

Uplink CA Power

CA_5B_Ant 1											
Combination 10MHz+10MHz (50RB+50RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
20450	20549	QPSK	1	0	0	0	1	0	Full	22.85	24.00
20575	20476	QPSK	1	0	0	0	1	0	Full	22.91	24.00
20600	20501	QPSK	1	0	0	0	1	0	Full	22.72	24.00
20450	20549	QPSK	1	0	0	0	1	0	Sensor on	20.92	22.00
20575	20476	QPSK	1	0	0	0	1	0	Sensor on	20.88	22.00
20600	20501	QPSK	1	0	0	0	1	0	Sensor on	20.75	22.00

CA_66B_Ant 1											
Combination 15MHz+5MHz (75RB+25RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
132047	132140	QPSK	1	0	0	0	1	0	Full	22.87	24.00
132322	132415	QPSK	1	0	0	0	1	0	Full	22.65	24.00
132597	132504	QPSK	1	0	0	0	1	0	Full	22.81	24.00
132047	132140	QPSK	1	0	0	0	1	0	Sensor on	17.78	19.00
132322	132415	QPSK	1	0	0	0	1	0	Sensor on	17.89	19.00
132597	132504	QPSK	1	0	0	0	1	0	Sensor on	17.67	19.00

CA_66C_Ant 1											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
132072	132270	QPSK	1	0	0	0	1	0	Full	22.82	24.00
132322	132520	QPSK	1	0	0	0	1	0	Full	23.15	24.00
132572	132374	QPSK	1	0	0	0	1	0	Full	22.70	24.00
132072	132270	QPSK	1	0	0	0	1	0	Sensor on	17.88	19.00
132322	132520	QPSK	1	0	0	0	1	0	Sensor on	17.92	19.00
132572	132374	QPSK	1	0	0	0	1	0	Sensor on	17.73	19.00

CA_48C For FCC_Ant 5											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
55340	55538	QPSK	1	0	0	0	1	0	Full	20.37	21.50
55830	56028	QPSK	1	0	0	0	1	0	Full	20.88	21.50
56150	56348	QPSK	1	0	0	0	1	0	Full	20.92	21.50
56640	56442	QPSK	1	0	0	0	1	0	Full	21.02	21.50
55340	55538	QPSK	1	0	0	0	1	0	Sensor on	17.55	19.00
55830	56028	QPSK	1	0	0	0	1	0	Sensor on	17.98	19.00
56150	56348	QPSK	1	0	0	0	1	0	Sensor on	18.01	19.00
56640	56442	QPSK	1	0	0	0	1	0	Sensor on	18.13	19.00

Full Power Mode_SA&ENDC

n2_Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376000	378000	24.0	0.0
Frequency (MHz)				1870	1880	1890		
40	PI2 BPSK	1	1	22.56	22.58	22.55		
40	PI2 BPSK	1	108	22.42	22.52	22.43	24.0	0.0
40	PI2 BPSK	1	214	22.48	22.56	22.47		
40	PI2 BPSK	108	0	22.06	22.07	22.03		
40	PI2 BPSK	108	54	22.53	22.56	22.50	24.0	0.0
40	PI2 BPSK	108	108	21.93	21.96	21.90	23.5	0.5
40	PI2 BPSK	216	0	21.93	21.99	22.01	24.0	0.0
40	QPSK	1	1	22.57	22.60	22.58		
40	QPSK	1	108	22.44	22.55	22.49		
40	QPSK	1	214	22.47	22.54	22.41	23.0	1.0
40	QPSK	108	0	21.47	21.54	21.52		
40	QPSK	108	54	22.54	22.56	22.55		
40	QPSK	108	108	21.60	21.61	21.58	23.0	1.0
40	QPSK	216	0	21.51	21.55	21.50	23.0	1.0
40	16QAM	1	1	21.13	21.16	21.04		
40	64QAM	1	1	19.69	19.79	19.77		
40	256QAM	1	1	18.20	18.35	18.32	19.5	4.5
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1880	1892.5	24.0	0.0
35	QPSK	1	1	22.41	22.44	22.53	24.0	0.0
Channel				373000	376000	379000		
Frequency (MHz)				1865	1880	1895		
30	QPSK	1	1	22.43	22.54	22.52	24.0	0.0
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1897.5	24.0	0.0
25	QPSK	1	1	22.42	22.43	22.44	24.0	0.0
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	22.48	22.44	22.40	24.0	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1892.5	24.0	0.0
15	QPSK	1	1	22.50	22.54	22.51	24.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905	24.0	0.0
10	QPSK	1	1	22.47	22.52	22.44	24.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1897.5	24.0	0.0
5	QPSK	1	1	22.42	22.43	22.42	24.0	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376000	378000	24.0	0.0
Frequency (MHz)				1870	1880	1890		
40	PI2 BPSK	1	1	22.80	22.83	22.78		
40	PI2 BPSK	1	108	22.68	22.78	22.63	24.0	0.0
40	PI2 BPSK	1	214	22.68	22.69	22.68		
40	PI2 BPSK	108	0	22.30	22.31	22.28		
40	PI2 BPSK	108	54	22.78	22.80	22.75	24.0	0.0
40	PI2 BPSK	108	108	22.19	22.28	22.16	23.5	0.5
40	PI2 BPSK	216	0	22.24	22.22	22.22	24.0	0.0
40	QPSK	1	1	22.84	22.85	22.83		
40	QPSK	1	108	22.75	22.80	22.71		
40	QPSK	1	214	22.70	22.77	22.70	23.0	1.0
40	QPSK	108	0	21.76	21.80	21.67		
40	QPSK	108	54	22.82	22.83	22.81		
40	QPSK	108	108	21.73	21.76	21.71	23.0	1.0
40	QPSK	216	0	21.73	21.75	21.72	23.0	1.0
40	16QAM	1	1	21.51	21.60	21.49		
40	64QAM	1	1	20.12	20.18	20.13		
40	256QAM	1	1	18.71	18.72	18.68	19.5	4.5
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1880	1892.5	24.0	0.0
35	QPSK	1	1	22.71	22.79	22.69	24.0	0.0
Channel				373000	376000	379000		
Frequency (MHz)				1865	1880	1895		
30	QPSK	1	1	22.78	22.68	22.78	24.0	0.0
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1897.5	24.0	0.0
25	QPSK	1	1	22.74	22.69	22.80	24.0	0.0
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	22.80	22.69	22.78	24.0	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1892.5	24.0	0.0
15	QPSK	1	1	22.73	22.77	22.70	24.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905	24.0	0.0
10	QPSK	1	1	22.81	22.82	22.71	24.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1897.5	24.0	0.0
5	QPSK	1	1	22.72	22.79	22.66	24.0	0.0

