

Ant 7 n7 SA/NSA Down power / DSI 3/5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000	19.4	0.0	
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	18.55	18.84	18.86			
20	PI/2 BPSK	1	53	18.76	18.82	18.80	19.4	0.0	
20	PI/2 BPSK	1	104	18.79	18.80	18.79			
20	PI/2 BPSK	50	0	18.50	18.77	18.61			
20	PI/2 BPSK	50	28	18.67	18.88	18.90	19.4	0.0	
20	PI/2 BPSK	50	56	18.88	18.73	18.58	19.4	0.0	
20	PI/2 BPSK	100	0	18.82	18.61	18.69			
20	QPSK	1	1	18.86	18.95	18.63			
20	QPSK	1	53	18.78	18.81	18.84	19.4	0.0	
20	QPSK	1	104	18.69	18.76	18.50			
20	QPSK	50	0	18.75	18.52	18.54		0.0	
20	QPSK	50	28	18.79	18.80	18.68	19.4	0.0	
20	QPSK	50	56	18.51	18.59	18.39	19.4	0.0	
20	QPSK	100	0	18.46	18.46	18.70			
20	16QAM	1	1	18.59	18.30	18.37		0.0	
20	64QAM	1	1	18.60	18.68	18.54	19.4	0.0	
20	256QAM	1	1	18.93	18.99	18.85	17.9	1.5	
Channel				501500	507000	512500	19.4	0.0	
Frequency (MHz)				2507.5	2535	2562.5			
15	PI/2 BPSK	1	1	18.52	18.49	18.43		0.0	
Channel				501000	507000	513000	19.4	0.0	
Frequency (MHz)				2505	2535	2565			
10	PI/2 BPSK	1	1	18.51	18.47	18.45		0.0	
Channel				500500	507000	513500	19.4	0.0	
Frequency (MHz)				2502.5	2535	2567.5			
5	PI/2 BPSK	1	1	18.51	18.53	18.42		0.0	

Ant 7 n7 SA/NSA Down power / DSI 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000	20.4	0.0	
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	19.73	19.81	19.64			
20	PI/2 BPSK	1	53	19.87	19.91	19.85	20.4	0.0	
20	PI/2 BPSK	1	104	20.12	20.21	20.08			
20	PI/2 BPSK	50	0	19.76	19.83	19.77		0.0	
20	PI/2 BPSK	50	28	19.94	19.99	19.86	20.4	0.0	
20	PI/2 BPSK	50	56	20.14	20.15	20.09	20.4	0.0	
20	PI/2 BPSK	100	0	19.90	20.00	19.89			
20	QPSK	1	1	20.04	20.28	20.25			
20	QPSK	1	53	20.01	20.07	19.94	20.4	0.0	
20	QPSK	1	104	20.26	20.08	20.25			
20	QPSK	50	0	19.86	19.89	19.83		0.0	
20	QPSK	50	28	19.96	20.19	19.88	20.4	0.0	
20	QPSK	50	56	20.15	20.12	20.13	20.4	0.0	
20	QPSK	100	0	19.96	19.97	19.86			
20	16QAM	1	1	19.61	19.64	19.54		0.0	
20	64QAM	1	1	19.42	19.46	19.36	19.9	0.5	
20	256QAM	1	1	18.61	18.83	18.75	17.9	2.5	
Channel				501500	507000	512500	19.4	0.0	
Frequency (MHz)				2507.5	2535	2562.5			
15	PI/2 BPSK	1	1	19.70	19.73	19.58		0.0	
Channel				501000	507000	513000	19.4	0.0	
Frequency (MHz)				2505	2535	2565			
10	PI/2 BPSK	1	1	19.71	19.75	19.55		0.0	
Channel				500500	507000	513500	19.4	0.0	
Frequency (MHz)				2502.5	2535	2567.5			
5	PI/2 BPSK	1	1	19.71	19.74	19.58		0.0	

Ant8 n77 PC3 SA Full Power

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 656000	Power Middle Ch. / Freq. 656000	Power High Ch. / Freq. 662000	Tune-up limit (dBm)	MPR (dB)
Channel				3750	3840	3930	26.0	0.0
Frequency (MHz)								
100	PI/2 BPSK	1	1	24.92	24.98	24.91		
100	PI/2 BPSK	1	137	24.75	24.86	24.81		
100	PI/2 BPSK	1	271	24.74	24.85	24.79	26.0	0.0
100	PI/2 BPSK	135	0	24.35	24.41	24.35		
100	PI/2 BPSK	135	69	24.76	24.81	24.75		
100	PI/2 BPSK	135	138	24.26	24.32	24.25		
100	PI/2 BPSK	270	0	24.22	24.28	24.23	25.5	0.5
100	QPSK	1	1	24.98	25.05	25.02	26.0	0.0
100	QPSK	1	137	24.72	24.81	24.76		
100	QPSK	1	271	24.36	24.70	24.62		
100	QPSK	135	0	23.81	23.91	23.86		
100	QPSK	135	69	24.74	24.81	24.74	26.0	0.0
100	QPSK	135	138	23.59	23.70	23.63	25.0	1.0
100	QPSK	270	0	23.78	23.85	23.80		
100	16QAM	1	1	23.53	24.04	23.97		
100	64QAM	1	1	21.86	21.93	21.89	23.5	2.5
100	256QAM	1	1	19.77	19.83	19.76	21.5	4.5
Channel				649668	656000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	PI/2 BPSK	1	1	24.71	24.84	24.79	26.0	0.0
Channel				649334	656000	662668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	PI/2 BPSK	1	1	24.74	24.77	24.73	26.0	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	PI/2 BPSK	1	1	24.74	24.81	24.71	26.0	0.0
Channel				648668	656000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	PI/2 BPSK	1	1	24.88	24.93	24.87	26.0	0.0
Channel				648334	656000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	PI/2 BPSK	1	1	24.84	24.87	24.80	26.0	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	PI/2 BPSK	1	1	24.75	24.63	24.78	26.0	0.0
Channel				647968	656000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	PI/2 BPSK	1	1	24.59	24.91	24.83	25.0	0.0
Channel				647334	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	PI/2 BPSK	1	1	24.78	24.68	24.58	26.0	0.0

Ant8 n77 HPUE SA Full Power

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 656000	Power Middle Ch. / Freq. 656000	Power High Ch. / Freq. 662000	Tune-up limit (dBm)	MPR (dB)
Channel				3750	3840	3930	27.5	0.0
Frequency (MHz)								
100	PI/2 BPSK	1	1	26.02	26.24	26.18		
100	PI/2 BPSK	1	137	26.22	26.44	26.39		
100	PI/2 BPSK	1	271	26.18	26.26	26.16	27.5	0.0
100	PI/2 BPSK	135	0	25.57	25.74	25.68		
100	PI/2 BPSK	135	69	26.15	26.34	26.19		
100	PI/2 BPSK	135	138	25.62	25.79	25.73		
100	PI/2 BPSK	270	0	25.69	25.87	25.71	27.0	0.5
100	QPSK	1	1	26.33	26.52	26.28	27.5	0.0
100	QPSK	1	137	26.46	26.51	26.45		
100	QPSK	1	271	26.22	26.44	26.38		
100	QPSK	135	0	25.06	25.22	25.13		
100	QPSK	135	69	26.33	26.45	26.35	27.5	0.0
100	QPSK	135	138	25.08	25.31	25.25	26.5	1.0
100	QPSK	270	0	25.30	25.39	25.28		
100	16QAM	1	1	25.14	25.32	25.22		
100	64QAM	1	1	23.90	24.04	23.94	25.0	2.5
100	256QAM	1	1	21.72	21.82	21.68	23.0	4.5
Channel				649668	656000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	PI/2 BPSK	1	1	26.16	26.31	26.23	27.5	0.0
Channel				649334	656000	663668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	PI/2 BPSK	1	1	25.95	26.12	26.06	27.5	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	PI/2 BPSK	1	1	26.13	26.28	26.26	27.5	0.0
Channel				648668	656000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	PI/2 BPSK	1	1	25.90	26.13	26.05	27.5	0.0
Channel				648334	656000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	PI/2 BPSK	1	1	26.05	26.20	25.99	27.5	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	PI/2 BPSK	1	1	26.03	25.98	25.92	27.5	0.0
Channel				647668	656000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	PI/2 BPSK	1	1	25.00	26.12	26.03	27.5	0.0
Channel				647334	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	PI/2 BPSK	1	1	25.92	25.98	25.99	27.5	0.0

Ant8 n77 PC3/HPUE SA Down power / DSI 3

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	3840	3930		
100	PV2 BPSK	1	1	20.92	21.11	21.00		
100	PV2 BPSK	1	137	21.15	21.09	20.91	22.0	0.0
100	PV2 BPSK	1	271	21.25	21.01	20.77		
100	PV2 BPSK	135	0	20.89	21.07	21.02		
100	PV2 BPSK	135	69	21.16	21.06	20.99	22.0	0.0
100	PV2 BPSK	135	138	21.21	20.94	21.02		
100	PV2 BPSK	270	0	21.05	21.07	20.95	22.0	0.0
100	QPSK	1	1	21.14	21.06	21.06		
100	QPSK	1	137	20.92	21.07	21.13	22.0	0.0
100	QPSK	1	271	20.74	20.96	21.16		
100	QPSK	135	0	21.11	20.99	20.79		
100	QPSK	135	69	21.21	21.06	20.97	22.0	0.0
100	QPSK	135	138	20.88	21.15	21.08		
100	QPSK	270	0	21.03	20.96	20.91	22.0	0.0
100	16QAM	1	1	21.19	21.19	21.11	22.0	0.0
100	64QAM	1	1	20.51	20.38	20.42	22.0	0.0
100	256QAM	1	1	20.19	20.20	20.16	22.0	0.0
Channel				649698	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	PV2 BPSK	1	1	21.11	21.19	21.07	22.0	0.0
Channel				649334	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	PV2 BPSK	1	1	20.75	20.95	20.88	22.0	0.0
Channel				648000	650000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3726	3840	3945		
70	PV2 BPSK	1	1	20.82	21.06	20.85	22.0	0.0
Channel				648698	650000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	PV2 BPSK	1	1	20.96	21.08	20.86	22.0	0.0
Channel				648334	650000	663566	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	PV2 BPSK	1	1	21.09	20.97	21.07	22.0	0.0
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3722	3840	3960		
40	PV2 BPSK	1	1	21.01	21.08	21.10	22.0	0.0
Channel				647698	650000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	PV2 BPSK	1	1	21.13	21.16	21.06	22.0	0.0
Channel				648334	650000	663566	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	PV2 BPSK	1	1	21.06	21.09	21.12	22.0	0.0

Ant8 n77 PC3/HPUE SA Down power / DSI 1/5

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	3840	3930		
100	PV2 BPSK	1	1	20.81	20.86	20.57		
100	PV2 BPSK	1	137	20.70	20.71	20.64	21.5	0.0
100	PV2 BPSK	1	271	20.59	20.60	20.54		
100	PV2 BPSK	135	0	20.48	20.56	20.41		
100	PV2 BPSK	135	69	20.81	20.68	20.60	21.5	0.0
100	PV2 BPSK	135	138	20.50	20.59	20.43		
100	PV2 BPSK	270	0	20.59	20.55	20.50	21.5	0.0
100	QPSK	1	1	20.73	20.74	20.45		
100	QPSK	1	137	20.72	20.72	20.65	21.5	0.0
100	QPSK	1	271	20.50	20.58	20.42		
100	QPSK	135	0	20.53	20.58	20.44		
100	QPSK	135	69	20.62	20.67	20.58	21.5	0.0
100	QPSK	135	138	20.55	20.62	20.48		
100	QPSK	270	0	20.62	20.66	20.53	21.5	0.0
100	16QAM	1	1	20.28	20.37	20.23	21.5	0.0
100	64QAM	1	1	20.85	20.69	20.64	21.5	0.0
100	256QAM	1	1	20.58	20.60	20.54	21.5	0.0
Channel				649698	650000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	PV2 BPSK	1	1	26.16	26.31	26.23	21.5	0.0
Channel				649334	650000	662500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	PV2 BPSK	1	1	25.95	26.12	26.06	21.5	0.0
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	PV2 BPSK	1	1	26.13	26.26	26.25	21.5	0.0
Channel				648698	650000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	PV2 BPSK	1	1	26.90	26.13	26.05	21.5	0.0
Channel				648334	650000	663566	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	PV2 BPSK	1	1	26.05	26.20	25.99	21.5	0.0
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	PV2 BPSK	1	1	26.03	25.98	25.92	21.5	0.0
Channel				647698	650000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	PV2 BPSK	1	1	26.00	26.12	26.03	21.5	0.0
Channel				648334	650000	663566	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	PV2 BPSK	1	1	25.92	25.98	25.96	21.5	0.0

Ant8 n77 PC3/HPUE SA Down power / DSI 4

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	3840	3930		
100	PV2 BPSK	1	1	24.92	24.98	24.91		
100	PV2 BPSK	1	137	24.75	24.86	24.81	25.5	0.0
100	PV2 BPSK	1	271	24.74	24.85	24.79		
100	PV2 BPSK	135	0	24.35	24.41	24.35		
100	PV2 BPSK	135	69	24.76	24.81	24.75	25.5	0.0
100	PV2 BPSK	135	138	24.26	24.32	24.25		
100	PV2 BPSK	270	0	24.22	24.28	24.23	25.5	0.0
100	QPSK	1	1	24.98	25.05	25.02		
100	QPSK	1	137	24.72	24.81	24.78	25.5	0.0
100	QPSK	1	271	24.58	24.70	24.62		
100	QPSK	135	0	23.81	23.91	23.86		
100	QPSK	135	69	24.74	24.81	24.74	25.5	0.0
100	QPSK	135	138	24.59	24.70	24.63		
100	QPSK	270	0	24.78	24.80	24.79	25.5	0.0
100	16QAM	1	1	24.93	25.04	24.97	25.5	0.0
100	64QAM	1	1	23.86	23.93	23.86	25.0	0.5
100	256QAM	1	1	21.77	21.83	21.76	23.0	2.5
Channel				649698	650000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	PV2 BPSK	1	1	24.71	24.84	24.79	25.5	0.0
Channel				649334	650000	662500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	PV2 BPSK	1	1	24.74	24.77	24.73	25.5	0.0
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	PV2 BPSK	1	1	24.74	24.81	24.71	25.5	0.0
Channel				648698	650000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	PV2 BPSK	1	1	24.88	24.93	24.87	25.5	0.0
Channel				648334	650000	663566	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	PV2 BPSK	1	1	24.84	24.87	24.80	25.5	0.0
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3722	3840	3960		
40	PV2 BPSK	1	1	24.75	24.63	24.76	25.5	0.0
Channel				647698	650000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	PV2 BPSK	1	1	24.88	24.91	24.88	25.5	0.0
Channel				648334	650000	663566	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	PV2 BPSK	1	1	24.78	24.68	24.58	25.5	0.0



