37	13.47	13.57	14.5	5		
3	256QAM	8	4	13.25	13.25	13.24	14.5	5		
3	256QAM	16	0	13.22	13.35	13.28				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	18.15	18.15	18.18				
1.4	QPSK	1	8	18.16	18.22	18.24	19.5	0		
1.4	QPSK	1	16	18.19	18.13	18.27				
1.4	QPSK	8	0	17.31	17.26	17.21				
1.4	QPSK	8	4	17.36	17.28	17.27	18.5	1		
1.4	QPSK	8	7	17.30	17.22	17.30				
1.4	QPSK	16	0	17.36	17.28	17.25				
1.4	HQAM	1	0	17.65	17.70	17.33	18.5	1		
1.4	HQAM	1	8	17.64	17.80	17.77				
1.4	HQAM	1	14	17.41	17.48	17.75				
1.4	HQAM	8	0	16.35	16.38	16.19				
1.4	HQAM	8	4	16.50	16.43	16.37	17.5	2		
1.4	HQAM	8	7	16.37	16.39	16.35				
1.4	HQAM	16	0	16.39	16.31	16.35				
1.4	HQAM	1	0							

Band 7 ENDC Hotspot												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Tune-up Int. (dB)	MIMO (dB)				
Channel 20605 - 21100 - 21500												
Frequency (MHz)												
20	QPSK	1	0	18.12	18.44	18.11	19.5	0				
20	QPSK	1	49	18.22	18.21	18.14						
20	QPSK	1	99	18.41	18.26	17.88						
20	QPSK	50	0	17.40	17.43	17.17	18.5	1				
20	QPSK	50	24	17.43	17.33	17.25						
20	QPSK	50	50	17.37	17.28	17.11						
20	QPSK	100	0	17.13	17.28	17.16	18.5	1				
20	HQAM	1	0	17.45	17.40	17.47						
20	HQAM	1	49	17.48	17.45	17.45						
20	HQAM	1	99	17.48	17.38	17.68	17.5	2				
20	HQAM	50	0	16.97	16.27	16.38						
20	HQAM	50	24	16.98	16.35	16.10						
20	HQAM	50	50	16.40	16.23	16.11	16.5	3				
20	HQAM	100	0	16.29	16.27	16.10						
20	HQAM	1	0	16.43	16.26	16.20						
20	HQAM	1	49	16.46	16.25	16.16	17.5	2				
20	HQAM	1	99	16.42	16.17	16.31						
20	HQAM	50	0	15.98	16.31	15.18						
20	HQAM	50	24	15.45	15.24	15.28	16.5	3				
20	HQAM	50	50	15.41	15.26	15.12						
20	HQAM	100	0	15.20	15.31	15.14						
20	25QAM	1	0	13.45	13.41	13.46	14.5	5				
20	25QAM	1	49	13.40	13.18	13.09						
20	25QAM	1	99	13.14	13.20	13.16						
20	25QAM	50	0	13.32	13.25	13.21	14.5	5				
20	25QAM	50	24	13.35	13.16	13.25						
20	25QAM	50	50	13.22	13.13	13.22						
20	25QAM	100	0	13.26	13.17	13.27	15					
Channel 20605 - 21100 - 21510												
Frequency (MHz)												
15	QPSK	1	0	18.38	18.35	18.19	19.5	0				
15	QPSK	1	37	18.43	18.25	18.05						
15	QPSK	1	74	18.41	18.17	18.08						
15	QPSK	36	0	17.43	17.30	17.17	18.5	1				
15	QPSK	36	20	17.45	17.41	17.21						
15	QPSK	36	36	17.42	17.26	17.14						
15	QPSK	75	0	17.45	17.29	17.16	18.5	1				
15	HQAM	1	0	17.45	17.42	17.32						
15	HQAM	1	37	17.37	17.40	17.11						
15	HQAM	1	74	17.44	17.29	17.34	17.5	2				
15	HQAM	36	0	16.90	16.19	16.13						
15	HQAM	36	20	16.48	16.37	16.18						
15	HQAM	75	0	16.48	16.36	16.24	17.5	2				
15	HQAM	1	0	16.42	16.44	16.31						
15	HQAM	1	37	16.48	16.37	16.35						
15	HQAM	1	74	16.24	16.35	16.10	16.5	3				
15	HQAM	36	0	15.97	16.31	15.05						
15	HQAM	36	20	15.48	15.37	15.22						
15	HQAM	36	36	15.95	15.26	15.10	14.5	5				
15	HQAM	75	0	15.49	15.33	15.24						
15	25QAM	1	0	13.48	13.35	13.25						
15	25QAM	1	37	13.44	13.23	13.21	14.5	5				
15	25QAM	1	74	13.27	13.29	13.21						
15	25QAM	36	0	13.37	13.33	13.25						
15	25QAM	36	20	13.41	13.09	13.37	14.5	5				
15	25QAM	36	36	13.22	13.13	13.28						
15	25QAM	75	0	13.30	13.27	13.28						
Channel 20605 - 21100 - 21490												
Frequency (MHz)												
10	QPSK	1	0	18.28	18.16	18.08	19.5	0				
10	QPSK	1	25	18.20	18.02	17.88						
10	QPSK	1	49	18.26	18.08	17.88						
10	QPSK	25	0	17.49	17.36	17.21	18.5	1				
10	QPSK	25	12	17.50	17.32	17.11						
10	QPSK	25	25	17.46	17.33	17.18						
10	QPSK	36	0	17.48	17.34	17.25	18.5	1				
10	HQAM	1	0	17.52	17.11	16.99						
10	HQAM	1	25	17.39	17.01	17.15						
10	HQAM	1	49	17.24	17.04	16.95	17.5	2				
10	HQAM	25	0	16.49	16.38	16.17						
10	HQAM	25	12	16.47	16.33	16.16						
10	HQAM	25	25	16.45	16.36	16.15	17.5	2				
10	HQAM	50	0	16.48	16.38	16.11						
10	HQAM	1	0	16.33	16.43	16.16						
10	HQAM	1	25	16.47	16.17	16.10	17.5	2				
10	HQAM	1	49	16.26	16.19	16.18						
10	HQAM	25	0	15.46	15.40	15.19						
10	HQAM	25	12	15.45	15.38	15.15	16.5	3				
10	HQAM	25	25	15.47	15.27	15.20						
10	HQAM	50	0	15.41	15.35	15.08						
10	25QAM	1	0	13.46	13.12	13.25	14.5	5				
10	25QAM	1	25	13.39	13.19	13.19						
10	25QAM	1	49	13.10	13.10	13.04						
10	25QAM	25	0	13.20	13.27	13.24	14.5	5				
10	25QAM	25	12	13.41	13.09	13.24						
10	25QAM	25	25	13.15	13.16	13.20						
10	25QAM	50	0	13.25	13.15	13.10	15					
Channel 20775 - 21100 - 21495												
Frequency (MHz)												
5	QPSK	1	0	18.28	18.16	18.08	19.5	0				
5	QPSK	1	12	18.31	18.02	18.07						
5	QPSK	1	24	18.20	18.16	17.84						
5	QPSK	12	0	17.43	17.35	17.11	18.5	1				
5	QPSK	12	7	17.46	17.33	17.20						
5	QPSK	12	13	17.36	17.30	17.07						
5	QPSK	25	0	17.28	17.33	17.20	18.5	1				
5	HQAM	1	0	17.35	17.22	17.34						
5	HQAM	1	12	17.37	17.03	17.34						
5	HQAM	1	24	17.46	17.00	17.27	17.5	2				
5	HQAM	12	0	16.30	16.29	16.28						
5	HQAM	12	7	16.60	16.36	16.18						
5	HQAM	25	0	16.47	16.32	16.15	17.5	2				
5	HQAM	1	0	16.44	16.35	16.44						
5	HQAM	1	12	16.39	16.20	16.17						
5	HQAM	1	24	16.46	16.33	16.10	16.5	3				
5	HQAM	12	0	15.46	15.24	15.15						
5	HQAM	12	7	15.41	15.32	15.23						
5	HQAM	12	13	15.44	15.23	15.10	14.5	5				
5	HQAM	25	0	15.47	15.26	15.12						
5	25QAM	1	0	13.47	13.20	13.17						
5	25QAM	1	12	13.33	13.17	13.27	14.5	5				
5	25QAM	1	24	13.07	13.00	12.96						
5	25QAM	12	0	13.30	13.42	13.36						
5	25QAM	12	7	13.48	13.16	13.27	14.5	5				
5	25QAM	12	13	13.11	13.14	13.26						
5	25QAM	25	0	12.61	13.30	13.07						

Band 30 ENDC Hotspot									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Tune-up Int. (dB)	MIMO (dB)	
Channel 27110 - 27710									
Frequency (MHz)									
10	QPSK	1	0	20.73			22	0	
10	QPSK	1	25	20.65					
10	QPSK	1	49	20.84					
10	QPSK	25	0	19.75			21	1	
10	QPSK	25	12	19.69					
10	QPSK	25	25	19.72					
10	16QAM	1	0	19.88			21	1	
10	16QAM	1	25	20.08					
10	16QAM	1	49	20.25					
10	16QAM	25	0	18.74			20	2	
10	16QAM	25	12	18.76					
10	16QAM	25	25	18.82					
10	16QAM	50	0	18.83			20	2	
10	16QAM	50	25	19.46					
10	16QAM	1	25	19.01					
10	16QAM	1	49	19.18			17	5	
10	16QAM	1	73	17.72					
10	16QAM	25	12	17.78					
10	16QAM	25	25	17.69			17	5	
10	16QAM	25	49	17.27					
10	256QAM	1	0	18.27					
10	256QAM	1	25	18.97			17	5	
10	256QAM	1	49	19.16					
10	256QAM	25	0	18.63					
10	256QAM	25	12	18.82			17	5	
10	256QAM	25	25	18.88					
10	256QAM	50	0	18.71					
Channel 26917 - 27315									
Frequency (MHz)									
5	QPSK	1	0	20.68	20.61	20.37	22	0	
5	QPSK	1	12	20.89	20.69	20.27			
5	QPSK	1	24	20.71	20.57	20.37			
5	QPSK	12	0	19.64	19.74	19.92	21	1	
5	QPSK	12	7	19.76	19.80	19.84			
5	QPSK	12	13	19.76	19.80	19.87			
5	16QAM	1	0	19.73	19.74	19.94	21	1	
5	16QAM	1	6	19.89	20.14	20.18			
5	16QAM	1	12	20.07	20.33	20.18			
5	16QAM	1	24	20.24	20.08	19.75	20	2	
5	16QAM	12	0	18.59	18.67	18.75			
5	16QAM	12	13	18.60	18.67	18.64			
5	16QAM	25	0	18.75	18.73	18.82	20	2	
5	16QAM	25	12	18.87	18.82	18.87			
5	16QAM	1	12	18.96	19.06	19.06			
5	16QAM	1	24	19.02	18.86	19.12	17	5	
5	16QAM	1	12	17.47	17.82	17.86			
5	16QAM	12	7	17.95	17.69	17.69			
5	16QAM	12	13	17.78	17.62	17.68	17	5	
5	16QAM	1	0	17.75	17.73	17.81			
5	256QAM	1	0	18.02	18.16	18.17			
5	256QAM	1	12	18.98	18.95	18.01	17	5	
5	256QAM	1	24	18.80	18.86	18.85			
5	256QAM	12	0	18.78	18.80	18.80			
5	256QAM	12	7	18.83	18.87	18.76	17	5	
5	256QAM	12	13	18.84	18.82	18.75			
5	256QAM	25	0	18.57	18.61	18.62			