n5_Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				167300	167300	167300	24.0	0.0	
Frequency (MHz)				836.5	836.5	836.5			
25	PI2 BPSK	1	1		22.95				
25	PI2 BPSK	1	65		22.88		24.0	0.0	
25	PI2 BPSK	1	131		22.84				
25	PI2 BPSK	64	0		22.45				
25	PI2 BPSK	64	32		22.93		24.0	0.0	
25	PI2 BPSK	64	66		22.42		23.5	0.5	
25	PI2 BPSK	128	0		22.41		24.0	0.0	
25	QPSK	1	1		22.97				
25	QPSK	1	65		22.75				
25	QPSK	1	131		22.90		23.0	1.0	
25	QPSK	64	0		21.80				
25	QPSK	64	32		22.95				
25	QPSK	64	66		21.69		23.0	1.0	
25	QPSK	128	0		21.85		23.0	1.0	
25	16QAM	1	1		21.60				
25	64QAM	1	1		20.11				
25	256QAM	1	1		18.75		19.5	4.5	
Channel				166800	167300	167800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				834	836.5	839	24.0	0.0	
20	QPSK	1	1		22.92	22.83	22.83	24.0	0.0
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5	24.0	0.0	
15	QPSK	1	1		22.92	22.83	22.89	24.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844	24.0	0.0	
10	QPSK	1	1		22.91	22.85	22.87	24.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5	24.0	0.0	
5	QPSK	1	1		22.85	22.88	22.91	24.0	0.0

n66_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346500	349000	351500	24.0	0.0	
Frequency (MHz)				1732.5	1745	1757.5			
45	PI/2 BPSK	1	1	22.70	22.73	22.68	24.0	0.0	
45	PI/2 BPSK	1	122	22.81	22.70	22.83			
45	PI/2 BPSK	1	241	22.53	22.67	22.66			
45	PI/2 BPSK	120	0	22.23	22.26	22.20	23.5	0.5	
45	PI/2 BPSK	120	60	22.68	22.71	22.67	24.0	0.0	
45	PI/2 BPSK	120	122	22.08	22.22	22.16	23.5	0.5	
45	PI/2 BPSK	243	0	22.16	22.15	22.09	24.0	0.0	
45	QPSK	1	1	22.75	22.76	22.73			
45	QPSK	1	122	22.68	22.73	22.66			
45	QPSK	1	241	21.49	21.56	21.55	23.0	1.0	
45	QPSK	120	0	21.65	21.74	21.69			
45	QPSK	120	60	22.72	22.74	22.71			
45	QPSK	120	122	21.71	21.73	21.70	23.0	1.0	
45	QPSK	243	0	21.73	21.75	21.70	23.0	1.0	
45	16QAM	1	1	21.41	21.50	21.35	23.0	1.0	
45	64QAM	1	1	19.93	20.01	19.88	21.5	2.5	
45	256QAM	1	1	18.57	18.68	18.60	19.5	4.5	
Channel				346000	349000	352000	24.0	0.0	
Frequency (MHz)				1730	1745	1760			
40	QPSK	1	1	22.61	22.69	22.66	24.0	0.0	
Channel				345500	349000	352500	24.0	0.0	
Frequency (MHz)				1727.5	1745	1762.5			
35	QPSK	1	1	22.86	22.70	22.59	24.0	0.0	
Channel				345000	349000	353000	24.0	0.0	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	22.57	22.66	22.57	24.0	0.0	
Channel				344500	349000	353500	24.0	0.0	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	22.66	22.62	22.66	24.0	0.0	
Channel				344000	349000	354000	24.0	0.0	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	22.62	22.71	22.69	24.0	0.0	
Channel				343500	349000	354500	24.0	0.0	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	22.67	22.71	22.61	24.0	0.0	
Channel				343000	349000	355000	24.0	0.0	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	22.61	22.67	22.59	24.0	0.0	
Channel				342500	349000	355500	24.0	0.0	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	22.71	22.68	22.70	24.0	0.0	

n66_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346500	349000	351500	24.0	0.0	
Frequency (MHz)				1732.5	1745	1757.5			
45	PI/2 BPSK	1	1	22.97	22.98	22.95	24.0	0.0	
45	PI/2 BPSK	1	122	22.91	22.91	22.79			
45	PI/2 BPSK	1	241	22.92	22.95	22.79			
45	PI/2 BPSK	120	0	22.43	22.45	22.40	23.5	0.5	
45	PI/2 BPSK	120	60	22.93	22.96	22.91	24.0	0.0	
45	PI/2 BPSK	120	122	22.33	22.38	22.35	23.5	0.5	
45	PI/2 BPSK	243	0	22.40	22.33	22.33	24.0	0.0	
45	QPSK	1	1	22.97	23.01	22.93			
45	QPSK	1	122	22.86	22.89	22.88			
45	QPSK	1	241	21.87	21.93	21.80	23.0	1.0	
45	QPSK	120	0	21.94	21.95	21.85			
45	QPSK	120	60	22.95	22.96	22.91			
45	QPSK	120	122	21.91	21.96	21.89	23.0	1.0	
45	QPSK	243	0	21.93	21.95	21.90	23.0	1.0	
45	16QAM	1	1	21.50	21.59	21.47	23.0	1.0	
45	64QAM	1	1	20.07	20.19	20.13	21.5	2.5	
45	256QAM	1	1	18.75	18.83	18.69	19.5	4.5	
Channel				346000	349000	352000	24.0	0.0	
Frequency (MHz)				1730	1745	1760			
40	QPSK	1	1	22.94	22.84	22.84	24.0	0.0	
Channel				345500	349000	352500	24.0	0.0	
Frequency (MHz)				1727.5	1745	1762.5			
35	QPSK	1	1	22.90	22.85	22.85	24.0	0.0	
Channel				345000	349000	353000	24.0	0.0	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	22.89	22.89	22.81	24.0	0.0	
Channel				344500	349000	353500	24.0	0.0	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	22.84	22.83	22.83	24.0	0.0	
Channel				344000	349000	354000	24.0	0.0	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	22.81	22.84	22.84	24.0	0.0	
Channel				343500	349000	354500	24.0	0.0	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	22.85	22.92	22.85	24.0	0.0	
Channel				343000	349000	355000	24.0	0.0	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	22.89	22.94	22.88	24.0	0.0	
Channel				342500	349000	355500	24.0	0.0	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	22.87	22.94	22.89	24.0	0.0	

Part27Q_n78_Ant 6							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (W)	Power Max Ch. 1 (W)	Power High Ch. 1 (W)	Time-up time (dBm)
Channel							
Frequency (MHz)							
100	PLC BPSK	1	1	22.03			
100	PLC BPSK	1	137	22.05		24.0	
100	PLC BPSK	1	271	22.03			
100	PLC BPSK	136	0	22.07		24.0	0.0
100	PLC BPSK	136	68	22.07		24.0	0.0
100	PLC BPSK	136	136	22.04		24.0	0.0
100	PLC BPSK	270	0	22.08			
100	QPSK	1	1	22.05			
100	QPSK	1	137	22.06		24.0	0.0
100	QPSK	1	271	22.02			
100	QPSK	136	0	22.07			
100	QPSK	136	68	22.05		24.0	0.0
100	QPSK	136	136	22.03			
100	QPSK	270	0	22.05		24.0	0.0
100	16QAM	1	1	22.04		24.0	0.0
100	16QAM	1	1	22.08		24.0	0.0
100	16QAM	1	1	21.82		22.5	1.5
Channel							
Frequency (MHz)							
90	QPSK	1	1	22.09	22.08	22.09	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.09	22.08	22.09	24.0
Channel							
Frequency (MHz)							
70	QPSK	1	1	22.09	22.08	22.09	24.0
Channel							
Frequency (MHz)							
60	QPSK	1	1	23.01	22.98	22.98	24.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	23.02	22.98	22.98	24.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	22.03	22.01	22.03	24.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	23.02	22.97	22.97	24.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	22.09	22.08	22.08	24.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	22.05	22.04	22.05	24.0
Channel							
Frequency (MHz)							
0	QPSK	1	1	22.07	22.02	22.02	24.0

