



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			
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	18.56	18.77	18.81	19.4	0.0	
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			
20	PI/2 BPSK	100	0	18.82	18.61	18.69	19.4	0.0	
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	19.4	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	19.4	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			
Frequency (MHz)				2507.5	2535	2562.5			
15	PI/2 BPSK	1	1	18.52	18.49	18.43	19.4	0.0	
Channel				501000	507000	513000			
Frequency (MHz)				2505	2535	2565			
10	PI/2 BPSK	1	1	18.51	18.47	18.45	19.4	0.0	
Channel				500500	507000	513500			
Frequency (MHz)				2502.5	2535	2567.5			
5	PI/2 BPSK	1	1	18.51	18.53	18.42	19.4	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			
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	19.78	19.83	19.77	20.4	0.0	
20	PI/2 BPSK	50	28	19.94	19.99	19.88	20.4	0.0	
20	PI/2 BPSK	50	56	20.14	20.15	20.09			
20	PI/2 BPSK	100	0	19.90	20.00	19.89	20.4	0.0	
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	20.4	0.0	
20	QPSK	50	28	19.86	20.19	19.88	20.4	0.0	
20	QPSK	50	56	20.15	20.12	20.13			
20	QPSK	100	0	19.96	19.97	19.86	20.4	0.0	
20	16QAM	1	1	19.61	19.64	19.54	20.4	0.0	
20	64QAM	1	1	19.42	19.46	19.36	19.9	0.5	
20	256QAM	1	1	18.81	18.83	18.75	17.9	2.5	
Channel				501500	507000	512500			
Frequency (MHz)				2507.5	2535	2562.5			
15	PI/2 BPSK	1	1	19.70	19.73	19.58	20.4	0.0	
Channel				501000	507000	513000			
Frequency (MHz)				2505	2535	2565			
10	PI/2 BPSK	1	1	19.71	19.75	19.65	20.4	0.0	
Channel				500500	507000	513500			
Frequency (MHz)				2502.5	2535	2567.5			
5	PI/2 BPSK	1	1	19.71	19.74	19.58	20.4	0.0	



Ant8 n77 PC3 SA Full Power								
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				65000	65000	66000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	24.92	24.98	24.91	26.0	0.0
100	PI/2 BPSK	1	137	24.75	24.86	24.81		
100	PI/2 BPSK	1	271	24.74	24.85	24.79		
100	PI/2 BPSK	135	0	24.35	24.41	24.35	26.0	0.0
100	PI/2 BPSK	135	69	24.78	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		
100	QPSK	1	137	24.72	24.81	24.76		
100	QPSK	1	271	24.38	24.70	24.62	26.0	0.0
100	QPSK	135	0	23.81	23.91	23.86		
100	QPSK	135	69	24.74	24.81	24.74		
100	QPSK	135	138	23.59	23.70	23.63	26.0	0.0
100	QPSK	270	0	23.78	23.85	23.80		
100	16QAM	1	1	23.33	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				649688	650000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	PI/2 BPSK	1	1	24.71	24.84	24.79	26.0	0.0
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	PI/2 BPSK	1	1	24.74	24.77	24.73	26.0	0.0
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	PI/2 BPSK	1	1	24.74	24.81	24.71	26.0	0.0
Channel				646368	650000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	PI/2 BPSK	1	1	24.88	24.93	24.87	26.0	0.0
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	PI/2 BPSK	1	1	24.84	24.87	24.80	26.0	0.0
Channel				649000	650000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	PI/2 BPSK	1	1	24.75	24.83	24.78	26.0	0.0
Channel				647868	650000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	PI/2 BPSK	1	1	24.88	24.91	24.83	25.0	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	24.78	24.88	24.58	26.0	0.0

