n13 Ant0 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					156400			
Frequency (MHz)					782			
10	PI/2 BPSK	1	1		23.22		24.4	0.0
10	PI/2 BPSK	1	26		23.14			
10	PI/2 BPSK	1	50		23.02			
10	PI/2 BPSK	25	0		23.18		24.4	0.0
10	PI/2 BPSK	25	14		23.19		24.4	0.0
10	PI/2 BPSK	25	27		23.14		24.4	0.0
10	PI/2 BPSK	50	0		23.15			
10	QPSK	1	1		23.26		24.4	0.0
10	QPSK	1	26		23.19			
10	QPSK	1	50		23.07			
10	QPSK	25	0		22.59		24.0	0.4
10	QPSK	25	14		23.08		24.4	0.0
10	QPSK	25	27		22.64		24.0	0.4
10	QPSK	50	0		22.62			
10	16QAM	1	1		22.79		24.0	0.4
10	64QAM	1	1		20.88		22.5	1.9
10	256QAM	1	1		18.97		20.5	3.9
Channel				155900	156400	156900	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	1	23.22	23.22	23.17	24.4	0.0

n14 Ant0 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					158600			
Frequency (MHz)					793			
10	PI/2 BPSK	1	1		23.11		24.4	0.0
10	PI/2 BPSK	1	26		23.05			
10	PI/2 BPSK	1	50		23.15			
10	PI/2 BPSK	25	0		22.75		24.4	0.0
10	PI/2 BPSK	25	14		23.15		24.4	0.0
10	PI/2 BPSK	25	27		22.69		24.4	0.0
10	PI/2 BPSK	50	0		22.70			
10	QPSK	1	1		23.16		24.4	0.0
10	QPSK	1	26		23.15			
10	QPSK	1	50		23.09			
10	QPSK	25	0		22.60		24.0	0.4
10	QPSK	25	14		23.02		24.4	0.0
10	QPSK	25	27		22.61		24.0	0.4
10	QPSK	50	0		22.53			
10	16QAM	1	1		22.68		24.0	0.4
10	64QAM	1	1		20.80		22.5	1.9
10	256QAM	1	1		18.97		20.5	3.9
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				790.5	793	795.5		
5	QPSK	1	1	23.14	23.01	23.11	24.4	0.0

n26 Ant0 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	PI/2 BPSK	1	1	21.94	22.18	21.95	23.6	0.0
20	PI/2 BPSK	1	53	21.96	22.02	21.88		
20	PI/2 BPSK	1	104	21.94	22.03	21.93		
20	PI/2 BPSK	50	0	21.94	22.12	21.96	23.6	0.0
20	PI/2 BPSK	50	28	21.95	22.15	22.01	23.6	0.0
20	PI/2 BPSK	50	56	21.92	21.99	21.92	23.6	0.0
20	PI/2 BPSK	100	0	21.96	22.06	21.81		
20	QPSK	1	1	22.07	22.23	22.05	23.6	0.0
20	QPSK	1	53	21.96	22.07	21.87		
20	QPSK	1	104	21.95	22.05	21.88		
20	QPSK	50	0	21.94	22.19	21.98	23.6	0.0
20	QPSK	50	28	21.98	22.21	21.92	23.6	0.0
20	QPSK	50	56	21.95	22.20	21.99	23.6	0.0
20	QPSK	100	0	22.01	22.18	21.97		
20	16QAM	1	1	21.93	22.11	21.97	23.6	0.0
20	64QAM	1	1	20.76	20.86	20.79	22.5	1.1
20	256QAM	1	1	18.86	19.00	18.97	20.5	3.1
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	22.03	22.13	21.92	23.6	0.0
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	1	22.02	22.18	22.03	23.6	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	1	21.98	22.12	21.92	23.6	0.0

n71 Ant0 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	22.47	22.59	22.51	24.0	0.0
20	PI/2 BPSK	1	53	22.52	22.57	22.45		
20	PI/2 BPSK	1	104	22.41	22.58	22.56		
20	PI/2 BPSK	50	0	22.07	22.13	22.01	23.5	0.5
20	PI/2 BPSK	50	28	22.38	22.51	22.46	24.0	0.0
20	PI/2 BPSK	50	56	21.95	22.03	21.99	23.5	0.5
20	PI/2 BPSK	100	0	21.93	22.06	22.02		
20	QPSK	1	1	22.60	22.65	22.61	24.0	0.0
20	QPSK	1	53	22.40	22.57	22.50		
20	QPSK	1	104	22.48	22.62	22.58		
20	QPSK	50	0	21.47	21.55	21.48	23.0	1.0
20	QPSK	50	28	22.36	22.48	22.34	24.0	0.0
20	QPSK	50	56	21.44	21.57	21.40	23.0	1.0
20	QPSK	100	0	21.36	21.47	21.37		
20	16QAM	1	1	21.62	21.65	21.58	23.0	1.0
20	64QAM	1	1	19.65	19.79	19.70	21.5	2.5
20	256QAM	1	1	17.62	17.76	17.66	19.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.57	22.55	22.45	24.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	22.53	22.57	22.58	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	22.48	22.53	22.59	24.0	0.0

n41 PC2 Ant0 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	19.65	19.58	19.54	20.5	0.0
100	PI/2 BPSK	1	137	19.45	19.54	19.38		
100	PI/2 BPSK	1	271	19.46	19.54	19.34		
100	PI/2 BPSK	135	0	19.64	19.61	19.43	20.5	0.0
100	PI/2 BPSK	135	69	19.41	19.48	19.41	20.5	0.0
100	PI/2 BPSK	135	138	19.41	19.49	19.37	20.5	0.0
100	PI/2 BPSK	270	0	19.39	19.51	19.40		
100	QPSK	1	1	19.63	19.71	19.62	20.5	0.0
100	QPSK	1	137	19.53	19.61	19.59		
100	QPSK	1	271	19.46	19.61	19.56		
100	QPSK	135	0	19.24	19.35	19.27	20.5	0.0
100	QPSK	135	69	19.51	19.62	19.48	20.5	0.0
100	QPSK	135	138	19.31	19.42	19.31	20.5	0.0
100	QPSK	270	0	19.26	19.40	19.29		
100	16QAM	1	1	19.36	19.45	19.41	20.5	0.0
100	64QAM	1	1	19.36	19.40	19.30	20.5	0.0
100	256QAM	1	1	19.66	19.59	19.58	20.5	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	19.58	19.63	19.59	20.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	19.60	19.67	19.55	20.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	19.54	19.61	19.59	20.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	19.58	19.64	19.60	20.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	19.59	19.65	19.60	20.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	19.60	19.63	19.59	20.5	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	19.54	19.65	19.58	20.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	19.54	19.61	19.57	20.5	0.0

n5 Ant1 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	21.72	21.86	21.70	23.6	0.0
20	PI/2 BPSK	1	53	21.84	21.84	21.87		
20	PI/2 BPSK	1	104	21.80	21.80	21.81		
20	PI/2 BPSK	50	0	21.54	21.61	21.51	23.5	0.1
20	PI/2 BPSK	50	28	21.62	21.74	21.64	23.6	0.0
20	PI/2 BPSK	50	56	21.51	21.60	21.59	23.5	0.1
20	PI/2 BPSK	100	0	21.52	21.62	21.54		
20	QPSK	1	1	21.82	22.12	21.81	23.6	0.0
20	QPSK	1	53	21.80	21.78	21.62		
20	QPSK	1	104	21.77	21.90	21.75		
20	QPSK	50	0	21.41	21.43	21.33	23.0	0.6
20	QPSK	50	28	21.77	22.05	21.88	23.6	0.0
20	QPSK	50	56	21.26	21.36	21.24	23.0	0.6
20	QPSK	100	0	21.34	21.39	21.30		
20	16QAM	1	1	21.37	21.54	21.41	23.0	0.6
20	64QAM	1	1	19.53	19.60	19.53	21.5	2.1
20	256QAM	1	1	17.64	17.74	17.76	19.5	4.1
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	21.72	21.99	21.72	23.6	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	21.72	22.03	21.70	23.6	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	21.75	22.03	21.76	23.6	0.0

n12 Ant1 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141300	141500	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	PI/2 BPSK	1	1	22.31	22.41	22.27	24.0	0.0
15	PI/2 BPSK	1	40	22.28	22.39	22.25		
15	PI/2 BPSK	1	77	22.23	22.37	22.30		
15	PI/2 BPSK	36	0	21.88	21.90	21.83	23.5	0.5
15	PI/2 BPSK	36	22	22.21	22.24	22.26	24.0	0.0
15	PI/2 BPSK	36	43	21.77	21.86	21.75	23.5	0.5
15	PI/2 BPSK	75	0	21.76	21.89	21.78		
15	QPSK	1	1	22.38	22.49	22.39	24.0	0.0
15	QPSK	1	40	22.15	22.39	22.23		
15	QPSK	1	77	22.26	22.45	22.42		
15	QPSK	36	0	21.24	21.36	21.26	23.0	1.0
15	QPSK	36	22	22.19	22.32	22.09	24.0	0.0
15	QPSK	36	43	21.18	21.41	21.14	23.0	1.0
15	QPSK	75	0	21.21	21.32	21.17		
15	16QAM	1	1	21.37	21.45	21.42	23.0	1.0
15	64QAM	1	1	19.51	19.69	19.59	21.5	2.5
	256QAM	1	1	17.57	17.68	17.58	19.5	4.5
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	22.28	22.41	22.29	24.0	0.0
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	1	22.33	22.41	22.34	24.0	0.0

n13 Ant1 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					156400			
Frequency (MHz)					782			
10	PI/2 BPSK	1	1		22.20		24.0	0.0
10	PI/2 BPSK	1	26		22.36			
10	PI/2 BPSK	1	50		22.37			
10	PI/2 BPSK	25	0		21.52		23.5	0.5
10	PI/2 BPSK	25	14		22.17		24.0	0.0
10	PI/2 BPSK	25	27		21.54		23.5	0.5
10	PI/2 BPSK	50	0		21.60			
10	QPSK	1	1		22.42		24.0	0.0
10	QPSK	1	26		22.25			
10	QPSK	1	50		22.25			
10	QPSK	25	0		21.34		23.0	1.0
10	QPSK	25	14		22.17		24.0	0.0
10	QPSK	25	27		21.32		23.0	1.0
10	QPSK	50	0		21.46			
10	16QAM	1	1		21.57		23.0	1.0
10	64QAM	1	1		19.67		21.5	2.5
10	256QAM	1	1		17.75		19.5	4.5
Channel				155900	156400	156900	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	1	22.33	22.28	22.28	24.0	0.0

n14 Ant1 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					158600			
Frequency (MHz)					793			
10	PI/2 BPSK	1	1		22.27		24.0	0.0
10	PI/2 BPSK	1	26		22.37			
10	PI/2 BPSK	1	50		22.48			
10	PI/2 BPSK	25	0		21.54		23.5	0.5
10	PI/2 BPSK	25	14		22.33		24.0	0.0
10	PI/2 BPSK	25	27		21.67		23.5	0.5
10	PI/2 BPSK	50	0		21.60			
10	QPSK	1	1		22.54		24.0	0.0
10	QPSK	1	26		22.22			
10	QPSK	1	50		22.35			
10	QPSK	25	0		21.48		23.0	1.0
10	QPSK	25	14		22.27		24.0	0.0
10	QPSK	25	27		21.40		23.0	1.0
10	QPSK	50	0		21.42			
10	16QAM	1	1		21.55		23.0	1.0
10	64QAM	1	1		19.69		21.5	2.5
10	256QAM	1	1		17.76		19.5	4.5
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				790.5	793	795.5		
5	QPSK	1	1	22.49	22.48	22.47	24.0	0.0

n26 Ant1 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	PI/2 BPSK	1	1	21.69	21.78	21.65	23.6	0.0
20	PI/2 BPSK	1	53	21.67	21.84	21.77		
20	PI/2 BPSK	1	104	21.64	21.77	21.70		
20	PI/2 BPSK	50	0	21.53	21.54	21.54	23.5	0.1
20	PI/2 BPSK	50	28	21.66	21.68	21.62	23.6	0.0
20	PI/2 BPSK	50	56	21.55	21.69	21.56	23.5	0.1
20	PI/2 BPSK	100	0	21.56	21.66	21.56		
20	QPSK	1	1	21.85	22.01	21.76	23.6	0.0
20	QPSK	1	53	21.65	21.75	21.71		
20	QPSK	1	104	21.63	21.69	21.63		
20	QPSK	50	0	21.34	21.33	21.22	23.0	0.6
20	QPSK	50	28	21.63	21.65	21.64	23.6	0.0
20	QPSK	50	56	21.27	21.29	21.11	23.0	0.6
20	QPSK	100	0	21.25	21.42	21.21		
20	16QAM	1	1	21.34	21.46	21.33	23.0	0.6
20	64QAM	1	1	19.56	19.57	19.52	21.5	2.1
20	256QAM	1	1	17.62	17.74	17.73	19.5	4.1
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	21.62	21.70	21.62	23.6	0.0
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	1	21.62	21.66	21.65	23.6	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	1	21.66	21.73	21.62	23.6	0.0

n71 Ant1 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	22.20	22.23	22.19	24.0	0.0
20	PI/2 BPSK	1	53	22.31	22.37	22.34		
20	PI/2 BPSK	1	104	22.31	22.39	22.30		
20	PI/2 BPSK	50	0	21.57	21.52	21.58	23.5	0.5
20	PI/2 BPSK	50	28	22.07	22.22	22.13	24.0	0.0
20	PI/2 BPSK	50	56	21.57	21.59	21.51	23.5	0.5
20	PI/2 BPSK	100	0	21.57	21.60	21.59		
20	QPSK	1	1	22.39	22.53	22.30	24.0	0.0
20	QPSK	1	53	22.21	22.29	22.18		
20	QPSK	1	104	22.23	22.25	22.18		
20	QPSK	50	0	21.41	21.41	21.24	23.0	1.0
20	QPSK	50	28	22.11	22.23	22.06	24.0	0.0
20	QPSK	50	56	21.32	21.35	21.23	23.0	1.0
20	QPSK	100	0	21.29	21.48	21.29		
20	16QAM	1	1	21.38	21.60	21.47	23.0	1.0
20	64QAM	1	1	19.59	19.66	19.57	21.5	2.5
20	256QAM	1	1	17.64	17.80	17.69	19.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.28	22.46	22.17	24.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	22.30	22.45	22.17	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	22.29	22.44	22.23	24.0	0.0

n2 Ant2 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	18.90	18.99	18.78	20.2	0.0
20	PI/2 BPSK	1	53	18.64	18.79	18.75		
20	PI/2 BPSK	1	104	18.68	18.85	18.61		
20	PI/2 BPSK	50	0	18.69	18.80	18.60	20.2	0.0
20	PI/2 BPSK	50	28	18.72	18.92	18.59	20.2	0.0
20	PI/2 BPSK	50	56	18.44	18.82	18.61	20.2	0.0
20	PI/2 BPSK	100	0	18.71	18.87	18.70		
20	QPSK	1	1	18.92	19.08	18.92	20.2	0.0
20	QPSK	1	53	18.65	18.87	18.73		
20	QPSK	1	104	18.80	18.96	18.70		
20	QPSK	50	0	18.81	18.88	18.74	20.2	0.0
20	QPSK	50	28	18.75	19.00	18.77	20.2	0.0
20	QPSK	50	56	18.52	18.81	18.72	20.2	0.0
20	QPSK	100	0	18.82	18.95	18.72		
20	16QAM	1	1	18.88	18.86	18.82	20.2	0.0
20	64QAM	1	1	18.57	18.74	18.73	20.2	0.0
20	256QAM	1	1	18.82	18.88	18.61	20.2	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	18.85	19.01	18.87	20.2	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	18.84	19.01	18.83	20.2	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	18.82	19.00	18.86	20.2	0.0

n25 Ant2 DSI4								
BW [MHz]	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	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	18.97	19.06	18.85	20.2	0.0
40	PI/2 BPSK	1	108	18.71	18.86	18.83		
40	PI/2 BPSK	1	214	18.83	18.91	18.68		
40	PI/2 BPSK	108	0	18.83	18.92	18.76	20.2	0.0
40	PI/2 BPSK	108	54	18.88	19.05	18.72	20.2	0.0
40	PI/2 BPSK	108	108	18.59	18.88	18.72	20.2	0.0
40	PI/2 BPSK	216	0	18.83	18.93	18.84		
40	QPSK	1	1	19.01	19.13	18.96	20.2	0.0
40	QPSK	1	108	18.73	18.95	18.87		
40	QPSK	1	214	18.93	19.01	18.76		
40	QPSK	108	0	18.96	19.02	18.85	20.2	0.0
40	QPSK	108	54	18.90	19.11	18.86	20.2	0.0
40	QPSK	108	108	18.66	18.92	18.84	20.2	0.0
40	QPSK	216	0	18.88	19.07	18.87		
40	16QAM	1	1	18.97	18.99	18.92	20.2	0.0
40	64QAM	1	1	18.63	18.88	18.85	20.2	0.0
40	256QAM	1	1	18.91	18.95	18.77	20.2	0.0
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	18.98	19.10	18.90	20.2	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	18.95	19.11	18.92	20.2	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	18.98	19.10	18.87	20.2	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	18.93	19.07	18.89	20.2	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	18.92	19.08	18.90	20.2	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	18.96	19.09	18.86	20.2	0.0

n66 Ant2 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	19.47	19.59	19.55	20.6	0.0
40	PI/2 BPSK	1	108	19.50	19.49	19.38		
40	PI/2 BPSK	1	214	19.60	19.60	19.46		
40	PI/2 BPSK	108	0	19.48	19.54	19.45	20.6	0.0
40	PI/2 BPSK	108	54	19.24	19.39	19.30	20.6	0.0
40	PI/2 BPSK	108	108	19.51	19.50	19.40	20.6	0.0
40	PI/2 BPSK	216	0	19.63	19.64	19.62		
40	QPSK	1	1	19.58	19.65	19.62	20.6	0.0
40	QPSK	1	108	19.56	19.63	19.38		
40	QPSK	1	214	19.37	19.55	19.50		
40	QPSK	108	0	19.43	19.56	19.55	20.6	0.0
40	QPSK	108	54	19.38	19.59	19.42	20.6	0.0
40	QPSK	108	108	19.42	19.47	19.44	20.6	0.0
40	QPSK	216	0	19.45	19.54	19.52		
40	16QAM	1	1	19.50	19.50	19.58	20.6	0.0
40	64QAM	1	1	19.27	19.40	19.23	20.6	0.0
40	256QAM	1	1	18.87	18.92	18.86	20.5	0.1
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	19.50	19.56	19.54	20.6	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	19.50	19.59	19.59	20.6	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	19.51	19.59	19.60	20.6	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	19.51	19.59	19.60	#REF!	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	19.55	19.63	19.54	20.6	0.0

Part27O n77 PC2&PC3 Ant2 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	21.26	21.36	21.18	22.1	0.0
100	PI/2 BPSK	1	137	21.20	21.20	21.11		
100	PI/2 BPSK	1	271	21.15	21.27	21.10		
100	PI/2 BPSK	135	0	21.29	21.34	21.14	22.1	0.0
100	PI/2 BPSK	135	69	21.15	21.21	21.13	22.1	0.0
100	PI/2 BPSK	135	138	21.08	21.23	21.13	22.1	0.0
100	PI/2 BPSK	270	0	21.19	21.22	21.15		
100	QPSK	1	1	21.36	21.42	21.40	22.1	0.0
100	QPSK	1	137	21.27	21.33	21.23		
100	QPSK	1	271	21.22	21.32	21.28		
100	QPSK	135	0	20.99	21.13	21.09	20.1	2.0
100	QPSK	135	69	21.25	21.36	21.24	22.1	0.0
100	QPSK	135	138	21.00	21.13	21.08	22.1	0.0
100	QPSK	270	0	20.96	21.14	20.96		
100	16QAM	1	1	21.09	21.21	21.10	22.1	0.0
100	64QAM	1	1	21.10	21.07	21.00	22.1	0.0
100	256QAM	1	1	20.41	20.51	20.41	21.5	0.6
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	21.26	21.38	21.32	22.1	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	21.30	21.36	21.33	22.1	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	21.28	21.36	21.28	22.1	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	21.23	21.32	21.34	22.1	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	21.32	21.31	21.36	22.1	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	21.29	21.38	21.27	22.1	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	21.33	21.30	21.31	22.1	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	21.25	21.39	21.35	22.1	0.0

Part27Q n77 PC2&PC3 Ant2 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		20.63		22.1	0.0
100	PI/2 BPSK	1	137		20.47			
100	PI/2 BPSK	1	271		20.54			
100	PI/2 BPSK	135	0		20.59		22.1	0.0
100	PI/2 BPSK	135	69		20.44		22.1	0.0
100	PI/2 BPSK	135	138		20.45		22.1	0.0
100	PI/2 BPSK	270	0		20.43			
100	QPSK	1	1		20.67		22.1	0.0
100	QPSK	1	137		20.56			
100	QPSK	1	271		20.59			
100	QPSK	135	0		20.34		22.1	0.0
100	QPSK	135	69		20.62		22.1	0.0
100	QPSK	135	138		20.41		22.1	0.0
100	QPSK	270	0		20.42			
100	16QAM	1	1		20.40		22.1	0.0
100	64QAM	1	1		20.27		22.1	0.0
100	256QAM	1	1		19.69		21.5	0.6
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	20.64	20.63	20.64	22.1	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	20.57	20.61	20.58	22.1	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	20.63	20.59	20.62	22.1	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	20.56	20.64	20.53	22.1	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	20.64	20.60	20.54	22.1	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.53	20.61	20.56	22.1	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	20.62	20.64	20.58	22.1	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	20.63	20.56	20.63	22.1	0.0

Part27O n78 PC2&PC3 Ant2 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		21.24		22.1	0.0
100	PI/2 BPSK	1	137		21.07			
100	PI/2 BPSK	1	271		21.13			
100	PI/2 BPSK	135	0		21.23		22.1	0.0
100	PI/2 BPSK	135	69		21.16		22.1	0.0
100	PI/2 BPSK	135	138		21.14		22.1	0.0
100	PI/2 BPSK	270	0		21.17			
100	QPSK	1	1		21.32		22.1	0.0
100	QPSK	1	137		21.18			
100	QPSK	1	271		21.25			
100	QPSK	135	0		20.99		22.1	0.0
100	QPSK	135	69		21.23		22.1	0.0
100	QPSK	135	138		21.01		22.1	0.0
100	QPSK	270	0		21.07			
100	16QAM	1	1		21.11		22.1	0.0
100	64QAM	1	1		20.99		22.1	0.0
100	256QAM	1	1		20.38		21.5	0.6
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	21.27	21.26	21.18	22.1	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	21.28	21.30	21.23	22.1	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	21.22	21.24	21.26	22.1	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	21.29	21.27	21.18	22.1	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	21.27	21.29	21.23	22.1	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	21.18	21.22	21.21	22.1	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	21.25	21.19	21.26	22.1	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	21.19	21.22	21.21	22.1	0.0

Part27Q n78 PC2&PC3 Ant2 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		20.24		22.1	0.0
100	PI/2 BPSK	1	137		20.35			
100	PI/2 BPSK	1	271		20.39			
100	PI/2 BPSK	135	0		20.19		22.1	0.0
100	PI/2 BPSK	135	69		20.19		22.1	0.0
100	PI/2 BPSK	135	138		20.12		22.1	0.0
100	PI/2 BPSK	270	0		20.35			
100	QPSK	1	1		20.40		22.1	0.0
100	QPSK	1	137		20.24			
100	QPSK	1	271		20.39			
100	QPSK	135	0		20.18		22.1	0.0
100	QPSK	135	69		20.26		22.1	0.0
100	QPSK	135	138		20.15		22.1	0.0
100	QPSK	270	0		20.14			
100	16QAM	1	1		20.35		22.1	0.0
100	64QAM	1	1		20.28		22.1	0.0
100	256QAM	1	1		20.34		21.5	0.6
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	20.31	20.37	20.29	22.1	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	20.26	20.27	20.27	22.1	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	20.37	20.29	20.36	22.1	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	20.29	20.27	20.26	22.1	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	20.33	20.27	20.29	22.1	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.27	20.32	20.31	22.1	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	20.32	20.30	20.37	22.1	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	20.37	20.32	20.31	22.1	0.0

Part96 n77 PC3 Ant2 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332		
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	20.19	20.38	20.30	22.1	0.0
100	PI/2 BPSK	1	137	20.12	20.38	20.20		
100	PI/2 BPSK	1	271	20.35	20.42	20.18		
100	PI/2 BPSK	135	0	19.84	19.86	19.85	22.1	0.0
100	PI/2 BPSK	135	69	20.26	20.33	20.16	22.1	0.0
100	PI/2 BPSK	135	138	20.25	20.31	20.06	22.1	0.0
100	PI/2 BPSK	270	0	20.43	20.41	20.43		
100	QPSK	1	1	20.51	20.65	20.57	22.1	0.0
100	QPSK	1	137	20.36	20.49	20.35		
100	QPSK	1	271	20.36	20.56	20.46		
100	QPSK	135	0	20.28	20.52	20.29	22.1	0.0
100	QPSK	135	69	20.27	20.44	20.35	22.1	0.0
100	QPSK	135	138	20.26	20.36	20.29	22.1	0.0
100	QPSK	270	0	20.36	20.41	20.26		
100	16QAM	1	1	20.27	20.46	20.37	22.1	0.0
100	64QAM	1	1	20.59	20.51	20.34	22.1	0.0
100	256QAM	1	1	20.02	20.10	20.10	20.1	2.0
Channel				639668	641666	643666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	20.47	20.53	20.49	22.1	0.0
Channel				639334	641666	644000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	20.48	20.62	20.51	22.1	0.0
Channel				639000	641666	644332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	20.42	20.58	20.55	22.1	0.0
Channel				638668	641666	644666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	20.47	20.55	20.50	22.1	0.0
Channel				638334	641666	645000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	20.40	20.56	20.47	22.1	0.0
Channel				638000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3570	3624.99	3624.99		
40	QPSK	1	1	20.45	20.62	20.49	22.1	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	20.44	20.55	20.50	22.1	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	20.37	20.55	20.54	22.1	0.0

Part96 n78 PC3 Ant2 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332		
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	20.06	20.35	20.23	22.1	0.0
100	PI/2 BPSK	1	137	20.04	20.27	20.08		
100	PI/2 BPSK	1	271	20.29	20.32	20.10		
100	PI/2 BPSK	135	0	19.81	19.74	19.76	22.1	0.0
100	PI/2 BPSK	135	69	20.20	20.30	20.08	22.1	0.0
100	PI/2 BPSK	135	138	20.20	20.28	19.97	22.1	0.0
100	PI/2 BPSK	270	0	20.41	20.31	20.39		
100	QPSK	1	1	20.43	20.57	20.51	22.1	0.0
100	QPSK	1	137	20.25	20.35	20.27		
100	QPSK	1	271	20.32	20.49	20.42		
100	QPSK	135	0	20.17	20.43	20.20	22.1	0.0
100	QPSK	135	69	20.15	20.33	20.29	22.1	0.0
100	QPSK	135	138	20.15	20.26	20.27	22.1	0.0
100	QPSK	270	0	20.25	20.30	20.17		
100	16QAM	1	1	20.23	20.42	20.30	22.1	0.0
100	64QAM	1	1	20.52	20.42	20.32	22.1	0.0
100	256QAM	1	1	19.81	19.90	19.95	20.1	2.0
Channel				639668	641666	643666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	20.29	20.53	20.48	22.1	0.0
Channel				639334	641666	644000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	20.40	20.44	20.46	22.1	0.0
Channel				639000	641666	644332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	20.35	20.44	20.40	22.1	0.0
Channel				638668	641666	644666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	20.37	20.50	20.41	22.1	0.0
Channel				638334	641666	645000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	20.29	20.54	20.37	22.1	0.0
Channel				638000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3570	3624.99	3679.98		
40	QPSK	1	1	20.36	20.54	20.43	22.1	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	20.31	20.51	20.45	22.1	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	20.33	20.54	20.46	22.1	0.0

n7 Ant3 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	16.04	16.08	16.02	17.2	0.0
40	PI/2 BPSK	1	108	15.84	15.93	15.84		
40	PI/2 BPSK	1	214	15.84	16.04	15.85		
40	PI/2 BPSK	108	0	15.95	16.03	15.95	17.2	0.0
40	PI/2 BPSK	108	54	15.94	16.05	15.88	17.2	0.0
40	PI/2 BPSK	108	108	15.84	15.99	15.70	17.2	0.0
40	PI/2 BPSK	216	0	16.01	15.99	15.90		
40	QPSK	1	1	16.09	16.16	16.12	17.2	0.0
40	QPSK	1	108	15.93	16.05	15.89		
40	QPSK	1	214	15.90	16.11	15.98		
40	QPSK	108	0	16.01	16.09	16.00	17.2	0.0
40	QPSK	108	54	16.07	16.13	16.01	17.2	0.0
40	QPSK	108	108	15.89	16.01	15.80	17.2	0.0
40	QPSK	216	0	16.05	16.09	16.03		
40	16QAM	1	1	16.00	16.03	16.01	17.2	0.0
40	64QAM	1	1	15.88	16.02	15.84	17.2	0.0
40	256QAM	1	1	15.85	16.07	15.92	17.2	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	16.06	16.07	16.03	17.2	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	16.04	16.14	16.07	17.2	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	16.00	16.10	16.09	17.2	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	16.02	16.09	16.06	17.2	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	16.07	16.13	16.02	17.2	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	16.00	16.10	16.03	17.2	0.0

n30 Ant3 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					462000			
Frequency (MHz)					2310			
10	PI/2 BPSK	1	1		18.42		19.6	0.0
10	PI/2 BPSK	1	26		18.42			
10	PI/2 BPSK	1	50		18.35			
10	PI/2 BPSK	25	0		18.47		19.6	0.0
10	PI/2 BPSK	25	14		18.47		19.6	0.0
10	PI/2 BPSK	25	27		18.43		19.6	0.0
10	PI/2 BPSK	50	0		18.36			
10	QPSK	1	1		18.54		19.6	0.0
10	QPSK	1	26		18.47			
10	QPSK	1	50		18.45			
10	QPSK	25	0		18.45		19.6	0.0
10	QPSK	25	14		18.51		18.6	1.0
10	QPSK	25	27		18.46		19.6	0.0
10	QPSK	50	0		18.44			
10	16QAM	1	1		18.42		19.6	0.0
10	64QAM	1	1		18.43		19.6	0.0
10	256QAM	1	1		18.34		19.6	0.0
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	18.51	18.41	18.51	19.6	0.0

n38 Ant3 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	15.97	15.98	15.85	17.4	0.0
40	PI/2 BPSK	1	53	15.81	15.76	15.79		
40	PI/2 BPSK	1	104	15.77	15.84	15.74		
40	PI/2 BPSK	50	0	15.91	15.96	15.81	17.4	0.0
40	PI/2 BPSK	50	28	15.78	15.89	15.81	17.4	0.0
40	PI/2 BPSK	50	56	15.80	15.93	15.74	17.4	0.0
40	PI/2 BPSK	100	0	15.84	15.86	15.82		
40	QPSK	1	1	15.96	16.06	16.01	17.4	0.0
40	QPSK	1	53	15.84	16.00	15.94		
40	QPSK	1	104	15.95	16.01	15.92		
40	QPSK	50	0	15.65	15.79	15.64	17.4	0.0
40	QPSK	50	28	15.86	16.05	15.80	17.4	0.0
40	QPSK	50	56	15.68	15.76	15.67	17.4	0.0
40	QPSK	100	0	15.64	15.75	15.58		

40	16QAM	1	1	15.70	15.81	15.70	17.4	0.0
40	64QAM	1	1	15.63	15.76	15.56	17.4	0.0
40	256QAM	1	1	15.72	15.75	15.61	17.4	0.0
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	15.94	15.99	15.97	17.4	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	15.87	16.02	15.93	17.4	0.0

n41 PC2&PC3 Ant3 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	16.05	16.14	15.92	17.4	0.0
100	PI/2 BPSK	1	137	15.93	15.91	15.92		
100	PI/2 BPSK	1	271	15.86	15.97	15.80		
100	PI/2 BPSK	135	0	15.98	16.10	15.95	17.4	0.0
100	PI/2 BPSK	135	69	15.88	16.00	15.94	17.4	0.0
100	PI/2 BPSK	135	138	15.85	15.97	15.87	17.4	0.0
100	PI/2 BPSK	270	0	15.91	16.00	15.88		
100	QPSK	1	1	16.06	16.16	16.11	17.4	0.0
100	QPSK	1	137	15.90	16.06	16.00		
100	QPSK	1	271	16.01	16.10	16.01		
100	QPSK	135	0	15.74	15.84	15.74	17.4	0.0
100	QPSK	135	69	16.01	16.11	15.91	17.4	0.0
100	QPSK	135	138	15.83	15.89	15.74	17.4	0.0
100	QPSK	270	0	15.76	15.90	15.73		
100	16QAM	1	1	15.77	15.87	15.76	17.4	0.0
100	64QAM	1	1	15.78	15.83	15.72	17.4	0.0
100	256QAM	1	1	15.83	15.86	15.74	17.4	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	15.97	16.12	16.04	17.4	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	16.01	16.08	16.06	17.4	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	16.01	16.11	16.03	17.4	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	16.01	16.07	16.09	17.4	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	15.98	16.11	16.02	17.4	0.0

Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	16.01	16.10	16.03	17.4	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	15.96	16.09	16.07	17.4	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	15.98	16.08	16.02	17.4	0.0

Part27O n77 PC2 Ant3 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	16.74	16.72	16.54	17.4	0.0
100	PI/2 BPSK	1	137	16.51	16.59	16.50		
100	PI/2 BPSK	1	271	16.48	16.63	16.38		
100	PI/2 BPSK	135	0	16.67	16.72	16.60	17.4	0.0
100	PI/2 BPSK	135	69	16.52	16.64	16.51	17.4	0.0
100	PI/2 BPSK	135	138	16.49	16.65	16.52	17.4	0.0
100	PI/2 BPSK	270	0	16.55	16.54	16.52		
100	QPSK	1	1	16.78	16.81	16.73	17.4	0.0
100	QPSK	1	137	16.62	16.74	16.72		
100	QPSK	1	271	16.57	16.79	16.68		
100	QPSK	135	0	16.40	16.50	16.46	17.4	0.0
100	QPSK	135	69	16.58	16.73	16.62	17.4	0.0
100	QPSK	135	138	16.40	16.52	16.44	17.4	0.0
100	QPSK	270	0	16.35	16.49	16.42		
100	16QAM	1	1	16.40	16.53	16.39	17.4	0.0
100	64QAM	1	1	16.46	16.58	16.44	17.4	0.0
100	256QAM	1	1	16.43	16.57	16.45	17.4	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	16.72	16.77	16.68	17.4	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	16.75	16.77	16.68	17.4	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	16.74	16.78	16.64	17.4	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	16.72	16.78	16.70	17.4	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		

50	QPSK	1	1	16.74	16.76	16.67	17.4	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	16.68	16.76	16.66	17.4	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	16.72	16.75	16.68	17.4	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	16.72	16.78	16.67	17.4	0.0

Part27Q n77 PC2 Ant3 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		16.46		17.4	0.0
100	PI/2 BPSK	1	137		16.28			
100	PI/2 BPSK	1	271		16.28			
100	PI/2 BPSK	135	0		16.50		17.4	0.0
100	PI/2 BPSK	135	69		16.37		17.4	0.0
100	PI/2 BPSK	135	138		16.31		17.4	0.0
100	PI/2 BPSK	270	0		16.24			
100	QPSK	1	1		16.51		17.4	0.0
100	QPSK	1	137		16.40			
100	QPSK	1	271		16.43			
100	QPSK	135	0		16.17		17.4	0.0
100	QPSK	135	69		16.41		17.4	0.0
100	QPSK	135	138		16.22		17.4	0.0
100	QPSK	270	0		16.17			
100	16QAM	1	1		16.31		17.4	0.0
100	64QAM	1	1		16.22		17.4	0.0
100	256QAM	1	1		16.21		17.4	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	16.44	16.42	16.42	17.4	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	16.46	16.41	16.41	17.4	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	16.47	16.42	16.44	17.4	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	16.46	16.43	16.44	17.4	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		

50	QPSK	1	1	16.43	16.45	16.42	17.4	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	16.45	16.46	16.42	17.4	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	16.46	16.43	16.42	17.4	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	16.45	16.44	16.41	17.4	0.0

Part27O n78 PC2 Ant3 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		16.58		17.4	0.0
100	PI/2 BPSK	1	137		16.51			
100	PI/2 BPSK	1	271		16.56			
100	PI/2 BPSK	135	0		16.66		17.4	0.0
100	PI/2 BPSK	135	69		16.50		17.4	0.0
100	PI/2 BPSK	135	138		16.52		17.4	0.0
100	PI/2 BPSK	270	0		16.48			
100	QPSK	1	1		16.70		17.4	0.0
100	QPSK	1	137		16.63			
100	QPSK	1	271		16.69			
100	QPSK	135	0		16.39		17.4	0.0
100	QPSK	135	69		16.69		17.4	0.0
100	QPSK	135	138		16.39		17.4	0.0
100	QPSK	270	0		16.36			
100	16QAM	1	1		16.44		17.4	0.0
100	64QAM	1	1		16.49		17.4	0.0
100	256QAM	1	1		16.45		17.4	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	16.63	16.63	16.65	17.4	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	16.61	16.63	16.68	17.4	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	16.64	16.60	16.67	17.4	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	16.60	16.68	16.62	17.4	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		