Band 38 ENDC Hotspot									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	21.73	21.79	21.85			
20	QPSK	1	49	21.67	21.65	21.56	22.5	0	
20	QPSK	1	99	21.67	21.64	21.57			
20	QPSK	50	0	20.77	20.86	20.65			
20	QPSK	50	24	20.64	20.71	20.62	21.5	1	
20	QPSK	50	50	20.79	20.73	20.74			
20	QPSK	100	0	20.71	20.79	20.68			
20	16QAM	1	0	21.03	20.87	20.87	21.5	1	
20	16QAM	1	49	20.83	20.71	20.70			
20	16QAM	1	99	20.68	20.66	20.88			
20	16QAM	50	0	19.87	19.80	19.92	20.5	2	
20	16QAM	50	24	20.01	19.65	19.83			
20	16QAM	50	50	19.89	19.74	19.89			
20	16QAM	100	0	20.03	19.81	19.84	20.5	2	
20	64QAM	1	0	19.59	19.30	19.35			
20	64QAM	1	49	19.38	19.27	19.35			
20	64QAM	1	99	19.25	19.38	19.37	19.5	3	
20	64QAM	50	0	19.09	18.75	18.94			
20	64QAM	50	24	19.08	18.86	18.91			
20	64QAM	50	50	18.88	18.87	18.87	17.5	5	
20	64QAM	100	0	18.94	18.87	18.81			
20	256QAM	1	0	17.00	16.88	16.87			
20	256QAM	1	49	16.97	16.62	16.78	17.5	5	
20	256QAM	1	99	16.95	16.75	16.74			
20	256QAM	50	0	17.09	16.84	16.99			
20	256QAM	50	24	16.95	16.63	16.73	17.5	5	
20	256QAM	50	50	16.78	16.99	16.80			
20	256QAM	100	0	16.66	16.85	16.89			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	21.72	21.63	21.57			
15	QPSK	1	37	21.63	21.60	21.59	22.5	0	
15	QPSK	1	74	21.63	21.50	21.55			
15	QPSK	36	0	20.92	20.65	20.78			
15	QPSK	36	20	20.79	20.72	20.75	21.5	1	
15	QPSK	36	39	20.73	20.77	20.76			
15	QPSK	75	0	20.92	20.73	20.79			
15	16QAM	1	0	20.93	20.75	20.91	21.5	1	
15	16QAM	1	37	20.79	20.88	20.91			
15	16QAM	1	74	20.88	20.55	20.81			
15	16QAM	36	0	20.02	19.72	19.90	20.5	2	
15	16QAM	36	20	19.85	19.67	19.64			
15	16QAM	36	39	19.76	19.80	19.83			
15	16QAM	75	0	19.97	19.76	19.83	20.5	2	
15	64QAM	1	0	19.57	19.17	19.26			
15	64QAM	1	37	19.45	19.20	19.40			
15	64QAM	1	74	19.19	19.11	19.16	19.5	3	
15	64QAM	36	0	19.00	18.68	18.94			
15	64QAM	36	20	19.01	18.71	18.68			
15	64QAM	36	39	18.66	18.74	18.85	17.5	5	
15	64QAM	75	0	18.90	18.73	18.88			
15	256QAM	1	0	17.04	16.72	16.80			
15	256QAM	1	37	16.97	16.66	16.62	17.5	5	
15	256QAM	1	74	16.89	16.87	16.71			
15	256QAM	36	0	17.11	16.92	17.02			
15	256QAM	36	20	17.00	16.77	16.80	17.5	5	
15	256QAM	36	39	16.90	17.03	16.99			
15	256QAM	75	0	16.53	16.75	16.84			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	21.62	21.67	21.53			
10	QPSK	1	25	21.67	21.59	21.66	22.5	0	
10	QPSK	1	49	21.65	21.53	21.70			
10	QPSK	25	0	20.91	20.66	20.92			
10	QPSK	25	12	21.06	20.61	20.99	21.5	1	
10	QPSK	25	25	20.72	20.86	20.74			
10	QPSK	50	0	20.82	20.75	20.97			
10	16QAM	1	0	21.07	20.76	20.90	21.5	1	
10	16QAM	1	25	21.00	20.77	21.07			
10	16QAM	1	49	20.89	20.67	20.96			
10	16QAM	25	0	19.86	19.55	19.86	20.5	2	
10	16QAM	25	12	20.00	19.74	19.92			
10	16QAM	25	25	19.70	19.78	19.93			
10	16QAM	50	0	19.91	19.61	20.02	20.5	2	
10	64QAM	1	0	19.53	19.18	19.46			
10	64QAM	1	25	19.74	19.53	19.58			
10	64QAM	1	49	19.47	19.43	19.54	19.5	3	
10	64QAM	25	0	19.05	18.66	18.92			
10	64QAM	25	12	18.93	18.79	19.07			
10	64QAM	25	25	18.85	18.83	19.06	17.5	5	
10	64QAM	50	0	18.91	18.77	18.83			
10	256QAM	1	0	16.99	16.79	16.85			
10	256QAM	1	25	17.15	16.61	16.74	17.5	5	
10	256QAM	1	49	17.10	16.82	16.88			
10	256QAM	25	0	17.26	16.95	16.84			
10	256QAM	25	12	16.85	16.74	16.62	17.5	5	
10	256QAM	25	25	16.90	17.07	16.78			
10	256QAM	50	0	16.64	16.75	16.67			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	21.71	21.54	21.63			
5	QPSK	1	12	21.58	21.74	21.79	22.5	0	
5	QPSK	1	24	21.66	21.62	21.72			
5	QPSK	12	0	20.89	20.51	20.76			
5	QPSK	12	7	21.04	20.89	20.92	21.5	1	
5	QPSK	12	13	20.83	20.79	20.76			
5	QPSK	25	0	20.96	20.71	20.84			
5	16QAM	1	0	21.06	20.83	20.76	21.5	1	
5	16QAM	1	12	21.00	20.67	20.98			
5	16QAM	1	24	20.87	20.61	20.90			
5	16QAM	12	0	19.94	19.65	19.84	20.5	2	
5	16QAM	12	7	19.91	19.87	19.82			
5	16QAM	12	13	19.76	19.67	19.95			
5	16QAM	25	0	19.89	19.67	19.76	20.5	2	
5	64QAM	1	0	19.53	19.29	19.42			
5	64QAM	1	12	19.36	19.21	19.51			
5	64QAM	1	24	19.43	19.52	19.48	19.5	3	
5	64QAM	12	0	19.01	18.71	18.81			
5	64QAM	12	7	19.04	18.81	18.81			
5	64QAM	12	13	18.81	18.74	18.75	17.5	5	
5	64QAM	25	0	19.02	18.71	18.89			
5	256QAM	1	0	17.05	16.98	16.84			
5	256QAM	1	12	17.00	16.47	16.61	17.5	5	
5	256QAM	1	24	17.06	16.87	16.74			
5	256QAM	12	0	17.11	16.89	16.75			
5	256QAM	12	7	16.91	16.68	16.61	17.5	5	
5	256QAM	12	13	16.84	17.34	16.99			
5	256QAM	25	0	16.63	16.83	16.80			

Uplink CA Power

Full Power Head + Body Worn+Hospot								Tune up Power (dBm)
								24.5
CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	23.54	24.50
40185	40383	QPSK	1	99	1	0	23.47	24.50
40620	40422	QPSK	1	0	1	99	23.60	24.50
41055	40857	QPSK	1	0	1	99	23.58	24.50
41490	41292	QPSK	1	0	1	99	23.46	24.50

Downlink CA Power

2CA DL

CA List	PCC							SCC					Power	
	LTE	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	With CA	Without CA	
	Band	(MHz)	Freq.	Channel		RB	RB	Band	(MHz)	Freq.	Channel	Tx. Power (dBm)	Tx. Power (dBm)	
			Offset				(MHz)							
CA_4A-17A	Band 4	10M	1732.5	20175	QPSK	1	0	Band 17	10M	740	5790	23.58	23.82	
	Band 17	10M	710	23790	QPSK	1	0	Band 4	10M	2132.5	2175	23.93	23.94	
CA_4A-7A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	23.80	23.82	
	Band 7	20M	2535	21100	QPSK	1	0	Band 4	20M	2132.5	2175	25.03	25.19	
CA_5A-7A	Band 5	10M	836.5	20525	QPSK	1	0	Band 7	20M	2655	3100	24.22	24.15	
	Band 7	20M	2535	21100	QPSK	1	0	Band 5	10M	881.5	2525	25.07	25.19	
CA_5A-38A	Band 5	10M	836.5	20525	QPSK	1	0	Band 38	20M	2595	38000	24.06	24.15	
	Band 38	20M	2595	38000	QPSK	1	0	Band 5	10M	881.5	2525	24.34	24.49	
CA_5A-41A	Band 5	10M	836.5	20525	QPSK	1	0	Band 41	20M	2593	40620	24.16	24.15	
	Band 41	20M	2593	40620	QPSK	1	0	Band 5	10M	881.5	2525	23.59	23.65	
CA_7B	Band 7	15M	2535	21100	QPSK	1	0	Band 7	5M	2636.8	2918	25.06	25.19	
CA_25A-41A	Band 25	20M	1880	26340	QPSK	1	0	Band 41	20M	2593	40620	23.59	23.76	
	Band 41	20M	2593	40620	QPSK	1	0	Band 25	20M	1962.5	8365	23.47	23.65	
CA_38C	Band 38	20M	2595	38000	QPSK	1	0	Band 38	20M	2614.8	38198	24.49	24.49	

3CA DL

3CA List	PCC							SCC1				SCC2				Power	
	LTE	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	LTE	BW	DL	DL	With CA	Without CA
	Band	(MHz)	Freq. (MHz)	Channel		RB	RB Offset	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Tx. Power (dBm)	Tx. Power (dBm)
CA_4A-4A-71	Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 71	20M	637	68786	23.69	23.82
	Band 71	20M	683	133322	QPSK	1	0	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	23.75	23.79
CA_4A-7C	Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	23.77	23.82
	Band 7	20M	2535	21100	QPSK	1	0	Band 7	20M	2674.8	3298	Band 4	20M	2132.5	2175	25.18	25.19
CA_5A-7C	Band 5	10M	829	20450	QPSK	1	0	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	24.19	24.15
	Band 7	20M	2535	21100	QPSK	1	0	Band 7	20M	2674.8	3298	Band 5	10M	881.5	2525	25.18	25.19
CA_66A-66B	Band 66	20M	1745	132322	QPSK	1	0	Band 66	15M	2192.5	67261	Band 66	5M	2183.2	67168	23.84	23.94
CA_66A-66C	Band 66	20M	1745	132322	QPSK	1	0	Band 66	20M	2190	67236	Band 66	20M	2170.2	67038	23.86	23.94
CA_66D	Band 66	20M	1720	132072	QPSK	1	0	Band 66	20M	2139.8	66734	Band 66	20M	2159.6	66932	23.92	23.94
CA_25A-25A-26A	Band 26	5M	831.5	26865	QPSK	1	24	Band 25	20M	1985	8590	Band 25	20M	2004.8	8788	24.08	24.10
	Band 25	20M	1880	26340	QPSK	1	0	Band 25	20M	1985	8590	Band 26	5M	876.5	8865	23.65	23.76
CA_26A-41C	Band 41	20M	2593	40620	QPSK	1	0	Band 41	20M	2512.8	40818	Band 26	15M	876.5	8865	23.42	23.65
	Band 26	15M	831.5	26865	QPSK	1	0	Band 41	20M	2593	40620	Band 41	20M	2612.8	40818	24.08	24.16
CA_2A-7A-7A	Band 2	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	23.82	23.75
	Band 7	20M	2535	21100	QPSK	1	0	Band 7	5M	2687.5	3425	Band 2	20M	1960	900	25.06	25.19
CA_2A-7C	Band 2	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	23.82	23.75
	Band 7	20M	2535	21100	QPSK	1	0	Band 7	20M	2674.8	3298	Band 2	20M	1960	900	25.05	25.19
CA_2C-12A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	20M	1979.8	1098	Band 12	10M	737.5	5095	23.81	23.75
	Band 12	10M	707.5	23095	QPSK	1	0	Band 2	20M	1960	900	Band 2	20M	1979.8	1098	23.84	23.98
CA_41A-41A-41A	Band 41	20M	2593	40620	QPSK	1	0	Band 41	5M	2687.5	41565	Band 41	20M	2506	39750	23.4	23.65

4CA DL

Configure	PCC						SCC1				SCC2				SCC4				Power		
	LTE	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	LTE	BW	DL	DL	LTE	BW	DL	DL	With CA	Without CA
	Band	(MHz)	Freq.	Channel		RB	RB Offset	Band	(MHz)	Freq.	Channel	Band	(MHz)	Freq.	Channel	Band	(MHz)	Freq.	Channel	Tx Power (dBm)	Tx Power (dBm)
			(MHz)																		
CA_2A-2A-4A-12A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 4	20M	2132.5	2175	Band 12	10M	737.5	5095	23.83	23.75
	Band 4	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 12	10M	737.5	5095	23.77	23.82
	Band 12	10M	707.5	23095	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 4	20M	2132.5	2175	23.83	23.98
CA_2A-2A-4A-5A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 4	20M	2132.5	2175	Band 5	10M	881.5	2525	23.84	23.75
	Band 4	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 5	10M	881.5	2525	23.65	23.82
	Band 5	10M	836.5	20525	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 4	20M	2132.5	2175	24.13	24.15
CA_2A-2A-4A-4A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	23.69	23.75
	Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	23.81	23.82
	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 4	20M	2132.5	2175	Band 71	20M	637	68786	23.75	23.75
CA_2A-2A-4A-71A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 4	20M	2132.5	2175	Band 71	20M	637	68786	23.64	23.82
	Band 4	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 71	20M	637	68786	23.64	23.82
	Band 71	20M	683	133322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 4	20M	2132.5	2175	23.59	23.79
CA_2A-2A-5A-30A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 30	10M	2355	9820	Band 5	10M	881.5	2525	23.86	23.75
	Band 30	10M	2310	27710	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 5	10M	881.5	2525	22.51	22.93
	Band 5	10M	836.5	20525	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 30	10M	2355	9820	24.21	24.15
CA_2A-2A-5A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	Band 5	10M	881.5	2525	23.86	23.75
	Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 5	10M	881.5	2525	23.79	23.94
	Band 5	10M	836.5	20525	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	24.12	24.15
CA_2A-2A-12A-30A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 12	10M	737.5	5095	Band 30	10M	2355	9820	23.82	23.75
	Band 12	10M	707.5	23095	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 30	10M	2355	9820	23.79	23.98
	Band 30	10M	2310	27710	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 12	10M	737.5	5095	22.57	22.93
CA_2A-2A-12A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 12	10M	737.5	5095	Band 66	20M	2155	66886	23.72	23.75
	Band 12	10M	707.5	23095	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	23.86	23.98
	Band 66	15M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 12	10M	737.5	5095	23.93	23.94
CA_2A-2A-5B	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 5	10M	881.5	2525	Band 5	10M	891.4	2624	23.68	23.75
	Band 5	10M	844	20600	QPSK	1	0	Band 5	10M	879.1	2501	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	24.22	24.15
	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 5	10M	881.5	2525	Band 5	10M	891.4	2624	23.81	23.75
CA_2A-4A-5B	Band 4	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	Band 5	10M	881.5	2525	Band 5	10M	891.4	2624	23.71	23.82
	Band 5	10M	844	20600	QPSK	1	0	Band 5	10M	879.1	2501	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	24.22	24.15
	Band 2	20M	1880	18900	QPSK	1	0	Band 30	10M	2355	9820	Band 5	10M	881.5	2525	Band 5	10M	891.4	2624	23.71	23.75
CA_2A-5B-30A	Band 30	10M	2310	27710	QPSK	1	0	Band 2	20M	1960	900	Band 5	10M	881.5	2525	Band 5	10M	891.4	2624	22.54	22.93
	Band 5	10M	844	20600	QPSK	1	0	Band 5	10M	879.1	2501	Band 2	20M	1960	900	Band 30	10M	2355	9820	24.23	24.15
	Band 2	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 5	10M	881.5	2525	Band 5	10M	891.4	2624	23.78	23.75
CA_2A-5B-66A	Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 5	10M	881.5	2525	Band 5	10M	891.4	2624	23.89	23.94
	Band 5	10M	844	20600	QPSK	1	0	Band 5	10M	879.1	2501	Band 2	20M	1960	900	Band 66	20M	2155	66886	24.09	24.15
	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	Band 66	5M	2177.5	67111	23.75	23.75
CA_2A-2A-66A-66A	Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	23.93	23.94
	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	Band 66	5M	2177.5	67111	23.75	23.75
	Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	23.93	23.94
CA_2A-2A-66A-71A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	Band 66	5M	2177.5	67111	23.75	23.75
	Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	23.93	23.94
	Band 71	20M	683	133322	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	Band 71	20M	637	68786	23.69	23.79
CA_2A-2A-66B	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 66	15M	2155	66886	Band 66	5M	2164.3	66979	23.84	23.75
	Band 66	15M	1745	132322	QPSK	1	0	Band 66	5M	2164.3	66979	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	23.8	23.94
	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	23.79	23.75
CA_2A-2A-66C	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	23.79	23.75
	Band 66	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	23.94	23.94
	Band 66	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	Band 2	20M	1960	900	Band 2	5M	1987.5	1175	23.94	23.94
CA_2A-5A-66A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	Band 66	15M	2155	66886	Band 66	5M	2164.3	66979	23.77	23.75
	Band 5	10M	836.5	20525	QPSK	1	0	Band 2	20M	1960	900	Band 66	15M	2155	66886	Band 66	5M	2164.3	66979	24.07	24.15
	Band 66	20M	1745	132322	QPSK	1	0	Band 66	5M	2177.5	67111	Band 2	20M	1960	900	Band 5	10M	881.5	2525	23.93	23.94
CA_2A-5A-66B	Band 2	20M	1880	18900	QPSK	1	0														