Ant 9 n41 SA Full Power / DSI 1/4									
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				50502	51898	53000	21.1	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	Pi/2 BPSK	1	1	20.45	20.83	20.79			
100	Pi/2 BPSK	1	137	20.55	20.76	20.80	21.1	0.0	
100	Pi/2 BPSK	1	271	20.78	20.89	20.81			
100	Pi/2 BPSK	135	0	20.76	20.34	20.24			
100	Pi/2 BPSK	135	69	20.70	20.72	20.89	20.6	0.5	
100	Pi/2 BPSK	135	135	20.74	20.41	20.32			
100	Pi/2 BPSK	270	0	20.41	20.39	20.50			
100	QPSK	1	1	20.87	20.99	20.86	21.1	0.0	
100	QPSK	1	137	20.53	20.91	20.81			
100	QPSK	1	271	20.81	20.83	20.85			
100	QPSK	135	0	20.23	19.85	19.86	21.1	0.0	
100	QPSK	135	69	20.75	20.80	20.77			
100	QPSK	135	135	19.99	19.89	19.94			
100	QPSK	270	0	20.25	19.83	19.85	20.1	1.0	
100	16QAM	1	1	20.64	20.39	20.26	20.1	1.0	
100	64QAM	1	1	19.85	18.49	18.59	18.6	2.5	
100	256QAM	1	1	16.73	16.48	16.55	16.6	4.5	
Channel				506200	518988	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	Pi/2 BPSK	1	1	21.40	20.72	20.91	21.1	0.0	
Channel				512224	518998	525998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2644.99			
80	Pi/2 BPSK	1	1	21.42	20.86	20.97	21.1	0.0	
Channel				505200	518998	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2529	2592.99	2658.98			
60	Pi/2 BPSK	1	1	21.37	20.82	20.85	21.1	0.0	
Channel				524204	518998	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2654.99			
50	Pi/2 BPSK	1	1	21.22	20.73	21.06	21.1	0.0	
Channel				503202	518998	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	Pi/2 BPSK	1	1	21.28	20.90	21.05	21.1	0.0	
Channel				502200	518998	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	Pi/2 BPSK	1	1	21.28	20.89	20.88	21.1	0.0	
Channel				501204	518998	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2496.02	2592.99	2678.99			
20	Pi/2 BPSK	1	1	21.25	20.87	20.95	21.1	0.0	

Ant 9 n77 PC3 SA Full Power / DSI 1/4									
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				650003	650003	650009	26.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	Pi/2 BPSK	1	1	24.52	24.74	24.68			
100	Pi/2 BPSK	1	137	24.72	24.94	24.89	26.0	0.0	
100	Pi/2 BPSK	1	271	24.68	24.76	24.68			
100	Pi/2 BPSK	135	0	24.07	24.24	24.18			
100	Pi/2 BPSK	135	69	24.65	24.84	24.69	25.5	0.5	
100	Pi/2 BPSK	135	135	24.12	24.29	24.23			
100	Pi/2 BPSK	270	0	24.19	24.37	24.21			
100	QPSK	1	1	24.83	25.02	24.78	26.0	0.0	
100	QPSK	1	137	24.96	25.01	24.95			
100	QPSK	1	271	24.72	24.94	24.88			
100	QPSK	135	0	23.56	23.72	23.63	26.0	0.0	
100	QPSK	135	69	24.83	24.95	24.85			
100	QPSK	135	135	23.08	23.81	23.75			
100	QPSK	270	0	23.80	23.89	23.78	25.0	1.0	
100	16QAM	1	1	23.84	23.82	23.72	25.0	1.0	
100	64QAM	1	1	22.40	22.54	22.44	23.5	2.5	
100	256QAM	1	1	20.22	20.32	20.18	21.5	4.5	
Channel				648668	650000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	Pi/2 BPSK	1	1	24.06	24.81	24.73	26.0	0.0	
Channel				640334	650003	662998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	Pi/2 BPSK	1	1	24.45	24.62	24.56	26.0	0.0	
Channel				649000	650000	663009	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	Pi/2 BPSK	1	1	24.83	24.78	24.75	26.0	0.0	
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	Pi/2 BPSK	1	1	24.40	24.63	24.55	26.0	0.0	
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3952.02			
50	Pi/2 BPSK	1	1	24.55	24.70	24.49	26.0	0.0	
Channel				648000	650000	664009	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	Pi/2 BPSK	1	1	24.33	24.46	24.23	26.0	0.0	
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3963.01			
30	Pi/2 BPSK	1	1	24.15	24.65	24.52	26.0	0.0	
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	Pi/2 BPSK	1	1	24.38	24.62	24.38	26.0	0.0	

Ant 9 n77 HPUE SA Full Power / DSI 1/4									
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	27.5	0.0	
Frequency (MHz)				3750	3840	3930			
100	Pi2 BPSK	1	1	25.98	26.05	25.95			
100	Pi2 BPSK	1	137	25.98	26.10	26.02	27.5	0.0	
100	Pi2 BPSK	1	271	25.94	26.05	25.90			
100	Pi2 BPSK	135	0	25.42	25.51	25.43			
100	Pi2 BPSK	135	69	25.98	26.10	26.02	27.5	0.0	
100	Pi2 BPSK	135	135	25.51	25.60	25.52			
100	Pi2 BPSK	270	0	25.44	25.58	25.41			
100	QPSK	1	1	26.23	26.33	26.18	27.5	0.0	
100	QPSK	1	137	26.11	26.16	26.04			
100	QPSK	1	271	25.99	26.07	25.96			
100	QPSK	135	0	24.94	25.03	24.89	27.5	0.0	
100	QPSK	135	69	26.02	26.10	26.03			
100	QPSK	135	135	24.87	25.00	24.83			
100	QPSK	270	0	24.85	24.96	24.86	26.5	1.0	
100	16QAM	1	1	24.69	24.82	24.74	26.5	1.0	
100	64QAM	1	1	23.31	23.45	23.37	25.0	2.5	
100	256QAM	1	1	21.24	21.39	21.33	23.0	4.5	
Channel				649668	650000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	Pi2 BPSK	1	1	25.87	25.85	25.88	27.5	0.0	
Channel				640334	650003	662998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	Pi2 BPSK	1	1	25.78	25.97	25.83	27.5	0.0	
Channel				649000	650000	663009	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	Pi2 BPSK	1	1	25.76	25.96	25.75	27.5	0.0	
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	Pi2 BPSK	1	1	25.80	25.95	25.82	27.5	0.0	
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	Pi2 BPSK	1	1	25.84	25.91	25.86	27.5	0.0	
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	Pi2 BPSK	1	1	25.83	25.96	25.82	27.5	0.0	
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	Pi2 BPSK	1	1	25.90	26.01	25.89	27.5	0.0	
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	Pi2 BPSK	1	1	26.04	26.10	25.95	27.5	0.0	

Ant 9 n41 SA Down power / DSI 3/5									
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	19.1	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	18.43	18.46	18.41	19.1	0.0	
100	PI/2 BPSK	1	137	18.55	18.65	18.50			
100	PI/2 BPSK	1	271	18.50	18.60	18.48			
100	PI/2 BPSK	135	0	18.49	18.58	18.41	19.1	0.0	
100	PI/2 BPSK	135	69	18.60	18.69	18.53			
100	PI/2 BPSK	135	138	18.61	18.61	18.53			
100	PI/2 BPSK	270	0	18.60	18.64	18.54	19.1	0.0	
100	QPSK	1	1	18.90	18.99	18.68	19.1	0.0	
100	QPSK	1	137	18.71	18.81	18.67			
100	QPSK	1	271	18.53	18.63	18.51			
100	QPSK	135	0	18.55	18.58	18.50	19.1	0.0	
100	QPSK	135	69	18.58	18.61	18.53			
100	QPSK	135	138	18.54	18.56	18.51			
100	QPSK	270	0	18.60	18.64	18.51	19.1	0.0	
100	16QAM	1	1	18.35	18.44	18.32	19.1	0.0	
100	64QAM	1	1	18.07	18.07	18.05	18.6	0.5	
100	256QAM	1	1	15.81	15.83	15.72	16.6	2.5	
Channel				508200	518598	528996	19.1	0.0	
Frequency (MHz)				2541	2592.99	2644.98			
90	PI/2 BPSK	1	1	18.63	18.66	18.61	19.1	0.0	
Channel				507204	518598	529998	19.1	0.0	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	PI/2 BPSK	1	1	18.62	18.62	18.54	19.1	0.0	
Channel				506200	518598	531996	19.1	0.0	
Frequency (MHz)				2526	2592.99	2659.98			
60	PI/2 BPSK	1	1	18.62	18.62	18.59	19.1	0.0	
Channel				504204	518598	532996	19.1	0.0	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI/2 BPSK	1	1	18.57	18.64	18.56	19.1	0.0	
Channel				503202	518598	534000	19.1	0.0	
Frequency (MHz)				2516.01	2592.99	2670			
40	PI/2 BPSK	1	1	18.56	18.63	18.52	19.1	0.0	
Channel				502200	518598	535996	19.1	0.0	
Frequency (MHz)				2511	2592.99	2674.98			
30	PI/2 BPSK	1	1	18.56	18.60	18.54	19.1	0.0	
Channel				501204	518598	535998	19.1	0.0	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	PI/2 BPSK	1	1	18.62	18.66	18.53	19.1	0.0	

Ant 9 n77 PC3/HPUE SA Down power / DSI 3/5									
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	19.5	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	18.85	18.89	18.80	19.5	0.0	
100	PI/2 BPSK	1	137	18.96	19.00	18.95			
100	PI/2 BPSK	1	271	18.88	18.95	18.84			
100	PI/2 BPSK	135	0	18.81	18.85	18.72	19.5	0.0	
100	PI/2 BPSK	135	69	18.98	19.00	18.88			
100	PI/2 BPSK	135	138	18.89	18.95	18.88			
100	PI/2 BPSK	270	0	18.76	18.85	18.68	19.5	0.0	
100	QPSK	1	1	18.97	19.08	19.02	19.5	0.0	
100	QPSK	1	137	18.98	19.06	18.91			
100	QPSK	1	271	18.98	18.98	18.96			
100	QPSK	135	0	18.90	18.94	18.82	19.5	0.0	
100	QPSK	135	69	18.86	18.95	18.81			
100	QPSK	135	138	18.80	18.85	18.70			
100	QPSK	270	0	18.81	18.86	18.72	19.5	0.0	
100	16QAM	1	1	16.17	16.27	16.08	19.5	0.0	
100	64QAM	1	1	18.61	18.67	18.60	19.5	0.0	
100	256QAM	1	1	18.64	18.74	18.64	19.5	0.0	
Channel				649668	656000	662334	19.5	0.0	
Frequency (MHz)				3745.02	3840	3935.01			
90	PI/2 BPSK	1	1	18.79	18.86	18.74	19.5	0.0	
Channel				649334	656000	662668	19.5	0.0	
Frequency (MHz)				3740.01	3840	3940.02			
80	PI/2 BPSK	1	1	18.78	18.79	18.76	19.5	0.0	
Channel				649000	656000	663000	19.5	0.0	
Frequency (MHz)				3735	3840	3945			
70	PI/2 BPSK	1	1	18.79	18.83	18.71	19.5	0.0	
Channel				648668	656000	663334	19.5	0.0	
Frequency (MHz)				3730.02	3840	3950.01			
60	PI/2 BPSK	1	1	18.83	18.83	18.77	19.5	0.0	
Channel				648334	656000	663668	19.5	0.0	
Frequency (MHz)				3725.01	3840	3955.02			
50	PI/2 BPSK	1	1	18.81	18.83	18.75	19.5	0.0	
Channel				648000	656000	664000	19.5	0.0	
Frequency (MHz)				3720	3840	3950			
40	PI/2 BPSK	1	1	18.89	18.86	18.73	19.5	0.0	
Channel				647668	656000	664334	19.5	0.0	
Frequency (MHz)				3715.02	3840	3965.01			
30	PI/2 BPSK	1	1	18.71	18.53	18.64	19.5	0.0	
Channel				647334	656000	664668	19.5	0.0	
Frequency (MHz)				3710.01	3840	3970.02			
20	PI/2 BPSK	1	1	18.68	18.75	18.76	19.5	0.0	

Ant 2 n41 Full Power TX1_MIMO									
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				508202	518598	535200	21.5	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	20.25	20.50	20.33	21.5	0.0	
100	PI/2 BPSK	1	137	20.15	20.44	20.16			
100	PI/2 BPSK	1	271	19.03	19.10	19.06			
100	PI/2 BPSK	135	0	19.51	19.88	19.67	21.5	0.0	
100	PI/2 BPSK	135	69	20.19	20.25	20.20			
100	PI/2 BPSK	135	138	19.56	19.61	19.39			
100	PI/2 BPSK	270	0	20.13	20.34	20.17	21.5	0.0	
100	QPSK	1	1	20.28	20.53	20.21	21.5	0.0	
100	QPSK	1	137	20.28	20.23	20.09			
100	QPSK	1	271	18.33	18.65	18.46			
100	QPSK	135	0	19.08	19.27	19.13	21.5	0.0	
100	QPSK	135	69	19.94	20.15	19.97			
100	QPSK	135	138	18.53	18.84	18.47			
100	QPSK	270	0	20.13	20.11	20.07	21.5	0.0	
100	16QAM	1	1	19.96	20.09	19.93	21.5	0.0	
100	64QAM	1	1	19.92	20.03	19.96	21.5	0.0	
100	256QAM	1	1	20.11	20.13	19.92	21.5	0.0	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	PI/2 BPSK	1	1	20.16	20.23	20.05	21.5	0.0	
Channel				507204	518598	527993	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	PI/2 BPSK	1	1	20.03	20.31	20.18	21.5	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	PI/2 BPSK	1	1	20.09	20.28	20.06	21.5	0.0	
Channel				503204	518598	532993	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI/2 BPSK	1	1	20.10	20.36	20.13	21.5	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	PI/2 BPSK	1	1	20.17	20.23	20.01	21.5	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	PI/2 BPSK	1	1	20.12	20.46	19.93	21.5	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	PI/2 BPSK	1	1	20.25	20.35	20.10	21.5	0.0	