50	QPSK	1	1	16.61	16.63	16.62	17.4	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	16.61	16.67	16.62	17.4	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	16.64	16.67	16.68	17.4	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	16.64	16.65	16.66	17.4	0.0

Part27Q n78 PC2 Ant3 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		16.32		17.4	0.0
100	PI/2 BPSK	1	137		16.21			
100	PI/2 BPSK	1	271		16.18			
100	PI/2 BPSK	135	0		16.42		17.4	0.0
100	PI/2 BPSK	135	69		16.21		17.4	0.0
100	PI/2 BPSK	135	138		16.26		17.4	0.0
100	PI/2 BPSK	270	0		16.14			
100	QPSK	1	1		16.45		17.4	0.0
100	QPSK	1	137		16.34			
100	QPSK	1	271		16.28			
100	QPSK	135	0		16.05		17.4	0.0
100	QPSK	135	69		16.37		17.4	0.0
100	QPSK	135	138		16.10		17.4	0.0
100	QPSK	270	0		16.06			
100	16QAM	1	1		16.20		17.4	0.0
100	64QAM	1	1		16.10		17.4	0.0
100	256QAM	1	1		16.11		17.4	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	16.43	16.41	16.40	17.4	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	16.39	16.35	16.42	17.4	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	16.40	16.42	16.38	17.4	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	16.42	16.39	16.42	17.4	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		

50	QPSK	1	1	16.38	16.40	16.36	17.4	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	16.37	16.40	16.40	17.4	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	16.42	16.36	16.35	17.4	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	16.43	16.41	16.42	17.4	0.0

Part96 n77 PC3 Ant3 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332		
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	16.53	16.60	16.48	17.4	0.0
100	PI/2 BPSK	1	137	16.35	16.46	16.37		
100	PI/2 BPSK	1	271	16.37	16.43	16.24		
100	PI/2 BPSK	135	0	16.52	16.61	16.40	17.4	0.0
100	PI/2 BPSK	135	69	16.34	16.43	16.35	17.4	0.0
100	PI/2 BPSK	135	138	16.26	16.46	16.38	17.4	0.0
100	PI/2 BPSK	270	0	16.35	16.39	16.42		
100	QPSK	1	1	16.61	16.65	16.62	17.4	0.0
100	QPSK	1	137	16.42	16.53	16.50		
100	QPSK	1	271	16.48	16.54	16.46		
100	QPSK	135	0	16.19	16.33	16.21	17.4	0.0
100	QPSK	135	69	16.49	16.55	16.43	17.4	0.0
100	QPSK	135	138	16.22	16.44	16.26	17.4	0.0
100	QPSK	270	0	16.26	16.28	16.21		
100	16QAM	1	1	16.32	16.39	16.28	17.4	0.0
100	64QAM	1	1	16.34	16.41	16.23	17.4	0.0
100	256QAM	1	1	16.28	16.38	16.32	17.4	0.0
Channel				639668	641666	643666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	16.54	16.59	16.54	17.4	0.0
Channel				639334	641666	644000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	16.51	16.61	16.52	17.4	0.0
Channel				639000	641666	644332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	16.56	16.60	16.56	17.4	0.0
Channel				638668	641666	644666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	16.55	16.56	16.52	17.4	0.0
Channel				638334	641666	645000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3575.01	3624.99	3675		

50	QPSK	1	1	16.57	16.59	16.56	17.4	0.0
Channel				638000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3570	3624.99	3624.99		
40	QPSK	1	1	16.53	16.58	16.54	17.4	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	16.58	16.63	16.54	17.4	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	16.54	16.62	16.58	17.4	0.0

Part96 n78 PC3 Ant3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332		
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	16.43	16.50	16.40	17.4	0.0
100	PI/2 BPSK	1	137	16.25	16.37	16.24		
100	PI/2 BPSK	1	271	16.22	16.37	16.14		
100	PI/2 BPSK	135	0	16.36	16.53	16.26	17.4	0.0
100	PI/2 BPSK	135	69	16.19	16.32	16.21	17.4	0.0
100	PI/2 BPSK	135	138	16.18	16.37	16.32	17.4	0.0
100	PI/2 BPSK	270	0	16.29	16.32	16.32		
100	QPSK	1	1	16.46	16.56	16.53	17.4	0.0
100	QPSK	1	137	16.38	16.39	16.41		
100	QPSK	1	271	16.33	16.49	16.38		
100	QPSK	135	0	16.05	16.22	16.07	17.4	0.0
100	QPSK	135	69	16.35	16.46	16.36	17.4	0.0
100	QPSK	135	138	16.17	16.35	16.14	17.4	0.0
100	QPSK	270	0	16.17	16.19	16.08		
100	16QAM	1	1	16.19	16.26	16.21	17.4	0.0
100	64QAM	1	1	16.30	16.34	16.08	17.4	0.0
100	256QAM	1	1	16.14	16.28	16.19	17.4	0.0
Channel				639668	641666	643666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	16.44	16.47	16.47	17.4	0.0
Channel				639334	641666	644000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	16.43	16.51	16.45	17.4	0.0
Channel				639000	641666	644332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	16.41	16.50	16.44	17.4	0.0
Channel				638668	641666	644666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	16.37	16.50	16.44	17.4	0.0
Channel				638334	641666	645000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3575.01	3624.99	3675		

50	QPSK	1	1	16.41	16.50	16.50	17.4	0.0
Channel				638000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3570	3624.99	3679.98		
40	QPSK	1	1	16.40	16.48	16.43	17.4	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	16.44	16.53	16.46	17.4	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	16.37	16.53	16.48	17.4	0.0

n48 Part96 Ant4 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	19.59	19.68	19.55	20.8	0.0
40	PI/2 BPSK	1	53	19.49	19.54	19.42		
40	PI/2 BPSK	1	104	19.46	19.50	19.38		
40	PI/2 BPSK	50	0	19.63	19.63	19.47	20.8	0.0
40	PI/2 BPSK	50	28	19.42	19.58	19.49	20.8	0.0
40	PI/2 BPSK	50	56	19.39	19.57	19.40	20.8	0.0
40	PI/2 BPSK	100	0	19.40	19.55	19.43		
40	QPSK	1	1	19.64	19.72	19.61	20.8	0.0
40	QPSK	1	53	19.54	19.69	19.57		
40	QPSK	1	104	19.48	19.69	19.52		
40	QPSK	50	0	19.58	19.63	19.58	20.8	0.0
40	QPSK	50	28	19.61	19.69	19.56	20.8	0.0
40	QPSK	50	56	19.57	19.66	19.54	20.8	0.0
40	QPSK	100	0	19.62	19.63	19.56		
40	16QAM	1	1	19.54	19.66	19.53	20.8	0.0
40	64QAM	1	1	19.69	19.70	19.66	20.5	0.3
40	256QAM	1	1	17.75	17.75	17.69	18.5	2.3
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	19.61	19.65	19.55	20.8	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	19.54	19.66	19.52	20.8	0.0

Part27O n77 PC2 Ant4 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		

100	PI/2 BPSK	1	1	20.63	20.67	20.53	21.7	0.0
100	PI/2 BPSK	1	137	20.54	20.54	20.41		
100	PI/2 BPSK	1	271	20.45	20.53	20.37		
100	PI/2 BPSK	135	0	20.69	20.73	20.48	21.7	0.0
100	PI/2 BPSK	135	69	20.41	20.58	20.53	21.7	0.0
100	PI/2 BPSK	135	138	20.40	20.57	20.48	21.7	0.0
100	PI/2 BPSK	270	0	20.52	20.49	20.47		
100	QPSK	1	1	20.71	20.76	20.72	21.7	0.0
100	QPSK	1	137	20.52	20.69	20.68		
100	QPSK	1	271	20.56	20.64	20.64		
100	QPSK	135	0	20.27	20.43	20.41	21.7	0.0
100	QPSK	135	69	20.55	20.69	20.53	21.7	0.0
100	QPSK	135	138	20.41	20.55	20.43	21.7	0.0
100	QPSK	270	0	20.31	20.47	20.34		
100	16QAM	1	1	20.41	20.48	20.39	21.7	0.0
100	64QAM	1	1	20.37	20.51	20.37	21.7	0.0
100	256QAM	1	1	20.59	20.67	20.58	21.7	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	20.61	20.68	20.63	21.7	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	20.57	20.70	20.60	21.7	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	20.62	20.60	20.60	21.7	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	20.58	20.64	20.61	21.7	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	20.60	20.66	20.62	21.7	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	20.56	20.60	20.63	21.7	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	20.58	20.61	20.61	21.7	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	20.55	20.65	20.62	21.7	0.0

Part27Q n77 PC2 Ant4 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			

100	PI/2 BPSK	1	1		20.25		21.7	0.0
100	PI/2 BPSK	1	137		20.13			
100	PI/2 BPSK	1	271		20.10			
100	PI/2 BPSK	135	0		20.21		21.7	0.0
100	PI/2 BPSK	135	69		20.06		21.7	0.0
100	PI/2 BPSK	135	138		20.08		21.7	0.0
100	PI/2 BPSK	270	0		20.14			
100	QPSK	1	1		20.31		21.7	0.0
100	QPSK	1	137		20.24			
100	QPSK	1	271		20.25			
100	QPSK	135	0		19.97		21.7	0.0
100	QPSK	135	69		20.27		21.7	0.0
100	QPSK	135	138		20.09		21.7	0.0
100	QPSK	270	0		20.00			
100	16QAM	1	1		20.09		21.7	0.0
100	64QAM	1	1		20.03		21.7	0.0
100	256QAM	1	1		20.11		21.7	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	20.28	20.27	20.24	21.7	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	20.26	20.27	20.21	21.7	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	20.29	20.21	20.26	21.7	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	20.24	20.24	20.28	21.7	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	20.24	20.22	20.25	21.7	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.23	20.22	20.24	21.7	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	20.22	20.22	20.22	21.7	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	20.23	20.24	20.27	21.7	0.0

Part27O n78 PC2 Ant4 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		

100	PI/2 BPSK	1	1		20.53		21.7	0.0
100	PI/2 BPSK	1	137		20.38			
100	PI/2 BPSK	1	271		20.38			
100	PI/2 BPSK	135	0		20.69		21.7	0.0
100	PI/2 BPSK	135	69		20.45		21.7	0.0
100	PI/2 BPSK	135	138		20.42		21.7	0.0
100	PI/2 BPSK	270	0		20.44			
100	QPSK	1	1		20.70		21.7	0.0
100	QPSK	1	137		20.61			
100	QPSK	1	271		20.58			
100	QPSK	135	0		20.35		21.7	0.0
100	QPSK	135	69		20.61		21.7	0.0
100	QPSK	135	138		20.41		21.7	0.0
100	QPSK	270	0		20.34			
100	16QAM	1	1		20.43		21.7	0.0
100	64QAM	1	1		20.36		21.7	0.0
100	256QAM	1	1		20.54		21.7	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	20.67	20.65	20.63	21.7	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	20.60	20.66	20.61	21.7	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	20.65	20.66	20.65	21.7	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	20.63	20.61	20.63	21.7	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	20.66	20.62	20.61	21.7	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	20.63	20.66	20.65	21.7	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	20.67	20.68	20.64	21.7	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	20.64	20.61	20.60	21.7	0.0

Part27Q n78 PC2 Ant4 DSI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			

100	PI/2 BPSK	1	1		20.16		21.7	0.0
100	PI/2 BPSK	1	137		19.99			
100	PI/2 BPSK	1	271		20.04			
100	PI/2 BPSK	135	0		20.12		21.7	0.0
100	PI/2 BPSK	135	69		20.01		21.7	0.0
100	PI/2 BPSK	135	138		19.96		21.7	0.0
100	PI/2 BPSK	270	0		20.09			
100	QPSK	1	1		20.26		21.7	0.0
100	QPSK	1	137		20.14			
100	QPSK	1	271		20.11			
100	QPSK	135	0		19.86		21.7	0.0
100	QPSK	135	69		20.23		21.7	0.0
100	QPSK	135	138		20.01		21.7	0.0
100	QPSK	270	0		19.88			
100	16QAM	1	1		19.97		21.7	0.0
100	64QAM	1	1		19.96		21.7	0.0
100	256QAM	1	1		20.11		21.7	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	20.23	20.17	20.16	21.7	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	20.18	20.18	20.18	21.7	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	20.19	20.17	20.19	21.7	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	20.20	20.20	20.22	21.7	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	20.20	20.16	20.22	21.7	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.20	20.22	20.16	21.7	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	20.17	20.23	20.18	21.7	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	20.17	20.19	20.19	21.7	0.0

Part96 n77 PC3 Ant4 DSI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332		
Frequency (MHz)				3600	3624.99	3649.98		

100	PI/2 BPSK	1	1	20.40	20.50	20.30	21.7	0.0
100	PI/2 BPSK	1	137	20.30	20.33	20.25		
100	PI/2 BPSK	1	271	20.28	20.28	20.11		
100	PI/2 BPSK	135	0	20.38	20.42	20.24	21.7	0.0
100	PI/2 BPSK	135	69	20.21	20.28	20.19	21.7	0.0
100	PI/2 BPSK	135	138	20.17	20.28	20.26	21.7	0.0
100	PI/2 BPSK	270	0	20.23	20.30	20.26		
100	QPSK	1	1	20.46	20.52	20.51	21.7	0.0
100	QPSK	1	137	20.35	20.47	20.42		
100	QPSK	1	271	20.30	20.51	20.31		
100	QPSK	135	0	20.07	20.17	20.11	21.7	0.0
100	QPSK	135	69	20.28	20.45	20.34	21.7	0.0
100	QPSK	135	138	20.09	20.21	20.18	21.7	0.0
100	QPSK	270	0	20.13	20.24	20.11		
100	16QAM	1	1	20.20	20.29	20.16	21.7	0.0
100	64QAM	1	1	20.20	20.22	20.13	21.7	0.0
100	256QAM	1	1	20.25	20.33	20.21	21.7	0.0
Channel				639668	641666	643666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	20.39	20.45	20.46	21.7	0.0
Channel				639334	641666	644000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	20.38	20.46	20.48	21.7	0.0
Channel				639000	641666	644332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	20.42	20.45	20.48	21.7	0.0
Channel				638668	641666	644666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	20.42	20.48	20.44	21.7	0.0
Channel				638334	641666	645000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	20.40	20.45	20.43	21.7	0.0
Channel				638000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3570	3624.99	3624.99		
40	QPSK	1	1	20.38	20.43	20.45	21.7	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	20.43	20.47	20.45	21.7	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	20.41	20.45	20.44	21.7	0.0

Part96 n78 PC3 Ant4 DSI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332		
Frequency (MHz)				3600	3624.99	3649.98		

100	PI/2 BPSK	1	1	20.25	20.42	20.15	21.7	0.0
100	PI/2 BPSK	1	137	20.17	20.22	20.12		
100	PI/2 BPSK	1	271	20.20	20.21	19.99		
100	PI/2 BPSK	135	0	20.30	20.37	20.10	21.7	0.0
100	PI/2 BPSK	135	69	20.15	20.13	20.11	21.7	0.0
100	PI/2 BPSK	135	138	20.11	20.21	20.11	21.7	0.0
100	PI/2 BPSK	270	0	20.18	20.22	20.17		
100	QPSK	1	1	20.39	20.46	20.41	21.7	0.0
100	QPSK	1	137	20.31	20.33	20.32		
100	QPSK	1	271	20.20	20.40	20.27		
100	QPSK	135	0	20.02	20.12	19.96	21.7	0.0
100	QPSK	135	69	20.13	20.31	20.20	21.7	0.0
100	QPSK	135	138	19.96	20.14	20.06	21.7	0.0
100	QPSK	270	0	20.08	20.12	20.06		
100	16QAM	1	1	20.07	20.23	20.03	21.7	0.0
100	64QAM	1	1	20.16	20.14	20.02	21.7	0.0
100	256QAM	1	1	20.21	20.15	20.11	21.7	0.0
Channel				639668	641666	643666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	20.36	20.44	20.35	21.7	0.0
Channel				639334	641666	644000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	20.34	20.39	20.36	21.7	0.0
Channel				639000	641666	644332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	20.34	20.43	20.38	21.7	0.0
Channel				638668	641666	644666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	20.34	20.37	20.35	21.7	0.0
Channel				638334	641666	645000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	20.31	20.39	20.32	21.7	0.0
Channel				638000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3570	3624.99	3679.98		
40	QPSK	1	1	20.34	20.39	20.37	21.7	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	20.33	20.37	20.35	21.7	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	20.33	20.42	20.33	21.7	0.0

n25 Ant5 Ant5 DSI4								
BW [MHz]	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	376500	379000		
Frequency (MHz)				1870	1882.5	1895		

40	PI/2 BPSK	1	1	20.67	20.78	20.72	22.2	0.0
40	PI/2 BPSK	1	108	20.31	20.39	20.34		
40	PI/2 BPSK	1	214	20.50	20.49	20.24		
40	PI/2 BPSK	108	0	20.67	20.81	20.72	22.2	0.0
40	PI/2 BPSK	108	54	20.63	20.77	20.70	22.2	0.0
40	PI/2 BPSK	108	108	20.29	20.40	20.35	22.2	0.0
40	PI/2 BPSK	216	0	20.53	20.57	20.24		
40	QPSK	1	1	20.72	20.88	20.81	22.2	0.0
40	QPSK	1	108	20.37	20.53	20.41		
40	QPSK	1	214	20.56	20.60	20.34		
40	QPSK	108	0	20.69	20.79	20.69	22.2	0.0
40	QPSK	108	54	20.65	20.85	20.78	22.2	0.0
40	QPSK	108	108	20.25	20.46	20.33	22.2	0.0
40	QPSK	216	0	20.63	20.79	20.78		
40	16QAM	1	1	20.35	20.50	20.34	22.2	0.0
40	64QAM	1	1	20.69	20.84	20.74	22.2	0.0
40	256QAM	1	1	19.69	19.71	19.55	20.5	1.7
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	20.67	20.79	20.73	22.2	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	20.64	20.80	20.73	22.2	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	20.64	20.81	20.73	22.2	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	20.63	20.79	20.74	22.2	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	20.69	20.81	20.73	22.2	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	20.64	20.82	20.75	22.2	0.0

n66 Ant5 Ant5 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	21.49	21.56	21.44	22.5	0.0
40	PI/2 BPSK	1	108	21.08	21.36	21.20		
40	PI/2 BPSK	1	214	21.18	21.44	21.15		
40	PI/2 BPSK	108	0	21.11	21.19	21.30	22.5	0.0
40	PI/2 BPSK	108	54	21.48	21.60	21.40	22.5	0.0
40	PI/2 BPSK	108	108	21.11	21.35	21.20	22.5	0.0
40	PI/2 BPSK	216	0	21.10	21.33	21.20		

40	QPSK	1	1	21.50	21.62	21.49	22.5	0.0
40	QPSK	1	108	21.20	21.32	21.28		
40	QPSK	1	214	21.30	21.50	21.15		
40	QPSK	108	0	21.16	21.36	21.23	22.5	0.0
40	QPSK	108	54	21.50	21.60	21.41	22.5	0.0
40	QPSK	108	108	21.08	21.29	21.18	22.5	0.0
40	QPSK	216	0	21.21	21.29	21.24		
40	16QAM	1	1	21.12	21.32	21.21	22.5	0.0
40	64QAM	1	1	21.47	21.59	21.45	22.5	0.0
40	256QAM	1	1	19.58	19.65	19.39	20.5	2.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	21.47	21.60	21.43	22.5	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	21.45	21.58	21.45	22.5	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	21.43	21.58	21.46	22.5	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	21.48	21.54	21.41	22.5	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	21.44	21.58	21.39	22.5	0.0

n41 PC2 Ant5 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	18.79	18.73	18.65	19.9	0.0
100	PI/2 BPSK	1	137	18.62	18.66	18.48		
100	PI/2 BPSK	1	271	18.54	18.56	18.44		
100	PI/2 BPSK	135	0	18.66	18.81	18.53	19.9	0.0
100	PI/2 BPSK	135	69	18.50	18.58	18.53	19.9	0.0
100	PI/2 BPSK	135	138	18.48	18.61	18.48	19.9	0.0
100	PI/2 BPSK	270	0	18.52	18.57	18.55		
100	QPSK	1	1	18.75	18.83	18.77	19.9	0.0
100	QPSK	1	137	18.63	18.76	18.74		
100	QPSK	1	271	18.60	18.78	18.67		
100	QPSK	135	0	18.38	18.45	18.49	19.9	0.0
100	QPSK	135	69	18.59	18.74	18.63	19.9	0.0
100	QPSK	135	138	18.49	18.54	18.45	19.9	0.0
100	QPSK	270	0	18.40	18.56	18.43		
100	16QAM	1	1	18.42	18.53	18.50	19.9	0.0
100	64QAM	1	1	18.47	18.53	18.39	19.9	0.0
100	256QAM	1	1	18.72	18.74	18.70	19.9	0.0

Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	18.72	18.81	18.67	19.9	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	18.71	18.81	18.69	19.9	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	18.67	18.75	18.71	19.9	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	18.68	18.75	18.74	19.9	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	18.68	18.75	18.71	19.9	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	18.65	18.80	18.71	19.9	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	18.72	18.73	18.68	19.9	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	18.66	18.73	18.73	19.9	0.0

n41 PC2 Ant6 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	17.10	17.13	17.01	18.3	0.0
100	PI/2 BPSK	1	137	16.95	17.04	16.95		
100	PI/2 BPSK	1	271	17.01	16.99	16.89		
100	PI/2 BPSK	135	0	17.17	17.24	16.98	18.3	0.0
100	PI/2 BPSK	135	69	16.99	17.05	16.93	18.3	0.0
100	PI/2 BPSK	135	138	16.88	17.07	16.98	18.3	0.0
100	PI/2 BPSK	270	0	16.95	16.97	17.00		
100	QPSK	1	1	17.17	17.25	17.21	18.3	0.0
100	QPSK	1	137	17.04	17.20	17.14		
100	QPSK	1	271	17.04	17.21	17.09		
100	QPSK	135	0	16.84	16.90	16.81	18.3	0.0
100	QPSK	135	69	17.09	17.11	17.02	18.3	0.0
100	QPSK	135	138	16.83	16.96	16.91	18.3	0.0
100	QPSK	270	0	16.79	17.00	16.80		
100	16QAM	1	1	16.88	16.97	16.85	18.3	0.0

100	64QAM	1	1	16.85	16.93	16.79	18.3	0.0
100	256QAM	1	1	16.96	16.96	16.88	18.3	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	17.11	17.18	17.14	18.3	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	17.14	17.15	17.14	18.3	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	17.14	17.17	17.16	18.3	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	17.09	17.16	17.19	18.3	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	17.07	17.19	17.17	18.3	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	17.15	17.17	17.16	18.3	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	17.13	17.21	17.15	18.3	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	17.13	17.18	17.18	18.3	0.0

Part27O n77 PC2 Ant6 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	19.02	18.93	18.80	19.8	0.0
100	PI/2 BPSK	1	137	18.82	18.90	18.82		
100	PI/2 BPSK	1	271	18.76	18.84	18.72		
100	PI/2 BPSK	135	0	19.00	19.05	18.78	19.8	0.0
100	PI/2 BPSK	135	69	18.71	18.83	18.81	19.8	0.0
100	PI/2 BPSK	135	138	18.69	18.92	18.76	19.8	0.0
100	PI/2 BPSK	270	0	18.73	18.89	18.86		
100	QPSK	1	1	19.01	19.06	18.99	19.8	0.0
100	QPSK	1	137	18.86	19.02	18.88		
100	QPSK	1	271	18.89	19.00	18.90		
100	QPSK	135	0	18.64	18.73	18.63	19.8	0.0
100	QPSK	135	69	18.84	19.01	18.83	19.8	0.0
100	QPSK	135	138	18.67	18.85	18.70	19.8	0.0
100	QPSK	270	0	18.64	18.75	18.62		

100	16QAM	1	1	18.74	18.79	18.64	19.8	0.0
100	64QAM	1	1	18.75	18.77	18.58	19.8	0.0
100	256QAM	1	1	18.69	18.85	18.66	19.8	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	18.78	18.96	18.83	19.8	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	18.75	18.93	18.94	19.8	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	18.79	18.98	18.84	19.8	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	18.78	18.90	18.92	19.8	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	18.76	18.98	18.88	19.8	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	18.81	18.91	18.88	19.8	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	18.78	18.91	18.94	19.8	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	18.76	18.90	18.90	19.8	0.0

Part27Q n77 PC2 Ant6 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		18.88		19.8	0.0
100	PI/2 BPSK	1	137		18.96			
100	PI/2 BPSK	1	271		18.78			
100	PI/2 BPSK	135	0		19.03		19.8	0.0
100	PI/2 BPSK	135	69		18.77		19.8	0.0
100	PI/2 BPSK	135	138		18.97		19.8	0.0
100	PI/2 BPSK	270	0		18.89			
100	QPSK	1	1		19.08		19.8	0.0
100	QPSK	1	137		19.02			
100	QPSK	1	271		18.98			
100	QPSK	135	0		18.67		19.8	0.0
100	QPSK	135	69		19.01		19.8	0.0
100	QPSK	135	138		18.84		19.8	0.0
100	QPSK	270	0		18.80			

100	16QAM	1	1		18.80		19.8	0.0
100	64QAM	1	1		18.75		19.8	0.0
100	256QAM	1	1		18.82		19.8	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	19.01	19.06	19.04	19.8	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	18.99	19.03	19.03	19.8	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	19.05	19.05	19.02	19.8	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	19.05	19.04	19.02	19.8	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	19.02	19.02	19.04	19.8	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	19.02	18.99	19.05	19.8	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	19.04	18.99	18.99	19.8	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	19.01	19.03	19.00	19.8	0.0

Part27O n78 PC2 Ant6 DSI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		18.79		19.8	0.0
100	PI/2 BPSK	1	137		18.76			
100	PI/2 BPSK	1	271		18.78			
100	PI/2 BPSK	135	0		18.89		19.8	0.0
100	PI/2 BPSK	135	69		18.78		19.8	0.0
100	PI/2 BPSK	135	138		18.82		18.3	1.5
100	PI/2 BPSK	270	0		18.81			
100	QPSK	1	1		18.92		19.8	0.0
100	QPSK	1	137		18.82			
100	QPSK	1	271		18.91			
100	QPSK	135	0		18.67		19.8	0.0
100	QPSK	135	69		18.87		19.8	0.0
100	QPSK	135	138		18.79		19.8	0.0
100	QPSK	270	0		18.69			

100	16QAM	1	1		18.67		17.8	2.0
100	64QAM	1	1		18.70		16.8	3.0
100	256QAM	1	1		18.76		19.8	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	18.85	18.84	18.88	19.8	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	18.83	18.90	18.84	19.8	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	18.87	18.82	18.89	19.8	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	18.86	18.88	18.84	19.8	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	18.83	18.87	18.87	19.8	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	18.82	18.88	18.85	19.8	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	18.89	18.87	18.84	19.8	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	18.90	18.89	18.86	19.8	0.0

Part27Q n78 PC2 Ant6 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		18.75		19.8	0.0
100	PI/2 BPSK	1	137		18.89			
100	PI/2 BPSK	1	271		18.64			
100	PI/2 BPSK	135	0		18.97		19.8	0.0
100	PI/2 BPSK	135	69		18.61		19.8	0.0
100	PI/2 BPSK	135	138		18.83		17.8	2.0
100	PI/2 BPSK	270	0		18.84			
100	QPSK	1	1		18.98		19.8	0.0
100	QPSK	1	137		18.94			
100	QPSK	1	271		18.85			
100	QPSK	135	0		18.62		19.8	0.0
100	QPSK	135	69		18.97		19.8	0.0
100	QPSK	135	138		18.69		19.8	0.0
100	QPSK	270	0		18.68			

100	16QAM	1	1		18.72		18.3	1.5
100	64QAM	1	1		18.66		16.8	3.0
100	256QAM	1	1		18.68		14.8	5.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	18.93	18.90	18.89	19.8	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	18.90	18.94	18.94	19.8	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	18.95	18.95	18.96	19.8	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	18.89	18.88	18.90	19.8	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	18.90	18.92	18.95	19.8	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	18.94	18.88	18.93	19.8	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	18.95	18.89	18.95	19.8	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	18.94	18.91	18.90	19.8	0.0

Part96 n77 PC3 Ant6 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332		
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	18.48	18.44	18.26	19.8	0.0
100	PI/2 BPSK	1	137	18.26	18.29	18.24		
100	PI/2 BPSK	1	271	18.30	18.32	18.20		
100	PI/2 BPSK	135	0	18.41	18.44	18.20	19.8	0.0
100	PI/2 BPSK	135	69	18.20	18.33	18.30	19.8	0.0
100	PI/2 BPSK	135	138	18.18	18.30	18.22	19.8	0.0
100	PI/2 BPSK	270	0	18.21	18.25	18.31		
100	QPSK	1	1	18.46	18.53	18.50	19.8	0.0
100	QPSK	1	137	18.31	18.49	18.42		
100	QPSK	1	271	18.36	18.50	18.40		
100	QPSK	135	0	18.13	18.22	18.11	19.8	0.0
100	QPSK	135	69	18.31	18.40	18.34	19.8	0.0
100	QPSK	135	138	18.12	18.23	18.10	19.8	0.0
100	QPSK	270	0	18.09	18.20	18.09		

100	16QAM	1	1	18.15	18.34	18.15	19.8	0.0
100	64QAM	1	1	18.18	18.23	18.12	19.8	0.0
100	256QAM	1	1	18.20	18.25	18.20	19.8	0.0
Channel				639668	641666	643666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	18.44	18.48	18.44	19.8	0.0
Channel				639334	641666	644000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	18.39	18.47	18.45	19.8	0.0
Channel				639000	641666	644332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	18.37	18.51	18.42	19.8	0.0
Channel				638668	641666	644666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	18.37	18.46	18.42	19.8	0.0
Channel				638334	641666	645000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	18.42	18.49	18.42	19.8	0.0
Channel				638000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3570	3624.99	3624.99		
40	QPSK	1	1	18.39	18.46	18.48	19.8	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	18.37	18.47	18.44	19.8	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	18.38	18.48	18.40	19.8	0.0

Part96 n78 PC3 Ant6 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332		
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	18.40	18.28	18.11	19.8	0.0
100	PI/2 BPSK	1	137	18.20	18.20	18.10		
100	PI/2 BPSK	1	271	18.24	18.16	18.13		
100	PI/2 BPSK	135	0	18.25	18.38	18.07	19.8	0.0
100	PI/2 BPSK	135	69	18.10	18.24	18.22	19.8	0.0
100	PI/2 BPSK	135	138	18.08	18.23	18.12	19.8	0.0
100	PI/2 BPSK	270	0	18.15	18.19	18.22		
100	QPSK	1	1	18.42	18.46	18.40	19.8	0.0
100	QPSK	1	137	18.27	18.45	18.33		
100	QPSK	1	271	18.26	18.41	18.35		
100	QPSK	135	0	17.97	18.09	18.03	19.8	0.0
100	QPSK	135	69	18.24	18.34	18.29	19.8	0.0
100	QPSK	135	138	17.98	18.11	18.05	19.8	0.0
100	QPSK	270	0	17.98	18.07	17.98		
100	16QAM	1	1	18.10	18.23	18.11	19.8	0.0
100	64QAM	1	1	18.05	18.11	18.01	19.8	0.0
100	256QAM	1	1	18.15	18.10	18.14	19.8	0.0
Channel				639668	641666	643666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	18.39	18.38	18.37	19.8	0.0
Channel				639334	641666	644000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	18.37	18.40	18.33	19.8	0.0
Channel				639000	641666	644332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	18.39	18.39	18.32	19.8	0.0
Channel				638668	641666	644666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	18.40	18.40	18.31	19.8	0.0
Channel				638334	641666	645000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	18.34	18.40	18.36	19.8	0.0
Channel				638000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3570	3624.99	3679.98		
40	QPSK	1	1	18.36	18.37	18.35	19.8	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	18.39	18.36	18.37	19.8	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	18.39	18.38	18.37	19.8	0.0