Part27O_n78_Ant 6								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (W)	Power Max Ch. 1 (W)	Power High Ch. 1 (W)	Time-up time (dBm)	MPE (dB)
Channel								
Frequency (MHz)								
100	PLC BPSK	1	1	22.03				
100	PLC BPSK	1	137	22.05		24.0		
100	PLC BPSK	1	271	22.07				
100	PLC BPSK	136	0	22.06		24.0	0.0	
100	PLC BPSK	136	68	22.02		24.0	0.0	
100	PLC BPSK	136	136	22.04		24.0	0.0	
100	PLC BPSK	270	0	22.05				
100	QPSK	1	1	22.05				
100	QPSK	1	137	22.06		24.0	0.0	
100	QPSK	1	271	22.02				
100	QPSK	136	0	22.07			24.0	0.0
100	QPSK	136	68	22.05		24.0	0.0	
100	QPSK	136	136	22.04				
100	QPSK	270	0	22.05		24.0	0.0	
100	16QAM	1	1	22.08		24.0	0.0	
100	16QAM	1	1	22.02		24.0	0.0	
100	256QAM	1	1	21.82		22.5	1.5	
Channel								
Frequency (MHz)								
80								
80	QPSK	1	1	22.07	22.05	22.04	24.0	0.0
Channel								
Frequency (MHz)								
80								
80	QPSK	1	1	22.09	22.08	22.08	24.0	0.0
Channel								
Frequency (MHz)								
70								
70	QPSK	1	1	22.09	22.09	22.09	24.0	0.0
Channel								
Frequency (MHz)								
60								
60	QPSK	1	1	22.00	22.00	22.00	24.0	0.0
Channel								
Frequency (MHz)								
50								
50	QPSK	1	1	22.01	22.00	22.00	24.0	0.0
Channel								
Frequency (MHz)								
40								
40	QPSK	1	1	22.04	22.09	22.09	24.0	0.0
Channel								
Frequency (MHz)								
30								
30	QPSK	1	1	22.04	22.05	22.05	24.0	0.0
Channel								
Frequency (MHz)								
20								
20	QPSK	1	1	22.02	22.02	22.02	24.0	0.0
Channel								
Frequency (MHz)								
10								
10	QPSK	1	1	22.00	22.00	22.00	24.0	0.0
Channel								
Frequency (MHz)								
0								
0	QPSK	1	1	22.02	22.00	22.00	24.0	0.0

UL MIMO_Part27Q_n78				Ant 5				Ant 6				Ant 5+6						
SP (MHz)	Modulation	RS Size	RS Offset	Power Line Ch. / Freq.	Power Margin Ch. / Freq.	Power Hsp Ch. / Freq.	Time-up test (dBm)	MFR (dB)	Power Line Ch. / Freq.	Power Margin Ch. / Freq.	Power Hsp Ch. / Freq.	Time-up test (dBm)	MFR (dB)	Power Line Ch. / Freq.	Power Margin Ch. / Freq.	Power Hsp Ch. / Freq.	Time-up test (dBm)	MFR (dB)
Channel				3750					3750					3750				
100	QPSK	1	1	21.45					21.53					24.50				
100	QPSK	1	157	21.31			22.5	0.0	21.49			22.5	0.0	24.41			25.5	0.0
100	QPSK	1	241	21.45					21.49					24.41				
100	QPSK	137	0	21.49					21.44					24.43				
100	QPSK	137	88	21.45			22.5	0.0	21.51			22.5	0.0	24.45			25.5	0.0
100	QPSK	137	156	21.38					21.44					24.37				
100	QPSK	273	0	21.47			22.5	0.0	21.50			22.5	0.0	24.47			25.5	0.0
100	16QAM	1	1	21.31			22.5	0.0	21.48			22.5	0.0	24.40			25.5	0.0
100	64QAM	1	1	21.30			22.5	0.0	21.39			22.5	0.0	24.38			25.5	0.0
100	256QAM	1	1	21.27			22.5	0.0	21.46			22.5	0.0	24.42			25.5	0.0
Channel				56958	55000	55000	Time-up test (dBm)	MFR	56958	55000	55000	Time-up test (dBm)	MFR	56958	55000	55000	Time-up test (dBm)	MFR
Frequency (MHz)				3746.02	3750	3758.88			3746.02	3750	3758.88			3746.02	3750	3758.88		
90	QPSK	1	1	21.31	21.45	21.36	22.5	0.0	21.41	21.44	21.35	25.5	0.0	24.37	24.45	24.37	25.5	0.0
Channel				64555	65000	65000	Time-up test (dBm)	MFR	64555	65000	65000	Time-up test (dBm)	MFR	64555	65000	65000	Time-up test (dBm)	MFR
Frequency (MHz)				3740.01	3750	3759.00			3740.01	3750	3759.00			3740.01	3750	3759.00		
80	QPSK	1	1	21.35	21.36	21.35	22.5	0.0	21.38	21.46	21.38	25.5	0.0	24.38	24.42	24.37	25.5	0.0
Channel				64600	65000	65000	Time-up test (dBm)	MFR	64600	65000	65000	Time-up test (dBm)	MFR	64600	65000	65000	Time-up test (dBm)	MFR
Frequency (MHz)				3730	3750	3780			3730	3750	3780			3730	3750	3780		
70	QPSK	1	1	21.28	21.41	21.30	22.5	0.0	21.34	21.49	21.33	25.5	0.0	24.32	24.48	24.33	25.5	0.0
Channel				64668	65000	65132	Time-up test (dBm)	MFR	64668	65000	65132	Time-up test (dBm)	MFR	64668	65000	65132	Time-up test (dBm)	MFR
Frequency (MHz)				3730.00	3750	3778.88			3730.00	3750	3778.88			3730.00	3750	3778.88		
60	QPSK	1	1	21.26	21.30	21.30	22.5	0.0	21.41	21.42	21.33	25.5	0.0	24.26	24.42	24.33	25.5	0.0
Channel				64834	65000	65168	Time-up test (dBm)	MFR	64834	65000	65168	Time-up test (dBm)	MFR	64834	65000	65168	Time-up test (dBm)	MFR
Frequency (MHz)				3725.00	3750	3774.88			3725.00	3750	3774.88			3725.00	3750	3774.88		
50	QPSK	1	1	21.27	21.41	21.36	22.5	0.0	21.33	21.42	21.39	25.5	0.0	24.31	24.43	24.39	25.5	0.0
Channel				64900	65000	65000	Time-up test (dBm)	MFR	64900	65000	65000	Time-up test (dBm)	MFR	64900	65000	65000	Time-up test (dBm)	MFR
Frequency (MHz)				3720	3750	3780			3720	3750	3780			3720	3750	3780		
40	QPSK	1	1	21.26	21.37	21.36	22.5	0.0	21.42	21.44	21.34	25.5	0.0	24.35	24.42	24.37	25.5	0.0
Channel				64968	65000	65232	Time-up test (dBm)	MFR	64968	65000	65232	Time-up test (dBm)	MFR	64968	65000	65232	Time-up test (dBm)	MFR
Frequency (MHz)				3715.02	3750	3784.88			3715.02	3750	3784.88			3715.02	3750	3784.88		
30	QPSK	1	1	21.32	21.39	21.31	22.5	0.0	21.33	21.49	21.37	25.5	0.0	24.34	24.38	24.36	25.5	0.0
Channel				64700	65000	65200	Time-up test (dBm)	MFR	64700	65000	65200	Time-up test (dBm)	MFR	64700	65000	65200	Time-up test (dBm)	MFR
Frequency (MHz)				3712.5	3750	3789.0			3712.5	3750	3789.0			3712.5	3750	3789.0		
25	QPSK	1	1	21.34	21.41	21.39	22.5	0.0	21.35	21.48	21.37	25.5	0.0	24.36	24.45	24.39	25.5	0.0
Channel				64734	65000	65288	Time-up test (dBm)	MFR	64734	65000	65288	Time-up test (dBm)	MFR	64734	65000	65288	Time-up test (dBm)	MFR
Frequency (MHz)				3710.01	3750	3786.88			3710.01	3750	3786.88			3710.01	3750	3786.88		
20	QPSK	1	1	21.28	21.39	21.36	22.5	0.0	21.40	21.48	21.36	25.5	0.0	24.35	24.43	24.36	25.5	0.0
Channel				64768	65000	65332	Time-up test (dBm)	MFR	64768	65000	65332	Time-up test (dBm)	MFR	64768	65000	65332	Time-up test (dBm)	MFR
Frequency (MHz)				3707.50	3750	3792.48			3707.50	3750	3792.48			3707.50	3750	3792.48		
15	QPSK	1	1	21.25	21.30	21.34	22.5	0.0	21.37	21.42	21.36	25.5	0.0	24.32	24.42	24.36	25.5	0.0
Channel				64700	65000	65400	Time-up test (dBm)	MFR	64700	65000	65400	Time-up test (dBm)	MFR	64700	65000	65400	Time-up test (dBm)	MFR
Frequency (MHz)				3705	3750	3790			3705	3750	3790			3705	3750	3790		
10	QPSK	1	1	21.32	21.34	21.32	22.5	0.0	21.40	21.45	21.35	25.5	0.0	24.37	24.41	24.35	25.5	0.0