Ant 2 n41 TX1_MIMO Down Power / DSI 1/5								
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				509200	518598	528000	16.0	0.0
Frequency (MHz)				2548.01	2592.99	2640		
100	Pi2 BPSK	1	1	14.66	14.92	14.75		
100	Pi2 BPSK	1	137	14.55	14.86	14.78		
100	Pi2 BPSK	1	271	13.62	13.65	13.55	16.0	0.0
100	Pi2 BPSK	135	0	13.92	14.49	14.11		
100	Pi2 BPSK	135	69	14.63	14.63	14.68		
100	Pi2 BPSK	135	138	13.99	13.99	13.91		
100	Pi2 BPSK	270	0	14.56	14.90	14.65	16.0	0.0
100	QPSK	1	1	14.73	14.96	14.75		
100	QPSK	1	137	14.80	14.83	14.53		
100	QPSK	1	271	12.81	13.04	12.89		
100	QPSK	135	0	13.54	13.73	13.85	16.0	0.0
100	QPSK	135	69	14.36	14.62	14.37		
100	QPSK	135	138	12.92	13.36	12.99		
100	QPSK	270	0	14.60	14.68	14.69		
100	16QAM	1	1	14.59	14.59	14.48	16.0	0.0
100	64QAM	1	1	14.34	14.60	14.58	16.0	0.0
100	256QAM	1	1	14.72	14.50	14.33	16.0	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98	(dB)	(dB)
90	Pi2 BPSK	1	1	14.58	14.74	14.65	16.0	0.0
Channel				507200	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99	(dB)	(dB)
80	Pi2 BPSK	1	1	14.58	14.91	14.71	16.0	0.0
Channel				506200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98	(dB)	(dB)
60	Pi2 BPSK	1	1	14.53	14.60	14.49	16.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99	(dB)	(dB)
50	Pi2 BPSK	1	1	14.59	14.82	14.69	16.0	0.0
Channel				503200	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670	(dB)	(dB)
40	Pi2 BPSK	1	1	14.67	14.69	14.41	16.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98	(dB)	(dB)
30	Pi2 BPSK	1	1	14.60	14.84	14.30	16.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99	(dB)	(dB)
20	Pi2 BPSK	1	1	14.75	14.88	14.54	16.0	0.0

Ant 2 n41 TX1_MIMO Down Power / DSI 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	18.0	0.0
Frequency (MHz)				2548.01	2592.99	2640		
100	Pi2 BPSK	1	1	16.61	16.83	16.58		
100	Pi2 BPSK	1	137	16.66	16.71	16.60		
100	Pi2 BPSK	1	271	16.66	16.76	16.61	18.0	0.0
100	Pi2 BPSK	135	0	16.79	16.82	16.74		
100	Pi2 BPSK	135	69	16.78	16.80	16.74		
100	Pi2 BPSK	135	138	16.75	16.80	16.68		
100	Pi2 BPSK	270	0	16.84	16.78	16.95	18.0	0.0
100	QPSK	1	1	16.57	16.84	16.51		
100	QPSK	1	137	16.58	16.68	16.50		
100	QPSK	1	271	16.63	16.71	16.54		
100	QPSK	135	0	16.39	16.47	16.35	18.0	0.0
100	QPSK	135	69	16.37	16.49	16.35		
100	QPSK	135	138	16.41	16.46	16.32		
100	QPSK	270	0	16.26	16.39	16.23		
100	16QAM	1	1	16.46	16.63	16.46	18.0	0.0
100	64QAM	1	1	16.59	16.63	16.44	18.0	0.0
100	256QAM	1	1	16.58	16.58	16.45	18.0	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98	(dB)	(dB)
90	Pi2 BPSK	1	1	16.39	16.45	16.34	18.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99	(dB)	(dB)
80	Pi2 BPSK	1	1	16.37	16.48	16.34	18.0	0.0
Channel				506200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98	(dB)	(dB)
60	Pi2 BPSK	1	1	16.38	16.42	16.30	18.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99	(dB)	(dB)
50	Pi2 BPSK	1	1	16.28	16.41	16.24	18.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670	(dB)	(dB)
40	Pi2 BPSK	1	1	16.30	16.22	16.14	18.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98	(dB)	(dB)
30	Pi2 BPSK	1	1	16.31	16.22	16.14	18.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99	(dB)	(dB)
20	Pi2 BPSK	1	1	16.36	16.26	16.21	18.0	0.0

Ant 2 n41 TX1_MIMO Down Power / DSI 3								
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	17.0	0.0
Frequency (MHz)				2548.01	2592.99	2640		
100	Pi2 BPSK	1	1	15.13	14.72	14.82		
100	Pi2 BPSK	1	137	15.22	14.90	14.90		
100	Pi2 BPSK	1	271	14.87	14.82	14.77	17.0	0.0
100	Pi2 BPSK	135	0	15.35	14.93	15.02		
100	Pi2 BPSK	135	69	15.31	15.01	15.09		
100	Pi2 BPSK	135	138	15.17	14.91	14.97		
100	Pi2 BPSK	270	0	15.26	14.98	14.95	17.0	0.0
100	QPSK	1	1	15.35	15.36	15.16		
100	QPSK	1	137	15.15	15.33	15.10		
100	QPSK	1	271	15.31	15.19	15.15		
100	QPSK	135	0	15.24	15.01	15.05	17.0	0.0
100	QPSK	135	69	15.20	15.26	15.12		
100	QPSK	135	138	15.18	15.16	14.99		
100	QPSK	270	0	15.21	15.23	15.07		
100	16QAM	1	1	15.33	14.88	14.89	17.0	0.0
100	64QAM	1	1	15.21	14.87	14.86	17.0	0.0
100	256QAM	1	1	15.35	14.88	14.88	17.0	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98	(dB)	(dB)
90	Pi2 BPSK	1	1	15.31	15.03	15.02	17.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99	(dB)	(dB)
80	Pi2 BPSK	1	1	15.15	14.85	14.86	17.0	0.0
Channel				506200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98	(dB)	(dB)
60	Pi2 BPSK	1	1	15.30	14.90	14.82	17.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99	(dB)	(dB)
50	Pi2 BPSK	1	1	15.11	15.03	14.61	17.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670	(dB)	(dB)
40	Pi2 BPSK	1	1	15.24	15.13	14.98	17.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98	(dB)	(dB)
30	Pi2 BPSK	1	1	15.20	15.17	15.20	17.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99	(dB)	(dB)
20	Pi2 BPSK	1	1	15.20	15.00	15.05	17.0	0.0

Ant 3 n41 Full Power TX0_MIMO

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				5050.02	5185.98	5300.00	21.5	0.0
Frequency (MHz)				2548.01	2582.98	2640		
100	Pi2 BPSK	1	1	20.21	20.31	20.19	21.5	0.0
100	Pi2 BPSK	1	137	20.32	20.57	20.22		
100	Pi2 BPSK	1	271	20.41	20.48	20.34		
100	Pi2 BPSK	135	0	19.74	19.95	19.90		
100	Pi2 BPSK	135	69	20.46	20.57	20.31	21.5	0.0
100	Pi2 BPSK	135	138	19.76	20.02	19.82		
100	Pi2 BPSK	270	0	20.30	20.32	20.04		
100	QPSK	1	1	20.37	20.64	20.29		
100	QPSK	1	137	20.39	20.57	20.29	21.5	0.0
100	QPSK	1	271	20.39	20.52	20.42		
100	QPSK	135	0	19.35	19.42	19.25		
100	QPSK	135	69	20.39	20.50	20.35		
100	QPSK	135	138	19.39	19.42	19.16	21.5	0.0
100	QPSK	270	0	20.10	20.36	19.99		
100	16QAM	1	1	19.49	19.63	19.46		
100	16QAM	1	1	19.47	19.67	19.28		
100	256QAM	1	1	19.92	20.10	19.81	21.5	0.0
Channel				5080.00	5185.98	5289.96		
Frequency (MHz)				2541	2582.98	2644.98	21.5	0.0
90	Pi2 BPSK	1	1	20.38	20.50	20.31		
Channel				5070.04	5185.98	5299.93	21.5	0.0
Frequency (MHz)				2538.02	2582.98	2649.99		
80	Pi2 BPSK	1	1	20.34	20.61	20.20	21.5	0.0
Channel				5050.00	5185.98	5319.96		
Frequency (MHz)				2526	2582.98	2659.98	21.5	0.0
60	Pi2 BPSK	1	1	20.20	20.29	20.18		
Channel				5042.04	5185.98	5329.93	21.5	0.0
Frequency (MHz)				2512.02	2582.98	2664.99		
50	Pi2 BPSK	1	1	20.44	20.57	20.39	21.5	0.0
Channel				5032.02	5185.98	5340.00		
Frequency (MHz)				2518.01	2582.98	2670	21.5	0.0
40	Pi2 BPSK	1	1	20.30	20.62	20.22		
Channel				5020.00	5185.98	5349.95	21.5	0.0
Frequency (MHz)				2511	2582.98	2674.98		
30	Pi2 BPSK	1	1	20.42	20.53	20.27	21.5	0.0
Channel				5012.04	5185.98	5359.95		
Frequency (MHz)				2504.02	2582.98	2678.99	21.5	0.0
20	Pi2 BPSK	1	1	20.35	20.60	20.21		

Ant 3 n77A PC3 Full Power TX0_MIMO

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				6500.00	6600.00	6650.00	21.5	0.0
Frequency (MHz)				3750	3840	3930		
100	Pi2 BPSK	1	1	19.96	20.11	20.07	21.5	0.0
100	Pi2 BPSK	1	137	20.07	20.24	20.20		
100	Pi2 BPSK	1	271	19.90	19.98	20.13		
100	Pi2 BPSK	135	0	20.04	20.20	20.17		
100	Pi2 BPSK	135	69	20.03	20.10	20.14	21.5	0.0
100	Pi2 BPSK	135	138	19.94	20.08	20.14		
100	Pi2 BPSK	270	0	20.03	20.19	20.12		
100	QPSK	1	1	19.89	20.25	19.99		
100	QPSK	1	137	20.16	19.99	20.12	21.5	0.0
100	QPSK	1	271	19.76	19.90	19.96		
100	QPSK	135	0	20.15	20.21	20.19		
100	QPSK	135	69	20.14	20.24	20.13		
100	QPSK	135	138	20.20	20.23	20.16	21.5	0.0
100	QPSK	270	0	20.14	20.16	20.16		
100	16QAM	1	1	20.16	20.20	20.23		
100	16QAM	1	1	20.20	20.19	20.21		
100	256QAM	1	1	20.19	20.15	20.22	21.5	0.0
Channel				6496.68	6500.00	6502.34		
Frequency (MHz)				3745.02	3840	3935.01	21.5	0.0
90	Pi2 BPSK	1	1	19.98	19.98	19.28		
Channel				6493.34	6500.00	6505.66	21.5	0.0
Frequency (MHz)				3740.01	3840	3940.02		
80	Pi2 BPSK	1	1	19.95	19.40	19.23	21.5	0.0
Channel				6490.00	6500.00	6500.00		
Frequency (MHz)				3735	3840	3945	21.5	0.0
70	Pi2 BPSK	1	1	19.33	19.20	19.40		
Channel				6486.68	6500.00	6503.34	21.5	0.0
Frequency (MHz)				3730.02	3840	3950.01		
60	Pi2 BPSK	1	1	19.54	19.32	19.46	21.5	0.0
Channel				6483.34	6500.00	6506.68		
Frequency (MHz)				3725.01	3840	3955.02	21.5	0.0
50	Pi2 BPSK	1	1	19.98	20.05	19.89		
Channel				6480.00	6500.00	6504.00	21.5	0.0
Frequency (MHz)				3720	3840	3960		
40	Pi2 BPSK	1	1	19.99	20.14	20.18	21.5	0.0
Channel				6476.68	6500.00	6504.34		
Frequency (MHz)				3715.02	3840	3965.01	21.5	0.0
30	Pi2 BPSK	1	1	19.71	19.81	19.95		
Channel				6473.34	6500.00	6506.68	21.5	0.0
Frequency (MHz)				3710.01	3840	3970.02		
20	Pi2 BPSK	1	1	19.84	19.95	19.97	21.5	0.0

Ant 3 n77A HPUE Full Power TX0_MIMO

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				6600.000	6600.000	6620.000				
Frequency (MHz)				3750	3840	3930				
100	Pi2 BPSK	1	1	22.12	22.11	22.07	23.0	0.0		
100	Pi2 BPSK	1	137	21.95	21.91	21.76				
100	Pi2 BPSK	1	271	21.77	21.83	21.98				
100	Pi2 BPSK	135	0	21.63	21.76	21.79				
100	Pi2 BPSK	135	69	21.81	21.82	21.74	23.0	0.0		
100	Pi2 BPSK	135	138	21.63	21.61	21.57				
100	Pi2 BPSK	270	0	21.71	21.73	21.77				
100	QPSK	1	1	21.92	22.13	21.90				
100	QPSK	1	137	21.90	21.83	21.89	23.0	0.0		
100	QPSK	1	271	21.99	21.84	22.06				
100	QPSK	135	0	21.15	21.25	21.38				
100	QPSK	135	69	21.72	21.75	21.64				
100	QPSK	135	138	21.21	21.13	21.26	23.0	0.0		
100	QPSK	270	0	21.18	21.12	21.32				
100	16QAM	1	1	21.48	21.42	21.42				
100	16QAM	1	1	21.20	21.33	21.26				
100	256QAM	1	1	18.90	18.97	19.07	20.5	2.5		
Channel				6696.688	6500.000	6623.344	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3745.02	3840	3935.01				
90	Pi2 BPSK	1	1	21.90	22.13	21.82	23.0	0.0		
Channel				6493.344	6500.000	6505.666				
Frequency (MHz)				3740.01	3840	3940.02				
80	Pi2 BPSK	1	1	22.04	22.10	21.93			23.0	0.0
Channel				6490.000	6500.000	6500.000				
Frequency (MHz)				3735	3840	3945				
70	Pi2 BPSK	1	1	22.00	22.12	21.90	23.0	0.0		
Channel				6486.688	6500.000	6503.344				
Frequency (MHz)				3730.02	3840	3950.01				
60	Pi2 BPSK	1	1	21.85	22.05	21.86			23.0	0.0
Channel				6483.344	6500.000	6506.688				
Frequency (MHz)				3725.01	3840	3955.02				
50	Pi2 BPSK	1	1	21.81	21.97	21.79	23.0	0.0		
Channel				6480.000	6500.000	6504.000				
Frequency (MHz)				3720	3840	3960				
40	Pi2 BPSK	1	1	21.85	21.91	21.78			23.0	0.0
Channel				6476.688	6500.000	6504.344				
Frequency (MHz)				3715.02	3840	3965.01				
30	Pi2 BPSK	1	1	21.94	21.93	21.98	23.0	0.0		
Channel				6473.344	6500.000	6506.688				
Frequency (MHz)				3710	3840	3962				
20	Pi2 BPSK	1	1	21.85	21.92	21.92			23.0	0.0