Reduced Power Mode for DSI 5

n5 Ant0 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	22.00	22.17	22.04	23.6	0.0
20	PI/2 BPSK	1	53	22.01	21.98	22.13		
20	PI/2 BPSK	1	104	22.06	22.15	22.01		
20	PI/2 BPSK	50	0	21.98	21.92	21.98	23.6	0.0
20	PI/2 BPSK	50	28	21.99	22.02	21.97	23.6	0.0
20	PI/2 BPSK	50	56	21.95	21.87	22.01	23.6	0.0
20	PI/2 BPSK	100	0	21.97	21.96	21.94		
20	QPSK	1	1	22.12	22.19	22.16	23.6	0.0
20	QPSK	1	53	22.10	22.06	22.17		
20	QPSK	1	104	22.18	22.15	22.14		
20	QPSK	50	0	22.00	22.05	22.04	23.6	0.0
20	QPSK	50	28	22.03	22.12	22.09	23.6	0.0
20	QPSK	50	56	22.00	21.96	22.10	23.6	0.0
20	QPSK	100	0	22.07	22.10	22.02		
20	16QAM	1	1	22.01	22.14	22.06	23.6	0.0
20	64QAM	1	1	20.77	20.88	20.83	22.5	1.1
20	256QAM	1	1	18.96	18.99	18.84	20.5	3.1
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.09	22.09	22.13	23.6	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.06	22.15	22.08	23.6	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	21.99	22.16	22.03	23.6	0.0

n12 Ant0 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141300	141500	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	PI/2 BPSK	1	1	23.19	23.20	23.22	24.4	0.0
15	PI/2 BPSK	1	40	23.15	23.15	23.11		
15	PI/2 BPSK	1	77	23.13	23.20	23.21		
15	PI/2 BPSK	36	0	23.18	23.28	23.10	24.4	0.0
15	PI/2 BPSK	36	22	23.21	23.22	23.27	24.4	0.0
15	PI/2 BPSK	36	43	23.12	23.18	23.03	24.4	0.0
15	PI/2 BPSK	75	0	23.10	23.21	23.09		
15	QPSK	1	1	23.27	23.29	23.22	24.4	0.0
15	QPSK	1	40	23.07	23.23	23.16		
15	QPSK	1	77	23.22	23.22	23.25		
15	QPSK	36	0	22.82	22.87	22.80	24.0	0.4
15	QPSK	36	22	23.06	23.15	23.11	24.4	0.0
15	QPSK	36	43	22.75	22.78	22.65	24.0	0.4
15	QPSK	75	0	22.68	22.75	22.69		
15	16QAM	1	1	22.75	22.91	22.82	24.0	0.4
15	64QAM	1	1	20.93	20.96	20.92	22.5	1.9
	256QAM	1	1	19.02	19.13	18.96	20.5	3.9
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	23.20	23.18	23.23	24.4	0.0
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	1	23.21	23.21	23.26	24.4	0.0

n13 Ant0 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					156400			
Frequency (MHz)					782			
10	PI/2 BPSK	1	1		23.22		24.4	0.0
10	PI/2 BPSK	1	26		23.14			
10	PI/2 BPSK	1	50		23.02			
10	PI/2 BPSK	25	0		23.18		24.4	0.0
10	PI/2 BPSK	25	14		23.19		24.4	0.0
10	PI/2 BPSK	25	27		23.14		24.4	0.0
10	PI/2 BPSK	50	0		23.15			
10	QPSK	1	1		23.26		24.4	0.0
10	QPSK	1	26		23.19			
10	QPSK	1	50		23.07			
10	QPSK	25	0		22.59		24.0	0.4
10	QPSK	25	14		23.08		24.4	0.0
10	QPSK	25	27		22.64		24.0	0.4
10	QPSK	50	0		22.62			
10	16QAM	1	1		22.79		24.0	0.4
10	64QAM	1	1		20.88		22.5	1.9
10	256QAM	1	1		18.97		20.5	3.9
Channel				155900	156400	156900	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	1	23.22	23.22	23.17	24.4	0.0

n14 Ant0 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					158600			
Frequency (MHz)					793			
10	PI/2 BPSK	1	1		23.11		24.4	0.0
10	PI/2 BPSK	1	26		23.05			
10	PI/2 BPSK	1	50		23.15			
10	PI/2 BPSK	25	0		22.75		24.4	0.0
10	PI/2 BPSK	25	14		23.15		24.4	0.0
10	PI/2 BPSK	25	27		22.69		24.4	0.0
10	PI/2 BPSK	50	0		22.70			
10	QPSK	1	1		23.16		24.4	0.0
10	QPSK	1	26		23.15			
10	QPSK	1	50		23.09			
10	QPSK	25	0		22.60		24.0	0.4
10	QPSK	25	14		23.02		24.4	0.0
10	QPSK	25	27		22.61		24.0	0.4
10	QPSK	50	0		22.53			
10	16QAM	1	1		22.68		24.0	0.4
10	64QAM	1	1		20.80		22.5	1.9
10	256QAM	1	1		18.97		20.5	3.9
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				790.5	793	795.5		
5	QPSK	1	1	23.14	23.01	23.11	24.4	0.0

n26 Ant0 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	PI/2 BPSK	1	1	21.94	22.18	21.95	23.6	0.0
20	PI/2 BPSK	1	53	21.96	22.02	21.88		
20	PI/2 BPSK	1	104	21.94	22.03	21.93		
20	PI/2 BPSK	50	0	21.94	22.12	21.96	23.6	0.0
20	PI/2 BPSK	50	28	21.95	22.15	22.01	23.6	0.0
20	PI/2 BPSK	50	56	21.92	21.99	21.92	23.6	0.0
20	PI/2 BPSK	100	0	21.96	22.06	21.81		
20	QPSK	1	1	22.07	22.23	22.05	23.6	0.0
20	QPSK	1	53	21.96	22.07	21.87		
20	QPSK	1	104	21.95	22.05	21.88		
20	QPSK	50	0	21.94	22.19	21.98	23.6	0.0
20	QPSK	50	28	21.98	22.21	21.92	23.6	0.0
20	QPSK	50	56	21.95	22.20	21.99	23.6	0.0
20	QPSK	100	0	22.01	22.18	21.97		
20	16QAM	1	1	21.93	22.11	21.97	23.6	0.0
20	64QAM	1	1	20.76	20.86	20.79	22.5	1.1
20	256QAM	1	1	18.86	19.00	18.97	20.5	3.1
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	22.03	22.13	21.92	23.6	0.0
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	1	22.02	22.18	22.03	23.6	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	1	21.98	22.12	21.92	23.6	0.0

n71 Ant0 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	22.47	22.59	22.51	24.0	0.0
20	PI/2 BPSK	1	53	22.52	22.57	22.45		
20	PI/2 BPSK	1	104	22.41	22.58	22.56		
20	PI/2 BPSK	50	0	22.07	22.13	22.01	23.5	0.5
20	PI/2 BPSK	50	28	22.38	22.51	22.46	24.0	0.0
20	PI/2 BPSK	50	56	21.95	22.03	21.99	23.5	0.5
20	PI/2 BPSK	100	0	21.93	22.06	22.02		
20	QPSK	1	1	22.60	22.65	22.61	24.0	0.0
20	QPSK	1	53	22.40	22.57	22.50		
20	QPSK	1	104	22.48	22.62	22.58		
20	QPSK	50	0	21.47	21.55	21.48	23.0	1.0
20	QPSK	50	28	22.36	22.48	22.34	24.0	0.0
20	QPSK	50	56	21.44	21.57	21.40	23.0	1.0
20	QPSK	100	0	21.36	21.47	21.37		
20	16QAM	1	1	21.62	21.65	21.58	23.0	1.0
20	64QAM	1	1	19.65	19.79	19.70	21.5	2.5
20	256QAM	1	1	17.62	17.76	17.66	19.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.57	22.55	22.45	24.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	22.53	22.57	22.58	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	22.48	22.53	22.59	24.0	0.0

n41 PC2 Ant0 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	19.65	19.58	19.54	20.5	0.0
100	PI/2 BPSK	1	137	19.45	19.54	19.38		
100	PI/2 BPSK	1	271	19.46	19.54	19.34		
100	PI/2 BPSK	135	0	19.64	19.61	19.43	20.5	0.0
100	PI/2 BPSK	135	69	19.41	19.48	19.41	20.5	0.0
100	PI/2 BPSK	135	138	19.41	19.49	19.37	20.5	0.0
100	PI/2 BPSK	270	0	19.39	19.51	19.40		
100	QPSK	1	1	19.63	19.71	19.62	20.5	0.0
100	QPSK	1	137	19.53	19.61	19.59		
100	QPSK	1	271	19.46	19.61	19.56		
100	QPSK	135	0	19.24	19.35	19.27	20.5	0.0
100	QPSK	135	69	19.51	19.62	19.48	20.5	0.0
100	QPSK	135	138	19.31	19.42	19.31	20.5	0.0
100	QPSK	270	0	19.26	19.40	19.29		
100	16QAM	1	1	19.36	19.45	19.41	20.5	0.0
100	64QAM	1	1	19.36	19.40	19.30	20.5	0.0
100	256QAM	1	1	19.66	19.59	19.58	20.5	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	19.58	19.63	19.59	20.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	19.60	19.67	19.55	20.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	19.54	19.61	19.59	20.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	19.58	19.64	19.60	20.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	19.59	19.65	19.60	20.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	19.60	19.63	19.59	20.5	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	19.54	19.65	19.58	20.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	19.54	19.61	19.57	20.5	0.0

n5 Ant1 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	21.72	21.86	21.70	23.6	0.0
20	PI/2 BPSK	1	53	21.84	21.84	21.87		
20	PI/2 BPSK	1	104	21.80	21.80	21.81		
20	PI/2 BPSK	50	0	21.54	21.61	21.51	23.5	0.1
20	PI/2 BPSK	50	28	21.62	21.74	21.64	23.6	0.0
20	PI/2 BPSK	50	56	21.51	21.60	21.59	23.5	0.1
20	PI/2 BPSK	100	0	21.52	21.62	21.54		
20	QPSK	1	1	21.82	22.12	21.81	23.6	0.0
20	QPSK	1	53	21.80	21.78	21.62		
20	QPSK	1	104	21.77	21.90	21.75		
20	QPSK	50	0	21.41	21.43	21.33	23.0	0.6
20	QPSK	50	28	21.77	22.05	21.88	23.6	0.0
20	QPSK	50	56	21.26	21.36	21.24	23.0	0.6
20	QPSK	100	0	21.34	21.39	21.30		
20	16QAM	1	1	21.37	21.54	21.41	23.0	0.6
20	64QAM	1	1	19.53	19.60	19.53	21.5	2.1
20	256QAM	1	1	17.64	17.74	17.76	19.5	4.1
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	21.72	21.99	21.72	23.6	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	21.72	22.03	21.70	23.6	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	21.75	22.03	21.76	23.6	0.0

n12 Ant1 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141300	141500	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	PI/2 BPSK	1	1	22.31	22.41	22.27	24.0	0.0
15	PI/2 BPSK	1	40	22.28	22.39	22.25		
15	PI/2 BPSK	1	77	22.23	22.37	22.30		
15	PI/2 BPSK	36	0	21.88	21.90	21.83	23.5	0.5
15	PI/2 BPSK	36	22	22.21	22.24	22.26	24.0	0.0
15	PI/2 BPSK	36	43	21.77	21.86	21.75	23.5	0.5
15	PI/2 BPSK	75	0	21.76	21.89	21.78		
15	QPSK	1	1	22.38	22.49	22.39	24.0	0.0
15	QPSK	1	40	22.15	22.39	22.23		
15	QPSK	1	77	22.26	22.45	22.42		
15	QPSK	36	0	21.24	21.36	21.26	23.0	1.0
15	QPSK	36	22	22.19	22.32	22.09	24.0	0.0
15	QPSK	36	43	21.18	21.41	21.14	23.0	1.0
15	QPSK	75	0	21.21	21.32	21.17		
15	16QAM	1	1	21.37	21.45	21.42	23.0	1.0
15	64QAM	1	1	19.51	19.69	19.59	21.5	2.5
	256QAM	1	1	17.57	17.68	17.58	19.5	4.5
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	22.28	22.41	22.29	24.0	0.0
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	1	22.33	22.41	22.34	24.0	0.0

n13 Ant1 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					156400			
Frequency (MHz)					782			
10	PI/2 BPSK	1	1		22.20		24.0	0.0
10	PI/2 BPSK	1	26		22.36			
10	PI/2 BPSK	1	50		22.37			
10	PI/2 BPSK	25	0		21.52		23.5	0.5
10	PI/2 BPSK	25	14		22.17		24.0	0.0
10	PI/2 BPSK	25	27		21.54		23.5	0.5
10	PI/2 BPSK	50	0		21.60			
10	QPSK	1	1		22.42		24.0	0.0
10	QPSK	1	26		22.25			
10	QPSK	1	50		22.25			
10	QPSK	25	0		21.34		23.0	1.0
10	QPSK	25	14		22.17		24.0	0.0
10	QPSK	25	27		21.32		23.0	1.0
10	QPSK	50	0		21.46			
10	16QAM	1	1		21.57		23.0	1.0
10	64QAM	1	1		19.67		21.5	2.5
10	256QAM	1	1		17.75		19.5	4.5
Channel				155900	156400	156900	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	1	22.33	22.28	22.28	24.0	0.0

n14 Ant1 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					158600			
Frequency (MHz)					793			
10	PI/2 BPSK	1	1		22.27		24.0	0.0
10	PI/2 BPSK	1	26		22.37			
10	PI/2 BPSK	1	50		22.48			
10	PI/2 BPSK	25	0		21.54		23.5	0.5
10	PI/2 BPSK	25	14		22.33		24.0	0.0
10	PI/2 BPSK	25	27		21.67		23.5	0.5
10	PI/2 BPSK	50	0		21.60			
10	QPSK	1	1		22.54		24.0	0.0
10	QPSK	1	26		22.22			
10	QPSK	1	50		22.35			
10	QPSK	25	0		21.48		23.0	1.0
10	QPSK	25	14		22.27		24.0	0.0
10	QPSK	25	27		21.40		23.0	1.0
10	QPSK	50	0		21.42			
10	16QAM	1	1		21.55		23.0	1.0
10	64QAM	1	1		19.69		21.5	2.5
10	256QAM	1	1		17.76		19.5	4.5
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				790.5	793	795.5		
5	QPSK	1	1	22.49	22.48	22.47	24.0	0.0

n26 Ant1 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	PI/2 BPSK	1	1	21.69	21.78	21.65	23.6	0.0
20	PI/2 BPSK	1	53	21.67	21.84	21.77		
20	PI/2 BPSK	1	104	21.64	21.77	21.70		
20	PI/2 BPSK	50	0	21.53	21.54	21.54	23.5	0.1
20	PI/2 BPSK	50	28	21.66	21.68	21.62	23.6	0.0
20	PI/2 BPSK	50	56	21.55	21.69	21.56	23.5	0.1
20	PI/2 BPSK	100	0	21.56	21.66	21.56		
20	QPSK	1	1	21.85	22.01	21.76	23.6	0.0
20	QPSK	1	53	21.65	21.75	21.71		
20	QPSK	1	104	21.63	21.69	21.63		
20	QPSK	50	0	21.34	21.33	21.22	23.0	0.6
20	QPSK	50	28	21.63	21.65	21.64	23.6	0.0
20	QPSK	50	56	21.27	21.29	21.11	23.0	0.6
20	QPSK	100	0	21.25	21.42	21.21		
20	16QAM	1	1	21.34	21.46	21.33	23.0	0.6
20	64QAM	1	1	19.56	19.57	19.52	21.5	2.1
20	256QAM	1	1	17.62	17.74	17.73	19.5	4.1
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	21.62	21.70	21.62	23.6	0.0
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	1	21.62	21.66	21.65	23.6	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	1	21.66	21.73	21.62	23.6	0.0

n71 Ant1 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	22.20	22.23	22.19	24.0	0.0
20	PI/2 BPSK	1	53	22.31	22.37	22.34		
20	PI/2 BPSK	1	104	22.31	22.39	22.30		
20	PI/2 BPSK	50	0	21.57	21.52	21.58	23.5	0.5
20	PI/2 BPSK	50	28	22.07	22.22	22.13	24.0	0.0
20	PI/2 BPSK	50	56	21.57	21.59	21.51	23.5	0.5
20	PI/2 BPSK	100	0	21.57	21.60	21.59		
20	QPSK	1	1	22.39	22.53	22.30	24.0	0.0
20	QPSK	1	53	22.21	22.29	22.18		
20	QPSK	1	104	22.23	22.25	22.18		
20	QPSK	50	0	21.41	21.41	21.24	23.0	1.0
20	QPSK	50	28	22.11	22.23	22.06	24.0	0.0
20	QPSK	50	56	21.32	21.35	21.23	23.0	1.0
20	QPSK	100	0	21.29	21.48	21.29		
20	16QAM	1	1	21.38	21.60	21.47	23.0	1.0
20	64QAM	1	1	19.59	19.66	19.57	21.5	2.5
20	256QAM	1	1	17.64	17.80	17.69	19.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.28	22.46	22.17	24.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	22.30	22.45	22.17	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	22.29	22.44	22.23	24.0	0.0

n2 Ant2 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	20.01	20.03	19.89	21.2	0.0
20	PI/2 BPSK	1	53	19.91	19.98	19.72		
20	PI/2 BPSK	1	104	19.86	19.89	19.63		
20	PI/2 BPSK	50	0	20.01	20.07	19.81	21.2	0.0
20	PI/2 BPSK	50	28	19.79	19.85	19.85	21.2	0.0
20	PI/2 BPSK	50	56	19.78	19.94	19.72	21.2	0.0
20	PI/2 BPSK	100	0	19.81	19.88	19.85		
20	QPSK	1	1	20.08	20.20	20.13	21.2	0.0
20	QPSK	1	53	19.91	20.14	19.95		
20	QPSK	1	104	19.98	20.05	19.87		
20	QPSK	50	0	19.64	19.69	19.78	21.2	0.0
20	QPSK	50	28	19.87	19.96	19.89	21.2	0.0
20	QPSK	50	56	19.70	19.81	19.64	21.2	0.0
20	QPSK	100	0	19.63	19.89	19.71		
20	16QAM	1	1	19.77	19.88	19.79	21.2	0.0
20	64QAM	1	1	19.98	20.10	20.05	21.2	0.0
20	256QAM	1	1	18.87	18.85	18.64	20.5	0.7
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	20.04	20.15	20.10	21.2	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	20.03	20.17	20.05	21.2	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	20.03	20.13	20.09	21.2	0.0

n25 Ant2 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	20.06	20.18	20.04	21.2	0.0
40	PI/2 BPSK	1	108	19.99	20.06	19.87		
40	PI/2 BPSK	1	214	19.95	19.98	19.78		
40	PI/2 BPSK	108	0	20.11	20.11	19.90	21.2	0.0
40	PI/2 BPSK	108	54	19.93	19.97	19.95	21.2	0.0
40	PI/2 BPSK	108	108	19.84	19.98	19.85	21.2	0.0
40	PI/2 BPSK	216	0	19.90	20.01	19.93		
40	QPSK	1	1	20.17	20.21	20.15	21.2	0.0
40	QPSK	1	108	19.99	20.19	20.04		
40	QPSK	1	214	20.03	20.12	19.98		
40	QPSK	108	0	19.77	19.83	19.86	21.2	0.0
40	QPSK	108	54	19.98	20.11	19.96	21.2	0.0
40	QPSK	108	108	19.84	19.96	19.77	21.2	0.0
40	QPSK	216	0	19.71	19.86	19.82		
40	16QAM	1	1	19.85	19.94	19.84	21.2	0.0
40	64QAM	1	1	20.02	20.11	20.04	21.2	0.0
40	256QAM	1	1	18.91	18.95	18.77	20.5	0.7
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	20.03	20.12	20.05	21.2	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	20.06	20.14	20.04	21.2	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	20.04	20.13	20.10	21.2	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	19.99	20.11	20.06	21.2	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	19.99	20.17	20.07	21.2	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	20.01	20.16	20.06	21.2	0.0

n66 Ant2 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	21.63	21.63	21.54	22.6	0.0
40	PI/2 BPSK	1	108	21.45	21.50	21.40		
40	PI/2 BPSK	1	214	21.45	21.55	21.34		
40	PI/2 BPSK	108	0	21.67	21.64	21.40	22.6	0.0
40	PI/2 BPSK	108	54	21.37	21.53	21.48	22.6	0.0
40	PI/2 BPSK	108	108	21.35	21.59	21.40	22.6	0.0
40	PI/2 BPSK	216	0	21.48	21.50	21.44		
40	QPSK	1	1	21.73	21.74	21.69	22.6	0.0
40	QPSK	1	108	21.50	21.62	21.53		
40	QPSK	1	214	21.55	21.72	21.61		
40	QPSK	108	0	21.27	21.32	21.35	22.6	0.0
40	QPSK	108	54	21.56	21.68	21.55	22.6	0.0
40	QPSK	108	108	21.30	21.48	21.31	22.6	0.0
40	QPSK	216	0	21.28	21.44	21.31		
40	16QAM	1	1	21.38	21.46	21.37	22.6	0.0
40	64QAM	1	1	20.94	21.07	20.90	22.5	0.1
40	256QAM	1	1	18.87	18.92	18.86	20.5	2.1
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	21.66	21.65	21.66	22.6	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	21.69	21.70	21.59	22.6	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	21.69	21.67	21.59	22.6	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	21.69	21.72	21.63	#REF!	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	21.71	21.70	21.64	22.6	0.0

Part27O n77 PC2 Ant2 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	20.76	20.86	20.68	21.6	0.0
100	PI/2 BPSK	1	137	20.70	20.70	20.61		
100	PI/2 BPSK	1	271	20.65	20.77	20.60		
100	PI/2 BPSK	135	0	20.79	20.84	20.64	21.6	0.0
100	PI/2 BPSK	135	69	20.65	20.71	20.63	21.6	0.0
100	PI/2 BPSK	135	138	20.58	20.73	20.63	21.6	0.0
100	PI/2 BPSK	270	0	20.69	20.72	20.65		
100	QPSK	1	1	20.86	20.92	20.90	21.6	0.0
100	QPSK	1	137	20.77	20.83	20.73		
100	QPSK	1	271	20.72	20.82	20.78		
100	QPSK	135	0	20.49	20.63	20.59	19.6	2.0
100	QPSK	135	69	20.75	20.86	20.74	21.6	0.0
100	QPSK	135	138	20.50	20.63	20.58	21.6	0.0
100	QPSK	270	0	20.46	20.64	20.46		
100	16QAM	1	1	20.59	20.71	20.60	21.6	0.0
100	64QAM	1	1	20.60	20.57	20.50	21.6	0.0
100	256QAM	1	1	20.41	20.51	20.41	21.6	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	20.79	20.85	20.83	21.6	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	20.83	20.82	20.88	21.6	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	20.81	20.86	20.81	21.6	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	20.78	20.88	20.82	21.6	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	20.83	20.90	20.85	21.6	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	20.79	20.87	20.84	21.6	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	20.80	20.86	20.80	21.6	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	20.78	20.89	20.84	21.6	0.0

Part27Q n77 PC2 Ant2 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		20.13		21.6	0.0
100	PI/2 BPSK	1	137		19.97			
100	PI/2 BPSK	1	271		20.04			
100	PI/2 BPSK	135	0		20.09		21.6	0.0
100	PI/2 BPSK	135	69		19.94		21.6	0.0
100	PI/2 BPSK	135	138		19.95		21.6	0.0
100	PI/2 BPSK	270	0		19.93			
100	QPSK	1	1		20.17		21.6	0.0
100	QPSK	1	137		20.06			
100	QPSK	1	271		20.09			
100	QPSK	135	0		19.84		21.6	0.0
100	QPSK	135	69		20.12		21.6	0.0
100	QPSK	135	138		19.91		21.6	0.0
100	QPSK	270	0		19.92			
100	16QAM	1	1		19.90		21.6	0.0
100	64QAM	1	1		19.77		21.6	0.0
100	256QAM	1	1		19.69		21.6	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	20.08	20.12	20.10	21.6	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	20.09	20.07	20.13	21.6	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	20.14	20.11	20.13	21.6	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	20.10	20.11	20.11	21.6	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	20.12	20.09	20.09	21.6	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.12	20.14	20.10	21.6	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	20.14	20.13	20.13	21.6	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	20.12	20.15	20.10	21.6	0.0

Part27O n78 PC2 Ant2 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		20.74		21.6	0.0
100	PI/2 BPSK	1	137		20.57			
100	PI/2 BPSK	1	271		20.63			
100	PI/2 BPSK	135	0		20.73		21.6	0.0
100	PI/2 BPSK	135	69		20.66		21.6	0.0
100	PI/2 BPSK	135	138		20.64		21.6	0.0
100	PI/2 BPSK	270	0		20.67			
100	QPSK	1	1		20.82		21.6	0.0
100	QPSK	1	137		20.68			
100	QPSK	1	271		20.75			
100	QPSK	135	0		20.49		21.6	0.0
100	QPSK	135	69		20.73		21.6	0.0
100	QPSK	135	138		20.51		21.6	0.0
100	QPSK	270	0		20.57			
100	16QAM	1	1		20.61		21.6	0.0
100	64QAM	1	1		20.49		21.6	0.0
100	256QAM	1	1		20.38		21.6	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	20.77	20.72	20.76	21.6	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	20.73	20.78	20.77	21.6	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	20.79	20.75	20.75	21.6	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	20.77	20.75	20.80	21.6	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	20.72	20.77	20.78	21.6	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	20.75	20.79	20.76	21.6	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	20.80	20.73	20.72	21.6	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	20.73	20.74	20.77	21.6	0.0

Part27Q n78 PC2 Ant2 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		19.74		21.6	0.0
100	PI/2 BPSK	1	137		19.85			
100	PI/2 BPSK	1	271		19.89			
100	PI/2 BPSK	135	0		19.69		21.6	0.0
100	PI/2 BPSK	135	69		19.69		21.6	0.0
100	PI/2 BPSK	135	138		19.62		21.6	0.0
100	PI/2 BPSK	270	0		19.85			
100	QPSK	1	1		19.90		21.6	0.0
100	QPSK	1	137		19.74			
100	QPSK	1	271		19.89			
100	QPSK	135	0		19.68		21.6	0.0
100	QPSK	135	69		19.76		21.6	0.0
100	QPSK	135	138		19.65		21.6	0.0
100	QPSK	270	0		19.64			
100	16QAM	1	1		19.85		21.6	0.0
100	64QAM	1	1		19.78		21.6	0.0
100	256QAM	1	1		19.65		21.6	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	19.81	19.84	19.84	21.6	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	19.86	19.81	19.87	21.6	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	19.86	19.87	19.80	21.6	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	19.87	19.82	19.87	21.6	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	19.83	19.81	19.87	21.6	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	19.81	19.86	19.85	21.6	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	19.84	19.85	19.84	21.6	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	19.80	19.82	19.84	21.6	0.0

Part96 n77 PC3 Ant2 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332		
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	20.39	20.52	20.55	21.6	0.0
100	PI/2 BPSK	1	137	20.36	20.53	20.40		
100	PI/2 BPSK	1	271	20.60	20.61	20.42		
100	PI/2 BPSK	135	0	20.03	20.11	20.04	21.6	0.0
100	PI/2 BPSK	135	69	20.43	20.48	20.34	21.6	0.0
100	PI/2 BPSK	135	138	20.51	20.52	20.29	21.6	0.0
100	PI/2 BPSK	270	0	20.61	20.64	20.61		
100	QPSK	1	1	20.73	20.82	20.74	21.6	0.0
100	QPSK	1	137	20.56	20.65	20.56		
100	QPSK	1	271	20.59	20.78	20.69		
100	QPSK	135	0	20.48	20.67	20.48	21.6	0.0
100	QPSK	135	69	20.47	20.69	20.54	21.6	0.0
100	QPSK	135	138	20.41	20.60	20.45	21.6	0.0
100	QPSK	270	0	20.50	20.59	20.49		
100	16QAM	1	1	20.47	20.62	20.57	21.6	0.0
100	64QAM	1	1	20.75	20.74	20.52	21.6	0.0
100	256QAM	1	1	20.02	20.10	20.10	19.6	2.0
Channel				639668	641666	643666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	20.69	20.75	20.66	21.6	0.0
Channel				639334	641666	644000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	20.68	20.76	20.64	21.6	0.0
Channel				639000	641666	644332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	20.66	20.77	20.66	21.6	0.0
Channel				638668	641666	644666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	20.69	20.76	20.69	21.6	0.0
Channel				638334	641666	645000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	20.68	20.75	20.67	21.6	0.0
Channel				638000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3570	3624.99	3624.99		
40	QPSK	1	1	20.68	20.76	20.67	21.6	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	20.71	20.78	20.67	21.6	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	20.70	20.78	20.71	21.6	0.0

Part96 n78 PC3 Ant2 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332		
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	20.24	20.30	20.37	21.6	0.0
100	PI/2 BPSK	1	137	20.20	20.29	20.19		
100	PI/2 BPSK	1	271	20.44	20.41	20.19		
100	PI/2 BPSK	135	0	19.85	19.91	19.88	21.6	0.0
100	PI/2 BPSK	135	69	20.20	20.27	20.17	21.6	0.0
100	PI/2 BPSK	135	138	20.27	20.31	20.14	21.6	0.0
100	PI/2 BPSK	270	0	20.47	20.45	20.35		
100	QPSK	1	1	20.55	20.59	20.54	21.6	0.0
100	QPSK	1	137	20.36	20.52	20.40		
100	QPSK	1	271	20.37	20.58	20.52		
100	QPSK	135	0	20.31	20.41	20.30	21.6	0.0
100	QPSK	135	69	20.28	20.55	20.39	21.6	0.0
100	QPSK	135	138	20.23	20.35	20.22	21.6	0.0
100	QPSK	270	0	20.32	20.33	20.24		
100	16QAM	1	1	20.29	20.37	20.39	21.6	0.0
100	64QAM	1	1	20.55	20.56	20.28	21.6	0.0
100	256QAM	1	1	19.81	19.90	19.95	19.6	2.0
Channel				639668	641666	643666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	20.46	20.53	20.51	21.6	0.0
Channel				639334	641666	644000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	20.45	20.52	20.49	21.6	0.0
Channel				639000	641666	644332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	20.50	20.53	20.47	21.6	0.0
Channel				638668	641666	644666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	20.48	20.51	20.51	21.6	0.0
Channel				638334	641666	645000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	20.50	20.50	20.51	21.6	0.0
Channel				638000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3570	3624.99	3679.98		
40	QPSK	1	1	20.47	20.55	20.45	21.6	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	20.48	20.55	20.46	21.6	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	20.47	20.53	20.50	21.6	0.0

n7 Ant3 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	18.56	18.71	18.56	19.8	0.0
40	PI/2 BPSK	1	108	18.48	18.51	18.35		
40	PI/2 BPSK	1	214	18.43	18.53	18.36		
40	PI/2 BPSK	108	0	18.59	18.62	18.41	19.8	0.0
40	PI/2 BPSK	108	54	18.39	18.45	18.49	19.8	0.0
40	PI/2 BPSK	108	108	18.34	18.60	18.36	19.8	0.0
40	PI/2 BPSK	216	0	18.48	18.53	18.40		
40	QPSK	1	1	18.61	18.80	18.67	19.8	0.0
40	QPSK	1	108	18.50	18.54	18.62		
40	QPSK	1	214	18.50	18.73	18.45		
40	QPSK	108	0	18.25	18.37	18.35	19.8	0.0
40	QPSK	108	54	18.54	18.67	18.49	19.8	0.0
40	QPSK	108	108	18.34	18.42	18.31	19.8	0.0
40	QPSK	216	0	18.36	18.39	18.29		
40	16QAM	1	1	18.34	18.53	18.31	19.8	0.0
40	64QAM	1	1	18.57	18.72	18.61	19.8	0.0
40	256QAM	1	1	17.99	18.10	17.97	19.5	0.3
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	18.59	18.73	18.61	19.8	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	18.58	18.76	18.62	19.8	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	18.54	18.74	18.62	19.8	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	18.51	18.75	18.63	19.8	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	18.57	18.77	18.61	19.8	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	18.56	18.77	18.58	19.8	0.0

n30 Ant3 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					462000			
Frequency (MHz)					2310			
10	PI/2 BPSK	1	1		17.42		18.7	0.0
10	PI/2 BPSK	1	26		17.42			
10	PI/2 BPSK	1	50		17.35			
10	PI/2 BPSK	25	0		17.47		18.7	0.0
10	PI/2 BPSK	25	14		17.47		18.7	0.0
10	PI/2 BPSK	25	27		17.43		18.7	0.0
10	PI/2 BPSK	50	0		17.36			
10	QPSK	1	1		17.54		18.7	0.0
10	QPSK	1	26		17.47			
10	QPSK	1	50		17.45			
10	QPSK	25	0		17.45		18.7	0.0
10	QPSK	25	14		17.51		17.7	1.0
10	QPSK	25	27		17.46		18.7	0.0
10	QPSK	50	0		17.44			
10	16QAM	1	1		17.42		18.7	0.0
10	64QAM	1	1		17.43		18.7	0.0
10	256QAM	1	1		17.41		18.7	0.0
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	17.33	17.39	17.35	18.7	0.0

n38 Ant3 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	17.65	17.52	17.41	18.8	0.0
40	PI/2 BPSK	1	53	17.42	17.38	17.38		
40	PI/2 BPSK	1	104	17.42	17.37	17.24		
40	PI/2 BPSK	50	0	17.48	17.58	17.44	18.8	0.0
40	PI/2 BPSK	50	28	17.29	17.52	17.36	18.8	0.0
40	PI/2 BPSK	50	56	17.22	17.45	17.22	18.8	0.0
40	PI/2 BPSK	100	0	17.37	17.44	17.44		
40	QPSK	1	1	17.56	17.67	17.55	18.8	0.0
40	QPSK	1	53	17.41	17.53	17.47		
40	QPSK	1	104	17.49	17.57	17.43		
40	QPSK	50	0	17.14	17.39	17.26	18.8	0.0
40	QPSK	50	28	17.38	17.49	17.48	18.8	0.0
40	QPSK	50	56	17.25	17.46	17.28	18.8	0.0
40	QPSK	100	0	17.13	17.28	17.22		
40	16QAM	1	1	17.29	17.43	17.38	18.8	0.0
40	64QAM	1	1	17.27	17.32	17.21	18.8	0.0
40	256QAM	1	1	17.65	17.54	17.62	18.8	0.0
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	17.53	17.61	17.51	18.8	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	17.46	17.59	17.48	18.8	0.0

n41 PC2&PC3 Ant3 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	17.69	17.62	17.55	18.8	0.0
100	PI/2 BPSK	1	137	17.53	17.51	17.49		
100	PI/2 BPSK	1	271	17.50	17.51	17.32		
100	PI/2 BPSK	135	0	17.63	17.68	17.52	18.8	0.0
100	PI/2 BPSK	135	69	17.43	17.57	17.46	18.8	0.0
100	PI/2 BPSK	135	138	17.36	17.53	17.37	18.8	0.0
100	PI/2 BPSK	270	0	17.50	17.55	17.52		
100	QPSK	1	1	17.67	17.78	17.66	18.8	0.0
100	QPSK	1	137	17.49	17.62	17.61		
100	QPSK	1	271	17.53	17.63	17.51		
100	QPSK	135	0	17.26	17.44	17.31	18.8	0.0
100	QPSK	135	69	17.53	17.61	17.55	18.8	0.0
100	QPSK	135	138	17.36	17.54	17.38	18.8	0.0
100	QPSK	270	0	17.25	17.37	17.28		
100	16QAM	1	1	17.36	17.53	17.44	18.8	0.0
100	64QAM	1	1	17.35	17.44	17.25	18.8	0.0
100	256QAM	1	1	17.55	17.74	17.58	18.8	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	17.48	17.58	17.52	18.8	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	17.48	17.64	17.48	18.8	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	17.46	17.63	17.53	18.8	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	17.48	17.61	17.51	18.8	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	17.52	17.63	17.52	18.8	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	17.48	17.65	17.49	18.8	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	17.49	17.59	17.49	18.8	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	17.47	17.60	17.53	18.8	0.0

Part27O n77 Ant3 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	22.66	22.82	22.74	24.0	0.0
100	PI/2 BPSK	1	137	22.69	22.79	22.71		
100	PI/2 BPSK	1	271	22.61	22.75	22.60		
100	PI/2 BPSK	135	0	22.68	22.65	22.53	23.5	0.5
100	PI/2 BPSK	135	69	22.67	22.76	22.64	24.0	0.0
100	PI/2 BPSK	135	138	22.59	22.72	22.64	23.5	0.5
100	PI/2 BPSK	270	0	22.69	22.71	22.60		
100	QPSK	1	1	22.84	23.02	22.76	24.0	0.0
100	QPSK	1	137	22.62	22.67	22.47		
100	QPSK	1	271	22.55	22.78	22.68		
100	QPSK	135	0	22.59	22.73	22.63	23.0	1.0
100	QPSK	135	69	22.67	22.79	22.68	24.0	0.0
100	QPSK	135	138	22.60	22.77	22.76	23.0	1.0
100	QPSK	270	0	22.81	22.89	22.72		
100	16QAM	1	1	22.69	22.87	22.65	23.0	1.0
100	64QAM	1	1	22.35	22.53	22.54	23.0	1.0
100	256QAM	1	1	21.07	21.02	20.92	22.0	2.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.74	22.94	22.62	24.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	22.69	22.90	22.67	24.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	22.78	22.88	22.68	24.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	22.70	22.96	22.69	24.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	22.77	22.95	22.62	24.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	22.77	22.87	22.71	24.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	22.77	22.89	22.70	24.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		

20	QPSK	1	1	22.69	22.89	22.67	24.0	0.0

Part27O n77 PC2 Ant3 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	16.74	16.72	16.54	17.4	0.0
100	PI/2 BPSK	1	137	16.51	16.59	16.50		
100	PI/2 BPSK	1	271	16.48	16.63	16.38		
100	PI/2 BPSK	135	0	16.67	16.72	16.60	17.4	0.0
100	PI/2 BPSK	135	69	16.52	16.64	16.51	17.4	0.0
100	PI/2 BPSK	135	138	16.49	16.65	16.52	17.4	0.0
100	PI/2 BPSK	270	0	16.55	16.54	16.52		
100	QPSK	1	1	16.78	16.81	16.73	17.4	0.0
100	QPSK	1	137	16.62	16.74	16.72		
100	QPSK	1	271	16.57	16.79	16.68		
100	QPSK	135	0	16.40	16.50	16.46	17.4	0.0
100	QPSK	135	69	16.58	16.73	16.62	17.4	0.0
100	QPSK	135	138	16.40	16.52	16.44	17.4	0.0
100	QPSK	270	0	16.35	16.49	16.42		
100	16QAM	1	1	16.40	16.53	16.39	17.4	0.0
100	64QAM	1	1	16.46	16.58	16.44	17.4	0.0
100	256QAM	1	1	16.43	16.57	16.45	17.4	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	16.72	16.77	16.68	17.4	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	16.75	16.77	16.68	17.4	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	16.74	16.78	16.64	17.4	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	16.72	16.78	16.70	17.4	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	16.74	16.76	16.67	17.4	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	16.68	16.76	16.66	17.4	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	16.72	16.75	16.68	17.4	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		

20	QPSK	1	1	16.72	16.78	16.67	17.4	0.0

Part27Q n77 PC2 Ant3 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		16.46		17.4	0.0
100	PI/2 BPSK	1	137		16.28			
100	PI/2 BPSK	1	271		16.28			
100	PI/2 BPSK	135	0		16.50		17.4	0.0
100	PI/2 BPSK	135	69		16.37		17.4	0.0
100	PI/2 BPSK	135	138		16.31		17.4	0.0
100	PI/2 BPSK	270	0		16.24			
100	QPSK	1	1		16.51		17.4	0.0
100	QPSK	1	137		16.40			
100	QPSK	1	271		16.43			
100	QPSK	135	0		16.17		17.4	0.0
100	QPSK	135	69		16.41		17.4	0.0
100	QPSK	135	138		16.22		17.4	0.0
100	QPSK	270	0		16.17			
100	16QAM	1	1		16.31		17.4	0.0
100	64QAM	1	1		16.22		17.4	0.0
100	256QAM	1	1		16.21		17.4	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	16.44	16.42	16.42	17.4	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	16.46	16.41	16.41	17.4	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	16.47	16.42	16.44	17.4	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	16.46	16.43	16.44	17.4	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	16.43	16.45	16.42	17.4	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	16.45	16.46	16.42	17.4	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	16.46	16.43	16.42	17.4	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		

20	QPSK	1	1	16.45	16.44	16.41	17.4	0.0

Part27O n78 PC2 Ant3 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		16.58		17.4	0.0
100	PI/2 BPSK	1	137		16.51			
100	PI/2 BPSK	1	271		16.56			
100	PI/2 BPSK	135	0		16.66		17.4	0.0
100	PI/2 BPSK	135	69		16.50		17.4	0.0
100	PI/2 BPSK	135	138		16.52		17.4	0.0
100	PI/2 BPSK	270	0		16.48			
100	QPSK	1	1		16.70		17.4	0.0
100	QPSK	1	137		16.63			
100	QPSK	1	271		16.69			
100	QPSK	135	0		16.39		17.4	0.0
100	QPSK	135	69		16.69		17.4	0.0
100	QPSK	135	138		16.39		17.4	0.0
100	QPSK	270	0		16.36			
100	16QAM	1	1		16.44		17.4	0.0
100	64QAM	1	1		16.49		17.4	0.0
100	256QAM	1	1		16.45		17.4	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	16.63	16.63	16.65	17.4	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	16.61	16.63	16.68	17.4	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	16.64	16.60	16.67	17.4	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	16.60	16.68	16.62	17.4	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	16.61	16.63	16.62	17.4	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	16.61	16.67	16.62	17.4	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	16.64	16.67	16.68	17.4	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		