Full Power Mode

n2 ANT 2 SA/NSA								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				1660	1680	1900	24.0	0.0
Frequency (MHz)				1660	1680	1900		
20	Pl2 BPSK	1	1	22.59	22.71	22.47		
20	Pl2 BPSK	1	53	22.72	22.79	22.68	23.5	0.5
20	Pl2 BPSK	1	104	22.51	22.71	22.46		
20	Pl2 BPSK	50	0	21.95	22.09	21.75		
20	Pl2 BPSK	50	28	22.44	22.54	22.39	24.0	0.0
20	Pl2 BPSK	50	56	22.09	22.22	21.95	23.5	0.5
20	Pl2 BPSK	100	0	22.14	22.28	22.01		
20	Pl2 BPSK	100	0	22.14	22.28	22.01		
20	QPSK	1	1	22.76	22.80	22.56	24.0	0.0
20	QPSK	1	53	22.67	22.82	22.55		
20	QPSK	1	104	22.54	22.62	22.41		
20	QPSK	50	0	21.71	21.77	21.59	23.0	1.0
20	QPSK	50	28	22.50	22.63	22.43	24.0	0.0
20	QPSK	50	56	21.69	21.78	21.51	23.0	1.0
20	QPSK	100	0	21.75	21.81	21.67		
20	16QAM	1	53	22.14	22.24	22.04		
20	64QAM	1	53	20.36	20.47	20.29	21.5	2.5
20	256QAM	1	53	18.00	18.03	17.98	19.5	4.5
Channel				171500	176000	180500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1807.5	1880	1902.5	(dBm)	(dB)
15	QPSK	1	40	22.71	22.78	22.40	24.0	0.0
Channel				171000	176000	181000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905	(dBm)	(dB)
10	QPSK	1	26	22.56	22.61	22.37	24.0	0.0
Channel				170500	176000	181500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5	(dBm)	(dB)
5	QPSK	1	13	22.49	22.52	22.31	24.0	0.0

n5 ANT 0 SA/NSA								
BW [MHz]	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	24.0	0.0
Frequency (MHz)				834	836.5	839		
20	Pl2 BPSK	1	1	23.44	23.36	23.23		
20	Pl2 BPSK	1	53	23.42	23.34	23.21	23.5	0.5
20	Pl2 BPSK	1	104	23.34	23.26	23.24		
20	Pl2 BPSK	50	0	22.90	22.81	22.74		
20	Pl2 BPSK	50	28	23.31	23.26	23.19	24.0	0.0
20	Pl2 BPSK	50	56	22.87	22.74	22.64	23.5	0.5
20	Pl2 BPSK	100	0	22.89	22.76	22.69		
20	Pl2 BPSK	100	0	22.89	22.76	22.69		
20	QPSK	1	1	23.39	23.46	23.31	24.0	0.0
20	QPSK	1	53	23.41	23.47	23.30		
20	QPSK	1	104	23.20	23.15	23.01		
20	QPSK	50	0	22.39	22.36	22.29	23.0	1.0
20	QPSK	50	28	23.33	23.34	22.22	24.0	0.0
20	QPSK	50	56	22.30	22.22	22.17	23.0	1.0
20	QPSK	100	0	22.30	22.31	22.21		
20	16QAM	1	53	22.70	22.69	22.54	23.0	1.0
20	64QAM	1	53	20.99	20.91	20.79	21.5	2.5
20	256QAM	1	53	18.01	18.49	18.44	19.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5	(dBm)	(dB)
15	QPSK	1	40	23.34	23.23	23.12	24.0	0.0
Channel				166800	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844	(dBm)	(dB)
10	QPSK	1	26	23.18	23.11	23.05	24.0	0.0
Channel				162300	167300	172300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5	(dBm)	(dB)
5	QPSK	1	13	22.98	22.95	22.88	24.0	0.0

n7 ANT 3 SA								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				160000	161000	162000	24.0	0.0
Frequency (MHz)				2510	2535	2560		
20	Pl2 BPSK	1	1	22.77	23.01	22.74		
20	Pl2 BPSK	1	53	22.80	23.02	22.73	23.5	0.5
20	Pl2 BPSK	1	104	22.92	22.99	22.89		
20	Pl2 BPSK	50	0	22.72	22.96	22.80		
20	Pl2 BPSK	50	28	22.79	23.01	22.82	24.0	0.0
20	Pl2 BPSK	50	56	22.17	22.46	22.25	23.5	0.5
20	Pl2 BPSK	100	0	22.45	22.54	22.40		
20	Pl2 BPSK	100	0	22.45	22.54	22.40		
20	QPSK	1	1	22.46	23.01	22.87	24.0	0.0
20	QPSK	1	53	22.67	23.02	22.94		
20	QPSK	1	104	22.62	22.95	22.87		
20	QPSK	50	0	22.31	22.05	22.23	23.0	1.0
20	QPSK	50	28	22.92	22.97	22.79	24.0	0.0
20	QPSK	50	56	22.16	22.44	22.44	23.0	1.0
20	QPSK	100	0	22.39	22.91	22.16		
20	16QAM	1	1	22.42	22.52	22.15		
20	64QAM	1	1	20.58	20.69	20.35	21.5	2.5
20	256QAM	1	1	18.07	18.21	18.11	19.5	4.5
Channel				161500	167000	172500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
15	QPSK	1	40	22.63	22.87	22.79	24.0	0.0
Channel				161000	167000	173000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	QPSK	1	26	22.51	22.68	22.67	24.0	0.0
Channel				160500	167000	173500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)
5	QPSK	1	13	22.52	22.61	22.54	24.0	0.0

n25 ANT 2 SA/NSA

BW [MHz]	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)				1860	1862.5	1905		
20	Pl2/2 BPSK	1	1	22.78	22.84	22.75		
20	Pl2/2 BPSK	1	53	22.51	22.76	22.58	24.0	0.0
20	Pl2/2 BPSK	1	104	22.62	22.72	22.35		
20	Pl2/2 BPSK	50	0	22.22	22.37	22.19	23.5	0.5
20	Pl2/2 BPSK	50	28	22.53	22.74	22.59	24.0	0.0
20	Pl2/2 BPSK	50	56	22.12	22.25	22.04		
20	Pl2/2 BPSK	100	0	22.09	22.22	22.01	23.5	0.5
20	QPSK	1	1	22.76	22.85	22.89		
20	QPSK	1	53	22.45	22.66	22.63	24.0	0.0
20	QPSK	1	104	22.63	22.90	22.63		
20	QPSK	50	0	21.99	22.01	21.92	23.0	1.0
20	QPSK	50	28	22.80	22.91	22.90	24.0	0.0
20	QPSK	50	56	21.69	21.94	21.64	23.0	1.0
20	QPSK	100	0	21.75	21.99	21.71	23.0	1.0
20	16QAM	1	1	21.98	22.26	22.12	23.0	1.0
20	64QAM	1	1	20.24	20.38	20.45	21.5	2.5
20	256QAM	1	1	17.97	18.32	18.10	19.5	4.5
Channel								
Frequency (MHz)				1871.5	1882.5	1907.5		
15	QPSK	1	40	22.40	22.62	22.92	24.0	0.0
Channel								
Frequency (MHz)				1855	1862.5	1910		
10	QPSK	1	26	22.62	22.94	22.65	24.0	0.0
Channel								
Frequency (MHz)				1862.5	1882.5	1912.5		
5	QPSK	1	13	22.87	22.95	22.53	24.0	0.0

n66 ANT 2 SA/NSA

BW [MHz]	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)				1720	1745	1770		
20	Pl2/2 BPSK	1	1	22.81	23.04	22.99		
20	Pl2/2 BPSK	1	53	22.69	22.96	22.88	24.0	0.0
20	Pl2/2 BPSK	1	104	22.72	23.04	22.69		
20	Pl2/2 BPSK	50	0	22.38	22.54	22.45	23.5	0.5
20	Pl2/2 BPSK	50	28	23.03	23.06	22.92	24.0	0.0
20	Pl2/2 BPSK	50	56	22.50	22.33	22.27		
20	Pl2/2 BPSK	100	0	22.30	22.45	22.05	23.5	0.5
20	QPSK	1	1	23.16	23.29	23.10		
20	QPSK	1	53	22.69	23.32	22.76	24.0	0.0
20	QPSK	1	104	22.96	23.11	22.77		
20	QPSK	50	0	21.75	22.06	21.84	23.0	1.0
20	QPSK	50	28	22.84	23.11	23.05	24.0	0.0
20	QPSK	50	56	21.64	22.01	21.63		
20	QPSK	100	0	22.12	22.14	21.78	23.0	1.0
20	16QAM	1	1	22.34	22.37	22.12	23.0	1.0
20	64QAM	1	1	20.72	20.75	20.39	21.5	2.5
20	256QAM	1	1	18.21	18.28	18.15	19.5	4.5
Channel								
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	40	23.10	22.87	22.95	24.0	0.0
Channel								
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	26	22.91	22.65	22.55	24.0	0.0
Channel								
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	13	22.66	22.94	22.27	24.0	0.0

n71 ANT 0 SA/NSA

BW [MHz]	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)				673	680.5	688		
20	Pl2/2 BPSK	1	1	23.00	23.25	23.18		
20	Pl2/2 BPSK	1	53	22.91	23.13	22.98	24.0	0.0
20	Pl2/2 BPSK	1	104	23.17	23.18	23.17		
20	Pl2/2 BPSK	50	0	22.36	22.71	22.59	23.5	0.5
20	Pl2/2 BPSK	50	28	22.85	23.09	22.77	24.0	0.0
20	Pl2/2 BPSK	50	56	22.26	22.58	22.42		
20	Pl2/2 BPSK	100	0	22.13	22.63	22.34	23.5	0.5
20	QPSK	1	1	23.14	23.26	23.23		
20	QPSK	1	53	23.15	23.29	23.07	24.0	0.0
20	QPSK	1	104	23.96	23.18	22.98		
20	QPSK	50	0	21.87	22.25	21.99	23.0	1.0
20	QPSK	50	28	22.97	23.21	22.87	24.0	0.0
20	QPSK	50	56	21.94	22.11	21.59		
20	QPSK	100	0	21.80	22.14	22.10	23.0	1.0
20	16QAM	1	1	21.65	21.91	21.53	23.0	1.0
20	64QAM	1	1	20.62	20.73	20.69	21.5	2.5
20	256QAM	1	1	18.25	18.55	18.33	19.5	4.5
Channel								
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	40	22.74	23.26	23.11	24.0	0.0
Channel								
Frequency (MHz)				668	680.5	693		
10	QPSK	1	26	22.67	23.14	22.94	24.0	0.0
Channel								
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	13	22.61	23.06	22.79	24.0	0.0



