



n5 Ant1 DSI 1								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. F.Freq. 168800	Power Middle Ch. F.Freq. 167500	Power High Ch. F.Freq. 167800	Tune-up limit (dBm)	MPR (dB)
Channel				834	836.5	839		
Frequency (MHz)								
20	1/2 BPSK	1	1	21.17	21.11	21.17		
20	1/2 BPSK	1	53	21.22	21.22	21.08	21.7	0.0
20	1/2 BPSK	1	104	21.17	21.17	21.23		
20	1/2 BPSK	50	0	21.16	21.17	21.08	21.7	0.0
20	1/2 BPSK	50	28	21.18	21.14	21.16	21.7	0.0
20	1/2 BPSK	50	56	21.08	21.17	21.08	21.7	0.0
20	1/2 BPSK	100	0	21.14	21.15	21.10		
20	QPSK	1	1	21.21	21.26	21.15		
20	QPSK	1	53	21.04	21.16	21.10	21.7	0.0
20	QPSK	1	104	21.05	21.19	21.16		
20	QPSK	50	0	21.17	21.22	21.15	21.7	0.0
20	QPSK	50	28	21.15	21.23	21.09	21.7	0.0
20	QPSK	50	56	21.16	21.14	21.17	21.7	0.0
20	QPSK	100	0	21.10	21.21	21.13		
20	16QAM	1	1	21.09	21.15	21.16	21.7	0.0
20	16QAM	1	1	21.22	21.06	21.16	21.7	0.0
20	256QAM	1	1	20.94	20.43	20.41	21.2	0.5
Channel				168300	167300	168300	Tune-up	MPR
Frequency (MHz)				831.5	833.5	841.5	limit	(dB)
15	QPSK	1	1	21.17	21.16	21.10	21.7	0.0
Channel				168800	167900	168800	Tune-up	MPR
Frequency (MHz)				829	836.5	844	limit	(dB)
10	QPSK	1	1	21.10	21.25	21.10	21.7	0.0
Channel				168300	167900	168300	Tune-up	MPR
Frequency (MHz)				826.5	836.5	846.5	limit	(dB)
5	QPSK	1	1	21.12	21.15	21.05	21.7	0.0

n7 Ant1 Other PA DSI 1								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. F.Freq. 594000	Power Middle Ch. F.Freq. 597000	Power High Ch. F.Freq. 510000	Tune-up limit (dBm)	MPR (dB)
Channel				2520	2535	2550		
Frequency (MHz)								
40	1/2 BPSK	1	1	21.28	21.09	21.24		
40	1/2 BPSK	1	108	21.28	21.23	21.20	21.7	0.0
40	1/2 BPSK	1	214	21.21	21.15	21.25		
40	1/2 BPSK	108	0	21.21	21.24	21.15	21.7	0.0
40	1/2 BPSK	108	54	21.23	21.20	21.25	21.7	0.0
40	1/2 BPSK	108	108	21.17	21.27	21.18	21.7	0.0
40	1/2 BPSK	216	0	21.21	21.22	21.15		
40	QPSK	1	1	21.20	21.33	21.23		
40	QPSK	1	108	21.13	21.18	21.09	21.7	0.0
40	QPSK	1	214	21.10	21.22	21.21		
40	QPSK	108	0	21.23	21.22	21.14	21.7	0.0
40	QPSK	108	54	21.25	21.30	21.25	21.7	0.0
40	QPSK	108	108	21.24	21.21	21.20	21.7	0.0
40	QPSK	216	0	21.18	21.24	21.11		
40	16QAM	1	1	21.09	21.20	21.24	21.7	0.0
40	16QAM	1	1	21.16	21.18	21.20	21.7	0.0
40	256QAM	1	1	20.69	20.76	20.67	21.2	0.5
Channel				593500	597000	510500	Tune-up	MPR
Frequency (MHz)				2317.5	2535	2522.5	limit	(dB)
35	QPSK	1	1	21.13	21.22	21.21	21.7	0.0
Channel				593000	597000	511000	Tune-up	MPR
Frequency (MHz)				2315	2535	2525	limit	(dB)
30	QPSK	1	1	21.11	21.27	21.17	21.7	0.0
Channel				592500	597000	511500	Tune-up	MPR
Frequency (MHz)				2312.5	2535	2527.5	limit	(dB)
25	QPSK	1	1	21.17	21.27	21.14	21.7	0.0
Channel				592000	597000	512000	Tune-up	MPR
Frequency (MHz)				2310	2535	2520	limit	(dB)
20	QPSK	1	1	21.12	21.31	21.21	21.7	0.0
Channel				591500	597000	512500	Tune-up	MPR
Frequency (MHz)				2307.5	2535	2525.5	limit	(dB)
15	QPSK	1	1	21.15	21.32	21.20	21.7	0.0
Channel				591000	597000	513000	Tune-up	MPR
Frequency (MHz)				2305	2535	2525	limit	(dB)
10	QPSK	1	1	21.17	21.30	21.17	21.7	0.0
Channel				590500	597000	513500	Tune-up	MPR
Frequency (MHz)				2302.5	2535	2525.5	limit	(dB)
5	QPSK	1	1	21.15	21.28	21.14	21.7	0.0

n12 Ant1 DSI 1								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. F.Freq. 141300	Power Middle Ch. F.Freq. 141500	Power High Ch. F.Freq. 141700	Tune-up limit (dBm)	MPR (dB)
Channel				708.5	707.5	708.5		
Frequency (MHz)								
15	1/2 BPSK	1	1	22.07	21.88	22.02		
15	1/2 BPSK	1	40	22.07	22.03	21.98	22.7	0.0
15	1/2 BPSK	1	77	21.98	21.98	22.01		
15	1/2 BPSK	36	0	22.00	22.05	22.01	22.7	0.0
15	1/2 BPSK	36	22	21.97	22.03	22.06	22.7	0.0
15	1/2 BPSK	36	43	21.97	22.05	21.93	22.7	0.0
15	1/2 BPSK	75	0	21.97	22.00	21.94		
15	QPSK	1	1	22.01	22.08	22.02		
15	QPSK	1	40	21.94	21.97	21.93	22.7	0.0
15	QPSK	1	77	21.99	22.01	22.06		
15	QPSK	36	0	22.01	22.05	21.92	22.7	0.0
15	QPSK	36	22	22.03	22.07	22.02	22.7	0.0
15	QPSK	36	43	21.99	22.03	21.99	22.7	0.0
15	QPSK	75	0	22.00	22.03	21.93		
15	16QAM	1	1	21.93	21.99	22.00	22.7	0.0
15	16QAM	1	1	22.06	21.98	21.98	22.7	0.0
15	256QAM	1	1	20.36	20.37	20.35	21.2	1.5
Channel				140800	141500	142200	Tune-up	MPR
Frequency (MHz)				704	707.5	711	limit	(dB)
10	QPSK	1	1	22.00	21.98	21.99	22.7	0.0
Channel				140300	141500	142700	Tune-up	MPR
Frequency (MHz)				701.5	707.5	713.5	limit	(dB)
5	QPSK	1	1	21.97	22.01	21.97	22.7	0.0



n26 Ant1 DSI 1								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. F.Freq. 164800	Power Middle Ch. F.Freq. 166300	Power High Ch. F.Freq. 167800	Tune-up limit (dBm)	MPR (dB)
				824	831.5	839		
20	1/2 BPSK	1	1	21.21	21.20	21.18	21.7	0.0
20	1/2 BPSK	1	53	21.26	21.30	21.11		
20	1/2 BPSK	1	104	21.28	21.26	21.31		
20	1/2 BPSK	50	0	21.24	21.23	21.15	21.7	0.0
20	1/2 BPSK	50	26	21.26	21.19	21.28	21.7	0.0
20	1/2 BPSK	50	56	21.10	21.27	21.13	21.7	0.0
20	1/2 BPSK	100	0	21.16	21.20	21.14		
20	QPSK	1	1	21.30	21.37	21.17		
20	QPSK	1	53	21.08	21.27	21.19	21.7	0.0
20	QPSK	1	104	21.10	21.27	21.23		
20	QPSK	50	0	21.23	21.30	21.19	21.7	0.0
20	QPSK	50	26	21.17	21.33	21.13	21.7	0.0
20	QPSK	50	56	21.23	21.17	21.18	21.7	0.0
20	QPSK	100	0	21.20	21.27	21.22		
20	16QAM	1	1	21.15	21.18	21.19	21.7	0.0
20	16QAM	1	1	21.26	21.14	21.24	21.7	0.0
20	16QAM	1	1	20.38	20.54	20.44	21.7	0.0
	Channel			164300	166300	168300	Tune-up	MPR
	Frequency (MHz)			821.5	831.5	841.5	limit	(dB)
15	QPSK	1	1	21.27	21.34	21.10	21.7	0.0
	Channel			163800	166300	168800	Tune-up	MPR
	Frequency (MHz)			810	831.5	844	limit	(dB)
10	QPSK	1	1	21.10	21.23	21.07	21.7	0.0
	Channel			163300	166300	168300	Tune-up	MPR
	Frequency (MHz)			816.5	831.5	848.5	limit	(dB)
5	QPSK	1	1	21.27	21.32	21.15	21.7	0.0

n66 Ant1 DSI 1								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. F.Freq. 349000	Power Middle Ch. F.Freq. 349000	Power High Ch. F.Freq. 352000	Tune-up limit (dBm)	MPR (dB)
				1730	1745	1760		
40	1/2 BPSK	1	1	17.81	17.55	17.57		
40	1/2 BPSK	1	108	17.59	17.59	17.52	19.0	0.0
40	1/2 BPSK	1	214	17.62	17.56	17.62		
40	1/2 BPSK	108	0	17.83	17.83	17.60	19.0	0.0
40	1/2 BPSK	108	54	17.84	17.81	17.69	19.0	0.0
40	1/2 BPSK	108	108	17.59	17.81	17.55	19.0	0.0
40	1/2 BPSK	216	0	17.84	17.54	17.55		
40	QPSK	1	1	17.59	17.72	17.63		
40	QPSK	1	108	17.46	17.57	17.58	19.0	0.0
40	QPSK	1	214	17.54	17.65	17.66		
40	QPSK	108	0	17.84	17.69	17.58	19.0	0.0
40	QPSK	108	54	17.81	17.71	17.67	19.0	0.0
40	QPSK	108	108	17.66	17.60	17.67	19.0	0.0
40	QPSK	216	0	17.53	17.63	17.53		
40	16QAM	1	1	17.58	17.56	17.59	19.0	0.0
40	16QAM	1	1	17.85	17.55	17.81	19.0	0.0
40	16QAM	1	1	17.36	17.42	17.35	19.0	0.0
	Channel			345500	349000	352500	Tune-up	MPR
	Frequency (MHz)			1727.5	1745	1762.5	limit	(dB)
35	QPSK	1	1	17.50	17.63	17.53	19.0	0.0
	Channel			345000	349000	353000	Tune-up	MPR
	Frequency (MHz)			1725	1745	1765	limit	(dB)
30	QPSK	1	1	17.50	17.65	17.62	19.0	0.0
	Channel			344500	349000	353500	Tune-up	MPR
	Frequency (MHz)			1722.5	1745	1767.5	limit	(dB)
25	QPSK	1	1	17.55	17.61	17.50	19.0	0.0
	Channel			344000	349000	354000	Tune-up	MPR
	Frequency (MHz)			1720	1745	1770	limit	(dB)
20	QPSK	1	1	17.55	17.64	17.50	19.0	0.0
	Channel			343500	349000	354500	Tune-up	MPR
	Frequency (MHz)			1717.5	1745	1772.5	limit	(dB)
15	QPSK	1	1	17.61	17.67	17.53	19.0	0.0
	Channel			343000	349000	355000	Tune-up	MPR
	Frequency (MHz)			1715	1745	1775	limit	(dB)
10	QPSK	1	1	17.55	17.71	17.63	19.0	0.0
	Channel			342500	349000	355500	Tune-up	MPR
	Frequency (MHz)			1712.5	1745	1777.5	limit	(dB)
5	QPSK	1	1	17.62	17.62	17.53	19.0	0.0



Part270 n77 Ant1 Other PA DSI 1 PC2

Table with columns: 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). Rows include various modulation schemes like 1/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM.

Part27Q n77 Ant1 Other PA DSI 1

Table with columns: 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). Rows include various modulation schemes like 1/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM.

Part27Q n77 Ant1 Other PA DSI 1 PC2

Table with columns: 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). Rows include various modulation schemes like 1/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM.

Part270 n78 Ant1 Other PA DSI 1

Table with columns: 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). Rows include various modulation schemes like 1/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM.



Part270 n78 Ant1 Other PA DSI 1									
PC2									
BW [MHz]	Modulat ion	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)									
100	1/2 BPSK	1	1	22.40	22.51	22.51		23.5	0.0
100	1/2 BPSK	1	137	22.56	22.55	22.55			
100	1/2 BPSK	1	271	22.53					
100	1/2 BPSK	135	0	22.96	22.50	22.50		23.5	0.0
100	1/2 BPSK	135	69	22.53					
100	1/2 BPSK	135	138	22.53				23.5	0.0
100	1/2 BPSK	270	0	22.51					
100	QPSK	1	1	22.65					
100	QPSK	1	137	22.51				23.5	0.0
100	QPSK	1	271	22.51					
100	QPSK	135	0	22.55	22.55	22.55		23.5	0.0
100	QPSK	135	69	22.62				23.5	0.0
100	QPSK	135	138	22.48				23.5	0.0
100	QPSK	270	0	22.58					
100	16QAM	1	1	22.54				23.5	0.0
100	64QAM	1	1	22.48				23.5	0.0
100	256QAM	1	1	22.16				23.2	0.3
Channel									
648668				650000	650334				
Frequency (MHz)									
90	QPSK	1	1	22.01	22.53	22.53		23.5	0.0
Channel									
648334				650000	650668				
Frequency (MHz)									
80	QPSK	1	1	22.59	22.62	22.65		23.5	0.0
Channel									
648900				650000	651000				
Frequency (MHz)									
70	QPSK	1	1	22.60	22.53	22.53		23.5	0.0
Channel									
648668				650000	651334				
Frequency (MHz)									
60	QPSK	1	1	22.03	22.67	22.53		23.5	0.0
Channel									
648334				650000	651668				
Frequency (MHz)									
50	QPSK	1	1	22.63	22.62	22.64		23.5	0.0
Channel									
648900				650000	652000				
Frequency (MHz)									
40	QPSK	1	1	22.80	22.80	22.84		23.5	0.0
Channel									
647668				650000	652334				
Frequency (MHz)									
30	QPSK	1	1	22.57	22.80	22.80		23.5	0.0
Channel									
647334				650000	652500				
Frequency (MHz)									
25	QPSK	1	1	22.58	22.85	22.57		23.5	0.0
Channel									
647334				650000	652668				
Frequency (MHz)									
20	QPSK	1	1	22.58	22.59	22.64		23.5	0.0
Channel									
647168				650000	652834				
Frequency (MHz)									
15	QPSK	1	1	22.64	22.62	22.57		23.5	0.0
Channel									
647000				650000	653000				
Frequency (MHz)									
10	QPSK	1	1	22.59	22.57	22.64		23.5	0.0

Part27Q n78 Ant1 Other PA DSI 1									
BW [MHz]	Modulat ion	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)									
100	1/2 BPSK	1	1	19.66	19.70	19.70	20.5	0.0	
100	1/2 BPSK	1	137	19.69					
100	1/2 BPSK	1	271	19.69					
100	1/2 BPSK	135	0	19.74	19.71	19.71	20.5	0.0	
100	1/2 BPSK	135	69	19.71					
100	1/2 BPSK	135	138	19.69				20.5	0.0
100	1/2 BPSK	270	0	19.72					
100	QPSK	1	1	19.82					
100	QPSK	1	137	19.68				20.5	0.0
100	QPSK	1	271	19.65					
100	QPSK	135	0	19.75	19.75	19.75	20.5	0.0	
100	QPSK	135	69	19.80				20.5	0.0
100	QPSK	135	138	19.73				20.5	0.0
100	QPSK	270	0	19.75					
100	16QAM	1	1	19.68				20.5	0.0
100	64QAM	1	1	19.70				20.5	0.0
100	256QAM	1	1	19.73				20.5	0.0
Channel									
633000				633334	633668				
Frequency (MHz)									
90	QPSK	1	1	19.79	19.74	19.75		20.5	0.0
Channel									
629668				633334	634000				
Frequency (MHz)									
80	QPSK	1	1	19.79	19.71	19.74		20.5	0.0
Channel									
632334				633334	634334				
Frequency (MHz)									
70	QPSK	1	1	19.79	19.75	19.75		20.5	0.0
Channel									
632000				633334	634668				
Frequency (MHz)									
60	QPSK	1	1	19.80	19.71	19.74		20.5	0.0
Channel									
631668				633334	635000				
Frequency (MHz)									
50	QPSK	1	1	19.72	19.75	19.74		20.5	0.0
Channel									
631334				633334	635334				
Frequency (MHz)									
40	QPSK	1	1	19.73	19.79	19.72		20.5	0.0
Channel									
631000				633334	635668				
Frequency (MHz)									
30	QPSK	1	1	19.73	19.74	19.79		20.5	0.0
Channel									
630834				633334	635834				
Frequency (MHz)									
25	QPSK	1	1	19.79	19.81	19.73		20.5	0.0
Channel									
630668				633334	636000				
Frequency (MHz)									
20	QPSK	1	1	19.76	19.81	19.81		20.5	0.0
Channel									
630500				633334	636168				
Frequency (MHz)									
15	QPSK	1	1	19.76	19.74	19.77		20.5	0.0
Channel									
630334				633334	636334				
Frequency (MHz)									
10	QPSK	1	1	19.73	19.78	19.74		20.5	0.0

Part27Q n78 Ant1 Other PA DSI 1 PC2									
BW [MHz]	Modulat ion	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)									
100	1/2 BPSK	1	1	22.68	22.80	22.80		23.5	0.0
100	1/2 BPSK	1	137	22.81					
100	1/2 BPSK	1	271	22.81					
100	1/2 BPSK	135	0	22.89	22.89	22.89		23.5	0.0
100	1/2 BPSK	135	69	22.74				23.5	0.0
100	1/2 BPSK	135	138	22.81				23.5	0.0
100	1/2 BPSK	270	0	22.76					
100	QPSK	1	1	22.96					
100	QPSK	1	137	22.79				23.5	0.0
100	QPSK	1	271	22.75					
100	QPSK	135	0	22.81	22.81	22.81		23.5	0.0
100	QPSK	135	69	22.82				23.5	0.0
100	QPSK	135	138	22.80				23.5	0.0
100	QPSK	270	0	22.81					
100	16QAM	1	1	22.82				23.6	0.0
100	64QAM	1	1	22.76				23.5	0.0
100	256QAM	1	1	22.66				23.2	0.3
Channel									
633000				633334	633668				
Frequency (MHz)									
90	QPSK	1	1	22.01	22.02	22.02		23.5	0.0
Channel									
629668				633334	634000				
Frequency (MHz)									
80	QPSK	1	1	22.05	22.05	22.09		23.5	0.0
Channel									
632334				633334	634334				
Frequency (MHz)									
70	QPSK	1	1	22.07	22.05	22.07		23.5	0.0
Channel									
632000				633334	634668				
Frequency (MHz)									
60	QPSK	1	1	22.03	22.03	22.06		23.5	0.0
Channel									
631668				633334	635000				
Frequency (MHz)									
50	QPSK	1	1	22.03	22.08	22.01		23.5	0.0
Channel									
631334				633334	635334				
Frequency (MHz)									
40	QPSK	1	1	22.07	22.06	22.01		23.5	0.0
Channel									
631000				633334	635668				
Frequency (MHz)									
30	QPSK	1	1	22.08	22.07	22.02		23.5	0.0
Channel									
630834				633334	635834				
Frequency (MHz)									
25	QPSK	1	1	22.04	22.05	22.04		23.5	0.0
Channel									
630668				633334	636000				
Frequency (MHz)									
20	QPSK	1	1	22.09	22.06	22.01		23.5	0.0
Channel									
630500				633334	636168				
Frequency (MHz)									
15	QPSK	1	1	22.06	22.05	22.03		23.5	0.0
Channel									
630334				633334	636334				
Frequency (MHz)									
10	QPSK	1	1	22.04	22.08	22.00		23.5	0.0



n2 Ant5 DSI 1									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq. 374000	Power Middle Ch. / Freq. 376000	Power High Ch. / Freq. 1890	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	1/2 BPSK	1	1	16.92	16.82	16.88		17.8	0.0
40	1/2 BPSK	1	108	16.97	16.97	16.88			
40	1/2 BPSK	1	214	16.92	16.84	16.96			
40	1/2 BPSK	108	0	16.94	16.92	16.83		17.8	0.0
40	1/2 BPSK	108	54	16.95	16.83	16.98		17.8	0.0
40	1/2 BPSK	108	108	16.91	16.92	16.83		17.8	0.0
40	1/2 BPSK	216	0	16.88	16.88	16.84		17.8	0.0
40	QPSK	1	1	16.93	17.01	16.97			
40	QPSK	1	108	16.88	16.92	16.84		17.8	0.0
40	QPSK	1	214	16.81	16.94	16.94			
40	QPSK	108	0	16.85	16.88	16.86		17.8	0.0
40	QPSK	108	54	16.91	16.93	16.97		17.8	0.0
40	QPSK	108	108	16.95	16.94	16.92		17.8	0.0
40	QPSK	216	0	16.89	16.94	16.85		17.8	0.0
40	16QAM	1	1	16.85	16.92	16.87		17.8	0.0
40	16QAM	1	1	16.95	16.86	16.91		17.8	0.0
40	256QAM	1	1	16.96	16.97	16.83		17.8	0.0
Channel									
Frequency (MHz)									
35	QPSK	1	1	16.93	16.95	16.96		17.8	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.95	16.93	16.93		17.8	0.0
Channel									
Frequency (MHz)									
25	QPSK	1	1	16.93	16.93	16.97		17.8	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	16.99	16.91	16.93		17.8	0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	16.91	16.96	16.92		17.8	0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	16.92	16.97	16.97		17.8	0.0
Channel									
Frequency (MHz)									
5	QPSK	1	1	16.92	16.91	16.92		17.8	0.0

n7 Ant5 DSI 1									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq. 594000	Power Middle Ch. / Freq. 597000	Power High Ch. / Freq. 510000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	1/2 BPSK	1	1	16.39	16.17	16.24		16.7	0.0
40	1/2 BPSK	1	108	16.35	16.32	16.27			
40	1/2 BPSK	1	214	16.31	16.27	16.28			
40	1/2 BPSK	108	0	16.34	16.31	16.27		16.7	0.0
40	1/2 BPSK	108	54	16.29	16.28	16.34		16.7	0.0
40	1/2 BPSK	108	108	16.31	16.31	16.25		16.7	0.0
40	1/2 BPSK	216	0	16.27	16.26	16.23		16.7	0.0
40	QPSK	1	1	16.27	16.43	16.29			
40	QPSK	1	108	16.18	16.28	16.26		16.7	0.0
40	QPSK	1	214	16.29	16.31	16.32			
40	QPSK	108	0	16.26	16.33	16.23		16.7	0.0
40	QPSK	108	54	16.27	16.40	16.30		16.7	0.0
40	QPSK	108	108	16.30	16.33	16.32		16.7	0.0
40	QPSK	216	0	16.32	16.35	16.22		16.7	0.0
40	16QAM	1	1	16.21	16.32	16.34		16.7	0.0
40	16QAM	1	1	16.37	16.31	16.32		16.7	0.0
40	256QAM	1	1	16.27	16.29	16.30		16.7	0.0
Channel									
Frequency (MHz)									
35	QPSK	1	1	16.37	16.38	16.39		16.7	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.39	16.37	16.32		16.7	0.0
Channel									
Frequency (MHz)									
25	QPSK	1	1	16.37	16.36	16.34		16.7	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	16.33	16.40	16.35		16.7	0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	16.37	16.33	16.35		16.7	0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	16.38	16.37	16.42		16.7	0.0
Channel									
Frequency (MHz)									
5	QPSK	1	1	16.41	16.37	16.35		16.7	0.0

n66 Ant5 DSI 1									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq. 346000	Power Middle Ch. / Freq. 349000	Power High Ch. / Freq. 352000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	1/2 BPSK	1	1	16.27	16.12	16.17		18.7	0.0
40	1/2 BPSK	1	108	16.20	16.22	16.19			
40	1/2 BPSK	1	214	16.24	16.21	16.27			
40	1/2 BPSK	108	0	16.29	16.24	16.22		18.7	0.0
40	1/2 BPSK	108	54	16.18	16.18	16.26		18.7	0.0
40	1/2 BPSK	108	108	16.20	16.23	16.15		18.7	0.0
40	1/2 BPSK	216	0	16.17	16.21	16.21		18.7	0.0
40	QPSK	1	1	16.17	16.32	16.26			
40	QPSK	1	108	16.15	16.15	16.15		18.7	0.0
40	QPSK	1	214	16.20	16.15	16.26			
40	QPSK	108	0	16.24	16.24	16.16		18.7	0.0
40	QPSK	108	54	16.20	16.30	16.19		18.7	0.0
40	QPSK	108	108	16.22	16.17	16.22		18.7	0.0
40	QPSK	216	0	16.20	16.25	16.06		18.7	0.0
40	16QAM	1	1	16.14	16.20	16.26		18.7	0.0
40	16QAM	1	1	16.22	16.19	16.20		18.7	0.0
40	256QAM	1	1	16.16	16.24	16.21		18.7	0.0
Channel									
Frequency (MHz)									
35	QPSK	1	1	16.28	16.25	16.25		18.7	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.31	16.22	16.22		18.7	0.0
Channel									
Frequency (MHz)									
25	QPSK	1	1	16.29	16.25	16.23		18.7	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	16.24	16.23	16.25		18.7	0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	16.29	16.23	16.21		18.7	0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	16.24	16.22	16.24		18.7	0.0
Channel									
Frequency (MHz)									
5	QPSK	1	1	16.30	16.30	16.28		18.7	0.0



n38 Ant5 DSI 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dB)	MPR (dB)
				2590.02	2595	2599.98		
40	1/2 BPSK	1	1	17.25	17.09	17.19	17.7	0.0
40	1/2 BPSK	1	53	17.23	17.19	17.18		
40	1/2 BPSK	1	104	17.16	17.21	17.11		
40	1/2 BPSK	50	0	17.24	17.23	17.16	17.7	0.0
40	1/2 BPSK	50	28	17.25	17.21	17.27	17.7	0.0
40	1/2 BPSK	50	56	17.22	17.20	17.11	17.7	0.0
40	1/2 BPSK	100	0	17.26	17.14	17.12	17.7	0.0
40	QPSK	1	1	17.22	17.26	17.25		
40	QPSK	1	53	17.13	17.21	17.10	17.7	0.0
40	QPSK	1	104	17.14	17.21	17.24		
40	QPSK	50	0	17.23	17.12	17.19	17.7	0.0
40	QPSK	50	28	17.25	17.26	17.16	17.7	0.0
40	QPSK	50	56	17.20	17.23	17.22	17.7	0.0
40	QPSK	100	0	17.21	17.23	17.12	17.7	0.0
40	16QAM	1	1	17.13	17.25	17.17	17.7	0.0
40	8QAM	1	1	17.17	17.15	17.16	17.7	0.0
40	256QAM	1	1	17.10	17.19	17.19	17.7	0.0
				517002	519000	520998	Tune-up limit (dB)	MPR (dB)
				2553.01	2556	2554.99	17.7	0.0
30	QPSK	1	1	17.23	17.24	17.24	17.7	0.0
				516504	519000	521498	Tune-up limit (dB)	MPR (dB)
				2552.52	2556	2557.48	17.7	0.0
25	QPSK	1	1	17.27	17.23	17.15	17.7	0.0
				516000	519000	522000	Tune-up limit (dB)	MPR (dB)
				2530	2595	2610	17.7	0.0
20	QPSK	1	1	17.24	17.15	17.21	17.7	0.0
				515502	519000	522498	Tune-up limit (dB)	MPR (dB)
				2577.51	2595	2612.49	17.7	0.0
15	QPSK	1	1	17.15	17.23	17.17	17.7	0.0
				515004	519000	522996	Tune-up limit (dB)	MPR (dB)
				2573.02	2595	2616.98	17.7	0.0
10	QPSK	1	1	17.15	17.19	17.22	17.7	0.0

n41 Ant5 DSI 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dB)	MPR (dB)
				2546.01	2552.99	2540		
100	1/2 BPSK	1	1	15.65	15.49	15.58		
100	1/2 BPSK	1	197	15.65	15.62	15.57	16.2	0.0
100	1/2 BPSK	1	271	15.60	15.62	15.68		
100	1/2 BPSK	135	0	15.67	15.60	15.55	16.2	0.0
100	1/2 BPSK	135	69	15.61	15.62	15.62	16.2	0.0
100	1/2 BPSK	135	138	15.60	15.60	15.59	16.2	0.0
100	1/2 BPSK	270	0	15.65	15.60	15.63		
100	QPSK	1	1	15.62	15.71	15.64		
100	QPSK	1	137	15.57	15.60	15.63	16.2	0.0
100	QPSK	1	271	15.57	15.62	15.68		
100	QPSK	135	0	15.61	15.60	15.51	16.2	0.0
100	QPSK	135	69	15.63	15.68	15.67	16.2	0.0
100	QPSK	135	138	15.67	15.60	15.59	16.2	0.0
100	QPSK	270	0	15.62	15.65	15.44	16.2	0.0
100	16QAM	1	1	15.55	15.63	15.62	16.2	0.0
100	8QAM	1	1	15.66	15.59	15.61	16.2	0.0
100	256QAM	1	1	15.56	15.66	15.62	16.2	0.0
				502000	518998	528996	Tune-up limit (dB)	MPR (dB)
				2541	2552.99	2544.98	16.2	0.0
50	QPSK	1	1	15.62	15.59	15.62	16.2	0.0
				507204	518998	529998	Tune-up limit (dB)	MPR (dB)
				2539.02	2552.99	2548.99	16.2	0.0
80	QPSK	1	1	15.65	15.59	15.68	16.2	0.0
				506202	518998	531000	Tune-up limit (dB)	MPR (dB)
				2531.01	2552.99	2555	16.2	0.0
70	QPSK	1	1	15.62	15.70	15.63	16.2	0.0
				505200	518998	531996	Tune-up limit (dB)	MPR (dB)
				2526	2552.99	2559.99	16.2	0.0
60	QPSK	1	1	15.67	15.69	15.69	16.2	0.0
				504204	518998	532998	Tune-up limit (dB)	MPR (dB)
				2521.02	2552.99	2554.99	16.2	0.0
50	QPSK	1	1	15.67	15.63	15.63	16.2	0.0
				503202	518998	534000	Tune-up limit (dB)	MPR (dB)
				2516.01	2552.99	2510	16.2	0.0
40	QPSK	1	1	15.65	15.65	15.68	16.2	0.0
				502200	518998	534996	Tune-up limit (dB)	MPR (dB)
				2511	2552.99	2574.98	16.2	0.0
30	QPSK	1	1	15.64	15.60	15.63	16.2	0.0
				502200	518998	534996	Tune-up limit (dB)	MPR (dB)
				2511	2552.99	2574.98	16.2	0.0
25	QPSK	1	1	15.64	15.62	15.67	16.2	0.0
				501204	518998	535998	Tune-up limit (dB)	MPR (dB)
				2506.02	2552.99	2574.98	16.2	0.0
20	QPSK	1	1	15.68	15.68	15.69	16.2	0.0
				500700	518998	536496	Tune-up limit (dB)	MPR (dB)
				2501.5	2552.99	2565.48	16.2	0.0
15	QPSK	1	1	15.61	15.63	15.68	16.2	0.0
				500202	518998	537000	Tune-up limit (dB)	MPR (dB)
				2501.01	2552.99	2565	16.2	0.0
10	QPSK	1	1	15.66	15.63	15.65	16.2	0.0



n2 Ant6 DSI 1								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. /Freq. 374000	Power Middle Ch. /Freq. 375000	Power High Ch. /Freq. 376000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				1870	1880	1890		
40	1/2 BPSK	1	1	21.79	21.99	21.72		
40	1/2 BPSK	1	108	21.76	21.77	21.83	23.2	0.0
40	1/2 BPSK	1	214	21.67	21.68	21.69		
40	1/2 BPSK	108	0	21.72	21.75	21.84	23.2	0.0
40	1/2 BPSK	108	54	21.66	21.73	21.77	23.2	0.0
40	1/2 BPSK	108	108	21.69	21.69	21.68		
40	1/2 BPSK	216	0	21.75	21.70	21.70	23.2	0.0
40	QPSK	1	1	21.80	21.84	21.78		
40	QPSK	1	108	21.82	21.86	21.81	23.2	0.0
40	QPSK	1	214	21.82	21.85	21.71		
40	QPSK	108	0	21.70	21.70	21.64	23.2	0.0
40	QPSK	108	54	21.68	21.80	21.77	23.2	0.0
40	QPSK	108	108	21.70	21.73	21.89	23.2	0.0
40	QPSK	216	0	21.65	21.76	21.83		
40	16QAM	1	1	21.64	21.72	21.71	23.2	0.0
40	16QAM	1	1	20.98	21.04	20.98	22.7	0.5
40	256QAM	1	1	19.91	19.98	19.93	20.7	1.5
Channel								
Frequency (MHz)				373500	376000	378500	Tune-up	MPR
35	QPSK	1	1	187.5	1880	1892.5	lim	(dB)
Channel								
Frequency (MHz)				373000	376500	379000	Tune-up	MPR
30	QPSK	1	1	188	1880	1888	lim	(dB)
Channel								
Frequency (MHz)				372500	376000	379500	Tune-up	MPR
25	QPSK	1	1	187.5	1880	1897.5	lim	(dB)
Channel								
Frequency (MHz)				372000	376500	380000	Tune-up	MPR
20	QPSK	1	1	187	1880	1900	lim	(dB)
Channel								
Frequency (MHz)				371500	376000	380500	Tune-up	MPR
15	QPSK	1	1	186.5	1880	1902.5	lim	(dB)
Channel								
Frequency (MHz)				371000	376000	381000	Tune-up	MPR
10	QPSK	1	1	186	1880	1905	lim	(dB)
Channel								
Frequency (MHz)				370500	376000	381500	Tune-up	MPR
5	QPSK	1	1	185.5	1880	1907.5	lim	(dB)

n7 Ant6 DSI 1								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. /Freq. 594000	Power Middle Ch. /Freq. 597000	Power High Ch. /Freq. 510000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				2520	2535	2550		
40	1/2 BPSK	1	1	22.03	21.96	21.96		
40	1/2 BPSK	1	108	21.98	22.03	21.98	22.7	0.0
40	1/2 BPSK	1	214	22.02	21.84	22.07		
40	1/2 BPSK	108	0	22.03	22.07	22.02	22.7	0.0
40	1/2 BPSK	108	54	22.04	21.88	22.08	22.7	0.0
40	1/2 BPSK	108	108	22.02	22.01	21.89		
40	1/2 BPSK	216	0	21.98	22.00	21.99	22.7	0.0
40	QPSK	1	1	22.04	22.12	22.02		
40	QPSK	1	108	21.98	21.99	21.91	22.7	0.0
40	QPSK	1	214	21.91	22.04	22.07		
40	QPSK	108	0	21.98	22.03	21.98	22.7	0.0
40	QPSK	108	54	22.00	22.10	22.01	22.7	0.0
40	QPSK	108	108	22.05	22.04	22.03		
40	QPSK	216	0	21.98	22.03	21.94	22.7	0.0
40	16QAM	1	1	21.87	21.88	22.01	22.7	0.0
40	16QAM	1	1	22.05	21.93	22.01	22.7	0.0
40	256QAM	1	1	20.01	20.08	19.99	21.2	1.5
Channel								
Frequency (MHz)				593500	597000	510500	Tune-up	MPR
35	QPSK	1	1	223.5	2335	2329.5	lim	(dB)
Channel								
Frequency (MHz)				593000	597000	511000	Tune-up	MPR
30	QPSK	1	1	223	2335	2325	lim	(dB)
Channel								
Frequency (MHz)				592500	597000	511500	Tune-up	MPR
25	QPSK	1	1	222.5	2335	2327.5	lim	(dB)
Channel								
Frequency (MHz)				592000	597000	512000	Tune-up	MPR
20	QPSK	1	1	223	2335	2320	22.7	0.0
Channel								
Frequency (MHz)				591500	597000	512500	Tune-up	MPR
15	QPSK	1	1	222.5	2335	2322.5	22.7	0.0
Channel								
Frequency (MHz)				591000	597000	513000	Tune-up	MPR
10	QPSK	1	1	223	2335	2325	lim	(dB)
Channel								
Frequency (MHz)				590500	597000	513500	Tune-up	MPR
5	QPSK	1	1	222.5	2335	2327.5	lim	(dB)

n66 Ant6 DSI 1								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. /Freq. 346000	Power Middle Ch. /Freq. 349000	Power High Ch. /Freq. 352000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				1730	1745	1760		
40	1/2 BPSK	1	1	20.70	20.81	20.88		
40	1/2 BPSK	1	108	20.77	20.78	20.87	22.2	0.0
40	1/2 BPSK	1	214	20.74	20.88	20.73		
40	1/2 BPSK	108	0	20.70	20.76	20.87	22.2	0.0
40	1/2 BPSK	108	54	20.87	20.71	20.72	22.2	0.0
40	1/2 BPSK	108	108	20.71	20.76	20.68		
40	1/2 BPSK	216	0	20.88	20.85	20.84	22.2	0.0
40	QPSK	1	1	20.73	20.80	20.75		
40	QPSK	1	108	20.66	20.67	20.61	22.2	0.0
40	QPSK	1	214	20.81	20.85	20.78		
40	QPSK	108	0	20.87	20.70	20.61	22.2	0.0
40	QPSK	108	54	20.70	20.78	20.76	22.2	0.0
40	QPSK	108	108	20.72	20.72	20.74	22.2	0.0
40	QPSK	216	0	20.84	20.74	20.85		
40	16QAM	1	1	20.81	20.71	20.74	22.2	0.0
40	16QAM	1	1	20.74	20.82	20.71	22.2	0.0
40	256QAM	1	1	19.83	19.81	19.86	21.2	1.0
Channel								
Frequency (MHz)				345500	349000	352500	Tune-up	MPR
35	QPSK	1	1	172.5	1745	1743.5	lim	(dB)
Channel								
Frequency (MHz)				345000	349000	353000	Tune-up	MPR
30	QPSK	1	1	1725	1745	1743	lim	(dB)
Channel								
Frequency (MHz)				344500	349000	353500	Tune-up	MPR
25	QPSK	1	1	172.5	1745	1743.5	lim	(dB)
Channel								
Frequency (MHz)				344000	349000	354000	Tune-up	MPR
20	QPSK	1	1	1720	1745	1740	lim	(dB)
Channel								
Frequency (MHz)				343500	349000	354500	Tune-up	MPR
15	QPSK	1	1	172	1745	1742.5	22.2	0.0
Channel								
Frequency (MHz)				343000	349000	355000	Tune-up	MPR
10	QPSK	1	1	171.5	1745	1742.5	lim	(dB)
Channel								
Frequency (MHz)				342500	349000	355500	Tune-up	MPR
5	QPSK	1	1	171.5	1745	1742.5	lim	(dB)



Part27Q n77 Ant7 DSI 1 PC2										
BW [MHz]	Modulat ion	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)										
100	1/2 BPSK	1	1		3500.01					
100	1/2 BPSK	1	1		17.82			19.0	0.0	
100	1/2 BPSK	1	137		17.89					
100	1/2 BPSK	1	271		17.85					
100	1/2 BPSK	135	0		17.98			19.0	0.0	
100	1/2 BPSK	135	69		17.85				19.0	0.0
100	1/2 BPSK	135	138		17.89			19.0	0.0	
100	1/2 BPSK	270	0		17.91					
100	QPSK	1	1		18.01					
100	QPSK	1	137		17.85			19.0	0.0	
100	QPSK	1	271		17.90				19.0	0.0
100	QPSK	135	0		17.89				19.0	0.0
100	QPSK	135	69		17.96				19.0	0.0
100	QPSK	135	138		17.86				19.0	0.0
100	QPSK	270	0		17.95					
100	16QAM	1	1		17.92				19.0	0.0
100	64QAM	1	1		17.83				19.0	0.0
100	256QAM	1	1		17.95				19.0	0.0
Channel										
Frequency (MHz)										
90	QPSK	1	1		633000	633334	633668	Tune-up	MPR	
					3500	3500.01	3503.02	lim	(dB)	
Channel										
Frequency (MHz)										
80	QPSK	1	1		632668	633334	634000	Tune-up	MPR	
Channel										
Frequency (MHz)										
70	QPSK	1	1		632334	633334	634334	Tune-up	MPR	
Channel										
Frequency (MHz)										
60	QPSK	1	1		632000	633334	634668	Tune-up	MPR	
Channel										
Frequency (MHz)										
50	QPSK	1	1		631668	633334	635000	Tune-up	MPR	
Channel										
Frequency (MHz)										
40	QPSK	1	1		631334	633334	635334	Tune-up	MPR	
Channel										
Frequency (MHz)										
30	QPSK	1	1		631000	633334	635668	Tune-up	MPR	
Channel										
Frequency (MHz)										
25	QPSK	1	1		630668	633334	636000	Tune-up	MPR	
Channel										
Frequency (MHz)										
20	QPSK	1	1		630334	633334	636334	Tune-up	MPR	
Channel										
Frequency (MHz)										
15	QPSK	1	1		630000	633334	636668	Tune-up	MPR	
Channel										
Frequency (MHz)										
10	QPSK	1	1		629668	633334	637000	Tune-up	MPR	

Part27O n78 Ant7 DSI 1										
BW [MHz]	Modulat ion	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)										
100	1/2 BPSK	1	1		3750					
100	1/2 BPSK	1	137		14.55			15.5	0.0	
100	1/2 BPSK	1	271		14.60					
100	1/2 BPSK	135	0		14.54				15.5	0.0
100	1/2 BPSK	135	69		14.66				15.5	0.0
100	1/2 BPSK	135	138		14.57				15.5	0.0
100	1/2 BPSK	270	0		14.68			15.5	0.0	
100	QPSK	1	1		14.75					
100	QPSK	1	137		14.60			15.5	0.0	
100	QPSK	1	271		14.62				15.5	0.0
100	QPSK	135	0		14.68				15.5	0.0
100	QPSK	135	69		14.71				15.5	0.0
100	QPSK	135	138		14.63				15.5	0.0
100	QPSK	270	0		14.68				15.5	0.0
100	16QAM	1	1		14.64				15.5	0.0
100	64QAM	1	1		14.57				15.5	0.0
100	256QAM	1	1		14.63				15.5	0.0
Channel										
Frequency (MHz)										
90	QPSK	1	1		649688	650000	650334	Tune-up	MPR	
					3750	3750	3753.01	lim	(dB)	
Channel										
Frequency (MHz)										
80	QPSK	1	1		649334	650000	650668	Tune-up	MPR	
Channel										
Frequency (MHz)										
70	QPSK	1	1		648988	650000	651000	Tune-up	MPR	
Channel										
Frequency (MHz)										
60	QPSK	1	1		648642	650000	651334	Tune-up	MPR	
Channel										
Frequency (MHz)										
50	QPSK	1	1		648296	650000	651668	Tune-up	MPR	
Channel										
Frequency (MHz)										
40	QPSK	1	1		647950	650000	652000	Tune-up	MPR	
Channel										
Frequency (MHz)										
30	QPSK	1	1		647604	650000	652334	Tune-up	MPR	
Channel										
Frequency (MHz)										
25	QPSK	1	1		647258	650000	652668	Tune-up	MPR	
Channel										
Frequency (MHz)										
20	QPSK	1	1		646912	650000	653000	Tune-up	MPR	
Channel										
Frequency (MHz)										
15	QPSK	1	1		646566	650000	653334	Tune-up	MPR	
Channel										
Frequency (MHz)										
10	QPSK	1	1		646220	650000	653668	Tune-up	MPR	

Part27O n78 Ant7 DSI 1 PC2										
BW [MHz]	Modulat ion	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)										
100	1/2 BPSK	1	1		3750					
100	1/2 BPSK	1	137		17.23			18.5	0.0	
100	1/2 BPSK	1	271		17.33					
100	1/2 BPSK	135	0		17.29				18.5	0.0
100	1/2 BPSK	135	69		17.38				18.5	0.0
100	1/2 BPSK	135	138		17.24				18.5	0.0
100	1/2 BPSK	270	0		17.30			18.5	0.0	
100	QPSK	1	1		17.36					
100	QPSK	1	137		17.25			18.5	0.0	
100	QPSK	1	271		17.30				18.5	0.0
100	QPSK	135	0		17.35				18.5	0.0
100	QPSK	135	69		17.37				18.5	0.0
100	QPSK	135	138		17.35				18.5	0.0
100	QPSK	270	0		17.33				18.5	0.0
100	16QAM	1	1		17.30				18.5	0.0
100	64QAM	1	1		17.23				18.5	0.0
100	256QAM	1	1		17.35				18.5	0.0
Channel										
Frequency (MHz)										
90	QPSK	1	1		649688	650000	650334	Tune-up	MPR	
					3750	3750	3753.01	lim	(dB)	
Channel										
Frequency (MHz)										
80	QPSK	1	1		649334	650000	650668	Tune-up	MPR	
Channel										
Frequency (MHz)										
70	QPSK	1	1		648988	650000	651000	Tune-up	MPR	
Channel										
Frequency (MHz)										
60	QPSK	1	1		648642	650000	651334	Tune-up	MPR	
Channel										
Frequency (MHz)										
50	QPSK	1	1		648296	650000	651668	Tune-up	MPR	
Channel										
Frequency (MHz)										
40	QPSK	1	1		647950	650000	652000	Tune-up	MPR	
Channel										
Frequency (MHz)										
30	QPSK	1	1		647604	650000	652334	Tune-up	MPR	
Channel										
Frequency (MHz)										
25	QPSK	1	1		647258	650000	652668	Tune-up	MPR	
Channel										
Frequency (MHz)										
20	QPSK	1	1		646912	650000	653000	Tune-up	MPR	
Channel										
Frequency (MHz)										
15	QPSK	1	1		646566	650000	653334	Tune-up	MPR	
Channel										
Frequency (MHz)										
10	QPSK	1	1		646220	650000	653668	Tune-up	MPR	



Part27Q n78 Ant7 DSI 1

BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel 63334								
Frequency (MHz) 3500.01								
100	1/2 BPSK	1	1	14.63				
100	1/2 BPSK	1	137	14.76				
100	1/2 BPSK	1	271	14.72			15.5	0.0
100	1/2 BPSK	135	0	14.72			15.5	0.0
100	1/2 BPSK	135	69	14.72			15.5	0.0
100	1/2 BPSK	135	138	14.71			15.5	0.0
100	1/2 BPSK	270	0	14.65			15.5	0.0
100	QPSK	1	1	14.72				
100	QPSK	1	137	14.72			15.5	0.0
100	QPSK	1	271	14.67			15.5	0.0
100	QPSK	135	0	14.71			15.5	0.0
100	QPSK	135	69	14.76			15.5	0.0
100	QPSK	135	138	14.70			15.5	0.0
100	QPSK	270	0	14.68			15.5	0.0
100	16QAM	1	1	14.71			15.5	0.0
100	16QAM	1	1	14.64			15.5	0.0
100	256QAM	1	1	14.74			15.5	0.0
Channel 63300								
Frequency (MHz) 3495								
90	QPSK	1	1	14.69	3500.01	3500.02	limit	(dB)
Channel 63268								
Frequency (MHz) 3490.02								
80	QPSK	1	1	14.69	3500.01	3510	limit	(dB)
Channel 63234								
Frequency (MHz) 3488.01								
70	QPSK	1	1	14.69	3500.01	3519.01	limit	(dB)
Channel 63200								
Frequency (MHz) 3486								
60	QPSK	1	1	14.69	3500.01	3520.02	limit	(dB)
Channel 63168								
Frequency (MHz) 3475.02								
50	QPSK	1	1	14.73	3500.01	3525	limit	(dB)
Channel 63134								
Frequency (MHz) 3470.02								
40	QPSK	1	1	14.72	3500.01	3525	limit	(dB)
Channel 63100								
Frequency (MHz) 3468								
30	QPSK	1	1	14.70	3500.01	3535.02	limit	(dB)
Channel 63068								
Frequency (MHz) 3466								
25	QPSK	1	1	14.74	3500.01	3537.51	limit	(dB)
Channel 63034								
Frequency (MHz) 3465.01								
20	QPSK	1	1	14.72	3500.01	3540	limit	(dB)
Channel 63000								
Frequency (MHz) 3463								
15	QPSK	1	1	14.76	3500.01	3542.52	limit	(dB)
Channel 63034								
Frequency (MHz) 3455.01								
10	QPSK	1	1	14.75	3500.01	3545.01	limit	(dB)

Part27Q n78 Ant7 DSI 1 PC2

BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel 63334								
Frequency (MHz) 3500.01								
100	1/2 BPSK	1	1	17.32				
100	1/2 BPSK	1	137	17.46				
100	1/2 BPSK	1	271	17.40			18.5	0.0
100	1/2 BPSK	135	0	17.46			18.5	0.0
100	1/2 BPSK	135	69	17.40			18.5	0.0
100	1/2 BPSK	135	138	17.48			18.5	0.0
100	1/2 BPSK	270	0	17.35			18.5	0.0
100	QPSK	1	1	17.49				
100	QPSK	1	137	17.38			18.5	0.0
100	QPSK	1	271	17.42			18.5	0.0
100	QPSK	135	0	17.41			18.5	0.0
100	QPSK	135	69	17.47			18.5	0.0
100	QPSK	135	138	17.39			18.5	0.0
100	QPSK	270	0	17.39			18.5	0.0
100	16QAM	1	1	17.38			18.5	0.0
100	16QAM	1	1	17.36			18.5	0.0
100	256QAM	1	1	17.45			18.5	0.0
Channel 63300								
Frequency (MHz) 3495								
90	QPSK	1	1	17.44	3500.01	3500.02	limit	(dB)
Channel 63268								
Frequency (MHz) 3490.02								
80	QPSK	1	1	17.43	3500.01	3510	limit	(dB)
Channel 63234								
Frequency (MHz) 3488.01								
70	QPSK	1	1	17.47	3500.01	3519.01	limit	(dB)
Channel 63200								
Frequency (MHz) 3486								
60	QPSK	1	1	17.45	3500.01	3520.02	limit	(dB)
Channel 63168								
Frequency (MHz) 3475.02								
50	QPSK	1	1	17.49	3500.01	3525	limit	(dB)
Channel 63134								
Frequency (MHz) 3470.02								
40	QPSK	1	1	17.42	3500.01	3525	limit	(dB)
Channel 63100								
Frequency (MHz) 3468								
30	QPSK	1	1	17.42	3500.01	3535.02	limit	(dB)
Channel 63068								
Frequency (MHz) 3466								
25	QPSK	1	1	17.40	3500.01	3537.51	limit	(dB)
Channel 63034								
Frequency (MHz) 3465.01								
20	QPSK	1	1	17.40	3500.01	3540	limit	(dB)
Channel 63000								
Frequency (MHz) 3463								
15	QPSK	1	1	17.41	3500.01	3542.52	limit	(dB)
Channel 63034								
Frequency (MHz) 3455.01								
10	QPSK	1	1	17.45	3500.01	3545.01	limit	(dB)



Part27Q n78 Ant8 Other PA DSI 1

BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel 633334								
Frequency (MHz) 3500.01								
100	1/2 BPSK	1	1	18.23				0.0
100	1/2 BPSK	1	137	18.31			18.0	0.0
100	1/2 BPSK	1	271	18.33				
100	1/2 BPSK	135	0	18.35			18.0	0.0
100	1/2 BPSK	135	69	18.32			18.0	0.0
100	1/2 BPSK	135	138	18.35			18.0	0.0
100	1/2 BPSK	270	0	18.25			18.0	0.0
100	QPSK	1	1	18.39				
100	QPSK	1	137	18.25			18.0	0.0
100	QPSK	1	271	18.29			18.0	0.0
100	QPSK	135	0	18.28			18.0	0.0
100	QPSK	135	69	18.38			18.0	0.0
100	QPSK	135	138	18.26			18.0	0.0
100	QPSK	270	0	18.34			18.0	0.0
100	16QAM	1	1	18.30			18.0	0.0
100	16QAM	1	1	18.30			18.0	0.0
100	256QAM	1	1	18.35			18.0	0.0
Channel 633000								
Frequency (MHz) 3495								
90	QPSK	1	1	18.30	18.33	18.37	18.0	0.0
Channel 632688								
Frequency (MHz) 3490.02								
80	QPSK	1	1	18.33	18.31	18.29	18.0	0.0
Channel 632334								
Frequency (MHz) 3485.01								
70	QPSK	1	1	18.29	18.29	18.33	18.0	0.0
Channel 632000								
Frequency (MHz) 3480								
60	QPSK	1	1	18.29	18.33	18.32	18.0	0.0
Channel 631668								
Frequency (MHz) 3475.02								
50	QPSK	1	1	18.33	18.33	18.32	18.0	0.0
Channel 631334								
Frequency (MHz) 3470.01								
40	QPSK	1	1	18.33	18.29	18.31	18.0	0.0
Channel 631000								
Frequency (MHz) 3465								
30	QPSK	1	1	18.31	18.35	18.34	18.0	0.0
Channel 630834								
Frequency (MHz) 3462.81								
25	QPSK	1	1	18.38	18.38	18.35	18.0	0.0
Channel 630668								
Frequency (MHz) 3460.80								
20	QPSK	1	1	18.33	18.37	18.33	18.0	0.0
Channel 630500								
Frequency (MHz) 3457.5								
15	QPSK	1	1	18.37	18.34	18.32	18.0	0.0
Channel 630334								
Frequency (MHz) 3455.01								
10	QPSK	1	1	18.37	18.37	18.31	18.0	0.0

Part27Q n78 Ant8 Other PA DSI 1 PC2

BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel 633334								
Frequency (MHz) 3500.01								
100	1/2 BPSK	1	1	20.20				0.0
100	1/2 BPSK	1	137	20.33			21.0	0.0
100	1/2 BPSK	1	271	20.31				
100	1/2 BPSK	135	0	20.38			21.0	0.0
100	1/2 BPSK	135	69	20.25			21.0	0.0
100	1/2 BPSK	135	138	20.33			21.0	0.0
100	1/2 BPSK	270	0	20.29			21.0	0.0
100	QPSK	1	1	20.36				
100	QPSK	1	137	20.24			21.0	0.0
100	QPSK	1	271	20.26			21.0	0.0
100	QPSK	135	0	20.36			21.0	0.0
100	QPSK	135	69	20.37			21.0	0.0
100	QPSK	135	138	20.29			21.0	0.0
100	QPSK	270	0	20.35			21.0	0.0
100	16QAM	1	1	20.31			21.0	0.0
100	16QAM	1	1	20.23			21.0	0.0
100	256QAM	1	1	20.28			21.0	0.0
Channel 633000								
Frequency (MHz) 3495								
90	QPSK	1	1	20.35	20.29	20.35	21.0	0.0
Channel 632688								
Frequency (MHz) 3490.02								
80	QPSK	1	1	20.30	20.32	20.32	21.0	0.0
Channel 632334								
Frequency (MHz) 3485.01								
70	QPSK	1	1	20.33	20.37	20.30	21.0	0.0
Channel 632000								
Frequency (MHz) 3480								
60	QPSK	1	1	20.30	20.34	20.38	21.0	0.0
Channel 631668								
Frequency (MHz) 3475.02								
50	QPSK	1	1	20.33	20.37	20.34	21.0	0.0
Channel 631334								
Frequency (MHz) 3470.01								
40	QPSK	1	1	20.34	20.38	20.38	21.0	0.0
Channel 631000								
Frequency (MHz) 3465								
30	QPSK	1	1	20.30	20.38	20.38	21.0	0.0
Channel 630834								
Frequency (MHz) 3462.81								
25	QPSK	1	1	20.31	20.28	20.38	21.0	0.0
Channel 630668								
Frequency (MHz) 3460.80								
20	QPSK	1	1	20.35	20.34	20.38	21.0	0.0
Channel 630500								
Frequency (MHz) 3457.5								
15	QPSK	1	1	20.32	20.34	20.31	21.0	0.0
Channel 630334								
Frequency (MHz) 3455.01								
10	QPSK	1	1	20.31	20.37	20.33	21.0	0.0



n5 Ant0 DSI 2								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	1/2 BPSK	1	1	25.07	25.15	25.14		
20	1/2 BPSK	1	53	25.19	25.22	25.16	25.7	0.0
20	1/2 BPSK	1	104	25.20	25.31	25.27		
20	1/2 BPSK	50	0	24.59	24.69	24.61	25.2	0.5
20	1/2 BPSK	50	99	25.20	25.27	25.19	25.7	0.0
20	1/2 BPSK	50	56	24.61	24.66	24.61	25.2	0.5
20	1/2 BPSK	100	0	24.72	24.81	24.76		
20	QPSK	1	1	25.40	25.42	25.38		
20	QPSK	1	53	25.28	25.38	25.37	25.7	0.0
20	QPSK	1	104	25.36	25.39	25.32		
20	QPSK	50	0	24.00	24.22	24.19	24.7	1.0
20	QPSK	50	28	25.17	25.27	25.28	25.7	0.0
20	QPSK	50	98	24.12	24.18	24.11	24.7	1.0
20	QPSK	100	0	24.31	24.33	24.23		
20	16QAM	1	1	24.08	24.16	24.10	24.7	1.0
20	16QAM	1	1	22.85	22.97	22.84	23.2	2.5
20	16QAM	1	1	20.30	20.40	20.33	21.2	4.5
Channel				168300	167300	168300	Tune-up	MPR
Frequency (MHz)				831.5	833.5	831.5	limit	(dB)
15	QPSK	1	1	25.39	25.28	25.22	25.7	0.0
Channel				168800	167300	168800	Tune-up	MPR
Frequency (MHz)				829	833.5	834	limit	(dB)
10	QPSK	1	1	25.40	25.23	25.30	25.7	0.0
Channel				168300	167300	168300	Tune-up	MPR
Frequency (MHz)				828.5	833.5	833.5	limit	(dB)
5	QPSK	1	1	25.33	25.33	25.23	25.7	0.0

Reduced Power Mode for SA DSI 2

n7 Ant0 Other PA DSI 2								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	1/2 BPSK	1	1	24.62	24.54	24.56		
40	1/2 BPSK	1	108	24.59	24.65	24.59	25.2	0.0
40	1/2 BPSK	1	214	24.60	24.56	24.60		
40	1/2 BPSK	108	0	24.57	24.58	24.53	25.2	0.0
40	1/2 BPSK	108	54	24.63	24.63	24.67	25.2	0.0
40	1/2 BPSK	108	108	24.53	24.57	24.52	25.2	0.0
40	1/2 BPSK	216	0	24.61	24.65	24.55		
40	QPSK	1	1	24.71	24.77	24.69		
40	QPSK	1	108	24.52	24.64	24.50	25.2	0.0
40	QPSK	1	214	24.66	24.63	24.61		
40	QPSK	108	0	24.10	24.18	24.09	24.7	0.5
40	QPSK	108	54	24.65	24.72	24.61	25.2	0.0
40	QPSK	108	108	24.02	24.12	24.03	24.7	0.5
40	QPSK	216	0	24.13	24.21	24.20		
40	16QAM	1	1	24.23	24.26	24.21	24.7	0.5
40	16QAM	1	1	22.58	22.65	22.59	23.2	2.0
40	16QAM	1	1	20.61	20.63	20.58	21.2	4.0
Channel				503500	507000	510500	Tune-up	MPR
Frequency (MHz)				2517.5	2535	2552.5	limit	(dB)
35	QPSK	1	1	24.64	24.70	24.63	25.2	0.0
Channel				503000	507000	511000	Tune-up	MPR
Frequency (MHz)				2515	2535	2550	limit	(dB)
30	QPSK	1	1	24.65	24.67	24.62	25.2	0.0
Channel				502500	507000	511500	Tune-up	MPR
Frequency (MHz)				2512.5	2535	2557.5	limit	(dB)
25	QPSK	1	1	24.60	24.71	24.67	25.2	0.0
Channel				502000	507000	512000	Tune-up	MPR
Frequency (MHz)				2510	2535	2550	limit	(dB)
20	QPSK	1	1	24.61	24.71	24.60	25.2	0.0
Channel				501500	507000	512500	Tune-up	MPR
Frequency (MHz)				2507.5	2535	2557.5	limit	(dB)
15	QPSK	1	1	24.61	24.70	24.67	25.2	0.0
Channel				501000	507000	513000	Tune-up	MPR
Frequency (MHz)				2505	2535	2560	limit	(dB)
10	QPSK	1	1	24.64	24.74	24.61	25.2	0.0
Channel				500500	507000	513500	Tune-up	MPR
Frequency (MHz)				2502.5	2535	2562.5	limit	(dB)
5	QPSK	1	1	24.66	24.75	24.66	25.2	0.0

n12 Ant0 DSI 2								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141300	141500	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	1/2 BPSK	1	1	25.10	25.15	25.08		
15	1/2 BPSK	1	40	24.99	25.07	24.98	25.7	0.0
15	1/2 BPSK	1	77	25.04	25.12	25.02		
15	1/2 BPSK	36	0	24.45	24.51	24.46	25.2	0.5
15	1/2 BPSK	36	22	25.08	25.11	25.06	25.7	0.0
15	1/2 BPSK	36	43	24.39	24.45	24.43	25.2	0.5
15	1/2 BPSK	75	0	24.46	24.54	24.53		
15	QPSK	1	1	25.14	25.17	25.16		
15	QPSK	1	40	24.95	25.02	24.92	25.7	0.0
15	QPSK	1	77	25.09	25.15	25.09		
15	QPSK	36	0	23.95	24.01	23.90	24.7	1.0
15	QPSK	36	22	25.01	25.10	25.05	25.7	0.0
15	QPSK	36	43	24.01	24.02	24.00	24.7	1.0
15	QPSK	75	0	23.97	23.96	23.91		
15	16QAM	1	1	23.99	24.07	24.06	24.7	1.0
15	16QAM	1	1	22.42	22.49	22.41	23.2	2.5
15	16QAM	1	1	20.50	20.52	20.49	21.2	4.5
Channel				140800	141500	142200	Tune-up	MPR
Frequency (MHz)				704	707.5	711	limit	(dB)
10	QPSK	1	1	25.12	25.15	25.07	25.7	0.0
Channel				140300	141500	142700	Tune-up	MPR
Frequency (MHz)				701.5	707.5	713.5	limit	(dB)
5	QPSK	1	1	25.02	25.14	25.14	25.7	0.0



n26 Ant0 DSI 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	1/2 BPSK	1	1	25.16	25.26	25.19		
20	1/2 BPSK	1	53	25.29	25.23	25.23	25.7	0.0
20	1/2 BPSK	1	104	25.26	25.42	25.34		
20	1/2 BPSK	50	0	24.64	24.74	24.64	25.2	0.5
20	1/2 BPSK	50	29	25.25	25.38	25.27	25.7	0.0
20	1/2 BPSK	50	58	24.72	24.68	24.64	25.2	0.5
20	QPSK	1	1	25.38	25.44	25.43		
20	QPSK	1	53	25.29	25.39	25.42	25.7	0.0
20	QPSK	1	104	25.38	25.37	25.37		
20	QPSK	50	0	24.30	24.30	24.25	24.7	1.0
20	QPSK	50	29	25.18	25.37	25.32	25.7	0.0
20	QPSK	50	58	24.17	24.28	24.18	24.7	1.0
20	QPSK	100	0	24.35	24.38	24.34		
20	16QAM	1	1	24.14	24.22	24.18	24.7	1.0
20	16QAM	1	1	22.72	22.73	22.86	23.2	2.5
20	16QAM	1	1	20.41	20.42	20.35	21.2	4.5
Channel				164300	166300	168300	Tune-up	MPR
Frequency (MHz)				811.5	818	825	limit	(dB)
15	QPSK	1	1	25.31	25.43	25.37	25.7	0.0
Channel				163800	166300	168800	Tune-up	MPR
Frequency (MHz)				810	831.5	843	limit	(dB)
10	QPSK	1	1	25.34	25.33	25.33	25.7	0.0
Channel				163300	166300	169300	Tune-up	MPR
Frequency (MHz)				816.5	831.5	846.5	limit	(dB)
5	QPSK	1	1	25.30	25.35	25.32	25.7	0.0

n66 Ant0 DSI 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	0	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	1/2 BPSK	1	1	16.53	16.44	16.48		
40	1/2 BPSK	1	108	16.64	16.51	16.55	18.2	0.0
40	1/2 BPSK	1	214	16.63	16.68	16.58		
40	1/2 BPSK	108	0	16.66	16.63	16.46	18.2	0.0
40	1/2 BPSK	108	54	16.60	16.61	16.47	18.2	0.0
40	1/2 BPSK	108	108	16.58	16.58	16.50	18.2	0.0
40	1/2 BPSK	216	0	16.69	16.57	16.66		
40	QPSK	1	1	16.67	16.73	16.59		
40	QPSK	1	108	16.69	16.60	16.47	18.2	0.0
40	QPSK	1	214	16.44	16.60	16.67		
40	QPSK	108	0	16.68	16.51	16.66	18.2	0.0
40	QPSK	108	54	16.45	16.70	16.56	18.2	0.0
40	QPSK	108	108	16.65	16.65	16.66	18.2	0.0
40	QPSK	216	0	16.62	16.68	16.65		
40	16QAM	1	1	16.58	16.50	16.57	18.2	0.0
40	16QAM	1	1	16.53	16.56	16.55	18.2	0.0
40	16QAM	1	1	16.63	16.60	16.60	18.2	0.0
Channel				345500	349000	352500	Tune-up	MPR
Frequency (MHz)				1727.5	1745	1762.5	limit	(dB)
35	QPSK	1	1	16.65	16.70	16.42	18.2	0.0
Channel				345000	349000	353000	Tune-up	MPR
Frequency (MHz)				1725	1745	1765	limit	(dB)
30	QPSK	1	1	16.53	16.69	16.49	18.2	0.0
Channel				344500	349000	353500	Tune-up	MPR
Frequency (MHz)				1722.5	1745	1767.5	limit	(dB)
25	QPSK	1	1	16.65	16.68	16.43	18.2	0.0
Channel				344000	349000	354000	Tune-up	MPR
Frequency (MHz)				1720	1745	1770	limit	(dB)
20	QPSK	1	1	16.60	16.62	16.46	18.2	0.0
Channel				343500	349000	354500	Tune-up	MPR
Frequency (MHz)				1717.5	1745	1772.5	limit	(dB)
15	QPSK	1	1	16.66	16.69	16.44	18.2	0.0
Channel				343000	349000	355000	Tune-up	MPR
Frequency (MHz)				1715	1745	1775	limit	(dB)
10	QPSK	1	1	16.61	16.69	16.42	18.2	0.0
Channel				342500	349000	355500	Tune-up	MPR
Frequency (MHz)				1712.5	1745	1777.5	limit	(dB)
5	QPSK	1	1	16.65	16.70	16.39	18.2	0.0



n38 Ant0 Other PA DSI 2								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
	Channel			519004	519000	519996		
	Frequency (MHz)			2590.02	2595	2599.98		
40	1/2 BPS	1	1	24.11	24.33	24.18	24.7	0.0
40	1/2 BPS	1	53	24.28	24.23	24.19		
40	1/2 BPS	1	104	24.28	24.27	24.29		
40	1/2 BPS	50	0	24.22	24.24	24.08	24.7	0.0
40	1/2 BPS	50	28	24.15	24.33	24.14		0.0
40	1/2 BPS	50	56	24.27	24.20	24.16	24.7	0.0
40	1/2 BPS	100	0	24.20	24.25	24.16		
40	QPSK	1	1	24.32	24.24	24.23		
40	QPSK	1	53	24.23	24.31	24.19	24.7	0.0
40	QPSK	1	104	24.15	24.11	24.27		
40	QPSK	50	0	24.25	24.22	24.24	24.7	0.0
40	QPSK	50	28	24.08	24.25	24.10	24.7	0.0
40	QPSK	50	56	24.17	24.17	24.25	24.7	0.0
40	QPSK	100	0	24.09	24.29	24.17		
40	16QAM	1	1	24.23	24.13	24.11	24.7	0.0
40	16QAM	1	1	23.95	23.07	22.97	23.2	1.5
40	256QAM	1	1	20.94	21.03	21.00	21.2	3.5
	Channel			517002	519000	520998	Tune-up	MPR
	Frequency (MHz)			2583.01	2595	2604.99	limit	(dB)
30	1/2 BPS	1	1	24.05	24.24	24.10	24.7	0.0
	Channel			516504	519000	521498	Tune-up	MPR
	Frequency (MHz)			2592.52	2595	2607.48	limit	(dB)
25	1/2 BPS	1	1	24.05	24.24	24.13	24.7	0.0
	Channel			516000	519000	522000	Tune-up	MPR
	Frequency (MHz)			2580	2595	2610	limit	(dB)
20	1/2 BPS	1	1	24.02	24.22	24.09	24.7	0.0
	Channel			515502	519000	522498	Tune-up	MPR
	Frequency (MHz)			2577.51	2595	2612.49	limit	(dB)
15	1/2 BPS	1	1	24.01	24.24	24.03	24.7	0.0
	Channel			515004	519000	522996	Tune-up	MPR
	Frequency (MHz)			2573.02	2595	2614.98	limit	(dB)
10	1/2 BPS	1	1	24.03	24.24	24.13	24.7	0.0

n41 Ant0 Other PA DSI 2								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
	Channel			509202	518998	528000		
	Frequency (MHz)			2546.01	2592.99	2640		
100	1/2 BPS	1	1	24.19	24.32	24.08		
100	1/2 BPS	1	197	24.21	24.18	24.25	24.7	0.0
100	1/2 BPS	1	271	24.26	24.28	24.21		
100	1/2 BPS	135	0	24.28	24.16	24.06	24.7	0.0
100	1/2 BPS	135	69	24.20	24.30	24.10	24.7	0.0
100	1/2 BPS	135	138	24.23	24.21	24.14	24.7	0.0
100	1/2 BPS	270	0	24.26	24.28	24.23		
100	QPSK	1	1	24.20	24.29	24.22		
100	QPSK	1	137	24.19	24.19	24.16	25.4	0.0
100	QPSK	1	271	24.16	24.13	24.31		
100	QPSK	135	0	24.18	24.15	24.13	24.7	0.0
100	QPSK	135	69	24.16	24.26	24.10	24.7	0.0
100	QPSK	135	138	24.27	24.23	24.27	24.7	0.0
100	QPSK	270	0	24.18	24.27	24.20		
100	16QAM	1	1	24.24	24.15	24.12	24.7	0.0
100	16QAM	1	1	22.99	23.01	22.99	23.2	1.5
100	256QAM	1	1	20.92	21.00	20.98	21.2	3.5
	Channel			508200	518998	528996	Tune-up	MPR
	Frequency (MHz)			2541	2592.99	2644.98	limit	(dB)
50	1/2 BPS	1	1	24.12	24.23	23.98	24.7	0.0
	Channel			507204	518998	529998	Tune-up	MPR
	Frequency (MHz)			2536.02	2592.99	2646.99	limit	(dB)
80	1/2 BPS	1	1	24.15	24.24	24.02	24.7	0.0
	Channel			506202	518998	531000	Tune-up	MPR
	Frequency (MHz)			2531.01	2592.99	2655	limit	(dB)
70	1/2 BPS	1	1	24.09	24.21	24.02	24.7	0.0
	Channel			505200	518998	531996	Tune-up	MPR
	Frequency (MHz)			2526	24.59	2659.98	limit	(dB)
60	1/2 BPS	1	1	24.15	24.25	23.99	24.7	0.0
	Channel			504204	518998	532998	Tune-up	MPR
	Frequency (MHz)			2521.02	2592.99	2664.99	limit	(dB)
50	1/2 BPS	1	1	24.14	24.29	24.05	24.7	0.0
	Channel			503202	518998	534000	Tune-up	MPR
	Frequency (MHz)			2516.04	2592.99	2670	limit	(dB)
40	1/2 BPS	1	1	24.10	24.23	24.07	24.7	0.0
	Channel			502200	518998	534996	Tune-up	MPR
	Frequency (MHz)			2511	2592.99	2674.98	limit	(dB)
30	1/2 BPS	1	1	24.18	24.25	24.04	24.7	0.0
	Channel			502200	518998	534996	Tune-up	MPR
	Frequency (MHz)			2511	2592.99	2674.98	limit	(dB)
25	1/2 BPS	1	1	24.14	24.23	24.01	24.7	0.0
	Channel			501204	518998	535998	Tune-up	MPR
	Frequency (MHz)			2506.02	2592.99	2679.99	limit	(dB)
20	1/2 BPS	1	1	24.15	24.25	24.00	24.7	0.0
	Channel			500700	518998	536496	Tune-up	MPR
	Frequency (MHz)			2501.5	2592.99	2684.48	limit	(dB)
15	1/2 BPS	1	1	24.16	24.27	24.04	24.7	0.0
	Channel			500202	518998	537000	Tune-up	MPR
	Frequency (MHz)			2501.01	2592.99	2685	limit	(dB)
10	1/2 BPS	1	1	24.13	24.26	24.01	24.7	0.0



n5 Ant1 DSI 2								
BW [MHz]	Modulat ion	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)				834	836.5	839		
20 1/2 BPSK	1	1	1	25.12	25.17	25.08		
20 1/2 BPSK	1	53	25.04	25.11	25.05			25.7 0.0
20 1/2 BPSK	1	104	25.03	25.07	25.01			
20 1/2 BPSK	50	0	24.57	24.61	24.59	25.2	0.5	
20 1/2 BPSK	50	28	25.05	25.15	25.14			25.7 0.0
20 1/2 BPSK	50	56	24.58	24.59	24.55			
20 1/2 BPSK	100	0	24.58	24.67	24.57			25.2 0.5
20 QPSK	1	1	25.15	25.21	25.11			
20 QPSK	1	53	25.04	25.11	25.03			25.7 0.0
20 QPSK	1	104	25.11	25.17	25.13			
20 QPSK	50	0	24.05	24.11	24.03	24.7	1.0	
20 QPSK	50	28	25.08	25.11	25.02			25.7 0.0
20 QPSK	50	56	23.95	24.02	23.87			24.7 1.0
20 QPSK	100	0	24.01	24.12	24.01			24.7 1.0
20 16QAM	1	1	24.11	24.14	24.04	24.7	1.0	
20 16QAM	1	1	22.57	22.61	22.57	23.2	2.5	
20 16QAM	1	1	20.34	20.43	20.41	21.2	4.5	
Channel								
Frequency (MHz)				16330	16730	16330	Tune-up	MPR
15 QPSK	1	1	23.02	23.10	23.03			25.7 0.0
Frequency (MHz)				16560	16730	16880	Tune-up	MPR
10 QPSK	1	1	23.02	23.13	23.05			25.7 0.0
Frequency (MHz)				16530	16730	16930	Tune-up	MPR
5 QPSK	1	1	23.05	23.13	23.04			25.7 0.0

n7 Ant1 Other PA DSI 2								
BW [MHz]	Modulat ion	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)				2520	2535	2550		
40 1/2 BPSK	1	1	21.83	21.87	21.87	21.57		
40 1/2 BPSK	1	168	21.77	21.87	21.76			22.2 0.0
40 1/2 BPSK	1	214	21.86	21.85	21.69			
40 1/2 BPSK	168	0	21.71	21.88	21.56	22.2	0.0	
40 1/2 BPSK	168	54	21.68	21.74	21.82			22.2 0.0
40 1/2 BPSK	168	108	21.84	21.75	21.65			22.2 0.0
40 1/2 BPSK	216	0	21.74	21.80	21.80			
40 QPSK	1	1	21.75	21.87	21.70			
40 QPSK	1	168	21.67	21.71	21.63			22.2 0.0
40 QPSK	1	214	21.69	21.86	21.81			
40 QPSK	168	0	21.66	21.70	21.72			22.2 0.0
40 QPSK	168	54	21.85	21.85	21.58			22.2 0.0
40 QPSK	168	108	21.76	21.70	21.66			22.2 0.0
40 QPSK	216	0	21.57	21.83	21.82			
40 16QAM	1	1	21.84	21.58	21.83	22.2	0.0	
40 16QAM	1	1	21.74	21.89	21.83	22.2	0.0	
40 256QAM	1	1	20.88	20.76	20.87	21.2	1.0	
Channel								
Frequency (MHz)				50300	50700	51050	Tune-up	MPR
35 QPSK	1	1	21.65	21.78	21.83			22.2 0.0
Channel								
Frequency (MHz)				50300	50700	51100	Tune-up	MPR
30 QPSK	1	1	21.71	21.78	21.80			22.2 0.0
Channel								
Frequency (MHz)				50250	50700	51150	Tune-up	MPR
25 QPSK	1	1	21.63	21.83	21.73			22.2 0.0
Channel								
Frequency (MHz)				50200	50700	51200	Tune-up	MPR
20 QPSK	1	1	21.67	21.77	21.80			22.2 0.0
Channel								
Frequency (MHz)				50150	50700	51250	Tune-up	MPR
15 QPSK	1	1	21.66	21.78	21.83			22.2 0.0
Channel								
Frequency (MHz)				50100	50700	51300	Tune-up	MPR
10 QPSK	1	1	21.85	21.85	21.83			22.2 0.0
Channel								
Frequency (MHz)				50050	50700	51350	Tune-up	MPR
5 QPSK	1	1	21.71	21.80	21.66			22.2 0.0

n12 Ant1 DSI 2								
BW [MHz]	Modulat ion	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)				706.5	707.5	708.5		
15 1/2 BPSK	1	1	24.92	24.98	24.95			
15 1/2 BPSK	1	40	24.85	24.91	24.81			25.7 0.0
15 1/2 BPSK	1	77	24.85	24.90	24.83			
15 1/2 BPSK	36	0	24.27	24.37	24.35	25.2	0.5	
15 1/2 BPSK	36	22	24.81	24.87	24.76			25.7 0.0
15 1/2 BPSK	36	43	24.27	24.30	24.28			25.2 0.5
15 1/2 BPSK	75	0	24.31	24.37	24.29			
15 QPSK	1	1	24.91	25.01	25.00			
15 QPSK	1	40	24.92	24.95	24.82			25.7 0.0
15 QPSK	1	77	24.93	24.95	24.85			
15 QPSK	36	0	23.91	23.94	23.84	24.7	1.0	
15 QPSK	36	22	24.88	24.92	24.84			25.7 0.0
15 QPSK	36	43	23.72	23.80	23.70			24.7 1.0
15 QPSK	75	0	23.84	23.91	23.81			24.7 1.0
15 16QAM	1	1	23.89	23.85	23.86	24.7	1.0	
15 16QAM	1	1	22.25	22.32	22.29	23.2	2.5	
15 256QAM	1	1	20.38	20.37	20.35	21.2	4.5	
Channel								
Frequency (MHz)				14080	14150	14220	Tune-up	MPR
10 QPSK	1	1	24.84	24.92	24.85			25.7 0.0
Channel								
Frequency (MHz)				14030	14150	14270	Tune-up	MPR
5 QPSK	1	1	24.82	24.95	24.97			25.7 0.0

n26 Ant1 DSI 2								
BW [MHz]	Modulat ion	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)				824	831.5	839		
20 1/2 BPSK	1	1	25.23	25.22	25.12			
20 1/2 BPSK	1	53	25.14	25.21	25.08			25.7 0.0
20 1/2 BPSK	1	104	25.06	25.13	25.04			
20 1/2 BPSK	50	0	24.66	24.64	24.70	25.2	0.5	
20 1/2 BPSK	50	28	25.10	25.18	25.18			25.7 0.0
20 1/2 BPSK	50	56	24.62	24.63	24.64			25.2 0.5
20 1/2 BPSK	100	0	24.62	24.76	24.60			
20 QPSK	1	1	25.22	25.31	25.17			
20 QPSK	1	53	25.12	25.21	25.09			25.7 0.0
20 QPSK	1	104	25.14	25.27	25.16			
20 QPSK	50	0	24.12	24.18	24.06	24.7	1.0	
20 QPSK	50	28	25.12	25.13	25.04			25.7 0.0
20 QPSK	50	56	24.04	24.08	24.05			24.7 1.0
20 QPSK	100	0	24.10	24.17	24.06			24.7 1.0
20 16QAM	1	1	24.16	24.20	24.11	24.7	1.0	
20 16QAM	1	1	22.60	22.69	22.66	23.2	2.5	
20 256QAM	1	1	20.38	20.44	20.44	21.2	4.5	
Channel								
Frequency (MHz)				16430	16630	16830	Tune-up	MPR
15 QPSK	1	1	23.15	23.15	23.15			25.7 0.0
Channel								
Frequency (MHz)				16380	16630	16880	Tune-up	MPR
10 QPSK	1	1	23.15	23.27	23.09			25.7 0.0
Channel								
Frequency (MHz)				16330	16630	16930	Tune-up	MPR
5 QPSK	1	1	23.14	23.20	23.03			25.7 0.0



n66 Ant1 DSI 2

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq. 346000	Middle Ch. / Freq. 349000	High Ch. / Freq. 352000		
Channel								
Frequency (MHz)				1730	1745	1760		
40	1/2 BPSK	1	1	17.61	17.55	17.57		
40	1/2 BPSK	1	108	17.59	17.59	17.52	19.0	0.0
40	1/2 BPSK	1	214	17.62	17.56	17.62		
40	1/2 BPSK	108	0	17.63	17.63	17.60	19.0	0.0
40	1/2 BPSK	108	54	17.64	17.61	17.69	19.0	0.0
40	1/2 BPSK	108	108	17.59	17.61	17.55	19.0	0.0
40	1/2 BPSK	216	0	17.64	17.54	17.55		
40	QPSK	1	1	17.59	17.52	17.63		
40	QPSK	1	108	17.49	17.57	17.56	19.0	0.0
40	QPSK	1	214	17.54	17.65	17.66		
40	QPSK	108	0	17.64	17.66	17.56	19.0	0.0
40	QPSK	108	54	17.61	17.71	17.67	19.0	0.0
40	QPSK	108	108	17.66	17.60	17.67	19.0	0.0
40	QPSK	216	0	17.53	17.53	17.53		
40	16QAM	1	1	17.58	17.56	17.69	18.0	0.0
40	16QAM	1	1	17.65	17.55	17.61	18.0	0.0
40	256QAM	1	1	17.36	17.42	17.35	19.0	0.0
Channel								
Frequency (MHz)				345000	349000	352000	Tune-up	MPR
35	QPSK	1	1	17.25	17.45	17.23	19.0	0.0
Channel				345000	349000	353000	Tune-up	MPR
Frequency (MHz)				1725	1745	1765	19.0	0.0
30	QPSK	1	1	17.53	17.56	17.62		
Channel								
Frequency (MHz)				344000	349000	353500	Tune-up	MPR
25	QPSK	1	1	17.25	17.45	17.25	19.0	0.0
Channel				344000	349000	354000	Tune-up	MPR
Frequency (MHz)				1720	1745	1770	19.0	0.0
20	QPSK	1	1	17.54	17.59	17.57		
Channel								
Frequency (MHz)				343000	349000	354500	Tune-up	MPR
15	QPSK	1	1	17.15	17.45	17.23	19.0	0.0
Channel				343000	349000	355000	Tune-up	MPR
Frequency (MHz)				1715	1745	1775	19.0	0.0
10	QPSK	1	1	17.57	17.63	17.59		
Channel								
Frequency (MHz)				342500	349000	355500	Tune-up	MPR
Frequency (MHz)				1712.5	1745	1777.5	19.0	0.0
5	QPSK	1	1	17.50	17.67	17.61		



n2 Ant5 DSI 2								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq. 374000	Power Middle Ch. / Freq. 376000	Power High Ch. / Freq. 378000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				1870	1880	1890		
40	1/2 BPSK	1	1	21.35	21.29	21.42	22.3	0.0
40	1/2 BPSK	1	108	21.35	21.42	21.39		
40	1/2 BPSK	1	214	21.36	21.43	21.49		
40	1/2 BPSK	108	0	21.50	21.32	21.28	22.3	0.0
40	1/2 BPSK	108	54	21.32	21.41	21.34	22.3	0.0
40	1/2 BPSK	108	108	21.42	21.32	21.26	22.3	0.0
40	1/2 BPSK	216	0	21.47	21.27	21.35	22.3	0.0
40	QPSK	1	1	21.30	21.52	21.34		
40	QPSK	1	108	21.50	21.49	21.41	22.3	0.0
40	QPSK	1	214	21.31	21.29	21.45		
40	QPSK	108	0	21.38	21.35	21.41	22.3	0.0
40	QPSK	108	54	21.31	21.49	21.36	22.3	0.0
40	QPSK	108	108	21.35	21.46	21.40	22.3	0.0
40	QPSK	216	0	21.27	21.51	21.46		
40	16QAM	1	1	21.43	21.33	21.32	22.3	0.0
40	16QAM	1	1	21.41	21.33	21.33	22.3	0.0
40	256QAM	1	1	19.92	19.61	19.51	20.8	1.5
Channel								
Frequency (MHz)				374500	376000	378500	Tune-up limit (dB)	MPR
35	QPSK	1	1	21.33	21.44	21.33	22.3	0.0
Channel								
Frequency (MHz)				374000	376000	378000	Tune-up limit (dB)	MPR
30	QPSK	1	1	21.31	21.51	21.33	22.3	0.0
Channel								
Frequency (MHz)				374500	376000	378500	Tune-up limit (dB)	MPR
25	QPSK	1	1	19.92	19.89	19.75	20.1	0.0
Channel								
Frequency (MHz)				374000	376000	380000	Tune-up limit (dB)	MPR
20	QPSK	1	1	21.29	21.50	21.23	22.3	0.0
Channel								
Frequency (MHz)				371500	376000	380500	Tune-up limit (dB)	MPR
15	QPSK	1	1	21.31	21.43	21.24	22.3	0.0
Channel								
Frequency (MHz)				371000	376000	381000	Tune-up limit (dB)	MPR
10	QPSK	1	1	21.32	21.51	21.26	22.3	0.0
Channel								
Frequency (MHz)				376500	376000	381500	Tune-up limit (dB)	MPR
5	QPSK	1	1	21.35	21.44	21.23	22.3	0.0

n7 Ant5 DSI 2								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq. 594000	Power Middle Ch. / Freq. 597000	Power High Ch. / Freq. 510000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				2520	2535	2550		
40	1/2 BPSK	1	1	21.23	21.19	21.12	21.7	0.0
40	1/2 BPSK	1	108	21.26	21.27	21.24		
40	1/2 BPSK	1	214	21.18	21.20	21.16		
40	1/2 BPSK	108	0	21.21	21.19	21.15	21.7	0.0
40	1/2 BPSK	108	54	21.12	21.15	21.16	21.7	0.0
40	1/2 BPSK	108	108	21.15	21.22	21.10	21.7	0.0
40	1/2 BPSK	216	0	21.20	21.12	21.16		
40	QPSK	1	1	21.23	21.35	21.10		
40	QPSK	1	108	21.15	21.28	21.22	21.7	0.0
40	QPSK	1	214	21.12	21.15	21.27		
40	QPSK	108	0	21.13	21.11	21.23	21.7	0.0
40	QPSK	108	54	21.05	21.34	21.11	21.7	0.0
40	QPSK	108	108	21.23	21.22	21.20	21.7	0.0
40	QPSK	216	0	21.19	21.31	21.25		
40	16QAM	1	1	21.17	21.15	21.21	21.7	0.0
40	16QAM	1	1	21.25	21.22	21.07	21.7	0.0
40	256QAM	1	1	20.58	20.65	20.58	21.2	0.5
Channel								
Frequency (MHz)				593500	597000	510500	Tune-up limit (dB)	MPR
35	QPSK	1	1	21.15	21.29	21.07	21.7	0.0
Channel								
Frequency (MHz)				593000	597000	511000	Tune-up limit (dB)	MPR
30	QPSK	1	1	21.13	21.32	21.00	21.7	0.0
Channel								
Frequency (MHz)				592500	597000	511500	Tune-up limit (dB)	MPR
25	QPSK	1	1	21.17	21.29	21.03	21.7	0.0
Channel								
Frequency (MHz)				592000	597000	512000	Tune-up limit (dB)	MPR
20	QPSK	1	1	21.13	21.26	21.07	21.7	0.0
Channel								
Frequency (MHz)				591500	597000	512500	Tune-up limit (dB)	MPR
15	QPSK	1	1	21.14	21.30	21.08	21.7	0.0
Channel								
Frequency (MHz)				591000	597000	513000	Tune-up limit (dB)	MPR
10	QPSK	1	1	21.14	21.28	21.00	21.7	0.0
Channel								
Frequency (MHz)				590500	597000	513500	Tune-up limit (dB)	MPR
5	QPSK	1	1	21.13	21.28	21.00	21.7	0.0

n66 Ant5 DSI 2								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq. 346000	Power Middle Ch. / Freq. 349000	Power High Ch. / Freq. 352000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				1730	1745	1760		
40	1/2 BPSK	1	1	22.49	22.51	22.48	23.2	0.0
40	1/2 BPSK	1	108	22.59	22.66	22.60		
40	1/2 BPSK	1	214	22.58	22.69	22.59		
40	1/2 BPSK	108	0	22.70	22.59	22.51	23.2	0.0
40	1/2 BPSK	108	54	22.54	22.62	22.54	23.2	0.0
40	1/2 BPSK	108	108	22.66	22.64	22.56	23.2	0.0
40	1/2 BPSK	216	0	22.70	22.55	22.64		
40	QPSK	1	1	22.70	22.71	22.56		
40	QPSK	1	108	22.57	22.65	22.48	23.2	0.0
40	QPSK	1	214	22.50	22.47	22.57		
40	QPSK	108	0	22.59	22.53	22.64	23.2	0.0
40	QPSK	108	54	22.54	22.65	22.61	23.2	0.0
40	QPSK	108	108	22.64	22.64	22.59	23.2	0.0
40	QPSK	216	0	22.50	22.61	22.59		
40	16QAM	1	1	22.66	22.52	22.54	23.2	0.0
40	16QAM	1	1	22.55	22.49	22.55	23.2	0.0
40	256QAM	1	1	20.46	20.55	20.50	21.7	2.0
Channel								
Frequency (MHz)				345500	349000	352500	Tune-up limit (dB)	MPR
35	QPSK	1	1	22.52	22.50	22.51	23.2	0.0
Channel								
Frequency (MHz)				345000	349000	353000	Tune-up limit (dB)	MPR
30	QPSK	1	1	22.54	22.61	22.48	23.2	0.0
Channel								
Frequency (MHz)				344500	349000	353500	Tune-up limit (dB)	MPR
25	QPSK	1	1	22.57	22.64	22.53	23.2	0.0
Channel								
Frequency (MHz)				344000	349000	354000	Tune-up limit (dB)	MPR
20	QPSK	1	1	22.69	22.57	22.49	23.2	0.0
Channel								
Frequency (MHz)				343500	349000	354500	Tune-up limit (dB)	MPR
15	QPSK	1	1	22.65	22.69	22.53	23.2	0.0
Channel								
Frequency (MHz)				343000	349000	355000	Tune-up limit (dB)	MPR
10	QPSK	1	1	22.68	22.62	22.49	23.2	0.0
Channel								
Frequency (MHz)				342500	349000	355500	Tune-up limit (dB)	MPR
5	QPSK	1	1	22.62	22.66	22.52	23.2	0.0



n38 Ant5 DSI 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 519004	Power Middle Ch. / Freq. 519000	Power High Ch. / Freq. 519996	Tune-up limit (dBm)	MPR (dB)
				2590.02	2595	2599.98		
40	1/2 BPSK	1	1	20.89	20.85	20.99		
40	1/2 BPSK	1	53	21.10	21.01	21.03	21.7	0.0
40	1/2 BPSK	1	104	21.08	20.99	21.10		
40	1/2 BPSK	50	0	21.07	21.02	20.92	21.7	0.0
40	1/2 BPSK	50	28	21.08	21.03	20.98	21.7	0.0
40	1/2 BPSK	50	56	20.96	21.02	20.91	21.7	0.0
40	1/2 BPSK	100	0	21.05	20.89	20.98		
40	QPSK	1	1	21.11	21.08	21.08		
40	QPSK	1	53	21.06	21.02	20.98	21.7	0.0
40	QPSK	1	104	20.85	20.96	21.10		
40	QPSK	50	0	20.93	20.97	20.96	21.7	0.0
40	QPSK	50	28	21.08	21.12	21.04	21.7	0.0
40	QPSK	50	56	21.04	20.95	21.05	21.7	0.0
40	QPSK	100	0	21.01	21.07	20.92		
40	16QAM	1	1	21.07	20.86	20.99	21.7	0.0
40	16QAM	1	1	20.96	20.95	20.85	21.7	0.0
40	256QAM	1	1	20.54	20.55	20.53	21.2	0.5
				517002	519000	520998	Tune-up	MPR
				2583.01	2585	2584.99	limit	(dB)
30	QPSK	1	1	21.02	21.07	20.92	21.7	0.0
				516504	519000	521496	Tune-up	MPR
				2582.52	2585	2587.48	limit	(dB)
25	QPSK	1	1	21.07	21.08	20.95	21.7	0.0
				516000	519000	522000	Tune-up	MPR
				2580	2585	25810	limit	(dB)
20	QPSK	1	1	21.00	21.13	20.95	21.7	0.0
				515502	519000	522498	Tune-up	MPR
				2577.51	2585	2582.49	limit	(dB)
15	QPSK	1	1	21.05	21.07	21.03	21.7	0.0
				515004	519000	522996	Tune-up	MPR
				2581.02	2585	2581.98	limit	(dB)
10	QPSK	1	1	21.04	21.10	20.99	21.7	0.0

n41 Ant5 DSI 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 509202	Power Middle Ch. / Freq. 518998	Power High Ch. / Freq. 520000	Tune-up limit (dBm)	MPR (dB)
				2546.01	2552.99	2540		
100	1/2 BPSK	1	1	20.41	20.24	20.28		
100	1/2 BPSK	1	197	20.50	20.46	20.43	21.2	0.0
100	1/2 BPSK	1	271	20.37	20.36	20.40		
100	1/2 BPSK	135	0	20.53	20.45	20.35	21.2	0.0
100	1/2 BPSK	135	69	20.47	20.41	20.33	21.2	0.0
100	1/2 BPSK	135	138	20.41	20.39	20.32	21.2	0.0
100	1/2 BPSK	270	0	20.45	20.25	20.44		
100	QPSK	1	1	20.38	20.37	20.38		
100	QPSK	1	137	20.37	20.39	20.38	21.2	0.0
100	QPSK	1	271	20.34	20.36	20.37		
100	QPSK	135	0	20.41	20.43	20.40	21.2	0.0
100	QPSK	135	69	20.27	20.53	20.42	21.2	0.0
100	QPSK	135	138	20.38	20.43	20.47	21.2	0.0
100	QPSK	270	0	20.38	20.48	20.40		
100	16QAM	1	1	20.49	20.31	20.29	21.2	0.0
100	16QAM	1	1	20.40	20.37	20.38	21.2	0.0
100	256QAM	1	1	20.43	20.41	20.47	21.2	0.0
				508200	518998	520996	Tune-up	MPR
				2541	2552.99	2544.98	limit	(dB)
50	QPSK	1	1	20.34	20.46	20.27	21.2	0.0
				507204	518998	520998	Tune-up	MPR
				2538.02	2552.99	2542.99	limit	(dB)
80	QPSK	1	1	20.35	20.50	20.31	21.2	0.0
				506202	518998	531000	Tune-up	MPR
				2531.01	2552.99	2555	limit	(dB)
70	QPSK	1	1	20.33	20.53	20.31	21.2	0.0
				505200	518998	531996	Tune-up	MPR
				2526	2552.99	2559.98	limit	(dB)
60	QPSK	1	1	20.27	20.53	20.29	21.2	0.0
				504204	518998	532998	Tune-up	MPR
				2521.02	2552.99	2559.99	limit	(dB)
50	QPSK	1	1	20.34	20.48	20.29	21.2	0.0
				503202	518998	534000	Tune-up	MPR
				2518.01	2552.99	2560	limit	(dB)
40	QPSK	1	1	20.33	20.51	20.32	21.2	0.0
				502200	518998	534996	Tune-up	MPR
				2511	2552.99	2574.98	limit	(dB)
30	QPSK	1	1	20.29	20.54	20.30	21.2	0.0
				502200	518998	534996	Tune-up	MPR
				2511	2552.99	2574.98	limit	(dB)
25	QPSK	1	1	20.35	20.51	20.28	21.2	0.0
				501204	518998	535998	Tune-up	MPR
				2506.02	2552.99	2579.99	limit	(dB)
20	QPSK	1	1	20.37	20.51	20.25	21.2	0.0
				500700	518998	536496	Tune-up	MPR
				2500.5	2552.99	2583.48	limit	(dB)
15	QPSK	1	1	20.35	20.54	20.29	21.2	0.0
				500202	518998	537000	Tune-up	MPR
				2501.01	2552.99	2585	limit	(dB)
10	QPSK	1	1	20.30	20.55	20.32	21.2	0.0



n2 Ant6 DSI 2									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq. 374000	Power Middle Ch. / Freq. 376000	Power High Ch. / Freq. 378000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1870	1880	1890			
40	1/2 BPSK	1	1	21.79	21.99	21.72			
40	1/2 BPSK	1	108	21.76	21.77	21.83			
40	1/2 BPSK	1	214	21.67	21.68	21.69			
40	1/2 BPSK	108	0	21.72	21.75	21.84	23.2	0.0	
40	1/2 BPSK	108	54	21.66	21.73	21.77	23.2	0.0	
40	1/2 BPSK	108	108	21.69	21.69	21.68	23.2	0.0	
40	1/2 BPSK	216	0	21.75	21.70	21.70			
40	QPSK	1	1	21.80	21.84	21.78			
40	QPSK	1	108	21.82	21.86	21.81			
40	QPSK	1	214	21.82	21.85	21.71			
40	QPSK	108	9	21.70	21.70	21.64	23.2	0.0	
40	QPSK	108	54	21.68	21.80	21.77	23.2	0.0	
40	QPSK	108	108	21.70	21.73	21.89	23.2	0.0	
40	QPSK	216	9	21.65	21.76	21.63			
40	16QAM	1	1	21.64	21.72	21.71	23.2	0.0	
40	16QAM	1	1	20.96	21.04	20.98	22.7	0.5	
40	256QAM	1	1	19.91	19.96	19.93	20.7	2.5	
Channel									
Frequency (MHz)				373500	376000	378500	Tune-up	MPR	
35	QPSK	1	1	187.5	188	182.5	lim	(dB)	
Channel									
Frequency (MHz)				373000	376000	379000	Tune-up	MPR	
30	QPSK	1	1	188	188	189	lim	(dB)	
Channel									
Frequency (MHz)				372500	376000	379500	Tune-up	MPR	
25	QPSK	1	1	187.5	188	187.5	lim	(dB)	
Channel									
Frequency (MHz)				372000	376000	380000	Tune-up	MPR	
20	QPSK	1	1	187	188	190	lim	(dB)	
Channel									
Frequency (MHz)				371500	376000	380500	Tune-up	MPR	
15	QPSK	1	1	187.4	188	182.5	lim	(dB)	
Channel									
Frequency (MHz)				371000	376000	381000	Tune-up	MPR	
10	QPSK	1	1	21.72	21.78	21.89	23.2	0.0	
Channel									
Frequency (MHz)				370500	376000	381500	Tune-up	MPR	
5	QPSK	1	1	21.75	21.77	21.89	23.2	0.0	

n7 Ant6 DSI 2									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq. 594000	Power Middle Ch. / Freq. 597000	Power High Ch. / Freq. 510000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				2520	2535	2550			
40	1/2 BPSK	1	1	20.91	20.89	20.96			
40	1/2 BPSK	1	108	21.02	20.99	20.97	21.7	0.0	
40	1/2 BPSK	1	214	20.99	21.03	20.95			
40	1/2 BPSK	108	0	21.11	20.95	20.82	21.7	0.0	
40	1/2 BPSK	108	54	20.98	21.00	20.93	21.7	0.0	
40	1/2 BPSK	108	108	21.01	20.97	20.97	21.7	0.0	
40	1/2 BPSK	216	0	21.05	20.91	20.95			
40	QPSK	1	1	21.01	21.14	21.04			
40	QPSK	1	108	21.05	20.99	20.89	21.7	0.0	
40	QPSK	1	214	20.88	21.01	21.00			
40	QPSK	108	9	20.94	21.05	20.94	21.7	0.0	
40	QPSK	108	54	20.88	21.12	21.00	21.7	0.0	
40	QPSK	108	108	20.99	20.98	21.07	21.7	0.0	
40	QPSK	216	9	20.90	21.11	20.99			
40	16QAM	1	1	20.83	20.95	20.97	21.7	0.0	
40	16QAM	1	1	21.04	20.91	20.88	21.7	0.0	
40	256QAM	1	1	20.01	20.08	19.99	21.2	0.5	
Channel									
Frequency (MHz)				593500	597000	510500	Tune-up	MPR	
35	QPSK	1	1	231.5	235	232.5	lim	(dB)	
Channel									
Frequency (MHz)				593000	597000	511000	Tune-up	MPR	
30	QPSK	1	1	232	235	235	lim	(dB)	
Channel									
Frequency (MHz)				592500	597000	511500	Tune-up	MPR	
25	QPSK	1	1	231.5	235	237.5	lim	(dB)	
Channel									
Frequency (MHz)				592000	597000	512000	Tune-up	MPR	
20	QPSK	1	1	231	235	250	lim	(dB)	
Channel									
Frequency (MHz)				591500	597000	512500	Tune-up	MPR	
15	QPSK	1	1	230.5	235	250.5	lim	(dB)	
Channel									
Frequency (MHz)				591000	597000	513000	Tune-up	MPR	
10	QPSK	1	1	20.95	21.07	20.99	21.7	0.0	
Channel									
Frequency (MHz)				590500	597000	513500	Tune-up	MPR	
5	QPSK	1	1	20.92	21.08	20.93	21.7	0.0	

n66 Ant6 DSI 2									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq. 346000	Power Middle Ch. / Freq. 349000	Power High Ch. / Freq. 352000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1730	1745	1760			
40	1/2 BPSK	1	1	21.85	21.85	21.84			
40	1/2 BPSK	1	108	21.73	21.70	21.83			
40	1/2 BPSK	1	214	21.89	21.85	21.66			
40	1/2 BPSK	108	0	21.75	21.77	21.81	23.2	0.0	
40	1/2 BPSK	108	54	21.83	21.72	21.92	23.2	0.0	
40	1/2 BPSK	108	108	21.74	21.73	21.84	23.2	0.0	
40	1/2 BPSK	216	0	21.70	21.86	21.76			
40	QPSK	1	1	21.78	21.88	21.80			
40	QPSK	1	108	21.71	21.79	21.85	23.2	0.0	
40	QPSK	1	214	21.86	21.87	21.71			
40	QPSK	108	9	21.68	21.75	21.68	23.2	0.0	
40	QPSK	108	54	21.74	21.80	21.70	23.2	0.0	
40	QPSK	108	108	21.79	21.79	21.77	23.2	0.0	
40	QPSK	216	9	21.67	21.76	21.66			
40	16QAM	1	1	21.75	21.88	21.84	23.2	0.0	
40	16QAM	1	1	21.82	21.70	21.88	23.2	0.0	
40	256QAM	1	1	19.53	19.61	19.56	21.2	2.0	
Channel									
Frequency (MHz)				345500	349000	352500	Tune-up	MPR	
35	QPSK	1	1	172.5	174.5	174.5	lim	(dB)	
Channel									
Frequency (MHz)				345000	349000	353000	Tune-up	MPR	
30	QPSK	1	1	173	174.5	176.5	lim	(dB)	
Channel									
Frequency (MHz)				344500	349000	353500	Tune-up	MPR	
25	QPSK	1	1	172.5	174.5	177.5	lim	(dB)	
Channel									
Frequency (MHz)				344000	349000	354000	Tune-up	MPR	
20	QPSK	1	1	172	174.5	177.5	lim	(dB)	
Channel									
Frequency (MHz)				343500	349000	354500	Tune-up	MPR	
15	QPSK	1	1	171.5	174.5	177.5	lim	(dB)	
Channel									
Frequency (MHz)				343000	349000	355000	Tune-up	MPR	
10	QPSK	1	1	21.71	21.81	21.76	23.2	0.0	
Channel									
Frequency (MHz)				342500	349000	355500	Tune-up	MPR	
5	QPSK	1	1	21.69	21.81	21.76	23.2	0.0	



Part27Q n78 Ant7 DSI 2								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Freq. (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	1/2 BPSK	1	1	19.63			20.5	0.0
100	1/2 BPSK	1	137	19.63				
100	1/2 BPSK	1	271	19.66				
100	1/2 BPSK	135	0	19.69			20.5	0.0
100	1/2 BPSK	135	69	19.67			20.5	0.0
100	1/2 BPSK	135	138	19.70			20.5	0.0
100	1/2 BPSK	270	0	19.69			20.5	0.0
100	QPSK	1	1	19.68				
100	QPSK	1	137	19.83			20.5	0.0
100	QPSK	1	271	19.84				
100	QPSK	135	0	19.74			20.5	0.0
100	QPSK	135	69	19.83			20.5	0.0
100	QPSK	135	138	19.76			20.5	0.0
100	QPSK	270	0	19.77			20.5	0.0
100	16QAM	1	1	19.69			20.5	0.0
100	8QAM	1	1	19.73			20.5	0.0
100	256QAM	1	1	19.74			20.5	0.0
Channel				633000	633334	633668	Tune-up	MPR
Frequency (MHz)				3485	3500.01	3525.02	lim	(dB)
90	QPSK	1	1	19.82	19.83	19.79	20.5	0.0
Channel				632668	633334	634000	Tune-up	MPR
Frequency (MHz)				3490.02	3500.01	3510	lim	(dB)
80	QPSK	1	1	19.83	19.77	19.77	20.5	0.0
Channel				632334	633334	634334	Tune-up	MPR
Frequency (MHz)				3483.01	3500.01	3516.01	lim	(dB)
70	QPSK	1	1	19.80	19.82	19.79	20.5	0.0
Channel				632000	633334	634668	Tune-up	MPR
Frequency (MHz)				3480	3500.01	3520.02	lim	(dB)
60	QPSK	1	1	19.76	19.84	19.79	20.5	0.0
Channel				631668	633334	635000	Tune-up	MPR
Frequency (MHz)				3475.02	3500.01	3505	lim	(dB)
50	QPSK	1	1	19.84	19.76	19.81	20.5	0.0
Channel				631334	633334	635334	Tune-up	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	lim	(dB)
40	QPSK	1	1	19.81	19.83	19.78	20.5	0.0
Channel				631000	633334	635668	Tune-up	MPR
Frequency (MHz)				3465	3500.01	3535.02	lim	(dB)
30	QPSK	1	1	19.82	19.81	19.75	20.5	0.0
Channel				630834	633334	635834	Tune-up	MPR
Frequency (MHz)				3462.01	3500.01	3537.01	lim	(dB)
25	QPSK	1	1	19.79	19.83	19.75	20.5	0.0
Channel				630668	633334	636000	Tune-up	MPR
Frequency (MHz)				3460.02	3500.01	3540	lim	(dB)
20	QPSK	1	1	19.80	19.76	19.77	20.5	0.0
Channel				630500	633334	636168	Tune-up	MPR
Frequency (MHz)				3457.0	3500.01	3542.0	lim	(dB)
15	QPSK	1	1	19.78	19.84	19.83	20.5	0.0
Channel				630334	633334	636334	Tune-up	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	lim	(dB)
10	QPSK	1	1	19.77	19.75	19.76	20.5	0.0

Part27Q n78 Ant7 DSI 2 PC2								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Freq. (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	1/2 BPSK	1	1	22.31			23.5	0.0
100	1/2 BPSK	1	137	22.40				
100	1/2 BPSK	1	271	22.43				
100	1/2 BPSK	135	0	22.40			23.5	0.0
100	1/2 BPSK	135	69	22.34			23.5	0.0
100	1/2 BPSK	135	138	22.35			23.5	0.0
100	1/2 BPSK	270	0	22.36			23.5	0.0
100	QPSK	1	1	22.33				
100	QPSK	1	137	22.48			23.5	0.0
100	QPSK	1	271	22.28				
100	QPSK	135	0	22.33			23.5	0.0
100	QPSK	135	69	22.49			23.5	0.0
100	QPSK	135	138	22.48			23.5	0.0
100	QPSK	270	0	22.42			23.5	0.0
100	16QAM	1	1	22.27			23.5	0.0
100	8QAM	1	1	22.31			23.5	0.0
100	256QAM	1	1	22.41			23.5	0.0
Channel				633000	633334	633668	Tune-up	MPR
Frequency (MHz)				3495	3500.01	3525.02	lim	(dB)
90	QPSK	1	1	22.46	22.49	22.46	23.5	0.0
Channel				632668	633334	634000	Tune-up	MPR
Frequency (MHz)				3490.02	3500.01	3510	lim	(dB)
80	QPSK	1	1	22.47	22.42	22.46	23.5	0.0
Channel				632334	633334	634334	Tune-up	MPR
Frequency (MHz)				3485.01	3500.01	3512.01	lim	(dB)
70	QPSK	1	1	22.42	22.44	22.49	23.5	0.0
Channel				632000	633334	634668	Tune-up	MPR
Frequency (MHz)				3480	3500.01	3520.02	lim	(dB)
60	QPSK	1	1	22.48	22.43	22.44	23.5	0.0
Channel				631668	633334	635000	Tune-up	MPR
Frequency (MHz)				3475.02	3500.01	3505	lim	(dB)
50	QPSK	1	1	22.48	22.50	22.50	23.5	0.0
Channel				631334	633334	635334	Tune-up	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	lim	(dB)
40	QPSK	1	1	22.47	22.42	22.50	23.5	0.0
Channel				631000	633334	635668	Tune-up	MPR
Frequency (MHz)				3465	3500.01	3535.02	lim	(dB)
30	QPSK	1	1	22.48	22.44	22.42	23.5	0.0
Channel				630834	633334	635834	Tune-up	MPR
Frequency (MHz)				3462.01	3500.01	3537.01	lim	(dB)
25	QPSK	1	1	22.48	22.40	22.42	23.5	0.0
Channel				630668	633334	636000	Tune-up	MPR
Frequency (MHz)				3460.02	3500.01	3540	lim	(dB)
20	QPSK	1	1	22.48	22.44	22.42	23.5	0.0
Channel				630500	633334	636168	Tune-up	MPR
Frequency (MHz)				3457.0	3500.01	3542.0	lim	(dB)
15	QPSK	1	1	22.47	22.46	22.48	23.5	0.0
Channel				630334	633334	636334	Tune-up	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	lim	(dB)
10	QPSK	1	1	22.40	22.47	22.44	23.5	0.0



Part27Q n77 Ant8 Other PA DSI 2 PC2

Table with 10 columns: BW [MHz], Modulat ion, RB Size, RB Offset, Power Low Ch. / Freq., Power Middle Ch. / Freq., Power High Ch. / Freq., Tune-up limit (dBm), MPR (dB). Rows include various modulation schemes like BPSK, QPSK, 16QAM, and 256QAM across multiple channels.