20	QPSK	1	1	16.64	16.65	16.66	17.4	0.0

Part27Q n78 PC2 Ant3 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		16.32		17.4	0.0
100	PI/2 BPSK	1	137		16.21			
100	PI/2 BPSK	1	271		16.18			
100	PI/2 BPSK	135	0		16.42		17.4	0.0
100	PI/2 BPSK	135	69		16.21		17.4	0.0
100	PI/2 BPSK	135	138		16.26		17.4	0.0
100	PI/2 BPSK	270	0		16.14			
100	QPSK	0.0	1		16.45		17.4	0.0
100	QPSK	1	137		16.34			
100	QPSK	1	271		16.28			
100	QPSK	135	0		16.05		17.4	0.0
100	QPSK	135	69		16.37		17.4	0.0
100	QPSK	135	138		16.10		17.4	0.0
100	QPSK	270	0		16.06			
100	16QAM	1	1		16.20		17.4	0.0
100	64QAM	1	1		16.10		17.4	0.0
100	256QAM	1	1		16.11		17.4	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	16.43	16.41	16.40	17.4	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	16.39	16.35	16.42	17.4	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	16.40	16.42	16.38	17.4	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	16.42	16.39	16.42	17.4	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	16.38	16.40	16.36	17.4	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	16.37	16.40	16.40	17.4	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	16.42	16.36	16.35	17.4	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		

20	QPSK	1	1	16.43	16.41	16.42	17.4	0.0

Part96 n77 PC3 Ant3 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332		
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	16.53	16.60	16.48	17.4	0.0
100	PI/2 BPSK	1	137	16.35	16.46	16.37		
100	PI/2 BPSK	1	271	16.37	16.43	16.24		
100	PI/2 BPSK	135	0	16.52	16.61	16.40	17.4	0.0
100	PI/2 BPSK	135	69	16.34	16.43	16.35	17.4	0.0
100	PI/2 BPSK	135	138	16.26	16.46	16.38	17.4	0.0
100	PI/2 BPSK	270	0	16.35	16.39	16.42		
100	QPSK	1	1	16.61	16.65	16.62	17.4	0.0
100	QPSK	1	137	16.42	16.53	16.50		
100	QPSK	1	271	16.48	16.54	16.46		
100	QPSK	135	0	16.19	16.33	16.21	17.4	0.0
100	QPSK	135	69	16.49	16.55	16.43	17.4	0.0
100	QPSK	135	138	16.22	16.44	16.26	17.4	0.0
100	QPSK	270	0	16.26	16.28	16.21		
100	16QAM	1	1	16.32	16.39	16.28	17.4	0.0
100	64QAM	1	1	16.34	16.41	16.23	17.4	0.0
100	256QAM	1	1	16.28	16.38	16.32	17.4	0.0
Channel				639668	641666	643666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	16.54	16.59	16.54	17.4	0.0
Channel				639334	641666	644000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	16.51	16.61	16.52	17.4	0.0
Channel				639000	641666	644332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	16.56	16.60	16.56	17.4	0.0
Channel				638668	641666	644666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	16.55	16.56	16.52	17.4	0.0
Channel				638334	641666	645000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	16.57	16.59	16.56	17.4	0.0
Channel				638000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3570	3624.99	3624.99		
40	QPSK	1	1	16.53	16.58	16.54	17.4	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	16.58	16.63	16.54	17.4	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		

20	QPSK	1	1	16.54	16.62	16.58	17.4	0.0

Part96 n78 PC3 Ant3 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332		
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	16.43	16.50	16.40	17.4	0.0
100	PI/2 BPSK	1	137	16.25	16.37	16.24		
100	PI/2 BPSK	1	271	16.22	16.37	16.14		
100	PI/2 BPSK	135	0	16.36	16.53	16.26	17.4	0.0
100	PI/2 BPSK	135	69	16.19	16.32	16.21	17.4	0.0
100	PI/2 BPSK	135	138	16.18	16.37	16.32	17.4	0.0
100	PI/2 BPSK	270	0	16.29	16.32	16.32		
100	QPSK	1	1	16.46	16.56	16.53	17.4	0.0
100	QPSK	1	137	16.38	16.39	16.41		
100	QPSK	1	271	16.33	16.49	16.38		
100	QPSK	135	0	16.05	16.22	16.07	17.4	0.0
100	QPSK	135	69	16.35	16.46	16.36	17.4	0.0
100	QPSK	135	138	16.17	16.35	16.14	17.4	0.0
100	QPSK	270	0	16.17	16.19	16.08		
100	16QAM	1	1	16.19	16.26	16.21	17.4	0.0
100	64QAM	1	1	16.30	16.34	16.08	17.4	0.0
100	256QAM	1	1	16.14	16.28	16.19	17.4	0.0
Channel				639668	641666	643666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	16.44	16.47	16.47	17.4	0.0
Channel				639334	641666	644000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	16.43	16.51	16.45	17.4	0.0
Channel				639000	641666	644332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	16.41	16.50	16.44	17.4	0.0
Channel				638668	641666	644666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	16.37	16.50	16.44	17.4	0.0
Channel				638334	641666	645000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	16.41	16.50	16.50	17.4	0.0
Channel				638000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3570	3624.99	3679.98		
40	QPSK	1	1	16.40	16.48	16.43	17.4	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	16.44	16.53	16.46	17.4	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		

20	QPSK	1	1	16.37	16.53	16.48	17.4	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				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	19.59	19.68	19.55	20.8	0.0
40	PI/2 BPSK	1	53	19.49	19.54	19.42		
40	PI/2 BPSK	1	104	19.46	19.50	19.38		
40	PI/2 BPSK	50	0	19.63	19.63	19.47	20.8	0.0
40	PI/2 BPSK	50	28	19.42	19.58	19.49	20.8	0.0
40	PI/2 BPSK	50	56	19.39	19.57	19.40	20.8	0.0
40	PI/2 BPSK	100	0	19.40	19.55	19.43		
40	QPSK	1	1	19.64	19.72	19.61	20.8	0.0
40	QPSK	1	53	19.54	19.69	19.57		
40	QPSK	1	104	19.48	19.69	19.52		
40	QPSK	50	0	19.58	19.63	19.58	20.8	0.0
40	QPSK	50	28	19.61	19.69	19.56	20.8	0.0
40	QPSK	50	56	19.57	19.66	19.54	20.8	0.0
40	QPSK	100	0	19.62	19.63	19.56		
40	16QAM	1	1	19.54	19.66	19.53	20.8	0.0
40	64QAM	1	1	19.69	19.70	19.66	20.5	0.3
40	256QAM	1	1	17.75	17.75	17.69	18.5	2.3
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	19.61	19.65	19.55	20.8	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	19.54	19.66	19.52	20.8	0.0

Part27O n77 PC2 Ant4 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	20.63	20.67	20.53	21.7	0.0
100	PI/2 BPSK	1	137	20.54	20.54	20.41		
100	PI/2 BPSK	1	271	20.45	20.53	20.37		
100	PI/2 BPSK	135	0	20.69	20.73	20.48	21.7	0.0
100	PI/2 BPSK	135	69	20.41	20.58	20.53	21.7	0.0
100	PI/2 BPSK	135	138	20.40	20.57	20.48	21.7	0.0
100	PI/2 BPSK	270	0	20.52	20.49	20.47		
100	QPSK	1	1	20.71	20.76	20.72	21.7	0.0
100	QPSK	1	137	20.52	20.69	20.68		
100	QPSK	1	271	20.56	20.64	20.64		
100	QPSK	135	0	20.27	20.43	20.41	21.7	0.0
100	QPSK	135	69	20.55	20.69	20.53	21.7	0.0
100	QPSK	135	138	20.41	20.55	20.43	21.7	0.0
100	QPSK	270	0	20.31	20.47	20.34		
100	16QAM	1	1	20.41	20.48	20.39	21.7	0.0
100	64QAM	1	1	20.37	20.51	20.37	21.7	0.0
100	256QAM	1	1	20.59	20.67	20.58	21.7	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	20.61	20.68	20.63	21.7	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	20.57	20.70	20.60	21.7	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	20.62	20.60	20.60	21.7	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	20.58	20.64	20.61	21.7	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	20.60	20.66	20.62	21.7	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	20.56	20.60	20.63	21.7	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	20.58	20.61	20.61	21.7	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	20.55	20.65	20.62	21.7	0.0

Part27Q n77 PC2 Ant4 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		20.25		21.7	0.0
100	PI/2 BPSK	1	137		20.13			
100	PI/2 BPSK	1	271		20.10			
100	PI/2 BPSK	135	0		20.21		21.7	0.0
100	PI/2 BPSK	135	69		20.06		21.7	0.0
100	PI/2 BPSK	135	138		20.08		21.7	0.0
100	PI/2 BPSK	270	0		20.14			
100	QPSK	1	1		20.31		21.7	0.0
100	QPSK	1	137		20.24			
100	QPSK	1	271		20.25			
100	QPSK	135	0		19.97		21.7	0.0
100	QPSK	135	69		20.27		21.7	0.0
100	QPSK	135	138		20.09		21.7	0.0
100	QPSK	270	0		20.00			
100	16QAM	1	1		20.09		21.7	0.0
100	64QAM	1	1		20.03		21.7	0.0
100	256QAM	1	1		20.11		21.7	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	20.28	20.27	20.24	21.7	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	20.26	20.27	20.21	21.7	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	20.29	20.21	20.26	21.7	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	20.24	20.24	20.28	21.7	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	20.24	20.22	20.25	21.7	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.23	20.22	20.24	21.7	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	20.22	20.22	20.22	21.7	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	20.23	20.24	20.27	21.7	0.0

Part27O n78 PC2 Ant4 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		20.53		21.7	0.0
100	PI/2 BPSK	1	137		20.38			
100	PI/2 BPSK	1	271		20.38			
100	PI/2 BPSK	135	0		20.69		21.7	0.0
100	PI/2 BPSK	135	69		20.45		21.7	0.0
100	PI/2 BPSK	135	138		20.42		21.7	0.0
100	PI/2 BPSK	270	0		20.44			
100	QPSK	1	1		20.70		21.7	0.0
100	QPSK	1	137		20.61			
100	QPSK	1	271		20.58			
100	QPSK	135	0		20.35		21.7	0.0
100	QPSK	135	69		20.61		21.7	0.0
100	QPSK	135	138		20.41		21.7	0.0
100	QPSK	270	0		20.34			
100	16QAM	1	1		20.43		21.7	0.0
100	64QAM	1	1		20.36		21.7	0.0
100	256QAM	1	1		20.54		21.7	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	20.67	20.65	20.63	21.7	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	20.60	20.66	20.61	21.7	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	20.65	20.66	20.65	21.7	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	20.63	20.61	20.63	21.7	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	20.66	20.62	20.61	21.7	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	20.63	20.66	20.65	21.7	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	20.67	20.68	20.64	21.7	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	20.64	20.61	20.60	21.7	0.0

Part27Q n78 PC2 Ant4 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		20.16		21.7	0.0
100	PI/2 BPSK	1	137		19.99			
100	PI/2 BPSK	1	271		20.04			
100	PI/2 BPSK	135	0		20.12		21.7	0.0
100	PI/2 BPSK	135	69		20.01		21.7	0.0
100	PI/2 BPSK	135	138		19.96		21.7	0.0
100	PI/2 BPSK	270	0		20.09			
100	QPSK	1	1		20.26		21.7	0.0
100	QPSK	1	137		20.14			
100	QPSK	1	271		20.11			
100	QPSK	135	0		19.86		21.7	0.0
100	QPSK	135	69		20.23		21.7	0.0
100	QPSK	135	138		20.01		21.7	0.0
100	QPSK	270	0		19.88			
100	16QAM	1	1		19.97		21.7	0.0
100	64QAM	1	1		19.96		21.7	0.0
100	256QAM	1	1		20.11		21.7	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	20.23	20.17	20.16	21.7	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	20.18	20.18	20.18	21.7	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	20.19	20.17	20.19	21.7	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	20.20	20.20	20.22	21.7	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	20.20	20.16	20.22	21.7	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.20	20.22	20.16	21.7	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	20.17	20.23	20.18	21.7	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	20.17	20.19	20.19	21.7	0.0

Part96 n77 PC3 Ant4 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332		
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	20.40	20.50	20.30	21.7	0.0
100	PI/2 BPSK	1	137	20.30	20.33	20.25		
100	PI/2 BPSK	1	271	20.28	20.28	20.11		
100	PI/2 BPSK	135	0	20.38	20.42	20.24	21.7	0.0
100	PI/2 BPSK	135	69	20.21	20.28	20.19	21.7	0.0
100	PI/2 BPSK	135	138	20.17	20.28	20.26	21.7	0.0
100	PI/2 BPSK	270	0	20.23	20.30	20.26		
100	QPSK	1	1	20.46	20.52	20.51	21.7	0.0
100	QPSK	1	137	20.35	20.47	20.42		
100	QPSK	1	271	20.30	20.51	20.31		
100	QPSK	135	0	20.07	20.17	20.11	21.7	0.0
100	QPSK	135	69	20.28	20.45	20.34	21.7	0.0
100	QPSK	135	138	20.09	20.21	20.18	21.7	0.0
100	QPSK	270	0	20.13	20.24	20.11		
100	16QAM	1	1	20.20	20.29	20.16	21.7	0.0
100	64QAM	1	1	20.20	20.22	20.13	21.7	0.0
100	256QAM	1	1	20.25	20.33	20.21	21.7	0.0
Channel				639668	641666	643666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	20.39	20.45	20.46	21.7	0.0
Channel				639334	641666	644000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	20.38	20.46	20.48	21.7	0.0
Channel				639000	641666	644332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	20.42	20.45	20.48	21.7	0.0
Channel				638668	641666	644666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	20.42	20.48	20.44	21.7	0.0
Channel				638334	641666	645000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	20.40	20.45	20.43	21.7	0.0
Channel				638000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3570	3624.99	3624.99		
40	QPSK	1	1	20.38	20.43	20.45	21.7	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	20.43	20.47	20.45	21.7	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	20.41	20.45	20.44	21.7	0.0

Part96 n78 PC3 Ant4 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332		
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	20.25	20.42	20.15	21.7	0.0
100	PI/2 BPSK	1	137	20.17	20.22	20.12		
100	PI/2 BPSK	1	271	20.20	20.21	19.99		
100	PI/2 BPSK	135	0	20.30	20.37	20.10	21.7	0.0
100	PI/2 BPSK	135	69	20.15	20.13	20.11	21.7	0.0
100	PI/2 BPSK	135	138	20.11	20.21	20.11	21.7	0.0
100	PI/2 BPSK	270	0	20.18	20.22	20.17		
100	QPSK	1	1	20.39	20.46	20.41	21.7	0.0
100	QPSK	1	137	20.31	20.33	20.32		
100	QPSK	1	271	20.20	20.40	20.27		
100	QPSK	135	0	20.02	20.12	19.96	21.7	0.0
100	QPSK	135	69	20.13	20.31	20.20	21.7	0.0
100	QPSK	135	138	19.96	20.14	20.06	21.7	0.0
100	QPSK	270	0	20.08	20.12	20.06		
100	16QAM	1	1	20.07	20.23	20.03	21.7	0.0
100	64QAM	1	1	20.16	20.14	20.02	21.7	0.0
100	256QAM	1	1	20.21	20.15	20.11	21.7	0.0
Channel				639668	641666	643666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	20.36	20.44	20.35	21.7	0.0
Channel				639334	641666	644000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	20.34	20.39	20.36	21.7	0.0
Channel				639000	641666	644332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	20.34	20.43	20.38	21.7	0.0
Channel				638668	641666	644666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	20.34	20.37	20.35	21.7	0.0
Channel				638334	641666	645000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	20.31	20.39	20.32	21.7	0.0
Channel				638000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3570	3624.99	3679.98		
40	QPSK	1	1	20.34	20.39	20.37	21.7	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	20.33	20.37	20.35	21.7	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	20.33	20.42	20.33	21.7	0.0

n25 Ant5 Ant5 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	21.70	21.81	21.81	22.9	0.0
40	PI/2 BPSK	1	108	21.43	21.60	21.50		
40	PI/2 BPSK	1	214	21.61	21.64	21.41		
40	PI/2 BPSK	108	0	21.75	21.82	21.77	22.9	0.0
40	PI/2 BPSK	108	54	21.71	21.82	21.77	22.9	0.0
40	PI/2 BPSK	108	108	21.38	21.57	21.47	22.9	0.0
40	PI/2 BPSK	216	0	21.61	21.66	21.43		
40	QPSK	1	1	21.78	21.88	21.85	22.9	0.0
40	QPSK	1	108	21.46	21.63	21.55		
40	QPSK	1	214	21.69	21.68	21.46		
40	QPSK	108	0	21.68	21.74	21.68	22.9	0.0
40	QPSK	108	54	21.73	21.78	21.75	22.9	0.0
40	QPSK	108	108	21.64	21.75	21.68	22.9	0.0
40	QPSK	216	0	21.63	21.71	21.66		
40	16QAM	1	1	21.72	21.82	21.79	22.9	0.0
40	64QAM	1	1	21.74	21.83	21.78	22.5	0.4
40	256QAM	1	1	19.69	19.71	19.55	20.5	2.4
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	21.69	21.83	21.78	22.9	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	21.69	21.85	21.75	22.9	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	21.70	21.86	21.79	22.9	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	21.74	21.83	21.81	22.9	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	21.76	21.85	21.75	22.9	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	21.69	21.85	21.76	22.9	0.0

n66 Ant5 Ant5 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	23.21	23.35	23.16	24.0	0.0
40	PI/2 BPSK	1	108	23.20	23.29	23.15		
40	PI/2 BPSK	1	214	23.24	23.36	23.18		
40	PI/2 BPSK	108	0	23.22	23.31	23.21	24.0	0.0
40	PI/2 BPSK	108	54	23.23	23.34	23.14	24.0	0.0
40	PI/2 BPSK	108	108	23.22	23.34	23.20	24.0	0.0
40	PI/2 BPSK	216	0	23.20	23.32	23.15		
40	QPSK	1	1	23.27	23.45	23.24	24.0	0.0
40	QPSK	1	108	22.88	23.05	22.96		
40	QPSK	1	214	23.02	23.17	22.88		
40	QPSK	108	0	23.12	23.13	23.04	24.0	0.0
40	QPSK	108	54	23.17	23.36	23.20	24.0	0.0
40	QPSK	108	108	23.05	23.13	23.12	24.0	0.0
40	QPSK	216	0	23.04	23.07	23.03		
40	16QAM	1	1	23.19	23.29	23.19	24.0	0.0
40	64QAM	1	1	21.63	21.83	21.54	22.5	1.5
40	256QAM	1	1	19.58	19.65	19.39	20.5	3.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	23.23	23.38	23.20	24.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	23.24	23.38	23.19	24.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.22	23.42	23.17	24.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.24	23.41	23.17	24.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.20	23.38	23.14	24.0	0.0

n41 PC2 Ant5 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	17.15	17.26	17.05	18.4	0.0
100	PI/2 BPSK	1	137	16.99	17.21	16.98		
100	PI/2 BPSK	1	271	16.78	16.94	16.79		
100	PI/2 BPSK	135	0	17.07	17.23	16.97	18.4	0.0
100	PI/2 BPSK	135	69	17.13	17.22	16.92	18.4	0.0
100	PI/2 BPSK	135	138	16.95	17.12	16.93	18.4	0.0
100	PI/2 BPSK	270	0	16.97	17.11	17.08		
100	QPSK	1	1	17.21	17.35	17.09	18.4	0.0
100	QPSK	1	137	17.05	17.25	17.05		
100	QPSK	1	271	16.88	17.00	16.85		
100	QPSK	135	0	17.11	17.31	17.07	18.4	0.0
100	QPSK	135	69	17.17	17.32	17.01	18.4	0.0
100	QPSK	135	138	16.98	17.20	17.02	18.4	0.0
100	QPSK	270	0	17.05	17.21	17.16		
100	16QAM	1	1	17.17	17.33	17.02	18.4	0.0
100	64QAM	1	1	16.97	17.21	17.01	18.4	0.0
100	256QAM	1	1	16.82	16.98	16.80	18.4	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	17.18	17.32	17.03	18.4	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	17.17	17.29	17.05	18.4	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	17.18	17.26	17.06	18.4	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	17.12	17.25	17.00	18.4	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	17.19	17.27	17.00	18.4	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	17.14	17.27	17.07	18.4	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	17.18	17.26	17.04	18.4	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	17.14	17.31	17.06	18.4	0.0

n41 PC2&PC3 Ant6 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	17.10	17.13	17.01	18.3	0.0
100	PI/2 BPSK	1	137	16.95	17.04	16.95		
100	PI/2 BPSK	1	271	17.01	16.99	16.89		
100	PI/2 BPSK	135	0	17.17	17.24	16.98	18.3	0.0
100	PI/2 BPSK	135	69	16.99	17.05	16.93	18.3	0.0
100	PI/2 BPSK	135	138	16.88	17.07	16.98	18.3	0.0
100	PI/2 BPSK	270	0	16.95	16.97	17.00		
100	QPSK	1	1	17.17	17.25	17.21	18.3	0.0
100	QPSK	1	137	17.04	17.20	17.14		
100	QPSK	1	271	17.04	17.21	17.09		
100	QPSK	135	0	16.84	16.90	16.81	18.3	0.0
100	QPSK	135	69	17.09	17.11	17.02	18.3	0.0
100	QPSK	135	138	16.83	16.96	16.91	18.3	0.0
100	QPSK	270	0	16.79	17.00	16.80		
100	16QAM	1	1	16.88	16.97	16.85	18.3	0.0
100	64QAM	1	1	16.85	16.93	16.79	18.3	0.0
100	256QAM	1	1	16.96	16.96	16.88	18.3	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	17.11	17.18	17.14	18.3	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	17.14	17.15	17.14	18.3	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	17.14	17.17	17.16	18.3	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	17.09	17.16	17.19	18.3	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	17.07	17.19	17.17	18.3	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	17.15	17.17	17.16	18.3	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	17.13	17.21	17.15	18.3	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	17.13	17.18	17.18	18.3	0.0

Part27O n77 PC2&PC3 Ant6 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	17.28	17.47	17.22	18.1	0.0
100	PI/2 BPSK	1	137	17.35	17.41	17.37		
100	PI/2 BPSK	1	271	17.27	17.27	17.25		
100	PI/2 BPSK	135	0	17.31	17.50	17.28	18.1	0.0
100	PI/2 BPSK	135	69	17.27	17.49	17.27	18.1	0.0
100	PI/2 BPSK	135	138	17.34	17.39	17.33	18.1	0.0
100	PI/2 BPSK	270	0	17.27	17.32	17.19		
100	QPSK	1	1	17.35	17.55	17.32	18.1	0.0
100	QPSK	1	137	17.41	17.47	17.41		
100	QPSK	1	271	17.35	17.37	17.29		
100	QPSK	135	0	17.29	17.46	17.28	18.1	0.0
100	QPSK	135	69	17.32	17.53	17.24	18.1	0.0
100	QPSK	135	138	17.37	17.42	17.37	18.1	0.0
100	QPSK	270	0	17.29	17.30	17.24		
100	16QAM	1	1	17.28	17.52	17.23	18.1	0.0
100	64QAM	1	1	17.32	17.44	17.34	18.1	0.0
100	256QAM	1	1	17.26	17.35	17.25	18.1	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	17.32	17.48	17.24	18.1	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	17.30	17.47	17.29	18.1	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	17.27	17.48	17.24	18.1	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	17.25	17.52	17.26	18.1	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	17.26	17.47	17.25	18.1	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	17.33	17.52	17.26	18.1	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	17.27	17.51	17.24	18.1	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	17.25	17.52	17.26	18.1	0.0

Part27Q n77 PC2&PC3 Ant6 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		17.53		18.1	0.0
100	PI/2 BPSK	1	137		17.32			
100	PI/2 BPSK	1	271		17.33			
100	PI/2 BPSK	135	0		17.37		18.1	0.0
100	PI/2 BPSK	135	69		17.51		18.1	0.0
100	PI/2 BPSK	135	138		17.40		18.1	0.0
100	PI/2 BPSK	270	0		17.42			
100	QPSK	1	1		17.62		18.1	0.0
100	QPSK	1	137		17.41			
100	QPSK	1	271		17.41			
100	QPSK	135	0		17.45		18.1	0.0
100	QPSK	135	69		17.54		18.1	0.0
100	QPSK	135	138		17.48		18.1	0.0
100	QPSK	270	0		17.44			
100	16QAM	1	1		17.55		18.1	0.0
100	64QAM	1	1		17.36		18.1	0.0
100	256QAM	1	1		17.32		18.1	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	17.59	17.56	17.57	18.1	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	17.58	17.55	17.53	18.1	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	17.57	17.60	17.58	18.1	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	17.57	17.53	17.53	18.1	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	17.57	17.53	17.56	18.1	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	17.52	17.58	17.56	18.1	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	17.55	17.59	17.59	18.1	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	17.53	17.59	17.59	18.1	0.0

Part27O n78 PC2&PC3 Ant6 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		17.41		18.1	0.0
100	PI/2 BPSK	1	137		17.33			
100	PI/2 BPSK	1	271		17.20			
100	PI/2 BPSK	135	0		17.42		18.1	0.0
100	PI/2 BPSK	135	69		17.40		18.1	0.0
100	PI/2 BPSK	135	138		17.31		16.6	1.5
100	PI/2 BPSK	270	0		17.29			
100	QPSK	1	1		17.52		18.1	0.0
100	QPSK	1	137		17.39			
100	QPSK	1	271		17.30			
100	QPSK	135	0		17.37		18.1	0.0
100	QPSK	135	69		17.44		18.1	0.0
100	QPSK	135	138		17.34		18.1	0.0
100	QPSK	270	0		17.21			
100	16QAM	1	1		17.50		16.1	2.0
100	64QAM	1	1		17.40		15.1	3.0
100	256QAM	1	1		17.27		18.1	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	17.48	17.43	17.43	18.1	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	17.47	17.45	17.44	18.1	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	17.49	17.43	17.44	18.1	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	17.44	17.49	17.48	18.1	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	17.50	17.43	17.50	18.1	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	17.44	17.48	17.44	18.1	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	17.46	17.48	17.49	18.1	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	17.48	17.49	17.44	18.1	0.0

Part96 n77 PC3 Ant6 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332		
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	16.85	16.96	16.90	18.1	0.0
100	PI/2 BPSK	1	137	16.53	16.56	16.58		
100	PI/2 BPSK	1	271	16.50	16.46	16.44		
100	PI/2 BPSK	135	0	16.88	16.91	16.88	18.1	0.0
100	PI/2 BPSK	135	69	16.86	16.92	16.93	18.1	0.0
100	PI/2 BPSK	135	138	16.56	16.55	16.54	18.1	0.0
100	PI/2 BPSK	270	0	16.50	16.49	16.48		
100	QPSK	1	1	16.96	17.01	16.98	18.1	0.0
100	QPSK	1	137	16.63	16.61	16.64		
100	QPSK	1	271	16.59	16.57	16.53		
100	QPSK	135	0	16.89	16.88	16.94	18.1	0.0
100	QPSK	135	69	16.86	16.95	16.89	18.1	0.0
100	QPSK	135	138	16.57	16.53	16.59	18.1	0.0
100	QPSK	270	0	16.78	16.88	16.72		
100	16QAM	1	1	16.86	16.90	16.88	18.1	0.0
100	64QAM	1	1	16.56	16.53	16.53	18.1	0.0
100	256QAM	1	1	16.54	16.51	16.47	18.1	0.0
Channel				639668	641666	643666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	16.90	16.94	16.91	18.1	0.0
Channel				639334	641666	644000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	16.93	16.98	16.95	18.1	0.0
Channel				639000	641666	644332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	16.92	16.95	16.91	18.1	0.0
Channel				638668	641666	644666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	16.90	16.98	16.89	18.1	0.0
Channel				638334	641666	645000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	16.92	16.91	16.94	18.1	0.0
Channel				638000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3570	3624.99	3624.99		
40	QPSK	1	1	16.93	16.92	16.93	18.1	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	16.89	16.96	16.94	18.1	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	16.90	16.92	16.94	18.1	0.0

Part96 n78 PC3 Ant6 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332		
Frequency (MHz)				3600	3624.99	3649.98		
100	PI/2 BPSK	1	1	16.75	16.90	16.85	18.1	0.0
100	PI/2 BPSK	1	137	16.45	16.50	16.52		
100	PI/2 BPSK	1	271	16.40	16.36	16.39		
100	PI/2 BPSK	135	0	16.77	16.81	16.77	18.1	0.0
100	PI/2 BPSK	135	69	16.78	16.82	16.82	18.1	0.0
100	PI/2 BPSK	135	138	16.48	16.46	16.49	18.1	0.0
100	PI/2 BPSK	270	0	16.41	16.38	16.43		
100	QPSK	1	1	16.84	16.91	16.86	18.1	0.0
100	QPSK	1	137	16.54	16.50	16.54		
100	QPSK	1	271	16.53	16.50	16.41		
100	QPSK	135	0	16.85	16.80	16.83	18.1	0.0
100	QPSK	135	69	16.75	16.87	16.84	18.1	0.0
100	QPSK	135	138	16.52	16.46	16.48	18.1	0.0
100	QPSK	270	0	16.71	16.78	16.61		
100	16QAM	1	1	16.78	16.82	16.78	18.1	0.0
100	64QAM	1	1	16.51	16.43	16.42	18.1	0.0
100	256QAM	1	1	16.45	16.47	16.40	18.1	0.0
Channel				639668	641666	643666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3595.02	3624.99	3654.99		
90	QPSK	1	1	16.81	16.84	16.83	18.1	0.0
Channel				639334	641666	644000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3590.01	3624.99	3660		
80	QPSK	1	1	16.77	16.85	16.76	18.1	0.0
Channel				639000	641666	644332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3585	3624.99	3664.98		
70	QPSK	1	1	16.77	16.85	16.77	18.1	0.0
Channel				638668	641666	644666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3580.02	3624.99	3669.99		
60	QPSK	1	1	16.81	16.89	16.78	18.1	0.0
Channel				638334	641666	645000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3575.01	3624.99	3675		
50	QPSK	1	1	16.79	16.84	16.76	18.1	0.0
Channel				638000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3570	3624.99	3679.98		
40	QPSK	1	1	16.78	16.87	16.82	18.1	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	16.79	16.85	16.77	18.1	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	16.79	16.89	16.77	18.1	0.0

<WLAN Conducted Power>

General Note:

1. The maximum output power specified for production units are determined for all applicable 802.11 transmission modes in each standalone and aggregated frequency band. Maximum output power is measured for the highest maximum output power configuration(s) in each frequency band according to the default power measurement procedures. For “Not required”, SAR Test reduction was applied from KDB 248227 guidance, Sec. 2.1, b), 1) when the same maximum power is specified for multiple transmission modes in a frequency band, the largest channel bandwidth, lowest order modulation, lowest data rate and lowest order 802.11a/g/n/ac mode is used for SAR measurement, on the highest measured output power channel in the initial test configuration. Additional output power measurements were not necessary.
2. Per KDB 248227 D01v02r02, SAR test reduction is determined according to 802.11 transmission mode configurations and certain exposure conditions with multiple test positions. In the 2.4 GHz band, separate SAR procedures are applied to DSSS and OFDM configurations to simplify DSSS test requirements. For OFDM, in both 2.4 and 5 GHz bands, an initial test configuration must be determined for each standalone and aggregated frequency band, according to the transmission mode configuration with the highest maximum output power specified for production units to perform SAR measurements. If the same highest maximum output power applies to different combinations of channel bandwidths, modulations and data rates, additional procedures are applied to determine which test configurations require SAR measurement. When applicable, an initial test position may be applied to reduce the number of SAR measurements required for next to the ear, UMPC mini-tablet or hotspot mode configurations with multiple test positions.
3. For 2.4 GHz 802.11b DSSS, either the initial test position procedure for multiple exposure test positions or the DSSS procedure for fixed exposure position is applied; these are mutually exclusive. For 2.4 GHz and 5 GHz OFDM configurations, the initial test configuration is applied to measure SAR using either the initial test position procedure for multiple exposure test position configurations or the initial test configuration procedures for fixed exposure test conditions. Based on the reported SAR of the measured configurations and maximum output power of the transmission mode configurations that are not included in the initial test configuration, the subsequent test configuration and initial test position procedures are applied to determine if SAR measurements are required for the remaining OFDM transmission configurations. In general, the number of test channels that require SAR measurement is minimized based on maximum output power measured for the test sample(s).
4. For OFDM transmission configurations in the 2.4 GHz and 5 GHz bands, When the same maximum power is specified for multiple transmission modes in a frequency band, the largest channel bandwidth, lowest order modulation, lowest data rate and lowest order 802.11a/g/n/ac mode is used for SAR measurement, on the highest measured output power channel for each frequency band.
5. DSSS and OFDM configurations are considered separately according to the required SAR procedures. SAR is measured in the initial test position using the 802.11 transmission mode configuration required by the DSSS procedure or initial test configuration and subsequent test configuration(s) according to the OFDM procedures.18 The initial test position procedure is described in the following:
   a. When the reported SAR of the initial test position is ≤ 0.4 W/kg, further SAR measurement is not required for the other test positions in that exposure configuration and 802.11 transmission mode combinations within the frequency band or aggregated band.
   b. When the reported SAR of the test position is > 0.4 W/kg, SAR is repeated for the 802.11 transmission mode configuration tested in the initial test position to measure the subsequent next closet/smallest test separation distance and maximum coupling test position on the highest maximum output power channel, until the report SAR is ≤ 0.8 W/kg or all required test position are tested.
   c. For all positions/configurations, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.
6. 802.11 ax supports both full tone size mode and partial tone size mode, after verification on partial tone size mode that partial size tone mode power will not be higher than full tone size mode, therefore, full tone mode power was chosen to be measured in this report.
7. For WLAN2.4GHz/5GHz SISO & MIMO(CDD) &TX Beamforming mode of 802.11ax, and WLAN SISO & TX Beamforming mode is not higher than WLAN MIMO(CDD) mode, so conducted power of WLAN2.4GHz/5GHz SISO &Tx Beamforming mode is not required.
8. SISO and MIMO all supported by WLAN2.4GHz/WLAN5GHz, for SISO mode power is less than per chain power of MIMO mode. For WLAN SISO & MIMO mode, the whole testing has assessed only MIMO mode by referring to their higher conducted power, so only chose MIMO mode to perform SAR testing. However, in order to do SISO simultaneous transmission, additional tested the WLAN 2.4GHz SISO antenna 9.
9. For the conducted power measurement is MIMO chains transmitting simultaneously and measured the separately conducted power for both chains and then based on the conducted power of two antennas respectively to calculate sum of the power for MIMO mode.