Ant8 n77 HPUE SA Full Power								
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				65000	65000	66000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	26.02	26.24	26.18	27.5	0.0
100	PI/2 BPSK	1	137	26.22	26.44	26.39		
100	PI/2 BPSK	1	271	26.18	26.26	26.16		
100	PI/2 BPSK	135	0	25.57	25.74	25.68	27.5	0.0
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		
100	QPSK	1	137	26.46	26.51	26.45		
100	QPSK	1	271	26.22	26.44	26.38	27.5	0.0
100	QPSK	135	0	25.06	25.22	25.13		
100	QPSK	135	69	26.33	26.45	26.35		
100	QPSK	135	138	25.08	25.21	25.25	27.5	0.0
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				649688	650000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	PI/2 BPSK	1	1	26.16	26.31	26.23	27.5	0.0
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	PI/2 BPSK	1	1	25.95	26.12	26.06	27.5	0.0
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	PI/2 BPSK	1	1	26.13	26.28	26.26	27.5	0.0
Channel				646368	650000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	PI/2 BPSK	1	1	25.90	26.13	26.05	27.5	0.0
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	PI/2 BPSK	1	1	26.05	26.20	25.99	27.5	0.0
Channel				649000	650000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	PI/2 BPSK	1	1	26.03	25.98	25.92	27.5	0.0
Channel				647868	650000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	PI/2 BPSK	1	1	25.00	26.12	26.03	27.5	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	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				65000	65000	65000				
Frequency (MHz)				3750	3840	3930				
100	Pi2 BPSK	1	1	20.92	21.11	21.00				
100	Pi2 BPSK	1	137	21.15	21.99	20.91	22.0	0.0		
100	Pi2 BPSK	1	271	21.25	21.01	20.77				
100	Pi2 BPSK	135	0	20.88	21.07	21.02				
100	Pi2 BPSK	135	69	21.16	21.06	20.98	22.0	0.0		
100	Pi2 BPSK	135	138	21.21	20.94	21.02				
100	Pi2 BPSK	270	0	21.05	21.07	20.98	22.0	0.0		
100	QPSK	1	1	21.14	21.08	21.06				
100	QPSK	1	137	20.92	21.07	21.13	22.0	0.0		
100	QPSK	1	271	20.74	20.98	21.16				
100	QPSK	135	0	21.11	20.99	20.79	22.0	0.0		
100	QPSK	135	69	21.21	21.05	20.87				
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	20.18	22.0	0.0		
Channel				64968	65000	65234	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3745.02	3840	3935.01				
90	Pi2 BPSK	1	1	21.11	21.18	21.07	22.0	0.0		
Channel				64934	65000	65268	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3740.01	3840	3940.02				
80	Pi2 BPSK	1	1	20.75	20.95	20.88	22.0	0.0		
Channel				64900	65000	65300	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3735	3840	3945				
70	Pi2 BPSK	1	1	20.82	21.06	20.85	22.0	0.0		
Channel				64868	65000	65334	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3730.02	3840	3950.01				
60	Pi2 BPSK	1	1	20.96	21.08	20.88	22.0	0.0		
Channel				64834	65000	65368	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3725.01	3840	3955.02				
50	Pi2 BPSK	1	1	21.09	20.97	21.07	22.0	0.0		
Channel				64800	65000	65400	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3720	3840	3960				
40	Pi2 BPSK	1	1	21.01	21.08	21.10	22.0	0.0		
Channel				64768	65000	65434	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3715.02	3840	3965.01				
30	Pi2 BPSK	1	1	21.13	21.18	21.06	22.0	0.0		
Channel				64734	65000	65468	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3710.01	3840	3970.02				
20	Pi2 BPSK	1	1	21.08	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				65000	65000	65000				
Frequency (MHz)				3750	3840	3930				
100	Pi2 BPSK	1	1	20.81	20.86	20.57				
100	Pi2 BPSK	1	137	20.70	20.71	20.64	21.5	0.0		
100	Pi2 BPSK	1	271	20.59	20.60	20.54				
100	Pi2 BPSK	135	0	20.48	20.56	20.41				
100	Pi2 BPSK	135	69	20.81	20.68	20.60	21.5	0.0		
100	Pi2 BPSK	135	138	20.50	20.59	20.43				
100	Pi2 BPSK	270	0	20.59	20.65	20.52	21.5	0.0		
100	QPSK	1	1	20.73	20.74	20.48				
100	QPSK	1	137	20.72	20.72	20.85	21.5	0.0		
100	QPSK	1	271	20.50	20.58	20.42				
100	QPSK	135	0	20.53	20.58	20.44	21.5	0.0		
100	QPSK	135	69	20.62	20.67	20.58				
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				64968	65000	65234	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3745.02	3840	3935.01				
90	Pi2 BPSK	1	1	26.16	26.31	26.23	21.5	0.0		
Channel				64934	65000	65368	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3740.01	3840	3940.02				
80	Pi2 BPSK	1	1	25.95	26.12	26.06	21.5	0.0		
Channel				64900	65000	65300	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3735	3840	3945				
70	Pi2 BPSK	1	1	26.13	26.28	26.25	21.5	0.0		
Channel				64868	65000	65334	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3730.02	3840	3950.01				
60	Pi2 BPSK	1	1	26.99	26.13	26.05	21.5	0.0		
Channel				64834	65000	65368	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3725.01	3840	3955.02				
50	Pi2 BPSK	1	1	26.05	26.20	25.99	21.5	0.0		
Channel				64800	65000	65400	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3720	3840	3960				
40	Pi2 BPSK	1	1	26.03	25.98	25.92	21.5	0.0		
Channel				64768	65000	65434	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3715.02	3840	3965.01				
30	Pi2 BPSK	1	1	26.00	26.12	26.03	21.5	0.0		
Channel				64734	65000	65468	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3710.01	3840	3970.02				
20	Pi2 BPSK	1	1	25.92	25.98	25.99	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				65000	65000	65000				
Frequency (MHz)				3750	3840	3930				
100	Pi2 BPSK	1	1	24.92	24.98	24.91				
100	Pi2 BPSK	1	137	24.75	24.86	24.81	25.5	0.0		
100	Pi2 BPSK	1	271	24.74	24.85	24.79				
100	Pi2 BPSK	135	0	24.35	24.41	24.35				
100	Pi2 BPSK	135	69	24.76	24.81	24.75	25.5	0.0		
100	Pi2 BPSK	135	138	24.26	24.32	24.25				
100	Pi2 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	23.88	25.0	0.5		
100	256QAM	1	1	21.77	21.83	21.78	23.0	2.5		
Channel				64968	65000	65234	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3745.02	3840	3935.01				
90	Pi2 BPSK	1	1	24.71	24.84	24.74	25.5	0.0		
Channel				64934	65000	65368	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3740.01	3840	3940.02				
80	Pi2 BPSK	1	1	24.74	24.77	24.73	25.5	0.0		
Channel				64900	65000	65300	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3735	3840	3945				
70	Pi2 BPSK	1	1	24.74	24.81	24.71	25.5	0.0		
Channel				64868	65000	65334	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3730.02	3840	3950.01				
60	Pi2 BPSK	1	1	24.88	24.93	24.87	25.5	0.0		
Channel				64834	65000	65368	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3725.01	3840	3955.02				
50	Pi2 BPSK	1	1	24.84	24.87	24.80	25.5	0.0		
Channel				64800	65000	65400	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3720	3840	3960				
40	Pi2 BPSK	1	1	24.75	24.83	24.78	25.5	0.0		
Channel				64768	65000	65434	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3715.02	3840	3965.01				
30	Pi2 BPSK	1	1	24.88	24.91	24.88	25.5	0.0		
Channel				64734	65000	65468	Tune-up limit (dBm)	MPR		
Frequency (MHz)				3710.01	3840	3970.02				
20	Pi2 BPSK	1	1	24.78	24.88	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									
Frequency (MHz)				2566.01	2592.99	2640			
100	PI2 BPSK	1	1	20.45	20.83	20.79			
100	PI2 BPSK	1	137	20.55	20.76	20.80			
100	PI2 BPSK	1	271	20.78	20.89	20.81		21.1	0.0
100	PI2 BPSK	135	0	20.76	20.34	20.24			
100	PI2 BPSK	135	69	20.70	20.72	20.89			
100	PI2 BPSK	135	135	20.74	20.41	20.32		21.1	0.0
100	PI2 BPSK	270	0	20.41	20.39	20.50		20.6	0.5
100	QPSK	1	1	20.87	20.98	20.86			
100	QPSK	1	137	20.53	20.91	20.81		21.1	0.0
100	QPSK	1	271	20.81	20.83	20.85			
100	QPSK	135	0	20.23	19.86	19.86			
100	QPSK	135	69	20.75	20.80	20.77		21.1	0.0
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	20.30	20.26		20.1	1.0
100	16QAM	1	1	19.66	18.49	18.6		18.6	2.5
100	256QAM	1	1	16.73	16.48	16.55		16.6	4.5
Channel									
Frequency (MHz)				508200	518988	528996	Tune-up limit (dBm)	MPR (dB)	
90	PI2 BPSK	1	1	21.40	20.72	20.91		21.1	0.0
Channel									
Frequency (MHz)				533254	535999	539298	Tune-up limit (dBm)	MPR (dB)	
80	PI2 BPSK	1	1	21.42	20.88	20.97		21.1	0.0
Channel									
Frequency (MHz)				505200	518998	531996	Tune-up limit (dBm)	MPR (dB)	
60	PI2 BPSK	1	1	21.37	20.82	20.85		21.1	0.0
Channel									
Frequency (MHz)				542024	548998	552998	Tune-up limit (dBm)	MPR (dB)	
50	PI2 BPSK	1	1	21.22	20.73	21.06		21.1	0.0
Channel									
Frequency (MHz)				503202	518998	534000	Tune-up limit (dBm)	MPR (dB)	
40	PI2 BPSK	1	1	21.23	20.90	21.05		21.1	0.0
Channel									
Frequency (MHz)				502200	518998	534996	Tune-up limit (dBm)	MPR (dB)	
30	PI2 BPSK	1	1	21.28	20.89	20.88		21.1	0.0
Channel									
Frequency (MHz)				501204	518998	535998	Tune-up limit (dBm)	MPR (dB)	
20	PI2 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									
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	24.52	24.74	24.68			
100	PI2 BPSK	1	137	24.72	24.94	24.89		26.0	0.0
100	PI2 BPSK	1	271	24.68	24.76	24.66			
100	PI2 BPSK	135	0	24.07	24.24	24.18			
100	PI2 BPSK	135	69	24.85	24.84	24.69		26.0	0.0
100	PI2 BPSK	135	135	24.12	24.29	24.21			
100	PI2 BPSK	270	0	24.19	24.39	24.21		25.5	0.5
100	QPSK	1	1	24.83	25.02	24.78			
100	QPSK	1	137	24.96	25.01	24.96		26.0	0.0
100	QPSK	1	271	24.72	24.94	24.88			
100	QPSK	135	0	23.56	23.72	23.63			
100	QPSK	135	69	24.83	24.95	24.85		26.0	0.0
100	QPSK	135	135	23.58	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	16QAM	1	1	22.40	22.54	22.44		22.5	2.5
100	256QAM	1	1	20.22	20.32	20.18		21.5	4.5
Channel									
Frequency (MHz)				648668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
90	PI2 BPSK	1	1	24.68	24.81	24.73		26.0	0.0
Channel									
Frequency (MHz)				3740.01	3840	3940.02	Tune-up limit (dBm)	MPR (dB)	
80	PI2 BPSK	1	1	24.45	24.62	24.56		26.0	0.0
Channel									
Frequency (MHz)				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
70	PI2 BPSK	1	1	24.83	24.78	24.75		26.0	0.0
Channel									
Frequency (MHz)				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
60	PI2 BPSK	1	1	24.40	24.63	24.55		26.0	0.0
Channel									
Frequency (MHz)				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
50	PI2 BPSK	1	1	24.55	24.70	24.62		26.0	0.0
Channel									
Frequency (MHz)				649000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
40	PI2 BPSK	1	1	24.33	24.46	24.23		26.0	0.0
Channel									
Frequency (MHz)				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
30	PI2 BPSK	1	1	24.15	24.65	24.52		26.0	0.0
Channel									
Frequency (MHz)				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
20	PI2 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									
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		27.0	0.5
100	QPSK	1	1	26.23	26.33	26.18			
100	QPSK	1	137	26.11	26.16	26.04		27.5	0.0
100	QPSK	1	271	25.99	26.07	25.96			
100	QPSK	135	0	24.94	25.03	24.89			
100	QPSK	135	69	26.02	26.10	26.03		27.5	0.0
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	16QAM	1	1	23.17	23.45	23.37		23.0	2.5
100	256QAM	1	1	21.24	21.39	21.33		23.0	4.5
Channel									
Frequency (MHz)				648668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
90	PI2 BPSK	1	1	25.87	25.85	25.88		27.5	0.0
Channel									
Frequency (MHz)				3740.01	3840	3940.02	Tune-up limit (dBm)	MPR (dB)	
80	PI2 BPSK	1	1	25.78	25.97	25.83		27.5	0.0
Channel									
Frequency (MHz)				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
70	PI2 BPSK	1	1	25.76	25.96	25.75		27.5	0.0
Channel									
Frequency (MHz)				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
60	PI2 BPSK	1	1	25.85	25.95	25.82		27.5	0.0
Channel									
Frequency (MHz)				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
50	PI2 BPSK	1	1	25.72	25.91	25.79		27.5	0.0
Channel									
Frequency (MHz)				649000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
40	PI2 BPSK	1	1	25.83	25.98	25.82		27.5	0.0
Channel									
Frequency (MHz)				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
30	PI2 BPSK	1	1	25.84	25.91	25.89		27.5	0.0
Channel									
Frequency (MHz)				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
20	PI2 BPSK	1	1	25.84	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			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	18.43	18.46	18.41			
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	18.46	18.58	18.41			
100	PI/2 BPSK	135	69	18.60	18.69	18.53	19.1	0.0	
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			
100	QPSK	1	137	18.71	18.81	18.67	19.1	0.0	
100	QPSK	1	271	18.53	18.63	18.51			
100	QPSK	135	0	18.55	18.58	18.50			
100	QPSK	135	69	18.58	18.61	18.53	19.1	0.0	
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			
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			
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			
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			
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			
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	534996			
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			
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			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	18.85	18.89	18.80			
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	18.91	18.95	18.72			
100	PI/2 BPSK	135	69	18.98	19.00	18.88	19.5	0.0	
100	PI/2 BPSK	135	138	18.99	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			
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			
100	QPSK	135	69	18.86	18.95	18.81	19.5	0.0	
100	QPSK	135	138	18.80	18.85	18.70			
100	QPSK	270	0	18.91	18.98	18.72	19.5	0.0	
100	16QAM	1	1	16.17	16.27	16.08	19.5	0.0	
100	64QAM	1	1	18.81	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			
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			
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			
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			
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			
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			
Frequency (MHz)				3720	3840	3960			
40	PI/2 BPSK	1	1	18.89	18.86	18.73	19.5	0.0	
Channel				647668	656000	664334			
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			
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	528993		
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	18.49		
100	QPSK	135	0	18.08	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		
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		
Frequency (MHz)				2536.02	2592.99	2650.99		
80	PI/2 BPSK	1	1	20.03	20.31	20.18	21.5	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	PI/2 BPSK	1	1	20.09	20.28	20.08	21.5	0.0
Channel				504204	518598	532993		
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		
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		
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		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	20.25	20.30	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				50200	51858	53000		
Frequency (MHz)				2548.01	2592.99	2640		
100	PI2 BPSK	1	1	14.66	14.92	14.78		
100	PI2 BPSK	1	137	14.55	14.98	14.78		
100	PI2 BPSK	1	271	13.02	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	18.0	0.0
100	PI2 BPSK	135	138	13.99	13.99	13.91		
100	PI2 BPSK	270	0	14.56	14.96	14.65	18.0	0.0
100	QPSK	1	1	14.73	14.98	14.75		
100	QPSK	1	137	14.80	14.83	14.53	18.0	0.0
100	QPSK	1	271	12.81	13.04	12.89		
100	QPSK	135	0	13.54	13.73	13.85		
100	QPSK	135	69	14.36	14.62	14.37	18.0	0.0
100	QPSK	135	138	12.92	13.36	12.99		
100	QPSK	270	0	14.60	14.68	14.69	18.0	0.0
100	16QAM	1	1	14.59	14.59	14.48	18.0	0.0
100	16QAM	1	1	14.34	14.60	14.58	18.0	0.0
100	256QAM	1	1	14.72	14.56	14.33	18.0	0.0
Channel				50800	51858	52896	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	PI2 BPSK	1	1	14.58	14.74	14.65	18.0	0.0
Channel				50200	51858	52998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	PI2 BPSK	1	1	14.58	14.91	14.71	18.0	0.0
Channel				505200	51858	53198	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536	2592.99	2659.98		
60	PI2 BPSK	1	1	14.53	14.69	14.49	18.0	0.0
Channel				504204	51858	53298	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI2 BPSK	1	1	14.59	14.82	14.69	18.0	0.0
Channel				503202	51858	53000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI2 BPSK	1	1	14.07	14.69	14.41	18.0	0.0
Channel				502200	51858	53498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	PI2 BPSK	1	1	14.60	14.84	14.30	18.0	0.0
Channel				501204	51858	53598	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI2 BPSK	1	1	14.75	14.88	14.54	18.0	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				50200	51858	52900		
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	18.0	0.0
100	PI2 BPSK	1	271	16.68	16.76	16.61		
100	PI2 BPSK	135	0	16.79	16.82	16.74		
100	PI2 BPSK	135	69	16.78	16.80	16.74	18.0	0.0
100	PI2 BPSK	135	138	16.75	16.80	16.68		
100	PI2 BPSK	270	0	16.84	16.78	16.85	18.0	0.0
100	QPSK	1	1	16.37	16.84	16.51		
100	QPSK	1	137	16.56	16.69	16.50	18.0	0.0
100	QPSK	1	271	16.83	16.71	16.54		
100	QPSK	135	0	16.39	16.47	16.35		
100	QPSK	135	69	16.37	16.49	16.35	18.0	0.0
100	QPSK	135	138	16.41	16.46	16.32		
100	QPSK	270	0	16.26	16.39	16.23	18.0	0.0
100	16QAM	1	1	16.46	16.63	16.46	18.0	0.0
100	16QAM	1	1	16.59	16.53	16.44	18.0	0.0
100	256QAM	1	1	16.56	16.56	16.45	18.0	0.0
Channel				50800	51858	52896	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	PI2 BPSK	1	1	16.39	16.45	16.34	18.0	0.0
Channel				50200	51858	52998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	PI2 BPSK	1	1	16.37	16.48	16.34	18.0	0.0
Channel				505200	51858	53198	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536	2592.99	2659.98		
60	PI2 BPSK	1	1	16.38	16.42	16.30	18.0	0.0
Channel				504204	51858	53298	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI2 BPSK	1	1	16.28	16.41	16.24	18.0	0.0
Channel				503202	51858	53000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI2 BPSK	1	1	16.30	16.22	16.14	18.0	0.0
Channel				502200	51858	53498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	PI2 BPSK	1	1	16.31	16.22	16.14	18.0	0.0
Channel				501204	51858	53598	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
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				50200	51858	53000		
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	17.0	0.0
100	PI2 BPSK	1	271	14.87	14.82	14.77		
100	PI2 BPSK	135	0	15.35	14.93	15.02		
100	PI2 BPSK	135	69	15.31	15.01	15.09	17.0	0.0
100	PI2 BPSK	135	138	15.17	14.91	14.97		
100	PI2 BPSK	270	0	15.26	14.99	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	17.0	0.0
100	QPSK	1	271	15.31	15.19	15.15		
100	QPSK	135	0	15.24	15.01	15.09		
100	QPSK	135	69	15.20	15.26	15.12	17.0	0.0
100	QPSK	135	138	15.18	15.16	14.99		
100	QPSK	270	0	15.21	15.23	15.07	17.0	0.0
100	16QAM	1	1	15.33	14.86	14.89	17.0	0.0
100	16QAM	1	1	15.24	14.87	14.86	17.0	0.0
100	256QAM	1	1	15.35	14.86	14.88	17.0	0.0
Channel				50800	51858	52896	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	PI2 BPSK	1	1	15.31	15.03	15.02	17.0	0.0
Channel				50200	51858	52998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	PI2 BPSK	1	1	15.15	14.85	14.86	17.0	0.0
Channel				505200	51858	53198	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536	2592.99	2659.98		
60	PI2 BPSK	1	1	15.30	14.90	14.82	17.0	0.0
Channel				504204	51858	53298	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI2 BPSK	1	1	15.11	15.03	14.81	17.0	0.0
Channel				503202	51858	53000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI2 BPSK	1	1	15.24	15.13	14.98	17.0	0.0
Channel				502200	51858	53498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	PI2 BPSK	1	1	15.20	15.17	15.20	17.0	0.0
Channel				501204	51858	53598	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
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				50500	51858	53000		
Frequency (MHz)				2544.01	2592.99	2640		
100	PI2 BPSK	1	1	20.21	20.31	20.19		
100	PI2 BPSK	1	137	20.32	20.57	20.22	21.5	0.0
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	20.36	20.04	21.5	0.0
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	20.62	20.42		
100	QPSK	135	0	19.35	19.42	19.25		
100	QPSK	135	69	20.39	20.50	20.35	21.5	0.0
100	QPSK	135	138	19.39	19.42	19.16		
100	QPSK	270	0	20.10	20.36	19.99	21.5	0.0
100	16QAM	1	1	19.49	19.63	19.46	21.5	0.0
100	16QAM	1	1	19.47	19.87	19.26	21.5	0.0
100	256QAM	1	1	19.92	20.10	19.81	21.5	0.0
Channel				60800	51858	52896		
Frequency (MHz)				2541	2592.99	2644.98		
90	PI2 BPSK	1	1	20.38	20.50	20.31	21.5	0.0
Channel				50700	51858	52950		
Frequency (MHz)				2534.02	2592.99	2649.99		
80	PI2 BPSK	1	1	20.34	20.61	20.20	21.5	0.0
Channel				50500	51858	53196		
Frequency (MHz)				2526	2592.99	2659.98		
80	PI2 BPSK	1	1	20.20	20.29	20.18	21.5	0.0
Channel				50500	51858	53298		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI2 BPSK	1	1	20.44	20.57	20.39	21.5	0.0
Channel				50200	51858	53400		
Frequency (MHz)				2510.01	2592.99	2670		
40	PI2 BPSK	1	1	20.03	20.62	20.22	21.5	0.0
Channel				50200	51858	53496		
Frequency (MHz)				2511	2592.99	2674.98		
30	PI2 BPSK	1	1	20.42	20.53	20.27	21.5	0.0
Channel				50100	51858	53598		
Frequency (MHz)				2504.02	2592.99	2678.99		
20	PI2 BPSK	1	1	20.35	20.60	20.21	21.5	0.0