Ant 3 n41 TX0_MIMO Down Power / DSI 1/5									
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				5002.02	5189.88	5300.00	16.0	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	14.78	14.76	14.72	16.0	0.0	
100	PI2 BPSK	1	137	14.89	15.07	14.84			
100	PI2 BPSK	1	271	14.93	14.99	14.96			
100	PI2 BPSK	135	0	14.29	14.33	14.23			
100	PI2 BPSK	135	69	15.08	15.00	14.92	16.0	0.0	
100	PI2 BPSK	135	138	14.17	14.60	14.42			
100	PI2 BPSK	270	0	14.70	14.90	14.67			
100	QPSK	1	1	14.74	15.14	14.69			
100	QPSK	1	137	14.79	14.84	14.86	16.0	0.0	
100	QPSK	1	271	14.90	15.09	14.83			
100	QPSK	135	0	13.97	13.89	13.83			
100	QPSK	135	69	14.83	14.95	14.88			
100	QPSK	135	138	13.83	13.96	13.71	16.0	0.0	
100	QPSK	270	0	14.54	14.78	14.81			
100	16QAM	1	1	14.11	14.22	13.86			
100	64QAM	1	1	13.84	14.24	13.88			
100	256QAM	1	1	14.32	14.54	14.27	16.0	0.0	
Channel				506200	518998	528996			
Frequency (MHz)				2541	2592.99	2644.98	Tune-up limit (dBm)	MPR	(dB)
90	PI2 BPSK	1	1	14.64	14.73	14.60	16.0	0.0	
Channel				507204	518998	529996	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				2536.02	2592.99	2649.99	16.0	0.0	
80	PI2 BPSK	1	1	14.59	14.86	14.54	16.0	0.0	
Channel				505200	518998	531996	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				2526	2592.99	2659.98	16.0	0.0	
60	PI2 BPSK	1	1	14.54	14.70	14.38	16.0	0.0	
Channel				504204	518998	532998	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				2521.02	2592.99	2664.99	16.0	0.0	
50	PI2 BPSK	1	1	14.62	14.80	14.75	16.0	0.0	
Channel				503202	518998	534000	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				2516.01	2592.99	2670	16.0	0.0	
40	PI2 BPSK	1	1	14.59	15.01	14.54	16.0	0.0	
Channel				502200	518998	534996	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				2511	2592.99	2674.98	16.0	0.0	
30	PI2 BPSK	1	1	14.73	14.77	14.54	16.0	0.0	
Channel				501204	518998	535998	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				2496.02	2592.99	2689.99	16.0	0.0	
20	PI2 BPSK	1	1	14.63	14.95	14.41	16.0	0.0	

Ant 3 n41 TX0_MIMO Down Power / DSI 3									
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				506202	518998	530000	17.0	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	15.81	15.92	15.68	17.0	0.0	
100	PI2 BPSK	1	137	15.70	16.14	15.72			
100	PI2 BPSK	1	271	15.78	15.92	15.75			
100	PI2 BPSK	135	0	15.15	15.41	15.17			
100	PI2 BPSK	135	69	15.90	15.97	15.79	17.0	0.0	
100	PI2 BPSK	135	138	15.30	15.59	15.24			
100	PI2 BPSK	270	0	15.79	15.81	15.61			
100	QPSK	1	1	15.82	16.19	15.74			
100	QPSK	1	137	15.87	16.16	15.84	17.0	0.0	
100	QPSK	1	271	16.00	16.12	16.01			
100	QPSK	135	0	14.75	14.83	14.77			
100	QPSK	135	69	15.84	16.03	15.77			
100	QPSK	135	138	14.90	15.04	14.66	17.0	0.0	
100	QPSK	270	0	15.58	15.88	15.44			
100	16QAM	1	1	14.94	15.13	14.96			
100	64QAM	1	1	15.06	15.14	14.66			
100	256QAM	1	1	15.54	15.54	15.36	17.0	0.0	
Channel				506200	518998	528996	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				2541	2592.99	2644.98	17.0	0.0	
90	PI2 BPSK	1	1	15.57	15.77	15.67	17.0	0.0	
Channel				507204	518998	529996	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				2536.02	2592.99	2649.99	17.0	0.0	
80	PI2 BPSK	1	1	15.52	15.98	15.56	17.0	0.0	
Channel				505200	518998	531996	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				2526	2592.99	2659.98	17.0	0.0	
60	PI2 BPSK	1	1	15.51	15.72	15.33	17.0	0.0	
Channel				504204	518998	532998	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				2521.02	2592.99	2664.99	17.0	0.0	
50	PI2 BPSK	1	1	15.59	15.85	15.84	17.0	0.0	
Channel				503202	518998	534000	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				2516.01	2592.99	2670	17.0	0.0	
40	PI2 BPSK	1	1	15.53	15.92	15.64	17.0	0.0	
Channel				502200	518998	534996	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				2511	2592.99	2674.98	17.0	0.0	
30	PI2 BPSK	1	1	15.64	15.66	15.60	17.0	0.0	
Channel				501204	518998	535998	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				2496.02	2592.99	2689.99	17.0	0.0	
20	PI2 BPSK	1	1	15.52	15.96	15.35	17.0	0.0	

Ant 3 n41 TX0_MIMO Down Power / DSI 4									
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				2546.01	2592.99	2640	18.0	0.0	
Frequency (MHz)									
100	PI2 BPSK	1	1	17.07	17.15	17.01	18.0	0.0	
100	PI2 BPSK	1	137	17.06	17.19	17.00			
100	PI2 BPSK	1	271	17.13	17.21	17.04			
100	PI2 BPSK	135	0	16.89	16.97	16.85			
100	PI2 BPSK	135	69	16.87	16.99	16.85	18.0	0.0	
100	PI2 BPSK	135	138	16.91	16.96	16.82			
100	PI2 BPSK	270	0	16.76	16.89	16.73			
100	QPSK	1	1	17.11	17.23	17.08			
100	QPSK	1	137	17.16	17.21	17.10	18.0	0.0	
100	QPSK	1	271	17.16	17.26	17.11			
100	QPSK	135	0	17.29	17.32	17.24			
100	QPSK	135	69	17.28	17.30	17.24			
100	QPSK	135	138	17.25	17.30	17.18	18.0	0.0	
100	QPSK	270	0	17.14	17.28	17.15			
100	16QAM	1	1	16.96	17.13	16.96			
100	64QAM	1	1	17.09	17.13	16.94			
100	256QAM	1	1	17.06	17.06	16.95	18.0	0.0	
Channel				505200	518998	528996	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				2541	2592.99	2644.98	18.0	0.0	
90	PI2 BPSK	1	1	16.89	16.95	16.84	18.0	0.0	
Channel				507204	518998	529996	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				2536.02	2592.99	2649.99	18.0	0.0	
80	PI2 BPSK	1	1	16.87	16.98	16.84	18.0	0.0	
Channel				505200	518998	531996	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				2526	2592.99	2659.98	18.0	0.0	
60	PI2 BPSK	1	1	16.86	16.92	16.80	18.0	0.0	
Channel				504204	518998	532998	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				2521.02	2592.99	2664.99	18.0	0.0	
50	PI2 BPSK	1	1	16.78	16.91	16.74	18.0	0.0	
Channel				503202	518998	534000	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				2516.01	2592.99	2670	18.0	0.0	
40	PI2 BPSK	1	1	16.80	16.72	16.54	18.0	0.0	
Channel				502200	518998	534996	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				2511	2592.99	2674.98	18.0	0.0	
30	PI2 BPSK	1	1	16.81	16.72	16.64	18.0	0.0	
Channel				501204	518998	535998	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				2506.02	2592.99	2679.99	18.0	0.0	
20	PI2 BPSK	1	1	16.86	16.76	16.71	18.0	0.0	

Ant 3 n77 PC2/3 TX0_MIMO Down Power / DSI 1/3/5									
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	3840	3930			
100	PI2 BPSK	1	1	15.16	15.17	15.15	15.6	0.0	
100	PI2 BPSK	1	137	15.04	14.91	14.86			
100	PI2 BPSK	1	271	14.66	14.74	14.95			
100	PI2 BPSK	135	0	14.75	14.75	14.82			
100	PI2 BPSK	135	69	14.89	14.75	14.66	15.6	0.0	
100	PI2 BPSK	135	138	14.76	14.55	14.59			
100	PI2 BPSK	270	0	14.61	14.78	14.80			
100	QPSK	1	1	14.90	15.16	14.86			
100	QPSK	1	137	14.81	14.96	14.89	15.6	0.0	
100	QPSK	1	271	14.92	14.76	15.07			
100	QPSK	135	0	14.17	14.30	14.35			
100	QPSK	135	69	14.77	14.80	14.77			
100	QPSK	135	138	14.33	14.26	14.33	15.6	0.0	
100	QPSK	270	0	14.29	14.35	14.24			
100	16QAM	1	1	14.34	14.45	14.39		0.0	
100	64QAM	1	1	14.82	14.83	14.82			
100	256QAM	1	1	14.80	14.78	14.68			
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	PI2 BPSK	1	1	14.62	14.73	14.81	15.6	0.0	
Channel				649334	650000	650666			
Frequency (MHz)				3740.01	3840	3940.02	15.6	0.0	
80	PI2 BPSK	1	1	14.78	14.65	14.61			
Channel				649000	650000	650000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3940			
70	PI2 BPSK	1	1	14.91	14.65	14.80	15.6	0.0	
Channel				648668	650000	651334			
Frequency (MHz)				3730.02	3840	3950.01	15.6	0.0	
60	PI2 BPSK	1	1	14.88	14.84	14.78			
Channel				648334	650000	653668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	PI2 BPSK	1	1	14.82	14.63	14.88	15.6	0.0	
Channel				648000	650000	654000			
Frequency (MHz)				3720	3840	3960	15.6	0.0	
40	PI2 BPSK	1	1	14.78	14.82	14.91			
Channel				647668	650000	654334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	PI2 BPSK	1	1	14.82	14.98	14.77	15.6	0.0	
Channel				647334	650000	654668			
Frequency (MHz)				3710.01	3840	3970.02	15.6	0.0	
20	PI2 BPSK	1	1	14.88	14.72	14.81			

Ant 3 n77 PC2/3 TX0_MIMO Down Power / DSI 4									
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	3840	3930			
100	PI2 BPSK	1	1	17.67	17.66	17.63	18.6	0.0	
100	PI2 BPSK	1	137	17.43	17.35	17.18			
100	PI2 BPSK	1	271	17.05	17.16	17.41			
100	PI2 BPSK	135	0	17.13	17.12	17.42			
100	PI2 BPSK	135	69	17.47	17.20	17.07	18.6	0.0	
100	PI2 BPSK	135	138	17.26	17.01	17.13			
100	PI2 BPSK	270	0	17.21	17.39	17.19			
100	QPSK	1	1	17.36	17.71	17.31			
100	QPSK	1	137	17.41	17.38	17.27	18.6	0.0	
100	QPSK	1	271	17.42	17.39	17.66			
100	QPSK	135	0	16.86	16.75	16.75			
100	QPSK	135	69	17.33	17.34	17.25			
100	QPSK	135	138	16.86	16.87	16.71	18.6	0.0	
100	QPSK	270	0	16.76	16.53	16.66			
100	16QAM	1	1	17.04	16.89	16.86		0.0	
100	64QAM	1	1	17.12	17.38	17.40			
100	256QAM	1	1	17.21	17.20	17.13			
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	PI2 BPSK	1	1	17.22	17.65	17.25	18.6	0.0	
Channel				649334	650000	650666			
Frequency (MHz)				3740.01	3840	3940.02	18.6	0.0	
80	PI2 BPSK	1	1	17.69	17.36	17.44			
Channel				649000	650000	650000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	PI2 BPSK	1	1	17.47	17.44	17.31	18.6	0.0	
Channel				648668	650000	651334			
Frequency (MHz)				3730.02	3840	3950.01	18.6	0.0	
60	PI2 BPSK	1	1	17.41	17.56	17.36			
Channel				648334	650000	653668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	PI2 BPSK	1	1	17.22	17.65	17.25	18.6	0.0	
Channel				648000	650000	654000			
Frequency (MHz)				3720	3840	3960	18.6	0.0	
40	PI2 BPSK	1	1	17.48	17.32	17.65			
Channel				647668	650000	654334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	PI2 BPSK	1	1	17.35	17.45	17.25	18.6	0.0	
Channel				647334	650000	654668			
Frequency (MHz)				3710.01	3840	3970.02	18.6	0.0	
20	PI2 BPSK	1	1	17.62	17.54	17.22			

Ant 4 n77A PC3 Full Power TX0_MIMO									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000	21.5	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	20.46	20.55	20.38	21.5	0.0	
100	PI/2 BPSK	1	137	20.49	20.54	20.58			
100	PI/2 BPSK	1	271	20.21	20.31	20.59	21.5	0.0	
100	PI/2 BPSK	135	0	20.33	20.51	20.37			
100	PI/2 BPSK	135	69	20.48	20.53	20.53	21.5	0.0	
100	PI/2 BPSK	135	138	20.32	20.48	20.44			
100	PI/2 BPSK	270	0	20.41	20.40	20.47	21.5	0.0	
100	QPSK	1	1	20.54	20.65	20.57	21.5	0.0	
100	QPSK	1	137	20.61	20.32	20.57			
100	QPSK	1	271	20.08	20.23	20.34	21.5	0.0	
100	QPSK	135	0	20.57	20.53	20.55			
100	QPSK	135	69	20.58	20.59	20.56	21.5	0.0	
100	QPSK	135	138	20.62	20.57	20.52			
100	QPSK	270	0	20.52	20.50	20.62	21.5	0.0	
100	16QAM	1	1	20.63	20.62	20.60	21.5	0.0	
100	64QAM	1	1	20.58	20.51	20.52	21.5	0.0	
100	256QAM	1	1	20.52	20.62	20.59	21.5	0.0	
Channel				649668	656000	662334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)	
90	PI/2 BPSK	1	1	19.84	19.84	19.77	21.5	0.0	
Channel				649334	656000	662668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)	
80	PI/2 BPSK	1	1	19.65	19.89	19.64	21.5	0.0	
Channel				649000	656000	663000	Tune-up limit	MPR	
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)	
70	PI/2 BPSK	1	1	19.65	19.64	19.76	21.5	0.0	
Channel				648668	656000	663334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)	
60	PI/2 BPSK	1	1	19.93	19.78	19.87	21.5	0.0	
Channel				648334	656000	663668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)	
50	PI/2 BPSK	1	1	20.27	20.53	20.56	21.5	0.0	
Channel				648000	656000	664000	Tune-up limit	MPR	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	PI/2 BPSK	1	1	20.44	20.60	20.71	21.5	0.0	
Channel				647668	656000	664334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)	
30	PI/2 BPSK	1	1	20.39	20.46	20.47	21.5	0.0	
Channel				647334	656000	664668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)	
20	PI/2 BPSK	1	1	20.33	20.62	20.51	21.5	0.0	