Sensor on Power Mode_SA

n2_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376000	378000	19.0	0.0
Frequency (MHz)				1870	1880	1890		
40	Pi/2 BPSK	1	1	17.42	17.49	17.55		
40	Pi/2 BPSK	1	108	17.43	17.48	17.53		
40	Pi/2 BPSK	1	214	17.44	17.47	17.48		
40	Pi/2 BPSK	108	0	17.46	17.49	17.56	19.0	0.0
40	Pi/2 BPSK	108	54	17.46	17.49	17.55	19.0	0.0
40	Pi/2 BPSK	108	108	17.50	17.46	17.45	19.0	0.0
40	Pi/2 BPSK	216	0	17.56	17.52	17.53	19.0	0.0
40	QPSK	1	1	17.58	17.62	17.60	19.0	0.0
40	QPSK	1	108	17.52	17.48	17.43		
40	QPSK	1	214	17.51	17.49	17.48		
40	QPSK	108	0	17.58	17.47	17.55		
40	QPSK	108	54	17.57	17.60	17.59		
40	QPSK	108	108	17.49	17.52	17.43	19.0	0.0
40	QPSK	216	0	17.55	17.58	17.58	19.0	0.0
40	16QAM	1	1	17.43	17.57	17.53	19.0	0.0
40	64QAM	1	1	17.43	17.56	17.56	19.0	0.0
40	256QAM	1	1	17.50	17.52	17.45	19.0	0.0
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1880	1892.5		
35	QPSK	1	1	17.44	17.46	17.54		
Channel				373000	376000	379000		
Frequency (MHz)				1865	1880	1895		
30	QPSK	1	1	17.46	17.50	17.47	19.0	0.0
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	17.52	17.46	17.50		
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	17.42	17.52	17.46	19.0	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	17.50	17.54	17.58		
Channel				371000	376000	381000		
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	17.52	17.51	17.57	19.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	17.55	17.57	17.46	19.0	0.0

n2_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376000	378000	19.0	0.0
Frequency (MHz)				1870	1880	1890		
40	Pi/2 BPSK	1	1	17.77	17.75	17.82		
40	Pi/2 BPSK	1	108	17.83	17.70	17.71		
40	Pi/2 BPSK	1	214	17.78	17.82	17.75		
40	Pi/2 BPSK	108	0	17.72	17.82	17.76	19.0	0.0
40	Pi/2 BPSK	108	54	17.78	17.74	17.78	19.0	0.0
40	Pi/2 BPSK	108	108	17.70	17.74	17.72	19.0	0.0
40	Pi/2 BPSK	216	0	17.75	17.73	17.81	19.0	0.0
40	QPSK	1	1	17.88	17.87	17.85	19.0	0.0
40	QPSK	1	108	17.71	17.82	17.77		
40	QPSK	1	214	17.74	17.75	17.76		
40	QPSK	108	0	17.73	17.80	17.71		
40	QPSK	108	54	17.84	17.85	17.83		
40	QPSK	108	108	17.69	17.74	17.82	19.0	0.0
40	QPSK	216	0	17.82	17.83	17.81	19.0	0.0
40	16QAM	1	1	17.79	17.76	17.72	19.0	0.0
40	64QAM	1	1	17.76	17.77	17.74	19.0	0.0
40	256QAM	1	1	17.76	17.78	17.74	19.0	0.0
Channel				373500	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1880	1892.5		
35	QPSK	1	1	17.74	17.70	17.72		
Channel				373000	376000	379000		
Frequency (MHz)				1865	1880	1895		
30	QPSK	1	1	17.72	17.79	17.75	19.0	0.0
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	17.69	17.81	17.80	19.0	0.0
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	17.75	17.83	17.82	19.0	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	17.82	17.74	17.69	19.0	0.0
Channel				371000	376000	381000		
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	17.74	17.77	17.78	19.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	17.73	17.84	17.73	19.0	0.0