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				63000	66000	68200		
Frequency (MHz)				3700	3840	3930		
100	PI2 BPSK	1	1	19.96	20.11	20.07		
100	PI2 BPSK	1	137	20.07	20.24	20.20	21.5	0.0
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	21.5	0.0
100	QPSK	1	1	19.99	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	21.5	0.0
100	QPSK	135	138	20.20	20.23	20.16		
100	QPSK	270	0	20.14	20.16	20.16	21.5	0.0
100	16QAM	1	1	20.16	20.20	20.22	21.5	0.0
100	16QAM	1	1	20.20	20.19	20.21	21.5	0.0
100	256QAM	1	1	20.19	20.15	20.22	21.5	0.0
Channel				64868	66000	66234		
Frequency (MHz)				3745.02	3840	3935.01		
90	PI2 BPSK	1	1	19.99	19.98	19.25	21.5	0.0
Channel				64868	66000	66234		
Frequency (MHz)				3740.01	3840	3940.02		
80	PI2 BPSK	1	1	19.35	19.40	19.23	21.5	0.0
Channel				649000	66000	663000		
Frequency (MHz)				3735	3840	3945		
70	PI2 BPSK	1	1	19.33	19.20	19.40	21.5	0.0
Channel				64868	66000	66334		
Frequency (MHz)				3730.02	3840	3950.01		
60	PI2 BPSK	1	1	19.54	19.32	19.46	21.5	0.0
Channel				648334	66000	663668		
Frequency (MHz)				3725.01	3840	3955.02		
50	PI2 BPSK	1	1	19.99	20.05	19.89	21.5	0.0
Channel				648000	66000	664000		
Frequency (MHz)				3720	3840	3960		
40	PI2 BPSK	1	1	19.99	20.14	20.18	21.5	0.0
Channel				647668	66000	664334		
Frequency (MHz)				3715.02	3840	3965.01		
30	PI2 BPSK	1	1	19.71	19.81	19.90	21.5	0.0
Channel				647334	66000	664668		
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				63000	66000	68300		
Frequency (MHz)				3700	3840	3930		
100	PI2 BPSK	1	1	22.12	22.11	22.07		
100	PI2 BPSK	1	137	21.95	21.91	21.76	23.0	0.0
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	23.0	0.0
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	23.0	0.0
100	QPSK	135	138	21.21	21.13	21.26		
100	QPSK	270	0	21.16	21.12	21.32	23.0	0.0
100	16QAM	1	1	21.48	21.42	21.42	23.0	0.0
100	16QAM	1	1	21.20	21.35	21.26	22.5	0.5
100	256QAM	1	1	18.90	18.97	19.07	20.5	2.5
Channel				66234	66000	66234		
Frequency (MHz)				3745.02	3840	3935.01		
90	PI2 BPSK	1	1	21.90	22.13	21.82	23.0	0.0
Channel				648334	66000	663668		
Frequency (MHz)				3740.01	3840	3940.02		
80	PI2 BPSK	1	1	22.04	22.10	21.93	23.0	0.0
Channel				649000	66000	663000		
Frequency (MHz)				3735	3840	3945		
70	PI2 BPSK	1	1	22.00	22.12	21.90	23.0	0.0
Channel				64868	66000	66334		
Frequency (MHz)				3730.02	3840	3950.01		
60	PI2 BPSK	1	1	21.85	22.05	21.86	23.0	0.0
Channel				648334	66000	663668		
Frequency (MHz)				3725.01	3840	3955.02		
50	PI2 BPSK	1	1	21.81	21.97	21.79	23.0	0.0
Channel				648000	66000	664000		
Frequency (MHz)				3720	3840	3960		
40	PI2 BPSK	1	1	21.85	21.91	21.78	23.0	0.0
Channel				647668	66000	664334		
Frequency (MHz)				3715.02	3840	3965.01		
30	PI2 BPSK	1	1	21.94	21.93	21.94	23.0	0.0
Channel				647334	66000	664668		
Frequency (MHz)				3710.01	3840	3970.02		
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										
Frequency (MHz)										
				2546.01	2592.99	2640				
100	PI2 BPSK	1	1	14.78	14.76	14.72				
100	PI2 BPSK	1	137	14.89	15.07	14.84	18.0	0.0		
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	18.0	0.0		
100	PI2 BPSK	135	138	14.17	14.60	14.42				
100	PI2 BPSK	270	0	14.70	14.90	14.67	18.0	0.0		
100	QPSK	1	1	14.74	15.14	14.69				
100	QPSK	1	137	14.78	14.84	14.86	18.0	0.0		
100	QPSK	1	271	14.90	15.09	14.93				
100	QPSK	135	0	13.97	13.89	13.63				
100	QPSK	135	69	14.83	14.95	14.88	18.0	0.0		
100	QPSK	135	138	13.83	13.96	13.71				
100	QPSK	270	0	14.54	14.78	14.81	18.0	0.0		
100	16QAM	1	1	14.11	14.22	13.88	18.0	0.0		
100	16QAM	1	1	13.84	14.24	13.88	18.0	0.0		
100	256QAM	1	1	14.32	14.54	14.27	18.0	0.0		
Channel										
506200										
Frequency (MHz)										
				2541	2592.99	2644.98		MPR		(dB)
90	PI2 BPSK	1	1	14.64	14.73	14.60	17.0	0.0		
Channel										
507200										
Frequency (MHz)										
				2536.02	2592.99	2649.99		MPR		(dB)
80	PI2 BPSK	1	1	14.59	14.86	14.54	18.0	0.0		
Channel										
508200										
Frequency (MHz)										
				2526	2592.99	2659.98		MPR		(dB)
60	PI2 BPSK	1	1	14.54	14.70	14.58	18.0	0.0		
Channel										
509200										
Frequency (MHz)										
				2521.02	2592.99	2664.99		MPR		(dB)
50	PI2 BPSK	1	1	14.62	14.80	14.75	18.0	0.0		
Channel										
503202										
Frequency (MHz)										
				2516.01	2592.99	2670		MPR		(dB)
40	PI2 BPSK	1	1	14.59	15.01	14.54	18.0	0.0		
Channel										
502200										
Frequency (MHz)										
				2511	2592.99	2674.98		MPR		(dB)
30	PI2 BPSK	1	1	14.73	14.77	14.54	18.0	0.0		
Channel										
501204										
Frequency (MHz)										
				2497.82	2592.99	2678.99		MPR		(dB)
20	PI2 BPSK	1	1	14.03	14.95	14.41	18.0	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										
Frequency (MHz)										
				2546.01	2592.99	2640				
100	PI2 BPSK	1	1	15.81	15.92	15.68				
100	PI2 BPSK	1	137	15.70	16.14	15.72	17.0	0.0		
100	PI2 BPSK	1	271	15.78	15.92	15.75				
100	PI2 BPSK	135	0	15.13	15.41	15.17				
100	PI2 BPSK	135	69	15.90	15.97	15.70	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	17.0	0.0		
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	14.74				
100	QPSK	135	69	15.84	16.03	15.77	17.0	0.0		
100	QPSK	135	138	14.90	15.04	14.66				
100	QPSK	270	0	15.58	15.88	15.44	17.0	0.0		
100	16QAM	1	1	14.94	15.13	14.96	17.0	0.0		
100	16QAM	1	1	15.06	15.14	14.86	17.0	0.0		
100	256QAM	1	1	15.54	15.54	15.36	17.0	0.0		
Channel										
506200										
Frequency (MHz)										
				2541	2592.99	2644.98		MPR		(dB)
90	PI2 BPSK	1	1	15.37	15.77	15.67	17.0	0.0		
Channel										
507200										
Frequency (MHz)										
				2536.02	2592.99	2649.99		MPR		(dB)
80	PI2 BPSK	1	1	15.52	15.98	15.56	17.0	0.0		
Channel										
508200										
Frequency (MHz)										
				2526	2592.99	2659.98		MPR		(dB)
60	PI2 BPSK	1	1	15.51	15.72	15.33	17.0	0.0		
Channel										
509200										
Frequency (MHz)										
				2521.02	2592.99	2664.99		MPR		(dB)
50	PI2 BPSK	1	1	15.59	15.85	15.84	17.0	0.0		
Channel										
503202										
Frequency (MHz)										
				2516.01	2592.99	2670		MPR		(dB)
40	PI2 BPSK	1	1	15.53	15.92	15.64	17.0	0.0		
Channel										
502200										
Frequency (MHz)										
				2511	2592.99	2674.98		MPR		(dB)
30	PI2 BPSK	1	1	15.84	15.66	15.60	17.0	0.0		
Channel										
501204										
Frequency (MHz)										
				2497.82	2592.99	2678.99		MPR		(dB)
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										
Frequency (MHz)										
				2546.01	2592.99	2640				
100	PI2 BPSK	1	1	17.07	17.15	17.01				
100	PI2 BPSK	1	137	17.06	17.19	17.00	18.0	0.0		
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	18.87	18.99	18.85	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	18.0	0.0		
100	QPSK	1	1	17.11	17.33	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	18.0	0.0		
100	QPSK	135	138	17.25	17.30	17.18				
100	QPSK	270	0	17.14	17.28	17.15	18.0	0.0		
100	16QAM	1	1	16.96	17.13	16.96	18.0	0.0		
100	16QAM	1	1	17.09	17.13	16.94	18.0	0.0		
100	256QAM	1	1	17.06	17.06	16.95	18.0	0.0		
Channel										
506200										
Frequency (MHz)										
				2541	2592.99	2644.98		MPR		(dB)
90	PI2 BPSK	1	1	16.85	16.95	16.84	18.0	0.0		
Channel										
507200										
Frequency (MHz)										
				2536.02	2592.99	2649.99		MPR		(dB)
80	PI2 BPSK	1	1	16.87	16.98	16.84	18.0	0.0		
Channel										
508200										
Frequency (MHz)										
				2526	2592.99	2659.98		MPR		(dB)
60	PI2 BPSK	1	1	16.85	16.92	16.80	18.0	0.0		
Channel										
509200										
Frequency (MHz)										
				2521.02	2592.99	2664.99		MPR		(dB)
50	PI2 BPSK	1	1	16.78	16.91	16.74	18.0	0.0		
Channel										
503202										
Frequency (MHz)										
				2516.01	2592.99	2670		MPR		(dB)
40	PI2 BPSK	1	1	16.80	16.72	16.54	18.0	0.0		
Channel										
502200										
Frequency (MHz)										
				2511	2592.99	2674.98		MPR		(dB)
30	PI2 BPSK	1	1	16.81	16.72	16.64	18.0	0.0		
Channel										
501204										
Frequency (MHz)										
				2497.82	2592.99	2678.99		MPR		(dB)
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	MPR (dB)
Channel				65000	65000	65000	
Frequency (MHz)				3750	3840	3930	
100	PI2 BPSK	1	1	15.16	15.17	15.15	
100	PI2 BPSK	1	137	15.04	14.91	14.86	15.6
100	PI2 BPSK	1	271	14.68	14.74	14.95	
100	PI2 BPSK	135	0	14.75	14.76	14.82	
100	PI2 BPSK	135	69	14.89	14.75	14.66	15.6
100	PI2 BPSK	135	138	14.76	14.55	14.59	
100	PI2 BPSK	270	0	14.81	14.78	14.80	15.6
100	QPSK	1	1	14.90	15.18	14.86	
100	QPSK	1	137	14.81	14.96	14.89	15.6
100	QPSK	1	271	14.62	14.76	15.07	
100	QPSK	135	0	14.17	14.30	14.35	
100	QPSK	135	69	14.77	14.80	14.77	15.6
100	QPSK	135	138	14.33	14.26	14.33	
100	QPSK	270	0	14.29	14.35	14.24	15.6
100	16QAM	1	1	14.54	14.45	14.39	15.6
100	64QAM	1	1	14.82	14.83	14.82	15.6
100	256QAM	1	1	14.60	14.78	14.68	15.6
Channel				64968	65000	65034	
Frequency (MHz)				3745.02	3840	3935.01	
90	PI2 BPSK	1	1	14.62	14.73	14.81	15.6
Channel				64934	65000	65066	
Frequency (MHz)				3740.01	3840	3940.02	
80	PI2 BPSK	1	1	14.78	14.65	14.61	15.6
Channel				64900	65000	65000	
Frequency (MHz)				3735	3840	3945	
70	PI2 BPSK	1	1	14.91	14.85	14.80	15.6
Channel				64868	65000	65334	
Frequency (MHz)				3730.02	3840	3950.01	
60	PI2 BPSK	1	1	14.88	14.84	14.78	15.6
Channel				64834	65000	65368	
Frequency (MHz)				3725.01	3840	3955.02	
50	PI2 BPSK	1	1	14.82	14.83	14.88	15.6
Channel				64800	65000	65000	
Frequency (MHz)				3720	3840	3960	
40	PI2 BPSK	1	1	14.78	14.82	14.91	15.6
Channel				64768	65000	65434	
Frequency (MHz)				3716.02	3840	3965.01	
30	PI2 BPSK	1	1	14.82	14.98	14.77	15.6
Channel				64734	65000	64868	
Frequency (MHz)				3710.01	3840	3970.02	
20	PI2 BPSK	1	1	14.88	14.72	14.81	15.6