Part27O n78 Ant8 Other PA DSI 2

Table with 10 columns: BW [MHz], Modulat ion, RB Size, RB Offset, Power Low Ch. / Freq., Power Middle Ch. / Freq., Power High Ch. / Freq., Tune-up limit (dBm), MPR (dB). Rows include various modulation schemes like BPSK, QPSK, 16QAM, and 256QAM across multiple channels.

Part27O n78 Ant8 Other PA DSI 2 PC2

Table with 10 columns: BW [MHz], Modulat ion, RB Size, RB Offset, Power Low Ch. / Freq., Power Middle Ch. / Freq., Power High Ch. / Freq., Tune-up limit (dBm), MPR (dB). Rows include various modulation schemes like BPSK, QPSK, 16QAM, and 256QAM across multiple channels.



Part27Q n78 Ant8 Other PA DSI 2

BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel 633334								
Frequency (MHz) 3500.01								
100	1/2 BPSK	1	1	18.28				
100	1/2 BPSK	1	137	18.28				
100	1/2 BPSK	1	271	18.38			20.0	0.0
100	1/2 BPSK	135	0	18.29			20.0	0.0
100	1/2 BPSK	135	69	18.38			20.0	0.0
100	1/2 BPSK	135	138	18.24			20.0	0.0
100	1/2 BPSK	270	0	18.17			20.0	0.0
100	QPSK	1	1	18.42				
100	QPSK	1	137	18.42			20.0	0.0
100	QPSK	1	271	18.28				
100	QPSK	135	0	18.21			20.0	0.0
100	QPSK	135	69	18.42			20.0	0.0
100	QPSK	135	138	18.37			20.0	0.0
100	QPSK	270	0	18.37			20.0	0.0
100	16QAM	1	1	18.18			20.0	0.0
100	16QAM	1	1	18.19			20.0	0.0
100	256QAM	1	1	18.35			20.0	0.0
Channel 633000								
Frequency (MHz) 3495								
90	QPSK	1	1	18.40	18.44	18.40	lim	(dB)
Channel 632668								
Frequency (MHz) 3490.02								
80	QPSK	1	1	18.41	18.45	18.39	lim	(dB)
Channel 632334								
Frequency (MHz) 3485.01								
70	QPSK	1	1	18.43	18.43	18.41	lim	(dB)
Channel 632000								
Frequency (MHz) 3480								
60	QPSK	1	1	18.39	18.42	18.44	20.0	0.0
Channel 631668								
Frequency (MHz) 3475.02								
50	QPSK	1	1	18.38	18.39	18.38	20.0	0.0
Channel 631334								
Frequency (MHz) 3470.01								
40	QPSK	1	1	18.42	18.42	18.45	20.0	0.0
Channel 631000								
Frequency (MHz) 3465.02								
30	QPSK	1	1	18.37	18.44	18.43	20.0	0.0
Channel 630668								
Frequency (MHz) 3460.01								
25	QPSK	1	1	18.40	18.37	18.36	20.0	0.0
Channel 630334								
Frequency (MHz) 3455.01								
20	QPSK	1	1	18.45	18.45	18.42	20.0	0.0
Channel 630000								
Frequency (MHz) 3450.03								
15	QPSK	1	1	18.38	18.42	18.42	20.0	0.0
Channel 629668								
Frequency (MHz) 3445.01								
10	QPSK	1	1	18.38	18.36	18.43	20.0	0.0

Part27Q n78 Ant8 Other PA DSI 2 PC2

BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel 633334								
Frequency (MHz) 3500.01								
100	1/2 BPSK	1	1	21.38				
100	1/2 BPSK	1	137	21.38				
100	1/2 BPSK	1	271	21.38			23.0	0.0
100	1/2 BPSK	135	0	21.32			23.0	0.0
100	1/2 BPSK	135	69	21.38			23.0	0.0
100	1/2 BPSK	135	138	21.41			23.0	0.0
100	1/2 BPSK	270	0	21.29			23.0	0.0
100	QPSK	1	1	21.66				
100	QPSK	1	137	21.61			23.0	0.0
100	QPSK	1	271	21.33				
100	QPSK	135	0	21.42			23.0	0.0
100	QPSK	135	69	21.63			23.0	0.0
100	QPSK	135	138	21.38			23.0	0.0
100	QPSK	270	0	21.46			23.0	0.0
100	16QAM	1	1	21.40			23.0	0.0
100	16QAM	1	1	21.44			23.0	0.0
100	256QAM	1	1	20.92			21.5	1.5
Channel 633000								
Frequency (MHz) 3495								
90	QPSK	1	1	21.07	21.51	21.46	lim	(dB)
Channel 632668								
Frequency (MHz) 3490.02								
80	QPSK	1	1	21.06	21.50	21.52	lim	(dB)
Channel 632334								
Frequency (MHz) 3485.01								
70	QPSK	1	1	21.09	21.45	21.48	lim	(dB)
Channel 632000								
Frequency (MHz) 3480								
60	QPSK	1	1	21.53	21.49	21.52	23.0	0.0
Channel 631668								
Frequency (MHz) 3475.02								
50	QPSK	1	1	21.49	21.46	21.48	23.0	0.0
Channel 631334								
Frequency (MHz) 3470.01								
40	QPSK	1	1	21.52	21.53	21.52	23.0	0.0
Channel 631000								
Frequency (MHz) 3465.02								
30	QPSK	1	1	21.54	21.51	21.52	23.0	0.0
Channel 630668								
Frequency (MHz) 3460.01								
25	QPSK	1	1	21.50	21.54	21.46	23.0	0.0
Channel 630334								
Frequency (MHz) 3455.01								
20	QPSK	1	1	21.47	21.49	21.51	23.0	0.0
Channel 630000								
Frequency (MHz) 3450.03								
15	QPSK	1	1	21.50	21.53	21.50	23.0	0.0
Channel 629668								
Frequency (MHz) 3445.01								
10	QPSK	1	1	21.45	21.52	21.49	23.0	0.0



Reduced Power Mode for SA DSI 3

n5 Ant0 DSI 3								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				168800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	1/2 BPSK	1	1	25.07	25.15	25.14		
20	1/2 BPSK	1	53	25.19	25.22	25.16	25.7	0.0
20	1/2 BPSK	1	104	25.20	25.31	25.27		
20	1/2 BPSK	50	0	24.59	24.69	24.61	25.2	0.5
20	1/2 BPSK	50	28	25.20	25.27	25.19	25.7	0.0
20	1/2 BPSK	50	56	24.61	24.66	24.61	25.2	0.5
20	1/2 BPSK	100	0	24.72	24.81	24.76		
20	QPSK	1	1	25.40	25.42	25.38		
20	QPSK	1	53	25.28	25.36	25.37	25.7	0.0
20	QPSK	1	104	25.36	25.39	25.32		
20	QPSK	50	0	24.20	24.22	24.19	24.7	1.0
20	QPSK	50	26	25.17	25.27	25.26	25.7	0.0
20	QPSK	50	56	24.12	24.18	24.11	24.7	1.0
20	QPSK	100	0	24.31	24.33	24.23		
20	16QAM	1	1	24.08	24.16	24.10	24.7	1.0
20	16QAM	1	1	22.85	22.87	22.84	23.2	2.5
20	16QAM	1	1	20.30	20.40	20.33	21.2	4.5
Channel				168300	167300	168300	Tune-up	MPR
Frequency (MHz)				831.5	836.5	841.5	limit	(dB)
15	QPSK	1	1	25.39	25.23	25.22	25.7	0.0
Channel				168800	167300	168800	Tune-up	MPR
Frequency (MHz)				829	836.5	844	limit	(dB)
10	QPSK	1	1	25.40	25.23	25.30	25.7	0.0
Channel				168300	167300	168300	Tune-up	MPR
Frequency (MHz)				828.5	836.5	843.5	limit	(dB)
5	QPSK	1	1	25.33	25.33	25.23	25.7	0.0

n7 Ant0 Other PA DSI 3								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	1/2 BPSK	1	1	24.62	24.54	24.56		
40	1/2 BPSK	1	108	24.59	24.65	24.59	25.2	0.0
40	1/2 BPSK	1	214	24.60	24.55	24.60		
40	1/2 BPSK	108	0	24.57	24.58	24.53	25.2	0.0
40	1/2 BPSK	108	54	24.63	24.63	24.67	25.2	0.0
40	1/2 BPSK	108	108	24.53	24.57	24.52	25.2	0.0
40	1/2 BPSK	216	0	24.61	24.65	24.55		
40	QPSK	1	1	24.71	24.77	24.69		
40	QPSK	1	108	24.52	24.64	24.50	25.2	0.0
40	QPSK	1	214	24.66	24.63	24.61		
40	QPSK	108	0	24.10	24.18	24.09	24.7	0.5
40	QPSK	108	54	24.65	24.72	24.61	25.2	0.0
40	QPSK	108	108	24.02	24.12	24.03	24.7	0.5
40	QPSK	216	0	24.13	24.21	24.20		
40	16QAM	1	1	24.23	24.25	24.21	24.7	0.5
40	16QAM	1	1	22.58	22.65	22.59	23.2	2.0
40	16QAM	1	1	20.61	20.63	20.58	21.2	4.0
Channel				503500	507000	510500	Tune-up	MPR
Frequency (MHz)				2517.5	2535	2552.5	limit	(dB)
35	QPSK	1	1	24.54	24.74	24.64	25.2	0.0
Channel				503000	507000	511000	Tune-up	MPR
Frequency (MHz)				2515	2535	2555	limit	(dB)
30	QPSK	1	1	24.55	24.75	24.65	25.2	0.0
Channel				502500	507000	511500	Tune-up	MPR
Frequency (MHz)				2512.5	2535	2557.5	limit	(dB)
25	QPSK	1	1	24.67	24.69	24.67	25.2	0.0
Channel				502000	507000	512000	Tune-up	MPR
Frequency (MHz)				2510	2535	2550	limit	(dB)
20	QPSK	1	1	24.69	24.69	24.68	25.2	0.0
Channel				501500	507000	512500	Tune-up	MPR
Frequency (MHz)				2507.5	2535	2562.5	limit	(dB)
15	QPSK	1	1	24.67	24.69	24.60	25.2	0.0
Channel				501000	507000	513000	Tune-up	MPR
Frequency (MHz)				2505	2535	2565	limit	(dB)
10	QPSK	1	1	24.69	24.72	24.59	25.2	0.0
Channel				500500	507000	513500	Tune-up	MPR
Frequency (MHz)				2502.5	2535	2567.5	limit	(dB)
5	QPSK	1	1	24.62	24.68	24.67	25.2	0.0

n12 Ant0 DSI 3								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141300	141500	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	1/2 BPSK	1	1	25.10	25.15	25.08		
15	1/2 BPSK	1	40	24.99	25.07	24.99	25.7	0.0
15	1/2 BPSK	1	77	25.04	25.12	25.02		
15	1/2 BPSK	36	0	24.45	24.51	24.46	25.2	0.5
15	1/2 BPSK	36	22	25.06	25.11	25.06	25.7	0.0
15	1/2 BPSK	36	43	24.39	24.45	24.43	25.2	0.5
15	1/2 BPSK	75	0	24.46	24.54	24.53		
15	QPSK	1	1	25.14	25.17	25.16		
15	QPSK	1	40	24.95	25.02	24.92	25.7	0.0
15	QPSK	1	77	25.09	25.15	25.09		
15	QPSK	36	0	23.95	24.01	23.90	24.7	1.0
15	QPSK	36	22	25.01	25.10	25.05	25.7	0.0
15	QPSK	36	43	24.01	24.02	24.00	24.7	1.0
15	QPSK	75	0	23.97	23.96	23.91		
15	16QAM	1	1	23.99	24.07	24.06	24.7	1.0
15	16QAM	1	1	22.42	22.49	22.41	23.2	2.5
15	16QAM	1	1	20.50	20.52	20.48	21.2	4.5
Channel				140800	141500	142200	Tune-up	MPR
Frequency (MHz)				704	707.5	711	limit	(dB)
10	QPSK	1	1	25.12	25.15	25.07	25.7	0.0
Channel				140300	141500	142700	Tune-up	MPR
Frequency (MHz)				701.5	707.5	713.5	limit	(dB)
5	QPSK	1	1	25.03	25.14	25.14	25.7	0.0



n26 Ant0 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				164800	166300	167800			
Frequency (MHz)				824	831.5	839			
20	1/2 BPSK	1	1	25.16	25.26	25.19	25.7	0.0	
20	1/2 BPSK	1	53	25.29	25.23	25.23			
20	1/2 BPSK	1	104	25.26	25.42	25.34			
20	1/2 BPSK	50	0	24.64	24.74	24.64	25.2	0.5	
20	1/2 BPSK	50	28	25.25	25.36	25.27	25.7	0.0	
20	1/2 BPSK	50	56	24.72	24.68	24.64	25.2	0.5	
20	QPSK	1	1	25.36	25.44	25.43			
20	QPSK	1	53	25.29	25.39	25.42	25.7	0.0	
20	QPSK	1	104	25.36	25.37	25.37			
20	QPSK	50	0	24.30	24.30	24.25	24.7	1.0	
20	QPSK	50	28	25.18	25.37	25.32	25.7	0.0	
20	QPSK	50	56	24.17	24.28	24.18	24.7	1.0	
20	QPSK	100	0	24.35	24.35	24.34			
20	16QAM	1	1	24.14	24.22	24.18	24.7	1.0	
20	16QAM	1	1	22.72	22.73	22.86	23.2	2.5	
20	16QAM	1	1	20.41	20.42	20.35	21.2	4.5	
Channel				164300	166300	168300	Tune-up	MPR	
Frequency (MHz)				831.5	831.5	841.5	limit	(dB)	
15	QPSK	1	1	25.31	25.43	25.37	25.7	0.0	
Channel				163800	166300	168800	Tune-up	MPR	
Frequency (MHz)				819	831.5	844	limit	(dB)	
10	QPSK	1	1	25.34	25.33	25.33	25.7	0.0	
Channel				163300	166300	169300	Tune-up	MPR	
Frequency (MHz)				818.5	831.5	845.5	limit	(dB)	
5	QPSK	1	1	25.30	25.35	25.32	25.7	0.0	

n66 Ant0 DSI 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	0	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	1/2 BPSK	1	1	16.53	16.44	16.48	18.2	0.0	
40	1/2 BPSK	1	108	16.64	16.51	16.55			
40	1/2 BPSK	1	214	16.63	16.68	16.59			
40	1/2 BPSK	108	0	16.66	16.63	16.46	18.2	0.0	
40	1/2 BPSK	108	54	16.60	16.61	16.47	18.2	0.0	
40	1/2 BPSK	108	108	16.58	16.58	16.50	18.2	0.0	
40	1/2 BPSK	216	0	16.69	16.57	16.69			
40	QPSK	1	1	16.67	16.73	16.59			
40	QPSK	1	108	16.69	16.60	16.47	18.2	0.0	
40	QPSK	1	214	16.44	16.60	16.67			
40	QPSK	108	0	16.68	16.51	16.68	18.2	0.0	
40	QPSK	108	54	16.45	16.70	16.56	18.2	0.0	
40	QPSK	108	108	16.65	16.65	16.65	18.2	0.0	
40	QPSK	216	0	16.62	16.68	16.65			
40	16QAM	1	1	16.58	16.50	16.57	18.2	0.0	
40	16QAM	1	1	16.53	16.56	16.55	18.2	0.0	
40	16QAM	1	1	16.63	16.60	16.60	18.2	0.0	
Channel				345500	349000	352500	Tune-up	MPR	
Frequency (MHz)				1727.5	1745	1762.5	limit	(dB)	
35	QPSK	1	1	16.59	16.65	16.44	18.2	0.0	
Channel				345000	349000	353000	Tune-up	MPR	
Frequency (MHz)				1725	1745	1760	limit	(dB)	
30	QPSK	1	1	16.63	16.71	16.43	18.2	0.0	
Channel				344500	349000	353500	Tune-up	MPR	
Frequency (MHz)				1722.5	1745	1767.5	limit	(dB)	
25	QPSK	1	1	16.60	16.68	16.43	18.2	0.0	
Channel				344000	349000	354000	Tune-up	MPR	
Frequency (MHz)				1720	1745	1770	limit	(dB)	
20	QPSK	1	1	16.58	16.72	16.44	18.2	0.0	
Channel				343500	349000	354500	Tune-up	MPR	
Frequency (MHz)				1717.5	1745	1772.5	limit	(dB)	
15	QPSK	1	1	16.57	16.72	16.40	18.2	0.0	
Channel				343000	349000	355000	Tune-up	MPR	
Frequency (MHz)				1715	1745	1775	limit	(dB)	
10	QPSK	1	1	16.66	16.63	16.39	18.2	0.0	
Channel				342500	349000	355500	Tune-up	MPR	
Frequency (MHz)				1712.5	1745	1777.5	limit	(dB)	
5	QPSK	1	1	16.65	16.70	16.45	18.2	0.0	



n38 Ant0 Other PA DSI 3								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
	Channel			519004	519000	519996		
	Frequency (MHz)			2590.02	2595	2599.98		
40	1/2 BPS	1	1	24.11	24.33	24.18	24.7	0.0
40	1/2 BPS	1	53	24.28	24.23	24.19		
40	1/2 BPS	1	104	24.28	24.27	24.29		
40	1/2 BPS	50	0	24.22	24.24	24.08	24.7	0.0
40	1/2 BPS	50	28	24.15	24.31	24.14		
40	1/2 BPS	50	56	24.27	24.20	24.16	24.7	0.0
40	1/2 BPS	100	0	24.20	24.25	24.16		
40	QPSK	1	1	24.32	24.24	24.23		
40	QPSK	1	53	24.23	24.31	24.19	24.7	0.0
40	QPSK	1	104	24.15	24.11	24.27		
40	QPSK	50	0	24.25	24.22	24.24	24.7	0.0
40	QPSK	50	28	24.08	24.25	24.10	24.7	0.0
40	QPSK	50	56	24.17	24.17	24.25	24.7	0.0
40	QPSK	100	0	24.09	24.29	24.17		
40	16QAM	1	1	24.23	24.13	24.11	24.7	0.0
40	16QAM	1	1	23.95	23.07	22.97	23.2	1.5
40	256QAM	1	1	20.94	21.03	21.00	21.2	3.5
	Channel			517002	519000	520998	Tune-up	MPR
	Frequency (MHz)			2583.01	2595	2604.99	limit	(dB)
30	1/2 BPS	1	1	24.02	24.27	24.15	24.7	0.0
	Channel			516504	519000	521496	Tune-up	MPR
	Frequency (MHz)			2592.52	2595	2607.48	limit	(dB)
25	1/2 BPS	1	1	24.05	24.24	24.15	24.7	0.0
	Channel			516000	519000	522000	Tune-up	MPR
	Frequency (MHz)			2590	2595	2610	limit	(dB)
20	1/2 BPS	1	1	24.05	24.23	24.15	24.7	0.0
	Channel			515502	519000	522498	Tune-up	MPR
	Frequency (MHz)			2577.51	2595	2612.49	limit	(dB)
15	1/2 BPS	1	1	24.05	24.25	24.13	24.7	0.0
	Channel			515004	519000	522996	Tune-up	MPR
	Frequency (MHz)			2575.02	2595	2614.98	limit	(dB)
10	1/2 BPS	1	1	24.04	24.30	24.17	24.7	0.0

n41 Ant0 Other PA DSI 3								
BW [MHz]	Modulat ion	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	1/2 BPS	1	1	24.19	24.32	24.08		
100	1/2 BPS	1	197	24.21	24.18	24.25	24.7	0.0
100	1/2 BPS	1	271	24.26	24.28	24.21		
100	1/2 BPS	135	0	24.28	24.16	24.06	24.7	0.0
100	1/2 BPS	135	69	24.20	24.30	24.10	24.7	0.0
100	1/2 BPS	135	138	24.23	24.21	24.14	24.7	0.0
100	1/2 BPS	270	0	24.26	24.28	24.23		
100	QPSK	1	1	24.20	24.29	24.22		
100	QPSK	1	137	24.19	24.19	24.16	25.4	0.0
100	QPSK	1	271	24.16	24.13	24.31		
100	QPSK	135	0	24.18	24.15	24.13	24.7	0.0
100	QPSK	135	69	24.16	24.26	24.10	24.7	0.0
100	QPSK	135	138	24.27	24.23	24.27	24.7	0.0
100	QPSK	270	0	24.18	24.27	24.20		
100	16QAM	1	1	24.24	24.15	24.12	24.7	0.0
100	16QAM	1	1	22.99	23.01	22.99	23.2	1.5
100	256QAM	1	1	20.92	21.00	20.98	21.2	3.5
	Channel			508200	518598	528996	Tune-up	MPR
	Frequency (MHz)			2641	2692.99	2644.98	limit	(dB)
50	1/2 BPS	1	1	24.17	24.29	24.02	24.7	0.0
	Channel			507204	518598	529998	Tune-up	MPR
	Frequency (MHz)			2639.02	2692.99	2640.99	limit	(dB)
80	1/2 BPS	1	1	24.09	24.27	24.01	24.7	0.0
	Channel			506202	518598	531000	Tune-up	MPR
	Frequency (MHz)			2631.01	2692.99	2655	limit	(dB)
70	1/2 BPS	1	1	24.13	24.25	24.07	24.7	0.0
	Channel			505200	518598	531996	Tune-up	MPR
	Frequency (MHz)			2626	24.99	2699.98	limit	(dB)
60	1/2 BPS	1	1	24.11	24.27	23.99	24.7	0.0
	Channel			504204	518598	532998	Tune-up	MPR
	Frequency (MHz)			2621.02	2692.99	2664.98	limit	(dB)
50	1/2 BPS	1	1	24.13	24.30	23.97	24.7	0.0
	Channel			503202	518598	534000	Tune-up	MPR
	Frequency (MHz)			2616.04	2692.99	2610	limit	(dB)
40	1/2 BPS	1	1	24.10	24.24	24.02	24.7	0.0
	Channel			502200	518598	534996	Tune-up	MPR
	Frequency (MHz)			2611	2692.99	2674.98	limit	(dB)
30	1/2 BPS	1	1	24.15	24.24	24.01	24.7	0.0
	Channel			502200	518598	534996	Tune-up	MPR
	Frequency (MHz)			2611	2692.99	2674.98	limit	(dB)
25	1/2 BPS	1	1	24.14	24.30	24.02	24.7	0.0
	Channel			501204	518598	535998	Tune-up	MPR
	Frequency (MHz)			2606.02	2692.99	2679.99	limit	(dB)
20	1/2 BPS	1	1	24.08	24.23	24.06	24.7	0.0
	Channel			500700	518598	536496	Tune-up	MPR
	Frequency (MHz)			2600.95	2692.99	2689.48	limit	(dB)
15	1/2 BPS	1	1	24.18	24.21	23.99	24.7	0.0
	Channel			500202	518598	537000	Tune-up	MPR
	Frequency (MHz)			2591.01	2692.99	2685	limit	(dB)
10	1/2 BPS	1	1	24.13	24.26	24.03	24.7	0.0



n5 Ant1 DSI 3									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq. 168800	Power Middle Ch. / Freq. 167500	Power High Ch. / Freq. 167600	Tune-up limit (dBm)	MPR (dB)	
Channel				834	836.5	839			
Frequency (MHz)									
20	1/2 BPSK	1	1	25.12	25.17	25.08			
20	1/2 BPSK	1	53	25.04	25.11	25.05		25.7	0.0
20	1/2 BPSK	1	104	25.03	25.07	25.01			
20	1/2 BPSK	50	0	24.57	24.61	24.59	25.2	0.5	
20	1/2 BPSK	50	28	25.05	25.15	25.14	25.7	0.0	
20	1/2 BPSK	50	56	24.55	24.59	24.55	25.2	0.5	
20	1/2 BPSK	100	0	24.58	24.67	24.57			
20	QPSK	1	1	25.16	25.21	25.11			
20	QPSK	1	53	25.04	25.11	25.03	25.7	0.0	
20	QPSK	1	104	25.11	25.17	25.13			
20	QPSK	50	0	24.05	24.11	24.03	24.7	1.0	
20	QPSK	50	28	25.08	25.11	25.02	25.7	0.0	
20	QPSK	50	56	23.95	24.02	23.97	24.7	1.0	
20	QPSK	100	0	24.01	24.02	24.01			
20	16QAM	1	1	24.11	24.14	24.04	24.7	1.0	
20	16QAM	1	1	22.57	22.81	22.57	23.2	2.5	
20	256QAM	1	1	20.34	20.43	20.41	21.2	4.5	
Channel				168300	167300	168300	Tune-up	MPR	
Frequency (MHz)									
15	QPSK	1	1	331.3	331.3	341.3	limit	(dB)	
Channel				168800	167500	168800	Tune-up	MPR	
Frequency (MHz)									
10	QPSK	1	1	330	331.3	344	limit	(dB)	
Channel				168300	167300	168300	Tune-up	MPR	
Frequency (MHz)									
5	QPSK	1	1	326.3	331.3	346.3	limit	(dB)	
Channel				168000	167500	168000	Tune-up	MPR	
Frequency (MHz)									
5	QPSK	1	1	23.08	23.15	23.04	23.7	1.0	

n7 Ant1 Other PA DSI 3									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq. 514000	Power Middle Ch. / Freq. 507000	Power High Ch. / Freq. 510000	Tune-up limit (dBm)	MPR (dB)	
Channel				2520	2535	2550			
Frequency (MHz)									
40	1/2 BPSK	1	1	21.63	21.67	21.57			
40	1/2 BPSK	1	108	21.77	21.67	21.78	22.2	0.0	
40	1/2 BPSK	1	214	21.66	21.65	21.69			
40	1/2 BPSK	108	0	21.71	21.68	21.58	22.2	0.0	
40	1/2 BPSK	108	54	21.68	21.74	21.62	22.2	0.0	
40	1/2 BPSK	108	108	21.64	21.75	21.65	22.2	0.0	
40	1/2 BPSK	216	0	21.74	21.60	21.80			
40	QPSK	1	1	21.75	21.67	21.70			
40	QPSK	1	108	21.67	21.71	21.63	22.2	0.0	
40	QPSK	1	214	21.59	21.66	21.61			
40	QPSK	108	0	21.68	21.70	21.72	22.2	0.0	
40	QPSK	108	54	21.65	21.65	21.58	22.2	0.0	
40	QPSK	108	108	21.76	21.70	21.66	22.2	0.0	
40	QPSK	216	0	21.57	21.63	21.62			
40	16QAM	1	1	21.84	21.58	21.63	22.2	0.0	
40	16QAM	1	1	21.74	21.69	21.63	22.2	0.0	
40	256QAM	1	1	20.68	20.75	20.67	21.2	1.0	
Channel				503500	507000	510500	Tune-up	MPR	
Frequency (MHz)									
35	QPSK	1	1	217.0	21.80	21.69	22.2	0.0	
Channel				503000	507000	510000	Tune-up	MPR	
Frequency (MHz)									
30	QPSK	1	1	21.69	21.80	21.60	22.2	0.0	
Channel				502500	507000	511500	Tune-up	MPR	
Frequency (MHz)									
25	QPSK	1	1	21.65	21.84	21.50	22.2	0.0	
Channel				502000	507000	512000	Tune-up	MPR	
Frequency (MHz)									
20	QPSK	1	1	21.65	21.82	21.67	22.2	0.0	
Channel				501500	507000	512500	Tune-up	MPR	
Frequency (MHz)									
15	QPSK	1	1	21.70	21.83	21.64	22.2	0.0	
Channel				501000	507000	513000	Tune-up	MPR	
Frequency (MHz)									
10	QPSK	1	1	21.68	21.82	21.62	22.2	0.0	
Channel				500500	507000	513500	Tune-up	MPR	
Frequency (MHz)									
5	QPSK	1	1	21.70	21.82	21.68	22.2	0.0	

n12 Ant1 DSI 3									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq. 141300	Power Middle Ch. / Freq. 141500	Power High Ch. / Freq. 141700	Tune-up limit (dBm)	MPR (dB)	
Channel				708.5	707.5	708.5			
Frequency (MHz)									
15	1/2 BPSK	1	1	24.92	24.98	24.95			
15	1/2 BPSK	1	40	24.85	24.91	24.81	25.7	0.0	
15	1/2 BPSK	1	77	24.85	24.90	24.83			
15	1/2 BPSK	36	0	24.27	24.37	24.35	25.2	0.5	
15	1/2 BPSK	36	22	24.81	24.87	24.76	25.7	0.0	
15	1/2 BPSK	36	43	24.27	24.30	24.28	25.2	0.5	
15	1/2 BPSK	75	0	24.31	24.37	24.29			
15	QPSK	1	1	24.91	25.01	25.00			
15	QPSK	1	40	24.92	24.95	24.92	25.7	0.0	
15	QPSK	1	77	24.83	24.85	24.85			
15	QPSK	36	0	23.91	23.94	23.94	24.7	1.0	
15	QPSK	36	22	24.88	24.92	24.84	25.7	0.0	
15	QPSK	36	43	23.72	23.80	23.70	24.7	1.0	
15	QPSK	75	0	23.84	23.91	23.81			
15	16QAM	1	1	23.89	23.95	23.86	24.7	1.0	
15	16QAM	1	1	22.25	22.32	22.29	23.2	2.5	
15	256QAM	1	1	20.36	20.37	20.35	21.2	4.5	
Channel				140800	141500	142200	Tune-up	MPR	
Frequency (MHz)									
10	QPSK	1	1	704	706.5	711.3	limit	(dB)	
Channel				140300	141500	142700	Tune-up	MPR	
Frequency (MHz)									
5	QPSK	1	1	701.5	706.5	713.3	limit	(dB)	



n26 Ant1 DSI 3								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up (dBm)	MPR (dB)
	Channel			164800	166300	167800		
	Frequency (MHz)			824	831.5	839		
20	1/2 BPSK	1	1	25.23	25.22	25.12		
20	1/2 BPSK	1	53	25.14	25.21	25.08	25.7	0.0
20	1/2 BPSK	1	104	25.06	25.13	25.04		
20	1/2 BPSK	50	0	24.86	24.84	24.70	25.2	0.5
20	1/2 BPSK	50	26	25.10	25.18	25.18	25.7	0.0
20	1/2 BPSK	50	56	24.82	24.83	24.84	25.2	0.5
20	1/2 BPSK	100	0	24.82	24.76	24.80		
20	QPSK	1	1	25.22	25.31	25.17		
20	QPSK	1	53	25.12	25.21	25.09	25.7	0.0
20	QPSK	1	104	25.14	25.27	25.16		
20	QPSK	50	0	24.12	24.15	24.06	24.7	1.0
20	QPSK	50	26	25.12	25.13	25.04	25.7	0.0
20	QPSK	50	56	24.04	24.09	24.05	24.7	1.0
20	QPSK	100	0	24.10	24.17	24.06		
20	16QAM	1	1	24.16	24.20	24.11	24.7	1.0
20	64QAM	1	1	22.80	22.89	22.86	23.2	2.5
20	256QAM	1	1	20.38	20.54	20.44	21.2	4.5
	Channel			164300	166300	168300	Tune-up (dB)	MPR
	Frequency (MHz)			821.5	831.5	841.5	limit	
15	QPSK	1	1	25.11	25.23	25.12	25.7	0.0
	Channel			163800	166300	168800	Tune-up (dB)	MPR
	Frequency (MHz)			819	831.5	844	limit	
10	QPSK	1	1	25.15	25.27	25.09	25.7	0.0
	Channel			163300	166300	168300	Tune-up (dB)	MPR
	Frequency (MHz)			816.5	831.5	846.5	limit	
5	QPSK	1	1	25.14	25.20	25.05	25.7	0.0

n66 Ant1 DSI 3								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up (dBm)	MPR (dB)
	Channel			349000	349000	352000		
	Frequency (MHz)			1730	1745	1760		
40	1/2 BPSK	1	1	17.81	17.55	17.57		
40	1/2 BPSK	1	108	17.59	17.59	17.52	19.0	0.0
40	1/2 BPSK	1	214	17.62	17.56	17.62		
40	1/2 BPSK	108	0	17.83	17.83	17.60	19.0	0.0
40	1/2 BPSK	108	54	17.84	17.81	17.69	19.0	0.0
40	1/2 BPSK	108	108	17.59	17.81	17.55	19.0	0.0
40	1/2 BPSK	216	0	17.84	17.54	17.55		
40	QPSK	1	1	17.59	17.72	17.63		
40	QPSK	1	108	17.46	17.57	17.56	19.0	0.0
40	QPSK	1	214	17.54	17.65	17.66		
40	QPSK	108	0	17.84	17.69	17.56	19.0	0.0
40	QPSK	108	54	17.81	17.71	17.67	19.0	0.0
40	QPSK	108	108	17.66	17.60	17.67	19.0	0.0
40	QPSK	216	0	17.53	17.63	17.53		
40	16QAM	1	1	17.58	17.56	17.59	19.0	0.0
40	64QAM	1	1	17.85	17.55	17.81	19.0	0.0
40	256QAM	1	1	17.36	17.42	17.35	19.0	0.0
	Channel			345000	349000	352000	Tune-up (dB)	MPR
	Frequency (MHz)			1727.5	1745	1762.5	limit	
35	QPSK	1	1	17.65	17.65	17.54	19.0	0.0
	Channel			345000	349000	353000	Tune-up (dB)	MPR
	Frequency (MHz)			1725	1745	1765	limit	
30	QPSK	1	1	17.54	17.62	17.53	19.0	0.0
	Channel			344500	349000	353500	Tune-up (dB)	MPR
	Frequency (MHz)			1722.5	1745	1767.5	limit	
25	QPSK	1	1	17.43	17.65	17.53	19.0	0.0
	Channel			344000	349000	354000	Tune-up (dB)	MPR
	Frequency (MHz)			1720	1745	1770	limit	
20	QPSK	1	1	17.52	17.64	17.53	19.0	0.0
	Channel			343500	349000	354500	Tune-up (dB)	MPR
	Frequency (MHz)			1717.5	1745	1772.5	limit	
15	QPSK	1	1	17.64	17.65	17.57	19.0	0.0
	Channel			343000	349000	355000	Tune-up (dB)	MPR
	Frequency (MHz)			1715	1745	1775	limit	
10	QPSK	1	1	17.54	17.71	17.63	19.0	0.0
	Channel			342500	349000	355500	Tune-up (dB)	MPR
	Frequency (MHz)			1712.5	1745	1777.5	limit	
5	QPSK	1	1	17.67	17.65	17.57	19.0	0.0



Part270 n77 Ant1 Other PA DSI 3 PC2

Table with columns: BW (MHz), Modulat ion, RB Size, RB Offset, Power Low Ch. / Freq., Power Middle Ch. / Freq., Power High Ch. / Freq., Tune-up limit (dBm), MPR (dB). Rows include Frequency (MHz), 1/2 BPSK, QPSK, 16QAM, and 256QAM.

Part27Q n77 Ant1 Other PA DSI 3

Table with columns: BW (MHz), Modulat ion, RB Size, RB Offset, Power Low Ch. / Freq., Power Middle Ch. / Freq., Power High Ch. / Freq., Tune-up limit (dBm), MPR (dB). Rows include Frequency (MHz), 1/2 BPSK, QPSK, 16QAM, and 256QAM.

Part27Q n77 Ant1 Other PA DSI 3 PC2

Table with columns: BW (MHz), Modulat ion, RB Size, RB Offset, Power Low Ch. / Freq., Power Middle Ch. / Freq., Power High Ch. / Freq., Tune-up limit (dBm), MPR (dB). Rows include Frequency (MHz), 1/2 BPSK, QPSK, 16QAM, and 256QAM.

Part270 n78 Ant1 Other PA DSI 3

Table with columns: BW (MHz), Modulat ion, RB Size, RB Offset, Power Low Ch. / Freq., Power Middle Ch. / Freq., Power High Ch. / Freq., Tune-up limit (dBm), MPR (dB). Rows include Frequency (MHz), 1/2 BPSK, QPSK, 16QAM, and 256QAM.



n38 Ant5 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 519004	Power Middle Ch. / Freq. 519000	Power High Ch. / Freq. 519996	Tune-up limit (dBm)	MPR (dB)
				2590.02	2595	2599.98		
40	1/2 BPSK	1	1	25.05	25.15	25.01		
40	1/2 BPSK	1	53	24.94	25.03	24.98		25.7
40	1/2 BPSK	1	104	24.89	24.98	24.96		25.7
40	1/2 BPSK	50	0	24.55	24.64	24.57	25.2	0.5
40	1/2 BPSK	50	28	25.05	25.09	25.05		25.7
40	1/2 BPSK	50	56	24.37	24.41	24.36	25.2	0.5
40	1/2 BPSK	100	0	24.52	24.58	24.53		25.7
40	QPSK	1	1	25.07	25.11	25.07		
40	QPSK	1	53	24.89	24.93	24.88		25.7
40	QPSK	1	104	24.85	24.90	24.86		25.7
40	QPSK	50	0	23.97	24.03	23.99	24.7	1.0
40	QPSK	50	28	24.85	24.91	24.85		25.7
40	QPSK	50	56	23.89	23.91	23.85	24.7	1.0
40	QPSK	100	0	24.07	24.12	24.08		25.7
40	16QAM	1	1	23.93	23.96	23.95	24.7	1.0
40	8QAM	1	1	22.59	22.61	22.52	23.2	2.5
40	256QAM	1	1	20.54	20.55	20.53	21.2	4.5
	Channel			517002	519000	520998	Tune-up limit (dB)	MPR
	Frequency (MHz)			2583.01	2595	2604.99	limit (dB)	
30	QPSK	1	1	24.95	25.15	25.02	25.7	0.0
	Channel			516504	519000	521496	Tune-up limit (dB)	MPR
	Frequency (MHz)			2592.52	2595	2607.48	limit (dB)	
25	QPSK	1	1	25.05	25.10	24.97	25.7	0.0
	Channel			516000	519000	522000	Tune-up limit (dB)	MPR
	Frequency (MHz)			2590	2595	2610	limit (dB)	
20	QPSK	1	1	25.04	25.14	25.03	25.7	0.0
	Channel			515502	519000	522498	Tune-up limit (dB)	MPR
	Frequency (MHz)			2577.51	2595	2612.49	limit (dB)	
15	QPSK	1	1	25.03	25.12	25.03	25.7	0.0
	Channel			515004	519000	522996	Tune-up limit (dB)	MPR
	Frequency (MHz)			2593.02	2595	2614.98	limit (dB)	
10	QPSK	1	1	25.03	25.16	24.98	25.7	0.0

n41 Ant5 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 509202	Power Middle Ch. / Freq. 518598	Power High Ch. / Freq. 528000	Tune-up limit (dBm)	MPR (dB)
				2546.01	2552.99	2640		
100	1/2 BPSK	1	1	24.84	25.05	24.99		
100	1/2 BPSK	1	197	24.94	25.01	24.97		25.7
100	1/2 BPSK	1	271	25.08	25.11	25.07		25.7
100	1/2 BPSK	135	0	24.84	25.05	24.96	25.7	0.0
100	1/2 BPSK	135	69	24.97	25.07	25.05		25.7
100	1/2 BPSK	135	138	25.00	25.09	24.99		25.7
100	1/2 BPSK	270	0	25.04	25.09	25.06		25.7
100	QPSK	1	1	25.16	25.18	25.12		
100	QPSK	1	137	24.95	25.02	24.95		25.7
100	QPSK	1	271	25.04	25.12	25.07		25.7
100	QPSK	135	0	24.95	25.01	24.94	25.7	0.0
100	QPSK	135	69	25.04	25.07	24.97		25.7
100	QPSK	135	138	24.95	25.05	24.97		25.7
100	QPSK	270	0	24.11	24.16	24.12		25.7
100	16QAM	1	1	24.84	24.91	24.85	25.7	0.0
100	8QAM	1	1	24.84	24.96	24.95	25.2	0.5
100	256QAM	1	1	23.38	23.42	23.35	23.7	0.0
	Channel			508200	518598	528996	Tune-up limit (dB)	MPR
	Frequency (MHz)			2541	2552.99	2644.98	limit (dB)	
50	QPSK	1	1	25.06	25.15	25.07	25.7	0.0
	Channel			507204	518598	529998	Tune-up limit (dB)	MPR
	Frequency (MHz)			2536.02	2552.99	2640.99	limit (dB)	
80	QPSK	1	1	25.09	25.13	25.03	25.7	0.0
	Channel			506202	518598	531000	Tune-up limit (dB)	MPR
	Frequency (MHz)			2531.01	2552.99	2655	limit (dB)	
70	QPSK	1	1	25.05	25.15	25.02	25.7	0.0
	Channel			505200	518598	531996	Tune-up limit (dB)	MPR
	Frequency (MHz)			2526	2552.99	2659.99	limit (dB)	
60	QPSK	1	1	25.08	25.11	25.10	25.7	0.0
	Channel			504204	518598	532998	Tune-up limit (dB)	MPR
	Frequency (MHz)			2521.02	2552.99	2664.99	limit (dB)	
50	QPSK	1	1	25.14	25.14	25.03	25.7	0.0
	Channel			503202	518598	534000	Tune-up limit (dB)	MPR
	Frequency (MHz)			2516.04	2552.99	2670	limit (dB)	
40	QPSK	1	1	25.07	25.11	25.07	25.7	0.0
	Channel			502200	518598	534996	Tune-up limit (dB)	MPR
	Frequency (MHz)			2511	2552.99	2674.98	limit (dB)	
30	QPSK	1	1	25.07	25.14	25.10	25.7	0.0
	Channel			502200	518598	534996	Tune-up limit (dB)	MPR
	Frequency (MHz)			2511	2552.99	2674.98	limit (dB)	
25	QPSK	1	1	25.14	25.08	25.07	25.7	0.0
	Channel			501204	518598	535998	Tune-up limit (dB)	MPR
	Frequency (MHz)			2506.02	2552.99	2679.99	limit (dB)	
20	QPSK	1	1	25.14	25.16	25.01	25.7	0.0
	Channel			500700	518598	536496	Tune-up limit (dB)	MPR
	Frequency (MHz)			2501.5	2552.99	2683.48	limit (dB)	
15	QPSK	1	1	25.08	25.10	25.02	25.7	0.0
	Channel			500202	518598	537000	Tune-up limit (dB)	MPR
	Frequency (MHz)			2501.01	2552.99	2685	limit (dB)	
10	QPSK	1	1	25.05	25.11	25.06	25.7	0.0



Part270 n78 Ant6 Default PC2									
BW [MHz]	Modulat ion	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)									
100	1/2 BPSK	1	1	25.51				27.2	0.0
100	1/2 BPSK	1	137	25.45					
100	1/2 BPSK	1	271	25.75					
100	1/2 BPSK	135	0	25.02				26.7	0.5
100	1/2 BPSK	135	69	25.44					
100	1/2 BPSK	135	138	25.07				26.7	0.5
100	1/2 BPSK	270	0	24.95					
100	QPSK	1	1	25.85					
100	QPSK	1	137	25.38				27.2	0.0
100	QPSK	1	271	25.78					
100	QPSK	135	0	24.40				26.2	1.0
100	QPSK	135	69	25.40					
100	QPSK	135	138	24.59				26.2	1.0
100	QPSK	270	0	24.46					
100	16QAM	1	1	24.40				26.2	1.0
100	16QAM	1	1	22.94				24.7	2.5
100	256QAM	1	1	23.91				22.7	4.5
Channel									
Frequency (MHz)									
90	QPSK	1	1	25.91	25.76	25.74	3753.01	lim	(dB)
Channel									
Frequency (MHz)									
80	QPSK	1	1	25.94	25.76	25.91	3763.02	lim	(dB)
Channel									
Frequency (MHz)									
70	QPSK	1	1	25.84	25.76	25.74	3769	lim	(dB)
Channel									
Frequency (MHz)									
60	QPSK	1	1	25.77	25.80	25.91	3770.01	lim	(dB)
Channel									
Frequency (MHz)									
50	QPSK	1	1	25.76	25.77	25.80	3783.02	lim	(dB)
Channel									
Frequency (MHz)									
40	QPSK	1	1	25.94	25.82	25.80	3792.00	lim	(dB)
Channel									
Frequency (MHz)									
30	QPSK	1	1	25.79	25.79	25.74	3793.00	lim	(dB)
Channel									
Frequency (MHz)									
25	QPSK	1	1	25.82	25.83	25.77	3797.00	lim	(dB)
Channel									
Frequency (MHz)									
20	QPSK	1	1	25.74	25.84	25.80	3799.00	lim	(dB)
Channel									
Frequency (MHz)									
15	QPSK	1	1	25.84	25.78	25.78	3799.51	lim	(dB)
Channel									
Frequency (MHz)									
10	QPSK	1	1	25.76	25.82	25.78	3799.51	lim	(dB)

Part27Q n78 Ant6 Default									
BW [MHz]	Modulat ion	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)									
100	1/2 BPSK	1	1	23.81				25.5	0.0
100	1/2 BPSK	1	137	23.77					
100	1/2 BPSK	1	271	24.01					
100	1/2 BPSK	135	0	23.75				25.5	0.0
100	1/2 BPSK	135	69	23.81					
100	1/2 BPSK	135	138	23.89				25.5	0.0
100	1/2 BPSK	270	0	23.83					
100	QPSK	1	1	24.07					
100	QPSK	1	137	23.81				25.5	0.0
100	QPSK	1	271	24.02					
100	QPSK	135	0	23.72				25.5	0.0
100	QPSK	135	69	23.58				25.5	0.0
100	QPSK	135	138	23.89				25.5	0.0
100	QPSK	270	0	23.80					
100	16QAM	1	1	23.73				25.5	0.0
100	16QAM	1	1	23.26				25.0	0.5
100	256QAM	1	1	23.25				23.0	2.5
Channel									
Frequency (MHz)									
90	QPSK	1	1	23.99	24.02	24.00	3509.02	lim	(dB)
Channel									
Frequency (MHz)									
80	QPSK	1	1	24.03	23.98	24.02	3510	lim	(dB)
Channel									
Frequency (MHz)									
70	QPSK	1	1	23.92	23.72	24.03	3513.01	lim	(dB)
Channel									
Frequency (MHz)									
60	QPSK	1	1	24.02	23.93	24.01	3525	lim	(dB)
Channel									
Frequency (MHz)									
50	QPSK	1	1	24.05	23.93	24.01	3525	lim	(dB)
Channel									
Frequency (MHz)									
40	QPSK	1	1	24.00	24.04	24.01	3533.01	lim	(dB)
Channel									
Frequency (MHz)									
30	QPSK	1	1	24.06	24.00	23.99	3539	lim	(dB)
Channel									
Frequency (MHz)									
25	QPSK	1	1	24.05	24.05	24.05	3540	lim	(dB)
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.99	23.97	24.01	3540	lim	(dB)
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.97	24.06	24.00	3542.52	lim	(dB)
Channel									
Frequency (MHz)									
10	QPSK	1	1	24.00	24.04	24.00	3545.01	lim	(dB)

Part27Q n78 Ant6 Default PC2									
BW [MHz]	Modulat ion	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)									
100	1/2 BPSK	1	1	25.66				27.2	0.0
100	1/2 BPSK	1	137	25.58					
100	1/2 BPSK	1	271	25.79					
100	1/2 BPSK	135	0	25.04				26.7	0.5
100	1/2 BPSK	135	69	25.56					
100	1/2 BPSK	135	138	25.27				26.7	0.5
100	1/2 BPSK	270	0	25.11					
100	QPSK	1	1	25.86					
100	QPSK	1	137	25.57				27.2	0.0
100	QPSK	1	271	25.80					
100	QPSK	135	0	24.50				26.2	1.0
100	QPSK	135	69	25.57					
100	QPSK	135	138	24.54				26.2	1.0
100	QPSK	270	0	24.55					
100	16QAM	1	1	24.63				26.2	1.0
100	16QAM	1	1	23.01				24.7	2.5
100	256QAM	1	1	21.10				22.7	4.5
Channel									
Frequency (MHz)									
90	QPSK	1	1	25.78	25.90	25.93	3509.02	lim	(dB)
Channel									
Frequency (MHz)									
80	QPSK	1	1	25.82	25.78	25.77	3510	lim	(dB)
Channel									
Frequency (MHz)									
70	QPSK	1	1	25.79	25.75	25.79	3513.01	lim	(dB)
Channel									
Frequency (MHz)									
60	QPSK	1	1	25.79	25.79	25.83	3525	lim	(dB)
Channel									
Frequency (MHz)									
50	QPSK	1	1	25.89	25.80	25.80	3525	lim	(dB)
Channel									
Frequency (MHz)									
40	QPSK	1	1	25.79	25.78	25.78	3533.01	lim	(dB)
Channel									
Frequency (MHz)									
30	QPSK	1	1	25.79	25.82	25.78	3539	lim	(dB)
Channel									
Frequency (MHz)									
25	QPSK	1	1	25.78	25.78	25.85	3540	lim	(dB)
Channel									
Frequency (MHz)									
20	QPSK	1	1	25.84	25.80	25.84	3540	lim	(dB)
Channel									
Frequency (MHz)									
15	QPSK	1	1	25.82	25.84	25.77	3542.52	lim	(dB)
Channel									
Frequency (MHz)									
10	QPSK	1	1	25.81	25.77	25.85	3545.01	lim	(dB)



Part27Q n77 Ant7 DSI 3 PC2

BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
				3500.01				
100	1/2 BPSK	1	1	21.85			23.0	0.0
100	1/2 BPSK	1	137	22.01				
100	1/2 BPSK	1	271	22.03				
100	1/2 BPSK	135	0	21.91			23.0	0.0
100	1/2 BPSK	135	69	21.99			23.0	0.0
100	1/2 BPSK	135	138	22.05			23.0	0.0
100	1/2 BPSK	270	0	21.96			23.0	0.0
100	QPSK	1	1	22.15				
100	QPSK	1	137	22.01			23.0	0.0
100	QPSK	1	271	22.01			23.0	0.0
100	QPSK	135	0	21.92			23.0	0.0
100	QPSK	135	69	22.11			23.0	0.0
100	QPSK	135	138	21.99			23.0	0.0
100	QPSK	270	0	22.05			23.0	0.0
100	16QAM	1	1	21.87			23.0	0.0
100	16QAM	1	1	22.02			23.0	0.0
100	256QAM	1	1	22.02			23.0	0.0
	Channel			633000	633334	633668	Tune-up	MPR
90	QPSK	1	1	3495	3500.01	3505.02	lim (dB)	0.0
	Channel			632668	633334	634000	Tune-up	MPR
80	QPSK	1	1	3490.02	3500.01	3510	lim (dB)	0.0
	Channel			632334	633334	634334	Tune-up	MPR
70	QPSK	1	1	3485.01	3500.01	3515.01	lim (dB)	0.0
	Channel			632000	633334	634668	Tune-up	MPR
60	QPSK	1	1	3480	3500.01	3520.02	lim (dB)	0.0
	Channel			631668	633334	635000	Tune-up	MPR
50	QPSK	1	1	3475.02	3500.01	3525	lim (dB)	0.0
	Channel			631334	633334	635334	Tune-up	MPR
40	QPSK	1	1	3470.01	3500.01	3530.01	lim (dB)	0.0
	Channel			631000	633334	635668	Tune-up	MPR
30	QPSK	1	1	3465	3500.01	3535.02	lim (dB)	0.0
	Channel			630684	633334	635834	Tune-up	MPR
25	QPSK	1	1	3462.51	3500.01	3537.51	lim (dB)	0.0
	Channel			630368	633334	636000	Tune-up	MPR
20	QPSK	1	1	3460.02	3500.01	3540	lim (dB)	0.0
	Channel			630050	633334	636168	Tune-up	MPR
15	QPSK	1	1	3457.5	3500.01	3542.5	lim (dB)	0.0
	Channel			630334	633334	636334	Tune-up	MPR
10	QPSK	1	1	3455.01	3500.01	3545.01	lim (dB)	0.0

Part27O n78 Ant7 DSI 3

BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
					650000			
100	1/2 BPSK	1	1	19.66				
100	1/2 BPSK	1	137	19.67			20.5	0.0
100	1/2 BPSK	1	271	19.67			20.5	0.0
100	1/2 BPSK	135	0	19.72			20.5	0.0
100	1/2 BPSK	135	69	19.78			20.5	0.0
100	1/2 BPSK	135	138	19.67			20.5	0.0
100	1/2 BPSK	270	0	19.59			20.5	0.0
100	QPSK	1	1	19.67				
100	QPSK	1	137	19.74			20.5	0.0
100	QPSK	1	271	19.67			20.5	0.0
100	QPSK	135	0	19.65			20.5	0.0
100	QPSK	135	69	19.82			20.5	0.0
100	QPSK	135	138	19.78			20.5	0.0
100	QPSK	270	0	19.70			20.5	0.0
100	16QAM	1	1	19.57			20.5	0.0
100	16QAM	1	1	19.69			20.5	0.0
100	256QAM	1	1	19.69			20.5	0.0
	Channel			649688	650000	650334	Tune-up	MPR
90	QPSK	1	1	3745.02	3750	3755.01	lim (dB)	0.0
	Channel			649334	650000	650668	Tune-up	MPR
80	QPSK	1	1	3740.01	3750	3760.02	lim (dB)	0.0
	Channel			649000	650000	651000	Tune-up	MPR
70	QPSK	1	1	3735	3750	3765	lim (dB)	0.0
	Channel			648668	650000	651334	Tune-up	MPR
60	QPSK	1	1	3730.02	3750	3770.01	lim (dB)	0.0
	Channel			648334	650000	651668	Tune-up	MPR
50	QPSK	1	1	3725.01	3750	3775.02	lim (dB)	0.0
	Channel			648000	650000	652000	Tune-up	MPR
40	QPSK	1	1	3720	3750	3780	lim (dB)	0.0
	Channel			647668	650000	652334	Tune-up	MPR
30	QPSK	1	1	3715.02	3750	3785.01	lim (dB)	0.0
	Channel			647334	650000	652668	Tune-up	MPR
25	QPSK	1	1	3712.5	3750	3787.5	lim (dB)	0.0
	Channel			647000	650000	653000	Tune-up	MPR
20	QPSK	1	1	3710.01	3750	3790.02	lim (dB)	0.0
	Channel			646718	650000	652834	Tune-up	MPR
15	QPSK	1	1	3707.52	3750	3792.51	lim (dB)	0.0
	Channel			647000	650000	653000	Tune-up	MPR
10	QPSK	1	1	3705	3750	3795	lim (dB)	0.0

Part27O n78 Ant7 DSI 3 PC2

BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
					650000			
100	1/2 BPSK	1	1	22.17			23.5	0.0
100	1/2 BPSK	1	137	22.33				
100	1/2 BPSK	1	271	22.26				
100	1/2 BPSK	135	0	22.24			23.5	0.0
100	1/2 BPSK	135	69	22.36			23.5	0.0
100	1/2 BPSK	135	138	22.35			23.5	0.0
100	1/2 BPSK	270	0	22.25			23.5	0.0
100	QPSK	1	1	22.44				
100	QPSK	1	137	22.41			23.5	0.0
100	QPSK	1	271	22.16			23.5	0.0
100	QPSK	135	0	22.25			23.5	0.0
100	QPSK	135	69	22.42			23.5	0.0
100	QPSK	135	138	22.33			23.5	0.0
100	QPSK	270	0	22.40			23.5	0.0
100	16QAM	1	1	22.15			23.5	0.0
100	16QAM	1	1	22.24			23.5	0.0
100	256QAM	1	1	22.40			23.5	0.0
	Channel			649688	650000	650334	Tune-up	MPR
90	QPSK	1	1	3745.02	3750	3755.01	lim (dB)	0.0
	Channel			649334	650000	650668	Tune-up	MPR
80	QPSK	1	1	3740.01	3750	3760.02	lim (dB)	0.0
	Channel			649000	650000	651000	Tune-up	MPR
70	QPSK	1	1	3735	3750	3765	lim (dB)	0.0
	Channel			648668	650000	651334	Tune-up	MPR
60	QPSK	1	1	3730.02	3750	3770.01	lim (dB)	0.0
	Channel			648334	650000	651668	Tune-up	MPR
50	QPSK	1	1	3725.01	3750	3775.02	lim (dB)	0.0
	Channel			648000	650000	652000	Tune-up	MPR
40	QPSK	1	1	3720	3750	3780	lim (dB)	0.0
	Channel			647668	650000	652334	Tune-up	MPR
30	QPSK	1	1	3715.02	3750	3785.01	lim (dB)	0.0
	Channel			647334	650000	652668	Tune-up	MPR
25	QPSK	1	1	3712.5	3750	3787.5	lim (dB)	0.0
	Channel			647000	650000	653000	Tune-up	MPR
20	QPSK	1	1	3710.01	3750	3790.02	lim (dB)	0.0
	Channel			646718	650000	652834	Tune-up	MPR
15	QPSK	1	1	3707.52	3750	3792.51	lim (dB)	0.0
	Channel			647000	650000	653000	Tune-up	MPR
10	QPSK	1	1	3705	3750	3795	lim (dB)	0.0



Part27Q n78 Ant7 DSI 3									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel 633334									
Frequency (MHz) 3500.01									
100	1/2 BPSK	1	1	19.63					
100	1/2 BPSK	1	137	19.63					
100	1/2 BPSK	1	271	19.68			20.5	0.0	
100	1/2 BPSK	135	0	19.69			20.5	0.0	
100	1/2 BPSK	135	69	19.67			20.5	0.0	
100	1/2 BPSK	135	138	19.70			20.5	0.0	
100	1/2 BPSK	270	0	19.69			20.5	0.0	
100	QPSK	1	1	19.88					
100	QPSK	1	137	19.83			20.5	0.0	
100	QPSK	1	271	19.84			20.5	0.0	
100	QPSK	135	0	19.74			20.5	0.0	
100	QPSK	135	69	19.83			20.5	0.0	
100	QPSK	135	138	19.76			20.5	0.0	
100	QPSK	270	0	19.77			20.5	0.0	
100	16QAM	1	1	19.69			20.5	0.0	
100	16QAM	1	1	19.73			20.5	0.0	
100	256QAM	1	1	19.74			20.5	0.0	
Channel 633000 633334 633668 Tune-up MPR									
Frequency (MHz) 3495 3500.01 3505.02 limit (dB) 20.5 0.0									
90	QPSK	1	1						
Channel 632668 633334 634000 Tune-up MPR									
Frequency (MHz) 3490.02 3500.01 3510 limit (dB) 20.5 0.0									
80	QPSK	1	1						
Channel 632334 633334 634334 Tune-up MPR									
Frequency (MHz) 3485.01 3500.01 3515.01 limit (dB) 20.5 0.0									
70	QPSK	1	1						
Channel 632000 633334 634668 Tune-up MPR									
Frequency (MHz) 3480 3500.01 3520.02 limit (dB) 20.5 0.0									
60	QPSK	1	1						
Channel 631668 633334 635000 Tune-up MPR									
Frequency (MHz) 3475.02 3500.01 3525 limit (dB) 20.5 0.0									
50	QPSK	1	1						
Channel 631334 633334 635334 Tune-up MPR									
Frequency (MHz) 3470.01 3500.01 3530.01 limit (dB) 20.5 0.0									
40	QPSK	1	1						
Channel 631000 633334 635668 Tune-up MPR									
Frequency (MHz) 3465 3500.01 3535.02 limit (dB) 20.5 0.0									
30	QPSK	1	1						
Channel 630834 633334 635834 Tune-up MPR									
Frequency (MHz) 3462.51 3500.01 3537.51 limit (dB) 20.5 0.0									
25	QPSK	1	1						
Channel 630668 633334 636000 Tune-up MPR									
Frequency (MHz) 3460.02 3500.01 3540 limit (dB) 20.5 0.0									
20	QPSK	1	1						
Channel 630500 633334 636168 Tune-up MPR									
Frequency (MHz) 3457.5 3500.01 3542.52 limit (dB) 20.5 0.0									
15	QPSK	1	1						
Channel 630334 633334 636334 Tune-up MPR									
Frequency (MHz) 3455.01 3500.01 3545.01 limit (dB) 20.5 0.0									
10	QPSK	1	1						

Part27Q n78 Ant7 DSI 3 PC2									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel 633334									
Frequency (MHz) 3500.01									
100	1/2 BPSK	1	1	22.31					
100	1/2 BPSK	1	137	22.40					
100	1/2 BPSK	1	271	22.43			23.5	0.0	
100	1/2 BPSK	135	0	22.40			23.5	0.0	
100	1/2 BPSK	135	69	22.34			23.5	0.0	
100	1/2 BPSK	135	138	22.35			23.5	0.0	
100	1/2 BPSK	270	0	22.36			23.5	0.0	
100	QPSK	1	1	22.51					
100	QPSK	1	137	22.48			23.5	0.0	
100	QPSK	1	271	22.28			23.5	0.0	
100	QPSK	135	0	22.33			23.5	0.0	
100	QPSK	135	69	22.49			23.5	0.0	
100	QPSK	135	138	22.48			23.5	0.0	
100	QPSK	270	0	22.42			23.5	0.0	
100	16QAM	1	1	22.27			23.5	0.0	
100	16QAM	1	1	22.31			23.5	0.0	
100	256QAM	1	1	22.41			23.5	0.0	
Channel 633000 633334 633668 Tune-up MPR									
Frequency (MHz) 3495 3500.01 3505.02 limit (dB) 23.5 0.0									
90	QPSK	1	1						
Channel 632668 633334 634000 Tune-up MPR									
Frequency (MHz) 3490.02 3500.01 3510 limit (dB) 23.5 0.0									
80	QPSK	1	1						
Channel 632334 633334 634334 Tune-up MPR									
Frequency (MHz) 3485.01 3500.01 3515.01 limit (dB) 23.5 0.0									
70	QPSK	1	1						
Channel 632000 633334 634668 Tune-up MPR									
Frequency (MHz) 3480 3500.01 3520.02 limit (dB) 23.5 0.0									
60	QPSK	1	1						
Channel 631668 633334 635000 Tune-up MPR									
Frequency (MHz) 3475.02 3500.01 3525 limit (dB) 23.5 0.0									
50	QPSK	1	1						
Channel 631334 633334 635334 Tune-up MPR									
Frequency (MHz) 3470.01 3500.01 3530.01 limit (dB) 23.5 0.0									
40	QPSK	1	1						
Channel 631000 633334 635668 Tune-up MPR									
Frequency (MHz) 3465 3500.01 3535.02 limit (dB) 23.5 0.0									
30	QPSK	1	1						
Channel 630834 633334 635834 Tune-up MPR									
Frequency (MHz) 3462.51 3500.01 3537.51 limit (dB) 23.5 0.0									
25	QPSK	1	1						
Channel 630668 633334 636000 Tune-up MPR									
Frequency (MHz) 3460.02 3500.01 3540 limit (dB) 23.5 0.0									
20	QPSK	1	1						
Channel 630500 633334 636168 Tune-up MPR									
Frequency (MHz) 3457.5 3500.01 3542.52 limit (dB) 23.5 0.0									
15	QPSK	1	1						
Channel 630334 633334 636334 Tune-up MPR									
Frequency (MHz) 3455.01 3500.01 3545.01 limit (dB) 23.5 0.0									
10	QPSK	1	1						



Part96 n48 Ant8 Default

Table with columns: BW [MHz], Modulation, Channel, RB Size, RB Offset, Power Low Ch./Freq., Power Middle Ch./Freq., Power High Ch./Freq., Tune-up limit (dBm), MPR (dB). Rows include various modulation schemes like 1/2 BPSK, 1/2 QPSK, 1/2 OFDM, etc.

Part270 n77 Ant8 Other PA Default

Table with columns: BW [MHz], Modulation, Channel, RB Size, RB Offset, Power Low Ch./Freq., Power Middle Ch./Freq., Power High Ch./Freq., Tune-up limit (dBm), MPR (dB). Rows include various modulation schemes like 1/2 BPSK, 1/2 QPSK, 1/2 OFDM, etc.

Part270 n77 Ant8 Other PA Default PC2

Table with columns: BW [MHz], Modulation, Channel, RB Size, RB Offset, Power Low Ch./Freq., Power Middle Ch./Freq., Power High Ch./Freq., Tune-up limit (dBm), MPR (dB). Rows include various modulation schemes like 1/2 BPSK, 1/2 QPSK, 1/2 OFDM, etc.

Part27Q n77 Ant8 Other PA Default

Table with columns: BW [MHz], Modulation, Channel, RB Size, RB Offset, Power Low Ch./Freq., Power Middle Ch./Freq., Power High Ch./Freq., Tune-up limit (dBm), MPR (dB). Rows include various modulation schemes like 1/2 BPSK, 1/2 QPSK, 1/2 OFDM, etc.



Part27Q n78 Ant8 Other PA Default

BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel 63334								
Frequency (MHz) 3500.01								
100	1/2 BPSK	1	1	23.11				
100	1/2 BPSK	1	137	23.05			25.0	0.0
100	1/2 BPSK	1	271	23.09				
100	1/2 BPSK	135	0	23.20			25.0	0.0
100	1/2 BPSK	135	69	23.17			25.0	0.0
100	1/2 BPSK	135	138	23.15			25.0	0.0
100	1/2 BPSK	270	0	23.05			25.0	0.0
100	QPSK	1	1	23.31				
100	QPSK	1	137	23.01			25.0	0.0
100	QPSK	1	271	23.07				
100	QPSK	135	0	23.23			25.0	0.0
100	QPSK	135	69	23.25			25.0	0.0
100	QPSK	135	138	23.07			25.0	0.0
100	QPSK	270	0	23.07			25.0	0.0
100	16QAM	1	1	23.09			25.0	0.0
100	16QAM	1	1	22.88			24.5	0.5
100	256QAM	1	1	21.40			21.5	2.5
Channel 63300								
Frequency (MHz) 3495								
90	QPSK	1	1	23.22	23.20	23.23	25.0	0.0
Channel 63268								
Frequency (MHz) 3430.02								
80	QPSK	1	1	23.23	23.23	23.29	25.0	0.0
Channel 63234								
Frequency (MHz) 3428.01								
70	QPSK	1	1	23.27	23.20	23.29	25.0	0.0
Channel 63200								
Frequency (MHz) 3449								
60	QPSK	1	1	23.25	23.20	23.29	25.0	0.0
Channel 63168								
Frequency (MHz) 3475.02								
50	QPSK	1	1	23.24	23.29	23.25	25.0	0.0
Channel 63134								
Frequency (MHz) 3470.01								
40	QPSK	1	1	23.27	23.24	23.27	25.0	0.0
Channel 63100								
Frequency (MHz) 3468								
30	QPSK	1	1	23.24	23.21	23.25	25.0	0.0
Channel 63068								
Frequency (MHz) 3462.81								
25	QPSK	1	1	23.21	23.20	23.27	25.0	0.0
Channel 63034								
Frequency (MHz) 3450.80								
20	QPSK	1	1	23.27	23.21	23.29	25.0	0.0
Channel 63000								
Frequency (MHz) 3457.5								
15	QPSK	1	1	23.22	23.21	23.21	25.0	0.0
Channel 63034								
Frequency (MHz) 3455.01								
10	QPSK	1	1	23.23	23.29	23.25	25.0	0.0

Part27Q n78 Ant8 Other PA Default PC2

BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel 63334								
Frequency (MHz) 3500.01								
100	1/2 BPSK	1	1	25.40				
100	1/2 BPSK	1	137	25.15			26.0	0.0
100	1/2 BPSK	1	271	24.90				
100	1/2 BPSK	135	0	24.80			25.5	0.5
100	1/2 BPSK	135	69	25.13			26.0	0.0
100	1/2 BPSK	135	138	24.89			25.5	0.5
100	1/2 BPSK	270	0	24.62			25.0	0.0
100	QPSK	1	1	25.48				
100	QPSK	1	137	25.17			26.0	0.0
100	QPSK	1	271	24.95				
100	QPSK	135	0	24.95			25.0	1.0
100	QPSK	135	69	25.10			26.0	0.0
100	QPSK	135	138	24.14			25.0	1.0
100	QPSK	270	0	24.19			25.0	1.0
100	16QAM	1	1	24.36			25.0	1.0
100	16QAM	1	1	22.82			23.5	2.5
100	256QAM	1	1	20.92			21.5	4.5
Channel 63300								
Frequency (MHz) 3495								
90	QPSK	1	1	25.42	25.45	25.43	26.0	0.0
Channel 63268								
Frequency (MHz) 3430.02								
80	QPSK	1	1	25.39	25.38	25.46	26.0	0.0
Channel 63234								
Frequency (MHz) 3428.01								
70	QPSK	1	1	25.33	25.39	25.46	26.0	0.0
Channel 63200								
Frequency (MHz) 3449								
60	QPSK	1	1	25.43	25.40	25.41	26.0	0.0
Channel 63168								
Frequency (MHz) 3475.02								
50	QPSK	1	1	25.43	25.41	25.44	26.0	0.0
Channel 63134								
Frequency (MHz) 3470.01								
40	QPSK	1	1	25.38	25.37	25.42	26.0	0.0
Channel 63100								
Frequency (MHz) 3468								
30	QPSK	1	1	25.44	25.46	25.41	26.0	0.0
Channel 63068								
Frequency (MHz) 3462.81								
25	QPSK	1	1	25.42	25.44	25.44	26.0	0.0
Channel 63034								
Frequency (MHz) 3450.80								
20	QPSK	1	1	25.38	25.39	25.45	26.0	0.0
Channel 63000								
Frequency (MHz) 3457.5								
15	QPSK	1	1	25.45	25.45	25.37	26.0	0.0
Channel 63034								
Frequency (MHz) 3455.01								
10	QPSK	1	1	25.37	25.44	25.38	26.0	0.0



n5 Ant0 Default							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)				168800	167950	167800	
20	1/2 BPSK	1	1	22.22	22.29	22.23	
20	1/2 BPSK	1	83	22.39	22.33	22.35	22.7 0.0
20	1/2 BPSK	1	104	22.30	22.39	22.36	
20	1/2 BPSK	50	0	22.43	22.30	22.15	22.7 0.0
20	1/2 BPSK	50	29	22.31	22.29	22.17	22.7 0.0
20	1/2 BPSK	50	56	22.31	22.33	22.14	22.7 0.0
20	1/2 BPSK	100	0	22.27	22.22	22.29	
20	QPSK	1	1	22.38	22.45	22.21	
20	QPSK	1	83	22.36	22.39	22.21	22.7 0.0
20	QPSK	1	104	22.19	22.40	22.29	
20	QPSK	50	0	22.27	22.32	22.38	22.7 0.0
20	QPSK	50	28	22.28	22.40	22.23	22.7 0.0
20	QPSK	50	56	22.29	22.35	22.27	22.7 0.0
20	QPSK	100	0	22.20	22.38	22.28	
20	16QAM	1	1	22.34	22.21	22.18	22.7 0.0
20	16QAM	1	1	22.26	22.33	22.21	22.7 0.0
20	256QAM	1	1	20.30	20.40	20.33	21.2 1.5
Channel							
Frequency (MHz)				168300	167300	168300	Tune-up limit (dB) MPR (dB)
15	QPSK	1	1	22.26	22.34	22.13	22.7 0.0
Channel							
Frequency (MHz)				168800	167300	168800	Tune-up limit (dB) MPR (dB)
10	QPSK	1	1	22.29	22.35	22.15	22.7 0.0
Channel							
Frequency (MHz)				168300	167300	169300	Tune-up limit (dB) MPR (dB)
5	QPSK	1	1	22.31	22.38	22.10	22.7 0.0

Reduced Power Mode for SA DSI 4

n7 Ant0 Other PA Default							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)				504000	507000	510000	
Frequency (MHz)				2520	2535	2550	
40	1/2 BPSK	1	1	17.09	17.20	17.18	
40	1/2 BPSK	1	108	17.27	17.13	17.18	17.7 0.0
40	1/2 BPSK	1	214	17.28	17.21	17.28	
40	1/2 BPSK	108	0	17.27	17.16	17.08	17.7 0.0
40	1/2 BPSK	108	54	17.13	17.29	17.09	17.7 0.0
40	1/2 BPSK	108	108	17.18	17.18	17.12	17.7 0.0
40	1/2 BPSK	216	0	17.26	17.17	17.21	
40	QPSK	1	1	17.22	17.35	17.27	
40	QPSK	1	108	17.19	17.28	17.17	17.7 0.0
40	QPSK	1	214	17.12	17.09	17.18	
40	QPSK	108	0	17.12	17.22	17.15	17.7 0.0
40	QPSK	108	54	17.17	17.33	17.22	17.7 0.0
40	QPSK	108	108	17.20	17.28	17.22	17.7 0.0
40	QPSK	216	0	17.12	17.28	17.12	
40	16QAM	1	1	17.19	17.06	17.09	17.7 0.0
40	16QAM	1	1	17.12	17.10	17.07	17.7 0.0
40	256QAM	1	1	17.22	17.28	17.19	17.7 0.0
Channel							
Frequency (MHz)				503500	507000	510500	Tune-up limit (dB) MPR (dB)
35	QPSK	1	1	17.17	17.27	17.20	17.7 0.0
Channel							
Frequency (MHz)				503000	507000	511000	Tune-up limit (dB) MPR (dB)
30	QPSK	1	1	17.12	17.27	17.24	17.7 0.0
Channel							
Frequency (MHz)				502500	507000	511500	Tune-up limit (dB) MPR (dB)
25	QPSK	1	1	17.15	17.28	17.25	17.7 0.0
Channel							
Frequency (MHz)				502000	507000	512000	Tune-up limit (dB) MPR (dB)
20	QPSK	1	1	17.18	17.25	17.20	17.7 0.0
Channel							
Frequency (MHz)				501500	507000	512500	Tune-up limit (dB) MPR (dB)
15	QPSK	1	1	17.13	17.32	17.17	17.7 0.0
Channel							
Frequency (MHz)				501000	507000	513000	Tune-up limit (dB) MPR (dB)
10	QPSK	1	1	17.18	17.29	17.25	17.7 0.0
Channel							
Frequency (MHz)				500500	507000	513500	Tune-up limit (dB) MPR (dB)
5	QPSK	1	1	17.16	17.28	17.24	17.7 0.0

n12 Ant0 Default							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)				141300	141500	141700	
Frequency (MHz)				706.5	707.5	708.5	
15	1/2 BPSK	1	1	22.48	22.49	22.40	
15	1/2 BPSK	1	40	22.58	22.49	22.54	23.2 0.0
15	1/2 BPSK	1	77	22.46	22.55	22.55	
15	1/2 BPSK	36	0	22.53	22.46	22.39	23.2 0.0
15	1/2 BPSK	36	22	22.53	22.54	22.34	23.2 0.0
15	1/2 BPSK	36	43	22.46	22.41	22.42	23.2 0.0
15	1/2 BPSK	75	0	22.57	22.35	22.51	
15	QPSK	1	1	22.60	22.68	22.41	
15	QPSK	1	40	22.47	22.51	22.40	23.2 0.0
15	QPSK	1	77	22.38	22.47	22.46	
15	QPSK	36	0	22.42	22.40	22.49	23.2 0.0
15	QPSK	36	22	22.50	22.64	22.58	23.2 0.0
15	QPSK	36	43	22.59	22.55	22.52	23.2 0.0
15	QPSK	75	0	22.54	22.61	22.43	
15	16QAM	1	1	22.47	22.49	22.52	23.2 0.0
15	16QAM	1	1	22.49	22.50	22.39	23.2 0.0
15	256QAM	1	1	20.50	20.52	20.49	21.2 2.0
Channel							
Frequency (MHz)				140800	141500	142200	Tune-up limit (dB) MPR (dB)
10	QPSK	1	1	22.51	22.64	22.40	23.2 0.0
Channel							
Frequency (MHz)				701.5	701.5	701.5	Tune-up limit (dB) MPR (dB)
5	QPSK	1	1	22.56	22.66	22.36	23.2 0.0



n26 Ant0 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	1/2 BPSK	1	1	22.30	22.33	22.27	22.7	0.0
20	1/2 BPSK	1	53	22.48	22.35	22.42	22.7	0.0
20	1/2 BPSK	1	104	22.32	22.50	22.45	22.7	0.0
20	1/2 BPSK	50	0	22.47	22.39	22.21	22.7	0.0
20	1/2 BPSK	50	23	22.33	22.31	22.23	22.7	0.0
20	1/2 BPSK	50	56	22.32	22.40	22.21	22.7	0.0
20	1/2 BPSK	100	0	22.34	22.28	22.34	22.7	0.0
20	QPSK	1	1	22.42	22.51	22.24	22.7	0.0
20	QPSK	1	53	22.43	22.49	22.30	22.7	0.0
20	QPSK	1	104	22.23	22.25	22.37	22.7	0.0
20	QPSK	50	0	22.34	22.35	22.41	22.7	0.0
20	QPSK	50	28	22.34	22.45	22.32	22.7	0.0
20	QPSK	50	56	22.32	22.44	22.37	22.7	0.0
20	QPSK	100	0	22.28	22.42	22.37	22.7	0.0
20	16QAM	1	1	22.39	22.30	22.20	22.7	0.0
20	16QAM	1	1	22.32	22.35	22.30	22.7	0.0
20	256QAM	1	1	20.41	20.42	20.35	21.2	1.5
Channel				164300	166300	168300	Tune-up	MPR
Frequency (MHz)				811.5	811.5	811.5	limit	(dB)
15	QPSK	1	1	22.40	22.44	22.23	22.7	0.0
Channel				163800	166300	168800	Tune-up	MPR
Frequency (MHz)				810	811.5	814	limit	(dB)
10	QPSK	1	1	22.32	22.45	22.20	22.7	0.0
Channel				163300	166300	169300	Tune-up	MPR
Frequency (MHz)				816.5	811.5	816.5	limit	(dB)
5	QPSK	1	1	22.37	22.45	22.16	22.7	0.0

n66 Ant0 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	1/2 BPSK	1	1	10.62	10.45	10.58	12.2	0.0
40	1/2 BPSK	1	108	10.63	10.54	10.68	12.2	0.0
40	1/2 BPSK	1	214	10.66	10.55	10.59	12.2	0.0
40	1/2 BPSK	108	0	10.69	10.56	10.54	12.2	0.0
40	1/2 BPSK	108	54	10.59	10.55	10.50	12.2	0.0
40	1/2 BPSK	108	108	10.67	10.62	10.43	12.2	0.0
40	1/2 BPSK	216	0	10.55	10.54	10.67	12.2	0.0
40	QPSK	1	1	10.61	10.74	10.52	12.2	0.0
40	QPSK	1	108	10.68	10.61	10.47	12.2	0.0
40	QPSK	1	214	10.54	10.46	10.59	12.2	0.0
40	QPSK	108	0	10.56	10.55	10.58	12.2	0.0
40	QPSK	108	54	10.64	10.71	10.58	12.2	0.0
40	QPSK	108	108	10.66	10.64	10.65	12.2	0.0
40	QPSK	216	0	10.50	10.65	10.50	12.2	0.0
40	16QAM	1	1	10.55	10.56	10.47	12.2	0.0
40	16QAM	1	1	10.54	10.55	10.65	12.2	0.0
40	256QAM	1	1	10.54	10.68	10.62	12.2	0.0
Channel				345500	349000	352500	Tune-up	MPR
Frequency (MHz)				1722.5	1745	1762.5	limit	(dB)
35	QPSK	1	1	10.51	10.71	10.44	12.2	0.0
Channel				345000	349000	353000	Tune-up	MPR
Frequency (MHz)				1720	1745	1765	limit	(dB)
30	QPSK	1	1	10.60	10.70	10.43	12.2	0.0
Channel				344500	349000	353500	Tune-up	MPR
Frequency (MHz)				1717.5	1745	1772.5	limit	(dB)
25	QPSK	1	1	10.58	10.65	10.43	12.2	0.0
Channel				344000	349000	354000	Tune-up	MPR
Frequency (MHz)				1720	1745	1770	limit	(dB)
20	QPSK	1	1	10.51	10.71	10.47	12.2	0.0
Channel				343500	349000	354500	Tune-up	MPR
Frequency (MHz)				1717.5	1745	1772.5	limit	(dB)
15	QPSK	1	1	10.53	10.66	10.44	12.2	0.0
Channel				343000	349000	355000	Tune-up	MPR
Frequency (MHz)				1715	1745	1775	limit	(dB)
10	QPSK	1	1	10.56	10.71	10.44	12.2	0.0
Channel				342500	349000	355500	Tune-up	MPR
Frequency (MHz)				1712.5	1745	1777.5	limit	(dB)
5	QPSK	1	1	10.53	10.64	10.46	12.2	0.0



n38 Ant0 Other PA Default								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
	Channel			2590.02	2595	2599.98		
40	1/2 BPS	1	1	17.49	17.58	17.40	17.7	0.0
40	1/2 BPS	1	53	17.38	17.41	17.38		
40	1/2 BPS	1	104	17.36	17.45	17.41		
40	1/2 BPS	50	0	17.47	17.47	17.26	17.7	0.0
40	1/2 BPS	50	28	17.43	17.54	17.48	17.7	0.0
40	1/2 BPS	50	56	17.34	17.34	17.33	17.7	0.0
40	1/2 BPS	100	0	17.46	17.51	17.49		
40	QPSK	1	1	17.45	17.51	17.38		
40	QPSK	1	53	17.45	17.45	17.29	17.7	0.0
40	QPSK	1	104	17.22	17.39	17.46		
40	QPSK	50	0	17.35	17.42	17.48	17.7	0.0
40	QPSK	50	28	17.28	17.46	17.29	17.7	0.0
40	QPSK	50	56	17.34	17.40	17.51	17.7	0.0
40	QPSK	100	0	17.42	17.47	17.32		
40	16QAM	1	1	17.48	17.39	17.27	17.7	0.0
40	8QAM	1	1	17.29	17.39	17.25	17.7	0.0
40	256QAM	1	1	17.39	17.50	17.39	17.7	0.0
	Channel			517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			2583.01	2595	2604.99	17.7	0.0
30	1/2 BPS	1	1	17.44	17.54	17.27	17.7	0.0
	Channel			518504	519000	521498	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			2592.52	2595	2607.48	17.7	0.0
25	1/2 BPS	1	1	17.33	17.47	17.31	17.7	0.0
	Channel			518000	519000	522000	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			2590	2595	2610	17.7	0.0
20	1/2 BPS	1	1	17.45	17.51	17.29	17.7	0.0
	Channel			515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			2577.51	2595	2612.49	17.7	0.0
15	1/2 BPS	1	1	17.47	17.51	17.33	17.7	0.0
	Channel			515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			2593.02	2595	2614.98	17.7	0.0
10	1/2 BPS	1	1	17.43	17.54	17.33	17.7	0.0

n41 Ant0 Other PA Default								
BW [MHz]	Modulat ion	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	2552.99	2640		
100	1/2 BPS	1	1	17.87	17.92	17.81		
100	1/2 BPS	1	197	17.84	17.85	17.82	18.2	0.0
100	1/2 BPS	1	271	17.85	17.87	17.86		
100	1/2 BPS	135	0	17.82	17.72	17.74	18.2	0.0
100	1/2 BPS	135	69	17.83	17.88	17.71	18.2	0.0
100	1/2 BPS	135	138	17.78	17.74	17.69	18.2	0.0
100	1/2 BPS	270	0	17.68	17.65	17.83		
100	QPSK	1	1	17.88	17.89	17.73		
100	QPSK	1	137	17.75	17.87	17.82	18.2	0.0
100	QPSK	1	271	17.72	17.81	17.84		
100	QPSK	135	0	17.68	17.82	17.88	18.2	0.0
100	QPSK	135	69	17.75	17.82	17.76	18.2	0.0
100	QPSK	135	138	17.74	17.89	17.86	18.2	0.0
100	QPSK	270	0	17.70	17.77	17.74		
100	16QAM	1	1	17.78	17.65	17.82	18.2	0.0
100	8QAM	1	1	17.78	17.77	17.80	18.2	0.0
100	256QAM	1	1	17.77	17.84	17.87	18.2	0.0
	Channel			508200	518998	528996	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			2541	2552.99	2644.98	17.7	0.0
50	1/2 BPS	1	1	17.53	17.57	17.73	18.2	0.0
	Channel			507204	518998	529998	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			2538.02	2552.99	2648.99	17.7	0.0
80	1/2 BPS	1	1	17.50	17.50	17.79	18.2	0.0
	Channel			506202	518998	531000	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			2531.01	2552.99	2655	17.7	0.0
70	1/2 BPS	1	1	17.73	17.50	17.76	18.2	0.0
	Channel			505200	518998	531996	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			2526	2549	2659.98	17.7	0.0
60	1/2 BPS	1	1	17.77	17.53	17.73	18.2	0.0
	Channel			504204	518998	532998	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			2521.02	2552.99	2664.99	17.7	0.0
50	1/2 BPS	1	1	17.52	17.51	17.78	18.2	0.0
	Channel			503202	518998	534000	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			2518.01	2552.99	2670	17.7	0.0
40	1/2 BPS	1	1	17.73	17.58	17.72	18.2	0.0
	Channel			502200	518998	534998	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			2511	2552.99	2674.98	17.7	0.0
30	1/2 BPS	1	1	17.78	17.51	17.77	18.2	0.0
	Channel			502200	518998	534998	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			2506.02	2552.99	2679.99	17.7	0.0
25	1/2 BPS	1	1	17.84	17.83	17.75	18.2	0.0
	Channel			501204	518998	535998	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			2506.02	2552.99	2684.99	17.7	0.0
20	1/2 BPS	1	1	17.85	17.50	17.73	18.2	0.0
	Channel			500700	518998	536498	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			2500.5	2552.99	2689.48	17.7	0.0
15	1/2 BPS	1	1	17.82	17.88	17.78	18.2	0.0
	Channel			500202	518998	537000	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			2501.01	2552.99	2695	17.7	0.0
10	1/2 BPS	1	1	17.85	17.85	17.78	18.2	0.0



n5 Ant1 DSI 4								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. F.Freq. 168800	Power Middle Ch. F.Freq. 167500	Power High Ch. F.Freq. 167600	Tune-up limit (dBm)	MPR (dB)
Channel				834	836.5	839		
20	1/2 BPSK	1	1	21.17	21.11	21.17		
20	1/2 BPSK	1	53	21.22	21.22	21.08	21.7	0.0
20	1/2 BPSK	1	104	21.17	21.17	21.23		
20	1/2 BPSK	50	0	21.16	21.17	21.08	21.7	0.0
20	1/2 BPSK	50	26	21.18	21.14	21.16	21.7	0.0
20	1/2 BPSK	50	56	21.08	21.17	21.08	21.7	0.0
20	1/2 BPSK	100	0	21.14	21.15	21.10		
20	QPSK	1	1	21.21	21.26	21.15		
20	QPSK	1	53	21.04	21.16	21.10	21.7	0.0
20	QPSK	1	104	21.05	21.19	21.16		
20	QPSK	50	0	21.17	21.22	21.15	21.7	0.0
20	QPSK	50	26	21.15	21.23	21.09	21.7	0.0
20	QPSK	50	56	21.16	21.14	21.17	21.7	0.0
20	QPSK	100	0	21.10	21.21	21.13		
20	16QAM	1	1	21.09	21.15	21.16	21.7	0.0
20	16QAM	1	1	21.22	21.06	21.16	21.7	0.0
20	256QAM	1	1	20.94	20.43	20.41	21.2	0.5
Channel				168300	167300	168300	Tune-up	MPR
15	QPSK	1	1	831.5	836.5	841.5	limit (dB)	
Channel				168800	167500	168800	Tune-up	MPR
10	QPSK	1	1	829	836.5	844	limit (dB)	
Channel				168300	167500	168300	Tune-up	MPR
5	QPSK	1	1	826.5	836.5	846.5	limit (dB)	
Channel				168300	167500	168300	Tune-up	MPR
5	QPSK	1	1	2117	2122	21.05	21.7	0.0

n7 Ant1 Other PA DSI 4								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. F.Freq. 504000	Power Middle Ch. F.Freq. 507000	Power High Ch. F.Freq. 510000	Tune-up limit (dBm)	MPR (dB)
Channel				2520	2535	2550		
40	1/2 BPSK	1	1	21.28	21.09	21.24		
40	1/2 BPSK	1	108	21.28	21.23	21.20	21.7	0.0
40	1/2 BPSK	1	214	21.21	21.15	21.25		
40	1/2 BPSK	108	0	21.21	21.24	21.15	21.7	0.0
40	1/2 BPSK	108	54	21.23	21.20	21.25	21.7	0.0
40	1/2 BPSK	108	108	21.17	21.27	21.18	21.7	0.0
40	1/2 BPSK	216	0	21.21	21.22	21.15		
40	QPSK	1	1	21.20	21.33	21.23		
40	QPSK	1	108	21.13	21.18	21.69	21.7	0.0
40	QPSK	1	214	21.10	21.22	21.21		
40	QPSK	108	0	21.23	21.22	21.14	21.7	0.0
40	QPSK	108	54	21.25	21.30	21.25	21.7	0.0
40	QPSK	108	108	21.24	21.21	21.20	21.7	0.0
40	QPSK	216	0	21.18	21.24	21.11		
40	16QAM	1	1	21.09	21.20	21.24	21.7	0.0
40	16QAM	1	1	18.67	18.78	18.75	19.2	2.5
40	256QAM	1	1	20.69	20.76	20.67	21.2	0.5
Channel				503500	507000	510500	Tune-up	MPR
35	QPSK	1	1	2117.5	2535	2520.5	limit (dB)	
Channel				503000	507000	510000	Tune-up	MPR
30	QPSK	1	1	2515	2535	2555	limit (dB)	
Channel				502500	507000	511500	Tune-up	MPR
25	QPSK	1	1	2112.5	2535	2537.5	limit (dB)	
Channel				502000	507000	512000	Tune-up	MPR
20	QPSK	1	1	2510	2535	2560	limit (dB)	
Channel				501500	507000	512500	Tune-up	MPR
15	QPSK	1	1	2507.5	2535	2569.5	limit (dB)	
Channel				501000	507000	513000	Tune-up	MPR
10	QPSK	1	1	2113	21.31	21.21	21.7	0.0
Channel				500500	507000	513500	Tune-up	MPR
5	QPSK	1	1	2111	21.23	21.13	21.7	0.0

n12 Ant1 DSI 4								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. F.Freq. 141300	Power Middle Ch. F.Freq. 141500	Power High Ch. F.Freq. 141700	Tune-up limit (dBm)	MPR (dB)
Channel				708.5	707.5	708.5		
15	1/2 BPSK	1	1	22.07	21.88	22.02		
15	1/2 BPSK	1	40	22.07	22.03	21.98	22.7	0.0
15	1/2 BPSK	1	77	21.98	21.98	22.01		
15	1/2 BPSK	36	0	22.00	22.05	22.01	22.7	0.0
15	1/2 BPSK	36	22	21.97	22.03	22.06	22.7	0.0
15	1/2 BPSK	36	43	21.97	22.05	21.93	22.7	0.0
15	1/2 BPSK	75	0	21.97	22.00	21.94		
15	QPSK	1	1	22.01	22.08	22.02		
15	QPSK	1	40	21.94	21.97	21.93	22.7	0.0
15	QPSK	1	77	21.99	22.01	22.06		
15	QPSK	36	0	22.01	22.05	21.92	22.7	0.0
15	QPSK	36	22	22.03	22.07	22.02	22.7	0.0
15	QPSK	36	43	21.99	22.03	21.99	22.7	0.0
15	QPSK	75	0	22.00	22.03	21.93		
15	16QAM	1	1	21.93	21.99	22.00	22.7	0.0
15	16QAM	1	1	22.06	21.98	21.98	22.7	0.0
15	256QAM	1	1	20.36	20.37	20.35	21.2	1.5
Channel				140800	141500	142200	Tune-up	MPR
10	QPSK	1	1	704	707.5	711	limit (dB)	
Channel				140300	141500	142700	Tune-up	MPR
5	QPSK	1	1	21.04	22.01	21.95	22.7	0.0



n26 Ant1 DSI 4								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. F.Freq. 164800	Power Middle Ch. F.Freq. 166300	Power High Ch. F.Freq. 167800	Tune-up limit (dBm)	MPR (dB)
				824	831.5	839		
20	1/2 BPSK	1	1	21.21	21.20	21.18		
20	1/2 BPSK	1	53	21.26	21.30	21.11	21.7	0.0
20	1/2 BPSK	1	104	21.26	21.26	21.31		
20	1/2 BPSK	50	0	21.24	21.23	21.15	21.7	0.0
20	1/2 BPSK	50	26	21.26	21.19	21.28	21.7	0.0
20	1/2 BPSK	50	56	21.10	21.27	21.13	21.7	0.0
20	1/2 BPSK	100	0	21.16	21.20	21.14		
20	QPSK	1	1	21.30	21.37	21.17		
20	QPSK	1	53	21.08	21.27	21.19	21.7	0.0
20	QPSK	1	104	21.10	21.27	21.23		
20	QPSK	50	0	21.23	21.30	21.19	21.7	0.0
20	QPSK	50	26	21.17	21.33	21.13	21.7	0.0
20	QPSK	50	56	21.23	21.17	21.18	21.7	0.0
20	QPSK	100	0	21.20	21.27	21.22		
20	16QAM	1	1	21.15	21.18	21.19	21.7	0.0
20	16QAM	1	1	21.26	21.14	21.24	21.7	0.0
20	16QAM	1	1	20.38	20.54	20.44	21.2	0.5
				164300	166300	168300	Tune-up	MPR
				821.5	831.5	841.5	limit	(dB)
15	QPSK	1	1	21.27	21.34	21.10	21.7	0.0
				163800	166300	168800	Tune-up	MPR
				810	831.5	844	limit	(dB)
10	QPSK	1	1	21.10	21.23	21.07	21.7	0.0
				163300	166300	169300	Tune-up	MPR
				816.5	831.5	846.5	limit	(dB)
5	QPSK	1	1	21.27	21.32	21.15	21.7	0.0

n66 Ant1 DSI 4								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. F.Freq. 349000	Power Middle Ch. F.Freq. 349000	Power High Ch. F.Freq. 352000	Tune-up limit (dBm)	MPR (dB)
				1730	1745	1760		
40	1/2 BPSK	1	1	16.15	16.00	16.15		
40	1/2 BPSK	1	109	16.10	16.05	16.05	17.5	0.0
40	1/2 BPSK	1	214	16.07	16.12	16.14		
40	1/2 BPSK	108	0	16.05	16.10	16.02	17.5	0.0
40	1/2 BPSK	108	54	16.09	16.08	16.20	17.5	0.0
40	1/2 BPSK	108	108	16.17	16.14	16.04	17.5	0.0
40	1/2 BPSK	216	0	16.09	16.09	16.07		
40	QPSK	1	1	16.10	16.27	16.08		
40	QPSK	1	108	16.04	16.03	16.03	17.5	0.0
40	QPSK	1	214	16.00	16.16	16.14		
40	QPSK	109	0	16.20	16.20	16.10	17.5	0.0
40	QPSK	108	54	16.06	16.24	16.15	17.5	0.0
40	QPSK	108	108	16.16	16.04	16.21	17.5	0.0
40	QPSK	216	0	16.06	16.16	16.10		
40	16QAM	1	1	16.04	16.10	16.14	17.5	0.0
40	16QAM	1	1	16.16	16.09	16.17	17.5	0.0
40	16QAM	1	1	15.89	15.91	15.91	17.5	0.0
				345500	349000	352500	Tune-up	MPR
				1727.5	1745	1762.5	limit	(dB)
35	QPSK	1	1	16.01	16.22	16.08	17.5	0.0
				345000	349000	353000	Tune-up	MPR
				1725	1745	1765	limit	(dB)
30	QPSK	1	1	16.01	16.20	16.07	17.5	0.0
				344500	349000	353500	Tune-up	MPR
				1722.5	1745	1767.5	limit	(dB)
25	QPSK	1	1	16.03	16.25	16.07	17.5	0.0
				344000	349000	354000	Tune-up	MPR
				1720	1745	1770	limit	(dB)
20	QPSK	1	1	16.05	16.25	16.04	17.5	0.0
				343500	349000	354500	Tune-up	MPR
				1717.5	1745	1772.5	limit	(dB)
15	QPSK	1	1	16.06	16.19	16.00	17.5	0.0
				343000	349000	355000	Tune-up	MPR
				1715	1745	1775	limit	(dB)
10	QPSK	1	1	16.03	16.25	16.06	17.5	0.0
				342500	349000	355500	Tune-up	MPR
				1712.5	1745	1777.5	limit	(dB)
5	QPSK	1	1	16.07	16.17	16.06	17.5	0.0



n2 Ant5 DSI 4									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq. 374000	Power Middle Ch. / Freq. 376000	Power High Ch. / Freq. 378000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1870	1880	1890			
40	1/2 BPSK	1	1	16.92	16.82	16.88		17.8	0.0
40	1/2 BPSK	1	108	16.97	16.97	16.86			
40	1/2 BPSK	1	214	16.92	16.84	16.96			
40	1/2 BPSK	108	0	16.94	16.92	16.83		17.8	0.0
40	1/2 BPSK	108	54	16.95	16.83	16.98		17.8	0.0
40	1/2 BPSK	108	108	16.91	16.92	16.83		17.8	0.0
40	1/2 BPSK	216	0	16.88	16.86	16.84		17.8	0.0
40	QPSK	1	1	16.93	17.01	16.97			
40	QPSK	1	108	16.88	16.92	16.84		17.8	0.0
40	QPSK	1	214	16.81	16.94	16.94			
40	QPSK	108	0	16.85	16.98	16.86		17.8	0.0
40	QPSK	108	54	16.91	16.98	16.97		17.8	0.0
40	QPSK	108	108	16.95	16.94	16.92		17.8	0.0
40	QPSK	216	0	16.89	16.94	16.85		17.8	0.0
40	16QAM	1	1	16.85	16.92	16.87		17.8	0.0
40	16QAM	1	1	16.95	16.86	16.91		17.8	0.0
40	256QAM	1	1	16.96	16.97	16.83		17.8	0.0
Channel									
Frequency (MHz)				373500	376000	378500	Tune-up	MPR	
35	QPSK	1	1	16.92	16.95	16.94	17.8	0.0	
Channel									
Frequency (MHz)				373000	376500	379000	Tune-up	MPR	
30	QPSK	1	1	16.93	16.93	16.93	17.8	0.0	
Channel									
Frequency (MHz)				372500	376500	379500	Tune-up	MPR	
25	QPSK	1	1	16.92	16.93	16.97	17.8	0.0	
Channel									
Frequency (MHz)				372000	376500	380000	Tune-up	MPR	
20	QPSK	1	1	16.94	16.93	16.91	17.8	0.0	
Channel									
Frequency (MHz)				371500	376500	380500	Tune-up	MPR	
15	QPSK	1	1	16.92	16.93	16.92	17.8	0.0	
Channel									
Frequency (MHz)				371000	376500	381000	Tune-up	MPR	
10	QPSK	1	1	17.00	16.96	16.98	17.8	0.0	
Channel									
Frequency (MHz)				370500	376500	381500	Tune-up	MPR	
5	QPSK	1	1	16.93	16.92	16.92	17.8	0.0	

n7 Ant5 DSI 4									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq. 504000	Power Middle Ch. / Freq. 507000	Power High Ch. / Freq. 510000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				2520	2535	2550			
40	1/2 BPSK	1	1	16.39	16.17	16.24		16.7	0.0
40	1/2 BPSK	1	108	16.35	16.32	16.27			
40	1/2 BPSK	1	214	16.31	16.27	16.28			
40	1/2 BPSK	108	0	16.34	16.31	16.27		16.7	0.0
40	1/2 BPSK	108	54	16.29	16.28	16.34		16.7	0.0
40	1/2 BPSK	108	108	16.31	16.31	16.25		16.7	0.0
40	1/2 BPSK	216	0	16.27	16.26	16.23		16.7	0.0
40	QPSK	1	1	16.27	16.43	16.29			
40	QPSK	1	108	16.18	16.28	16.26		16.7	0.0
40	QPSK	1	214	16.29	16.31	16.32			
40	QPSK	108	0	16.26	16.33	16.23		16.7	0.0
40	QPSK	108	54	16.27	16.40	16.30		16.7	0.0
40	QPSK	108	108	16.30	16.33	16.32		16.7	0.0
40	QPSK	216	0	16.32	16.35	16.22		16.7	0.0
40	16QAM	1	1	16.21	16.32	16.34		16.7	0.0
40	16QAM	1	1	16.37	16.31	16.32		16.7	0.0
40	256QAM	1	1	16.27	16.29	16.30		16.7	0.0
Channel									
Frequency (MHz)				503500	507000	510500	Tune-up	MPR	
35	QPSK	1	1	16.41	16.39	16.39	16.7	0.0	
Channel									
Frequency (MHz)				503000	507000	511000	Tune-up	MPR	
30	QPSK	1	1	16.38	16.35	16.35	16.7	0.0	
Channel									
Frequency (MHz)				502500	507000	511500	Tune-up	MPR	
25	QPSK	1	1	16.33	16.37	16.32	16.7	0.0	
Channel									
Frequency (MHz)				502000	507000	512000	Tune-up	MPR	
20	QPSK	1	1	16.37	16.31	16.33	16.7	0.0	
Channel									
Frequency (MHz)				501500	507000	512500	Tune-up	MPR	
15	QPSK	1	1	16.32	16.33	16.35	16.7	0.0	
Channel									
Frequency (MHz)				501000	507000	513000	Tune-up	MPR	
10	QPSK	1	1	16.32	16.28	16.30	16.7	0.0	
Channel									
Frequency (MHz)				500500	507000	513500	Tune-up	MPR	
5	QPSK	1	1	16.32	16.33	16.29	16.7	0.0	

n66 Ant5 DSI 4									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq. 346000	Power Middle Ch. / Freq. 349000	Power High Ch. / Freq. 352000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1730	1745	1760			
40	1/2 BPSK	1	1	16.27	16.12	16.17		18.7	0.0
40	1/2 BPSK	1	108	16.20	16.22	16.19			
40	1/2 BPSK	1	214	16.24	16.21	16.27			
40	1/2 BPSK	108	0	16.29	16.24	16.22		18.7	0.0
40	1/2 BPSK	108	54	16.18	16.18	16.26		18.7	0.0
40	1/2 BPSK	108	108	16.20	16.23	16.15		18.7	0.0
40	1/2 BPSK	216	0	16.17	16.21	16.21		18.7	0.0
40	QPSK	1	1	16.17	16.32	16.26			
40	QPSK	1	108	16.15	16.15	16.15		18.7	0.0
40	QPSK	1	214	16.20	16.15	16.26			
40	QPSK	108	0	16.24	16.24	16.16		18.7	0.0
40	QPSK	108	54	16.20	16.30	16.19		18.7	0.0
40	QPSK	108	108	16.22	16.17	16.22		18.7	0.0
40	QPSK	216	0	16.20	16.25	16.06		18.7	0.0
40	16QAM	1	1	16.14	16.20	16.26		18.7	0.0
40	16QAM	1	1	16.22	16.19	16.20		18.7	0.0
40	256QAM	1	1	16.16	16.24	16.21		18.7	0.0
Channel									
Frequency (MHz)				345500	349000	352500	Tune-up	MPR	
35	QPSK	1	1	16.08	16.27	16.17	18.7	0.0	
Channel									
Frequency (MHz)				345000	349000	353000	Tune-up	MPR	
30	QPSK	1	1	16.25	17.45	17.65	17.8	0.0	
Channel									
Frequency (MHz)				344500	349000	353500	Tune-up	MPR	
25	QPSK	1	1	16.09	16.23	16.17	17.8	0.0	
Channel									
Frequency (MHz)				344000	349000	354000	Tune-up	MPR	
20	QPSK	1	1	16.15	16.26	16.20	18.7	0.0	
Channel									
Frequency (MHz)				343500	349000	354500	Tune-up	MPR	
15	QPSK	1	1	16.07	16.28	16.22	18.7	0.0	
Channel									
Frequency (MHz)				343000	349000	355000	Tune-up	MPR	
10	QPSK	1	1	16.09	16.25	16.15	18.7	0.0	
Channel									
Frequency (MHz)				342500	349000	355500	Tune-up	MPR	
5	QPSK	1	1	16.09	16.24	16.21	18.7	0.0	



n38 Ant5 DSI 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dB)	MPR (dB)
				2590.02	2595	2599.98		
40	1/2 BPSK	1	1	16.75	16.59	16.73	17.2	0.0
40	1/2 BPSK	1	53	16.63	16.69	16.61		
40	1/2 BPSK	1	104	16.69	16.71	16.54		
40	1/2 BPSK	50	0	16.70	16.80	16.63	17.2	0.0
40	1/2 BPSK	50	28	16.69	16.77	16.74	17.2	0.0
40	1/2 BPSK	50	56	16.67	16.73	16.66	17.2	0.0
40	1/2 BPSK	100	0	16.74	16.67	16.57		
40	QPSK	1	1	16.80	16.82	16.78		
40	QPSK	1	53	16.57	16.73	16.64	17.2	0.0
40	QPSK	1	104	16.71	16.75	16.79		
40	QPSK	50	0	16.72	16.55	16.72	17.2	0.0
40	QPSK	50	28	16.74	16.77	16.62	17.2	0.0
40	QPSK	50	56	16.76	16.70	16.71	17.2	0.0
40	QPSK	100	0	16.63	16.70	16.55		
40	16QAM	1	1	16.63	16.70	16.63	17.2	0.0
40	16QAM	1	1	16.72	16.68	16.61	17.2	0.0
40	256QAM	1	1	16.63	16.75	16.67	17.2	0.0
				517002	519000	520998	Tune-up	MPR
				2583.01	2595	2604.99	limit	(dB)
30	QPSK	1	1	16.76	16.75	16.71	17.2	0.0
				516504	519000	521498	Tune-up	MPR
				2592.52	2595	2607.48	limit	(dB)
25	QPSK	1	1	16.72	16.75	16.72	17.2	0.0
				516000	519000	522000	Tune-up	MPR
				2630	2695	2810	limit	(dB)
20	QPSK	1	1	16.70	16.73	16.67	17.2	0.0
				515502	519000	522498	Tune-up	MPR
				2577.51	2695	2812.49	limit	(dB)
15	QPSK	1	1	16.69	16.75	16.73	17.2	0.0
				515004	519000	522996	Tune-up	MPR
				2593.02	2695	2814.98	limit	(dB)
10	QPSK	1	1	16.70	16.74	16.73	17.2	0.0

n41 Ant5 DSI 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dB)	MPR (dB)
				2546.01	2592.99	2640		
100	1/2 BPSK	1	1	15.65	15.49	15.58		
100	1/2 BPSK	1	197	15.65	15.62	15.57	16.2	0.0
100	1/2 BPSK	1	271	15.60	15.62	15.68		
100	1/2 BPSK	135	0	15.67	15.60	15.55	16.2	0.0
100	1/2 BPSK	135	69	15.61	15.62	15.62	16.2	0.0
100	1/2 BPSK	135	138	15.60	15.60	15.59	16.2	0.0
100	1/2 BPSK	270	0	15.65	15.60	15.63		
100	QPSK	1	1	15.62	15.71	15.64		
100	QPSK	1	137	15.57	15.60	15.63	16.2	0.0
100	QPSK	1	271	15.57	15.62	15.68		
100	QPSK	135	0	15.61	15.60	15.51	16.2	0.0
100	QPSK	135	69	15.63	15.68	15.67	16.2	0.0
100	QPSK	135	138	15.67	15.60	15.59	16.2	0.0
100	QPSK	270	0	15.62	15.65	15.44		
100	16QAM	1	1	15.55	15.63	15.62	16.2	0.0
100	16QAM	1	1	15.66	15.59	15.61	16.2	0.0
100	256QAM	1	1	15.56	15.66	15.62	16.2	0.0
				508200	518998	528996	Tune-up	MPR
				2541	2692.99	2844.98	limit	(dB)
50	QPSK	1	1	15.52	15.69	15.61	16.2	0.0
				507204	518998	529996	Tune-up	MPR
				2638.02	2692.99	2848.98	limit	(dB)
80	QPSK	1	1	15.57	15.69	15.61	16.2	0.0
				506202	518998	531000	Tune-up	MPR
				2631.01	2692.99	2855	limit	(dB)
70	QPSK	1	1	15.52	15.62	15.62	16.2	0.0
				505200	518998	531996	Tune-up	MPR
				2626	2692.99	2859.98	limit	(dB)
60	QPSK	1	1	15.59	15.62	15.57	16.2	0.0
				504204	518998	532998	Tune-up	MPR
				2621.02	2692.99	2864.98	limit	(dB)
50	QPSK	1	1	15.51	15.70	15.57	16.2	0.0
				503202	518998	534000	Tune-up	MPR
				2616.01	2692.99	2870	limit	(dB)
40	QPSK	1	1	15.52	15.69	15.53	16.2	0.0
				502200	518998	534996	Tune-up	MPR
				2611	2692.99	2874.98	limit	(dB)
30	QPSK	1	1	15.54	15.68	15.57	16.2	0.0
				502200	518998	534996	Tune-up	MPR
				2611	2692.99	2874.98	limit	(dB)
25	QPSK	1	1	15.59	15.67	15.59	16.2	0.0
				501204	518998	535998	Tune-up	MPR
				2606.02	2692.99	2879.98	limit	(dB)
20	QPSK	1	1	15.52	15.61	15.60	16.2	0.0
				500700	518998	536496	Tune-up	MPR
				2601.5	2692.99	2883.48	limit	(dB)
15	QPSK	1	1	15.57	15.65	15.53	16.2	0.0
				500202	518998	537000	Tune-up	MPR
				2591.01	2692.99	2885	limit	(dB)
10	QPSK	1	1	15.51	15.62	15.54	16.2	0.0



n2 Ant6 DSI 4									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq. 374000	Power Middle Ch. / Freq. 379000	Power High Ch. / Freq. 379000	Tune-up limt (dBm)	MPR	(dB)
40	1/2 BPSK	1	1	18.79	18.71	18.77			
40	1/2 BPSK	1	108	18.76	18.83	18.81			
40	1/2 BPSK	1	214	18.76	18.86	18.81			
40	1/2 BPSK	108	0	18.89	18.72	18.66	20.2	0.0	
40	1/2 BPSK	108	54	18.81	18.83	18.84	20.2	0.0	
40	1/2 BPSK	108	108	18.74	18.84	18.67	20.2	0.0	
40	1/2 BPSK	216	0	18.91	18.69	18.78			
40	QPSK	1	1	18.87	18.95	18.71			
40	QPSK	1	108	18.84	18.85	18.74	20.2	0.0	
40	QPSK	1	214	18.66	18.74	18.91			
40	QPSK	108	9	18.79	18.79	18.87	20.2	0.0	
40	QPSK	108	54	18.74	18.91	18.76	20.2	0.0	
40	QPSK	108	108	18.79	18.76	18.81	20.2	0.0	
40	QPSK	216	9	18.70	18.84	18.82	20.2	0.0	
40	16QAM	1	1	18.74	18.65	18.80	20.2	0.0	
40	16QAM	1	1	18.70	18.82	18.79	20.2	0.0	
40	256QAM	1	1	18.93	18.83	18.81	20.2	0.0	
Channel									
35	QPSK	1	1	18.65	18.93	18.64	20.2	0.0	
Channel									
30	QPSK	1	1	18.83	18.80	18.92			
Channel									
25	QPSK	1	1	18.84	18.85	18.87	20.2	0.0	
Channel									
20	QPSK	1	1	18.89	18.89	18.90	20.2	0.0	
Channel									
15	QPSK	1	1	18.76	18.88	18.68	20.2	0.0	
Channel									
10	QPSK	1	1	18.86	18.87	18.80	20.2	0.0	
Channel									
5	QPSK	1	1	18.77	18.86	18.86	20.2	0.0	

n7 Ant6 DSI 4									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq. 504000	Power Middle Ch. / Freq. 507000	Power High Ch. / Freq. 510000	Tune-up limt (dBm)	MPR	(dB)
40	1/2 BPSK	1	1	17.46	17.47	17.49			
40	1/2 BPSK	1	108	17.48	17.43	17.55	18.2	0.0	
40	1/2 BPSK	1	214	17.46	17.48	17.53			
40	1/2 BPSK	108	0	17.58	17.52	17.33	18.2	0.0	
40	1/2 BPSK	108	54	17.52	17.53	17.42	18.2	0.0	
40	1/2 BPSK	108	108	17.51	17.42	17.36	18.2	0.0	
40	1/2 BPSK	216	0	17.59	17.43	17.58			
40	QPSK	1	1	17.50	17.53	17.50			
40	QPSK	1	108	17.46	17.50	17.41	18.2	0.0	
40	QPSK	1	214	17.34	17.43	17.49			
40	QPSK	108	9	17.49	17.60	17.48	18.2	0.0	
40	QPSK	108	54	17.47	17.52	17.43	18.2	0.0	
40	QPSK	108	108	17.45	17.48	17.49	18.2	0.0	
40	QPSK	216	9	17.48	17.58	17.55	18.2	0.0	
40	16QAM	1	1	17.45	17.38	17.53	18.2	0.0	
40	16QAM	1	1	17.53	17.43	17.48	18.2	0.0	
40	256QAM	1	1	17.42	17.48	17.54	18.2	0.0	
Channel									
35	QPSK	1	1	17.49	17.57	17.46	18.2	0.0	
Channel									
30	QPSK	1	1	17.42	17.58	17.47	18.2	0.0	
Channel									
25	QPSK	1	1	17.47	17.58	17.49	18.2	0.0	
Channel									
20	QPSK	1	1	17.43	17.57	17.42	18.2	0.0	
Channel									
15	QPSK	1	1	17.44	17.55	17.40	18.2	0.0	
Channel									
10	QPSK	1	1	17.46	17.61	17.44	18.2	0.0	
Channel									
5	QPSK	1	1	17.41	17.57	17.45	18.2	0.0	

n66 Ant6 DSI 4									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq. 346000	Power Middle Ch. / Freq. 349000	Power High Ch. / Freq. 352000	Tune-up limt (dBm)	MPR	(dB)
40	1/2 BPSK	1	1	17.89	17.55	17.65			
40	1/2 BPSK	1	108	17.80	17.66	17.69	19.2	0.0	
40	1/2 BPSK	1	214	17.88	17.69	17.75			
40	1/2 BPSK	108	0	17.83	17.66	17.51	19.2	0.0	
40	1/2 BPSK	108	54	17.69	17.75	17.66	19.2	0.0	
40	1/2 BPSK	108	108	17.88	17.69	17.63	19.2	0.0	
40	1/2 BPSK	216	0	17.77	17.58	17.78			
40	QPSK	1	1	17.70	17.85	17.63			
40	QPSK	1	108	17.69	17.82	17.71	19.2	0.0	
40	QPSK	1	214	17.82	17.69	17.73			
40	QPSK	108	9	17.69	17.60	17.66	19.2	0.0	
40	QPSK	108	54	17.64	17.81	17.71	19.2	0.0	
40	QPSK	108	108	17.65	17.73	17.70	19.2	0.0	
40	QPSK	216	9	17.56	17.77	17.72	19.2	0.0	
40	16QAM	1	1	17.70	17.69	17.72	19.2	0.0	
40	16QAM	1	1	17.60	17.68	17.60	19.2	0.0	
40	256QAM	1	1	17.68	17.76	17.76	19.2	0.0	
Channel									
35	QPSK	1	1	17.62	17.75	17.57	19.2	0.0	
Channel									
30	QPSK	1	1	17.68	17.77	17.57	19.2	0.0	
Channel									
25	QPSK	1	1	17.69	17.79	17.60	19.2	0.0	
Channel									
20	QPSK	1	1	17.69	17.83	17.54	19.2	0.0	
Channel									
15	QPSK	1	1	17.61	17.80	17.56	19.2	0.0	
Channel									
10	QPSK	1	1	17.62	17.83	17.58	19.2	0.0	
Channel									
5	QPSK	1	1	17.64	17.75	17.54	19.2	0.0	



Part270 n77 Ant6 DSI 4 PC2

BW (MHz)	Modulation	Channel RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
100	1/2 BPSK	1	1	3750	3840	3930		
100	1/2 BPSK	1	1	21.62	20.96	21.06		
100	1/2 BPSK	1	137	21.07	21.09	21.16		22.5
100	1/2 BPSK	1	271	21.06	21.07	21.18		
100	1/2 BPSK	135	0	21.20	21.04	20.96		22.5
100	1/2 BPSK	135	69	21.06	21.12	21.00		22.5
100	1/2 BPSK	135	138	21.09	21.04	20.96		22.5
100	1/2 BPSK	270	0	21.18	21.04	21.09		22.5
100	QPSK	1	1	21.16	21.03	21.00		
100	QPSK	1	137	21.13	21.13	21.07		22.5
100	QPSK	1	271	20.97	21.00	21.13		
100	QPSK	135	0	21.03	21.07	21.15		22.5
100	QPSK	135	69	21.01	21.19	21.08		22.5
100	QPSK	135	138	21.09	21.05	21.07		22.5
100	QPSK	270	0	20.98	21.13	21.06		
100	16QAM	1	1	21.18	21.09	21.09		22.5
100	16QAM	1	1	21.00	21.10	21.05		22.5
100	256QAM	1	1	21.11	21.10	21.08		22.5

Part270Q n77 Ant6 DSI 4

BW (MHz)	Modulation	Channel RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
100	1/2 BPSK	1	1	3500.01				
100	1/2 BPSK	1	1	17.81	17.92	18.00		19.5
100	1/2 BPSK	1	137	17.92				19.5
100	1/2 BPSK	1	271	18.00				19.5
100	1/2 BPSK	135	0	18.00				19.5
100	1/2 BPSK	135	69	17.96				19.5
100	1/2 BPSK	135	138	17.92				19.5
100	1/2 BPSK	270	0	17.96				19.5
100	QPSK	1	1	18.15				19.5
100	QPSK	1	137	18.08				19.5
100	QPSK	1	271	17.96				19.5
100	QPSK	135	0	17.96				19.5
100	QPSK	135	69	18.11				19.5
100	QPSK	135	138	18.00				19.5
100	QPSK	270	0	18.05				19.5
100	16QAM	1	1	17.89				19.5
100	16QAM	1	1	17.97				19.5
100	256QAM	1	1	18.00				19.5

Part270Q n77 Ant6 DSI 4 PC2

BW (MHz)	Modulation	Channel RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
100	1/2 BPSK	1	1	3500.01				
100	1/2 BPSK	1	1	17.81	17.92	18.00		19.5
100	1/2 BPSK	1	137	17.92				19.5
100	1/2 BPSK	1	271	18.00				19.5
100	1/2 BPSK	135	0	18.00				19.5
100	1/2 BPSK	135	69	17.96				19.5
100	1/2 BPSK	135	138	17.92				19.5
100	1/2 BPSK	270	0	17.96				19.5
100	QPSK	1	1	18.15				19.5
100	QPSK	1	137	18.08				19.5
100	QPSK	1	271	17.96				19.5
100	QPSK	135	0	17.96				19.5
100	QPSK	135	69	18.11				19.5
100	QPSK	135	138	18.00				19.5
100	QPSK	270	0	18.05				19.5
100	16QAM	1	1	17.89				19.5
100	16QAM	1	1	17.97				19.5
100	256QAM	1	1	18.00				19.5

Part270 n78 Ant6 DSI 4

BW (MHz)	Modulation	Channel RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
100	1/2 BPSK	1	1	3750				
100	1/2 BPSK	1	1	18.36	18.32	18.32		20.0
100	1/2 BPSK	1	137	18.32				20.0
100	1/2 BPSK	1	271	18.45				20.0
100	1/2 BPSK	135	0	18.34				20.0
100	1/2 BPSK	135	69	18.40				20.0
100	1/2 BPSK	135	138	18.36				20.0
100	1/2 BPSK	270	0	18.34				20.0
100	QPSK	1	1	18.36				20.0
100	QPSK	1	137	18.55				20.0
100	QPSK	1	271	18.27				20.0
100	QPSK	135	0	18.50				20.0
100	QPSK	135	69	18.54				20.0
100	QPSK	135	138	18.41				20.0
100	QPSK	270	0	18.47				20.0
100	16QAM	1	1	18.26				20.0
100	16QAM	1	1	18.38				20.0
100	256QAM	1	1	18.52				20.0



Part270 n78 Ant6 DSI 4 PC2									
BW [MHz]	Modulat ion	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)									
100	1/2 BPSK	1	1	21.38				23.0	0.0
100	1/2 BPSK	1	137	21.52					
100	1/2 BPSK	1	271	21.55					
100	1/2 BPSK	135	0	21.51				23.0	0.0
100	1/2 BPSK	135	69	21.52					
100	1/2 BPSK	135	138	21.41				23.0	0.0
100	1/2 BPSK	270	0	21.47					
100	QPSK	1	1	21.57					
100	QPSK	1	137	21.58				23.0	0.0
100	QPSK	1	271	21.49					
100	QPSK	135	0	21.46				23.0	0.0
100	QPSK	135	69	21.65					
100	QPSK	135	138	21.47				23.0	0.0
100	QPSK	270	0	21.54					
100	16QAM	1	1	21.42				23.0	0.0
100	16QAM	1	1	21.40				23.0	0.0
100	256QAM	1	1	23.91				22.7	0.3
Channel									
Frequency (MHz)									
90	QPSK	1	1	21.98	21.64	21.55		23.0	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	21.59	21.55	21.63		23.0	0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1	21.61	21.55	21.52		23.0	0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1	21.66	21.60	21.55		23.0	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	21.58	21.56	21.61		23.0	0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1	21.05	21.57	21.63		23.0	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.57	21.59	21.64		23.0	0.0
Channel									
Frequency (MHz)									
25	QPSK	1	1	21.64	21.59	21.63		23.0	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.61	21.58	21.60		23.0	0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	21.64	21.63	21.63		23.0	0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	21.64	21.60	21.62		23.0	0.0

Part27Q n78 Ant6 DSI 4									
BW [MHz]	Modulat ion	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)									
100	1/2 BPSK	1	1	18.35					
100	1/2 BPSK	1	137	18.40					
100	1/2 BPSK	1	271	18.49			20.0		
100	1/2 BPSK	135	0	18.28				20.0	0.0
100	1/2 BPSK	135	69	18.35				20.0	0.0
100	1/2 BPSK	135	138	18.42				20.0	0.0
100	1/2 BPSK	270	0	18.38					
100	QPSK	1	1	18.35					
100	QPSK	1	137	18.54				20.0	0.0
100	QPSK	1	271	18.25					
100	QPSK	135	0	18.49				20.0	0.0
100	QPSK	135	69	18.52				20.0	0.0
100	QPSK	135	138	18.47				20.0	0.0
100	QPSK	270	0	18.45					
100	16QAM	1	1	18.19				20.0	0.0
100	16QAM	1	1	18.41				20.0	0.0
100	256QAM	1	1	18.47				20.0	0.0
Channel									
Frequency (MHz)									
90	QPSK	1	1	18.45	18.53	18.53		20.0	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.47	18.49	18.46		20.0	0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1	18.42	18.51	18.44		20.0	0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1	18.44	18.47	18.55		20.0	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	18.47	18.52	18.50		20.0	0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1	18.40	18.49	18.51		20.0	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.51	18.51	18.49		20.0	0.0
Channel									
Frequency (MHz)									
25	QPSK	1	1	18.49	18.50	18.50		20.0	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.50	18.48	18.52		20.0	0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.45	18.49	18.51		20.0	0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	18.45	18.52	18.48		20.0	0.0

Part27Q n78 Ant6 DSI 4 PC2									
BW [MHz]	Modulat ion	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)									
100	1/2 BPSK	1	1	21.41				23.0	0.0
100	1/2 BPSK	1	137	21.44					
100	1/2 BPSK	1	271	21.56					
100	1/2 BPSK	135	0	21.50				23.0	0.0
100	1/2 BPSK	135	69	21.52					
100	1/2 BPSK	135	138	21.33				23.0	0.0
100	1/2 BPSK	270	0	21.44					
100	QPSK	1	1	21.23					
100	QPSK	1	137	21.52				23.0	0.0
100	QPSK	1	271	21.43					
100	QPSK	135	0	21.51				23.0	0.0
100	QPSK	135	69	21.61					
100	QPSK	135	138	21.44				23.0	0.0
100	QPSK	270	0	21.51					
100	16QAM	1	1	21.40				23.0	0.0
100	16QAM	1	1	21.47				23.0	0.0
100	256QAM	1	1	21.10				22.7	0.3
Channel									
Frequency (MHz)									
90	QPSK	1	1	21.69	21.63	21.69		23.0	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	21.63	21.62	21.62		23.0	0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1	21.63	21.62	21.62		23.0	0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1	21.70	21.65	21.62		23.0	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	21.64	21.62	21.67		23.0	0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1	21.62	21.63	21.65		23.0	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.67	21.68	21.69		23.0	0.0
Channel									
Frequency (MHz)									
25	QPSK	1	1	21.70	21.66	21.66		23.0	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.69	21.70	21.68		23.0	0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	21.72	21.70	21.70		23.0	0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	21.68	21.68	21.69		23.0	0.0



Part96 n48 Ant7 DSI 4

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power (Low Ch./Freq, Middle Ch./Freq, High Ch./Freq), Tune-up (min, dB), MPR (dB). Contains data for various RBPS and QPSK configurations.