Ant 4 n77A HPUE Full Power TX0_MIMO									
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	23.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	21.31	21.44	21.19	23.0	0.0	
100	PI/2 BPSK	1	137	21.31	21.57	21.44			
100	PI/2 BPSK	1	271	21.59	21.68	21.65	23.0	0.0	
100	PI/2 BPSK	135	0	21.34	21.45	21.71			
100	PI/2 BPSK	135	69	21.41	21.44	21.76	23.0	0.0	
100	PI/2 BPSK	135	138	21.79	21.60	21.38			
100	PI/2 BPSK	270	0	21.58	21.59	21.52	23.0	0.0	
100	QPSK	1	1	21.24	21.90	21.89	23.0	0.0	
100	QPSK	1	137	21.68	21.74	21.86			
100	QPSK	1	271	21.81	21.84	21.47	23.0	0.0	
100	QPSK	135	0	21.26	21.89	21.81			
100	QPSK	135	69	21.60	21.62	21.51	23.0	0.0	
100	QPSK	135	138	21.78	21.68	21.75			
100	QPSK	270	0	21.74	21.80	21.82	23.0	0.0	
100	16QAM	1	1	21.85	21.86	21.82	23.0	0.0	
100	64QAM	1	1	21.85	21.82	21.67	23.0	0.0	
100	256QAM	1	1	21.21	21.31	20.99	22.5	0.5	
Channel				649668	656000	662334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)	
90	PI/2 BPSK	1	1	21.90	22.13	21.82	23.0	0.0	
Channel				649334	656000	662668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)	
80	PI/2 BPSK	1	1	22.04	22.10	21.93	23.0	0.0	
Channel				649000	656000	663000	Tune-up limit	MPR	
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)	
70	PI/2 BPSK	1	1	22.00	22.12	21.90	23.0	0.0	
Channel				648668	656000	663334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)	
60	PI/2 BPSK	1	1	21.85	22.05	21.86	23.0	0.0	
Channel				648334	656000	663668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)	
50	PI/2 BPSK	1	1	21.81	21.97	21.79	23.0	0.0	
Channel				648000	656000	664000	Tune-up limit	MPR	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	PI/2 BPSK	1	1	21.85	21.91	21.78	23.0	0.0	
Channel				647668	656000	664334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)	
30	PI/2 BPSK	1	1	21.94	21.93	21.98	23.0	0.0	
Channel				647334	656000	664668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)	
20	PI/2 BPSK	1	1	21.85	21.92	21.92	23.0	0.0	

Ant 4 n77 PC2/3 TX0_MIMO DSI 1/3/5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000	17.5	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	15.80	15.92	15.70	17.5	0.0	
100	PI/2 BPSK	1	137	15.85	16.02	15.62			
100	PI/2 BPSK	1	271	15.98	16.13	16.21	17.5	0.0	
100	PI/2 BPSK	135	0	15.76	15.85	16.31			
100	PI/2 BPSK	135	69	16.00	15.83	16.27	17.5	0.0	
100	PI/2 BPSK	135	138	16.41	16.03	15.78			
100	PI/2 BPSK	270	0	15.99	15.96	16.00	17.5	0.0	
100	QPSK	1	1	16.28	16.47	16.41	17.5	0.0	
100	QPSK	1	137	16.06	16.14	16.35			
100	QPSK	1	271	16.29	16.36	16.01	17.5	0.0	
100	QPSK	135	0	15.65	16.46	16.28			
100	QPSK	135	69	16.01	16.09	15.75	17.5	0.0	
100	QPSK	135	138	16.32	16.33	16.20			
100	QPSK	270	0	16.22	16.30	16.36	17.5	0.0	
100	16QAM	1	1	16.34	16.40	16.27	17.5	0.0	
100	64QAM	1	1	16.24	16.31	15.95	17.5	0.0	
100	256QAM	1	1	15.75	15.71	15.47	17.5	0.0	
Channel				649668	656000	662334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)	
90	PI/2 BPSK	1	1	15.86	16.14	16.30	17.5	0.0	
Channel				649334	656000	662668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)	
80	PI/2 BPSK	1	1	15.86	16.18	16.35	17.5	0.0	
Channel				649000	656000	663000	Tune-up limit	MPR	
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)	
70	PI/2 BPSK	1	1	15.78	16.07	16.31	17.5	0.0	
Channel				648668	656000	663334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)	
60	PI/2 BPSK	1	1	15.88	16.10	16.37	17.5	0.0	
Channel				648334	656000	663668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)	
50	PI/2 BPSK	1	1	15.88	16.06	16.27	17.5	0.0	
Channel				648000	656000	664000	Tune-up limit	MPR	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	PI/2 BPSK	1	1	15.42	15.78	15.83	17.5	0.0	
Channel				647668	656000	664334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)	
30	PI/2 BPSK	1	1	15.78	15.55	15.28	17.5	0.0	
Channel				647334	656000	664668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)	
20	PI/2 BPSK	1	1	15.62	15.38	15.71	17.5	0.0	

Ant 4 n77 PC2/3 TX0_MIMO DSI 4									
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	19.5	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	17.82	18.03	17.66	19.5	0.0	
100	PI/2 BPSK	1	137	17.73	18.06	17.85			
100	PI/2 BPSK	1	271	18.11	18.21	18.13	19.5	0.0	
100	PI/2 BPSK	135	0	17.33	17.90	18.09			
100	PI/2 BPSK	135	69	17.80	17.82	18.28	19.5	0.0	
100	PI/2 BPSK	135	138	18.36	18.17	17.97			
100	PI/2 BPSK	270	0	17.96	18.12	18.06	19.5	0.0	
100	QPSK	1	1	18.36	18.50	18.37	19.5	0.0	
100	QPSK	1	137	18.18	18.28	18.29			
100	QPSK	1	271	18.32	18.26	17.98	19.5	0.0	
100	QPSK	135	0	17.65	18.27	18.32			
100	QPSK	135	69	18.11	18.33	17.68	19.5	0.0	
100	QPSK	135	138	18.23	18.24	18.25			
100	QPSK	270	0	18.27	18.36	18.19	19.5	0.0	
100	16QAM	1	1	18.43	18.38	18.36	19.5	0.0	
100	64QAM	1	1	18.39	18.24	17.96	19.5	0.0	
100	256QAM	1	1	17.71	17.71	17.61	19.5	0.0	
Channel				649668	656000	662334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)	
90	PI/2 BPSK	1	1	17.73	18.12	18.28	19.5	0.0	
Channel				649334	656000	662668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)	
80	PI/2 BPSK	1	1	17.60	18.02	18.32	19.5	0.0	
Channel				649000	656000	663000	Tune-up limit	MPR	
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)	
70	PI/2 BPSK	1	1	17.86	18.21	18.17	19.5	0.0	
Channel				648668	656000	663334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)	
60	PI/2 BPSK	1	1	17.83	17.95	18.30	19.5	0.0	
Channel				648334	656000	663668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)	
50	PI/2 BPSK	1	1	17.70	18.06	18.44	19.5	0.0	
Channel				648000	656000	664000	Tune-up limit	MPR	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	PI/2 BPSK	1	1	17.62	17.70	17.81	19.5	0.0	
Channel				647668	656000	664334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)	
30	PI/2 BPSK	1	1	17.65	17.72	17.83	19.5	0.0	
Channel				647334	656000	664668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)	
20	PI/2 BPSK	1	1	17.69	17.69	17.91	19.5	0.0	

Ant 6 n41 Full Power TX1_MIMO								
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				508202	518598	528000	21.5	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	20.58	20.76	20.63	21.5	0.0
100	PI/2 BPSK	1	137	20.36	20.65	20.54		
100	PI/2 BPSK	1	271	19.73	19.59	20.04	21.5	0.0
100	PI/2 BPSK	135	0	19.83	19.83	19.84		
100	PI/2 BPSK	135	69	20.54	20.24	20.60	21.5	0.0
100	PI/2 BPSK	135	138	19.75	20.11	20.15		
100	PI/2 BPSK	270	0	20.65	20.60	20.47	21.5	0.0
100	QPSK	1	1	20.44	20.83	20.79	21.5	0.0
100	QPSK	1	137	20.27	20.55	20.47		
100	QPSK	1	271	19.02	19.30	19.07	21.5	0.0
100	QPSK	135	0	19.39	19.60	19.54		
100	QPSK	135	69	20.15	20.71	20.63	21.5	0.0
100	QPSK	135	138	19.00	19.23	18.90		
100	QPSK	270	0	20.36	20.37	20.63	21.5	0.0
100	16QAM	1	1	20.24	20.37	20.25	21.5	0.0
100	64QAM	1	1	20.43	20.34	20.50	21.5	0.0
100	256QAM	1	1	20.47	20.45	20.71	21.5	0.0
Channel				508200	518598	528996	Tune-up limit	MPR
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)
90	PI/2 BPSK	1	1	20.41	20.47	20.58	21.5	0.0
Channel				507204	518598	529998	Tune-up limit	MPR
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)
80	PI/2 BPSK	1	1	20.30	20.51	20.45	21.5	0.0
Channel				508200	518598	531996	Tune-up limit	MPR
Frequency (MHz)				2538	2592.99	2659.98	(dBm)	(dB)
60	PI/2 BPSK	1	1	20.62	20.51	20.65	21.5	0.0
Channel				504204	518598	532998	Tune-up limit	MPR
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)
50	PI/2 BPSK	1	1	20.64	20.33	20.64	21.5	0.0
Channel				503202	518598	534000	Tune-up limit	MPR
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)
40	PI/2 BPSK	1	1	20.38	20.63	20.65	21.5	0.0
Channel				502200	518598	534996	Tune-up limit	MPR
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)
30	PI/2 BPSK	1	1	20.44	20.41	20.55	21.5	0.0
Channel				501204	518598	535998	Tune-up limit	MPR
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)
20	PI/2 BPSK	1	1	20.52	20.30	20.63	21.5	0.0



Ant 6 n41 TX1_MIMO DSI 1/5										
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				500202	518988	530000				
Frequency (MHz)				2546.01	2592.99	2640				
100	PI2 BPSK	1	1	12.27	12.35	12.21	13.5	0.0		
100	PI2 BPSK	1	137	12.26	12.39	12.20				
100	PI2 BPSK	1	271	12.33	12.41	12.34				
100	PI2 BPSK	135	0	12.05	12.17	12.05	13.5	0.0		
100	PI2 BPSK	135	69	12.07	12.19	12.05				
100	PI2 BPSK	135	138	12.11	12.16	12.02				
100	PI2 BPSK	270	0	11.96	12.09	11.93	13.5	0.0		
100	QPSK	1	1	12.31	12.53	12.28				
100	QPSK	1	137	12.36	12.41	12.30				
100	QPSK	1	271	12.38	12.46	12.31	13.5	0.0		
100	QPSK	135	0	12.49	12.52	12.44				
100	QPSK	135	69	12.48	12.50	12.44				
100	QPSK	135	138	12.45	12.50	12.38	13.5	0.0		
100	QPSK	270	0	12.34	12.48	12.35				
100	16QAM	1	1	12.16	12.33	12.16				0.0
100	16QAM	1	1	12.25	12.33	12.14	0.0			
100	256QAM	1	1	12.26	12.26	12.15			0.0	
Channel				502020	518988	528996	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2541	2592.99	2644.98	13.5	0.0		
90	PI2 BPSK	1	1	12.09	12.15	12.04	0.0			
Channel				507204	518993	529998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2536.02	2592.99	2649.99	13.5	0.0		
80	PI2 BPSK	1	1	12.07	12.18	12.04	0.0			
Channel				505000	518998	531996	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2526	2592.99	2659.98	13.5	0.0		
60	PI2 BPSK	1	1	12.06	12.12	12.00	0.0			
Channel				504204	518998	532998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2521.02	2592.99	2664.99	13.5	0.0		
50	PI2 BPSK	1	1	11.98	12.11	11.94	0.0			
Channel				503020	518998	534000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2516.01	2592.99	2670	13.5	0.0		
40	PI2 BPSK	1	1	12.00	11.92	11.94	0.0			
Channel				502000	518998	534996	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2511	2592.99	2674.98	13.5	0.0		
30	PI2 BPSK	1	1	12.01	11.92	11.84	0.0			
Channel				501204	518998	535998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2496.02	2592.99	2689.99	13.5	0.0		
20	PI2 BPSK	1	1	12.06	11.96	11.91	0.0			

Ant 6 n41 TX1_MIMO DSI 3									
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				508202	518998	530000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	13.63	13.80	13.58	14.5	0.0	
100	PI2 BPSK	1	137	13.28	13.76	13.62			
100	PI2 BPSK	1	271	12.67	12.70	13.08			
100	PI2 BPSK	135	0	12.93	12.96	12.62	14.5	0.0	
100	PI2 BPSK	135	69	13.87	13.24	13.57			
100	PI2 BPSK	135	138	12.74	13.14	13.04			
100	PI2 BPSK	270	0	13.62	13.64	13.42	14.5	0.0	
100	QPSK	1	1	13.51	13.86	13.71			
100	QPSK	1	137	13.25	13.59	13.45			
100	QPSK	1	271	11.90	12.22	11.99	14.5	0.0	
100	QPSK	135	0	12.40	12.65	12.46			
100	QPSK	135	69	13.13	13.06	13.46			
100	QPSK	135	138	12.10	12.25	11.98	14.5	0.0	
100	QPSK	270	0	13.47	13.50	13.54			
100	16QAM	1	1	13.33	13.28	13.30			
100	64QAM	1	1	13.47	13.22	13.42	14.5		0.0
100	256QAM	1	1	13.50	13.54	13.61	14.5		0.0
Channel				508200	518998	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	14.5		
90	PI2 BPSK	1	1	13.47	13.36	13.55	14.5		0.0
Channel				507204	518998	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99	14.5		
80	PI2 BPSK	1	1	13.33	13.55	13.59	14.5		0.0
Channel				505200	518998	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98	14.5		
60	PI2 BPSK	1	1	13.43	13.53	13.63	14.5		0.0
Channel				504204	518998	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99	14.5		
50	PI2 BPSK	1	1	13.63	13.23	13.77	14.5		0.0
Channel				503202	518998	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	14.5		
40	PI2 BPSK	1	1	13.51	13.57	13.70	14.5		0.0
Channel				502200	518998	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	14.5		
30	PI2 BPSK	1	1	13.37	13.40	13.48	14.5		0.0
Channel				501204	518998	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2496.02	2592.99	2689.99	14.5		
20	PI2 BPSK	1	1	13.62	13.20	13.54	14.5		0.0