n38 ANT 3 SA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				516000	518000	520000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	Pl2 BPSK	1	1	23.16	23.22	23.3	24.0	0.0	
20	Pl2 BPSK	1	26	23.12	23.01	23.06			
20	Pl2 BPSK	1	49	23.06	23.02	23.11			
20	Pl2 BPSK	25	0	23.2	23.21	23.32	23.5	0.5	
20	Pl2 BPSK	25	13	23.16	23.07	23.09	24.0	0.0	
20	Pl2 BPSK	25	26	23.13	23.06	23.15	23.5	0.5	
20	Pl2 BPSK	50	0	23.11	23.11	23.21			
20	QPSK	1	1	23.33	23.34	23.3	24.0	0.0	
20	QPSK	1	26	23.07	22.86	23.02			
20	QPSK	1	49	22.95	23.02	23.06			
20	QPSK	25	0	22.22	22.29	22.18	23.0	1.0	
20	QPSK	25	13	23.09	23.09	23.07	24.0	0.0	
20	QPSK	25	26	22.76	22.69	22.72	23.0	1.0	
20	QPSK	50	0	22.38	22.47	22.35	23.0	1.0	
20	16QAM	1	1	22.45	22.39	22.52	23.0	1.0	
20	64QAM	1	1	20.85	20.95	20.74	21.5	2.5	
20	256QAM	1	1	18.4	18.46	18.18	19.5	4.5	

n41 ANT 1 SA/NSA & UL MIMO PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2546.01	2592.99	2640			
100	Pl2 BPSK	1	1	23.14	23.16	22.94	24.0	0.0	
100	Pl2 BPSK	1	137	23.07	23.13	23.10			
100	Pl2 BPSK	1	271	22.87	23.21	22.78			
100	Pl2 BPSK	135	0	22.78	22.77	22.81	23.5	0.5	
100	Pl2 BPSK	135	69	23.16	23.24	23.20	24.0	0.0	
100	Pl2 BPSK	135	138	22.87	22.83	22.80	23.5	0.5	
100	Pl2 BPSK	270	0	22.67	22.76	22.66			
100	QPSK	1	1	23.24	23.16	23.31	24.0	0.0	
100	QPSK	1	137	23.16	23.09	23.29			
100	QPSK	1	271	22.96	22.89	22.92			
100	QPSK	135	0	22.78	22.77	22.83	23.0	1.0	
100	QPSK	135	69	23.30	23.38	23.21	24.0	0.0	
100	QPSK	135	138	22.75	22.76	22.75	23.0	1.0	
100	QPSK	270	0	21.94	22.04	22.03	23.0	1.0	
100	16QAM	1	1	22.45	22.72	22.51	23.0	1.0	
100	64QAM	1	1	20.78	20.62	20.88	21.5	2.5	
100	256QAM	1	1	18.63	18.73	18.69	19.5	4.5	
Channel				502200	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	120	23.32	23.43	23.51	24.0	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2636.02	2692.99	2649.98			
80	QPSK	1	109	23.29	23.45	23.36	24.0	0.0	
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2620	2592.99	2659.98			
60	QPSK	1	81	23.11	23.32	23.39	24.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2621.02	2592.99	2664.98			
50	QPSK	1	67	23.23	23.35	23.41	24.0	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	23.48	23.56	23.37	24.0	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2611	2592.99	2674.98			
30	QPSK	1	39	22.78	22.62	22.88	24.0	0.0	
Channel				501204	518598	536998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2598.02	2592.99	2679.98			
20	QPSK	1	26	22.83	22.80	22.77	24.0	0.0	

n41 ANT 3 SA/NSA/UL MIMO PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2546.01	2592.99	2640			
100	Pl2 BPSK	1	1	22.90	21.77	22.24	24.0	0.0	
100	Pl2 BPSK	1	137	22.01	21.69	22.31			
100	Pl2 BPSK	1	271	22.35	21.40	22.20			
100	Pl2 BPSK	135	0	21.86	21.84	22.10	23.5	0.5	
100	Pl2 BPSK	135	69	22.11	21.68	22.44	24.0	0.0	
100	Pl2 BPSK	135	138	22.28	21.52	22.45	23.5	0.5	
100	Pl2 BPSK	270	0	22.21	21.64	22.32			
100	QPSK	1	1	21.86	22.10	22.36	24.0	0.0	
100	QPSK	1	137	22.07	22.47	22.02			
100	QPSK	1	271	22.16	21.54	22.42			
100	QPSK	135	0	21.62	21.81	21.71	23.0	1.0	
100	QPSK	135	69	22.14	22.36	22.32	24.0	0.0	
100	QPSK	135	138	21.48	21.51	21.80	23.0	1.0	
100	QPSK	270	0	21.51	21.62	21.49	23.0	1.0	
100	16QAM	1	1	21.49	21.78	21.82	23.0	1.0	
100	64QAM	1	1	19.42	19.84	19.90	21.5	2.5	
100	256QAM	1	1	17.31	17.67	17.80	19.5	4.5	
Channel				502200	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	120	22.50	22.47	22.54	24.0	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2636.02	2692.99	2649.98			
80	QPSK	1	109	22.28	22.25	22.33	24.0	0.0	
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2620	2592.99	2659.98			
60	QPSK	1	81	22.24	22.30	22.24	24.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2621.02	2592.99	2664.98			
50	QPSK	1	67	22.29	22.60	22.60	24.0	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	22.33	22.40	22.34	24.0	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2611	2592.99	2674.98			
30	QPSK	1	39	22.40	22.36	22.34	24.0	0.0	
Channel				501204	518598	536998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2598.02	2592.99	2679.98			
20	QPSK	1	26	22.33	22.45	22.36	24.0	0.0	

n77 ANT 4 SA & UL MIMO PC2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)
Channel				3750	3940	3950		
100	PQ2 BPSK	1	1	22.21	22.35	22.41		
100	PQ2 BPSK	1	137	21.89	22.02	22.15	24.0	0.0
100	PQ2 BPSK	1	271	21.92	21.96	21.89		
100	PQ2 BPSK	135	0	21.52	21.68	21.64	23.5	0.5
100	PQ2 BPSK	135	69	21.60	21.96	22.05	24.0	0.0
100	PQ2 BPSK	135	138	21.04	21.24	21.28		
100	PQ2 BPSK	270	0	21.14	21.27	21.43	23.5	0.5
100	QPSK	1	1	21.59	21.73	21.72		
100	QPSK	1	137	21.86	22.53	21.96	24.0	0.0
100	QPSK	1	271	20.98	21.1	21.2		
100	QPSK	135	0	21.88	22.18	22.34	23.0	1.0
100	QPSK	135	69	21.87	22.34	22.09	24.0	0.0
100	QPSK	135	138	21.37	21.58	21.63	23.0	1.0
100	QPSK	270	0	22.05	22.05	22.05		
100	16QAM	1	1	21.38	21.39	21.36	23.0	1.0
100	64QAM	1	1	19.66	19.76	19.85	21.5	2.5
100	256QAM	1	1	18.27	18.41	18.54	19.5	4.5
Channel				649958	650000	650012	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	QPSK	1	120	21.76	22.23	22.13	24.0	0.0
Channel				649334	650000	650066	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.91	3840	3934.99		
80	QPSK	1	109	21.97	22.15	21.97	24.0	0.0
Channel				648000	650000	650000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3940	3945		
70	QPSK	1	96	22.20	22.31	22.28	24.0	0.0
Channel				648668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	QPSK	1	81	21.96	22.27	22.16	24.0	0.0
Channel				648334	650000	650302	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	QPSK	1	67	22.03	22.18	21.97	24.0	0.0
Channel				648000	650000	650000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3724	3840	3949		
40	QPSK	1	53	22.08	22.11	22.03	24.0	0.0
Channel				647668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3954.98		
30	QPSK	1	39	22.47	22.26	22.03	24.0	0.0
Channel				647334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	QPSK	1	25	22.18	22.26	22.32	24.0	0.0

n77 ANT 2 SA & UL MIMO PC2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)
Channel				3750	3940	3950		
Frequency (MHz)				22.43	22.37	22.44		
100	PQ2 BPSK	1	1	22.43	22.37	22.44		
100	PQ2 BPSK	1	137	22.09	21.94	21.99	24.0	0.0
100	PQ2 BPSK	1	271	21.31	21.33	21.38		
100	PQ2 BPSK	135	0	20.92	20.96	21.04	23.5	0.5
100	PQ2 BPSK	135	69	21.61	21.96	21.97	24.0	0.0
100	PQ2 BPSK	135	138	21.07	20.94	20.93		
100	PQ2 BPSK	270	0	20.79	20.80	20.81	23.5	0.5
100	QPSK	1	1	21.94	21.87	21.93		
100	QPSK	1	137	22.46	22.49	22.47	24.0	0.0
100	QPSK	1	271	21.87	21.91	22.03		
100	QPSK	135	0	21.59	21.65	21.80	23.0	1.0
100	QPSK	135	69	22.35	22.39	22.37	24.0	0.0
100	QPSK	135	138	21.81	21.73	21.77	23.0	1.0
100	QPSK	270	0	21.15	21.15	21.08		
100	16QAM	1	1	21.84	21.70	21.72	23.0	1.0
100	64QAM	1	1	19.94	19.98	19.98	21.5	2.5
100	256QAM	1	1	17.85	17.81	17.70	19.5	4.5
Channel				649958	650000	650012	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	QPSK	1	120	22.14	22.06	22.34	24.0	0.0
Channel				649334	650000	650066	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.91	3840	3934.99		
80	QPSK	1	109	22.28	22.31	22.28	24.0	0.0
Channel				648000	650000	650000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3940	3945		
70	QPSK	1	96	22.20	22.31	22.42	24.0	0.0
Channel				648668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	QPSK	1	81	22.36	22.35	22.37	24.0	0.0
Channel				648334	650000	650302	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	QPSK	1	67	22.29	22.32	22.33	24.0	0.0
Channel				648000	650000	650000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3724	3840	3949		
40	QPSK	1	53	22.22	22.32	22.34	24.0	0.0
Channel				647668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3954.98		
30	QPSK	1	39	22.52	22.23	22.50	24.0	0.0
Channel				647334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	QPSK	1	25	22.36	22.39	22.31	24.0	0.0

n78 ANT 4 SA&UL MIMO PC2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				3750					
Frequency (MHz)				23.70					
100	PQ2 BPSK	1	1	22.77			24.0	0.0	
100	PQ2 BPSK	1	137	22.77					
100	PQ2 BPSK	1	271	22.83					
100	PQ2 BPSK	135	0	23.21			23.5	0.5	
100	PQ2 BPSK	135	69	23.07			24.0	0.0	
100	PQ2 BPSK	135	138	22.82					
100	PQ2 BPSK	270	0	22.74			23.5	0.5	
100	QPSK	1	1	23.03					
100	QPSK	1	137	23.22			24.0	0.0	
100	QPSK	1	271	22.82					
100	QPSK	135	0	22.96			23.0	1.0	
100	QPSK	135	69	23.19			24.0	0.0	
100	QPSK	135	138	22.43			23.0	1.0	
100	QPSK	270	0	22.35					
100	16QAM	1	1	22.12			23.0	1.0	
100	64QAM	1	1	20.63			21.5	2.5	
100	256QAM	1	1	18.72			19.5	4.5	
Channel				54960	650332				
Frequency (MHz)				3745.02	3750	3754.98			
90	QPSK	1	120	23.16	23.17	23.03	24.0	0.0	
Channel				649334	650066				
Frequency (MHz)				3740.01	3750	3759.99			
80	QPSK	1	109	23.27	23.14	23.04	24.0	0.0	
Channel				649000	650000	651000			
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	96	23.10	23.10	23.15	24.0	0.0	
Channel				548668	650000	651332			
Frequency (MHz)				3730.02	3750	3769.98			
60	QPSK	1	81	23.14	23.16	23.00	24.0	0.0	
Channel				649334	650000	651000			
Frequency (MHz)				3725.01	3750	3774.99			
50	QPSK	1	67	23.17	23.16	23.08	24.0	0.0	
Channel				649000	650000	652000			
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	53	23.13	23.17	22.96	24.0	0.0	
Channel				647668	650000	652332			
Frequency (MHz)				3715.02	3750	3784.98			
30	QPSK	1	39	23.11	23.19	22.88	24.0	0.0	
Channel				647334	650000	652666			
Frequency (MHz)				3710.01	3750	3789.99			
20	QPSK	1	26	23.11	23.15	23.07	24.0	0.0	

n78 ANT 4 NSA									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				3750					
Frequency (MHz)				21.06					
100	PQ2 BPSK	1	1	21.08			22.0	0.0	
100	PQ2 BPSK	1	137	21.08					
100	PQ2 BPSK	1	271	20.91					
100	PQ2 BPSK	135	0	21.06			22.0	0.0	
100	PQ2 BPSK	135	69	21.06			22.0	0.0	
100	PQ2 BPSK	135	138	20.87					
100	PQ2 BPSK	270	0	20.95			22.0	0.0	
100	QPSK	1	1	20.87					
100	QPSK	1	137	21.10			22.0	0.0	
100	QPSK	1	271	20.75					
100	QPSK	135	0	20.74					
100	QPSK	135	69	21.03			22.0	0.0	
100	QPSK	135	138	20.98					
100	QPSK	270	0	20.86			22.0	0.0	
100	16QAM	1	1	21.01			22.0	0.0	
100	64QAM	1	1	20.90			22.0	0.5	
100	256QAM	1	1	18.82			19.5	2.5	
Channel				54960	650332				
Frequency (MHz)				3745.02	3750	3754.98			
90	QPSK	1	120	20.78	20.85	20.99	22.0	0.0	
Channel				649334	650066				
Frequency (MHz)				3740.01	3750	3759.99			
80	QPSK	1	109	20.90	20.69	20.82	22.0	0.0	
Channel				649000	650000	651000			
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	96	20.77	20.80	20.94	22.0	0.0	
Channel				548668	650000	651332			
Frequency (MHz)				3730.02	3750	3769.98			
60	QPSK	1	81	20.85	20.78	20.72	22.0	0.0	
Channel				649334	650000	651000			
Frequency (MHz)				3725.01	3750	3774.99			
50	QPSK	1	67	20.75	20.77	20.84	22.0	0.0	
Channel				649000	650000	652000			
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	53	20.65	20.91	20.88	22.0	0.0	
Channel				647668	650000	652332			
Frequency (MHz)				3715.02	3750	3784.98			
30	QPSK	1	39	20.64	20.72	20.45	22.0	0.0	
Channel				647334	650000	652666			
Frequency (MHz)				3710.01	3750	3789.99			
20	QPSK	1	26	20.79	20.76	20.74	22.0	0.0	