n5_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				167300	167300	167300	22.0	0.0		
Frequency (MHz)				836.5	836.5	836.5				
25	PV2 BPSK	1	1		20.89					
25	PV2 BPSK	1	65		20.89					
25	PV2 BPSK	1	131		20.81					
25	PV2 BPSK	64	0		20.92		22.0	0.0		
25	PV2 BPSK	64	32		20.88		22.0	0.0		
25	PV2 BPSK	64	66		20.95		22.0	0.0		
25	PV2 BPSK	128	0		20.84		22.0	0.0		
25	QPSK	1	1		20.98					
25	QPSK	1	65		20.82					
25	QPSK	1	131		20.90					
25	QPSK	64	0		20.93					
25	QPSK	64	32		20.96		22.0	0.0		
25	QPSK	64	66		20.91		22.0	0.0		
25	QPSK	128	0		20.95		22.0	0.0		
25	16QAM	1	1		20.93		22.0	0.0		
25	64QAM	1	1		20.11		21.5	0.5		
25	256QAM	1	1		18.75		19.5	2.5		
Channel				166800	167300	167800	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				834	836.5	839				
20	QPSK	1	1	20.86	20.85	20.81			22.0	0.0
Channel				166300	167300	168300			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5				
15	QPSK	1	1	20.93	20.90	20.83	22.0	0.0		
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				829	836.5	844				
10	QPSK	1	1	20.95	20.85	20.83	22.0	0.0		
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				826.5	836.5	846.5				
5	QPSK	1	1	20.85	20.88	20.84	22.0	0.0		

n66_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346500	349000	351500			
Frequency (MHz)				1722.5	1745	1767.5			
45	PI2 BPSK	1	1	17.68	17.67	17.69	19.0	0.0	
45	PI2 BPSK	1	122	17.70	17.64	17.62			
45	PI2 BPSK	1	241	17.67	17.68	17.58			
45	PI2 BPSK	120	0	17.65	17.70	17.61			
45	PI2 BPSK	120	60	17.73	17.72	17.64	19.0	0.0	
45	PI2 BPSK	120	122	17.72	17.70	17.58	19.0	0.0	
45	PI2 BPSK	243	0	17.64	17.73	17.70			
45	QPSK	1	1	17.77	17.78	17.75			
45	QPSK	1	122	17.74	17.69	17.65			
45	QPSK	1	241	17.74	17.72	17.66	19.0	0.0	
45	QPSK	120	0	17.65	17.63	17.64	19.0	0.0	
45	QPSK	120	60	17.75	17.77	17.73			
45	QPSK	120	122	17.69	17.76	17.70			
45	QPSK	243	0	17.73	17.75	17.71			
45	16QAM	1	1	17.67	17.73	17.62	19.0	0.0	
45	64QAM	1	1	17.63	17.68	17.67	19.0	0.0	
45	256QAM	1	1	17.63	17.62	17.63			
Channel				346500	349000	352000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1730	1745	1760			
40	QPSK	1	1	17.60	17.71	17.65	19.0	0.0	
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1727.5	1745	1762.5			
35	QPSK	1	1	17.65	17.67	17.70	19.0	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	17.71	17.71	17.72	19.0	0.0	
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	17.71	17.70	17.71	19.0	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	17.65	17.70	17.59	19.0	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	17.69	17.68	17.65	19.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	17.65	17.72	17.70	19.0	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	17.70	17.70	17.62	19.0	0.0	

n66_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346500	349000	351500			
Frequency (MHz)				1722.5	1745	1767.5			
45	PI2 BPSK	1	1	17.85	17.90	17.81	19.0		0.0
45	PI2 BPSK	1	122	17.87	17.97	17.81			
45	PI2 BPSK	1	241	17.95	18.01	17.84			
45	PI2 BPSK	120	0	17.93	17.96	17.84			
45	PI2 BPSK	120	60	17.96	17.99	17.88	19.0		0.0
45	PI2 BPSK	120	122	17.86	17.96	17.85	19.0		0.0
45	PI2 BPSK	243	0	17.93	17.95	17.81			
45	QPSK	1	1	18.00	18.04	17.95			
45	QPSK	1	122	17.97	18.00	17.80			
45	QPSK	1	241	17.88	17.93	17.84	19.0		0.0
45	QPSK	120	0	17.97	17.97	17.81			
45	QPSK	120	60	17.94	18.02	17.95			
45	QPSK	120	122	17.86	18.00	17.83			
45	QPSK	243	0	17.96	18.00	17.93	19.0		0.0
45	16QAM	1	1	17.95	17.94	17.91	19.0		0.0
45	64QAM	1	1	17.89	17.94	17.91	19.0		0.0
45	256QAM	1	1	17.94	17.89	17.89	19.0		0.0
Channel				346000	349000	352000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1730	1745	1760			
40	QPSK	1	1	17.87	17.93	17.90	19.0		0.0
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1727.5	1745	1762.5			
35	QPSK	1	1	17.94	17.89	17.81	19.0		0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	17.83	17.90	17.87	19.0		0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	17.92	17.94	17.90	19.0		0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	17.87	18.00	17.81	19.0		0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	17.97	18.01	17.87	19.0		0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	17.85	17.91	17.84	19.0		0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	17.94	17.89	17.82	19.0		0.0

Sensor on Power Mode_ENDC

n2_Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374500	376000	378500		
Frequency (MHz)				1870	1880	1890		
40	PI2 BPSK	1	1	17.42	17.49	17.55		
40	PI2 BPSK	1	108	17.43	17.48	17.53	19.0	0.0
40	PI2 BPSK	1	214	17.44	17.47	17.48		
40	PI2 BPSK	108	0	17.46	17.49	17.56	19.0	0.0
40	PI2 BPSK	108	54	17.46	17.48	17.55	19.0	0.0
40	PI2 BPSK	108	108	17.50	17.45	17.45	19.0	0.0
40	PI2 BPSK	216	0	17.56	17.52	17.53		
40	QPSK	1	1	17.58	17.62	17.60		
40	QPSK	1	108	17.52	17.48	17.43	19.0	0.0
40	QPSK	1	214	17.51	17.49	17.46		
40	QPSK	108	0	17.56	17.47	17.55	19.0	0.0
40	QPSK	108	54	17.57	17.47	17.58	19.0	0.0
40	QPSK	108	108	17.49	17.52	17.43	19.0	0.0
40	QPSK	216	0	17.55	17.58	17.56		
40	16QAM	1	1	17.43	17.57	17.53	19.0	0.0
40	64QAM	1	1	17.43	17.56	17.56	19.0	0.0
40	256QAM	1	1	17.50	17.52	17.45	19.0	0.0
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1880	1892.5		
35	QPSK	1	1	17.44	17.40	17.24	11.0	0.0
Channel				372000	376000	379000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1880	1895		
30	QPSK	1	1	17.46	17.58	17.47	19.0	0.0
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	17.52	17.40	17.50	19.0	0.0
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	17.42	17.52	17.46	19.0	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1892.5		
15	QPSK	1	1	17.50	17.54	17.55	19.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	17.52	17.51	17.57	19.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1897.5		
5	QPSK	1	1	17.55	17.57	17.45	19.0	0.0