<WLAN2.4GHz>

				Ant 7 Full PowerBody-Worn&Extremity Standalone Non DBS		Ant 9 Full Power Body-Worn&Extremity Standalone Non DBS		Ant 7+9 Full Power Body-Worn&Extremity Standalone Non DBS		Ant 7 HeadStandalone Non DBS Body-Worn&Extremity Standalone DBS only		Ant 9 HeadStandalone Non DBS Body-Worn&Extremity Standalone DBS only		Ant 7+9 HeadStandalone Non DBS Body-Worn&Extremity Standalone DBS only	
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit
2.4GHz WLAN	802.11b 1Mbps	1	2412	18.55	20.00	18.30	20.00	21.44	23.00	16.54	18.00	16.63	18.00	19.60	21.00
		6	2437	17.70	19.50	17.71	19.50	20.72	22.50	16.68	18.00	16.60	18.00	19.65	21.00
		11	2462	19.46	21.00	19.54	21.00	22.51	24.00	16.73	18.00	16.64	18.00	19.70	21.00
	802.11g 6Mbps	1	2412	17.96	19.50	17.85	19.50	20.92	22.50	Not Required	18.00	Not Required	18.00	Not Required	21.00
		6	2437	18.80	20.50	19.12	20.50	21.97	23.50		18.00		18.00		21.00
		11	2462	17.23	18.50	17.32	19.00	20.29	21.80		18.00		18.00		21.00
	802.11n-HT20 MCS0	1	2412	17.33	19.00	17.21	18.50	20.28	21.80		18.00		18.00		21.00
		6	2437	18.16	19.50	18.36	19.00	21.27	22.30		18.00		18.00		21.00
		11	2462	17.15	18.50	17.39	18.50	20.28	21.50		18.00		18.00		21.00
	802.11ac-VHT20 MCS0	1	2412	17.37	18.50	17.25	19.00	20.32	21.80		18.00		18.00		21.00
		6	2437	18.21	20.00	18.39	19.50	21.31	22.80		18.00		18.00		21.00
		11	2462	17.18	18.50	17.41	19.00	20.31	21.80		18.00		18.00		21.00
	802.11ax-HE20 MCS0	1	2412	17.41	19.00	17.28	18.50	20.36	21.80		18.00		18.00		21.00
		6	2437	18.23	19.50	18.41	20.00	21.33	22.80		18.00		18.00		21.00
		11	2462	17.21	18.50	17.46	19.00	20.35	21.80		18.00		18.00		21.00

				Ant 7 Head Standalone DBS only		Ant 9 Head Standalone DBS only		Ant 7+9 Head Standalone DBS only		Ant 7 Head Simultaneous Non DBS		Ant 9 Head Simultaneous Non DBS		Ant 7+9 Head Simultaneous Non DBS	
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit
2.4GHz WLAN	802.11b 1Mbps	1	2412	13.68	15.00	13.62	15.00	16.66	18.00	12.33	14.00	12.24	14.00	15.30	17.00
		6	2437	13.66	15.00	13.64	15.00	16.66	18.00	12.48	14.00	12.16	14.00	15.33	17.00
		11	2462	13.51	15.00	13.70	15.00	16.62	18.00	12.49	14.00	12.26	14.00	15.39	17.00
	802.11g 6Mbps	1	2412	Not Required	15.00	Not Required	15.00	Not Required	18.00	Not Required	14.00	Not Required	14.00	Not Required	17.00
		6	2437		15.00		15.00		18.00		14.00		14.00		17.00
		11	2462		15.00		15.00		18.00		14.00		14.00		17.00
	802.11n-HT20 MCS0	1	2412		15.00		15.00		18.00		14.00		14.00		17.00
		6	2437		15.00		15.00		18.00		14.00		14.00		17.00
		11	2462		15.00		15.00		18.00		14.00		14.00		17.00
	802.11ac-VHT20 MCS0	1	2412		15.00		15.00		18.00		14.00		14.00		17.00
		6	2437		15.00		15.00		18.00		14.00		14.00		17.00
		11	2462		15.00		15.00		18.00		14.00		14.00		17.00
	802.11ax-HE20 MCS0	1	2412		15.00		15.00		18.00		14.00		14.00		17.00
		6	2437		15.00		15.00		18.00		14.00		14.00		17.00
		11	2462		15.00		15.00		18.00		14.00		14.00		17.00

				Ant 7 Head Simultaneous DBS		Ant 9 Head Simultaneous DBS		Ant 7+9 Head Simultaneous DBS		Ant 7 Hotspot Standalone Non DBS		Ant 9 Hotspot Standalone Non DBS		Ant 7+9 Hotspot Standalone Non DBS	
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit
2.4GHz WLAN	802.11b 1Mbps	1	2412	9.93	11.50	9.34	11.00	12.66	14.30	18.55	20.00	18.30	20.00	21.44	23.00
		6	2437	9.94	11.50	9.45	11.00	12.71	14.30	17.70	19.00	17.71	19.00	20.72	22.00
		11	2462	9.97	11.50	9.52	11.00	12.76	14.30	18.58	20.00	18.54	20.00	21.57	23.00
	802.11g 6Mbps	1	2412	Not Required	11.50	Not Required	11.00	Not Required	14.30	Not Required	19.50	Not Required	19.50	Not Required	22.50
		6	2437		11.50		11.00		14.30		20.00		20.00		23.00
		11	2462		11.50		11.00		14.30		18.50		19.00		21.80
	802.11n-HT20 MCS0	1	2412		11.50		11.00		14.30		19.00		18.50		21.80
		6	2437		11.50		11.00		14.30		19.50		19.00		22.30
		11	2462		11.50		11.00		14.30		18.50		18.50		21.50
	802.11ac-VHT20 MCS0	1	2412		11.50		11.00		14.30		18.50		19.00		21.80
		6	2437		11.50		11.00		14.30		20.00		19.50		22.80
		11	2462		11.50		11.00		14.30		18.50		19.00		21.80
	802.11ax-HE20 MCS0	1	2412		11.50		11.00		14.30		19.00		18.50		21.80
		6	2437		11.50		11.00		14.30		19.50		20.00		22.80
		11	2462		11.50		11.00		14.30		18.50		19.00		21.80

				Ant 7 Hotspot Standalone DBS only		Ant 9 Hotspot Standalone DBS only		Ant 7+9 Hotspot Standalone DBS only		Ant 7 Hotspot Simultaneous Non DBSBody-Worn&Extremity Simultaneous Non DBS		Ant 9 Hotspot Simultaneous Non DBSBody-Worn&Extremity Simultaneous Non DBS		Ant 7+9 Hotspot Simultaneous Non DBSBody-Worn&Extremity Simultaneous Non DBS	
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit
2.4GHz WLAN	802.11b 1Mbps	1	2412	15.69	17.00	15.56	17.00	18.64	20.00	14.40	15.50	14.00	15.50	17.21	18.50
		6	2437	15.77	17.00	15.59	17.00	18.69	20.00	14.32	15.50	14.06	15.50	17.20	18.50
		11	2462	15.64	17.00	15.78	17.00	18.72	20.00	14.18	15.50	14.29	15.50	17.25	18.50
	802.11g 6Mbps	1	2412	Not Required	17.00	Not Required	17.00	Not Required	20.00	Not Required	15.50	Not Required	15.50	Not Required	18.50
		6	2437		17.00		17.00		20.00		15.50		15.50		18.50
		11	2462		17.00		17.00		20.00		15.50		15.50		18.50
	802.11n-HT20 MCS0	1	2412		17.00		17.00		20.00		15.50		15.50		18.50
		6	2437		17.00		17.00		20.00		15.50		15.50		18.50
		11	2462		17.00		17.00		20.00		15.50		15.50		18.50
	802.11ac-VHT20 MCS0	1	2412		17.00		17.00		20.00		15.50		15.50		18.50
		6	2437		17.00		17.00		20.00		15.50		15.50		18.50
		11	2462		17.00		17.00		20.00		15.50		15.50		18.50
	802.11ax-HE20 MCS0	1	2412		17.00		17.00		20.00		15.50		15.50		18.50
		6	2437		17.00		17.00		20.00		15.50		15.50		18.50
		11	2462		17.00		17.00		20.00		15.50		15.50		18.50

				Ant 7 Hotspot Simultaneous DBS Body-Worn&Extremity Simultaneous DBS		Ant 9 Hotspot DBS Body-Worn&Extremity Simultaneous DBS		Ant 7+9 Hotspot Simultaneous DBS Body-Worn&Extremity Simultaneous DBS	
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit
2.4GHz WLAN	802.11b 1Mbps	1	2412	12.00	13.50	11.68	13.50	14.85	16.50
		6	2437	12.07	13.50	11.65	13.50	14.88	16.50
		11	2462	12.12	13.50	11.92	13.50	15.03	16.50
	802.11g 6Mbps	1	2412	Not Required	13.50	Not Required	13.50	Not Required	16.50
		6	2437		13.50		13.50		16.50
		11	2462		13.50		13.50		16.50
	802.11n-HT20 MCS0	1	2412		13.50		13.50		16.50
		6	2437		13.50		13.50		16.50
		11	2462		13.50		13.50		16.50
	802.11ac-VHT20 MCS0	1	2412		13.50		13.50		16.50
		6	2437		13.50		13.50		16.50
		11	2462		13.50		13.50		16.50
	802.11ax-HE20 MCS0	1	2412		13.50		13.50		16.50
		6	2437		13.50		13.50		16.50
		11	2462		13.50		13.50		16.50

		Ant 9 Full Power Body-Worn&Extremity Standalone Non DBS&Standalone DBS only&Simultaneous Non DBS Hotspot Standalone Non DBS		Ant 9 Head Standalone Non DBS Body-Worn&Extremity Simultaneous DBS		Ant 9 Head Standalone DBS only		Ant 9 Head Simultaneous Non DBS		Ant 9 Head Simultaneous DBS		Ant 9 Hotspot Standalone DBS only		Ant 9 Hotspot Simultaneous Non DBS		Ant 9 Hotspot Simultaneous DBS		Duty Cycle %
	Mode	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
2.4GHz WLAN	802.11b 1Mbps	18.30	20.00	17.63	19.00	14.61	16.00	13.09	14.50	10.05	11.50	18.30	20.00	17.12	18.50	14.00	15.50	98.35
		17.71	19.50	17.60	19.00	14.65	16.00	13.13	14.50	10.11	11.50	17.71	19.00	17.08	18.50	14.06	15.50	
		19.54	21.00	17.65	19.00	14.71	16.00	13.19	14.50	10.14	11.50	18.54	20.00	17.13	18.50	14.29	15.50	
	802.11g 6Mbps	17.85	19.50	Not Required	19.00	Not Required	16.00	Not Required	14.50	Not Required	11.50	Not Required	19.50	Not Required	18.50	Not Required	15.50	99.11
		19.12	20.50		19.00		16.00		14.50		11.50		20.00		18.50		15.50	
		17.32	19.00		19.00		16.00		14.50		11.50		19.00		18.50		15.50	
	802.11n-HT20 MCS0	17.21	18.50		18.50		16.00		14.50		11.50		18.50		18.50		15.50	100.00
		18.36	19.00		19.00		16.00		14.50		11.50		19.00		18.50		15.50	
		17.39	18.50		18.50		16.00		14.50		11.50		18.50		18.50		15.50	
	802.11ac-VHT20 MCS0	17.25	19.00		19.00		16.00		14.50		11.50		19.00		18.50		15.50	100.00
		18.39	19.50		19.50		16.00		14.50		11.50		19.50		18.50		15.50	
		17.41	19.00		19.00		16.00		14.50		11.50		19.00		18.50		15.50	
	802.11ax-HE20 MCS0	17.28	18.50		18.50		16.00		14.50		11.50		18.50		18.50		15.50	100.00
		18.41	20.00		19.00		16.00		14.50		11.50		20.00		18.50		15.50	
		17.46	19.00		19.00		16.00		14.50		11.50		19.00		18.50		15.50	

<WLAN5.2GHz>

				Ant 8 Full Power Body-Worn&Extremity Standalone Non DBS		Ant 10 Full Power Body-Worn&Extremity Standalone Non DBS		Ant 8+10 Full Power Body-Worn&Extremity Standalone Non DBS		Ant 8 Head Standalone Non DBS Body-Worn&Extremity Simultaneous Non DBS		Ant 10 Head Standalone Non DBS Body-Worn&Extremity Simultaneous Non DBS		Ant 8+10 Head Standalone Non DBS Body-Worn&Extremity Simultaneous Non DBS	
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit
5.2GHz WLAN	802.11a 6Mbps	36	5180	19.37	21.00	18.75	20.50	22.08	23.80	Not Required	17.00	Not Required	16.50	Not Required	19.80
		40	5200	19.19	21.00	18.71	20.50	21.97	23.80		17.00		16.50		19.80
		44	5220	19.28	21.00	18.64	20.50	21.98	23.80		17.00		16.50		19.80
		48	5240	19.33	21.00	19.21	21.00	22.28	24.00		17.00		16.50		19.80
	802.11n-HT20 MCS0	36	5180	18.35	20.00	17.99	19.50	21.18	22.80		17.00		16.50		19.80
		40	5200	18.32	20.00	17.93	19.50	21.14	22.80		17.00		16.50		19.80
		44	5220	18.36	20.00	17.82	19.50	21.11	22.80		17.00		16.50		19.80
		48	5240	18.31	20.00	18.07	20.00	21.20	23.00		17.00		16.50		19.80
	802.11n-HT40 MCS0	38	5190	17.61	19.50	17.27	19.00	20.45	22.30		17.00		16.50		19.80
		46	5230	17.51	19.50	16.94	18.50	20.24	22.00		17.00		16.50		19.80
	802.11ac-VHT20 MCS0	36	5180	18.40	20.00	18.06	20.00	21.24	23.00		17.00		16.50		19.80
		40	5200	18.39	20.00	18.00	19.50	21.21	22.80		17.00		16.50		19.80
		44	5220	18.40	20.00	17.88	19.50	21.16	22.80		17.00		16.50		19.80
		48	5240	18.36	20.00	18.12	20.00	21.25	23.00		17.00		16.50		19.80
	802.11ac-VHT40 MCS0	38	5190	17.65	19.50	17.34	19.00	20.51	22.30		17.00		16.50		19.80
		46	5230	17.56	19.50	17.00	18.50	20.30	22.00		17.00		16.50		19.80
	802.11ac-VHT80 MCS0	42	5210	17.35	19.00	17.13	19.00	20.25	22.00	15.48	17.00	14.95	16.50	18.23	19.80
	802.11ax-HE20 MCS0	36	5180	18.48	20.00	18.07	20.00	21.29	23.00	Not Required	17.00	Not Required	16.50	Not Required	19.80
		40	5200	18.44	20.00	18.08	20.00	21.27	23.00		17.00		16.50		19.80
		44	5220	18.48	20.00	17.95	19.50	21.23	22.80		17.00		16.50		19.80
		48	5240	18.39	20.00	18.16	20.00	21.29	23.00		17.00		16.50		19.80
	802.11ax-HE40 MCS0	38	5190	17.71	19.50	17.38	19.00	20.56	22.30		17.00		16.50		19.80
		46	5230	17.60	19.50	17.04	19.00	20.34	22.30		17.00		16.50		19.80
	802.11ax-HE80 MCS0	42	5210	17.41	19.00	17.18	19.00	20.31	22.00		17.00		16.50		19.80

				Ant 8 Head Standalone DBS only Body-Worn&Extremity Simultaneous DBS		Ant 10 Head Standalone DBS only Body-Worn&Extremity Simultaneous DBS		Ant 8+10 Head Standalone DBS only Body-Worn&Extremity Simultaneous DBS		Ant 8 Head Simultaneous Non DBS		Ant 10 Head Simultaneous Non DBS		Ant 8+10 Head Simultaneous Non DBS		Ant 8 Head Simultaneous DBS	
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit
5.2GHz WLAN	802.11a 6Mbps	36	5180	Not Required	14.00	Not Required	13.50	Not Required	16.80	Not Required	13.00	Not Required	12.00	Not Required	15.50	Not Required	10.00
		40	5200		14.00		13.50		16.80		13.00		12.00		15.50		10.00
		44	5220		14.00		13.50		16.80		13.00		12.00		15.50		10.00
		48	5240		14.00		13.50		16.80		13.00		12.00		15.50		10.00
	802.11n-HT20 MCS0	36	5180		14.00		13.50		16.80		13.00		12.00		15.50		10.00
		40	5200		14.00		13.50		16.80		13.00		12.00		15.50		10.00
		44	5220		14.00		13.50		16.80		13.00		12.00		15.50		10.00
		48	5240		14.00		13.50		16.80		13.00		12.00		15.50		10.00
	802.11n-HT40 MCS0	38	5190		14.00		13.50		16.80		13.00		12.00		15.50		10.00
		46	5230		14.00		13.50		16.80		13.00		12.00		15.50		10.00
	802.11ac-VHT20 MCS0	36	5180		14.00		13.50		16.80		13.00		12.00		15.50		10.00
		40	5200		14.00		13.50		16.80		13.00		12.00		15.50		10.00
		44	5220		14.00		13.50		16.80		13.00		12.00		15.50		10.00
		48	5240		14.00		13.50		16.80		13.00		12.00		15.50		10.00
	802.11ac-VHT40 MCS0	38	5190		14.00		13.50		16.80		13.00		12.00		15.50		10.00
		46	5230		14.00		13.50		16.80		13.00		12.00		15.50		10.00
	802.11ac-VHT80 MCS0	42	5210	12.55	14.00	12.06	13.50	15.32	16.80	11.41	13.00	10.62	12.00	14.04	15.50	8.66	10.00

	802.11ax-HE20 MCS0	36	5180	Not Required	14.00	Not Required	13.50	Not Required	16.80	Not Required	13.00	Not Required	12.00	Not Required	15.50	Not Required	10.00
		40	5200		14.00		13.50		16.80		13.00		12.00		15.50		10.00
		44	5220		14.00		13.50		16.80		13.00		12.00		15.50		10.00
		48	5240		14.00		13.50		16.80		13.00		12.00		15.50		10.00
	802.11ax-HE40 MCS0	38	5190		14.00		13.50		16.80		13.00		12.00		15.50		10.00
		46	5230		14.00		13.50		16.80		13.00		12.00		15.50		10.00
	802.11ax-HE80 MCS0	42	5210		14.00		13.50		16.80		13.00		12.00		15.50		10.00

				Ant 10 Head Simultaneous DBS		Ant 8+10 Head Simultaneous DBS		Ant 8 Hotspot Standalone Non DBS		Ant 10 Hotspot Standalone Non DBS		Ant 8+10 Hotspot Standalone Non DBS		Ant 8 Hotspot Standalone DBS only		Ant 10 Hotspot Standalone DBS only	
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit
5.2GHz WLAN	802.11a 6Mbps	36	5180	Not Required	10.00	Not Required	13.00	18.39	20.00	17.80	19.50	21.12	22.80	Not Required	16.50	Not Required	16.00
		40	5200		10.00		13.00	18.36	20.00	17.93	19.50	21.15	22.80		16.50		16.00
		44	5220		10.00		13.00	18.38	20.00	17.88	19.50	21.14	22.80		16.50		16.00
		48	5240		10.00		13.00	18.25	20.00	17.98	19.50	21.12	22.80		16.50		16.00
	802.11n-HT20 MCS0	36	5180		10.00		13.00	Not Required	20.00	Not Required	19.50	Not Required	22.80		16.50		16.00
		40	5200		10.00		13.00		20.00		19.50		22.80		16.50		16.00
		44	5220		10.00		13.00		20.00		19.50		22.80		16.50		16.00
		48	5240		10.00		13.00		20.00		19.50		22.80		16.50		16.00
	802.11n-HT40 MCS0	38	5190		10.00		13.00		19.50		19.00		22.30		16.50		16.00
		46	5230		10.00		13.00		19.50		18.50		22.00		16.50		16.00
	802.11ac-VHT20 MCS0	36	5180		10.00		13.00		20.00		19.50		22.80		16.50		16.00
		40	5200		10.00		13.00		20.00		19.50		22.80		16.50		16.00
		44	5220		10.00		13.00		20.00		19.50		22.80		16.50		16.00
		48	5240		10.00		13.00		20.00		19.50		22.80		16.50		16.00
	802.11ac-VHT40 MCS0	38	5190		10.00		13.00		19.50		19.00		22.30		16.50		16.00
		46	5230		10.00		13.00		19.50		18.50		22.00		16.50		16.00
	802.11ac-VHT80 MCS0	42	5210	8.43	10.00	11.56	13.00		19.00		19.00		22.00	15.07	16.50	14.56	16.00
	802.11ax-HE20 MCS0	36	5180	Not Required	10.00	Not Required	13.00		20.00		19.50		22.80	Not Required	16.50	Not Required	16.00
		40	5200		10.00		13.00		20.00		19.50		22.80		16.50		16.00
		44	5220		10.00		13.00		20.00		19.50		22.80		16.50		16.00
		48	5240		10.00		13.00		20.00		19.50		22.80		16.50		16.00
	802.11ax-HE40 MCS0	38	5190		10.00		13.00		19.50		19.00		22.30		16.50		16.00
		46	5230		10.00		13.00		19.50		19.00		22.30		16.50		16.00
	802.11ax-HE80 MCS0	42	5210		10.00		13.00		19.00		19.00		22.00		16.50		16.00

				Ant 8+10 Hotspot Standalone DBS only		Ant 8 Hotspot Simultaneous Non DBS		Ant 10 Hotspot Simultaneous Non DBS		Ant 8+10 Hotspot Simultaneous Non DBS		Ant 8 Hotspot Simultaneous DBS		Ant 10 Hotspot Simultaneous DBS	
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit
5.2GHz WLAN	802.11a 6Mbps	36	5180	Not Required	19.30	Not Required	15.00	Not Required	14.50	Not Required	17.80	Not Required	12.00	Not Required	11.50
		40	5200		19.30		15.00		14.50		17.80		12.00		11.50
		44	5220		19.30		15.00		14.50		17.80		12.00		11.50
		48	5240		19.30		15.00		14.50		17.80		12.00		11.50
	802.11n-HT20 MCS0	36	5180		19.30		15.00		14.50		17.80		12.00		11.50
		40	5200		19.30		15.00		14.50		17.80		12.00		11.50
		44	5220		19.30		15.00		14.50		17.80		12.00		11.50
		48	5240		19.30		15.00		14.50		17.80		12.00		11.50
	802.11n-HT40 MCS0	38	5190		19.30		15.00		14.50		17.80		12.00		11.50
		46	5230		19.30		15.00		14.50		17.80		12.00		11.50
	802.11ac-VHT20 MCS0	36	5180		19.30		15.00		14.50		17.80		12.00		11.50
		40	5200		19.30		15.00		14.50		17.80		12.00		11.50

		44	5220		19.30		15.00		14.50		17.80		12.00		11.50
		48	5240		19.30		15.00		14.50		17.80		12.00		11.50
	802.11ac-VHT40 MCS0	38	5190		19.30		15.00		14.50		17.80		12.00		11.50
		46	5230		19.30		15.00		14.50		17.80		12.00		11.50
	802.11ac-VHT80 MCS0	42	5210	17.83	19.30	13.61	15.00	12.98	14.50	16.32	17.80	10.72	12.00	10.09	11.50
	802.11ax-HE20 MCS0	36	5180	Not Required	19.30	Not Required	15.00	Not Required	14.50	Not Required	17.80	Not Required	12.00	Not Required	11.50
		40	5200		19.30		15.00		14.50		17.80		12.00		11.50
		44	5220		19.30		15.00		14.50		17.80		12.00		11.50
		48	5240		19.30		15.00		14.50		17.80		12.00		11.50
	802.11ax-HE40 MCS0	38	5190		19.30		15.00		14.50		17.80		12.00		11.50
		46	5230		19.30		15.00		14.50		17.80		12.00		11.50
	802.11ax-HE80 MCS0	42	5210		19.30		15.00		14.50		17.80		12.00		11.50

				Ant 8+10 Hotspot Simultaneous DBS		Ant 8 Body-Worn&Extremity Standalone DBS only		Ant 10 Body-Worn&Extremity Standalone DBS only		Ant 8+10 Body-Worn&Extremity Standalone DBS only		Duty Cycle %
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.2GHz WLAN	802.11a 6Mbps	36	5180	Not Required	14.80	Not Required	18.50	Not Required	18.00	Not Required	21.30	99.32
		40	5200		14.80		18.50		18.00		21.30	
		44	5220		14.80		18.50		18.00		21.30	
		48	5240		14.80		18.50		18.00		21.30	
	802.11n-HT20 MCS0	36	5180		14.80		18.50		18.00		21.30	100.00
		40	5200		14.80		18.50		18.00		21.30	
		44	5220		14.80		18.50		18.00		21.30	
		48	5240		14.80		18.50		18.00		21.30	
	802.11n-HT40 MCS0	38	5190		14.80		18.50		18.00		21.30	100.00
		46	5230		14.80		18.50		18.00		21.30	
	802.11ac-VHT20 MCS0	36	5180		14.80		18.50		18.00		21.30	100.00
		40	5200		14.80		18.50		18.00		21.30	
		44	5220		14.80		18.50		18.00		21.30	
		48	5240		14.80		18.50		18.00		21.30	
	802.11ac-VHT40 MCS0	38	5190		14.80		18.50		18.00		21.30	100.00
		46	5230		14.80		18.50		18.00		21.30	
	802.11ac-VHT80 MCS0	42	5210	13.43	14.80	16.91	18.50	16.42	18.00	19.67	21.30	100.00
	802.11ax-HE20 MCS0	36	5180	Not Required	14.80	Not Required	18.50	Not Required	18.00	Not Required	21.30	100.00
		40	5200		14.80		18.50		18.00		21.30	
		44	5220		14.80		18.50		18.00		21.30	
		48	5240		14.80		18.50		18.00		21.30	
	802.11ax-HE40 MCS0	38	5190		14.80		18.50		18.00		21.30	100.00
		46	5230		14.80		18.50		18.00		21.30	
	802.11ax-HE80 MCS0	42	5210		14.80		18.50		18.00		21.30	100.00

<WLAN5.3GHz>

				Ant 8 Full Power Body-Worn&Extremity Standalone Non DBS		Ant 10 Full Power Body-Worn&Extremity Standalone Non DBS		Ant 8+10 Full Power Body-Worn&Extremity Standalone Non DBS		Ant 8 Head Standalone Non DBS Body-Worn&Extremity Simultaneous Non DBS		Ant 10 Head Standalone Non DBS Body-Worn&Extremity Simultaneous Non DBS		Ant 8+10 Head Standalone Non DBS Body-Worn&Extremity Simultaneous Non DBS	
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit
5.3GHz WLAN	802.11a 6Mbps	52	5260	19.57	21.50	18.53	20.50	22.09	24.00	Not Required	17.00	Not Required	16.50	Not Required	19.80
		56	5280	19.56	21.50	18.57	20.50	22.11	24.00		17.00		16.50		19.80
		60	5300	19.49	21.00	17.98	19.50	21.81	23.30		17.00		16.50		19.80
		64	5320	19.77	21.50	18.68	20.50	22.27	24.00		17.00		16.50		19.80
	802.11n-HT20 MCS0	52	5260	18.17	20.00	16.82	18.50	20.56	22.30		17.00		16.50		19.80
		56	5280	18.08	20.00	16.80	18.50	20.50	22.30		17.00		16.50		19.80
		60	5300	18.30	20.00	16.63	18.50	20.56	22.30		17.00		16.50		19.80
		64	5320	17.97	19.50	16.59	18.50	20.34	22.00		17.00		16.50		19.80
	802.11n-HT40 MCS0	54	5270	17.64	19.50	16.52	18.50	20.13	22.00		17.00		16.50		19.80
		62	5310	17.90	19.50	16.38	18.00	20.22	21.80		17.00		16.50		19.80
	802.11ac-VHT20 MCS0	52	5260	18.20	20.00	16.87	18.50	20.60	22.30		17.00		16.50		19.80
		56	5280	18.15	20.00	16.87	18.50	20.57	22.30		17.00		16.50		19.80
		60	5300	18.37	20.00	16.69	18.50	20.62	22.30		17.00		16.50		19.80
		64	5320	18.04	20.00	16.64	18.50	20.41	22.30		17.00		16.50		19.80
	802.11ac-VHT40 MCS0	54	5270	17.67	19.50	16.56	18.50	20.16	22.00		17.00		16.50		19.80
		62	5310	17.95	19.50	16.43	18.00	20.27	21.80		17.00		16.50		19.80
	802.11ac-VHT80 MCS0	58	5290	17.43	19.00	16.56	18.50	20.03	21.80		17.00		16.50		19.80
	802.11ac-VHT160 MCS0	50	5250	16.58	18.50	15.79	17.50	19.21	21.00	15.51	17.00	14.80	16.50	18.13	19.80
	802.11ax-HE20 MCS0	52	5260	18.24	20.00	16.96	18.50	20.66	22.30	Not Required	17.00	Not Required	16.50	Not Required	19.80
		56	5280	18.21	20.00	16.93	18.50	20.63	22.30		17.00		16.50		19.80
		60	5300	18.42	20.00	16.77	18.50	20.68	22.30		17.00		16.50		19.80
		64	5320	18.09	20.00	16.73	18.50	20.47	22.30		17.00		16.50		19.80
	802.11ax-HE40 MCS0	54	5270	17.72	19.50	16.59	18.50	20.20	22.00		17.00		16.50		19.80
		62	5310	17.98	19.50	16.48	18.00	20.30	21.80		17.00		16.50		19.80
	802.11ax-HE80 MCS0	58	5290	17.49	19.00	16.58	18.50	20.07	21.80		17.00		16.50		19.80
	802.11ax-HE160 MCS0	50	5250	16.60	18.50	15.80	17.50	19.23	21.00		17.00		16.5		19.80

				Ant 8 Head Standalone DBS only Body-Worn&Extremity Simultaneous DBS		Ant 10 Head Standalone DBS only Body-Worn&Extremity Simultaneous DBS		Ant 8+10 Head Standalone DBS only Body-Worn&Extremity Simultaneous DBS		Ant 8 Head Simultaneous Non DBS		Ant 10 Head Simultaneous Non DBS		Ant 8+10 Head Simultaneous Non DBS	
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit
5.3GHz WLAN	802.11a 6Mbps	52	5260	Not Required	14.00	Not Required	13.50	Not Required	16.80	Not Required	13.00	Not Required	12.00	Not Required	15.50
		56	5280		14.00		13.50		16.80		13.00		12.00		15.50
		60	5300		14.00		13.50		16.80		13.00		12.00		15.50
		64	5320		14.00		13.50		16.80		13.00		12.00		15.50
	802.11n-HT20 MCS0	52	5260		14.00		13.50		16.80		13.00		12.00		15.50
		56	5280		14.00		13.50		16.80		13.00		12.00		15.50
		60	5300		14.00		13.50		16.80		13.00		12.00		15.50
		64	5320		14.00		13.50		16.80		13.00		12.00		15.50
	802.11n-HT40 MCS0	54	5270		14.00		13.50		16.80		13.00		12.00		15.50
		62	5310		14.00		13.50		16.80		13.00		12.00		15.50
	802.11ac-VHT20 MCS0	52	5260		14.00		13.50		16.80		13.00		12.00		15.50
		56	5280		14.00		13.50		16.80		13.00		12.00		15.50
		60	5300		14.00		13.50		16.80		13.00		12.00		15.50
		64	5320		14.00		13.50		16.80		13.00		12.00		15.50

	802.11ac-VHT40 MCS0	54	5270		14.00		13.50		16.80		13.00		12.00		15.50
		62	5310		14.00		13.50		16.80		13.00		12.00		15.50
	802.11ac-VHT80 MCS0	58	5290		14.00		13.50		16.80		13.00		12.00		15.50
	802.11ac-VHT160 MCS0	50	5250	12.6	14.00	11.96	13.5	15.3	16.80	11.18	13.00	10.49	12.00	13.86	15.50
	802.11ax-HE20 MCS0	52	5260	Not Required	14.00	Not Required	13.50	Not Required	16.80	Not Required	13.00	Not Required	12.00	Not Required	15.50
		56	5280		14.00		13.50		16.80		13.00		12.00		15.50
		60	5300		14.00		13.50		16.80		13.00		12.00		15.50
		64	5320		14.00		13.50		16.80		13.00		12.00		15.50
	802.11ax-HE40 MCS0	54	5270		14.00		13.50		16.80		13.00		12.00		15.50
		62	5310		14.00		13.50		16.80		13.00		12.00		15.50
	802.11ax-HE80 MCS0	58	5290		14.00		13.50		16.80		13.00		12.00		15.50
	802.11ax-HE160 MCS0	50	5250		14.00		13.5		16.80		13.00		12.00		15.50

				Ant 8 Head Simultaneous DBS		Ant 10 Head Simultaneous DBS		Ant 8+10 Head Simultaneous DBS		Ant 8 Body-Worn&Extremity Standalone DBS only		Ant 10 Body-Worn&Extremity Standalone DBS only		Ant 8+10 Body-Worn&Extremity Standalone DBS only		Duty Cycle %
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.3GHz WLAN	802.11a 6Mbps	52	5260	Not Required	10.00	Not Required	10.00	Not Required	13.00	Not Required	18.50	Not Required	17.50	Not Required	21.00	99.32
		56	5280		10.00		10.00		13.00		18.50		17.50		21.00	
		60	5300		10.00		10.00		13.00		18.50		17.50		21.00	
		64	5320		10.00		10.00		13.00		18.50		17.50		21.00	
	802.11n-HT20 MCS0	52	5260		10.00		10.00		13.00		18.50		17.50		21.00	100.00
		56	5280		10.00		10.00		13.00		18.50		17.50		21.00	
		60	5300		10.00		10.00		13.00		18.50		17.50		21.00	
		64	5320		10.00		10.00		13.00		18.50		17.50		21.00	
	802.11n-HT40 MCS0	54	5270		10.00		10.00		13.00		18.50		17.50		21.00	100.00
		62	5310		10.00		10.00		13.00		18.50		17.50		21.00	
	802.11ac-VHT20 MCS0	52	5260		10.00		10.00		13.00		18.50		17.50		21.00	100.00
		56	5280		10.00		10.00		13.00		18.50		17.50		21.00	
		60	5300		10.00		10.00		13.00		18.50		17.50		21.00	
		64	5320		10.00		10.00		13.00		18.50		17.50		21.00	
	802.11ac-VHT40 MCS0	54	5270		10.00		10.00		13.00		18.50		17.50		21.00	100.00
		62	5310		10.00		10.00		13.00		18.50		17.50		21.00	
	802.11ac-VHT80 MCS0	58	5290		10.00		10.00		13.00		18.50		17.50		21.00	100.00
	802.11ac-VHT160 MCS0	50	5250	8.38	10.00	8.14	10.00	11.27	13.00	16.58	18.50	15.79	17.50	19.21	21.00	100
	802.11ax-HE20 MCS0	52	5260	Not Required	10.00	Not Required	10.00	Not Required	13.00	Not Required	18.50	Not Required	17.50	Not Required	21.00	100.00
		56	5280		10.00		10.00		13.00		18.50		17.50		21.00	
		60	5300		10.00		10.00		13.00		18.50		17.50		21.00	
		64	5320		10.00		10.00		13.00		18.50		17.50		21.00	
	802.11ax-HE40 MCS0	54	5270		10.00		10.00		13.00		18.50		17.50		21.00	100.00
		62	5310		10.00		10.00		13.00		18.50		17.50		21.00	
	802.11ax-HE80 MCS0	58	5290		10.00		10.00		13.00		18.50		17.50		21.00	100.00
	802.11ax-HE160 MCS0	50	5250		10.00		10		13.00		18.50		17.5		21.00	100

<WLAN5.5GHz>

				Ant 8 Full Power Body-Worn&Extremity Standalone Non DBS		Ant 10 Full Power Body-Worn&Extremity Standalone Non DBS		Ant 8+10 Full Power Body-Worn&Extremity Standalone Non DBS		Ant 8 Head Standalone Non DBS		Ant 10 Head Standalone Non DBS		Ant 8+10 Head Standalone Non DBS	
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit
5.5GHz WLAN	802.11a 6Mbps	100	5500	19.62	21.50	18.48	20.00	22.10	23.80	Not Required	17.50	Not Required	17.00	Not Required	20.30
		116	5580	19.85	21.50	18.73	20.50	22.34	24.00		17.50		17.00		20.30
		124	5620	19.62	21.50	18.75	20.50	22.22	24.00		17.50		17.00		20.30
		132	5660	19.56	21.50	18.97	20.50	22.29	24.00		17.50		17.00		20.30
		140	5700	19.52	21.50	18.74	20.50	22.16	24.00		17.50		17.00		20.30
		144	5720	19.63	21.50	19.15	21.00	22.41	24.30		17.50		17.00		20.30
	802.11n-HT20 MCS0	100	5500	18.19	20.00	16.80	18.50	20.56	22.30		17.50		17.00		20.30
		116	5580	18.28	20.00	17.26	19.00	20.81	22.50		17.50		17.00		20.30
		124	5620	18.53	20.50	17.81	19.50	21.20	23.00		17.50		17.00		20.30
		132	5660	18.44	20.00	17.89	19.50	21.18	22.80		17.50		17.00		20.30
		140	5700	18.30	20.00	17.85	19.50	21.09	22.80		17.50		17.00		20.30
		144	5720	18.45	20.00	18.36	20.00	21.42	23.00		17.50		17.00		20.30
	802.11n-HT40 MCS0	102	5510	17.44	19.00	16.28	18.00	19.91	21.50		17.50		17.00		20.30
		110	5550	17.48	19.00	16.36	18.00	19.97	21.50		17.50		17.00		20.30
		126	5630	17.75	19.50	17.19	19.00	20.49	22.30		17.50		17.00		20.30
		134	5670	17.81	19.50	17.18	19.00	20.52	22.30		17.50		17.00		20.30
		142	5710	17.48	19.00	17.05	19.00	20.28	22.00		17.50		17.00		20.30
	802.11ac-VHT20 MCS0	100	5500	18.26	20.00	16.86	18.50	20.63	22.30		17.50		17.00		20.30
		116	5580	18.32	20.00	17.31	19.00	20.85	22.50		17.50		17.00		20.30
		124	5620	18.60	20.00	17.85	19.50	21.25	22.80		17.50		17.00		20.30
		132	5660	18.51	20.50	17.96	19.50	21.25	23.00		17.50		17.00		20.30
		140	5700	18.37	20.00	17.89	19.50	21.15	22.80		17.50		17.00		20.30
		144	5720	18.50	20.00	18.40	20.00	21.46	23.00		17.50		17.00		20.30
	802.11ac-VHT40 MCS0	102	5510	17.50	19.00	16.35	18.00	19.97	21.50		17.50		17.00		20.30
		110	5550	17.55	19.50	16.42	18.00	20.03	21.80		17.50		17.00		20.30
		126	5630	17.79	19.50	17.25	19.00	20.54	22.30		17.50		17.00		20.30
		134	5670	17.86	19.50	17.20	19.00	20.55	22.30		17.50		17.00		20.30
		142	5710	17.54	19.50	17.08	19.00	20.33	22.30		17.50		17.00		20.30
	802.11ac-VHT80 MCS0	106	5530	17.42	19.00	16.45	18.00	19.97	21.50		17.50		17.00		20.30
		122	5610	17.39	19.00	16.94	18.50	20.18	21.80		17.50		17.00		20.30
		138	5690	17.27	19.00	16.89	18.50	20.09	21.80		17.50		17.00		20.30
	802.11ac-VHT160 MCS0	114	5570	16.93	18.50	15.95	17.50	19.48	21.00	16.14	17.50	15.37	17.00	18.72	20.30
	802.11ax-HE20 MCS0	100	5500	18.18	20.00	16.81	18.50	20.56	22.30	Not Required	17.50	Not Required	17.00	Not Required	20.30
		116	5580	18.24	20.00	17.27	19.00	20.79	22.50		17.50		17.00		20.30
		124	5620	18.51	20.50	17.76	19.50	21.16	23.00		17.50		17.00		20.30
		132	5660	18.45	20.00	17.87	19.50	21.18	22.80		17.50		17.00		20.30
		140	5700	18.28	20.00	17.83	19.50	21.07	22.80		17.50		17.00		20.30
		144	5720	18.46	20.00	18.34	20.00	21.41	23.00		17.50		17.00		20.30
	802.11ax-HE40 MCS0	102	5510	17.56	19.50	16.38	18.00	20.02	21.80		17.50		17.00		20.30
		110	5550	17.58	19.50	16.45	18.00	20.06	21.80		17.50		17.00		20.30
		126	5630	17.83	19.50	17.30	19.00	20.58	22.30		17.50		17.00		20.30
		134	5670	17.90	19.50	17.26	19.00	20.60	22.30		17.50		17.00		20.30
		142	5710	17.58	19.50	17.11	19.00	20.36	22.30		17.50		17.00		20.30
	802.11ax-HE80 MCS0	106	5530	17.48	19.00	16.50	18.00	20.03	21.50		17.50		17.00		20.30
		122	5610	17.42	19.00	16.97	18.50	20.21	21.80		17.50		17.00		20.30
		138	5690	17.32	19.00	16.92	18.50	20.13	21.80		17.50		17.00		20.30
	802.11ax-HE160 MCS0	114	5570	16.98	19.50	15.98	17.50	19.52	21.60		17.50		17.00		20.30