n78 ANT 2 SA/NSA & UL MIMO PC2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				37500					
Frequency (MHz)				21.73					
100	PQ2 BPSK	1	1	22.25			24.0	0.0	
100	PQ2 BPSK	1	137	22.25					
100	PQ2 BPSK	1	271	22.08					
100	PQ2 BPSK	135	0	22.02			23.5	0.5	
100	PQ2 BPSK	135	69	22.11			24.0	0.0	
100	PQ2 BPSK	135	138	22.20					
100	PQ2 BPSK	270	0	21.97			23.5	0.5	
100	QPSK	1	1	22.11					
100	QPSK	1	137	22.26			24.0	0.0	
100	QPSK	1	271	22.15					
100	QPSK	135	0	21.98			23.0	1.0	
100	QPSK	135	69	22.19			24.0	0.0	
100	QPSK	135	138	21.88			23.0	1.0	
100	QPSK	270	0	22.10					
100	16QAM	1	1	21.98			23.0	1.0	
100	64QAM	1	1	20.51			21.5	2.5	
100	256QAM	1	1	18.42			19.5	4.5	
Channel				649668	650000	650332	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3745.02	3750	3754.98	24.0	0.0	
90	QPSK	1	120	21.84	21.86	21.88	24.0	0.0	
Channel				649334	650000	650666	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3740.01	3750	3759.99	24.0	0.0	
80	QPSK	1	109	21.85	21.92	21.98	24.0	0.0	
Channel				649000	650000	651000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3735	3750	3765	24.0	0.0	
70	QPSK	1	96	21.71	21.82	21.89	24.0	0.0	
Channel				648668	650000	651332	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3730.02	3750	3769.98	24.0	0.0	
60	QPSK	1	81	21.77	21.83	21.88	24.0	0.0	
Channel				648334	650000	651666	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3725.01	3750	3774.99	24.0	0.0	
50	QPSK	1	67	21.82	21.97	21.95	24.0	0.0	
Channel				647900	650000	652000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3720	3750	3780	24.0	0.0	
40	QPSK	1	53	21.72	21.95	21.90	24.0	0.0	
Channel				647668	650000	652332	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3715.02	3750	3784.98	24.0	0.0	
30	QPSK	1	39	21.86	21.80	21.93	24.0	0.0	
Channel				647334	650000	652666	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3710.01	3750	3789.98	24.0	0.0	
20	QPSK	1	26	21.85	21.84	22.00	24.0	0.0	

n41 ANT 1 UL MIMO PC3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000	21.0	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	20.23	20.27	20.34	21.0	0.0	
100	PI/2 BPSK	1	137	20.34	20.31	20.35			
100	PI/2 BPSK	1	271	20.31	20.16	20.21			
100	PI/2 BPSK	135	0	20.24	20.27	20.29			
100	PI/2 BPSK	135	69	20.2	20.17	20.19	21.0	0.0	
100	PI/2 BPSK	135	138	20.23	20.22	20.27	21.0	0.0	
100	PI/2 BPSK	270	0	20.12	20.16	20.14			
100	QPSK	1	1	20.2	20.11	20.06	21.0	0.0	
100	QPSK	1	137	20.31	20.43	20.24			
100	QPSK	1	271	20.21	20.28	20.29			
100	QPSK	135	0	20.3	20.31	20.41			
100	QPSK	135	69	20.37	20.42	20.31	21.0	0.0	
100	QPSK	135	138	20.42	20.28	20.29			
100	QPSK	270	0	20.27	20.32	20.25			
100	16QAM	1	1	20.24	20.23	20.33	21.0	0.0	
100	64QAM	1	1	20.3	20.34	20.27	21.0	0.0	
100	256QAM	1	1	18.72	18.68	18.77	19.5	1.5	
Channel				509200	518598	528098	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	120	20.11	20.23	20.29	21.0	0.0	
Channel				507204	518598	529098	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	109	20.23	20.31	20.35	21.0	0.0	
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	20.17	20.23	20.34	21.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	20.12	20.27	20.32	21.0	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	20.03	20.19	20.23	21.0	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	39	19.98	20.02	20.16	21.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	19.82	20.04	20.12	21.0	0.0	

n41 ANT 3 UL MIMO PC3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000	21.0	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	19.70	19.84	19.72	21.0	0.0	
100	PI/2 BPSK	1	137	19.70	19.74	19.57			
100	PI/2 BPSK	1	271	19.41	19.51	19.43			
100	PI/2 BPSK	135	0	19.79	19.86	19.91			
100	PI/2 BPSK	135	69	19.61	19.72	19.76	21.0	0.0	
100	PI/2 BPSK	135	138	19.63	19.62	19.60	21.0	0.0	
100	PI/2 BPSK	270	0	19.70	19.68	19.51			
100	QPSK	1	1	19.70	19.85	19.75	21.0	0.0	
100	QPSK	1	137	19.54	19.95	19.69			
100	QPSK	1	271	19.34	19.44	19.45			
100	QPSK	135	0	19.80	19.72	19.83			
100	QPSK	135	69	19.77	19.87	19.57	21.0	0.0	
100	QPSK	135	138	19.46	19.64	19.53			
100	QPSK	270	0	19.59	19.72	19.53			
100	16QAM	1	1	19.63	19.73	19.64	21.0	0.0	
100	64QAM	1	1	19.76	19.83	19.92	21.0	0.0	
100	256QAM	1	1	18.56	18.59	18.38	19.5	1.5	
Channel				509200	518598	528098	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	120	19.73	19.69	19.75	21.0	0.0	
Channel				507204	518598	529098	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	109	19.83	19.72	19.68	21.0	0.0	
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	19.74	19.79	19.83	21.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	19.62	19.71	19.82	21.0	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	19.59	19.82	19.72	21.0	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	39	19.76	19.57	19.69	21.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	19.74	19.55	19.73	21.0	0.0	

n77 ANT 2 UL MIMO PC3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	662000	21.0	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	19.13	19.19	19.05	21.0	0.0
100	PI/2 BPSK	1	137	19.53	19.63	19.46		
100	PI/2 BPSK	1	271	20	20.18	20.22		
100	PI/2 BPSK	135	0	19.32	19.47	19.43		
100	PI/2 BPSK	135	69	19.64	19.74	19.83	21.0	0.0
100	PI/2 BPSK	135	138	19.8	20.02	20		
100	PI/2 BPSK	270	0	19.87	19.84	19.82		
100	QPSK	1	1	19.24	19.44	19.43		
100	QPSK	1	137	18.87	20.42	19.67	21.0	0.0
100	QPSK	1	271	20.01	20.2	20.11		
100	QPSK	135	0	19.52	19.49	19.45		
100	QPSK	135	69	19.75	20.08	19.73		
100	QPSK	135	138	19.87	20.08	19.81	21.0	0.0
100	QPSK	270	0	19.64	19.81	19.69		
100	16QAM	1	1	19.61	19.7	19.61		
100	64QAM	1	1	19.69	19.71	19.76		
100	256QAM	1	1	17.91	17.85	17.71	19.5	1.5
Channel				649668	650000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98	21.0	0.0
90	QPSK	1	120	19.89	19.82	19.79	21.0	0.0
Channel				649334	650000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99	21.0	0.0
80	QPSK	1	109	19.63	19.75	19.83	21.0	0.0
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945	21.0	0.0
70	QPSK	1	95	19.8	19.84	19.74	21.0	0.0
Channel				648668	650000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98	21.0	0.0
60	QPSK	1	81	19.81	19.99	19.78	21.0	0.0
Channel				648334	650000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99	21.0	0.0
50	QPSK	1	67	19.81	19.96	19.83	21.0	0.0
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960	21.0	0.0
40	QPSK	1	53	19.83	19.78	19.93	21.0	0.0
Channel				647668	650000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3964.98	21.0	0.0
30	QPSK	1	39	19.86	19.92	19.83	21.0	0.0
Channel				647334	650000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99	21.0	0.0
20	QPSK	1	26	19.92	19.83	19.69	21.0	0.0

n77 ANT 4 UL MIMO PC3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	21.0	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	19.26	19.33	19.23	21.0	0.0
100	PI/2 BPSK	1	137	19.01	18.93	18.89		
100	PI/2 BPSK	1	271	18.78	18.78	18.63		
100	PI/2 BPSK	135	0	19.32	19.25	19.12		
100	PI/2 BPSK	135	69	19.08	19.06	19.05	21.0	0.0
100	PI/2 BPSK	135	138	18.87	18.82	18.74		
100	PI/2 BPSK	270	0	19.15	19.07	18.99		
100	QPSK	1	1	19.43	18.87	19.36		
100	QPSK	1	137	18.87	19.57	19.04	21.0	0.0
100	QPSK	1	271	18.93	18.89	18.82		
100	QPSK	135	0	19.13	19.14	19.09		
100	QPSK	135	69	19.03	19.22	19.07		
100	QPSK	135	138	18.75	18.87	18.81	21.0	0.0
100	QPSK	270	0	19.12	19.15	19.13		
100	16QAM	1	1	18.87	19.02	18.98		
100	64QAM	1	1	19.56	19.46	19.53		
100	256QAM	1	1	17.48	17.54	17.52	19.5	1.5
Channel				649668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98	21.0	0.0
90	QPSK	1	120	19.12	18.96	19.23	21.0	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99	21.0	0.0
80	QPSK	1	109	19.08	18.89	18.99	21.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945	21.0	0.0
70	QPSK	1	95	18.98	18.78	18.89	21.0	0.0
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98	21.0	0.0
60	QPSK	1	81	18.93	18.84	19.03	21.0	0.0
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99	21.0	0.0
50	QPSK	1	67	19.11	19.06	19.11	21.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960	21.0	0.0
40	QPSK	1	53	19.24	19.08	19.97	21.0	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3964.98	21.0	0.0
30	QPSK	1	39	18.98	19.11	19.04	21.0	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99	21.0	0.0
20	QPSK	1	26	19.32	19.29	19.13	21.0	0.0

n78 ANT 2 UL MIMO PC3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000				
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1		18.84			
100	PI/2 BPSK	1	137		19.17		21.0	0.0
100	PI/2 BPSK	1	271		19.10			
100	PI/2 BPSK	135	0		19.01		21.0	0.0
100	PI/2 BPSK	135	69		19.08		21.0	0.0
100	PI/2 BPSK	135	138		19.17			
100	PI/2 BPSK	270	0		19.06		21.0	0.0
100	QPSK	1	1		19.22			
100	QPSK	1	137		19.33		21.0	0.0
100	QPSK	1	271		19.19			
100	QPSK	135	0		18.95			
100	QPSK	135	69		19.21		21.0	0.0
100	QPSK	135	138		19.16			
100	QPSK	270	0		19.00		21.0	0.0
100	16QAM	1	1		19.00		21.0	0.0
100	64QAM	1	1		19.06		21.0	0.0
100	256QAM	1	1		17.19		19.5	1.5
Channel				649668	650000	650332	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)
90	QPSK	1	120	18.80	18.89	18.94	21.0	0.0
Channel				649334	650000	650666	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)
80	QPSK	1	109	18.54	18.62	18.73	21.0	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	95	18.43	18.73	18.57	21.0	0.0
Channel				648668	650000	651332	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)
60	QPSK	1	81	18.50	18.73	18.54	21.0	0.0
Channel				648334	650000	651666	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)
50	QPSK	1	67	18.54	18.66	18.46	21.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	53	18.55	18.77	18.48	21.0	0.0
Channel				647668	650000	652332	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)
30	QPSK	1	39	18.60	18.78	18.77	21.0	0.0
Channel				647334	650000	652666	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)
20	QPSK	1	26	18.70	18.78	18.66	21.0	0.0

n78 ANT 4 UL MIMO PC3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000				
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1		20.06			
100	PI/2 BPSK	1	137		19.86		21.0	0.0
100	PI/2 BPSK	1	271		19.69			
100	PI/2 BPSK	135	0		20.15		21.0	0.0
100	PI/2 BPSK	135	69		20.13		21.0	0.0
100	PI/2 BPSK	135	138		19.84			
100	PI/2 BPSK	270	0		19.98		21.0	0.0
100	QPSK	1	1		20.29			
100	QPSK	1	137		20.42		21.0	0.0
100	QPSK	1	271		19.73			
100	QPSK	135	0		20.16			
100	QPSK	135	69		20.28		21.0	0.0
100	QPSK	135	138		19.86			
100	QPSK	270	0		20.12		21.0	0.0
100	16QAM	1	1		20.34		21.0	0.0
100	64QAM	1	1		20.24		21.0	0.0
100	256QAM	1	1		19.12		19.5	1.5
Channel				649668	650000	650332	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)
90	QPSK	1	120	20.24	20.25	20.07	21.0	0.0
Channel				649334	650000	650666	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)
80	QPSK	1	109	20.22	20.11	19.94	21.0	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	95	19.98	20.29	20.10	21.0	0.0
Channel				648668	650000	651332	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)
60	QPSK	1	81	19.90	20.23	20.02	21.0	0.0
Channel				648334	650000	651666	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)
50	QPSK	1	67	20.01	20.22	20.03	21.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	53	20.12	20.35	20.03	21.0	0.0
Channel				647668	650000	652332	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)
30	QPSK	1	39	20.10	20.28	20.14	21.0	0.0
Channel				647334	650000	652666	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)
20	QPSK	1	26	20.09	20.40	20.13	21.0	0.0