n2_Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374500	376000	378500		
Frequency (MHz)				1870	1880	1890		
40	PI2 BPSK	1	1	14.78	14.76	14.76		
40	PI2 BPSK	1	108	14.86	14.79	14.77	16.0	0.0
40	PI2 BPSK	1	214	14.85	14.73	14.72		
40	PI2 BPSK	108	0	14.75	14.73	14.81	16.0	0.0
40	PI2 BPSK	108	54	14.75	14.74	14.81	16.0	0.0
40	PI2 BPSK	108	108	14.79	14.82	14.78	16.0	0.0
40	PI2 BPSK	216	0	14.83	14.85	14.75		
40	QPSK	1	1	14.88	14.90	14.87		
40	QPSK	1	108	14.84	14.73	14.76	16.0	0.0
40	QPSK	1	214	14.76	14.82	14.84		
40	QPSK	108	0	14.86	14.78	14.73	16.0	0.0
40	QPSK	108	54	14.87	14.88	14.85	16.0	0.0
40	QPSK	108	108	14.86	14.85	14.80	16.0	0.0
40	QPSK	216	0	14.85	14.88	14.83		
40	16QAM	1	1	14.84	14.78	14.80	16.0	0.0
40	64QAM	1	1	14.73	14.78	14.73	16.0	0.0
40	256QAM	1	1	14.77	14.84	14.74	16.0	0.0
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1880	1892.5		
35	QPSK	1	1	14.74	14.84	14.82	16.0	0.0
Channel				372000	376000	379000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1880	1895		
30	QPSK	1	1	14.77	14.86	14.74	16.0	0.0
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	14.86	14.77	14.80	16.0	0.0
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	14.77	14.85	14.84	16.0	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1892.5		
15	QPSK	1	1	14.72	14.80	14.75	16.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	14.72	14.85	14.82	16.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1897.5		
5	QPSK	1	1	14.83	14.85	14.75	16.0	0.0

n5_Ant 1

n5_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)
Channel				167300	167300	167300		
Frequency (MHz)				836.5	836.5	836.5		
25	PI2 BPSK	1	1		20.89			
25	PI2 BPSK	1	65		20.89		22.0	0.0
25	PI2 BPSK	1	131		20.81			
25	PI2 BPSK	64	0		20.92		22.0	0.0
25	PI2 BPSK	64	32		20.88		22.0	0.0
25	PI2 BPSK	64	66		20.95			
25	PI2 BPSK	128	0		20.84		22.0	0.0
25	QPSK	1	1		20.98			
25	QPSK	1	65		20.82		22.0	0.0
25	QPSK	1	131		20.90			
25	QPSK	64	0		20.93		22.0	0.0
25	QPSK	64	32		20.96		22.0	0.0
25	QPSK	64	66		20.91			
25	QPSK	128	0		20.95		22.0	0.0
25	16QAM	1	1		20.93		22.0	0.0
25	64QAM	1	1		20.11		21.5	0.5
25	256QAM	1	1		18.75		19.5	2.5
Channel				166800	167300	167800	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	20.86	20.85	20.81	22.0	0.0
Channel				166300	167300	168300	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	20.93	20.90	20.83	22.0	0.0
Channel				165800	167300	168800	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	20.95	20.85	20.83	22.0	0.0
Channel				165300	167300	169300	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				826.5 <th>836.5<th>846.5<th></th><th></th></th></th>	836.5 <th>846.5<th></th><th></th></th>	846.5 <th></th> <th></th>		
5	QPSK	1	1	20.85	20.88	20.84	22.0	0.0

n66_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346500	349000	351500			
Frequency (MHz)				1732.5	1745	1757.5			
45	PI/2 BPSK	1	1	17.68	17.67	17.69	19.0	0.0	
45	PI/2 BPSK	1	122	17.70	17.64	17.62			
45	PI/2 BPSK	1	241	17.67	17.68	17.58			
45	PI/2 BPSK	120	0	17.65	17.70	17.61	19.0	0.0	
45	PI/2 BPSK	120	60	17.73	17.72	17.64	19.0	0.0	
45	PI/2 BPSK	120	122	17.72	17.70	17.58	19.0	0.0	
45	PI/2 BPSK	243	0	17.64	17.73	17.70			
45	QPSK	1	1	17.77	17.78	17.75	19.0	0.0	
45	QPSK	1	122	17.74	17.69	17.65			
45	QPSK	1	241	17.74	17.72	17.66			
45	QPSK	120	0	17.65	17.63	17.64	19.0	0.0	
45	QPSK	120	60	17.75	17.77	17.73	19.0	0.0	
45	QPSK	120	122	17.69	17.76	17.70	19.0	0.0	
45	QPSK	243	0	17.73	17.75	17.71			
45	16QAM	1	1	17.67	17.73	17.62	19.0	0.0	
45	64QAM	1	1	17.63	17.66	17.67	19.0	0.0	
45	256QAM	1	1	17.63	17.62	17.63	19.0	0.0	
Channel				346000	349000	352000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1730	1745	1760			
40	QPSK	1	1	17.60	17.71	17.65	19.0	0.0	
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1727.5	1745	1762.5			
35	QPSK	1	1	17.68	17.67	17.70	19.0	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	17.71	17.71	17.72	19.0	0.0	
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	17.71	17.70	17.71	19.0	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	17.65	17.70	17.59	19.0	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	17.69	17.68	17.65	19.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	17.65	17.72	17.70	19.0	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	17.70	17.70	17.62	19.0	0.0	

n66_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346500	349000	351500			
Frequency (MHz)				1723.5	1745	1767.5			
45	PI/2 BPSK	1	1	14.90	14.97	14.85	16.0	0.0	
45	PI/2 BPSK	1	122	14.86	14.97	14.96			
45	PI/2 BPSK	1	241	14.89	14.96	14.90			
45	PI/2 BPSK	120	0	14.91	14.93	14.83	16.0	0.0	
45	PI/2 BPSK	120	60	14.95	14.97	14.84	16.0	0.0	
45	PI/2 BPSK	120	122	14.89	14.89	14.89	16.0	0.0	
45	PI/2 BPSK	243	0	14.92	14.87	14.85			
45	QPSK	1	1	15.01	15.05	15.00	16.0	0.0	
45	QPSK	1	122	14.93	14.93	14.93			
45	QPSK	1	241	14.85	14.90	14.87			
45	QPSK	120	0	14.94	14.87	14.96	16.0	0.0	
45	QPSK	120	60	15.00	15.03	14.98	16.0	0.0	
45	QPSK	120	122	14.87	14.91	14.84	16.0	0.0	
45	QPSK	243	0	14.98	15.00	14.97			
45	16QAM	1	1	14.96	14.88	14.97	16.0	0.0	
45	64QAM	1	1	14.90	14.94	14.89	16.0	0.0	
45	256QAM	1	1	14.91	15.00	14.97	16.0	0.0	
Channel				346000	349000	352000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1730	1745	1760			
40	QPSK	1	1	14.86	14.92	14.89	16.0	0.0	
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1727.5	1745	1762.5			
35	QPSK	1	1	14.88	14.95	14.95	16.0	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	14.96	14.96	14.83	16.0	0.0	
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	14.85	14.91	14.96	16.0	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	14.90	14.94	14.92	16.0	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	14.90	14.98	14.93	16.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	14.94	14.90	14.94	16.0	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	14.94	14.90	14.87	16.0	0.0	