				Ant 8 Head Standalone DBS only		Ant 10 Head Standalone DBS only		Ant 8+10 Head Standalone DBS only		Ant 8 Head Simultaneous Non DBS		Ant 10 Head Simultaneous Non DBS		Ant 8+10 Head Simultaneous Non DBS		Ant 8 Head Simultaneous DBS	
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit
5.5GHz WLAN	802.11a 6Mbps	100	5500	Not Required	14.50	Not Required	14.00	Not Required	17.30	Not Required	13.50	Not Required	12.50	Not Required	16.00	Not Required	10.00
		116	5580		14.50		14.00		17.30		13.50		12.50		16.00		10.00
		124	5620		14.50		14.00		17.30		13.50		12.50		16.00		10.00
		132	5660		14.50		14.00		17.30		13.50		12.50		16.00		10.00
		140	5700		14.50		14.00		17.30		13.50		12.50		16.00		10.00
		144	5720		14.50		14.00		17.30		13.50		12.50		16.00		10.00
	802.11n-HT20 MCS0	100	5500		14.50		14.00		17.30		13.50		12.50		16.00		10.00
		116	5580		14.50		14.00		17.30		13.50		12.50		16.00		10.00
		124	5620		14.50		14.00		17.30		13.50		12.50		16.00		10.00
		132	5660		14.50		14.00		17.30		13.50		12.50		16.00		10.00
		140	5700		14.50		14.00		17.30		13.50		12.50		16.00		10.00
		144	5720		14.50		14.00		17.30		13.50		12.50		16.00		10.00
	802.11n-HT40 MCS0	102	5510		14.50		14.00		17.30		13.50		12.50		16.00		10.00
		110	5550		14.50		14.00		17.30		13.50		12.50		16.00		10.00
		126	5630		14.50		14.00		17.30		13.50		12.50		16.00		10.00
		134	5670		14.50		14.00		17.30		13.50		12.50		16.00		10.00
		142	5710		14.50		14.00		17.30		13.50		12.50		16.00		10.00
	802.11ac-VHT20 MCS0	100	5500		14.50		14.00		17.30		13.50		12.50		16.00		10.00
		116	5580		14.50		14.00		17.30		13.50		12.50		16.00		10.00
		124	5620		14.50		14.00		17.30		13.50		12.50		16.00		10.00
		132	5660		14.50		14.00		17.30		13.50		12.50		16.00		10.00
		140	5700		14.50		14.00		17.30		13.50		12.50		16.00		10.00
		144	5720		14.50		14.00		17.30		13.50		12.50		16.00		10.00
	802.11ac-VHT40 MCS0	102	5510		14.50		14.00		17.30		13.50		12.50		16.00		10.00
		110	5550		14.50		14.00		17.30		13.50		12.50		16.00		10.00
		126	5630		14.50		14.00		17.30		13.50		12.50		16.00		10.00
		134	5670		14.50		14.00		17.30		13.50		12.50		16.00		10.00
		142	5710		14.50		14.00		17.30		13.50		12.50		16.00		10.00
	802.11ac-VHT80 MCS0	106	5530		14.50		14.00		17.30		13.50		12.50		16.00		10.00
		122	5610		14.50		14.00		17.30		13.50		12.50		16.00		10.00
		138	5690		14.50		14.00		17.30		13.50		12.50		16.00		10.00
	802.11ac-VHT160 MCS0	114	5570	13.07	14.50	12.32	14.00	15.72	17.30	11.76	13.50	10.96	12.50	14.39	16.00	8.68	10.00
	802.11ax-HE20 MCS0	100	5500	Not Required	14.50	Not Required	14.00	Not Required	17.30	Not Required	13.50	Not Required	12.50	Not Required	16.00	Not Required	10.00
		116	5580		14.50		14.00		17.30		13.50		12.50		16.00		10.00
		124	5620		14.50		14.00		17.30		13.50		12.50		16.00		10.00
		132	5660		14.50		14.00		17.30		13.50		12.50		16.00		10.00
		140	5700		14.50		14.00		17.30		13.50		12.50		16.00		10.00
		144	5720		14.50		14.00		17.30		13.50		12.50		16.00		10.00
	802.11ax-HE40 MCS0	102	5510		14.50		14.00		17.30		13.50		12.50		16.00		10.00
		110	5550		14.50		14.00		17.30		13.50		12.50		16.00		10.00
		126	5630		14.50		14.00		17.30		13.50		12.50		16.00		10.00
		134	5670		14.50		14.00		17.30		13.50		12.50		16.00		10.00
		142	5710		14.50		14.00		17.30		13.50		12.50		16.00		10.00
	802.11ax-HE80 MCS0	106	5530		14.50		14.00		17.30		13.50		12.50		16.00		10.00
		122	5610		14.50		14.00		17.30		13.50		12.50		16.00		10.00
		138	5690		14.50		14.00		17.30		13.50		12.50		16.00		10.00
	802.11ax-HE160 MCS0	114	5570		14.50		14.00		17.30		13.50		12.50		16.00		10.00

				Ant 10 Head Simultaneous DBS		Ant 8+10 Head Simultaneous DBS		Ant 8 Body-Worn&Extremity Standalone DBS only		Ant 10 Body-Worn&Extremity Standalone DBS only		Ant 8+10 Body-Worn&Extremity Standalone DBS only		Ant 8 Body-Worn&Extremity Simultaneous Non DBS	
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit
5.5GHz WLAN	802.11a 6Mbps	100	5500	Not Required	10.00	Not Required	13.00	Not Required	18.50	Not Required	17.50	Not Required	21.00	Not Required	17.00
		116	5580		10.00		13.00		18.50		17.50		21.00		17.00
		124	5620		10.00		13.00		18.50		17.50		21.00		17.00
		132	5660		10.00		13.00		18.50		17.50		21.00		17.00
		140	5700		10.00		13.00		18.50		17.50		21.00		17.00
		144	5720		10.00		13.00		18.50		17.50		21.00		17.00
	802.11n-HT20 MCS0	100	5500		10.00		13.00		18.50		17.50		21.00		17.00
		116	5580		10.00		13.00		18.50		17.50		21.00		17.00
		124	5620		10.00		13.00		18.50		17.50		21.00		17.00
		132	5660		10.00		13.00		18.50		17.50		21.00		17.00
		140	5700		10.00		13.00		18.50		17.50		21.00		17.00
		144	5720		10.00		13.00		18.50		17.50		21.00		17.00
	802.11n-HT40 MCS0	102	5510		10.00		13.00		18.50		17.50		21.00		17.00
		110	5550		10.00		13.00		18.50		17.50		21.00		17.00
		126	5630		10.00		13.00		18.50		17.50		21.00		17.00
		134	5670		10.00		13.00		18.50		17.50		21.00		17.00
		142	5710		10.00		13.00		18.50		17.50		21.00		17.00
	802.11ac-VHT20 MCS0	100	5500		10.00		13.00		18.50		17.50		21.00		17.00
		116	5580		10.00		13.00		18.50		17.50		21.00		17.00
		124	5620		10.00		13.00		18.50		17.50		21.00		17.00
		132	5660		10.00		13.00		18.50		17.50		21.00		17.00
		140	5700		10.00		13.00		18.50		17.50		21.00		17.00
		144	5720		10.00		13.00		18.50		17.50		21.00		17.00
	802.11ac-VHT40 MCS0	102	5510		10.00		13.00		18.50		17.50		21.00		17.00
		110	5550		10.00		13.00		18.50		17.50		21.00		17.00
		126	5630		10.00		13.00		18.50		17.50		21.00		17.00
		134	5670		10.00		13.00		18.50		17.50		21.00		17.00
		142	5710		10.00		13.00		18.50		17.50		21.00		17.00
	802.11ac-VHT80 MCS0	106	5530		10.00		13.00		18.50		17.50		21.00		17.00
		122	5610		10.00		13.00		18.50		17.50		21.00		17.00
		138	5690		10.00		13.00		18.50		17.50		21.00		17.00
	802.11ac-VHT160 MCS0	114	5570	8.44	10.00	11.57	13.00	16.93	18.50	15.95	17.50	19.48	21.00	15.56	17.00
	802.11ax-HE20 MCS0	100	5500	Not Required	10.00	Not Required	13.00	Not Required	18.50	Not Required	17.50	Not Required	21.00	Not Required	17.00
		116	5580		10.00		13.00		18.50		17.50		21.00		17.00
		124	5620		10.00		13.00		18.50		17.50		21.00		17.00
		132	5660		10.00		13.00		18.50		17.50		21.00		17.00
		140	5700		10.00		13.00		18.50		17.50		21.00		17.00
		144	5720		10.00		13.00		18.50		17.50		21.00		17.00
	802.11ax-HE40 MCS0	102	5510		10.00		13.00		18.50		17.50		21.00		17.00
		110	5550		10.00		13.00		18.50		17.50		21.00		17.00
		126	5630		10.00		13.00		18.50		17.50		21.00		17.00
		134	5670		10.00		13.00		18.50		17.50		21.00		17.00
		142	5710		10.00		13.00		18.50		17.50		21.00		17.00
	802.11ax-HE80 MCS0	106	5530		10.00		13.00		18.50		17.50		21.00		17.00
		122	5610		10.00		13.00		18.50		17.50		21.00		17.00
		138	5690		10.00		13.00		18.50		17.50		21.00		17.00
	802.11ax-HE160 MCS0	114	5570		10.00		13.00		18.50		17.50		21.00		17.00

				Ant 10 Body-Worn&Extremity Simultaneous Non DBS		Ant 8+10 Body-Worn&Extremity Simultaneous Non DBS		Ant 8 Body-Worn&Extremity Simultaneous DBS		Ant 10 Body-Worn&Extremity Simultaneous DBS		Ant 8+10 Body-Worn&Extremity Simultaneous DBS		Duty Cycle %
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.5GHz WLAN	802.11a 6Mbps	100	5500	Not Required	16.50	Not Required	19.80	Not Required	14.00	Not Required	13.50	Not Required	16.80	99.32
		116	5580		16.50		19.80		14.00		13.50		16.80	
		124	5620		16.50		19.80		14.00		13.50		16.80	
		132	5660		16.50		19.80		14.00		13.50		16.80	
		140	5700		16.50		19.80		14.00		13.50		16.80	
		144	5720		16.50		19.80		14.00		13.50		16.80	
	802.11n-HT20 MCS0	100	5500		16.50		19.80		14.00		13.50		16.80	100.00
		116	5580		16.50		19.80		14.00		13.50		16.80	
		124	5620		16.50		19.80		14.00		13.50		16.80	
		132	5660		16.50		19.80		14.00		13.50		16.80	
		140	5700		16.50		19.80		14.00		13.50		16.80	
		144	5720		16.50		19.80		14.00		13.50		16.80	
	802.11n-HT40 MCS0	102	5510		16.50		19.80		14.00		13.50		16.80	100.00
		110	5550		16.50		19.80		14.00		13.50		16.80	
		126	5630		16.50		19.80		14.00		13.50		16.80	
		134	5670		16.50		19.80		14.00		13.50		16.80	
		142	5710		16.50		19.80		14.00		13.50		16.80	
	802.11ac-VHT20 MCS0	100	5500		16.50		19.80		14.00		13.50		16.80	100.00
		116	5580		16.50		19.80		14.00		13.50		16.80	
		124	5620		16.50		19.80		14.00		13.50		16.80	
		132	5660		16.50		19.80		14.00		13.50		16.80	
		140	5700		16.50		19.80		14.00		13.50		16.80	
		144	5720		16.50		19.80		14.00		13.50		16.80	
	802.11ac-VHT40 MCS0	102	5510		16.50		19.80		14.00		13.50		16.80	100.00
		110	5550		16.50		19.80		14.00		13.50		16.80	
		126	5630		16.50		19.80		14.00		13.50		16.80	
		134	5670		16.50		19.80		14.00		13.50		16.80	
		142	5710		16.50		19.80		14.00		13.50		16.80	
	802.11ac-VHT80 MCS0	106	5530		16.50		19.80		14.00		13.50		16.80	100.00
		122	5610		16.50		19.80		14.00		13.50		16.80	
		138	5690		16.50		19.80		14.00		13.50		16.80	
	802.11ac-VHT160 MCS0	114	5570	14.78	16.50	18.20	19.80	12.50	14.00	12.01	13.50	15.27	16.80	100.00
	802.11ax-HE20 MCS0	100	5500	Not Required	16.50	Not Required	19.80	Not Required	14.00	Not Required	13.50	Not Required	16.80	100.00
		116	5580		16.50		19.80		14.00		13.50		16.80	
		124	5620		16.50		19.80		14.00		13.50		16.80	
		132	5660		16.50		19.80		14.00		13.50		16.80	
		140	5700		16.50		19.80		14.00		13.50		16.80	
		144	5720		16.50		19.80		14.00		13.50		16.80	
	802.11ax-HE40 MCS0	102	5510		16.50		19.80		14.00		13.50		16.80	100.00
		110	5550		16.50		19.80		14.00		13.50		16.80	
		126	5630		16.50		19.80		14.00		13.50		16.80	
		134	5670		16.50		19.80		14.00		13.50		16.80	
		142	5710		16.50		19.80		14.00		13.50		16.80	
	802.11ax-HE80 MCS0	106	5530		16.50		19.80		14.00		13.50		16.80	100.00
		122	5610		16.50		19.80		14.00		13.50		16.80	
		138	5690		16.50		19.80		14.00		13.50		16.80	
	802.11ax-HE160 MCS0	114	5570		16.50		19.80		14.00		13.50		16.80	100.00

<WLAN5.8GHz>

				Ant 8 Full Power BodyWorn&Extremity Standalone Non DBS		Ant 10 Full Power BodyWorn&Extremity Standalone Non DBS		Ant 8+10 Full Power BodyWorn&Extremity Standalone Non DBS		Ant 8 Head Standalone Non DBS Body-Worn&Extremity Standalone DBS only		Ant 10 Head Standalone Non DBS Body-Worn&Extremity Standalone DBS only		Ant 8+10 Head Standalone Non DBS Body-Worn&Extremity Standalone DBS only	
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit
5.8GHz WLAN	802.11a 6Mbps	149	5745	19.62	21.50	19.25	21.00	22.45	24.30	Not Required	17.50	Not Required	17.00	Not Required	20.30
		157	5785	19.62	21.50	18.61	20.50	22.16	24.00		17.50		17.00		20.30
		165	5825	19.64	21.50	18.94	20.50	22.32	24.00		17.50		17.00		20.30
	802.11n-HT20 MCS0	149	5745	18.54	20.00	18.45	20.00	21.51	23.00		17.50		17.00		20.30
		157	5785	18.43	20.00	17.65	19.50	21.07	22.80		17.50		17.00		20.30
		165	5825	18.55	20.00	18.07	20.00	21.33	23.00		17.50		17.00		20.30
	802.11n-HT40 MCS0	151	5755	17.53	19.50	16.64	18.50	20.12	22.00		17.50		17.00		20.30
		159	5795	17.53	19.50	17.03	18.50	20.30	22.00		17.50		17.00		20.30
	802.11ac-VHT20 MCS0	149	5745	18.58	20.00	18.52	20.00	21.56	23.00		17.50		17.00		20.30
		157	5785	18.50	20.00	17.70	19.50	21.13	22.80		17.50		17.00		20.30
		165	5825	18.59	20.00	18.14	20.00	21.38	23.00		17.50		17.00		20.30
	802.11ac-VHT40 MCS0	151	5755	17.55	19.50	16.66	18.50	20.14	22.00		17.50		17.00		20.30
		159	5795	17.59	19.50	17.09	19.00	20.36	22.30		17.50		17.00		20.30
	802.11ac-VHT80 MCS0	155	5775	17.29	19.00	16.30	18.00	19.83	21.50	15.81	17.50	15.39	17.00	18.62	20.30
	802.11ax-HE20 MCS0	149	5745	18.42	20.00	18.37	20.00	21.41	23.00	Not Required	17.50	Not Required	17.00	Not Required	20.30
		157	5785	18.32	20.00	17.58	19.50	20.98	22.80		17.50		17.00		20.30
		165	5825	18.44	20.00	17.99	19.50	21.23	22.80		17.50		17.00		20.30
	802.11ax-HE40 MCS0	151	5755	17.59	19.50	16.70	18.50	20.18	22.00		17.50		17.00		20.30
		159	5795	17.65	19.50	17.15	19.00	20.42	22.30		17.50		17.00		20.30
	802.11ax-HE80 MCS0	155	5775	17.31	19.00	16.32	18.00	19.85	21.50		17.50		17.00		20.30

				Ant 8 Head Standalone DBS only&Hotspot Simultaneous Non DBS		Ant 810 Head Standalone DBS only&Hotspot Simultaneous Non DBS		Ant 8 +10 Head Standalone DBS only&Hotspot Simultaneous Non DBS		Ant 8 Head Simultaneous Non DBS Body-Worn&Extremity Simultaneous DBS		Ant 10 Head Simultaneous Non DBS Body-Worn&Extremity Simultaneous DBS		Ant 8+10 Head Simultaneous Non DBS Body-Worn&Extremity Simultaneous DBS	
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit
5.8GHz WLAN	802.11a 6Mbps	149	5745	Not Required	14.50	Not Required	14.00	Not Required	17.30	Not Required	13.00	Not Required	12.50	Not Required	15.80
		157	5785		14.50		14.00		17.30		13.00		12.50		15.80
		165	5825		14.50		14.00		17.30		13.00		12.50		15.80
	802.11n-HT20 MCS0	149	5745		14.50		14.00		17.30		13.00		12.50		15.80
		157	5785		14.50		14.00		17.30		13.00		12.50		15.80
		165	5825		14.50		14.00		17.30		13.00		12.50		15.80
	802.11n-HT40 MCS0	151	5755		14.50		14.00		17.30		13.00		12.50		15.80
		159	5795		14.50		14.00		17.30		13.00		12.50		15.80
	802.11ac-VHT20 MCS0	149	5745		14.50		14.00		17.30		13.00		12.50		15.80
		157	5785		14.50		14.00		17.30		13.00		12.50		15.80
		165	5825		14.50		14.00		17.30		13.00		12.50		15.80
	802.11ac-VHT40 MCS0	151	5755		14.50		14.00		17.30		13.00		12.50		15.80
		159	5795		14.50		14.00		17.30		13.00		12.50		15.80
	802.11ac-VHT80 MCS0	155	5775	12.81	14.50	12.58	14.00	15.71	17.30	11.43	13.00	10.96	12.50	14.21	15.80
	802.11ax-HE20 MCS0	149	5745	Not Required	14.50	Not Required	14.00	Not Required	17.30	Not Required	13.00	Not Required	12.50	Not Required	15.80
		157	5785		14.50		14.00		17.30		13.00		12.50		15.80
		165	5825		14.50		14.00		17.30		13.00		12.50		15.80
	802.11ax-HE40 MCS0	151	5755		14.50		14.00		17.30		13.00		12.50		15.80
		159	5795		14.50		14.00		17.30		13.00		12.50		15.80
	802.11ax-HE80 MCS0	155	5775		14.50		14.00		17.30		13.00		12.50		15.80

				Ant 8 Head Simultaneous DBS		Ant 10 Head Simultaneous DBS		Ant 8+10 Head Simultaneous DBS		Ant 8 Hotspot Standalone DBS only Body-Worn&Extremity Simultaneous Non DBS		Ant 10 Hotspot Standalone DBS only Body-Worn&Extremity Simultaneous Non DBS		Ant 8+10 Hotspot Standalone DBS only Body-Worn&Extremity Simultaneous Non DBS	
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit
5.8GHz WLAN	802.11a 6Mbps	149	5745	Not Required	10.50	Not Required	10.00	Not Required	13.30	Not Required	16.50	Not Required	15.50	Not Required	19.00
		157	5785		10.50		10.00		13.30		16.50		15.50		19.00
		165	5825		10.50		10.00		13.30		16.50		15.50		19.00
	802.11n-HT20 MCS0	149	5745		10.50		10.00		13.30		16.50		15.50		19.00
		157	5785		10.50		10.00		13.30		16.50		15.50		19.00
		165	5825		10.50		10.00		13.30		16.50		15.50		19.00
	802.11n-HT40 MCS0	151	5755		10.50		10.00		13.30		16.50		15.50		19.00
		159	5795		10.50		10.00		13.30		16.50		15.50		19.00
	802.11ac-VHT20 MCS0	149	5745		10.50		10.00		13.30		16.50		15.50		19.00
		157	5785		10.50		10.00		13.30		16.50		15.50		19.00
		165	5825		10.50		10.00		13.30		16.50		15.50		19.00
	802.11ac-VHT40 MCS0	151	5755		10.50		10.00		13.30		16.50		15.50		19.00
		159	5795		10.50		10.00		13.30		16.50		15.50		19.00
	802.11ac-VHT80 MCS0	155	5775	8.65	10.50	8.19	10.00	11.44	13.30	14.75	16.50	13.88	15.50	17.35	19.00
	802.11ax-HE20 MCS0	149	5745	Not Required	10.50	Not Required	10.00	Not Required	13.30	Not Required	16.50	Not Required	15.50	Not Required	19.00
		157	5785		10.50		10.00		13.30		16.50		15.50		19.00
		165	5825		10.50		10.00		13.30		16.50		15.50		19.00
	802.11ax-HE40 MCS0	151	5755		10.50		10.00		13.30		16.50		15.50		19.00
		159	5795		10.50		10.00		13.30		16.50		15.50		19.00
	802.11ax-HE80 MCS0	155	5775		10.50		10.00		13.30		16.50		15.50		19.00

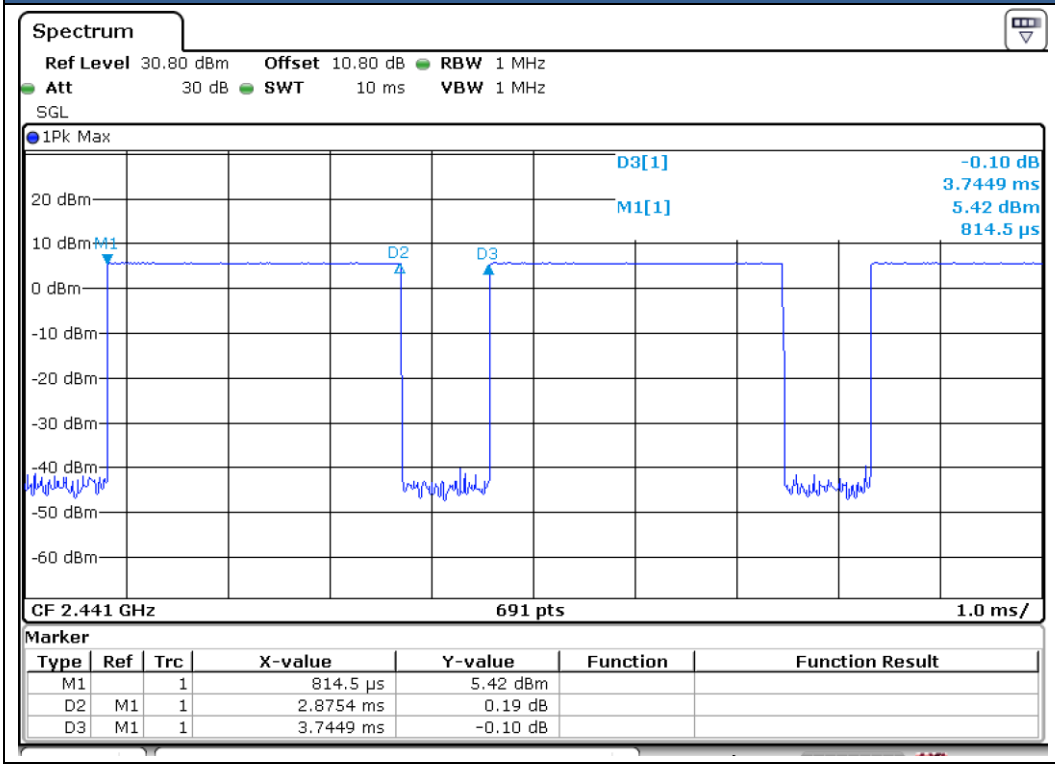
				Ant 8 Hotspot Standalone Non DBS		Ant 10 Hotspot Standalone Non DBS		Ant 8+10 Hotspot Standalone Non DBS		Ant 8 Hotspot Simultaneous DBS		Ant 10 Hotspot Simultaneous DBS		Ant 8+10 Hotspot Simultaneous DBS		Duty Cycle %
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.8GHz WLAN	802.11a 6Mbps	149	5745	18.46	20.00	17.78	19.50	21.15	22.80	Not Required	11.50	Not Required	11.50	Not Required	14.50	99.32
		157	5785	18.32	20.00	17.12	19.00	20.77	22.50		11.50		11.50		14.50	
		165	5825	18.61	20.50	17.69	19.50	21.19	23.00		11.50		11.50		14.50	
	802.11n-HT20 MCS0	149	5745	Not Required	20.00	Not Required	19.50	Not Required	22.80		11.50		11.50		14.50	100.00
		157	5785		20.00		19.50		22.80		11.50		11.50		14.50	
		165	5825		20.00		19.50		22.80		11.50		11.50		14.50	
	802.11n-HT40 MCS0	151	5755		19.50		18.50		22.00		11.50		11.50		14.50	100.00
		159	5795		19.50		18.50		22.00		11.50		11.50		14.50	
	802.11ac-VHT20 MCS0	149	5745		20.00		20.00		23.00		11.50		11.50		14.50	100.00
		157	5785		20.00		19.50		22.80		11.50		11.50		14.50	
		165	5825		20.00		19.50		22.80		11.50		11.50		14.50	
	802.11ac-VHT40 MCS0	151	5755		19.50		18.50		22.00		11.50		11.50		14.50	100.00
		159	5795		19.50		19.00		22.30		11.50		11.50		14.50	
	802.11ac-VHT80 MCS0	155	5775		19.00		18.00		21.50	9.91	11.50	9.55	11.50	12.73	14.50	100.00
	802.11ax-HE20 MCS0	149	5745		20.00		20.00		23.00	Not Required	11.50	Not Required	11.50	Not Required	14.50	100.00
		157	5785		20.00		19.50		22.80		11.50		11.50		14.50	
		165	5825		20.00		19.50		22.80		11.50		11.50		14.50	
	802.11ax-HE40 MCS0	151	5755		19.50		18.50		22.00		11.50		11.50		14.50	100.00
		159	5795		19.50		19.00		22.30		11.50		11.50		14.50	
	802.11ax-HE80 MCS0	155	5775		19.00		18.00		21.50		11.50		11.50		14.50	100.00

<2.4GHz Bluetooth>

General Note:

1. For 2.4GHz Bluetooth SAR testing was selected 1Mbps, due to its highest average power.
2. The Bluetooth duty cycle are 76.78 % as following figure, according to Oct. 2016 TCB workshop for Bluetooth SAR scaling need further consideration and the maximum duty cycle is 83.3%, therefore the actual duty cycle will be scaled up to100% for Bluetooth reported SAR calculation.

Bluetooth time-domain plot



Class1

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	9.12	7.03	7.02
	CH 39	2441	9.23	7.09	7.07
	CH 78	2480	9.04	6.96	6.99
Tune-up Limit			11	8.5	8.5

Mode	Channel	Frequency (MHz)	Average power (dBm)
			GFSK
BLE_1M	CH 00	2402	9.01
	CH 19	2440	9.12
	CH 39	2480	8.90
Tune-up Limit			11.00

Mode	Channel	Frequency (MHz)	Average power (dBm)
			2Mbps
BLE_2M	CH 01	2404	9.27
	CH 19	2440	9.33
	CH 38	2478	9.05
Tune-up Limit			11.00

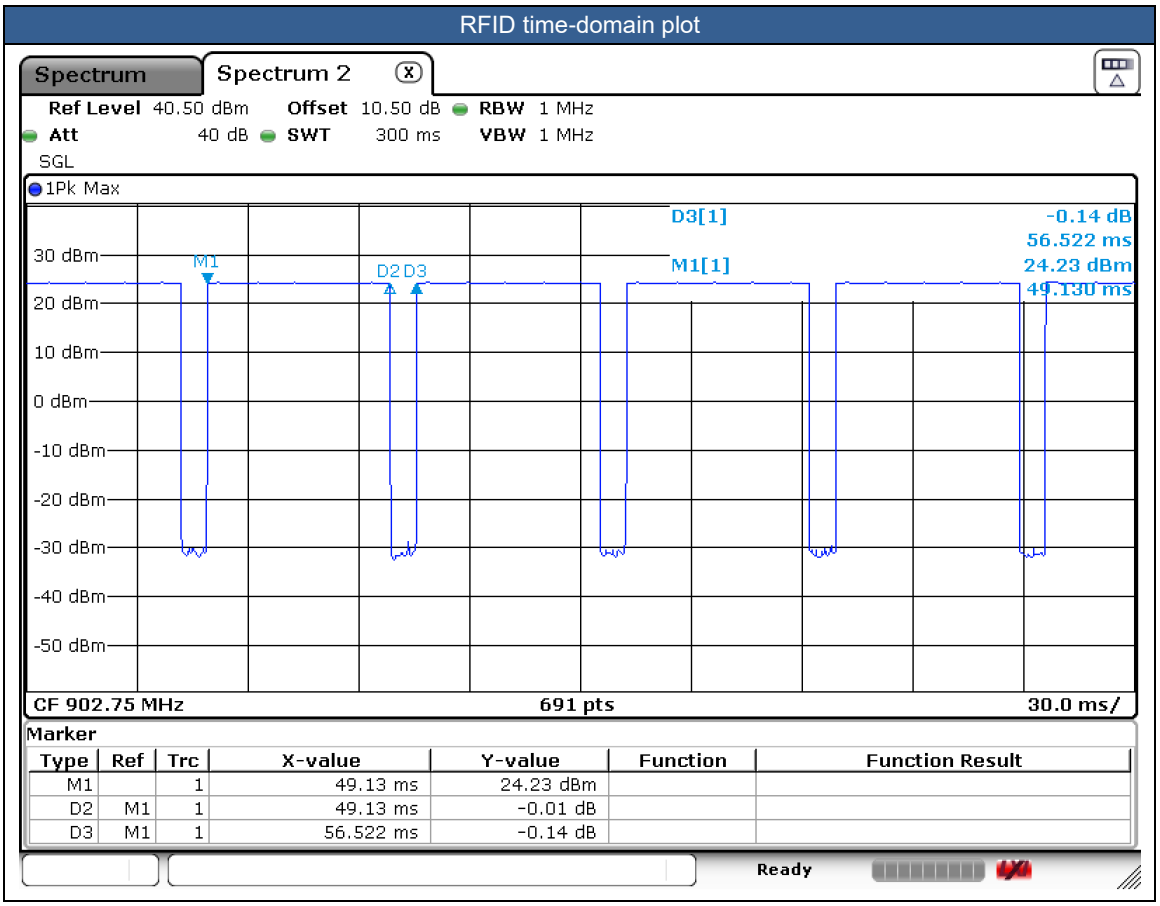
Class2

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	3.49	0.81	0.84
	CH 39	2441	3.42	0.78	0.80
	CH 78	2480	3.52	0.83	0.86
Tune-up Limit			5	2	2

Mode	Channel	Frequency (MHz)	Average power (dBm)
			GFSK
BLE_1M	CH 00	2402	3.56
	CH 19	2440	3.53
	CH 39	2480	3.50
Tune-up Limit			5.00

Mode	Channel	Frequency (MHz)	Average power (dBm)
			2Mbps
BLE_2M	CH 01	2404	3.40
	CH 19	2440	3.46
	CH 38	2478	3.53
Tune-up Limit			5.00

<RFID Power>



Frequency (MHz)	Average power (dBm)	Tune up
902.75	23.84	25.00
914.75	24.12	25.00
927.25	24.29	25.00

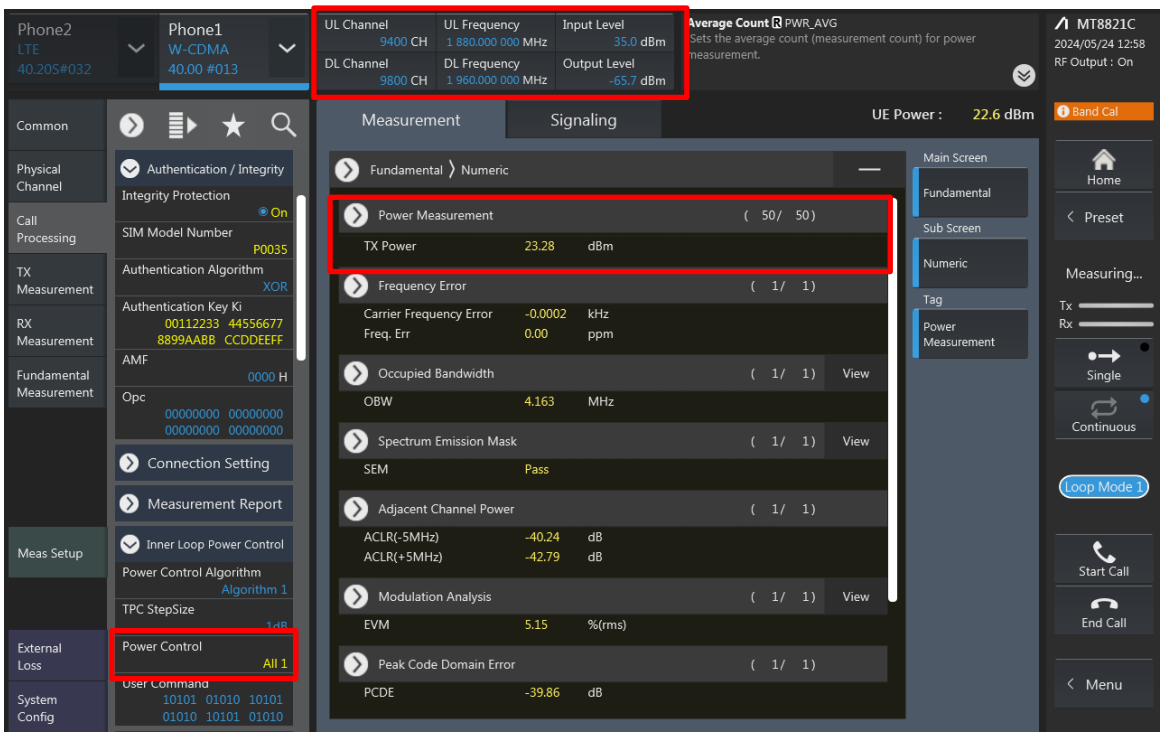
Appendix F. Power measurement connection diagram

The detailed Power measurement connection diagram are shown as follows.

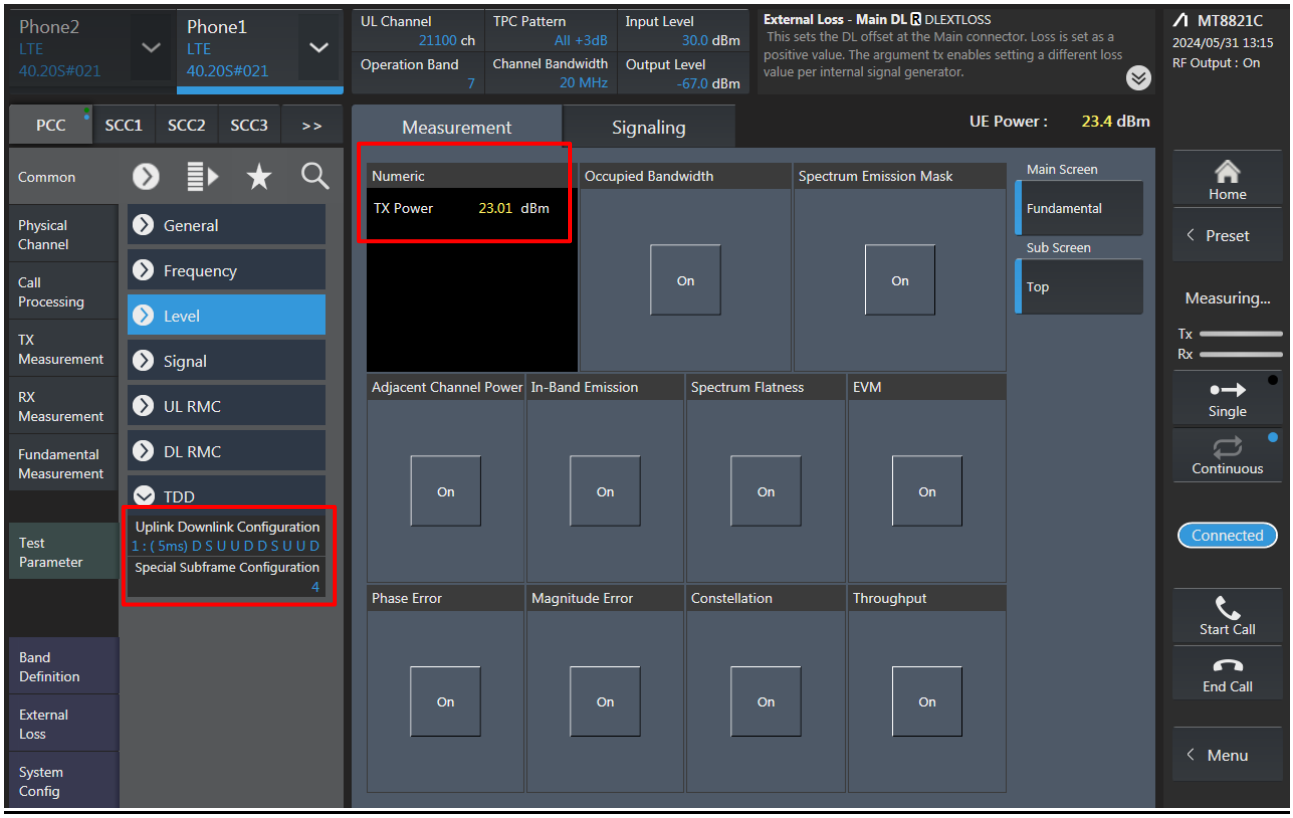
Power measurement connection diagram:

The power measurement for 3G/LTE/5G FR1/UL and DL CA is to establish a connection between device and call box, and via call box to configure Bands, channel, BWs, RB size, carrier aggregation of CA, frequency channels, SCS and maximum output power. Hereunder is screenshot call box connection information for 2G/3G/LTE/5G FR1/UL and DL CA.