Part270 n77 Ant7 DSI 4

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power (Low Ch./Freq, Middle Ch./Freq, High Ch./Freq), Tune-up (min, dB), MPR (dB). Contains data for various RBPS and QPSK configurations.

Part270 n77 Ant7 DSI 4 PC2

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power (Low Ch./Freq, Middle Ch./Freq, High Ch./Freq), Tune-up (min, dB), MPR (dB). Contains data for various RBPS and QPSK configurations.

Part27Q n77 Ant7 DSI 4

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power (Low Ch./Freq, Middle Ch./Freq, High Ch./Freq), Tune-up (min, dB), MPR (dB). Contains data for various RBPS and QPSK configurations.



Part27Q n78 Ant7 DSI 4

BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel 63334								
Frequency (MHz) 3500.01								
100	1/2 BPSK	1	1	14.63				
100	1/2 BPSK	1	137	14.76			15.5	0.0
100	1/2 BPSK	1	271	14.72				
100	1/2 BPSK	135	0	14.72			15.5	0.0
100	1/2 BPSK	135	69	14.72			15.5	0.0
100	1/2 BPSK	135	138	14.71			15.5	0.0
100	1/2 BPSK	270	0	14.65			15.5	0.0
100	QPSK	1	1	14.77				
100	QPSK	1	137	14.72			15.5	0.0
100	QPSK	1	271	14.67			15.5	0.0
100	QPSK	135	0	14.71			15.5	0.0
100	QPSK	135	69	14.76			15.5	0.0
100	QPSK	135	138	14.70			15.5	0.0
100	QPSK	270	0	14.68			15.5	0.0
100	16QAM	1	1	14.71			15.5	0.0
100	16QAM	1	1	14.64			15.5	0.0
100	256QAM	1	1	14.74			15.5	0.0
Channel 63300								
Frequency (MHz) 3495								
90	QPSK	1	1	14.75	3500.01	3500.02	lim	(dB)
Channel 63268								
Frequency (MHz) 3490.02								
80	QPSK	1	1	14.73	3500.01	3510	lim	(dB)
Channel 63234								
Frequency (MHz) 3488.01								
70	QPSK	1	1	14.69	3471	3473	lim	(dB)
Channel 63200								
Frequency (MHz) 3480								
60	QPSK	1	1	14.70	3474	3477	15.5	0.0
Channel 63168								
Frequency (MHz) 3475.02								
50	QPSK	1	1	14.70	3468	3468	15.5	0.0
Channel 63134								
Frequency (MHz) 3470.01								
40	QPSK	1	1	14.67	3471	3471	15.5	0.0
Channel 63100								
Frequency (MHz) 3468								
30	QPSK	1	1	14.75	3469	3475	15.5	0.0
Channel 63068								
Frequency (MHz) 3462.51								
25	QPSK	1	1	14.72	3476	3475	15.5	0.0
Channel 63034								
Frequency (MHz) 3460.00								
20	QPSK	1	1	14.72	3474	3467	15.5	0.0
Channel 63000								
Frequency (MHz) 3457.5								
15	QPSK	1	1	14.67	3467	3475	15.5	0.0
Channel 63034								
Frequency (MHz) 3455.01								
10	QPSK	1	1	14.72	3467	3472	15.5	0.0

Part27Q n78 Ant7 DSI 4 PC2

BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel 63334									
Frequency (MHz) 3500.01									
100	1/2 BPSK	1	1	17.32					
100	1/2 BPSK	1	137	17.46			18.5	0.0	
100	1/2 BPSK	1	271	17.40					
100	1/2 BPSK	135	0	17.46			18.5	0.0	
100	1/2 BPSK	135	69	17.40			18.5	0.0	
100	1/2 BPSK	135	138	17.48			18.5	0.0	
100	1/2 BPSK	270	0	17.35			18.5	0.0	
100	QPSK	1	1	17.49					
100	QPSK	1	137	17.38			18.5	0.0	
100	QPSK	1	271	17.42			18.5	0.0	
100	QPSK	135	0	17.41			18.5	0.0	
100	QPSK	135	69	17.47			18.5	0.0	
100	QPSK	135	138	17.39			18.5	0.0	
100	QPSK	270	0	17.39			18.5	0.0	
100	16QAM	1	1	17.38			18.5	0.0	
100	16QAM	1	1	17.36			18.5	0.0	
100	256QAM	1	1	17.45			18.5	0.0	
Channel 63300									
Frequency (MHz) 3495									
90	QPSK	1	1	17.20	3500.01	3500.02	lim	(dB)	
Channel 63268									
Frequency (MHz) 3490.02									
80	QPSK	1	1	17.23	3500.01	3510	lim	(dB)	
Channel 63234									
Frequency (MHz) 3488.01									
70	QPSK	1	1	17.29	3471	3473	lim	(dB)	
Channel 63200									
Frequency (MHz) 3480									
60	QPSK	1	1	17.45	3474	3477	18.5	0.0	
Channel 63168									
Frequency (MHz) 3475.02									
50	QPSK	1	1	17.44	3468	3468	17.42	18.5	0.0
Channel 63134									
Frequency (MHz) 3470.01									
40	QPSK	1	1	17.41	3471	3471	17.43	18.5	0.0
Channel 63100									
Frequency (MHz) 3468									
30	QPSK	1	1	17.40	3469	3475	17.45	18.5	0.0
Channel 63068									
Frequency (MHz) 3462.51									
25	QPSK	1	1	17.38	3477	3477	17.47	18.5	0.0
Channel 63034									
Frequency (MHz) 3460.00									
20	QPSK	1	1	17.39	3474	3467	17.39	18.5	0.0
Channel 63000									
Frequency (MHz) 3457.5									
15	QPSK	1	1	17.44	3467	3475	17.44	18.5	0.0
Channel 63034									
Frequency (MHz) 3455.01									
10	QPSK	1	1	17.46	3467	3472	17.42	18.5	0.0



Part27Q n78 Ant8 Other PA DSI 4

BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel 63334								
Frequency (MHz) 3500.01								
100	1/2 BPSK	1	1	18.23				
100	1/2 BPSK	1	137	18.31			18.0	0.0
100	1/2 BPSK	1	271	18.33				
100	1/2 BPSK	135	0	18.35			18.0	0.0
100	1/2 BPSK	135	69	18.32			18.0	0.0
100	1/2 BPSK	135	138	18.35			18.0	0.0
100	1/2 BPSK	270	0	18.25			18.0	0.0
100	QPSK	1	1	18.39				
100	QPSK	1	137	18.25			18.0	0.0
100	QPSK	1	271	18.29			18.0	0.0
100	QPSK	135	0	18.28			18.0	0.0
100	QPSK	135	69	18.38			18.0	0.0
100	QPSK	135	138	18.26			18.0	0.0
100	QPSK	270	0	18.34			18.0	0.0
100	16QAM	1	1	18.30			18.0	0.0
100	16QAM	1	1	18.30			18.0	0.0
100	256QAM	1	1	18.35			18.0	0.0
Channel 63300								
Frequency (MHz) 3497								
90	QPSK	1	1	18.37	18.37	18.33	18.0	0.0
Channel 63268								
Frequency (MHz) 3490.02								
80	QPSK	1	1	18.32	18.33	18.29	18.0	0.0
Channel 63234								
Frequency (MHz) 3485.01								
70	QPSK	1	1	18.29	18.33	18.31	18.0	0.0
Channel 63200								
Frequency (MHz) 3480								
60	QPSK	1	1	18.33	18.33	18.34	18.0	0.0
Channel 63168								
Frequency (MHz) 3475.02								
50	QPSK	1	1	18.30	18.34	18.30	18.0	0.0
Channel 63134								
Frequency (MHz) 3470.01								
40	QPSK	1	1	18.33	18.33	18.29	18.0	0.0
Channel 63100								
Frequency (MHz) 3465								
30	QPSK	1	1	18.35	18.35	18.37	18.0	0.0
Channel 63068								
Frequency (MHz) 3460.03								
25	QPSK	1	1	18.31	18.34	18.36	18.0	0.0
Channel 63034								
Frequency (MHz) 3455.01								
20	QPSK	1	1	18.34	18.32	18.38	18.0	0.0
Channel 63000								
Frequency (MHz) 3450.03								
15	QPSK	1	1	18.36	18.36	18.36	18.0	0.0
Channel 63034								
Frequency (MHz) 3455.01								
10	QPSK	1	1	18.28	18.29	18.31	18.0	0.0

Part27Q n78 Ant8 Other PA DSI 4 PC2

BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel 63334								
Frequency (MHz) 3500.01								
100	1/2 BPSK	1	1	20.20				
100	1/2 BPSK	1	137	20.33			21.0	0.0
100	1/2 BPSK	1	271	20.31				
100	1/2 BPSK	135	0	20.38			21.0	0.0
100	1/2 BPSK	135	69	20.25			21.0	0.0
100	1/2 BPSK	135	138	20.33			21.0	0.0
100	1/2 BPSK	270	0	20.29			21.0	0.0
100	QPSK	1	1	20.36				
100	QPSK	1	137	20.24			21.0	0.0
100	QPSK	1	271	20.26			21.0	0.0
100	QPSK	135	0	20.36			21.0	0.0
100	QPSK	135	69	20.37			21.0	0.0
100	QPSK	135	138	20.29			21.0	0.0
100	QPSK	270	0	20.35			21.0	0.0
100	16QAM	1	1	20.31			21.0	0.0
100	16QAM	1	1	20.23			21.0	0.0
100	256QAM	1	1	20.28			21.0	0.0
Channel 63300								
Frequency (MHz) 3495								
90	QPSK	1	1	20.35	20.29	20.28	21.0	0.0
Channel 63268								
Frequency (MHz) 3490.02								
80	QPSK	1	1	20.29	20.29	20.34	21.0	0.0
Channel 63234								
Frequency (MHz) 3485.01								
70	QPSK	1	1	20.32	20.33	20.38	21.0	0.0
Channel 63200								
Frequency (MHz) 3480								
60	QPSK	1	1	20.33	20.33	20.35	21.0	0.0
Channel 63168								
Frequency (MHz) 3475.02								
50	QPSK	1	1	20.34	20.29	20.31	21.0	0.0
Channel 63134								
Frequency (MHz) 3470.01								
40	QPSK	1	1	20.37	20.34	20.32	21.0	0.0
Channel 63100								
Frequency (MHz) 3465								
30	QPSK	1	1	20.31	20.33	20.37	21.0	0.0
Channel 63068								
Frequency (MHz) 3460.03								
25	QPSK	1	1	20.29	20.35	20.33	21.0	0.0
Channel 63034								
Frequency (MHz) 3455.01								
20	QPSK	1	1	20.33	20.32	20.28	21.0	0.0
Channel 63000								
Frequency (MHz) 3450.03								
15	QPSK	1	1	20.35	20.35	20.37	21.0	0.0
Channel 63034								
Frequency (MHz) 3455.01								
10	QPSK	1	1	20.34	20.34	20.35	21.0	0.0



n5 Ant0 Default								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
166800 167900 167900								
Frequency (MHz)								
834 836.5 839								
20	1/2 BPSK	1	1	25.07	25.15	25.14		
20	1/2 BPSK	1	53	25.19	25.22	25.16	25.7	0.0
20	1/2 BPSK	1	104	25.20	25.31	25.27		
20	1/2 BPSK	50	0	24.59	24.69	24.81	25.2	0.5
20	1/2 BPSK	50	29	25.20	25.27	25.19	25.7	0.0
20	1/2 BPSK	50	56	24.61	24.66	24.61	25.2	0.5
20	1/2 BPSK	100	0	24.72	24.81	24.76		
20	QPSK	1	1	25.40	25.42	25.38		
20	QPSK	1	53	25.26	25.36	25.37	25.7	0.0
20	QPSK	1	104	25.36	25.39	25.32		
20	QPSK	50	0	24.20	24.22	24.19	24.7	1.0
20	QPSK	50	28	25.17	25.27	25.26	25.7	0.0
20	QPSK	50	56	24.12	24.18	24.11	24.7	1.0
20	QPSK	100	0	24.31	24.33	24.23		
20	16QAM	1	1	24.08	24.16	24.10	24.7	1.0
20	16QAM	1	1	22.65	22.67	22.64	23.2	2.5
20	16QAM	1	1	20.30	20.40	20.33	21.2	4.5
Channel								
168300 167900 168300								
Frequency (MHz)								
331.5 332.5 331.5								
Tune-up limit (dB)								
MPR								
15	QPSK	1	1	25.38	25.28	25.22	25.7	0.0
Channel								
168800 167900 168800								
Frequency (MHz)								
339 336.5 344								
Tune-up limit (dB)								
MPR								
10	QPSK	1	1	25.40	25.23	25.30	25.7	0.0
Channel								
168300 167900 168300								
Frequency (MHz)								
326.5 326.5 326.5								
Tune-up limit (dB)								
MPR								
5	QPSK	1	1	25.33	25.33	25.23	25.7	0.0

Reduced Power Mode for SA DSI 5

n7 Ant0 Other PA Default								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
504000 507000 510000								
Frequency (MHz)								
2520 2535 2550								
40	1/2 BPSK	1	1	25.17	25.23	25.13		
40	1/2 BPSK	1	108	24.99	25.08	24.99	25.7	0.0
40	1/2 BPSK	1	214	25.14	25.22	25.12		
40	1/2 BPSK	108	0	24.57	24.58	24.53	25.2	0.5
40	1/2 BPSK	108	54	25.08	25.17	25.12	25.7	0.0
40	1/2 BPSK	108	108	24.53	24.57	24.52	25.2	0.5
40	1/2 BPSK	216	0	24.61	24.65	24.55		
40	QPSK	1	1	25.21	25.27	25.20		
40	QPSK	1	108	24.97	25.04	24.96	25.7	0.0
40	QPSK	1	214	25.07	25.17	25.07		
40	QPSK	108	0	24.16	24.16	24.09	24.7	1.0
40	QPSK	108	54	25.10	25.14	25.11	25.7	0.0
40	QPSK	108	108	24.02	24.12	24.03	24.7	1.0
40	QPSK	216	0	24.13	24.21	24.20		
40	16QAM	1	1	24.23	24.26	24.21	24.7	1.0
40	16QAM	1	1	22.58	22.65	22.59	23.2	2.5
40	16QAM	1	1	20.81	20.93	20.88	21.2	4.5
Channel								
503500 507000 510500								
Frequency (MHz)								
2517.5 2532 2557.5								
Tune-up limit (dB)								
MPR								
35	QPSK	1	1	25.11	25.25	25.18	25.7	0.0
Channel								
503000 507000 511000								
Frequency (MHz)								
2518 2535 2555								
Tune-up limit (dB)								
MPR								
30	QPSK	1	1	25.13	25.16	25.10	25.7	0.0
Channel								
502500 507000 511500								
Frequency (MHz)								
2512.5 2532 2557.5								
Tune-up limit (dB)								
MPR								
25	QPSK	1	1	25.12	25.21	25.13	25.7	0.0
Channel								
502000 507000 512000								
Frequency (MHz)								
2510 2535 2560								
Tune-up limit (dB)								
MPR								
20	QPSK	1	1	25.12	25.23	25.11	25.7	0.0
Channel								
501500 507000 512500								
Frequency (MHz)								
2507.5 2535 2562.5								
Tune-up limit (dB)								
MPR								
15	QPSK	1	1	25.16	25.22	25.14	25.7	0.0
Channel								
501000 507000 513000								
Frequency (MHz)								
2505 2535 2565								
Tune-up limit (dB)								
MPR								
10	QPSK	1	1	25.18	25.25	25.11	25.7	0.0
Channel								
500500 507000 513500								
Frequency (MHz)								
2502.5 2535 2567.5								
Tune-up limit (dB)								
MPR								
5	QPSK	1	1	25.20	25.19	25.19	25.7	0.0

n12 Ant0 Default								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
141900 141500 141700								
Frequency (MHz)								
708.5 707.5 708.5								
15	1/2 BPSK	1	1	25.10	25.15	25.08		
15	1/2 BPSK	1	40	24.99	25.07	24.99	25.7	0.0
15	1/2 BPSK	1	77	25.04	25.12	25.02		
15	1/2 BPSK	36	0	24.45	24.51	24.46	25.2	0.5
15	1/2 BPSK	36	22	25.08	25.11	25.06	25.7	0.0
15	1/2 BPSK	36	43	24.39	24.45	24.43	25.2	0.5
15	1/2 BPSK	75	0	24.46	24.54	24.53		
15	QPSK	1	1	25.14	25.17	25.16		
15	QPSK	1	40	24.95	25.02	24.92	25.7	0.0
15	QPSK	1	77	25.09	25.15	25.09		
15	QPSK	36	0	23.95	24.01	23.90	24.7	1.0
15	QPSK	36	22	25.01	25.10	25.05	25.7	0.0
15	QPSK	36	43	24.01	24.02	24.00	24.7	1.0
15	QPSK	75	0	23.97	23.96	23.91		
15	16QAM	1	1	23.99	24.07	24.06	24.7	1.0
15	16QAM	1	1	22.42	22.49	22.41	23.2	2.5
15	16QAM	1	1	20.50	20.52	20.49	21.2	4.5
Channel								
140800 141600 142200								
Frequency (MHz)								
704 707.5 711								
Tune-up limit (dB)								
MPR								
10	QPSK	1	1	25.12	25.15	25.07	25.7	0.0
Channel								
140300 141500 142700								
Frequency (MHz)								
701.5 707.5 713.5								
Tune-up limit (dB)								
MPR								
5	QPSK	1	1	25.09	25.14	25.14	25.7	0.0



n26 Ant0 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	1/2 BPSK	1	1	25.16	25.26	25.19	25.7	0.0
20	1/2 BPSK	1	53	25.29	25.23	25.23		
20	1/2 BPSK	1	104	25.26	25.42	25.34		
20	1/2 BPSK	50	0	24.84	24.74	24.84	25.2	0.5
20	1/2 BPSK	50	29	25.25	25.36	25.27	25.7	0.0
20	1/2 BPSK	50	58	24.72	24.68	24.64	25.2	0.5
20	1/2 BPSK	100	0	24.79	24.86	24.84		
20	QPSK	1	1	25.36	25.44	25.43		
20	QPSK	1	53	25.29	25.39	25.42	25.7	0.0
20	QPSK	1	104	25.38	25.37	25.37		
20	QPSK	50	0	24.30	24.30	24.25	24.7	1.0
20	QPSK	50	29	25.18	25.37	25.32	25.7	0.0
20	QPSK	50	58	24.17	24.28	24.18	24.7	1.0
20	QPSK	100	0	24.35	24.38	24.34		
20	16QAM	1	1	24.14	24.22	24.18	24.7	1.0
20	16QAM	1	1	22.72	22.73	22.68	23.2	2.5
20	256QAM	1	1	20.41	20.42	20.35	21.2	4.5
Channel				164300	166300	168300	Tune-up	MPR
Frequency (MHz)				241.2	241.5	241.2	limit	(dB)
15	QPSK	1	1	25.31	25.43	25.37	25.7	0.0
Channel				163800	166300	168800	Tune-up	MPR
Frequency (MHz)				316	331.5	344	limit	(dB)
10	QPSK	1	1	25.34	25.38	25.33	25.7	0.0
Channel				163300	166300	169300	Tune-up	MPR
Frequency (MHz)				316.5	331.5	345.5	limit	(dB)
5	QPSK	1	1	25.30	25.35	25.32	25.7	0.0

n66 Ant0 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	1/2 BPSK	1	1	22.56	22.59	22.56	24.2	0.0
40	1/2 BPSK	1	108	22.52	22.57	22.47		
40	1/2 BPSK	1	214	22.58	22.81	22.52		
40	1/2 BPSK	108	0	21.99	22.01	21.95	23.7	0.5
40	1/2 BPSK	108	54	22.53	22.57	22.56	24.2	0.0
40	1/2 BPSK	108	108	22.00	22.05	22.01	23.7	0.5
40	1/2 BPSK	216	0	22.08	22.11	22.06		
40	QPSK	1	1	22.59	22.67	22.63		
40	QPSK	1	108	22.44	22.53	22.50	24.2	0.0
40	QPSK	1	214	22.41	22.51	22.46		
40	QPSK	108	0	21.43	21.54	21.45	23.2	1.0
40	QPSK	108	54	22.52	22.55	22.48	24.2	0.0
40	QPSK	108	108	21.43	21.52	21.48	23.2	1.0
40	QPSK	216	0	21.60	21.64	21.58		
40	16QAM	1	1	21.54	21.57	21.53	23.2	1.0
40	16QAM	1	1	19.95	20.02	19.99	21.7	2.5
40	256QAM	1	1	17.90	18.01	17.92	19.7	4.5
Channel				345500	349000	352500	Tune-up	MPR
Frequency (MHz)				1727.5	1745	1762.5	limit	(dB)
35	QPSK	1	1	22.57	22.67	22.63	24.2	0.0
Channel				345000	349000	353000	Tune-up	MPR
Frequency (MHz)				1725	1745	1765	limit	(dB)
30	QPSK	1	1	22.51	22.68	22.62	24.2	0.0
Channel				344500	349000	353500	Tune-up	MPR
Frequency (MHz)				1722.5	1745	1767.5	limit	(dB)
25	QPSK	1	1	22.51	22.68	22.55	24.2	0.0
Channel				344000	349000	354000	Tune-up	MPR
Frequency (MHz)				1720	1745	1770	limit	(dB)
20	QPSK	1	1	22.53	22.60	22.53	24.2	0.0
Channel				343500	349000	354500	Tune-up	MPR
Frequency (MHz)				1717.5	1745	1772.5	limit	(dB)
15	QPSK	1	1	22.48	22.61	22.57	24.2	0.0
Channel				343000	349000	355000	Tune-up	MPR
Frequency (MHz)				1715	1745	1775	limit	(dB)
10	QPSK	1	1	22.52	22.66	22.59	24.2	0.0
Channel				342500	349000	355500	Tune-up	MPR
Frequency (MHz)				1712.5	1745	1777.5	limit	(dB)
5	QPSK	1	1	22.57	22.82	22.53	24.2	0.0



n38 Ant0 Other PA Default								
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)
	Frequency (MHz)			2590.02	2595	2599.98		
40	1/2 BPS	1	1	25.31	25.32	25.34	25.7	0.0
40	1/2 BPS	1	53	25.28	25.31	25.23		
40	1/2 BPS	1	104	25.20	25.28	25.25		
40	1/2 BPS	50	0	24.93	24.97	24.94	25.2	0.5
40	1/2 BPS	50	28	25.21	25.33	25.24		0.0
40	1/2 BPS	50	56	24.69	24.78	24.72	25.2	0.5
40	1/2 BPS	100	0	25.04	25.05	24.99		
40	QPSK	1	1	24.97	25.05	24.97		
40	QPSK	1	53	24.68	24.74	24.73	25.7	0.0
40	QPSK	1	104	25.01	25.11	25.10		
40	QPSK	50	0	24.01	24.11	24.06	24.7	1.0
40	QPSK	50	28	24.73	24.81	24.78	25.7	0.0
40	QPSK	50	56	24.09	24.14	24.04	24.7	1.0
40	QPSK	100	0	24.15	24.25	24.15		
40	16QAM	1	1	24.33	24.38	24.33	24.7	1.0
40	8QAM	1	1	23.05	23.07	22.97	23.2	2.5
40	256QAM	1	1	20.94	21.03	21.00	21.2	4.5
	Channel			517002	519000	520998	Tune-up limit (dB)	MPR
	Frequency (MHz)			2583.01	2585	2584.99	limit (dB)	
30	1/2 BPS	1	1	25.20	25.33	25.23	25.7	0.0
	Channel			516504	519000	521496	Tune-up limit (dB)	MPR
	Frequency (MHz)			2582.52	2585	2587.48	limit (dB)	
25	1/2 BPS	1	1	25.24	25.25	25.24	25.7	0.0
	Channel			516000	519000	522000	Tune-up limit (dB)	MPR
	Frequency (MHz)			2580	2585	2580	limit (dB)	
20	1/2 BPS	1	1	25.25	25.25	25.33	25.7	0.0
	Channel			515502	519000	522498	Tune-up limit (dB)	MPR
	Frequency (MHz)			2577.51	2585	2582.49	limit (dB)	
15	1/2 BPS	1	1	25.23	25.33	25.30	25.7	0.0
	Channel			515004	519000	522996	Tune-up limit (dB)	MPR
	Frequency (MHz)			2573.02	2585	2581.98	limit (dB)	
10	1/2 BPS	1	1	25.23	25.25	25.23	25.7	0.0

n41 Ant0 Other PA Default								
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)
	Frequency (MHz)			2546.01	2552.99	2540		
100	1/2 BPS	1	1	25.27	25.31	25.25		
100	1/2 BPS	1	137	25.08	25.08	24.97	25.7	0.0
100	1/2 BPS	1	271	25.10	25.15	25.05		
100	1/2 BPS	135	0	24.87	24.88	24.95	25.2	0.5
100	1/2 BPS	135	69	25.05	25.07	25.06	25.7	0.0
100	1/2 BPS	135	138	24.92	24.94	24.87	25.2	0.5
100	1/2 BPS	270	0	24.87	24.85	24.86		
100	QPSK	1	1	25.00	25.07	25.00		
100	QPSK	1	137	24.96	25.01	24.91	25.4	0.0
100	QPSK	1	271	25.01	25.05	24.97		
100	QPSK	135	0	24.45	24.51	24.46	24.7	1.0
100	QPSK	135	69	24.95	25.04	24.93	25.7	0.0
100	QPSK	135	138	24.52	24.59	24.51	24.7	1.0
100	QPSK	270	0	24.50	24.48	24.38		
100	16QAM	1	1	24.50	24.58	24.49	24.7	1.0
100	8QAM	1	1	22.99	23.01	22.99	23.2	2.5
100	256QAM	1	1	20.92	21.00	20.98	21.2	4.5
	Channel			508200	518598	528996	Tune-up limit (dB)	MPR
	Frequency (MHz)			2541	2552.99	2544.98	limit (dB)	
50	1/2 BPS	1	1	25.19	25.23	25.17	25.7	0.0
	Channel			507204	518598	529996	Tune-up limit (dB)	MPR
	Frequency (MHz)			2538.02	2552.99	2540.99	limit (dB)	
80	1/2 BPS	1	1	25.25	25.23	25.20	25.7	0.0
	Channel			506202	518598	531000	Tune-up limit (dB)	MPR
	Frequency (MHz)			2531.01	2552.99	2555	limit (dB)	
70	1/2 BPS	1	1	25.21	25.23	25.19	25.7	0.0
	Channel			505200	518598	531996	Tune-up limit (dB)	MPR
	Frequency (MHz)			2526	25.57	2599.98	limit (dB)	
60	1/2 BPS	1	1	25.24	25.22	25.22	25.7	0.0
	Channel			504204	518598	532998	Tune-up limit (dB)	MPR
	Frequency (MHz)			2521.02	2552.99	2584.99	limit (dB)	
50	1/2 BPS	1	1	25.20	25.23	25.19	25.7	0.0
	Channel			503202	518598	534000	Tune-up limit (dB)	MPR
	Frequency (MHz)			2519.04	2552.99	2580	limit (dB)	
40	1/2 BPS	1	1	25.18	25.23	25.19	25.7	0.0
	Channel			502200	518598	534996	Tune-up limit (dB)	MPR
	Frequency (MHz)			2511	2552.99	2574.98	limit (dB)	
30	1/2 BPS	1	1	25.24	25.24	25.20	25.7	0.0
	Channel			502200	518598	534996	Tune-up limit (dB)	MPR
	Frequency (MHz)			2519	25.26	25.19	25.7	0.0
25	1/2 BPS	1	1	25.19	25.26	25.19	25.7	0.0
	Channel			501204	518598	535998	Tune-up limit (dB)	MPR
	Frequency (MHz)			2522	25.21	25.20	25.7	0.0
20	1/2 BPS	1	1	25.22	25.21	25.20	25.7	0.0
	Channel			500700	518598	536496	Tune-up limit (dB)	MPR
	Frequency (MHz)			2509.5	2552.99	2593.48	limit (dB)	
15	1/2 BPS	1	1	25.18	25.23	25.19	25.7	0.0
	Channel			500202	518598	537000	Tune-up limit (dB)	MPR
	Frequency (MHz)			2501.01	2552.99	2585	limit (dB)	
10	1/2 BPS	1	1	25.18	25.25	25.23	25.7	0.0



n5 Ant1 DSI 5									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
20	1/2 BPSK	1	1	20.09	20.07	20.16			
20	1/2 BPSK	1	53	20.15	20.26	20.04		20.7	0.0
20	1/2 BPSK	1	104	20.22	20.17	20.18			
20	1/2 BPSK	50	0	20.11	20.23	20.10		20.7	0.0
20	1/2 BPSK	50	88	20.15	20.15	20.16		20.7	0.0
20	1/2 BPSK	50	56	20.08	20.21	20.07		20.7	0.0
20	QPSK	1	1	20.20	20.33	20.08			
20	QPSK	1	53	19.96	20.14	20.11		20.7	0.0
20	QPSK	1	104	20.08	20.15	20.15			
20	QPSK	50	9	20.21	20.25	20.14		20.7	0.0
20	QPSK	50	26	20.21	20.30	20.14		20.7	0.0
20	QPSK	50	56	20.10	20.14	20.15		20.7	0.0
20	QPSK	100	0	20.11	20.26	20.15		20.7	0.0
20	16QAM	1	1	20.06	20.06	20.20		20.7	0.0
20	16QAM	1	1	20.28	20.09	20.21		20.7	0.0
20	256QAM	1	1	20.17	20.26	20.21		20.7	0.0
	Channel			168300	167300	168300	Tune-up	MPR	
15	QPSK	1	1	20.10	20.22	19.99	limit (dB)		20.7
	Channel			168800	167900	168800	Tune-up	MPR	
10	QPSK	1	1	20.13	20.23	19.99	limit (dB)		20.7
	Channel			168300	167900	168300	Tune-up	MPR	
5	QPSK	1	1	20.18	20.25	20.00	limit (dB)		20.7

n7 Ant1 Other PA DSI 5									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
40	1/2 BPSK	1	1	20.38	20.06	20.29			
40	1/2 BPSK	1	108	20.28	20.25	20.18		20.7	0.0
40	1/2 BPSK	1	214	20.19	20.18	20.23			
40	1/2 BPSK	108	0	20.24	20.23	20.18		20.7	0.0
40	1/2 BPSK	108	54	20.23	20.16	20.22		20.7	0.0
40	1/2 BPSK	108	108	20.19	20.30	20.16		20.7	0.0
40	QPSK	1	1	20.31	20.38	20.21			
40	QPSK	1	108	20.14	20.25	20.16		20.7	0.0
40	QPSK	1	214	20.05	20.22	20.21		20.7	0.0
40	QPSK	108	0	20.15	20.16	20.12		20.7	0.0
40	QPSK	108	54	20.24	20.35	20.33		20.7	0.0
40	QPSK	108	108	20.28	20.28	20.27		20.7	0.0
40	QPSK	216	0	20.23	20.31	20.10		20.7	0.0
40	16QAM	1	1	20.08	20.28	20.28		20.7	0.0
40	16QAM	1	1	20.14	20.24	20.04		20.7	0.0
40	256QAM	1	1	20.08	20.11	20.10		20.7	0.0
	Channel			503500	507000	510500	Tune-up	MPR	
35	QPSK	1	1	20.29	20.27	20.17	limit (dB)		20.7
	Channel			503000	507000	511000	Tune-up	MPR	
30	QPSK	1	1	20.29	20.32	20.17	limit (dB)		20.7
	Channel			502500	507000	511500	Tune-up	MPR	
25	QPSK	1	1	20.29	20.31	20.15	limit (dB)		20.7
	Channel			502000	507000	512000	Tune-up	MPR	
20	QPSK	1	1	20.29	20.32	20.15	limit (dB)		20.7
	Channel			501500	507000	512500	Tune-up	MPR	
15	QPSK	1	1	20.29	20.33	20.09	limit (dB)		20.7
	Channel			501000	507000	513000	Tune-up	MPR	
10	QPSK	1	1	20.28	20.35	20.10	limit (dB)		20.7
	Channel			500500	507000	513500	Tune-up	MPR	
5	QPSK	1	1	20.28	20.36	20.18	limit (dB)		20.7

n12 Ant1 DSI 5									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
15	1/2 BPSK	1	1	21.50	21.39	21.50			
15	1/2 BPSK	1	40	21.59	21.55	21.45		22.2	0.0
15	1/2 BPSK	1	77	21.50	21.54	21.52			
15	1/2 BPSK	36	0	21.53	21.54	21.43		22.2	0.0
15	1/2 BPSK	36	22	21.48	21.56	21.56		22.2	0.0
15	1/2 BPSK	36	43	21.47	21.52	21.38		22.2	0.0
15	1/2 BPSK	75	0	21.48	21.42	21.38			
15	QPSK	1	1	21.58	21.60	21.55			
15	QPSK	1	40	21.39	21.50	21.50		22.2	0.0
15	QPSK	1	77	21.43	21.47	21.59			
15	QPSK	36	0	21.51	21.54	21.35		22.2	0.0
15	QPSK	36	22	21.45	21.57	21.53		22.2	0.0
15	QPSK	36	43	21.50	21.49	21.50		22.2	0.0
15	QPSK	75	0	21.47	21.55	21.37		22.2	0.0
15	16QAM	1	1	21.35	21.42	21.57		22.2	0.0
15	16QAM	1	1	21.53	21.46	21.41		22.2	0.0
15	256QAM	1	1	20.36	20.37	20.35		21.7	1.0
	Channel			140800	141500	142200	Tune-up	MPR	
10	QPSK	1	1	21.53	21.48	21.46	limit (dB)		22.2
	Channel			140300	141500	142700	Tune-up	MPR	
5	QPSK	1	1	21.53	21.51	21.53	limit (dB)		22.2



n26 Ant1 DSI 5								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. F.Freq. 164800	Power Middle Ch. F.Freq. 166300	Power High Ch. F.Freq. 167800	Tune-up limit (dBm)	MPR (dB)
				824	831.5	839		
20	1/2 BPSK	1	1	20.18	20.13	20.27		
20	1/2 BPSK	1	53	20.24	20.32	20.12	20.7	0.0
20	1/2 BPSK	1	104	20.26	20.27	20.22		
20	1/2 BPSK	50	0	20.13	20.29	20.21	20.7	0.0
20	1/2 BPSK	50	28	20.25	20.17	20.25	20.7	0.0
20	1/2 BPSK	50	58	20.14	20.26	20.11	20.7	0.0
20	1/2 BPSK	100	0	20.26	20.27	20.16	20.7	0.0
20	QPSK	1	1	20.30	20.42	20.16		
20	QPSK	1	53	20.00	20.16	20.22	20.7	0.0
20	QPSK	1	104	20.19	20.24	20.18		
20	QPSK	50	0	20.30	20.27	20.18	20.7	0.0
20	QPSK	50	28	20.27	20.35	20.23	20.7	0.0
20	QPSK	50	58	20.17	20.22	20.22	20.7	0.0
20	QPSK	100	0	20.20	20.32	20.19	20.7	0.0
20	16QAM	1	1	20.14	20.19	20.25	20.7	0.0
20	16QAM	1	1	20.37	20.15	20.31	20.7	0.0
20	256QAM	1	1	20.20	20.30	20.29	20.7	0.0
	Channel			164300	166300	168300	Tune-up limit (dB)	MPR
	Frequency (MHz)			824.5	831.5	841.5	limit (dB)	
15	QPSK	1	1	20.27	20.35	20.12	20.7	0.0
	Channel			163800	166300	168800	Tune-up limit (dB)	MPR
	Frequency (MHz)			810	831.5	844	limit (dB)	
10	QPSK	1	1	20.10	20.35	20.05	20.7	0.0
	Channel			163300	166300	168300	Tune-up limit (dB)	MPR
	Frequency (MHz)			816.5	831.5	846.5	limit (dB)	
5	QPSK	1	1	20.21	20.33	20.05	20.7	0.0

n66 Ant1 DSI 5								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. F.Freq. 349000	Power Middle Ch. F.Freq. 349000	Power High Ch. F.Freq. 352000	Tune-up limit (dBm)	MPR (dB)
				1730	1745	1760		
40	1/2 BPSK	1	1	16.14	16.00	16.05		
40	1/2 BPSK	1	108	16.04	16.13	16.02	17.5	0.0
40	1/2 BPSK	1	214	16.20	15.99	16.07		
40	1/2 BPSK	108	0	16.08	16.20	16.08	17.5	0.0
40	1/2 BPSK	108	54	16.10	16.07	16.25	17.5	0.0
40	1/2 BPSK	108	108	16.03	16.11	16.05	17.5	0.0
40	1/2 BPSK	216	0	16.11	16.07	16.98		
40	QPSK	1	1	16.23	16.28	16.18		
40	QPSK	1	108	15.99	16.15	16.08	17.5	0.0
40	QPSK	1	214	16.97	16.12	16.22		
40	QPSK	108	0	16.06	16.14	15.98	17.5	0.0
40	QPSK	108	54	16.06	16.24	16.20	17.5	0.0
40	QPSK	108	108	16.11	16.11	16.22	17.5	0.0
40	QPSK	216	0	16.06	16.19	15.95		
40	16QAM	1	1	16.02	16.08	16.01	17.5	0.0
40	16QAM	1	1	16.22	16.04	16.05	17.5	0.0
40	256QAM	1	1	16.02	16.05	16.09	17.5	0.0
	Channel			345500	349000	352500	Tune-up limit (dB)	MPR
	Frequency (MHz)			1727.5	1745	1762.5	limit (dB)	
35	QPSK	1	1	16.21	16.17	16.02	17.5	0.0
	Channel			345000	349000	353000	Tune-up limit (dB)	MPR
	Frequency (MHz)			1725	1745	1765	limit (dB)	
30	QPSK	1	1	16.15	16.22	16.08	17.5	0.0
	Channel			344500	349000	353500	Tune-up limit (dB)	MPR
	Frequency (MHz)			1722.5	1745	1767.5	limit (dB)	
25	QPSK	1	1	16.21	16.15	16.10	17.5	0.0
	Channel			344000	349000	354000	Tune-up limit (dB)	MPR
	Frequency (MHz)			1720	1745	1770	limit (dB)	
20	QPSK	1	1	16.22	16.17	16.16	17.5	0.0
	Channel			343500	349000	354500	Tune-up limit (dB)	MPR
	Frequency (MHz)			1717.5	1745	1772.5	limit (dB)	
15	QPSK	1	1	16.16	16.21	16.15	17.5	0.0
	Channel			343000	349000	355000	Tune-up limit (dB)	MPR
	Frequency (MHz)			1715	1745	1775	limit (dB)	
10	QPSK	1	1	16.21	16.20	16.13	17.5	0.0
	Channel			342500	349000	355500	Tune-up limit (dB)	MPR
	Frequency (MHz)			1712.5	1745	1777.5	limit (dB)	
5	QPSK	1	1	16.12	16.16	16.09	17.5	0.0



Part270 n77 Ant1 Other PA DSI 5 PC2

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power (Low, Middle, High Ch./Freq.), Tune-up limit (dBm), MPR (dB). Rows include Frequency (MHz) and QPSK configurations.

Part27Q n77 Ant1 Other PA DSI 5

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power (Low, Middle, High Ch./Freq.), Tune-up limit (dBm), MPR (dB). Rows include Frequency (MHz) and QPSK configurations.

Part27Q n77 Ant1 Other PA DSI 5 PC2

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power (Low, Middle, High Ch./Freq.), Tune-up limit (dBm), MPR (dB). Rows include Frequency (MHz) and QPSK configurations.

Part270 n78 Ant1 Other PA DSI 5

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power (Low, Middle, High Ch./Freq.), Tune-up limit (dBm), MPR (dB). Rows include Frequency (MHz) and QPSK configurations.



Part270 n78 Ant1 Other PA DSI 5							
PC2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm) / MPR (dB)
Channel							
Frequency (MHz)							
100	1/2 BPSK	1	1	21.91			23.0 0.0
100	1/2 BPSK	1	137	22.03			23.0 0.0
100	1/2 BPSK	1	271	22.03			23.0 0.0
100	1/2 BPSK	135	0	22.04			23.0 0.0
100	1/2 BPSK	135	69	22.04			23.0 0.0
100	1/2 BPSK	135	138	22.01			23.0 0.0
100	1/2 BPSK	270	0	22.00			23.0 0.0
100	QPSK	1	1	22.17			23.0 0.0
100	QPSK	1	137	21.97			23.0 0.0
100	QPSK	1	271	21.98			23.0 0.0
100	QPSK	135	0	22.03			23.0 0.0
100	QPSK	135	69	22.13			23.0 0.0
100	QPSK	135	138	21.97			23.0 0.0
100	QPSK	270	0	22.04			23.0 0.0
100	16QAM	1	1	21.99			23.0 0.0
100	16QAM	1	1	21.98			23.0 0.0
100	16QAM	1	1	22.08			23.0 0.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	64868	65000	65034	Tune-up limit (dB) / MPR (dB)
Channel							
Frequency (MHz)							
80	QPSK	1	1	64934	65000	65068	Tune-up limit (dB) / MPR (dB)
Channel							
Frequency (MHz)							
70	QPSK	1	1	64900	65000	65100	Tune-up limit (dB) / MPR (dB)
Channel							
Frequency (MHz)							
60	QPSK	1	1	64868	65000	65134	Tune-up limit (dB) / MPR (dB)
Channel							
Frequency (MHz)							
50	QPSK	1	1	64834	65000	65168	Tune-up limit (dB) / MPR (dB)
Channel							
Frequency (MHz)							
40	QPSK	1	1	64800	65000	65200	Tune-up limit (dB) / MPR (dB)
Channel							
Frequency (MHz)							
30	QPSK	1	1	64768	65000	65234	Tune-up limit (dB) / MPR (dB)
Channel							
Frequency (MHz)							
25	QPSK	1	1	64734	65000	65268	Tune-up limit (dB) / MPR (dB)
Channel							
Frequency (MHz)							
20	QPSK	1	1	64700	65000	65300	Tune-up limit (dB) / MPR (dB)
Channel							
Frequency (MHz)							
15	QPSK	1	1	64668	65000	65334	Tune-up limit (dB) / MPR (dB)
Channel							
Frequency (MHz)							
10	QPSK	1	1	64634	65000	65368	Tune-up limit (dB) / MPR (dB)

Part27Q n78 Ant1 Other PA DSI 5							
Channel							
Frequency (MHz)							
100	1/2 BPSK	1	1	3000.01			20.0 0.0
100	1/2 BPSK	1	137	19.12			20.0 0.0
100	1/2 BPSK	1	271	19.16			20.0 0.0
100	1/2 BPSK	135	0	19.19			20.0 0.0
100	1/2 BPSK	135	69	19.25			20.0 0.0
100	1/2 BPSK	135	138	19.25			20.0 0.0
100	1/2 BPSK	270	0	19.16			20.0 0.0
100	1/2 BPSK	270	0	19.19			20.0 0.0
100	QPSK	1	1	19.25			20.0 0.0
100	QPSK	1	137	19.21			20.0 0.0
100	QPSK	1	271	19.13			20.0 0.0
100	QPSK	135	0	19.26			20.0 0.0
100	QPSK	135	69	19.34			20.0 0.0
100	QPSK	135	138	19.26			20.0 0.0
100	QPSK	270	0	19.23			20.0 0.0
100	16QAM	1	1	19.20			20.0 0.0
100	16QAM	1	1	19.16			20.0 0.0
100	16QAM	1	1	19.22			20.0 0.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	63300	63334	63368	Tune-up limit (dB) / MPR (dB)
Channel							
Frequency (MHz)							
80	QPSK	1	1	63268	63334	63400	Tune-up limit (dB) / MPR (dB)
Channel							
Frequency (MHz)							
70	QPSK	1	1	63234	63334	63434	Tune-up limit (dB) / MPR (dB)
Channel							
Frequency (MHz)							
60	QPSK	1	1	63200	63334	63468	Tune-up limit (dB) / MPR (dB)
Channel							
Frequency (MHz)							
50	QPSK	1	1	63168	63334	63500	Tune-up limit (dB) / MPR (dB)
Channel							
Frequency (MHz)							
40	QPSK	1	1	63134	63334	63534	Tune-up limit (dB) / MPR (dB)
Channel							
Frequency (MHz)							
30	QPSK	1	1	63100	63334	63568	Tune-up limit (dB) / MPR (dB)
Channel							
Frequency (MHz)							
25	QPSK	1	1	63068	63334	63600	Tune-up limit (dB) / MPR (dB)
Channel							
Frequency (MHz)							
20	QPSK	1	1	63034	63334	63634	Tune-up limit (dB) / MPR (dB)
Channel							
Frequency (MHz)							
15	QPSK	1	1	63000	63334	63668	Tune-up limit (dB) / MPR (dB)
Channel							
Frequency (MHz)							
10	QPSK	1	1	62968	63334	63700	Tune-up limit (dB) / MPR (dB)

Part27Q n78 Ant1 Other PA DSI 5 PC2							
Channel							
Frequency (MHz)							
100	1/2 BPSK	1	1	3500.01			23.0 0.0
100	1/2 BPSK	1	137	22.14			23.0 0.0
100	1/2 BPSK	1	271	22.33			23.0 0.0
100	1/2 BPSK	135	0	22.43			23.0 0.0
100	1/2 BPSK	135	69	22.28			23.0 0.0
100	1/2 BPSK	135	138	22.29			23.0 0.0
100	1/2 BPSK	270	0	22.25			23.0 0.0
100	QPSK	1	1	22.46			23.0 0.0
100	QPSK	1	137	22.26			23.0 0.0
100	QPSK	1	271	22.27			23.0 0.0
100	QPSK	135	0	22.41			23.0 0.0
100	QPSK	135	69	22.45			23.0 0.0
100	QPSK	135	138	22.34			23.0 0.0
100	QPSK	270	0	22.41			23.0 0.0
100	16QAM	1	1	22.33			23.0 0.0
100	16QAM	1	1	22.26			23.0 0.0
100	16QAM	1	1	22.35			23.0 0.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	63300	63334	63368	Tune-up limit (dB) / MPR (dB)
Channel							
Frequency (MHz)							
80	QPSK	1	1	63268	63334	63400	Tune-up limit (dB) / MPR (dB)
Channel							
Frequency (MHz)							
70	QPSK	1	1	63234	63334	63434	Tune-up limit (dB) / MPR (dB)
Channel							
Frequency (MHz)							
60	QPSK	1	1	63200	63334	63468	Tune-up limit (dB) / MPR (dB)
Channel							
Frequency (MHz)							
50	QPSK	1	1	63168	63334	63500	Tune-up limit (dB) / MPR (dB)
Channel							
Frequency (MHz)							
40	QPSK	1	1	63134	63334	63534	Tune-up limit (dB) / MPR (dB)
Channel							
Frequency (MHz)							
30	QPSK	1	1	63100	63334	63568	Tune-up limit (dB) / MPR (dB)
Channel							
Frequency (MHz)							
25	QPSK	1	1	63068	63334	63600	Tune-up limit (dB) / MPR (dB)
Channel							
Frequency (MHz)							
20	QPSK	1	1	63034	63334	63634	Tune-up limit (dB) / MPR (dB)
Channel							
Frequency (MHz)							
15	QPSK	1	1	63000	63334	63668	Tune-up limit (dB) / MPR (dB)
Channel							
Frequency (MHz)							
10	QPSK	1	1	62968	63334	63700	Tune-up limit (dB) / MPR (dB)



n38 Ant5 DSI 5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dB)	MPR (dB)
				519004	519000	519996		
				2590.02	2595	2599.98		
40	1/2 BPSK	1	1	15.23	15.06	15.23	15.7	0.0
40	1/2 BPSK	1	53	15.22	15.15	15.21		
40	1/2 BPSK	1	104	15.15	15.22	15.09		
40	1/2 BPSK	50	0	15.24	15.27	15.14	15.7	0.0
40	1/2 BPSK	50	28	15.24	15.23	15.23	15.7	0.0
40	1/2 BPSK	50	56	15.26	15.21	15.10	15.7	0.0
40	1/2 BPSK	100	0	15.24	15.13	15.15	15.7	0.0
40	QPSK	1	1	15.25	15.33	15.20		
40	QPSK	1	53	15.13	15.22	15.15	15.7	0.0
40	QPSK	1	104	15.15	15.21	15.26		
40	QPSK	50	0	15.26	15.09	15.15	15.7	0.0
40	QPSK	50	28	15.20	15.20	15.19	15.7	0.0
40	QPSK	50	56	15.18	15.21	15.25	15.7	0.0
40	QPSK	100	0	15.24	15.26	15.13	15.7	0.0
40	16QAM	1	1	15.18	15.21	15.14	15.7	0.0
40	16QAM	1	1	15.13	15.16	15.19	15.7	0.0
40	256QAM	1	1	15.11	15.19	15.23	15.7	0.0
				517002	519000	520998		
				2583.01	2595	2604.99		
30	QPSK	1	1	15.20	15.23	15.19	15.7	0.0
				516504	519000	521496		
				2592.52	2595	2607.48		
25	QPSK	1	1	15.15	15.23	15.15	15.7	0.0
				516000	519000	522000		
				2580	2595	2610		
20	QPSK	1	1	15.24	15.23	15.15	15.7	0.0
				515502	519000	522498		
				2577.51	2595	2612.49		
15	QPSK	1	1	15.17	15.24	15.17	15.7	0.0
				515004	519000	522996		
				2575.02	2595	2614.98		
10	QPSK	1	1	15.21	15.21	15.14	15.7	0.0

n41 Ant5 DSI 5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dB)	MPR (dB)
				509202	518996	528000		
				2546.01	2592.99	2640		
100	1/2 BPSK	1	1	15.15	14.98	15.05		
100	1/2 BPSK	1	197	15.19	15.14	15.08	15.7	0.0
100	1/2 BPSK	1	271	15.12	15.16	15.14		
100	1/2 BPSK	135	0	15.16	15.09	15.01	15.7	0.0
100	1/2 BPSK	135	69	15.07	15.17	15.09	15.7	0.0
100	1/2 BPSK	135	138	15.13	15.15	15.10	15.7	0.0
100	1/2 BPSK	270	0	15.12	15.07	15.01	15.7	0.0
100	QPSK	1	1	15.11	15.25	15.18		
100	QPSK	1	137	15.03	15.14	14.98	15.7	0.0
100	QPSK	1	271	15.07	15.13	15.17		
100	QPSK	135	0	15.14	15.06	14.97	15.7	0.0
100	QPSK	135	69	15.09	15.21	15.12	15.7	0.0
100	QPSK	135	138	15.12	15.14	15.09	15.7	0.0
100	QPSK	270	0	15.16	15.10	14.95	15.7	0.0
100	16QAM	1	1	15.09	15.08	15.09	15.7	0.0
100	16QAM	1	1	15.14	15.11	15.19	15.7	0.0
100	256QAM	1	1	15.03	15.14	15.12	15.7	0.0
				508200	518998	528996		
				2541	2592.99	2644.99		
50	QPSK	1	1	15.07	15.22	15.15	15.7	0.0
				507204	518998	529998		
				2539.02	2592.99	2649.99		
80	QPSK	1	1	15.09	15.19	15.13	15.7	0.0
				506202	518998	531000		
				2531.01	2592.99	2655		
70	QPSK	1	1	15.09	15.23	15.09	15.7	0.0
				505200	518998	531996		
				2526	2592.99	2659.99		
60	QPSK	1	1	15.02	15.20	15.14	15.7	0.0
				504204	518998	532998		
				2521.02	2592.99	2664.99		
50	QPSK	1	1	15.07	15.15	15.15	15.7	0.0
				503202	518998	534000		
				2515.01	2592.99	2670		
40	QPSK	1	1	15.03	15.23	15.11	15.7	0.0
				502200	518998	534996		
				2511	2592.99	2674.99		
30	QPSK	1	1	15.09	15.23	15.12	15.7	0.0
				502200	518998	534996		
				2511	2592.99	2674.99		
25	QPSK	1	1	15.02	15.15	15.19	15.7	0.0
				501204	518998	535998		
				2508.02	2592.99	2679.99		
20	QPSK	1	1	15.02	15.19	15.08	15.7	0.0
				500700	518998	536496		
				2505	2592.99	2683.48		
15	QPSK	1	1	15.02	15.20	15.14	15.7	0.0
				500202	518998	537000		
				2501.01	2592.99	2685		
10	QPSK	1	1	15.10	15.15	15.17	15.7	0.0



n2 Ant6 DSI 5								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq. 374000	Power Middle Ch. / Freq. 376000	Power High Ch. / Freq. 378000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	1/2 BPSK	1	1	20.34	20.04	20.27	19.7	0.0
40	1/2 BPSK	1	108	20.31	20.26	20.18	19.7	0.0
40	1/2 BPSK	1	214	20.18	20.21	20.15	19.7	0.0
40	1/2 BPSK	108	0	20.23	20.26	20.17	19.7	0.0
40	1/2 BPSK	108	54	20.16	20.20	20.32	19.7	0.0
40	1/2 BPSK	108	108	20.19	20.21	20.22	19.7	0.0
40	1/2 BPSK	216	0	20.22	20.20	20.16	19.7	0.0
40	QPSK	1	1	20.27	20.36	20.27	19.7	0.0
40	QPSK	1	108	20.09	20.17	20.16	19.7	0.0
40	QPSK	1	214	20.08	20.13	20.17	19.7	0.0
40	QPSK	108	9	20.17	20.21	20.18	19.7	0.0
40	QPSK	108	54	20.23	20.32	20.27	19.7	0.0
40	QPSK	108	108	20.23	20.23	20.15	19.7	0.0
40	QPSK	216	9	20.20	20.26	20.10	19.7	0.0
40	16QAM	1	1	20.12	20.26	20.22	19.7	0.0
40	16QAM	1	1	20.24	20.19	20.28	19.7	0.0
40	256QAM	1	1	19.91	19.98	19.93	19.7	0.0
Channel								
Frequency (MHz)								
35	QPSK	1	1	18.93	18.99	18.92	18.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	20.18	20.34	20.20	21.7	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	19.27	19.30	19.27	19.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.25	19.25	19.25	19.7	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.21	20.29	20.22	21.7	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.22	20.26	20.25	21.7	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	20.19	20.31	20.23	21.7	0.0

n7 Ant6 DSI 5								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq. 504000	Power Middle Ch. / Freq. 507000	Power High Ch. / Freq. 510000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	1/2 BPSK	1	1	19.02	18.97	18.91	19.7	0.0
40	1/2 BPSK	1	108	19.05	19.03	18.97	19.7	0.0
40	1/2 BPSK	1	214	19.08	18.93	19.09	19.7	0.0
40	1/2 BPSK	108	0	19.07	19.08	18.99	19.7	0.0
40	1/2 BPSK	108	54	19.00	19.01	19.08	19.7	0.0
40	1/2 BPSK	108	108	19.07	19.04	19.03	19.7	0.0
40	1/2 BPSK	216	0	18.97	19.03	19.02	19.7	0.0
40	QPSK	1	1	19.01	19.17	19.02	19.7	0.0
40	QPSK	1	108	18.99	19.03	18.87	19.7	0.0
40	QPSK	1	214	18.94	19.07	19.07	19.7	0.0
40	QPSK	108	9	19.00	18.98	18.99	19.7	0.0
40	QPSK	108	54	19.01	19.14	18.99	19.7	0.0
40	QPSK	108	108	19.08	19.04	19.06	19.7	0.0
40	QPSK	216	9	18.98	19.05	18.85	19.7	0.0
40	16QAM	1	1	18.86	18.92	19.00	19.7	0.0
40	16QAM	1	1	19.07	18.97	19.01	19.7	0.0
40	256QAM	1	1	18.88	19.06	18.85	19.7	0.0
Channel								
Frequency (MHz)								
35	QPSK	1	1	18.91	19.14	18.89	19.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.36	19.12	19.97	19.7	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	19.30	19.11	19.00	19.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.34	19.08	18.99	19.7	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.84	19.10	18.99	19.7	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.94	19.16	18.98	19.7	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	18.99	19.08	18.92	19.7	0.0

n66 Ant6 DSI 5								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq. 346000	Power Middle Ch. / Freq. 349000	Power High Ch. / Freq. 352000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	1/2 BPSK	1	1	18.25	18.07	18.23	19.7	0.0
40	1/2 BPSK	1	108	18.28	18.26	18.19	19.7	0.0
40	1/2 BPSK	1	214	18.29	18.15	18.21	19.7	0.0
40	1/2 BPSK	108	0	18.20	18.27	18.20	19.7	0.0
40	1/2 BPSK	108	54	18.20	18.20	18.23	19.7	0.0
40	1/2 BPSK	108	108	18.22	18.23	18.15	19.7	0.0
40	1/2 BPSK	216	0	18.18	18.11	18.10	19.7	0.0
40	QPSK	1	1	18.28	18.36	18.22	19.7	0.0
40	QPSK	1	108	18.19	18.17	18.13	19.7	0.0
40	QPSK	1	214	18.07	18.18	18.33	19.7	0.0
40	QPSK	108	9	18.16	18.23	18.08	19.7	0.0
40	QPSK	108	54	18.25	18.32	18.22	19.7	0.0
40	QPSK	108	108	18.19	18.22	18.28	19.7	0.0
40	QPSK	216	9	18.11	18.28	18.16	19.7	0.0
40	16QAM	1	1	18.08	18.18	18.27	19.7	0.0
40	16QAM	1	1	18.25	18.08	18.20	19.7	0.0
40	256QAM	1	1	18.05	18.26	18.16	19.7	0.0
Channel								
Frequency (MHz)								
35	QPSK	1	1	18.23	18.31	18.16	19.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.21	18.32	18.11	19.7	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	18.20	18.30	18.13	19.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.19	18.32	18.13	19.7	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.20	18.25	18.20	19.7	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.28	18.29	18.20	19.7	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	18.20	18.29	18.20	19.7	0.0



n38 Ant6 DSI 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)										
40	1/2 BPSK	1	1	2590.02	2595	2599.98				
40	1/2 BPSK	1	1	18.16	17.94	18.03				
40	1/2 BPSK	1	53	18.15	18.16	18.16	19.0	0.0		
40	1/2 BPSK	1	104	18.07	18.08	18.09				
40	1/2 BPSK	50	0	18.14	18.11	18.05	19.0	0.0		
40	1/2 BPSK	50	28	18.07	18.10	18.11	19.0	0.0		
40	1/2 BPSK	50	56	18.13	18.18	18.00	19.0	0.0		
40	1/2 BPSK	100	0	18.05	18.09	18.14				
40	QPSK	1	1	18.20	18.22	18.18				
40	QPSK	1	53	18.06	18.12	18.06	19.0	0.0		
40	QPSK	1	104	18.03	18.16	18.07				
40	QPSK	50	0	18.13	18.14	18.07	19.0	0.0		
40	QPSK	50	28	18.11	18.19	18.13	19.0	0.0		
40	QPSK	50	56	18.15	18.09	18.14	19.0	0.0		
40	16QAM	1	1	18.10	18.02	18.05	19.0	0.0		
40	16QAM	1	1	18.07	18.10	18.07	19.0	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	18.12	18.14	18.15	19.0	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	18.15	18.15	18.12	19.0	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	18.19	18.14	18.08	19.0	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	18.13	18.13	18.10	19.0	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	18.13	18.16	18.10	19.0	0.0		

n41 Ant6 DSI 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)										
100	1/2 BPSK	1	1	2546.01	2592.99	2640				
100	1/2 BPSK	1	1	18.21	18.08	18.09				
100	1/2 BPSK	1	137	18.25	18.18	18.18	19.7	0.0		
100	1/2 BPSK	1	274	18.15	18.10	18.19				
100	1/2 BPSK	135	0	18.22	18.21	18.17	19.7	0.0		
100	1/2 BPSK	135	69	18.14	18.16	18.22	19.7	0.0		
100	1/2 BPSK	135	138	18.20	18.16	18.13	19.7	0.0		
100	1/2 BPSK	270	0	18.21	18.19	18.19				
100	QPSK	1	1	18.23	18.26	18.25				
100	QPSK	1	137	18.12	18.10	18.09	19.7	0.0		
100	QPSK	1	274	18.12	18.21	18.18				
100	QPSK	135	0	18.20	18.13	18.13	19.7	0.0		
100	QPSK	135	69	18.23	18.27	18.17	19.7	0.0		
100	QPSK	135	138	18.18	18.10	18.21	19.7	0.0		
100	QPSK	270	0	18.16	18.22	18.09				
100	16QAM	1	1	18.08	18.08	18.19	19.7	0.0		
100	16QAM	1	1	18.18	18.07	18.21	19.7	0.0		
100	256QAM	1	1	18.15	18.17	18.16	19.7	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	18.21	18.17	18.21	19.7	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	18.13	18.23	18.14	19.7	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	18.15	18.25	18.23	19.7	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	18.21	18.23	18.19	19.7	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	18.12	18.23	18.23	19.7	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	18.21	18.26	18.14	19.7	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	18.15	18.24	18.16	19.7	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	18.21	18.22	18.24	19.7	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	18.15	18.26	18.22	19.7	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	18.16	18.20	18.20	19.7	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	18.16	18.26	18.18	19.7	0.0		

Part96 n48 Ant6 DSI 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)										
40	1/2 BPSK	1	1	3570	3624.99	3679.98				
40	1/2 BPSK	1	1	18.11	17.98	18.13				
40	1/2 BPSK	1	53	18.13	18.17	18.06	19.5	0.0		
40	1/2 BPSK	1	104	18.04	18.12	18.04				
40	1/2 BPSK	50	0	18.16	18.12	18.12	19.5	0.0		
40	1/2 BPSK	50	28	18.07	18.13	18.11	19.5	0.0		
40	1/2 BPSK	50	56	18.07	18.12	18.10	19.5	0.0		
40	1/2 BPSK	100	0	18.11	18.12	18.03				
40	QPSK	1	1	18.14	18.21	18.09				
40	QPSK	1	53	17.97	18.14	18.02	19.5	0.0		
40	QPSK	1	104	18.07	18.10	18.05				
40	QPSK	50	0	18.08	18.09	18.00	19.5	0.0		
40	QPSK	50	28	18.17	18.19	18.09	19.5	0.0		
40	QPSK	50	56	18.14	18.05	18.16	19.5	0.0		
40	16QAM	1	1	18.14	18.16	18.10				
40	16QAM	1	1	18.08	18.12	18.13	19.5	0.0		
40	16QAM	1	1	18.11	18.02	18.17	19.5	0.0		
40	256QAM	1	1	18.09	18.15	18.11	19.5	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	18.03	18.13	18.09	19.5	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	18.12	18.13	18.06	19.5	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	18.17	18.13	17.95	19.5	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	18.12	18.13	18.00	19.5	0.0		

Part270 n77 Ant6 DSI 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)										
100	1/2 BPSK	1	1	6498	6540	6580				
100	1/2 BPSK	1	1	19.58	19.49	19.57				
100	1/2 BPSK	1	137	19.58	19.54	19.52	21.0	0.0		
100	1/2 BPSK	1	274	19.57	19.54	19.51				
100	1/2 BPSK	135	0	19.53	19.64	19.54	21.0	0.0		
100	1/2 BPSK	135	69	19.62	19.43	19.56	21.0	0.0		
100	1/2 BPSK	135	138	19.60	19.63	19.51	21.0	0.0		
100	1/2 BPSK	270	0	19.57	19.56	19.47				
100	QPSK	1	1	19.63	19.66	19.64				
100	QPSK	1	137	19.49	19.58	19.44	21.0	0.0		
100	QPSK	1	274	19.46	19.52	19.62				
100	QPSK	135	0	19.56	19.56	19.43	21.0	0.0		
100	QPSK	135	69	19.56	19.64	19.62	21.0	0.0		
100	QPSK	135	138	19.62	19.52	19.58	21.0	0.0		
100	QPSK	270	0	19.48	19.52	19.48				
100	16QAM	1	1	19.46	19.62	19.48	21.0	0.0		
100	16QAM	1	1	19.62	19.46	19.60	21.0	0.0		
100	256QAM	1	1	19.47	19.57	19.46	21.0	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	19.57	19.50	19.62	21.0	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	19.59	19.54	19.62	21.0	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	19.52	19.63	19.56	21.0	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	19.60	19.55	19.54	21.0	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	19.55	19.63	19.56	21.0	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	19.62	19.61	19.55	21.0	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	19.61	19.59	19.56	21.0	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	19.62	19.61	19.55	21.0	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	19.58	19.58	19.60	21.0	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	19.56	19.56	19.60	21.0	0.0		



Part270 n77 Ant6 DSI 5 PC2

Table with columns: BW [MHz], Modulat ion, RB Size, RB Offset, Power Low Ch. / Freq., Power Middle Ch. / Freq., Power High Ch. / Freq., Tune-up limit (dBm), MPR (dB). Rows include Frequency (MHz) and QPSK configurations for various RB sizes (1, 2, 4, 8, 16, 32, 64).

Part270Q n77 Ant6 DSI 5

Table with columns: BW [MHz], Modulat ion, RB Size, RB Offset, Power Low Ch. / Freq., Power Middle Ch. / Freq., Power High Ch. / Freq., Tune-up limit (dBm), MPR (dB). Rows include Frequency (MHz) and QPSK configurations for various RB sizes (1, 2, 4, 8, 16, 32, 64).

Part270Q n77 Ant6 DSI 5 PC2

Table with columns: BW [MHz], Modulat ion, RB Size, RB Offset, Power Low Ch. / Freq., Power Middle Ch. / Freq., Power High Ch. / Freq., Tune-up limit (dBm), MPR (dB). Rows include Frequency (MHz) and QPSK configurations for various RB sizes (1, 2, 4, 8, 16, 32, 64).

Part270 n78 Ant6 DSI 5

Table with columns: BW [MHz], Modulat ion, RB Size, RB Offset, Power Low Ch. / Freq., Power Middle Ch. / Freq., Power High Ch. / Freq., Tune-up limit (dBm), MPR (dB). Rows include Frequency (MHz) and QPSK configurations for various RB sizes (1, 2, 4, 8, 16, 32, 64).



Part270 n78 Ant6 DSI 5 PC2										
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	UPR (dB)		
Channel										
Frequency (MHz)										
100	1/2 BPSK	1	1		21.83				23.5	0.0
100	1/2 BPSK	1	137		21.95					
100	1/2 BPSK	1	271		21.87					
100	1/2 BPSK	135	0		21.92				23.5	0.0
100	1/2 BPSK	135	69		21.85					
100	1/2 BPSK	135	138		21.83				23.5	0.0
100	1/2 BPSK	270	0		21.96					
100	QPSK	1	1		22.16					
100	QPSK	1	137		21.93				23.5	0.0
100	QPSK	1	271		21.90					
100	QPSK	135	0		21.74				23.5	0.0
100	QPSK	135	69		22.10					
100	QPSK	135	138		21.92				23.5	0.0
100	QPSK	270	0		22.04					
100	16QAM	1	1		22.01				23.5	0.0
100	64QAM	1	1		21.92				23.5	0.0
100	256QAM	1	1		21.81				22.7	0.5
Channel										
Frequency (MHz)										
90	QPSK	1	1	64868	65000	65034	Tune-up	MPR		
				3743.02	3750	3753.01	limit (dB)			
				22.10	22.05	22.05			23.5	0.0
Channel										
Frequency (MHz)										
80	QPSK	1	1	64834	65000	65068	Tune-up	MPR		
				3740.01	3750	3750.02	limit (dB)			
				22.12	22.13	22.09			23.5	0.0
Channel										
Frequency (MHz)										
70	QPSK	1	1	64800	65000	65100	Tune-up	MPR		
				3735	3750	3765	limit (dB)			
				22.14	22.07	22.10			23.5	0.0
Channel										
Frequency (MHz)										
60	QPSK	1	1	64868	65000	65134	Tune-up	MPR		
				3740.01	3750	3740.01	limit (dB)			
				22.12	22.05	22.10			23.5	0.0
Channel										
Frequency (MHz)										
50	QPSK	1	1	64834	65000	65168	Tune-up	MPR		
				3735.04	3750	3743.02	limit (dB)			
				22.08	22.09	22.10			23.5	0.0
Channel										
Frequency (MHz)										
40	QPSK	1	1	64800	65000	65200	Tune-up	MPR		
				3730	3750	3760	limit (dB)			
				22.08	22.08	22.14			23.5	0.0
Channel										
Frequency (MHz)										
30	QPSK	1	1	64768	65000	65234	Tune-up	MPR		
				3725	3750	3765	limit (dB)			
				22.08	22.15	22.12			23.5	0.0
Channel										
Frequency (MHz)										
25	QPSK	1	1	64734	65000	65250	Tune-up	MPR		
				3720	3750	3745	limit (dB)			
				22.12	22.06	22.10			23.5	0.0
Channel										
Frequency (MHz)										
20	QPSK	1	1	64700	65000	65268	Tune-up	MPR		
				3715.04	3750	3760.02	limit (dB)			
				22.07	22.05	22.09			23.5	0.0
Channel										
Frequency (MHz)										
15	QPSK	1	1	64718	65000	65284	Tune-up	MPR		
				3710.50	3750	3762.51	limit (dB)			
				22.11	22.12	22.10			23.5	0.0
Channel										
Frequency (MHz)										
10	QPSK	1	1	64700	65000	65300	Tune-up	MPR		
				3705	3750	3765	limit (dB)			
				22.13	22.10	22.11			23.5	0.0

Part27Q n78 Ant6 DSI 5										
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	UPR (dB)		
Channel										
Frequency (MHz)										
100	1/2 BPSK	1	1		18.93				20.5	0.0
100	1/2 BPSK	1	137		18.82					
100	1/2 BPSK	1	271		18.88					
100	1/2 BPSK	135	0		19.10				20.5	0.0
100	1/2 BPSK	135	69		19.00				20.5	0.0
100	1/2 BPSK	135	138		19.04				20.5	0.0
100	1/2 BPSK	270	0		18.92					
100	QPSK	1	1		19.23					
100	QPSK	1	137		18.88				20.5	0.0
100	QPSK	1	271		18.95					
100	QPSK	135	0		18.85				20.5	0.0
100	QPSK	135	69		19.11				20.5	0.0
100	QPSK	135	138		18.88				20.5	0.0
100	QPSK	270	0		19.02					
100	16QAM	1	1		18.96				20.5	0.0
100	64QAM	1	1		19.07				20.5	0.0
100	256QAM	1	1		19.01				20.5	0.0
Channel										
Frequency (MHz)										
90	QPSK	1	1	63300	63334	63368	Tune-up	MPR		
				3485	3500.01	3503.02	limit (dB)			
				19.19	19.21	19.19			20.5	0.0
Channel										
Frequency (MHz)										
80	QPSK	1	1	63268	63334	63400	Tune-up	MPR		
				3480.02	3500.01	3510	limit (dB)			
				19.19	19.12	19.17			20.5	0.0
Channel										
Frequency (MHz)										
70	QPSK	1	1	63234	63334	63434	Tune-up	MPR		
				3485.01	3500.01	3519.01	limit (dB)			
				19.17	19.13	19.13			20.5	0.0
Channel										
Frequency (MHz)										
60	QPSK	1	1	63200	63334	63468	Tune-up	MPR		
				3480	3500.01	3503.02	limit (dB)			
				19.15	19.10	19.13			20.5	0.0
Channel										
Frequency (MHz)										
50	QPSK	1	1	63168	63334	63500	Tune-up	MPR		
				3475.02	3500.01	3505	limit (dB)			
				19.16	19.12	19.21			20.5	0.0
Channel										
Frequency (MHz)										
40	QPSK	1	1	63134	63334	63534	Tune-up	MPR		
				3470.01	3500.01	3530.01	limit (dB)			
				19.12	19.21	19.14			20.5	0.0
Channel										
Frequency (MHz)										
30	QPSK	1	1	63100	63334	63568	Tune-up	MPR		
				3465	3500.01	3535.02	limit (dB)			
				19.20	19.21	19.13			20.5	0.0
Channel										
Frequency (MHz)										
25	QPSK	1	1	63084	63334	63584	Tune-up	MPR		
				3462.51	3500.01	3537.51	limit (dB)			
				19.14	19.22	19.14			20.5	0.0
Channel										
Frequency (MHz)										
20	QPSK	1	1	63068	63334	63600	Tune-up	MPR		
				3460.02	3500.01	3540	limit (dB)			
				19.14	19.18	19.13			20.5	0.0
Channel										
Frequency (MHz)										
15	QPSK	1	1	63050	63334	63618	Tune-up	MPR		
				3457.5	3500.01	3542.52	limit (dB)			
				19.17	19.14	19.21			20.5	0.0
Channel										
Frequency (MHz)										
10	QPSK	1	1	63034	63334	63634	Tune-up	MPR		
				3455.01	3500.01	3545.01	limit (dB)			
				19.19	19.13	19.18			20.5	0.0

Part27Q n78 Ant6 DSI 5 PC2										
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	UPR (dB)		
Channel										
Frequency (MHz)										
100	1/2 BPSK	1	1		3500.01					
100	1/2 BPSK	1	137		21.93				23.5	0.0
100	1/2 BPSK	1	137		21.97					
100	1/2 BPSK	1	271		21.79					
100	1/2 BPSK	135	0		21.96				23.5	0.0
100	1/2 BPSK	135	69		22.04					
100	1/2 BPSK	135	138		22.16				23.5	0.0
100	1/2 BPSK	270	0		21.97					
100	QPSK	1	1		22.18					
100	QPSK	1	137		21.85				23.5	0.0
100	QPSK	1	271		21.89					
100	QPSK	135	0		21.86				23.5	0.0
100	QPSK	135	69		22.11					
100	QPSK	135	138		21.94				23.5	0.0
100	QPSK	270	0		22.04					
100	16QAM	1	1		21.86				23.6	0.0
100	64QAM	1	1		22.09				23.5	0.0
100	256QAM	1	1		21.90				22.7	0.5
Channel										
Frequency (MHz)										
90	QPSK	1	1	63300	63334	63368	Tune-up	MPR		
				3485	3500.01	3503.02	limit (dB)			
				22.08	22.09	22.13			23.5	0.0
Channel										
Frequency (MHz)										
80	QPSK	1	1	63268	63334	63400	Tune-up	MPR		
				3480.02	3500.01	3510	limit (dB)			
				22.12	22.13	22.15			23.5	0.0
Channel										
Frequency (MHz)										
70	QPSK	1	1	63234	63334	63434	Tune-up	MPR		
				3485.01	3500.01	3519.01	limit (dB)			
				22.10	22.16	22.10			23.5	0.0
Channel										
Frequency (MHz)										
60	QPSK	1	1	63200	63334	63468	Tune-up	MPR		
				3480	3500.01	3503.02	limit (dB)			
				22.15	22.13	22.08			23.5	0.0
Channel										
Frequency (MHz)										
50	QPSK	1	1	63168	63334	63500	Tune-up	MPR		
				3475.02	3500.01	3505	limit (dB)			
				22.11	22.16	22.15			23.5	0.0
Channel										
Frequency (MHz)										
40	QPSK	1	1	63134	63334	63534	Tune-up	MPR		
				3470.01	3500.01	3530.01	limit (dB)			
				22.10	22.14	22.14			23.5	0.0
Channel										
Frequency (MHz)										
30	QPSK	1	1	63100	63334	63568	Tune-up	MPR		
				3465	3500.01	3535.02	limit (dB)			
				22.09	22.15	22.09			23.5	0.0
Channel										
Frequency (MHz)										
25	QPSK	1	1	63084	63334	63584	Tune-up	MPR		
				3462.51	3500.01	3537.51	limit (dB)			
				22.10	22.09	22.16			23.5	0.0
Channel										
Frequency (MHz)										
20	QPSK	1	1	63068						



Part96 n48 Ant7 DSI 5

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up (MHz)	MPR (dB)
Channel								
Frequency (MHz)								
40	1/2 BPSK	1	1	3570	3624.99	3679.98		
40	1/2 BPSK	1	1	18.13	18.03	18.18		
40	1/2 BPSK	1	53	18.13	18.06	18.12	18.7	0.0
40	1/2 BPSK	1	104	18.30	18.08	18.06		
40	1/2 BPSK	50	0	18.14	18.15	18.12	18.7	0.0
40	1/2 BPSK	50	28	18.08	18.07	18.17	18.7	0.0
40	1/2 BPSK	50	56	18.11	18.22	17.99	18.7	0.0
40	1/2 BPSK	100	0	18.09	18.14	18.05		
40	QPSK	1	1	18.19	18.26	18.11		
40	QPSK	1	53	18.12	18.08	18.01	18.7	0.0
40	QPSK	1	104	18.02	18.14	18.09		
40	QPSK	50	0	18.13	18.15	18.06	18.7	0.0
40	QPSK	50	28	18.12	18.23	18.13	18.7	0.0
40	QPSK	50	56	18.16	18.11	18.06	18.7	0.0
40	QPSK	100	0	18.08	18.17	18.01		
40	16QAM	1	1	18.08	18.13	18.04	18.7	0.0
40	16QAM	1	1	18.05	18.13	18.10	18.7	0.0
40	256QAM	1	1	18.01	18.16	18.15	18.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	637688	641666	645666	Tune-up	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	359101	362499	365900	Tune-up	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	637334	641666	646000	Tune-up	MPR
Channel								
Frequency (MHz)								
15	QPSK	1	1	357188	641666	646166	Tune-up	MPR
Channel								
Frequency (MHz)								
15	QPSK	1	1	357552	362499	365243	Tune-up	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	637000	641666	646332	Tune-up	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	3505	362499	364999	Tune-up	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.13	18.23	18.01	18.7	0.0

Part270 n77 Ant7 DSI 5

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up (MHz)	MPR (dB)
Channel								
Frequency (MHz)								
100	1/2 BPSK	1	1	3750	3840	3930		
100	1/2 BPSK	1	1	18.08	18.00	18.02	16.0	0.0
100	1/2 BPSK	1	137	18.04	18.14	18.00		
100	1/2 BPSK	1	274	18.07	18.03	18.13		
100	1/2 BPSK	135	0	18.08	18.10	18.05	16.0	0.0
100	1/2 BPSK	135	69	18.08	18.05	18.14	16.0	0.0
100	1/2 BPSK	135	138	18.06	18.11	18.04	16.0	0.0
100	1/2 BPSK	270	0	18.07	18.06	14.99	16.0	0.0
100	QPSK	1	1	18.10	18.16	18.08		
100	QPSK	1	137	14.93	14.98	14.99	16.0	0.0
100	QPSK	1	274	18.05	18.08	18.09		
100	QPSK	135	0	18.02	18.06	18.00	16.0	0.0
100	QPSK	135	69	18.03	18.14	18.09	16.0	0.0
100	QPSK	135	138	18.08	18.08	18.12	16.0	0.0
100	QPSK	270	0	14.98	18.07	14.98	16.0	0.0
100	16QAM	1	1	14.94	18.05	18.09	16.0	0.0
100	16QAM	1	1	18.08	18.01	18.09	16.0	0.0
100	256QAM	1	1	18.01	18.03	18.01	16.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	374502	3840	3930.01	Tune-up	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.05	18.07	18.02	16.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	649334	656000	662668	Tune-up	MPR
Channel								
Frequency (MHz)								
70	QPSK	1	1	18.05	18.12	18.08	16.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	3735	3840	3945	Tune-up	MPR
Channel								
Frequency (MHz)								
70	QPSK	1	1	17.83	17.91	17.84	19.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	648668	656000	663334	Tune-up	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	3720.01	3840	3950.01	Tune-up	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	17.83	17.92	17.87	19.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	648334	656000	663668	Tune-up	MPR
Channel								
Frequency (MHz)								
50	QPSK	1	1	17.80	18.00	17.82	19.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	648000	656000	664000	Tune-up	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.06	18.11	18.03	16.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	647668	656000	664334	Tune-up	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	374502	3840	3950.01	Tune-up	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.01	18.09	18.03	16.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	647500	656000	664500	Tune-up	MPR
Channel								
Frequency (MHz)								
25	QPSK	1	1	18.05	18.09	18.02	16.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	647334	656000	664668	Tune-up	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.07	18.15	18.08	16.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	3740.01	3840	3970.02	Tune-up	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	3702.50	3840	3972.51	Tune-up	MPR
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.07	18.11	18.07	16.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	647000	656000	665000	Tune-up	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.06	18.11	18.04	16.0	0.0

Part270 n77 Ant7 DSI 5 PC2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up (MHz)	MPR (dB)
Channel								
Frequency (MHz)								
100	1/2 BPSK	1	1	3750	3840	3930		
100	1/2 BPSK	1	1	17.98	17.79	17.93	18.0	0.0
100	1/2 BPSK	1	137	17.80	17.85	17.89		
100	1/2 BPSK	1	274	17.93	17.81	17.89		
100	1/2 BPSK	135	0	17.95	17.88	17.84	19.0	0.0
100	1/2 BPSK	138	69	17.87	17.85	17.93	19.0	0.0
100	1/2 BPSK	138	138	17.85	17.81	17.88	19.0	0.0
100	1/2 BPSK	270	0	17.89	17.87	17.87		
100	QPSK	1	1	17.84	18.02	17.92		
100	QPSK	1	137	17.84	17.87	17.79	19.0	0.0
100	QPSK	1	274	17.81	17.88	17.95		
100	QPSK	138	0	17.88	17.82	17.88	19.0	0.0
100	QPSK	138	69	17.92	17.98	17.94	19.0	0.0
100	QPSK	138	138	17.92	17.86	17.96	19.0	0.0
100	QPSK	270	0	17.83	17.85	17.82		
100	16QAM	1	1	17.84	17.88	17.95	19.0	0.0
100	16QAM	1	1	17.89	17.85	17.81	19.0	0.0
100	256QAM	1	1	17.88	17.87	17.84	19.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	374502	3840	3930.01	Tune-up	MPR
Channel								
Frequency (MHz)								
90	QPSK	1	1	17.81	17.83	17.89	19.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	649334	656000	662668	Tune-up	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	3740.01	3840	3940.02	Tune-up	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	17.83	17.91	17.84	19.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	649000	656000	663000	Tune-up	MPR
Channel								
Frequency (MHz)								
70	QPSK	1	1	3735	3840	3945	Tune-up	MPR
Channel								
Frequency (MHz)								
70	QPSK	1	1	17.80	17.89	17.89	19.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	648668	656000	663334	Tune-up	MPR
Channel								
Frequency (MHz)								
70	QPSK	1	1	3730.02	3840	3950.01	Tune-up	MPR
Channel								
Frequency (MHz)								
70	QPSK	1	1	17.83	17.82	17.87	19.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	648334	656000	663668	Tune-up	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	3725.01	3840	3950.02	Tune-up	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	17.80	18.00	17.82	19.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	648000	656000	664000	Tune-up	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	17.91	17.95	17.82	19.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	647668	656000	664334	Tune-up	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	3718.02	3840	3960.01	Tune-up	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	17.82	17.94	17.89	19.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	647500	656000	664500	Tune-up	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	17.80	17.93	17.85	19.0	0.