Reduced Power Mode for Receiver on

n7 ANT3 SA (Head) Receiver on								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000	19.5	0.0
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	17.99	18.33	18.29	19.5	0.0
20	PI/2 BPSK	1	53	18.01	18.35	18.31		
20	PI/2 BPSK	1	104	18.00	18.34	18.34		
20	PI/2 BPSK	50	0	18.00	18.31	18.31	19.5	0.0
20	PI/2 BPSK	50	28	18.03	18.31	18.30	19.5	0.0
20	PI/2 BPSK	50	56	18.04	18.36	18.31	19.5	0.0
20	PI/2 BPSK	100	0	18.02	18.31	18.29		
20	QPSK	1	1	18.05	18.29	18.31	19.5	0.0
20	QPSK	1	53	18.46	18.63	18.52		
20	QPSK	1	104	18.04	18.27	18.31		
20	QPSK	50	0	18.04	18.32	18.27	19.5	0.0
20	QPSK	50	28	18.39	18.47	18.46	19.5	0.0
20	QPSK	50	56	18.05	18.27	18.24	19.5	0.0
20	QPSK	100	0	17.99	18.39	18.29		
20	16QAM	1	1	18.05	18.27	18.31	19.5	0.0
20	64QAM	1	1	18.00	18.33	18.31	19.5	0.0
20	256QAM	1	1	18.02	18.22	18.29	19.5	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	19.5	0.0
15	PI/2 BPSK	1	53	18.04	18.22	18.34		
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	19.5	0.0
10	PI/2 BPSK	1	53	18.03	18.22	18.25		
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	19.5	0.0
5	PI/2 BPSK	1	53	18.01	18.25	18.28		

n38 ANT3 SA (Head) Receiver on								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516000	519000	522000	18.5	0.0
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	17.50	17.57	17.50	18.5	0.0
20	PI/2 BPSK	1	26	17.41	17.46	17.38		
20	PI/2 BPSK	1	49	17.42	17.46	17.34		
20	PI/2 BPSK	25	0	17.45	17.56	17.49	18.5	0.0
20	PI/2 BPSK	25	13	17.37	17.49	17.42		
20	PI/2 BPSK	25	26	17.41	17.44	17.40		
20	PI/2 BPSK	50	0	17.43	17.53	17.41	18.5	0.0
20	QPSK	1	1	17.53	17.66	17.58	18.5	0.0
20	QPSK	1	26	17.45	17.51	17.47		
20	QPSK	1	49	17.43	17.46	17.37		
20	QPSK	25	0	17.49	17.53	17.44	18.5	0.0
20	QPSK	25	13	17.45	17.52	17.41		
20	QPSK	25	26	17.42	17.50	17.40		
20	QPSK	50	0	17.52	17.56	17.49	18.5	0.0
20	16QAM	1	1	17.60	17.62	17.56	18.5	0.0
20	64QAM	1	1	17.58	17.60	17.51	18.5	0.0
20	256QAM	1	1	17.47	17.51	17.42	18.5	0.0

n41 ANT3 SA&UL MIMO PC2/PC3 (Head) Receiver on

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	18.5	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	17.16	17.25	17.13		
100	PI/2 BPSK	1	137	17.05	17.12	17.05	18.5	0.0
100	PI/2 BPSK	1	271	16.86	16.95	16.83		
100	PI/2 BPSK	135	0	17.25	17.34	17.25		
100	PI/2 BPSK	135	69	17.07	17.14	17.07	18.5	0.0
100	PI/2 BPSK	135	138	16.85	16.98	16.92		
100	PI/2 BPSK	270	0	17.08	17.13	17.08		
100	QPSK	1	1	17.27	17.35	17.26	18.5	0.0
100	QPSK	1	137	17.43	17.58	17.49		
100	QPSK	1	271	16.97	17.01	16.95		
100	QPSK	135	0	17.21	17.30	17.19	18.5	0.0
100	QPSK	135	69	17.11	17.36	17.16		
100	QPSK	135	138	16.94	17.02	16.94		
100	QPSK	270	0	17.11	17.18	17.10	18.5	0.0
100	16QAM	1	1	17.24	17.33	17.21	18.5	0.0
100	64QAM	1	1	17.26	17.34	17.26	18.5	0.0
100	256QAM	1	1	17.01	17.04	16.92	18.5	0.0
Channel				508200	518598	528996	18.5	0.0
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	137	17.50	17.53	17.48		
Channel				507204	518598	529998	18.5	0.0
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	137	17.52	17.50	17.50		
Channel				506202	518598	531000	18.5	0.0
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	137	17.52	17.48	17.50		
Channel				505200	518598	531996	18.5	0.0
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	137	17.51	17.52	17.51		
Channel				504204	518598	532998	18.5	0.0
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	137	17.50	17.51	17.49		
Channel				503202	518598	534000	18.5	0.0
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	137	17.50	17.50	17.52		
Channel				502200	518598	534996	18.5	0.0
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	137	17.49	17.47	17.48		
Channel				501204	518598	535998	18.5	0.0
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	137	17.45	17.50	17.44		
Channel				500700	518598	536496	18.5	0.0
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	137	17.51	17.52	17.46		
Channel				500202	518598	537000	18.5	0.0
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	137	17.44	17.51	17.37		

n41 ANT3 NSA (Head) Receiver on

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	16.0	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	14.17	14.13	14.16		
100	PI/2 BPSK	1	137	14.09	14.11	14.09	16.0	0.0
100	PI/2 BPSK	1	271	13.64	13.69	13.66		
100	PI/2 BPSK	135	0	14.08	14.10	14.12		
100	PI/2 BPSK	135	69	14.12	14.17	14.15	16.0	0.0
100	PI/2 BPSK	135	138	13.70	13.73	13.71		
100	PI/2 BPSK	270	0	14.12	14.10	14.09		
100	QPSK	1	1	14.19	14.13	14.16	16.0	0.0
100	QPSK	1	137	13.82	14.31	14.26		
100	QPSK	1	271	13.63	13.61	13.65		
100	QPSK	135	0	14.21	14.15	14.11	16.0	0.0
100	QPSK	135	69	14.06	14.24	14.07		
100	QPSK	135	138	13.79	13.78	13.78		
100	QPSK	270	0	14.11	14.12	14.12	16.0	0.0
100	16QAM	1	1	13.96	13.97	14.00	16.0	0.0
100	64QAM	1	1	13.80	13.81	13.83	16.0	0.0
100	256QAM	1	1	13.88	13.90	13.97	16.0	0.0
Channel				508200	518598	528996	16.0	0.0
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	137	13.81	14.28	14.24		
Channel				507204	518598	529998	16.0	0.0
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	137	13.78	14.29	14.23		
Channel				506202	518598	531000	16.0	0.0
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	137	13.78	14.28	14.24		
Channel				505200	518598	531996	16.0	0.0
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	137	13.78	14.27	14.23		
Channel				504204	518598	532998	16.0	0.0
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	137	13.80	14.26	14.24		
Channel				503202	518598	534000	16.0	0.0
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	137	13.80	14.29	14.24		
Channel				502200	518598	534996	16.0	0.0
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	137	13.80	14.29	14.23		
Channel				501204	518598	535998	16.0	0.0
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	137	13.77	14.28	14.23		
Channel				500700	518598	536496	16.0	0.0
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	137	13.77	14.26	14.24		
Channel				500202	518598	537000	16.0	0.0
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	137	13.77	14.28	14.21		

n77 ANT 4 SA&UL MIMO PC2/PC3 (Head) Receiver									
on									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000	17.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	14.54	15.55	14.49			
100	PI/2 BPSK	1	137	14.32	15.50	14.56			
100	PI/2 BPSK	1	271	14.30	15.52	14.51	17.0	0.0	
100	PI/2 BPSK	135	0	14.48	15.51	14.71			
100	PI/2 BPSK	135	69	14.32	15.46	14.66			
100	PI/2 BPSK	135	138	14.39	15.49	14.47			
100	PI/2 BPSK	270	0	14.41	15.48	14.54	17.0	0.0	
100	QPSK	1	1	14.44	15.51	14.63			
100	QPSK	1	137	14.39	15.61	14.47			
100	QPSK	1	271	14.37	15.54	14.65			
100	QPSK	135	0	14.41	15.55	14.54	17.0	0.0	
100	QPSK	135	69	14.55	15.56	14.51			
100	QPSK	135	138	14.33	15.55	14.62			
100	QPSK	270	0	14.30	15.47	14.53			
100	16QAM	1	1	14.42	15.48	14.51	17.0	0.0	
100	64QAM	1	1	14.52	15.55	14.51	17.0	0.0	
100	256QAM	1	1	14.30	15.54	14.55	17.0	0.0	
Channel				649668	656000	662332	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3840	3934.98	(dBm)	(dB)	
90	QPSK	1	137	14.44	15.45	14.46	17.0	0.0	
Channel				649334	656000	662666	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3840	3939.99	(dBm)	(dB)	
80	QPSK	1	137	14.37	15.53	14.50	17.0	0.0	
Channel				649000	656000	663000	Tune-up limit	MPR	
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)	
70	QPSK	1	137	14.43	15.56	14.55	17.0	0.0	
Channel				648668	656000	663332	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3840	3949.98	(dBm)	(dB)	
60	QPSK	1	137	14.36	15.53	14.48	17.0	0.0	
Channel				648334	656000	663666	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3840	3954.99	(dBm)	(dB)	
50	QPSK	1	137	14.46	15.57	14.56	17.0	0.0	
Channel				648000	656000	664000	Tune-up limit	MPR	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	QPSK	1	137	14.46	15.55	14.71	17.0	0.0	
Channel				647668	656000	664332	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3840	3964.98	(dBm)	(dB)	
30	QPSK	1	137	14.54	15.51	14.52	17.0	0.0	
Channel				647334	656000	664666	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3840	3969.99	(dBm)	(dB)	
20	QPSK	1	137	14.38	15.51	14.61	17.0	0.0	

n78 ANT 4 SA&NSA&UL MIMO PC2/PC3 (Head) Receiver									
Receiver on									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000		17.0	0.0	
Frequency (MHz)				3750					
100	PI/2 BPSK	1	1		15.65				
100	PI/2 BPSK	1	137		15.45				
100	PI/2 BPSK	1	271		15.37		17.0	0.0	
100	PI/2 BPSK	135	0		15.58				
100	PI/2 BPSK	135	69		15.40				
100	PI/2 BPSK	135	138		15.22				
100	PI/2 BPSK	270	0		15.42		17.0	0.0	
100	QPSK	1	1		15.51				
100	QPSK	1	137		15.69				
100	QPSK	1	271		15.02				
100	QPSK	135	0		15.48		17.0	0.0	
100	QPSK	135	69		15.64				
100	QPSK	135	138		15.29				
100	QPSK	270	0		15.37				
100	16QAM	1	1		15.45		17.0	0.0	
100	64QAM	1	1		15.58		17.0	0.0	
100	256QAM	1	1		15.63		17.0	0.0	
Channel				649668	650000	650332	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)	
90	QPSK	1	137	15.59	15.63	15.57	17.0	0.0	
Channel				649334	650000	650666	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)	
80	QPSK	1	137	15.57	15.60	15.60	17.0	0.0	
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	137	15.59	15.61	15.59	17.0	0.0	
Channel				648668	650000	651332	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)	
60	QPSK	1	137	15.58	15.64	15.56	17.0	0.0	
Channel				648334	650000	651666	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)	
50	QPSK	1	137	15.60	15.64	15.58	17.0	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	137	15.59	15.61	15.56	17.0	0.0	
Channel				647668	650000	652332	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)	
30	QPSK	1	137	15.61	15.63	15.57	17.0	0.0	
Channel				647334	650000	652666	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)	
20	QPSK	1	137	15.60	15.60	15.59	17.0	0.0	