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	MPR (dB)
Channel				65000	65000	65000	
Frequency (MHz)				3750	3840	3930	
100	PI2 BPSK	1	1	17.87	17.66	17.83	
100	PI2 BPSK	1	137	17.43	17.35	17.18	18.6
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
100	PI2 BPSK	135	138	17.26	17.01	17.13	
100	PI2 BPSK	270	0	17.21	17.39	17.19	18.6
100	QPSK	1	1	17.36	17.71	17.31	
100	QPSK	1	137	17.41	17.38	17.27	18.6
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	18.6
100	QPSK	135	138	16.86	16.87	16.71	
100	QPSK	270	0	16.76	16.53	16.68	18.6
100	16QAM	1	1	17.04	16.98	16.86	18.6
100	64QAM	1	1	17.12	17.38	17.40	18.6
100	256QAM	1	1	17.21	17.20	17.13	18.6
Channel				64968	65000	65234	
Frequency (MHz)				3745.02	3840	3935.01	
90	PI2 BPSK	1	1	17.22	17.62	17.25	18.6
Channel				64934	65000	65266	
Frequency (MHz)				3740.01	3840	3940.02	
80	PI2 BPSK	1	1	17.69	17.36	17.44	18.6
Channel				64900	65000	65000	
Frequency (MHz)				3735	3840	3945	
70	PI2 BPSK	1	1	17.47	17.44	17.31	18.6
Channel				64868	65000	65334	
Frequency (MHz)				3730.02	3840	3950.01	
60	PI2 BPSK	1	1	17.41	17.56	17.36	18.6
Channel				64834	65000	65368	
Frequency (MHz)				3725.01	3840	3955.02	
50	PI2 BPSK	1	1	17.22	17.65	17.25	18.6
Channel				64800	65000	65000	
Frequency (MHz)				3720	3840	3960	
40	PI2 BPSK	1	1	17.48	17.32	17.65	18.6
Channel				64768	65000	65434	
Frequency (MHz)				3716.02	3840	3965.01	
30	PI2 BPSK	1	1	17.35	17.48	17.25	18.6
Channel				64734	65000	64868	
Frequency (MHz)				3710.01	3840	3970.02	
20	PI2 BPSK	1	1	17.82	17.54	17.22	18.6