Part27Q n77 Ant7 DSI 5 PC2									
BW [MHz]	Modulat ion	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)									
100	1/2 BPSK	1	1	17.82	3500.01				
100	1/2 BPSK	1	137	17.89			19.0	0.0	
100	1/2 BPSK	1	271	17.95					
100	1/2 BPSK	135	0	17.98			19.0	0.0	
100	1/2 BPSK	135	69	17.85			19.0	0.0	
100	1/2 BPSK	135	138	17.89			19.0	0.0	
100	1/2 BPSK	270	0	17.91			19.0	0.0	
100	QPSK	1	1	18.01					
100	QPSK	1	137	17.85			19.0	0.0	
100	QPSK	1	271	17.90			19.0	0.0	
100	QPSK	135	0	17.89			19.0	0.0	
100	QPSK	135	69	17.96			19.0	0.0	
100	QPSK	135	138	17.86			19.0	0.0	
100	QPSK	270	0	17.95			19.0	0.0	
100	16QAM	1	1	17.92			19.0	0.0	
100	64QAM	1	1	17.83			19.0	0.0	
100	256QAM	1	1	17.95			19.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	17.96	3500.02	3503.02	19.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.94	18.00	18.00	19.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	17.90	17.95	17.99	19.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	17.93	17.96	17.91	19.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	17.93	17.96	17.98	19.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	17.95	17.96	17.96	19.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	17.99	17.90	17.99	19.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	17.94	17.95	17.94	19.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.00	17.90	17.98	19.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	17.97	17.99	17.97	19.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	17.92	17.95	17.97	19.0	0.0	

Part27O n78 Ant7 DSI 5									
BW [MHz]	Modulat ion	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)									
100	1/2 BPSK	1	1	15.56	3750				
100	1/2 BPSK	1	137	15.59			16.5	0.0	
100	1/2 BPSK	1	271	15.54					
100	1/2 BPSK	135	0	15.68			16.5	0.0	
100	1/2 BPSK	135	69	15.55			16.5	0.0	
100	1/2 BPSK	135	138	15.63			16.5	0.0	
100	1/2 BPSK	270	0	15.63			16.5	0.0	
100	QPSK	1	1	15.74					
100	QPSK	1	137	15.64			16.5	0.0	
100	QPSK	1	271	15.65			16.5	0.0	
100	QPSK	135	0	15.68			16.5	0.0	
100	QPSK	135	69	15.71			16.5	0.0	
100	QPSK	135	138	15.68			16.5	0.0	
100	QPSK	270	0	15.63			16.5	0.0	
100	16QAM	1	1	15.68			16.5	0.0	
100	64QAM	1	1	15.54			16.5	0.0	
100	256QAM	1	1	15.60			16.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	15.71	3750	3753.01	16.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	15.69	15.72	15.63	16.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	15.68	15.67	15.69	16.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	15.69	15.66	15.69	16.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	15.68	15.70	15.72	16.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	15.63	15.71	15.71	16.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	15.72	15.70	15.71	16.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	15.67	15.65	15.66	16.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	15.70	15.71	15.67	16.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	15.72	15.70	15.65	16.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	15.65	15.73	15.68	16.5	0.0	

Part27O n78 Ant7 DSI 5 PC2									
BW [MHz]	Modulat ion	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)									
100	1/2 BPSK	1	1	18.19	3750				
100	1/2 BPSK	1	137	18.26			19.5	0.0	
100	1/2 BPSK	1	271	18.27					
100	1/2 BPSK	135	0	18.36			19.5	0.0	
100	1/2 BPSK	135	69	18.20			19.5	0.0	
100	1/2 BPSK	135	138	18.32			19.5	0.0	
100	1/2 BPSK	270	0	18.25			19.5	0.0	
100	QPSK	1	1	18.38					
100	QPSK	1	137	18.23			19.5	0.0	
100	QPSK	1	271	18.35			19.5	0.0	
100	QPSK	135	0	18.35			19.5	0.0	
100	QPSK	135	69	18.38			19.5	0.0	
100	QPSK	135	138	18.32			19.5	0.0	
100	QPSK	270	0	18.31			19.5	0.0	
100	16QAM	1	1	18.34			19.5	0.0	
100	64QAM	1	1	18.26			19.5	0.0	
100	256QAM	1	1	18.33			19.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	18.28	3750	3753.01	19.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.24	18.28	18.28	19.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	18.20	18.31	18.37	19.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	18.32	18.29	18.32	19.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	18.32	18.34	18.31	19.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	18.31	18.35	18.36	19.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.38	18.32	18.37	19.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	18.31	18.36	18.30	19.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.28	18.29	18.33	19.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.33	18.36	18.35	19.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	18.29	18.37	18.32	19.5	0.0	



Part27Q n78 Ant7 DSI 5

BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel 63334								
Frequency (MHz) 3500.01								
100	1/2 BPSK	1	1	15.59				
100	1/2 BPSK	1	137	15.77			16.5	0.0
100	1/2 BPSK	1	271	15.77				
100	1/2 BPSK	135	0	15.75			16.5	0.0
100	1/2 BPSK	135	69	15.70			16.5	0.0
100	1/2 BPSK	135	138	15.73			16.5	0.0
100	1/2 BPSK	270	0	15.62			16.5	0.0
100	QPSK	1	1	15.81				
100	QPSK	1	137	15.73			16.5	0.0
100	QPSK	1	271	15.69				
100	QPSK	135	0	15.71			16.5	0.0
100	QPSK	135	69	15.77			16.5	0.0
100	QPSK	135	138	15.66			16.5	0.0
100	QPSK	270	0	15.64			16.5	0.0
100	16QAM	1	1	15.68			16.5	0.0
100	16QAM	1	1	15.67			16.5	0.0
100	256QAM	1	1	15.71			16.5	0.0
Channel 63300								
Frequency (MHz) 3495								
90	QPSK	1	1	15.73	15.73	15.72	16.5	0.0
Channel 63268								
Frequency (MHz) 3430.02								
80	QPSK	1	1	15.73	15.73	15.73	16.5	0.0
Channel 63234								
Frequency (MHz) 3435.01								
70	QPSK	1	1	15.72	15.72	15.74	16.5	0.0
Channel 63200								
Frequency (MHz) 3430.01								
60	QPSK	1	1	15.74	15.74	15.74	16.5	0.0
Channel 63168								
Frequency (MHz) 3425.02								
50	QPSK	1	1	15.73	15.74	15.72	16.5	0.0
Channel 63134								
Frequency (MHz) 3420.01								
40	QPSK	1	1	15.73	15.74	15.80	16.5	0.0
Channel 63100								
Frequency (MHz) 3415.02								
30	QPSK	1	1	15.72	15.74	15.72	16.5	0.0
Channel 63068								
Frequency (MHz) 3410.01								
25	QPSK	1	1	15.77	15.78	15.72	16.5	0.0
Channel 63034								
Frequency (MHz) 3405.01								
20	QPSK	1	1	15.72	15.78	15.77	16.5	0.0
Channel 63000								
Frequency (MHz) 3400.01								
15	QPSK	1	1	15.80	15.79	15.74	16.5	0.0
Channel 63034								
Frequency (MHz) 3455.01								
10	QPSK	1	1	15.70	15.71	15.75	16.5	0.0

Part27Q n78 Ant7 DSI 5 PC2

BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel 63334								
Frequency (MHz) 3500.01								
100	1/2 BPSK	1	1	18.34				
100	1/2 BPSK	1	137	18.44			19.5	0.0
100	1/2 BPSK	1	271	18.41				
100	1/2 BPSK	135	0	18.47			19.5	0.0
100	1/2 BPSK	135	69	18.42			19.5	0.0
100	1/2 BPSK	135	138	18.47			19.5	0.0
100	1/2 BPSK	270	0	18.35			19.5	0.0
100	QPSK	1	1	18.53				
100	QPSK	1	137	18.36			19.5	0.0
100	QPSK	1	271	18.40				
100	QPSK	135	0	18.37			19.5	0.0
100	QPSK	135	69	18.48			19.5	0.0
100	QPSK	135	138	18.36			19.5	0.0
100	QPSK	270	0	18.44			19.5	0.0
100	16QAM	1	1	18.37			19.5	0.0
100	16QAM	1	1	18.34			19.5	0.0
100	256QAM	1	1	18.42			19.5	0.0
Channel 63300								
Frequency (MHz) 3495								
90	QPSK	1	1	18.51	18.51	18.49	19.5	0.0
Channel 63268								
Frequency (MHz) 3430.02								
80	QPSK	1	1	18.44	18.49	18.51	19.5	0.0
Channel 63234								
Frequency (MHz) 3435.01								
70	QPSK	1	1	18.49	18.49	18.45	19.5	0.0
Channel 63200								
Frequency (MHz) 3430.01								
60	QPSK	1	1	18.50	18.43	18.47	19.5	0.0
Channel 63168								
Frequency (MHz) 3425.02								
50	QPSK	1	1	18.44	18.47	18.48	19.5	0.0
Channel 63134								
Frequency (MHz) 3420.01								
40	QPSK	1	1	18.50	18.43	18.47	19.5	0.0
Channel 63100								
Frequency (MHz) 3415.02								
30	QPSK	1	1	18.47	18.48	18.50	19.5	0.0
Channel 63068								
Frequency (MHz) 3410.01								
25	QPSK	1	1	18.48	18.50	18.47	19.5	0.0
Channel 63034								
Frequency (MHz) 3405.01								
20	QPSK	1	1	18.42	18.48	18.44	19.5	0.0
Channel 63000								
Frequency (MHz) 3400.01								
15	QPSK	1	1	18.51	18.48	18.50	19.5	0.0
Channel 63034								
Frequency (MHz) 3455.01								
10	QPSK	1	1	18.47	18.50	18.51	19.5	0.0



Part96 n48 Ant8 DSI 5

BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up [m]	MPR (dB)
Channel								
Frequency (MHz)				3570	3624.99	3679.98		
40 1/2 BPSK	1	1	14.10	13.95	14.09			
40 1/2 BPSK	1	53	14.13	14.12	14.04		15.5	0.0
40 1/2 BPSK	1	104	14.09	14.13	14.11			
40 1/2 BPSK	50	0	14.13	14.18	14.08		15.5	0.0
40 1/2 BPSK	50	28	14.05	14.10	14.14		15.5	0.0
40 1/2 BPSK	50	56	14.11	14.11	14.12		15.5	0.0
40 1/2 BPSK	100	0	14.15	14.08	14.15			
40 QPSK	1	1	14.12	14.20	14.08			
40 QPSK	1	53	13.95	14.06	14.08		15.5	0.0
40 QPSK	1	104	14.03	14.06	14.17		15.5	0.0
40 QPSK	50	0	14.11	14.09	14.13		15.5	0.0
40 QPSK	50	28	14.09	14.16	14.12		15.5	0.0
40 QPSK	50	56	14.13	14.11	14.10		15.5	0.0
40 QPSK	100	0	14.05	14.04	14.15		15.5	0.0
40 16QAM	1	1	13.97	14.08	14.08		15.5	0.0
40 16QAM	1	1	14.05	14.04	14.15		15.5	0.0
40 256QAM	1	1	14.11	14.15	14.04		15.5	0.0
Channel								
Frequency (MHz)				637688	641686	645686	Tune-up	MPR
30 QPSK	1	1	14.09	14.13	13.97	15.5	0.0	
Channel								
Frequency (MHz)				637334	641686	646030	Tune-up	MPR
20 QPSK	1	1	14.09	14.11	14.03	15.5	0.0	
Channel								
Frequency (MHz)				637168	641686	646168	Tune-up	MPR
15 QPSK	1	1	14.09	14.11	14.02	15.5	0.0	
Channel								
Frequency (MHz)				637000	641686	646332	Tune-up	MPR
10 QPSK	1	1	14.01	14.10	13.98	15.5	0.0	

Part270 n77 Ant8 Other PA DSI 5

BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up [m]	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100 1/2 BPSK	1	1	14.46	14.34	14.36		16.0	0.0
100 1/2 BPSK	1	137	14.40	14.40	14.32		16.0	0.0
100 1/2 BPSK	1	274	14.37	14.37	14.42		16.0	0.0
100 1/2 BPSK	135	0	14.48	14.36	14.37		16.0	0.0
100 1/2 BPSK	135	69	14.35	14.34	14.42		16.0	0.0
100 1/2 BPSK	135	138	14.37	14.40	14.37		16.0	0.0
100 1/2 BPSK	270	0	14.42	14.41	14.34		16.0	0.0
100 QPSK	1	1	14.45	14.51	14.41			
100 QPSK	1	137	14.28	14.38	14.34		16.0	0.0
100 QPSK	1	274	14.41	14.40	14.37		16.0	0.0
100 QPSK	135	0	14.40	14.36	14.37		16.0	0.0
100 QPSK	135	69	14.40	14.48	14.41		16.0	0.0
100 QPSK	135	138	14.33	14.36	14.40		16.0	0.0
100 QPSK	270	0	14.43	14.46	14.37		16.0	0.0
100 16QAM	1	1	14.29	14.44	14.47		16.0	0.0
100 16QAM	1	1	14.41	14.35	14.44		16.0	0.0
100 256QAM	1	1	14.36	14.47	14.34		16.0	0.0
Channel								
Frequency (MHz)				646668	650000	662334	Tune-up	MPR
90 QPSK	1	1	14.35	14.47	14.39	16.0	0.0	
Channel								
Frequency (MHz)				646334	650000	662668	Tune-up	MPR
80 QPSK	1	1	14.36	14.41	14.39	16.0	0.0	
Channel								
Frequency (MHz)				646000	650000	663000	Tune-up	MPR
70 QPSK	1	1	14.40	14.49	14.40	16.0	0.0	
Channel								
Frequency (MHz)				646668	650000	663334	Tune-up	MPR
70 QPSK	1	1	14.42	14.41	14.31	16.0	0.0	
Channel								
Frequency (MHz)				646334	650000	663668	Tune-up	MPR
60 QPSK	1	1	14.39	14.49	14.37	16.0	0.0	
Channel								
Frequency (MHz)				646000	650000	664000	Tune-up	MPR
40 QPSK	1	1	14.34	14.42	14.38	16.0	0.0	
Channel								
Frequency (MHz)				647668	650000	664334	Tune-up	MPR
30 QPSK	1	1	14.42	14.49	14.38	16.0	0.0	
Channel								
Frequency (MHz)				647500	650000	664500	Tune-up	MPR
25 QPSK	1	1	14.41	14.42	14.32	16.0	0.0	
Channel								
Frequency (MHz)				647334	650000	664668	Tune-up	MPR
20 QPSK	1	1	14.40	14.47	14.34	16.0	0.0	
Channel								
Frequency (MHz)				647168	650000	664834	Tune-up	MPR
15 QPSK	1	1	14.43	14.43	14.32	16.0	0.0	
Channel								
Frequency (MHz)				647000	650000	665000	Tune-up	MPR
10 QPSK	1	1	14.37	14.48	14.38	16.0	0.0	

Part270 n77 Ant8 Other PA DSI 5 PC2

BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up [m]	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100 1/2 BPSK	1	1	16.50	16.89	16.91		18.0	0.0
100 1/2 BPSK	1	137	16.50	16.89	16.88		18.0	0.0
100 1/2 BPSK	1	274	16.53	16.92	16.88		18.0	0.0
100 1/2 BPSK	135	0	16.50	16.99	16.83		18.0	0.0
100 1/2 BPSK	135	69	16.54	16.87	16.97		18.0	0.0
100 1/2 BPSK	135	138	16.53	16.95	16.81		18.0	0.0
100 1/2 BPSK	270	0	16.92	16.86	16.80		18.0	0.0
100 QPSK	1	1	17.01	17.04	16.94			
100 QPSK	1	137	16.84	16.82	16.88		18.0	0.0
100 QPSK	1	274	16.85	16.94	16.98		18.0	0.0
100 QPSK	135	0	16.91	16.91	16.87		18.0	0.0
100 QPSK	135	69	16.92	17.01	16.92		18.0	0.0
100 QPSK	135	138	16.98	16.86	16.99		18.0	0.0
100 QPSK	270	0	16.99	16.97	16.95		18.0	0.0
100 16QAM	1	1	16.85	16.97	16.92		18.0	0.0
100 16QAM	1	1	16.89	16.84	16.84		18.0	0.0
100 256QAM	1	1	16.95	16.94	16.97		18.0	0.0
Channel								
Frequency (MHz)				646668	650000	662334	Tune-up	MPR
90 QPSK	1	1	16.97	16.93	16.89	18.0	0.0	
Channel								
Frequency (MHz)				646334	650000	662668	Tune-up	MPR
80 QPSK	1	1	16.98	17.02	16.91	18.0	0.0	
Channel								
Frequency (MHz)				646000	650000	663000	Tune-up	MPR
70 QPSK	1	1	17.00	17.02	16.95	18.0	0.0	
Channel								
Frequency (MHz)				646668	650000	663334	Tune-up	MPR
70 QPSK	1	1	17.00	16.94	16.92	18.0	0.0	
Channel								
Frequency (MHz)				646334	650000	663668	Tune-up	MPR
60 QPSK	1	1	16.99	17.02	16.85	18.0	0.0	
Channel								
Frequency (MHz)				646000	650000	664000	Tune-up	MPR
40 QPSK	1	1	16.96	16.97	16.90	18.0	0.0	
Channel								
Frequency (MHz)				647668	650000	664334	Tune-up	MPR
30 QPSK	1	1	16.93	16.97	16.91	18.0	0.0	
Channel								
Frequency (MHz)				647500	650000	664500	Tune-up	MPR
25 QPSK	1	1	16.98	16.96	16.88	18.0	0.0	
Channel								
Frequency (MHz)				647334	650000	664668	Tune-up	MPR
20 QPSK	1	1	16.94	16.94	16.90	18.0	0.0	
Channel								
Frequency (MHz)				647168	650000	664834	Tune-up	MPR
15 QPSK	1	1	16.94	16.94	16.86	18.0	0.0	
Channel								
Frequency (MHz)				647000	650000	665000	Tune-up	MPR
10 QPSK	1	1	16.91	16.98	16.90	18.0	0.0	

Part270Q n77 Ant8 Other PA DSI 5

BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up [m]	MPR (dB)
Channel								
Frequency (MHz)					3500.01			
100 1/2 BPSK	1	1	14.15		14.15		16.0	0.0
100 1/2 BPSK	1	137	14.31		14.31		16.0	0.0
100 1/2 BPSK	1	274	14.17		14.17		16.0	0.0
100 1/2 BPSK	135	0	14.25		14.25		16.0	0.0
100 1/2 BPSK	135	69	14.32		14.32		16.0	0.0
100 1/2 BPSK	135	138	14.35		14.35		16.0	0.0
100 1/2 BPSK	270	0	14.17		14.17		16.0	0.0
100 QPSK	1	1	14.37		14.37			
100 QPSK	1	137	14.20		14.20		16.0	0.0
100 QPSK	1	274	14.30		14.30		16.0	0.0
100 QPSK	135	0	14.26		14.26		16.0	0.0
100 QPSK	135	69	14.35		14.35		16.0	0.0
100 QPSK	135	138	14.30		14.30		16.0	0.0
100 QPSK	270	0	14.31		14.31		16.0	0.0
100 16QAM	1	1	14.26		14.26		16.0	0.0
100 16QAM	1	1	14.19		14.19		16.0	0.0
100 256QAM	1	1	14.29		14.29		16.0	0.0
Channel								
Frequency (MHz)				633000	633334	633668	Tune-up	MPR
50 QPSK	1	1	14.34		14.34		16.0	0.0
Channel								
Frequency (MHz)				632668	633334	6340		



Part27Q n77 Ant8 Other PA DSI 5 PC2

BW [MHz]	Modulat ion	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)								
100	1/2 BPSK	1	1		3500.01			
100	1/2 BPSK	1	1	17.28				19.0
100	1/2 BPSK	1	137	17.40				19.0
100	1/2 BPSK	1	271	17.37				19.0
100	1/2 BPSK	135	0	17.40				19.0
100	1/2 BPSK	135	69	17.41				19.0
100	1/2 BPSK	135	138	17.47				19.0
100	1/2 BPSK	270	0	17.38				19.0
100	QPSK	1	1	17.59				19.0
100	QPSK	1	137	17.45				19.0
100	QPSK	1	271	17.40				19.0
100	QPSK	135	0	17.42				19.0
100	QPSK	135	69	17.53				19.0
100	QPSK	135	138	17.37				19.0
100	QPSK	270	0	17.46				19.0
100	16QAM	1	1	17.38				19.0
100	16QAM	1	1	17.37				19.0
100	256QAM	1	1	17.42				19.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	63300	63334	63368	Tune-up	MPR
				3495	3501.01	3507.02	lim	(dB)
				17.63	17.48	17.51	19.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	63268	63334	63400	Tune-up	MPR
				3490.02	3501.01	3510	lim	(dB)
				17.54	17.55	17.52	19.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	63234	63334	63434	Tune-up	MPR
				3485.01	3501.01	3515.01	lim	(dB)
				17.54	17.57	17.57	19.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	63200	63334	63468	Tune-up	MPR
				3480	3501.01	3520.02	lim	(dB)
				17.63	17.55	17.52	19.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	63168	63334	63500	Tune-up	MPR
				3475.02	3501.01	3525	lim	(dB)
				17.51	17.52	17.55	19.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	63134	63334	63534	Tune-up	MPR
				3470.01	3501.01	3530.01	lim	(dB)
				17.51	17.55	17.57	19.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	63100	63334	63568	Tune-up	MPR
				3465	3501.01	3535.02	lim	(dB)
				17.54	17.53	17.57	19.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	63084	63334	63584	Tune-up	MPR
				3462.51	3501.01	3537.51	lim	(dB)
				17.51	17.50	17.51	19.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	63068	63334	63600	Tune-up	MPR
				3460.02	3501.01	3540	lim	(dB)
				17.51	17.58	17.50	19.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	63050	63334	636168	Tune-up	MPR
				3457.5	3501.01	3542.5	lim	(dB)
				17.57	17.54	17.53	19.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	63034	63334	63634	Tune-up	MPR
				3455.01	3501.01	3545.01	lim	(dB)
				17.51	17.50	17.55	19.0	0.0

Part27O n78 Ant8 Other PA DSI 5

BW [MHz]	Modulat ion	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)								
100	1/2 BPSK	1	1		3750			
100	1/2 BPSK	1	137	14.24				16.0
100	1/2 BPSK	1	271	14.38				16.0
100	1/2 BPSK	135	0	14.34				16.0
100	1/2 BPSK	135	69	14.20				16.0
100	1/2 BPSK	135	138	14.28				16.0
100	1/2 BPSK	270	0	14.28				16.0
100	QPSK	1	1	14.41				16.0
100	QPSK	1	137	14.19				16.0
100	QPSK	1	271	14.36				16.0
100	QPSK	135	0	14.36				16.0
100	QPSK	135	69	14.38				16.0
100	QPSK	135	138	14.37				16.0
100	QPSK	270	0	14.32				16.0
100	16QAM	1	1	14.37				16.0
100	16QAM	1	1	14.27				16.0
100	256QAM	1	1	14.36				16.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	64968	65000	65034	Tune-up	MPR
				3745.02	3750	3753.01	lim	(dB)
				14.32	14.37	14.31	16.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	64934	65000	65068	Tune-up	MPR
				3740.01	3750	3760.02	lim	(dB)
				14.32	14.30	14.33	16.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	64900	65000	65100	Tune-up	MPR
				3735	3750	3765	lim	(dB)
				14.34	14.32	14.33	16.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	64868	65000	65134	Tune-up	MPR
				3730.02	3750	3770.01	lim	(dB)
				14.32	14.35	14.31	16.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	64834	65000	65168	Tune-up	MPR
				3725.01	3750	3775.02	lim	(dB)
				14.33	14.31	14.37	16.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	64800	65000	65200	Tune-up	MPR
				3720	3750	3780	lim	(dB)
				14.37	14.40	14.35	16.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	64768	65000	65234	Tune-up	MPR
				3715.02	3750	3785.01	lim	(dB)
				14.40	14.37	14.33	16.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	64750	65000	65250	Tune-up	MPR
				3712.5	3750	3787.5	lim	(dB)
				14.36	14.39	14.38	16.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	64734	65000	65268	Tune-up	MPR
				3710.01	3750	3790.02	lim	(dB)
				14.34	14.32	14.35	16.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	64718	65000	65284	Tune-up	MPR
				3707.5	3750	3792.51	lim	(dB)
				14.31	14.33	14.39	16.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	64700	65000	65300	Tune-up	MPR
				3705	3750	3795	lim	(dB)
				14.32	14.35	14.32	16.0	0.0

Part27O n78 Ant8 Other PA DSI 5 PC2

BW [MHz]	Modulat ion	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)								
100	1/2 BPSK	1	1		3750			
100	1/2 BPSK	1	137	17.22				19.0
100	1/2 BPSK	1	271	17.37				19.0
100	1/2 BPSK	135	0	17.32				19.0
100	1/2 BPSK	135	69	17.30				19.0
100	1/2 BPSK	135	138	17.35				19.0
100	1/2 BPSK	270	0	17.28				19.0
100	QPSK	1	1	17.45				19.0
100	QPSK	1	137	17.37				19.0
100	QPSK	1	271	17.23				19.0
100	QPSK	135	0	17.34				19.0
100	QPSK	135	69	17.43				19.0
100	QPSK	135	138	17.29				19.0
100	QPSK	270	0	17.37				19.0
100	16QAM	1	1	17.35				19.0
100	16QAM	1	1	17.26				19.0
100	256QAM	1	1	17.15				19.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	64968	65000	65034	Tune-up	MPR
				3745.02	3750	3753.01	lim	(dB)
				17.41	17.38	17.33	19.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	64934	65000	65068	Tune-up	MPR
				3740.01	3750	3760.02	lim	(dB)
				17.40	17.42	17.38	19.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	64900	65000	65100	Tune-up	MPR
				3735	3750	3765	lim	(dB)
				17.40	17.39	17.37	19.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	64868	65000	65134	Tune-up	MPR
				3730.02	3750	3770.01	lim	(dB)
				17.42	17.41	17.37	19.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	64834	65000	65168	Tune-up	MPR
				3725.01	3750	3775.02	lim	(dB)
				17.40	17.41	17.36	19.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	64800	65000	65200	Tune-up	MPR
				3720	3750	3780	lim	(dB)
				17.43	17.42	17.38	19.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	64768	65000	65234	Tune-up	MPR
				3715.02	3750	3785.01	lim	(dB)
				17.43	17.43	17.40	19.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	64750	65000	65250	Tune-up	MPR
				3712.5	3750	3787.5	lim	(dB)
				17.37	17.41	17.41	19.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	64734	65000	65268	Tune-up	MPR
				3710.01	3750	3790.02	lim	(dB)
				17.35	17.39	17.42	19.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	64718	65000	65284	Tune-up	MPR
				3707.5	3750	3792.51	lim	(dB)
				17.44	17.42	17.37	19.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	64700	65000	65300	Tune-up	MPR
				3705	3750	3795	lim	(dB)
				17.40	17.42	17.39	19.0	0.0



Part27Q n78 Ant8 Other PA DSI 5

BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel 63334								
Frequency (MHz) 3500.01								
100	1/2 BPS	1	1	14.23				0.0
100	1/2 BPS	1	137	14.35			16.0	0.0
100	1/2 BPS	1	271	14.32				0.0
100	1/2 BPS	135	0	14.36			16.0	0.0
100	1/2 BPS	135	69	14.31			16.0	0.0
100	1/2 BPS	135	138	14.31			16.0	0.0
100	1/2 BPS	270	0	14.25			16.0	0.0
100	QPSK	1	1	14.42				0.0
100	QPSK	1	137	14.26			16.0	0.0
100	QPSK	1	271	14.24			16.0	0.0
100	QPSK	135	0	14.24			16.0	0.0
100	QPSK	135	69	14.39			16.0	0.0
100	QPSK	135	138	14.28			16.0	0.0
100	QPSK	270	0	14.35			16.0	0.0
100	16QAM	1	1	14.27			16.0	0.0
100	16QAM	1	1	14.30			16.0	0.0
100	256QAM	1	1	14.39			16.0	0.0
Channel 63300								
Frequency (MHz) 3495								
90	QPSK	1	1	14.32	14.37	14.33	16.0	0.0
Channel 63268								
Frequency (MHz) 3490.02								
80	QPSK	1	1	14.33	14.41	14.35	16.0	0.0
Channel 63234								
Frequency (MHz) 3488.01								
70	QPSK	1	1	14.31	14.32	14.32	16.0	0.0
Channel 63200								
Frequency (MHz) 3486								
60	QPSK	1	1	14.33	14.33	14.33	16.0	0.0
Channel 63168								
Frequency (MHz) 3478.02								
50	QPSK	1	1	14.33	14.37	14.33	16.0	0.0
Channel 63134								
Frequency (MHz) 3470.01								
40	QPSK	1	1	14.33	14.35	14.35	16.0	0.0
Channel 63100								
Frequency (MHz) 3466								
30	QPSK	1	1	14.35	14.35	14.37	16.0	0.0
Channel 63068								
Frequency (MHz) 3458.01								
25	QPSK	1	1	14.34	14.39	14.35	16.0	0.0
Channel 63034								
Frequency (MHz) 3450.01								
20	QPSK	1	1	14.32	14.31	14.33	16.0	0.0
Channel 63000								
Frequency (MHz) 3447.5								
15	QPSK	1	1	14.33	14.35	14.31	16.0	0.0
Channel 63034								
Frequency (MHz) 3455.01								
10	QPSK	1	1	14.37	14.33	14.40	16.0	0.0

Part27Q n78 Ant8 Other PA DSI 5 PC2

BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel 63334								
Frequency (MHz) 3500.01								
100	1/2 BPS	1	1	18.20				0.0
100	1/2 BPS	1	137	18.37			19.0	0.0
100	1/2 BPS	1	271	18.32				0.0
100	1/2 BPS	135	0	18.34			19.0	0.0
100	1/2 BPS	135	69	18.30			19.0	0.0
100	1/2 BPS	135	138	18.35			19.0	0.0
100	1/2 BPS	270	0	18.26			19.0	0.0
100	QPSK	1	1	18.40				0.0
100	QPSK	1	137	18.25			19.0	0.0
100	QPSK	1	271	18.24			19.0	0.0
100	QPSK	135	0	18.32			19.0	0.0
100	QPSK	135	69	18.38			19.0	0.0
100	QPSK	135	138	18.34			19.0	0.0
100	QPSK	270	0	18.30			19.0	0.0
100	16QAM	1	1	18.29			19.0	0.0
100	16QAM	1	1	18.29			19.0	0.0
100	256QAM	1	1	18.27			19.0	0.0
Channel 63300								
Frequency (MHz) 3495								
90	QPSK	1	1	18.37	18.38	18.38	19.0	0.0
Channel 63268								
Frequency (MHz) 3490.02								
80	QPSK	1	1	18.33	18.32	18.31	19.0	0.0
Channel 63234								
Frequency (MHz) 3488.01								
70	QPSK	1	1	18.33	18.33	18.35	19.0	0.0
Channel 63200								
Frequency (MHz) 3486								
60	QPSK	1	1	18.33	18.30	18.31	19.0	0.0
Channel 63168								
Frequency (MHz) 3478.02								
50	QPSK	1	1	18.39	18.32	18.32	19.0	0.0
Channel 63134								
Frequency (MHz) 3470.01								
40	QPSK	1	1	18.39	18.30	18.38	19.0	0.0
Channel 63100								
Frequency (MHz) 3466								
30	QPSK	1	1	18.34	18.34	18.32	19.0	0.0
Channel 63068								
Frequency (MHz) 3458.01								
25	QPSK	1	1	18.32	18.29	18.29	19.0	0.0
Channel 63034								
Frequency (MHz) 3450.01								
20	QPSK	1	1	18.32	18.31	18.38	19.0	0.0
Channel 63000								
Frequency (MHz) 3447.5								
15	QPSK	1	1	18.31	18.30	18.37	19.0	0.0
Channel 63034								
Frequency (MHz) 3455.01								
10	QPSK	1	1	18.32	18.31	18.33	19.0	0.0



Reduced Power Mode for SA DSI 6

n5 Ant0 DSI6								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				168300	167300	167800		
Frequency (MHz)				834	836.5	839		
20	1/2 BPSK	1	1	25.07	25.15	25.14		
20	1/2 BPSK	1	53	25.19	25.22	25.16		25.7
20	1/2 BPSK	1	104	25.20	25.31	25.27		
20	1/2 BPSK	50	0	24.59	24.69	24.61	25.2	0.5
20	1/2 BPSK	50	28	25.20	25.27	25.19		25.7
20	1/2 BPSK	50	56	24.61	24.66	24.61		
20	1/2 BPSK	100	0	24.72	24.81	24.76	25.2	0.5
20	QPSK	1	1	25.40	25.42	25.38		
20	QPSK	1	53	25.28	25.38	25.37		25.7
20	QPSK	1	104	25.36	25.39	25.32		
20	QPSK	50	0	24.20	24.22	24.19	24.7	1.0
20	QPSK	50	28	25.17	25.27	25.26		25.7
20	QPSK	50	56	24.12	24.18	24.11	24.7	1.0
20	QPSK	100	0	24.31	24.33	24.23		
20	16QAM	1	1	24.08	24.16	24.10	24.7	1.0
20	64QAM	1	1	22.65	22.67	22.64	23.2	2.5
20	256QAM	1	1	20.30	20.40	20.33	21.2	4.5
Channel				168300	167300	168300	Tune-up	MPR
Frequency (MHz)				831.5	836.5	841.5	limit	(dB)
15	QPSK	1	1	25.39	25.23	25.22		25.7
Channel				168800	167300	168800	Tune-up	MPR
Frequency (MHz)				829	836.5	844	limit	(dB)
10	QPSK	1	1	25.40	25.23	25.30		25.7
Channel				168300	167300	168300	Tune-up	MPR
Frequency (MHz)				826.5	836.5	846.5	limit	(dB)
5	QPSK	1	1	25.33	25.33	25.23		25.7

n7 Ant0 Other PA DSI6								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	1/2 BPSK	1	1	22.68	22.84	22.71		
40	1/2 BPSK	1	108	22.64	22.82	22.73		23.2
40	1/2 BPSK	1	214	22.65	22.77	22.69		
40	1/2 BPSK	108	0	22.80	22.71	22.72	23.2	0.0
40	1/2 BPSK	108	54	22.77	22.82	22.68		23.2
40	1/2 BPSK	108	108	22.63	22.82	22.78		
40	1/2 BPSK	216	0	22.67	22.72	22.63	23.2	0.0
40	QPSK	1	1	22.78	22.85	22.72		
40	QPSK	1	108	22.63	22.68	22.73		23.2
40	QPSK	1	214	22.75	22.77	22.75		
40	QPSK	108	0	22.75	22.74	22.67	23.2	0.0
40	QPSK	108	54	22.67	22.80	22.75		23.2
40	QPSK	108	108	22.76	22.69	22.76		23.2
40	QPSK	216	0	22.78	22.78	22.70		23.2
40	16QAM	1	1	22.67	22.73	22.68	23.2	0.0
40	64QAM	1	1	22.76	22.69	22.75	23.2	0.0
40	256QAM	1	1	20.64	20.68	20.71	21.2	2.0
Channel				503500	507000	510500	Tune-up	MPR
Frequency (MHz)				2517.5	2535	2552.5	limit	(dB)
35	QPSK	1	1	22.63	22.74	22.65		23.2
Channel				503000	507000	511000	Tune-up	MPR
Frequency (MHz)				2515	2535	2555	limit	(dB)
30	QPSK	1	1	22.67	22.84	22.69		23.2
Channel				502500	507000	511500	Tune-up	MPR
Frequency (MHz)				2512.5	2535	2557.5	limit	(dB)
25	QPSK	1	1	22.67	22.80	22.69		23.2
Channel				502000	507000	512000	Tune-up	MPR
Frequency (MHz)				2510	2535	2560	limit	(dB)
20	QPSK	1	1	22.63	22.73	22.70		23.2
Channel				501500	507000	512500	Tune-up	MPR
Frequency (MHz)				2507.5	2535	2562.5	limit	(dB)
15	QPSK	1	1	22.61	22.70	22.68		23.2
Channel				501000	507000	513000	Tune-up	MPR
Frequency (MHz)				2505	2535	2565	limit	(dB)
10	QPSK	1	1	22.63	22.70	22.65		23.2
Channel				500500	507000	513500	Tune-up	MPR
Frequency (MHz)				2502.5	2535	2567.5	limit	(dB)
5	QPSK	1	1	22.64	22.82	22.65		23.2

n12 Ant0 DSI6								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141300	141500	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	1/2 BPSK	1	1	25.10	25.15	25.08		
15	1/2 BPSK	1	40	24.99	25.07	24.99		25.7
15	1/2 BPSK	1	77	25.04	25.12	25.02		
15	1/2 BPSK	36	0	24.45	24.51	24.46	25.2	0.5
15	1/2 BPSK	36	22	25.06	25.11	25.06		25.7
15	1/2 BPSK	36	43	24.39	24.45	24.43		
15	1/2 BPSK	75	0	24.46	24.54	24.53	25.2	0.5
15	QPSK	1	1	25.14	25.17	25.16		
15	QPSK	1	40	24.95	25.02	24.92		25.7
15	QPSK	1	77	25.09	25.15	25.09		
15	QPSK	36	0	23.95	24.01	23.90	24.7	1.0
15	QPSK	36	22	25.01	25.10	25.05		25.7
15	QPSK	36	43	24.01	24.02	24.00	24.7	1.0
15	QPSK	75	0	23.87	23.96	23.91		
15	16QAM	1	1	23.99	24.07	24.06	24.7	1.0
15	64QAM	1	1	22.42	22.49	22.41	23.2	2.5
15	256QAM	1	1	20.50	20.52	20.49	21.2	4.5
Channel				140800	141500	142200	Tune-up	MPR
Frequency (MHz)				704	707.5	711	limit	(dB)
10	QPSK	1	1	25.12	25.15	25.07		25.7
Channel				140300	141500	142700	Tune-up	MPR
Frequency (MHz)				701.5	707.5	713.5	limit	(dB)
5	QPSK	1	1	25.08	25.14	25.14		25.7



n26 Ant0 DSI6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				164800	166300	167800			
Frequency (MHz)				824	831.5	839			
20	1/2 BPSK	1	1	25.16	25.26	25.19		25.7	0.0
20	1/2 BPSK	1	53	25.26	25.23	25.23			
20	1/2 BPSK	1	104	25.26	25.42	25.34			
20	1/2 BPSK	50	0	24.64	24.74	24.64	25.2	0.5	
20	1/2 BPSK	50	28	25.25	25.36	25.27		25.7	0.0
20	1/2 BPSK	50	56	24.72	24.65	24.64	25.2	0.5	
20	1/2 BPSK	100	0	24.79	24.86	24.84			
20	QPSK	1	1	25.36	25.44	25.43			
20	QPSK	1	53	25.29	25.39	25.42	25.7	0.0	
20	QPSK	1	104	25.36	25.37	25.37			
20	QPSK	50	0	24.30	24.30	24.25	24.7	1.0	
20	QPSK	50	28	25.18	25.37	25.32	25.7	0.0	
20	QPSK	50	56	24.17	24.28	24.18	24.7	1.0	
20	QPSK	100	0	24.35	24.33	24.34			
20	16QAM	1	1	24.14	24.22	24.18	24.7	1.0	
20	64QAM	1	1	22.72	22.73	22.66	23.2	2.5	
20	256QAM	1	1	23.41	23.42	23.35	23.2	4.5	
Channel				164300	166300	168300	Tune-up	MPR	
Frequency (MHz)				821.5	831.5	841.5	limit	(dB)	
15	QPSK	1	1	23.31	23.43	23.37	25.7	0.0	
Channel				163800	166300	168800	Tune-up	MPR	
Frequency (MHz)				819	831.5	844	limit	(dB)	
10	QPSK	1	1	23.34	23.33	23.33	25.7	0.0	
Channel				163300	166300	169300	Tune-up	MPR	
Frequency (MHz)				816.5	831.5	846.5	limit	(dB)	
5	QPSK	1	1	23.53	23.56	23.52	25.7	0.0	

n66 Ant0 DSI6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	1/2 BPSK	1	1	18.68	18.59	18.59		20.2	0.0
40	1/2 BPSK	1	108	18.65	18.69	18.58			
40	1/2 BPSK	1	214	18.65	18.64	18.68			
40	1/2 BPSK	108	0	18.65	18.71	18.66	20.2	0.0	
40	1/2 BPSK	108	54	18.65	18.63	18.73	20.2	0.0	
40	1/2 BPSK	108	108	18.64	18.63	18.55	20.2	0.0	
40	QPSK	1	1	18.70	18.76	18.70			
40	QPSK	1	108	18.62	18.65	18.57	20.2	0.0	
40	QPSK	1	214	18.60	18.68	18.63			
40	QPSK	108	0	18.62	18.60	18.61	20.2	0.0	
40	QPSK	108	54	18.65	18.73	18.72	20.2	0.0	
40	QPSK	108	108	18.65	18.67	18.63	20.2	0.0	
40	QPSK	216	0	18.62	18.72	18.55			
40	16QAM	1	1	18.57	18.65	18.66	20.2	0.0	
40	64QAM	1	1	18.70	18.65	18.67	20.2	0.0	
40	256QAM	1	1	17.90	18.01	17.92	18.7	0.5	
Channel				345000	349000	352500	Tune-up	MPR	
Frequency (MHz)				1727.5	1745	1762.5	limit	(dB)	
35	QPSK	1	1	22.57	22.57	22.59	20.2	0.0	
Channel				345000	349000	353000	Tune-up	MPR	
Frequency (MHz)				1725	1745	1765	limit	(dB)	
30	QPSK	1	1	22.51	22.58	22.62	20.2	0.0	
Channel				344500	349000	353500	Tune-up	MPR	
Frequency (MHz)				1722.5	1745	1767.5	limit	(dB)	
25	QPSK	1	1	22.51	22.58	22.59	20.2	0.0	
Channel				344000	349000	354000	Tune-up	MPR	
Frequency (MHz)				1720	1745	1770	limit	(dB)	
20	QPSK	1	1	22.53	22.60	22.63	20.2	0.0	
Channel				343500	349000	354500	Tune-up	MPR	
Frequency (MHz)				1717.5	1745	1772.5	limit	(dB)	
15	QPSK	1	1	22.48	22.61	22.61	20.2	0.0	
Channel				343000	349000	355000	Tune-up	MPR	
Frequency (MHz)				1715	1745	1775	limit	(dB)	
10	QPSK	1	1	22.52	22.66	22.69	20.2	0.0	
Channel				342500	349000	355500	Tune-up	MPR	
Frequency (MHz)				1712.5	1745	1777.5	limit	(dB)	
5	QPSK	1	1	22.57	22.62	22.53	20.2	0.0	



n38 Ant0 Other PA DSI6								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			2590.02	2595	2599.98		
40	1/2 BPS	1	1	24.11	24.33	24.18	24.7	0.0
40	1/2 BPS	1	53	24.28	24.23	24.19		
40	1/2 BPS	1	104	24.28	24.27	24.25		
40	1/2 BPS	50	0	24.22	24.24	24.08	24.7	0.0
40	1/2 BPS	50	28	24.15	24.31	24.14		
40	1/2 BPS	50	56	24.27	24.20	24.16	24.7	0.0
40	1/2 BPS	100	0	24.20	24.25	24.16		
40	QPSK	1	1	24.32	24.24	24.23		
40	QPSK	1	53	24.23	24.31	24.19	24.7	0.0
40	QPSK	1	104	24.15	24.11	24.27		
40	QPSK	50	0	24.25	24.22	24.24	24.7	0.0
40	QPSK	50	28	24.08	24.25	24.10	24.7	0.0
40	QPSK	50	56	24.17	24.17	24.25	24.7	0.0
40	QPSK	100	0	24.09	24.29	24.17		
40	16QAM	1	1	24.23	24.13	24.11	24.7	0.0
40	16QAM	1	1	23.95	23.07	22.97	23.2	1.5
40	256QAM	1	1	20.94	21.03	21.00	21.2	3.5
	Channel			517002	519000	520998	Tune-up	MPR
	Frequency (MHz)			2583.01	2585	2594.99	limit	(dB)
30	1/2 BPS	1	1	24.03	24.23	24.11	24.7	0.0
	Channel			518504	519000	521498	Tune-up	MPR
	Frequency (MHz)			2592.52	2595	2607.48	limit	(dB)
25	1/2 BPS	1	1	24.04	24.25	24.15	24.7	0.0
	Channel			518000	519000	522000	Tune-up	MPR
	Frequency (MHz)			2580	2585	2610	limit	(dB)
20	1/2 BPS	1	1	24.07	24.23	24.13	24.7	0.0
	Channel			515502	519000	522498	Tune-up	MPR
	Frequency (MHz)			2577.51	2585	2612.49	limit	(dB)
15	1/2 BPS	1	1	24.05	24.32	24.15	24.7	0.0
	Channel			515004	519000	522996	Tune-up	MPR
	Frequency (MHz)			2573.02	2585	2614.98	limit	(dB)
10	1/2 BPS	1	1	24.02	24.23	24.10	24.7	0.0

n41 Ant0 Other PA DSI6								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			2546.01	2552.99	2640		
100	1/2 BPS	1	1	23.71	23.69	23.78		
100	1/2 BPS	1	197	23.74	23.86	23.75	24.2	0.0
100	1/2 BPS	1	271	23.76	23.77	23.69		
100	1/2 BPS	135	0	23.69	23.77	23.78	24.2	0.0
100	1/2 BPS	135	69	23.84	23.97	23.75	24.2	0.0
100	1/2 BPS	135	138	23.71	23.81	23.79	24.2	0.0
100	1/2 BPS	270	0	23.77	23.88	23.83		
100	QPSK	1	1	23.84	23.84	23.79		
100	QPSK	1	137	23.85	23.80	23.76	25.4	0.0
100	QPSK	1	271	23.79	23.84	23.70		
100	QPSK	135	0	23.71	23.76	23.75	24.2	0.0
100	QPSK	135	69	23.86	23.81	23.69	24.2	0.0
100	QPSK	135	138	23.69	23.82	23.69	24.2	0.0
100	QPSK	270	0	23.70	23.87	23.83		
100	16QAM	1	1	23.72	23.73	23.79	24.2	0.0
100	16QAM	1	1	22.79	22.78	22.86	23.2	1.0
100	256QAM	1	1	20.74	20.79	20.74	21.2	3.0
	Channel			508200	518998	528996	Tune-up	MPR
	Frequency (MHz)			2641	2622.99	2644.98	limit	(dB)
50	1/2 BPS	1	1	23.60	23.50	23.75	24.2	0.0
	Channel			507204	518998	529998	Tune-up	MPR
	Frequency (MHz)			2638.02	2622.99	2648.99	limit	(dB)
80	1/2 BPS	1	1	23.61	23.67	23.67	24.2	0.0
	Channel			506202	518998	531000	Tune-up	MPR
	Frequency (MHz)			2631.01	2622.99	2655	limit	(dB)
70	1/2 BPS	1	1	23.67	23.50	23.69	24.2	0.0
	Channel			505200	518998	531996	Tune-up	MPR
	Frequency (MHz)			2626	2614	2639.98	limit	(dB)
60	1/2 BPS	1	1	23.66	23.79	23.73	24.2	0.0
	Channel			504204	518998	532998	Tune-up	MPR
	Frequency (MHz)			2624.02	2622.99	2634.99	limit	(dB)
50	1/2 BPS	1	1	23.63	23.84	23.77	24.2	0.0
	Channel			503202	518998	534000	Tune-up	MPR
	Frequency (MHz)			2618.04	2622.99	2610	limit	(dB)
40	1/2 BPS	1	1	23.63	23.89	23.75	24.2	0.0
	Channel			502200	518998	534998	Tune-up	MPR
	Frequency (MHz)			2611	2622.99	2674.98	limit	(dB)
30	1/2 BPS	1	1	23.61	23.80	23.72	24.2	0.0
	Channel			502200	518998	534998	Tune-up	MPR
	Frequency (MHz)			2611	2622.99	2674.98	limit	(dB)
25	1/2 BPS	1	1	23.69	23.79	23.75	24.2	0.0
	Channel			501204	518998	535998	Tune-up	MPR
	Frequency (MHz)			2606.02	2622.99	2674.99	limit	(dB)
20	1/2 BPS	1	1	23.70	23.79	23.75	24.2	0.0
	Channel			500700	518998	536498	Tune-up	MPR
	Frequency (MHz)			2600.5	2622.99	2669.48	limit	(dB)
15	1/2 BPS	1	1	23.68	23.85	23.75	24.2	0.0
	Channel			500202	518998	537000	Tune-up	MPR
	Frequency (MHz)			2591.01	2622.99	2665	limit	(dB)
10	1/2 BPS	1	1	23.65	23.84	23.71	24.2	0.0



n5 Ant1 DSI6								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq. 168800	Power Middle Ch. / Freq. 167500	Power High Ch. / Freq. 167600	Tune-up limit (dBm)	MPR (dB)
Channel				834	836.5	839		
Frequency (MHz)								
20	1/2 BPSK	1	1	23.14	23.03	23.07		
20	1/2 BPSK	1	53	23.00	23.08	22.97	23.7	0.0
20	1/2 BPSK	1	104	23.02	23.17	22.95		
20	1/2 BPSK	50	0	23.04	23.08	23.01	23.7	0.0
20	1/2 BPSK	50	88	23.05	23.09	23.07	23.7	0.0
20	1/2 BPSK	50	56	23.06	23.11	22.93	23.7	0.0
20	1/2 BPSK	100	0	23.13	23.09	22.99		
20	QPSK	1	1	23.10	23.22	22.95		
20	QPSK	1	53	23.06	23.17	23.09	23.7	0.0
20	QPSK	1	104	23.00	23.12	22.94		
20	QPSK	50	0	22.97	23.04	22.95	23.7	0.0
20	QPSK	50	26	23.03	23.21	22.93	23.7	0.0
20	QPSK	50	56	23.13	23.15	23.00	23.7	0.0
20	QPSK	100	0	23.13	23.19	23.07		
20	16QAM	1	1	23.08	23.19	22.95	23.7	0.0
20	16QAM	1	1	22.96	22.53	22.46	23.2	0.5
20	256QAM	1	1	20.96	20.62	20.58	21.2	2.5
Channel				168300	167300	168300	Tune-up	MPR
Frequency (MHz)								
15	QPSK	1	1	831.5	836.5	841.5	limit	(dB)
Channel				168800	167500	168800	Tune-up	MPR
Frequency (MHz)								
10	QPSK	1	1	830	836.5	844	limit	(dB)
Channel				168300	167500	168300	Tune-up	MPR
Frequency (MHz)								
5	QPSK	1	1	826.5	836.5	846.5	limit	(dB)
Channel				168300	167500	168300	Tune-up	MPR
Frequency (MHz)								
5	QPSK	1	1	23.04	23.13	22.94	23.7	0.0

n7 Ant1 Other PA DSI6								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq. 594000	Power Middle Ch. / Freq. 507000	Power High Ch. / Freq. 510000	Tune-up limit (dBm)	MPR (dB)
Channel				2520	2535	2550		
Frequency (MHz)								
40	1/2 BPSK	1	1	23.14	23.24	23.03		
40	1/2 BPSK	1	108	23.08	23.07	23.06	23.7	0.0
40	1/2 BPSK	1	214	23.14	23.23	23.13		
40	1/2 BPSK	108	0	23.12	23.22	23.06	23.7	0.0
40	1/2 BPSK	108	54	23.10	23.19	23.17	23.7	0.0
40	1/2 BPSK	108	108	23.08	23.10	23.01	23.7	0.0
40	1/2 BPSK	216	0	23.12	23.16	23.02		
40	QPSK	1	1	23.18	23.25	23.09		
40	QPSK	1	108	23.13	23.14	23.04	23.7	0.0
40	QPSK	1	214	23.09	23.19	23.06		
40	QPSK	108	0	23.18	23.09	23.09	23.7	0.0
40	QPSK	108	54	23.15	23.22	23.01	23.7	0.0
40	QPSK	108	108	23.18	23.14	23.07	23.7	0.0
40	QPSK	216	0	23.21	23.23	23.13		
40	16QAM	1	1	23.12	23.10	23.14	23.7	0.0
40	16QAM	1	1	22.98	22.58	22.54	23.2	0.5
40	256QAM	1	1	20.69	20.58	20.55	21.2	2.5
Channel				593500	507000	510500	Tune-up	MPR
Frequency (MHz)								
35	QPSK	1	1	2317.5	2535	2527.5	limit	(dB)
Channel				593000	507000	511000	Tune-up	MPR
Frequency (MHz)								
30	QPSK	1	1	2315	2535	2525	limit	(dB)
Channel				592500	507000	511500	Tune-up	MPR
Frequency (MHz)								
25	QPSK	1	1	2312.5	2535	2527.5	limit	(dB)
Channel				592000	507000	512000	Tune-up	MPR
Frequency (MHz)								
20	QPSK	1	1	2310	2535	2520	limit	(dB)
Channel				591500	507000	512500	Tune-up	MPR
Frequency (MHz)								
15	QPSK	1	1	2307.5	2535	2522.5	limit	(dB)
Channel				591000	507000	513000	Tune-up	MPR
Frequency (MHz)								
10	QPSK	1	1	2311	23.18	23.08	23.7	0.0
Channel				590500	507000	513500	Tune-up	MPR
Frequency (MHz)								
5	QPSK	1	1	23.05	23.18	23.02	23.7	0.0

n12 Ant1 DSI6								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq. 141300	Power Middle Ch. / Freq. 141500	Power High Ch. / Freq. 141700	Tune-up limit (dBm)	MPR (dB)
Channel				708.5	707.5	708.5		
Frequency (MHz)								
15	1/2 BPSK	1	1	24.92	24.98	24.95		
15	1/2 BPSK	1	40	24.85	24.91	24.81	25.7	0.0
15	1/2 BPSK	1	77	24.85	24.90	24.83		
15	1/2 BPSK	36	0	24.27	24.37	24.36	25.2	0.5
15	1/2 BPSK	36	22	24.81	24.87	24.76	25.7	0.0
15	1/2 BPSK	36	43	24.27	24.30	24.28	25.2	0.5
15	1/2 BPSK	75	0	24.31	24.37	24.29		
15	QPSK	1	1	24.91	25.01	25.00		
15	QPSK	1	40	24.82	24.85	24.82	25.7	0.0
15	QPSK	1	77	24.83	24.85	24.85		
15	QPSK	36	0	23.91	23.94	23.84	24.7	1.0
15	QPSK	36	22	24.88	24.82	24.84	25.7	0.0
15	QPSK	36	43	23.72	23.80	23.70	24.7	1.0
15	QPSK	75	0	23.84	23.91	23.81		
15	16QAM	1	1	23.89	23.85	23.86	24.7	1.0
15	16QAM	1	1	22.25	22.32	22.29	23.2	2.5
15	256QAM	1	1	20.38	20.37	20.35	21.2	4.5
Channel				140800	141500	142200	Tune-up	MPR
Frequency (MHz)								
10	QPSK	1	1	704	706.5	711	limit	(dB)
Channel				140300	141500	142700	Tune-up	MPR
Frequency (MHz)								
5	QPSK	1	1	701.5	706.5	713.5	limit	(dB)
Channel				140300	141500	142700	Tune-up	MPR
Frequency (MHz)								
5	QPSK	1	1	24.92	24.95	24.97	25.7	0.0



n26 Ant1 DSI6								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. F.Freq. 164800	Power Middle Ch. F.Freq. 166300	Power High Ch. F.Freq. 167800	Tune-up [dB]	MPR [dB]
				824	831.5	839		
20	1/2 BPSK	1	1	23.18	23.12	23.12		
20	1/2 BPSK	1	53	23.07	23.16	23.01	23.7	0.0
20	1/2 BPSK	1	104	23.12	23.16	23.04		
20	1/2 BPSK	50	0	23.10	23.11	23.04	23.7	0.0
20	1/2 BPSK	50	26	23.15	23.12	23.14	23.7	0.0
20	1/2 BPSK	50	56	23.08	23.13	22.98	23.7	0.0
20	1/2 BPSK	100	0	23.20	23.16	23.05		
20	QPSK	1	1	23.12	23.00	23.00		
20	QPSK	1	53	23.10	23.26	23.11	23.7	0.0
20	QPSK	1	104	23.01	23.19	23.02		
20	QPSK	50	0	23.01	23.05	22.97	23.7	0.0
20	QPSK	50	26	23.08	23.26	23.04	23.7	0.0
20	QPSK	50	56	23.18	23.21	23.10	23.7	0.0
20	QPSK	100	0	23.15	23.25	23.15		
20	16QAM	1	1	23.14	23.26	23.03	23.7	0.0
20	16QAM	1	1	22.80	22.89	22.86	23.2	0.5
20	256QAM	1	1	20.38	20.54	20.44	21.2	0.5
				164300	166300	168300	Tune-up [dB]	MPR
	Frequency (MHz)			824	831.5	839	limit	(dB)
15	QPSK	1	1	23.04	23.27	23.00	23.7	0.0
				163800	166300	168800	Tune-up	MPR
	Frequency (MHz)			810	831.5	844	limit	(dB)
10	QPSK	1	1	23.05	23.21	22.95	23.7	0.0
				163300	166300	168300	Tune-up	MPR
	Frequency (MHz)			816.5	831.5	848.5	limit	(dB)
5	QPSK	1	1	23.05	23.27	22.92	23.7	0.0

n66 Ant1 DSI6								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. F.Freq. 349000	Power Middle Ch. F.Freq. 349000	Power High Ch. F.Freq. 352000	Tune-up [dB]	MPR [dB]
				1730	1745	1760		
40	1/2 BPSK	1	1	19.08	19.07	18.99		
40	1/2 BPSK	1	108	19.08	19.15	19.01	20.5	0.0
40	1/2 BPSK	1	214	18.99	19.10	19.01		
40	1/2 BPSK	108	0	19.10	19.02	19.00	20.5	0.0
40	1/2 BPSK	108	54	19.08	19.08	18.98	20.5	0.0
40	1/2 BPSK	108	108	19.13	19.03	18.93	20.5	0.0
40	1/2 BPSK	216	0	18.97	18.14	18.98		
40	QPSK	1	1	19.01	19.23	18.95		
40	QPSK	1	108	19.04	19.00	18.88	20.5	0.0
40	QPSK	1	214	19.12	18.11	19.04		
40	QPSK	108	0	19.03	19.08	18.92	20.5	0.0
40	QPSK	108	54	19.07	19.15	19.03	20.5	0.0
40	QPSK	108	108	19.10	19.06	18.95	20.5	0.0
40	QPSK	216	0	19.13	19.14	18.97	20.5	0.0
40	16QAM	1	1	18.88	19.00	18.87	20.5	0.0
40	16QAM	1	1	19.04	19.06	19.02	20.5	0.0
40	256QAM	1	1	17.66	17.73	17.68	19.0	1.5
				345500	349000	352500	Tune-up	MPR
	Frequency (MHz)			1722.5	1745	1762.5	limit	(dB)
35	QPSK	1	1	19.89	19.15	19.85	20.5	0.0
				345000	349000	353000	Tune-up	MPR
	Frequency (MHz)			1725	1745	1765	limit	(dB)
30	QPSK	1	1	19.97	19.13	19.93	20.5	0.0
				344500	349000	353500	Tune-up	MPR
	Frequency (MHz)			1722.5	1745	1767.5	limit	(dB)
25	QPSK	1	1	19.94	19.15	19.93	20.5	0.0
				344000	349000	354000	Tune-up	MPR
	Frequency (MHz)			1720	1745	1770	limit	(dB)
20	QPSK	1	1	19.91	19.15	19.94	20.5	0.0
				343500	349000	354500	Tune-up	MPR
	Frequency (MHz)			1717.5	1745	1772.5	limit	(dB)
15	QPSK	1	1	19.86	19.16	19.87	20.5	0.0
				343000	349000	355000	Tune-up	MPR
	Frequency (MHz)			1715	1745	1775	limit	(dB)
10	QPSK	1	1	19.84	19.17	19.90	20.5	0.0
				342500	349000	355500	Tune-up	MPR
	Frequency (MHz)			1712.5	1745	1777.5	limit	(dB)
5	QPSK	1	1	19.84	19.10	19.83	20.5	0.0



Part270 n78 Ant1 Other PA DSI6 PC2

BW [MHz]	Modulat ion	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)								
100	1/2 BPSK	1	1	21.54				
100	1/2 BPSK	1	137	21.48				
100	1/2 BPSK	1	271	21.57				22.5 0.0
100	1/2 BPSK	135	0	21.41				22.5 0.0
100	1/2 BPSK	135	69	21.59				22.5 0.0
100	1/2 BPSK	135	138	21.51				22.5 0.0
100	1/2 BPSK	270	0	21.44				22.5 0.0
100	QPSK	1	1	21.51				
100	QPSK	1	137	21.44				22.5 0.0
100	QPSK	1	271	21.50				
100	QPSK	135	0	21.54				22.5 0.0
100	QPSK	135	69	21.55				22.5 0.0
100	QPSK	135	138	21.53				22.5 0.0
100	QPSK	270	0	21.44				22.5 0.0
100	16QAM	1	1	21.33				22.5 0.0
100	64QAM	1	1	21.41				22.5 0.0
100	256QAM	1	1	21.53				22.5 0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	64968	65000	65034	Tune-up	MPR
				3745.02	3750	3755.01	limit (dB)	
Channel								
Frequency (MHz)								
80	QPSK	1	1	64934	65000	65068	Tune-up	MPR
				3740.01	3750	3760.02	limit (dB)	
Channel								
Frequency (MHz)								
70	QPSK	1	1	64900	65000	65100	Tune-up	MPR
				3735	3750	3765	limit (dB)	
Channel								
Frequency (MHz)								
60	QPSK	1	1	64868	65000	65134	Tune-up	MPR
				3730.02	3750	3770.01	limit (dB)	
Channel								
Frequency (MHz)								
50	QPSK	1	1	64834	65000	65168	Tune-up	MPR
				3725.01	3750	3775.02	limit (dB)	
Channel								
Frequency (MHz)								
40	QPSK	1	1	64800	65000	65200	Tune-up	MPR
				3720	3750	3780	limit (dB)	
Channel								
Frequency (MHz)								
30	QPSK	1	1	64768	65000	65234	Tune-up	MPR
				3715.02	3750	3785.01	limit (dB)	
Channel								
Frequency (MHz)								
25	QPSK	1	1	64734	65000	65250	Tune-up	MPR
				3712.5	3750	3787.5	limit (dB)	
Channel								
Frequency (MHz)								
20	QPSK	1	1	64700	65000	65268	Tune-up	MPR
				3710.01	3750	3790.02	limit (dB)	
Channel								
Frequency (MHz)								
15	QPSK	1	1	64718	65000	652834	Tune-up	MPR
				3707.52	3750	3792.51	limit (dB)	
Channel								
Frequency (MHz)								
10	QPSK	1	1	64700	65000	65300	Tune-up	MPR
				3705	3750	3795	limit (dB)	

Part27Q n78 Ant1 Other PA DSI6

BW [MHz]	Modulat ion	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)								
100	1/2 BPSK	1	1	18.34				
100	1/2 BPSK	1	137	18.27				
100	1/2 BPSK	1	271	18.53				19.5 0.0
100	1/2 BPSK	135	0	18.22				19.5 0.0
100	1/2 BPSK	135	69	18.24				19.5 0.0
100	1/2 BPSK	135	138	18.56				19.5 0.0
100	1/2 BPSK	270	0	18.25				19.5 0.0
100	QPSK	1	1	18.28				
100	QPSK	1	137	18.83				19.5 0.0
100	QPSK	1	271	18.53				
100	QPSK	135	0	18.24				19.5 0.0
100	QPSK	135	69	18.51				19.5 0.0
100	QPSK	135	138	18.50				19.5 0.0
100	QPSK	270	0	18.25				19.5 0.0
100	16QAM	1	1	18.22				19.5 0.0
100	64QAM	1	1	18.24				19.5 0.0
100	256QAM	1	1	18.22				19.5 0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	63300	63334	63368	Tune-up	MPR
				3500.01	3505.02	3510.03	limit (dB)	
Channel								
Frequency (MHz)								
80	QPSK	1	1	63268	63334	63400	Tune-up	MPR
				3490.02	3500.01	3510	limit (dB)	
Channel								
Frequency (MHz)								
70	QPSK	1	1	63234	63334	63434	Tune-up	MPR
				3485.01	3500.01	3515.01	limit (dB)	
Channel								
Frequency (MHz)								
60	QPSK	1	1	63200	63334	63468	Tune-up	MPR
				3480	3500.01	3520.02	limit (dB)	
Channel								
Frequency (MHz)								
50	QPSK	1	1	63168	63334	63500	Tune-up	MPR
				3475.02	3500.01	3525	limit (dB)	
Channel								
Frequency (MHz)								
40	QPSK	1	1	63134	63334	63534	Tune-up	MPR
				3470.01	3500.01	3530.01	limit (dB)	
Channel								
Frequency (MHz)								
30	QPSK	1	1	63100	63334	63568	Tune-up	MPR
				3465	3500.01	3535.02	limit (dB)	
Channel								
Frequency (MHz)								
25	QPSK	1	1	63068	63334	63600	Tune-up	MPR
				3462.51	3500.01	3537.51	limit (dB)	
Channel								
Frequency (MHz)								
20	QPSK	1	1	63034	63334	63634	Tune-up	MPR
				3460.02	3500.01	3540	limit (dB)	
Channel								
Frequency (MHz)								
15	QPSK	1	1	63050	63334	63618	Tune-up	MPR
				3457.5	3500.01	3542.52	limit (dB)	
Channel								
Frequency (MHz)								
10	QPSK	1	1	63034	63334	63634	Tune-up	MPR
				3455.01	3500.01	3545.01	limit (dB)	

Part27Q n78 Ant1 Other PA DSI6 PC2

BW [MHz]	Modulat ion	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)								
100	1/2 BPSK	1	1	21.91				
100	1/2 BPSK	1	137	21.78				
100	1/2 BPSK	1	271	22.01				22.5 0.0
100	1/2 BPSK	135	0	21.96				22.5 0.0
100	1/2 BPSK	135	69	21.99				22.5 0.0
100	1/2 BPSK	135	138	21.97				22.5 0.0
100	1/2 BPSK	270	0	21.88				22.5 0.0
100	QPSK	1	1	22.05				
100	QPSK	1	137	21.92				22.5 0.0
100	QPSK	1	271	21.83				
100	QPSK	135	0	21.90				22.5 0.0
100	QPSK	135	69	21.95				22.5 0.0
100	QPSK	135	138	21.94				22.5 0.0
100	QPSK	270	0	21.94				22.5 0.0
100	16QAM	1	1	21.88				22.5 0.0
100	64QAM	1	1	21.89				22.5 0.0
100	256QAM	1	1	21.96				22.5 0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	63300	63334	63368	Tune-up	MPR
				3500.01	3505.02	3505.02	limit (dB)	
Channel								
Frequency (MHz)								
80	QPSK	1	1	63268	63334	63400	Tune-up	MPR
				3490.02	3500.01	3510	limit (dB)	
Channel								
Frequency (MHz)								
70	QPSK	1	1	63234	63334	63434	Tune-up	MPR
				3485.01	3500.01	3515.01	limit (dB)	
Channel								
Frequency (MHz)								
60	QPSK	1	1	63200	63334	63468	Tune-up	MPR
				3480	3500.01	3520.02	limit (dB)	
Channel								
Frequency (MHz)								
50	QPSK	1	1	63168	63334	63500	Tune-up	MPR
				3475.02	3500.01	3525	limit (dB)	
Channel								
Frequency (MHz)								
40	QPSK	1	1	63134	63334	63534	Tune-up	MPR
				3470.01	3500.01	3530.01	limit (dB)	
Channel								
Frequency (MHz)								
30	QPSK	1	1	63100	63334	63568	Tune-up	MPR
				3465	3500.01	3535.02	limit (dB)	
Channel								
Frequency (MHz)								
25	QPSK	1	1	63068	63334	63600	Tune-up	MPR
				3462.51	3500.01	3537.51	limit (dB)	
Channel								
Frequency (MHz)								
20	QPSK	1	1	63034	63334	63634	Tune-up	MPR
				3460.02	3500.01	3540	limit (dB)	
Channel								
Frequency (MHz)								
15	QPSK	1	1	63050	63334	63618	Tune-up	MPR
				3457.5	3500.01	3542.52	limit (dB)	
Channel								
Frequency (MHz)								
10	QPSK	1	1	63034	63334	63634	Tune-up	MPR
				3455.01	3500.01	3545.01	limit (dB)	



n2 Ant5 DS16								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq. 374000	Power Middle Ch. / Freq. 376000	Power High Ch. / Freq. 378000	Tune-up limit (dBm)	MPR (dB)
40	1/2 BPSK	1	1	21.35	21.29	21.42		
40	1/2 BPSK	1	108	21.35	21.42	21.39		
40	1/2 BPSK	1	214	21.36	21.43	21.49		22.3
40	1/2 BPSK	108	0	21.50	21.32	21.28		22.3
40	1/2 BPSK	108	54	21.32	21.41	21.34		22.3
40	1/2 BPSK	108	108	21.42	21.32	21.26		22.3
40	1/2 BPSK	216	0	21.47	21.27	21.35		22.3
40	QPSK	1	1	21.30	21.52	21.34		
40	QPSK	1	108	21.50	21.48	21.41		22.3
40	QPSK	1	214	21.31	21.29	21.45		
40	QPSK	108	0	21.38	21.35	21.41		22.3
40	QPSK	108	54	21.31	21.48	21.36		22.3
40	QPSK	108	108	21.35	21.46	21.40		22.3
40	QPSK	216	0	21.27	21.51	21.46		22.3
40	16QAM	1	1	21.43	21.33	21.32		22.3
40	16QAM	1	1	21.41	21.33	21.33		22.3
40	256QAM	1	1	19.92	19.61	19.51		20.8
	Channel			374500	376000	378500	Tune-up	MPR
	Frequency (MHz)			187.5	189	192.5	limit (dB)	(dB)
35	QPSK	1	1	21.31	21.47	21.31		22.3
	Channel			374000	376000	378000	Tune-up	MPR
	Frequency (MHz)			188.5	189	192.5	limit (dB)	(dB)
30	QPSK	1	1	21.32	21.46	21.27		22.3
	Channel			372500	376000	379500	Tune-up	MPR
	Frequency (MHz)			189.5	189	193.5	limit (dB)	(dB)
25	QPSK	1	1	21.32	21.43	21.24		22.3
	Channel			372000	376000	380000	Tune-up	MPR
	Frequency (MHz)			190	189	190	limit (dB)	(dB)
20	QPSK	1	1	21.36	21.41	21.24		22.3
	Channel			371500	376000	380500	Tune-up	MPR
	Frequency (MHz)			190.5	189	192.5	limit (dB)	(dB)
15	QPSK	1	1	21.29	21.43	21.30		22.3
	Channel			371000	376000	381000	Tune-up	MPR
	Frequency (MHz)			190.5	189	190.5	limit (dB)	(dB)
10	QPSK	1	1	21.30	21.45	21.27		22.3
	Channel			370500	376000	381500	Tune-up	MPR
	Frequency (MHz)			190.5	189	190.5	limit (dB)	(dB)
5	QPSK	1	1	21.35	21.41	21.31		22.3

n7 Ant5 DS16								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq. 504000	Power Middle Ch. / Freq. 507000	Power High Ch. / Freq. 510000	Tune-up limit (dBm)	MPR (dB)
40	1/2 BPSK	1	1	18.69	18.81	18.81		
40	1/2 BPSK	1	108	18.76	18.79	18.70		
40	1/2 BPSK	1	214	18.73	18.71	18.71		19.2
40	1/2 BPSK	108	0	18.74	18.75	18.84		19.2
40	1/2 BPSK	108	54	18.65	18.72	18.79		19.2
40	1/2 BPSK	108	108	18.65	18.83	18.72		19.2
40	1/2 BPSK	216	0	18.79	18.80	18.74		19.2
40	QPSK	1	1	18.72	18.88	18.71		
40	QPSK	1	108	18.74	18.72	18.70		19.2
40	QPSK	1	214	18.65	18.69	18.76		
40	QPSK	108	0	18.70	18.62	18.73		19.2
40	QPSK	108	54	18.79	18.83	18.74		19.2
40	QPSK	108	108	18.77	18.73	18.71		19.2
40	QPSK	216	0	18.75	18.86	18.71		19.2
40	16QAM	1	1	18.72	18.83	18.77		19.2
40	16QAM	1	1	18.68	18.84	18.77		19.2
40	256QAM	1	1	18.68	18.79	18.68		19.2
	Channel			503500	507000	510500	Tune-up	MPR
	Frequency (MHz)			231.75	233	232.5	limit (dB)	(dB)
35	QPSK	1	1	18.70	18.82	18.62		19.2
	Channel			503000	507000	511000	Tune-up	MPR
	Frequency (MHz)			231.5	233	232.5	limit (dB)	(dB)
30	QPSK	1	1	18.70	18.78	18.60		19.2
	Channel			502500	507000	511500	Tune-up	MPR
	Frequency (MHz)			231.25	233	232.5	limit (dB)	(dB)
25	QPSK	1	1	18.65	18.83	18.69		19.2
	Channel			502000	507000	512000	Tune-up	MPR
	Frequency (MHz)			231.0	233	232.0	limit (dB)	(dB)
20	QPSK	1	1	18.62	18.85	18.63		19.2
	Channel			501500	507000	512500	Tune-up	MPR
	Frequency (MHz)			230.75	233	232.5	limit (dB)	(dB)
15	QPSK	1	1	18.62	18.80	18.69		19.2
	Channel			501000	507000	513000	Tune-up	MPR
	Frequency (MHz)			230.5	233	232.5	limit (dB)	(dB)
10	QPSK	1	1	18.69	18.78	18.60		19.2
	Channel			500500	507000	513500	Tune-up	MPR
	Frequency (MHz)			230.25	233	232.5	limit (dB)	(dB)
5	QPSK	1	1	18.71	18.82	18.63		19.2

n66 Ant5 DS16								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq. 346000	Power Middle Ch. / Freq. 349000	Power High Ch. / Freq. 352000	Tune-up limit (dBm)	MPR (dB)
40	1/2 BPSK	1	1	22.04	22.16	22.13		
40	1/2 BPSK	1	108	22.03	22.15	22.08		
40	1/2 BPSK	1	214	22.11	22.12	22.00		22.7
40	1/2 BPSK	108	0	22.01	22.23	22.09		22.7
40	1/2 BPSK	108	54	22.08	22.19	22.08		22.7
40	1/2 BPSK	108	108	22.01	22.13	22.02		22.7
40	1/2 BPSK	216	0	21.98	22.17	22.01		22.7
40	QPSK	1	1	22.01	22.26	22.00		
40	QPSK	1	108	22.05	22.13	22.00		22.7
40	QPSK	1	214	22.06	22.12	22.06		
40	QPSK	108	0	22.00	22.21	22.08		22.7
40	QPSK	108	54	22.04	22.22	22.12		22.7
40	QPSK	108	108	22.12	22.10	22.07		22.7
40	QPSK	216	0	22.13	22.15	22.11		22.7
40	16QAM	1	1	22.05	22.08	22.05		22.7
40	16QAM	1	1	21.97	22.12	22.02		22.7
40	256QAM	1	1	20.51	20.72	20.47		21.2
	Channel			345500	349000	352500	Tune-up	MPR
	Frequency (MHz)			172.5	174.5	174.5	limit (dB)	(dB)
35	QPSK	1	1	21.98	22.20	21.92		22.7
	Channel			345000	349000	353000	Tune-up	MPR
	Frequency (MHz)			172.3	174.5	174.5	limit (dB)	(dB)
30	QPSK	1	1	21.91	22.16	21.95		22.7
	Channel			344500	349000	353500	Tune-up	MPR
	Frequency (MHz)			172.1	174.5	174.5	limit (dB)	(dB)
25	QPSK	1	1	21.95	22.17	21.90		22.7
	Channel			344000	349000	354000	Tune-up	MPR
	Frequency (MHz)			171.9	174.5	174.5	limit (dB)	(dB)
20	QPSK	1	1	21.94	22.15	21.92		22.7
	Channel			343500	349000	354500	Tune-up	MPR
	Frequency (MHz)			171.7	174.5	174.5	limit (dB)	(dB)
15	QPSK	1	1	21.91	22.15	21.96		22.7
	Channel			343000	349000	355000	Tune-up	MPR
	Frequency (MHz)			171.5	174.5	174.5	limit (dB)	(dB)
10	QPSK	1	1	21.91	22.22	21.97		22.7
	Channel			342500	349000	355500	Tune-up	MPR
	Frequency (MHz)			171.5	174.5	174.5	limit (dB)	(dB)
5	QPSK	1	1	21.95	22.24	21.96		22.7



n38 Ant5 DSI6								
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	519004	519000	519996	
				Frequency (MHz)	2590.02	2595	2599.98	
40	1/2 BPSK	1	1	18.92	19.04	18.98	19.7	0.0
40	1/2 BPSK	1	53	18.90	19.05	18.99		
40	1/2 BPSK	1	104	18.99	19.07	19.03		
40	1/2 BPSK	50	0	18.94	19.13	18.91	19.7	0.0
40	1/2 BPSK	50	28	18.90	19.09	18.91	19.7	0.0
40	1/2 BPSK	50	56	18.94	19.12	19.03	19.7	0.0
40	1/2 BPSK	100	0	19.01	19.00	18.92	19.7	0.0
40	QPSK	1	1	19.03	19.15	19.05		
40	QPSK	1	53	18.90	19.03	18.95	19.7	0.0
40	QPSK	1	104	18.99	18.98	19.00		
40	QPSK	50	0	18.96	19.11	18.91	19.7	0.0
40	QPSK	50	28	18.91	19.12	18.99	19.7	0.0
40	QPSK	50	56	18.94	19.02	19.02	19.7	0.0
40	QPSK	100	0	19.05	19.09	19.05		
40	16QAM	1	1	18.95	19.01	18.89	19.7	0.0
40	16QAM	1	1	18.94	19.00	19.01	19.7	0.0
40	256QAM	1	1	19.02	19.03	19.02	19.7	0.0
				Channel	517002	519000	520998	Tune-up MPR
				Frequency (MHz)	2583.01	2595	2604.99	limit (dB)
30	QPSK	1	1	19.03	19.05	19.00	19.7	0.0
				Channel	516504	519000	521498	Tune-up MPR
				Frequency (MHz)	2592.52	2595	2607.48	limit (dB)
25	QPSK	1	1	19.02	19.12	19.01	19.7	0.0
				Channel	516000	519000	522000	Tune-up MPR
				Frequency (MHz)	2580	2595	2610	limit (dB)
20	QPSK	1	1	19.01	19.05	19.00	19.7	0.0
				Channel	515502	519000	522498	Tune-up MPR
				Frequency (MHz)	2577.51	2595	2612.49	limit (dB)
15	QPSK	1	1	19.01	19.05	19.01	19.7	0.0
				Channel	515004	519000	522996	Tune-up MPR
				Frequency (MHz)	2575.02	2595	2614.98	limit (dB)
10	QPSK	1	1	18.94	19.07	19.01	19.7	0.0

n41 Ant5 DSI6								
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	518998	520000	
				Frequency (MHz)	2546.01	2552.99	2640	
100	1/2 BPSK	1	1	19.48	19.60	19.60		
100	1/2 BPSK	1	197	19.63	19.52	19.52	20.2	0.0
100	1/2 BPSK	1	271	19.59	19.65	19.47		
100	1/2 BPSK	135	0	19.59	19.50	19.59	20.2	0.0
100	1/2 BPSK	135	69	19.60	19.60	19.60	20.2	0.0
100	1/2 BPSK	135	138	19.53	19.56	19.54	20.2	0.0
100	1/2 BPSK	270	0	19.60	19.65	19.49		
100	QPSK	1	1	19.62	19.69	19.48		
100	QPSK	1	137	19.54	19.53	19.48	20.2	0.0
100	QPSK	1	271	19.50	19.64	19.45		
100	QPSK	135	0	19.58	19.62	19.56	20.2	0.0
100	QPSK	135	69	19.54	19.65	19.45	20.2	0.0
100	QPSK	135	138	19.48	19.58	19.57	20.2	0.0
100	QPSK	270	0	19.56	19.58	19.43		
100	16QAM	1	1	19.51	19.54	19.50	20.2	0.0
100	16QAM	1	1	19.64	19.60	19.50	20.2	0.0
100	256QAM	1	1	19.64	19.59	19.47	20.2	0.0
				Channel	508200	518998	520998	Tune-up MPR
				Frequency (MHz)	2541	2552.99	2644.98	limit (dB)
50	QPSK	1	1	19.60	19.67	19.44	20.2	0.0
				Channel	507204	518998	520998	Tune-up MPR
				Frequency (MHz)	2535.02	2552.99	2640.99	limit (dB)
80	QPSK	1	1	19.51	19.67	19.41	20.2	0.0
				Channel	506202	518998	531000	Tune-up MPR
				Frequency (MHz)	2531.01	2552.99	2655	limit (dB)
70	QPSK	1	1	19.55	19.67	19.43	20.2	0.0
				Channel	505200	518998	531998	Tune-up MPR
				Frequency (MHz)	2526	2552.99	2659.98	limit (dB)
60	QPSK	1	1	19.60	19.64	19.41	20.2	0.0
				Channel	504204	518998	532998	Tune-up MPR
				Frequency (MHz)	2521.02	2552.99	2664.98	limit (dB)
50	QPSK	1	1	19.58	19.63	19.39	20.2	0.0
				Channel	503202	518998	534000	Tune-up MPR
				Frequency (MHz)	2516.01	2552.99	2670	limit (dB)
40	QPSK	1	1	19.53	19.58	19.41	20.2	0.0
				Channel	502200	518998	534998	Tune-up MPR
				Frequency (MHz)	2511	2552.99	2674.98	limit (dB)
30	QPSK	1	1	19.52	19.67	19.39	20.2	0.0
				Channel	502200	518998	534998	Tune-up MPR
				Frequency (MHz)	2511	2552.99	2674.98	limit (dB)
25	QPSK	1	1	19.59	19.66	19.38	20.2	0.0
				Channel	501204	518998	535998	Tune-up MPR
				Frequency (MHz)	2506.02	2552.99	2679.99	limit (dB)
20	QPSK	1	1	19.52	19.66	19.45	20.2	0.0
				Channel	500700	518998	536498	Tune-up MPR
				Frequency (MHz)	2500.5	2552.99	2683.48	limit (dB)
15	QPSK	1	1	19.56	19.58	19.38	20.2	0.0
				Channel	500202	518998	537000	Tune-up MPR
				Frequency (MHz)	2491.01	2552.99	2685	limit (dB)
10	QPSK	1	1	19.57	19.67	19.38	20.2	0.0



n2 Ant6 DS16									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq. 374000	Power Middle Ch. / Freq. 376000	Power High Ch. / Freq. 378000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	1/2 BPSK	1	1	22.72	22.76	22.70		24.2	0.0
40	1/2 BPSK	1	108	22.66	22.81	22.78			
40	1/2 BPSK	1	214	22.79	22.78	22.74			
40	1/2 BPSK	108	0	22.74	22.83	22.72		24.2	0.0
40	1/2 BPSK	108	54	22.70	22.81	22.68		24.2	0.0
40	1/2 BPSK	108	108	22.79	22.78	22.71		24.2	0.0
40	1/2 BPSK	216	0	22.77	22.74	22.82			
40	QPSK	1	1	22.76	22.85	22.73			
40	QPSK	1	108	22.70	22.82	22.73		24.2	0.0
40	QPSK	1	214	22.68	22.79	22.84			
40	QPSK	108	0	22.78	22.73	22.79		24.2	0.0
40	QPSK	108	54	22.79	22.91	22.75		24.2	0.0
40	QPSK	108	108	22.77	22.88	22.77		24.2	0.0
40	QPSK	216	0	22.80	22.89	22.71			
40	16QAM	1	1	22.75	22.72	22.72		24.2	0.0
40	16QAM	1	1	21.17	21.37	21.21		22.7	1.5
40	256QAM	1	1	20.98	20.44	20.42		20.7	3.5
Channel									
Frequency (MHz)									
35	QPSK	1	1	22.72	22.94	22.70		24.2	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.85	18.80	18.95			
Channel									
Frequency (MHz)									
25	QPSK	1	1	18.72	18.80	18.75			
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.74	18.92	18.67		24.2	0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.75	18.80	18.72			
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.75	22.93	22.84		24.2	0.0
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.05	22.86	22.89		24.2	0.0

n7 Ant6 DS16									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq. 504000	Power Middle Ch. / Freq. 507000	Power High Ch. / Freq. 510000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	1/2 BPSK	1	1	20.91	20.89	20.96		21.7	0.0
40	1/2 BPSK	1	108	21.02	20.99	20.97			
40	1/2 BPSK	1	214	20.99	21.03	20.95			
40	1/2 BPSK	108	0	21.11	20.95	20.82		21.7	0.0
40	1/2 BPSK	108	54	20.98	21.00	20.93		21.7	0.0
40	1/2 BPSK	108	108	21.01	20.97	20.97		21.7	0.0
40	1/2 BPSK	216	0	21.05	20.91	20.95			
40	QPSK	1	1	21.01	21.14	21.04			
40	QPSK	1	108	21.05	20.99	20.89		21.7	0.0
40	QPSK	1	214	20.88	21.01	21.00			
40	QPSK	108	0	20.94	21.05	20.94		21.7	0.0
40	QPSK	108	54	20.88	21.12	21.00		21.7	0.0
40	QPSK	108	108	20.99	20.98	21.07		21.7	0.0
40	QPSK	216	0	20.90	21.11	20.99			
40	16QAM	1	1	20.93	20.95	20.97		21.7	0.0
40	16QAM	1	1	21.04	20.91	20.88		21.7	0.0
40	256QAM	1	1	20.01	20.08	19.99		21.2	0.5
Channel									
Frequency (MHz)									
35	QPSK	1	1	20.99	21.09	21.03		21.7	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.92	20.95	20.95			
Channel									
Frequency (MHz)									
25	QPSK	1	1	20.97	21.08	20.97		21.7	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.92	21.03	21.01		21.7	0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.97	21.10	20.94		21.7	0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.95	21.10	20.97		21.7	0.0
Channel									
Frequency (MHz)									
5	QPSK	1	1	20.93	21.12	21.00		21.7	0.0

n66 Ant6 DS16									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq. 346000	Power Middle Ch. / Freq. 349000	Power High Ch. / Freq. 352000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	1/2 BPSK	1	1	21.85	21.85	21.84		23.2	0.0
40	1/2 BPSK	1	108	21.73	21.70	21.83			
40	1/2 BPSK	1	214	21.89	21.85	21.66			
40	1/2 BPSK	108	0	21.75	21.77	21.81		23.2	0.0
40	1/2 BPSK	108	54	21.83	21.72	21.92		23.2	0.0
40	1/2 BPSK	108	108	21.74	21.73	21.84		23.2	0.0
40	1/2 BPSK	216	0	21.70	21.86	21.76			
40	QPSK	1	1	21.78	21.88	21.80			
40	QPSK	1	108	21.71	21.79	21.85		23.2	0.0
40	QPSK	1	214	21.86	21.87	21.71			
40	QPSK	108	0	21.88	21.75	21.68		23.2	0.0
40	QPSK	108	54	21.74	21.80	21.70		23.2	0.0
40	QPSK	108	108	21.79	21.79	21.77		23.2	0.0
40	QPSK	216	0	21.87	21.78	21.66			
40	16QAM	1	1	21.75	21.88	21.84		23.2	0.0
40	16QAM	1	1	21.82	21.70	21.88		23.2	0.0
40	256QAM	1	1	19.53	19.61	19.56		21.2	2.0
Channel									
Frequency (MHz)									
35	QPSK	1	1	21.70	21.73	21.69		0.0	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.76	21.81	21.77			
Channel									
Frequency (MHz)									
25	QPSK	1	1	21.72	21.75	21.75			
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.74	21.76	21.73		23.2	0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	21.69	21.73	21.77		23.2	0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	21.78	21.78	21.71		23.2	0.0
Channel									
Frequency (MHz)									
5	QPSK	1	1	21.69	21.76	21.77		23.2	0.0



Part270 n78 Ant6 DSI6 PC2									
BW [MHz]	Modulat ion	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)									
100	1/2 BPSK	1	1		21.93		23.5	0.0	
100	1/2 BPSK	1	137		21.95				
100	1/2 BPSK	1	271		21.94				
100	1/2 BPSK	135	0		21.86		23.5	0.0	
100	1/2 BPSK	135	69		21.99		23.5	0.0	
100	1/2 BPSK	135	138		21.86		23.5	0.0	
100	1/2 BPSK	270	0		21.95		23.5	0.0	
100	QPSK	1	1		22.03				
100	QPSK	1	137		21.94		23.5	0.0	
100	QPSK	1	271		22.03				
100	QPSK	135	0		21.95		23.5	0.0	
100	QPSK	135	69		22.04		23.5	0.0	
100	QPSK	135	138		22.03		23.5	0.0	
100	QPSK	270	0		22.01				
100	16QAM	1	1		22.07		23.5	0.0	
100	64QAM	1	1		21.90		23.5	0.0	
100	256QAM	1	1		21.11		22.7	0.5	
Channel									
90	QPSK	1	1	649668	650000	650334	Tune-up	MPR	
90	QPSK	1	1	3745.02	3750	3755.01	limit (dB)		23.5
Channel									
80	QPSK	1	1	649334	650000	650668	Tune-up	MPR	
80	QPSK	1	1	3740.01	3750	3760.02	limit (dB)		23.5
Channel									
70	QPSK	1	1	649000	650000	651000	Tune-up	MPR	
70	QPSK	1	1	3735	3750	3765	limit (dB)		23.5
Channel									
60	QPSK	1	1	648668	650000	651334	Tune-up	MPR	
60	QPSK	1	1	3730.02	3750	3770.01	limit (dB)		23.5
Channel									
50	QPSK	1	1	648334	650000	651668	Tune-up	MPR	
50	QPSK	1	1	3725.01	3750	3775.02	limit (dB)		23.5
Channel									
40	QPSK	1	1	648000	650000	652000	Tune-up	MPR	
40	QPSK	1	1	3720	3750	3780	limit (dB)		23.5
Channel									
30	QPSK	1	1	647668	650000	652334	Tune-up	MPR	
30	QPSK	1	1	3715.02	3750	3785.01	limit (dB)		23.5
Channel									
25	QPSK	1	1	647334	650000	652668	Tune-up	MPR	
25	QPSK	1	1	3710.01	3750	3790.02	limit (dB)		23.5
Channel									
20	QPSK	1	1	647168	650000	652834	Tune-up	MPR	
20	QPSK	1	1	3707.52	3750	3792.51	limit (dB)		23.5
Channel									
15	QPSK	1	1	647000	650000	653000	Tune-up	MPR	
15	QPSK	1	1	3705	3750	3795	limit (dB)		23.5
Channel									
10	QPSK	1	1				Tune-up	MPR	
10	QPSK	1	1				limit (dB)		23.5

Part27Q n78 Ant6 DSI6									
BW [MHz]	Modulat ion	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)									
100	1/2 BPSK	1	1		18.68		20.5	0.0	
100	1/2 BPSK	1	137		18.70				
100	1/2 BPSK	1	271		19.00				
100	1/2 BPSK	135	0		18.68		20.5	0.0	
100	1/2 BPSK	135	69		18.71		20.5	0.0	
100	1/2 BPSK	135	138		18.87		20.5	0.0	
100	1/2 BPSK	270	0		18.73				
100	QPSK	1	1		19.04				
100	QPSK	1	137		18.74		20.5	0.0	
100	QPSK	1	271		19.01				
100	QPSK	135	0		18.54		20.5	0.0	
100	QPSK	135	69		18.89		20.5	0.0	
100	QPSK	135	138		18.88		20.5	0.0	
100	QPSK	270	0		18.71				
100	16QAM	1	1		18.55		20.5	0.0	
100	64QAM	1	1		18.51		20.5	0.0	
100	256QAM	1	1		18.53		20.5	0.0	
Channel									
90	QPSK	1	1	633000	633334	633668	Tune-up	MPR	
90	QPSK	1	1	3485	3500.01	3505.02	limit (dB)		20.5
Channel									
80	QPSK	1	1	632668	633334	634000	Tune-up	MPR	
80	QPSK	1	1	3480.02	3500.01	3510	limit (dB)		20.5
Channel									
70	QPSK	1	1	632334	633334	634334	Tune-up	MPR	
70	QPSK	1	1	3485.01	3500.01	3515.01	limit (dB)		20.5
Channel									
60	QPSK	1	1	632000	633334	634668	Tune-up	MPR	
60	QPSK	1	1	3480	3500.01	3520.02	limit (dB)		20.5
Channel									
50	QPSK	1	1	631668	633334	635000	Tune-up	MPR	
50	QPSK	1	1	3475.02	3500.01	3525	limit (dB)		20.5
Channel									
40	QPSK	1	1	631334	633334	635334	Tune-up	MPR	
40	QPSK	1	1	3470.01	3500.01	3530.01	limit (dB)		20.5
Channel									
30	QPSK	1	1	631000	633334	635668	Tune-up	MPR	
30	QPSK	1	1	3465	3500.01	3535.02	limit (dB)		20.5
Channel									
25	QPSK	1	1	630834	633334	635834	Tune-up	MPR	
25	QPSK	1	1	3462.51	3500.01	3537.51	limit (dB)		20.5
Channel									
20	QPSK	1	1	630668	633334	636000	Tune-up	MPR	
20	QPSK	1	1	3460.02	3500.01	3540	limit (dB)		20.5
Channel									
15	QPSK	1	1	630500	633334	636168	Tune-up	MPR	
15	QPSK	1	1	3457.5	3500.01	3542.52	limit (dB)		20.5
Channel									
10	QPSK	1	1	630334	633334	636334	Tune-up	MPR	
10	QPSK	1	1	3455.01	3500.01	3545.01	limit (dB)		20.5

Part27Q n78 Ant6 DSI6 PC2									
BW [MHz]	Modulat ion	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)									
100	1/2 BPSK	1	1		3500.01		23.5	0.0	
100	1/2 BPSK	1	137		21.73				
100	1/2 BPSK	1	271		21.77				
100	1/2 BPSK	135	0		21.92		23.5	0.0	
100	1/2 BPSK	135	69		21.75		23.5	0.0	
100	1/2 BPSK	135	138		21.84		23.5	0.0	
100	1/2 BPSK	270	0		21.87		23.5	0.0	
100	1/2 BPSK	270	0		21.78				
100	QPSK	1	1		22.07				
100	QPSK	1	137		21.79		23.5	0.0	
100	QPSK	1	271		22.01				
100	QPSK	135	0		21.52		23.5	0.0	
100	QPSK	135	69		22.01		23.5	0.0	
100	QPSK	135	138		21.89		23.5	0.0	
100	QPSK	270	0		21.77				
100	16QAM	1	1		21.57		23.5	0.0	
100	64QAM	1	1		21.55		23.5	0.0	
100	256QAM	1	1		20.95		22.7	0.5	
Channel									
90	QPSK	1	1	633000	633334	633668	Tune-up	MPR	
90	QPSK	1	1	3485	3500.01	3505.02	limit (dB)		23.5
Channel									
80	QPSK	1	1	632668	633334	634000	Tune-up	MPR	
80	QPSK	1	1	3480.02	3500.01	3510	limit (dB)		23.5
Channel									
70	QPSK	1	1	632334	633334	634334	Tune-up	MPR	
70	QPSK	1	1	3485.01	3500.01	3515.01	limit (dB)		23.5
Channel									
60	QPSK	1	1	632000	633334	634668	Tune-up	MPR	
60	QPSK	1	1	3480	3500.01	3520.02	limit (dB)		23.5
Channel									
50	QPSK	1	1	631668	633334	635000	Tune-up	MPR	
50	QPSK	1	1	3475.02	3500.01	3525	limit (dB)		23.5
Channel									
40	QPSK	1	1	631334	633334	635334	Tune-up	MPR	
40	QPSK	1	1	3470.01	3500.01	3530.01	limit (dB)		23.5
Channel									
30	QPSK	1	1	631000	633334	635668	Tune-up	MPR	
30	QPSK	1	1	3465	3500.01	3535.02	limit (dB)		23.5
Channel									
25	QPSK	1	1	630834	633334	635834	Tune-up	MPR	
25	QPSK	1	1	3462.51	3500.01	3537.51	limit (dB)		23.5
Channel									
20	QPSK	1	1	630668	633334	636000	Tune-up	MPR	
20	QPSK	1	1	3460.02	3500.01	3540	limit (dB)		23.5
Channel									
15	QPSK	1	1	630500	633334	636168	Tune-up	MPR	
15	QPSK	1	1	3457.5	3500.01	3542.52	limit (dB)		23.5
Channel									
10	QPSK	1	1	630334	633334	636334	Tune-up	MPR	
10	QPSK	1	1	3455.01	3500.01	3545.01	limit (dB)		23.5



Part27Q n78 Ant7 DSI6

BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel 63334								
Frequency (MHz) 3500.01								
100	1/2 BPSK	1	1	18.82				
100	1/2 BPSK	1	137	18.80				
100	1/2 BPSK	1	271	18.82			19.5	0.0
100	1/2 BPSK	135	0	18.80			19.5	0.0
100	1/2 BPSK	135	69	18.77			19.5	0.0
100	1/2 BPSK	135	138	18.79			19.5	0.0
100	1/2 BPSK	270	0	18.79			19.5	0.0
100	QPSK	1	1	18.85				
100	QPSK	1	137	18.78			19.5	0.0
100	QPSK	1	271	18.78			19.5	0.0
100	QPSK	135	0	18.79			19.5	0.0
100	QPSK	135	69	18.83			19.5	0.0
100	QPSK	135	138	18.76			19.5	0.0
100	QPSK	270	0	18.75			19.5	0.0
100	16QAM	1	1	18.80			19.5	0.0
100	16QAM	1	1	18.81			19.5	0.0
100	256QAM	1	1	18.82			19.5	0.0
Channel 63300								
Frequency (MHz) 3495								
90	QPSK	1	1	18.73	18.73	18.84	19.5	0.0
Channel 63268								
Frequency (MHz) 3490.02								
80	QPSK	1	1	18.83	18.73	18.75	19.5	0.0
Channel 63234								
Frequency (MHz) 3485.01								
70	QPSK	1	1	18.73	18.70	18.74	19.5	0.0
Channel 63200								
Frequency (MHz) 3480								
60	QPSK	1	1	18.73	18.74	18.75	19.5	0.0
Channel 63168								
Frequency (MHz) 3475.02								
50	QPSK	1	1	18.73	18.80	18.80	19.5	0.0
Channel 63134								
Frequency (MHz) 3470.01								
40	QPSK	1	1	18.82	18.74	18.80	19.5	0.0
Channel 63100								
Frequency (MHz) 3465								
30	QPSK	1	1	18.77	18.70	18.78	19.5	0.0
Channel 63068								
Frequency (MHz) 3460.03								
25	QPSK	1	1	18.84	18.79	18.77	19.5	0.0
Channel 63034								
Frequency (MHz) 3455.01								
20	QPSK	1	1	18.79	18.79	18.79	19.5	0.0
Channel 63000								
Frequency (MHz) 3450.03								
15	QPSK	1	1	18.81	18.83	18.81	19.5	0.0
Channel 63034								
Frequency (MHz) 3455.01								
10	QPSK	1	1	18.80	18.81	18.75	19.5	0.0

Part27Q n78 Ant7 DSI6 PC2

BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel 63334								
Frequency (MHz) 3500.01								
100	1/2 BPSK	1	1	21.79				
100	1/2 BPSK	1	137	21.77				
100	1/2 BPSK	1	271	21.80			22.5	0.0
100	1/2 BPSK	135	0	21.79			22.5	0.0
100	1/2 BPSK	135	69	21.76			22.5	0.0
100	1/2 BPSK	135	138	21.76			22.5	0.0
100	1/2 BPSK	270	0	21.82			22.5	0.0
100	QPSK	1	1	21.86				
100	QPSK	1	137	21.77			22.5	0.0
100	QPSK	1	271	21.77			22.5	0.0
100	QPSK	135	0	21.77			22.5	0.0
100	QPSK	135	69	21.85			22.5	0.0
100	QPSK	135	138	21.76			22.5	0.0
100	QPSK	270	0	21.84			22.5	0.0
100	16QAM	1	1	21.79			22.5	0.0
100	16QAM	1	1	21.78			22.5	0.0
100	256QAM	1	1	21.83			22.5	0.0
Channel 63300								
Frequency (MHz) 3495								
90	QPSK	1	1	21.07	21.79	21.87	22.5	0.0
Channel 63268								
Frequency (MHz) 3490.02								
80	QPSK	1	1	21.03	21.02	21.05	22.5	0.0
Channel 63234								
Frequency (MHz) 3485.01								
70	QPSK	1	1	21.04	21.00	21.05	22.5	0.0
Channel 63200								
Frequency (MHz) 3480								
60	QPSK	1	1	21.04	21.79	21.82	22.5	0.0
Channel 63168								
Frequency (MHz) 3475.02								
50	QPSK	1	1	21.04	21.05	21.87	22.5	0.0
Channel 63134								
Frequency (MHz) 3470.01								
40	QPSK	1	1	21.05	21.00	21.87	22.5	0.0
Channel 63100								
Frequency (MHz) 3465								
30	QPSK	1	1	21.00	21.04	21.87	22.5	0.0
Channel 63068								
Frequency (MHz) 3460.03								
25	QPSK	1	1	21.84	21.86	21.84	22.5	0.0
Channel 63034								
Frequency (MHz) 3455.01								
20	QPSK	1	1	21.82	21.81	21.81	22.5	0.0
Channel 63000								
Frequency (MHz) 3450.03								
15	QPSK	1	1	21.83	21.82	21.86	22.5	0.0
Channel 63034								
Frequency (MHz) 3455.01								
10	QPSK	1	1	21.83	21.86	21.80	22.5	0.0



Part27Q n77 Ant8 Other PA DSI6 PC2

BW [MHz]	Modulat ion	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)				3500.01				
100	1/2 BPSK	1	1	20.78			22.5	0.0
100	1/2 BPSK	1	137	20.78				
100	1/2 BPSK	1	271	20.78				
100	1/2 BPSK	135	0	20.80			22.5	0.0
100	1/2 BPSK	135	69	20.78				
100	1/2 BPSK	135	138	20.78			22.5	0.0
100	1/2 BPSK	270	0	20.77				
100	QPSK	1	1	20.83				
100	QPSK	1	137	20.76			22.5	0.0
100	QPSK	1	271	20.81				
100	QPSK	135	0	20.78			22.5	0.0
100	QPSK	135	69	20.78				
100	QPSK	135	138	20.78			22.5	0.0
100	QPSK	270	0	20.78				
100	16QAM	1	1	20.78			22.5	0.0
100	16QAM	1	1	20.80			22.5	0.0
100	256QAM	1	1	20.80			21.5	1.0
Channel								
Frequency (MHz)				633000				
90	QPSK	1	1	3503.02	3503.02	3503.02	lim	(dB)
Channel				633334				
Frequency (MHz)				634000				
80	QPSK	1	1	20.78	20.78	20.78	22.5	0.0
Channel								
Frequency (MHz)				633334				
70	QPSK	1	1	20.78	20.78	20.78	22.5	0.0
Channel								
Frequency (MHz)				633334				
60	QPSK	1	1	20.78	20.78	20.78	22.5	0.0
Channel								
Frequency (MHz)				633334				
50	QPSK	1	1	20.78	20.78	20.78	22.5	0.0
Channel								
Frequency (MHz)				633334				
40	QPSK	1	1	20.81	20.80	20.78	22.5	0.0
Channel								
Frequency (MHz)				633334				
30	QPSK	1	1	20.78	20.78	20.81	22.5	0.0
Channel								
Frequency (MHz)				633334				
25	QPSK	1	1	20.78	20.78	20.77	22.5	0.0
Channel								
Frequency (MHz)				633334				
20	QPSK	1	1	20.78	20.77	20.81	22.5	0.0
Channel								
Frequency (MHz)				633334				
15	QPSK	1	1	20.77	20.80	20.80	22.5	0.0
Channel								
Frequency (MHz)				633334				
10	QPSK	1	1	20.77	20.73	20.80	22.5	0.0

Part27O n78 Ant8 Other PA DSI6

BW [MHz]	Modulat ion	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				
100	1/2 BPSK	1	1	17.85			19.5	0.0
100	1/2 BPSK	1	137	17.84				
100	1/2 BPSK	1	271	17.85				
100	1/2 BPSK	135	0	17.85			19.5	0.0
100	1/2 BPSK	135	69	17.89			19.5	0.0
100	1/2 BPSK	135	138	17.89			19.5	0.0
100	1/2 BPSK	270	0	17.88				
100	QPSK	1	1	17.85				
100	QPSK	1	137	17.86			19.5	0.0
100	QPSK	1	271	17.85				
100	QPSK	135	0	17.89			19.5	0.0
100	QPSK	135	69	17.91			19.5	0.0
100	QPSK	135	138	17.87			19.5	0.0
100	QPSK	270	0	17.85				
100	16QAM	1	1	17.90			19.5	0.0
100	16QAM	1	1	17.91			19.5	0.0
100	256QAM	1	1	17.89			19.5	0.0
Channel								
Frequency (MHz)				649688				
90	QPSK	1	1	3745.02	3750	3753.01	lim	(dB)
Channel				649334				
Frequency (MHz)				650000				
80	QPSK	1	1	17.89	17.92	17.91	19.5	0.0
Channel								
Frequency (MHz)				649000				
70	QPSK	1	1	17.86	17.90	17.94	19.5	0.0
Channel								
Frequency (MHz)				649688				
60	QPSK	1	1	17.89	17.93	17.92	19.5	0.0
Channel								
Frequency (MHz)				648334				
50	QPSK	1	1	17.89	17.93	17.89	19.5	0.0
Channel								
Frequency (MHz)				648000				
40	QPSK	1	1	17.89	17.89	17.87	19.5	0.0
Channel								
Frequency (MHz)				647688				
30	QPSK	1	1	17.84	17.91	17.84	19.5	0.0
Channel								
Frequency (MHz)				647500				
25	QPSK	1	1	17.90	17.91	17.91	19.5	0.0
Channel								
Frequency (MHz)				647334				
20	QPSK	1	1	17.85	17.91	17.94	19.5	0.0
Channel								
Frequency (MHz)				647168				
15	QPSK	1	1	17.92	17.94	17.92	19.5	0.0
Channel								
Frequency (MHz)				647000				
10	QPSK	1	1	17.88	17.89	17.89	19.5	0.0

Part27O n78 Ant8 Other PA DSI6 PC2

BW [MHz]	Modulat ion	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				
100	1/2 BPSK	1	1	20.86			22.5	0.0
100	1/2 BPSK	1	137	20.85				
100	1/2 BPSK	1	271	20.83				
100	1/2 BPSK	135	0	20.83			22.5	0.0
100	1/2 BPSK	135	69	20.88			22.5	0.0
100	1/2 BPSK	135	138	20.92			22.5	0.0
100	1/2 BPSK	270	0	20.85				
100	QPSK	1	1	20.93				
100	QPSK	1	137	20.89			22.5	0.0
100	QPSK	1	271	20.85				
100	QPSK	135	0	20.97			22.5	0.0
100	QPSK	135	69	20.88			22.5	0.0
100	QPSK	135	138	20.87			22.5	0.0
100	QPSK	270	0	20.91				
100	16QAM	1	1	20.83			22.6	0.0
100	16QAM	1	1	20.86			22.5	0.0
100	256QAM	1	1	20.84			21.5	1.0
Channel								
Frequency (MHz)				649688				
90	QPSK	1	1	3745.02	3750	3753.01	lim	(dB)
Channel				649334				
Frequency (MHz)				650000				
80	QPSK	1	1	20.98	20.93	20.98	22.5	0.0
Channel								
Frequency (MHz)				649000				
70	QPSK	1	1	20.98	20.90	20.94	22.5	0.0
Channel								
Frequency (MHz)				648688				
60	QPSK	1	1	20.92	20.91	20.97	22.5	0.0
Channel								
Frequency (MHz)				648334				
50	QPSK	1	1	20.95	20.95	20.91	22.5	0.0
Channel								
Frequency (MHz)				648000				
40	QPSK	1	1	20.95	20.91	20.91	22.5	0.0
Channel								
Frequency (MHz)				647688				
30	QPSK	1	1	20.98	20.91	20.89	22.5	0.0
Channel								
Frequency (MHz)				647500				
25	QPSK	1	1	20.93	20.97	20.86	22.5	0.0
Channel								
Frequency (MHz)				647334				
20	QPSK	1	1	20.87	20.88	20.86	22.5	0.0
Channel								
Frequency (MHz)				647168				
15	QPSK	1	1	20.89	20.83	20.90	22.5	0.0
Channel								
Frequency (MHz)				647000				
10	QPSK	1	1	20.86	20.84	20.90	22.5	0.0



Part27Q n78 Ant8 Other PA DSI6

BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel 633334								
Frequency (MHz) 3500.01								
100	1/2 BPSK	1	1	17.81				
100	1/2 BPSK	1	137	17.82				
100	1/2 BPSK	1	271	17.83			19.5	0.0
100	1/2 BPSK	135	0	17.84			19.5	0.0
100	1/2 BPSK	135	69	17.82			19.5	0.0
100	1/2 BPSK	135	138	17.81			19.5	0.0
100	1/2 BPSK	270	0	17.80			19.5	0.0
100	QPSK	1	1	17.80				
100	QPSK	1	137	17.80			19.5	0.0
100	QPSK	1	271	17.80			19.5	0.0
100	QPSK	135	0	17.82			19.5	0.0
100	QPSK	135	69	17.86			19.5	0.0
100	QPSK	135	138	17.78			19.5	0.0
100	QPSK	270	0	17.84			19.5	0.0
100	16QAM	1	1	17.84			19.5	0.0
100	16QAM	1	1	17.82			19.5	0.0
100	256QAM	1	1	17.79			19.5	0.0
Channel 633000								
Frequency (MHz) 3482								
90	QPSK	1	1	17.87	3500.01	3500.02	lim	(dB)
Channel 632668								
Frequency (MHz) 3490.02								
80	QPSK	1	1	17.84	3500.01	3510	lim	(dB)
Channel 632334								
Frequency (MHz) 3488.01								
70	QPSK	1	1	17.83	3500.01	3519.01	lim	(dB)
Channel 632000								
Frequency (MHz) 3486								
60	QPSK	1	1	17.80	3500.01	3520.02	lim	(dB)
Channel 631668								
Frequency (MHz) 3475.02								
50	QPSK	1	1	17.84	3500.01	3525	19.5	0.0
Channel 631334								
Frequency (MHz) 3470.01								
40	QPSK	1	1	17.84	3500.01	3530.01	lim	(dB)
Channel 631000								
Frequency (MHz) 3468								
30	QPSK	1	1	17.87	3500.01	3535.02	lim	(dB)
Channel 630668								
Frequency (MHz) 3462.01								
25	QPSK	1	1	17.80	3500.01	3537.51	19.5	0.0
Channel 630334								
Frequency (MHz) 3458.00								
20	QPSK	1	1	17.75	3500.01	3540	19.5	0.0
Channel 630000								
Frequency (MHz) 3457.5								
15	QPSK	1	1	17.84	3500.01	3542.52	19.5	0.0
Channel 630334								
Frequency (MHz) 3455.01								
10	QPSK	1	1	17.84	3500.01	3545.01	19.5	0.0

Part27Q n78 Ant8 Other PA DSI6 PC2

BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel 633334								
Frequency (MHz) 3500.01								
100	1/2 BPSK	1	1	20.83				
100	1/2 BPSK	1	137	20.83				
100	1/2 BPSK	1	271	20.85			22.5	0.0
100	1/2 BPSK	135	0	20.85			22.5	0.0
100	1/2 BPSK	135	69	20.84			22.5	0.0
100	1/2 BPSK	135	138	20.82			22.5	0.0
100	1/2 BPSK	270	0	20.79			22.5	0.0
100	QPSK	1	1	20.86				
100	QPSK	1	137	20.83			22.5	0.0
100	QPSK	1	271	20.78			22.5	0.0
100	QPSK	135	0	20.80			22.5	0.0
100	QPSK	135	69	20.85			22.5	0.0
100	QPSK	135	138	20.76			22.5	0.0
100	QPSK	270	0	20.85			22.5	0.0
100	16QAM	1	1	20.82			22.5	0.0
100	16QAM	1	1	20.80			22.5	0.0
100	256QAM	1	1	20.75			22.5	0.0
Channel 633000								
Frequency (MHz) 3485								
90	QPSK	1	1	20.76	3500.01	3500.02	lim	(dB)
Channel 632668								
Frequency (MHz) 3493.02								
80	QPSK	1	1	20.75	3500.01	3510	lim	(dB)
Channel 632334								
Frequency (MHz) 3491.01								
70	QPSK	1	1	20.75	3500.01	3519.01	lim	(dB)
Channel 632000								
Frequency (MHz) 3489								
60	QPSK	1	1	20.79	3500.01	3520.02	lim	(dB)
Channel 631668								
Frequency (MHz) 3478.02								
50	QPSK	1	1	20.75	3500.01	3525	19.5	0.0
Channel 631334								
Frequency (MHz) 3473.01								
40	QPSK	1	1	20.77	3500.01	3530.01	lim	(dB)
Channel 631000								
Frequency (MHz) 3471								
30	QPSK	1	1	20.80	3500.01	3535.02	lim	(dB)
Channel 630668								
Frequency (MHz) 3465.01								
25	QPSK	1	1	20.78	3500.01	3537.51	19.5	0.0
Channel 630334								
Frequency (MHz) 3460.02								
20	QPSK	1	1	20.84	3500.01	3540	19.5	0.0
Channel 630000								
Frequency (MHz) 3459.5								
15	QPSK	1	1	20.84	3500.01	3542.52	19.5	0.0
Channel 630334								
Frequency (MHz) 3457.01								
10	QPSK	1	1	20.75	3500.01	3545.01	19.5	0.0