Reduced Power Mode for Body-worn/Handheld

n41 ANT 1 NSA (Bodyworn/Handheld)							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Mid Ch. / Freq	Power High Ch. / Freq	MPR (dB)
Channel				506002	518598	526000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI2 BPSK	1	1	20.63	20.64	20.71	
100	PI2 BPSK	1	137	20.59	20.64	20.52	21.0
100	PI2 BPSK	1	271	20.57	20.64	20.49	
100	PI2 BPSK	135	0	20.61	20.55	20.49	21.0
100	PI2 BPSK	135	69	20.47	20.61	20.46	21.0
100	PI2 BPSK	135	138	20.53	20.77	20.54	21.0
100	PI2 BPSK	270	0	20.55	20.60	20.51	
100	QPSK	1	1	20.55	20.73	20.50	
100	QPSK	1	137	20.73	20.80	20.72	21.0
100	QPSK	1	271	20.72	20.61	20.46	
100	QPSK	135	0	20.61	20.77	20.70	
100	QPSK	135	69	20.55	20.78	20.54	21.0
100	QPSK	135	138	20.61	20.60	20.56	
100	QPSK	270	0	20.53	20.75	20.64	21.0
100	16QAM	1	1	20.53	20.63	20.56	21.0
100	16QAM	1	1	20.66	20.63	20.52	21.0
100	256QAM	1	1	18.14	19.38	19.10	1.5
Channel				507204	518598	526998	
Frequency (MHz)				2541	2592.99	2644.98	
90	QPSK	1	137	20.57	20.66	20.56	21.0
Channel				507204	518598	526998	
Frequency (MHz)				2546.01	2592.99	2644.98	
80	QPSK	1	137	20.58	20.63	20.56	21.0
Channel				508200	518598	531998	
Frequency (MHz)				2524	2592.99	2659.98	
60	QPSK	1	137	20.60	20.64	20.57	21.0
Channel				508204	518598	532998	
Frequency (MHz)				2521.02	2592.99	2664.98	
50	QPSK	1	137	20.60	20.64	20.57	21.0
Channel				509202	518598	533998	
Frequency (MHz)				2516.01	2592.99	2670	
40	QPSK	1	137	20.58	20.64	20.59	21.0
Channel				509200	518598	534998	
Frequency (MHz)				2511	2592.99	2674.98	
30	QPSK	1	137	20.57	20.64	20.57	21.0
Channel				501204	518598	535998	
Frequency (MHz)				2506.02	2592.99	2679.99	
20	QPSK	1	137	20.56	20.66	20.56	21.0

n78 ANT 2 NSA (Bodyworn/Handheld)							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Mid Ch. / Freq	Power High Ch. / Freq	MPR (dB)
Channel				650000			
Frequency (MHz)				3750			
100	PI2 BPSK	1	1		21.22		
100	PI2 BPSK	1	137		21.18		23.0
100	PI2 BPSK	1	271		21.34		
100	PI2 BPSK	135	0		21.25		23.0
100	PI2 BPSK	135	69		21.19		23.0
100	PI2 BPSK	135	138		21.27		23.0
100	PI2 BPSK	270	0		21.07		
100	QPSK	1	1		21.84		
100	QPSK	1	137		21.26		23.0
100	QPSK	1	271		21.13		
100	QPSK	135	0		21.02		
100	QPSK	135	69		21.19		23.0
100	QPSK	135	138		21.13		23.0
100	QPSK	270	0		21.08		23.0
100	16QAM	1	1		21.12		23.0
100	16QAM	1	1		21.01		23.0
100	256QAM	1	1		18.54		3.5
Channel				649998	650000	650332	
Frequency (MHz)				3745.02	3750	3754.98	
90	QPSK	1	137	20.96	21.12	20.93	23.0
Channel				649334	650000	650666	
Frequency (MHz)				3740.01	3750	3760.98	
80	QPSK	1	137	21.12	21.22	20.99	23.0
Channel				648000	650000	651000	
Frequency (MHz)				3735	3750	3765	
70	QPSK	1	137	21.03	21.09	21.10	23.0
Channel				648998	650000	651332	
Frequency (MHz)				3730.02	3750	3769.98	
60	QPSK	1	137	21.03	21.07	20.89	23.0
Channel				648334	650000	651666	
Frequency (MHz)				3725.01	3750	3774.99	
50	QPSK	1	137	21.09	21.16	20.89	23.0
Channel				648000	650000	652000	
Frequency (MHz)				3720	3750	3780	
40	QPSK	1	137	20.99	21.08	20.94	23.0
Channel				647998	650000	652332	
Frequency (MHz)				3715.02	3750	3784.98	
30	QPSK	1	137	20.98	21.14	20.99	23.0
Channel				647334	650000	652666	
Frequency (MHz)				3710.01	3750	3789.99	
20	QPSK	1	137	21.07	21.15	20.84	23.0

Reduced Power Mode for Hotspot on

n2 ANT 2 NSA (Hotspot)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch./Freq.	Power Margin Ch./Freq.	Power High Ch./Freq.	Power-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
20	P12 BPSK	1	1	20.82	20.74	20.87			
20	P12 BPSK	1	53	20.82	20.82	20.75	22.0		0.0
20	P12 BPSK	1	104	20.58	20.71	20.82			
20	P12 BPSK	50	5	20.81	20.86	20.82	22.0		0.0
20	P12 BPSK	50	26	20.88	20.86	20.71	22.0		0.0
20	P12 BPSK	50	50	20.85	20.87	20.81	22.0		0.0
20	P12 BPSK	100	5	20.58	20.85	20.75			0.0
20	QPSK	1	1	20.89	20.72	20.84			
20	QPSK	1	53	20.72	20.82	20.75	22.0		0.0
20	QPSK	1	104	20.51	20.51	20.59			
20	QPSK	50	5	20.86	20.79	20.75	22.0		0.0
20	QPSK	50	26	20.83	20.79	20.75	22.0		0.0
20	QPSK	50	50	20.28	20.38	20.24	22.0		0.0
20	QPSK	100	5	20.38	20.47	20.35			0.0
20	16QAM	1	53	20.36	20.44	20.43	22.0		0.0
20	16QAM	1	53	19.83	19.89	19.85	21.5		0.5
20	256QAM	1	53	18.99	19.11	19.13	19.5		2.5
Channel									
Frequency (MHz)									
15	P12 BPSK	1	53	20.73	20.78	20.71	22.0		0.0
Channel									
Frequency (MHz)									
10	P12 BPSK	1	50	20.14	20.89	20.77	22.0		0.0
Channel									
Frequency (MHz)									
5	P12 BPSK	1	53	20.89	20.78	20.75	22.0		0.0

n25 ANT 2 NSA (Hotspot)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch./Freq.	Power Margin Ch./Freq.	Power High Ch./Freq.	Power-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
20	P12 BPSK	1	1	20.82	20.83	20.82			
20	P12 BPSK	1	53	20.89	20.84	20.77	22.0		0.0
20	P12 BPSK	1	104	20.77	20.81	20.74			
20	P12 BPSK	50	5	20.72	20.78	20.76	22.0		0.0
20	P12 BPSK	50	26	20.78	20.81	20.75	22.0		0.0
20	P12 BPSK	50	50	20.69	20.74	20.68	22.0		0.0
20	P12 BPSK	100	5	20.72	20.78	20.67			
20	QPSK	1	1	20.82	20.82	20.83			
20	QPSK	1	53	20.83	20.85	20.79	22.0		0.0
20	QPSK	1	104	20.64	20.71	20.64			
20	QPSK	50	5	20.84	20.81	20.64	22.0		0.0
20	QPSK	50	26	20.79	20.84	20.78	22.0		0.0
20	QPSK	50	50	20.49	20.51	20.43	22.0		0.0
20	QPSK	100	5	20.43	20.50	20.47	22.0		0.0
20	16QAM	1	1	20.52	20.57	20.50	22.0		0.0
20	16QAM	1	1	19.87	20.05	19.90	21.5		0.5
20	256QAM	1	1	19.19	19.29	19.18	19.5		2.5
Channel									
Frequency (MHz)									
15	P12 BPSK	1	53	20.76	20.81	20.80	22.0		0.0
Channel									
Frequency (MHz)									
10	P12 BPSK	1	50	20.72	20.81	20.80	22.0		0.0
Channel									
Frequency (MHz)									
5	P12 BPSK	1	53	20.76	20.81	20.78	22.0		0.0

n41 ANT 1 SA & UL MIMO PC2 (Hotspot)									
BW [MHz]	Modulation	RB Size	RB Offset	Power Limit Ch./Freq.	Power Margin Ch./Freq.	Power Margin Ch./Freq.	Time-up time (min)	MFR (dB)	
Channel									
Frequency [MHz]									
2546.01 2552.58 2560									
100	PUSC-BPSK	1	1	21.85	21.59	21.44			
100	PUSC-BPSK	1	137	21.47	21.21	21.42	22.0	0	0.0
100	PUSC-BPSK	1	271	21.58	21.61	21.94			
100	PUSC-BPSK	156	6	21.44	21.49	21.51	22.0	0.0	0.0
100	PUSC-BPSK	156	66	21.84	21.59	21.42	22.0	0.0	0.0
100	PUSC-BPSK	156	156	21.45	21.46	21.57			
100	PUSC-BPSK	249	6	21.41	21.51	21.58	22.0	0.0	0.0
100	QPSK	1	1	21.83	21.73	21.84			
100	QPSK	1	137	21.83	21.73	21.84	22.0	0.0	0.0
100	QPSK	1	271	21.43	21.73	21.42			
100	QPSK	156	6	21.46	21.49	21.46			
100	QPSK	156	66	21.85	21.58	21.53	22.0	0.0	0.0
100	QPSK	156	156	21.54	21.68	21.47			
100	QPSK	249	6	21.40	21.46	21.45	22.0	0.0	0.0
100	16QAM	1	1	21.81	21.52	21.86	22.0	0.0	0.0
100	16QAM	1	1	21.58	21.53	21.11	21.5	1.5	1.5
100	256QAM	1	1	19.08	18.28	18.12	18.5	1.5	1.5
Channel									
Frequency [MHz]									
2541 2552.58 2544.98									
90	QPSK	1	137	21.35	21.47	21.36	22.0	0.0	0.0
Channel									
Frequency [MHz]									
2536.02 2552.58 2548.99									
90	QPSK	1	137	21.57	21.47	21.54	22.0	0.0	0.0
Channel									
Frequency [MHz]									
504000 518598 513598									
80	QPSK	1	137	21.34	21.45	21.36	22.0	0.0	0.0
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	20.92	20.92	20.84	22.0	0.0	0.0
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	21.38	21.49	21.38	22.0	0.0	0.0
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	21.35	21.45	21.35	22.0	0.0	0.0
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	21.35	21.44	21.38	22.0	0.0	0.0
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	21.35	21.43	21.35	22.0	0.0	0.0

n41 ANT 1 NSA (Hotspot)									
BW [MHz]	Modulation	RB Size	RB Offset	Power Limit Ch./Freq.	Power Margin Ch./Freq.	Power Margin Ch./Freq.	Time-up time (min)	MFR (dB)	
Channel									
Frequency [MHz]									
2546.01 2552.58 2548									
100	PUSC-BPSK	1	1	18.48	18.80	18.32			
100	PUSC-BPSK	1	133	18.18	18.24	17.98	19.5		0.0
100	PUSC-BPSK	1	271	17.98	18.09	17.77			
100	PUSC-BPSK	156	6	18.35	18.47	18.19	19.5	0.0	
100	PUSC-BPSK	156	66	18.19	18.32	18.01	19.5	0.0	
100	PUSC-BPSK	156	156	18.07	18.18	17.86			
100	PUSC-BPSK	271	6	18.28	18.35	18.03	19.5		0.0
100	QPSK	1	1	18.47	18.58	18.39			
100	QPSK	1	133	18.55	18.68	18.35	19.5	0.0	
100	QPSK	1	271	18.15	18.24	17.99			
100	QPSK	156	6	18.36	18.46	18.09			
100	QPSK	156	66	18.30	18.43	18.13	19.5	0.0	
100	QPSK	156	156	18.14	18.23	17.95			
100	QPSK	271	6	18.35	18.42	18.14	19.5	0.0	
100	16QAM	1	1	18.39	18.50	18.20	19.5	0.0	
100	16QAM	1	1	18.44	18.54	18.23	19.5	0.0	
100	256QAM	1	1	18.32	18.40	18.09	19.5	0.0	
Channel									
Frequency [MHz]									
2541 2552.58 2544.98									
90	QPSK	1	137	18.54	18.83	18.53	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.49	18.59	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504000 518598 513598									
80	QPSK	1	137	18.54	18.65	18.35	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.31	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
80	QPSK	1	137	18.53	18.64	18.32	19.5	0.0	
Channel									
Frequency [MHz]									
504204 518598 533598									
8									

n41 ANT 3 NSA (Hotspot)									
BW [MHz]	Modulation	RB Size	RB Offset	Power Limit Ch./Freq.	Power Margin Ch./Freq.	Power Margin Ch./Freq.	Time-up time (min)	MFR (dB)	
Channel									
Frequency [MHz]									
2546.01 2552.58 2548									
100	PUSC-BPSK	1	1	19.67	19.79	19.71			
100	PUSC-BPSK	1	137	19.62	19.72	19.70	21.0	0	0
100	PUSC-BPSK	1	271	19.25	19.42	19.27			
100	PUSC-BPSK	156	6	19.61	19.73	19.69	21.0	0	0
100	PUSC-BPSK	156	66	19.60	19.70	19.53	21.0	0	0
100	PUSC-BPSK	156	156	19.45	19.47	19.46			
100	PUSC-BPSK	249	6	19.73	19.88	19.87	21.0	0	0
100	QPSK	1	1	19.64	19.70	19.54			
100	QPSK	1	137	19.83	20.13	19.93	21.0	0	0
100	QPSK	1	271	19.40	19.52	19.24			
100	QPSK	156	6	19.69	19.79	19.66			
100	QPSK	156	66	19.70	20.11	19.88	21.0	0	0
100	QPSK	156	156	19.57	19.61	19.49			
100	QPSK	249	6	19.74	19.77	19.37	21.0	0	0
100	16QAM	1	1	19.43	19.61	19.41	21.0	0	0
100	16QAM	1	137	19.58	19.85	19.81	21.0	0	0
100	16QAM	1	271	19.30	19.53	19.21	21.0	0	0
Channel				19.6220	19.6568	19.6444	time-up time	MFR	
Frequency [MHz]				2546.01	2552.58	2548.00	21.0	0	0
90	QPSK	1	137	19.32	19.74	19.64	21.0	0	0
Channel				19.6124	19.6524	19.6324	time-up time	MFR	
Frequency [MHz]				2546.01	2552.58	2548.00	21.0	0	0
90	QPSK	1	137	19.64	19.87	19.51	21.0	0	0
Channel				19.6124	19.6524	19.6324	time-up time	MFR	
Frequency [MHz]				2546.01	2552.58	2548.00	21.0	0	0
Channel				19.6424	19.6924	19.6674	time-up time	MFR	
Frequency [MHz]				2546.01	2552.58	2548.00	21.0	0	0
90	QPSK	1	137	19.31	19.84	19.40	21.0	0	0
Channel				19.6102	19.6598	19.6350	time-up time	MFR	
Frequency [MHz]				2546.01	2552.58	2548.00	21.0	0	0
90	QPSK	1	137	19.65	19.91	19.58	21.0	0	0
Channel				19.6102	19.6598	19.6350	time-up time	MFR	
Frequency [MHz]				2546.01	2552.58	2548.00	21.0	0	0
90	QPSK	1	137	19.31	19.84	19.40	21.0	0	0
Channel				19.6104	19.6604	19.6354	time-up time	MFR	
Frequency [MHz]				2546.01	2552.58	2548.00	21.0	0	0