Part27Q_n78_Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Median Ch / Freq	Power High Ch / Freq	Time-up time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
100	PUSC BPSK	1	1	17.92	17.92				
100	PUSC BPSK	1	137	18.94	18.94		18.5	0.0	
100	PUSC BPSK	1	271	17.92	17.92				
100	PUSC BPSK	135	5	18.92	18.92		18.5	0.0	
100	PUSC BPSK	135	99	17.97	17.97		18.5	0.0	
100	PUSC BPSK	135	135	18.02	18.02		18.5	0.0	
100	PUSC BPSK	205	5	17.98	17.98		18.5	0.0	
100	QPSK	1	1	18.07	18.07				
100	QPSK	1	137	17.95	17.95		18.5	0.0	
100	QPSK	1	271	17.95	17.95				
100	QPSK	135	5	17.94	17.94		18.5	0.0	
100	QPSK	135	99	18.02	18.02		18.5	0.0	
100	QPSK	135	135	17.97	17.97		18.5	0.0	
100	QPSK	205	5	18.02	18.02		18.5	0.0	
100	16QAM	1	1	17.98	17.98		18.5	0.0	
100	256QAM	1	1	18.01	18.01		18.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.97	17.98	17.93	18.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.94	17.92	17.97	18.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	18.01	17.95	17.97	18.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	17.94	17.92	17.97	18.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	17.98	17.95	18.03	18.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	17.92	17.92	17.93	18.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	17.95	17.95	17.97	18.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.03	18.03	18.07	18.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	17.97	17.95	17.98	18.5	0.0	
Channel									
Frequency (MHz)									
0	QPSK	1	1	17.94	17.98	17.91	18.5	0.0	

Part27O_n78_Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Median Ch / Freq	Power High Ch / Freq	Time-up time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
100	PUSC BPSK	1	1	17.95	17.95				
100	PUSC BPSK	1	137	17.93	17.93		18.5	0.0	
100	PUSC BPSK	1	271	17.92	17.92				
100	PUSC BPSK	135	5	18.01	18.01		18.5	0.0	
100	PUSC BPSK	135	99	17.98	17.98		18.5	0.0	
100	PUSC BPSK	135	135	17.99	17.99		18.5	0.0	
100	PUSC BPSK	205	5	17.95	17.95		18.5	0.0	
100	QPSK	1	1	18.08	18.08				
100	QPSK	1	137	17.93	17.93		18.5	0.0	
100	QPSK	1	271	17.93	17.93				
100	QPSK	135	5	17.91	17.91		18.5	0.0	
100	QPSK	135	99	18.01	18.01		18.5	0.0	
100	QPSK	135	135	18.01	18.01		18.5	0.0	
100	QPSK	205	5	18.01	18.01		18.5	0.0	
100	16QAM	1	1	17.98	17.98		18.5	0.0	
100	256QAM	1	1	18.01	18.01		18.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	17.97	17.92	17.99	18.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.95	17.91	17.97	18.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	17.98	17.94	17.99	18.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	17.93	17.92	17.94	18.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	17.94	17.91	17.95	18.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	17.92	18.03	17.98	18.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	17.98	17.91	17.91	18.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	17.91	17.91	17.93	18.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	17.95	17.95	17.95	18.5	0.0	
Channel									
Frequency (MHz)									
0	QPSK	1	1	17.97	17.93	18.04	18.5	0.0	