Reduced Power Mode for SA DSI 7

n5 Ant0 DSI7								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	1/2 BPSK	1	1	25.07	25.15	25.14		
20	1/2 BPSK	1	53	25.19	25.22	25.16	25.7	0.0
20	1/2 BPSK	1	104	25.20	25.31	25.27		
20	1/2 BPSK	50	0	24.59	24.69	24.61	25.2	0.5
20	1/2 BPSK	50	26	25.20	25.27	25.19	25.7	0.0
20	1/2 BPSK	50	56	24.61	24.66	24.61	25.2	0.5
20	1/2 BPSK	100	0	24.72	24.81	24.76		
20	QPSK	1	1	25.40	25.42	25.38		
20	QPSK	1	53	25.28	25.36	25.37	25.7	0.0
20	QPSK	1	104	25.36	25.39	25.32		
20	QPSK	50	0	24.20	24.22	24.19	24.7	1.0
20	QPSK	50	26	25.17	25.27	25.26	25.7	0.0
20	QPSK	50	56	24.12	24.18	24.11	24.7	1.0
20	QPSK	100	0	24.31	24.33	24.23		
20	16QAM	1	1	24.08	24.16	24.10	24.7	1.0
20	16QAM	1	1	22.65	22.67	22.64	23.2	2.5
20	16QAM	1	1	20.30	20.40	20.33	21.2	4.5
Channel				168300	167300	168300	Tune-up	MPR
Frequency (MHz)				831.5	836.5	841.5	limit	(dB)
15	QPSK	1	1	25.39	25.23	25.22	25.7	0.0
Channel				168800	167300	168800	Tune-up	MPR
Frequency (MHz)				829	836.5	844	limit	(dB)
10	QPSK	1	1	25.40	25.23	25.30	25.7	0.0
Channel				168300	167300	168300	Tune-up	MPR
Frequency (MHz)				828.5	836.5	843.5	limit	(dB)
5	QPSK	1	1	25.33	25.33	25.23	25.7	0.0

n7 Ant0 Other PA DSI7								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	1/2 BPSK	1	1	22.66	22.84	22.71		
40	1/2 BPSK	1	108	22.64	22.82	22.73	23.2	0.0
40	1/2 BPSK	1	214	22.65	22.77	22.69		
40	1/2 BPSK	108	0	22.80	22.71	22.72	23.2	0.0
40	1/2 BPSK	108	54	22.77	22.82	22.68	23.2	0.0
40	1/2 BPSK	108	108	22.63	22.82	22.78		
40	1/2 BPSK	216	0	22.67	22.72	22.63	23.2	0.0
40	QPSK	1	1	22.70	22.65	22.72		
40	QPSK	1	108	22.63	22.68	22.73	23.2	0.0
40	QPSK	1	214	22.75	22.77	22.75		
40	QPSK	108	0	22.75	22.74	22.67	23.2	0.0
40	QPSK	108	54	22.67	22.80	22.75	23.2	0.0
40	QPSK	108	108	22.75	22.69	22.76	23.2	0.0
40	QPSK	216	0	22.75	22.70	22.70		
40	16QAM	1	1	22.67	22.73	22.68	23.2	0.0
40	16QAM	1	1	22.76	22.69	22.75	23.2	0.0
40	16QAM	1	1	20.64	20.68	20.71	21.2	2.0
Channel				503500	507000	510500	Tune-up	MPR
Frequency (MHz)				2517.5	2535	2552.5	limit	(dB)
35	QPSK	1	1	22.52	22.81	22.70	23.2	0.0
Channel				503000	507000	511000	Tune-up	MPR
Frequency (MHz)				2516	2535	2555	limit	(dB)
30	QPSK	1	1	22.55	22.77	22.62	23.2	0.0
Channel				502500	507000	511500	Tune-up	MPR
Frequency (MHz)				2512.5	2535	2557.5	limit	(dB)
25	QPSK	1	1	22.63	22.75	22.68	23.2	0.0
Channel				502000	507000	512000	Tune-up	MPR
Frequency (MHz)				2510	2535	2550	limit	(dB)
20	QPSK	1	1	22.60	22.83	22.61	23.2	0.0
Channel				501500	507000	512500	Tune-up	MPR
Frequency (MHz)				2507.5	2535	2562.5	limit	(dB)
15	QPSK	1	1	22.63	22.78	22.67	23.2	0.0
Channel				501000	507000	513000	Tune-up	MPR
Frequency (MHz)				2505	2535	2565	limit	(dB)
10	QPSK	1	1	22.64	22.81	22.68	23.2	0.0
Channel				500500	507000	513500	Tune-up	MPR
Frequency (MHz)				2502.5	2535	2567.5	limit	(dB)
5	QPSK	1	1	22.59	22.74	22.69	23.2	0.0

n12 Ant0 DSI7								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141300	141500	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	1/2 BPSK	1	1	25.10	25.15	25.08		
15	1/2 BPSK	1	40	24.99	25.07	24.99	25.7	0.0
15	1/2 BPSK	1	77	25.04	25.12	25.02		
15	1/2 BPSK	36	0	24.45	24.51	24.46	25.2	0.5
15	1/2 BPSK	36	22	25.06	25.11	25.06	25.7	0.0
15	1/2 BPSK	36	43	24.39	24.45	24.43	25.2	0.5
15	1/2 BPSK	75	0	24.46	24.54	24.53		
15	QPSK	1	1	25.14	25.17	25.16		
15	QPSK	1	40	24.95	25.02	24.92	25.7	0.0
15	QPSK	1	77	25.09	25.15	25.09		
15	QPSK	36	0	23.95	24.01	23.90	24.7	1.0
15	QPSK	36	22	25.01	25.10	25.05	25.7	0.0
15	QPSK	36	43	24.01	24.02	24.00	24.7	1.0
15	QPSK	75	0	23.97	23.96	23.91		
15	16QAM	1	1	23.99	24.07	24.06	24.7	1.0
15	16QAM	1	1	22.42	22.49	22.41	23.2	2.5
15	16QAM	1	1	20.50	20.52	20.48	21.2	4.5
Channel				140800	141500	142200	Tune-up	MPR
Frequency (MHz)				704	707.5	711	limit	(dB)
10	QPSK	1	1	25.12	25.15	25.07	25.7	0.0
Channel				140300	141500	142700	Tune-up	MPR
Frequency (MHz)				701.5	707.5	713.5	limit	(dB)
5	QPSK	1	1	25.03	25.14	25.14	25.7	0.0



n26 Ant0 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				164800	166300	167800			
Frequency (MHz)				824	831.5	839			
20	1/2 BPSK	1	1	25.16	25.26	25.19	25.7	0.0	
20	1/2 BPSK	1	53	25.26	25.23	25.23			
20	1/2 BPSK	1	104	25.26	25.42	25.34			
20	1/2 BPSK	50	0	24.64	24.74	24.64	25.2	0.5	
20	1/2 BPSK	50	28	25.25	25.36	25.27	25.7	0.0	
20	1/2 BPSK	50	56	24.72	24.68	24.64	25.2	0.5	
20	QPSK	1	1	25.36	25.44	25.43			
20	QPSK	1	53	25.26	25.39	25.42	25.7	0.0	
20	QPSK	1	104	25.36	25.37	25.37			
20	QPSK	50	0	24.30	24.30	24.25	24.7	1.0	
20	QPSK	50	28	25.18	25.37	25.32	25.7	0.0	
20	QPSK	50	56	24.17	24.28	24.18	24.7	1.0	
20	QPSK	100	0	24.35	24.35	24.34			
20	16QAM	1	1	24.14	24.22	24.18	24.7	1.0	
20	16QAM	1	1	22.72	22.73	22.66	23.2	2.5	
20	16QAM	1	1	20.41	20.42	20.35	21.2	4.5	
Channel				164300	166300	168300			
Frequency (MHz)				831.5	831.5	841.5			
15	QPSK	1	1	25.31	25.43	25.37	25.7	0.0	
Channel				163800	166300	168800			
Frequency (MHz)				819	831.5	844			
10	QPSK	1	1	25.34	25.33	25.33	25.7	0.0	
Channel				163300	166300	169300			
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	1	25.30	25.35	25.32	25.7	0.0	

n66 Ant0 DSI7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	1/2 BPSK	1	1	18.66	18.59	18.60	20.2	0.0	
40	1/2 BPSK	1	108	18.65	18.60	18.58			
40	1/2 BPSK	1	214	18.65	18.64	18.66			
40	1/2 BPSK	108	0	18.65	18.71	18.66	20.2	0.0	
40	1/2 BPSK	108	54	18.65	18.63	18.73	20.2	0.0	
40	1/2 BPSK	108	108	18.64	18.63	18.56	20.2	0.0	
40	1/2 BPSK	216	0	18.70	18.66	18.56			
40	QPSK	1	1	18.70	18.75	18.70			
40	QPSK	1	108	18.62	18.65	18.57	20.2	0.0	
40	QPSK	1	214	18.60	18.68	18.63			
40	QPSK	108	0	18.62	18.60	18.61	20.2	0.0	
40	QPSK	108	54	18.65	18.73	18.72	20.2	0.0	
40	QPSK	108	108	18.65	18.67	18.53	20.2	0.0	
40	QPSK	216	0	18.62	18.72	18.55			
40	16QAM	1	1	18.57	18.65	18.66	20.2	0.0	
40	16QAM	1	1	18.70	18.65	18.67	20.2	0.0	
40	16QAM	1	1	17.90	18.01	17.92	19.7	0.5	
Channel				345500	349000	352500			
Frequency (MHz)				1727.5	1745	1762.5			
35	QPSK	1	1	22.57	22.57	22.59	20.2	0.0	
Channel				345000	349000	353000			
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	22.51	22.59	22.59	20.2	0.0	
Channel				344500	349000	353500			
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	22.51	22.58	22.59	20.2	0.0	
Channel				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	22.53	22.60	22.53	20.2	0.0	
Channel				343500	349000	354500			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	22.48	22.61	22.57	20.2	0.0	
Channel				343000	349000	355000			
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	22.52	22.66	22.59	20.2	0.0	
Channel				342500	349000	355500			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	22.57	22.62	22.53	20.2	0.0	



n38 Ant0 Other PA DSI7								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq. 519004	Power Middle Ch. / Freq. 519000	Power High Ch. / Freq. 519996	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			2590.02	2595	2599.98		
40	1/2 BPS	1	1	24.11	24.33	24.18	24.7	0.0
40	1/2 BPS	1	53	24.28	24.23	24.19		
40	1/2 BPS	1	104	24.28	24.27	24.29		
40	1/2 BPS	50	0	24.22	24.24	24.08	24.7	0.0
40	1/2 BPS	50	28	24.15	24.31	24.14		
40	1/2 BPS	50	56	24.27	24.20	24.16	24.7	0.0
40	1/2 BPS	100	0	24.20	24.25	24.16		
40	QPSK	1	1	24.32	24.24	24.23		
40	QPSK	1	53	24.23	24.31	24.19	24.7	0.0
40	QPSK	1	104	24.15	24.11	24.27		
40	QPSK	50	0	24.25	24.22	24.24	24.7	0.0
40	QPSK	50	28	24.08	24.25	24.10		
40	QPSK	50	56	24.17	24.17	24.25	24.7	0.0
40	QPSK	100	0	24.09	24.29	24.17		
40	16QAM	1	1	24.23	24.13	24.11	24.7	0.0
40	16QAM	1	1	23.95	23.07	22.97	23.2	1.5
40	256QAM	1	1	20.94	21.03	21.00	21.2	3.5
	Channel			517002	519000	520998	Tune-up	MPR
	Frequency (MHz)			2585.01	2595	2604.99	limit	(dB)
30	1/2 BPS	1	1	24.04	24.31	24.09	24.7	0.0
	Channel			516504	519000	521498	Tune-up	MPR
	Frequency (MHz)			2592.52	2595	2607.48	limit	(dB)
25	1/2 BPS	1	1	24.03	24.27	24.10	24.7	0.0
	Channel			516000	519000	522000	Tune-up	MPR
	Frequency (MHz)			2590	2595	2610	limit	(dB)
20	1/2 BPS	1	1	24.04	24.29	24.15	24.7	0.0
	Channel			515502	519000	522498	Tune-up	MPR
	Frequency (MHz)			2577.51	2595	2612.49	limit	(dB)
15	1/2 BPS	1	1	24.07	24.29	24.15	24.7	0.0
	Channel			515004	519000	522996	Tune-up	MPR
	Frequency (MHz)			2575.02	2595	2614.98	limit	(dB)
10	1/2 BPS	1	1	24.02	24.28	24.12	24.7	0.0

n41 Ant0 Other PA DSI7								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq. 509202	Power Middle Ch. / Freq. 518998	Power High Ch. / Freq. 529000	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			2546.01	2592.99	2640		
100	1/2 BPS	1	1	23.71	23.69	23.78		
100	1/2 BPS	1	197	23.74	23.86	23.75	24.2	0.0
100	1/2 BPS	1	271	23.76	23.77	23.69		
100	1/2 BPS	135	0	23.69	23.77	23.78	24.2	0.0
100	1/2 BPS	135	69	23.84	23.97	23.75		
100	1/2 BPS	135	138	23.71	23.81	23.79	24.2	0.0
100	1/2 BPS	270	0	23.77	23.88	23.83		
100	QPSK	1	1	23.84	23.84	23.79		
100	QPSK	1	137	23.85	23.80	23.76	24.2	0.0
100	QPSK	1	271	23.79	23.84	23.70		
100	QPSK	135	0	23.71	23.76	23.75	24.2	0.0
100	QPSK	135	69	23.86	23.81	23.69		
100	QPSK	135	138	23.69	23.82	23.69	24.2	0.0
100	QPSK	270	0	23.70	23.87	23.83		
100	16QAM	1	1	23.72	23.73	23.79	24.2	0.0
100	16QAM	1	1	22.79	22.78	22.86	23.2	1.0
100	256QAM	1	1	20.74	20.79	20.74	21.2	3.0
	Channel			508200	518998	528996	Tune-up	MPR
	Frequency (MHz)			2641	2692.99	2744.98	limit	(dB)
50	1/2 BPS	1	1	23.69	23.50	23.58	24.2	0.0
	Channel			507204	518998	529998	Tune-up	MPR
	Frequency (MHz)			2638.02	2692.99	2746.99	limit	(dB)
80	1/2 BPS	1	1	23.62	23.52	23.75	24.2	0.0
	Channel			506202	518998	531000	Tune-up	MPR
	Frequency (MHz)			2631.01	2692.99	2755	limit	(dB)
70	1/2 BPS	1	1	23.50	23.54	23.69	24.2	0.0
	Channel			505200	518998	531996	Tune-up	MPR
	Frequency (MHz)			2626	2644	2699.99	limit	(dB)
60	1/2 BPS	1	1	23.65	23.51	23.75	24.2	0.0
	Channel			504204	518998	532998	Tune-up	MPR
	Frequency (MHz)			2624.02	2692.99	2769.99	limit	(dB)
50	1/2 BPS	1	1	23.65	23.63	23.79	24.2	0.0
	Channel			503202	518998	534000	Tune-up	MPR
	Frequency (MHz)			2618.04	2692.99	2780	limit	(dB)
40	1/2 BPS	1	1	23.68	23.65	23.72	24.2	0.0
	Channel			502200	518998	534998	Tune-up	MPR
	Frequency (MHz)			2611	2692.99	2794.98	limit	(dB)
30	1/2 BPS	1	1	23.69	23.60	23.67	24.2	0.0
	Channel			502200	518998	534998	Tune-up	MPR
	Frequency (MHz)			2604	2692.99	2804.98	limit	(dB)
25	1/2 BPS	1	1	23.65	23.67	23.74	24.2	0.0
	Channel			501204	518998	535998	Tune-up	MPR
	Frequency (MHz)			2608.02	2692.99	2819.99	limit	(dB)
20	1/2 BPS	1	1	23.68	23.65	23.70	24.2	0.0
	Channel			500700	518998	536498	Tune-up	MPR
	Frequency (MHz)			2602.5	2692.99	2829.48	limit	(dB)
15	1/2 BPS	1	1	23.67	23.60	23.74	24.2	0.0
	Channel			500202	518998	537000	Tune-up	MPR
	Frequency (MHz)			2591.01	2692.99	2835	limit	(dB)
10	1/2 BPS	1	1	23.63	23.88	23.71	24.2	0.0



n5 Ant1 DSI7								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq. 168800	Power Middle Ch. / Freq. 167500	Power High Ch. / Freq. 167600	Tune-up limit (dBm)	MPR (dB)
Channel				834	836.5	839		
Frequency (MHz)								
20	1/2 BPSK	1	1	23.14	23.03	23.07		
20	1/2 BPSK	1	53	23.00	23.08	22.97		23.7 0.0
20	1/2 BPSK	1	104	23.02	23.17	22.95		
20	1/2 BPSK	50	0	23.04	23.08	23.01		23.7 0.0
20	1/2 BPSK	50	88	23.05	23.09	23.07		23.7 0.0
20	1/2 BPSK	50	56	23.06	23.11	22.93		23.7 0.0
20	1/2 BPSK	100	0	23.13	23.09	22.99		23.7 0.0
20	QPSK	1	1	23.10	23.22	22.95		
20	QPSK	1	53	23.06	23.17	23.09		23.7 0.0
20	QPSK	1	104	23.00	23.12	22.94		
20	QPSK	50	0	22.97	23.04	22.95		23.7 0.0
20	QPSK	50	26	23.03	23.21	22.93		23.7 0.0
20	QPSK	50	56	23.13	23.15	23.00		23.7 0.0
20	QPSK	100	0	23.13	23.19	23.07		23.7 0.0
20	16QAM	1	1	23.08	23.19	22.95		23.7 0.0
20	16QAM	1	1	22.96	22.53	22.46		23.2 0.5
20	256QAM	1	1	20.96	20.62	20.56		21.2 2.5
Channel				168300	167300	168300	Tune-up	MPR
Frequency (MHz)								
15	QPSK	1	1	831.3	836.5	841.5	limit	(dB)
Channel				168800	167500	168800	Tune-up	MPR
Frequency (MHz)								
10	QPSK	1	1	830	836.5	844	limit	(dB)
Channel				168300	167300	168300	Tune-up	MPR
Frequency (MHz)								
5	QPSK	1	1	826.5	836.5	846.5	limit	(dB)

n7 Ant1 Other PA DSI7								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq. 594000	Power Middle Ch. / Freq. 507000	Power High Ch. / Freq. 510000	Tune-up limit (dBm)	MPR (dB)
Channel				2520	2535	2550		
Frequency (MHz)								
40	1/2 BPSK	1	1	23.14	23.24	23.03		
40	1/2 BPSK	1	108	23.08	23.07	23.06		23.7 0.0
40	1/2 BPSK	1	214	23.14	23.23	23.13		
40	1/2 BPSK	108	0	23.12	23.22	23.06		23.7 0.0
40	1/2 BPSK	108	54	23.10	23.19	23.17		23.7 0.0
40	1/2 BPSK	108	108	23.08	23.10	23.01		23.7 0.0
40	1/2 BPSK	216	0	23.12	23.16	23.02		23.7 0.0
40	QPSK	1	1	23.18	23.25	23.09		
40	QPSK	1	108	23.13	23.14	23.04		23.7 0.0
40	QPSK	1	214	23.09	23.19	23.06		23.7 0.0
40	QPSK	108	0	23.18	23.09	23.09		23.7 0.0
40	QPSK	108	54	23.15	23.22	23.01		23.7 0.0
40	QPSK	108	108	23.18	23.14	23.07		23.7 0.0
40	QPSK	216	0	23.21	23.23	23.13		23.7 0.0
40	16QAM	1	1	23.12	23.10	23.14		23.7 0.0
40	16QAM	1	1	22.98	22.58	22.54		23.2 0.5
40	256QAM	1	1	20.69	20.58	20.55		21.2 2.5
Channel				593500	507000	510500	Tune-up	MPR
Frequency (MHz)								
35	QPSK	1	1	2317.5	2335	2322.5	limit	(dB)
Channel				593000	507000	511000	Tune-up	MPR
Frequency (MHz)								
30	QPSK	1	1	2316	2335	2325	limit	(dB)
Channel				592500	507000	511500	Tune-up	MPR
Frequency (MHz)								
25	QPSK	1	1	2312.5	2335	2327.5	limit	(dB)
Channel				592000	507000	512000	Tune-up	MPR
Frequency (MHz)								
20	QPSK	1	1	2310	2335	2320	limit	(dB)
Channel				591500	507000	512500	Tune-up	MPR
Frequency (MHz)								
15	QPSK	1	1	2307.5	2335	2322.5	limit	(dB)
Channel				591000	507000	513000	Tune-up	MPR
Frequency (MHz)								
10	QPSK	1	1	2314	2322	23.01	23.7	0.0
Channel				590500	507000	513500	Tune-up	MPR
Frequency (MHz)								
5	QPSK	1	1	2310	23.19	22.98	23.7	0.0

n12 Ant1 DSI7								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq. 141300	Power Middle Ch. / Freq. 141500	Power High Ch. / Freq. 141700	Tune-up limit (dBm)	MPR (dB)
Channel				708.5	707.5	708.5		
Frequency (MHz)								
15	1/2 BPSK	1	1	24.92	24.98	24.95		
15	1/2 BPSK	1	40	24.85	24.91	24.81		25.7 0.0
15	1/2 BPSK	1	77	24.85	24.90	24.83		
15	1/2 BPSK	36	0	24.27	24.37	24.36		25.2 0.5
15	1/2 BPSK	36	22	24.81	24.87	24.76		25.7 0.0
15	1/2 BPSK	36	43	24.27	24.30	24.28		25.2 0.5
15	1/2 BPSK	75	0	24.31	24.37	24.29		25.7 0.0
15	QPSK	1	1	24.91	25.01	25.00		
15	QPSK	1	40	24.92	24.95	24.92		25.7 0.0
15	QPSK	1	77	24.83	24.85	24.85		
15	QPSK	36	0	23.91	23.94	23.94		24.7 1.0
15	QPSK	36	22	24.88	24.92	24.84		25.7 0.0
15	QPSK	36	43	23.72	23.80	23.70		24.7 1.0
15	QPSK	75	0	23.94	23.91	23.91		25.7 0.0
15	16QAM	1	1	23.89	23.95	23.86		24.7 1.0
15	16QAM	1	1	22.25	22.32	22.29		23.2 2.5
15	256QAM	1	1	20.36	20.37	20.35		21.2 4.5
Channel				140800	141500	142200	Tune-up	MPR
Frequency (MHz)								
10	QPSK	1	1	704	706.5	711.5	limit	(dB)
Channel				140300	141500	142700	Tune-up	MPR
Frequency (MHz)								
5	QPSK	1	1	701.5	706.5	713.5	limit	(dB)



n26 Ant1 DSI7								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. F.Freq. 164800	Power Middle Ch. F.Freq. 166300	Power High Ch. F.Freq. 167800	Tune-up [dB]	MPR [dB]
				824	831.5	839		
20	1/2 BPSK	1	1	23.18	23.12	23.12		
20	1/2 BPSK	1	53	23.07	23.16	23.01	23.7	0.0
20	1/2 BPSK	1	104	23.12	23.16	23.04		
20	1/2 BPSK	50	0	23.10	23.11	23.04	23.7	0.0
20	1/2 BPSK	50	26	23.15	23.12	23.14	23.7	0.0
20	1/2 BPSK	50	56	23.08	23.13	22.98	23.7	0.0
20	1/2 BPSK	100	0	23.20	23.16	23.05		
20	QPSK	1	1	23.12	23.00	23.00		
20	QPSK	1	53	23.10	23.26	23.11	23.7	0.0
20	QPSK	1	104	23.01	23.19	23.02		
20	QPSK	50	0	23.01	23.05	22.97	23.7	0.0
20	QPSK	50	26	23.08	23.26	23.04	23.7	0.0
20	QPSK	50	56	23.18	23.21	23.10	23.7	0.0
20	QPSK	100	0	23.15	23.25	23.15		
20	16QAM	1	1	23.14	23.26	23.03	23.7	0.0
20	16QAM	1	1	22.80	22.89	22.86	23.2	0.5
20	256QAM	1	1	20.38	20.54	20.44	21.2	0.5
				164300	166300	168300	Tune-up [dB]	MPR
	Frequency (MHz)			824	831.5	839	limit	(dB)
15	QPSK	1	1	23.04	23.27	23.00	23.7	0.0
				163800	166300	168800	Tune-up	MPR
	Frequency (MHz)			810	831.5	844	limit	(dB)
10	QPSK	1	1	23.05	23.21	22.95	23.7	0.0
				163300	166300	168300	Tune-up	MPR
	Frequency (MHz)			816.5	831.5	848.5	limit	(dB)
5	QPSK	1	1	23.05	23.27	22.92	23.7	0.0

n66 Ant1 DSI7								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. F.Freq. 349000	Power Middle Ch. F.Freq. 349000	Power High Ch. F.Freq. 352000	Tune-up [dB]	MPR [dB]
				1730	1745	1760		
40	1/2 BPSK	1	1	19.08	19.07	18.99		
40	1/2 BPSK	1	108	19.06	19.15	19.01	20.5	0.0
40	1/2 BPSK	1	214	18.99	19.10	19.01		
40	1/2 BPSK	108	0	19.10	19.02	19.00	20.5	0.0
40	1/2 BPSK	108	54	19.06	19.08	18.98	20.5	0.0
40	1/2 BPSK	108	108	19.13	19.03	18.93	20.5	0.0
40	1/2 BPSK	216	0	18.97	18.14	18.98		
40	QPSK	1	1	19.01	19.23	18.95		
40	QPSK	1	108	19.04	19.00	18.88	20.5	0.0
40	QPSK	1	214	19.12	18.11	19.04		
40	QPSK	108	0	19.03	19.08	18.92	20.5	0.0
40	QPSK	108	54	19.07	19.15	19.03	20.5	0.0
40	QPSK	108	108	19.10	19.06	18.95	20.5	0.0
40	QPSK	216	0	19.13	19.14	19.07		
40	16QAM	1	1	18.88	19.00	18.87	20.5	0.0
40	16QAM	1	1	19.04	19.06	19.02	20.5	0.0
40	256QAM	1	1	17.66	17.73	17.68	19.0	1.5
				345500	349000	352500	Tune-up	MPR
	Frequency (MHz)			1722.5	1745	1767.5	limit	(dB)
35	QPSK	1	1	19.80	19.11	19.30	20.5	0.0
				345000	349000	353000	Tune-up	MPR
	Frequency (MHz)			1725	1745	1765	limit	(dB)
30	QPSK	1	1	19.93	19.15	19.35	20.5	0.0
				344500	349000	353500	Tune-up	MPR
	Frequency (MHz)			1722.5	1745	1767.5	limit	(dB)
25	QPSK	1	1	19.91	19.15	19.35	20.5	0.0
				344000	349000	354000	Tune-up	MPR
	Frequency (MHz)			1720	1745	1770	limit	(dB)
20	QPSK	1	1	19.91	19.15	19.32	20.5	0.0
				343500	349000	354500	Tune-up	MPR
	Frequency (MHz)			1717.5	1745	1772.5	limit	(dB)
15	QPSK	1	1	19.84	19.17	19.31	20.5	0.0
				343000	349000	355000	Tune-up	MPR
	Frequency (MHz)			1715	1745	1775	limit	(dB)
10	QPSK	1	1	19.84	19.16	19.33	20.5	0.0
				342500	349000	355500	Tune-up	MPR
	Frequency (MHz)			1712.5	1745	1777.5	limit	(dB)
5	QPSK	1	1	19.82	19.15	19.33	20.5	0.0



n38 Ant1 Other PA DSI7

Table with 11 columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low, Power Middle, Power High, Tune-up limit (dBm), MPR (dB). Rows include various modulation types like 1/2 BPSK, QPSK, and 16QAM across different RB sizes and power levels.

n41 Ant1 Other PA DSI7

Table with 11 columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low, Power Middle, Power High, Tune-up limit (dBm), MPR (dB). Rows include various modulation types like 1/2 BPSK, QPSK, and 16QAM across different RB sizes and power levels.

Part96 n48 Ant1 DSI7

Table with 11 columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low, Power Middle, Power High, Tune-up limit (dBm), MPR (dB). Rows include various modulation types like 1/2 BPSK, QPSK, and 16QAM across different RB sizes and power levels.

Part270 n77 Ant1 Other PA DSI7

Table with 11 columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low, Power Middle, Power High, Tune-up limit (dBm), MPR (dB). Rows include various modulation types like 1/2 BPSK, QPSK, and 16QAM across different RB sizes and power levels.



n2 Ant5 DSI7									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq. 374000	Power Middle Ch. / Freq. 376000	Power High Ch. / Freq. 378000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	1/2 BPSK	1	1	24.30	24.38	24.31			
40	1/2 BPSK	1	108	24.37	24.41	24.33		25.3	0.0
40	1/2 BPSK	1	214	24.40	24.42	24.31			
40	1/2 BPSK	108	0	23.86	23.75	23.72	24.8	0.5	
40	1/2 BPSK	108	54	24.28	24.31	24.25	25.3	0.0	
40	1/2 BPSK	108	108	23.74	23.82	23.81	24.8	0.5	
40	1/2 BPSK	216	0	23.92	23.95	23.86			
40	QPSK	1	1	24.45	24.46	24.44			
40	QPSK	1	108	24.29	24.34	24.29	25.3	0.0	
40	QPSK	1	214	24.26	24.36	24.25			
40	QPSK	108	0	23.19	23.26	23.16	24.3	1.0	
40	QPSK	108	54	24.28	24.34	24.25	25.3	0.0	
40	QPSK	108	108	23.12	23.20	23.11	24.3	1.0	
40	QPSK	216	0	23.33	23.36	23.25			
40	16QAM	1	1	23.14	23.19	23.13	24.3	1.0	
40	16QAM	1	1	21.96	21.85	21.99	22.8	2.5	
40	256QAM	1	1	19.92	19.61	19.51	20.8	4.5	
Channel									
Frequency (MHz)									
35	QPSK	1	1	18.67	18.80	18.75	limit (dB)		
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.95	18.89	18.98	limit (dB)		
Channel									
Frequency (MHz)									
25	QPSK	1	1	18.23	18.80	18.77	limit (dB)		
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.00	18.80	18.72	limit (dB)		
Channel									
Frequency (MHz)									
15	QPSK	1	1	17.50	18.80	18.65	limit (dB)		
Channel									
Frequency (MHz)									
10	QPSK	1	1	17.00	18.80	18.55	limit (dB)		
Channel									
Frequency (MHz)									
5	QPSK	1	1	16.50	18.80	18.47	limit (dB)		

n7 Ant5 DSI7									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq. 594000	Power Middle Ch. / Freq. 597000	Power High Ch. / Freq. 510000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	1/2 BPSK	1	1	25.25	25.34	25.30			
40	1/2 BPSK	1	108	25.16	25.22	25.12	25.7	0.0	
40	1/2 BPSK	1	214	25.19	25.24	25.20			
40	1/2 BPSK	108	0	24.68	24.75	24.64	25.2	0.5	
40	1/2 BPSK	108	54	25.27	25.32	25.22	25.7	0.0	
40	1/2 BPSK	108	108	24.83	24.89	24.78	25.2	0.5	
40	1/2 BPSK	216	0	24.71	24.78	24.68			
40	QPSK	1	1	25.31	25.37	25.35			
40	QPSK	1	108	25.14	25.24	25.16	25.7	0.0	
40	QPSK	1	214	25.13	25.19	25.13			
40	QPSK	108	0	24.17	24.25	24.21	24.7	1.0	
40	QPSK	108	54	25.17	25.27	25.24	25.7	0.0	
40	QPSK	108	108	24.07	24.10	24.09	24.7	1.0	
40	QPSK	216	0	24.31	24.35	24.27			
40	16QAM	1	1	24.29	24.31	24.28	24.7	1.0	
40	16QAM	1	1	22.70	22.80	22.77	23.2	2.5	
40	256QAM	1	1	20.58	20.68	20.58	21.2	4.5	
Channel									
Frequency (MHz)									
35	QPSK	1	1	22.23	23.31	23.24	23.7	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.15	23.35	23.25	limit (dB)		
Channel									
Frequency (MHz)									
25	QPSK	1	1	23.24	23.33	23.32	23.7	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.23	23.35	23.27	limit (dB)		
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.24	23.32	23.30	23.7	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.24	23.28	23.29	23.7	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	23.22	23.34	23.33	23.7	0.0	

n66 Ant5 DSI7									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq. 346000	Power Middle Ch. / Freq. 349000	Power High Ch. / Freq. 352000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	1/2 BPSK	1	1	24.98	25.03	24.93			
40	1/2 BPSK	1	108	24.74	24.82	24.76	25.7	0.0	
40	1/2 BPSK	1	214	24.72	24.77	24.68			
40	1/2 BPSK	108	0	24.62	24.68	24.59	25.2	0.5	
40	1/2 BPSK	108	54	24.75	24.83	24.81	25.7	0.0	
40	1/2 BPSK	108	108	24.57	24.63	24.58	25.2	0.5	
40	1/2 BPSK	216	0	24.70	24.78	24.71			
40	QPSK	1	1	25.14	25.17	25.14			
40	QPSK	1	108	24.84	24.71	24.68	25.7	0.0	
40	QPSK	1	214	24.78	24.85	24.84			
40	QPSK	108	0	24.09	24.15	24.11	24.7	1.0	
40	QPSK	108	54	24.89	24.95	24.91	25.7	0.0	
40	QPSK	108	108	24.12	24.16	24.08	24.7	1.0	
40	QPSK	216	0	24.15	24.21	24.12			
40	16QAM	1	1	24.01	24.02	23.94	24.7	1.0	
40	16QAM	1	1	22.49	22.59	22.56	23.2	2.5	
40	256QAM	1	1	20.46	20.55	20.50	21.2	4.5	
Channel									
Frequency (MHz)									
35	QPSK	1	1	22.12	23.15	23.05	limit (dB)		
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.65	23.65	23.55	limit (dB)		
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.93	23.92	23.82	limit (dB)		
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.03	23.97	23.87	limit (dB)		
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.11	23.20	23.11	23.7	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.05	23.09	23.05	23.7	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	23.08	23.15	23.12	23.7	0.0	



n38 Ant5 DSI7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 519004	Power Middle Ch. / Freq. 519000	Power High Ch. / Freq. 519996	Tune-up limit (dBm)	MPR (dB)
				2590.02	2595	2599.98		
40	1/2 BPSK	1	1	25.05	25.15	25.01		
40	1/2 BPSK	1	53	24.94	25.03	24.98		25.7
40	1/2 BPSK	1	104	24.89	24.98	24.96		25.7
40	1/2 BPSK	50	0	24.55	24.64	24.57	25.2	0.5
40	1/2 BPSK	50	28	25.05	25.09	25.05		25.7
40	1/2 BPSK	50	56	24.37	24.41	24.36	25.2	0.5
40	1/2 BPSK	100	0	24.52	24.58	24.53		25.7
40	QPSK	1	1	25.07	25.11	25.07		
40	QPSK	1	53	24.89	24.93	24.88		25.7
40	QPSK	1	104	24.85	24.90	24.86		25.7
40	QPSK	50	0	23.97	24.03	23.99	24.7	1.0
40	QPSK	50	28	24.85	24.91	24.85		25.7
40	QPSK	50	56	23.89	23.91	23.85	24.7	1.0
40	QPSK	100	0	24.07	24.12	24.06		25.7
40	16QAM	1	1	23.93	23.96	23.95	24.7	1.0
40	16QAM	1	1	22.59	22.61	22.52	23.2	2.5
40	256QAM	1	1	20.54	20.55	20.53	21.2	4.5
				517002	519000	520998	Tune-up limit (dB)	MPR
				2583.01	2585	2584.99		
30	QPSK	1	1	24.95	25.15	25.02	25.7	0.0
				516504	519000	521496	Tune-up limit (dB)	MPR
				2592.52	2595	2597.48		
25	QPSK	1	1	25.05	25.10	24.97	25.7	0.0
				516000	519000	522000	Tune-up limit (dB)	MPR
				2590	2595	2590		
20	QPSK	1	1	25.04	25.14	25.03	25.7	0.0
				515502	519000	522498	Tune-up limit (dB)	MPR
				2577.51	2585	2582.49		
15	QPSK	1	1	25.03	25.12	25.03	25.7	0.0
				515004	519000	522996	Tune-up limit (dB)	MPR
				2593.02	2595	2594.98		
10	QPSK	1	1	25.03	25.16	24.98	25.7	0.0

n41 Ant5 DSI7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 509202	Power Middle Ch. / Freq. 518598	Power High Ch. / Freq. 520000	Tune-up limit (dBm)	MPR (dB)
				2546.01	2552.99	2540		
100	1/2 BPSK	1	1	24.84	25.05	24.99		
100	1/2 BPSK	1	197	24.94	25.01	24.97	25.7	0.0
100	1/2 BPSK	1	271	25.08	25.11	25.07		25.7
100	1/2 BPSK	135	0	24.84	25.05	24.96	25.7	0.0
100	1/2 BPSK	135	69	24.87	25.07	25.05	25.7	0.0
100	1/2 BPSK	135	138	25.00	25.09	24.99	25.7	0.0
100	1/2 BPSK	270	0	25.04	25.09	25.06		25.7
100	QPSK	1	1	25.16	25.18	25.12		
100	QPSK	1	137	24.95	25.02	24.95	25.7	0.0
100	QPSK	1	271	25.04	25.12	25.07		25.7
100	QPSK	135	0	24.95	25.01	24.94	25.7	0.0
100	QPSK	135	69	25.04	25.07	24.97	25.7	0.0
100	QPSK	135	138	24.95	25.05	24.97	25.7	0.0
100	QPSK	270	0	24.11	24.16	24.12		25.7
100	16QAM	1	1	24.84	24.91	24.85	25.7	0.0
100	16QAM	1	1	24.84	24.96	24.95	25.2	0.5
100	256QAM	1	1	23.38	23.42	23.35	23.7	0.0
				508200	518598	520998	Tune-up limit (dB)	MPR
				2541	2552.99	2544.98		
50	QPSK	1	1	25.06	25.15	25.07	25.7	0.0
				507204	518598	520998	Tune-up limit (dB)	MPR
				2538.02	2552.99	2540.99		
80	QPSK	1	1	25.09	25.13	25.03	25.7	0.0
				506202	518598	531000	Tune-up limit (dB)	MPR
				2531.01	2552.99	2555		
70	QPSK	1	1	25.05	25.15	25.02	25.7	0.0
				505200	518598	531696	Tune-up limit (dB)	MPR
				2526	2552.99	2559.99		
60	QPSK	1	1	25.05	25.11	25.10	25.7	0.0
				504204	518598	532998	Tune-up limit (dB)	MPR
				2521.02	2552.99	2564.99		
50	QPSK	1	1	25.14	25.14	25.03	25.7	0.0
				503202	518598	534000	Tune-up limit (dB)	MPR
				2516.04	2552.99	2560		
40	QPSK	1	1	25.07	25.11	25.07	25.7	0.0
				502200	518598	534696	Tune-up limit (dB)	MPR
				2511	2552.99	2574.98		
30	QPSK	1	1	25.07	25.14	25.10	25.7	0.0
				502200	518598	534696	Tune-up limit (dB)	MPR
				2511	2552.99	2574.98		
25	QPSK	1	1	25.14	25.08	25.07	25.7	0.0
				501204	518598	535698	Tune-up limit (dB)	MPR
				2506.02	2552.99	2574.99		
20	QPSK	1	1	25.14	25.16	25.01	25.7	0.0
				500700	518598	536496	Tune-up limit (dB)	MPR
				2501.5	2552.99	2569.48		
15	QPSK	1	1	25.08	25.10	25.02	25.7	0.0
				500202	518598	537000	Tune-up limit (dB)	MPR
				2501.01	2552.99	2565		
10	QPSK	1	1	25.05	25.11	25.06	25.7	0.0



n2 Ant6 DSI7									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq. 374000	Power Middle Ch. / Freq. 376000	Power High Ch. / Freq. 378000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1870	1880	1890			
40	1/2 BPSK	1	1	23.59	23.65	23.58		25.2	0.0
40	1/2 BPSK	1	108	23.56	23.62	23.51			
40	1/2 BPSK	1	214	23.79	23.87	23.77			
40	1/2 BPSK	108	0	23.13	23.19	23.09	24.7	0.5	
40	1/2 BPSK	108	54	23.58	23.65	23.59	25.2	0.0	
40	1/2 BPSK	108	108	23.14	23.16	23.11	24.7	0.5	
40	1/2 BPSK	216	0	23.17	23.26	23.25			
40	QPSK	1	1	23.81	23.91	23.85			
40	QPSK	1	108	23.66	23.69	23.58	25.2	0.0	
40	QPSK	1	214	23.85	23.90	23.83			
40	QPSK	108	0	22.82	22.84	22.55	24.2	1.0	
40	QPSK	108	54	23.68	23.73	23.71	25.2	0.0	
40	QPSK	108	108	22.66	22.73	22.84	24.2	1.0	
40	QPSK	216	0	22.74	22.81	22.73			
40	16QAM	1	1	22.41	22.52	22.47	24.2	1.0	
40	16QAM	1	1	20.96	21.04	20.98	22.7	2.5	
40	256QAM	1	1	19.91	19.96	19.93	20.7	4.5	
Channel									
Frequency (MHz)				374500	376000	378500	Tune-up	MPR	
35	QPSK	1	1	187.5	1880	1892.5	lim (dB)		
Channel									
Frequency (MHz)				374000	376000	379000	Tune-up	MPR	
30	QPSK	1	1	1865	1880	1895	lim (dB)		
Channel									
Frequency (MHz)				374500	376000	379500	Tune-up	MPR	
25	QPSK	1	1	1872.5	1880	1897.5	lim (dB)		
Channel									
Frequency (MHz)				374000	376000	380000	Tune-up	MPR	
20	QPSK	1	1	1870	1880	1900	lim (dB)		
Channel									
Frequency (MHz)				374500	376000	380500	Tune-up	MPR	
15	QPSK	1	1	1873.5	1880	1897.5	lim (dB)		
Channel									
Frequency (MHz)				374000	376000	381000	Tune-up	MPR	
10	QPSK	1	1	1876	1880	1905	lim (dB)		
Channel									
Frequency (MHz)				374500	376000	381500	Tune-up	MPR	
5	QPSK	1	1	1878.5	1880	1897.5	lim (dB)		

n7 Ant6 DSI7									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq. 504000	Power Middle Ch. / Freq. 507000	Power High Ch. / Freq. 510000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				2520	2535	2550			
40	1/2 BPSK	1	1	24.90	24.94	24.87		25.7	0.0
40	1/2 BPSK	1	108	24.99	25.03	24.97			
40	1/2 BPSK	1	214	24.91	25.00	24.92			
40	1/2 BPSK	108	0	24.44	24.49	24.40	25.2	0.5	
40	1/2 BPSK	108	54	25.00	25.05	25.01	25.7	0.0	
40	1/2 BPSK	108	108	24.43	24.49	24.47	25.2	0.5	
40	1/2 BPSK	216	0	24.56	24.66	24.62			
40	QPSK	1	1	25.00	25.05	25.00			
40	QPSK	1	108	24.81	24.83	24.73	25.7	0.0	
40	QPSK	1	214	24.94	25.02	24.93			
40	QPSK	108	0	23.85	24.03	23.88	24.7	1.0	
40	QPSK	108	54	24.72	24.83	24.81	25.7	0.0	
40	QPSK	108	108	23.60	23.71	23.66	24.7	1.0	
40	QPSK	216	0	23.96	23.99	23.95			
40	16QAM	1	1	23.55	23.60	23.50	24.7	1.0	
40	16QAM	1	1	22.01	22.12	22.08	23.2	2.5	
40	256QAM	1	1	20.01	20.08	19.99	21.2	4.5	
Channel									
Frequency (MHz)				503500	507000	510500	Tune-up	MPR	
35	QPSK	1	1	247.5	2535	2592.5	lim (dB)		
Channel									
Frequency (MHz)				503000	507000	511000	Tune-up	MPR	
30	QPSK	1	1	2475	2535	2595	lim (dB)		
Channel									
Frequency (MHz)				502500	507000	511500	Tune-up	MPR	
25	QPSK	1	1	2472.5	2535	2597.5	lim (dB)		
Channel									
Frequency (MHz)				502000	507000	512000	Tune-up	MPR	
20	QPSK	1	1	2470	2535	2600	lim (dB)		
Channel									
Frequency (MHz)				501500	507000	512500	Tune-up	MPR	
15	QPSK	1	1	2472.5	2535	2597.5	lim (dB)		
Channel									
Frequency (MHz)				501000	507000	513000	Tune-up	MPR	
10	QPSK	1	1	2475	2535	2600	lim (dB)		
Channel									
Frequency (MHz)				500500	507000	513500	Tune-up	MPR	
5	QPSK	1	1	2477.5	2535	2597.5	lim (dB)		

n66 Ant6 DSI7									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq. 346000	Power Middle Ch. / Freq. 349000	Power High Ch. / Freq. 352000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1720	1745	1760			
40	1/2 BPSK	1	1	24.27	24.31	24.21		25.7	0.0
40	1/2 BPSK	1	108	23.97	23.99	23.93			
40	1/2 BPSK	1	214	24.06	24.10	24.03			
40	1/2 BPSK	108	0	23.37	23.45	23.36	25.2	0.5	
40	1/2 BPSK	108	54	23.96	23.98	23.88	25.7	0.0	
40	1/2 BPSK	108	108	23.35	23.45	23.37	25.2	0.5	
40	1/2 BPSK	216	0	23.53	23.55	23.45			
40	QPSK	1	1	24.35	24.38	24.34			
40	QPSK	1	108	23.91	23.93	23.90	25.7	0.0	
40	QPSK	1	214	24.00	24.10	24.04			
40	QPSK	108	0	22.85	23.00	22.96	24.7	1.0	
40	QPSK	108	54	23.95	23.99	23.90	25.7	0.0	
40	QPSK	108	108	22.85	22.84	22.90	24.7	1.0	
40	QPSK	216	0	23.02	23.06	23.00			
40	16QAM	1	1	23.12	23.21	23.12	24.7	1.0	
40	16QAM	1	1	21.62	21.70	21.68	23.2	2.5	
40	256QAM	1	1	19.53	19.61	19.56	21.2	4.5	
Channel									
Frequency (MHz)				345500	349000	352500	Tune-up	MPR	
35	QPSK	1	1	1722.5	1745	1762.5	lim (dB)		
Channel									
Frequency (MHz)				345000	349000	353000	Tune-up	MPR	
30	QPSK	1	1	1725	1745	1765	lim (dB)		
Channel									
Frequency (MHz)				344500	349000	353500	Tune-up	MPR	
25	QPSK	1	1	1722.5	1745	1767.5	lim (dB)		
Channel									
Frequency (MHz)				344000	349000	354000	Tune-up	MPR	
20	QPSK	1	1	1720	1745	1770	lim (dB)		
Channel									
Frequency (MHz)				343500	349000	354500	Tune-up	MPR	
15	QPSK	1	1	1722.5	1745	1772.5	lim (dB)		
Channel									
Frequency (MHz)				343000	349000	355000	Tune-up	MPR	
10	QPSK	1	1	1725	1745	1775	lim (dB)		
Channel									
Frequency (MHz)				342500	349000	355500	Tune-up	MPR	
5	QPSK	1	1	1727.5	1745	1777.5	lim (dB)		



Part270 n77 Ant6 DSI7 PC2									
BW [MHz]	Modulat ion	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)									
100	1/2 BPSK	1	1	25.36	25.43	25.42	27.0	0.0	
100	1/2 BPSK	1	137	25.31	25.39	25.34			
100	1/2 BPSK	1	271	25.35	25.44	25.37			
100	1/2 BPSK	135	0	24.81	24.84	24.82	26.5	0.5	
100	1/2 BPSK	135	69	25.35	25.41	25.40	27.0	0.0	
100	1/2 BPSK	135	138	24.90	24.91	24.85	26.5	0.5	
100	1/2 BPSK	270	0	24.88	24.93	24.87			
100	QPSK	1	1	25.66	25.77	25.73			
100	QPSK	1	137	25.23	25.33	25.28	27.0	0.0	
100	QPSK	1	271	25.40	25.42	25.34			
100	QPSK	135	0	24.31	24.33	24.26	26.0	1.0	
100	QPSK	135	69	25.29	25.31	25.30	27.0	0.0	
100	QPSK	135	138	24.39	24.41	24.32	26.0	1.0	
100	QPSK	270	0	24.36	24.42	24.38			
100	16QAM	1	1	24.31	24.36	24.34	26.0	1.0	
100	16QAM	1	1	22.81	22.86	22.81	24.5	2.5	
100	256QAM	1	1	20.80	20.86	20.76	22.5	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	25.47	25.70	25.69	27.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	25.58	25.65	25.65	27.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	25.63	25.65	25.63	27.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	25.59	25.73	25.69	27.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	25.61	25.66	25.72	27.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	25.66	25.74	25.70	27.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	25.62	25.66	25.72	27.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	25.66	25.74	25.66	27.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	25.60	25.76	25.68	27.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	25.64	25.76	25.66	27.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	25.58	25.69	25.70	27.0	0.0	

Part27Q n77 Ant6 DSI7									
BW [MHz]	Modulat ion	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)									
100	1/2 BPSK	1	1	23.81			25.5	0.0	
100	1/2 BPSK	1	137	23.83					
100	1/2 BPSK	1	271	23.98					
100	1/2 BPSK	135	0	23.81			25.5	0.0	
100	1/2 BPSK	135	69	23.77			25.5	0.0	
100	1/2 BPSK	135	138	23.89			25.5	0.0	
100	1/2 BPSK	270	0	23.85					
100	QPSK	1	1	24.02					
100	QPSK	1	137	23.77			25.5	0.0	
100	QPSK	1	271	24.01					
100	QPSK	135	0	23.77			25.5	0.0	
100	QPSK	135	69	23.92			25.5	0.0	
100	QPSK	135	138	23.90			25.5	0.0	
100	QPSK	270	0	23.84					
100	16QAM	1	1	23.70			25.5	0.0	
100	16QAM	1	1	23.18			25.0	0.5	
100	256QAM	1	1	21.29			23.0	2.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	23.93	23.93	23.93	25.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.97	23.95	23.91	25.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	24.00	23.95	23.91	25.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.93	23.93	23.91	25.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.93	23.93	23.97	25.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	24.00	24.00	23.92	25.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.93	23.96	23.96	25.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	24.00	23.93	23.96	25.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.96	23.95	23.93	25.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	24.00	23.96	23.94	25.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.94	23.92	23.92	25.5	0.0	

Part27Q n77 Ant6 DSI7 PC2									
BW [MHz]	Modulat ion	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)									
100	1/2 BPSK	1	1	25.56			27.0	0.0	
100	1/2 BPSK	1	137	25.52					
100	1/2 BPSK	1	271	25.79					
100	1/2 BPSK	135	0	25.13			26.5	0.5	
100	1/2 BPSK	135	69	25.50			27.0	0.0	
100	1/2 BPSK	135	138	25.26			26.5	0.5	
100	1/2 BPSK	270	0	25.21					
100	QPSK	1	1	25.82					
100	QPSK	1	137	25.50			27.0	0.0	
100	QPSK	1	271	25.81					
100	QPSK	135	0	24.56			26.0	1.0	
100	QPSK	135	69	25.41			27.0	0.0	
100	QPSK	135	138	24.76			26.0	1.0	
100	QPSK	270	0	24.72					
100	16QAM	1	1	24.56			26.0	1.0	
100	16QAM	1	1	23.06			24.5	2.5	
100	256QAM	1	1	21.05			22.5	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	25.78	25.90	25.78	27.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	25.71	25.75	25.75	27.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	25.79	25.74	25.76	27.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	25.77	25.78	25.80	27.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	25.75	25.74	25.80	27.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	25.79	25.77	25.76	27.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	25.76	25.81	25.76	27.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	25.74	25.73	25.72	27.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	25.81	25.79	25.75	27.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	25.77	25.73	25.74	27.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	25.77	25.77	25.78	27.0	0.0	



Part96 n48 Ant7 DSI7

Table with columns: 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). Rows include Frequency (MHz) and QPSK configurations.

Part270 n77 Ant7 DSI7

Table with columns: 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). Rows include Frequency (MHz) and QPSK configurations.

Part270 n77 Ant7 DSI7 PC2

Table with columns: 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). Rows include Frequency (MHz) and QPSK configurations.

Part270 n77 Ant7 DSI7

Table with columns: 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). Rows include Frequency (MHz) and QPSK configurations.



Part27Q n78 Ant7 DSI7

BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel 63334								
Frequency (MHz) 3500.01								
100	1/2 BPSK	1	1	18.82				
100	1/2 BPSK	1	137	18.80				
100	1/2 BPSK	1	271	18.82			19.5	0.0
100	1/2 BPSK	135	0	18.80			19.5	0.0
100	1/2 BPSK	135	69	18.77			19.5	0.0
100	1/2 BPSK	135	138	18.79			19.5	0.0
100	1/2 BPSK	270	0	18.79			19.5	0.0
100	QPSK	1	1	18.85				
100	QPSK	1	137	18.78			19.5	0.0
100	QPSK	1	271	18.78			19.5	0.0
100	QPSK	135	0	18.79			19.5	0.0
100	QPSK	135	69	18.83			19.5	0.0
100	QPSK	135	138	18.76			19.5	0.0
100	QPSK	270	0	18.75			19.5	0.0
100	16QAM	1	1	18.80			19.5	0.0
100	16QAM	1	1	18.81			19.5	0.0
100	256QAM	1	1	18.82			19.5	0.0
Channel 63300								
Frequency (MHz) 3495								
90	QPSK	1	1	18.81	18.75	18.81	19.5	0.0
Channel 63268								
Frequency (MHz) 3490.02								
80	QPSK	1	1	18.75	18.72	18.75	19.5	0.0
Channel 63234								
Frequency (MHz) 3485.01								
70	QPSK	1	1	18.75	18.72	18.75	19.5	0.0
Channel 63200								
Frequency (MHz) 3480								
60	QPSK	1	1	18.80	18.72	18.80	19.5	0.0
Channel 63168								
Frequency (MHz) 3475.02								
50	QPSK	1	1	18.81	18.75	18.75	19.5	0.0
Channel 63134								
Frequency (MHz) 3470.01								
40	QPSK	1	1	18.83	18.81	18.83	19.5	0.0
Channel 63100								
Frequency (MHz) 3465								
30	QPSK	1	1	18.76	18.81	18.76	19.5	0.0
Channel 63068								
Frequency (MHz) 3460.03								
25	QPSK	1	1	18.80	18.75	18.81	19.5	0.0
Channel 63034								
Frequency (MHz) 3455.01								
20	QPSK	1	1	18.75	18.78	18.76	19.5	0.0
Channel 63000								
Frequency (MHz) 3450.03								
15	QPSK	1	1	18.75	18.78	18.83	19.5	0.0
Channel 63034								
Frequency (MHz) 3455.01								
10	QPSK	1	1	18.76	18.83	18.75	19.5	0.0

Part27Q n78 Ant7 DSI7 PC2

BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel 63334								
Frequency (MHz) 3500.01								
100	1/2 BPSK	1	1	21.79				
100	1/2 BPSK	1	137	21.77				
100	1/2 BPSK	1	271	21.80			22.5	0.0
100	1/2 BPSK	135	0	21.79			22.5	0.0
100	1/2 BPSK	135	69	21.76			22.5	0.0
100	1/2 BPSK	135	138	21.76			22.5	0.0
100	1/2 BPSK	270	0	21.82			22.5	0.0
100	QPSK	1	1	21.86				
100	QPSK	1	137	21.77			22.5	0.0
100	QPSK	1	271	21.77			22.5	0.0
100	QPSK	135	0	21.77			22.5	0.0
100	QPSK	135	69	21.85			22.5	0.0
100	QPSK	135	138	21.76			22.5	0.0
100	QPSK	270	0	21.84			22.5	0.0
100	16QAM	1	1	21.79			22.5	0.0
100	16QAM	1	1	21.78			22.5	0.0
100	256QAM	1	1	21.83			22.5	0.0
Channel 63300								
Frequency (MHz) 3495								
90	QPSK	1	1	21.82	21.85	21.82	22.5	0.0
Channel 63268								
Frequency (MHz) 3490.02								
80	QPSK	1	1	21.84	21.81	21.83	22.5	0.0
Channel 63234								
Frequency (MHz) 3485.01								
70	QPSK	1	1	21.83	21.87	21.79	22.5	0.0
Channel 63200								
Frequency (MHz) 3480								
60	QPSK	1	1	21.83	21.85	21.80	22.5	0.0
Channel 63168								
Frequency (MHz) 3475.02								
50	QPSK	1	1	21.84	21.80	21.88	22.5	0.0
Channel 63134								
Frequency (MHz) 3470.01								
40	QPSK	1	1	21.83	21.79	21.82	22.5	0.0
Channel 63100								
Frequency (MHz) 3465								
30	QPSK	1	1	21.82	21.79	21.84	22.5	0.0
Channel 63068								
Frequency (MHz) 3460.03								
25	QPSK	1	1	21.87	21.81	21.80	22.5	0.0
Channel 63034								
Frequency (MHz) 3455.01								
20	QPSK	1	1	21.81	21.83	21.81	22.5	0.0
Channel 63000								
Frequency (MHz) 3450.03								
15	QPSK	1	1	21.85	21.88	21.79	22.5	0.0
Channel 63034								
Frequency (MHz) 3455.01								
10	QPSK	1	1	21.86	21.84	21.86	22.5	0.0

**Part27Q n77 Ant8 Other PA DSI7 PC2**

BW [MHz]	Modulat ion	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)								
100	1/2 BPSK	1	1	24.88	3500.01			
100	1/2 BPSK	1	137	24.41			26.0	0.0
100	1/2 BPSK	1	271	24.26				
100	1/2 BPSK	135	0	24.18			25.5	0.5
100	1/2 BPSK	135	69	24.53			26.0	0.0
100	1/2 BPSK	135	138	24.06			25.5	0.5
100	1/2 BPSK	270	0	24.02				
100	QPSK	1	1	24.76				
100	QPSK	1	137	24.42			26.0	0.0
100	QPSK	1	271	24.22				
100	QPSK	135	0	23.60			25.0	1.0
100	QPSK	135	69	24.58			26.0	0.0
100	QPSK	135	138	23.48			25.0	1.0
100	QPSK	270	0	23.50				
100	16QAM	1	1	23.64			25.0	1.0
100	64QAM	1	1	23.34			23.5	2.5
100	256QAM	1	1	21.12			21.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	34.65	3503.01	3503.02	lim.	(dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	24.68	24.66	24.66	25.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	24.71	24.72	24.65	25.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	24.65	24.72	24.72	25.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	24.66	24.67	24.74	26.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	24.69	24.72	24.68	26.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	24.72	24.75	24.85	26.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	24.72	24.66	24.68	26.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	24.74	24.75	24.85	26.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	24.67	24.66	24.67	26.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	24.67	24.72	24.72	26.0	0.0

Part27O n78 Ant8 Other PA DSI7

BW [MHz]	Modulat ion	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)								
100	1/2 BPSK	1	1	23.30	3750			
100	1/2 BPSK	1	137	23.05			25.0	0.0
100	1/2 BPSK	1	271	23.01				
100	1/2 BPSK	135	0	23.20			25.0	0.0
100	1/2 BPSK	135	69	23.04			25.0	0.0
100	1/2 BPSK	135	138	23.04			25.0	0.0
100	1/2 BPSK	270	0	23.07				
100	QPSK	1	1	23.37				
100	QPSK	1	137	23.06			25.0	0.0
100	QPSK	1	271	23.09				
100	QPSK	135	0	23.13			25.0	0.0
100	QPSK	135	69	23.24			25.0	0.0
100	QPSK	135	138	23.09			25.0	0.0
100	QPSK	270	0	23.10				
100	16QAM	1	1	23.31			25.0	0.0
100	64QAM	1	1	22.98			24.5	0.5
100	256QAM	1	1	20.75			20.5	2.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	32.27	32.35	32.35	lim.	(dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.33	23.32	23.39	25.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	23.31	23.33	23.30	25.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	23.33	23.29	23.35	25.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	23.29	23.28	23.29	25.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	23.31	23.30	23.28	25.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	23.33	23.28	23.30	25.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	23.33	23.32	23.30	25.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.28	23.30	23.29	25.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	23.31	23.29	23.29	25.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.31	23.27	23.28	25.0	0.0

Part27O n78 Ant8 Other PA DSI7 PC2

BW [MHz]	Modulat ion	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)								
100	1/2 BPSK	1	1	24.42	3750			
100	1/2 BPSK	1	137	24.31			26.0	0.0
100	1/2 BPSK	1	271	24.41				
100	1/2 BPSK	135	0	23.88			25.5	0.5
100	1/2 BPSK	135	69	24.31			26.0	0.0
100	1/2 BPSK	135	138	23.79			25.5	0.5
100	1/2 BPSK	270	0	23.91				
100	QPSK	1	1	24.46				
100	QPSK	1	137	24.35			26.0	0.0
100	QPSK	1	271	24.41				
100	QPSK	135	0	23.37			25.0	1.0
100	QPSK	135	69	24.34			26.0	0.0
100	QPSK	135	138	23.34			25.0	1.0
100	QPSK	270	0	23.32				
100	16QAM	1	1	23.50			25.0	1.0
100	64QAM	1	1	22.35			23.5	2.5
100	256QAM	1	1	20.38			21.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	24.42	24.39	24.39	lim.	(dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	24.42	24.42	24.43	26.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	24.39	24.41	24.39	26.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	24.39	24.37	24.35	26.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	24.37	24.44	24.45	26.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	24.37	24.41	24.43	26.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	24.42	24.45	24.43	26.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	24.40	24.39	24.41	26.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	24.44	24.38	24.39	26.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	24.42	24.39	24.39	26.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	24.41	24.39	24.43	26.0	0.0



Part27Q n78 Ant8 Other PA DSI7

BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel 63334								
Frequency (MHz) 3500.01								
100	1/2 BPSK	1	1	23.11				
100	1/2 BPSK	1	137	23.05			25.0	0.0
100	1/2 BPSK	1	271	23.09				
100	1/2 BPSK	135	0	23.20			25.0	0.0
100	1/2 BPSK	135	69	23.17			25.0	0.0
100	1/2 BPSK	135	138	23.15			25.0	0.0
100	1/2 BPSK	270	0	23.05			25.0	0.0
100	QPSK	1	1	23.31				
100	QPSK	1	137	23.01			25.0	0.0
100	QPSK	1	271	23.07				
100	QPSK	135	0	23.23			25.0	0.0
100	QPSK	135	69	23.25			25.0	0.0
100	QPSK	135	138	23.07			25.0	0.0
100	QPSK	270	0	23.07				
100	16QAM	1	1	23.09			25.0	0.0
100	16QAM	1	1	22.88			24.5	0.5
100	256QAM	1	1	21.40			21.5	2.5
Channel 63300								
Frequency (MHz) 3495								
90	QPSK	1	1	23.22	23.20	23.23	25.0	0.0
Channel 63268								
Frequency (MHz) 3490.02								
80	QPSK	1	1	23.23	23.23	23.29	25.0	0.0
Channel 63234								
Frequency (MHz) 3485.01								
70	QPSK	1	1	23.27	23.20	23.29	25.0	0.0
Channel 63200								
Frequency (MHz) 3480								
60	QPSK	1	1	23.25	23.20	23.29	25.0	0.0
Channel 63168								
Frequency (MHz) 3475.02								
50	QPSK	1	1	23.24	23.29	23.25	25.0	0.0
Channel 63134								
Frequency (MHz) 3470.01								
40	QPSK	1	1	23.27	23.24	23.27	25.0	0.0
Channel 63100								
Frequency (MHz) 3465								
30	QPSK	1	1	23.24	23.21	23.25	25.0	0.0
Channel 63068								
Frequency (MHz) 3460.01								
25	QPSK	1	1	23.21	23.20	23.27	25.0	0.0
Channel 63034								
Frequency (MHz) 3455.01								
20	QPSK	1	1	23.27	23.21	23.29	25.0	0.0
Channel 63000								
Frequency (MHz) 3450.01								
15	QPSK	1	1	23.22	23.21	23.21	25.0	0.0
Channel 62968								
Frequency (MHz) 3445.01								
10	QPSK	1	1	23.23	23.29	23.25	25.0	0.0

Part27Q n78 Ant8 Other PA DSI7 PC2

BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel 63334								
Frequency (MHz) 3500.01								
100	1/2 BPSK	1	1	25.40				
100	1/2 BPSK	1	137	25.15			26.0	0.0
100	1/2 BPSK	1	271	24.90				
100	1/2 BPSK	135	0	24.80			25.5	0.5
100	1/2 BPSK	135	69	25.13			26.0	0.0
100	1/2 BPSK	135	138	24.89			25.5	0.5
100	1/2 BPSK	270	0	24.62				
100	QPSK	1	1	25.48				
100	QPSK	1	137	25.17			26.0	0.0
100	QPSK	1	271	24.95				
100	QPSK	135	0	24.95			25.0	1.0
100	QPSK	135	69	25.10			26.0	0.0
100	QPSK	135	138	24.14			25.0	1.0
100	QPSK	270	0	24.19				
100	16QAM	1	1	24.36			25.0	1.0
100	16QAM	1	1	22.82			23.5	2.5
100	256QAM	1	1	20.92			21.5	4.5
Channel 63300								
Frequency (MHz) 3495								
90	QPSK	1	1	25.42	25.45	25.43	26.0	0.0
Channel 63268								
Frequency (MHz) 3490.02								
80	QPSK	1	1	25.39	25.38	25.46	26.0	0.0
Channel 63234								
Frequency (MHz) 3485.01								
70	QPSK	1	1	25.33	25.39	25.46	26.0	0.0
Channel 63200								
Frequency (MHz) 3480								
60	QPSK	1	1	25.40	25.40	25.41	26.0	0.0
Channel 63168								
Frequency (MHz) 3475.02								
50	QPSK	1	1	25.43	25.41	25.44	26.0	0.0
Channel 63134								
Frequency (MHz) 3470.01								
40	QPSK	1	1	25.38	25.37	25.42	26.0	0.0
Channel 63100								
Frequency (MHz) 3465								
30	QPSK	1	1	25.44	25.46	25.41	26.0	0.0
Channel 63068								
Frequency (MHz) 3460.01								
25	QPSK	1	1	25.42	25.44	25.44	26.0	0.0
Channel 63034								
Frequency (MHz) 3455.01								
20	QPSK	1	1	25.38	25.39	25.45	26.0	0.0
Channel 63000								
Frequency (MHz) 3450.01								
15	QPSK	1	1	25.45	25.45	25.37	26.0	0.0
Channel 62968								
Frequency (MHz) 3445.01								
10	QPSK	1	1	25.37	25.44	25.38	26.0	0.0



Reduced Power Mode for SA DSI 8

n5 Ant0 DSI 8								
BW [MHz]	Modulat ion	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)				168800	167300	167800		
				834	836.5	839		
20	1/2 BPSK	1	1	25.07	25.15	25.14		
20	1/2 BPSK	1	53	25.19	25.22	25.16	25.7	0.0
20	1/2 BPSK	1	104	25.20	25.31	25.27		
20	1/2 BPSK	50	0	24.59	24.69	24.61	25.2	0.5
20	1/2 BPSK	50	29	25.20	25.27	25.19	25.7	0.0
20	1/2 BPSK	50	56	24.81	24.66	24.61		
20	1/2 BPSK	100	0	24.72	24.81	24.76	25.2	0.5
20	QPSK	1	1	25.40	25.42	25.35		
20	QPSK	1	53	25.26	25.38	25.37	25.7	0.0
20	QPSK	1	104	25.36	25.39	25.32		
20	QPSK	50	0	24.20	24.22	24.19	24.7	1.0
20	QPSK	50	29	25.17	25.27	25.26	25.7	0.0
20	QPSK	50	56	24.12	24.18	24.11	24.7	1.0
20	QPSK	100	0	24.31	24.33	24.23		
20	16QAM	1	1	24.08	24.15	24.10	24.7	1.0
20	64QAM	1	1	22.65	22.67	22.64	23.2	2.5
20	256QAM	1	1	20.30	20.40	20.33	21.2	4.5
Channel								
Frequency (MHz)				168300	167800	168300	Tune-up	MPR
				831.5	836.5	841.5	limit	(dB)
15	QPSK	1	1	25.39	25.28	25.22	25.7	0.0
Channel								
Frequency (MHz)				168300	167300	168300	Tune-up	MPR
				830	836.5	844	limit	(dB)
10	QPSK	1	1	25.40	25.23	25.30	25.7	0.0
Channel								
Frequency (MHz)				168300	167300	168300	Tune-up	MPR
				826.5	836.5	846.5	limit	(dB)
5	QPSK	1	1	25.33	25.33	25.23	25.7	0.0

n7 Ant0 Other PA DSI 8								
BW [MHz]	Modulat ion	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)				504000	507000	510000		
				2520	2535	2550		
40	1/2 BPSK	1	1	22.66	22.84	22.71		
40	1/2 BPSK	1	108	22.64	22.82	22.73	23.2	0.0
40	1/2 BPSK	1	214	22.65	22.77	22.68		
40	1/2 BPSK	108	0	22.80	22.71	22.72	23.2	0.0
40	1/2 BPSK	108	54	22.77	22.82	22.68	23.2	0.0
40	1/2 BPSK	108	108	22.63	22.82	22.78	23.2	0.0
40	1/2 BPSK	216	0	22.67	22.72	22.63	23.2	0.0
40	QPSK	1	1	22.70	22.85	22.72		
40	QPSK	1	108	22.63	22.88	22.73	23.2	0.0
40	QPSK	1	214	22.75	22.77	22.75		
40	QPSK	108	0	22.75	22.74	22.67	23.2	0.0
40	QPSK	108	54	22.67	22.80	22.75	23.2	0.0
40	QPSK	108	108	22.78	22.68	22.76	23.2	0.0
40	QPSK	216	0	22.76	22.79	22.70	23.2	0.0
40	16QAM	1	1	22.67	22.73	22.68	23.2	0.0
40	64QAM	1	1	22.76	22.69	22.75	23.2	0.0
40	256QAM	1	1	20.64	20.65	20.71	21.2	2.0
Channel								
Frequency (MHz)				505000	507000	510000	Tune-up	MPR
				2517.5	2535	2552.5	limit	(dB)
35	QPSK	1	1	22.60	22.81	22.65	23.2	0.0
Channel								
Frequency (MHz)				503000	507000	511000	Tune-up	MPR
				2515	2535	2555	limit	(dB)
30	QPSK	1	1	22.80	22.82	22.70	23.2	0.0
Channel								
Frequency (MHz)				505000	507000	511500	Tune-up	MPR
				2512.5	2535	2557.5	limit	(dB)
25	QPSK	1	1	22.67	22.83	22.62	23.2	0.0
Channel								
Frequency (MHz)				503000	507000	512000	Tune-up	MPR
				2510	2535	2560	limit	(dB)
20	QPSK	1	1	22.60	22.83	22.65	23.2	0.0
Channel								
Frequency (MHz)				501500	507000	512500	Tune-up	MPR
				2507.5	2535	2562.5	limit	(dB)
15	QPSK	1	1	22.63	22.78	22.69	23.2	0.0
Channel								
Frequency (MHz)				501000	507000	513000	Tune-up	MPR
				2505	2535	2565	limit	(dB)
10	QPSK	1	1	22.63	22.79	22.65	23.2	0.0
Channel								
Frequency (MHz)				500500	507000	513500	Tune-up	MPR
				2502.5	2535	2567.5	limit	(dB)
5	QPSK	1	1	22.63	22.79	22.67	23.2	0.0

n12 Ant0 DSI 8								
BW [MHz]	Modulat ion	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)				141300	141500	141700		
				706.5	707.5	708.5		
15	1/2 BPSK	1	1	25.10	25.15	25.08		
15	1/2 BPSK	1	40	24.99	25.07	24.99	25.7	0.0
15	1/2 BPSK	1	77	25.04	25.12	25.02		
15	1/2 BPSK	36	0	24.45	24.51	24.46	25.2	0.5
15	1/2 BPSK	36	22	25.06	25.11	25.06	25.7	0.0
15	1/2 BPSK	36	43	24.38	24.45	24.43		
15	1/2 BPSK	75	0	24.46	24.54	24.53	25.2	0.5
15	QPSK	1	1	25.14	25.17	25.16		
15	QPSK	1	40	24.95	25.02	24.92	25.7	0.0
15	QPSK	1	77	25.09	25.15	25.09		
15	QPSK	36	0	23.95	24.01	23.90	24.7	1.0
15	QPSK	36	22	25.01	25.10	25.05	25.7	0.0
15	QPSK	36	43	24.01	24.02	24.00	24.7	1.0
15	QPSK	75	0	23.87	23.89	23.91		
15	16QAM	1	1	23.99	24.07	24.06	24.7	1.0
15	64QAM	1	1	22.42	22.49	22.41	23.2	2.5
15	256QAM	1	1	20.50	20.52	20.49	21.2	4.5
Channel								
Frequency (MHz)				140300	141500	142000	Tune-up	MPR
				704	707.5	711	limit	(dB)
10	QPSK	1	1	25.12	25.15	25.07	25.7	0.0
Channel								
Frequency (MHz)				140300	141500	142000	Tune-up	MPR
				701.5	707.5	713.5	limit	(dB)
5	QPSK	1	1	25.06	25.14	25.14	25.7	0.0



n26 Ant0 DSI 8								
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				16400	16630	16760		
Frequency (MHz)				824	831.5	839		
20	1/2 BPSK	1	1	25.16	25.26	25.19		
20	1/2 BPSK	1	53	25.26	25.23	25.23	25.7	0.0
20	1/2 BPSK	1	104	25.26	25.42	25.34		
20	1/2 BPSK	50	0	24.64	24.74	24.64	25.2	0.5
20	1/2 BPSK	50	28	25.25	25.36	25.27	25.7	0.0
20	1/2 BPSK	50	56	24.72	24.68	24.64	25.2	0.5
20	1/2 BPSK	100	0	24.79	24.86	24.84		
20	QPSK	1	1	25.36	25.44	25.43		
20	QPSK	1	53	25.29	25.39	25.42	25.7	0.0
20	QPSK	1	104	25.38	25.37	25.37		
20	QPSK	50	0	24.30	24.30	24.25	24.7	1.0
20	QPSK	50	28	25.18	25.37	25.32	25.7	0.0
20	QPSK	50	56	24.17	24.28	24.18	24.7	1.0
20	QPSK	100	0	24.35	24.38	24.34		
20	16QAM	1	1	24.14	24.22	24.18	24.7	1.0
20	64QAM	1	1	22.72	22.73	22.66	23.2	2.5
20	256QAM	1	1	20.41	20.42	20.35	21.2	4.5
Channel				16430	16630	16760		
Frequency (MHz)				821.5	831.5	841.5	limit	(dB)
Channel				1631	25.43	25.37	25.7	0.0
Channel				16330	16330	16330	limit	(dB)
Channel				819	831.5	844	limit	(dB)
Channel				25.34	25.33	25.33	25.7	0.0
Channel				16330	16330	16330	limit	(dB)
Channel				816.5	831.5	846.5	limit	(dB)
5	QPSK	1	1	25.30	25.36	25.32	25.7	0.0

n66 Ant0 DSI 8								
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				34600	34900	35200		
Frequency (MHz)				1730	1745	1760		
40	1/2 BPSK	1	1	18.68	18.59	18.60		
40	1/2 BPSK	1	108	18.65	18.69	18.58	20.2	0.0
40	1/2 BPSK	1	214	18.65	18.64	18.68		
40	1/2 BPSK	108	0	18.65	18.71	18.66	20.2	0.0
40	1/2 BPSK	108	54	18.65	18.63	18.73	20.2	0.0
40	1/2 BPSK	108	109	18.64	18.63	18.65	20.2	0.0
40	1/2 BPSK	216	0	18.70	18.66	18.58		
40	QPSK	1	1	18.70	18.75	18.70		
40	QPSK	1	108	18.62	18.66	18.57	20.2	0.0
40	QPSK	1	214	18.60	18.68	18.63		
40	QPSK	108	0	18.62	18.69	18.61	20.2	0.0
40	QPSK	108	54	18.65	18.73	18.72	20.2	0.0
40	QPSK	108	108	18.65	18.67	18.63	20.2	0.0
40	QPSK	216	0	18.62	18.72	18.55		
40	16QAM	1	1	18.57	18.65	18.66	20.2	0.0
40	64QAM	1	1	18.70	18.65	18.67	20.2	0.0
40	256QAM	1	1	17.90	18.01	17.92	19.7	0.5
Channel				34500	34900	35200		
Frequency (MHz)				1727.5	1745	1762.5	limit	(dB)
Channel				18.63	18.73	18.64	20.2	0.0
Channel				34500	34900	35200	limit	(dB)
Channel				1725	1745	1763	limit	(dB)
Channel				18.62	18.72	18.62	20.2	0.0
Channel				34400	34900	35300	limit	(dB)
Channel				1722.5	1745	1767.5	limit	(dB)
Channel				18.60	18.67	18.63	20.2	0.0
Channel				34400	34900	35400	limit	(dB)
Channel				1720	1745	1770	limit	(dB)
Channel				18.53	18.67	18.63	20.2	0.0
Channel				34300	34900	35450	limit	(dB)
Channel				1717.5	1745	1772.5	limit	(dB)
Channel				18.65	18.63	18.63	20.2	0.0
Channel				34300	34900	35500	limit	(dB)
Channel				1715	1745	1775	limit	(dB)
Channel				18.61	18.65	18.63	20.2	0.0
Channel				34200	34900	35550	limit	(dB)
Channel				1712.5	1745	1777.5	limit	(dB)
5	QPSK	1	1	18.59	18.63	18.63	20.2	0.0



n38 Ant0 Other PA DSI 8								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq. 519004	Power Middle Ch. / Freq. 519000	Power High Ch. / Freq. 519996	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			2590.02	2595	2599.98		
40	1/2 BPS	1	1	23.97	24.24	23.98	24.7	0.0
40	1/2 BPS	1	53	24.12	24.07	23.98		
40	1/2 BPS	1	104	24.08	24.09	24.17		
40	1/2 BPS	50	0	24.10	24.01	23.93	24.7	0.0
40	1/2 BPS	50	28	23.94	24.23	24.01	24.7	0.0
40	1/2 BPS	50	56	24.13	24.13	24.07	24.7	0.0
40	1/2 BPS	100	0	24.00	24.17	24.06		
40	QPSK	1	1	24.19	24.18	24.10		
40	QPSK	1	53	24.02	24.10	24.01	24.7	0.0
40	QPSK	1	104	23.94	23.93	24.08		
40	QPSK	50	0	24.04	24.09	24.12	24.7	0.0
40	QPSK	50	28	23.99	24.06	23.90	24.7	0.0
40	QPSK	50	56	23.96	24.04	24.04	24.7	0.0
40	QPSK	100	0	24.00	24.21	23.97		
40	16QAM	1	1	24.17	24.07	23.82	24.7	0.0
40	8QAM	1	1	22.93	23.01	22.81	23.2	1.5
40	256QAM	1	1	20.76	20.91	20.62	21.2	3.5
	Channel			517002	519000	520998	Tune-up	MPR
	Frequency (MHz)			2583.01	2595	2604.99	limit	(dB)
30	1/2 BPS	1	1	23.97	24.15	24.09	24.7	0.0
	Channel			516504	519000	521496	Tune-up	MPR
	Frequency (MHz)			2592.52	2595	2607.48	limit	(dB)
25	1/2 BPS	1	1	23.94	24.22	23.94	24.7	0.0
	Channel			516000	519000	522000	Tune-up	MPR
	Frequency (MHz)			2590	2595	2610	limit	(dB)
20	1/2 BPS	1	1	23.95	24.05	24.05	24.7	0.0
	Channel			515502	519000	522498	Tune-up	MPR
	Frequency (MHz)			2577.51	2595	2612.49	limit	(dB)
15	1/2 BPS	1	1	23.97	24.05	23.92	24.7	0.0
	Channel			515004	519000	522996	Tune-up	MPR
	Frequency (MHz)			2573.02	2595	2614.98	limit	(dB)
10	1/2 BPS	1	1	23.93	24.17	24.03	24.7	0.0

n41 Ant0 Other PA DSI 8								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq. 509202	Power Middle Ch. / Freq. 518598	Power High Ch. / Freq. 528000	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			2546.01	2592.99	2640		
100	1/2 BPS	1	1	23.71	23.69	23.78		
100	1/2 BPS	1	197	23.74	23.86	23.75	24.2	0.0
100	1/2 BPS	1	271	23.76	23.77	23.69		
100	1/2 BPS	135	0	23.69	23.77	23.78	24.2	0.0
100	1/2 BPS	135	69	23.84	23.97	23.75	24.2	0.0
100	1/2 BPS	135	138	23.71	23.81	23.79	24.2	0.0
100	1/2 BPS	270	0	23.77	23.88	23.83		
100	QPSK	1	1	23.84	23.82	23.79		
100	QPSK	1	137	23.85	23.80	23.78	25.4	0.0
100	QPSK	1	271	23.79	23.84	23.70		
100	QPSK	135	0	23.71	23.78	23.75	24.2	0.0
100	QPSK	135	69	23.86	23.81	23.69	24.2	0.0
100	QPSK	135	138	23.69	23.82	23.69	24.2	0.0
100	QPSK	270	0	23.70	23.87	23.83		
100	16QAM	1	1	23.72	23.73	23.79	24.2	0.0
100	8QAM	1	1	22.79	22.78	22.86	23.2	1.0
100	256QAM	1	1	20.74	20.79	20.74	21.2	3.0
	Channel			508200	518598	528996	Tune-up	MPR
	Frequency (MHz)			2641	2692.99	2744.98	limit	(dB)
50	1/2 BPS	1	1	23.84	23.99	23.97	24.2	0.0
	Channel			507204	518598	529996	Tune-up	MPR
	Frequency (MHz)			2638.02	2692.99	2744.99	limit	(dB)
80	1/2 BPS	1	1	23.81	23.79	23.72	24.2	0.0
	Channel			506202	518598	531000	Tune-up	MPR
	Frequency (MHz)			2633.01	2692.99	2755	limit	(dB)
70	1/2 BPS	1	1	23.92	23.92	23.74	24.2	0.0
	Channel			505200	518598	531996	Tune-up	MPR
	Frequency (MHz)			2626	2644	2699.98	limit	(dB)
60	1/2 BPS	1	1	23.66	23.87	23.73	24.2	0.0
	Channel			504204	518598	532998	Tune-up	MPR
	Frequency (MHz)			2621.02	2692.99	2759.99	limit	(dB)
50	1/2 BPS	1	1	23.84	23.87	23.70	24.2	0.0
	Channel			503202	518598	534000	Tune-up	MPR
	Frequency (MHz)			2616.01	2692.99	2810	limit	(dB)
40	1/2 BPS	1	1	23.89	23.82	23.70	24.2	0.0
	Channel			502200	518598	534996	Tune-up	MPR
	Frequency (MHz)			2611	2692.99	2874.98	limit	(dB)
30	1/2 BPS	1	1	23.69	23.80	23.71	24.2	0.0
	Channel			502200	518598	534996	Tune-up	MPR
	Frequency (MHz)			2603	2692.99	2974.98	limit	(dB)
25	1/2 BPS	1	1	23.63	23.87	23.78	24.2	0.0
	Channel			501204	518598	535998	Tune-up	MPR
	Frequency (MHz)			2606.02	2692.99	3074.99	limit	(dB)
20	1/2 BPS	1	1	23.66	23.78	23.75	24.2	0.0
	Channel			500700	518598	536496	Tune-up	MPR
	Frequency (MHz)			2600.5	2692.99	3169.48	limit	(dB)
15	1/2 BPS	1	1	23.62	23.84	23.71	24.2	0.0
	Channel			500202	518598	537000	Tune-up	MPR
	Frequency (MHz)			2591.01	2692.99	3265	limit	(dB)
10	1/2 BPS	1	1	23.69	23.81	23.69	24.2	0.0



n5 Ant1 DSI 8									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq. 168800	Power Middle Ch. / Freq. 167500	Power High Ch. / Freq. 167600	Tune-up limit (dBm)	MPR (dB)	
Channel				834	836.5	839			
20	1/2 BPSK	1	1	20.09	20.07	20.16			
20	1/2 BPSK	1	53	20.15	20.26	20.04		20.7	0.0
20	1/2 BPSK	1	104	20.22	20.17	20.18			
20	1/2 BPSK	50	0	20.11	20.23	20.10		20.7	0.0
20	1/2 BPSK	50	26	20.15	20.15	20.16		20.7	0.0
20	1/2 BPSK	50	56	20.08	20.21	20.07		20.7	0.0
20	1/2 BPSK	100	0	20.19	20.21	20.07		20.7	0.0
20	QPSK	1	1	20.20	20.33	20.08			
20	QPSK	1	53	19.96	20.14	20.11		20.7	0.0
20	QPSK	1	104	20.08	20.15	20.15			
20	QPSK	50	0	20.21	20.25	20.14		20.7	0.0
20	QPSK	50	26	20.21	20.30	20.14		20.7	0.0
20	QPSK	50	56	20.10	20.14	20.15		20.7	0.0
20	QPSK	100	0	20.11	20.26	20.15		20.7	0.0
20	16QAM	1	1	20.06	20.06	20.20		20.7	0.0
20	16QAM	1	1	20.28	20.09	20.21		20.7	0.0
20	256QAM	1	1	20.17	20.26	20.21		20.7	0.0
Channel				168300	167300	168300	Tune-up	MPR	
15	QPSK	1	1	20.17	20.22	20.04	limit (dB)	20.7	0.0
Channel				168800	167500	168800	Tune-up	MPR	
10	QPSK	1	1	20.16	20.32	20.03	limit (dB)	20.7	0.0
Channel				168300	167500	168300	Tune-up	MPR	
5	QPSK	1	1	20.10	20.22	20.03	limit (dB)	20.7	0.0

n7 Ant1 Other PA DSI 8									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq. 594000	Power Middle Ch. / Freq. 597000	Power High Ch. / Freq. 510000	Tune-up limit (dBm)	MPR (dB)	
Channel				2520	2535	2550			
40	1/2 BPSK	1	1	20.38	20.06	20.29		20.7	0.0
40	1/2 BPSK	1	108	20.28	20.25	20.18			
40	1/2 BPSK	1	214	20.19	20.18	20.23			
40	1/2 BPSK	108	0	20.24	20.23	20.18		20.7	0.0
40	1/2 BPSK	108	54	20.23	20.16	20.22		20.7	0.0
40	1/2 BPSK	108	108	20.19	20.30	20.16		20.7	0.0
40	1/2 BPSK	216	0	20.19	20.28	20.22		20.7	0.0
40	QPSK	1	1	20.31	20.38	20.21			
40	QPSK	1	108	20.14	20.25	20.16		20.7	0.0
40	QPSK	1	214	20.05	20.22	20.21		20.7	0.0
40	QPSK	108	0	20.15	20.16	20.12		20.7	0.0
40	QPSK	108	54	20.24	20.35	20.33		20.7	0.0
40	QPSK	108	108	20.28	20.28	20.27		20.7	0.0
40	QPSK	216	0	20.23	20.31	20.10		20.7	0.0
40	16QAM	1	1	20.08	20.28	20.28		20.7	0.0
40	16QAM	1	1	20.14	20.24	20.04		20.7	0.0
40	256QAM	1	1	20.08	20.11	20.10		20.7	0.0
Channel				593500	597000	510500	Tune-up	MPR	
35	QPSK	1	1	20.22	20.31	20.19	limit (dB)	20.7	0.0
Channel				593000	597000	511000	Tune-up	MPR	
30	QPSK	1	1	20.21	20.31	20.15	limit (dB)	20.7	0.0
Channel				592500	597000	511500	Tune-up	MPR	
25	QPSK	1	1	20.23	20.35	20.12	limit (dB)	20.7	0.0
Channel				592000	597000	512000	Tune-up	MPR	
20	QPSK	1	1	20.22	20.38	20.13	limit (dB)	20.7	0.0
Channel				591500	597000	512500	Tune-up	MPR	
15	QPSK	1	1	20.22	20.28	20.12	limit (dB)	20.7	0.0
Channel				591000	597000	513000	Tune-up	MPR	
10	QPSK	1	1	20.24	20.35	20.18	limit (dB)	20.7	0.0
Channel				590500	597000	513500	Tune-up	MPR	
5	QPSK	1	1	20.25	20.27	20.12	limit (dB)	20.7	0.0

n12 Ant1 DSI 8									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq. 141300	Power Middle Ch. / Freq. 141500	Power High Ch. / Freq. 141700	Tune-up limit (dBm)	MPR (dB)	
Channel				708.5	707.5	708.5			
15	1/2 BPSK	1	1	21.50	21.39	21.50		22.2	0.0
15	1/2 BPSK	1	40	21.59	21.55	21.45			
15	1/2 BPSK	1	77	21.50	21.54	21.52			
15	1/2 BPSK	36	0	21.53	21.54	21.43		22.2	0.0
15	1/2 BPSK	36	22	21.48	21.56	21.56		22.2	0.0
15	1/2 BPSK	36	43	21.47	21.52	21.38		22.2	0.0
15	1/2 BPSK	75	0	21.48	21.42	21.38		22.2	0.0
15	QPSK	1	1	21.58	21.60	21.55			
15	QPSK	1	40	21.39	21.50	21.50		22.2	0.0
15	QPSK	1	77	21.43	21.47	21.59		22.2	0.0
15	QPSK	36	0	21.51	21.54	21.35		22.2	0.0
15	QPSK	36	22	21.45	21.57	21.53		22.2	0.0
15	QPSK	36	43	21.50	21.49	21.50		22.2	0.0
15	QPSK	75	0	21.47	21.55	21.37		22.2	0.0
15	16QAM	1	1	21.35	21.42	21.57		22.2	0.0
15	16QAM	1	1	21.53	21.46	21.41		22.2	0.0
15	256QAM	1	1	20.36	20.37	20.35		21.2	1.0
Channel				140800	141500	142200	Tune-up	MPR	
10	QPSK	1	1	21.50	21.57	21.47	limit (dB)	22.2	0.0
Channel				140300	141500	142700	Tune-up	MPR	
5	QPSK	1	1	21.54	21.57	21.46	limit (dB)	22.2	0.0



n26 Ant1 DSI 8								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)
				164800	166300	167800		
				824	831.5	839		
20	1/2 BPSK	1	1	20.18	20.13	20.27		
20	1/2 BPSK	1	53	20.24	20.32	20.11	20.7	0.0
20	1/2 BPSK	1	104	20.26	20.27	20.22		
20	1/2 BPSK	50	0	20.13	20.29	20.21	20.7	0.0
20	1/2 BPSK	50	28	20.25	20.17	20.25	20.7	0.0
20	1/2 BPSK	50	58	20.14	20.26	20.11	20.7	0.0
20	1/2 BPSK	100	0	20.26	20.27	20.16		
20	QPSK	1	1	20.30	20.42	20.16		
20	QPSK	1	53	20.00	20.16	20.22	20.7	0.0
20	QPSK	1	104	20.19	20.24	20.18		
20	QPSK	50	0	20.30	20.27	20.18	20.7	0.0
20	QPSK	50	28	20.27	20.35	20.23	20.7	0.0
20	QPSK	50	58	20.17	20.22	20.22	20.7	0.0
20	QPSK	100	0	20.20	20.32	20.19		
20	16QAM	1	1	20.14	20.19	20.25	20.7	0.0
20	16QAM	1	1	20.37	20.15	20.31	20.7	0.0
20	256QAM	1	1	20.20	20.30	20.29	20.7	0.0
				164300	166300	168300	Tune-up	MPR
				821.5	831.5	841.5	limit	(dB)
15	QPSK	1	1	20.27	20.35	20.12	20.7	0.0
				163800	166300	168800	Tune-up	MPR
				819	831.5	844	limit	(dB)
10	QPSK	1	1	20.27	20.33	20.05	20.7	0.0
				163300	166300	169300	Tune-up	MPR
				816.5	831.5	846.5	limit	(dB)
5	QPSK	1	1	20.25	20.31	20.07	20.7	0.0

n66 Ant1 DSI 8								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)
				349000	349000	352000		
				1730	1745	1760		
40	1/2 BPSK	1	1	16.14	16.00	16.05		
40	1/2 BPSK	1	108	16.04	16.13	16.02	17.5	0.0
40	1/2 BPSK	1	214	16.20	16.08	16.07		
40	1/2 BPSK	108	0	16.08	16.20	16.08	17.5	0.0
40	1/2 BPSK	108	54	16.10	16.07	16.25	17.5	0.0
40	1/2 BPSK	108	108	16.03	16.11	16.05	17.5	0.0
40	1/2 BPSK	216	0	16.11	16.07	16.08		
40	QPSK	1	1	16.23	16.28	16.18		
40	QPSK	1	108	16.06	16.15	16.08	17.5	0.0
40	QPSK	1	214	16.07	16.12	16.22		
40	QPSK	108	0	16.06	16.14	16.08	17.5	0.0
40	QPSK	108	54	16.06	16.24	16.20	17.5	0.0
40	QPSK	108	108	16.11	16.11	16.22	17.5	0.0
40	QPSK	216	0	16.06	16.13	16.05		
40	16QAM	1	1	16.02	16.08	16.01	17.5	0.0
40	16QAM	1	1	16.22	16.04	16.05	17.5	0.0
40	256QAM	1	1	16.02	16.05	16.09	17.5	0.0
				345500	349000	352500	Tune-up	MPR
				1727.5	1745	1762.5	limit	(dB)
35	QPSK	1	1	16.21	16.20	16.03	17.5	0.0
				345000	349000	353000	Tune-up	MPR
				1725	1745	1765	limit	(dB)
30	QPSK	1	1	16.15	16.19	16.12	17.5	0.0
				344500	349000	353500	Tune-up	MPR
				1722.5	1745	1767.5	limit	(dB)
25	QPSK	1	1	16.15	16.19	16.10	17.5	0.0
				344000	349000	354000	Tune-up	MPR
				1720	1745	1770	limit	(dB)
20	QPSK	1	1	16.22	16.20	16.03	17.5	0.0
				343500	349000	354500	Tune-up	MPR
				1717.5	1745	1772.5	limit	(dB)
15	QPSK	1	1	16.15	16.17	16.15	17.5	0.0
				343000	349000	355000	Tune-up	MPR
				1715	1745	1775	limit	(dB)
10	QPSK	1	1	16.14	16.24	16.13	17.5	0.0
				342500	349000	355500	Tune-up	MPR
				1712.5	1745	1777.5	limit	(dB)
5	QPSK	1	1	16.14	16.21	16.11	17.5	0.0



Part270 n78 Ant1 Other PA DSI 8

Table with 10 columns: BW [MHz], Modulat ion, RB Size, RB Offset, Power Low Ch./ Freq., Power Middle Ch./ Freq., Power High Ch./ Freq., Tune-up limit (dBm), MPR (dB). Rows include various modulation schemes like BPSK, QPSK, 16QAM, and 256QAM across different frequency channels.

Part27Q n78 Ant1 Other PA DSI 8

Table with 10 columns: BW [MHz], Modulat ion, RB Size, RB Offset, Power Low Ch./ Freq., Power Middle Ch./ Freq., Power High Ch./ Freq., Tune-up limit (dBm), MPR (dB). Rows include various modulation schemes like BPSK, QPSK, 16QAM, and 256QAM across different frequency channels.

Part27Q n78 Ant1 Other PA DSI 8 PC2

Table with 10 columns: BW [MHz], Modulat ion, RB Size, RB Offset, Power Low Ch./ Freq., Power Middle Ch./ Freq., Power High Ch./ Freq., Tune-up limit (dBm), MPR (dB). Rows include various modulation schemes like BPSK, QPSK, 16QAM, and 256QAM across different frequency channels.



n38 Ant5 DSI 8								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 519004	Power Middle Ch. / Freq. 519000	Power High Ch. / Freq. 519996	Tune-up limit (dBm)	MPR (dB)
				2590.02	2595	2599.98		
40	1/2 BPSK	1	1	15.23	15.06	15.23	15.7	0.0
40	1/2 BPSK	1	53	15.22	15.15	15.21		
40	1/2 BPSK	1	104	15.15	15.22	15.09		
40	1/2 BPSK	50	0	15.24	15.27	15.14	15.7	0.0
40	1/2 BPSK	50	28	15.24	15.23	15.23	15.7	0.0
40	1/2 BPSK	50	56	15.26	15.21	15.10	15.7	0.0
40	1/2 BPSK	100	0	15.24	15.13	15.15	15.7	0.0
40	QPSK	1	1	15.25	15.33	15.20		
40	QPSK	1	53	15.13	15.22	15.15	15.7	0.0
40	QPSK	1	104	15.15	15.21	15.26		
40	QPSK	50	0	15.26	15.09	15.15	15.7	0.0
40	QPSK	50	28	15.20	15.20	15.19	15.7	0.0
40	QPSK	50	56	15.18	15.21	15.25	15.7	0.0
40	QPSK	100	0	15.24	15.26	15.13	15.7	0.0
40	16QAM	1	1	15.18	15.21	15.14	15.7	0.0
40	16QAM	1	1	15.13	15.16	15.19	15.7	0.0
40	256QAM	1	1	15.11	15.19	15.23	15.7	0.0
				517002	519000	520998	Tune-up limit (dB)	MPR
				2585.01	2595	2604.99	15.7	0.0
30	QPSK	1	1	15.24	15.23	15.15	15.7	0.0
				516504	519000	521496	Tune-up limit (dB)	MPR
				2592.52	2595	2607.48	15.7	0.0
25	QPSK	1	1	15.24	15.23	15.11	15.7	0.0
				516000	519000	522000	Tune-up limit (dB)	MPR
				2590	2595	2610	15.7	0.0
20	QPSK	1	1	15.23	15.21	15.12	15.7	0.0
				515502	519000	522498	Tune-up limit (dB)	MPR
				2577.51	2595	2614.49	15.7	0.0
15	QPSK	1	1	15.17	15.21	15.09	15.7	0.0
				515004	519000	522996	Tune-up limit (dB)	MPR
				2573.02	2595	2618.98	15.7	0.0
10	QPSK	1	1	15.15	15.21	15.10	15.7	0.0

n41 Ant5 DSI 8								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 509202	Power Middle Ch. / Freq. 518598	Power High Ch. / Freq. 528000	Tune-up limit (dBm)	MPR (dB)
				2546.01	2592.99	2640		
100	1/2 BPSK	1	1	15.15	14.98	15.05		
100	1/2 BPSK	1	197	15.19	15.14	15.08	15.7	0.0
100	1/2 BPSK	1	271	15.12	15.16	15.14		
100	1/2 BPSK	135	0	15.16	15.09	15.01	15.7	0.0
100	1/2 BPSK	135	69	15.07	15.17	15.09	15.7	0.0
100	1/2 BPSK	135	138	15.13	15.15	15.10	15.7	0.0
100	1/2 BPSK	270	0	15.12	15.07	15.01	15.7	0.0
100	QPSK	1	1	15.11	15.25	15.18		
100	QPSK	1	137	15.03	15.14	14.98	15.7	0.0
100	QPSK	1	271	15.07	15.13	15.17		
100	QPSK	135	0	15.14	15.06	14.97	15.7	0.0
100	QPSK	135	69	15.09	15.21	15.12	15.7	0.0
100	QPSK	135	138	15.12	15.14	15.09	15.7	0.0
100	QPSK	270	0	15.16	15.10	14.95	15.7	0.0
100	16QAM	1	1	15.09	15.08	15.09	15.7	0.0
100	16QAM	1	1	15.14	15.11	15.10	15.7	0.0
100	256QAM	1	1	15.03	15.14	15.12	15.7	0.0
				508200	518598	528996	Tune-up limit (dB)	MPR
				2541	2592.99	2644.98	15.7	0.0
50	QPSK	1	1	15.04	15.17	15.11	15.7	0.0
				507204	518598	529998	Tune-up limit (dB)	MPR
				2538.02	2592.99	2649.99	15.7	0.0
80	QPSK	1	1	15.05	15.19	15.11	15.7	0.0
				506202	518598	531000	Tune-up limit (dB)	MPR
				2531.01	2592.99	2655	15.7	0.0
70	QPSK	1	1	15.09	15.19	15.03	15.7	0.0
				505200	518598	531996	Tune-up limit (dB)	MPR
				2526	2592.99	2659.99	15.7	0.0
60	QPSK	1	1	15.06	15.19	15.15	15.7	0.0
				504204	518598	532998	Tune-up limit (dB)	MPR
				2521.02	2592.99	2664.99	15.7	0.0
50	QPSK	1	1	15.08	15.22	15.14	15.7	0.0
				503202	518598	534000	Tune-up limit (dB)	MPR
				2516.01	2592.99	2670	15.7	0.0
40	QPSK	1	1	15.03	15.20	15.16	15.7	0.0
				502200	518598	534996	Tune-up limit (dB)	MPR
				2511	2592.99	2674.98	15.7	0.0
30	QPSK	1	1	15.01	15.24	15.12	15.7	0.0
				501204	518598	535998	Tune-up limit (dB)	MPR
				2506.02	2592.99	2679.99	15.7	0.0
25	QPSK	1	1	15.04	15.15	15.09	15.7	0.0
				500200	518598	536996	Tune-up limit (dB)	MPR
				2501.01	2592.99	2684.98	15.7	0.0
20	QPSK	1	1	15.03	15.14	15.14	15.7	0.0
				500700	518598	538496	Tune-up limit (dB)	MPR
				2496.05	2592.99	2689.98	15.7	0.0
15	QPSK	1	1	15.06	15.17	15.15	15.7	0.0
				500202	518598	537000	Tune-up limit (dB)	MPR
				2491.01	2592.99	2695	15.7	0.0
10	QPSK	1	1	15.09	15.18	15.09	15.7	0.0



n2 Ant6 DSI 8								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq. 374000	Power Middle Ch. / Freq. 376000	Power High Ch. / Freq. 378000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				1870	1880	1890		
40	1/2 BPSK	1	1	20.34	20.04	20.27		
40	1/2 BPSK	1	108	20.31	20.26	20.18	19.7	0.0
40	1/2 BPSK	1	214	20.18	20.21	20.15		
40	1/2 BPSK	108	0	20.23	20.26	20.17	21.7	0.0
40	1/2 BPSK	108	54	20.16	20.20	20.32	21.7	0.0
40	1/2 BPSK	108	108	20.19	20.21	20.22	21.7	0.0
40	1/2 BPSK	216	0	20.22	20.20	20.16		
40	QPSK	1	1	20.27	20.36	20.27		
40	QPSK	1	108	20.09	20.17	20.16	21.7	0.0
40	QPSK	1	214	20.08	20.13	20.17		
40	QPSK	108	0	20.17	20.21	20.18	21.7	0.0
40	QPSK	108	54	20.23	20.32	20.27	21.7	0.0
40	QPSK	108	108	20.23	20.23	20.15	21.7	0.0
40	QPSK	216	0	20.20	20.26	20.10		
40	16QAM	1	1	20.12	20.25	20.22	21.7	0.0
40	64QAM	1	1	20.24	20.19	20.28	21.7	0.0
40	256QAM	1	1	19.91	19.98	19.93	20.7	1.0
Channel								
Frequency (MHz)				373500	376000	378500	Tune-up	MPR
35	QPSK	1	1	19.24	19.80	19.25	19.7	0.0
Channel								
Frequency (MHz)				373000	376500	379000	Tune-up	MPR
30	QPSK	1	1	20.20	20.33	20.22	21.7	0.0
Channel								
Frequency (MHz)				372500	376000	379500	Tune-up	MPR
25	QPSK	1	1	19.25	19.80	19.27	19.7	0.0
Channel								
Frequency (MHz)				372000	376500	380000	Tune-up	MPR
20	QPSK	1	1	20.25	20.23	20.17	21.7	0.0
Channel								
Frequency (MHz)				371500	376000	380500	Tune-up	MPR
15	QPSK	1	1	20.20	20.27	20.17	21.7	0.0
Channel								
Frequency (MHz)				371000	376000	381000	Tune-up	MPR
10	QPSK	1	1	20.19	20.28	20.20	21.7	0.0
Channel								
Frequency (MHz)				370500	376000	381500	Tune-up	MPR
5	QPSK	1	1	20.20	20.29	20.17	21.7	0.0

n7 Ant6 DSI 8								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq. 504000	Power Middle Ch. / Freq. 507000	Power High Ch. / Freq. 510000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				2520	2535	2550		
40	1/2 BPSK	1	1	19.02	18.97	18.91		
40	1/2 BPSK	1	108	19.05	19.03	18.97	19.7	0.0
40	1/2 BPSK	1	214	19.08	18.93	19.09		
40	1/2 BPSK	108	0	19.07	19.08	18.99	19.7	0.0
40	1/2 BPSK	108	54	19.00	19.01	19.08	19.7	0.0
40	1/2 BPSK	108	108	19.07	19.04	19.03	19.7	0.0
40	1/2 BPSK	216	0	18.97	19.03	19.02		
40	QPSK	1	1	19.01	19.17	19.02		
40	QPSK	1	108	18.99	19.03	18.87	19.7	0.0
40	QPSK	1	214	18.94	19.07	19.07		
40	QPSK	108	0	19.00	19.08	18.99	19.7	0.0
40	QPSK	108	54	19.01	19.14	18.99	19.7	0.0
40	QPSK	108	108	19.08	19.04	19.06	19.7	0.0
40	QPSK	216	0	18.98	19.05	18.85		
40	16QAM	1	1	18.86	18.92	19.00	19.7	0.0
40	64QAM	1	1	19.07	18.97	19.01	19.7	0.0
40	256QAM	1	1	18.88	19.06	18.85	19.7	0.0
Channel								
Frequency (MHz)				503500	507000	510500	Tune-up	MPR
35	QPSK	1	1	19.34	19.13	18.99	19.7	0.0
Channel								
Frequency (MHz)				503000	507000	511000	Tune-up	MPR
30	QPSK	1	1	20.16	20.35	20.25	19.7	0.0
Channel								
Frequency (MHz)				502500	507000	511500	Tune-up	MPR
25	QPSK	1	1	19.35	19.11	18.97	19.7	0.0
Channel								
Frequency (MHz)				502000	507000	512000	Tune-up	MPR
20	QPSK	1	1	20.10	20.36	20.20	19.7	0.0
Channel								
Frequency (MHz)				501500	507000	512500	Tune-up	MPR
15	QPSK	1	1	19.38	19.14	18.99	19.7	0.0
Channel								
Frequency (MHz)				501000	507000	513000	Tune-up	MPR
10	QPSK	1	1	18.97	19.12	18.97	19.7	0.0
Channel								
Frequency (MHz)				500500	507000	513500	Tune-up	MPR
5	QPSK	1	1	18.91	19.11	19.00	19.7	0.0

n66 Ant6 DSI 8								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq. 346000	Power Middle Ch. / Freq. 349000	Power High Ch. / Freq. 352000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				1730	1745	1760		
40	1/2 BPSK	1	1	18.25	18.07	18.23		
40	1/2 BPSK	1	108	18.28	18.26	18.19	19.7	0.0
40	1/2 BPSK	1	214	18.29	18.15	18.21		
40	1/2 BPSK	108	0	18.20	18.27	18.20	19.7	0.0
40	1/2 BPSK	108	54	18.20	18.20	18.23	19.7	0.0
40	1/2 BPSK	108	108	18.22	18.23	18.15	19.7	0.0
40	1/2 BPSK	216	0	18.18	18.11	18.10		
40	QPSK	1	1	18.28	18.36	18.22		
40	QPSK	1	108	18.19	18.17	18.13	19.7	0.0
40	QPSK	1	214	18.07	18.18	18.33		
40	QPSK	108	0	18.18	18.23	18.08	19.7	0.0
40	QPSK	108	54	18.25	18.32	18.22	19.7	0.0
40	QPSK	108	108	18.19	18.22	18.28	19.7	0.0
40	QPSK	216	0	18.11	18.28	18.16		
40	16QAM	1	1	18.08	18.18	18.27	19.7	0.0
40	64QAM	1	1	18.25	18.08	18.20	19.7	0.0
40	256QAM	1	1	18.05	18.26	18.16	19.7	0.0
Channel								
Frequency (MHz)				345500	349000	352500	Tune-up	MPR
35	QPSK	1	1	18.18	18.31	18.16	19.7	0.0
Channel								
Frequency (MHz)				345000	349000	353000	Tune-up	MPR
30	QPSK	1	1	18.25	17.45	17.65	19.7	0.0
Channel								
Frequency (MHz)				344500	349000	353500	Tune-up	MPR
25	QPSK	1	1	18.23	17.45	17.65	19.7	0.0
Channel								
Frequency (MHz)				344000	349000	354000	Tune-up	MPR
20	QPSK	1	1	18.24	18.28	18.12	19.7	0.0
Channel								
Frequency (MHz)				343500	349000	354500	Tune-up	MPR
15	QPSK	1	1	18.22	18.29	18.12	19.7	0.0
Channel								
Frequency (MHz)				343000	349000	355000	Tune-up	MPR
10	QPSK	1	1	18.24	18.25	18.21	19.7	0.0
Channel								
Frequency (MHz)				342500	349000	355500	Tune-up	MPR
5	QPSK	1	1	18.24	18.34	18.13	19.7	0.0



Part270 n78 Ant6 DSI 8 PC2

BW [MHz]	Modulat ion	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)								
100	1/2 BPSK	1	1	21.83				23.5 0.0
100	1/2 BPSK	1	137	21.85				
100	1/2 BPSK	1	271	21.87				
100	1/2 BPSK	135	0	21.92				
100	1/2 BPSK	135	69	21.85				
100	1/2 BPSK	135	138	21.83				
100	1/2 BPSK	270	0	21.96				
100	QPSK	1	1	22.16				
100	QPSK	1	137	21.93				
100	QPSK	1	271	21.90				
100	QPSK	135	0	21.74				
100	QPSK	135	69	22.10				
100	QPSK	135	138	21.92				
100	QPSK	270	0	22.04				
100	16QAM	1	1	22.01				
100	16QAM	1	1	21.92				
100	256QAM	1	1	21.81				
Channel								
Frequency (MHz)								
90	QPSK	1	1	64968	65000	65034		
Channel								
Frequency (MHz)								
80	QPSK	1	1	64934	65000	65068		
Channel								
Frequency (MHz)								
70	QPSK	1	1	64900	65000	65100		
Channel								
Frequency (MHz)								
60	QPSK	1	1	64868	65000	65134		
Channel								
Frequency (MHz)								
50	QPSK	1	1	64834	65000	65168		
Channel								
Frequency (MHz)								
40	QPSK	1	1	64800	65000	65202		
Channel								
Frequency (MHz)								
30	QPSK	1	1	64768	65000	65236		
Channel								
Frequency (MHz)								
25	QPSK	1	1	64734	65000	65270		
Channel								
Frequency (MHz)								
20	QPSK	1	1	64700	65000	65304		
Channel								
Frequency (MHz)								
15	QPSK	1	1	64668	65000	65338		
Channel								
Frequency (MHz)								
10	QPSK	1	1	64634	65000	65372		

Part27Q n78 Ant6 DSI 8

BW [MHz]	Modulat ion	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)								
100	1/2 BPSK	1	1	3500.01				20.5 0.0
100	1/2 BPSK	1	137	18.83				
100	1/2 BPSK	1	271	18.82				
100	1/2 BPSK	135	0	19.10				
100	1/2 BPSK	135	69	19.20				
100	1/2 BPSK	135	138	19.04				
100	1/2 BPSK	270	0	18.82				
100	QPSK	1	1	19.23				
100	QPSK	1	137	18.88				
100	QPSK	1	271	18.55				
100	QPSK	135	0	18.25				
100	QPSK	135	69	19.11				
100	QPSK	135	138	18.88				
100	QPSK	270	0	19.02				
100	16QAM	1	1	18.86				
100	16QAM	1	1	19.07				
100	256QAM	1	1	19.01				
Channel								
Frequency (MHz)								
90	QPSK	1	1	63300	63334	63368		
Channel								
Frequency (MHz)								
80	QPSK	1	1	63268	63334	63402		
Channel								
Frequency (MHz)								
70	QPSK	1	1	63234	63334	63436		
Channel								
Frequency (MHz)								
60	QPSK	1	1	63200	63334	63470		
Channel								
Frequency (MHz)								
50	QPSK	1	1	63168	63334	63504		
Channel								
Frequency (MHz)								
40	QPSK	1	1	63134	63334	63538		
Channel								
Frequency (MHz)								
30	QPSK	1	1	63100	63334	63572		
Channel								
Frequency (MHz)								
25	QPSK	1	1	63068	63334	63606		
Channel								
Frequency (MHz)								
20	QPSK	1	1	63034	63334	63640		
Channel								
Frequency (MHz)								
15	QPSK	1	1	63000	63334	63674		
Channel								
Frequency (MHz)								
10	QPSK	1	1	62968	63334	63708		

Part27Q n78 Ant6 DSI 8 PC2

BW [MHz]	Modulat ion	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)								
100	1/2 BPSK	1	1	3500.01				23.5 0.0
100	1/2 BPSK	1	137	21.93				
100	1/2 BPSK	1	271	21.87				
100	1/2 BPSK	135	0	21.79				
100	1/2 BPSK	135	69	21.96				
100	1/2 BPSK	135	138	22.04				
100	1/2 BPSK	270	0	21.97				
100	QPSK	1	1	22.16				
100	QPSK	1	137	21.85				
100	QPSK	1	271	21.89				
100	QPSK	135	0	21.86				
100	QPSK	135	69	22.11				
100	QPSK	135	138	21.94				
100	QPSK	270	0	22.04				
100	16QAM	1	1	21.86				
100	16QAM	1	1	22.09				
100	256QAM	1	1	21.90				
Channel								
Frequency (MHz)								
90	QPSK	1	1	63300	63334	63368		
Channel								
Frequency (MHz)								
80	QPSK	1	1	63268	63334	63402		
Channel								
Frequency (MHz)								
70	QPSK	1	1	63234	63334	63436		
Channel								
Frequency (MHz)								
60	QPSK	1	1	63200	63334	63470		
Channel								
Frequency (MHz)								
50	QPSK	1	1	63168	63334	63504		
Channel								
Frequency (MHz)								
40	QPSK	1	1	63134	63334	63538		
Channel								
Frequency (MHz)								
30	QPSK	1	1	63100	63334	63572		
Channel								
Frequency (MHz)								
25	QPSK	1	1	63068	63334	63606		
Channel								
Frequency (MHz)								
20	QPSK	1	1	63034	63334	63640		
Channel								
Frequency (MHz)								
15	QPSK	1	1	63000	63334	63674		
Channel								
Frequency (MHz)								
10	QPSK	1	1	62968	63334	63708		



Part27Q n77 Ant7 DSI 8 PC2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
3500.01								
100	1/2 BPSK	1	1	17.82				
100	1/2 BPSK	1	137	17.89			19.0	0.0
100	1/2 BPSK	1	271	17.95				
100	1/2 BPSK	135	0	17.98			19.0	0.0
100	1/2 BPSK	135	69	17.85			19.0	0.0
100	1/2 BPSK	135	138	17.89			19.0	0.0
100	1/2 BPSK	270	0	17.91			19.0	0.0
100	QPSK	1	1	18.01				
100	QPSK	1	137	17.85			19.0	0.0
100	QPSK	1	271	17.90			19.0	0.0
100	QPSK	135	0	17.89			19.0	0.0
100	QPSK	135	69	17.96			19.0	0.0
100	QPSK	135	138	17.86			19.0	0.0
100	QPSK	270	0	17.95			19.0	0.0
100	16QAM	1	1	17.92			19.0	0.0
100	64QAM	1	1	17.83			19.0	0.0
100	256QAM	1	1	17.95			19.0	0.0
Channel								
Frequency (MHz)								
63300								
3500.01								
90	QPSK	1	1	17.97	17.90	17.95	19.0	0.0
Channel								
Frequency (MHz)								
63268								
3500.01								
80	QPSK	1	1	17.97	17.95	17.93	19.0	0.0
Channel								
Frequency (MHz)								
63234								
3500.01								
70	QPSK	1	1	17.94	17.92	17.92	19.0	0.0
Channel								
Frequency (MHz)								
63200								
3500.01								
60	QPSK	1	1	17.98	17.94	17.95	19.0	0.0
Channel								
Frequency (MHz)								
63168								
3500.01								
50	QPSK	1	1	17.91	17.93	17.98	19.0	0.0
Channel								
Frequency (MHz)								
63134								
3500.01								
40	QPSK	1	1	17.97	17.95	17.96	19.0	0.0
Channel								
Frequency (MHz)								
63100								
3500.01								
30	QPSK	1	1	17.97	17.97	17.95	19.0	0.0
Channel								
Frequency (MHz)								
63084								
3500.01								
25	QPSK	1	1	17.92	17.95	17.97	19.0	0.0
Channel								
Frequency (MHz)								
63068								
3500.01								
20	QPSK	1	1	17.93	17.94	18.00	19.0	0.0
Channel								
Frequency (MHz)								
63050								
3500.01								
15	QPSK	1	1	17.90	17.96	17.95	19.0	0.0
Channel								
Frequency (MHz)								
63034								
3500.01								
10	QPSK	1	1	17.95	17.93	17.98	19.0	0.0

Part27O n78 Ant7 DSI 8								
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								
100	1/2 BPSK	1	1	15.56				
100	1/2 BPSK	1	137	15.59			16.5	0.0
100	1/2 BPSK	1	271	15.54				
100	1/2 BPSK	135	0	15.68			16.5	0.0
100	1/2 BPSK	135	69	15.55			16.5	0.0
100	1/2 BPSK	135	138	15.63			16.5	0.0
100	1/2 BPSK	270	0	15.63			16.5	0.0
100	QPSK	1	1	15.74				
100	QPSK	1	137	15.64			16.5	0.0
100	QPSK	1	271	15.65			16.5	0.0
100	QPSK	135	0	15.68			16.5	0.0
100	QPSK	135	69	15.71			16.5	0.0
100	QPSK	135	138	15.68			16.5	0.0
100	QPSK	270	0	15.63			16.5	0.0
100	16QAM	1	1	15.68			16.5	0.0
100	64QAM	1	1	15.54			16.5	0.0
100	256QAM	1	1	15.60			16.5	0.0
Channel								
Frequency (MHz)								
64968								
65000								
65034								
Tune-up								
MPR								
3745.02								
3750								
3750.01								
90	QPSK	1	1	15.72	15.72	15.69	16.5	0.0
Channel								
Frequency (MHz)								
64934								
65000								
65068								
Tune-up								
MPR								
3740.01								
3750								
3750.02								
80	QPSK	1	1	15.63	15.66	15.63	16.5	0.0
Channel								
Frequency (MHz)								
64900								
65000								
65100								
Tune-up								
MPR								
3735								
3750								
3750								
70	QPSK	1	1	15.73	15.64	15.64	16.5	0.0
Channel								
Frequency (MHz)								
64868								
65000								
65134								
Tune-up								
MPR								
3730.02								
3750								
3750.01								
60	QPSK	1	1	15.73	15.70	15.72	16.5	0.0
Channel								
Frequency (MHz)								
64834								
65000								
65168								
Tune-up								
MPR								
3725.01								
3750								
3750.02								
50	QPSK	1	1	15.71	15.73	15.68	16.5	0.0
Channel								
Frequency (MHz)								
64800								
65000								
65200								
Tune-up								
MPR								
3720								
3750								
3750								
40	QPSK	1	1	15.67	15.64	15.73	16.5	0.0
Channel								
Frequency (MHz)								
64768								
65000								
65234								
Tune-up								
MPR								
3715.02								
3750								
3750.01								
30	QPSK	1	1	15.65	15.63	15.70	16.5	0.0
Channel								
Frequency (MHz)								
64750								
65000								
65250								
Tune-up								
MPR								
3712.5								
3750								
3750.5								
25	QPSK	1	1	15.69	15.64	15.64	16.5	0.0
Channel								
Frequency (MHz)								
64734								
65000								
65268								
Tune-up								
MPR								
3710.01								
3750								
3750.02								
20	QPSK	1	1	15.73	15.69	15.68	16.5	0.0
Channel								
Frequency (MHz)								
64718								
65000								
65284								
Tune-up								
MPR								
3707.5								
3750								
3750.51								
15	QPSK	1	1	15.66	15.66	15.68	16.5	0.0
Channel								
Frequency (MHz)								
64700								
65000								
65300								
Tune-up								
MPR								
3705								
3750								
3750								
10	QPSK	1	1	15.71	15.66	15.71	16.5	0.0