Ant 4 n77A PC3 Full Power TX0_MIMO									
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
Channel				650000	656000	662000			
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	20.57			
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			
100	QPSK	1	137	20.61	20.32	20.57	21.5	0.0	
100	QPSK	1	271	20.08	20.23	20.34			
100	QPSK	135	0	20.57	20.53	20.55	21.5	0.0	
100	QPSK	135	69	20.58	20.59	20.56			
100	QPSK	135	138	20.62	20.57	20.52	21.5	0.0	
100	QPSK	270	0	20.52	20.50	20.62			
100	16QAM	1	1	20.63	20.62	20.60	21.5	0.0	
100	16QAM	1	1	20.58	20.51	20.52			
100	256QAM	1	1	20.52	20.62	20.59	21.5	0.0	
Channel				649668	656000	662334			
Frequency (MHz)				3745.02	3840	3935.01			
90	PI/2 BPSK	1	1	19.84	19.84	19.77	21.5	0.0	
Channel				649334	656000	662668			
Frequency (MHz)				3740.01	3840	3940.02			
80	PI/2 BPSK	1	1	19.65	19.89	19.64	21.5	0.0	
Channel				649000	656000	663000			
Frequency (MHz)				3735	3840	3945			
70	PI/2 BPSK	1	1	19.65	19.84	19.76	21.5	0.0	
Channel				648668	656000	663334			
Frequency (MHz)				3730.02	3840	3950.01			
60	PI/2 BPSK	1	1	19.93	19.78	19.87	21.5	0.0	
Channel				648334	656000	663668			
Frequency (MHz)				3725.01	3840	3955.02			
50	PI/2 BPSK	1	1	20.27	20.53	20.56	21.5	0.0	
Channel				648000	656000	664000			
Frequency (MHz)				3720	3840	3960			
40	PI/2 BPSK	1	1	20.44	20.60	20.71	21.5	0.0	
Channel				647668	656000	664334			
Frequency (MHz)				3715.02	3840	3965.01			
30	PI/2 BPSK	1	1	20.39	20.46	20.47	21.5	0.0	
Channel				647334	656000	664668			
Frequency (MHz)				3710.01	3840	3970.02			
20	PI/2 BPSK	1	1	20.33	20.62	20.51	21.5	0.0	
Channel				647000	656000	665000			
Frequency (MHz)				3705	3840	3975			

Ant 4 n77A HPUE Full Power TX0_MIMO									
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
Channel				650000	656000	662000			
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			
100	QPSK	1	137	21.68	21.74	21.86	23.0	0.0	
100	QPSK	1	271	21.81	21.84	21.47			
100	QPSK	135	0	21.26	21.89	21.81	23.0	0.0	
100	QPSK	135	69	21.60	21.62	21.51			
100	QPSK	135	138	21.78	21.68	21.75	23.0	0.0	
100	QPSK	270	0	21.74	21.80	21.82			
100	16QAM	1	1	21.85	21.86	21.82	23.0	0.0	
100	16QAM	1	1	21.85	21.82	21.57			
100	256QAM	1	1	21.21	21.31	20.99	22.5	0.5	
Channel				649668	656000	662334			
Frequency (MHz)				3745.02	3840	3935.01			
90	PI/2 BPSK	1	1	21.90	22.13	21.82	23.0	0.0	
Channel				649334	656000	662668			
Frequency (MHz)				3740.01	3840	3940.02			
80	PI/2 BPSK	1	1	22.04	22.10	21.93	23.0	0.0	
Channel				649000	656000	663000			
Frequency (MHz)				3735	3840	3945			
70	PI/2 BPSK	1	1	22.00	22.12	21.90	23.0	0.0	
Channel				648668	656000	663334			
Frequency (MHz)				3730.02	3840	3950.01			
60	PI/2 BPSK	1	1	21.85	22.05	21.86	23.0	0.0	
Channel				648334	656000	663668			
Frequency (MHz)				3725.01	3840	3955.02			
50	PI/2 BPSK	1	1	21.81	21.97	21.79	23.0	0.0	
Channel				648000	656000	664000			
Frequency (MHz)				3720	3840	3960			
40	PI/2 BPSK	1	1	21.85	21.91	21.78	23.0	0.0	
Channel				647668	656000	664334			
Frequency (MHz)				3715.02	3840	3965.01			
30	PI/2 BPSK	1	1	21.94	21.93	21.98	23.0	0.0	
Channel				647334	656000	664668			
Frequency (MHz)				3710.01	3840	3970.02			
20	PI/2 BPSK	1	1	21.85	21.92	21.92	23.0	0.0	
Channel				647000	656000	665000			
Frequency (MHz)				3705	3840	3975			