Ant 6 n41 TX1_MIMO DSI 4									
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				2546.01	518988	530000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	14.47	14.88	14.61	15.5	0.0	
100	PI2 BPSK	1	137	14.44	14.68	14.54			
100	PI2 BPSK	1	271	13.66	13.63	14.09			
100	PI2 BPSK	135	0	13.88	13.80	13.52	15.5	0.0	
100	PI2 BPSK	135	69	14.43	14.31	14.64			
100	PI2 BPSK	135	138	13.85	14.23	14.20			
100	PI2 BPSK	270	0	14.71	14.48	14.55	15.5	0.0	
100	QPSK	1	1	14.34	14.93	14.84			
100	QPSK	1	137	14.29	14.56	14.58			
100	QPSK	1	271	12.96	13.20	13.08	15.5	0.0	
100	QPSK	135	0	13.46	13.43	13.46			
100	QPSK	135	69	14.23	14.01	14.50			
100	QPSK	135	138	13.07	13.19	12.98	15.5	0.0	
100	QPSK	270	0	14.48	14.45	14.63			
100	16QAM	1	1	14.24	14.28	14.33			
100	64QAM	1	1	14.48	14.39	14.49	15.5	0.0	
100	256QAM	1	1	14.53	14.33	14.68			
Channel				506200	518996	528996			
Frequency (MHz)				2541	2592.99	2644.98	Tune-up limit (dBm)	MPR (dB)	
90	PI2 BPSK	1	1	14.29	14.56	14.61	15.5	0.0	
Channel				507204	518998	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99	15.5	0.0	
80	PI2 BPSK	1	1	14.18	14.46	14.42	15.5	0.0	
Channel				505200	518998	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98	15.5	0.0	
60	PI2 BPSK	1	1	14.39	14.64	14.60	15.5	0.0	
Channel				504204	518998	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99	15.5	0.0	
50	PI2 BPSK	1	1	14.53	14.29	14.74	15.5	0.0	
Channel				503202	518998	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	15.5	0.0	
40	PI2 BPSK	1	1	14.31	14.60	14.58	15.5	0.0	
Channel				502000	518998	535000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	15.5	0.0	
30	PI2 BPSK	1	1	14.31	14.44	14.50	15.5	0.0	
Channel				501204	518998	536000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	15.5	0.0	
20	PI2 BPSK	1	1	14.42	14.17	14.58	15.5	0.0	



Ant 8 n77A PC3 Full Power TX1_MIMO									
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				656000	660000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	20.42	20.47	20.53	21.5	0.0	
100	PI/2 BPSK	1	137	20.38	20.54	20.66			
100	PI/2 BPSK	1	271	20.33	20.48	20.61			
100	PI/2 BPSK	135	0	20.48	20.52	20.67	21.5	0.0	
100	PI/2 BPSK	135	69	20.39	20.60	20.49			
100	PI/2 BPSK	135	138	20.29	20.58	20.58			
100	PI/2 BPSK	270	0	20.33	20.44	20.44	21.5	0.0	
100	QPSK	1	1	20.59	20.67	20.62	21.5	0.0	
100	QPSK	1	137	20.56	20.29	20.61			
100	QPSK	1	271	20.20	20.33	20.29			
100	QPSK	135	0	20.53	20.56	20.66	21.5	0.0	
100	QPSK	135	69	20.53	20.65	20.62			
100	QPSK	135	138	20.67	20.57	20.62			
100	QPSK	270	0	20.64	20.53	20.67	21.5	0.0	
100	16QAM	1	1	20.59	20.65	20.58	21.5	0.0	
100	64QAM	1	1	20.66	20.60	20.66	21.5	0.0	
100	256QAM	1	1	20.56	20.58	20.56	21.5	0.0	
Channel				649668	656000	662334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)	
90	PI/2 BPSK	1	1	19.77	19.67	19.73	21.5	0.0	
Channel				649334	656000	662668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)	
80	PI/2 BPSK	1	1	19.85	19.79	19.70	21.5	0.0	
Channel				649000	656000	663000	Tune-up limit	MPR	
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)	
70	PI/2 BPSK	1	1	19.75	19.57	19.70	21.5	0.0	
Channel				648666	656000	663334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)	
60	PI/2 BPSK	1	1	19.93	19.70	19.82	21.5	0.0	
Channel				648334	656000	663668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)	
50	PI/2 BPSK	1	1	20.29	20.58	20.38	21.5	0.0	
Channel				648000	656000	664000	Tune-up limit	MPR	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	PI/2 BPSK	1	1	20.20	20.38	20.57	21.5	0.0	
Channel				647668	656000	664334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)	
30	PI/2 BPSK	1	1	20.44	20.46	20.55	21.5	0.0	
Channel				647334	656000	664668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)	
20	PI/2 BPSK	1	1	20.37	20.57	20.62	21.5	0.0	

Ant 8 n77A HPUE Full Power TX1_MIMO									
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				656000	660000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	22.00	22.09	22.00	23.0	0.0	
100	PI/2 BPSK	1	137	21.99	22.08	21.99			
100	PI/2 BPSK	1	271	21.92	22.06	21.90			
100	PI/2 BPSK	135	0	21.89	21.98	21.95	23.0	0.0	
100	PI/2 BPSK	135	69	21.98	22.11	21.99			
100	PI/2 BPSK	135	138	22.06	22.15	21.98			
100	PI/2 BPSK	270	0	21.96	22.12	21.94	23.0	0.0	
100	QPSK	1	1	22.25	22.34	22.20	23.0	0.0	
100	QPSK	1	137	22.13	22.17	22.01			
100	QPSK	1	271	21.98	22.05	21.94			
100	QPSK	135	0	21.95	21.98	21.91	23.0	0.0	
100	QPSK	135	69	22.05	22.07	22.05			
100	QPSK	135	138	21.86	21.99	21.83			
100	QPSK	270	0	21.87	22.00	21.88	23.0	0.0	
100	16QAM	1	1	21.73	21.88	21.74	23.0	0.0	
100	64QAM	1	1	21.86	21.95	21.85	23.0	0.0	
100	256QAM	1	1	19.94	19.99	19.83	22.5	0.5	
Channel				649668	656000	662334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)	
90	PI/2 BPSK	1	1	21.89	21.91	21.91	23.0	0.0	
Channel				649334	656000	662668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)	
80	PI/2 BPSK	1	1	21.74	21.93	21.86	23.0	0.0	
Channel				649000	656000	663000	Tune-up limit	MPR	
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)	
70	PI/2 BPSK	1	1	21.71	21.90	21.75	23.0	0.0	
Channel				648666	656000	663334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)	
60	PI/2 BPSK	1	1	21.89	21.99	21.84	23.0	0.0	
Channel				648334	656000	663668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)	
50	PI/2 BPSK	1	1	21.88	21.92	21.85	23.0	0.0	
Channel				648000	656000	664000	Tune-up limit	MPR	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	PI/2 BPSK	1	1	21.72	21.95	21.88	23.0	0.0	
Channel				647668	656000	664334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)	
30	PI/2 BPSK	1	1	22.01	22.01	21.99	23.0	0.0	
Channel				647334	656000	664668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)	
20	PI/2 BPSK	1	1	21.93	21.98	21.95	23.0	0.0	



Ant 8 n77 PC2/3_MIMO TX1 DSI 1/3/5

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	660000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	16.57	16.49	16.55	17.5	0.0
100	PI/2 BPSK	1	137	16.45	16.53	16.51		
100	PI/2 BPSK	1	271	16.48	16.69	16.28		
100	PI/2 BPSK	135	0	16.46	16.58	16.58		
100	PI/2 BPSK	135	69	16.38	16.60	16.53	17.5	0.0
100	PI/2 BPSK	135	138	16.55	16.56	16.48		
100	PI/2 BPSK	270	0	16.35	16.74	16.55		
100	QPSK	1	1	16.73	16.79	16.75		
100	QPSK	1	137	16.63	16.59	16.62	17.5	0.0
100	QPSK	1	271	16.46	16.45	16.56		
100	QPSK	135	0	16.32	16.57	16.43		
100	QPSK	135	69	16.46	16.58	16.53		
100	QPSK	135	138	16.40	16.36	16.34	17.5	0.0
100	QPSK	270	0	16.26	16.62	16.45		
100	16QAM	1	1	16.16	16.30	16.37		
100	64QAM	1	1	16.44	16.40	16.36		
100	256QAM	1	1	16.12	16.24	16.17	17.5	0.0
Channel				649668	650000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	PI/2 BPSK	1	1	16.27	16.52	16.33	17.5	0.0
Channel				649334	650000	660000	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	PI/2 BPSK	1	1	16.21	16.31	16.31	17.5	0.0
Channel				649000	650000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	PI/2 BPSK	1	1	16.14	16.58	16.30	17.5	0.0
Channel				648668	650000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	PI/2 BPSK	1	1	16.31	16.45	16.30	17.5	0.0
Channel				648334	650000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	PI/2 BPSK	1	1	16.35	16.49	16.48	17.5	0.0
Channel				648000	650000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	PI/2 BPSK	1	1	16.32	16.40	16.34	17.5	0.0
Channel				647668	650000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3955.01	(dBm)	(dB)
30	PI/2 BPSK	1	1	16.36	16.30	16.41	17.5	0.0
Channel				647334	650000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	PI/2 BPSK	1	1	16.38	16.34	16.39	17.5	0.0

Ant 8 n77 PC2/3 TX1_MIMO DSI 4

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	660000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	16.62	16.48	16.56	19.5	0.0
100	PI/2 BPSK	1	137	16.35	16.59	16.52		
100	PI/2 BPSK	1	271	16.48	16.62	16.31		
100	PI/2 BPSK	135	0	16.44	16.60	16.54		
100	PI/2 BPSK	135	69	16.49	16.64	16.54	19.5	0.0
100	PI/2 BPSK	135	138	16.44	16.45	16.54		
100	PI/2 BPSK	270	0	16.44	16.65	16.83		
100	QPSK	1	1	16.79	16.87	16.64		
100	QPSK	1	137	16.59	16.61	16.62	19.5	0.0
100	QPSK	1	271	16.59	16.35	16.85		
100	QPSK	135	0	16.35	16.46	16.48		
100	QPSK	135	69	16.49	16.52	16.52		
100	QPSK	135	138	16.36	16.29	16.28	19.5	0.0
100	QPSK	270	0	16.23	16.62	16.53		
100	16QAM	1	1	16.07	16.30	16.49		
100	64QAM	1	1	16.46	16.43	16.28		
100	256QAM	1	1	16.08	16.32	16.07	19.5	0.0
Channel				649668	650000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	PI/2 BPSK	1	1	16.42	16.29	16.29	19.5	0.0
Channel				649334	650000	662668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	PI/2 BPSK	1	1	16.18	16.37	16.28	19.5	0.0
Channel				649000	650000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	PI/2 BPSK	1	1	16.10	16.30	16.21	19.5	0.0
Channel				648668	650000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	PI/2 BPSK	1	1	16.30	16.38	16.37	19.5	0.0
Channel				648334	650000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	PI/2 BPSK	1	1	16.34	16.44	16.22	19.5	0.0
Channel				648000	650000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	PI/2 BPSK	1	1	16.28	16.45	16.49	19.5	0.0
Channel				647668	650000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3955.01	(dBm)	(dB)
30	PI/2 BPSK	1	1	16.43	16.47	16.39	19.5	0.0
Channel				647334	650000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	PI/2 BPSK	1	1	16.52	16.25	16.62	19.5	0.0

Ant 9 n41 Full Power TX0_MIMO

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				5050.02	5185.98	5260.00		
Frequency (MHz)				2548.01	2582.99	2640		
100	PI2 BPSK	1	1	19.41	19.81	19.79		
100	PI2 BPSK	1	137	19.80	19.91	20.01	21.5	0.0
100	PI2 BPSK	1	271	19.78	19.90	19.77		
100	PI2 BPSK	135	0	19.72	19.37	19.22		
100	PI2 BPSK	135	69	20.22	19.85	19.85	21.5	0.0
100	PI2 BPSK	135	138	19.74	19.40	19.37		
100	PI2 BPSK	270	0	19.88	19.87	19.97	21.5	0.0
100	QPSK	1	1	20.50	20.63	20.08		
100	QPSK	1	137	19.49	19.91	19.76	21.5	0.0
100	QPSK	1	271	19.83	20.04	19.83		
100	QPSK	135	0	19.27	19.87	19.83		
100	QPSK	135	69	20.21	20.23	19.92	21.5	0.0
100	QPSK	135	138	19.00	18.85	18.98		
100	QPSK	270	0	20.25	19.93	19.85	21.5	0.0
100	16QAM	1	1	20.80	20.30	20.26	21.5	0.0
100	16QAM	1	1	18.96	18.49	18.59	20.0	1.5
100	256QAM	1	1	16.73	16.48	16.55	18.0	3.5
Channel				5080.00	5185.98	5269.96	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2582.99	2644.98		
90	PI2 BPSK	1	1	20.43	19.69	19.95	21.5	0.0
Channel				2572.04	5185.98	5259.93	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2558.02	2582.99	2649.99		
80	PI2 BPSK	1	1	20.43	19.85	20.01	21.5	0.0
Channel				5093.00	5185.98	5319.96	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2582.99	2659.98		
60	PI2 BPSK	1	1	20.42	19.85	19.84	21.5	0.0
Channel				5042.04	5185.98	5229.93	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2582.99	2664.99		
50	PI2 BPSK	1	1	20.20	19.72	20.09	21.5	0.0
Channel				5032.02	5185.98	5340.00	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.01	2582.99	2670		
40	PI2 BPSK	1	1	20.25	19.95	20.06	21.5	0.0
Channel				5023.00	5185.98	5349.95	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2582.99	2674.98		
30	PI2 BPSK	1	1	20.24	19.91	19.89	21.5	0.0
Channel				5012.04	5185.98	5359.95	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2504.02	2582.99	2679.99		
20	PI2 BPSK	1	1	20.24	19.90	20.00	21.5	0.0