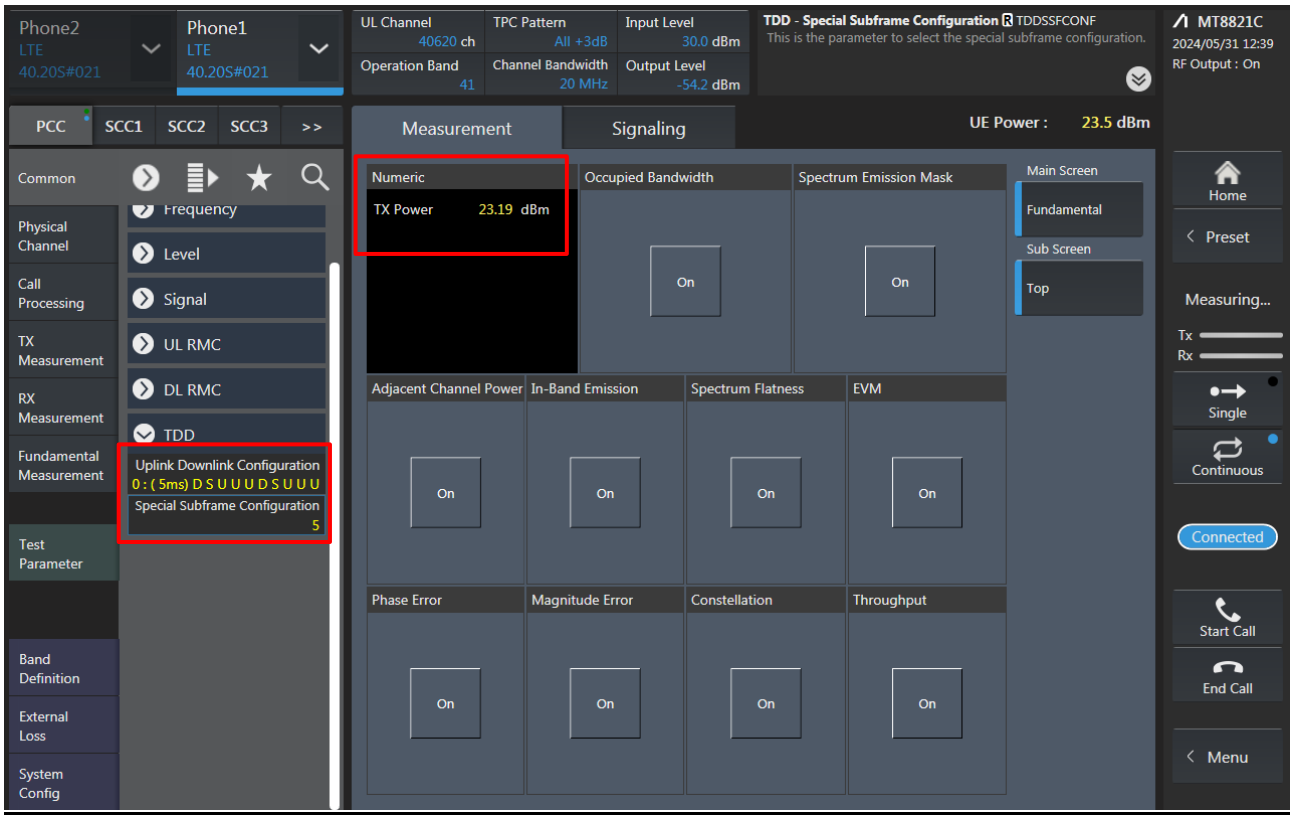
<WCDMA>



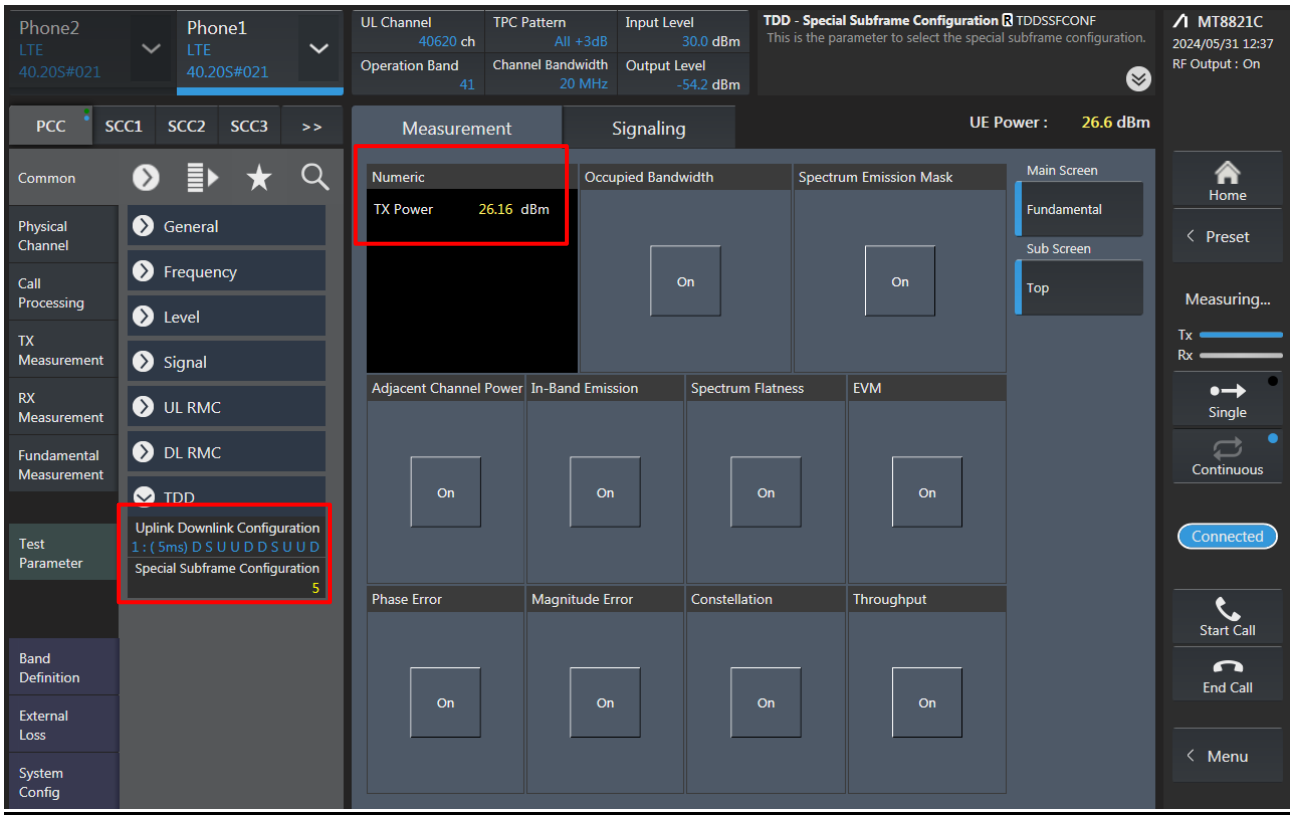
<LTE>

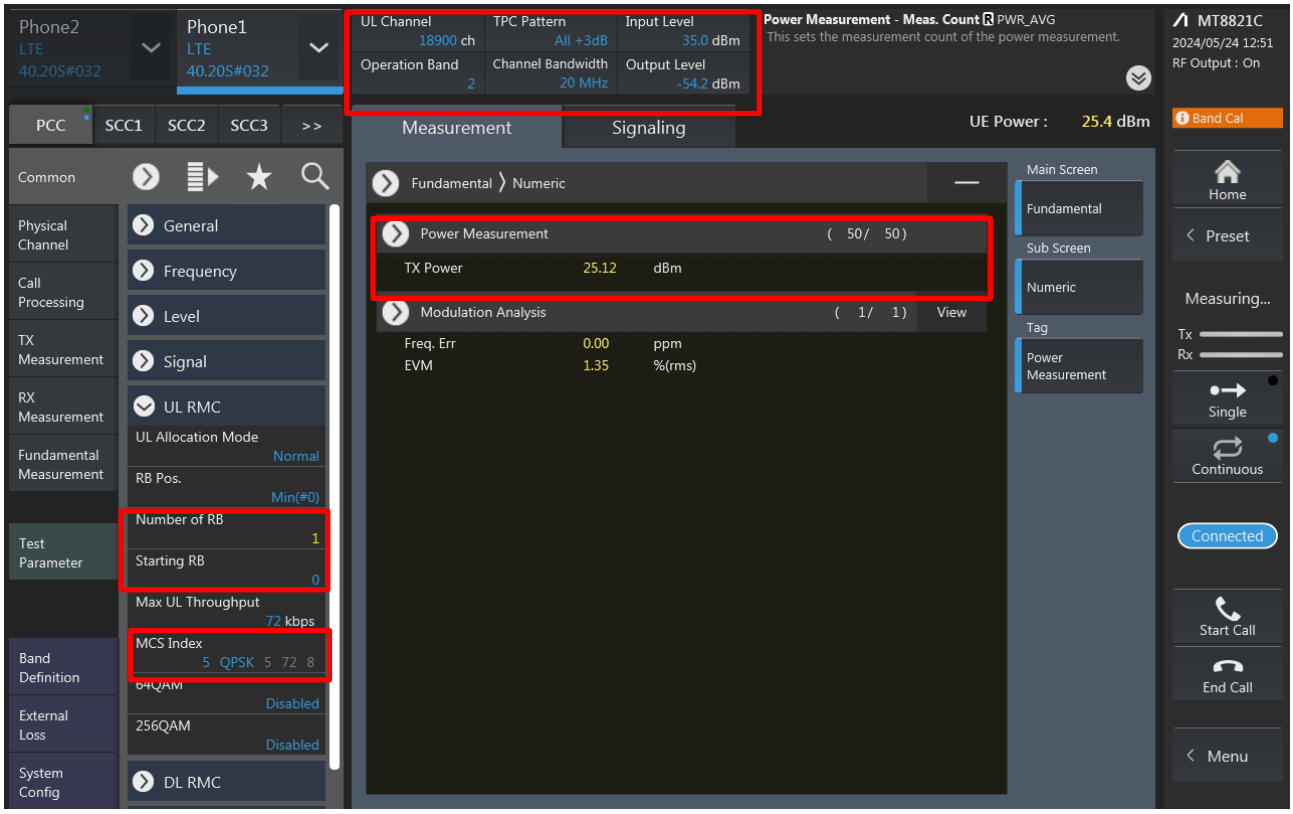

Phone2
LTE
40.20S#021
Phone1
LTE
40.20S#021
UL Channel
21100 ch
TPC Pattern
All +3dB
Input Level
30.0 dBm
Operation Band
7
Channel Bandwidth
20 MHz
Output Level
-67.0 dBm
External Loss - Main DL DLEXTLOSS
This sets the DL offset at the Main connector. Loss is set as a positive value. The argument tx enables setting a different loss value per internal signal generator.
MT8821C
2024/05/31 13:15
RF Output : On
PCC
SCC1
SCC2
SCC3
>>
Measurement
Signaling
UE Power : 23.4 dBm
Common
Physical Channel
Call Processing
TX Measurement
RX Measurement
Fundamental Measurement
Test Parameter
Band Definition
External Loss
System Config
General
Frequency
Level
Signal
UL RMC
DL RMC
TDD
Uplink Downlink Configuration
1 : (5ms) D S U U D D S U U D
Special Subframe Configuration
4
Numeric
TX Power 23.01 dBm
Occupied Bandwidth
Spectrum Emission Mask
Main Screen
Fundamental
Sub Screen
Top
Adjacent Channel Power
In-Band Emission
Spectrum Flatness
EVM
Phase Error
Magnitude Error
Constellation
Throughput
On
Home
Preset
Measuring...
Tx
Rx
Single
Continuous
Connected
Start Call
End Call
Menu

<LTE TDD Power class 3>

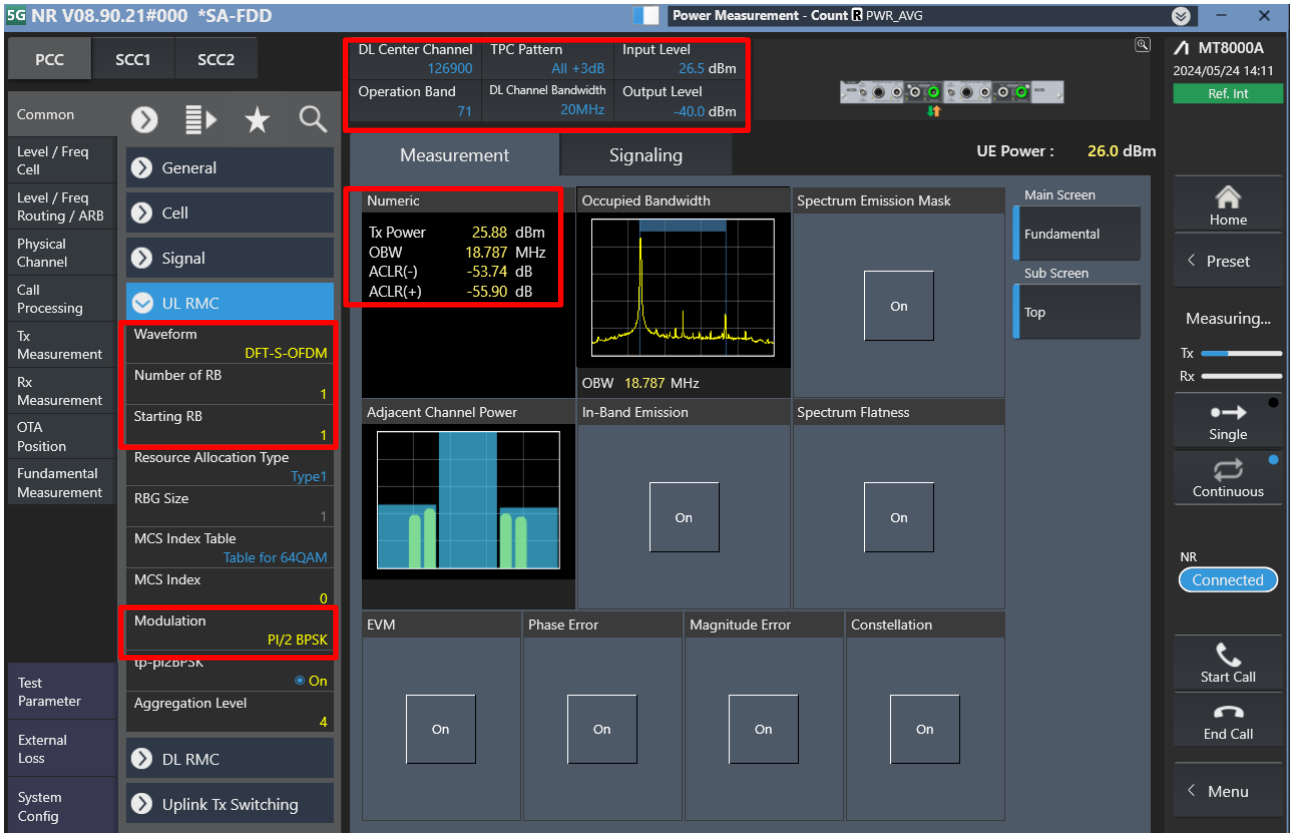


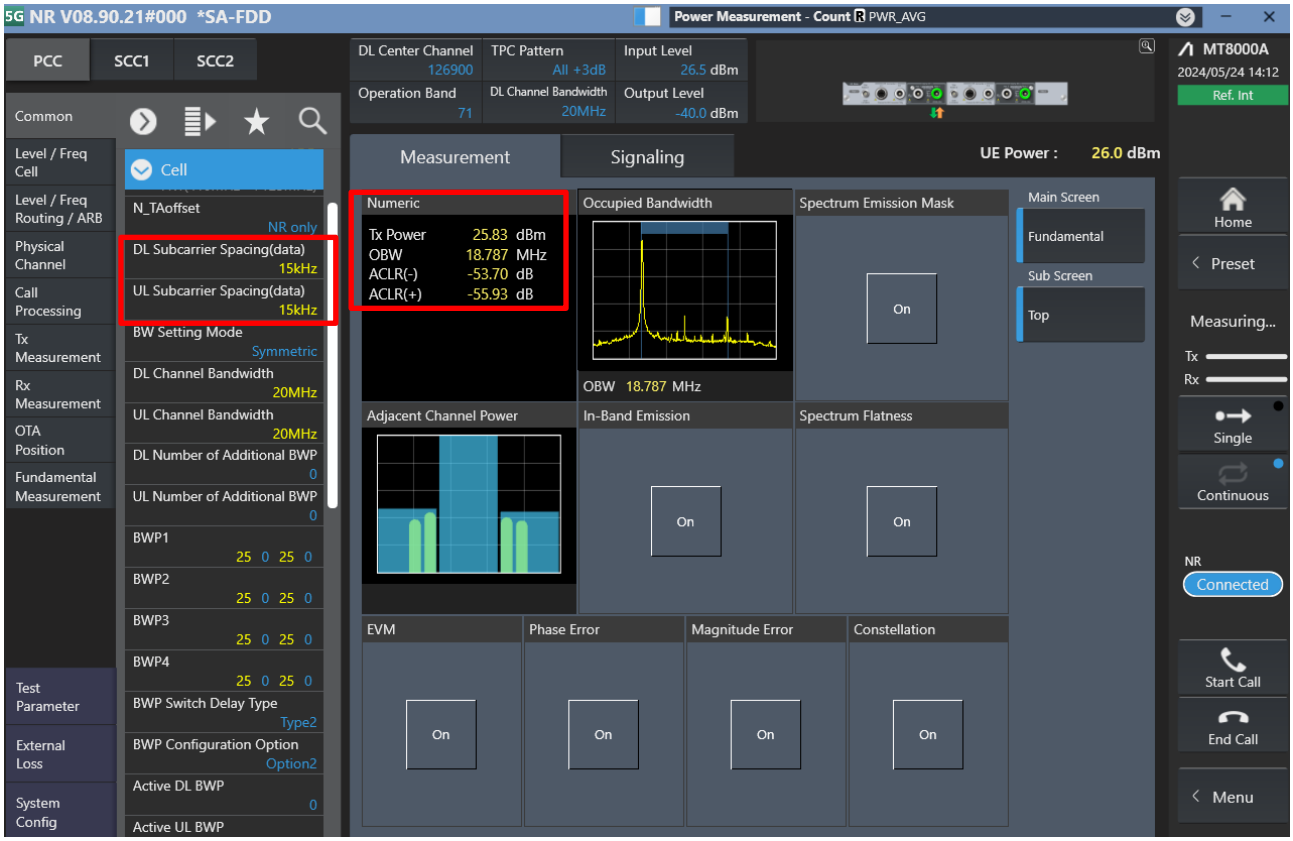
<LTE TDD Power class 2>

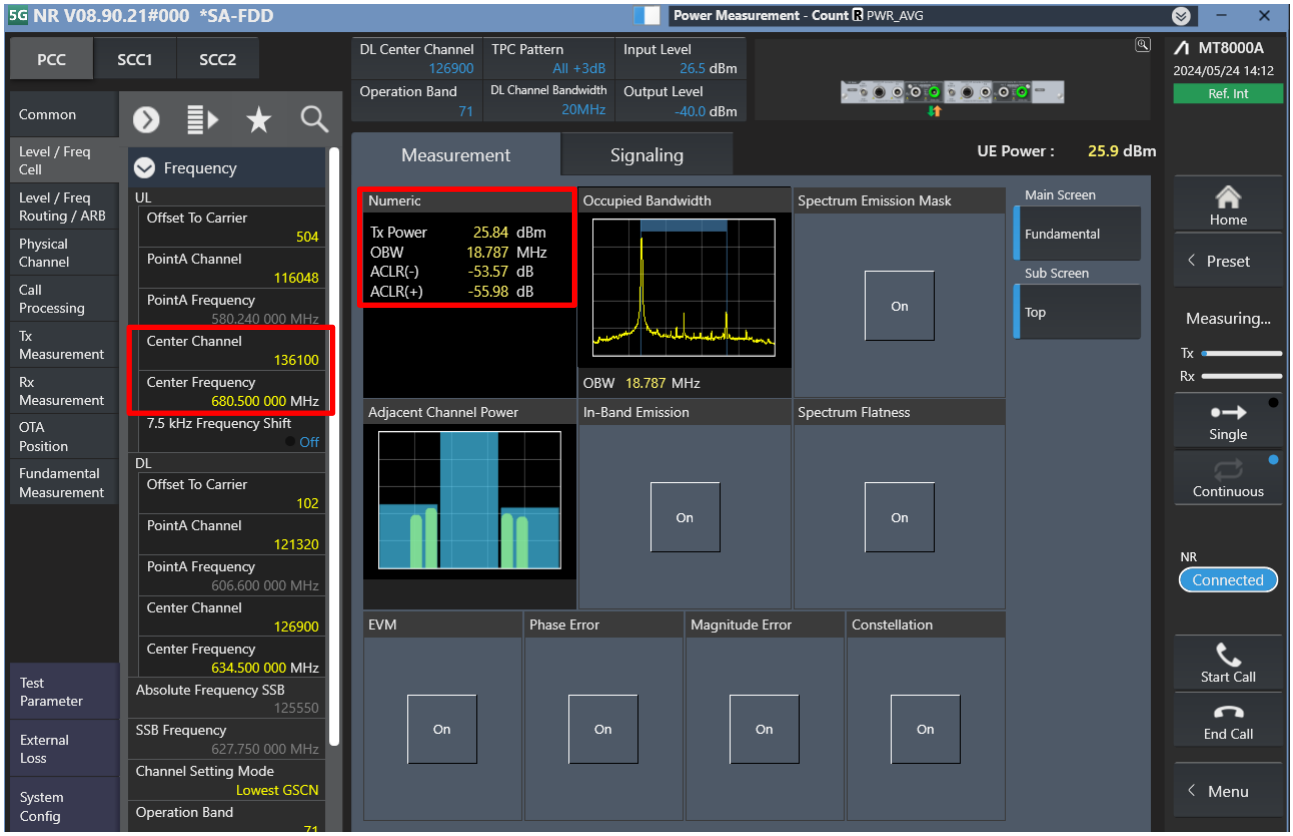




<5GNR FR1>

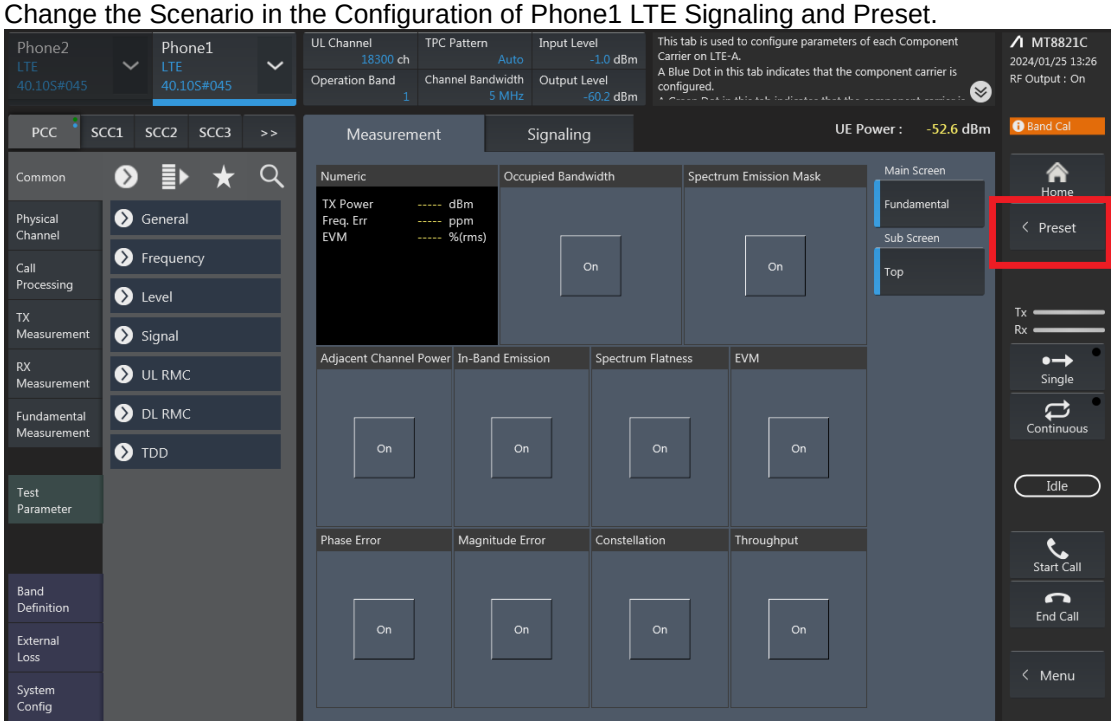

5G NR V08.90.21#000 *SA-FDD
Power Measurement - Count PWR_AVG
PCC
SCC1
SCC2
DL Center Channel 126900
TPC Pattern All +3dB
Input Level 26.5 dBm
Operation Band 71
DL Channel Bandwidth 20MHz
Output Level -40.0 dBm
MT8000A
2024/05/24 14:11
Ref. Int
Common
Level / Freq Cell
Level / Freq Routing / ARB
Physical Channel
Call Processing
Tx Measurement
Rx Measurement
OTA Position
Fundamental Measurement
Test Parameter
External Loss
System Config
General
Cell
Signal
UL RMC
Waveform DFT-S-OFDM
Number of RB 1
Starting RB 1
Resource Allocation Type Type1
RBG Size 1
MCS Index Table Table for 64QAM
MCS Index 0
Modulation PI/2 BPSK
On
Aggregation Level 4
DL RMC
Uplink Tx Switching
Measurement
Signaling
UE Power : 26.0 dBm
Numeric
Tx Power 25.88 dBm
OBW 18.787 MHz
ACLR(-) -53.74 dB
ACLR(+) -55.90 dB
Occupied Bandwidth
OBW 18.787 MHz
Spectrum Emission Mask
Main Screen
Fundamental
Sub Screen
Top
Adjacent Channel Power
In-Band Emission
Spectrum Flatness
EVM
Phase Error
Magnitude Error
Constellation
Home
Preset
Measuring...
Tx
Rx
Single
Continuous
NR
Connected
Start Call
End Call
Menu


5G NR V08.90.21#000 *SA-FDD
Power Measurement - Count PWR_AVG
PCC
SCC1
SCC2
DL Center Channel 126900
TPC Pattern All +3dB
Input Level 26.5 dBm
Operation Band 71
DL Channel Bandwidth 20MHz
Output Level -40.0 dBm
MT8000A
2024/05/24 14:12
Ref. Int
Common
Level / Freq Cell
Level / Freq Routing / ARB
Physical Channel
Call Processing
Tx Measurement
Rx Measurement
OTA Position
Fundamental Measurement
Test Parameter
External Loss
System Config
Cell
N_TAoffset NR only
DL Subcarrier Spacing(data) 15kHz
UL Subcarrier Spacing(data) 15kHz
BW Setting Mode Symmetric
DL Channel Bandwidth 20MHz
UL Channel Bandwidth 20MHz
DL Number of Additional BWP 0
UL Number of Additional BWP 0
BWP1 25 0 25 0
BWP2 25 0 25 0
BWP3 25 0 25 0
BWP4 25 0 25 0
BWP Switch Delay Type Type2
BWP Configuration Option Option2
Active DL BWP 0
Active UL BWP
Measurement
Signaling
UE Power : 26.0 dBm
Numeric
Tx Power 25.83 dBm
OBW 18.787 MHz
ACLR(-) -53.70 dB
ACLR(+) -55.93 dB
Occupied Bandwidth
OBW 18.787 MHz
Spectrum Emission Mask
Main Screen
Fundamental
Sub Screen
Top
Adjacent Channel Power
In-Band Emission
Spectrum Flatness
EVM
Phase Error
Magnitude Error
Constellation
Home
Preset
Measuring...
Tx
Rx
Single
Continuous
NR
Connected
Start Call
End Call
Menu

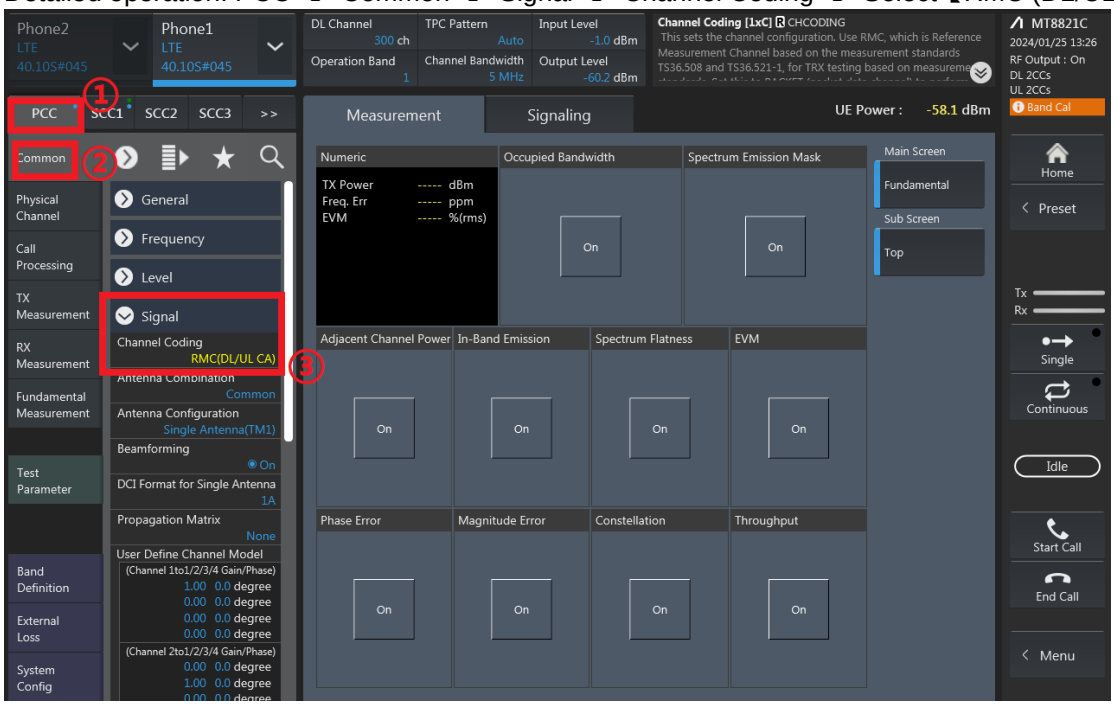

5G NR V08.90.21#000 *SA-FDD
Power Measurement - Count R PWR_AVG
PCC
SCC1
SCC2
DL Center Channel 126900
TPC Pattern All +3dB
Input Level 26.5 dBm
Operation Band 71
DL Channel Bandwidth 20MHz
Output Level -40.0 dBm
MT8000A
2024/05/24 14:12
Ref. Int
Common
Level / Freq Cell
Level / Freq Routing / ARB
Physical Channel
Call Processing
Tx Measurement
Rx Measurement
OTA Position
Fundamental Measurement
Test Parameter
External Loss
System Config
Frequency
UL
Offset To Carrier 504
PointA Channel 116048
PointA Frequency 580.240 000 MHz
Center Channel 136100
Center Frequency 680.500 000 MHz
7.5 kHz Frequency Shift Off
DL
Offset To Carrier 102
PointA Channel 121320
PointA Frequency 606.600 000 MHz
Center Channel 126900
Center Frequency 634.500 000 MHz
Absolute Frequency SSB 125550
SSB Frequency 627.750 000 MHz
Channel Setting Mode Lowest GSCN
Operation Band 71
Measurement
Signaling
UE Power : 25.9 dBm
Numeric
Tx Power 25.84 dBm
OBW 18.787 MHz
ACLR(-) -53.57 dB
ACLR(+) -55.98 dB
Occupied Bandwidth
OBW 18.787 MHz
Spectrum Emission Mask
On
Main Screen
Fundamental
Sub Screen
Top
Adjacent Channel Power
In-Band Emission
On
Spectrum Flatness
On
EVM
On
Phase Error
On
Magnitude Error
On
Constellation
On
Home
Preset
Measuring...
Tx
Rx
Single
Continuous
NR
Connected
Start Call
End Call
Menu

LTE Uplink and Downlink Carrier Aggregation configurations:

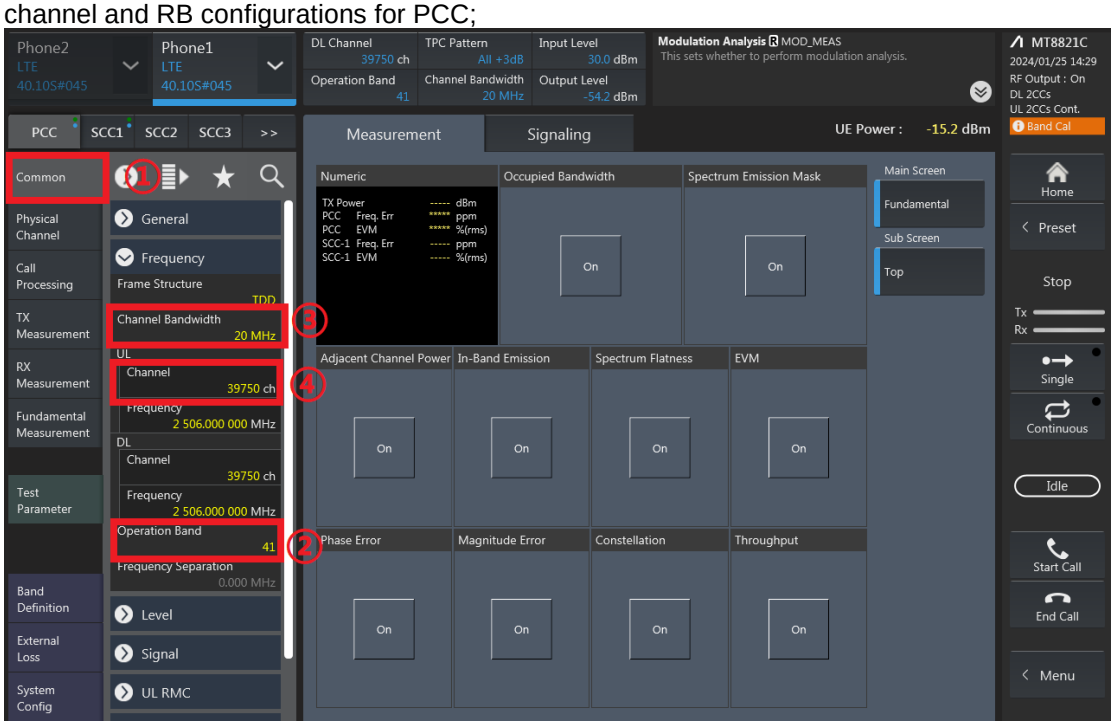
1. Change the Scenario in the Configuration of Phone1 LTE Signaling and Preset.