Ant 4 n77 PC2/3 TX0_MIMO DSI 1/3/5									
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	15.80	15.92	15.70			
100	PI/2 BPSK	1	137	15.85	16.02	15.62	17.5	0.0	
100	PI/2 BPSK	1	271	15.98	16.13	16.21			
100	PI/2 BPSK	135	0	15.78	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			
100	QPSK	1	137	16.06	16.14	16.35	17.5	0.0	
100	QPSK	1	271	16.29	16.36	16.01			
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			
Frequency (MHz)				3745.02	3840	3935.01			
90	PI/2 BPSK	1	1	15.86	16.14	16.30	17.5	0.0	
Channel				649334	656000	662668			
Frequency (MHz)				3740.01	3840	3940.02			
80	PI/2 BPSK	1	1	15.86	16.18	16.35	17.5	0.0	
Channel				649000	656000	663000			
Frequency (MHz)				3735	3840	3945			
70	PI/2 BPSK	1	1	15.78	16.07	16.31	17.5	0.0	
Channel				648668	656000	663334			
Frequency (MHz)				3730.02	3840	3950.01			
60	PI/2 BPSK	1	1	15.88	16.10	16.37	17.5	0.0	
Channel				648334	656000	663668			
Frequency (MHz)				3725.01	3840	3955.02			
50	PI/2 BPSK	1	1	15.88	16.06	16.27	17.5	0.0	
Channel				648000	656000	664000			
Frequency (MHz)				3720	3840	3960			
40	PI/2 BPSK	1	1	15.42	15.78	15.83	17.5	0.0	
Channel				647668	656000	664334			
Frequency (MHz)				3715.02	3840	3965.01			
30	PI/2 BPSK	1	1	15.78	15.55	15.28	17.5	0.0	
Channel				647334	656000	664668			
Frequency (MHz)				3710.01	3840	3970.02			
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	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	17.82	18.03	17.66			
100	PI/2 BPSK	1	137	17.73	18.06	17.85	19.5	0.0	
100	PI/2 BPSK	1	271	18.11	18.21	18.13			
100	PI/2 BPSK	135	0	17.83	17.90	18.06			
100	PI/2 BPSK	135	69	17.80	17.82	18.28	19.5	0.0	
100	PI/2 BPSK	135	138	18.38	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			
100	QPSK	1	137	18.18	18.28	18.29	19.5	0.0	
100	QPSK	1	271	18.32	18.26	17.98			
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	18.36	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			
Frequency (MHz)				3745.02	3840	3935.01			
90	PI/2 BPSK	1	1	17.73	18.12	18.28	19.5	0.0	
Channel				649334	656000	662668			
Frequency (MHz)				3740.01	3840	3940.02			
80	PI/2 BPSK	1	1	17.80	18.02	18.32	19.5	0.0	
Channel				649000	656000	663000			
Frequency (MHz)				3735	3840	3945			
70	PI/2 BPSK	1	1	17.88	18.21	18.17	19.5	0.0	
Channel				648668	656000	663334			
Frequency (MHz)				3730.02	3840	3950.01			
60	PI/2 BPSK	1	1	17.83	17.95	18.30	19.5	0.0	
Channel				648334	656000	663668			
Frequency (MHz)				3725.01	3840	3955.02			
50	PI/2 BPSK	1	1	17.70	18.06	18.44	19.5	0.0	
Channel				648000	656000	664000			
Frequency (MHz)				3720	3840	3960			
40	PI/2 BPSK	1	1	17.62	17.70	17.81	19.5	0.0	
Channel				647668	656000	664334			
Frequency (MHz)				3715.02	3840	3965.01			
30	PI/2 BPSK	1	1	17.65	17.72	17.83	19.5	0.0	
Channel				647334	656000	664668			
Frequency (MHz)				3710.01	3840	3970.02			
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				509202	518598	528000		
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		
100	PI/2 BPSK	135	0	19.93	19.83	19.84	21.5	0.0
100	PI/2 BPSK	135	69	20.54	20.24	20.60		
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	20.63	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		
100	QPSK	135	0	19.39	19.60	19.54	21.5	0.0
100	QPSK	135	69	20.15	20.71	20.63		
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	2644.88	(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				506200	518598	531996	Tune-up limit	MPR
Frequency (MHz)				2530	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								
Frequency (MHz)				2546.01	2592.99	2640		
100	PI2 BPSK	1	1	12.27	12.35	12.21		
100	PI2 BPSK	1	137	12.26	12.39	12.20	13.5	0.0
100	PI2 BPSK	1	271	12.33	12.41	12.24		
100	PI2 BPSK	135	0	12.05	12.17	12.05		
100	PI2 BPSK	135	69	12.07	12.19	12.05	13.5	0.0
100	PI2 BPSK	135	138	12.11	12.16	12.02		
100	PI2 BPSK	270	0	11.98	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	13.5	0.0
100	QPSK	1	271	12.38	12.46	12.31		
100	QPSK	135	0	12.49	12.52	12.44		
100	QPSK	135	69	12.48	12.50	12.44	13.5	0.0
100	QPSK	135	138	12.45	12.50	12.38		
100	QPSK	270	0	12.34	12.48	12.35	13.5	0.0
100	16QAM	1	1	12.16	12.33	12.16	13.5	0.0
100	16QAM	1	1	12.29	12.33	12.14	13.5	0.0
100	256QAM	1	1	12.26	12.26	12.15	13.5	0.0
Channel								
Frequency (MHz)				508200	518998	528996	Tune-up limit (dBm)	MPR (dB)
90	PI2 BPSK	1	1	12.05	12.15	12.04	13.5	0.0
Channel								
Frequency (MHz)				507204	518998	528996	Tune-up limit (dBm)	MPR (dB)
80	PI2 BPSK	1	1	12.07	12.18	12.04	13.5	0.0
Channel								
Frequency (MHz)				505200	518998	531996	Tune-up limit (dBm)	MPR (dB)
60	PI2 BPSK	1	1	12.05	12.12	12.00	13.5	0.0
Channel								
Frequency (MHz)				504204	518998	532998	Tune-up limit (dBm)	MPR (dB)
50	PI2 BPSK	1	1	11.98	12.11	11.94	13.5	0.0
Channel								
Frequency (MHz)				503202	518998	534000	Tune-up limit (dBm)	MPR (dB)
40	PI2 BPSK	1	1	12.00	11.92	11.94	13.5	0.0
Channel								
Frequency (MHz)				502200	518998	534996	Tune-up limit (dBm)	MPR (dB)
30	PI2 BPSK	1	1	12.01	11.92	11.84	13.5	0.0
Channel								
Frequency (MHz)				501204	518998	535998	Tune-up limit (dBm)	MPR (dB)
20	PI2 BPSK	1	1	12.05	11.95	11.91	13.5	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								
Frequency (MHz)				2546.01	2592.99	2640		
100	PI2 BPSK	1	1	13.63	13.80	13.58		
100	PI2 BPSK	1	137	13.28	13.76	13.62	14.5	0.0
100	PI2 BPSK	1	271	12.67	12.70	13.08		
100	PI2 BPSK	135	0	12.35	12.56	12.62		
100	PI2 BPSK	135	69	13.87	13.24	13.57	14.5	0.0
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	13.49	14.5	0.0
100	QPSK	1	271	11.90	12.22	11.99		
100	QPSK	135	0	12.40	12.65	12.46		
100	QPSK	135	69	13.13	13.66	13.46	14.5	0.0
100	QPSK	135	138	12.10	12.25	11.98		
100	QPSK	270	0	13.47	13.50	13.54	14.5	0.0
100	16QAM	1	1	13.33	13.28	13.35	14.5	0.0
100	16QAM	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								
Frequency (MHz)				508200	518998	528996	Tune-up limit (dBm)	MPR (dB)
90	PI2 BPSK	1	1	13.47	13.36	13.55	14.5	0.0
Channel								
Frequency (MHz)				507204	518998	528996	Tune-up limit (dBm)	MPR (dB)
80	PI2 BPSK	1	1	13.33	13.55	13.59	14.5	0.0
Channel								
Frequency (MHz)				505200	518998	531996	Tune-up limit (dBm)	MPR (dB)
60	PI2 BPSK	1	1	13.43	13.53	13.63	14.5	0.0
Channel								
Frequency (MHz)				504204	518998	532998	Tune-up limit (dBm)	MPR (dB)
50	PI2 BPSK	1	1	13.63	13.23	13.77	14.5	0.0
Channel								
Frequency (MHz)				503202	518998	534000	Tune-up limit (dBm)	MPR (dB)
40	PI2 BPSK	1	1	13.51	13.57	13.75	14.5	0.0
Channel								
Frequency (MHz)				502200	518998	534996	Tune-up limit (dBm)	MPR (dB)
30	PI2 BPSK	1	1	13.37	13.40	13.48	14.5	0.0
Channel								
Frequency (MHz)				501204	518998	535998	Tune-up limit (dBm)	MPR (dB)
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								
Frequency (MHz)				2546.01	2592.99	2640		
100	PI2 BPSK	1	1	14.47	14.88	14.61		
100	PI2 BPSK	1	137	14.44	14.68	14.54	15.5	0.0
100	PI2 BPSK	1	271	13.66	13.63	14.09		
100	PI2 BPSK	135	0	13.88	13.80	13.52		
100	PI2 BPSK	135	69	14.43	14.31	14.64	15.5	0.0
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	15.5	0.0
100	QPSK	1	271	12.86	13.20	13.08		
100	QPSK	135	0	13.46	13.49	13.46		
100	QPSK	135	69	14.23	14.01	14.50	15.5	0.0
100	QPSK	135	138	13.07	13.19	12.98		
100	QPSK	270	0	14.48	14.45	14.63	15.5	0.0
100	16QAM	1	1	14.24	14.28	14.33	15.5	0.0
100	16QAM	1	1	14.48	14.39	14.49	15.5	0.0
100	256QAM	1	1	14.53	14.33	14.68	15.5	0.0
Channel								
Frequency (MHz)				508200	518998	528996	Tune-up limit (dBm)	MPR (dB)
90	PI2 BPSK	1	1	14.25	14.56	14.61	13.5	0.0
Channel								
Frequency (MHz)				507204	518998	528996	Tune-up limit (dBm)	MPR (dB)
80	PI2 BPSK	1	1	14.18	14.46	14.42	15.5	0.0
Channel								
Frequency (MHz)				505200	518998	531996	Tune-up limit (dBm)	MPR (dB)
60	PI2 BPSK	1	1	14.39	14.64	14.60	15.5	0.0
Channel								
Frequency (MHz)				504204	518998	532998	Tune-up limit (dBm)	MPR (dB)
50	PI2 BPSK	1	1	14.53	14.29	14.74	15.5	0.0
Channel								
Frequency (MHz)				503202	518998	534000	Tune-up limit (dBm)	MPR (dB)
40	PI2 BPSK	1	1	14.51	14.69	14.58	15.5	0.0
Channel								
Frequency (MHz)				502200	518998	534996	Tune-up limit (dBm)	MPR (dB)
30	PI2 BPSK	1	1	14.33	14.44	14.50	15.5	0.0
Channel								
Frequency (MHz)				501204	518998	535998	Tune-up limit (dBm)	MPR (dB)
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				65000	65000	66000			
Frequency (MHz)				3750	3840	3930			
100	Pi/2 BPSK	1	1	20.42	20.47	20.53			
100	Pi/2 BPSK	1	137	20.38	20.54	20.66	21.5	0.0	
100	Pi/2 BPSK	1	271	20.33	20.48	20.61			
100	Pi/2 BPSK	135	0	20.48	20.52	20.67			
100	Pi/2 BPSK	135	69	20.39	20.60	20.49	21.5	0.0	
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	Pi/2 BPSK	1	1	20.59	20.67	20.82			
100	QPSK	1	137	20.56	20.29	20.61	21.5	0.0	
100	QPSK	1	271	20.20	20.33	20.29			
100	QPSK	135	0	20.63	20.56	20.66			
100	QPSK	135	69	20.53	20.65	20.62	21.5	0.0	
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				649688	650000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	Pi/2 BPSK	1	1	19.77	19.67	19.73	21.5	0.0	
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	Pi/2 BPSK	1	1	19.85	19.79	19.70	21.5	0.0	
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	Pi/2 BPSK	1	1	19.75	19.57	19.70	21.5	0.0	
Channel				643668	650000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	Pi/2 BPSK	1	1	19.93	19.70	19.82	21.5	0.0	
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	Pi/2 BPSK	1	1	20.29	20.58	20.38	21.5	0.0	
Channel				649000	650000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	Pi/2 BPSK	1	1	20.20	20.38	20.57	21.5	0.0	
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	Pi/2 BPSK	1	1	20.44	20.45	20.55	21.5	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	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				65000	65000	66000			
Frequency (MHz)				3750	3840	3930			
100	Pi/2 BPSK	1	1	22.00	22.09	22.00			
100	Pi/2 BPSK	1	137	21.99	22.08	21.99	23.0	0.0	
100	Pi/2 BPSK	1	271	21.92	22.08	21.90			
100	Pi/2 BPSK	135	0	21.89	21.98	21.95			
100	Pi/2 BPSK	135	69	21.98	22.11	21.99	23.0	0.0	
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			
100	QPSK	1	137	22.13	22.17	22.01	23.0	0.0	
100	QPSK	1	271	21.98	22.05	21.94			
100	QPSK	135	0	21.95	21.98	21.91			
100	QPSK	135	69	22.05	22.07	22.05	23.0	0.0	
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	21.86	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				649688	650000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	Pi/2 BPSK	1	1	21.88	21.91	21.91	23.0	0.0	
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	Pi/2 BPSK	1	1	21.74	21.93	21.86	23.0	0.0	
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	Pi/2 BPSK	1	1	21.71	21.90	21.75	23.0	0.0	
Channel				643668	650000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	Pi/2 BPSK	1	1	21.89	21.99	21.84	23.0	0.0	
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	Pi/2 BPSK	1	1	21.88	21.92	21.85	23.0	0.0	
Channel				649000	650000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	Pi/2 BPSK	1	1	21.72	21.95	21.88	23.0	0.0	
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	Pi/2 BPSK	1	1	22.01	22.01	21.99	23.0	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	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				65000	65000	66000			
Frequency (MHz)				3750	3840	3930			
100	Pi/2 BPSK	1	1	16.57	16.49	16.55			
100	Pi/2 BPSK	1	137	16.45	16.53	16.51	17.5	0.0	
100	Pi/2 BPSK	1	271	16.48	16.69	16.28			
100	Pi/2 BPSK	135	0	16.46	16.56	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	17.5	0.0	
100	Pi/2 BPSK	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	16.63	17.5	0.0	
100	QPSK	135	138	16.40	16.36	16.34			
100	QPSK	270	0	16.26	16.62	16.45	17.5	0.0	
100	16QAM	1	1	16.18	16.30	16.37	17.5	0.0	
100	64QAM	1	1	16.44	16.46	16.36	17.5	0.0	
100	256QAM	1	1	16.12	16.24	16.17	17.5	0.0	
Channel				649688	650000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	Pi/2 BPSK	1	1	16.27	16.52	16.33	17.5	0.0	
Channel				649334	650000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	Pi/2 BPSK	1	1	16.21	16.31	16.31	17.5	0.0	
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	Pi/2 BPSK	1	1	16.14	16.58	16.30	17.5	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	16.31	16.45	16.30	17.5	0.0	
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	Pi/2 BPSK	1	1	16.35	16.49	16.48	17.5	0.0	
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	Pi/2 BPSK	1	1	16.32	16.40	16.34	17.5	0.0	
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	Pi/2 BPSK	1	1	16.36	16.30	16.41	17.5	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	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				65000	65000	66000			
Frequency (MHz)				3750	3840	3930			
100	Pi/2 BPSK	1	1	16.62	16.48	16.56			
100	Pi/2 BPSK	1	137	16.35	16.59	16.52	19.5	0.0	
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	19.5	0.0	
100	QPSK	1	1	16.79	16.87	16.84			
100	QPSK	1	137	16.59	16.61	16.62	19.5	0.0	
100	QPSK	1	271	16.59	16.35	16.65			
100	QPSK	135	0	16.32	16.46	16.48			
100	QPSK	135	69	16.49	16.52	16.52	19.5	0.0	
100	QPSK	135	138	16.36	16.29	16.28			
100	QPSK	270	0	16.23	16.62	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	16.45	16.28	19.5	0.0	
100	256QAM	1	1	16.08	16.32	16.07	19.5	0.0	
Channel				649688	650000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	Pi/2 BPSK	1	1	16.42	16.29	16.29	19.5	0.0	
Channel				649334	650000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	Pi/2 BPSK	1	1	16.18	16.37	16.28	19.5	0.0	
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	Pi/2 BPSK	1	1	16.10	16.30	16.21	19.5	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	16.30	16.38	16.37	19.5	0.0	
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	Pi/2 BPSK	1	1	16.34	16.44	16.22	19.5	0.0	
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	Pi/2 BPSK	1	1	16.28	16.45	16.49	19.5	0.0	
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	Pi/2 BPSK	1	1	16.43	16.47	16.39	19.5	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	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	MPR (dB)
Channel				50502	51858	53000	
Frequency (MHz)				2548.01	2592.99	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
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
100	PI2 BPSK	135	138	19.74	19.40	19.37	
100	PI2 BPSK	270	0	19.88	19.87	19.87	21.5
100	QPSK	1	1	20.50	20.63	20.08	
100	QPSK	1	137	19.49	19.91	19.76	21.5
100	QPSK	1	271	19.83	20.04	19.83	
100	QPSK	135	0	19.27	18.87	18.83	
100	QPSK	135	69	20.21	20.23	19.92	21.5
100	QPSK	135	138	19.00	18.85	18.98	
100	QPSK	270	0	20.25	19.93	19.85	21.5
100	16QAM	1	1	20.80	20.30	20.26	21.5
100	16QAM	1	1	18.86	18.40	18.58	20.0
100	256QAM	1	1	16.73	16.48	16.55	18.0
Channel				50500	51858	53096	
Frequency (MHz)				2541	2592.99	2644.98	
80	PI2 BPSK	1	1	20.43	19.89	19.86	21.5
Channel				50504	51858	53092	
Frequency (MHz)				2538.02	2592.99	2640.99	
80	PI2 BPSK	1	1	20.43	19.85	20.01	21.5
Channel				50500	51858	53198	
Frequency (MHz)				2526	2592.99	2650.98	
60	PI2 BPSK	1	1	20.42	19.85	19.84	21.5
Channel				50504	51858	53298	
Frequency (MHz)				2521.02	2592.99	2644.99	
50	PI2 BPSK	1	1	20.20	19.72	20.09	21.5
Channel				50202	51858	53400	
Frequency (MHz)				2510.01	2592.99	2670	
40	PI2 BPSK	1	1	20.25	19.58	20.06	21.5
Channel				50200	51858	53498	
Frequency (MHz)				2511	2592.99	2674.98	
30	PI2 BPSK	1	1	20.24	19.91	19.89	21.5
Channel				50104	51858	53598	
Frequency (MHz)				2504.02	2592.99	2678.99	
20	PI2 BPSK	1	1	20.24	19.90	20.00	21.5