n77 ANT 2 SA& UL MIMO PC2 (Hotspot)							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (F.Freq.)	Power Mid Ch. (F.Freq.)	Power High Ch. (F.Freq.)	Turn-up time (min)
Channel							
Frequency (MHz)							
3150							
100	PC2 BPSK	1	1	20.71	21.85	20.89	
100	PC2 BPSK	1	137	20.85	21.93	20.97	22.5
100	PC2 BPSK	1	271	20.97	21.74	20.89	
100	PC2 BPSK	135	5	20.85	21.94	20.79	22.5
100	PC2 BPSK	135	89	20.97	21.71	20.71	22.5
100	PC2 BPSK	135	139	20.88	21.97	20.75	
100	PC2 BPSK	275	5	20.85	21.75	20.75	22.5
100	QPSK	1	1	20.83	21.75	20.76	
100	QPSK	1	137	20.85	21.88	20.78	22.5
100	QPSK	1	271	20.81	21.83	20.82	
100	QPSK	135	5	20.81	21.84	20.79	
100	QPSK	135	89	20.83	21.89	20.59	22.5
100	QPSK	135	139	20.77	21.82	20.84	
100	QPSK	275	5	20.77	21.86	20.82	22.5
100	16QAM	1	1	20.97	21.74	20.85	22.5
100	16QAM	1	1	19.72	20.93	19.92	21.5
100	256QAM	1	1	19.84	19.74	19.13	19.5
Channel							
Frequency (MHz)							
3145.02							
3640							
50	QPSK	1	137	21.78	21.83	20.88	22.5
Channel							
Frequency (MHz)							
3140.91							
3640							
50	QPSK	1	137	21.77	21.83	20.74	22.5
Channel							
Frequency (MHz)							
3140.00							
3640							
75	QPSK	1	1	21.77	21.83	20.76	22.5
Channel							
Frequency (MHz)							
3140.00							
3640							
80	QPSK	1	137	20.78	21.84	20.89	22.5
Channel							
Frequency (MHz)							
3140.01							
3720.51							
50	QPSK	1	137	21.77	21.84	20.85	22.5
Channel							
Frequency (MHz)							
3140.00							
3720							
40	QPSK	1	137	20.78	21.84	20.84	22.5
Channel							
Frequency (MHz)							
3140.00							
3720							
36	QPSK	1	137	21.77	21.80	20.59	22.5
Channel							
Frequency (MHz)							
3143.34							
3715.51							
30	QPSK	1	137	20.78	21.79	20.89	22.5

n77 ANT 4 SA& UL MIMO PC2&PC3 (Hotspot)							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (F.Freq.)	Power Mid Ch. (F.Freq.)	Power High Ch. (F.Freq.)	Turn-up time (min)
Channel							
Frequency (MHz)							
3150							
100	PC2 BPSK	1	1	19.81	19.47	19.49	
100	PC2 BPSK	1	137	19.51	19.27	19.55	20.5
100	PC2 BPSK	1	271	19.47	19.32	19.49	
100	PC2 BPSK	135	5	19.29	19.57	19.49	20.5
100	PC2 BPSK	135	89	19.89	19.32	19.59	20.5
100	PC2 BPSK	135	139	19.47	19.32	19.51	20.5
100	PC2 BPSK	275	5	19.39	19.22	19.55	
100	QPSK	1	1	19.51	19.48	19.49	
100	QPSK	1	137	19.76	19.53	19.51	20.5
100	QPSK	1	271	19.53	19.43	19.59	
100	QPSK	135	5	19.84	19.46	19.59	20.5
100	QPSK	135	89	19.51	19.48	19.71	
100	QPSK	135	139	19.43	19.28	19.67	20.5
100	QPSK	275	5	19.62	19.28	19.55	20.5
100	16QAM	1	1	19.52	19.28	19.60	20.5
100	16QAM	1	1	19.34	19.14	19.41	20.5
100	256QAM	1	1	17.43	18.20	17.69	19.5
Channel							
Frequency (MHz)							
3145.02							
3640							
50	QPSK	1	137	19.74	19.49	19.75	20.5
Channel							
Frequency (MHz)							
3142.51							
3640							
80	QPSK	1	137	19.63	19.46	19.73	20.5
Channel							
Frequency (MHz)							
3140.00							
3640							
70	QPSK	1	137	19.58	19.47	19.50	20.5
Channel							
Frequency (MHz)							
3140.00							
3640							
80	QPSK	1	137	19.57	19.46	19.57	20.5
Channel							
Frequency (MHz)							
3142.51							
3724.51							
50	QPSK	1	137	19.76	19.39	19.14	20.5
Channel							
Frequency (MHz)							
3140.00							
3720							
40	QPSK	1	137	19.78	19.39	19.63	20.5
Channel							
Frequency (MHz)							
3140.00							
3720							
36	QPSK	1	137	19.84	19.47	19.71	20.5
Channel							
Frequency (MHz)							
3143.34							
3715.51							
30	QPSK	1	137	19.70	19.29	19.60	20.5

n78 ANT 2 SA&UL MIMO PC2 (Hotspot)												
BW [MHz]	Modulation	RB Size	RE Offset	Power Line Ch./Freq.	Power Main Ch./Freq.	Power Tgt. Ch./Freq.	Time-up time (min)	MPL (dB)				
Channel												
Frequency (MHz)												
100	PIC2 BPSK	1	1	21.11			22.5	0.0				
100	PIC2 BPSK	1	137	21.16								
100	PIC2 BPSK	1	271	21.22			22.5	0.0				
100	PIC2 BPSK	135	0	21.28								
100	PIC2 BPSK	135	66	21.04			22.5	0.0				
100	PIC2 BPSK	135	136	20.96								
100	PIC2 BPSK	270	0	21.32			22.5	0.0				
100	QPSK	1	1	20.95								
100	QPSK	1	137	21.22			22.5	0.0				
100	QPSK	1	271	21.19								
100	QPSK	135	0	21.06			22.5	0.0				
100	QPSK	135	66	21.15								
100	QPSK	135	136	21.02			22.5	0.0				
100	QPSK	270	0	21.12								
100	16QAM	1	1	21.14			22.5	4.0				
100	16QAM	1	1	20.23								
100	256QAM	1	1	18.13			18.5	3.0				
Channel												
Frequency (MHz)												
90	QPSK	1	137	21.13	21.20	21.00	Time-up time (min)	MPL (dB)				
Channel												
Frequency (MHz)												
80	QPSK	1	137	21.12	21.17	21.00	Time-up time (min)	MPL (dB)				
Channel												
Frequency (MHz)												
70	QPSK	1	137	21.10	21.19	21.00	Time-up time (min)	MPL (dB)				
Channel												
Frequency (MHz)												
60	QPSK	1	137	21.11	21.19	21.00	Time-up time (min)	MPL (dB)				
Channel												
Frequency (MHz)												
50	QPSK	1	137	21.13	21.15	21.00	Time-up time (min)	MPL (dB)				
Channel												
Frequency (MHz)												
40	QPSK	1	137	21.13	21.19	21.00	Time-up time (min)	MPL (dB)				
Channel												
Frequency (MHz)												
30	QPSK	1	137	21.11	21.20	21.00	Time-up time (min)	MPL (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	137	21.12	21.19	21.01	Time-up time (min)	MPL (dB)				

n78 ANT 2 NSA (Hotspot)												
BW [MHz]	Modulation	RB Size	RE Offset	Power Line Ch./Freq.	Power Main Ch./Freq.	Power Tgt. Ch./Freq.	Time-up time (min)	MPL (dB)				
Channel												
Frequency (MHz)												
100	PIC2 BPSK	1	1	17.96			19.5	0.0				
100	PIC2 BPSK	1	137	18.24								
100	PIC2 BPSK	1	271	18.43			19.5	0.0				
100	PIC2 BPSK	135	0	18.21								
100	PIC2 BPSK	135	66	18.34			19.5	0.0				
100	PIC2 BPSK	135	136	18.04								
100	PIC2 BPSK	270	0	18.48			19.5	0.0				
100	QPSK	1	1	18.08								
100	QPSK	1	137	18.21			19.5	0.0				
100	QPSK	1	271	18.01								
100	QPSK	135	0	18.26			19.5	0.0				
100	QPSK	135	66	18.35								
100	QPSK	135	136	18.01			19.5	0.0				
100	QPSK	270	0	18.44								
100	16QAM	1	1	18.10			19.5	0.0				
100	16QAM	1	1	18.17								
100	256QAM	1	1	18.00			19.5	0.0				
Channel												
Frequency (MHz)												
90	QPSK	1	137	18.31	18.34	18.20	19.5	0.0				
Channel												
Frequency (MHz)												
80	QPSK	1	137	18.13	18.22	18.27	19.5	0.0				
Channel												
Frequency (MHz)												
70	QPSK	1	137	18.20	18.25	18.10	19.5	0.0				
Channel												
Frequency (MHz)												
60	QPSK	1	137	18.16	18.33	18.20	19.5	0.0				
Channel												
Frequency (MHz)												
50	QPSK	1	137	18.31	18.18	18.28	19.5	0.0				
Channel												
Frequency (MHz)												
40	QPSK	1	137	18.24	18.34	18.28	19.5	0.0				
Channel												
Frequency (MHz)												
30	QPSK	1	137	18.18	18.35	18.14	19.5	0.0				
Channel												
Frequency (MHz)												
20	QPSK	1	137	18.28	18.20	18.13	19.5	0.0				

n78 ANT 4 SA & UL MIMO PC2&PC3 (Hotspot)												
BW [MHz]	Modulation	RB Size	RE Offset	Power Line Ch./Freq.	Power Main Ch./Freq.	Power Tgt. Ch./Freq.	Time-up time (min)	MPL (dB)				
Channel												
Frequency (MHz)												
100	PIC2 BPSK	1	1	19.38			20.5	0.0				
100	PIC2 BPSK	1	137	19.24								
100	PIC2 BPSK	1	271	19.37			20.5	0.0				
100	PIC2 BPSK	135	0	19.32								
100	PIC2 BPSK	135	66	19.34			20.5	0.0				
100	PIC2 BPSK	135	136	19.30								
100	PIC2 BPSK	270	0	19.35			20.5	0.0				
100	QPSK	1	1	19.31								
100	QPSK	1	137	19.43			20.5	0.0				
100	QPSK	1	271	19.28								
100	QPSK	135	0	19.38			20.5	0.0				
100	QPSK	135	66	19.39								
100	QPSK	135	136	19.35			20.5	0.0				
100	QPSK	270	0	19.33								
100	16QAM	1	1	19.28			20.5	0.0				
100	16QAM	1	1	19.23								
100	256QAM	1	1	18.17			19.5	4.5				
Channel												
Frequency (MHz)												
90	QPSK	1	137	19.23	19.24	19.14	20.5	0.0				
Channel												
Frequency (MHz)												
80	QPSK	1	137	19.25	19.14	19.12	20.5	0.0				
Channel												
Frequency (MHz)												
70	QPSK	1	137	19.14	19.21	19.23	20.5	0.0				
Channel												
Frequency (MHz)												
60	QPSK	1	137	19.28	19.28	19.19	20.5	0.0				
Channel												
Frequency (MHz)												
50	QPSK	1	137	19.04	19.09	19.15	20.5	0.0				
Channel												
Frequency (MHz)												
40	QPSK	1	137	19.08	19.13	19.13	20.5	0.0				
Channel												
Frequency (MHz)												
30	QPSK	1	137	19.17	19.08	19.09	20.5	0.0				
Channel												
Frequency (MHz)												
20	QPSK	1	137	19.16	19.08	19.13	20.5	0.0				

BT BR/EDR

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
	CH 00	2402	17.58	14.68	14.70
	CH 39	2441	17.78	14.85	14.89
	CH 78	2480	16.38	13.47	13.56
Tune-up Limit			18.50	15.00	15.00

BT LE

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	17.60
	CH 19	2440	17.80
	CH 39	2480	16.60
Tune-up Limit			18.50

BT LE V5.0

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	17.90
	CH 19	2440	18.10
	CH 39	2480	16.80
Tune-up Limit			18.50