Part27O n78 Ant7 DSI 8 PC2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
3750								
100	1/2 BPSK	1	1	18.19				
100	1/2 BPSK	1	137	18.29			19.5	0.0
100	1/2 BPSK	1	271	18.27				
100	1/2 BPSK	135	0	18.36			19.5	0.0
100	1/2 BPSK	135	69	18.20			19.5	0.0
100	1/2 BPSK	135	138	18.32			19.5	0.0
100	1/2 BPSK	270	0	18.25			19.5	0.0
100	QPSK	1	1	18.38				
100	QPSK	1	137	18.23			19.5	0.0
100	QPSK	1	271	18.35			19.5	0.0
100	QPSK	135	0	18.35			19.5	0.0
100	QPSK	135	69	18.38			19.5	0.0
100	QPSK	135	138	18.32			19.5	0.0
100	QPSK	270	0	18.31			19.5	0.0
100	16QAM	1	1	18.34			19.5	0.0
100	64QAM	1	1	18.26			19.5	0.0
100	256QAM	1	1	18.33			19.5	0.0
Channel								
Frequency (MHz)								
64968								
65000								
65034								
Tune-up								
MPR								
3745.02								
3750								
3750.01								
90	QPSK	1	1	18.34	18.30	18.29	19.5	0.0
Channel								
Frequency (MHz)								
64934								
65000								
65068								
Tune-up								
MPR								
3740.01								
3750								
3750.02								
80	QPSK	1	1	18.32	18.32	18.38	19.5	0.0
Channel								
Frequency (MHz)								
64900								
65000								
65100								
Tune-up								
MPR								
3735								
3750								
3750								
70	QPSK	1	1	18.32	18.34	18.35	19.5	0.0
Channel								
Frequency (MHz)								
64868								
65000								
65134								
Tune-up								
MPR								
3730.02								
3750								
3750.01								
60	QPSK	1	1	18.34	18.27	18.38	19.5	0.0
Channel								
Frequency (MHz)								
64834								
65000								
65168								
Tune-up								
MPR								
3725.01								
3750								
3750.02								
50	QPSK	1	1	18.29	18.30	18.37	19.5	0.0
Channel								
Frequency (MHz)								
64800								
65000								
65200								
Tune-up								
MPR								
3720								
3750								
3750								
40	QPSK	1	1	18.35	18.29	18.28	19.5	0.0
Channel								
Frequency (MHz)								
64768								
65000								
65234								
Tune-up								
MPR								
3715.02								
3750								
3750.01								
30	QPSK	1	1	18.33	18.30	18.29	19.5	0.0
Channel								
Frequency (MHz)								
64750								
65000								
65250								
Tune-up								
MPR								
3712.5								
3750								
3750.5								
25	QPSK	1	1	18.33	18.31	18.28	19.5	0.0
Channel								
Frequency (MHz)								
64734								
65000								
65268								
Tune-up								
MPR								
3710.01								
3750								
3750.02								
20	QPSK	1	1	18.32	18.33	18.37	19.5	0.0
Channel								
Frequency (MHz)								
64718								
65000								
65284								
Tune-up								
MPR								
3707.5								
3750								
3750.51								
15	QPSK	1	1	18.33	18.29	18.33	19.5	0.0
Channel								
Frequency (MHz)								
64700								
65000								
65300								
Tune-up								
MPR								
3705								
3750								
3750								
10	QPSK	1	1	18.32	18.33	18.30	19.5	0.0



Part27Q n78 Ant7 DSI 8

BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel 63334								
Frequency (MHz) 3500.01								
100	1/2 BPSK	1	1	15.59				
100	1/2 BPSK	1	137	15.77			16.5	0.0
100	1/2 BPSK	1	271	15.77				
100	1/2 BPSK	135	0	15.75			16.5	0.0
100	1/2 BPSK	135	69	15.70			16.5	0.0
100	1/2 BPSK	135	138	15.73			16.5	0.0
100	1/2 BPSK	270	0	15.62			16.5	0.0
100	QPSK	1	1	15.81				
100	QPSK	1	137	15.73			16.5	0.0
100	QPSK	1	271	15.69				
100	QPSK	135	0	15.71			16.5	0.0
100	QPSK	135	69	15.77			16.5	0.0
100	QPSK	135	138	15.66			16.5	0.0
100	QPSK	270	0	15.64			16.5	0.0
100	16QAM	1	1	15.68			16.5	0.0
100	16QAM	1	1	15.67			16.5	0.0
100	256QAM	1	1	15.71			16.5	0.0
Channel 63300								
Frequency (MHz) 3495								
90	QPSK	1	1	15.80	15.75	15.77	16.5	0.0
Channel 63268								
Frequency (MHz) 3490.02								
80	QPSK	1	1	15.74	15.20	15.75	16.5	0.0
Channel 63234								
Frequency (MHz) 3485.01								
70	QPSK	1	1	15.74	15.75	15.71	16.5	0.0
Channel 63200								
Frequency (MHz) 3480								
60	QPSK	1	1	15.75	15.73	15.71	16.5	0.0
Channel 63168								
Frequency (MHz) 3475.02								
50	QPSK	1	1	15.73	15.73	15.80	16.5	0.0
Channel 63134								
Frequency (MHz) 3470.01								
40	QPSK	1	1	15.72	15.76	15.77	16.5	0.0
Channel 63100								
Frequency (MHz) 3465								
30	QPSK	1	1	15.70	15.73	15.75	16.5	0.0
Channel 63068								
Frequency (MHz) 3460.03								
25	QPSK	1	1	15.74	15.72	15.75	16.5	0.0
Channel 63034								
Frequency (MHz) 3455.01								
20	QPSK	1	1	15.77	15.73	15.76	16.5	0.0
Channel 63000								
Frequency (MHz) 3450.03								
15	QPSK	1	1	15.74	15.76	15.76	16.5	0.0
Channel 63034								
Frequency (MHz) 3455.01								
10	QPSK	1	1	15.75	15.72	15.79	16.5	0.0

Part27Q n78 Ant7 DSI 8 PC2

BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel 63334								
Frequency (MHz) 3500.01								
100	1/2 BPSK	1	1	18.34				
100	1/2 BPSK	1	137	18.44			19.5	0.0
100	1/2 BPSK	1	271	18.41				
100	1/2 BPSK	135	0	18.47			19.5	0.0
100	1/2 BPSK	135	69	18.42			19.5	0.0
100	1/2 BPSK	135	138	18.47			19.5	0.0
100	1/2 BPSK	270	0	18.35			19.5	0.0
100	QPSK	1	1	18.53				
100	QPSK	1	137	18.36			19.5	0.0
100	QPSK	1	271	18.40				
100	QPSK	135	0	18.37			19.5	0.0
100	QPSK	135	69	18.48			19.5	0.0
100	QPSK	135	138	18.36			19.5	0.0
100	QPSK	270	0	18.44			19.5	0.0
100	16QAM	1	1	18.37			19.5	0.0
100	16QAM	1	1	18.34			19.5	0.0
100	256QAM	1	1	18.42			19.5	0.0
Channel 63300								
Frequency (MHz) 3495								
90	QPSK	1	1	18.48	18.51	18.50	19.5	0.0
Channel 63268								
Frequency (MHz) 3490.02								
80	QPSK	1	1	18.51	18.43	18.50	19.5	0.0
Channel 63234								
Frequency (MHz) 3485.01								
70	QPSK	1	1	18.43	18.50	18.47	19.5	0.0
Channel 63200								
Frequency (MHz) 3480								
60	QPSK	1	1	18.45	18.49	18.45	19.5	0.0
Channel 63168								
Frequency (MHz) 3475.02								
50	QPSK	1	1	18.45	18.51	18.47	19.5	0.0
Channel 63134								
Frequency (MHz) 3470.01								
40	QPSK	1	1	18.43	18.46	18.49	19.5	0.0
Channel 63100								
Frequency (MHz) 3465								
30	QPSK	1	1	18.47	18.51	18.51	19.5	0.0
Channel 63068								
Frequency (MHz) 3460.03								
25	QPSK	1	1	18.44	18.49	18.44	19.5	0.0
Channel 63034								
Frequency (MHz) 3455.01								
20	QPSK	1	1	18.47	18.42	18.49	19.5	0.0
Channel 63000								
Frequency (MHz) 3450.03								
15	QPSK	1	1	18.44	18.50	18.44	19.5	0.0
Channel 63034								
Frequency (MHz) 3455.01								
10	QPSK	1	1	18.43	18.49	18.51	19.5	0.0



Part96 n48 Ant8 DSI 8

RBW [MHz]	Modulat ion	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)				3570	3624.99	3679.98		
40	1/2 BPSK	1	1	12.08	11.90	12.10		
40	1/2 BPSK	1	53	12.10	12.09	11.99	13.5	0.0
40	1/2 BPSK	1	104	12.06	12.10	12.14		
40	1/2 BPSK	50	0	12.13	12.20	12.12	13.5	0.0
40	1/2 BPSK	50	28	12.04	12.10	12.13	13.5	0.0
40	1/2 BPSK	50	56	12.12	12.14	12.08	13.5	0.0
40	1/2 BPSK	100	0	12.11	12.09	12.13		
40	QPSK	1	1	12.13	12.23	12.06		
40	QPSK	1	53	11.92	12.04	12.12	13.5	0.0
40	QPSK	1	104	12.07	12.08	12.13		
40	QPSK	50	0	12.08	12.10	12.13	13.5	0.0
40	QPSK	50	28	12.07	12.20	12.10	13.5	0.0
40	QPSK	50	56	12.13	12.11	12.15	13.5	0.0
40	QPSK	100	0	12.10	12.15	12.06		
40	16QAM	1	1	12.00	12.11	12.09	13.8	0.0
40	16QAM	1	1	12.02	12.01	12.14	13.5	0.0
40	256QAM	1	1	12.16	12.19	12.07	13.5	0.0
Channel								
Frequency (MHz)				637688	641666	645666	Tune-up	MPR
Channel				635902	628249	638193	limit	(dB)
30	QPSK	1	1	12.04	12.17	12.00	13.5	0.0
Channel								
Frequency (MHz)				637334	641666	646000	Tune-up	MPR
Channel				635001	628249	639000	limit	(dB)
20	QPSK	1	1	12.03	12.13	12.02	13.5	0.0
Channel								
Frequency (MHz)				637168	641666	646166	Tune-up	MPR
Channel				635752	628249	639249	limit	(dB)
15	QPSK	1	1	12.11	12.19	11.95	13.5	0.0
Channel								
Frequency (MHz)				637000	641666	646332	Tune-up	MPR
Channel				635000	628249	639400	limit	(dB)
10	QPSK	1	1	12.03	12.13	11.99	13.5	0.0

Part270 n77 Ant8 Other PA DSI 8

RBW [MHz]	Modulat ion	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	1/2 BPSK	1	1	14.46	14.34	14.36	16.0	0.0
100	1/2 BPSK	1	137	14.40	14.40	14.32	16.0	0.0
100	1/2 BPSK	1	274	14.37	14.37	14.42		
100	1/2 BPSK	135	0	14.48	14.36	14.37	16.0	0.0
100	1/2 BPSK	135	69	14.35	14.34	14.42	16.0	0.0
100	1/2 BPSK	135	138	14.37	14.40	14.37	16.0	0.0
100	1/2 BPSK	270	0	14.42	14.41	14.34	16.0	0.0
100	QPSK	1	1	14.45	14.51	14.41		
100	QPSK	1	137	14.28	14.38	14.34	16.0	0.0
100	QPSK	1	274	14.41	14.40	14.37		
100	QPSK	135	0	14.40	14.36	14.37	16.0	0.0
100	QPSK	135	69	14.40	14.48	14.41	16.0	0.0
100	QPSK	135	138	14.33	14.36	14.40	16.0	0.0
100	QPSK	270	0	14.43	14.46	14.37	16.0	0.0
100	16QAM	1	1	14.26	14.44	14.47	16.0	0.0
100	16QAM	1	1	14.41	14.35	14.44	16.0	0.0
100	256QAM	1	1	14.36	14.47	14.34	16.0	0.0
Channel								
Frequency (MHz)				648668	656000	662334	Tune-up	MPR
Channel				647102	645000	650501	limit	(dB)
90	QPSK	1	1	14.39	14.47	14.34	16.0	0.0
Channel								
Frequency (MHz)				648334	656000	662668	Tune-up	MPR
Channel				647001	645000	650002	limit	(dB)
80	QPSK	1	1	14.41	14.43	14.32	16.0	0.0
Channel								
Frequency (MHz)				648000	656000	663000	Tune-up	MPR
Channel				647000	645000	650000	limit	(dB)
70	QPSK	1	1	14.35	14.45	14.32	16.0	0.0
Channel								
Frequency (MHz)				648668	656000	663334	Tune-up	MPR
Channel				647202	644900	650001	limit	(dB)
80	QPSK	1	1	14.42	14.47	14.39	16.0	0.0
Channel								
Frequency (MHz)				648334	656000	663668	Tune-up	MPR
Channel				647300	644900	650502	limit	(dB)
50	QPSK	1	1	14.36	14.41	14.34	16.0	0.0
Channel								
Frequency (MHz)				648000	656000	664000	Tune-up	MPR
Channel				647200	644900	650000	limit	(dB)
40	QPSK	1	1	14.35	14.49	14.30	16.0	0.0
Channel								
Frequency (MHz)				647668	656000	664334	Tune-up	MPR
Channel				647500	644900	650501	limit	(dB)
30	QPSK	1	1	14.40	14.45	14.40	16.0	0.0
Channel								
Frequency (MHz)				647500	656000	664500	Tune-up	MPR
Channel				647300	644900	650700	limit	(dB)
25	QPSK	1	1	14.42	14.44	14.32	16.0	0.0
Channel								
Frequency (MHz)				647334	656000	664668	Tune-up	MPR
Channel				647101	644900	650000	limit	(dB)
20	QPSK	1	1	14.43	14.43	14.30	16.0	0.0
Channel								
Frequency (MHz)				647168	656000	664834	Tune-up	MPR
Channel				647000	644900	650701	limit	(dB)
15	QPSK	1	1	14.42	14.44	14.33	16.0	0.0
Channel								
Frequency (MHz)				647000	656000	665000	Tune-up	MPR
Channel				647000	644900	650700	limit	(dB)
10	QPSK	1	1	14.42	14.44	14.40	16.0	0.0

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RBW [MHz]	Modulat ion	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	1/2 BPSK	1	1	16.90	16.89	16.91	18.0	0.0
100	1/2 BPSK	1	137	16.90	16.89	16.88	18.0	0.0
100	1/2 BPSK	1	274	16.93	16.92	16.88		
100	1/2 BPSK	135	0	16.90	16.89	16.83	18.0	0.0
100	1/2 BPSK	135	69	16.94	16.87	16.97	18.0	0.0
100	1/2 BPSK	135	138	16.93	16.95	16.81	18.0	0.0
100	1/2 BPSK	270	0	16.92	16.86	16.80	18.0	0.0
100	QPSK	1	1	17.01	17.04	16.94		
100	QPSK	1	137	16.94	16.82	16.88	18.0	0.0
100	QPSK	1	274	16.95	16.94	16.98		
100	QPSK	135	0	16.91	16.91	16.87	18.0	0.0
100	QPSK	135	69	16.92	17.01	16.92	18.0	0.0
100	QPSK	135	138	16.98	16.86	16.99	18.0	0.0
100	QPSK	270	0	16.99	16.97	16.95	18.0	0.0
100	16QAM	1	1	16.85	16.97	16.92	18.0	0.0
100	16QAM	1	1	16.89	16.84	16.84	18.0	0.0
100	256QAM	1	1	16.95	16.84	16.97	18.0	0.0
Channel								
Frequency (MHz)				648668	656000	662334	Tune-up	MPR
Channel				647402	644900	650501	limit	(dB)
90	QPSK	1	1	16.97	17.02	16.95	18.0	0.0
Channel								
Frequency (MHz)				648334	656000	662668	Tune-up	MPR
Channel				647401	644900	650402	limit	(dB)
80	QPSK	1	1	16.90	16.99	16.89	18.0	0.0
Channel								
Frequency (MHz)				648000	656000	663000	Tune-up	MPR
Channel				647400	644900	650000	limit	(dB)
70	QPSK	1	1	16.90	17.02	16.94	18.0	0.0
Channel								
Frequency (MHz)				648668	656000	663334	Tune-up	MPR
Channel				647500	644900	650001	limit	(dB)
80	QPSK	1	1	16.93	16.95	16.91	18.0	0.0
Channel								
Frequency (MHz)				648334	656000	663668	Tune-up	MPR
Channel				647500	644900	650502	limit	(dB)
50	QPSK	1	1	16.93	17.02	16.91	18.0	0.0
Channel								
Frequency (MHz)				648000	656000	664000	Tune-up	MPR
Channel				647500	644900	650000	limit	(dB)
40	QPSK	1	1	16.99	17.00	16.89	18.0	0.0
Channel								
Frequency (MHz)				647668	656000	664334	Tune-up	MPR
Channel				647500	644900	650501	limit	(dB)
30	QPSK	1	1	16.91	16.95	16.87	18.0	0.0
Channel								
Frequency (MHz)				647500	656000	664500	Tune-up	MPR
Channel				647400	644900	650700	limit	(dB)
25	QPSK	1	1	16.96	16.97	16.83	18.0	0.0
Channel								
Frequency (MHz)				647334	656000	664668	Tune-up	MPR
Channel				647401	644900	650000	limit	(dB)
20	QPSK	1	1	16.91	17.01	16.92	18.0	0.0
Channel								
Frequency (MHz)				647168	656000	664834	Tune-up	MPR
Channel				647500	644900	650701	limit	(dB)
15	QPSK	1	1	17.00	16.98	16.93	18.0	0.0
Channel								
Frequency (MHz)				647000	656000	665000	Tune-up	MPR
Channel				647500	644900	650700	limit	(dB)
10	QPSK	1	1	17.00	17.01	16.88	18.0	0.0

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RBW [MHz]	Modulat ion	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)				3500.01				
100	1/2 BPSK	1	1	14.15		14.15	16.0	0.0
100	1/2 BPSK	1						



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BW [MHz]	Modulat ion	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)				3500.01				
100	1/2 BPSK	1	1	17.28	17.28	17.28	19.0	0.0
100	1/2 BPSK	1	137	17.49	17.49	17.49	19.0	0.0
100	1/2 BPSK	1	271	17.37	17.37	17.37	19.0	0.0
100	1/2 BPSK	135	0	17.40	17.40	17.40	19.0	0.0
100	1/2 BPSK	135	69	17.41	17.41	17.41	19.0	0.0
100	1/2 BPSK	135	138	17.47	17.47	17.47	19.0	0.0
100	1/2 BPSK	270	0	17.38	17.38	17.38	19.0	0.0
100	QPSK	1	1	17.59	17.59	17.59	19.0	0.0
100	QPSK	1	137	17.45	17.45	17.45	19.0	0.0
100	QPSK	1	271	17.40	17.40	17.40	19.0	0.0
100	QPSK	135	0	17.42	17.42	17.42	19.0	0.0
100	QPSK	135	69	17.53	17.53	17.53	19.0	0.0
100	QPSK	135	138	17.37	17.37	17.37	19.0	0.0
100	QPSK	270	0	17.46	17.46	17.46	19.0	0.0
100	16QAM	1	1	17.38	17.38	17.38	19.0	0.0
100	64QAM	1	1	17.37	17.37	17.37	19.0	0.0
100	256QAM	1	1	17.42	17.42	17.42	19.0	0.0
Channel								
Frequency (MHz)				633000	633334	633668	Tune-up	MPR
3495				3501.01	3503.02	3505.03	limit	(dB)
90	QPSK	1	1	17.56	17.53	17.49	19.0	0.0
Channel								
Frequency (MHz)				632668	633334	634000	Tune-up	MPR
3492.02				3500.01	3510.01	3510.01	limit	(dB)
80	QPSK	1	1	17.51	17.51	17.55	19.0	0.0
Channel								
Frequency (MHz)				632334	633334	634334	Tune-up	MPR
3492.01				3500.01	3513.01	3513.01	limit	(dB)
70	QPSK	1	1	17.57	17.51	17.53	19.0	0.0
Channel								
Frequency (MHz)				632000	633334	634668	Tune-up	MPR
3490				3501.01	3501.02	3501.02	limit	(dB)
60	QPSK	1	1	17.55	17.55	17.49	19.0	0.0
Channel								
Frequency (MHz)				631668	633334	635000	Tune-up	MPR
3487.02				3501.01	3505.01	3505.01	limit	(dB)
50	QPSK	1	1	17.57	17.49	17.48	19.0	0.0
Channel								
Frequency (MHz)				631334	633334	635334	Tune-up	MPR
3483.01				3501.01	3501.01	3501.01	limit	(dB)
40	QPSK	1	1	17.52	17.52	17.49	19.0	0.0
Channel								
Frequency (MHz)				631000	633334	635668	Tune-up	MPR
3480				3501.01	3503.01	3503.01	limit	(dB)
30	QPSK	1	1	17.50	17.49	17.52	19.0	0.0
Channel								
Frequency (MHz)				630834	633334	635834	Tune-up	MPR
3478.01				3501.01	3503.01	3503.01	limit	(dB)
25	QPSK	1	1	17.50	17.56	17.55	19.0	0.0
Channel								
Frequency (MHz)				630668	633334	636000	Tune-up	MPR
3476.00				3501.01	3501.01	3501.01	limit	(dB)
20	QPSK	1	1	17.49	17.50	17.55	19.0	0.0
Channel								
Frequency (MHz)				630500	633334	636168	Tune-up	MPR
3474.00				3501.01	3501.01	3501.01	limit	(dB)
15	QPSK	1	1	17.53	17.54	17.51	19.0	0.0
Channel								
Frequency (MHz)				630334	633334	636334	Tune-up	MPR
3472.01				3501.01	3501.01	3501.01	limit	(dB)
10	QPSK	1	1	17.56	17.50	17.58	19.0	0.0

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BW [MHz]	Modulat ion	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				
100	1/2 BPSK	1	1	14.24	14.24	14.24	16.0	0.0
100	1/2 BPSK	1	137	14.38	14.38	14.38	16.0	0.0
100	1/2 BPSK	1	271	14.31	14.31	14.31	16.0	0.0
100	1/2 BPSK	135	0	14.34	14.34	14.34	16.0	0.0
100	1/2 BPSK	135	69	14.20	14.20	14.20	16.0	0.0
100	1/2 BPSK	135	138	14.28	14.28	14.28	16.0	0.0
100	1/2 BPSK	270	0	14.28	14.28	14.28	16.0	0.0
100	QPSK	1	1	14.41	14.41	14.41	16.0	0.0
100	QPSK	1	137	14.19	14.19	14.19	16.0	0.0
100	QPSK	1	271	14.36	14.36	14.36	16.0	0.0
100	QPSK	135	0	14.38	14.38	14.38	16.0	0.0
100	QPSK	135	69	14.38	14.38	14.38	16.0	0.0
100	QPSK	135	138	14.37	14.37	14.37	16.0	0.0
100	QPSK	270	0	14.32	14.32	14.32	16.0	0.0
100	16QAM	1	1	14.37	14.37	14.37	16.0	0.0
100	64QAM	1	1	14.27	14.27	14.27	16.0	0.0
100	256QAM	1	1	14.36	14.36	14.36	16.0	0.0
Channel								
Frequency (MHz)				649688	650000	650334	Tune-up	MPR
3745.02				3750	3753.01	3753.01	limit	(dB)
90	QPSK	1	1	14.32	14.38	14.30	16.0	0.0
Channel								
Frequency (MHz)				649334	650000	650668	Tune-up	MPR
3740.01				3750	3760.02	3760.02	limit	(dB)
80	QPSK	1	1	14.33	14.38	14.33	16.0	0.0
Channel								
Frequency (MHz)				649000	650000	651000	Tune-up	MPR
3735				3750	3765	3765	limit	(dB)
70	QPSK	1	1	14.35	14.30	14.34	16.0	0.0
Channel								
Frequency (MHz)				648668	650000	651334	Tune-up	MPR
3730.02				3750	3770.01	3770.01	limit	(dB)
60	QPSK	1	1	14.31	14.33	14.37	16.0	0.0
Channel								
Frequency (MHz)				648334	650000	651668	Tune-up	MPR
3725.01				3750	3780.02	3780.02	limit	(dB)
50	QPSK	1	1	14.33	14.32	14.33	16.0	0.0
Channel								
Frequency (MHz)				648000	650000	652000	Tune-up	MPR
3720				3750	3790	3790	limit	(dB)
40	QPSK	1	1	14.30	14.39	14.33	16.0	0.0
Channel								
Frequency (MHz)				647668	650000	652334	Tune-up	MPR
3715.02				3750	3785.01	3785.01	limit	(dB)
30	QPSK	1	1	14.40	14.33	14.38	16.0	0.0
Channel								
Frequency (MHz)				647500	650000	652500	Tune-up	MPR
3712.01				3750	3785.01	3785.01	limit	(dB)
25	QPSK	1	1	14.35	14.32	14.38	16.0	0.0
Channel								
Frequency (MHz)				647334	650000	652668	Tune-up	MPR
3710.01				3750	3790.02	3790.02	limit	(dB)
20	QPSK	1	1	14.32	14.31	14.38	16.0	0.0
Channel								
Frequency (MHz)				647168	650000	652834	Tune-up	MPR
3707.00				3750	3792.01	3792.01	limit	(dB)
15	QPSK	1	1	14.37	14.36	14.38	16.0	0.0
Channel								
Frequency (MHz)				647000	650000	653000	Tune-up	MPR
3705				3750	3795	3795	limit	(dB)
10	QPSK	1	1	14.37	14.40	14.33	16.0	0.0

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BW [MHz]	Modulat ion	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				
100	1/2 BPSK	1	1	17.22	17.22	17.22	19.0	0.0
100	1/2 BPSK	1	137	17.37	17.37	17.37	19.0	0.0
100	1/2 BPSK	1	271	17.29	17.29	17.29	19.0	0.0
100	1/2 BPSK	135	0	17.32	17.32	17.32	19.0	0.0
100	1/2 BPSK	135	69	17.30	17.30	17.30	19.0	0.0
100	1/2 BPSK	135	138	17.35	17.35	17.35	19.0	0.0
100	1/2 BPSK	270	0	17.28	17.28	17.28	19.0	0.0
100	QPSK	1	1	17.45	17.45	17.45	19.0	0.0
100	QPSK	1	137	17.37	17.37	17.37	19.0	0.0
100	QPSK	1	271	17.23	17.23	17.23	19.0	0.0
100	QPSK	135	0	17.34	17.34	17.34	19.0	0.0
100	QPSK	135	69	17.43	17.43	17.43	19.0	0.0
100	QPSK	135	138	17.29	17.29	17.29	19.0	0.0
100	QPSK	270	0	17.37	17.37	17.37	19.0	0.0
100	16QAM	1	1	17.35	17.35	17.35	19.0	0.0
100	64QAM	1	1	17.26	17.26	17.26	19.0	0.0
100	256QAM	1	1	17.15	17.15	17.15	19.0	0.0
Channel								
Frequency (MHz)				649688	650000	650334	Tune-up	MPR
3745.02				3750	3753.01	3753.01	limit	(dB)
90	QPSK	1	1	17.44	17.42	17.38	19.0	0.0
Channel								
Frequency (MHz)				649334	650000	650668	Tune-up	MPR
3740.01				3750	3760.02	3760.02	limit	(dB)
80	QPSK	1	1	17.28	17.41	17.39	19.0	0.0
Channel								
Frequency (MHz)				649000	650000	651000	Tune-up	MPR
3735				3750	3765	3765	limit	(dB)
70	QPSK	1	1	17.38	17.35	17.42	19.0	0.0
Channel								
Frequency (MHz)				648668	650000	651334	Tune-up	MPR
3730.02				3750	3770.01	3770.01	limit	(dB)



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BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel 63334								
Frequency (MHz) 3500.01								
100	1/2 BPSK	1	1	14.23				
100	1/2 BPSK	1	137	14.35			16.0	0.0
100	1/2 BPSK	1	271	14.32				
100	1/2 BPSK	135	0	14.36			16.0	0.0
100	1/2 BPSK	135	69	14.31			16.0	0.0
100	1/2 BPSK	135	138	14.31			16.0	0.0
100	1/2 BPSK	270	0	14.25			16.0	0.0
100	QPSK	1	1	14.42				
100	QPSK	1	137	14.26			16.0	0.0
100	QPSK	1	271	14.24			16.0	0.0
100	QPSK	135	0	14.24			16.0	0.0
100	QPSK	135	69	14.39			16.0	0.0
100	QPSK	135	138	14.28			16.0	0.0
100	QPSK	270	0	14.35			16.0	0.0
100	16QAM	1	1	14.27			16.0	0.0
100	16QAM	1	1	14.30			16.0	0.0
100	256QAM	1	1	14.39			16.0	0.0
Channel 63300								
Frequency (MHz) 3495								
90	QPSK	1	1	14.39	14.37	14.39	16.0	0.0
Channel 63268								
Frequency (MHz) 3490.02								
80	QPSK	1	1	14.33	14.33	14.32	16.0	0.0
Channel 63234								
Frequency (MHz) 3488.01								
70	QPSK	1	1	14.33	14.34	14.39	16.0	0.0
Channel 63200								
Frequency (MHz) 3486								
60	QPSK	1	1	14.37	14.34	14.33	16.0	0.0
Channel 63168								
Frequency (MHz) 3478.02								
50	QPSK	1	1	14.40	14.41	14.37	16.0	0.0
Channel 63134								
Frequency (MHz) 3470.01								
40	QPSK	1	1	14.40	14.39	14.32	16.0	0.0
Channel 63100								
Frequency (MHz) 3466								
30	QPSK	1	1	14.33	14.41	14.34	16.0	0.0
Channel 63068								
Frequency (MHz) 3462.01								
25	QPSK	1	1	14.40	14.35	14.32	16.0	0.0
Channel 63034								
Frequency (MHz) 3458.01								
20	QPSK	1	1	14.35	14.37	14.40	16.0	0.0
Channel 63000								
Frequency (MHz) 3457.5								
15	QPSK	1	1	14.39	14.32	14.40	16.0	0.0
Channel 63034								
Frequency (MHz) 3455.01								
10	QPSK	1	1	14.39	14.36	14.37	16.0	0.0

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BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel 63334								
Frequency (MHz) 3500.01								
100	1/2 BPSK	1	1	18.20				
100	1/2 BPSK	1	137	18.37			19.0	0.0
100	1/2 BPSK	1	271	18.32				
100	1/2 BPSK	135	0	18.34			19.0	0.0
100	1/2 BPSK	135	69	18.30			19.0	0.0
100	1/2 BPSK	135	138	18.35			19.0	0.0
100	1/2 BPSK	270	0	18.26			19.0	0.0
100	QPSK	1	1	18.40				
100	QPSK	1	137	18.25			19.0	0.0
100	QPSK	1	271	18.24			19.0	0.0
100	QPSK	135	0	18.32			19.0	0.0
100	QPSK	135	69	18.38			19.0	0.0
100	QPSK	135	138	18.34			19.0	0.0
100	QPSK	270	0	18.30			19.0	0.0
100	16QAM	1	1	18.29			19.0	0.0
100	16QAM	1	1	18.29			19.0	0.0
100	256QAM	1	1	18.27			19.0	0.0
Channel 63300								
Frequency (MHz) 3495								
90	QPSK	1	1	18.37	18.33	18.30	19.0	0.0
Channel 63268								
Frequency (MHz) 3490.02								
80	QPSK	1	1	18.33	18.31	18.33	19.0	0.0
Channel 63234								
Frequency (MHz) 3488.01								
70	QPSK	1	1	18.31	18.33	18.37	19.0	0.0
Channel 63200								
Frequency (MHz) 3486								
60	QPSK	1	1	18.33	18.30	18.33	19.0	0.0
Channel 63168								
Frequency (MHz) 3478.02								
50	QPSK	1	1	18.33	18.31	18.37	19.0	0.0
Channel 63134								
Frequency (MHz) 3470.01								
40	QPSK	1	1	18.38	18.30	18.34	19.0	0.0
Channel 63100								
Frequency (MHz) 3466								
30	QPSK	1	1	18.32	18.32	18.32	19.0	0.0
Channel 63068								
Frequency (MHz) 3462.01								
25	QPSK	1	1	18.39	18.36	18.36	19.0	0.0
Channel 63034								
Frequency (MHz) 3458.01								
20	QPSK	1	1	18.33	18.34	18.31	19.0	0.0
Channel 63000								
Frequency (MHz) 3457.5								
15	QPSK	1	1	18.38	18.34	18.32	19.0	0.0
Channel 63034								
Frequency (MHz) 3455.01								
10	QPSK	1	1	18.34	18.35	18.35	19.0	0.0



Full&Default Power Mode NSA

n7 Ant0 Main_PA Default									
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)				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	1/2 BPSK	1	1	23.90	23.91	23.86		24.5	0.0
40	1/2 BPSK	1	108	23.88	23.88	23.81			
40	1/2 BPSK	1	214	23.79	23.85	23.78			
40	1/2 BPSK	108	0	23.22	23.29	23.23	24.0	0.5	
40	1/2 BPSK	108	54	23.82	23.88	23.82		24.5	0.0
40	1/2 BPSK	108	108	23.13	23.20	23.12		24.0	0.5
40	1/2 BPSK	216	0	23.05	23.15	23.09			
40	QPSK	1	1	23.85	23.92	23.81			
40	QPSK	1	108	23.87	23.88	23.79		24.5	0.0
40	QPSK	1	214	23.82	23.89	23.84			
40	QPSK	108	0	22.75	22.82	22.74	23.5	1.0	
40	QPSK	108	54	23.78	23.87	23.79	24.5	0.0	
40	QPSK	108	108	22.67	22.73	22.70		23.5	1.0
40	QPSK	216	0	22.67	22.71	22.65			
40	16QAM	1	1	22.79	22.81	22.73		23.5	1.0
40	16QAM	1	1	21.35	21.38	21.27	22.0	2.5	
40	256QAM	1	1	19.34	19.37	19.31	20.0	4.5	
Channel									
Frequency (MHz)				503500	507000	510500	Tune-up	MPR	
Frequency (MHz)				23175	2335	23225	limit	(dB)	
35	QPSK	1	1	23.72	23.62	23.69		24.5	0.0
Channel									
Frequency (MHz)				503000	507000	511000	Tune-up	MPR	
Frequency (MHz)				2315	2335	2325	limit	(dB)	
30	QPSK	1	1	23.72	23.70	23.69		24.5	0.0
Channel									
Frequency (MHz)				502500	507000	511500	Tune-up	MPR	
Frequency (MHz)				23125	2335	23275	limit	(dB)	
25	QPSK	1	1	23.72	23.67	23.63		24.5	0.0
Channel									
Frequency (MHz)				502000	507000	512000	Tune-up	MPR	
Frequency (MHz)				2310	2335	2320	limit	(dB)	
20	1/2 BPSK	1	1	23.74	23.53	23.53		24.5	0.0
Channel									
Frequency (MHz)				501500	507000	512500	Tune-up	MPR	
Frequency (MHz)				23075	2335	23225	limit	(dB)	
15	QPSK	1	1	23.72	23.35	23.59		24.5	0.0
Channel									
Frequency (MHz)				501000	507000	513000	Tune-up	MPR	
Frequency (MHz)				2305	2335	2320	limit	(dB)	
10	QPSK	1	1	23.83	23.82	23.84		24.5	0.0
Channel									
Frequency (MHz)				500500	507000	513500	Tune-up	MPR	
Frequency (MHz)				23025	2335	23225	limit	(dB)	
5	QPSK	1	1	23.76	23.86	23.85		24.5	0.0

n66 Ant0 Other PA Default									
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)				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	1/2 BPSK	1	1	25.20	25.22	25.19		25.7	0.0
40	1/2 BPSK	1	108	24.98	25.07	25.06			
40	1/2 BPSK	1	214	25.01	25.05	24.95			
40	1/2 BPSK	108	0	24.56	24.62	24.56	25.2	0.5	
40	1/2 BPSK	108	54	25.10	25.18	25.09		25.7	0.0
40	1/2 BPSK	108	108	24.48	24.59	24.52		25.2	0.5
40	1/2 BPSK	216	0	24.59	24.64	24.53			
40	QPSK	1	1	25.22	25.20	25.27			
40	QPSK	1	108	25.09	25.12	25.01		25.7	0.0
40	QPSK	1	214	24.96	25.02	24.96			
40	QPSK	108	0	24.13	24.15	24.13	24.7	1.0	
40	QPSK	108	54	25.17	25.22	25.19	25.7	0.0	
40	QPSK	108	108	24.10	24.13	24.11		24.7	1.0
40	QPSK	216	0	24.13	24.20	24.11			
40	16QAM	1	1	24.11	24.17	24.09		24.7	1.0
40	16QAM	1	1	22.55	22.61	22.57	23.2	2.5	
40	256QAM	1	1	21.01	21.08	20.98	21.2	4.5	
Channel									
Frequency (MHz)				345500	349000	352500	Tune-up	MPR	
Frequency (MHz)				17275	1745	17275	limit	(dB)	
35	QPSK	1	1	25.20	25.20	25.16		25.7	0.0
Channel									
Frequency (MHz)				345000	349000	353000	Tune-up	MPR	
Frequency (MHz)				1725	1745	1725	limit	(dB)	
30	QPSK	1	1	25.14	25.10	25.29		25.7	0.0
Channel									
Frequency (MHz)				344500	349000	353500	Tune-up	MPR	
Frequency (MHz)				17225	1745	17275	limit	(dB)	
25	QPSK	1	1	25.14	25.10	25.19		25.7	0.0
Channel									
Frequency (MHz)				344000	349000	354000	Tune-up	MPR	
Frequency (MHz)				1720	1745	1720	limit	(dB)	
20	QPSK	1	1	25.12	25.23	25.19		25.7	0.0
Channel									
Frequency (MHz)				343500	349000	354500	Tune-up	MPR	
Frequency (MHz)				17175	1745	17225	limit	(dB)	
15	QPSK	1	1	25.14	25.20	25.21		25.7	0.0
Channel									
Frequency (MHz)				343000	349000	355000	Tune-up	MPR	
Frequency (MHz)				1715	1745	1725	limit	(dB)	
10	QPSK	1	1	25.14	25.27	25.23		25.7	0.0
Channel									
Frequency (MHz)				342500	349000	355500	Tune-up	MPR	
Frequency (MHz)				17125	1745	17275	limit	(dB)	
5	QPSK	1	1	25.16	25.26	25.20		25.7	0.0



n38 Ant0 Main_PA Default								
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)
				519004	519000	519996		
				2590.02	2595	2599.98		
40	1/2 BPSK	1	1	23.74	23.81	23.72	24.0	0.0
40	1/2 BPSK	1	53	23.74	23.75	23.68		
40	1/2 BPSK	1	104	23.62	23.71	23.66		
40	1/2 BPSK	50	0	23.15	23.16	23.10	23.5	0.5
40	1/2 BPSK	50	28	23.68	23.73	23.68	24.0	0.0
40	1/2 BPSK	50	56	22.96	23.01	23.00	23.5	0.5
40	1/2 BPSK	100	0	22.95	23.06	22.97		
40	QPSK	1	1	23.79	23.83	23.78		
40	QPSK	1	53	23.77	23.81	23.78	24.0	0.0
40	QPSK	1	104	23.77	23.83	23.76		
40	QPSK	50	0	22.67	22.69	22.62	23.0	1.0
40	QPSK	50	28	23.74	23.75	23.72	24.0	0.0
40	QPSK	50	56	22.65	22.75	22.65	23.0	1.0
40	QPSK	100	0	22.64	22.71	22.61		
40	16QAM	1	1	22.69	22.75	22.69	23.0	1.0
40	16QAM	1	1	21.21	21.26	21.17	21.5	2.5
40	256QAM	1	1	19.15	19.22	19.15	19.5	4.5
				517002	519000	520998		
				2583.01	2585	2584.99		
30	QPSK	1	1	23.62	23.83	23.69	24.0	0.0
				516504	519000	521496		
				2582.52	2585	2587.48		
25	QPSK	1	1	23.74	23.81	23.72	24.0	0.0
				516000	519000	522000		
				2580	2585	2580		
20	QPSK	1	1	23.62	23.82	23.70	24.0	0.0
				515502	519000	522498		
				2577.51	2585	2582.49		
15	QPSK	1	1	23.71	23.71	23.71	24.0	0.0
				515004	519000	522996		
				2575.02	2585	2581.98		
10	QPSK	1	1	23.75	23.79	23.77	24.0	0.0

n41 Ant0 Main_PA Default								
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)
				509202	518598	528000		
				2546.01	2552.99	2540		
100	1/2 BPSK	1	1	23.16	23.21	23.12	24.0	0.0
100	1/2 BPSK	1	197	23.15	23.22	23.12		
100	1/2 BPSK	1	271	23.16	23.21	23.12		
100	1/2 BPSK	135	0	23.16	23.24	23.14	24.0	0.0
100	1/2 BPSK	135	69	23.09	23.16	23.10	24.0	0.0
100	1/2 BPSK	135	138	23.12	23.18	23.10	24.0	0.0
100	1/2 BPSK	270	0	23.13	23.16	23.07		
100	QPSK	1	1	23.52	23.58	23.56		
100	QPSK	1	137	23.48	23.55	23.47	25.4	0.0
100	QPSK	1	271	23.47	23.50	23.47		
100	QPSK	135	0	22.48	22.59	22.48	23.0	1.0
100	QPSK	135	69	23.12	23.21	23.11	24.0	0.0
100	QPSK	135	138	22.33	22.41	22.36	23.0	1.0
100	QPSK	270	0	22.38	22.45	22.41		
100	16QAM	1	1	23.37	23.45	23.42	24.0	0.0
100	16QAM	1	1	23.34	23.39	23.34	24.0	0.0
100	256QAM	1	1	21.67	21.71	21.69	22.0	2.0
				508200	518598	528996		
				2541	2552.99	2544.99		
50	QPSK	1	1	23.46	23.49	23.46	24.0	0.0
				507204	518598	529998		
				2538.02	2552.99	2542.99		
50	QPSK	1	1	23.45	23.54	23.47	24.0	0.0
				506202	518598	531000		
				2531.01	2552.99	2525		
70	QPSK	1	1	23.47	23.49	23.47	24.0	0.0
				505200	518598	531996		
				2526	2548	2539.98		
50	QPSK	1	1	23.49	23.51	23.53	24.0	0.0
				504204	518598	532998		
				2521.02	2552.99	2514.99		
50	QPSK	1	1	23.51	23.48	23.52	24.0	0.0
				503202	518598	534000		
				2518.01	2552.99	2510		
40	QPSK	1	1	23.42	23.56	23.50	24.0	0.0
				502200	518598	534996		
				2511	2552.99	2504.98		
30	QPSK	1	1	23.48	23.56	23.52	24.0	0.0
				502200	518598	534996		
				2511	2552.99	2504.98		
25	QPSK	1	1	23.48	23.51	23.52	24.0	0.0
				501204	518598	535998		
				2506.02	2552.99	2500		
20	QPSK	1	1	23.45	23.57	23.50	24.0	0.0
				500700	518598	536496		
				2501.5	2552.99	2500.48		
15	QPSK	1	1	23.42	23.52	23.52	24.0	0.0
				500202	518598	537000		
				2501.01	2552.99	2500		
10	QPSK	1	1	23.43	23.51	23.51	24.0	0.0



n7 Ant1 Main_PA Default								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	1/2 BPSK	1	1	23.66	23.68	23.58	24.5	0.0
40	1/2 BPSK	1	108	23.58	23.65	23.60		
40	1/2 BPSK	1	214	23.56	23.61	23.58		
40	1/2 BPSK	108	0	22.97	23.07	23.01	24.0	0.5
40	1/2 BPSK	108	54	23.53	23.63	23.59	24.5	0.0
40	1/2 BPSK	108	108	23.14	23.21	23.12	24.0	0.5
40	1/2 BPSK	216	0	23.18	23.20	23.16		
40	QPSK	1	1	23.63	23.71	23.62		
40	QPSK	1	108	23.58	23.68	23.62	24.5	0.0
40	QPSK	1	214	23.56	23.63	23.59		
40	QPSK	108	0	22.99	22.93	22.95	23.5	1.0
40	QPSK	108	54	23.60	23.66	23.56	24.5	0.0
40	QPSK	108	108	22.80	22.85	22.80	23.5	1.0
40	QPSK	216	0	22.97	22.93	22.95		
40	16QAM	1	1	22.67	22.71	22.65	23.5	1.0
40	16QAM	1	1	21.15	21.21	21.15	22.0	2.5
40	16QAM	1	1	19.12	19.22	19.12	20.0	4.5
Channel				503500	507000	510500	Tune-up	MPR
Frequency (MHz)				23175	2335	23245	limit	(dB)
35	QPSK	1	1	23.77	23.69	23.59	24.5	0.0
Channel				503000	507000	511000	Tune-up	MPR
Frequency (MHz)				2315	2335	2355	limit	(dB)
30	QPSK	1	1	23.52	23.69	23.54	24.5	0.0
Channel				502500	507000	511500	Tune-up	MPR
Frequency (MHz)				23125	2335	23275	limit	(dB)
25	QPSK	1	1	23.61	23.64	23.53	24.5	0.0
Channel				502000	507000	512000	Tune-up	MPR
Frequency (MHz)				2310	2335	2360	limit	(dB)
20	1/2 BPSK	1	1	23.55	23.65	23.57	24.5	0.0
Channel				501500	507000	512500	Tune-up	MPR
Frequency (MHz)				22775	2335	23075	limit	(dB)
15	QPSK	1	1	23.69	23.62	23.53	24.5	0.0
Channel				501000	507000	513000	Tune-up	MPR
Frequency (MHz)				2305	2335	2350	limit	(dB)
10	QPSK	1	1	23.68	23.64	23.52	24.5	0.0
Channel				500500	507000	513500	Tune-up	MPR
Frequency (MHz)				22925	2335	23075	limit	(dB)
5	QPSK	1	1	23.53	23.67	23.55	24.5	0.0

n66 Ant1 Other PA Default								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	1/2 BPSK	1	1	25.07	25.16	25.11		
40	1/2 BPSK	1	108	25.10	25.12	25.04	25.7	0.0
40	1/2 BPSK	1	214	25.02	25.07	25.01		
40	1/2 BPSK	108	0	24.57	24.60	24.58	25.2	0.5
40	1/2 BPSK	108	54	25.08	25.11	25.04	25.7	0.0
40	1/2 BPSK	108	108	24.51	24.56	24.45	25.2	0.5
40	1/2 BPSK	216	0	24.53	24.63	24.60		
40	QPSK	1	1	25.19	25.23	25.19		
40	QPSK	1	108	25.07	25.16	25.14	25.7	0.0
40	QPSK	1	214	25.06	25.11	25.09		
40	QPSK	108	0	24.08	24.16	24.13	24.7	1.0
40	QPSK	108	54	25.13	25.18	25.10	25.7	0.0
40	QPSK	108	108	24.03	24.08	24.04	24.7	1.0
40	QPSK	216	0	24.11	24.14	24.06		
40	16QAM	1	1	24.12	24.21	24.18	24.7	1.0
40	16QAM	1	1	22.71	22.74	22.66	23.2	2.5
40	16QAM	1	1	21.09	21.13	21.09	21.2	4.5
Channel				345500	349000	352500	Tune-up	MPR
Frequency (MHz)				1727.5	1745	1727.5	limit	(dB)
35	QPSK	1	1	25.05	25.01	25.08	25.7	0.0
Channel				345000	349000	353000	Tune-up	MPR
Frequency (MHz)				1725	1745	1765	limit	(dB)
30	QPSK	1	1	25.10	25.15	25.11	25.7	0.0
Channel				344500	349000	353500	Tune-up	MPR
Frequency (MHz)				1722.5	1745	1727.5	limit	(dB)
25	QPSK	1	1	25.15	25.15	25.17	25.7	0.0
Channel				344000	349000	354000	Tune-up	MPR
Frequency (MHz)				1720	1745	1770	limit	(dB)
20	QPSK	1	1	25.13	25.22	25.13	25.7	0.0
Channel				343500	349000	354500	Tune-up	MPR
Frequency (MHz)				1717.5	1745	1722.5	limit	(dB)
15	QPSK	1	1	25.15	25.17	25.08	25.7	0.0
Channel				343000	349000	355000	Tune-up	MPR
Frequency (MHz)				1715	1745	1775	limit	(dB)
10	QPSK	1	1	25.11	25.13	25.11	25.7	0.0
Channel				342500	349000	355500	Tune-up	MPR
Frequency (MHz)				1712.5	1745	1727.5	limit	(dB)
5	QPSK	1	1	25.12	25.18	25.10	25.7	0.0



Part27Q n77 Ant1 Main_PA Default

Table with columns: 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). Includes rows for Frequency (MHz), 1/2 BPSK, QPSK, and 16QAM.

Part27Q n77 Ant1 Main_PA Default

Table with columns: 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). Includes rows for Frequency (MHz), 1/2 BPSK, QPSK, and 16QAM.

Part27O n78 Ant1 Main_PA Default

Table with columns: 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). Includes rows for Frequency (MHz), 1/2 BPSK, QPSK, and 16QAM.

Part27O n78 Ant1 Main_PA Default

Table with columns: 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). Includes rows for Frequency (MHz), 1/2 BPSK, QPSK, and 16QAM.



Part27Q n78 Ant1 Main_PA Default									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Freq. (dBm)	MPR (dB)	
Channel				633334		3500.01			
Frequency (MHz)									
100	1/2 BPSK	1	1	21.57			23.5	0.0	
100	1/2 BPSK	1	137	21.53					
100	1/2 BPSK	1	271	21.65					
100	1/2 BPSK	135	0	21.69			23.5	0.0	
100	1/2 BPSK	135	69	21.62					
100	1/2 BPSK	135	138	21.54			23.5	0.0	
100	1/2 BPSK	270	0	21.63					
100	QPSK	1	1	21.58					
100	QPSK	1	137	21.66			23.5	0.0	
100	QPSK	1	271	21.66					
100	QPSK	135	0	21.54			23.5	0.0	
100	QPSK	135	69	21.68					
100	QPSK	135	138	21.61			23.5	0.0	
100	QPSK	270	0	21.52					
100	16QAM	1	1	21.63			23.5	0.0	
100	8QAM	1	1	21.51			23.0	0.5	
100	256QAM	1	1	21.14			21.0	2.5	
Channel				633000		633334		633668	
Frequency (MHz)									
90	QPSK	1	1	21.74	21.72	21.77	23.5	0.0	
Channel				632668		633334		634000	
Frequency (MHz)									
80	QPSK	1	1	21.73	21.72	21.72	23.5	0.0	
Channel				632334		633334		634334	
Frequency (MHz)									
70	QPSK	1	1	21.82	21.83	21.73	23.5	0.0	
Channel				632000		633334		634668	
Frequency (MHz)									
60	QPSK	1	1	21.77	21.72	21.72	23.5	0.0	
Channel				631668		633334		635000	
Frequency (MHz)									
50	QPSK	1	1	21.82	21.74	21.76	23.5	0.0	
Channel				631334		633334		635334	
Frequency (MHz)									
40	QPSK	1	1	21.76	21.72	21.76	23.5	0.0	
Channel				631000		633334		635668	
Frequency (MHz)									
30	QPSK	1	1	21.73	21.76	21.77	23.5	0.0	
Channel				630834		633334		635834	
Frequency (MHz)									
25	QPSK	1	1	21.80	21.80	21.82	23.5	0.0	
Channel				630668		633334		636000	
Frequency (MHz)									
20	QPSK	1	1	21.74	21.77	21.80	23.5	0.0	
Channel				630500		633334		636168	
Frequency (MHz)									
15	QPSK	1	1	21.75	21.80	21.76	23.5	0.0	
Channel				630334		633334		636334	
Frequency (MHz)									
10	QPSK	1	1	21.74	21.78	21.80	23.5	0.0	

Part27Q n78 Ant1 Main_PA Default									
PC2									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Freq. (dBm)	MPR (dB)	
Channel				633334		3500.01			
Frequency (MHz)									
100	1/2 BPSK	1	1	24.35			25.5	0.0	
100	1/2 BPSK	1	137	24.17					
100	1/2 BPSK	1	271	24.23					
100	1/2 BPSK	135	0	23.33			25.0	0.5	
100	1/2 BPSK	135	69	24.14					
100	1/2 BPSK	135	138	23.65			25.0	0.5	
100	1/2 BPSK	270	0	23.86					
100	QPSK	1	1	24.38					
100	QPSK	1	137	24.30			25.5	0.0	
100	QPSK	1	271	24.27					
100	QPSK	135	0	23.62			24.5	1.0	
100	QPSK	135	69	23.66					
100	QPSK	135	138	23.36			24.5	1.0	
100	QPSK	270	0	23.38					
100	16QAM	1	1	23.11			24.5	1.0	
100	8QAM	1	1	21.69			23.0	2.5	
100	256QAM	1	1	19.17			21.0	4.5	
Channel				633000		633334		633668	
Frequency (MHz)									
90	QPSK	1	1	24.25	23.00	23.02	25.5	0.0	
Channel				632668		633334		634000	
Frequency (MHz)									
80	QPSK	1	1	24.29	24.25	24.29	25.5	0.0	
Channel				632334		633334		634334	
Frequency (MHz)									
70	QPSK	1	1	24.34	24.29	24.34	25.5	0.0	
Channel				632000		633334		634668	
Frequency (MHz)									
60	QPSK	1	1	24.34	24.29	24.34	25.5	0.0	
Channel				631668		633334		635000	
Frequency (MHz)									
50	QPSK	1	1	24.29	24.34	24.33	25.5	0.0	
Channel				631334		633334		635334	
Frequency (MHz)									
40	QPSK	1	1	24.29	24.29	24.31	25.5	0.0	
Channel				631000		633334		635668	
Frequency (MHz)									
30	QPSK	1	1	24.29	24.27	24.33	25.5	0.0	
Channel				630834		633334		635834	
Frequency (MHz)									
25	QPSK	1	1	24.28	24.32	24.28	25.5	0.0	
Channel				630668		633334		636000	
Frequency (MHz)									
20	QPSK	1	1	24.28	24.29	24.28	25.5	0.0	
Channel				630500		633334		636168	
Frequency (MHz)									
15	QPSK	1	1	24.27	24.28	24.28	25.5	0.0	
Channel				630334		633334		636334	
Frequency (MHz)									
10	QPSK	1	1	24.27	24.33	24.29	25.5	0.0	



Part270 n77 Ant8 Main_PA Default

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)
100	1/2 BPSK	1	1	3750	3840	3930	21.5	0.0
100	1/2 BPSK	1	137	20.12	20.22	20.21		
100	1/2 BPSK	1	137	20.09	20.18	20.12		
100	1/2 BPSK	1	271	20.09	20.17	20.15		
100	1/2 BPSK	135	0	19.66	19.73	19.65	21.5	0.0
100	1/2 BPSK	135	69	20.18	20.26	20.23		
100	1/2 BPSK	135	138	20.12	20.18	20.09		
100	1/2 BPSK	270	0	20.08	20.15	20.10	21.5	0.0
100	QPSK	1	1	20.35	20.37	20.29		
100	QPSK	1	137	20.19	20.28	20.20		
100	QPSK	1	271	20.16	20.26	20.19		
100	QPSK	135	0	20.24	20.27	20.21	21.5	0.0
100	QPSK	135	69	20.28	20.34	20.32		
100	QPSK	135	138	20.28	20.33	20.31		
100	QPSK	270	0	20.22	20.31	20.21	21.5	0.0
100	16QAM	1	1	20.06	20.15	20.06	21.5	0.0
100	16QAM	1	1	19.80	19.81	19.73	21.0	0.5
100	256QAM	1	1	17.68	17.73	17.66	19.0	2.5

Part270 n77 Ant8 Main_PA Default

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)
100	1/2 BPSK	1	1	3750	3840	3930	24.0	0.0
100	1/2 BPSK	1	137	22.86	22.95	22.87		
100	1/2 BPSK	1	271	22.94	23.01	22.98		
100	1/2 BPSK	135	0	22.71	22.75	22.65	23.5	0.5
100	1/2 BPSK	135	69	22.70	22.71	22.63		
100	1/2 BPSK	135	138	22.92	22.95	22.94		
100	1/2 BPSK	270	0	22.98	23.07	23.01	23.5	0.5
100	QPSK	1	1	23.09	23.15	23.09		
100	QPSK	1	137	23.08	23.11	23.05		
100	QPSK	1	271	23.04	23.05	23.04		
100	QPSK	135	0	22.51	22.53	22.45	23.0	1.0
100	QPSK	135	69	22.90	22.91	22.85		
100	QPSK	135	138	22.50	22.51	22.45	23.0	1.0
100	QPSK	270	0	22.51	22.58	22.53		
100	16QAM	1	1	22.09	22.18	22.12	23.0	1.0
100	16QAM	1	1	20.73	20.77	20.70	21.5	2.5
100	256QAM	1	1	19.63	19.68	19.63	19.5	4.5

Part27Q n77 Ant8 Main_PA Default

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)
100	1/2 BPSK	1	1	3500.01				
100	1/2 BPSK	1	137	19.85			21.5	0.0
100	1/2 BPSK	1	137	19.87				
100	1/2 BPSK	1	271	19.87				
100	1/2 BPSK	135	0	19.91			21.5	0.0
100	1/2 BPSK	135	69	19.74				
100	1/2 BPSK	135	138	19.71				
100	1/2 BPSK	270	0	19.70			21.5	0.0
100	QPSK	1	1	20.00				
100	QPSK	1	137	19.83			21.5	0.0
100	QPSK	1	271	19.85				
100	QPSK	135	0	19.92			21.5	0.0
100	QPSK	135	69	19.98				
100	QPSK	135	138	19.91			21.5	0.0
100	QPSK	270	0	19.80				
100	16QAM	1	1	19.92			21.5	0.0
100	16QAM	1	1	19.35			21.0	0.5
100	256QAM	1	1	17.29			19.0	2.5

Part27Q n77 Ant8 Main_PA Default

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)
100	1/2 BPSK	1	1	3500.01				
100	1/2 BPSK	1	137	22.57			24.0	0.0
100	1/2 BPSK	1	137	22.47				
100	1/2 BPSK	1	271	22.45				
100	1/2 BPSK	135	0	22.20			23.5	0.5
100	1/2 BPSK	135	69	22.26				
100	1/2 BPSK	135	138	22.51				
100	1/2 BPSK	270	0	22.57			23.5	0.5
100	QPSK	1	1	22.86				
100	QPSK	1	137	22.85			24.0	0.0
100	QPSK	1	271	22.48				
100	QPSK	135	0	22.08			23.0	1.0
100	QPSK	135	69	22.35				
100	QPSK	135	138	21.99			23.0	1.0
100	QPSK	270	0	22.04				
100	16QAM	1	1	21.70			23.0	1.0
100	16QAM	1	1	20.32			21.5	2.5
100	256QAM	1	1	18.45			19.5	4.5



Reduced Power Mode for NSA DSI 1

n7 Ant0 Main_PA DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	1/2 BPSK	1	1	23.33	23.50	23.49	24.0	0.0	
40	1/2 BPSK	1	108	23.43	23.37	23.46			
40	1/2 BPSK	1	214	23.32	23.49	23.33			
40	1/2 BPSK	108	0	23.22	23.29	23.23	24.0	0.0	
40	1/2 BPSK	108	54	23.43	23.38	23.40	24.0	0.0	
40	1/2 BPSK	108	108	23.13	23.20	23.12	24.0	0.0	
40	1/2 BPSK	216	0	23.05	23.15	23.09			
40	QPSK	1	1	23.38	23.51	23.32			
40	QPSK	1	108	23.42	23.46	23.49	24.0	0.0	
40	QPSK	1	214	23.43	23.40	23.42			
40	QPSK	108	0	22.75	22.82	22.74	23.5	0.5	
40	QPSK	108	54	23.33	23.46	23.36	24.0	0.0	
40	QPSK	108	108	22.67	22.73	22.70	23.5	0.5	
40	QPSK	216	0	22.67	22.71	22.65			
40	16QAM	1	1	22.79	22.81	22.73	23.5	0.5	
40	16QAM	1	1	21.35	21.38	21.27	22.5	1.5	
40	256QAM	1	1	19.34	19.37	19.31	20.0	4.0	
Channel				503500	507000	510500	Tune-up	MPR	
Frequency (MHz)				23175	235	23275	limit	(dB)	
35	QPSK	1	1	23.40	23.46	23.49	24.0	0.0	
Channel				503000	507000	511000	Tune-up	MPR	
Frequency (MHz)				2315	235	235	limit	(dB)	
30	QPSK	1	1	23.35	23.40	23.43	24.0	0.0	
Channel				502500	507000	511500	Tune-up	MPR	
Frequency (MHz)				23175	235	23275	limit	(dB)	
25	QPSK	1	1	23.23	23.47	23.33	24.0	0.0	
Channel				502000	507000	512000	Tune-up	MPR	
Frequency (MHz)				2310	235	2350	limit	(dB)	
20	1/2 BPSK	1	1	23.35	23.43	23.40	24.0	0.0	
Channel				501500	507000	512500	Tune-up	MPR	
Frequency (MHz)				23075	235	23595	limit	(dB)	
15	QPSK	1	1	23.34	23.41	23.37	24.0	0.0	
Channel				501000	507000	513000	Tune-up	MPR	
Frequency (MHz)				2300	235	2350	limit	(dB)	
10	QPSK	1	1	23.44	23.49	23.37	24.0	0.0	
Channel				500500	507000	513500	Tune-up	MPR	
Frequency (MHz)				22925	235	23595	limit	(dB)	
5	QPSK	1	1	23.31	23.45	23.39	24.0	0.0	

n66 Ant0 Other_PA DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	1/2 BPSK	1	1	21.25	21.31	21.26	21.7	0.0	
40	1/2 BPSK	1	108	21.17	21.25	21.33			
40	1/2 BPSK	1	214	21.14	21.27	21.29			
40	1/2 BPSK	108	0	21.24	21.21	21.21	21.7	0.0	
40	1/2 BPSK	108	54	21.27	21.22	21.33	21.7	0.0	
40	1/2 BPSK	108	108	21.29	21.23	21.28	21.7	0.0	
40	1/2 BPSK	216	0	21.22	21.26	21.27			
40	QPSK	1	1	21.17	21.38	21.23			
40	QPSK	1	108	21.24	21.31	21.19	21.7	0.0	
40	QPSK	1	214	21.22	21.24	21.29			
40	QPSK	108	0	21.28	21.34	21.23	21.7	0.0	
40	QPSK	108	54	21.20	21.37	21.32	21.7	0.0	
40	QPSK	108	108	21.22	21.28	21.34	21.7	0.0	
40	QPSK	216	0	21.29	21.35	21.33			
40	16QAM	1	1	21.26	21.24	21.24	21.7	0.0	
40	16QAM	1	1	21.14	21.20	21.30	21.7	0.0	
40	256QAM	1	1	21.01	21.09	20.98	21.2	0.5	
Channel				345500	349000	352500	Tune-up	MPR	
Frequency (MHz)				17275	1745	17625	limit	(dB)	
35	QPSK	1	1	21.14	21.27	21.24	21.7	0.0	
Channel				345000	349000	353000	Tune-up	MPR	
Frequency (MHz)				1725	1745	1765	limit	(dB)	
30	QPSK	1	1	21.20	21.23	21.22	21.7	0.0	
Channel				344500	349000	353500	Tune-up	MPR	
Frequency (MHz)				17225	1745	17675	limit	(dB)	
25	QPSK	1	1	21.28	21.21	21.19	21.7	0.0	
Channel				344000	349000	354000	Tune-up	MPR	
Frequency (MHz)				1720	1745	1770	limit	(dB)	
20	QPSK	1	1	21.20	21.22	21.27	21.7	0.0	
Channel				343500	349000	354500	Tune-up	MPR	
Frequency (MHz)				1715	1745	17725	limit	(dB)	
15	QPSK	1	1	21.21	21.29	21.28	21.7	0.0	
Channel				343000	349000	355000	Tune-up	MPR	
Frequency (MHz)				1715	1745	1775	limit	(dB)	
10	QPSK	1	1	21.25	21.25	21.18	21.7	0.0	
Channel				342500	349000	355500	Tune-up	MPR	
Frequency (MHz)				17125	1745	17775	limit	(dB)	
5	QPSK	1	1	21.17	21.27	21.22	21.7	0.0	



n38 Ant0 Main_PA DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 519004	Power Middle Ch. / Freq. 519000	Power High Ch. / Freq. 519996	Tune-up limit (dBm)	MPR (dB)
				2590.02	2595	2599.98		
40	1/2 BPSK	1	1	23.74	23.81	23.72	24.0	0.0
40	1/2 BPSK	1	53	23.74	23.75	23.68		
40	1/2 BPSK	1	104	23.62	23.71	23.66		
40	1/2 BPSK	50	0	23.15	23.16	23.10	23.5	0.5
40	1/2 BPSK	50	28	23.68	23.73	23.68	24.0	0.0
40	1/2 BPSK	50	56	22.96	23.01	23.00	23.5	0.5
40	1/2 BPSK	100	0	22.95	23.06	22.97		
40	QPSK	1	1	23.73	23.83	23.78		
40	QPSK	1	53	23.77	23.81	23.78	24.0	0.0
40	QPSK	1	104	23.77	23.83	23.76		
40	QPSK	50	0	22.67	22.68	22.62	23.0	1.0
40	QPSK	50	28	23.74	23.75	23.72	24.0	0.0
40	QPSK	50	56	22.65	22.75	22.65	23.0	1.0
40	QPSK	100	0	22.64	22.71	22.61		
40	16QAM	1	1	22.69	22.75	22.69	23.0	1.0
40	16QAM	1	1	21.21	21.26	21.17	21.5	2.5
40	256QAM	1	1	19.15	19.22	19.15	19.5	4.5
				517002	519000	520998	Tune-up limit (dB)	MPR
30	QPSK	1	1	23.62	23.83	23.69	24.0	0.0
				516504	519000	521496	Tune-up limit (dB)	MPR
25	QPSK	1	1	23.74	23.81	23.72	24.0	0.0
				516000	519000	522000	Tune-up limit (dB)	MPR
20	QPSK	1	1	23.69	23.82	23.70	24.0	0.0
				515502	519000	522498	Tune-up limit (dB)	MPR
15	QPSK	1	1	23.71	23.77	23.71	24.0	0.0
				515004	519000	522996	Tune-up limit (dB)	MPR
10	QPSK	1	1	23.72	23.79	23.77	24.0	0.0

n41 Ant0 Main_PA DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 509202	Power Middle Ch. / Freq. 518998	Power High Ch. / Freq. 520000	Tune-up limit (dBm)	MPR (dB)
				2546.01	2552.99	2540		
100	1/2 BPSK	1	1	23.16	23.21	23.12	24.0	0.0
100	1/2 BPSK	1	197	23.15	23.22	23.12		
100	1/2 BPSK	1	271	23.16	23.21	23.12		
100	1/2 BPSK	135	0	23.16	23.24	23.14	24.0	0.0
100	1/2 BPSK	135	69	23.09	23.16	23.10	24.0	0.0
100	1/2 BPSK	135	138	23.12	23.18	23.10	24.0	0.0
100	1/2 BPSK	270	0	23.13	23.16	23.07		
100	QPSK	1	1	23.32	23.38	23.36		
100	QPSK	1	137	23.48	23.55	23.47	25.4	0.0
100	QPSK	1	271	23.47	23.50	23.47		
100	QPSK	135	0	22.48	22.59	22.48	23.0	1.0
100	QPSK	135	69	23.12	23.21	23.11	24.0	0.0
100	QPSK	135	138	22.33	22.41	22.36	23.0	1.0
100	QPSK	270	0	22.38	22.45	22.41		
100	16QAM	1	1	23.37	23.45	23.42	24.0	0.0
100	16QAM	1	1	23.34	23.39	23.34	24.0	0.0
100	256QAM	1	1	21.67	21.71	21.69	22.0	2.0
				508200	518998	520998	Tune-up limit (dB)	MPR
50	QPSK	1	1	23.46	23.49	23.46	24.0	0.0
				507204	518998	520998	Tune-up limit (dB)	MPR
50	QPSK	1	1	23.45	23.54	23.47	24.0	0.0
				506202	518998	531000	Tune-up limit (dB)	MPR
70	QPSK	1	1	23.31	23.32	23.31	24.0	0.0
				505200	518998	531996	Tune-up limit (dB)	MPR
60	QPSK	1	1	23.49	23.51	23.53	24.0	0.0
				504204	518998	532998	Tune-up limit (dB)	MPR
50	QPSK	1	1	23.51	23.48	23.52	24.0	0.0
				503202	518998	534000	Tune-up limit (dB)	MPR
40	QPSK	1	1	23.42	23.56	23.50	24.0	0.0
				502200	518998	534996	Tune-up limit (dB)	MPR
30	QPSK	1	1	23.46	23.56	23.52	24.0	0.0
				502200	518998	534996	Tune-up limit (dB)	MPR
25	QPSK	1	1	23.48	23.51	23.52	24.0	0.0
				501204	518998	535998	Tune-up limit (dB)	MPR
20	QPSK	1	1	23.45	23.57	23.50	24.0	0.0
				500700	518998	536496	Tune-up limit (dB)	MPR
15	QPSK	1	1	23.42	23.52	23.52	24.0	0.0
				500202	518998	537000	Tune-up limit (dB)	MPR
10	QPSK	1	1	23.43	23.51	23.51	24.0	0.0



n7 Ant1 Main_PA DSI1								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq. 504000	Middle Ch. / Freq. 507000	High Ch. / Freq. 510000		
Channel				2520	2535	2550		
Frequency (MHz)								
40	1/2 BPSK	1	1	19.55	19.63	19.68	20.5	0.0
40	1/2 BPSK	1	108	19.64	19.80	19.60		
40	1/2 BPSK	1	214	19.61	19.64	19.63		
40	1/2 BPSK	108	0	19.57	19.77	19.54	20.5	0.0
40	1/2 BPSK	108	54	19.68	19.72	19.70	20.5	0.0
40	1/2 BPSK	108	108	19.63	19.64	19.57	20.5	0.0
40	1/2 BPSK	216	0	19.66	19.74	19.53	20.5	0.0
40	QPSK	1	1	19.71	19.83	19.82		
40	QPSK	1	108	19.64	19.70	19.56	20.5	0.0
40	QPSK	1	214	19.69	19.75	19.64		
40	QPSK	108	0	19.57	19.68	19.69	20.5	0.0
40	QPSK	108	54	19.55	19.78	19.57	20.5	0.0
40	QPSK	108	108	19.63	19.76	19.64	20.5	0.0
40	QPSK	216	0	19.63	19.77	19.69		
40	16QAM	1	1	19.69	19.78	19.70	20.5	0.0
40	16QAM	1	1	19.55	19.74	19.59	20.5	0.0
40	256QAM	1	1	19.12	19.22	19.12	20.0	0.5
Channel				503500	507000	510500	Tune-up	MPR
Frequency (MHz)				25175	2535	25245	limit	(dB)
35	QPSK	1	1	19.77	19.70	19.60	20.5	0.0
Channel				503000	507000	511000	Tune-up	MPR
Frequency (MHz)				2515	2535	2555	limit	(dB)
30	QPSK	1	1	19.62	19.76	19.55	20.5	0.0
Channel				502500	507000	511500	Tune-up	MPR
Frequency (MHz)				25125	2535	25575	limit	(dB)
25	QPSK	1	1	19.65	19.70	19.53	20.5	0.0
Channel				502000	507000	512000	Tune-up	MPR
Frequency (MHz)				2510	2535	2560	limit	(dB)
20	1/2 BPSK	1	1	19.55	19.64	19.68	20.5	0.0
Channel				501500	507000	512500	Tune-up	MPR
Frequency (MHz)				25075	2535	25625	limit	(dB)
15	QPSK	1	1	19.61	19.67	19.57	20.5	0.0
Channel				501000	507000	513000	Tune-up	MPR
Frequency (MHz)				2505	2535	2565	limit	(dB)
10	QPSK	1	1	19.55	19.72	19.59	20.5	0.0
Channel				500500	507000	513500	Tune-up	MPR
Frequency (MHz)				25025	2535	25675	limit	(dB)
5	QPSK	1	1	19.65	19.74	19.66	20.5	0.0

n66 Ant1 Other PA DSI1								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq. 346000	Middle Ch. / Freq. 349000	High Ch. / Freq. 352000		
Channel				1730	1745	1760		
Frequency (MHz)								
40	1/2 BPSK	1	1	20.60	20.74	20.64	21.2	0.0
40	1/2 BPSK	1	108	20.73	20.68	20.70		
40	1/2 BPSK	1	214	20.63	20.65	20.75		
40	1/2 BPSK	108	0	20.69	20.68	20.63	21.2	0.0
40	1/2 BPSK	108	54	20.77	20.71	20.68	21.2	0.0
40	1/2 BPSK	108	108	20.70	20.70	20.76	21.2	0.0
40	1/2 BPSK	216	0	20.64	20.67	20.68		
40	QPSK	1	1	20.61	20.65	20.71		
40	QPSK	1	108	20.77	20.73	20.76	21.2	0.0
40	QPSK	1	214	20.65	20.75	20.67		
40	QPSK	108	0	20.72	20.75	20.61	21.2	0.0
40	QPSK	108	54	20.68	20.61	20.63	21.2	0.0
40	QPSK	108	108	20.60	20.64	20.61	21.2	0.0
40	QPSK	216	0	20.64	20.70	20.77		
40	16QAM	1	1	20.61	20.66	20.78	21.2	0.0
40	16QAM	1	1	20.60	20.78	20.62	21.2	0.0
40	256QAM	1	1	20.77	20.68	20.62	21.2	0.0
Channel				345000	349000	352000	Tune-up	MPR
Frequency (MHz)				1727.5	1745	1722.5	limit	(dB)
35	QPSK	1	1	20.58	20.61	20.65	21.2	0.0
Channel				345000	349000	353000	Tune-up	MPR
Frequency (MHz)				1725	1745	1765	limit	(dB)
30	QPSK	1	1	20.64	20.64	20.77	21.2	0.0
Channel				344500	349000	353500	Tune-up	MPR
Frequency (MHz)				1722.5	1745	1727.5	limit	(dB)
25	QPSK	1	1	20.60	20.62	20.77	21.2	0.0
Channel				344000	349000	354000	Tune-up	MPR
Frequency (MHz)				1720	1745	1770	limit	(dB)
20	QPSK	1	1	20.65	20.72	20.64	21.2	0.0
Channel				343500	349000	354500	Tune-up	MPR
Frequency (MHz)				1717.5	1745	1722.5	limit	(dB)
15	QPSK	1	1	20.63	20.69	20.66	21.2	0.0
Channel				343000	349000	355000	Tune-up	MPR
Frequency (MHz)				1715	1745	1725	limit	(dB)
10	QPSK	1	1	20.71	20.68	20.69	21.2	0.0
Channel				342500	349000	355500	Tune-up	MPR
Frequency (MHz)				1712.5	1745	1727.5	limit	(dB)
5	QPSK	1	1	20.64	20.67	20.74	21.2	0.0



Part27Q n78 Ant1 Main_PA DSI1									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up [MHz]	MPR [dB]	
Channel				633334					
Frequency (MHz)				3500.01					
100	1/2 BPSK	1	1	15.80			17.5	0.0	
100	1/2 BPSK	1	137	15.80					
100	1/2 BPSK	1	271	15.79					
100	1/2 BPSK	135	0	15.76			17.5	0.0	
100	1/2 BPSK	135	69	15.79					
100	1/2 BPSK	135	138	15.76			17.5	0.0	
100	1/2 BPSK	270	0	15.77					
100	QPSK	1	1	15.80					
100	QPSK	1	137	15.79			17.5	0.0	
100	QPSK	1	271	15.74					
100	QPSK	135	0	15.70			17.5	0.0	
100	QPSK	135	69	15.85					
100	QPSK	135	138	15.83			17.5	0.0	
100	QPSK	270	0	15.79					
100	16QAM	1	1	15.83			17.5	0.0	
100	16QAM	1	1	15.83			17.5	0.0	
100	256QAM	1	1	15.75			17.5	0.0	
Channel				633000					
Frequency (MHz)				3452					
90	QPSK	1	1	15.72	15.83	15.89	17.5	0.0	
Channel				632668					
Frequency (MHz)				3450.02					
80	QPSK	1	1	15.71	15.82	15.83	17.5	0.0	
Channel				632334					
Frequency (MHz)				3453.01					
70	QPSK	1	1	15.65	15.74	15.72	17.5	0.0	
Channel				632000					
Frequency (MHz)				3459					
60	QPSK	1	1	15.73	15.82	15.74	17.5	0.0	
Channel				631668					
Frequency (MHz)				3475.02					
50	QPSK	1	1	15.75	15.83	15.76	17.5	0.0	
Channel				631334					
Frequency (MHz)				3470.01					
40	QPSK	1	1	15.74	15.76	15.84	17.5	0.0	
Channel				631000					
Frequency (MHz)				3465					
30	QPSK	1	1	15.74	15.74	15.77	17.5	0.0	
Channel				630834					
Frequency (MHz)				3482.01					
25	QPSK	1	1	15.74	15.85	15.71	17.5	0.0	
Channel				630668					
Frequency (MHz)				3480.02					
20	QPSK	1	1	15.69	15.84	15.83	17.5	0.0	
Channel				630500					
Frequency (MHz)				3487.5					
15	QPSK	1	1	15.74	15.76	15.81	17.5	0.0	
Channel				630334					
Frequency (MHz)				3485.01					
10	QPSK	1	1	15.76	15.72	15.76	17.5	0.0	

Part27Q n78 Ant1 Main_PA DSI1 PC2									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up [MHz]	MPR [dB]	
Channel				633334					
Frequency (MHz)				3500.01					
100	1/2 BPSK	1	1	18.92			20.5	0.0	
100	1/2 BPSK	1	137	18.88					
100	1/2 BPSK	1	271	18.81					
100	1/2 BPSK	135	0	18.80			20.5	0.0	
100	1/2 BPSK	135	69	18.89					
100	1/2 BPSK	135	138	18.91			20.5	0.0	
100	1/2 BPSK	270	0	18.81					
100	QPSK	1	1	18.85					
100	QPSK	1	137	18.81			20.5	0.0	
100	QPSK	1	271	18.91					
100	QPSK	135	0	18.83			20.5	0.0	
100	QPSK	135	69	18.94					
100	QPSK	135	138	18.78			20.5	0.0	
100	QPSK	270	0	18.81					
100	16QAM	1	1	18.89			20.5	0.0	
100	16QAM	1	1	18.78			20.5	0.0	
100	256QAM	1	1	18.83			20.5	0.0	
Channel				633000					
Frequency (MHz)				3495					
90	QPSK	1	1	18.81	18.87	18.79	20.5	0.0	
Channel				632668					
Frequency (MHz)				3493.02					
80	QPSK	1	1	18.67	18.91	18.88	20.5	0.0	
Channel				632334					
Frequency (MHz)				3493.01					
70	QPSK	1	1	18.79	18.89	18.91	20.5	0.0	
Channel				632000					
Frequency (MHz)				3499					
60	QPSK	1	1	18.67	18.94	18.93	20.5	0.0	
Channel				631668					
Frequency (MHz)				3475.02					
50	QPSK	1	1	18.84	18.89	18.80	20.5	0.0	
Channel				631334					
Frequency (MHz)				3470.01					
40	QPSK	1	1	18.65	18.80	18.83	20.5	0.0	
Channel				631000					
Frequency (MHz)				3485					
30	QPSK	1	1	18.69	18.80	18.78	20.5	0.0	
Channel				630834					
Frequency (MHz)				3482.01					
25	QPSK	1	1	18.80	18.78	18.80	20.5	0.0	
Channel				630668					
Frequency (MHz)				3480.02					
20	QPSK	1	1	18.70	18.84	18.80	20.5	0.0	
Channel				630500					
Frequency (MHz)				3487.5					
15	QPSK	1	1	18.71	18.86	18.93	20.5	0.0	
Channel				630334					
Frequency (MHz)				3485.01					
10	QPSK	1	1	18.67	18.81	18.76	20.5	0.0	



Reduced Power Mode for NSA DSI 2

n7 Ant0 Main_PA DSI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
504000				507000	510000			
Frequency (MHz)								
40	1/2 BPSK	1	1	23.33	23.50	23.49		
40	1/2 BPSK	1	108	23.43	23.37	23.46	24.0	0.0
40	1/2 BPSK	1	214	23.32	23.49	23.33		
40	1/2 BPSK	108	0	23.22	23.29	23.23	24.0	0.0
40	1/2 BPSK	108	54	23.43	23.36	23.40	24.0	0.0
40	1/2 BPSK	108	108	23.13	23.20	23.12	24.0	0.0
40	1/2 BPSK	216	0	23.05	23.15	23.09		
40	QPSK	1	1	23.38	23.51	23.32		
40	QPSK	1	108	23.42	23.48	23.49	24.0	0.0
40	QPSK	1	214	23.43	23.40	23.42		
40	QPSK	108	0	22.75	22.82	22.74	23.5	0.5
40	QPSK	108	54	23.33	23.46	23.36	24.0	0.0
40	QPSK	108	108	22.67	22.73	22.70	23.5	0.5
40	QPSK	216	0	22.67	22.71	22.65		
40	16QAM	1	1	22.79	22.81	22.73	23.5	0.5
40	16QAM	1	1	21.35	21.38	21.27	22.5	1.5
40	256QAM	1	1	19.34	19.37	19.31	20.0	4.0
Channel								
503500				507000	510500		Tune-up limit (dB)	MPR
Frequency (MHz)								
35	QPSK	1	1	23.40	23.48	23.49	24.0	0.0
Channel								
503000				507000	511000		Tune-up limit (dB)	MPR
Frequency (MHz)								
30	QPSK	1	1	23.35	23.40	23.43	24.0	0.0
Channel								
502500				507000	511500		Tune-up limit (dB)	MPR
Frequency (MHz)								
25	QPSK	1	1	23.25	23.47	23.38	24.0	0.0
Channel								
502000				507000	512000		Tune-up limit (dB)	MPR
Frequency (MHz)								
20	1/2 BPSK	1	1	23.36	23.43	23.40	24.0	0.0
Channel								
501500				507000	512500		Tune-up limit (dB)	MPR
Frequency (MHz)								
15	QPSK	1	1	23.34	23.41	23.37	24.0	0.0
Channel								
501000				507000	513000		Tune-up limit (dB)	MPR
Frequency (MHz)								
10	QPSK	1	1	23.44	23.49	23.37	24.0	0.0
Channel								
500500				507000	513500		Tune-up limit (dB)	MPR
Frequency (MHz)								
5	QPSK	1	1	23.31	23.45	23.39	24.0	0.0

n66 Ant0 Other PA DSI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
346000				349000	352000			
Frequency (MHz)								
40	1/2 BPSK	1	1	19.21	19.25	19.36		
40	1/2 BPSK	1	108	19.21	19.23	19.38	19.7	0.0
40	1/2 BPSK	1	214	19.16	19.23	19.21		
40	1/2 BPSK	108	0	19.21	19.37	19.32	19.7	0.0
40	1/2 BPSK	108	54	19.15	19.25	19.25	19.7	0.0
40	1/2 BPSK	108	108	19.27	19.22	19.38	19.7	0.0
40	1/2 BPSK	216	0	19.13	19.38	19.31		
40	QPSK	1	1	19.27	19.38	19.33		
40	QPSK	1	108	19.30	19.38	19.27	19.7	0.0
40	QPSK	1	214	19.22	19.38	19.27		
40	QPSK	108	0	19.16	19.21	19.23	19.7	0.0
40	QPSK	108	54	19.14	19.35	19.31	19.7	0.0
40	QPSK	108	108	19.26	19.28	19.22	19.7	0.0
40	QPSK	216	0	19.22	19.34	19.23		
40	16QAM	1	1	19.30	19.21	19.29	19.7	0.0
40	16QAM	1	1	19.29	19.27	19.25	19.7	0.0
40	256QAM	1	1	19.14	19.33	19.33	19.7	0.0
Channel								
345500				349000	352500		Tune-up limit (dB)	MPR
Frequency (MHz)								
35	QPSK	1	1	19.15	19.22	19.25	19.7	0.0
Channel								
345000				349000	353000		Tune-up limit (dB)	MPR
Frequency (MHz)								
30	QPSK	1	1	19.19	19.32	19.23	19.7	0.0
Channel								
344500				349000	353500		Tune-up limit (dB)	MPR
Frequency (MHz)								
25	QPSK	1	1	19.20	19.29	19.27	19.7	0.0
Channel								
344000				349000	354000		Tune-up limit (dB)	MPR
Frequency (MHz)								
20	QPSK	1	1	19.23	19.30	19.31	19.7	0.0
Channel								
343500				349000	354500		Tune-up limit (dB)	MPR
Frequency (MHz)								
15	QPSK	1	1	19.15	19.28	19.29	19.7	0.0
Channel								
343000				349000	355000		Tune-up limit (dB)	MPR
Frequency (MHz)								
10	QPSK	1	1	19.30	19.23	19.31	19.7	0.0
Channel								
342500				349000	355500		Tune-up limit (dB)	MPR
Frequency (MHz)								
5	QPSK	1	1	19.29	19.38	19.19	19.7	0.0



n38 Ant0 Main_PA DSI2								
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)
				519004	519000	519996		
				2590.02	2595	2599.98		
40	1/2 BPSK	1	1	22.74	22.82	22.87	23.0	0.0
40	1/2 BPSK	1	53	22.75	22.88	22.78		
40	1/2 BPSK	1	104	22.85	22.88	22.70		
40	1/2 BPSK	50	0	22.87	22.81	22.82	23.0	0.0
40	1/2 BPSK	50	28	22.80	22.78	22.73	23.0	0.0
40	1/2 BPSK	50	56	22.72	22.85	22.75	23.0	0.0
40	1/2 BPSK	100	0	22.70	22.90	22.86		
40	QPSK	1	1	22.74	22.83	22.78		
40	QPSK	1	53	22.86	22.82	22.79	23.0	0.0
40	QPSK	1	104	22.88	22.88	22.86		
40	QPSK	50	0	22.87	22.88	22.82	23.0	0.0
40	QPSK	50	28	22.74	22.86	22.79	23.0	0.0
40	QPSK	50	56	22.85	22.75	22.85	23.0	0.0
40	QPSK	100	0	22.84	22.71	22.81		
40	16QAM	1	1	22.89	22.75	22.89	23.0	0.0
40	8QAM	1	1	21.21	21.26	21.17	21.5	1.5
40	256QAM	1	1	19.15	19.22	19.15	19.5	3.5
				517002	519000	520998	Tune-up	MPR
				2583.01	2585	2584.99	limit	(dB)
30	QPSK	1	1	22.83	22.81	22.73	23.0	0.0
				516504	519000	521498	Tune-up	MPR
				2582.52	2585	2587.48	limit	(dB)
25	QPSK	1	1	22.73	22.82	22.74	23.0	0.0
				516000	519000	522000	Tune-up	MPR
				2580	2585	2580	limit	(dB)
20	QPSK	1	1	22.84	22.83	22.72	23.0	0.0
				515502	519000	522498	Tune-up	MPR
				2577.51	2585	2582.49	limit	(dB)
15	QPSK	1	1	22.84	22.93	22.83	23.0	0.0
				515004	519000	522996	Tune-up	MPR
				2575.02	2585	2584.98	limit	(dB)
10	QPSK	1	1	22.84	22.84	22.74	23.0	0.0

n41 Ant0 Main_PA DSI2								
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)
				509202	518998	528000		
				2546.01	2552.99	2640		
100	1/2 BPSK	1	1	22.53	22.63	22.58		
100	1/2 BPSK	1	197	22.47	22.63	22.51	23.0	0.0
100	1/2 BPSK	1	271	22.44	22.57	22.62		
100	1/2 BPSK	135	0	22.43	22.67	22.54	23.0	0.0
100	1/2 BPSK	135	69	22.47	22.54	22.55	23.0	0.0
100	1/2 BPSK	135	138	22.58	22.59	22.59	23.0	0.0
100	1/2 BPSK	270	0	22.54	22.52	22.55		
100	QPSK	1	1	22.51	22.68	22.57		
100	QPSK	1	137	22.60	22.55	22.60	23.0	0.0
100	QPSK	1	271	22.51	22.60	22.59		
100	QPSK	135	0	22.53	22.54	22.48	23.0	0.0
100	QPSK	135	69	22.58	22.65	22.60	23.0	0.0
100	QPSK	135	138	22.33	22.41	22.36	23.0	0.0
100	QPSK	270	0	22.58	22.65	22.41		
100	16QAM	1	1	22.59	22.57	22.62	23.0	0.0
100	8QAM	1	1	22.58	22.56	22.52	23.0	0.0
100	256QAM	1	1	21.67	21.71	21.69	22.0	1.0
				508200	518998	528996	Tune-up	MPR
				2541	2552.99	2644.98	limit	(dB)
50	QPSK	1	1	22.47	22.59	22.52	23.0	0.0
				507204	518998	529998	Tune-up	MPR
				2538.02	2552.99	2642.99	limit	(dB)
80	QPSK	1	1	22.58	22.58	22.55	23.0	0.0
				506202	518998	531000	Tune-up	MPR
				2531.01	2552.99	2655	limit	(dB)
70	QPSK	1	1	22.53	22.53	22.53	23.0	0.0
				505200	518998	531996	Tune-up	MPR
				2526	2552.99	2659.98	limit	(dB)
60	QPSK	1	1	22.51	22.53	22.54	23.0	0.0
				504204	518998	532998	Tune-up	MPR
				2521.02	2552.99	2664.99	limit	(dB)
50	QPSK	1	1	22.48	22.54	22.52	23.0	0.0
				503202	518998	534000	Tune-up	MPR
				2518.01	2552.99	2670	limit	(dB)
40	QPSK	1	1	22.55	22.56	22.49	23.0	0.0
				502200	518998	534996	Tune-up	MPR
				2511	2552.99	2674.98	limit	(dB)
30	QPSK	1	1	22.54	22.58	22.49	23.0	0.0
				502200	518998	534996	Tune-up	MPR
				2511	2552.99	2674.98	limit	(dB)
25	QPSK	1	1	22.50	22.65	22.63	23.0	0.0
				501204	518998	535998	Tune-up	MPR
				2508.02	2552.99	2679.99	limit	(dB)
20	QPSK	1	1	22.44	22.64	22.65	23.0	0.0
				500700	518998	536496	Tune-up	MPR
				2503.5	2552.99	2683.48	limit	(dB)
15	QPSK	1	1	22.43	22.60	22.57	23.0	0.0
				500202	518998	537000	Tune-up	MPR
				2501.01	2552.99	2685	limit	(dB)
10	QPSK	1	1	22.58	22.56	22.62	23.0	0.0



n7 Ant1 Main_PA DSI2									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)	
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.			
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	1/2 BPSK	1	1	20.14	20.13	20.07	21.0	0.0	
40	1/2 BPSK	1	108	20.20	20.22	20.04			
40	1/2 BPSK	1	214	20.13	20.14	20.05			
40	1/2 BPSK	108	0	20.12	20.28	20.13	21.0	0.0	
40	1/2 BPSK	108	54	20.15	20.14	20.08	21.0	0.0	
40	1/2 BPSK	108	108	20.09	20.30	20.12	21.0	0.0	
40	1/2 BPSK	216	0	20.10	20.23	20.10	21.0	0.0	
40	QPSK	1	1	20.17	20.33	20.08			
40	QPSK	1	108	20.11	20.23	20.13	21.0	0.0	
40	QPSK	1	214	20.06	20.20	20.19	21.0	0.0	
40	QPSK	108	0	20.09	20.16	20.08	21.0	0.0	
40	QPSK	108	54	20.05	20.27	20.21	21.0	0.0	
40	QPSK	108	108	20.14	20.19	20.16	21.0	0.0	
40	QPSK	216	0	20.18	20.24	20.10			
40	16QAM	1	1	20.16	20.16	20.14	21.0	0.0	
40	16QAM	1	1	20.11	20.13	20.15	21.0	0.0	
40	256QAM	1	1	19.12	19.22	19.12	20.0	1.0	
Channel				503500	507000	510500			
Frequency (MHz)				25175	2535	25225			
35	QPSK	1	1	20.07	20.18	20.15	21.0	0.0	
Channel				503000	507000	511000			
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	20.05	20.13	20.07	21.0	0.0	
Channel				502500	507000	511500			
Frequency (MHz)				25125	2535	25375			
25	QPSK	1	1	20.17	20.10	20.03	21.0	0.0	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2550			
20	1/2 BPSK	1	1	20.15	20.27	20.18	21.0	0.0	
Channel				501500	507000	512500			
Frequency (MHz)				25075	2535	25225			
15	QPSK	1	1	20.14	20.15	20.10	21.0	0.0	
Channel				501000	507000	513000			
Frequency (MHz)				2505	2535	2550			
10	QPSK	1	1	20.05	20.18	20.14	21.0	0.0	
Channel				500500	507000	513500			
Frequency (MHz)				25025	2535	25275			
5	QPSK	1	1	20.04	20.30	20.18	21.0	0.0	

n66 Ant1 Other PA DSI2									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)	
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.			
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	1/2 BPSK	1	1	20.60	20.74	20.64	21.2	0.0	
40	1/2 BPSK	1	108	20.73	20.68	20.70			
40	1/2 BPSK	1	214	20.63	20.65	20.75			
40	1/2 BPSK	108	0	20.69	20.68	20.63	21.2	0.0	
40	1/2 BPSK	108	54	20.77	20.71	20.68	21.2	0.0	
40	1/2 BPSK	108	108	20.70	20.70	20.76	21.2	0.0	
40	1/2 BPSK	216	0	20.64	20.67	20.68			
40	QPSK	1	1	20.61	20.65	20.71			
40	QPSK	1	108	20.77	20.73	20.76	21.2	0.0	
40	QPSK	1	214	20.65	20.75	20.67			
40	QPSK	108	0	20.72	20.75	20.61	21.2	0.0	
40	QPSK	108	54	20.68	20.61	20.63	21.2	0.0	
40	QPSK	108	108	20.60	20.64	20.61	21.2	0.0	
40	QPSK	216	0	20.64	20.70	20.77			
40	16QAM	1	1	20.61	20.66	20.78	21.2	0.0	
40	16QAM	1	1	20.60	20.78	20.62	21.2	0.0	
40	256QAM	1	1	20.77	20.68	20.62	21.2	0.0	
Channel				345500	349000	352500			
Frequency (MHz)				1727.5	1745	1722.5			
35	QPSK	1	1	20.68	20.61	20.65	21.2	0.0	
Channel				345000	349000	353000			
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	20.64	20.64	20.77	21.2	0.0	
Channel				344500	349000	353500			
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	20.69	20.62	20.77	21.2	0.0	
Channel				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	20.65	20.72	20.64	21.2	0.0	
Channel				343500	349000	354500			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	20.63	20.69	20.69	21.2	0.0	
Channel				343000	349000	355000			
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	20.61	20.69	20.69	21.2	0.0	
Channel				342500	349000	355500			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	20.64	20.67	20.74	21.2	0.0	



Part27Q n78 Ant1 Main_PA DS12								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Freq. (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	1/2 BPSK	1	1	18.72			18.5	0.0
100	1/2 BPSK	1	137	18.71				
100	1/2 BPSK	1	271	18.84				
100	1/2 BPSK	135	0	18.78			18.5	0.0
100	1/2 BPSK	135	69	18.88			18.5	0.0
100	1/2 BPSK	135	138	18.70			18.5	0.0
100	1/2 BPSK	270	0	18.79			18.5	0.0
100	QPSK	1	1	18.83				
100	QPSK	1	137	18.74			18.5	0.0
100	QPSK	1	271	18.74				
100	QPSK	135	0	18.74			18.5	0.0
100	QPSK	135	69	18.82			18.5	0.0
100	QPSK	135	138	18.79			18.5	0.0
100	QPSK	270	0	18.75			18.5	0.0
100	16QAM	1	1	18.81			18.5	0.0
100	16QAM	1	1	18.86			18.5	0.0
100	256QAM	1	1	18.87			18.5	0.0
Channel				633000				
Frequency (MHz)				3495				
90	QPSK	1	1	18.67	18.73	18.84	18.5	0.0
Channel				632668				
Frequency (MHz)				3490.02				
80	QPSK	1	1	18.73	18.73	18.73	18.5	0.0
Channel				632334				
Frequency (MHz)				3485.01				
70	QPSK	1	1	18.67	18.82	18.70	18.5	0.0
Channel				632000				
Frequency (MHz)				3480				
60	QPSK	1	1	18.68	18.83	18.83	18.5	0.0
Channel				631668				
Frequency (MHz)				3475.02				
50	QPSK	1	1	18.70	18.74	18.74	18.5	0.0
Channel				631334				
Frequency (MHz)				3470.01				
40	QPSK	1	1	18.71	18.82	18.78	18.5	0.0
Channel				631000				
Frequency (MHz)				3465				
30	QPSK	1	1	18.73	18.73	18.70	18.5	0.0
Channel				630834				
Frequency (MHz)				3460.02				
25	QPSK	1	1	18.70	18.84	18.83	18.5	0.0
Channel				630668				
Frequency (MHz)				3455.01				
20	QPSK	1	1	18.74	18.74	18.81	18.5	0.0
Channel				630500				
Frequency (MHz)				3450.02				
15	QPSK	1	1	18.78	18.78	18.72	18.5	0.0
Channel				630334				
Frequency (MHz)				3445.01				
10	QPSK	1	1	18.73	18.83	18.82	18.5	0.0

Part27Q n78 Ant1 Main_PA DS12 PC2								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Freq. (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	1/2 BPSK	1	1	19.80			21.5	0.0
100	1/2 BPSK	1	137	19.85				
100	1/2 BPSK	1	271	19.78				
100	1/2 BPSK	135	0	19.71			21.5	0.0
100	1/2 BPSK	135	69	19.80			21.5	0.0
100	1/2 BPSK	135	138	19.70			21.5	0.0
100	1/2 BPSK	270	0	19.75			21.5	0.0
100	QPSK	1	1	19.83				
100	QPSK	1	137	19.74			21.5	0.0
100	QPSK	1	271	19.81				
100	QPSK	135	0	19.77			21.5	0.0
100	QPSK	135	69	19.85			21.5	0.0
100	QPSK	135	138	19.84			21.5	0.0
100	QPSK	270	0	19.71			21.5	0.0
100	16QAM	1	1	19.76			21.5	0.0
100	16QAM	1	1	19.87			21.5	0.0
100	256QAM	1	1	19.92			21.0	0.5
Channel				633000				
Frequency (MHz)				3495				
90	QPSK	1	1	19.87	19.80	19.91	21.5	0.0
Channel				632668				
Frequency (MHz)				3490.02				
80	QPSK	1	1	19.65	19.87	19.91	21.5	0.0
Channel				632334				
Frequency (MHz)				3485.01				
70	QPSK	1	1	19.69	19.83	19.89	21.5	0.0
Channel				632000				
Frequency (MHz)				3480				
60	QPSK	1	1	19.71	19.84	19.79	21.5	0.0
Channel				631668				
Frequency (MHz)				3475.02				
50	QPSK	1	1	19.88	19.81	19.90	21.5	0.0
Channel				631334				
Frequency (MHz)				3470.01				
40	QPSK	1	1	19.60	19.74	19.81	21.5	0.0
Channel				631000				
Frequency (MHz)				3465				
30	QPSK	1	1	19.72	19.86	19.81	21.5	0.0
Channel				630834				
Frequency (MHz)				3460.02				
25	QPSK	1	1	19.72	19.73	19.88	21.5	0.0
Channel				630668				
Frequency (MHz)				3455.01				
20	QPSK	1	1	19.72	19.77	19.78	21.5	0.0
Channel				630500				
Frequency (MHz)				3450.02				
15	QPSK	1	1	19.71	19.82	19.82	21.5	0.0
Channel				630334				
Frequency (MHz)				3445.01				
10	QPSK	1	1	19.60	19.85	19.79	21.5	0.0



Reduced Power Mode for NSA DSI3

n7 Ant0 Main_PA DSI3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	W/2 BPSK	1	1	23.33	23.50	23.49			
40	W/2 BPSK	1	108	23.43	23.37	23.46	24.0	0.0	
40	W/2 BPSK	1	214	23.32	23.49	23.33			
40	W/2 BPSK	108	0	23.22	23.29	23.23	24.0	0.0	
40	W/2 BPSK	108	54	23.43	23.38	23.40	24.0	0.0	
40	W/2 BPSK	108	108	23.13	23.20	23.12			
40	W/2 BPSK	216	0	23.05	23.15	23.09	24.0	0.0	
40	QPSK	1	1	23.38	23.51	23.32			
40	QPSK	1	108	23.42	23.46	23.49	24.0	0.0	
40	QPSK	1	214	23.43	23.40	23.42			
40	QPSK	108	0	22.75	22.82	22.74	23.5	0.5	
40	QPSK	108	54	23.33	23.45	23.36	24.0	0.0	
40	QPSK	108	108	22.67	22.73	22.70	23.5	0.5	
40	QPSK	216	0	22.67	22.71	22.65	23.5	0.5	
40	16QAM	1	1	22.79	22.81	22.73	23.5	0.5	
40	16QAM	1	1	21.35	21.38	21.27	22.5	1.5	
40	256QAM	1	1	19.34	19.37	19.31	20.0	4.0	
Channel				503500	507000	510500	Tune-up	MPR	
Frequency (MHz)				2517.5	2535	2552.5	limit	(dB)	
35	QPSK	1	1	23.40	23.46	23.49	24.0	0.0	
Channel				503000	507000	511000	Tune-up	MPR	
Frequency (MHz)				2515	2535	2555	limit	(dB)	
30	QPSK	1	1	23.35	23.40	23.43	24.0	0.0	
Channel				502500	507000	511500	Tune-up	MPR	
Frequency (MHz)				2512.5	2535	2557.5	limit	(dB)	
25	QPSK	1	1	23.29	23.47	23.38	24.0	0.0	
Channel				502000	507000	512000	Tune-up	MPR	
Frequency (MHz)				2510	2535	2560	limit	(dB)	
20	W/2 BPSK	1	1	23.38	23.43	23.40	24.0	0.0	
Channel				501500	507000	512500	Tune-up	MPR	
Frequency (MHz)				2507.5	2535	2562.5	limit	(dB)	
15	QPSK	1	1	23.34	23.41	23.37	24.0	0.0	
Channel				501000	507000	513000	Tune-up	MPR	
Frequency (MHz)				2505	2535	2565	limit	(dB)	
10	QPSK	1	1	23.41	23.49	23.37	24.0	0.0	
Channel				500500	507000	513500	Tune-up	MPR	
Frequency (MHz)				2502.5	2535	2567.5	limit	(dB)	
5	QPSK	1	1	23.31	23.45	23.39	24.0	0.0	

n66 Ant0 Other PA DSI3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	W/2 BPSK	1	1	19.21	19.25	19.38			
40	W/2 BPSK	1	108	19.21	19.23	19.38	19.7	0.0	
40	W/2 BPSK	1	214	19.16	19.23	19.21			
40	W/2 BPSK	108	0	19.21	19.37	19.32	19.7	0.0	
40	W/2 BPSK	108	54	19.15	19.25	19.25	19.7	0.0	
40	W/2 BPSK	108	108	19.27	19.22	19.36			
40	W/2 BPSK	216	0	19.13	19.38	19.31	19.7	0.0	
40	QPSK	1	1	19.27	19.30	19.33			
40	QPSK	1	108	19.30	19.36	19.27	19.7	0.0	
40	QPSK	1	214	19.22	19.30	19.27			
40	QPSK	108	0	19.16	19.21	19.23	19.7	0.0	
40	QPSK	108	54	19.14	19.35	19.31	19.7	0.0	
40	QPSK	108	108	19.28	19.28	19.22	19.7	0.0	
40	QPSK	216	0	19.22	19.34	19.23			
40	16QAM	1	1	19.30	19.21	19.29	19.7	0.0	
40	16QAM	1	1	19.26	19.27	19.25	19.7	0.0	
40	256QAM	1	1	19.14	19.33	19.33	19.7	0.0	
Channel				345500	349000	352500	Tune-up	MPR	
Frequency (MHz)				1727.5	1745	1762.5	limit	(dB)	
35	QPSK	1	1	19.15	19.22	19.25	19.7	0.0	
Channel				345000	349000	353000	Tune-up	MPR	
Frequency (MHz)				1725	1745	1765	limit	(dB)	
30	QPSK	1	1	19.19	19.32	19.23	19.7	0.0	
Channel				344500	349000	353500	Tune-up	MPR	
Frequency (MHz)				1722.5	1745	1767.5	limit	(dB)	
25	QPSK	1	1	19.20	19.29	19.27	19.7	0.0	
Channel				344000	349000	354000	Tune-up	MPR	
Frequency (MHz)				1720	1745	1770	limit	(dB)	
20	QPSK	1	1	19.23	19.30	19.31	19.7	0.0	
Channel				343500	349000	354500	Tune-up	MPR	
Frequency (MHz)				1717.5	1745	1772.5	limit	(dB)	
15	QPSK	1	1	19.15	19.28	19.29	19.7	0.0	
Channel				343000	349000	355000	Tune-up	MPR	
Frequency (MHz)				1715	1745	1775	limit	(dB)	
10	QPSK	1	1	19.30	19.23	19.31	19.7	0.0	
Channel				342500	349000	355500	Tune-up	MPR	
Frequency (MHz)				1712.5	1745	1777.5	limit	(dB)	
5	QPSK	1	1	19.29	19.36	19.19	19.7	0.0	



n38 Ant0 Main_PA DSI3								
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)
				519004	519000	519996		
				2590.02	2595	2599.98		
40	1/2 BPSK	1	1	22.74	22.82	22.87	23.0	0.0
40	1/2 BPSK	1	53	22.75	22.88	22.78		
40	1/2 BPSK	1	104	22.85	22.88	22.70		
40	1/2 BPSK	50	0	22.87	22.81	22.82	23.0	0.0
40	1/2 BPSK	50	28	22.80	22.78	22.73	23.0	0.0
40	1/2 BPSK	50	56	22.72	22.85	22.75	23.0	0.0
40	1/2 BPSK	100	0	22.70	22.90	22.86		
40	QPSK	1	1	22.74	22.83	22.78		
40	QPSK	1	53	22.86	22.82	22.79	23.0	0.0
40	QPSK	1	104	22.88	22.88	22.86		
40	QPSK	50	0	22.87	22.88	22.82	23.0	0.0
40	QPSK	50	28	22.74	22.86	22.79	23.0	0.0
40	QPSK	50	56	22.85	22.75	22.85	23.0	0.0
40	QPSK	100	0	22.84	22.71	22.81		
40	16QAM	1	1	22.89	22.75	22.89	23.0	0.0
40	8QAM	1	1	21.21	21.26	21.17	21.5	1.5
40	256QAM	1	1	19.15	19.22	19.15	19.5	3.5
				517002	519000	520998	Tune-up limit (dB)	MPR
				2583.01	2585	2584.99		
30	QPSK	1	1	22.83	22.81	22.73	23.0	0.0
				516504	519000	521498	Tune-up limit (dB)	MPR
				2582.52	2585	2587.48		
25	QPSK	1	1	22.73	22.82	22.74	23.0	0.0
				516000	519000	522000	Tune-up limit (dB)	MPR
				2580	2585	2580		
20	QPSK	1	1	22.84	22.83	22.82	23.0	0.0
				515502	519000	522498	Tune-up limit (dB)	MPR
				2577.51	2585	2582.49		
15	QPSK	1	1	22.84	22.93	22.83	23.0	0.0
				515004	519000	522996	Tune-up limit (dB)	MPR
				2575.02	2585	2584.98		
10	QPSK	1	1	22.84	22.84	22.74	23.0	0.0

n41 Ant0 Main_PA DSI3								
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)
				509202	518998	520000		
				2546.01	2552.99	2540		
100	1/2 BPSK	1	1	22.53	22.63	22.58	23.0	0.0
100	1/2 BPSK	1	197	22.47	22.63	22.51		
100	1/2 BPSK	1	271	22.44	22.57	22.62		
100	1/2 BPSK	135	0	22.43	22.67	22.54	23.0	0.0
100	1/2 BPSK	135	69	22.47	22.54	22.55	23.0	0.0
100	1/2 BPSK	135	138	22.58	22.59	22.59	23.0	0.0
100	1/2 BPSK	270	0	22.54	22.52	22.55		
100	QPSK	1	1	22.51	22.68	22.57		
100	QPSK	1	137	22.60	22.55	22.60	23.0	0.0
100	QPSK	1	271	22.51	22.60	22.59		
100	QPSK	135	0	22.53	22.54	22.48	23.0	0.0
100	QPSK	135	69	22.58	22.65	22.60	23.0	0.0
100	QPSK	135	138	22.33	22.41	22.36	23.0	0.0
100	QPSK	270	0	22.58	22.65	22.41		
100	16QAM	1	1	22.59	22.57	22.62	23.0	0.0
100	8QAM	1	1	22.58	22.56	22.52	23.0	0.0
100	256QAM	1	1	21.67	21.71	21.69	22.0	1.0
				508200	518998	520998	Tune-up limit (dB)	MPR
				2541	2552.99	2544.98		
50	QPSK	1	1	22.47	22.59	22.52	23.0	0.0
				507204	518998	520998	Tune-up limit (dB)	MPR
				2538.02	2552.99	2542.99		
80	QPSK	1	1	22.58	22.58	22.55	23.0	0.0
				506202	518998	531000	Tune-up limit (dB)	MPR
				2531.01	2552.99	2555		
70	QPSK	1	1	22.53	22.53	22.53	23.0	0.0
				505200	518998	531996	Tune-up limit (dB)	MPR
				2526	2552.99	2554.98		
60	QPSK	1	1	22.51	22.53	22.54	23.0	0.0
				504204	518998	532998	Tune-up limit (dB)	MPR
				2521.02	2552.99	2564.98		
50	QPSK	1	1	22.48	22.54	22.52	23.0	0.0
				503202	518998	534000	Tune-up limit (dB)	MPR
				2518.01	2552.99	2560		
40	QPSK	1	1	22.55	22.56	22.49	23.0	0.0
				502200	518998	534998	Tune-up limit (dB)	MPR
				2511	2552.99	2574.98		
30	QPSK	1	1	22.54	22.58	22.49	23.0	0.0
				502200	518998	534998	Tune-up limit (dB)	MPR
				2511	2552.99	2574.98		
25	QPSK	1	1	22.50	22.65	22.63	23.0	0.0
				501204	518998	535998	Tune-up limit (dB)	MPR
				2508.02	2552.99	2578.02		
20	QPSK	1	1	22.44	22.64	22.65	23.0	0.0
				500700	518998	536498	Tune-up limit (dB)	MPR
				2503.5	2552.99	2583.48		
15	QPSK	1	1	22.43	22.60	22.57	23.0	0.0
				500202	518998	537000	Tune-up limit (dB)	MPR
				2501.01	2552.99	2585		
10	QPSK	1	1	22.58	22.56	22.62	23.0	0.0



n7 Ant1 Main_PA DSI3								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. F.Freq. 504000	Middle Ch. F.Freq. 507000	High Ch. F.Freq. 510000		
Channel								
Frequency (MHz)				2520	2535	2550		
40	1/2 BPSK	1	1	20.14	20.13	20.07	21.0	0.0
40	1/2 BPSK	1	108	20.20	20.22	20.04		
40	1/2 BPSK	1	214	20.13	20.14	20.05		
40	1/2 BPSK	108	0	20.12	20.28	20.13	21.0	0.0
40	1/2 BPSK	108	54	20.15	20.14	20.08	21.0	0.0
40	1/2 BPSK	108	108	20.09	20.30	20.12	21.0	0.0
40	1/2 BPSK	216	0	20.10	20.23	20.10	21.0	0.0
40	QPSK	1	1	20.17	20.33	20.08		
40	QPSK	1	108	20.11	20.23	20.13	21.0	0.0
40	QPSK	1	214	20.06	20.20	20.19	21.0	0.0
40	QPSK	108	0	20.09	20.16	20.08	21.0	0.0
40	QPSK	108	54	20.05	20.27	20.21	21.0	0.0
40	QPSK	108	108	20.14	20.19	20.16	21.0	0.0
40	QPSK	216	0	20.15	20.24	20.10		
40	16QAM	1	1	20.16	20.16	20.14	21.0	0.0
40	16QAM	1	1	20.11	20.13	20.15	21.0	0.0
40	256QAM	1	1	19.12	19.22	19.12	20.0	1.0
Channel								
Frequency (MHz)				503500	507000	510500	Tune-up	MPR
35	QPSK	1	1	20.175	20.35	20.245	limit (dB)	
35	QPSK	1	1	20.07	20.18	20.15	21.0	0.0
Channel								
Frequency (MHz)				503000	507000	511000	Tune-up	MPR
30	QPSK	1	1	20.15	20.35	20.25	limit (dB)	
30	QPSK	1	1	20.05	20.15	20.07	21.0	0.0
Channel								
Frequency (MHz)				502500	507000	511500	Tune-up	MPR
25	QPSK	1	1	20.125	20.35	20.275	limit (dB)	
25	QPSK	1	1	20.17	20.19	20.03	21.0	0.0
Channel								
Frequency (MHz)				502000	507000	512000	Tune-up	MPR
20	1/2 BPSK	1	1	20.10	20.22	20.18	21.0	0.0
20	1/2 BPSK	1	1	20.15	20.22	20.18	21.0	0.0
Channel								
Frequency (MHz)				501500	507000	512500	Tune-up	MPR
15	QPSK	1	1	20.125	20.35	20.265	limit (dB)	
15	QPSK	1	1	20.14	20.18	20.10	21.0	0.0
Channel								
Frequency (MHz)				501000	507000	513000	Tune-up	MPR
10	QPSK	1	1	20.08	20.18	20.14	21.0	0.0
10	QPSK	1	1	20.08	20.18	20.14	21.0	0.0
Channel								
Frequency (MHz)				500500	507000	513500	Tune-up	MPR
5	QPSK	1	1	20.04	20.30	20.18	21.0	0.0

n66 Ant1 Other PA DSI3								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. F.Freq. 346000	Middle Ch. F.Freq. 349000	High Ch. F.Freq. 352000		
Channel								
Frequency (MHz)				1730	1745	1760		
40	1/2 BPSK	1	1	20.60	20.74	20.64	21.2	0.0
40	1/2 BPSK	1	108	20.73	20.68	20.70		
40	1/2 BPSK	1	214	20.63	20.65	20.75		
40	1/2 BPSK	108	0	20.69	20.68	20.63	21.2	0.0
40	1/2 BPSK	108	54	20.77	20.71	20.68	21.2	0.0
40	1/2 BPSK	108	108	20.70	20.70	20.76	21.2	0.0
40	1/2 BPSK	216	0	20.64	20.67	20.68		
40	QPSK	1	1	20.61	20.65	20.71		
40	QPSK	1	108	20.77	20.73	20.76	21.2	0.0
40	QPSK	1	214	20.65	20.75	20.67		
40	QPSK	108	0	20.72	20.75	20.61	21.2	0.0
40	QPSK	108	54	20.68	20.81	20.63	21.2	0.0
40	QPSK	108	108	20.60	20.64	20.61	21.2	0.0
40	QPSK	216	0	20.64	20.70	20.77		
40	16QAM	1	1	20.61	20.66	20.78	21.2	0.0
40	16QAM	1	1	20.60	20.78	20.62	21.2	0.0
40	256QAM	1	1	20.77	20.68	20.62	21.2	0.0
Channel								
Frequency (MHz)				345000	349000	352000	Tune-up	MPR
35	QPSK	1	1	1727.5	1745	1723.5	limit (dB)	
35	QPSK	1	1	20.58	20.51	20.55	21.2	0.0
Channel								
Frequency (MHz)				345000	349000	353000	Tune-up	MPR
30	QPSK	1	1	1725	1745	1765	limit (dB)	
30	QPSK	1	1	20.64	20.64	20.77	21.2	0.0
Channel								
Frequency (MHz)				344500	349000	353500	Tune-up	MPR
25	QPSK	1	1	1722.5	1745	1727.5	limit (dB)	
25	QPSK	1	1	20.60	20.52	20.77	21.2	0.0
Channel								
Frequency (MHz)				344000	349000	354000	Tune-up	MPR
20	QPSK	1	1	1720	1745	1770	limit (dB)	
20	QPSK	1	1	20.65	20.72	20.64	21.2	0.0
Channel								
Frequency (MHz)				343500	349000	354500	Tune-up	MPR
15	QPSK	1	1	1717.5	1745	1722.5	limit (dB)	
15	QPSK	1	1	20.63	20.60	20.68	21.2	0.0
Channel								
Frequency (MHz)				343000	349000	355000	Tune-up	MPR
10	QPSK	1	1	1715	1745	1725	limit (dB)	
10	QPSK	1	1	20.71	20.68	20.59	21.2	0.0
Channel								
Frequency (MHz)				342500	349000	355500	Tune-up	MPR
5	QPSK	1	1	1712.5	1745	1727.5	limit (dB)	
5	QPSK	1	1	20.64	20.67	20.74	21.2	0.0