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	MPR (dB)
Channel				63000	65000	66000	
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
100	PI2 BPSK	1	271	20.12	20.19	20.30	
100	PI2 BPSK	135	0	20.27	20.32	20.41	
100	PI2 BPSK	135	69	20.33	20.38	20.42	21.5
100	PI2 BPSK	135	138	20.23	20.28	20.34	
100	PI2 BPSK	270	0	20.26	20.31	20.23	21.5
100	QPSK	1	1	20.54	20.55	20.53	
100	QPSK	1	137	20.50	20.29	20.44	21.5
100	QPSK	1	271	20.25	20.28	20.39	
100	QPSK	135	0	20.48	20.34	20.52	
100	QPSK	135	69	20.40	20.48	20.41	21.5
100	QPSK	135	138	20.48	20.33	20.47	
100	QPSK	270	0	20.44	20.32	20.49	21.5
100	16QAM	1	1	20.41	20.48	20.39	21.5
100	16QAM	1	1	20.48	20.30	20.34	21.5
100	256QAM	1	1	20.48	20.33	20.32	21.5
Channel				64868	65000	66234	
Frequency (MHz)				3745.02	3840	3935.01	
80	PI2 BPSK	1	1	20.26	20.07	20.14	21.5
Channel				64868	65000	66234	
Frequency (MHz)				3740.01	3840	3940.02	
80	PI2 BPSK	1	1	20.06	20.21	20.05	21.5
Channel				64900	65000	66300	
Frequency (MHz)				3733	3840	3945	
70	PI2 BPSK	1	1	20.09	20.00	20.26	21.5
Channel				64868	65000	66334	
Frequency (MHz)				3730.02	3840	3950.01	
60	PI2 BPSK	1	1	19.90	19.82	19.80	21.5
Channel				64834	65000	66368	
Frequency (MHz)				3723.01	3840	3953.02	
50	PI2 BPSK	1	1	20.53	20.60	20.59	21.5
Channel				64900	65000	66400	
Frequency (MHz)				3720	3840	3960	
40	PI2 BPSK	1	1	20.64	20.44	20.45	21.5
Channel				64768	65000	66434	
Frequency (MHz)				3715.02	3840	3963.01	
30	PI2 BPSK	1	1	20.70	20.62	20.61	21.5
Channel				64734	65000	66468	
Frequency (MHz)				3710.01	3840	3970.02	
20	PI2 BPSK	1	1	20.52	20.65	20.53	21.5

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	MPR (dB)
Channel				65000	66000	66000	
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
100	PI2 BPSK	1	271	21.81	21.73	21.63	
100	PI2 BPSK	135	0	21.48	21.87	21.77	
100	PI2 BPSK	135	69	21.50	22.03	21.65	23.0
100	PI2 BPSK	135	138	21.64	21.83	21.78	
100	PI2 BPSK	270	0	22.01	22.09	21.72	23.0
100	QPSK	1	1	21.89	22.26	22.04	
100	QPSK	1	137	21.97	22.20	22.18	23.0
100	QPSK	1	271	21.70	22.00	21.81	
100	QPSK	135	0	20.96	21.32	21.01	
100	QPSK	135	69	21.88	21.97	21.84	23.0
100	QPSK	135	138	21.44	21.29	21.25	
100	QPSK	270	0	21.57	21.88	21.64	23.0
100	16QAM	1	1	21.66	21.82	21.69	23.0
100	16QAM	1	1	22.07	22.15	21.82	23.0
100	256QAM	1	1	21.58	22.06	21.62	22.5
Channel				64868	65000	66234	
Frequency (MHz)				3745.02	3840	3935.01	
80	PI2 BPSK	1	1	21.66	21.96	21.68	23.0
Channel				64868	65000	66234	
Frequency (MHz)				3740.01	3840	3940.02	
80	PI2 BPSK	1	1	21.41	21.84	21.93	23.0
Channel				64900	65000	66300	
Frequency (MHz)				3733	3840	3945	
70	PI2 BPSK	1	1	21.54	21.84	22.10	23.0
Channel				64868	65000	66334	
Frequency (MHz)				3730.02	3840	3950.01	
60	PI2 BPSK	1	1	21.71	21.83	21.72	23.0
Channel				64834	65000	66368	
Frequency (MHz)				3723.01	3840	3953.02	
50	PI2 BPSK	1	1	21.78	21.90	22.04	23.0
Channel				64900	65000	66400	
Frequency (MHz)				3720	3840	3960	
40	PI2 BPSK	1	1	21.80	21.76	21.83	23.0
Channel				64768	65000	66434	
Frequency (MHz)				3715.02	3840	3963.01	
30	PI2 BPSK	1	1	21.92	21.92	21.83	23.0
Channel				64734	65000	66468	
Frequency (MHz)				3710.01	3840	3970.02	
20	PI2 BPSK	1	1	21.75	21.79	21.78	23.0