Ant 9 n77A PC3 Full Power TX1_MIMO

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				6800.00	6860.00	6920.00		
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	20.12	20.35	20.27		
100	PI2 BPSK	1	137	20.18	20.51	20.41	21.5	0.0
100	PI2 BPSK	1	271	20.12	20.19	20.39		
100	PI2 BPSK	135	0	20.27	20.32	20.41		
100	PI2 BPSK	135	69	20.33	20.38	20.42	21.5	0.0
100	PI2 BPSK	135	138	20.23	20.28	20.34		
100	PI2 BPSK	270	0	20.26	20.31	20.25	21.5	0.0
100	QPSK	1	1	20.54	20.55	20.53		
100	QPSK	1	137	20.50	20.29	20.44	21.5	0.0
100	QPSK	1	271	20.25	20.26	20.39		
100	QPSK	135	0	20.48	20.34	20.52		
100	QPSK	135	69	20.40	20.48		21.5	0.0
100	QPSK	135	138	20.48	20.33	20.47		
100	QPSK	270	0	20.44	20.32	20.49	21.5	0.0
100	16QAM	1	1	20.41	20.48	20.39	21.5	0.0
100	16QAM	1	1	20.48	20.30	20.34	21.5	0.0
100	256QAM	1	1	20.48	20.33	20.32	21.5	0.0
Channel				6486.68	6560.00	6623.34	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	PI2 BPSK	1	1	20.26	20.07	20.14	21.5	0.0
Channel				6433.54	6560.00	6625.08	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	PI2 BPSK	1	1	20.06	20.21	20.05	21.5	0.0
Channel				6490.00	6560.00	6630.00	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	PI2 BPSK	1	1	20.09	20.00	20.29	21.5	0.0
Channel				6486.68	6560.00	6633.34	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	PI2 BPSK	1	1	19.90	19.82	19.80	21.5	0.0
Channel				6483.34	6560.00	6639.68	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3953.02		
50	PI2 BPSK	1	1	20.53	20.50	20.50	21.5	0.0
Channel				6480.00	6560.00	6640.00	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	PI2 BPSK	1	1	20.64	20.44	20.45	21.5	0.0
Channel				6476.68	6560.00	6643.34	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	PI2 BPSK	1	1	20.70	20.62	20.61	21.5	0.0
Channel				6473.34	6560.00	6646.68	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	PI2 BPSK	1	1	20.52	20.65	20.53	21.5	0.0

Ant 9 n77A HPUE Full Power TX1_MIMO

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				6800.00	6860.00	6920.00		
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	21.59	21.90	21.93		
100	PI2 BPSK	1	137	21.91	22.05	22.02	23.0	0.0
100	PI2 BPSK	1	271	21.61	21.73	21.63		
100	PI2 BPSK	135	0	21.49	21.67	21.77		
100	PI2 BPSK	135	69	21.50	22.03	21.65	23.0	0.0
100	PI2 BPSK	135	138	21.64	21.83	21.78		
100	PI2 BPSK	270	0	22.01	22.09	21.72	23.0	0.0
100	QPSK	1	1	21.89	22.26	22.04		
100	QPSK	1	137	21.97	22.20	22.18	23.0	0.0
100	QPSK	1	271	21.70	22.00	21.81		
100	QPSK	135	0	20.96	21.32	21.01		
100	QPSK	135	69	21.68	21.97	21.84	23.0	0.0
100	QPSK	135	138	21.44	21.29	21.25		
100	QPSK	270	0	21.57	21.88	21.64	23.0	0.0
100	16QAM	1	1	21.66	21.82	21.69	23.0	0.0
100	16QAM	1	1	22.07	22.15	21.82	23.0	0.0
100	256QAM	1	1	21.58	22.06	21.82	22.5	0.5
Channel				6486.68	6560.00	6623.34	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	PI2 BPSK	1	1	21.65	21.96	21.60	23.0	0.0
Channel				6433.54	6560.00	6625.08	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	PI2 BPSK	1	1	21.41	21.84	21.93	23.0	0.0
Channel				6490.00	6560.00	6630.00	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	PI2 BPSK	1	1	21.94	21.94	22.10	23.0	0.0
Channel				6486.68	6560.00	6633.34	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	PI2 BPSK	1	1	21.71	21.83	21.72	23.0	0.0
Channel				6483.34	6560.00	6639.68	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3953.02		
50	PI2 BPSK	1	1	21.78	21.90	22.04	23.0	0.0
Channel				6480.00	6560.00	6640.00	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	PI2 BPSK	1	1	21.80	21.76	21.83	23.0	0.0
Channel				6476.68	6560.00	6643.34	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	PI2 BPSK	1	1	22.09	21.92	21.83	23.0	0.0
Channel				6473.34	6560.00	6646.68	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	PI2 BPSK	1	1	21.75	21.79	21.78	23.0	0.0



Ant9 n41 TX0 DSI 1/5									
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				505200	518998	530000			
Frequency (MHz)				2546.01	2592.99	2640			
100	Pl2 BPSK	1	1	10.95	11.23	11.30	13.1	0.0	
100	Pl2 BPSK	1	137	11.37	11.28	11.50			
100	Pl2 BPSK	1	271	11.21	11.36	11.22			
100	Pl2 BPSK	135	0	11.18	10.89	10.76	13.1	0.0	
100	Pl2 BPSK	135	69	11.64	11.29	11.27			
100	Pl2 BPSK	135	138	11.13	11.00	10.79			
100	Pl2 BPSK	270	0	11.45	11.40	11.55	13.1	0.0	
100	QPSK	1	1	11.99	12.06	11.68			
100	QPSK	1	137	11.04	11.30	11.15			
100	QPSK	1	271	11.41	11.60	11.39	13.1	0.0	
100	QPSK	135	0	10.79	10.37	10.42			
100	QPSK	135	69	11.62	11.71	11.50			
100	QPSK	135	138	10.51	10.65	10.49	13.1	0.0	
100	QPSK	270	0	11.63	11.71	11.37			
100	16QAM	1	1	11.94	12.03	11.86		13.1	
100	64QAM	1	1	11.75	12.00	11.55	13.1	0.0	
100	256QAM	1	1	10.32	10.50	10.09		11.6	
Channel				506200	518998	528998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	13.1	0.0	
90	Pl2 BPSK	1	1	11.91	11.36	11.57	13.1	0.0	
Channel				507204	518998	525998			
Frequency (MHz)				2536.02	2592.99	2649.99	13.1	Tune-up limit (dBm)	
80	Pl2 BPSK	1	1	11.88	11.47	11.51			
Channel				505200	518998	531998		Tune-up limit (dBm)	
Frequency (MHz)				2526	2592.99	2659.98	13.1		
60	Pl2 BPSK	1	1	11.83	11.41	11.21	13.1	0.0	
Channel				504204	518998	532998			
Frequency (MHz)				2621.02	2592.99	2664.99		Tune-up limit (dBm)	
50	Pl2 BPSK	1	1	11.78	11.22	11.57	13.1	0.0	
Channel				503202	518998	534000		Tune-up limit (dBm)	
Frequency (MHz)				2516.01	2592.99	2670		13.1	
40	Pl2 BPSK	1	1	11.84	11.25	11.53	13.1	0.0	
Channel				502200	518998	534998		Tune-up limit (dBm)	
Frequency (MHz)				2511	2592.99	2674.98		13.1	
30	Pl2 BPSK	1	1	11.65	11.47	11.42	13.1	0.0	
Channel				501204	518998	535998		Tune-up limit (dBm)	
Frequency (MHz)				2496.02	2592.99	2679.99		13.1	
20	Pl2 BPSK	1	1	11.70	11.45	11.49	13.1	0.0	

Ant9 n41 TX0 DSI 3									
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				506200	518998	530000			
Frequency (MHz)				2546.01	2592.99	2640			
100	Pl2 BPSK	1	1	13.17	13.11	13.06	14.1	0.0	
100	Pl2 BPSK	1	137	13.23	13.18	13.22			
100	Pl2 BPSK	1	271	13.01	13.09	13.17			
100	Pl2 BPSK	135	0	13.21	13.14	13.22	14.1	0.0	
100	Pl2 BPSK	135	69	13.17	13.17	13.19			
100	Pl2 BPSK	135	138	13.18	13.21	13.12			
100	Pl2 BPSK	270	0	13.03	13.06	13.14	14.1	0.0	
100	QPSK	1	1	13.16	13.27	13.07			
100	QPSK	1	137	13.09	13.05	12.99			
100	QPSK	1	271	13.07	13.01	12.98	14.1	0.0	
100	QPSK	135	0	13.07	13.24	13.23			
100	QPSK	135	69	13.21	13.23	13.22			
100	QPSK	135	138	13.13	13.15	13.12	14.1	0.0	
100	QPSK	270	0	13.06	13.13	13.09			
100	16QAM	1	1	13.17	13.10	13.09			
100	64QAM	1	1	12.97	12.95	12.95	14.1	0.0	
100	256QAM	1	1	12.95	12.88	12.83			
Channel				506200	518998	528998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	14.1	0.0	
90	Pl2 BPSK	1	1	13.11	13.19	13.13	14.1	0.0	
Channel				507204	518998	525998			
Frequency (MHz)				2536.02	2592.99	2649.99	14.1	0.0	
80	Pl2 BPSK	1	1	13.13	13.15	13.12			
Channel				505200	518998	531998		Tune-up limit (dBm)	
Frequency (MHz)				2526	2592.99	2659.98	14.1		
60	Pl2 BPSK	1	1	13.17	13.19	13.12	14.1	0.0	
Channel				504204	518998	532998			
Frequency (MHz)				2621.02	2592.99	2664.99		Tune-up limit (dBm)	
50	Pl2 BPSK	1	1	13.18	13.01	13.05	14.1	0.0	
Channel				503202	518998	534000		Tune-up limit (dBm)	
Frequency (MHz)				2516.01	2592.99	2670		14.1	
40	Pl2 BPSK	1	1	13.11	13.04	13.01	14.1	0.0	
Channel				502200	518998	534998		Tune-up limit (dBm)	
Frequency (MHz)				2511	2592.99	2674.98		14.1	
30	Pl2 BPSK	1	1	13.28	13.22	13.27	14.1	0.0	
Channel				501204	518998	535998		Tune-up limit (dBm)	
Frequency (MHz)				2496.02	2592.99	2679.99		14.1	
20	Pl2 BPSK	1	1	13.27	13.21	13.15	14.1	0.0	

Ant9 n41 TX0 DSI 4									
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				506200	518998	530000			
Frequency (MHz)				2546.01	2592.99	2640			
100	Pl2 BPSK	1	1	14.25	14.21	14.02	15.1	0.0	
100	Pl2 BPSK	1	137	14.23	14.12	14.13			
100	Pl2 BPSK	1	271	14.14	14.07	14.02			
100	Pl2 BPSK	135	0	14.29	14.25	14.22	15.1	0.0	
100	Pl2 BPSK	135	69	14.28	14.22	14.25			
100	Pl2 BPSK	135	138	14.28	14.15	14.16			
100	Pl2 BPSK	270	0	14.25	14.14	14.06	15.1	0.0	
100	QPSK	1	1	14.55	14.70	14.53			
100	QPSK	1	137	14.54	14.58	14.44			
100	QPSK	1	271	14.52	14.63	14.54	15.1	0.0	
100	QPSK	135	0	14.36	14.21	14.20			
100	QPSK	135	69	14.35	14.37	14.23			
100	QPSK	135	138	14.24	14.20	14.22	15.1	0.0	
100	QPSK	270	0	14.21	14.27	14.12			
100	16QAM	1	1	14.63	14.34	14.36			
100	64QAM	1	1	14.60	14.43	14.34	15.1	0.0	
100	256QAM	1	1	14.32	14.33	14.41		13.6	
Channel				506200	518998	528998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	15.1	0.0	
90	Pl2 BPSK	1	1	14.38	14.22	14.20	15.1	0.0	
Channel				507204	518998	525998			
Frequency (MHz)				2536.02	2592.99	2649.99	15.1	0.0	
80	Pl2 BPSK	1	1	14.34	14.21	14.27			
Channel				505200	518998	531998		Tune-up limit (dBm)	
Frequency (MHz)				2526	2592.99	2659.98	15.1		
60	Pl2 BPSK	1	1	14.30	14.28	14.16	15.1	0.0	
Channel				504204	518998	532998			
Frequency (MHz)				2521.02	2592.99	2664.99	15.1	0.0	
50	Pl2 BPSK	1	1	14.15	14.04	14.16			
Channel				503202	518998	534000		Tune-up limit (dBm)	
Frequency (MHz)				2516.01	2592.99	2674.99	15.1		
40	Pl2 BPSK	1	1	14.27	14.18	14.16	15.1	0.0	
Channel				500200	518998	536998			
Frequency (MHz)				2501.02	2592.99	2679.99	15.1	0.0	
30	Pl2 BPSK	1	1	14.11	14.24	14.06			
Channel				501204	518998	537998		Tune-up limit (dBm)	
Frequency (MHz)				2506.02	2592.99	2679.99	15.1		
20	Pl2 BPSK	1	1	14.23	14.16	14.12	15.1	0.0	
Channel				502202	518998	538998			

Ant 9 n77 PC2/3 TX1_MIMO DSI 1/3/5									
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	3840	3930			
100	PI2 BPSK	1	1	16.49	16.87	16.86	17.5	0.0	
100	PI2 BPSK	1	137	16.89	17.03	16.89			
100	PI2 BPSK	1	271	16.62	16.73	16.71			
100	PI2 BPSK	135	0	16.60	16.84	16.68	17.5	0.0	
100	PI2 BPSK	135	69	16.38	17.00	16.57			
100	PI2 BPSK	135	138	16.58	16.75	16.72			
100	PI2 BPSK	270	0	16.95	17.20	16.80	17.5	0.0	
100	QPSK	1	1	16.88	17.29	16.96	17.5	0.0	
100	QPSK	1	137	16.93	17.18	17.23			
100	QPSK	1	271	16.83	16.98	16.77			
100	QPSK	135	0	15.98	16.37	16.12	17.5	0.0	
100	QPSK	135	69	16.57	17.03	16.85			
100	QPSK	135	138	16.53	16.27	16.35			
100	QPSK	270	0	16.55	16.84	16.58	17.5	0.0	
100	16QAM	1	1	16.78	16.90	16.78	17.5	0.0	
100	64QAM	1	1	17.09	17.06	16.71	17.5	0.0	
100	256QAM	1	1	16.54	16.99	16.83	17.5	0.0	
Channel				649668	650000	650234	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	PI2 BPSK	1	1	16.70	16.86	16.66	17.5	0.0	
Channel				641334	650000	650268	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	PI2 BPSK	1	1	16.54	16.78	16.83	17.5	0.0	
Channel				649000	650000	650000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	PI2 BPSK	1	1	16.84	16.88	17.07	17.5	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	PI2 BPSK	1	1	16.70	16.76	16.66	17.5	0.0	
Channel				648334	650000	650968	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3959.02			
50	PI2 BPSK	1	1	16.86	16.87	17.09	17.5	0.0	
Channel				649000	650000	650000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	PI2 BPSK	1	1	16.78	16.81	16.99	17.5	0.0	
Channel				647668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3963.01			
30	PI2 BPSK	1	1	16.95	16.71	16.81	17.5	0.0	
Channel				647334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	PI2 BPSK	1	1	16.85	16.84	16.85	17.5	0.0	