Part27Q n78 Ant1 Main_PA DS13							
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up MPR (dB)
Channel				633334	633334		
Frequency (MHz)				3500.01			
100	1/2 BPSK	1	1	16.72			18.5 0.0
100	1/2 BPSK	1	137	16.71			
100	1/2 BPSK	1	271	16.84			
100	1/2 BPSK	135	0	16.76			18.5 0.0
100	1/2 BPSK	135	69	16.86			18.5 0.0
100	1/2 BPSK	135	138	16.70			18.5 0.0
100	1/2 BPSK	270	0	16.79			18.5 0.0
100	QPSK	1	1	16.83			
100	QPSK	1	137	16.74			18.5 0.0
100	QPSK	1	271	16.74			
100	QPSK	135	0	16.74			18.5 0.0
100	QPSK	135	69	16.82			18.5 0.0
100	QPSK	135	138	16.79			18.5 0.0
100	QPSK	270	0	16.75			18.5 0.0
100	16QAM	1	1	16.81			18.5 0.0
100	16QAM	1	1	16.86			18.5 0.0
100	256QAM	1	1	16.87			18.5 0.0
Channel				633000	633334	633668	Tune-up MPR
Frequency (MHz)				3485	3500.01	3525.02	lim (dB)
90	QPSK	1	1	16.67	16.73	16.84	18.5 0.0
Channel				632668	633334	634000	Tune-up MPR
Frequency (MHz)				3490.02	3500.01	3510	lim (dB)
80	QPSK	1	1	16.73	16.73	16.73	18.5 0.0
Channel				632334	633334	634334	Tune-up MPR
Frequency (MHz)				3483.01	3500.01	3516.01	lim (dB)
70	QPSK	1	1	16.67	16.69	16.70	18.5 0.0
Channel				632000	633334	634668	Tune-up MPR
Frequency (MHz)				3480	3500.01	3520.02	lim (dB)
60	QPSK	1	1	16.68	16.69	16.69	18.5 0.0
Channel				631668	633334	635000	Tune-up MPR
Frequency (MHz)				3475.02	3500.01	3505	lim (dB)
50	QPSK	1	1	16.70	16.74	16.74	18.5 0.0
Channel				631334	633334	635334	Tune-up MPR
Frequency (MHz)				3470.01	3500.01	3530.01	lim (dB)
40	QPSK	1	1	16.71	16.82	16.78	18.5 0.0
Channel				631000	633334	635668	Tune-up MPR
Frequency (MHz)				3465	3500.01	3535.02	lim (dB)
30	QPSK	1	1	16.73	16.73	16.70	18.5 0.0
Channel				630834	633334	635834	Tune-up MPR
Frequency (MHz)				3462.01	3500.01	3537.01	lim (dB)
25	QPSK	1	1	16.70	16.84	16.83	18.5 0.0
Channel				630668	633334	636000	Tune-up MPR
Frequency (MHz)				3460.02	3500.01	3540	lim (dB)
20	QPSK	1	1	16.74	16.74	16.81	18.5 0.0
Channel				630500	633334	636168	Tune-up MPR
Frequency (MHz)				3457.5	3500.01	3542.52	lim (dB)
15	QPSK	1	1	16.78	16.78	16.72	18.5 0.0
Channel				630334	633334	636334	Tune-up MPR
Frequency (MHz)				3455.01	3500.01	3545.01	lim (dB)
10	QPSK	1	1	16.73	16.83	16.82	18.5 0.0

Part27Q n78 Ant1 Main_PA DS13 PC2							
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up MPR (dB)
Channel				633334	633334		
Frequency (MHz)				3500.01			
100	1/2 BPSK	1	1	16.80			21.5 0.0
100	1/2 BPSK	1	137	16.85			
100	1/2 BPSK	1	271	16.76			
100	1/2 BPSK	135	0	16.71			21.5 0.0
100	1/2 BPSK	135	69	16.80			21.5 0.0
100	1/2 BPSK	135	138	16.70			21.5 0.0
100	1/2 BPSK	270	0	16.75			21.5 0.0
100	QPSK	1	1	16.83			
100	QPSK	1	137	16.74			21.5 0.0
100	QPSK	1	271	16.81			
100	QPSK	135	0	16.77			21.5 0.0
100	QPSK	135	69	16.85			21.5 0.0
100	QPSK	135	138	16.84			21.5 0.0
100	QPSK	270	0	16.81			21.5 0.0
100	16QAM	1	1	16.76			21.5 0.0
100	16QAM	1	1	16.87			21.5 0.0
100	256QAM	1	1	16.92			21.0 0.5
Channel				633000	633334	633668	Tune-up MPR
Frequency (MHz)				3485	3500.01	3525.02	lim (dB)
90	QPSK	1	1	16.67	16.69	16.81	21.5 0.0
Channel				632668	633334	634000	Tune-up MPR
Frequency (MHz)				3490.02	3500.01	3510	lim (dB)
80	QPSK	1	1	16.65	16.67	16.81	21.5 0.0
Channel				632334	633334	634334	Tune-up MPR
Frequency (MHz)				3483.01	3500.01	3516.01	lim (dB)
70	QPSK	1	1	16.69	16.63	16.69	21.5 0.0
Channel				632000	633334	634668	Tune-up MPR
Frequency (MHz)				3480	3500.01	3520.02	lim (dB)
60	QPSK	1	1	16.71	16.64	16.79	21.5 0.0
Channel				631668	633334	635000	Tune-up MPR
Frequency (MHz)				3475.02	3500.01	3505	lim (dB)
50	QPSK	1	1	16.68	16.81	16.80	21.5 0.0
Channel				631334	633334	635334	Tune-up MPR
Frequency (MHz)				3470.01	3500.01	3530.01	lim (dB)
40	QPSK	1	1	16.60	16.74	16.81	21.5 0.0
Channel				631000	633334	635668	Tune-up MPR
Frequency (MHz)				3465	3500.01	3535.02	lim (dB)
30	QPSK	1	1	16.72	16.66	16.81	21.5 0.0
Channel				630834	633334	635834	Tune-up MPR
Frequency (MHz)				3462.01	3500.01	3537.01	lim (dB)
25	QPSK	1	1	16.72	16.73	16.86	21.5 0.0
Channel				630668	633334	636000	Tune-up MPR
Frequency (MHz)				3460.02	3500.01	3540	lim (dB)
20	QPSK	1	1	16.72	16.77	16.76	21.5 0.0
Channel				630500	633334	636168	Tune-up MPR
Frequency (MHz)				3457.5	3500.01	3542.52	lim (dB)
15	QPSK	1	1	16.71	16.82	16.82	21.5 0.0
Channel				630334	633334	636334	Tune-up MPR
Frequency (MHz)				3455.01	3500.01	3545.01	lim (dB)
10	QPSK	1	1	16.60	16.85	16.79	21.5 0.0



Reduced Power Mode for NSA DSI 4

n7 Ant0 Main_PA DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	1/2 BPSK	1	1	15.77	15.82	15.78	16.5	0.0	
40	1/2 BPSK	1	108	15.77	15.82	15.81			
40	1/2 BPSK	1	214	15.78	15.79	15.80			
40	1/2 BPSK	108	0	15.77	15.80	15.79	16.5	0.0	
40	1/2 BPSK	108	54	15.74	15.83	15.81	16.5	0.0	
40	1/2 BPSK	108	108	15.74	15.79	15.78	16.5	0.0	
40	1/2 BPSK	216	0	15.75	15.84	15.80			
40	QPSK	1	1	15.77	15.80	15.84			
40	QPSK	1	108	15.77	15.82	15.79	16.5	0.0	
40	QPSK	1	214	15.72	15.81	15.81			
40	QPSK	108	0	15.75	15.84	15.83	16.5	0.0	
40	QPSK	108	54	15.78	15.85	15.81	16.5	0.0	
40	QPSK	108	108	15.74	15.81	15.78	16.5	0.0	
40	QPSK	216	0	15.75	15.85	15.84			
40	16QAM	1	1	15.75	15.85	15.84	16.5	0.0	
40	16QAM	1	108	15.75	15.83	15.82	16.5	0.0	
40	16QAM	1	214	15.74	15.83	15.81	16.5	0.0	
40	16QAM	1	108	15.74	15.83	15.81	16.5	0.0	
Channel				503500	507000	510500	Tune-up	MPR	
Frequency (MHz)				25175	2535	25525	limit	(dB)	
35	QPSK	1	1	15.74	15.84	15.77	16.5	0.0	
Channel				503000	507000	511000	Tune-up	MPR	
Frequency (MHz)				2515	2535	2555	limit	(dB)	
30	QPSK	1	1	15.68	15.80	15.79	16.5	0.0	
Channel				502500	507000	511500	Tune-up	MPR	
Frequency (MHz)				25125	2535	25575	limit	(dB)	
25	QPSK	1	1	15.72	15.86	15.81	16.5	0.0	
Channel				502000	507000	512000	Tune-up	MPR	
Frequency (MHz)				2510	2535	2560	limit	(dB)	
20	1/2 BPSK	1	1	15.65	15.84	15.80	16.5	0.0	
Channel				501500	507000	512500	Tune-up	MPR	
Frequency (MHz)				25075	2535	25625	limit	(dB)	
15	QPSK	1	1	15.65	15.82	15.80	16.5	0.0	
Channel				501000	507000	513000	Tune-up	MPR	
Frequency (MHz)				25050	2535	25650	limit	(dB)	
10	QPSK	1	1	15.61	15.81	15.78	16.5	0.0	
Channel				500500	507000	513500	Tune-up	MPR	
Frequency (MHz)				25025	2535	25675	limit	(dB)	
5	QPSK	1	1	15.61	15.53	15.51	16.5	0.0	

n66 Ant0 Other_PA DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	1/2 BPSK	1	1	13.19	13.31	13.28	13.7	0.0	
40	1/2 BPSK	1	108	13.24	13.28	13.27			
40	1/2 BPSK	1	214	13.21	13.29	13.29			
40	1/2 BPSK	108	0	13.24	13.28	13.27	13.7	0.0	
40	1/2 BPSK	108	54	13.24	13.29	13.30	13.7	0.0	
40	1/2 BPSK	108	108	13.24	13.30	13.29	13.7	0.0	
40	1/2 BPSK	216	0	13.22	13.27	13.24			
40	QPSK	1	1	13.20	13.38	13.25			
40	QPSK	1	108	13.22	13.27	13.24	13.7	0.0	
40	QPSK	1	214	13.21	13.32	13.24			
40	QPSK	108	0	13.25	13.28	13.27	13.7	0.0	
40	QPSK	108	54	13.23	13.34	13.26	13.7	0.0	
40	QPSK	108	108	13.24	13.29	13.27	13.7	0.0	
40	QPSK	216	0	13.25	13.29	13.24			
40	16QAM	1	1	13.23	13.27	13.25	13.7	0.0	
40	16QAM	1	108	13.20	13.31	13.25	13.7	0.0	
40	16QAM	1	214	13.25	13.28	13.28	13.7	0.0	
40	16QAM	1	108	13.25	13.28	13.28	13.7	0.0	
Channel				345500	349000	352500	Tune-up	MPR	
Frequency (MHz)				17275	1745	17625	limit	(dB)	
35	QPSK	1	1	13.17	13.27	13.22	13.7	0.0	
Channel				345000	349000	353000	Tune-up	MPR	
Frequency (MHz)				1725	1745	1765	limit	(dB)	
30	QPSK	1	1	13.12	13.30	13.19	13.7	0.0	
Channel				344500	349000	353500	Tune-up	MPR	
Frequency (MHz)				17225	1745	17675	limit	(dB)	
25	QPSK	1	1	13.16	13.29	13.17	13.7	0.0	
Channel				344000	349000	354000	Tune-up	MPR	
Frequency (MHz)				1720	1745	1770	limit	(dB)	
20	QPSK	1	1	13.11	13.29	13.16	13.7	0.0	
Channel				343500	349000	354500	Tune-up	MPR	
Frequency (MHz)				17175	1745	17725	limit	(dB)	
15	QPSK	1	1	13.13	13.28	13.16	13.7	0.0	
Channel				343000	349000	355000	Tune-up	MPR	
Frequency (MHz)				1715	1745	1775	limit	(dB)	
10	QPSK	1	1	13.12	13.28	13.20	13.7	0.0	
Channel				342500	349000	355500	Tune-up	MPR	
Frequency (MHz)				17125	1745	17775	limit	(dB)	
5	QPSK	1	1	13.16	13.28	13.20	13.7	0.0	



n38 Ant0 Main_PA DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 519004	Power Middle Ch. / Freq. 519000	Power High Ch. / Freq. 519996	Tune-up err. (dB)	MPR (dB)	
				Frequency (MHz)	2590.02	2595	2599.98		
40	1/2 BPSK	1	1	15.80	15.87	15.78	16.0	0.0	
40	1/2 BPSK	1	53	15.79	15.84	15.80	16.0	0.0	
40	1/2 BPSK	1	104	15.78	15.84	15.77	16.0	0.0	
40	1/2 BPSK	50	0	15.78	15.88	15.77	16.0	0.0	
40	1/2 BPSK	50	28	15.82	15.85	15.75	16.0	0.0	
40	1/2 BPSK	50	56	15.80	15.85	15.76	16.0	0.0	
40	1/2 BPSK	100	0	15.79	15.83	15.76	16.0	0.0	
40	QPSK	1	1	15.77	15.83	15.80	16.0	0.0	
40	QPSK	1	53	15.80	15.85	15.78	16.0	0.0	
40	QPSK	1	104	15.79	15.83	15.76	16.0	0.0	
40	QPSK	50	0	15.82	15.87	15.77	16.0	0.0	
40	QPSK	50	28	15.81	15.88	15.77	16.0	0.0	
40	QPSK	50	56	15.79	15.83	15.78	16.0	0.0	
40	QPSK	100	0	15.80	15.85	15.75	16.0	0.0	
40	16QAM	1	1	15.79	15.86	15.76	16.0	0.0	
40	8QAM	1	1	15.80	15.82	15.77	16.0	0.0	
40	256QAM	1	1	15.80	15.83	15.78	16.0	0.0	
				Channel	517002	519000	520998	Tune-up MPR	
				Frequency (MHz)	2583.01	2585	2584.99	lim. (dB)	
30	QPSK	1	1	15.70	15.82	15.72	16.0	0.0	
				Channel	516504	519000	521498	Tune-up MPR	
				Frequency (MHz)	2592.52	2595	2597.48	lim. (dB)	
25	QPSK	1	1	15.63	15.81	15.72	16.0	0.0	
				Channel	516000	519000	522000	Tune-up MPR	
				Frequency (MHz)	2630	2695	2610	lim. (dB)	
20	QPSK	1	1	15.70	15.85	15.75	16.0	0.0	
				Channel	515502	519000	522498	Tune-up MPR	
				Frequency (MHz)	2577.51	2585	2512.49	lim. (dB)	
15	QPSK	1	1	15.73	15.85	15.73	16.0	0.0	
				Channel	515004	519000	522996	Tune-up MPR	
				Frequency (MHz)	2593.02	2595	2516.98	lim. (dB)	
10	QPSK	1	1	15.69	15.84	15.75	16.0	0.0	

n41 Ant0 Main_PA DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 509202	Power Middle Ch. / Freq. 518598	Power High Ch. / Freq. 528000	Tune-up err. (dB)	MPR (dB)	
				Frequency (MHz)	2546.01	2552.99	2640		
100	1/2 BPSK	1	1	16.00	16.09	16.05			
100	1/2 BPSK	1	197	16.02	16.08	16.08	16.5	0.0	
100	1/2 BPSK	1	271	15.99	16.08	16.08			
100	1/2 BPSK	135	0	16.02	16.06	16.04	16.5	0.0	
100	1/2 BPSK	135	69	16.02	16.07	16.06	16.5	0.0	
100	1/2 BPSK	135	138	16.04	16.07	16.07	16.5	0.0	
100	1/2 BPSK	270	0	15.99	16.08	16.08			
100	QPSK	1	1	16.01	16.11	16.08			
100	QPSK	1	137	16.04	16.06	16.04	16.5	0.0	
100	QPSK	1	271	16.00	16.08	16.06			
100	QPSK	135	0	16.03	16.06	16.06	16.5	0.0	
100	QPSK	135	69	16.02	16.10	16.06	16.5	0.0	
100	QPSK	135	138	16.00	16.09	16.09	16.5	0.0	
100	QPSK	270	0	16.02	16.09	16.08			
100	16QAM	1	1	16.03	16.05	16.05	16.5	0.0	
100	8QAM	1	1	16.02	16.05	16.07	16.5	0.0	
100	256QAM	1	1	16.02	16.10	16.03	16.5	0.0	
				Channel	508200	518598	528996	Tune-up MPR	
				Frequency (MHz)	2541	2552.99	2644.98	lim. (dB)	
50	QPSK	1	1	15.98	16.02	16.05	16.5	0.0	
				Channel	507204	518598	529998	Tune-up MPR	
				Frequency (MHz)	2538.02	2552.99	2640.99	lim. (dB)	
80	QPSK	1	1	15.92	16.02	16.04	16.5	0.0	
				Channel	506202	518598	531000	Tune-up MPR	
				Frequency (MHz)	2531.01	2552.99	2655	lim. (dB)	
70	QPSK	1	1	15.95	16.05	15.99	16.5	0.0	
				Channel	505200	518598	531996	Tune-up MPR	
				Frequency (MHz)	2526	2611	2629.99	lim. (dB)	
60	QPSK	1	1	15.95	16.03	16.00	16.5	0.0	
				Channel	504204	518598	532998	Tune-up MPR	
				Frequency (MHz)	2521.02	2552.99	2654.99	lim. (dB)	
50	QPSK	1	1	15.93	16.04	16.02	16.5	0.0	
				Channel	503202	518598	534000	Tune-up MPR	
				Frequency (MHz)	2516.04	2552.99	2610	lim. (dB)	
40	QPSK	1	1	15.96	16.04	16.04	16.5	0.0	
				Channel	502200	518598	534996	Tune-up MPR	
				Frequency (MHz)	2511	2552.99	2674.98	lim. (dB)	
30	QPSK	1	1	15.98	16.03	16.03	16.5	0.0	
				Channel	502200	518598	534996	Tune-up MPR	
				Frequency (MHz)	2511	2552.99	2674.98	lim. (dB)	
25	QPSK	1	1	15.95	16.05	16.04	16.5	0.0	
				Channel	501204	518598	535998	Tune-up MPR	
				Frequency (MHz)	2506.02	2552.99	2674.99	lim. (dB)	
20	QPSK	1	1	15.94	16.07	16.05	16.5	0.0	
				Channel	500700	518598	536496	Tune-up MPR	
				Frequency (MHz)	2501.5	2552.99	2659.48	lim. (dB)	
15	QPSK	1	1	15.93	16.07	16.03	16.5	0.0	
				Channel	500202	518598	537000	Tune-up MPR	
				Frequency (MHz)	2501.01	2552.99	2655	lim. (dB)	
10	QPSK	1	1	15.94	16.04	16.04	16.5	0.0	



n7 Ant1 Main_PA DSI4								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	1/2 BPSK	1	1	19.55	19.63	19.68	20.5	0.0
40	1/2 BPSK	1	108	19.64	19.80	19.80	20.5	0.0
40	1/2 BPSK	1	214	19.61	19.64	19.63	20.5	0.0
40	1/2 BPSK	108	0	19.57	19.77	19.54	20.5	0.0
40	1/2 BPSK	108	54	19.68	19.72	19.70	20.5	0.0
40	1/2 BPSK	108	108	19.63	19.64	19.57	20.5	0.0
40	1/2 BPSK	216	0	19.66	19.74	19.53	20.5	0.0
40	QPSK	1	1	19.71	19.83	19.82	20.5	0.0
40	QPSK	1	108	19.64	19.70	19.56	20.5	0.0
40	QPSK	1	214	19.69	19.75	19.64	20.5	0.0
40	QPSK	108	0	19.57	19.68	19.69	20.5	0.0
40	QPSK	108	54	19.55	19.78	19.57	20.5	0.0
40	QPSK	108	108	19.63	19.76	19.64	20.5	0.0
40	QPSK	216	0	19.63	19.77	19.69	20.5	0.0
40	16QAM	1	1	19.69	19.78	19.70	20.5	0.0
40	16QAM	1	1	19.55	19.74	19.59	20.5	0.0
40	256QAM	1	1	19.12	19.22	19.12	20.0	0.5
Channel				503500	507000	510500	Tune-up	MPR
Frequency (MHz)				25175	2535	25245	limit	(dB)
35	QPSK	1	1	19.77	19.70	19.60	20.5	0.0
Channel				503000	507000	511000	Tune-up	MPR
Frequency (MHz)				2515	2535	2555	limit	(dB)
30	QPSK	1	1	19.62	19.76	19.55	20.5	0.0
Channel				502500	507000	511500	Tune-up	MPR
Frequency (MHz)				25125	2535	25375	limit	(dB)
25	QPSK	1	1	19.65	19.79	19.53	20.5	0.0
Channel				502000	507000	512000	Tune-up	MPR
Frequency (MHz)				2510	2535	2560	limit	(dB)
20	1/2 BPSK	1	1	19.55	19.64	19.68	20.5	0.0
Channel				501500	507000	512500	Tune-up	MPR
Frequency (MHz)				25075	2535	25575	limit	(dB)
15	QPSK	1	1	19.61	19.67	19.57	20.5	0.0
Channel				501000	507000	513000	Tune-up	MPR
Frequency (MHz)				2505	2535	2565	limit	(dB)
10	QPSK	1	1	19.55	19.72	19.59	20.5	0.0
Channel				500500	507000	513500	Tune-up	MPR
Frequency (MHz)				25025	2535	25675	limit	(dB)
5	QPSK	1	1	19.65	19.74	19.66	20.5	0.0

n66 Ant1 Other PA DSI4								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	1/2 BPSK	1	1	19.06	19.18	19.13	19.7	0.0
40	1/2 BPSK	1	108	19.12	19.15	19.09	19.7	0.0
40	1/2 BPSK	1	214	19.10	19.15	19.11	19.7	0.0
40	1/2 BPSK	108	0	19.05	19.19	19.10	19.7	0.0
40	1/2 BPSK	108	54	19.08	19.11	19.12	19.7	0.0
40	1/2 BPSK	108	108	19.09	19.14	19.13	19.7	0.0
40	1/2 BPSK	216	0	19.06	19.13	19.10	19.7	0.0
40	QPSK	1	1	19.19	19.26	19.21	19.7	0.0
40	QPSK	1	108	19.12	19.18	19.13	19.7	0.0
40	QPSK	1	214	19.10	19.20	19.10	19.7	0.0
40	QPSK	108	0	19.11	19.19	19.09	19.7	0.0
40	QPSK	108	54	19.12	19.22	19.15	19.7	0.0
40	QPSK	108	108	19.09	19.16	19.13	19.7	0.0
40	QPSK	216	0	19.15	19.16	19.13	19.7	0.0
40	16QAM	1	1	19.10	19.17	19.10	19.7	0.0
40	16QAM	1	1	19.14	19.19	19.10	19.7	0.0
40	256QAM	1	1	19.12	19.15	19.11	19.7	0.0
Channel				345500	349000	352500	Tune-up	MPR
Frequency (MHz)				1727.5	1745	1727.5	limit	(dB)
35	QPSK	1	1	19.16	19.22	19.18	19.7	0.0
Channel				345000	349000	353000	Tune-up	MPR
Frequency (MHz)				1725	1745	1765	limit	(dB)
30	QPSK	1	1	19.16	19.19	19.14	19.7	0.0
Channel				344500	349000	353500	Tune-up	MPR
Frequency (MHz)				1722.5	1745	1727.5	limit	(dB)
25	QPSK	1	1	19.12	19.22	19.16	19.7	0.0
Channel				344000	349000	354000	Tune-up	MPR
Frequency (MHz)				1720	1745	1770	limit	(dB)
20	QPSK	1	1	19.16	19.22	19.14	19.7	0.0
Channel				343500	349000	354500	Tune-up	MPR
Frequency (MHz)				1717.5	1745	1722.5	limit	(dB)
15	QPSK	1	1	19.14	19.22	19.16	19.7	0.0
Channel				343000	349000	355000	Tune-up	MPR
Frequency (MHz)				1715	1745	1725	limit	(dB)
10	QPSK	1	1	19.15	19.13	19.15	19.7	0.0
Channel				342500	349000	355500	Tune-up	MPR
Frequency (MHz)				1712.5	1745	1727.5	limit	(dB)
5	QPSK	1	1	19.08	19.03	19.05	19.7	0.0



n38 Ant1 Main_PA DSI4

BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up [MHz]	MPR [dB]
40	1/2 BPSK	1	1	18.67	19.03	19.02		
40	1/2 BPSK	1	53	19.02	19.00	18.90	19.5	0.0
40	1/2 BPSK	1	104	18.95	19.06	18.93		
40	1/2 BPSK	50	0	18.67	19.08	18.67	19.5	0.0
40	1/2 BPSK	50	28	19.02	19.11	18.99	19.5	0.0
40	1/2 BPSK	50	56	19.05	19.11	19.01	19.5	0.0
40	1/2 BPSK	100	0	19.09	19.13	18.99		
40	QPSK	1	1	19.09	19.15	19.02		
40	QPSK	1	53	19.09	19.10	18.92	19.5	0.0
40	QPSK	1	104	19.05	19.13	19.00		
40	QPSK	50	0	18.94	19.10	18.96	19.5	0.0
40	QPSK	50	28	19.06	19.13	18.89	19.5	0.0
40	QPSK	50	56	19.07	19.03	18.92	19.5	0.0
40	QPSK	100	0	19.03	19.09	19.04		
40	16QAM	1	1	18.06	18.05	18.92	18.6	0.0
40	16QAM	1	1	19.00	19.11	19.01	19.5	0.0
40	256QAM	1	1	18.98	18.99	18.98	19.5	0.0
30	QPSK	1	1	19.09	19.09	19.03	19.5	0.0
25	QPSK	1	1	18.99	19.02	19.04	19.5	0.0
20	QPSK	1	1	19.02	19.09	19.03	19.5	0.0
15	QPSK	1	1	18.99	19.00	19.03	19.5	0.0
10	QPSK	1	1	19.03	19.11	19.08	19.5	0.0

n41 Ant1 Main_PA DSI4

BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up [MHz]	MPR [dB]
100	1/2 BPSK	1	1	18.55	18.61	18.55		
100	1/2 BPSK	1	137	18.65	18.62	18.57	19.5	0.0
100	1/2 BPSK	1	274	18.55	18.67	18.66		
100	1/2 BPSK	135	0	18.56	18.77	18.55	19.5	0.0
100	1/2 BPSK	135	69	18.63	18.60	18.67	19.5	0.0
100	1/2 BPSK	135	138	18.55	18.62	18.59	19.5	0.0
100	1/2 BPSK	270	0	18.56	18.62	18.62		
100	QPSK	1	1	18.63	18.79	18.54		
100	QPSK	1	137	18.54	18.76	18.66	19.5	0.0
100	QPSK	1	274	18.59	18.65	18.70		
100	QPSK	135	0	18.55	18.77	18.67	19.5	0.0
100	QPSK	135	69	18.68	18.76	18.65	19.5	0.0
100	QPSK	135	138	18.63	18.70	18.64	19.5	0.0
100	QPSK	270	0	18.60	18.74	18.60		
100	16QAM	1	1	18.65	18.69	18.70	19.5	0.0
100	16QAM	1	1	18.67	18.77	18.68	19.5	0.0
100	256QAM	1	1	18.93	18.62	18.60	19.5	0.0
90	QPSK	1	1	19.67	19.73	19.63	19.5	0.0
80	QPSK	1	1	19.69	19.76	19.63	19.5	0.0
70	QPSK	1	1	19.64	19.69	19.63	19.5	0.0
60	QPSK	1	1	19.65	19.74	19.67	19.5	0.0
50	QPSK	1	1	19.66	19.75	19.70	19.5	0.0
40	QPSK	1	1	19.71	19.78	19.76	19.5	0.0
30	QPSK	1	1	19.70	19.73	19.69	19.5	0.0
25	QPSK	1	1	19.56	19.78	19.82	19.5	0.0
20	QPSK	1	1	19.81	19.78	19.87	19.5	0.0
15	QPSK	1	1	19.54	19.63	19.57	19.5	0.0
10	QPSK	1	1	19.67	18.66	18.56	19.5	0.0

Part270 n77 Ant1 Main_PA DSI4

BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up [MHz]	MPR [dB]
100	1/2 BPSK	1	1	14.82	14.86	14.82		
100	1/2 BPSK	1	137	14.88	14.89	14.81	15.5	0.0
100	1/2 BPSK	1	274	14.88	14.89	14.80		
100	1/2 BPSK	135	0	14.82	14.88	14.85	15.5	0.0
100	1/2 BPSK	135	69	14.83	14.86	14.83	15.5	0.0
100	1/2 BPSK	135	138	14.82	14.89	14.85	15.5	0.0
100	1/2 BPSK	270	0	14.88	14.85	14.86		
100	QPSK	1	1	14.84	14.85	14.86		
100	QPSK	1	137	14.84	14.87	14.83	15.5	0.0
100	QPSK	1	274	14.85	14.88	14.83		
100	QPSK	135	0	14.86	14.87	14.81	15.5	0.0
100	QPSK	135	69	14.85	14.89	14.86	15.5	0.0
100	QPSK	135	138	14.87	14.88	14.86	15.5	0.0
100	QPSK	270	0	14.83	14.89	14.85		
100	16QAM	1	1	14.84	14.88	14.84	15.5	0.0
100	16QAM	1	1	14.82	14.89	14.85	15.5	0.0
100	256QAM	1	1	14.82	14.86	14.82	15.5	0.0
90	QPSK	1	1	14.79	14.91	14.83	15.5	0.0
80	QPSK	1	1	14.79	14.89	14.92	15.5	0.0
70	QPSK	1	1	14.75	14.90	14.79	15.5	0.0
60	QPSK	1	1	14.77	14.90	14.79	15.5	0.0
50	QPSK	1	1	14.75	14.89	14.78	15.5	0.0
40	QPSK	1	1	14.81	14.91	14.82	15.5	0.0
30	QPSK	1	1	14.76	14.89	14.78	15.5	0.0
25	QPSK	1	1	14.75	14.91	14.79	15.5	0.0
20	QPSK	1	1	14.78	14.88	14.78	15.5	0.0
15	QPSK	1	1	14.76	14.89	14.81	15.5	0.0
10	QPSK	1	1	14.80	14.86	14.82	15.5	0.0

Part270 n77 Ant1 Main_PA DSI4 PC2

BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up [MHz]	MPR [dB]
100	1/2 BPSK	1	1	17.80	17.84	17.84		
100	1/2 BPSK	1	137	17.90	17.86	17.78	18.5	0.0
100	1/2 BPSK	1	274	17.91	17.89	17.78		
100	1/2 BPSK	135	0	17.80	17.87	17.87	18.5	0.0
100	1/2 BPSK	135	69	17.85	17.87	17.86	18.5	0.0
100	1/2 BPSK	135	138	17.84	17.90	17.83	18.5	0.0
100	1/2 BPSK	270	0	17.87	17.84	17.86		
100	QPSK	1	1	17.85	17.95	17.86		
100	QPSK	1	137	17.83	17.89	17.85	18.5	0.0
100	QPSK	1	274	17.86	17.90	17.83		
100	QPSK	135	0	17.86	17.86	17.80	18.5	0.0
100	QPSK	135	69	17.86	17.88	17.85	18.5	0.0
100	QPSK	135	138	17.87	17.87	17.87	18.5	0.0
100	QPSK	270	0	17.90	17.89	17.88		
100	16QAM	1	1	17.85	17.87	17.85	18.5	0.0
100	16QAM	1	1	17.79	17.86	17.87	18.5	0.0
100	256QAM	1	1	17.94	17.86	17.80	18.5	0.0
90	QPSK	1	1	17.77	17.88	17.83	18.5	0.0
80	QPSK	1	1	17.71	17.88	17.82	18.5	0.0
70	QPSK	1	1	17.70	17.91	17.81	18.5	0.0
60	QPSK	1	1	17.79	17.92	17.81	18.5	0.0
50	QPSK	1	1	17.79	17.91	17.82	18.5	0.0
40	QPSK	1	1	17.82	17.92	17.79	18.5	0.0
30	QPSK	1	1	17.82	17.92	17.79	18.5	0.0
25	QPSK	1	1	17.82	17.92	17.79	18.5	0.0
20	QPSK	1	1	17.82	17.92	17.79	18.5	0.0
15	QPSK	1	1	17.76	17.88	17.77	18.5	0.0
10	QPSK	1	1	17.82	17.90	17.81	18.5	0.0



Part27Q n78 Ant1 Main_PA DSI4								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Freq. (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	1/2 BPSK	1	1	13.78			15.5	0.0
100	1/2 BPSK	1	137	13.77				
100	1/2 BPSK	1	271	13.70				
100	1/2 BPSK	135	0	13.67			15.5	0.0
100	1/2 BPSK	135	69	13.70			15.5	0.0
100	1/2 BPSK	135	138	13.81			15.5	0.0
100	1/2 BPSK	270	0	13.68			15.5	0.0
100	QPSK	1	1	13.93				
100	QPSK	1	137	13.88			15.5	0.0
100	QPSK	1	271	13.76				
100	QPSK	135	0	13.68			15.5	0.0
100	QPSK	135	69	13.83			15.5	0.0
100	QPSK	135	138	13.65			15.5	0.0
100	QPSK	270	0	13.69			15.5	0.0
100	16QAM	1	1	13.82			15.5	0.0
100	16QAM	1	1	13.67			15.5	0.0
100	256QAM	1	1	13.69			15.5	0.0
Channel				633000	633334	633668	Tune-up	MPR
Frequency (MHz)				3495	3500.01	3505.02	lim	(dB)
90	QPSK	1	1	13.80	13.83	13.82	15.5	0.0
Channel				632668	633334	634000	Tune-up	MPR
Frequency (MHz)				3493.02	3500.01	3510	lim	(dB)
80	QPSK	1	1	13.82	13.83	13.77	15.5	0.0
Channel				632334	633334	634334	Tune-up	MPR
Frequency (MHz)				3488.01	3500.01	3516.01	lim	(dB)
70	QPSK	1	1	13.84	13.82	13.79	15.5	0.0
Channel				632000	633334	634668	Tune-up	MPR
Frequency (MHz)				3480	3500.01	3520.02	lim	(dB)
60	QPSK	1	1	13.82	13.83	13.82	15.5	0.0
Channel				631668	633334	635000	Tune-up	MPR
Frequency (MHz)				3473.02	3500.01	3505	lim	(dB)
50	QPSK	1	1	13.85	13.82	13.80	15.5	0.0
Channel				631334	633334	635334	Tune-up	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	lim	(dB)
40	QPSK	1	1	13.83	13.82	13.81	15.5	0.0
Channel				631000	633334	635668	Tune-up	MPR
Frequency (MHz)				3465	3500.01	3535.02	lim	(dB)
30	QPSK	1	1	13.86	13.82	13.77	15.5	0.0
Channel				630834	633334	635834	Tune-up	MPR
Frequency (MHz)				3462.01	3500.01	3537.01	lim	(dB)
25	QPSK	1	1	13.80	13.83	13.77	15.5	0.0
Channel				630668	633334	636000	Tune-up	MPR
Frequency (MHz)				3460.02	3500.01	3540	lim	(dB)
20	QPSK	1	1	13.85	13.82	13.82	15.5	0.0
Channel				630500	633334	636168	Tune-up	MPR
Frequency (MHz)				3457.0	3500.01	3542.02	lim	(dB)
15	QPSK	1	1	13.80	13.84	13.77	15.5	0.0
Channel				630334	633334	636334	Tune-up	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	lim	(dB)
10	QPSK	1	1	13.80	13.84	13.80	15.5	0.0

Part27Q n78 Ant1 Main_PA DSI4 PC2								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Freq. (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	1/2 BPSK	1	1	16.72			18.5	0.0
100	1/2 BPSK	1	137	16.69				
100	1/2 BPSK	1	271	16.65				
100	1/2 BPSK	135	0	16.58			18.5	0.0
100	1/2 BPSK	135	69	16.86			18.5	0.0
100	1/2 BPSK	135	138	16.76			18.5	0.0
100	1/2 BPSK	270	0	16.75			18.5	0.0
100	QPSK	1	1	16.88				
100	QPSK	1	137	16.73			18.5	0.0
100	QPSK	1	271	16.68				
100	QPSK	135	0	16.68			18.5	0.0
100	QPSK	135	69	16.75			18.5	0.0
100	QPSK	135	138	16.68			18.5	0.0
100	QPSK	270	0	16.68			18.5	0.0
100	16QAM	1	1	16.82			18.5	0.0
100	16QAM	1	1	16.68			18.5	0.0
100	256QAM	1	1	16.64			18.5	0.0
Channel				633000	633334	633668	Tune-up	MPR
Frequency (MHz)				3495	3500.01	3505.02	lim	(dB)
90	QPSK	1	1	16.75	16.69	16.72	18.5	0.0
Channel				632668	633334	634000	Tune-up	MPR
Frequency (MHz)				3493.02	3500.01	3510	lim	(dB)
80	QPSK	1	1	16.79	16.83	16.69	18.5	0.0
Channel				632334	633334	634334	Tune-up	MPR
Frequency (MHz)				3489.01	3500.01	3516.01	lim	(dB)
70	QPSK	1	1	16.74	16.80	16.69	18.5	0.0
Channel				632000	633334	634668	Tune-up	MPR
Frequency (MHz)				3480	3500.01	3520.02	lim	(dB)
60	QPSK	1	1	16.79	16.81	16.71	18.5	0.0
Channel				631668	633334	635000	Tune-up	MPR
Frequency (MHz)				3473.02	3500.01	3505	lim	(dB)
50	QPSK	1	1	16.72	16.86	16.70	18.5	0.0
Channel				631334	633334	635334	Tune-up	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	lim	(dB)
40	QPSK	1	1	16.76	16.85	16.72	18.5	0.0
Channel				631000	633334	635668	Tune-up	MPR
Frequency (MHz)				3465	3500.01	3535.02	lim	(dB)
30	QPSK	1	1	16.77	16.84	16.70	18.5	0.0
Channel				630834	633334	635834	Tune-up	MPR
Frequency (MHz)				3462.01	3500.01	3537.01	lim	(dB)
25	QPSK	1	1	16.77	16.81	16.70	18.5	0.0
Channel				630668	633334	636000	Tune-up	MPR
Frequency (MHz)				3460.02	3500.01	3540	lim	(dB)
20	QPSK	1	1	16.74	16.80	16.72	18.5	0.0
Channel				630500	633334	636168	Tune-up	MPR
Frequency (MHz)				3457.0	3500.01	3542.02	lim	(dB)
15	QPSK	1	1	16.75	16.81	16.71	18.5	0.0
Channel				630334	633334	636334	Tune-up	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	lim	(dB)
10	QPSK	1	1	16.76	16.81	16.66	18.5	0.0



Reduced Power Mode for NSA DSI5

n7 Ant0 Main_PA DSI 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				504000	507000	510000		
Frequency (MHz)				2320	2335	2350		
40	W/2 BPSK	1	1	23.20	23.31	23.35		
40	W/2 BPSK	1	108	23.86	23.88	23.81	24.5	0.0
40	W/2 BPSK	1	214	23.79	23.85	23.78		
40	W/2 BPSK	108	0	23.22	23.29	23.23	24.0	0.5
40	W/2 BPSK	108	54	23.82	23.88	23.82	24.5	0.0
40	W/2 BPSK	108	108	23.13	23.20	23.12	24.0	0.5
40	W/2 BPSK	216	0	23.05	23.15	23.09		
40	QPSK	1	1	23.85	23.92	23.91		
40	QPSK	1	108	23.87	23.88	23.79	24.5	0.0
40	QPSK	1	214	23.82	23.89	23.84		
40	QPSK	108	0	22.75	22.82	22.74	23.5	1.0
40	QPSK	108	54	23.78	23.87	23.79	24.5	0.0
40	QPSK	108	108	22.67	22.73	22.70	23.5	1.0
40	QPSK	216	0	22.67	22.71	22.65	23.5	1.0
40	16QAM	1	1	22.79	22.81	22.73	23.5	1.0
40	16QAM	1	1	21.35	21.38	21.27	22.0	2.5
40	256QAM	1	1	19.34	19.37	19.31	20.0	4.5
Channel				503500	507000	510500	limit	MPR
Frequency (MHz)				2317.5	2335	2352.5		
35	QPSK	1	1	23.76	23.82	23.82	24.5	0.0
Channel				503000	507000	511000	limit	MPR
Frequency (MHz)				2315	2335	2355		
30	QPSK	1	1	23.75	23.90	23.82	24.5	0.0
Channel				502500	507000	511500	limit	MPR
Frequency (MHz)				2312.5	2335	2357.5		
25	QPSK	1	1	23.78	23.87	23.83	24.5	0.0
Channel				502000	507000	512000	limit	MPR
Frequency (MHz)				2310	2335	2360		
20	W/2 BPSK	1	1	23.84	23.83	23.83	24.5	0.0
Channel				501500	507000	512500	limit	MPR
Frequency (MHz)				2307.5	2335	2362.5		
15	QPSK	1	1	23.72	23.85	23.89	24.5	0.0
Channel				501000	507000	513000	limit	MPR
Frequency (MHz)				2305	2335	2365		
10	QPSK	1	1	23.83	23.82	23.84	24.5	0.0
Channel				500500	507000	513500	limit	MPR
Frequency (MHz)				2302.5	2335	2367.5		
5	QPSK	1	1	23.76	23.86	23.85	24.5	0.0

n66 Ant0 Other PA DSI 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				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	W/2 BPSK	1	1	25.20	25.22	25.19		
40	W/2 BPSK	1	108	24.98	25.07	25.06	25.7	0.0
40	W/2 BPSK	1	214	25.01	25.05	24.95		
40	W/2 BPSK	108	0	24.86	24.82	24.86	25.2	0.5
40	W/2 BPSK	108	54	25.10	25.18	25.09	25.7	0.0
40	W/2 BPSK	108	108	24.48	24.59	24.52	25.2	0.5
40	W/2 BPSK	216	0	24.59	24.64	24.53		
40	QPSK	1	1	25.22	25.29	25.27		
40	QPSK	1	108	25.09	25.12	25.01	25.7	0.0
40	QPSK	1	214	24.96	25.02	24.96		
40	QPSK	108	0	24.13	24.18	24.13	24.7	1.0
40	QPSK	108	54	25.17	25.22	25.19	25.7	0.0
40	QPSK	108	108	24.10	24.13	24.11	24.7	1.0
40	QPSK	216	0	24.13	24.20	24.11	24.7	1.0
40	16QAM	1	1	24.11	24.17	24.09	24.7	1.0
40	16QAM	1	1	22.55	22.61	22.37	23.2	2.5
40	256QAM	1	1	21.01	21.09	20.98	21.2	4.5
Channel				345500	349000	352500	limit	MPR
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	25.20	25.20	25.16	25.7	0.0
Channel				345000	349000	353000	limit	MPR
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	25.14	25.19	25.25	25.7	0.0
Channel				344500	349000	353500	limit	MPR
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	25.14	25.19	25.18	25.7	0.0
Channel				344000	349000	354000	limit	MPR
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	25.12	25.23	25.19	25.7	0.0
Channel				343500	349000	354500	limit	MPR
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	25.14	25.20	25.21	25.7	0.0
Channel				343000	349000	355000	limit	MPR
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	25.14	25.27	25.23	25.7	0.0
Channel				342500	349000	355500	limit	MPR
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	25.16	25.26	25.20	25.7	0.0



n38 Ant0 Main_PA DSI 5								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
	Channel			519004	519000	519996		
	Frequency (MHz)			2590.02	2595	2599.98		
40	1/2 BPSK	1	1	23.74	23.81	23.72	24.0	0.0
40	1/2 BPSK	1	53	23.74	23.75	23.68		
40	1/2 BPSK	1	104	23.62	23.71	23.66		
40	1/2 BPSK	50	0	23.15	23.16	23.10	23.5	0.5
40	1/2 BPSK	50	28	23.68	23.73	23.68	24.0	0.0
40	1/2 BPSK	50	56	22.96	23.01	23.00	23.5	0.5
40	1/2 BPSK	100	0	22.95	23.06	22.97		
40	QPSK	1	1	23.72	23.83	23.78		
40	QPSK	1	53	23.77	23.81	23.78	24.0	0.0
40	QPSK	1	104	23.77	23.83	23.76		
40	QPSK	50	0	22.67	22.69	22.62	23.0	1.0
40	QPSK	50	28	23.74	23.75	23.72	24.0	0.0
40	QPSK	50	56	22.65	22.75	22.65	23.0	1.0
40	QPSK	100	0	22.64	22.71	22.61		
40	16QAM	1	1	22.69	22.75	22.69	23.0	1.0
40	16QAM	1	1	21.21	21.26	21.17	21.5	2.5
40	256QAM	1	1	19.15	19.22	19.15	19.5	4.5
	Channel			517002	519000	520998		
	Frequency (MHz)			2583.01	2585	2584.99		
30	QPSK	1	1	23.62	23.83	23.69	24.0	0.0
	Channel			516504	519000	521496		
	Frequency (MHz)			2582.52	2585	2587.48		
25	QPSK	1	1	23.74	23.81	23.72	24.0	0.0
	Channel			516000	519000	522000		
	Frequency (MHz)			2580	2585	2580		
20	QPSK	1	1	23.62	23.82	23.70	24.0	0.0
	Channel			515502	519000	522498		
	Frequency (MHz)			2577.51	2585	2582.49		
15	QPSK	1	1	23.71	23.71	23.71	24.0	0.0
	Channel			515004	519000	522996		
	Frequency (MHz)			2575.02	2585	2581.98		
10	QPSK	1	1	23.75	23.75	23.77	24.0	0.0

n41 Ant0 Main_PA DSI 5								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
	Channel			509202	518996	520000		
	Frequency (MHz)			2546.01	2552.99	2540		
100	1/2 BPSK	1	1	23.16	23.21	23.12	24.0	0.0
100	1/2 BPSK	1	197	23.15	23.22	23.12		
100	1/2 BPSK	1	271	23.16	23.21	23.12		
100	1/2 BPSK	135	0	23.16	23.24	23.14	24.0	0.0
100	1/2 BPSK	135	69	23.09	23.16	23.10	24.0	0.0
100	1/2 BPSK	135	138	23.12	23.18	23.10	24.0	0.0
100	1/2 BPSK	270	0	23.13	23.16	23.07		
100	QPSK	1	1	23.52	23.58	23.56		
100	QPSK	1	137	23.48	23.55	23.47	24.0	0.0
100	QPSK	1	271	23.47	23.50	23.47		
100	QPSK	135	0	22.48	22.59	22.48	23.0	1.0
100	QPSK	135	69	23.12	23.21	23.11	24.0	0.0
100	QPSK	135	138	22.33	22.41	22.36	23.0	1.0
100	QPSK	270	0	22.38	22.45	22.41		
100	16QAM	1	1	23.37	23.45	23.42	24.0	0.0
100	16QAM	1	1	23.34	23.39	23.34	24.0	0.0
100	256QAM	1	1	21.67	21.71	21.69	22.0	2.0
	Channel			508200	518996	520996		
	Frequency (MHz)			2541	2552.99	2544.99		
50	QPSK	1	1	23.46	23.49	23.46	24.0	0.0
	Channel			507204	518996	520996		
	Frequency (MHz)			2538.02	2552.99	2540.99		
80	QPSK	1	1	23.45	23.54	23.47	24.0	0.0
	Channel			506202	518996	531000		
	Frequency (MHz)			2531.01	2552.99	2555		
70	QPSK	1	1	23.47	23.49	23.47	24.0	0.0
	Channel			505200	518996	531696		
	Frequency (MHz)			2526	2548	2554.98		
60	QPSK	1	1	23.49	23.51	23.53	24.0	0.0
	Channel			504204	518996	532998		
	Frequency (MHz)			2521.02	2552.99	2564.99		
50	QPSK	1	1	23.51	23.48	23.52	24.0	0.0
	Channel			503202	518996	534000		
	Frequency (MHz)			2518.01	2552.99	2560		
40	QPSK	1	1	23.42	23.56	23.50	24.0	0.0
	Channel			502200	518996	534996		
	Frequency (MHz)			2511	2552.99	2574.98		
30	QPSK	1	1	23.48	23.56	23.52	24.0	0.0
	Channel			502200	518996	534996		
	Frequency (MHz)			2511	2552.99	2574.98		
25	QPSK	1	1	23.48	23.51	23.52	24.0	0.0
	Channel			501204	518996	535998		
	Frequency (MHz)			2506.02	2552.99	2578.99		
20	QPSK	1	1	23.45	23.57	23.50	24.0	0.0
	Channel			500700	518996	536496		
	Frequency (MHz)			2500.5	2552.99	2583.48		
15	QPSK	1	1	23.42	23.52	23.52	24.0	0.0
	Channel			500202	518996	537000		
	Frequency (MHz)			2501.01	2552.99	2585		
10	QPSK	1	1	23.43	23.51	23.51	24.0	0.0



n7 Ant1 Main_PA DSI 5								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
				504000	507000	510000		
				2520	2535	2550		
40	1/2 BPSK	1	1	18.41	18.59	18.53	19.5	0.0
40	1/2 BPSK	1	108	18.45	18.58	18.54		
40	1/2 BPSK	1	214	18.45	18.61	18.53		
40	1/2 BPSK	108	0	18.41	18.57	18.54	19.5	0.0
40	1/2 BPSK	108	54	18.45	18.58	18.52	19.5	0.0
40	1/2 BPSK	108	108	18.45	18.59	18.50	19.5	0.0
40	1/2 BPSK	216	0	18.40	18.55	18.47	19.5	0.0
40	QPSK	1	1	18.54	18.68	18.59		
40	QPSK	1	108	18.45	18.58	18.51	19.5	0.0
40	QPSK	1	214	18.49	18.64	18.47		
40	QPSK	108	0	18.50	18.57	18.54	19.5	0.0
40	QPSK	108	54	18.51	18.62	18.55	19.5	0.0
40	QPSK	108	108	18.47	18.60	18.49	19.5	0.0
40	QPSK	216	0	18.49	18.55	18.43	19.5	0.0
40	16QAM	1	1	18.50	18.57	18.52	19.5	0.0
40	16QAM	1	1	18.15	18.21	18.15	19.5	0.0
40	256QAM	1	1	18.09	18.01	18.03	19.5	0.0
				503500	507000	510500		
				25175	2532	25245		
35	QPSK	1	1	18.43	18.55	18.53	19.5	0.0
				503000	507000	511000		
				2515	2532	2555		
30	QPSK	1	1	18.51	18.53	18.56	19.5	0.0
				502500	507000	511500		
				25125	2532	25575		
25	QPSK	1	1	18.51	18.52	18.52	19.5	0.0
				502000	507000	512000		
				2510	2532	2560		
20	1/2 BPSK	1	1	18.51	18.54	18.52	19.5	0.0
				501500	507000	512500		
				25075	2532	25625		
15	QPSK	1	1	18.49	18.61	18.53	19.5	0.0
				501000	507000	513000		
				2505	2532	2565		
10	QPSK	1	1	18.48	18.61	18.52	19.5	0.0
				500500	507000	513500		
				25025	2532	25675		
5	QPSK	1	1	18.45	18.61	18.54	19.5	0.0

n66 Ant1 Other PA DSI 5								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
				346000	349000	352000		
				1730	1745	1760		
40	1/2 BPSK	1	1	19.06	19.18	19.13	19.7	0.0
40	1/2 BPSK	1	108	19.12	19.15	19.09		
40	1/2 BPSK	1	214	19.10	19.15	19.11		
40	1/2 BPSK	108	0	19.05	19.19	19.10	19.7	0.0
40	1/2 BPSK	108	54	19.08	19.11	19.12	19.7	0.0
40	1/2 BPSK	108	108	19.09	19.14	19.13	19.7	0.0
40	1/2 BPSK	216	0	19.06	19.13	19.10		
40	QPSK	1	1	19.19	19.25	19.21		
40	QPSK	1	108	19.12	19.18	19.13	19.7	0.0
40	QPSK	1	214	19.10	19.20	19.10		
40	QPSK	108	0	19.11	19.19	19.09	19.7	0.0
40	QPSK	108	54	19.12	19.22	19.15	19.7	0.0
40	QPSK	108	108	19.09	19.16	19.13	19.7	0.0
40	QPSK	216	0	19.15	19.16	19.13		
40	16QAM	1	1	19.10	19.17	19.10	19.7	0.0
40	16QAM	1	1	18.14	18.19	18.10	19.7	0.0
40	256QAM	1	1	18.12	18.15	18.11	19.7	0.0
				345500	349000	352500		
				1727.5	1745	1723.5		
35	QPSK	1	1	19.16	19.22	19.18	19.7	0.0
				345000	349000	353000		
				1725	1745	1765		
30	QPSK	1	1	19.16	19.18	19.14	19.7	0.0
				344500	349000	353500		
				1722.5	1745	1727.5		
25	QPSK	1	1	19.12	19.22	19.16	19.7	0.0
				344000	349000	354000		
				1720	1745	1770		
20	QPSK	1	1	19.16	19.22	19.14	19.7	0.0
				343500	349000	354500		
				1717.5	1745	1722.5		
15	QPSK	1	1	19.14	19.22	19.16	19.7	0.0
				343000	349000	355000		
				1715	1745	1725		
10	QPSK	1	1	18.15	18.13	18.15	19.7	0.0
				342500	349000	355500		
				1712.5	1745	1727.5		
5	QPSK	1	1	18.08	18.03	18.05	19.7	0.0

n38 Ant1 Main_PA DSI 8												
BW [MHz]	Modulati on	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)				2590.02	2595	2599.98						
40	1/2 BPSK	1	1	18.04	17.98	17.99						
40	1/2 BPSK	1	53	18.05	17.97	17.96	18.5	0.0				
40	1/2 BPSK	1	104	17.95	18.00	17.99						
40	1/2 BPSK	50	0	18.00	18.03	17.93	18.5	0.0				
40	1/2 BPSK	50	28	17.99	18.01	17.99	18.5	0.0				
40	1/2 BPSK	50	56	18.02	18.07	18.00	18.5	0.0				
40	1/2 BPSK	100	0	18.03	18.05	17.98						
40	QPSK	1	1	18.09	18.14	18.05						
40	QPSK	1	53	18.04	18.04	17.93	18.5	0.0				
40	QPSK	50	0	18.04	18.00	17.97	18.5	0.0				
40	QPSK	50	28	18.02	18.06	18.01	18.5	0.0				
40	QPSK	50	56	18.05	18.01	17.94	18.5	0.0				
40	QPSK	100	0	18.01	18.02	18.01						
40	16QAM	1	1	18.04	18.00	17.92	18.5	0.0				
40	64QAM	1	1	17.97	18.06	18.00	18.5	0.0				
40	256QAM	1	1	18.05	18.04	18.00	18.5	0.0				
Channel												
Frequency (MHz)				5170.02	5190.00	5209.98	Tune-up	MPR				
30	QPSK	1	1	18.04	18.05	17.97	18.5	0.0				
Channel												
Frequency (MHz)				5185.04	5190.00	5214.96	Tune-up	MPR				
25	QPSK	1	1	18.00	18.02	17.93	18.5	0.0				
Channel												
Frequency (MHz)				5180.00	5190.00	5220.00	Tune-up	MPR				
20	QPSK	1	1	18.02	18.02	17.98	18.5	0.0				
Channel												
Frequency (MHz)				5155.02	5190.00	5224.98	Tune-up	MPR				
15	QPSK	1	1	18.04	18.07	17.97	18.5	0.0				
Channel												
Frequency (MHz)				5150.04	5190.00	5229.96	Tune-up	MPR				
10	QPSK	1	1	18.03	18.06	18.01	18.5	0.0				

n41 Ant1 Main_PA DSI 8												
BW [MHz]	Modulati on	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)				5092.02	5185.98	5280.00						
100	1/2 BPSK	1	1	17.11	17.17	17.08						
100	1/2 BPSK	1	137	17.09	17.13	17.01	18.0	0.0				
100	1/2 BPSK	1	271	17.08	17.13	17.03						
100	1/2 BPSK	135	0	17.12	17.17	17.03	18.0	0.0				
100	1/2 BPSK	135	69	17.17	17.11	17.09	18.0	0.0				
100	1/2 BPSK	135	138	17.14	17.13	17.10	18.0	0.0				
100	1/2 BPSK	270	0	17.09	17.12	17.09						
100	QPSK	1	1	17.21	17.23	17.15						
100	QPSK	1	137	17.14	17.16	17.10	18.0	0.0				
100	QPSK	1	271	17.16	17.13	17.07						
100	QPSK	135	0	17.10	17.14	17.04	18.0	0.0				
100	QPSK	135	69	17.14	17.11	17.08	18.0	0.0				
100	QPSK	135	138	17.13	17.11	17.01	18.0	0.0				
100	QPSK	270	0	17.05	17.12	17.06						
100	16QAM	1	1	17.15	17.13	17.04	18.0	0.0				
100	64QAM	1	1	17.14	17.15	17.08	18.0	0.0				
100	256QAM	1	1	17.08	17.16	17.07	18.0	0.0				
Channel												
Frequency (MHz)				5082.00	5185.98	5280.96	Tune-up	MPR				
90	QPSK	1	1	17.13	17.15	17.09	18.0	0.0				
Channel												
Frequency (MHz)				5072.04	5185.98	5299.98	Tune-up	MPR				
80	QPSK	1	1	17.17	17.15	17.10	18.0	0.0				
Channel												
Frequency (MHz)				5062.02	5185.98	5310.00	Tune-up	MPR				
70	QPSK	1	1	17.13	17.19	17.08	18.0	0.0				
Channel												
Frequency (MHz)				5052.00	5185.98	5319.96	Tune-up	MPR				
60	QPSK	1	1	17.15	17.13	17.03	18.0	0.0				
Channel												
Frequency (MHz)				5042.04	5185.98	5329.98	Tune-up	MPR				
50	QPSK	1	1	17.16	17.16	17.12	18.0	0.0				
Channel												
Frequency (MHz)				5032.02	5185.98	5340.00	Tune-up	MPR				
40	QPSK	1	1	17.18	17.18	17.08	18.0	0.0				
Channel												
Frequency (MHz)				5022.00	5185.98	5349.96	Tune-up	MPR				
30	QPSK	1	1	17.16	17.15	17.05	18.0	0.0				
Channel												
Frequency (MHz)				2511	2592.99	2674.98	limit	(dB)				
25	QPSK	1	1	17.17	17.15	17.11	18.0	0.0				
Channel												
Frequency (MHz)				5012.04	5185.98	5359.96	Tune-up	MPR				
20	QPSK	1	1	17.14	17.19	17.03	18.0	0.0				
Channel												
Frequency (MHz)				5007.00	5185.98	5369.96	Tune-up	MPR				
15	QPSK	1	1	17.16	17.19	17.11	18.0	0.0				
Channel												
Frequency (MHz)				5002.02	5185.98	5370.00	Tune-up	MPR				
10	QPSK	1	1	17.16	17.15	17.06	18.0	0.0				

Part270 n77 Ant1 Main_PA DSI 8												
BW [MHz]	Modulati on	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)				6500.02	6580.00	6620.00						
100	1/2 BPSK	1	1	16.41	16.51	16.39						
100	1/2 BPSK	1	137	16.38	16.46	16.32	17.0	0.0				
100	1/2 BPSK	1	271	16.37	16.45	16.40						
100	1/2 BPSK	135	0	16.38	16.49	16.38	17.0	0.0				
100	1/2 BPSK	135	69	16.35	16.42	16.40	17.0	0.0				
100	1/2 BPSK	135	138	16.43	16.42	16.33	17.0	0.0				
100	1/2 BPSK	270	0	16.40	16.48	16.36						
100	QPSK	1	1	16.49	16.55	16.45						
100	QPSK	1	137	16.42	16.46	16.33	17.0	0.0				
100	QPSK	1	271	16.45	16.48	16.38						
100	QPSK	135	0	16.44	16.49	16.32	17.0	0.0				
100	QPSK	135	69	16.42	16.51	16.41	17.0	0.0				
100	QPSK	135	138	16.44	16.44	16.36	17.0	0.0				
100	QPSK	270	0	16.41	16.44	16.35						
100	16QAM	1	1	16.40	16.46	16.32	17.0	0.0				
100	64QAM	1	1	16.36	16.43	16.36	17.0	0.0				
100	256QAM	1	1	16.43	16.42	16.36	17.0	0.0				
Channel												
Frequency (MHz)				6496.68	6560.00	6623.34	Tune-up	MPR				
90	QPSK	1	1	16.41	16.51	16.37	17.0	0.0				
Channel												
Frequency (MHz)				6493.34	6560.00	6626.68	Tune-up	MPR				
80	QPSK	1	1	16.40	16.52	16.36	17.0	0.0				
Channel												
Frequency (MHz)				3745.02	3840	3935.01	limit	(dB)				
70	QPSK	1	1	16.43	16.49	16.40	17.0	0.0				
Channel												
Frequency (MHz)				6486.68	6560.00	6633.34	Tune-up	MPR				
60	QPSK	1	1	16.41	16.52	16.38	17.0	0.0				
Channel												
Frequency (MHz)				3720	3840	3960	limit	(dB)				
50	QPSK	1	1	16.40	16.51	16.37	17.0	0.0				
Channel												
Frequency (MHz)				6480.00	6560.00	6640.00	Tune-up	MPR				
40	QPSK	1	1	16.45	16.51	16.36	17.0	0.0				
Channel												
Frequency (MHz)				6476.68	6560.00	6643.34	Tune-up	MPR				
30	QPSK	1	1	16.41	16.48	16.40	17.0	0.0				
Channel												
Frequency (MHz)				3712.5	3840	3967.5	limit	(dB)				
25	QPSK	1	1	16.43	16.49	16.36	17.0	0.0				
Channel												
Frequency (MHz)				6473.34	6560.00	6646.68	Tune-up	MPR				
20	QPSK	1	1	16.43	16.50	16.40	17.0	0.0				
Channel												
Frequency (MHz)				6471.68	6560.00	6648.34	Tune-up	MPR				
15	QPSK	1	1	16.41	16.47	16.38	17.0	0.0				
Channel												
Frequency (MHz)				6470.00	6560.00	6650.00	Tune-up	MPR				
10	QPSK	1	1	16.42	16.50	16.42	17.0	0.0				



Part270 n77 Ant1 Main_PA DSI 8 PC2

Table with columns: 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). Contains multiple rows of channel and frequency data.

Part27Q n77 Ant1 Main_PA DSI 8

Table with columns: 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). Contains multiple rows of channel and frequency data.

Part27Q n77 Ant1 Main_PA DSI 8 PC2

Table with columns: 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). Contains multiple rows of channel and frequency data.



Part270 n78 Ant1 Main_PA DSI 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	1/2 BPSK	1	1	15.10			16.5	0.0	
100	1/2 BPSK	1	137	15.06					
100	1/2 BPSK	1	271	15.04					
100	1/2 BPSK	135	0	15.04			16.5	0.0	
100	1/2 BPSK	135	69	15.04			16.5	0.0	
100	1/2 BPSK	135	138	15.09			16.5	0.0	
100	1/2 BPSK	270	0	15.05					
100	QPSK	1	1	15.15			16.5	0.0	
100	QPSK	1	137	15.07					
100	QPSK	1	271	15.01					
100	QPSK	135	0	15.04			16.5	0.0	
100	QPSK	135	69	15.12			16.5	0.0	
100	QPSK	135	138	15.11			16.5	0.0	
100	QPSK	270	0	15.07					
100	16QAM	1	1	15.02			16.5	0.0	
100	16QAM	1	1	15.09			16.5	0.0	
100	256QAM	1	1	15.07			16.5	0.0	
Channel				649668	650000	650334	Tune-up	MPR	
Frequency (MHz)				3745.02	3750	3755.01	limit	(dB)	
90	QPSK	1	1	14.98	15.10	14.97	16.5	0.0	
Channel				649334	650000	650668	Tune-up	MPR	
Frequency (MHz)				3740.01	3750	3760.02	limit	(dB)	
80	QPSK	1	1	15.01	15.08	14.97	16.5	0.0	
Channel				649000	650000	651000	Tune-up	MPR	
Frequency (MHz)				3735	3750	3765	limit	(dB)	
70	QPSK	1	1	14.97	15.07	14.97	16.5	0.0	
Channel				648668	650000	651334	Tune-up	MPR	
Frequency (MHz)				3730.02	3750	3770.01	limit	(dB)	
60	QPSK	1	1	14.97	15.09	14.99	16.5	0.0	
Channel				648334	650000	651668	Tune-up	MPR	
Frequency (MHz)				3725.01	3750	3775.02	limit	(dB)	
50	QPSK	1	1	14.99	15.08	14.94	16.5	0.0	
Channel				648000	650000	652000	Tune-up	MPR	
Frequency (MHz)				3720	3750	3780	limit	(dB)	
40	QPSK	1	1	14.97	15.06	14.99	16.5	0.0	
Channel				647668	650000	652334	Tune-up	MPR	
Frequency (MHz)				3715.02	3750	3785.01	limit	(dB)	
30	QPSK	1	1	14.95	15.12	14.95	16.5	0.0	
Channel				647334	650000	652668	Tune-up	MPR	
Frequency (MHz)				3710.01	3750	3790.02	limit	(dB)	
25	QPSK	1	1	14.97	15.05	14.96	16.5	0.0	
Channel				647000	650000	652900	Tune-up	MPR	
Frequency (MHz)				3712.5	3750	3787.5	limit	(dB)	
20	QPSK	1	1	14.97	15.05	14.96	16.5	0.0	
Channel				646668	650000	652834	Tune-up	MPR	
Frequency (MHz)				3707.52	3750	3792.51	limit	(dB)	
15	QPSK	1	1	15.01	15.06	14.98	16.5	0.0	
Channel				647000	650000	653000	Tune-up	MPR	
Frequency (MHz)				3705	3750	3795	limit	(dB)	
10	QPSK	1	1	15.01	15.12	14.97	16.5	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	1/2 BPSK	1	1	18.39			19.5	0.0	
100	1/2 BPSK	1	137	18.45					
100	1/2 BPSK	1	271	18.44					
100	1/2 BPSK	135	0	18.44			19.5	0.0	
100	1/2 BPSK	135	69	18.38			19.5	0.0	
100	1/2 BPSK	135	138	18.46			19.5	0.0	
100	1/2 BPSK	270	0	18.45					
100	QPSK	1	1	18.52			19.5	0.0	
100	QPSK	1	137	18.40					
100	QPSK	1	271	18.43					
100	QPSK	135	0	18.41			19.5	0.0	
100	QPSK	135	69	18.46			19.5	0.0	
100	QPSK	135	138	18.41			19.5	0.0	
100	QPSK	270	0	18.44					
100	16QAM	1	1	18.41			19.5	0.0	
100	16QAM	1	1	18.39			19.5	0.0	
100	256QAM	1	1	18.46			19.5	0.0	
Channel				649668	650000	650334	Tune-up	MPR	
Frequency (MHz)				3745.02	3750	3755.01	limit	(dB)	
90	QPSK	1	1	18.39	18.47	18.39	19.5	0.0	
Channel				649334	650000	650668	Tune-up	MPR	
Frequency (MHz)				3740.01	3750	3760.02	limit	(dB)	
80	QPSK	1	1	18.40	18.49	18.37	19.5	0.0	
Channel				649000	650000	651000	Tune-up	MPR	
Frequency (MHz)				3735	3750	3765	limit	(dB)	
70	QPSK	1	1	18.37	18.45	18.35	19.5	0.0	
Channel				648668	650000	651334	Tune-up	MPR	
Frequency (MHz)				3730.02	3750	3770.01	limit	(dB)	
60	QPSK	1	1	18.39	18.44	18.39	19.5	0.0	
Channel				648334	650000	651668	Tune-up	MPR	
Frequency (MHz)				3725.01	3750	3775.02	limit	(dB)	
50	QPSK	1	1	18.42	18.46	18.34	19.5	0.0	
Channel				648000	650000	652000	Tune-up	MPR	
Frequency (MHz)				3720	3750	3780	limit	(dB)	
40	QPSK	1	1	18.42	18.47	18.38	19.5	0.0	
Channel				647668	650000	652334	Tune-up	MPR	
Frequency (MHz)				3715.02	3750	3785.01	limit	(dB)	
30	QPSK	1	1	18.35	18.45	18.35	19.5	0.0	
Channel				647334	650000	652668	Tune-up	MPR	
Frequency (MHz)				3710.01	3750	3790.02	limit	(dB)	
25	QPSK	1	1	18.40	18.44	18.37	19.5	0.0	
Channel				647000	650000	652900	Tune-up	MPR	
Frequency (MHz)				3712.5	3750	3787.5	limit	(dB)	
20	QPSK	1	1	18.40	18.49	18.39	19.5	0.0	
Channel				646668	650000	652834	Tune-up	MPR	
Frequency (MHz)				3707.52	3750	3792.51	limit	(dB)	
15	QPSK	1	1	18.36	18.48	18.36	19.5	0.0	
Channel				647000	650000	653000	Tune-up	MPR	
Frequency (MHz)				3705	3750	3795	limit	(dB)	
10	QPSK	1	1	18.42	18.46	18.40	19.5	0.0	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
				633334				
Frequency (MHz)				3500.01				
100	1/2 BPSK	1	1	14.84				
100	1/2 BPSK	1	137	14.76			16.5	0.0
100	1/2 BPSK	1	271	14.79				
100	1/2 BPSK	135	0	14.81			16.5	0.0
100	1/2 BPSK	135	69	14.84			16.5	0.0
100	1/2 BPSK	135	138	14.84			16.5	0.0
100	1/2 BPSK	270	0	14.83				
100	QPSK	1	1	14.89				
100	QPSK	1	137	14.79			16.5	0.0
100	QPSK	1	271	14.84				
100	QPSK	135	0	14.77			16.5	0.0
100	QPSK	135	69	14.83			16.5	0.0
100	QPSK	135	138	14.81			16.5	0.0
100	QPSK	270	0	14.74				
100	16QAM	1	1	14.83			16.5	0.0
100	64QAM	1	1	14.76			16.5	0.0
100	256QAM	1	1	14.80			16.5	0.0
Channel				633000	633334	633668	Tune-up	MPR
Frequency (MHz)				3495	3500.01	3505.02	limit	(dB)
90	QPSK	1	1	14.81	14.84	14.74	16.5	0.0
Channel				632668	633334	634000	Tune-up	MPR
Frequency (MHz)				3490.02	3500.01	3510	limit	(dB)
80	QPSK	1	1	14.82	14.81	14.76	16.5	0.0
Channel				632334	633334	634334	Tune-up	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	limit	(dB)
70	QPSK	1	1	14.79	14.84	14.76	16.5	0.0
Channel				632000	633334	634668	Tune-up	MPR
Frequency (MHz)				3480	3500.01	3520.02	limit	(dB)
60	QPSK	1	1	14.79	14.82	14.76	16.5	0.0
Channel				631668	633334	635000	Tune-up	MPR
Frequency (MHz)				3475.02	3500.01	3525	limit	(dB)
50	QPSK	1	1	14.82	14.84	14.72	16.5	0.0
Channel				631334	633334	635334	Tune-up	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	limit	(dB)
40	QPSK	1	1	14.79	14.86	14.76	16.5	0.0
Channel				631000	633334	635668	Tune-up	MPR
Frequency (MHz)				3465	3500.01	3535.02	limit	(dB)
30	QPSK	1	1	14.81	14.82	14.73	16.5	0.0
Channel				630334	633334	636334	Tune-up	MPR
Frequency (MHz)				3462.51	3500.01	3537.51	limit	(dB)
25	QPSK	1	1	14.82	14.81	14.73	16.5	0.0
Channel				630668	633334	636000	Tune-up	MPR
Frequency (MHz)				3460.02	3500.01	3540	limit	(dB)
20	QPSK	1	1	14.81	14.83	14.76	16.5	0.0
Channel				630500	633334	636168	Tune-up	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	limit	(dB)
15	QPSK	1	1	14.76	14.83	14.72	16.5	0.0
Channel				630334	633334	636334	Tune-up	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	limit	(dB)
10	QPSK	1	1	14.82	14.83	14.76	16.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
				633334				
Frequency (MHz)				3500.01				
100	1/2 BPSK	1	1	17.90				
100	1/2 BPSK	1	137	17.89			19.5	0.0
100	1/2 BPSK	1	271	17.81				
100	1/2 BPSK	135	0	17.86			19.5	0.0
100	1/2 BPSK	135	69	17.85			19.5	0.0
100	1/2 BPSK	135	138	17.86			19.5	0.0
100	1/2 BPSK	270	0	17.83				
100	QPSK	1	1	17.85				
100	QPSK	1	137	17.83			19.5	0.0
100	QPSK	1	271	17.83				
100	QPSK	135	0	17.89			19.5	0.0
100	QPSK	135	69	17.91			19.5	0.0
100	QPSK	135	138	17.85			19.5	0.0
100	QPSK	270	0	17.84				
100	16QAM	1	1	17.87			19.5	0.0
100	64QAM	1	1	17.83			19.5	0.0
100	256QAM	1	1	17.89			19.5	0.0
Channel				633000	633334	633668	Tune-up	MPR
Frequency (MHz)				3495	3500.01	3505.02	limit	(dB)
90	QPSK	1	1	17.77	17.87	17.74	19.5	0.0
Channel				632668	633334	634000	Tune-up	MPR
Frequency (MHz)				3490.02	3500.01	3510	limit	(dB)
80	QPSK	1	1	17.78	17.89	17.74	19.5	0.0
Channel				632334	633334	634334	Tune-up	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	limit	(dB)
70	QPSK	1	1	17.79	17.88	17.78	19.5	0.0
Channel				632000	633334	634668	Tune-up	MPR
Frequency (MHz)				3480	3500.01	3520.02	limit	(dB)
60	QPSK	1	1	17.80	17.91	17.76	19.5	0.0
Channel				631668	633334	635000	Tune-up	MPR
Frequency (MHz)				3475.02	3500.01	3525	limit	(dB)
50	QPSK	1	1	17.77	17.91	17.77	19.5	0.0
Channel				631334	633334	635334	Tune-up	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	limit	(dB)
40	QPSK	1	1	17.81	17.92	17.73	19.5	0.0
Channel				631000	633334	635668	Tune-up	MPR
Frequency (MHz)				3465	3500.01	3535.02	limit	(dB)
30	QPSK	1	1	17.77	17.87	17.75	19.5	0.0
Channel				630334	633334	636334	Tune-up	MPR
Frequency (MHz)				3462.51	3500.01	3537.51	limit	(dB)
25	QPSK	1	1	17.81	17.87	17.74	19.5	0.0
Channel				630668	633334	636000	Tune-up	MPR
Frequency (MHz)				3460.02	3500.01	3540	limit	(dB)
20	QPSK	1	1	17.81	17.89	17.76	19.5	0.0
Channel				630500	633334	636168	Tune-up	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	limit	(dB)
15	QPSK	1	1	17.80	17.91	17.77	19.5	0.0
Channel				630334	633334	636334	Tune-up	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	limit	(dB)
10	QPSK	1	1	17.85	17.75	17.71	19.5	0.0



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BW [MHz]	Modulat ion	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								
100	1/2 BPSK	1	1	11.40				
100	1/2 BPSK	1	137	11.40			12.5	0.0
100	1/2 BPSK	1	271	11.43				
100	1/2 BPSK	135	0	11.40			12.5	0.0
100	1/2 BPSK	135	69	11.40			12.5	0.0
100	1/2 BPSK	135	138	11.43			12.5	0.0
100	1/2 BPSK	270	0	11.44			12.5	0.0
100	QPSK	1	1	11.53				
100	QPSK	1	137	11.41			12.5	0.0
100	QPSK	1	271	11.44			12.5	0.0
100	QPSK	135	0	11.39			12.5	0.0
100	QPSK	135	69	11.45			12.5	0.0
100	QPSK	135	138	11.31			12.5	0.0
100	QPSK	270	0	11.35			12.5	0.0
100	16QAM	1	1	11.44			12.5	0.0
100	16QAM	1	1	11.47			12.5	0.0
100	256QAM	1	1	11.41			12.5	0.0
Channel								
Frequency (MHz)								
3750								
90	QPSK	1	1	11.42	11.48	11.35	12.5	0.0
Channel								
Frequency (MHz)								
3750								
80	QPSK	1	1	11.53	11.48	11.38	12.5	0.0
Channel								
Frequency (MHz)								
3750								
70	QPSK	1	1	11.53	11.45	11.36	12.5	0.0
Channel								
Frequency (MHz)								
3750								
60	QPSK	1	1	11.53	11.40	11.35	12.5	0.0
Channel								
Frequency (MHz)								
3750								
50	QPSK	1	1	11.59	11.49	11.36	12.5	0.0
Channel								
Frequency (MHz)								
3750								
40	QPSK	1	1	11.41	11.48	11.39	12.5	0.0
Channel								
Frequency (MHz)								
3750								
30	QPSK	1	1	11.38	11.48	11.35	12.5	0.0
Channel								
Frequency (MHz)								
3750								
25	QPSK	1	1	11.42	11.48	11.36	12.5	0.0
Channel								
Frequency (MHz)								
3750								
20	QPSK	1	1	11.38	11.50	11.35	12.5	0.0
Channel								
Frequency (MHz)								
3750								
15	QPSK	1	1	11.37	11.45	11.39	12.5	0.0
Channel								
Frequency (MHz)								
3750								
10	QPSK	1	1	11.40	11.47	11.36	12.5	0.0

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BW [MHz]	Modulat ion	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								
100	1/2 BPSK	1	1	14.61			15.5	0.0
100	1/2 BPSK	1	137	14.64			15.5	0.0
100	1/2 BPSK	1	271	14.67			15.5	0.0
100	1/2 BPSK	135	0	14.63			15.5	0.0
100	1/2 BPSK	135	69	14.67			15.5	0.0
100	1/2 BPSK	135	138	14.61			15.5	0.0
100	1/2 BPSK	270	0	14.63			15.5	0.0
100	QPSK	1	1	14.72			15.5	0.0
100	QPSK	1	137	14.61			15.5	0.0
100	QPSK	1	271	14.61			15.5	0.0
100	QPSK	135	0	14.60			15.5	0.0
100	QPSK	135	69	14.65			15.5	0.0
100	QPSK	135	138	14.55			15.5	0.0
100	QPSK	270	0	14.59			15.5	0.0
100	16QAM	1	1	14.64			15.5	0.0
100	16QAM	1	1	14.60			15.5	0.0
100	256QAM	1	1	14.60			15.5	0.0
Channel								
Frequency (MHz)								
3750								
90	QPSK	1	1	14.57	14.67	14.54	15.5	0.0
Channel								
Frequency (MHz)								
3750								
80	QPSK	1	1	14.59	14.67	14.59	15.5	0.0
Channel								
Frequency (MHz)								
3750								
70	QPSK	1	1	14.52	14.64	14.53	15.5	0.0
Channel								
Frequency (MHz)								
3750								
60	QPSK	1	1	14.59	14.64	14.53	15.5	0.0
Channel								
Frequency (MHz)								
3750								
50	QPSK	1	1	14.57	14.66	14.63	15.5	0.0
Channel								
Frequency (MHz)								
3750								
40	QPSK	1	1	14.59	14.63	14.64	15.5	0.0
Channel								
Frequency (MHz)								
3750								
30	QPSK	1	1	14.62	14.68	14.64	15.5	0.0
Channel								
Frequency (MHz)								
3750								
25	QPSK	1	1	14.60	14.67	14.64	15.5	0.0
Channel								
Frequency (MHz)								
3750								
20	QPSK	1	1	14.62	14.69	14.61	15.5	0.0
Channel								
Frequency (MHz)								
3750								
15	QPSK	1	1	14.60	14.67	14.60	15.5	0.0
Channel								
Frequency (MHz)								
3750								
10	QPSK	1	1	14.58	14.67	14.65	15.5	0.0

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BW [MHz]	Modulat ion	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)								
3500.01								
100	1/2 BPSK	1	1	10.83			12.5	0.0
100	1/2 BPSK	1	137	10.84			12.5	0.0
100	1/2 BPSK	1	271	10.82			12.5	0.0
100	1/2 BPSK	135	0	10.83			12.5	0.0
100	1/2 BPSK	135	69	10.81			12.5	0.0
100	1/2 BPSK	135	138	10.89			12.5	0.0
100	1/2 BPSK	270	0	10.88			12.5	0.0
100	QPSK	1	1	10.93			12.5	0.0
100	QPSK	1	137	10.82			12.5	0.0
100	QPSK	1	271	10.82			12.5	0.0
100	QPSK	135	0	10.81			12.5	0.0
100	QPSK	135	69	10.87			12.5	0.0
100	QPSK	135	138	10.85			12.5	0.0
100	QPSK	270	0	10.74			12.5	0.0
100	16QAM	1	1	10.89			12.5	0.0
100	16QAM	1	1	10.87			12.5	0.0
100	256QAM	1	1	10.90			12.5	0.0
Channel								
Frequency (MHz)								
3500.01								
90	QPSK	1	1	10.79	10.95	10.90	12.5	0.0
Channel								
Frequency (MHz)								
3500.01								
80	QPSK	1	1	10.77	10.95	10.90	12.5	0.0
Channel								
Frequency (MHz)								
3500.01								
70	QPSK	1	1	10.69	10.94	10.89	12.5	0.0
Channel								
Frequency (MHz)								
3500.01								
60	QPSK	1	1	10.81	10.99	10.93	12.5	0.0
Channel								
Frequency (MHz)								
3500.01								
50	QPSK	1	1	10.79	10.92	10.92	12.5	0.0
Channel								
Frequency (MHz)								
3500.01								
40	QPSK	1	1	10.76	10.96	10.95	12.5	0.0
Channel								
Frequency (MHz)								
3500.01								
30	QPSK	1	1	10.82	10.91	10.90	12.5	0.0
Channel								
Frequency (MHz)								
3500.01								
25	QPSK	1	1	10.81	10.95	10.95	12.5	0.0
Channel								
Frequency (MHz)								
3500.01								
20	QPSK	1	1	10.77	10.91	10.94	12.5	0.0
Channel								
Frequency (MHz)								
3500.01								
15	QPSK	1	1	10.76	10.93	10.91	12.5	0.0
Channel								
Frequency (MHz)								
3500.01								
10	QPSK	1	1	10.82	10.92	10.96	12.5	0.0

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BW [MHz]	Modulat ion	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)								
3500.01								
100	1/2 BPSK	1	1	13.92			15.5	0.0
100	1/2 BPSK	1	137	13.95			15.5	0.0
100	1/2 BPSK	1	271	13.96			15.5	0.0
100	1/2 BPSK	135	0	13.96			15.5	0.0
100	1/2 BPSK	135	69	13.92			15.5	0.0
100	1/2 BPSK	135	138	13.91			15.5	0.0
100	1/2 BPSK	270	0	13.91			15.5	0.0
100	QPSK	1	1	14.05			15.5	0.0
100	QPSK	1	137	13.99			15.5	0.0
100	QPSK	1	271	14.00			15.5	0.0
100	QPSK	135	0	13.94			15.5	0.0
100	QPSK	135	69	14.02			15.5	0.0
100	QPSK	135	138	14.00			15.5	0.0
100	QPSK	270	0	13.97			15.5	0.0
100	16QAM	1	1	13.99			15.5	0.0
100	16QAM	1	1	13.95			15.5	0.0
100	256QAM	1	1	13.95			15.5	0.0
Channel								
Frequency (MHz)								
3500.01								
90	QPSK	1	1	13.97	13.97	13.98	15.5	0.0
Channel								
Frequency (MHz)								
3500.01								
80	QPSK	1	1	13.93	13.97	13.95	15.5	0.0
Channel								
Frequency (MHz)								
3500.01								
70	QPSK	1	1	13.98	14.01	14.00	15.5	0.0
Channel								
Frequency (MHz)								
3500.01								
60	QPSK	1	1	13.95	13.95	13.95	15.5	0.0
Channel								
Frequency (MHz)								
3500.01								
50	QPSK	1	1	13.98	13.99	14.00	15.5	0.0
Channel								
Frequency (MHz)								
3500.01								
40	QPSK	1	1	13.98	14.01	14.00	15.5	0.0
Channel								
Frequency (MHz)								
3500.01								
30	QPSK	1	1	13.97	14.02	13.99	15.5	0.0
Channel								
Frequency (MHz)								
3500.01								
25	QPSK	1	1	13.96	13.93	13.98	15.5	0.0
Channel								
Frequency (MHz)								
3500.01								
20	QPSK	1	1	13.92	13.97	13.95	15.5	0.0
Channel								
Frequency (MHz)								
3500.01								
15	QPSK	1	1	13.96	13.96	14.00	15.5	0.0
Channel								
Frequency (MHz)								
3500.01								
10	QPSK	1	1	13.95	14.02	13.94	15.5	0.0



Reduced Power Mode for NSA DSI 6

n7 Ant0 Main_PA DSI 6								
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				504500	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	1/2 BPSK	1	1	21.29	21.40	21.22		
40	1/2 BPSK	1	108	21.31	21.40	21.27	22.0	0.0
40	1/2 BPSK	1	214	21.38	21.38	21.24		
40	1/2 BPSK	108	0	21.30	21.42	21.21	22.0	0.0
40	1/2 BPSK	108	54	21.28	21.44	21.23	22.0	0.0
40	1/2 BPSK	108	108	21.30	21.34	21.23	22.0	0.0
40	1/2 BPSK	216	0	21.35	21.38	21.25		
40	QPSK	1	1	21.38	21.45	21.32		
40	QPSK	1	108	21.29	21.41	21.23	22.0	0.0
40	QPSK	1	214	21.38	21.42	21.27		
40	QPSK	108	0	21.32	21.40	21.22	22.0	0.0
40	QPSK	108	54	21.35	21.41	21.27	22.0	0.0
40	QPSK	108	108	21.38	21.39	21.29	22.0	0.0
40	QPSK	216	0	21.29	21.33	21.21		
40	16QAM	1	1	21.31	21.43	21.22	22.0	0.0
40	16QAM	1	1	21.38	21.38	21.27	22.0	0.0
40	256QAM	1	1	19.34	19.37	19.31	20.0	2.0
Channel				503500	507000	510500	Tune-up limit (dB)	MPR
Frequency (MHz)				2517.5	2535	2552.5		
35	QPSK	1	1	21.35	21.40	21.29	22.0	0.0
Channel				503000	507000	511000	Tune-up limit (dB)	MPR
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	21.34	21.31	21.26	22.0	0.0
Channel				502500	507000	511500	Tune-up limit (dB)	MPR
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	21.35	21.35	21.28	22.0	0.0
Channel				502000	507000	512000	Tune-up limit (dB)	MPR
Frequency (MHz)				2510	2535	2560		
20	1/2 BPSK	1	1	21.38	21.40	21.29	22.0	0.0
Channel				501500	507000	512500	Tune-up limit (dB)	MPR
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	21.38	21.39	21.29	22.0	0.0
Channel				501000	507000	513000	Tune-up limit (dB)	MPR
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	21.38	21.39	21.28	22.0	0.0
Channel				500500	507000	513500	Tune-up limit (dB)	MPR
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	21.34	21.40	21.26	22.0	0.0

n66 Ant0 Other PA DSI 6								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	1/2 BPSK	1	1	21.29	21.31	21.28		
40	1/2 BPSK	1	108	21.17	21.25	21.33	21.7	0.0
40	1/2 BPSK	1	214	21.14	21.27	21.29		
40	1/2 BPSK	108	0	21.24	21.27	21.21	21.7	0.0
40	1/2 BPSK	108	54	21.27	21.22	21.33	21.7	0.0
40	1/2 BPSK	108	108	21.29	21.29	21.28	21.7	0.0
40	1/2 BPSK	216	0	21.22	21.28	21.27		
40	QPSK	1	1	21.17	21.38	21.23		
40	QPSK	1	108	21.24	21.31	21.19	21.7	0.0
40	QPSK	1	214	21.22	21.24	21.28		
40	QPSK	108	0	21.28	21.34	21.23	21.7	0.0
40	QPSK	108	54	21.20	21.37	21.32	21.7	0.0
40	QPSK	108	108	21.22	21.29	21.34	21.7	0.0
40	QPSK	216	0	21.28	21.33	21.33		
40	16QAM	1	1	21.26	21.24	21.24	21.7	0.0
40	16QAM	1	1	21.14	21.28	21.30	21.7	0.0
40	256QAM	1	1	21.01	21.09	20.98	21.2	0.5
Channel				345500	349000	352500	Tune-up limit (dB)	MPR
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	21.09	21.32	21.20	21.7	0.0
Channel				345000	349000	353000	Tune-up limit (dB)	MPR
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	21.14	21.33	21.19	21.7	0.0
Channel				344500	349000	353500	Tune-up limit (dB)	MPR
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	21.11	21.31	21.18	21.7	0.0
Channel				344000	349000	354000	Tune-up limit (dB)	MPR
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	21.12	21.31	21.15	21.7	0.0
Channel				343500	349000	354500	Tune-up limit (dB)	MPR
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	21.08	21.35	21.16	21.7	0.0
Channel				343000	349000	355000	Tune-up limit (dB)	MPR
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	21.10	21.35	21.19	21.7	0.0
Channel				342500	349000	355500	Tune-up limit (dB)	MPR
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	21.05	21.31	21.20	21.7	0.0



n38 Ant0 Main_PA DSI 6								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
	Channel			519004	519000	519996		
	Frequency (MHz)			2590.02	2595	2599.98		
40	1/2 BPSK	1	1	22.78	22.81	22.73	23.0	0.0
40	1/2 BPSK	1	53	22.73	22.80	22.72		
40	1/2 BPSK	1	104	22.76	22.86	22.70		
40	1/2 BPSK	50	0	22.72	22.83	22.70	23.0	0.0
40	1/2 BPSK	50	28	22.74	22.87	22.76		0.0
40	1/2 BPSK	50	56	22.72	22.79	22.74	23.0	0.0
40	1/2 BPSK	100	0	22.72	22.83	22.68		
40	QPSK	1	1	22.81	22.88	22.78		
40	QPSK	1	53	22.79	22.82	22.72	23.0	0.0
40	QPSK	1	104	22.72	22.84	22.76		
40	QPSK	50	0	22.76	22.81	22.74	23.0	0.0
40	QPSK	50	28	22.74	22.83	22.74		0.0
40	QPSK	50	56	22.74	22.82	22.71	23.0	0.0
40	QPSK	100	0	22.69	22.75	22.71		
40	16QAM	1	1	22.77	22.78	22.87	23.0	0.0
40	8QAM	1	1	21.21	21.26	21.17	21.5	1.5
40	256QAM	1	1	19.15	19.22	19.15	19.5	3.5
	Channel			517002	519000	520998	Tune-up	MPR
	Frequency (MHz)			2583.01	2589	2594.99	limit	(dB)
30	QPSK	1	1	22.75	22.84	22.72	23.0	0.0
	Channel			516504	519000	521498	Tune-up	MPR
	Frequency (MHz)			2582.52	2589	2597.48	limit	(dB)
25	QPSK	1	1	22.74	22.83	22.74	23.0	0.0
	Channel			516000	519000	522000	Tune-up	MPR
	Frequency (MHz)			2580	2589	2590	limit	(dB)
20	QPSK	1	1	22.77	22.83	22.75	23.0	0.0
	Channel			515502	519000	522498	Tune-up	MPR
	Frequency (MHz)			2577.51	2589	2592.49	limit	(dB)
15	QPSK	1	1	22.74	22.85	22.74	23.0	0.0
	Channel			515004	519000	522996	Tune-up	MPR
	Frequency (MHz)			2573.02	2589	2594.98	limit	(dB)
10	QPSK	1	1	22.71	22.80	22.74	23.0	0.0

n41 Ant0 Main_PA DSI 6								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
	Channel			509202	518998	528000		
	Frequency (MHz)			2546.01	2552.99	2640		
100	1/2 BPSK	1	1	22.01	22.08	22.01		
100	1/2 BPSK	1	137	22.02	22.05	21.97	22.5	0.0
100	1/2 BPSK	1	271	22.01	22.10	21.99		
100	1/2 BPSK	135	0	21.96	22.01	21.96	22.5	0.0
100	1/2 BPSK	135	69	22.04	22.00	22.03		0.0
100	1/2 BPSK	135	138	21.98	22.06	21.95	22.5	0.0
100	1/2 BPSK	270	0	21.97	22.10	21.99		
100	QPSK	1	1	22.06	22.11	22.05		
100	QPSK	1	137	21.97	22.10	21.97	22.5	0.0
100	QPSK	1	271	21.98	22.00	21.96		
100	QPSK	135	0	22.02	22.05	21.96	22.5	0.0
100	QPSK	135	69	22.01	22.06	21.95		0.0
100	QPSK	135	138	21.99	22.02	22.00	22.5	0.0
100	QPSK	270	0	21.99	22.01	21.98		
100	16QAM	1	1	21.99	22.05	21.97	22.5	0.0
100	8QAM	1	1	21.96	22.08	21.99	22.5	0.0
100	256QAM	1	1	21.67	21.71	21.69	22.0	0.5
	Channel			508200	518998	528996	Tune-up	MPR
	Frequency (MHz)			2541	2552.99	2644.98	limit	(dB)
50	QPSK	1	1	22.01	22.04	22.00	22.5	0.0
	Channel			507204	518998	529998	Tune-up	MPR
	Frequency (MHz)			2538.02	2552.99	2640.99	limit	(dB)
80	QPSK	1	1	22.02	22.09	21.95	22.5	0.0
	Channel			506202	518998	531000	Tune-up	MPR
	Frequency (MHz)			2531.01	2552.99	2655	limit	(dB)
70	QPSK	1	1	22.04	22.05	21.94	22.5	0.0
	Channel			505200	518998	531996	Tune-up	MPR
	Frequency (MHz)			2526	2571	2659.98	limit	(dB)
60	QPSK	1	1	21.95	22.00	21.93	22.5	0.0
	Channel			504204	518998	532998	Tune-up	MPR
	Frequency (MHz)			2521.02	2552.99	2664.99	limit	(dB)
50	QPSK	1	1	21.98	22.03	22.03	22.5	0.0
	Channel			503202	518998	534000	Tune-up	MPR
	Frequency (MHz)			2516.04	2552.99	2670	limit	(dB)
40	QPSK	1	1	21.97	22.07	21.97	22.5	0.0
	Channel			502200	518998	534998	Tune-up	MPR
	Frequency (MHz)			2511	2552.99	2674.98	limit	(dB)
30	QPSK	1	1	21.99	22.07	22.02	22.5	0.0
	Channel			502200	518998	534998	Tune-up	MPR
	Frequency (MHz)			2511	2552.99	2674.98	limit	(dB)
25	QPSK	1	1	22.01	22.07	22.00	22.5	0.0
	Channel			501204	518998	535998	Tune-up	MPR
	Frequency (MHz)			2506.02	2552.99	2678.99	limit	(dB)
20	QPSK	1	1	21.95	22.03	22.04	22.5	0.0
	Channel			500700	518998	536496	Tune-up	MPR
	Frequency (MHz)			2500.5	2552.99	2683.48	limit	(dB)
15	QPSK	1	1	21.96	22.01	22.03	22.5	0.0
	Channel			500202	518998	537000	Tune-up	MPR
	Frequency (MHz)			2501.01	2552.99	2685	limit	(dB)
10	QPSK	1	1	21.96	22.06	21.96	22.5	0.0



n7 Ant1 Main_PA DSI 6									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. F.Freq. 504000	Middle Ch. F.Freq. 507000	High Ch. F.Freq. 510000			
Channel									
Frequency (MHz)				2520	2535	2550			
40	1/2 BPSK	1	1	21.74	21.74	21.74	22.5	0.0	
40	1/2 BPSK	1	108	21.75	21.70	21.76			
40	1/2 BPSK	1	214	21.76	21.74	21.74			
40	1/2 BPSK	108	0	21.72	21.73	21.71	22.5	0.0	
40	1/2 BPSK	108	54	21.77	21.71	21.74	22.5	0.0	
40	1/2 BPSK	108	108	21.70	21.70	21.77	22.5	0.0	
40	1/2 BPSK	216	0	21.77	21.71	21.73	22.5	0.0	
40	QPSK	1	1	21.71	21.73	21.75			
40	QPSK	1	108	21.75	21.70	21.70	22.5	0.0	
40	QPSK	1	214	21.69	21.75	21.68			
40	QPSK	108	0	21.68	21.71	21.70	22.5	0.0	
40	QPSK	108	54	21.65	21.72	21.69	22.5	0.0	
40	QPSK	108	108	21.71	21.67	21.71	22.5	0.0	
40	QPSK	216	0	21.61	21.68	21.65			
40	16QAM	1	1	21.75	21.75	21.72	22.5	0.0	
40	16QAM	1	1	21.15	21.21	21.15	22.0	0.5	
40	256QAM	1	1	19.12	19.22	19.12	21.0	2.5	
Channel									
Frequency (MHz)				503500	507000	510500	Tune-up	MPR	
35	QPSK	1	1	21.69	21.73	21.73	limit (dB)		
Channel									
Frequency (MHz)				503000	507000	511000	Tune-up	MPR	
30	QPSK	1	1	21.61	21.67	21.65	limit (dB)		
Channel									
Frequency (MHz)				502500	507000	511500	Tune-up	MPR	
25	QPSK	1	1	21.77	21.69	21.73	limit (dB)		
Channel									
Frequency (MHz)				502000	507000	512000	Tune-up	MPR	
20	1/2 BPSK	1	1	21.69	21.69	21.72	limit (dB)		
Channel									
Frequency (MHz)				501500	507000	512500	Tune-up	MPR	
15	QPSK	1	1	21.75	21.68	21.72	limit (dB)		
Channel									
Frequency (MHz)				501000	507000	513000	Tune-up	MPR	
10	QPSK	1	1	21.76	21.77	21.77	limit (dB)		
Channel									
Frequency (MHz)				500500	507000	513500	Tune-up	MPR	
5	QPSK	1	1	21.69	21.68	21.70	limit (dB)		

n66 Ant1 Other PA DSI 6									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. F.Freq. 346000	Middle Ch. F.Freq. 349000	High Ch. F.Freq. 352000			
Channel									
Frequency (MHz)				1730	1745	1760			
40	1/2 BPSK	1	1	22.21	22.18	22.21			
40	1/2 BPSK	1	108	22.21	22.25	22.22	22.7	0.0	
40	1/2 BPSK	1	214	22.20	22.15	22.18			
40	1/2 BPSK	108	0	22.16	22.22	22.16	22.7	0.0	
40	1/2 BPSK	108	54	22.16	22.17	22.20	22.7	0.0	
40	1/2 BPSK	108	108	22.16	22.21	22.21	22.7	0.0	
40	1/2 BPSK	216	0	22.20	22.18	22.18			
40	QPSK	1	1	22.21	22.26	22.19			
40	QPSK	1	108	22.20	22.24	22.22	22.7	0.0	
40	QPSK	1	214	22.22	22.21	22.17			
40	QPSK	108	0	22.11	22.11	22.11	22.7	0.0	
40	QPSK	108	54	22.15	22.16	22.13	22.7	0.0	
40	QPSK	108	108	22.15	22.12	22.11	22.7	0.0	
40	QPSK	216	0	22.01	22.11	22.05			
40	16QAM	1	1	22.16	22.21	22.17	22.7	0.0	
40	16QAM	1	1	22.23	22.20	22.17	22.7	0.0	
40	256QAM	1	1	21.09	21.13	21.09	21.2	1.5	
Channel									
Frequency (MHz)				345000	349000	352000	Tune-up	MPR	
35	QPSK	1	1	22.16	22.19	22.22	limit (dB)		
Channel									
Frequency (MHz)				345000	349000	352000	Tune-up	MPR	
30	QPSK	1	1	22.21	22.21	22.16	limit (dB)		
Channel									
Frequency (MHz)				344500	349000	353500	Tune-up	MPR	
25	QPSK	1	1	22.25	22.15	22.21	limit (dB)		
Channel									
Frequency (MHz)				344000	349000	354000	Tune-up	MPR	
20	QPSK	1	1	22.20	22.15	22.21	limit (dB)		
Channel									
Frequency (MHz)				343500	349000	354500	Tune-up	MPR	
15	QPSK	1	1	22.19	22.18	22.17	limit (dB)		
Channel									
Frequency (MHz)				343000	349000	355000	Tune-up	MPR	
10	QPSK	1	1	22.20	22.21	22.20	limit (dB)		
Channel									
Frequency (MHz)				342500	349000	355500	Tune-up	MPR	
5	QPSK	1	1	22.15	22.20	22.18	limit (dB)		



n38 Ant1 Main_PA DSI 6									
BW [MHz]	Modulati on	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	1/2 BPSK	1	1	19.01	19.05	18.96			
40	1/2 BPSK	1	53	18.99	19.06	19.00	19.5	0.0	
40	1/2 BPSK	1	104	19.00	19.09	18.99			
40	1/2 BPSK	50	0	19.04	19.05	19.00	19.5	0.0	
40	1/2 BPSK	50	28	18.97	19.06	18.96	19.5	0.0	
40	1/2 BPSK	50	56	19.01	19.07	18.97	19.5	0.0	
40	1/2 BPSK	100	0	19.04	19.07	18.94			
40	QPSK	1	1	19.05	19.12	19.03			
40	QPSK	1	53	19.04	19.10	18.93	19.5	0.0	
40	QPSK	1	104	19.03	19.02	18.92			
40	QPSK	50	0	19.02	19.01	18.93	19.5	0.0	
40	QPSK	50	28	19.01	19.05	18.95	19.5	0.0	
40	QPSK	50	56	18.97	19.01	18.97			
40	QPSK	100	0	19.01	19.02	18.85			
40	16QAM	1	1	19.00	19.08	19.01	19.5	0.0	
40	64QAM	1	1	19.00	19.10	18.94	19.5	0.0	
40	256QAM	1	1	18.96	18.99	18.88	19.5	0.0	
Channel				517002	519000	520998	Tune-up	MPR	
Frequency (MHz)				2635.01	2635	2639.99	limit	(dB)	
30	QPSK	1	1	18.98	19.07	19.01	19.5	0.0	
Channel				518504	519000	521496	Tune-up	MPR	
Frequency (MHz)				2582.52	2595	2607.48	limit	(dB)	
25	QPSK	1	1	19.03	19.04	18.99	19.5	0.0	
Channel				518000	519000	522000	Tune-up	MPR	
Frequency (MHz)				2580	2595	2610	limit	(dB)	
20	QPSK	1	1	18.95	19.06	18.98	19.5	0.0	
Channel				515502	519000	522498	Tune-up	MPR	
Frequency (MHz)				2577.51	2635	2612.49	limit	(dB)	
15	QPSK	1	1	19.03	19.03	18.99	19.5	0.0	
Channel				515004	519000	522996	Tune-up	MPR	
Frequency (MHz)				2575.02	2595	2614.98	limit	(dB)	
10	QPSK	1	1	18.97	19.08	19.01	19.5	0.0	

n41 Ant1 Main_PA DSI 6									
BW [MHz]	Modulati on	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	1/2 BPSK	1	1	19.57	19.65	19.61			
100	1/2 BPSK	1	137	19.57	19.63	19.57	20.5	0.0	
100	1/2 BPSK	1	271	19.54	19.67	19.65			
100	1/2 BPSK	135	0	19.56	19.66	19.64	20.5	0.0	
100	1/2 BPSK	135	69	19.59	19.68	19.56	20.5	0.0	
100	1/2 BPSK	135	138	19.61	19.66	19.60	20.5	0.0	
100	1/2 BPSK	270	0	19.60	19.62	19.62			
100	QPSK	1	1	19.65	19.72	19.66			
100	QPSK	1	137	19.57	19.71	19.57	20.5	0.0	
100	QPSK	1	271	19.63	19.62	19.61			
100	QPSK	135	0	19.58	19.61	19.57	20.5	0.0	
100	QPSK	135	69	19.60	19.64	19.57	20.5	0.0	
100	QPSK	135	138	19.62	19.61	19.56	20.5	0.0	
100	QPSK	270	0	19.61	19.64	19.65			
100	16QAM	1	1	19.62	19.64	19.57	20.5	0.0	
100	64QAM	1	1	19.56	19.65	19.57	20.5	0.0	
100	256QAM	1	1	18.58	18.62	18.60	19.5	1.0	
Channel				508200	518598	528996	Tune-up	MPR	
Frequency (MHz)				2541	2592.99	2644.98	limit	(dB)	
90	QPSK	1	1	19.63	19.64	19.58	20.5	0.0	
Channel				507204	518598	529998	Tune-up	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99	limit	(dB)	
80	QPSK	1	1	19.55	19.68	19.64	20.5	0.0	
Channel				509202	518598	531000	Tune-up	MPR	
Frequency (MHz)				2531.01	2592.99	2655	limit	(dB)	
70	QPSK	1	1	19.56	19.69	19.62	20.5	0.0	
Channel				505200	518598	531996	Tune-up	MPR	
Frequency (MHz)				2526	2592.99	2659.98	limit	(dB)	
60	QPSK	1	1	19.63	19.63	19.63	20.5	0.0	
Channel				504204	518598	532998	Tune-up	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99	limit	(dB)	
50	QPSK	1	1	19.56	19.64	19.62	20.5	0.0	
Channel				503202	518598	534000	Tune-up	MPR	
Frequency (MHz)				2516.01	2592.99	2670	limit	(dB)	
40	QPSK	1	1	19.55	19.68	19.58	20.5	0.0	
Channel				502200	518598	534996	Tune-up	MPR	
Frequency (MHz)				2511	2592.99	2674.98	limit	(dB)	
30	QPSK	1	1	19.55	19.69	19.62	20.5	0.0	
Channel				502200	518598	534996	Tune-up	MPR	
Frequency (MHz)				2511	2592.99	2674.98	limit	(dB)	
25	QPSK	1	1	19.63	19.67	19.58	20.5	0.0	
Channel				501204	518598	535998	Tune-up	MPR	
Frequency (MHz)				2506.02	2592.99	2678.99	limit	(dB)	
20	QPSK	1	1	19.61	19.62	19.63	20.5	0.0	
Channel				500700	518598	536496	Tune-up	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48	limit	(dB)	
15	QPSK	1	1	19.55	19.64	19.57	20.5	0.0	
Channel				500202	518598	537000	Tune-up	MPR	
Frequency (MHz)				2501.01	2592.99	2685	limit	(dB)	
10	QPSK	1	1	19.58	19.62	19.56	20.5	0.0	