UL MIMO_Part27O_n78				Ant 5					Ant 6					Ant 5+6				
BW (MHz)	Modulation	RE Size	RE Offset	Power Low Ch. (Freq.)	Power Med Ch. (Freq.)	Power High Ch. (Freq.)	Power-up Rate (dBm)	MPS (dB)	Power Low Ch. (Freq.)	Power Med Ch. (Freq.)	Power High Ch. (Freq.)	Power-up Rate (dBm)	MPS (dB)	Power Low Ch. (Freq.)	Power Med Ch. (Freq.)	Power High Ch. (Freq.)	Power-up Rate (dBm)	MPS (dB)
Channel				660000					660000					660000				
Frequency (MHz)				3750					3750					3750				
100	QPSK	1	1	17.86					17.86					17.86				
100	QPSK	1	137	17.82			18.5	0.0	17.90			18.5	0.0	20.87			21.5	0.0
100	QPSK	1	271	17.86					17.83					20.91				
100	QPSK	137	3	17.88					17.91					20.91				
100	QPSK	137	85	17.84			18.5	0.0	17.84			18.5	0.0	20.88			21.5	0.0
100	QPSK	137	136	17.85					18.03					20.95				
100	QPSK	271	9	17.92			18.5	0.0	18.03			18.5	0.0	20.95			21.5	0.0
100	16QAM	1	1	17.79			18.5	0.0	17.98			18.5	0.0	20.90			21.5	0.0
100	16QAM	1	1	17.84			18.5	0.0	17.98			18.5	0.0	20.94			21.5	0.0
100	256QAM	1	1	17.88			18.5	0.0	18.03			18.5	0.0	20.97			21.5	0.0
Channel				660666	660000	660232	Power-up Rate (dBm)	MPS	660666	660000	660232	Power-up Rate (dBm)	MPS	660666	660000	660232	Power-up Rate (dBm)	MPS
Frequency (MHz)				3746.12	3750	3754.36			3746.12	3750	3754.36			3746.12	3750	3754.36		
90	QPSK	1	1	17.83	17.86	17.87	18.5	0.0	17.87	17.92	17.89	21.5	0.0	20.91	20.90	20.94	21.5	0.0
Channel				660334	660000	660666	Power-up Rate (dBm)	MPS	660334	660000	660666	Power-up Rate (dBm)	MPS	660334	660000	660666	Power-up Rate (dBm)	MPS
Frequency (MHz)				3740.61	3750	3759.36			3740.61	3750	3759.36			3740.61	3750	3759.36		
80	QPSK	1	1	17.86	17.82	17.82	18.5	0.0	17.95	17.91	17.93	21.5	0.0	20.92	20.88	20.92	21.5	0.0
Channel				660000	660000	660000	Power-up Rate (dBm)	MPS	660000	660000	660000	Power-up Rate (dBm)	MPS	660000	660000	660000	Power-up Rate (dBm)	MPS
Frequency (MHz)				3735	3750	3765			3735	3750	3765			3735	3750	3765		
70	QPSK	1	1	17.81	17.86	17.83	18.5	0.0	17.98	17.94	17.98	21.5	0.0	20.91	20.95	20.97	21.5	0.0
Channel				660666	660000	661332	Power-up Rate (dBm)	MPS	660666	660000	661332	Power-up Rate (dBm)	MPS	660666	660000	661332	Power-up Rate (dBm)	MPS
Frequency (MHz)				3738.10	3750	3761.90			3738.10	3750	3761.90			3738.10	3750	3761.90		
60	QPSK	1	1	17.90	17.85	17.88	18.5	0.0	18.01	17.95	17.94	21.5	0.0	20.97	20.91	20.92	21.5	0.0
Channel				660334	660000	661666	Power-up Rate (dBm)	MPS	660334	660000	661666	Power-up Rate (dBm)	MPS	660334	660000	661666	Power-up Rate (dBm)	MPS
Frequency (MHz)				3724.11	3750	3774.49			3724.11	3750	3774.49			3724.11	3750	3774.49		
50	QPSK	1	1	17.80	17.86	17.86	18.5	0.0	17.84	18.03	18.03	21.5	0.0	20.88	20.94	20.94	21.5	0.0
Channel				660000	660000	662000	Power-up Rate (dBm)	MPS	660000	660000	662000	Power-up Rate (dBm)	MPS	660000	660000	662000	Power-up Rate (dBm)	MPS
Frequency (MHz)				3720	3750	3780			3720	3750	3780			3720	3750	3780		
40	QPSK	1	1	17.80	17.83	17.88	18.5	0.0	17.92	18.03	17.98	21.5	0.0	20.89	20.94	20.93	21.5	0.0
Channel				667668	660000	662332	Power-up Rate (dBm)	MPS	667668	660000	662332	Power-up Rate (dBm)	MPS	667668	660000	662332	Power-up Rate (dBm)	MPS
Frequency (MHz)				3715.12	3750	3784.98			3715.12	3750	3784.98			3715.12	3750	3784.98		
30	QPSK	1	1	17.91	17.84	17.81	18.5	0.0	17.98	17.91	17.91	21.5	0.0	20.96	20.89	20.87	21.5	0.0
Channel				661332	660000	662666	Power-up Rate (dBm)	MPS	661332	660000	662666	Power-up Rate (dBm)	MPS	661332	660000	662666	Power-up Rate (dBm)	MPS
Frequency (MHz)				3712.5	3750	3787.5			3712.5	3750	3787.5			3712.5	3750	3787.5		
25	QPSK	1	1	17.89	17.87	17.89	18.5	0.0	17.98	17.91	17.93	21.5	0.0	20.94	20.90	20.88	21.5	0.0
Channel				667334	660000	662998	Power-up Rate (dBm)	MPS	667334	660000	662998	Power-up Rate (dBm)	MPS	667334	660000	662998	Power-up Rate (dBm)	MPS
Frequency (MHz)				3713.11	3750	3796.99			3713.11	3750	3796.99			3713.11	3750	3796.99		
20	QPSK	1	1	17.83	17.85	17.82	18.5	0.0	18.01	17.97	18.03	21.5	0.0	20.93	20.93	20.89	21.5	0.0
Channel				667168	660000	663332	Power-up Rate (dBm)	MPS	667168	660000	663332	Power-up Rate (dBm)	MPS	667168	660000	663332	Power-up Rate (dBm)	MPS
Frequency (MHz)				3707.2	3750	3802.46			3707.2	3750	3802.46			3707.2	3750	3802.46		
15	QPSK	1	1	17.89	17.83	17.87	18.5	0.0	17.93	17.98	17.95	21.5	0.0	20.92	20.91	20.91	21.5	0.0
Channel				667000	660000	663666	Power-up Rate (dBm)	MPS	667000	660000	663666	Power-up Rate (dBm)	MPS	667000	660000	663666	Power-up Rate (dBm)	MPS
Frequency (MHz)				3705	3750	3795			3705	3750	3795			3705	3750	3795		
10	QPSK	1	1	17.79	17.87	17.80	18.5	0.0	17.97	17.90	18.00	21.5	0.0	20.89	20.90	20.91	21.5	0.0

<WLAN 2.4GHz FCC>

	Mode	Channel	Frequency (MHz)	Full Power		Duty Cycle %
				Average power (dBm)	Tune-Up Limit	
2.4GHz WLAN	802.11b 1Mbps	1	2412	17.80	18.00	99.64
		6	2437	17.80	18.00	
		11	2462	17.90	18.00	
	802.11g 6Mbps	1	2412	15.10	16.00	97.20
		6	2437	15.10	16.00	
		11	2462	15.60	16.00	
	802.11n-HT20 MCS0	1	2412	14.10	15.00	97.01
		6	2437	14.40	15.00	
		11	2462	14.30	15.00	
	802.11n-HT40 MCS0	3	2422	13.10	14.00	95.59
		6	2437	13.50	14.00	
		9	2452	12.10	12.50	

<WLAN 5GHz FCC>

	Mode	Channel	Frequency (MHz)	Full Power		Duty Cycle %
				Average power (dBm)	Tune-Up Limit	
5.2GHz WLAN	802.11a 6Mbps	36	5180	17.50	18.50	97.20
		40	5200	17.51	18.50	
		44	5220	17.51	18.50	
	802.11n-HT20 MCS0	36	5180	17.87	18.50	97.01
		40	5200	17.63	18.50	
		44	5220	17.69	18.50	
	802.11n-HT40 MCS0	36	5180	17.71	18.50	96.27
		40	5200	16.81	17.00	
		44	5220	16.30	17.00	
	802.11ac-VHT20 MCS0	36	5180	17.75	18.50	97.04
		40	5200	17.60	18.50	
		44	5220	17.60	18.50	
	802.11ac-VHT40 MCS0	36	5180	17.60	18.50	95.59
		40	5200	16.74	17.00	
		44	5220	16.30	17.00	
	802.11ac-VHT80 MCS0	36	5180	16.30	17.00	88.89
		40	5200	13.13	15.00	
		42	5210	13.13	15.00	

	Mode	Channel	Frequency (MHz)	Full Power		Duty Cycle %
				Average power (dBm)	Tune-Up Limit	
5.8GHz WLAN	802.11a 6Mbps	149	5745	17.51	18.50	97.20
		157	5765	17.60	18.50	
		165	5825	17.62	18.50	
	802.11n-HT20 MCS0	149	5745	17.70	18.50	97.01
		157	5765	17.63	18.50	
		165	5825	17.79	18.50	
	802.11n-HT40 MCS0	149	5745	17.69	18.50	96.27
		157	5765	16.14	17.00	
		165	5825	15.10	17.00	
	802.11ac-VHT20 MCS0	149	5745	17.69	18.50	97.04
		157	5765	17.55	18.50	
		165	5825	17.71	18.50	
	802.11ac-VHT40 MCS0	149	5745	17.69	18.50	95.59
		157	5765	16.10	17.00	
		165	5825	15.10	17.00	
	802.11ac-VHT80 MCS0	149	5745	16.10	17.00	88.89
		157	5765	14.36	16.00	
		165	5775	14.36	16.00	