Ant 9 n77 PC2/3 TX1_MIMO DSI 4									
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	3840	3930			
100	PI2 BPSK	1	1	16.62	16.48	16.56	19.5	0.0	
100	PI2 BPSK	1	137	16.35	16.59	16.52			
100	PI2 BPSK	1	271	16.48	16.62	16.31			
100	PI2 BPSK	135	0	16.44	16.60	16.54	19.5	0.0	
100	PI2 BPSK	135	69	16.49	16.64	16.54			
100	PI2 BPSK	135	138	16.44	16.45	16.54			
100	PI2 BPSK	270	0	16.44	16.65	16.63	19.5	0.0	
100	QPSK	1	1	16.79	16.87	16.64	19.5	0.0	
100	QPSK	1	137	16.59	16.61	16.62			
100	QPSK	1	271	16.59	16.35	16.65			
100	QPSK	135	0	16.36	16.46	16.48	19.5	0.0	
100	QPSK	135	69	16.48	16.52	16.51			
100	QPSK	135	138	16.36	16.29	16.28			
100	QPSK	270	0	16.23	16.42	16.53	19.5	0.0	
100	16QAM	1	1	16.07	16.30	16.49	19.5	0.0	
100	64QAM	1	1	16.46	16.43	16.28	19.5	0.0	
100	256QAM	1	1	16.08	16.32	16.07	19.5	0.0	
Channel				649668	650000	650234	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	PI2 BPSK	1	1	16.42	16.28	16.29	19.5	0.0	
Channel				648334	650000	650268	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	PI2 BPSK	1	1	16.18	16.37	16.28	19.5	0.0	
Channel				649000	650000	650000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	PI2 BPSK	1	1	16.10	16.39	16.21	19.5	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	PI2 BPSK	1	1	16.30	16.38	16.37	19.5	0.0	
Channel				648334	650000	650968	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3959.02			
50	PI2 BPSK	1	1	16.54	16.44	16.22	19.5	0.0	
Channel				649000	650000	650000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	PI2 BPSK	1	1	16.28	16.45	16.49	19.5	0.0	
Channel				647668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3963.01			
30	PI2 BPSK	1	1	16.43	16.47	16.39	19.5	0.0	
Channel				647334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	PI2 BPSK	1	1	16.52	16.25	16.62	19.5	0.0	



2.4GHz WLAN						
Ant 5-47 Full Power/Handset/Body Worn						
Mode	Channel	Frequency (MHz)	Power Spectral Density (mW/MHz)	Transmit Power (mW)	Duty Cycle %	
IEEE 714 Mbps	1	2412	21.71	20.00	90.00	
	6	2437	21.71	20.00		
	11	2462	21.76	20.00		
	16	2487	21.76	20.00		
	21	2512	21.81	20.00		
	26	2537	21.81	20.00		
	31	2562	21.86	20.00		
	36	2587	21.86	20.00		
	41	2612	21.91	20.00		
	46	2637	21.91	20.00		
IEEE 11n HT20 MCS0	1	2412	18.36	17.00	100.00	
	6	2437	18.36	17.00		
	11	2462	18.41	17.00		
	16	2487	18.41	17.00		
	21	2512	18.46	17.00		
	26	2537	18.46	17.00		
	31	2562	18.51	17.00		
	36	2587	18.51	17.00		
	41	2612	18.56	17.00		
	46	2637	18.56	17.00		
IEEE 11n HT20 MCS1	1	2412	18.36	17.00	100.00	
	6	2437	18.36	17.00		
	11	2462	18.41	17.00		
	16	2487	18.41	17.00		
	21	2512	18.46	17.00		
	26	2537	18.46	17.00		
	31	2562	18.51	17.00		
	36	2587	18.51	17.00		
	41	2612	18.56	17.00		
	46	2637	18.56	17.00		
IEEE 11n HT20 MCS2	1	2412	18.36	17.00	100.00	
	6	2437	18.36	17.00		
	11	2462	18.41	17.00		
	16	2487	18.41	17.00		
	21	2512	18.46	17.00		
	26	2537	18.46	17.00		
	31	2562	18.51	17.00		
	36	2587	18.51	17.00		
	41	2612	18.56	17.00		
	46	2637	18.56	17.00		

5GHz WLAN						
Ant 11-4 Full Power/Handset						
Mode	Channel	Frequency (MHz)	Power Spectral Density (mW/MHz)	Transmit Power (mW)	Duty Cycle %	
IEEE 714 Mbps	36	5180	21.71	20.00	90.00	
	40	5200	21.76	20.00		
	44	5220	21.81	20.00		
	48	5240	21.86	20.00		
	52	5260	21.91	20.00		
	56	5280	21.96	20.00		
	60	5300	22.01	20.00		
	64	5320	22.06	20.00		
	68	5340	22.11	20.00		
	72	5360	22.16	20.00		
IEEE 11n HT20 MCS0	36	5180	18.36	17.00	100.00	
	40	5200	18.41	17.00		
	44	5220	18.46	17.00		
	48	5240	18.51	17.00		
	52	5260	18.56	17.00		
	56	5280	18.61	17.00		
	60	5300	18.66	17.00		
	64	5320	18.71	17.00		
	68	5340	18.76	17.00		
	72	5360	18.81	17.00		
IEEE 11n HT20 MCS1	36	5180	18.36	17.00	100.00	
	40	5200	18.41	17.00		
	44	5220	18.46	17.00		
	48	5240	18.51	17.00		
	52	5260	18.56	17.00		
	56	5280	18.61	17.00		
	60	5300	18.66	17.00		
	64	5320	18.71	17.00		
	68	5340	18.76	17.00		
	72	5360	18.81	17.00		
IEEE 11n HT20 MCS2	36	5180	18.36	17.00	100.00	
	40	5200	18.41	17.00		
	44	5220	18.46	17.00		
	48	5240	18.51	17.00		
	52	5260	18.56	17.00		
	56	5280	18.61	17.00		
	60	5300	18.66	17.00		
	64	5320	18.71	17.00		
	68	5340	18.76	17.00		
	72	5360	18.81	17.00		

5GHz WLAN						
Ant 11-4 Full Power/Handset						
Mode	Channel	Frequency (MHz)	Power Spectral Density (mW/MHz)	Transmit Power (mW)	Duty Cycle %	
IEEE 714 Mbps	132	5780	21.71	20.00	90.00	
	136	5800	21.76	20.00		
	140	5820	21.81	20.00		
	144	5840	21.86	20.00		
	148	5860	21.91	20.00		
	152	5880	21.96	20.00		
	156	5900	22.01	20.00		
	160	5920	22.06	20.00		
	164	5940	22.11	20.00		
	168	5960	22.16	20.00		
IEEE 11n HT20 MCS0	132	5780	18.36	17.00	100.00	
	136	5800	18.41	17.00		
	140	5820	18.46	17.00		
	144	5840	18.51	17.00		
	148	5860	18.56	17.00		
	152	5880	18.61	17.00		
	156	5900	18.66	17.00		
	160	5920	18.71	17.00		
	164	5940	18.76	17.00		
	168	5960	18.81	17.00		
IEEE 11n HT20 MCS1	132	5780	18.36	17.00	100.00	
	136	5800	18.41	17.00		
	140	5820	18.46	17.00		
	144	5840	18.51	17.00		
	148	5860	18.56	17.00		
	152	5880	18.61	17.00		
	156	5900	18.66	17.00		
	160	5920	18.71	17.00		
	164	5940	18.76	17.00		
	168	5960	18.81	17.00		
IEEE 11n HT20 MCS2	132	5780	18.36	17.00	100.00	
	136	5800	18.41	17.00		
	140	5820	18.46	17.00		
	144	5840	18.51	17.00		
	148	5860	18.56	17.00		
	152	5880	18.61	17.00		
	156	5900	18.66	17.00		
	160	5920	18.71	17.00		
	164	5940	18.76	17.00		
	168	5960	18.81	17.00		

5GHz WLAN		Ant 11-4 Full Power/Handset				
Mode	Channel	Frequency (MHz)	Power Spectral Density (mW/MHz)	Transmit Power (mW)	Duty Cycle %	
IEEE 714 Mbps	128	5680	21.71	20.00	90.00	
	132	5700	21.76	20.00		
	136	5720	21.81	20.00		
	140	5740	21.86	20.00		
	144	5760	21.91	20.00		
	148	5780	21.96	20.00		
	152	5800	22.01	20.00		
	156	5820	22.06	20.00		
	160	5840	22.11	20.00		
	164	5860	22.16	20.00		
IEEE 11n HT20 MCS0	128	5680	18.36	17.00	100.00	
	132	5700	18.41	17.00		
	136	5720	18.46	17.00		
	140	5740	18.51	17.00		
	144	5760	18.56	17.00		
	148	5780	18.61	17.00		
	152	5800	18.66	17.00		
	156	5820	18.71	17.00		
	160	5840	18.76	17.00		
	164	5860	18.81	17.00		
IEEE 11n HT20 MCS1	128	5680	18.36	17.00	100.00	
	132	5700	18.41	17.00		
	136	5720	18.46	17.00		
	140	5740	18.51	17.00		
	144	5760	18.56	17.00		
	148	5780	18.61	17.00		
	152	5800	18.66	17.00		
	156	5820	18.71	17.00		
	160	5840	18.76	17.00		
	164	5860	18.81	17.00		
IEEE 11n HT20 MCS2	128	5680	18.36	17.00	100.00	
	132	5700	18.41	17.00		
	136	5720	18.46	17.00		
	140	5740	18.51	17.00		
	144	5760	18.56	17.00		
	148	5780	18.61	17.00		
	152	5800	18.66	17.00		
	156	5820	18.71	17.00		
	160	5840	18.76	17.00		
	<					
IEEE 11n HT20 MCS3	128	5680	18.36	17.00	100.00	
	132	5700	18.41	17.00		
	136	5720	18.46	17.00		
	140	5740	18.51	17.00		
	144	5760	18.56	17.00		
	148	5780	18.61	17.00		
	152	5800	18.66	17.00		
	156	5820	18.71	17.00		
	160	5840	18.76	17.00		
	164	5860	18.81	17.00		
IEEE 11n HT20 MCS4	128	5680	18.36	17.00	100.00	
	132	5700	18.41	17.00		
	136	5720	18.46	17.00		
	140	5740	18.51	17.00		
	144	5760	18.56	17.00		
	148	5780	18.61	17.00		
	152	5800	18.66	17.00		
	156	5820	18.71	17.00		
	160	5840	18.76	17.00		
	164	5860	18.81	17.00		
IEEE 11n HT20 MCS5	128	5680	18.36	17.00	100.00	
	132	5700	18.41	17.00		
	136	5720	18.46	17.00		
	140	5740	18.51	17.00		
	144	5760	18.56	17.00		
	148	5780	18.61	17.00		
	152	5800	18.66	17.00		
	156	5820	18.71	17.00		
	160	5840	18.76	17.00		
	164	5860	18.81	17.00		
IEEE 11n HT20 MCS6	128	5680	18.36	17.00	100.00	
	132	5700	18.41	17.00		
	136	5720	18.46	17.00		
	140	5740	18.51	17.00		
	144	5760	18.56	17.00		
	148	5780	18.61	17.00		
	152	5800	18.66	17.00		
	156	5820	18.71	17.00		
	160	5840	18.76	17.00		
	164	5860	18.81	17.00		

Ant 5 BT 2.0 Full Power/Receiver On/Hotspot/Body Worn					
Mode	Channel	Frequency (MHz)	Average power (dBm)		
			Min	Max	Min
BKI / EDR	CH00	2402	15.54	15.71	15.54
	CH39	2441	15.67	15.74	15.51
	CH78	2480	14.58	15.72	15.78
Take-up Limit			15.0	16.0	16.0

Ant 5 BT 2.0 Receiver On/Simultaneous transmission					
Mode	Channel	Frequency (MHz)	Average power (dBm)		
			Min	Max	Min
BKI / EDR	CH00	2402	15.11		Not Required
	CH39	2441	15.11		
	CH78	2480	9.40		
Take-up Limit			11.0	13.0	11.0

Ant 5 BT LE					
Mode	Channel	Frequency (MHz)	Average power (dBm)		
			Min	Max	Min
LE	CH00	2402	7.24		
	CH39	2441	8.66		
	CH78	2480	11.00		
Take-up Limit			9.0		

Ant 5 BT LE 5.0					
Mode	Channel	Frequency (MHz)	Average power (dBm)		
			Min	Max	Min
LE	CH00	2402	7.40		
	CH39	2441	8.75		
	CH78	2480	9.10		
Take-up Limit			8.0		

Ant 7 BT 2.0 Full Power/Receiver On/Hotspot/Body Worn					
Mode	Channel	Frequency (MHz)	Average power (dBm)		
			Min	Max	Min
BKI / EDR	CH00	2402	15.43	15.43	15.10
	CH39	2441	15.52	15.57	15.04
	CH78	2480	15.44	16.03	16.17
Take-up Limit			15.0	16.0	16.0

Ant 7 BT 2.0 Receiver On Simultaneous transmission					
Mode	Channel	Frequency (MHz)	Average power (dBm)		
			Min	Max	Min
BKI / EDR	CH00	2402	11.25		Not Required
	CH39	2441	11.08		
	CH78	2480	11.25		
Take-up Limit			12.0	12.0	12.0

Ant 7 BT LE					
Mode	Channel	Frequency (MHz)	Average power (dBm)		
			Min	Max	Min
LE	CH00	2402	7.55		
	CH39	2441	8.50		
	CH78	2480	8.50		
Take-up Limit			9.0		

Ant 7 BT LE 5.0					
Mode	Channel	Frequency (MHz)	Average power (dBm)		
			Min	Max	Min
LE	CH00	2402	7.60		
	CH39	2441	8.50		
	CH78	2480	8.50		
Take-up Limit			8.0		