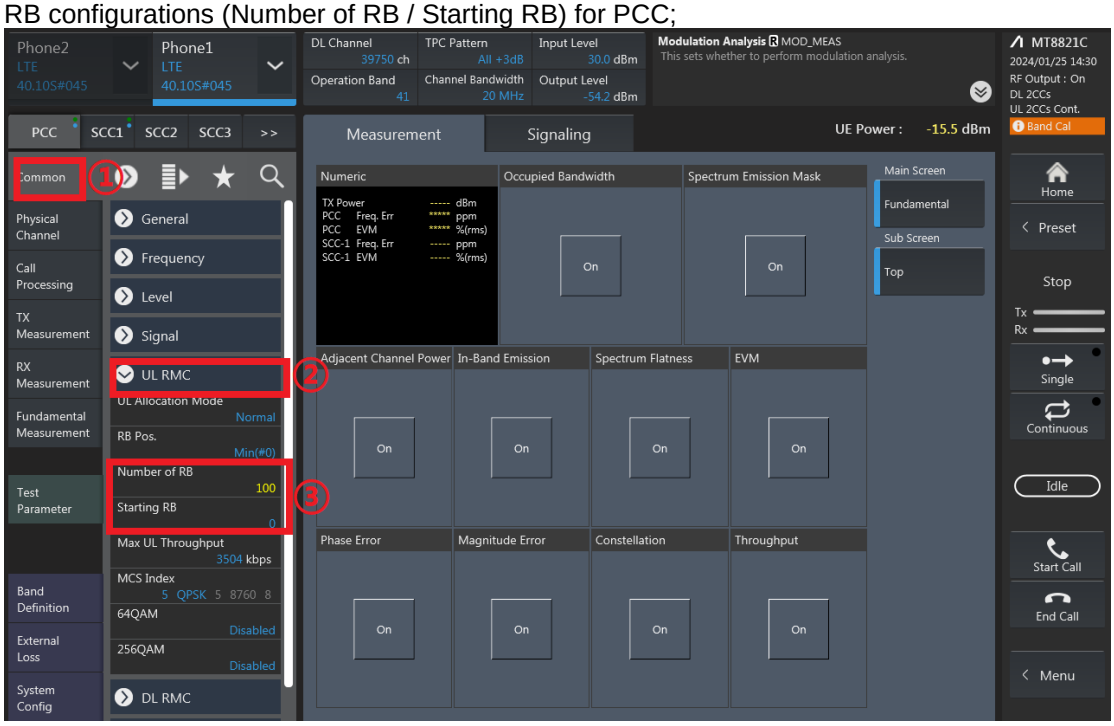
2. If Select “RMC (DL/UL CA)” for Uplink Carrier Aggregation;
If Select “RMC (DL CA)” for Downlink Carrier Aggregation.
For example, Uplink Carrier Aggregation:
Detailed operation: PCC ➔ Common ➔ Signal ➔ Channel Coding ➔ Select【RMC (DL/UL CA)】



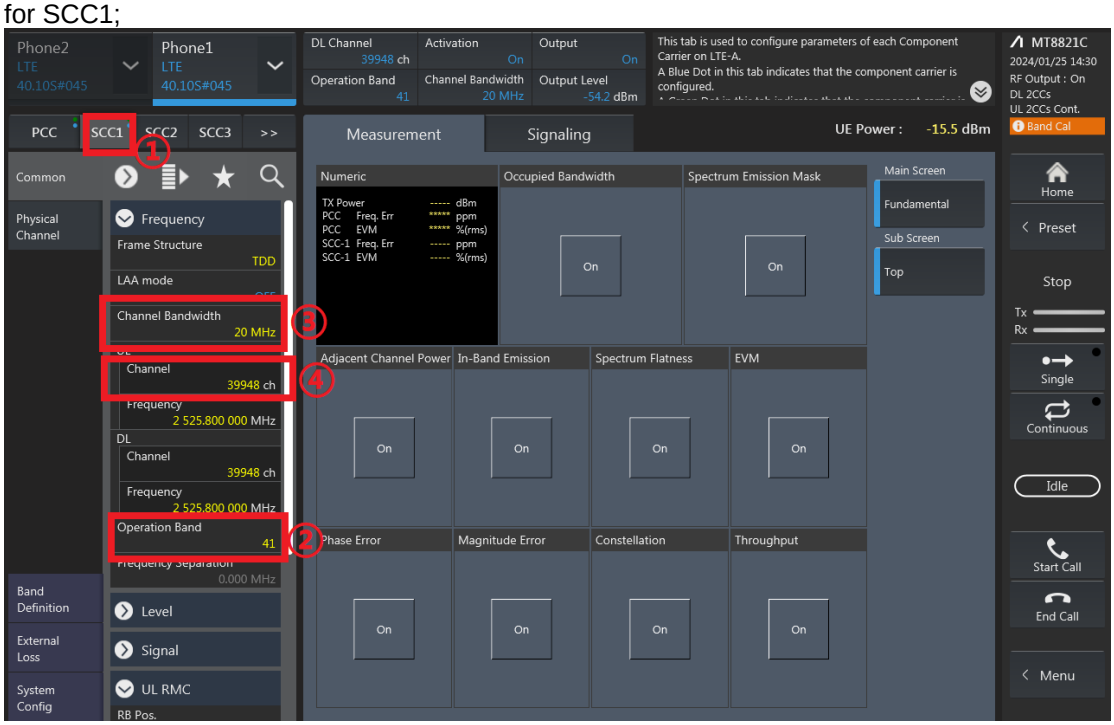
3. PCC parameter Settings: on the screen, and then select the PCC tab and Set operating band, BW, channel and RB configurations for PCC;



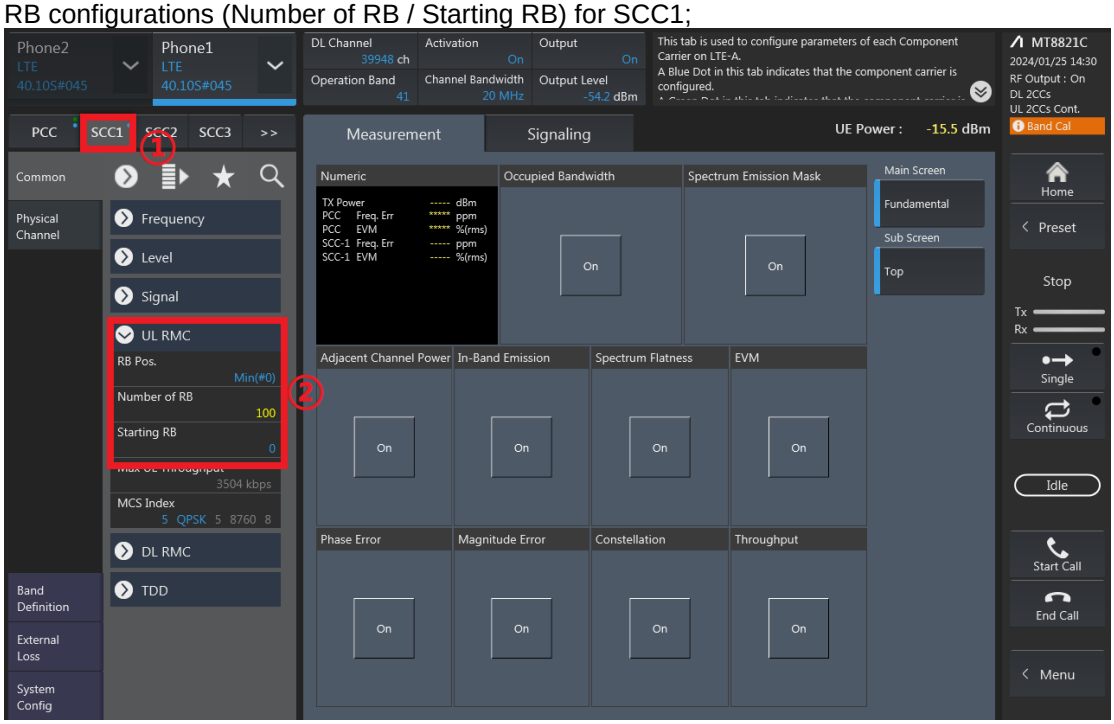
RB configurations (Number of RB / Starting RB) for PCC;



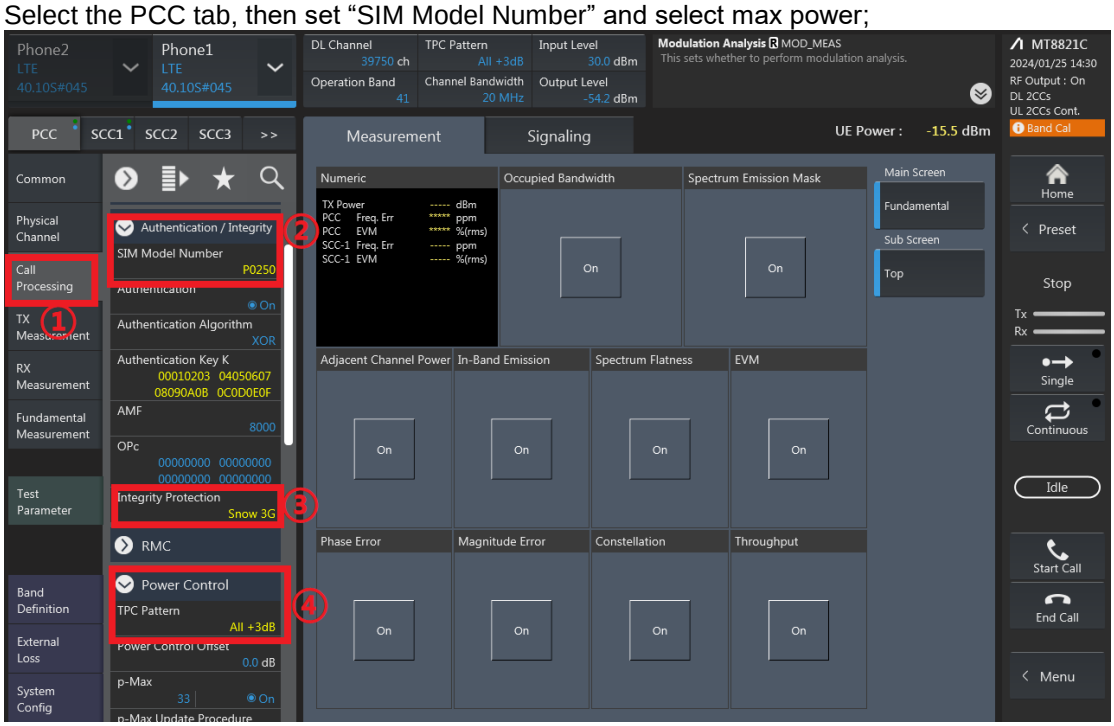
4. SCC parameter Settings: Select the SCC1 tab, Set operating band, BW, channel, and RB configurations for SCC1;



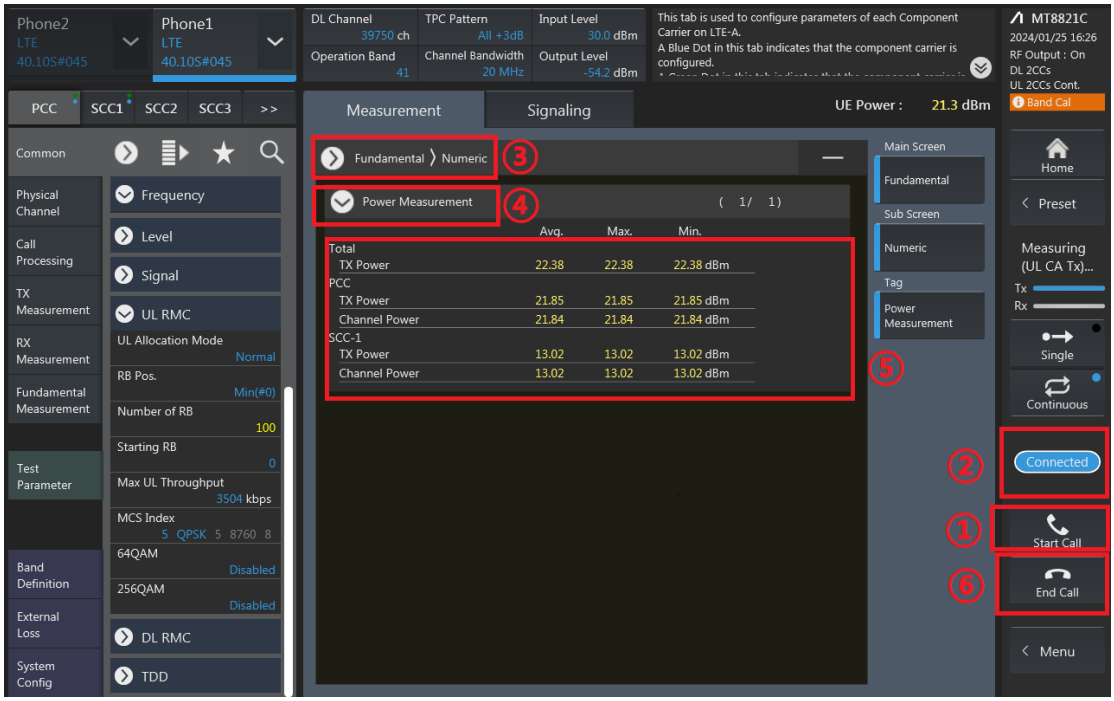
RB configurations (Number of RB / Starting RB) for SCC1;



5. Select the PCC tab, then set “SIM Model Number” and select max power;



6. Click the “Connect” button at the Right of the screen, if necessary, turn the Airplane mode on/off in the DUT



7. The inter-band ULCA test method is similar to intra-band ULCA, and DLCA test method is similar to intra-band ULCA too.

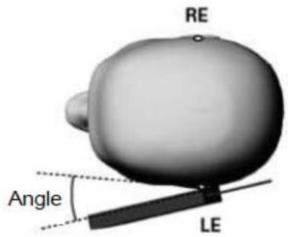
Appendix G. Proximity light sensor validation and Power reduction mechanism verification

The detailed Proximity light sensor validation and Power reduction mechanism verification data are shown as follows.

1 Proximity sensor validation

Since proximity sensor validation procedure in KDB 616217 section 6.2/6.3/6.4 are for body exposure condition, therefore that procedure is not full applicable proximity sensor detection verification for the head exposure condition, following sensor validation procedure will be applied for head and near the front of face exposure condition

1.1 Proximity sensor validation procedure for Head exposure condition



The following guidance only for the device integrated proximity sensor to reduce power or disable RFID transmit and applies head exposure condition.

The earpiece of device positioned on the left and right ERP (ear reference point) location of head phantom defined in IEEE Std 1528-2013 and rotates the device along one axis, from 0 degrees to 90 degrees and then reverse the procedure to go from 90 degrees to 0 degrees.

Establish OTT VoIP call (through WIFI data) and audio is actively routed through the earpiece receiver (earpiece is ON).

This process is to determine the angle where a power reduction occurs, by taking power measurements at each step, as indicated in the step listed here below:

i. From the device in 0 degrees, rotate in 10 degrees steps until proximity sensor is release

ii. Lower the device rotate by 5 degrees increments to verify that the “proximity sensor” is triggered

iii. From the position of the previous step, rotate the device in 1 degree increments until proximity sensor is Triggered again

iv. Continue rotate the device in 1 degree increments until at least 5 degrees past where proximity sensor is release was obtained, then continue rotate device in 10 degrees steps until the device opened to 90 degrees with proximity sensor is release.

v. Reverse the previous procedure to go from device 90 degrees back down to 0 degrees

Proximity sensor validation procedure for Head exposure condition					
Rotate the device from 0 degree to 90 degree _Right Head			Rotate the device from 90 degree to 0 degree _Right Head		
	Angle	**Proximity sensor**		Angle	**Proximity sensor**
Device angle (degree)	0	On	Device angle (degree)	90	Off
	10	On		80	Off
	20	On		74	Off
	23	On		73	Off
	24	On		72	Off
	25	On		71	Off
	26	On		70	Off
	27	On		69	On
	28	On		68	On
	29	On		67	On
	30	On		66	On
	31	Off		65	On
	32	Off		64	On
	33	Off		63	On
	34	Off		60	On
	40	Off		50	On
	50	Off		40	On
	60	Off		30	On
	70	Off		20	On
	80	Off		10	On
	90	Off		0	On
Rotate the device from 0 degree to 90 degree_Left Head			Rotate the device from 90 degree to 0 degree_Left Head		
	Angle	**Proximity sensor**		Angle	**Proximity sensor**
Device angle (degree)	0	On	Device angle (degree)	90	Off
	10	On		81	Off
	20	On		80	Off
	22	On		79	Off
	23	On		78	Off
	24	On		77	Off
	25	On		76	Off
	26	On		75	On
	27	On		74	On
	28	On		73	On
	29	On		72	On
	30	On		71	On
	31	Off		70	On
	32	Off		60	On
	33	Off		50	On
	34	Off		40	On
	40	Off		30	On
	50	Off		20	On
	60	Off		10	On
	70	Off		0	On
	80	Off			
	90	Off			

1.2 Proximity sensor validation procedure for near the front of the face

In order to consider front of device near the front of the face during VOIP call, hereunder is for proximity sensor validation procedure and results for determining proximity sensor triggering distance and ensure the trigger distance is larger than front of device test at 10 mm distance.

a) The entire front surface of the device is positioned below a flat phantom filled with the required tissue-equivalent medium, and positioned at least 20 mm further than the distance that triggers power reduction

b) The front surface is moved toward the phantom in 3 mm steps until the sensor triggers.

c) The front surface is then moved back (further away) from the phantom by at least 5 mm or until maximum output power is returned to the normal maximum level.

d) The front surface is again moved toward the phantom, but in 1 mm steps, until it is at least 5 mm past the triggering point or touching the phantom.

e) If the device is not touching the phantom, it is moved in 3 mm steps until it touches the phantom to confirm that the sensor remains triggered and the maximum power stays reduced.

f) The process is then reversed by moving the device away from the phantom according to steps b) to e), to determine triggering release, until it is at least 10 mm beyond the point that triggers the return of normal maximum power.

i) The measured output power within +/- 5 mm of the triggering points, or until the device is touching the phantom, for movements to and from the phantom should be tabulated in the SAR report.

Proximity sensor validation procedure for near the front of the face					
Front of device moved toward the phantom			Front of device moved back (further away) from the phantom		
	Distance (mm)	**Proximity sensor**		Distance (mm)	**Proximity sensor**
Device Trigger distance	120	Off	Device Trigger distance	0	ON
	119	Off		3	ON
	116	Off		6	ON
	113	Off		9	ON
	110	Off		12	ON
	107	Off		15	ON
	104	Off		18	ON
	101	Off		21	ON
	98	Off		22	ON
	95	Off		23	ON
	92	Off		24	ON
	89	Off		25	ON
	86	Off		26	ON
	83	Off		27	Off
	80	Off		28	Off
	77	Off		29	Off
	74	Off		30	Off
	71	Off		33	Off
	68	Off		36	Off
	65	Off		39	Off
	62	Off		42	Off

	59	Off		45	Off
	56	Off		48	Off
	53	Off		51	Off
	50	Off		54	Off
	47	Off		57	Off
	44	Off		60	Off
	41	Off		63	Off
	38	Off		66	Off
	35	Off		69	Off
	32	Off		72	Off
	29	Off		75	Off
	26	Off		78	Off
	23	Off		81	Off
	22	Off		84	Off
	21	Off		87	Off
	20	ON		90	Off
	19	ON		93	Off
	18	ON		96	Off
	17	ON		99	Off
	16	ON		102	Off
	15	ON		105	Off
	14	ON		108	Off
	13	ON		111	Off
	11	ON		114	Off
	8	ON		117	Off
	6	ON		120	Off
	3	ON			
	0	ON			

1.2.1 Proximity sensor validation on head-shaped phantom

The proximity sensor validation is to verify sensor trigger distance on head-shaped phantom to ensure the trigger distance is determined via 1.2 section is valid and workable on head-shaped phantom.

a) The entire front surface of the device is positioned below a head-shaped phantom filled with the required tissue-equivalent medium.

b) According to section 1.2 identified trigger distance, the front surface is then moved back (further away) from the phantom by at least 5 mm or until maximum output power is returned to the normal maximum level.

c) The front surface is again moved toward the phantom, but in 1 mm steps, until it is at least 5 mm past the triggering point or touching the phantom.

d) The process is then reversed by moving the device away from the phantom according to steps b) to c),
to determine triggering release, until it is at least 10 mm beyond the point that triggers the return of normal maximum power.

e) The measured output power within +/- 5 mm of the triggering points, or until the device is touching the phantom, for movements to and from the phantom should be tabulated in the SAR report.

Proximity sensor validation on head-shaped phantom					
Front of device moved toward the phantom			Front of device moved back (further away) from the phantom		
	Distance (mm)	**Proximity sensor**		Distance (mm)	**Proximity sensor**
Device Trigger distance	25	Off	Device Trigger distance	23	ON
	24	Off		24	ON
	23	Off		25	ON
	22	Off		26	ON
	21	Off		27	ON
	20	ON		28	Off
	19	ON		29	Off
	18	ON		30	Off
	17	ON		31	Off
	16	ON		32	Off

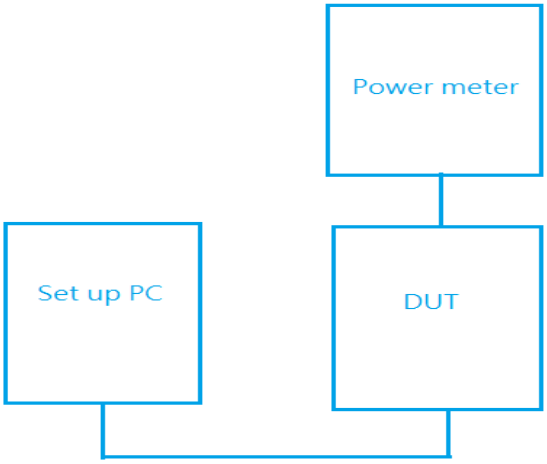
Remark

- Since P-light sensor detect mechanism is to disable RFID function during WIFI VoIP handset voice mode, therefore above proximity sensor validation results are not applicable for monitor RFID output power, due to when RFID function is disabled, the RFID power can't be returned to normal maximum output power when proximity sensor off, therefore the triggering conditions is to monitor the screen changes corresponding to proximity sensor detection. That reports the triggering conditions and proximity sensor detecting to disable RFID function is separately.

Proximity sensor on	LCD backlight off
Proximity sensor off	LCD backlight on

1.2.2 RFID conducted power verification:

- Establish VOIP call over WIFI and audio routed through the earpiece to monitor output power under head exposure condition.
- To use FTM (Factory Test Model) mode TX tool to configure RFID TX transmission.
- Monitor the RFID output power based on the P-light sensor detection mechanism to trigger disabling RFID Tx transmission under head exposure conditions.
- According to the proximity sensor validation results which the minimum triggering distance is 20 mm determined by front of device moved toward to the phantom, therefore select the condition of front of device moved toward the phantom from 21 mm sensor off to 20 mm sensor on and then monitor RFID output power.
- When RFID Tx off by FTM mode, observed the outpower power by power meter is -70 ~ -80 dBm, the output power is noise floor power level.
- Test setup for measuring power



- Verification output power results

Front of device moved toward the phantom			
Device Trigger distance	Distance (mm)	**Proximity sensor**	**RFID power**
	21	Off	24.05
	20	ON	-73.41

2 Power reduction mechanism verification

According to the May 2017 TCBC Workshop, Demonstration of proper functioning of the detection and triggering mechanisms is required to support the corresponding RF exposure conditions. The verification is through a base station simulator is used to establish a conducted RF connection and monitor output power under different operating conditions related to the power reduction mechanisms. Detail of power reduction mechanisms referring to Operational Description

1. Power Verification Procedure

The power verification was performed according to the following procedure:

1. A base station simulator was used to establish a conducted RF connection and the output power was monitored. The power measurements were confirmed to be within expected tolerances for all states before and after a power reduction mechanism was triggered.
2. Step 1 was repeated for all relevant modes and frequency bands for the mechanism being investigated.
3. Steps 1 and 2 were repeated for all individual power reduction mechanisms and combinations thereof. For the combination cases, one mechanism was switched to a 'triggered' state at a time; powers were confirmed to be within tolerances after each additional mechanism was activated.

General Note:

1. This device uses different Device State Indices (DSI) to configure different time averaged power levels based on certain exposure scenarios, as the following table:

Exposure Condition	DSI	Trigger Conditions
Head	DSI2	Receiver on
Body Worn/Extremity	DSI0	RFID Off + Receiver Off + Hotspot Off
Hotspot	DSI1	RFID Off + Receiver Off + Hotspot On
Hotspot	DSI4	RFID On + Receiver Off + Hotspot On
Body Worn/Extremity	DSI5	RFID On + Receiver Off + Hotspot Off

2. Select the bands with the largest power reduction for power verification：
   a. Establish voice call and audio routed through the earpiece to monitor output power under head transmitting power states.
      - Tradition voice call for WCDMA, voice over IP CMRS operations for LTE.
      - LTE Band 30 is set at ‘highest BW, 1RB, RB Offset = 0, QPSK’, WCDMA II is set AMR 12.2Kbps.
   b. Establish data connection monitor hotspot power state.
      - LTE Band 2/25/7 is set at ‘highest BW, 1RB, RB Offset = 0, QPSK’.
   c. Establish data connection monitor body worn power state.
      - LTE Band 30 is set at ‘highest BW, 1RB, RB Offset = 0, QPSK’, WCDMA II is set RMC 12.2Kbps.
      - Body Detect mechanism was performed for the in-hand and on a stationary object (placed on a table)
   d. Establish data connection monitor extremity power state.
      - LTE Band 30 is set at ‘highest BW, 1RB, RB Offset = 0, QPSK’, WCDMA II is set RMC 12.2Kbps.
      - Body Detect mechanism was performed for the in-hand and on a stationary object (placed on a table).

2. In this power validation purpose is to demonstrate of proper functioning of the detection and triggering mechanisms to support the corresponding RF exposure conditions.
3. Verification performed for one technology/Band to demonstrate that the power reduction applies for same technology/band and call origination.

2. Verification output Power Results

Head exposure conditions

Head Exposure condition		Output Power for Voice Call			
Ear acoustic output Status:		ON		OFF	
Power state		WWAN DSI2		WWAN DSI0	
Wireless technology	Antenna	Measured (dBm)	Max. Tune-up (dBm)	Measured (dBm)	Max. Tune-up (dBm)
WCDMA II	Ant 2	18.79	19.6	22.35	23.20
LTE Band 30	Ant 3	15.45	16.2	19.66	20.40

Hotspot exposure condition

Hotspot exposure condition		Output Power for data connection					
Wifi Hotspot Status		OFF		ON		ON	
RFID Status		OFF		OFF		ON	
Power state		WWAN DSI0		WWAN DSI1		WWAN DSI4	
		WiFi Standalone		WiFi Simultaneous		WiFi Simultaneous	
Wireless Technology	Antenna	Measured (dBm)	Max. Tune-up (dBm)	Measured (dBm)	Max. Tune-up (dBm)	Measured (dBm)	Max. Tune-up (dBm)
LTE Band 25(2)	Ant 2	22.45	23.2	20.62	21.7	19.11	20.2
LTE Band 7	Ant 3	19.78	20.9	18.25	19.4	16.56	17.9

Body worn& Extremity exposure condition

Body Worn exposure condition		Output Power (data connection)			
		Stationary		Grip	
RFID Status		On		OFF	
Power state		WWAN DSI5		WWAN DSI0	
Wireless Technology	Antenna	Measured (dBm)	Max. Tune-up (dBm)	Measured (dBm)	Max. Tune-up (dBm)
WCDMA II	Ant 2	20.56	21.7	22.53	23.2
LTE Band 30	Ant 3	17.25	18.4	19.67	20.4

Appendix H. Verify MIMO SAR analysis results

The detailed Verify MIMO SAR analysis results are shown as follows.

MIMO SAR verification results

N77 UL-MIMO (Ant4+6) DSI2 Head				N77 UL-MIMO (Ant4+6) DSI1 Hotspot(RFID OFF)			
SISO Ant4 Plimit (dBm)	14.4	SISO Ant4 Pmax (dBm)	23.0	SISO Ant4 Plimit (dBm)	22.2	SISO Ant4 Pmax (dBm)	23.0
SISO Ant6 Plimit (dBm)	19.1	SISO Ant6 Pmax (dBm)	22.0	SISO Ant6 Plimit (dBm)	20.3	SISO Ant6 Pmax (dBm)	22.0
Ptest (dBm)	14.4	Total uncertainty (dB)	1.0	Ptest (dBm)	20.3	Total uncertainty (dB)	1.0
SAR design target (W/kg)	0.87	Back off	0	SAR design target (W/kg)	0.87	Back off	0
Measured MIMO Ptest (dBm)	14.40	Measured MIMO SAR at meas. Ptest (W/kg)	0.745	Measured MIMO Ptest (dBm)	20.30	Measured MIMO SAR at meas. Ptest (W/kg)	0.745
Reported SAR_{MIMO}	0.938	Calc.SAR	1.466	Reported SAR_{MIMO}	0.938	Calc.SAR	1.802

N77 UL-MIMO (Ant4+6) DSI0 Body worn(RFID OFF)				N77 UL-MIMO (Ant4+6) DSI0 Extremity(RFID OFF)			
SISO Ant4 Plimit (dBm)	22.2	SISO Ant4 Pmax (dBm)	23.0	SISO Ant4 Plimit (dBm)	22.2	SISO Ant4 Pmax (dBm)	23.0
SISO Ant6 Plimit (dBm)	19.1	SISO Ant6 Pmax (dBm)	22.0	SISO Ant6 Plimit (dBm)	19.1	SISO Ant6 Pmax (dBm)	22.0
Ptest (dBm)	19.1	Total uncertainty (dB)	1.0	Ptest (dBm)	19.1	Total uncertainty (dB)	1.0
SAR design target (W/kg)	0.87	Back off	0	SAR design target (W/kg)	2.46	Back off	0
Measured MIMO Ptest (dBm)	19.10	Measured MIMO SAR at meas. Ptest (W/kg)	0.245	Measured MIMO Ptest (dBm)	19.10	Measured MIMO SAR at meas. Ptest (W/kg)	2.090
Reported SAR_{MIMO}	0.308	Calc.SAR	1.632	Reported SAR_{MIMO}	2.631	Calc.SAR	4.618

N77 UL-MIMO (Ant4+6) DSI4 Hotspot(RFID On)				N77 UL-MIMO (Ant4+6) DSI5 Extremity(RFID On)			
SISO Ant4 Plimit (dBm)	20.7	SISO Ant4 Pmax (dBm)	23.0	SISO Ant4 Plimit (dBm)	20.7	SISO Ant4 Pmax (dBm)	23.0
SISO Ant6 Plimit (dBm)	18.8	SISO Ant6 Pmax (dBm)	22.0	SISO Ant6 Plimit (dBm)	17.1	SISO Ant6 Pmax (dBm)	22.0
Ptest (dBm)	18.8	Total uncertainty (dB)	1.0	Ptest (dBm)	17.1	Total uncertainty (dB)	1.0
SAR design target (W/kg)	0.64	Back off	0	SAR design target (W/kg)	1.59	Back off	0
Measured MIMO Ptest (dBm)	18.80	Measured MIMO SAR at meas. Ptest (W/kg)	0.478	Measured MIMO Ptest (dBm)	17.10	Measured MIMO SAR at meas. Ptest (W/kg)	1.430
Reported SAR_{MIMO}	0.602	Calc.SAR	1.316	Reported SAR_{MIMO}	1.800	Calc.SAR	2.873

MIMO SAR Test results

Head SAR Test

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
ULMIMO	FR1 n77 Part 27O PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 4+6(4)	DSI2	656000	3840	14.68	15.40	1.180	-0.02	0.555	0.655
ULMIMO	FR1 n77 Part 27O PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 4+6(6)	DSI2	656000	3840	19.55	20.10	1.135	-0.02	0.555	0.630
ULMIMO	FR1 n77 Part 27Q PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 4+6(4)	DSI2	633334	3500.01	14.07	15.40	1.358	0.03	0.643	0.873
ULMIMO	FR1 n77 Part 27Q PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 4+6(6)	DSI2	633334	3500.01	19.62	20.10	1.117	0.03	0.643	0.718
ULMIMO	FR1 n77 Part 96 PC3	100M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 4+6(4)	DSI2	641666	3624.99	14.44	15.40	1.247	-0.08	0.585	0.730
ULMIMO	FR1 n77 Part 96 PC3	100M	QPSK	1	1	DFT-SCS-30KHz	Left Cheek	0mm	Ant 4+6(6)	DSI2	641666	3624.99	16.97	17.70	1.183	-0.08	0.585	0.692

Hotspot SAR Test

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
ULMIMO	FR1 n77 Part 27O PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 4+6(4)	DSI1	656000	3840	22.26	23.20	1.242	-0.02	0.654	0.812
ULMIMO	FR1 n77 Part 27O PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 4+6(6)	DSI1	656000	3840	20.56	21.30	1.186	-0.02	0.654	0.775
ULMIMO	FR1 n77 Part 27O PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 4+6(4)	DSI4	656000	3840	20.76	21.70	1.242	0.12	0.475	0.590
ULMIMO	FR1 n77 Part 27O PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 4+6(6)	DSI4	656000	3840	19.06	19.80	1.186	0.12	0.475	0.563
ULMIMO	FR1 n77 Part 27Q PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	10mm	Ant 4+6(4)	DSI1	633334	3500.01	21.77	23.20	1.390	0.02	0.704	0.979
ULMIMO	FR1 n77 Part 27Q PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	10mm	Ant 4+6(6)	DSI1	633334	3500.01	20.51	21.30	1.199	0.02	0.704	0.844
ULMIMO	FR1 n77 Part 27Q PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	10mm	Ant 4+6(4)	DSI4	633334	3500.01	20.27	21.70	1.390	-0.03	0.478	0.664
ULMIMO	FR1 n77 Part 27Q PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	10mm	Ant 4+6(6)	DSI4	633334	3500.01	19.01	19.80	1.199	-0.03	0.478	0.573
ULMIMO	FR1 n77 Part 96 PC3	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 4+6(4)	DSI1	641666	3624.99	22.02	23.20	1.312	0.01	0.745	0.978
ULMIMO	FR1 n77 Part 96 PC3	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 4+6(6)	DSI1	641666	3624.99	20.03	21.30	1.340	0.01	0.745	0.998
ULMIMO	FR1 n77 Part 96 PC3	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 4+6(4)	DSI4	641666	3624.99	20.52	21.70	1.312	0.11	0.432	0.567
ULMIMO	FR1 n77 Part 96 PC3	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	10mm	Ant 4+6(6)	DSI4	641666	3624.99	18.53	19.80	1.340	0.11	0.432	0.579

Body SAR Test

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Power Setting	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
ULMIMO	FR1 n77 Part 27O PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 4+6(4)	DSI0	656000	3840	220	22.26	23.20	1.242	0.01	0.177	0.220
ULMIMO	FR1 n77 Part 27O PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 4+6(6)	DSI0	656000	3840	205	19.55	20.10	1.135	0.01	0.177	0.201
ULMIMO	FR1 n77 Part 27Q PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 4+6(4)	DSI0	633334	3500.01	220	21.81	23.20	1.377	0.09	0.235	0.324
ULMIMO	FR1 n77 Part 27Q PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 4+6(6)	DSI0	633334	3500.01	205	19.62	20.10	1.117	0.09	0.235	0.262
ULMIMO	FR1 n77 Part 96 PC3	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 4+6(4)	DSI0	641666	3624.99	220	22.02	23.20	1.312	-0.05	0.245	0.321
ULMIMO	FR1 n77 Part 96 PC3	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 4+6(6)	DSI0	641666	3624.99	205	19.01	20.10	1.285	-0.05	0.245	0.315

Extremity SAR Test

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
ULMIMO	FR1 n77 Part 27O PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Front	0mm	Ant 4+6(4)	DSI0	656000	3840	22.19	23.20	1.262	-0.03	0.882	1.113
ULMIMO	FR1 n77 Part 27O PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Front	0mm	Ant 4+6(6)	DSI0	656000	3840	19.53	20.10	1.140	-0.03	0.882	1.006
ULMIMO	FR1 n77 Part 27O PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Front	0mm	Ant 4+6(4)	DSI5	656000	3840	20.69	21.70	1.262	0.08	0.515	0.650
ULMIMO	FR1 n77 Part 27O PC2	100M	QPSK	135	69	DFT-SCS-30KHz	Front	0mm	Ant 4+6(6)	DSI5	656000	3840	17.55	18.10	1.135	0.08	0.515	0.585
ULMIMO	FR1 n77 Part 27Q PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Front	0mm	Ant 4+6(4)	DSI0	633334	3500.01	21.81	23.20	1.377	0.09	0.923	1.271
ULMIMO	FR1 n77 Part 27Q PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Front	0mm	Ant 4+6(6)	DSI0	633334	3500.01	19.62	20.10	1.117	0.09	0.923	1.031
ULMIMO	FR1 n77 Part 27Q PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Front	0mm	Ant 4+6(4)	DSI5	633334	3500.01	20.31	21.70	1.377	-0.08	0.531	0.731
ULMIMO	FR1 n77 Part 27Q PC2	100M	QPSK	1	1	DFT-SCS-30KHz	Front	0mm	Ant 4+6(6)	DSI5	633334	3500.01	17.62	18.10	1.117	-0.08	0.531	0.593
ULMIMO	FR1 n77 Part 96 PC3	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	0mm	Ant 4+6(4)	DSI0	641666	3624.99	22.02	23.20	1.312	-0.02	1.950	2.559
ULMIMO	FR1 n77 Part 96 PC3	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	0mm	Ant 4+6(6)	DSI0	641666	3624.99	19.01	20.10	1.285	-0.02	1.950	2.506
ULMIMO	FR1 n77 Part 96 PC3	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	0mm	Ant 4+6(4)	DSI5	641666	3624.99	20.52	21.70	1.312	0.14	1.430	1.876
ULMIMO	FR1 n77 Part 96 PC3	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	0mm	Ant 4+6(6)	DSI5	641666	3624.99	17.01	18.10	1.285	0.14	1.430	1.838