### 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								
Frequency (MHz)				2546.01	2592.99	2640		
100	PI2 BPSK	1	1	10.95	11.23	11.30		
100	PI2 BPSK	1	137	13.37	13.28	13.50	13.1	0.0
100	PI2 BPSK	1	271	13.21	13.36	13.22		
100	PI2 BPSK	135	0	11.18	10.89	10.76		
100	PI2 BPSK	135	69	11.84	11.29	11.27	13.1	0.0
100	PI2 BPSK	135	138	11.13	11.00	10.79		
100	PI2 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	13.04	13.30	13.15	13.1	0.0
100	QPSK	1	271	13.41	13.60	13.39		
100	QPSK	135	0	10.79	10.37	10.42		
100	QPSK	135	69	11.62	11.71	11.50	13.1	0.0
100	QPSK	135	138	10.51	10.65	10.49		
100	QPSK	270	0	11.63	11.71	11.37	13.1	0.0
100	16QAM	1	1	11.94	12.03	11.86	13.1	0.0
100	16QAM	1	1	11.75	12.00	11.55	13.1	0.0
100	256QAM	1	1	10.32	10.50	10.09	11.6	1.5
Channel								
Frequency (MHz)				5082.00	5189.98	5289.96	Tune-up limit (dBm)	MPR (dB)
90	PI2 BPSK	1	1	11.91	11.30	11.57	13.1	0.0
Channel								
Frequency (MHz)				5326.02	5392.99	5449.99	Tune-up limit (dBm)	MPR (dB)
80	PI2 BPSK	1	1	11.88	11.47	11.51	13.1	0.0
Channel								
Frequency (MHz)				5052.00	5189.98	5319.96	Tune-up limit (dBm)	MPR (dB)
60	PI2 BPSK	1	1	11.83	11.41	11.21	13.1	0.0
Channel								
Frequency (MHz)				5324.04	5359.98	5329.98	Tune-up limit (dBm)	MPR (dB)
60	PI2 BPSK	1	1	2521.02	2592.99	2664.99	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				5032.02	5189.98	5340.00	Tune-up limit (dBm)	MPR (dB)
40	PI2 BPSK	1	1	2516.01	2592.99	2670	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				5022.00	5189.98	5349.96	Tune-up limit (dBm)	MPR (dB)
30	PI2 BPSK	1	1	2511	2592.99	2674.98	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				5012.04	5189.98	5359.98	Tune-up limit (dBm)	MPR (dB)
20	PI2 BPSK	1	1	11.70	11.45	11.48	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								
Frequency (MHz)				2546.01	2592.99	2640		
100	PI2 BPSK	1	1	13.17	13.11	13.06		
100	PI2 BPSK	1	137	13.23	13.18	13.22	14.1	0.0
100	PI2 BPSK	1	271	13.01	13.09	13.17		
100	PI2 BPSK	135	0	13.21	13.14	13.22		
100	PI2 BPSK	135	69	13.17	13.17	13.19	14.1	0.0
100	PI2 BPSK	135	138	13.18	13.21	13.12		
100	PI2 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	12.95	14.1	0.0
100	QPSK	1	271	13.07	13.01	12.98		
100	QPSK	135	0	13.07	13.24	13.23		
100	QPSK	135	69	13.21	13.23	13.22	14.1	0.0
100	QPSK	135	138	13.13	13.15	13.12		
100	QPSK	270	0	13.06	13.13	13.05	14.1	0.0
100	16QAM	1	1	13.17	13.10	13.09	14.1	0.0
100	16QAM	1	1	12.97	12.95	12.95	14.1	0.0
100	256QAM	1	1	12.95	12.88	12.83	12.6	1.5
Channel								
Frequency (MHz)				5082.00	5189.98	5289.96	Tune-up limit (dBm)	MPR (dB)
90	PI2 BPSK	1	1	13.11	13.19	13.12	14.1	0.0
Channel								
Frequency (MHz)				5326.02	5359.98	5329.98	Tune-up limit (dBm)	MPR (dB)
80	PI2 BPSK	1	1	13.13	13.15	13.12	14.1	0.0
Channel								
Frequency (MHz)				5052.00	5189.98	5319.96	Tune-up limit (dBm)	MPR (dB)
60	PI2 BPSK	1	1	13.17	13.19	13.12	14.1	0.0
Channel								
Frequency (MHz)				5324.04	5359.98	5329.98	Tune-up limit (dBm)	MPR (dB)
60	PI2 BPSK	1	1	2521.02	2592.99	2664.99	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				5032.02	5189.98	5340.00	Tune-up limit (dBm)	MPR (dB)
40	PI2 BPSK	1	1	2516.01	2592.99	2670	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				5022.00	5189.98	5349.96	Tune-up limit (dBm)	MPR (dB)
30	PI2 BPSK	1	1	2511	2592.99	2674.98	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				5012.04	5189.98	5359.98	Tune-up limit (dBm)	MPR (dB)
20	PI2 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								
Frequency (MHz)				2546.01	2592.99	2640		
100	PI2 BPSK	1	1	14.25	14.21	14.02		
100	PI2 BPSK	1	137	14.23	14.12	14.13	15.1	0.0
100	PI2 BPSK	1	271	14.14	14.07	14.02		
100	PI2 BPSK	135	0	14.29	14.25	14.22		
100	PI2 BPSK	135	69	14.28	14.22	14.25	15.1	0.0
100	PI2 BPSK	135	138	14.28	14.15	14.16		
100	PI2 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	15.1	0.0
100	QPSK	1	271	14.52	14.63	14.59		
100	QPSK	135	0	14.36	14.21	14.20		
100	QPSK	135	69	14.35	14.37	14.23	15.1	0.0
100	QPSK	135	138	14.24	14.20	14.22		
100	QPSK	270	0	14.21	14.27	14.12	15.1	0.0
100	16QAM	1	1	14.63	14.34	14.36	15.1	0.0
100	16QAM	1	1	14.60	14.43	14.34	15.1	0.0
100	256QAM	1	1	14.32	14.33	14.41	13.6	1.5
Channel								
Frequency (MHz)				5082.00	5189.98	5289.96	Tune-up limit (dBm)	MPR (dB)
90	PI2 BPSK	1	1	14.36	14.22	14.20	15.1	0.0
Channel								
Frequency (MHz)				5326.02	5359.98	5329.98	Tune-up limit (dBm)	MPR (dB)
80	PI2 BPSK	1	1	14.34	14.21	14.27	15.1	0.0
Channel								
Frequency (MHz)				5052.00	5189.98	5319.96	Tune-up limit (dBm)	MPR (dB)
60	PI2 BPSK	1	1	14.30	14.28	14.16	15.1	0.0
Channel								
Frequency (MHz)				5324.04	5359.98	5329.98	Tune-up limit (dBm)	MPR (dB)
60	PI2 BPSK	1	1	2521.02	2592.99	2664.99	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				5032.02	5189.98	5340.00	Tune-up limit (dBm)	MPR (dB)
40	PI2 BPSK	1	1	2516.01	2592.99	2670	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				5022.00	5189.98	5349.96	Tune-up limit (dBm)	MPR (dB)
30	PI2 BPSK	1	1	2511	2592.99	2674.98	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				5012.04	5189.98	5359.98	Tune-up limit (dBm)	MPR (dB)
20	PI2 BPSK	1	1	14.33	14.16	14.12	15.1	0.0



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				65000	65000	65000			
Frequency (MHz)				3750	3940	3930			
100	PI2 BPSK	1	1	16.49	16.87	16.86			
100	PI2 BPSK	1	137	16.89	17.03	16.89	17.5	0.0	
100	PI2 BPSK	1	271	16.62	16.73	16.71			
100	PI2 BPSK	135	0	16.60	16.84	16.88			
100	PI2 BPSK	135	69	16.38	17.00	16.57	17.5	0.0	
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	16.98			
100	QPSK	1	137	16.93	17.18	17.23	17.5	0.0	
100	QPSK	1	271	16.93	16.99	16.77			
100	QPSK	135	0	15.98	16.37	16.12			
100	QPSK	135	69	16.57	17.03	16.85	17.5	0.0	
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	16.99	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				64968	65000	65234	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	PI2 BPSK	1	1	16.70	16.86	16.59	17.5	0.0	
Channel				64834	65000	65265	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	65000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3940	3945			
70	PI2 BPSK	1	1	16.84	16.88	17.07	17.5	0.0	
Channel				64968	65000	65334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	PI2 BPSK	1	1	16.70	16.76	16.86	17.5	0.0	
Channel				64834	65000	65368	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3950.02			
50	PI2 BPSK	1	1	16.85	16.87	17.09	17.5	0.0	
Channel				649000	65000	654000	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				64768	65000	65434	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3960.01			
30	PI2 BPSK	1	1	16.85	16.71	16.81	17.5	0.0	
Channel				64734	65000	65468	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				65000	65000	65000			
Frequency (MHz)				3750	3940	3930			
100	PI2 BPSK	1	1	16.62	16.48	16.56			
100	PI2 BPSK	1	137	16.35	16.59	16.52	19.5	0.0	
100	PI2 BPSK	1	271	16.48	16.62	16.31			
100	PI2 BPSK	135	0	16.44	16.60	16.54			
100	PI2 BPSK	135	69	16.49	16.64	16.54	19.5	0.0	
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	16.84			
100	QPSK	1	137	16.59	16.61	16.62	19.5	0.0	
100	QPSK	1	271	16.59	16.35	16.65			
100	QPSK	135	0	16.39	16.46	16.48			
100	QPSK	135	69	16.49	16.52	16.51	19.5	0.0	
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	16.36	16.49	19.5	0.0	
100	64QAM	1	1	16.46	16.43	16.26	19.5	0.0	
100	256QAM	1	1	16.08	16.32	16.07	19.5	0.0	
Channel				64968	65000	65234	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	PI2 BPSK	1	1	16.42	16.28	16.20	19.5	0.0	
Channel				64834	65000	65265	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	65000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3940	3945			
70	PI2 BPSK	1	1	16.10	16.39	16.21	19.5	0.0	
Channel				64968	65000	65334	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				64834	65000	65368	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3950.02			
50	PI2 BPSK	1	1	16.34	16.44	16.22	19.5	0.0	
Channel				649000	65000	654000	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				64768	65000	65434	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3960.01			
30	PI2 BPSK	1	1	16.43	16.47	16.30	19.5	0.0	
Channel				64734	65000	65468	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	





Ant 5 BT 2.0 Full Power/Receiver On/Headset/Body Worn				
Mode	Channel	Frequency (MHz)	Average power (dBm)	
			1Mbps	2Mbps
BT / EDR	CH02	2402	15.04	13.91
	CH03	2404	15.07	13.94
	CH18	2480	14.28	12.72
Take-up Limit			15.0	14.5

Ant 5 BT 2.0 Receiver On/Simultaneous transmission					
Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BT / EDR	CH02	2402	15.11		
	CH18	2480	13.18	Not Required	
	CH03	2404	9.47		
Take-up Limit			11.0	13.2	11.6

Ant 5 BT LE				
Mode	Channel	Frequency (MHz)	Average power (dBm)	
			1Mbps	2Mbps
LE	CH02	2402	7.24	
	CH18	2480	6.46	
	CH03	2404	9.00	
Take-up Limit			6.0	

Ant 5 BT LE 5.0				
Mode	Channel	Frequency (MHz)	Average power (dBm)	
			1Mbps	2Mbps
LE	CH02	2402	7.40	
	CH18	2480	6.20	
	CH03	2404	9.10	
Take-up Limit			6.0	

Ant 7 BT 2.0 Full Power/Receiver On/Headset/Body Worn				
Mode	Channel	Frequency (MHz)	Average power (dBm)	
			2Mbps	3Mbps
BT / EDR	CH02	2402	15.48	13.81
	CH03	2404	15.52	13.84
	CH18	2480	15.44	14.03
Take-up Limit			15.0	14.5

Ant 7 BT 2.0 Receiver On Simultaneous transmission					
Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BT / EDR	CH02	2402	11.25		
	CH18	2480	11.28	Not Required	
	CH03	2404	11.00		
Take-up Limit			12.0	12.0	12.0

Ant 7 BT LE				
Mode	Channel	Frequency (MHz)	Average power (dBm)	
			1Mbps	2Mbps
LE	CH02	2402	7.24	
	CH18	2480	6.46	
	CH03	2404	8.90	
Take-up Limit			6.0	

Ant 7 BT LE 5.0				
Mode	Channel	Frequency (MHz)	Average power (dBm)	
			1Mbps	2Mbps
LE	CH02	2402	7.60	
	CH18	2480	6.60	
	CH03	2404	9.00	
Take-up Limit			6.0	