Part270 n77 Ant1 Main_PA DSI 6									
BW [MHz]	Modulati on	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	1/2 BPSK	1	1	17.43	17.47	17.38			
100	1/2 BPSK	1	137	17.47	17.50	17.32	18.0	0.0	
100	1/2 BPSK	1	271	17.40	17.51	17.39			
100	1/2 BPSK	135	0	17.41	17.47	17.35	18.0	0.0	
100	1/2 BPSK	135	69	17.44	17.51	17.38	18.0	0.0	
100	1/2 BPSK	135	138	17.45	17.54	17.33	18.0	0.0	
100	1/2 BPSK	270	0	17.44	17.49	17.40			
100	QPSK	1	1	17.49	17.55	17.42			
100	QPSK	1	137	17.48	17.45	17.39	18.0	0.0	
100	QPSK	1	271	17.40	17.47	17.38			
100	QPSK	135	0	17.39	17.49	17.37	18.0	0.0	
100	QPSK	135	69	17.41	17.52	17.38	18.0	0.0	
100	QPSK	135	138	17.44	17.45	17.40	18.0	0.0	
100	QPSK	270	0	17.42	17.46	17.35			
100	16QAM	1	1	17.40	17.52	17.40	18.0	0.0	
100	64QAM	1	1	17.46	17.51	17.38	18.0	0.0	
100	256QAM	1	1	17.39	17.50	17.37	18.0	0.0	
Channel				649668	656000	662334	Tune-up	MPR	
Frequency (MHz)				3745.02	3840	3935.01	limit	(dB)	
90	QPSK	1	1	17.44	17.52	17.35	18.0	0.0	
Channel				649334	656000	662668	Tune-up	MPR	
Frequency (MHz)				3740.01	3840	3940.02	limit	(dB)	
80	QPSK	1	1	17.40	17.51	17.36	18.0	0.0	
Channel				649000	656000	663000	Tune-up	MPR	
Frequency (MHz)				3735	3840	3945	limit	(dB)	
70	QPSK	1	1	17.40	17.52	17.34	18.0	0.0	
Channel				648668	656000	663334	Tune-up	MPR	
Frequency (MHz)				3730.02	3840	3950.01	limit	(dB)	
60	QPSK	1	1	17.40	17.45	17.33	18.0	0.0	
Channel				648334	656000	663668	Tune-up	MPR	
Frequency (MHz)				3725.01	3840	3955.02	limit	(dB)	
50	QPSK	1	1	17.40	17.49	17.35	18.0	0.0	
Channel				648000	656000	664000	Tune-up	MPR	
Frequency (MHz)				3720	3840	3960	limit	(dB)	
40	QPSK	1	1	17.44	17.51	17.33	18.0	0.0	
Channel				647668	656000	664334	Tune-up	MPR	
Frequency (MHz)				3715.02	3840	3965.01	limit	(dB)	
30	QPSK	1	1	17.40	17.51	17.39	18.0	0.0	
Channel				647334	656000	664668	Tune-up	MPR	
Frequency (MHz)				3710.01	3840	3970.02	limit	(dB)	
20	QPSK	1	1	17.41	17.45	17.39	18.0	0.0	
Channel				647000	656000	665000	Tune-up	MPR	
Frequency (MHz)				3705	3840	3975	limit	(dB)	
15	QPSK	1	1	17.44	17.52	17.39	18.0	0.0	
Channel				647000	656000	665000	Tune-up	MPR	
Frequency (MHz)				3705	3840	3975	limit	(dB)	
10	QPSK	1	1	17.41	17.45	17.34	18.0	0.0	



Part27O n77 Ant1 Main_PA DSI 6 PC2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	1/2 BPS	1	1	20.26	20.32	20.26	21.0	0.0
100	1/2 BPS	1	137	20.32	20.37	20.26		
100	1/2 BPS	1	271	20.25	20.25	20.22		
100	1/2 BPS	135	0	20.33	20.34	20.23	21.0	0.0
100	1/2 BPS	135	69	20.33	20.35	20.28	21.0	0.0
100	1/2 BPS	135	138	20.32	20.33	20.27	21.0	0.0
100	1/2 BPS	270	0	20.28	20.36	20.30		
100	QPSK	1	1	20.35	20.38	20.32		
100	QPSK	1	137	20.29	20.29	20.28	21.0	0.0
100	QPSK	1	271	20.28	20.33	20.23		
100	QPSK	135	0	20.27	20.34	20.22	21.0	0.0
100	QPSK	135	69	20.31	20.36	20.25	21.0	0.0
100	QPSK	135	138	20.29	20.32	20.30	21.0	0.0
100	QPSK	270	0	20.27	20.29	20.28		
100	16QAM	1	1	20.32	20.31	20.22	21.0	0.0
100	64QAM	1	1	20.30	20.35	20.26	21.0	0.0
100	256QAM	1	1	20.09	20.17	20.11	21.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	3145.02	3840	3935.01	limit	(dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	6493.34	656000	662668	limit	(dB)
Channel								
Frequency (MHz)								
70	QPSK	1	1	3740.01	3840	3940.02	limit	(dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	20.32	20.35	20.26	21.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	648668	656000	663334	limit	(dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	3735	3840	3945	limit	(dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	648334	656000	663668	limit	(dB)
Channel								
Frequency (MHz)								
25	QPSK	1	1	3725	3840	3955.02	limit	(dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	648000	656000	664000	limit	(dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	3720	3840	3960	limit	(dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	647668	656000	664334	limit	(dB)
Channel								
Frequency (MHz)								
5	QPSK	1	1	3715.02	3840	3965.01	limit	(dB)
Channel								
Frequency (MHz)								
0	QPSK	1	1	647334	656000	664668	limit	(dB)
Channel								
Frequency (MHz)								
0	QPSK	1	1	3710.01	3840	3970.02	limit	(dB)
Channel								
Frequency (MHz)								
0	QPSK	1	1	647000	656000	664900	limit	(dB)
Channel								
Frequency (MHz)								
0	QPSK	1	1	3705	3840	3975	limit	(dB)
Channel								
Frequency (MHz)								
0	QPSK	1	1	647168	656000	664834	limit	(dB)
Channel								
Frequency (MHz)								
0	QPSK	1	1	3707.52	3840	3972.51	limit	(dB)
Channel								
Frequency (MHz)								
0	QPSK	1	1	647000	656000	665000	limit	(dB)
Channel								
Frequency (MHz)								
0	QPSK	1	1	3705	3840	3975	limit	(dB)

Part27Q n77 Ant1 Main_PA DSI 6

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)								
100	1/2 BPS	1	1		16.18			
100	1/2 BPS	1	137		16.14		18.0	0.0
100	1/2 BPS	1	271		16.12			
100	1/2 BPS	135	0		16.18		18.0	0.0
100	1/2 BPS	135	69		16.14		18.0	0.0
100	1/2 BPS	135	138		16.17		18.0	0.0
100	1/2 BPS	270	0		16.21			
100	QPSK	1	1		16.22			
100	QPSK	1	137		16.16		18.0	0.0
100	QPSK	1	271		16.20			
100	QPSK	135	0		16.12		18.0	0.0
100	QPSK	135	69		16.16		18.0	0.0
100	QPSK	135	138		16.15		18.0	0.0
100	QPSK	270	0		16.12			
100	16QAM	1	1		16.17		18.0	0.0
100	64QAM	1	1		16.19		18.0	0.0
100	256QAM	1	1		16.17		18.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	633000	633334	633668	limit	(dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	3495	3500.01	3535.02	limit	(dB)
Channel								
Frequency (MHz)								
70	QPSK	1	1	632668	633334	634000	limit	(dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	3490.02	3500.01	3510	limit	(dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	16.07	16.11	16.04	18.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	632334	633334	634334	limit	(dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	3485.01	3500.01	3515.01	limit	(dB)
Channel								
Frequency (MHz)								
25	QPSK	1	1	16.08	16.19	16.04	18.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	632000	633334	634668	limit	(dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	3480	3500.01	3520.02	limit	(dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	631668	633334	635000	limit	(dB)
Channel								
Frequency (MHz)								
5	QPSK	1	1	3475.02	3500.01	3525	limit	(dB)
Channel								
Frequency (MHz)								
0	QPSK	1	1	16.11	16.15	16.04	18.0	0.0
Channel								
Frequency (MHz)								
0	QPSK	1	1	631334	633334	635334	limit	(dB)
Channel								
Frequency (MHz)								
0	QPSK	1	1	3470.01	3500.01	3530.01	limit	(dB)
Channel								
Frequency (MHz)								
0	QPSK	1	1	631000	633334	635668	limit	(dB)
Channel								
Frequency (MHz)								
0	QPSK	1	1	3465	3500.01	3535.02	limit	(dB)
Channel								
Frequency (MHz)								
0	QPSK	1	1	630668	633334	636000	limit	(dB)
Channel								
Frequency (MHz)								
0	QPSK	1	1	3460	3500.01	3540	limit	(dB)
Channel								
Frequency (MHz)								
0	QPSK	1	1	630334	633334	636334	limit	(dB)
Channel								
Frequency (MHz)								
0	QPSK	1	1	3455.01	3500.01	3545.01	limit	(dB)

Part27Q n77 Ant1 Main_PA DSI 6 PC2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	1/2 BPS	1	1		19.70			
100	1/2 BPS	1	137		19.75		21.0	0.0
100	1/2 BPS	1	271		19.72			
100	1/2 BPS	135	0		19.76		21.0	0.0
100	1/2 BPS	135	69		19.66		21.0	0.0
100	1/2 BPS	135	138		19.67		21.0	0.0
100	1/2 BPS	270	0		19.72			
100	QPSK	1	1		19.77			
100	QPSK	1	137		19.76		21.0	0.0
100	QPSK	1	271		19.69			
100	QPSK	135	0		19.61		21.0	0.0
100	QPSK	135	69		19.65		21.0	0.0
100	QPSK	135	138		19.61		21.0	0.0
100	QPSK	270	0		19.62			
100	16QAM	1	1		19.45		21.0	0.0
100	64QAM	1	1		19.43		21.0	0.0
100	256QAM	1	1		19.49		21.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	633000	633334	633668	limit	(dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	3495	3500.01	3535.02	limit	(dB)
Channel								
Frequency (MHz)								
70	QPSK	1	1	632668	633334	634000	limit	(dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	3490.02	3500.01	3510	limit	(dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.65	19.70	19.62	21.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	632334	633334	634334	limit	(dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	3485.01	3500.01	3515.01	limit	(dB)
Channel								
Frequency (MHz)								
25	QPSK	1	1	19.62	19.72	19.62	21.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	632000	633334	634668	limit	(dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	3480	3500.01	3520.02	limit	(dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	631668	633334	635000	limit	(dB)
Channel								
Frequency (MHz)								
5	QPSK	1	1	3475.02	3500.01	3525	limit	(dB)
Channel								
Frequency (MHz)								
0	QPSK	1	1	19.62	19.69	19.57	21.0	0.0
Channel								
Frequency (MHz)								
0	QPSK	1	1	631334	633334	635334	limit	(dB)
Channel								
Frequency (MHz)								
0	QPSK	1	1	3470.01	3500.01	3530.01	limit	(dB)
Channel								
Frequency (MHz)								
0	QPSK	1	1	631000	633334	635668	limit	(dB)
Channel								
Frequency (MHz)								
0	QPSK	1	1	3465	3500.01	3535.02	limit	(dB)
Channel								
Frequency (MHz)								
0	QPSK	1	1	630668	633334	636000	limit	(dB)
Channel								
Frequency (MHz)								
0	QPSK	1	1	3460	3500.01	3540	limit	(dB)
Channel								
Frequency (MHz)								
0	QPSK	1	1	630334	633334	636334	limit	(dB)
Channel								
Frequency (MHz)								
0	QPSK	1	1	3455.01	3500.01	3545.01	limit	(dB)



Part270 n78 Ant1 Main_PA DSI 6										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				650000						
Frequency (MHz)				3750						
100	1/2 BPSK	1	1	15.05						
100	1/2 BPSK	1	137	15.06			16.5	0.0		
100	1/2 BPSK	1	271	15.11						
100	1/2 BPSK	135	0	15.07			16.5	0.0		
100	1/2 BPSK	135	69	15.14			16.5	0.0		
100	1/2 BPSK	135	138	15.05			16.5	0.0		
100	1/2 BPSK	270	0	15.13						
100	QPSK	1	1	15.15						
100	QPSK	1	137	15.05			16.5	0.0		
100	QPSK	1	271	15.04						
100	QPSK	135	0	15.08			16.5	0.0		
100	QPSK	135	69	15.12			16.5	0.0		
100	QPSK	135	138	15.05			16.5	0.0		
100	QPSK	270	0	15.07						
100	16QAM	1	1	15.13			16.5	0.0		
100	64QAM	1	1	15.05			16.5	0.0		
100	256QAM	1	1	15.01			16.5	0.0		
Channel				649668	650000	650334	Tune-up	MPR		
Frequency (MHz)				3745.02	3750	3755.01	limit	(dB)		
90	QPSK	1	1	14.99	15.06	15.03	16.5	0.0		
Channel				649334	650000	650668	Tune-up	MPR		
Frequency (MHz)				3740.01	3750	3760.02	limit	(dB)		
80	QPSK	1	1	14.99	15.03	15.04	16.5	0.0		
Channel				649000	650000	651000	Tune-up	MPR		
Frequency (MHz)				3735	3750	3765	limit	(dB)		
70	QPSK	1	1	14.96	15.10	15.02	16.5	0.0		
Channel				648668	650000	651334	Tune-up	MPR		
Frequency (MHz)				3730.02	3750	3770.01	limit	(dB)		
60	QPSK	1	1	14.93	15.11	15.02	16.5	0.0		
Channel				648334	650000	651668	Tune-up	MPR		
Frequency (MHz)				3725.01	3750	3775.02	limit	(dB)		
50	QPSK	1	1	15.01	15.11	15.02	16.5	0.0		
Channel				648000	650000	652000	Tune-up	MPR		
Frequency (MHz)				3720	3750	3780	limit	(dB)		
40	QPSK	1	1	14.97	15.12	15.03	16.5	0.0		
Channel				647668	650000	652334	Tune-up	MPR		
Frequency (MHz)				3715.02	3750	3785.01	limit	(dB)		
30	QPSK	1	1	14.95	15.07	15.04	16.5	0.0		
Channel				647334	650000	652668	Tune-up	MPR		
Frequency (MHz)				3712.5	3750	3787.5	limit	(dB)		
25	QPSK	1	1	15.01	15.10	15.07	16.5	0.0		
Channel				647334	650000	652668	Tune-up	MPR		
Frequency (MHz)				3710.01	3750	3790.02	limit	(dB)		
20	QPSK	1	1	14.99	15.07	15.03	16.5	0.0		
Channel				647168	650000	652834	Tune-up	MPR		
Frequency (MHz)				3707.52	3750	3792.51	limit	(dB)		
15	QPSK	1	1	14.96	15.09	15.04	16.5	0.0		
Channel				647000	650000	653000	Tune-up	MPR		
Frequency (MHz)				3705	3750	3795	limit	(dB)		
10	QPSK	1	1	15.02	15.10	15.08	16.5	0.0		

Part270 n78 Ant1 Main_PA DSI 6 PC2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				650000						
Frequency (MHz)				3750						
100	1/2 BPSK	1	1	18.50						
100	1/2 BPSK	1	137	18.46			19.5	0.0		
100	1/2 BPSK	1	271	18.46						
100	1/2 BPSK	135	0	18.46			19.5	0.0		
100	1/2 BPSK	135	69	18.45			19.5	0.0		
100	1/2 BPSK	135	138	18.45			19.5	0.0		
100	1/2 BPSK	270	0	18.50						
100	QPSK	1	1	18.52						
100	QPSK	1	137	18.46			19.5	0.0		
100	QPSK	1	271	18.47						
100	QPSK	135	0	18.41			19.5	0.0		
100	QPSK	135	69	18.46			19.5	0.0		
100	QPSK	135	138	18.43			19.5	0.0		
100	QPSK	270	0	18.44						
100	16QAM	1	1	18.47			19.5	0.0		
100	64QAM	1	1	18.48			19.5	0.0		
100	256QAM	1	1	18.41			19.5	0.0		
Channel				649668	650000	650334	Tune-up	MPR		
Frequency (MHz)				3745.02	3750	3755.01	limit	(dB)		
90	QPSK	1	1	18.37	18.44	18.38	19.5	0.0		
Channel				649334	650000	650668	Tune-up	MPR		
Frequency (MHz)				3740.01	3750	3760.02	limit	(dB)		
80	QPSK	1	1	18.42	18.43	18.34	19.5	0.0		
Channel				649000	650000	651000	Tune-up	MPR		
Frequency (MHz)				3735	3750	3765	limit	(dB)		
70	QPSK	1	1	18.40	18.43	18.40	19.5	0.0		
Channel				648668	650000	651334	Tune-up	MPR		
Frequency (MHz)				3730.02	3750	3770.01	limit	(dB)		
60	QPSK	1	1	18.38	18.44	18.40	19.5	0.0		
Channel				648334	650000	651668	Tune-up	MPR		
Frequency (MHz)				3725.01	3750	3775.02	limit	(dB)		
50	QPSK	1	1	18.39	18.45	18.38	19.5	0.0		
Channel				648000	650000	652000	Tune-up	MPR		
Frequency (MHz)				3720	3750	3780	limit	(dB)		
40	QPSK	1	1	18.36	18.44	18.38	19.5	0.0		
Channel				647668	650000	652334	Tune-up	MPR		
Frequency (MHz)				3715.02	3750	3785.01	limit	(dB)		
30	QPSK	1	1	18.37	18.43	18.36	19.5	0.0		
Channel				647334	650000	652668	Tune-up	MPR		
Frequency (MHz)				3712.5	3750	3787.5	limit	(dB)		
25	QPSK	1	1	18.41	18.47	18.38	19.5	0.0		
Channel				647334	650000	652668	Tune-up	MPR		
Frequency (MHz)				3710.01	3750	3790.02	limit	(dB)		
20	QPSK	1	1	18.36	18.47	18.34	19.5	0.0		
Channel				647168	650000	652834	Tune-up	MPR		
Frequency (MHz)				3707.52	3750	3792.51	limit	(dB)		
15	QPSK	1	1	18.40	18.46	18.39	19.5	0.0		
Channel				647000	650000	653000	Tune-up	MPR		
Frequency (MHz)				3705	3750	3795	limit	(dB)		
10	QPSK	1	1	18.41	18.43	18.42	19.5	0.0		



Part27Q n78 Ant1 Main_PA DSI 6							
BW [MHz]	Modulati on	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)				633334			
Frequency (MHz)				3500.01			
100	1/2 BPSK	1	1	14.79			
100	1/2 BPSK	1	137	14.83			
100	1/2 BPSK	1	271	14.84			16.5
100	1/2 BPSK	135	0	14.81			16.5
100	1/2 BPSK	135	69	14.86			16.5
100	1/2 BPSK	135	138	14.86			16.5
100	1/2 BPSK	270	0	14.85			16.5
100	QPSK	1	1	14.89			
100	QPSK	1	137	14.87			16.5
100	QPSK	1	271	14.79			16.5
100	QPSK	135	0	14.81			16.5
100	QPSK	135	69	14.83			16.5
100	QPSK	135	138	14.81			16.5
100	QPSK	270	0	14.74			16.5
100	16QAM	1	1	14.84			16.5
100	64QAM	1	1	14.88			16.5
100	256QAM	1	1	14.84			16.5
Channel				633000	633334	633668	Tune-up
Frequency (MHz)				3495	3500.01	3505.02	limit
90	QPSK	1	1	14.77	14.81	14.88	16.5
Channel				632668	633334	634000	Tune-up
Frequency (MHz)				3490.02	3500.01	3510	limit
80	QPSK	1	1	14.72	14.80	14.88	16.5
Channel				632334	633334	634334	Tune-up
Frequency (MHz)				3485.01	3500.01	3515.01	limit
70	QPSK	1	1	14.74	14.84	14.71	16.5
Channel				632000	633334	634668	Tune-up
Frequency (MHz)				3480	3500.01	3520.02	limit
60	QPSK	1	1	14.77	14.83	14.69	16.5
Channel				631668	633334	635000	Tune-up
Frequency (MHz)				3475.02	3500.01	3525	limit
50	QPSK	1	1	14.77	14.82	14.71	16.5
Channel				631334	633334	635334	Tune-up
Frequency (MHz)				3470.01	3500.01	3530.01	limit
40	QPSK	1	1	14.74	14.80	14.70	16.5
Channel				631000	633334	635668	Tune-up
Frequency (MHz)				3465	3500.01	3535.02	limit
30	QPSK	1	1	14.77	14.84	14.66	16.5
Channel				630668	633334	636000	Tune-up
Frequency (MHz)				3462.51	3500.01	3537.51	limit
25	QPSK	1	1	14.77	14.85	14.72	16.5
Channel				630668	633334	636000	Tune-up
Frequency (MHz)				3460.02	3500.01	3540	limit
20	QPSK	1	1	14.76	14.80	14.71	16.5
Channel				630500	633334	636168	Tune-up
Frequency (MHz)				3457.5	3500.01	3542.52	limit
15	QPSK	1	1	14.77	14.85	14.67	16.5
Channel				630334	633334	636334	Tune-up
Frequency (MHz)				3455.01	3500.01	3545.01	limit
10	QPSK	1	1	14.72	14.86	14.69	16.5

Part27Q n78 Ant1 Main_PA DSI 6 PC2							
BW [MHz]	Modulati on	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)				633334			
Frequency (MHz)				3500.01			
100	1/2 BPSK	1	1	17.92			
100	1/2 BPSK	1	137	17.89			19.5
100	1/2 BPSK	1	271	17.81			19.5
100	1/2 BPSK	135	0	17.90			19.5
100	1/2 BPSK	135	69	17.89			19.5
100	1/2 BPSK	135	138	17.93			19.5
100	1/2 BPSK	270	0	17.86			19.5
100	QPSK	1	1	17.85			19.5
100	QPSK	1	137	17.88			19.5
100	QPSK	1	271	17.90			19.5
100	QPSK	135	0	17.90			19.5
100	QPSK	135	69	17.91			19.5
100	QPSK	135	138	17.78			19.5
100	QPSK	270	0	17.84			19.5
100	16QAM	1	1	17.86			19.5
100	64QAM	1	1	17.90			19.5
100	256QAM	1	1	17.81			19.5
Channel				633000	633334	633668	Tune-up
Frequency (MHz)				3495	3500.01	3505.02	limit
90	QPSK	1	1	17.77	17.89	17.85	19.5
Channel				632668	633334	634000	Tune-up
Frequency (MHz)				3490.02	3500.01	3510	limit
80	QPSK	1	1	17.78	17.87	17.87	19.5
Channel				632334	633334	634334	Tune-up
Frequency (MHz)				3485.01	3500.01	3515.01	limit
70	QPSK	1	1	17.77	17.90	17.84	19.5
Channel				632000	633334	634668	Tune-up
Frequency (MHz)				3480	3500.01	3520.02	limit
60	QPSK	1	1	17.78	17.80	17.83	19.5
Channel				631668	633334	635000	Tune-up
Frequency (MHz)				3475.02	3500.01	3525	limit
50	QPSK	1	1	17.78	17.89	17.82	19.5
Channel				631334	633334	635334	Tune-up
Frequency (MHz)				3470.01	3500.01	3530.01	limit
40	QPSK	1	1	17.82	17.91	17.88	19.5
Channel				631000	633334	635668	Tune-up
Frequency (MHz)				3465	3500.01	3535.02	limit
30	QPSK	1	1	17.82	17.81	17.85	19.5
Channel				630668	633334	636000	Tune-up
Frequency (MHz)				3462.51	3500.01	3537.51	limit
25	QPSK	1	1	17.82	17.86	17.85	19.5
Channel				630668	633334	636000	Tune-up
Frequency (MHz)				3460.02	3500.01	3540	limit
20	QPSK	1	1	17.76	17.89	17.85	19.5
Channel				630500	633334	636168	Tune-up
Frequency (MHz)				3457.5	3500.01	3542.52	limit
15	QPSK	1	1	17.80	17.91	17.85	19.5
Channel				630334	633334	636334	Tune-up
Frequency (MHz)				3455.01	3500.01	3545.01	limit
10	QPSK	1	1	17.82	17.92	17.87	19.5



Part270 n77 Ant8 Main_PA DSI 6									
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	1/2 BPSK	1	1	14.83	14.79	14.66			
100	1/2 BPSK	1	137	14.74	14.75	14.71	16.0	0.0	
100	1/2 BPSK	1	271	14.83	14.80	14.64			
100	1/2 BPSK	135	0	14.83	14.80	14.71	16.0	0.0	
100	1/2 BPSK	135	69	14.76	14.78	14.65	16.0	0.0	
100	1/2 BPSK	135	138	14.75	14.81	14.67	16.0	0.0	
100	1/2 BPSK	270	0	14.73	14.83	14.72			
100	QPSK	1	1	14.87	14.89	14.76			
100	QPSK	1	137	14.77	14.79	14.71	16.0	0.0	
100	QPSK	1	271	14.77	14.79	14.62			
100	QPSK	135	0	14.80	14.79	14.70	16.0	0.0	
100	QPSK	135	69	14.76	14.82	14.72	16.0	0.0	
100	QPSK	135	138	14.77	14.81	14.69	16.0	0.0	
100	QPSK	270	0	14.70	14.71	14.65			
100	16QAM	1	1	14.77	14.80	14.63	16.0	0.0	
100	64QAM	1	1	14.79	14.77	14.63	16.0	0.0	
100	256QAM	1	1	14.81	14.79	14.70	16.0	0.0	
Channel				649668	656000	662334	Tune-up	MPR	
Frequency (MHz)				3745.02	3840	3935.01	limit	(dB)	
90	QPSK	1	1	14.79	14.80	14.73	16.0	0.0	
Channel				649334	656000	662668	Tune-up	MPR	
Frequency (MHz)				3740.01	3840	3940.02	limit	(dB)	
80	QPSK	1	1	14.84	14.80	14.73	16.0	0.0	
Channel				649000	656000	663000	Tune-up	MPR	
Frequency (MHz)				3735	3840	3945	limit	(dB)	
70	QPSK	1	1	14.84	14.81	14.73	16.0	0.0	
Channel				648668	656000	663334	Tune-up	MPR	
Frequency (MHz)				3730.02	3840	3950.01	limit	(dB)	
60	QPSK	1	1	14.83	14.82	14.70	16.0	0.0	
Channel				648334	656000	663668	Tune-up	MPR	
Frequency (MHz)				3725.01	3840	3955.02	limit	(dB)	
50	QPSK	1	1	14.81	14.84	14.68	16.0	0.0	
Channel				648000	656000	664000	Tune-up	MPR	
Frequency (MHz)				3720	3840	3960	limit	(dB)	
40	QPSK	1	1	14.78	14.83	14.68	16.0	0.0	
Channel				647668	656000	664334	Tune-up	MPR	
Frequency (MHz)				3715.02	3840	3965.01	limit	(dB)	
30	QPSK	1	1	14.81	14.85	14.73	16.0	0.0	
Channel				647300	656000	664500	Tune-up	MPR	
Frequency (MHz)				3712.5	3840	3967.5	limit	(dB)	
25	QPSK	1	1	14.80	14.80	14.70	16.0	0.0	
Channel				647334	656000	664668	Tune-up	MPR	
Frequency (MHz)				3710.01	3840	3970.02	limit	(dB)	
20	QPSK	1	1	14.82	14.82	14.70	16.0	0.0	
Channel				647168	656000	664834	Tune-up	MPR	
Frequency (MHz)				3707.52	3840	3972.51	limit	(dB)	
15	QPSK	1	1	14.79	14.80	14.67	16.0	0.0	
Channel				647000	656000	665000	Tune-up	MPR	
Frequency (MHz)				3705	3840	3975	limit	(dB)	
10	QPSK	1	1	14.82	14.85	14.68	16.0	0.0	

Part270 n77 Ant8 Main_PA DSI 6 PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	1/2 BPSK	1	1	17.81	17.81	17.70			
100	1/2 BPSK	1	137	17.87	17.93	17.76	19.0	0.0	
100	1/2 BPSK	1	271	17.86	17.88	17.72			
100	1/2 BPSK	135	0	17.84	17.96	17.76	19.0	0.0	
100	1/2 BPSK	135	69	17.79	17.90	17.78	19.0	0.0	
100	1/2 BPSK	135	138	17.87	17.92	17.76	19.0	0.0	
100	1/2 BPSK	270	0	17.88	17.87	17.75			
100	QPSK	1	1	17.92	18.02	17.84			
100	QPSK	1	137	17.80	17.96	17.73	19.0	0.0	
100	QPSK	1	271	17.82	17.92	17.79			
100	QPSK	135	0	17.79	17.91	17.70	19.0	0.0	
100	QPSK	135	69	17.84	17.93	17.81	19.0	0.0	
100	QPSK	135	138	17.81	17.92	17.80	19.0	0.0	
100	QPSK	270	0	17.81	17.86	17.78			
100	16QAM	1	1	17.81	17.90	17.76	19.0	0.0	
100	64QAM	1	1	17.78	17.88	17.76	19.0	0.0	
100	256QAM	1	1	17.81	17.92	17.74	19.0	0.0	
Channel				649668	656000	662334	Tune-up	MPR	
Frequency (MHz)				3745.02	3840	3935.01	limit	(dB)	
90	QPSK	1	1	17.85	17.95	17.79	19.0	0.0	
Channel				649334	656000	662668	Tune-up	MPR	
Frequency (MHz)				3740.01	3840	3940.02	limit	(dB)	
80	QPSK	1	1	17.89	17.95	17.78	19.0	0.0	
Channel				649000	656000	663000	Tune-up	MPR	
Frequency (MHz)				3735	3840	3945	limit	(dB)	
70	QPSK	1	1	17.89	17.94	17.81	19.0	0.0	
Channel				648668	656000	663334	Tune-up	MPR	
Frequency (MHz)				3730.02	3840	3950.01	limit	(dB)	
60	QPSK	1	1	17.84	17.95	17.79	19.0	0.0	
Channel				648334	656000	663668	Tune-up	MPR	
Frequency (MHz)				3725.01	3840	3955.02	limit	(dB)	
50	QPSK	1	1	17.87	17.99	17.85	19.0	0.0	
Channel				648000	656000	664000	Tune-up	MPR	
Frequency (MHz)				3720	3840	3960	limit	(dB)	
40	QPSK	1	1	17.87	17.93	17.76	19.0	0.0	
Channel				647668	656000	664334	Tune-up	MPR	
Frequency (MHz)				3715.02	3840	3965.01	limit	(dB)	
30	QPSK	1	1	17.88	17.85	17.77	19.0	0.0	
Channel				647300	656000	664500	Tune-up	MPR	
Frequency (MHz)				3712.5	3840	3967.5	limit	(dB)	
25	QPSK	1	1	17.85	17.94	17.81	19.0	0.0	
Channel				647334	656000	664668	Tune-up	MPR	
Frequency (MHz)				3710.01	3840	3970.02	limit	(dB)	
20	QPSK	1	1	17.85	17.99	17.78	19.0	0.0	
Channel				647168	656000	664834	Tune-up	MPR	
Frequency (MHz)				3707.52	3840	3972.51	limit	(dB)	
15	QPSK	1	1	17.87	17.94	17.79	19.0	0.0	
Channel				647000	656000	665000	Tune-up	MPR	
Frequency (MHz)				3705	3840	3975	limit	(dB)	
10	QPSK	1	1	17.87	17.97	17.77	19.0	0.0	



Part27Q n77 Ant8 Main_PA DSI 6

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)					3500.01					
100	1/2 BPSK	1	1	14.43	14.43					
100	1/2 BPSK	1	137	14.42	14.42		16.0	0.0		
100	1/2 BPSK	1	271	14.45	14.45					
100	1/2 BPSK	135	0	14.44	14.44		16.0	0.0		
100	1/2 BPSK	135	69	14.44	14.44		16.0	0.0		
100	1/2 BPSK	135	138	14.48	14.48		16.0	0.0		
100	1/2 BPSK	270	0	14.45	14.45					
100	QPSK	1	1	14.55	14.55					
100	QPSK	1	137	14.41	14.41		16.0	0.0		
100	QPSK	1	271	14.49	14.49					
100	QPSK	135	0	14.42	14.42		16.0	0.0		
100	QPSK	135	69	14.51	14.51		16.0	0.0		
100	QPSK	135	138	14.50	14.50		16.0	0.0		
100	QPSK	270	0	14.43	14.43					
100	16QAM	1	1	14.43	14.43		16.0	0.0		
100	64QAM	1	1	14.42	14.42		16.0	0.0		
100	256QAM	1	1	14.49	14.49		16.0	0.0		
Channel										
Channel				633000	633334	633668	Tune-up	MPR		
Frequency (MHz)					3495			3500.01	3505.02	limit (dB)
90	QPSK	1	1	14.46	14.47	14.42	16.0	0.0		
Channel										
Channel				632688	633334	634000	Tune-up	MPR		
Frequency (MHz)					3490.02			3500.01	3510	limit (dB)
80	QPSK	1	1	14.45	14.49	14.39	16.0	0.0		
Channel										
Channel				632334	633334	634334	Tune-up	MPR		
Frequency (MHz)					3485.01			3500.01	3515.01	limit (dB)
70	QPSK	1	1	14.43	14.52	14.33	16.0	0.0		
Channel										
Channel				632000	633334	634688	Tune-up	MPR		
Frequency (MHz)					3480			3500.01	3520.02	limit (dB)
60	QPSK	1	1	14.47	14.49	14.38	16.0	0.0		
Channel										
Channel				631668	633334	635000	Tune-up	MPR		
Frequency (MHz)					3475.02			3500.01	3525	limit (dB)
50	QPSK	1	1	14.43	14.49	14.42	16.0	0.0		
Channel										
Channel				631334	633334	635334	Tune-up	MPR		
Frequency (MHz)					3470.01			3500.01	3530.01	limit (dB)
40	QPSK	1	1	14.44	14.51	14.41	16.0	0.0		
Channel										
Channel				631000	633334	635668	Tune-up	MPR		
Frequency (MHz)					3465			3500.01	3535.02	limit (dB)
30	QPSK	1	1	14.46	14.47	14.41	16.0	0.0		
Channel										
Channel				630688	633334	636000	Tune-up	MPR		
Frequency (MHz)					3462.51			3500.01	3537.51	limit (dB)
25	QPSK	1	1	14.46	14.47	14.42	16.0	0.0		
Channel										
Channel				630668	633334	636000	Tune-up	MPR		
Frequency (MHz)					3460.02			3500.01	3540	limit (dB)
20	QPSK	1	1	14.42	14.52	14.38	16.0	0.0		
Channel										
Channel				630500	633334	636168	Tune-up	MPR		
Frequency (MHz)					3457.5			3500.01	3542.52	limit (dB)
15	QPSK	1	1	14.48	14.50	14.41	16.0	0.0		
Channel										
Channel				630334	633334	636334	Tune-up	MPR		
Frequency (MHz)					3455.01			3500.01	3545.01	limit (dB)
10	QPSK	1	1	14.46	14.47	14.42	16.0	0.0		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)					3500.01					
100	1/2 BPSK	1	1	17.49	17.51					
100	1/2 BPSK	1	137	17.51	17.51		19.0	0.0		
100	1/2 BPSK	1	271	17.56	17.56					
100	1/2 BPSK	135	0	17.51	17.51		19.0	0.0		
100	1/2 BPSK	135	69	17.50	17.50		19.0	0.0		
100	1/2 BPSK	135	138	17.54	17.54		19.0	0.0		
100	1/2 BPSK	270	0	17.49	17.49					
100	QPSK	1	1	17.49	17.49					
100	QPSK	1	137	17.48	17.48		19.0	0.0		
100	QPSK	1	271	17.56	17.56					
100	QPSK	135	0	17.50	17.50		19.0	0.0		
100	QPSK	135	69	17.55	17.55		19.0	0.0		
100	QPSK	135	138	17.51	17.51		19.0	0.0		
100	QPSK	270	0	17.49	17.49					
100	16QAM	1	1	17.50	17.50		19.0	0.0		
100	64QAM	1	1	17.50	17.50		19.0	0.0		
100	256QAM	1	1	17.52	17.52		19.0	0.0		
Channel										
Channel				633000	633334	633668	Tune-up	MPR		
Frequency (MHz)					3495			3500.01	3505.02	limit (dB)
90	QPSK	1	1	17.50	17.53	17.45	19.0	0.0		
Channel										
Channel				632688	633334	634000	Tune-up	MPR		
Frequency (MHz)					3490.02			3500.01	3510	limit (dB)
80	QPSK	1	1	17.51	17.58	17.46	19.0	0.0		
Channel										
Channel				632334	633334	634334	Tune-up	MPR		
Frequency (MHz)					3485.01			3500.01	3515.01	limit (dB)
70	QPSK	1	1	17.46	17.54	17.44	19.0	0.0		
Channel										
Channel				632000	633334	634688	Tune-up	MPR		
Frequency (MHz)					3480			3500.01	3520.02	limit (dB)
60	QPSK	1	1	17.47	17.52	17.49	19.0	0.0		
Channel										
Channel				631668	633334	635000	Tune-up	MPR		
Frequency (MHz)					3475.02			3500.01	3525	limit (dB)
50	QPSK	1	1	17.51	17.55	17.49	19.0	0.0		
Channel										
Channel				631334	633334	635334	Tune-up	MPR		
Frequency (MHz)					3470.01			3500.01	3530.01	limit (dB)
40	QPSK	1	1	17.51	17.56	17.50	19.0	0.0		
Channel										
Channel				631000	633334	635668	Tune-up	MPR		
Frequency (MHz)					3465			3500.01	3535.02	limit (dB)
30	QPSK	1	1	17.46	17.53	17.45	19.0	0.0		
Channel										
Channel				630688	633334	636000	Tune-up	MPR		
Frequency (MHz)					3462.51			3500.01	3537.51	limit (dB)
25	QPSK	1	1	17.46	17.56	17.50	19.0	0.0		
Channel										
Channel				630668	633334	636000	Tune-up	MPR		
Frequency (MHz)					3460.02			3500.01	3540	limit (dB)
20	QPSK	1	1	17.46	17.52	17.47	19.0	0.0		
Channel										
Channel				630500	633334	636168	Tune-up	MPR		
Frequency (MHz)					3457.5			3500.01	3542.52	limit (dB)
15	QPSK	1	1	17.46	17.58	17.48	19.0	0.0		
Channel										
Channel				630334	633334	636334	Tune-up	MPR		
Frequency (MHz)					3455.01			3500.01	3545.01	limit (dB)
10	QPSK	1	1	17.50	17.54	17.49	19.0	0.0		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)					3750					
100	1/2 BPSK	1	1	14.90	14.90					
100	1/2 BPSK	1	137	14.89	14.89		16.0	0.0		
100	1/2 BPSK	1	271	14.90	14.90					
100	1/2 BPSK	135	0	14.92	14.92		16.0	0.0		
100	1/2 BPSK	135	69	14.96	14.96		16.0	0.0		
100	1/2 BPSK	135	138	14.94	14.94		16.0	0.0		
100	1/2 BPSK	270	0	14.93	14.93					
100	QPSK	1	1	15.02	15.02					
100	QPSK	1	137	14.89	14.89		16.0	0.0		
100	QPSK	1	271	14.95	14.95					
100	QPSK	135	0	14.91	14.91		16.0	0.0		
100	QPSK	135	69	14.95	14.95		16.0	0.0		
100	QPSK	135	138	14.85	14.85		16.0	0.0		
100	QPSK	270	0	14.89	14.89					
100	16QAM	1	1	14.88	14.88		16.0	0.0		
100	64QAM	1	1	14.94	14.94		16.0	0.0		
100	256QAM	1	1	14.95	14.95		16.0	0.0		
Channel										
Channel				649668	650000	650334	Tune-up	MPR		
Frequency (MHz)					3745.02			3750	3755.01	limit (dB)
90	QPSK	1	1	14.82	14.95	14.76	16.0	0.0		
Channel										
Channel				648334	650000	650668	Tune-up	MPR		
Frequency (MHz)					3740.01			3750	3760.02	limit (dB)
80	QPSK	1	1	14.85	14.97	14.77	16.0	0.0		
Channel										
Channel				649000	650000	651000	Tune-up	MPR		
Frequency (MHz)					3735			3750	3765	limit (dB)
70	QPSK	1	1	14.85	14.97	14.80	16.0	0.0		
Channel										
Channel				648668	650000	651334	Tune-up	MPR		
Frequency (MHz)					3730.02			3750	3770.01	limit (dB)
60	QPSK	1	1	14.84	14.99	14.75	16.0	0.0		
Channel										
Channel				648334	650000	651668	Tune-up	MPR		
Frequency (MHz)					3725.01			3750	3775.02	limit (dB)
50	QPSK	1	1	14.80	14.98	14.77	16.0	0.0		
Channel										
Channel				648000	650000	652000	Tune-up	MPR		
Frequency (MHz)					3720			3750	3780	limit (dB)
40	QPSK	1	1	14.85	14.95	14.79	16.0	0.0		
Channel										
Channel				647668	650000	652334	Tune-up	MPR		
Frequency (MHz)					3715.02			3750	3785.01	limit (dB)
30	QPSK	1	1	14.85	14.97	14.74	16.0	0.0		
Channel										
Channel				647334	650000	652668	Tune-up	MPR		
Frequency (MHz)					3712.5			3750	3787.5	limit (dB)
25	QPSK	1	1	14.81	14.93	14.75	16.0	0.0		
Channel										
Channel				647000	650000	653000	Tune-up	MPR		
Frequency (MHz)					3710.01			3750	3790.02	limit (dB)
20	QPSK	1	1	14.84	14.96	14.75	16.0	0.0		
Channel										
Channel				647000	650000	653000	Tune-up	MPR		
Frequency (MHz)					3707.52			3750	3792.51	limit (dB)
15	QPSK	1	1	14.80	14.98	14.74	16.0	0.0		
Channel										
Channel				647000	650000	653000	Tune-up	MPR		
Frequency (MHz)					3705			3750	3795	limit (dB)
10	QPSK	1	1	14.58	14.89	14.81	16.0	0.0		



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PC2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
3750								
100	1/2 BPSK	1	1		18.19			
100	1/2 BPSK	1	137		18.19			
100	1/2 BPSK	1	271		18.16		19.0	0.0
100	1/2 BPSK	135	0		18.11		19.0	0.0
100	1/2 BPSK	135	69		18.20		19.0	0.0
100	1/2 BPSK	135	138		18.20		19.0	0.0
100	1/2 BPSK	270	0		18.12			
100	QPSK	1	1		18.24			
100	QPSK	1	137		18.11		19.0	0.0
100	QPSK	1	271		18.15			
100	QPSK	135	0		18.15		19.0	0.0
100	QPSK	135	69		18.18		19.0	0.0
100	QPSK	135	138		18.15		19.0	0.0
100	QPSK	270	0		18.16			
100	16QAM	1	1		18.13		19.0	0.0
100	64QAM	1	1		18.18		19.0	0.0
100	256QAM	1	1		18.16		19.0	0.0
Channel								
Frequency (MHz)								
649668 650000 650334								
90	QPSK	1	1	3745.02	3750	3755.01	limit	(dB)
Channel								
Frequency (MHz)								
648334 650000 650668								
80	QPSK	1	1	3740.01	3750	3760.02	limit	(dB)
Channel								
Frequency (MHz)								
649000 650000 651000								
70	QPSK	1	1	3735	3750	3765	limit	(dB)
Channel								
Frequency (MHz)								
648668 650000 651334								
60	QPSK	1	1	3730.02	3750	3770.01	limit	(dB)
Channel								
Frequency (MHz)								
648334 650000 651668								
50	QPSK	1	1	3725.01	3750	3775.02	limit	(dB)
Channel								
Frequency (MHz)								
648000 650000 652000								
40	QPSK	1	1	3720	3750	3780	limit	(dB)
Channel								
Frequency (MHz)								
647668 650000 652334								
30	QPSK	1	1	3715.02	3750	3785.01	limit	(dB)
Channel								
Frequency (MHz)								
647334 650000 652668								
25	QPSK	1	1	3710.01	3750	3790.02	limit	(dB)
Channel								
Frequency (MHz)								
647000 650000 653000								
20	QPSK	1	1	3707.52	3750	3792.51	limit	(dB)
Channel								
Frequency (MHz)								
646700 650000 653334								
15	QPSK	1	1	3705	3750	3795	limit	(dB)
Channel								
Frequency (MHz)								
646400 650000 653600								
10	QPSK	1	1	3703	3750	3793	limit	(dB)
Channel								
Frequency (MHz)								
646100 650000 653900								

Part27Q n78 Ant8 Main_PA DSI 6

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)								
3500.01								
100	1/2 BPSK	1	1		14.31			
100	1/2 BPSK	1	137		14.31		16.0	0.0
100	1/2 BPSK	1	271		14.37			
100	1/2 BPSK	135	0		14.40		16.0	0.0
100	1/2 BPSK	135	69		14.38		16.0	0.0
100	1/2 BPSK	135	138		14.32		16.0	0.0
100	1/2 BPSK	270	0		14.36			
100	QPSK	1	1		14.44			
100	QPSK	1	137		14.37		16.0	0.0
100	QPSK	1	271		14.36			
100	QPSK	135	0		14.36		16.0	0.0
100	QPSK	135	69		14.39		16.0	0.0
100	QPSK	135	138		14.31		16.0	0.0
100	QPSK	270	0		14.35			
100	16QAM	1	1		14.40		16.0	0.0
100	64QAM	1	1		14.33		16.0	0.0
100	256QAM	1	1		14.34		16.0	0.0
Channel								
Frequency (MHz)								
633000 633334 633668								
90	QPSK	1	1	3495	3500.01	3505.02	limit	(dB)
Channel								
Frequency (MHz)								
632668 633334 634000								
80	QPSK	1	1	3490.02	3500.01	3510	limit	(dB)
Channel								
Frequency (MHz)								
632334 633334 634334								
70	QPSK	1	1	3485.01	3500.01	3515.01	limit	(dB)
Channel								
Frequency (MHz)								
632000 633334 634668								
60	QPSK	1	1	3480	3500.01	3520.02	limit	(dB)
Channel								
Frequency (MHz)								
631668 633334 635000								
50	QPSK	1	1	3475.02	3500.01	3525	limit	(dB)
Channel								
Frequency (MHz)								
631334 633334 635334								
40	QPSK	1	1	3470.01	3500.01	3530.01	limit	(dB)
Channel								
Frequency (MHz)								
631000 633334 635668								
30	QPSK	1	1	3465	3500.01	3535.02	limit	(dB)
Channel								
Frequency (MHz)								
630668 633334 636000								
25	QPSK	1	1	3460.02	3500.01	3540	limit	(dB)
Channel								
Frequency (MHz)								
630334 633334 636334								
20	QPSK	1	1	3455.01	3500.01	3545.01	limit	(dB)
Channel								
Frequency (MHz)								
630000 633334 636668								
15	QPSK	1	1	3450.01	3500.01	3550.01	limit	(dB)
Channel								
Frequency (MHz)								
629668 633334 637000								
10	QPSK	1	1	3445.01	3500.01	3555.01	limit	(dB)

Part27Q n78 Ant8 Main_PA DSI 6 PC2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
3500.01								
100	1/2 BPSK	1	1		17.51			
100	1/2 BPSK	1	137		17.46		19.0	0.0
100	1/2 BPSK	1	271		17.46			
100	1/2 BPSK	135	0		17.55		19.0	0.0
100	1/2 BPSK	135	69		17.49		19.0	0.0
100	1/2 BPSK	135	138		17.51		19.0	0.0
100	1/2 BPSK	270	0		17.51			
100	QPSK	1	1		17.59			
100	QPSK	1	137		17.47		19.0	0.0
100	QPSK	1	271		17.50			
100	QPSK	135	0		17.51		19.0	0.0
100	QPSK	135	69		17.52		19.0	0.0
100	QPSK	135	138		17.45		19.0	0.0
100	QPSK	270	0		17.46			
100	16QAM	1	1		17.55		19.0	0.0
100	64QAM	1	1		17.48		19.0	0.0
100	256QAM	1	1		17.53		19.0	0.0
Channel								
Frequency (MHz)								
633000 633334 633668								
90	QPSK	1	1	3495	3500.01	3505.02	limit	(dB)
Channel								
Frequency (MHz)								
632668 633334 634000								
80	QPSK	1	1	3490.02	3500.01	3510	limit	(dB)
Channel								
Frequency (MHz)								
632334 633334 634334								
70	QPSK	1	1	3485.01	3500.01	3515.01	limit	(dB)
Channel								
Frequency (MHz)								
632000 633334 634668								
60	QPSK	1	1	3480	3500.01	3520.02	limit	(dB)
Channel								
Frequency (MHz)								
631668 633334 635000								
50	QPSK	1	1	3475.02	3500.01	3525	limit	(dB)
Channel								
Frequency (MHz)								
631334 633334 635334								
40	QPSK	1	1	3470.01	3500.01	3530.01	limit	(dB)
Channel								
Frequency (MHz)								
631000 633334 635668								
30	QPSK	1	1	3465	3500.01	3535.02	limit	(dB)
Channel								
Frequency (MHz)								
630668 633334 636000								
25	QPSK	1	1	3460.02	3500.01	3540	limit	(dB)
Channel								
Frequency (MHz)								
630334 633334 636334								
20	QPSK	1	1	3455.01	3500.01	3545.01	limit	(dB)
Channel								
Frequency (MHz)								
630000 633334 636668								
15	QPSK	1	1	3450.01	3500.01	3550.01	limit	(dB)
Channel								
Frequency (MHz)								
629668 633334 637000								
10	QPSK	1	1	3445.01	3500.01	3555.01	limit	(dB)



Reduced Power Mode for NSA DSI 7

n7 Ant0 Main_PA DSI 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	1/2 BPSK	1	1	21.29	21.40	21.22	22.0	0.0	
40	1/2 BPSK	1	108	21.31	21.40	21.27			
40	1/2 BPSK	1	214	21.38	21.38	21.24			
40	1/2 BPSK	108	0	21.30	21.42	21.21	22.0	0.0	
40	1/2 BPSK	108	54	21.28	21.44	21.23	22.0	0.0	
40	1/2 BPSK	108	108	21.30	21.34	21.23	22.0	0.0	
40	1/2 BPSK	216	0	21.35	21.36	21.25			
40	QPSK	1	1	21.39	21.45	21.32			
40	QPSK	1	108	21.29	21.41	21.23	22.0	0.0	
40	QPSK	1	214	21.30	21.42	21.27			
40	QPSK	108	0	21.32	21.40	21.22	22.0	0.0	
40	QPSK	108	54	21.35	21.41	21.27	22.0	0.0	
40	QPSK	108	108	21.30	21.39	21.29	22.0	0.0	
40	QPSK	216	0	21.29	21.33	21.21			
40	16QAM	1	1	21.31	21.43	21.22	22.0	0.0	
40	16QAM	1	1	21.35	21.38	21.27	22.0	0.0	
40	16QAM	1	1	19.34	19.37	19.31	20.0	2.0	
Channel				503500	507000	510500	Tune-up	MPR	
Frequency (MHz)				25175	2535	2552.5	limit	(dB)	
35	QPSK	1	1	21.33	21.40	21.29	22.0	0.0	
Channel				503000	507000	511000	Tune-up	MPR	
Frequency (MHz)				2515	2535	2555	limit	(dB)	
30	QPSK	1	1	21.34	21.31	21.25	22.0	0.0	
Channel				502500	507000	511500	Tune-up	MPR	
Frequency (MHz)				2512.5	2535	2557.5	limit	(dB)	
25	QPSK	1	1	21.33	21.35	21.23	22.0	0.0	
Channel				502000	507000	512000	Tune-up	MPR	
Frequency (MHz)				2510	2535	2550	limit	(dB)	
20	1/2 BPSK	1	1	21.36	21.40	21.29	22.0	0.0	
Channel				501500	507000	512500	Tune-up	MPR	
Frequency (MHz)				2507.5	2535	2562.5	limit	(dB)	
15	QPSK	1	1	21.35	21.39	21.29	22.0	0.0	
Channel				501000	507000	513000	Tune-up	MPR	
Frequency (MHz)				2505	2535	2565	limit	(dB)	
10	QPSK	1	1	21.38	21.39	21.28	22.0	0.0	
Channel				500500	507000	513500	Tune-up	MPR	
Frequency (MHz)				2502.5	2535	2567.5	limit	(dB)	
5	QPSK	1	1	21.34	21.40	21.26	22.0	0.0	

n66 Ant0 Other PA DSI 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	1/2 BPSK	1	1	21.25	21.31	21.26			
40	1/2 BPSK	1	108	21.17	21.25	21.33	21.7	0.0	
40	1/2 BPSK	1	214	21.14	21.27	21.29			
40	1/2 BPSK	108	0	21.24	21.21	21.21	21.7	0.0	
40	1/2 BPSK	108	54	21.27	21.22	21.33	21.7	0.0	
40	1/2 BPSK	108	108	21.29	21.23	21.28	21.7	0.0	
40	1/2 BPSK	216	0	21.22	21.26	21.27			
40	QPSK	1	1	21.17	21.38	21.23			
40	QPSK	1	108	21.24	21.31	21.19	21.7	0.0	
40	QPSK	1	214	21.22	21.24	21.29			
40	QPSK	108	0	21.28	21.34	21.23	21.7	0.0	
40	QPSK	108	54	21.20	21.37	21.32	21.7	0.0	
40	QPSK	108	108	21.22	21.28	21.34	21.7	0.0	
40	QPSK	216	0	21.29	21.35	21.33			
40	16QAM	1	1	21.26	21.24	21.24	21.7	0.0	
40	16QAM	1	1	21.14	21.20	21.30	21.7	0.0	
40	16QAM	1	1	21.01	21.09	20.98	21.2	0.5	
Channel				345500	349000	352500	Tune-up	MPR	
Frequency (MHz)				1727.5	1745	1762.5	limit	(dB)	
35	QPSK	1	1	21.09	21.32	21.20	21.7	0.0	
Channel				345000	349000	353000	Tune-up	MPR	
Frequency (MHz)				1725	1745	1765	limit	(dB)	
30	QPSK	1	1	21.14	21.33	21.19	21.7	0.0	
Channel				344500	349000	353500	Tune-up	MPR	
Frequency (MHz)				1722.5	1745	1767.5	limit	(dB)	
25	QPSK	1	1	21.11	21.31	21.18	21.7	0.0	
Channel				344000	349000	354000	Tune-up	MPR	
Frequency (MHz)				1720	1745	1770	limit	(dB)	
20	QPSK	1	1	21.12	21.31	21.15	21.7	0.0	
Channel				343500	349000	354500	Tune-up	MPR	
Frequency (MHz)				1717.5	1745	1772.5	limit	(dB)	
15	QPSK	1	1	21.08	21.33	21.16	21.7	0.0	
Channel				343000	349000	355000	Tune-up	MPR	
Frequency (MHz)				1715	1745	1775	limit	(dB)	
10	QPSK	1	1	21.10	21.35	21.19	21.7	0.0	
Channel				342500	349000	355500	Tune-up	MPR	
Frequency (MHz)				1712.5	1745	1777.5	limit	(dB)	
5	QPSK	1	1	21.09	21.31	21.20	21.7	0.0	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996	23.0	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	22.78	22.81	22.73	23.0	0.0
40	PI/2 BPSK	1	53	22.73	22.80	22.72		
40	PI/2 BPSK	1	104	22.76	22.86	22.70	23.0	0.0
40	PI/2 BPSK	50	0	22.72	22.83	22.70		
40	PI/2 BPSK	50	28	22.74	22.87	22.76	23.0	0.0
40	PI/2 BPSK	50	56	22.72	22.79	22.74		
40	PI/2 BPSK	100	0	22.72	22.83	22.68	23.0	0.0
40	QPSK	1	1	22.81	22.89	22.78		
40	QPSK	1	53	22.79	22.82	22.72	23.0	0.0
40	QPSK	1	104	22.72	22.84	22.76		
40	QPSK	50	0	22.78	22.81	22.74	23.0	0.0
40	QPSK	50	28	22.74	22.83	22.74		
40	QPSK	50	56	22.74	22.82	22.71	23.0	0.0
40	QPSK	100	0	22.69	22.75	22.71		
40	16QAM	1	1	22.77	22.78	22.67	23.0	0.0
40	64QAM	1	1	21.21	21.26	21.17	21.5	1.5
40	256QAM	1	1	19.15	19.22	19.15	19.5	3.5
Channel				517002	519000	520998	Tune-up limit	MPR
Frequency (MHz)				2585.01	2595	2604.99	(dB)	(dB)
30	QPSK	1	1	22.76	22.84	22.72	23.0	0.0
Channel				516504	519000	521496	Tune-up limit	MPR
Frequency (MHz)				2582.52	2595	2607.48	(dB)	(dB)
25	QPSK	1	1	22.74	22.82	22.74	23.0	0.0
Channel				516000	519000	522000	Tune-up limit	MPR
Frequency (MHz)				2580	2595	2610	(dB)	(dB)
20	QPSK	1	1	22.77	22.85	22.75	23.0	0.0
Channel				515502	519000	522498	Tune-up limit	MPR
Frequency (MHz)				2577.51	2595	2612.49	(dB)	(dB)
15	QPSK	1	1	22.74	22.86	22.71	23.0	0.0
Channel				515004	519000	522996	Tune-up limit	MPR
Frequency (MHz)				2575.02	2595	2614.98	(dB)	(dB)
10	QPSK	1	1	22.71	22.80	22.71	23.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	22.5	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	22.01	22.08	22.01	22.5	0.0
100	PI/2 BPSK	1	137	22.02	22.05	21.97		
100	PI/2 BPSK	1	271	22.01	22.10	21.99	22.5	0.0
100	PI/2 BPSK	135	0	21.96	22.01	21.96		
100	PI/2 BPSK	135	69	22.04	22.00	22.03	22.5	0.0
100	PI/2 BPSK	135	138	21.96	22.06	21.95		
100	PI/2 BPSK	270	0	21.97	22.10	21.99	22.5	0.0
100	QPSK	1	1	22.06	22.11	22.05		
100	QPSK	1	137	21.97	22.10	21.97	22.5	0.0
100	QPSK	1	271	21.98	22.00	21.96		
100	QPSK	135	0	22.02	22.05	21.96	22.5	0.0
100	QPSK	135	69	22.01	22.06	21.95		
100	QPSK	135	138	21.99	22.02	22.00	22.5	0.0
100	QPSK	270	0	21.89	21.91	21.78		
100	16QAM	1	1	21.99	22.05	21.97	22.5	0.0
100	64QAM	1	1	21.96	22.08	21.99	22.5	0.0
100	256QAM	1	1	21.67	21.71	21.69	22.0	0.5
Channel				508200	518598	528996	Tune-up limit	MPR
Frequency (MHz)				2541	2592.99	2644.98	(dB)	(dB)
90	QPSK	1	1	22.01	22.04	22.00	22.5	0.0
Channel				507204	518598	529998	Tune-up limit	MPR
Frequency (MHz)				2536.02	2592.99	2649.99	(dB)	(dB)
80	QPSK	1	1	22.02	22.06	21.95	22.5	0.0
Channel				506202	518598	531000	Tune-up limit	MPR
Frequency (MHz)				2531.01	2592.99	2655	(dB)	(dB)
70	QPSK	1	1	22.04	22.05	21.94	22.5	0.0
Channel				505200	518598	531996	Tune-up limit	MPR
Frequency (MHz)				2526	42.71	2659.98	(dB)	(dB)
60	QPSK	1	1	21.95	22.00	21.98	22.5	0.0
Channel				504204	518598	532998	Tune-up limit	MPR
Frequency (MHz)				2521.02	2592.99	2664.99	(dB)	(dB)
50	QPSK	1	1	21.98	22.03	22.03	22.5	0.0
Channel				503202	518598	534000	Tune-up limit	MPR
Frequency (MHz)				2516.01	2592.99	2670	(dB)	(dB)
40	QPSK	1	1	21.97	22.07	21.97	22.5	0.0
Channel				502200	518598	534996	Tune-up limit	MPR
Frequency (MHz)				2511	2592.99	2674.98	(dB)	(dB)
30	QPSK	1	1	21.99	22.07	22.02	22.5	0.0
Channel				502200	518598	534996	Tune-up limit	MPR
Frequency (MHz)				2511	2592.99	2674.98	(dB)	(dB)
25	QPSK	1	1	22.01	22.07	22.00	22.5	0.0
Channel				501204	518598	535998	Tune-up limit	MPR
Frequency (MHz)				2506.02	2592.99	2679.99	(dB)	(dB)
20	QPSK	1	1	21.95	22.03	22.04	22.5	0.0
Channel				500700	518598	536496	Tune-up limit	MPR
Frequency (MHz)				2503.5	2592.99	2682.48	(dB)	(dB)
15	QPSK	1	1	21.96	22.01	22.03	22.5	0.0
Channel				500202	518598	537000	Tune-up limit	MPR
Frequency (MHz)				2501.01	2592.99	2685	(dB)	(dB)
10	QPSK	1	1	21.96	22.06	21.96	22.5	0.0



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BW [MHz]	Modulat ion	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. F.Freq. 504000	Middle Ch. F.Freq. 507000	High Ch. F.Freq. 510000			
Channel									
Frequency (MHz)				2520	2535	2550			
40	1/2 BPSK	1	1	21.74	21.74	21.76	22.5	0.0	
40	1/2 BPSK	1	108	21.75	21.70	21.76			
40	1/2 BPSK	1	214	21.76	21.74	21.74			
40	1/2 BPSK	108	0	21.72	21.73	21.71	22.5	0.0	
40	1/2 BPSK	108	54	21.77	21.71	21.74	22.5	0.0	
40	1/2 BPSK	108	108	21.70	21.70	21.77	22.5	0.0	
40	1/2 BPSK	216	0	21.77	21.71	21.73	22.5	0.0	
40	QPSK	1	1	21.71	21.73	21.75			
40	QPSK	1	108	21.75	21.70	21.70	22.5	0.0	
40	QPSK	1	214	21.69	21.75	21.68			
40	QPSK	108	0	21.68	21.71	21.70	22.5	0.0	
40	QPSK	108	54	21.65	21.72	21.69	22.5	0.0	
40	QPSK	108	108	21.71	21.67	21.71	22.5	0.0	
40	QPSK	216	0	21.61	21.68	21.65			
40	16QAM	1	1	21.75	21.75	21.72	22.5	0.0	
40	16QAM	1	1	21.15	21.21	21.15	22.0	0.5	
40	256QAM	1	1	19.12	19.22	19.12	21.0	2.5	
Channel									
Frequency (MHz)				503500	507000	510500	Tune-up	MPR	
35	QPSK	1	1	21.69	21.73	21.73	22.5	0.0	
Channel									
Frequency (MHz)				503000	507000	511000	Tune-up	MPR	
30	QPSK	1	1	21.61	21.67	21.65	22.5	0.0	
Channel									
Frequency (MHz)				502500	507000	511500	Tune-up	MPR	
25	QPSK	1	1	21.77	21.69	21.73	22.5	0.0	
Channel									
Frequency (MHz)				502000	507000	512000	Tune-up	MPR	
20	1/2 BPSK	1	1	21.69	21.69	21.72	22.5	0.0	
Channel									
Frequency (MHz)				501500	507000	512500	Tune-up	MPR	
15	QPSK	1	1	21.75	21.68	21.72	22.5	0.0	
Channel									
Frequency (MHz)				501000	507000	513000	Tune-up	MPR	
10	QPSK	1	1	21.76	21.77	21.77	22.5	0.0	
Channel									
Frequency (MHz)				500500	507000	513500	Tune-up	MPR	
5	QPSK	1	1	21.69	21.68	21.70	22.5	0.0	

n66 Ant1 Other PA DSI 7									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. F.Freq. 346000	Middle Ch. F.Freq. 349000	High Ch. F.Freq. 352000			
Channel									
Frequency (MHz)				1730	1745	1760			
40	1/2 BPSK	1	1	22.21	22.18	22.21			
40	1/2 BPSK	1	108	22.21	22.25	22.22	22.7	0.0	
40	1/2 BPSK	1	214	22.20	22.15	22.18			
40	1/2 BPSK	108	0	22.16	22.22	22.16	22.7	0.0	
40	1/2 BPSK	108	54	22.16	22.17	22.20	22.7	0.0	
40	1/2 BPSK	108	108	22.16	22.21	22.21	22.7	0.0	
40	1/2 BPSK	216	0	22.20	22.18	22.18			
40	QPSK	1	1	22.21	22.26	22.19			
40	QPSK	1	108	22.20	22.24	22.22	22.7	0.0	
40	QPSK	1	214	22.22	22.21	22.17			
40	QPSK	108	0	22.11	22.11	22.11	22.7	0.0	
40	QPSK	108	54	22.15	22.16	22.13	22.7	0.0	
40	QPSK	108	108	22.15	22.12	22.11	22.7	0.0	
40	QPSK	216	0	22.01	22.11	22.05			
40	16QAM	1	1	22.16	22.21	22.17	22.7	0.0	
40	16QAM	1	1	22.23	22.20	22.17	22.7	0.0	
40	256QAM	1	1	21.09	21.13	21.09	21.2	1.5	
Channel									
Frequency (MHz)				345000	349000	352000	Tune-up	MPR	
35	QPSK	1	1	22.16	22.19	22.22	22.7	0.0	
Channel									
Frequency (MHz)				345000	349000	353000	Tune-up	MPR	
30	QPSK	1	1	22.21	22.21	22.16	22.7	0.0	
Channel									
Frequency (MHz)				344500	349000	353500	Tune-up	MPR	
25	QPSK	1	1	22.25	22.15	22.21	22.7	0.0	
Channel									
Frequency (MHz)				344000	349000	354000	Tune-up	MPR	
20	QPSK	1	1	22.20	22.15	22.21	22.7	0.0	
Channel									
Frequency (MHz)				343500	349000	354500	Tune-up	MPR	
15	QPSK	1	1	22.19	22.18	22.17	22.7	0.0	
Channel									
Frequency (MHz)				343000	349000	355000	Tune-up	MPR	
10	QPSK	1	1	22.20	22.21	22.20	22.7	0.0	
Channel									
Frequency (MHz)				342500	349000	355500	Tune-up	MPR	
5	QPSK	1	1	22.15	22.20	22.18	22.7	0.0	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				518004	519000	519966		
Frequency (MHz)				2590.02	2595	2599.98		
40	1/2 BPSK	1	1	19.01	19.05	18.96	19.5	0.0
40	1/2 BPSK	1	53	18.99	19.06	19.00	19.5	0.0
40	1/2 BPSK	1	104	19.00	19.09	18.99	19.5	0.0
40	1/2 BPSK	50	0	19.04	19.05	19.03	19.5	0.0
40	1/2 BPSK	50	28	18.97	19.06	18.96	19.5	0.0
40	1/2 BPSK	50	56	19.01	19.07	18.97	19.5	0.0
40	1/2 BPSK	100	0	19.04	19.07	18.94	19.5	0.0
40	QPSK	1	1	19.06	19.12	19.03	19.5	0.0
40	QPSK	1	53	19.04	19.10	18.93	19.5	0.0
40	QPSK	1	104	19.03	19.02	18.92	19.5	0.0
40	QPSK	50	0	19.02	19.01	18.93	19.5	0.0
40	QPSK	50	28	19.01	19.05	18.95	19.5	0.0
40	QPSK	50	56	18.97	19.01	18.97	19.5	0.0
40	QPSK	100	0	19.01	19.02	18.95	19.5	0.0
40	16QAM	1	1	19.00	19.08	19.01	19.5	0.0
40	64QAM	1	1	19.00	19.10	18.94	19.5	0.0
40	256QAM	1	1	18.96	18.99	18.88	19.5	0.0
Channel								
Frequency (MHz)				517002	519000	520998		
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	18.98	19.07	19.01	19.5	0.0
Channel								
Frequency (MHz)				516504	519000	521496		
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	19.03	19.04	18.99	19.5	0.0
Channel								
Frequency (MHz)				516030	519000	522030		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	18.95	19.06	18.98	19.5	0.0
Channel								
Frequency (MHz)				515502	519000	522498		
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	19.03	19.06	18.99	19.5	0.0
Channel								
Frequency (MHz)				515004	519000	522996		
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	18.97	19.08	19.01	19.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	1/2 BPSK	1	1	19.57	19.65	19.61	20.5	0.0
100	1/2 BPSK	1	137	19.57	19.63	19.57	20.5	0.0
100	1/2 BPSK	1	271	19.54	19.67	19.65	20.5	0.0
100	1/2 BPSK	135	0	19.56	19.68	19.64	20.5	0.0
100	1/2 BPSK	135	69	19.59	19.68	19.56	20.5	0.0
100	1/2 BPSK	135	138	19.61	19.66	19.60	20.5	0.0
100	1/2 BPSK	270	0	19.60	19.62	19.62	20.5	0.0
100	QPSK	1	1	19.65	19.72	19.66	20.5	0.0
100	QPSK	1	137	19.57	19.71	19.57	20.5	0.0
100	QPSK	1	271	19.63	19.62	19.61	20.5	0.0
100	QPSK	135	0	19.58	19.61	19.57	20.5	0.0
100	QPSK	135	69	19.60	19.64	19.57	20.5	0.0
100	QPSK	135	138	19.62	19.61	19.56	20.5	0.0
100	QPSK	270	0	19.51	19.54	19.45	20.5	0.0
100	16QAM	1	1	19.62	19.64	19.57	20.5	0.0
100	64QAM	1	1	19.56	19.65	19.57	20.5	0.0
100	256QAM	1	1	18.56	18.62	18.60	19.5	1.0
Channel								
Frequency (MHz)				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	19.63	19.64	19.58	20.5	0.0
Channel								
Frequency (MHz)				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	19.58	19.68	19.64	20.5	0.0
Channel								
Frequency (MHz)				506202	518598	531000		
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	19.56	19.69	19.62	20.5	0.0
Channel								
Frequency (MHz)				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	19.63	19.65	19.63	20.5	0.0
Channel								
Frequency (MHz)				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	19.56	19.64	19.62	20.5	0.0
Channel								
Frequency (MHz)				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	19.55	19.68	19.58	20.5	0.0
Channel								
Frequency (MHz)				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	19.59	19.69	19.62	20.5	0.0
Channel								
Frequency (MHz)				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	19.61	19.62	19.53	20.5	0.0
Channel								
Frequency (MHz)				500700	518598	536496		
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	19.55	19.64	19.57	20.5	0.0
Channel								
Frequency (MHz)				500202	518598	537000		
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	19.58	19.62	19.56	20.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	1/2 BPSK	1	1	17.43	17.47	17.38	18.0	0.0
100	1/2 BPSK	1	137	17.47	17.50	17.32	18.0	0.0
100	1/2 BPSK	1	271	17.40	17.51	17.39	18.0	0.0
100	1/2 BPSK	135	0	17.41	17.47	17.35	18.0	0.0
100	1/2 BPSK	135	69	17.44	17.51	17.38	18.0	0.0
100	1/2 BPSK	135	138	17.45	17.54	17.40	18.0	0.0
100	1/2 BPSK	270	0	17.44	17.49	17.33	18.0	0.0
100	QPSK	1	1	17.49	17.55	17.42	18.0	0.0
100	QPSK	1	137	17.48	17.45	17.39	18.0	0.0
100	QPSK	1	271	17.40	17.47	17.38	18.0	0.0
100	QPSK	135	0	17.39	17.49	17.37	18.0	0.0
100	QPSK	135	69	17.41	17.52	17.38	18.0	0.0
100	QPSK	135	138	17.44	17.45	17.40	18.0	0.0
100	QPSK	270	0	17.42	17.46	17.35	18.0	0.0
100	16QAM	1	1	17.40	17.52	17.40	18.0	0.0
100	64QAM	1	1	17.46	17.51	17.38	18.0	0.0
100	256QAM	1	1	17.39	17.50	17.37	18.0	0.0
Channel								
Frequency (MHz)				648668	656000	662334		
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	17.44	17.52	17.38	18.0	0.0
Channel								
Frequency (MHz)				648334	656000	662668		
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	17.40	17.51	17.35	18.0	0.0
Channel								
Frequency (MHz)				648000	656000	663000		
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	17.40	17.52	17.34	18.0	0.0
Channel								
Frequency (MHz)				648668	656000	663334		
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	17.40	17.48	17.33	18.0	0.0
Channel								
Frequency (MHz)				648334	656000	663668		
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	17.40	17.49	17.35	18.0	0.0
Channel								
Frequency (MHz)				648000	656000	664000		
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	17.44	17.51	17.33	18.0	0.0
Channel								
Frequency (MHz)				647668	656000	664334		
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	17.40	17.51	17.39	18.0	0.0
Channel								
Frequency (MHz)				647300	656000	664600		
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	17.46	17.52	17.33	18.0	0.0
Channel								
Frequency (MHz)				647334	656000	664668		
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	17.44	17.48	17.39	18.0	0.0
Channel								
Frequency (MHz)				647168	656000	664834		
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	17.44	17.52	17.39	18.0	0.0
Channel								
Frequency (MHz)				647000	656000	665000		
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	17.41	17.45	17.34	18.0	0.0



Part27O n77 Ant1 Main_PA DSI 7 PC2

Table with columns: 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). Contains multiple rows of channel data for various modulation schemes like BPSK and QPSK.

Part27Q n77 Ant1 Main_PA DSI 7

Table with columns: 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). Contains multiple rows of channel data for various modulation schemes like BPSK and QPSK.

Part27Q n77 Ant1 Main_PA DSI 7 PC2

Table with columns: 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). Contains multiple rows of channel data for various modulation schemes like BPSK and QPSK.



Part270 n78 Ant1 Main_PA DSI 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	1/2 BPSK	1	1	15.05			16.5	0.0	
100	1/2 BPSK	1	137	15.06					
100	1/2 BPSK	1	271	15.11					
100	1/2 BPSK	135	0	15.07			16.5	0.0	
100	1/2 BPSK	135	69	15.14			16.5	0.0	
100	1/2 BPSK	135	138	15.05			16.5	0.0	
100	1/2 BPSK	270	0	15.13					
100	QPSK	1	1	15.15			16.5	0.0	
100	QPSK	1	137	15.05					
100	QPSK	1	271	15.04					
100	QPSK	135	0	15.08			16.5	0.0	
100	QPSK	135	69	15.12			16.5	0.0	
100	QPSK	135	138	15.05			16.5	0.0	
100	QPSK	270	0	15.07					
100	16QAM	1	1	15.13			16.5	0.0	
100	16QAM	1	1	15.05			16.5	0.0	
100	256QAM	1	1	15.01			16.5	0.0	
Channel				649668	650000	650334	Tune-up	MPR	
Frequency (MHz)				3745.02	3750	3755.01	limit	(dB)	
90	QPSK	1	1	14.99	15.06	15.03	16.5	0.0	
Channel				649334	650000	650668	Tune-up	MPR	
Frequency (MHz)				3740.01	3750	3760.02	limit	(dB)	
80	QPSK	1	1	14.99	15.06	15.04	16.5	0.0	
Channel				649000	650000	651000	Tune-up	MPR	
Frequency (MHz)				3735	3750	3765	limit	(dB)	
70	QPSK	1	1	14.96	15.10	15.02	16.5	0.0	
Channel				648668	650000	651334	Tune-up	MPR	
Frequency (MHz)				3730.02	3750	3770.01	limit	(dB)	
60	QPSK	1	1	14.93	15.11	15.02	16.5	0.0	
Channel				648334	650000	651668	Tune-up	MPR	
Frequency (MHz)				3725.01	3750	3775.02	limit	(dB)	
50	QPSK	1	1	15.01	15.11	15.02	16.5	0.0	
Channel				648000	650000	652000	Tune-up	MPR	
Frequency (MHz)				3720	3750	3780	limit	(dB)	
40	QPSK	1	1	14.97	15.12	15.03	16.5	0.0	
Channel				647668	650000	652334	Tune-up	MPR	
Frequency (MHz)				3715.02	3750	3785.01	limit	(dB)	
30	QPSK	1	1	14.95	15.07	15.04	16.5	0.0	
Channel				647334	650000	652668	Tune-up	MPR	
Frequency (MHz)				3712.5	3750	3787.5	limit	(dB)	
25	QPSK	1	1	15.01	15.10	15.07	16.5	0.0	
Channel				647000	650000	653000	Tune-up	MPR	
Frequency (MHz)				3710.01	3750	3790.02	limit	(dB)	
20	QPSK	1	1	14.93	15.07	15.06	16.5	0.0	
Channel				647168	650000	652834	Tune-up	MPR	
Frequency (MHz)				3707.52	3750	3792.51	limit	(dB)	
15	QPSK	1	1	14.96	15.09	15.04	16.5	0.0	
Channel				647000	650000	653000	Tune-up	MPR	
Frequency (MHz)				3705	3750	3795	limit	(dB)	
10	QPSK	1	1	15.02	15.10	15.08	16.5	0.0	

Part270 n78 Ant1 Main_PA DSI 7 PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	1/2 BPSK	1	1	18.50			19.5	0.0	
100	1/2 BPSK	1	137	18.46					
100	1/2 BPSK	1	271	18.46					
100	1/2 BPSK	135	0	18.46			19.5	0.0	
100	1/2 BPSK	135	69	18.45			19.5	0.0	
100	1/2 BPSK	135	138	18.45			19.5	0.0	
100	1/2 BPSK	270	0	18.50					
100	QPSK	1	1	18.52			19.5	0.0	
100	QPSK	1	137	18.46					
100	QPSK	1	271	18.47					
100	QPSK	135	0	18.41			19.5	0.0	
100	QPSK	135	69	18.46			19.5	0.0	
100	QPSK	135	138	18.43			19.5	0.0	
100	QPSK	270	0	18.44					
100	16QAM	1	1	18.47			19.5	0.0	
100	16QAM	1	1	18.48			19.5	0.0	
100	256QAM	1	1	18.41			19.5	0.0	
Channel				649668	650000	650334	Tune-up	MPR	
Frequency (MHz)				3745.02	3750	3755.01	limit	(dB)	
90	QPSK	1	1	18.37	18.44	18.36	19.5	0.0	
Channel				649334	650000	650668	Tune-up	MPR	
Frequency (MHz)				3740.01	3750	3760.02	limit	(dB)	
80	QPSK	1	1	18.42	18.43	18.34	19.5	0.0	
Channel				649000	650000	651000	Tune-up	MPR	
Frequency (MHz)				3735	3750	3765	limit	(dB)	
70	QPSK	1	1	18.40	18.43	18.40	19.5	0.0	
Channel				648668	650000	651334	Tune-up	MPR	
Frequency (MHz)				3730.02	3750	3770.01	limit	(dB)	
60	QPSK	1	1	18.39	18.44	18.40	19.5	0.0	
Channel				648334	650000	651668	Tune-up	MPR	
Frequency (MHz)				3725.01	3750	3775.02	limit	(dB)	
50	QPSK	1	1	18.39	18.45	18.38	19.5	0.0	
Channel				648000	650000	652000	Tune-up	MPR	
Frequency (MHz)				3720	3750	3780	limit	(dB)	
40	QPSK	1	1	18.36	18.44	18.38	19.5	0.0	
Channel				647668	650000	652334	Tune-up	MPR	
Frequency (MHz)				3715.02	3750	3785.01	limit	(dB)	
30	QPSK	1	1	18.37	18.43	18.36	19.5	0.0	
Channel				647334	650000	652668	Tune-up	MPR	
Frequency (MHz)				3712.5	3750	3787.5	limit	(dB)	
25	QPSK	1	1	18.41	18.47	18.38	19.5	0.0	
Channel				647000	650000	653000	Tune-up	MPR	
Frequency (MHz)				3710.01	3750	3790.02	limit	(dB)	
20	QPSK	1	1	18.39	18.47	18.34	19.5	0.0	
Channel				647168	650000	652834	Tune-up	MPR	
Frequency (MHz)				3707.52	3750	3792.51	limit	(dB)	
15	QPSK	1	1	18.40	18.46	18.39	19.5	0.0	
Channel				647000	650000	653000	Tune-up	MPR	
Frequency (MHz)				3705	3750	3795	limit	(dB)	
10	QPSK	1	1	18.41	18.43	18.42	19.5	0.0	



Part27Q n78 Ant1 Main_PA DSI 7

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)				633334				
3500.01								
100	1/2 BPSK	1	1	14.79				
100	1/2 BPSK	1	137	14.83			16.5	0.0
100	1/2 BPSK	1	271	14.84				
100	1/2 BPSK	135	0	14.81			16.5	0.0
100	1/2 BPSK	135	69	14.86			16.5	0.0
100	1/2 BPSK	135	138	14.86			16.5	0.0
100	1/2 BPSK	270	0	14.85				
100	QPSK	1	1	14.89				
100	QPSK	1	137	14.87			16.5	0.0
100	QPSK	1	271	14.79				
100	QPSK	135	0	14.81			16.5	0.0
100	QPSK	135	69	14.83			16.5	0.0
100	QPSK	135	138	14.81			16.5	0.0
100	QPSK	270	0	14.74				
100	16QAM	1	1	14.84			16.5	0.0
100	64QAM	1	1	14.88			16.5	0.0
100	256QAM	1	1	14.84			16.5	0.0
Channel				633000	633334	633668	Tune-up	MPR
Frequency (MHz)				3495	3500.01	3505.02	limit	(dB)
90	QPSK	1	1	14.77	14.81	14.88	16.5	0.0
Channel				632668	633334	634000	Tune-up	MPR
Frequency (MHz)				3490.02	3500.01	3510	limit	(dB)
80	QPSK	1	1	14.72	14.80	14.88	16.5	0.0
Channel				632334	633334	634334	Tune-up	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	limit	(dB)
70	QPSK	1	1	14.74	14.84	14.71	16.5	0.0
Channel				632000	633334	634668	Tune-up	MPR
Frequency (MHz)				3480	3500.01	3520.02	limit	(dB)
60	QPSK	1	1	14.77	14.83	14.69	16.5	0.0
Channel				631668	633334	635000	Tune-up	MPR
Frequency (MHz)				3475.02	3500.01	3525	limit	(dB)
50	QPSK	1	1	14.77	14.82	14.71	16.5	0.0
Channel				631334	633334	635334	Tune-up	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	limit	(dB)
40	QPSK	1	1	14.74	14.80	14.70	16.5	0.0
Channel				631000	633334	635668	Tune-up	MPR
Frequency (MHz)				3465	3500.01	3535.02	limit	(dB)
30	QPSK	1	1	14.77	14.84	14.66	16.5	0.0
Channel				630668	633334	636000	Tune-up	MPR
Frequency (MHz)				3462.51	3500.01	3537.51	limit	(dB)
25	QPSK	1	1	14.77	14.85	14.72	16.5	0.0
Channel				630334	633334	636334	Tune-up	MPR
Frequency (MHz)				3460.02	3500.01	3540	limit	(dB)
20	QPSK	1	1	14.76	14.80	14.71	16.5	0.0
Channel				630000	633334	636168	Tune-up	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	limit	(dB)
15	QPSK	1	1	14.77	14.85	14.67	16.5	0.0
Channel				630334	633334	636334	Tune-up	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	limit	(dB)
10	QPSK	1	1	14.72	14.86	14.69	16.5	0.0

Part27Q n78 Ant1 Main_PA DSI 7 PC2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				633334				
3500.01								
100	1/2 BPSK	1	1	17.92				
100	1/2 BPSK	1	137	17.89			19.5	0.0
100	1/2 BPSK	1	271	17.81				
100	1/2 BPSK	135	0	17.90			19.5	0.0
100	1/2 BPSK	135	69	17.89			19.5	0.0
100	1/2 BPSK	135	138	17.93			19.5	0.0
100	1/2 BPSK	270	0	17.86				
100	QPSK	1	1	17.85				
100	QPSK	1	137	17.88			19.5	0.0
100	QPSK	1	271	17.90				
100	QPSK	135	0	17.90			19.5	0.0
100	QPSK	135	69	17.91			19.5	0.0
100	QPSK	135	138	17.78			19.5	0.0
100	QPSK	270	0	17.84				
100	16QAM	1	1	17.86			19.5	0.0
100	64QAM	1	1	17.90			19.5	0.0
100	256QAM	1	1	17.81			19.5	0.0
Channel				633000	633334	633668	Tune-up	MPR
Frequency (MHz)				3495	3500.01	3505.02	limit	(dB)
90	QPSK	1	1	17.77	17.89	17.85	19.5	0.0
Channel				632668	633334	634000	Tune-up	MPR
Frequency (MHz)				3490.02	3500.01	3510	limit	(dB)
80	QPSK	1	1	17.78	17.87	17.87	19.5	0.0
Channel				632334	633334	634334	Tune-up	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	limit	(dB)
70	QPSK	1	1	17.77	17.90	17.84	19.5	0.0
Channel				632000	633334	634668	Tune-up	MPR
Frequency (MHz)				3480	3500.01	3520.02	limit	(dB)
60	QPSK	1	1	17.78	17.90	17.83	19.5	0.0
Channel				631668	633334	635000	Tune-up	MPR
Frequency (MHz)				3475.02	3500.01	3525	limit	(dB)
50	QPSK	1	1	17.78	17.89	17.82	19.5	0.0
Channel				631334	633334	635334	Tune-up	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	limit	(dB)
40	QPSK	1	1	17.82	17.91	17.88	19.5	0.0
Channel				631000	633334	635668	Tune-up	MPR
Frequency (MHz)				3465	3500.01	3535.02	limit	(dB)
30	QPSK	1	1	17.82	17.81	17.85	19.5	0.0
Channel				630668	633334	636000	Tune-up	MPR
Frequency (MHz)				3462.51	3500.01	3537.51	limit	(dB)
25	QPSK	1	1	17.82	17.86	17.85	19.5	0.0
Channel				630334	633334	636334	Tune-up	MPR
Frequency (MHz)				3460.02	3500.01	3540	limit	(dB)
20	QPSK	1	1	17.76	17.89	17.85	19.5	0.0
Channel				630000	633334	636168	Tune-up	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	limit	(dB)
15	QPSK	1	1	17.80	17.91	17.85	19.5	0.0
Channel				630334	633334	636334	Tune-up	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	limit	(dB)
10	QPSK	1	1	17.82	17.92	17.87	19.5	0.0



Reduced Power Mode for NSA DSI 8

n7 Ant0 Main_PA DSI 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MFR (dB)	
Channel									
Channel				504000	507000	510000			
Frequency (MHz)									
40	1/2 BPSK	1	1	21.29	21.40	21.22			
40	1/2 BPSK	1	108	21.31	21.40	21.27	22.0	0.0	
40	1/2 BPSK	1	214	21.38	21.38	21.24			
40	1/2 BPSK	108	0	21.30	21.42	21.21	22.0	0.0	
40	1/2 BPSK	108	54	21.28	21.44	21.23	22.0	0.0	
40	1/2 BPSK	108	108	21.30	21.34	21.23	22.0	0.0	
40	1/2 BPSK	216	0	21.35	21.36	21.25			
40	QPSK	1	1	21.39	21.45	21.32			
40	QPSK	1	108	21.29	21.41	21.23	22.0	0.0	
40	QPSK	1	214	21.30	21.42	21.27			
40	QPSK	108	0	21.32	21.40	21.22	22.0	0.0	
40	QPSK	108	54	21.35	21.41	21.27	22.0	0.0	
40	QPSK	108	108	21.30	21.39	21.29	22.0	0.0	
40	QPSK	216	0	21.29	21.33	21.21			
40	16QAM	1	1	21.31	21.43	21.22	22.0	0.0	
40	16QAM	1	1	21.35	21.39	21.27	22.0	0.0	
40	16QAM	1	1	19.34	19.37	19.31	20.0	0.0	
Channel									
Channel				503500	507000	510500	Tune-up	MFR	
Frequency (MHz)									
35	QPSK	1	1	21.15	21.40	21.29	22.0	0.0	
Channel									
Channel				503000	507000	511000	Tune-up	MFR	
Frequency (MHz)									
30	QPSK	1	1	21.34	21.31	21.28	22.0	0.0	
Channel									
Channel				502500	507000	511500	Tune-up	MFR	
Frequency (MHz)									
25	QPSK	1	1	21.35	21.35	21.28	22.0	0.0	
Channel									
Channel				502000	507000	512000	Tune-up	MFR	
Frequency (MHz)									
20	1/2 BPSK	1	1	21.36	21.40	21.29	22.0	0.0	
Channel									
Channel				501500	507000	512500	Tune-up	MFR	
Frequency (MHz)									
15	QPSK	1	1	21.36	21.39	21.29	22.0	0.0	
Channel									
Channel				501000	507000	513000	Tune-up	MFR	
Frequency (MHz)									
10	QPSK	1	1	21.36	21.39	21.28	22.0	0.0	
Channel									
Channel				500500	507000	513500	Tune-up	MFR	
Frequency (MHz)									
5	QPSK	1	1	21.34	21.40	21.26	22.0	0.0	

n66 Ant0 Other PA DSI 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MFR (dB)	
Channel									
Channel				346000	349000	352000			
Frequency (MHz)									
40	1/2 BPSK	1	1	21.25	21.31	21.26			
40	1/2 BPSK	1	108	21.17	21.25	21.33	21.7	0.0	
40	1/2 BPSK	1	214	21.14	21.27	21.29			
40	1/2 BPSK	108	0	21.24	21.21	21.21	21.7	0.0	
40	1/2 BPSK	108	54	21.27	21.22	21.33	21.7	0.0	
40	1/2 BPSK	108	108	21.29	21.23	21.28	21.7	0.0	
40	1/2 BPSK	216	0	21.22	21.25	21.27			
40	QPSK	1	1	21.17	21.38	21.23			
40	QPSK	1	108	21.24	21.31	21.19	21.7	0.0	
40	QPSK	1	214	21.22	21.24	21.29			
40	QPSK	108	0	21.28	21.34	21.23	21.7	0.0	
40	QPSK	108	54	21.20	21.37	21.32	21.7	0.0	
40	QPSK	108	108	21.22	21.26	21.34	21.7	0.0	
40	QPSK	216	0	21.29	21.35	21.33			
40	16QAM	1	1	21.26	21.24	21.24	21.7	0.0	
40	16QAM	1	1	21.14	21.20	21.30	21.7	0.0	
40	16QAM	1	1	21.01	21.09	20.98	21.2	0.5	
Channel									
Channel				345500	349000	352500	Tune-up	MFR	
Frequency (MHz)									
35	QPSK	1	1	21.09	21.32	21.20	21.7	0.0	
Channel									
Channel				345000	349000	353000	Tune-up	MFR	
Frequency (MHz)									
30	QPSK	1	1	21.14	21.33	21.19	21.7	0.0	
Channel									
Channel				344500	349000	353500	Tune-up	MFR	
Frequency (MHz)									
25	QPSK	1	1	21.11	21.31	21.18	21.7	0.0	
Channel									
Channel				344000	349000	354000	Tune-up	MFR	
Frequency (MHz)									
20	QPSK	1	1	21.12	21.31	21.15	21.7	0.0	
Channel									
Channel				343500	349000	354500	Tune-up	MFR	
Frequency (MHz)									
15	QPSK	1	1	21.08	21.35	21.16	21.7	0.0	
Channel									
Channel				343000	349000	355000	Tune-up	MFR	
Frequency (MHz)									
10	QPSK	1	1	21.10	21.35	21.19	21.7	0.0	
Channel									
Channel				342500	349000	355500	Tune-up	MFR	
Frequency (MHz)									
5	QPSK	1	1	21.09	21.31	21.20	21.7	0.0	



n38 Ant0 Main_PA DSI 8								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up time (dBm)	MPR (dB)
	Channel			519004	519000	519996		
	Frequency (MHz)			2590.02	2595	2599.98		
40	1/2 BPSK	1	1	22.78	22.81	22.73	23.0	0.0
40	1/2 BPSK	1	53	22.73	22.80	22.72	23.0	0.0
40	1/2 BPSK	1	104	22.76	22.86	22.70	23.0	0.0
40	1/2 BPSK	50	0	22.72	22.83	22.70	23.0	0.0
40	1/2 BPSK	50	28	22.74	22.87	22.76	23.0	0.0
40	1/2 BPSK	50	56	22.72	22.79	22.74	23.0	0.0
40	1/2 BPSK	100	0	22.72	22.83	22.68	23.0	0.0
40	QPSK	1	1	22.81	22.88	22.78	23.0	0.0
40	QPSK	1	53	22.79	22.82	22.72	23.0	0.0
40	QPSK	1	104	22.72	22.84	22.76	23.0	0.0
40	QPSK	50	0	22.76	22.81	22.74	23.0	0.0
40	QPSK	50	28	22.74	22.83	22.74	23.0	0.0
40	QPSK	50	56	22.74	22.82	22.71	23.0	0.0
40	QPSK	100	0	22.69	22.75	22.71	23.0	0.0
40	16QAM	1	1	22.77	22.78	22.87	23.0	0.0
40	16QAM	1	1	21.21	21.26	21.17	21.5	1.5
40	256QAM	1	1	19.15	19.22	19.15	19.5	3.5
	Channel			517002	519000	520998	Tune-up	MPR
	Frequency (MHz)			2583.01	2585	2584.99	lim	(dB)
30	QPSK	1	1	22.75	22.84	22.72	23.0	0.0
	Channel			516504	519000	521496	Tune-up	MPR
	Frequency (MHz)			2582.52	2585	2587.48	lim	(dB)
25	QPSK	1	1	22.74	22.83	22.74	23.0	0.0
	Channel			516000	519000	522000	Tune-up	MPR
	Frequency (MHz)			2580	2585	2580	lim	(dB)
20	QPSK	1	1	22.77	22.85	22.75	23.0	0.0
	Channel			515502	519000	522498	Tune-up	MPR
	Frequency (MHz)			2577.51	2585	2582.49	lim	(dB)
15	QPSK	1	1	22.74	22.85	22.74	23.0	0.0
	Channel			515004	519000	522996	Tune-up	MPR
	Frequency (MHz)			2573.02	2585	2581.98	lim	(dB)
10	QPSK	1	1	22.71	22.80	22.74	23.0	0.0

n41 Ant0 Main_PA DSI 8								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up time (dBm)	MPR (dB)
	Channel			509202	518998	526000		
	Frequency (MHz)			2546.01	2552.99	2640		
100	1/2 BPSK	1	1	22.01	22.08	22.01	22.5	0.0
100	1/2 BPSK	1	137	22.02	22.05	21.97	22.5	0.0
100	1/2 BPSK	1	271	22.01	22.10	21.99	22.5	0.0
100	1/2 BPSK	135	0	21.96	22.01	21.96	22.5	0.0
100	1/2 BPSK	135	69	22.04	22.00	22.03	22.5	0.0
100	1/2 BPSK	135	138	21.98	22.06	21.95	22.5	0.0
100	1/2 BPSK	270	0	21.97	22.10	21.99	22.5	0.0
100	QPSK	1	1	22.06	22.11	22.05	22.5	0.0
100	QPSK	1	137	21.97	22.10	21.97	22.5	0.0
100	QPSK	1	271	21.98	22.00	21.96	22.5	0.0
100	QPSK	135	0	22.02	22.05	21.96	22.5	0.0
100	QPSK	135	69	22.01	22.05	21.95	22.5	0.0
100	QPSK	135	138	21.99	22.02	22.00	22.5	0.0
100	QPSK	270	0	21.95	22.01	21.98	22.5	0.0
100	16QAM	1	1	21.99	22.05	21.97	22.5	0.0
100	16QAM	1	1	21.96	22.08	21.99	22.5	0.0
100	256QAM	1	1	21.67	21.71	21.69	22.0	0.5
	Channel			508200	518998	526996	Tune-up	MPR
	Frequency (MHz)			2541	2552.99	2644.98	lim	(dB)
50	QPSK	1	1	22.01	22.04	22.00	22.5	0.0
	Channel			507204	518998	526998	Tune-up	MPR
	Frequency (MHz)			2538.02	2552.99	2640.99	lim	(dB)
80	QPSK	1	1	22.02	22.05	21.95	22.5	0.0
	Channel			506202	518998	531000	Tune-up	MPR
	Frequency (MHz)			2531.01	2552.99	2655	lim	(dB)
70	QPSK	1	1	22.04	22.05	21.94	22.5	0.0
	Channel			505200	518998	531996	Tune-up	MPR
	Frequency (MHz)			2526	2571	2659.98	lim	(dB)
60	QPSK	1	1	21.95	22.00	21.93	22.5	0.0
	Channel			504204	518998	532998	Tune-up	MPR
	Frequency (MHz)			2521.02	2552.99	2664.99	lim	(dB)
50	QPSK	1	1	21.98	22.03	22.03	22.5	0.0
	Channel			503202	518998	534000	Tune-up	MPR
	Frequency (MHz)			2516.04	2552.99	2670	lim	(dB)
40	QPSK	1	1	21.97	22.07	21.97	22.5	0.0
	Channel			502200	518998	534996	Tune-up	MPR
	Frequency (MHz)			2511	2552.99	2674.98	lim	(dB)
30	QPSK	1	1	21.99	22.07	22.02	22.5	0.0
	Channel			502200	518998	534996	Tune-up	MPR
	Frequency (MHz)			2511	2552.99	2674.98	lim	(dB)
25	QPSK	1	1	22.01	22.07	22.00	22.5	0.0
	Channel			501204	518998	535998	Tune-up	MPR
	Frequency (MHz)			2506.02	2552.99	2678.99	lim	(dB)
20	QPSK	1	1	21.95	22.03	22.04	22.5	0.0
	Channel			500700	518998	536496	Tune-up	MPR
	Frequency (MHz)			2500.5	2552.99	2683.48	lim	(dB)
15	QPSK	1	1	21.96	22.01	22.03	22.5	0.0
	Channel			500202	518998	537000	Tune-up	MPR
	Frequency (MHz)			2501.01	2552.99	2685	lim	(dB)
10	QPSK	1	1	21.96	22.06	21.96	22.5	0.0



n7 Ant1 Main_PA DSI 8								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	1/2 BPSK	1	1	18.41	18.59	18.53	19.5	0.0
40	1/2 BPSK	1	108	18.45	18.58	18.54		
40	1/2 BPSK	1	214	18.45	18.61	18.53		
40	1/2 BPSK	108	0	18.41	18.57	18.54	19.5	0.0
40	1/2 BPSK	108	54	18.45	18.58	18.52	19.5	0.0
40	1/2 BPSK	108	108	18.45	18.59	18.50	19.5	0.0
40	1/2 BPSK	216	0	18.40	18.55	18.47	19.5	0.0
40	QPSK	1	1	18.54	18.68	18.59		
40	QPSK	1	108	18.45	18.58	18.51	19.5	0.0
40	QPSK	1	214	18.49	18.64	18.47		
40	QPSK	108	0	18.50	18.57	18.54	19.5	0.0
40	QPSK	108	54	18.51	18.62	18.55	19.5	0.0
40	QPSK	108	108	18.47	18.60	18.49	19.5	0.0
40	QPSK	216	0	18.49	18.55	18.43	19.5	0.0
40	16QAM	1	1	18.50	18.57	18.52	19.5	0.0
40	16QAM	1	1	18.15	18.21	18.15	19.5	0.0
40	256QAM	1	1	18.09	18.01	18.03	19.5	0.0
Channel				503500	507000	510500	Tune-up	MPR
Frequency (MHz)				2317.5	2332	2324.5	limit	(dB)
35	QPSK	1	1	18.43	18.55	18.53	19.5	0.0
Channel				503000	507000	511000	Tune-up	MPR
Frequency (MHz)				2315	2332	2335	limit	(dB)
30	QPSK	1	1	18.51	18.53	18.56	19.5	0.0
Channel				502500	507000	511500	Tune-up	MPR
Frequency (MHz)				2312.5	2332	2327.5	limit	(dB)
25	QPSK	1	1	18.51	18.52	18.52	19.5	0.0
Channel				502000	507000	512000	Tune-up	MPR
Frequency (MHz)				2310	2332	2330	limit	(dB)
20	1/2 BPSK	1	1	18.51	18.54	18.52	19.5	0.0
Channel				501500	507000	512500	Tune-up	MPR
Frequency (MHz)				2307.5	2332	2329.5	limit	(dB)
15	QPSK	1	1	18.49	18.61	18.53	19.5	0.0
Channel				501000	507000	513000	Tune-up	MPR
Frequency (MHz)				2305	2332	2330	limit	(dB)
10	QPSK	1	1	18.48	18.61	18.52	19.5	0.0
Channel				500500	507000	513500	Tune-up	MPR
Frequency (MHz)				2302.5	2332	2327.5	limit	(dB)
5	QPSK	1	1	18.45	18.61	18.54	19.5	0.0

n66 Ant1 Other PA DSI 8								
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	1/2 BPSK	1	1	19.06	19.18	19.13		
40	1/2 BPSK	1	108	19.12	19.15	19.09	19.7	0.0
40	1/2 BPSK	1	214	19.10	19.15	19.11		
40	1/2 BPSK	108	0	19.05	19.19	19.10	19.7	0.0
40	1/2 BPSK	108	54	19.08	19.11	19.12	19.7	0.0
40	1/2 BPSK	108	108	19.09	19.14	19.13	19.7	0.0
40	1/2 BPSK	216	0	19.06	19.13	19.10		
40	QPSK	1	1	19.19	19.25	19.21		
40	QPSK	1	108	19.12	19.18	19.13	19.7	0.0
40	QPSK	1	214	19.10	19.20	19.10		
40	QPSK	108	0	19.11	19.19	19.09	19.7	0.0
40	QPSK	108	54	19.12	19.22	19.15	19.7	0.0
40	QPSK	108	108	19.09	19.16	19.13	19.7	0.0
40	QPSK	216	0	19.15	19.16	19.13		
40	16QAM	1	1	19.10	19.17	19.10	19.7	0.0
40	16QAM	1	1	18.14	18.19	18.10	19.7	0.0
40	256QAM	1	1	18.12	18.15	18.11	19.7	0.0
Channel				345500	349000	352500	Tune-up	MPR
Frequency (MHz)				1727.5	1745	1722.5	limit	(dB)
35	QPSK	1	1	19.16	19.22	19.18	19.7	0.0
Channel				345000	349000	353000	Tune-up	MPR
Frequency (MHz)				1725	1745	1735	limit	(dB)
30	QPSK	1	1	19.16	19.18	19.14	19.7	0.0
Channel				344500	349000	353500	Tune-up	MPR
Frequency (MHz)				1722.5	1745	1727.5	limit	(dB)
25	QPSK	1	1	19.12	19.22	19.16	19.7	0.0
Channel				344000	349000	354000	Tune-up	MPR
Frequency (MHz)				1720	1745	1730	limit	(dB)
20	QPSK	1	1	19.16	19.22	19.14	19.7	0.0
Channel				343500	349000	354500	Tune-up	MPR
Frequency (MHz)				1717.5	1745	1722.5	limit	(dB)
15	QPSK	1	1	19.14	19.22	19.16	19.7	0.0
Channel				343000	349000	355000	Tune-up	MPR
Frequency (MHz)				1715	1745	1725	limit	(dB)
10	QPSK	1	1	18.15	18.13	18.15	19.7	0.0
Channel				342500	349000	355500	Tune-up	MPR
Frequency (MHz)				1712.5	1745	1727.5	limit	(dB)
5	QPSK	1	1	18.08	18.03	18.05	19.7	0.0



n38 Ant1 Main_PA DSI 8									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)	
40	1/2 BPSK	1	1	18.04	17.96	17.99		18.5	0.0
40	1/2 BPSK	1	53	18.05	17.97	17.98			
40	1/2 BPSK	1	104	17.95	18.00	17.99			
40	1/2 BPSK	50	0	18.00	18.03	17.93		18.5	0.0
40	1/2 BPSK	50	28	17.99	18.01	17.99		18.5	0.0
40	1/2 BPSK	50	56	18.02	18.07	18.00		18.5	0.0
40	1/2 BPSK	100	0	18.03	18.05	17.98		18.5	0.0
40	QPSK	1	1	18.00	18.11	18.05			
40	QPSK	1	53	18.04	18.04	17.93		18.5	0.0
40	QPSK	1	104	17.97	17.97	17.98		18.5	0.0
40	QPSK	50	0	18.04	18.00	17.97		18.5	0.0
40	QPSK	50	28	18.02	18.06	18.01		18.5	0.0
40	QPSK	50	56	18.05	18.01	17.94		18.5	0.0
40	16QAM	1	1	18.04	18.00	17.92		18.5	0.0
40	16QAM	1	1	17.97	18.06	18.00		18.5	0.0
40	256QAM	1	1	18.05	18.04	18.00		18.5	0.0
30	QPSK	1	1	18.04	18.05	17.97		18.5	0.0
25	QPSK	1	1	18.00	18.02	17.95		18.5	0.0
20	QPSK	1	1	18.02	18.02	17.95		18.5	0.0
15	QPSK	1	1	18.04	18.07	17.97		18.5	0.0
10	QPSK	1	1	18.03	18.06	18.01		18.5	0.0

n41 Ant1 Main_PA DSI 8									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)	
100	1/2 BPSK	1	1	17.11	17.17	17.08	18.0	0.0	
100	1/2 BPSK	1	137	17.09	17.13	17.01			
100	1/2 BPSK	1	274	17.08	17.13	17.03			
100	1/2 BPSK	135	0	17.12	17.17	17.03	18.0	0.0	
100	1/2 BPSK	135	69	17.17	17.11	17.09	18.0	0.0	
100	1/2 BPSK	135	138	17.14	17.13	17.10	18.0	0.0	
100	1/2 BPSK	270	0	17.09	17.12	17.09			
100	QPSK	1	1	17.21	17.23	17.15			
100	QPSK	1	137	17.14	17.16	17.10	18.0	0.0	
100	QPSK	1	271	17.16	17.13	17.07			
100	QPSK	135	0	17.10	17.14	17.04	18.0	0.0	
100	QPSK	135	69	17.14	17.21	17.08	18.0	0.0	
100	QPSK	135	138	17.13	17.11	17.01	18.0	0.0	
100	QPSK	270	0	17.05	17.12	17.05			
100	16QAM	1	1	17.15	17.13	17.04	18.0	0.0	
100	16QAM	1	1	17.14	17.15	17.08	18.0	0.0	
100	256QAM	1	1	17.08	17.16	17.07	18.0	0.0	
80	QPSK	1	1	17.13	17.13	17.09	18.0	0.0	
70	QPSK	1	1	17.13	17.13	17.09	18.0	0.0	
60	QPSK	1	1	17.15	17.13	17.03	18.0	0.0	
50	QPSK	1	1	17.15	17.16	17.12	18.0	0.0	
40	QPSK	1	1	17.13	17.13	17.08	18.0	0.0	
30	QPSK	1	1	17.15	17.15	17.09	18.0	0.0	
25	QPSK	1	1	17.17	17.15	17.11	18.0	0.0	
20	QPSK	1	1	17.14	17.19	17.09	18.0	0.0	
15	QPSK	1	1	17.16	17.19	17.11	18.0	0.0	
10	QPSK	1	1	17.16	17.15	17.06	18.0	0.0	

Part270 n77 Ant1 Main_PA DSI 8									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)	
100	1/2 BPSK	1	1	16.41	16.51	16.39			
100	1/2 BPSK	1	137	16.38	16.46	16.32	17.0	0.0	
100	1/2 BPSK	1	271	16.37	16.45	16.40			
100	1/2 BPSK	135	0	16.38	16.49	16.36	17.0	0.0	
100	1/2 BPSK	135	69	16.35	16.42	16.40	17.0	0.0	
100	1/2 BPSK	135	138	16.43	16.42	16.33	17.0	0.0	
100	1/2 BPSK	270	0	16.40	16.48	16.36			
100	QPSK	1	1	16.48	16.55	16.45			
100	QPSK	1	137	16.42	16.46	16.33	17.0	0.0	
100	QPSK	1	271	16.45	16.48	16.38			
100	QPSK	135	0	16.44	16.46	16.32	17.0	0.0	
100	QPSK	135	69	16.42	16.51	16.41	17.0	0.0	
100	QPSK	135	138	16.44	16.44	16.36	17.0	0.0	
100	QPSK	270	0	16.41	16.44	16.35			
100	16QAM	1	1	16.40	16.46	16.32	17.0	0.0	
100	16QAM	1	1	16.38	16.43	16.36	17.0	0.0	
100	256QAM	1	1	16.43	16.42	16.36	17.0	0.0	
80	QPSK	1	1	16.41	16.51	16.37	17.0	0.0	
70	QPSK	1	1	16.41	16.51	16.37	17.0	0.0	
60	QPSK	1	1	16.43	16.49	16.40	17.0	0.0	
50	QPSK	1	1	16.40	16.52	16.38	17.0	0.0	
40	QPSK	1	1	16.45	16.51	16.36	17.0	0.0	
30	QPSK	1	1	16.41	16.48	16.40	17.0	0.0	
25	QPSK	1	1	16.43	16.49	16.36	17.0	0.0	
20	QPSK	1	1	16.43	16.50	16.40	17.0	0.0	
15	QPSK	1	1	16.41	16.47	16.38	17.0	0.0	
10	QPSK	1	1	16.42	16.50	16.42	17.0	0.0	



Part270 n77 Ant1 Main_PA DSI 8 PC2

BW [MHz]	Modulat ion	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)								
100	1/2 BPSK	1	1	19.36	19.36	19.24		0.0
100	1/2 BPSK	1	137	19.31	19.41	19.29		0.0
100	1/2 BPSK	1	271	19.32	19.32	19.26		20.0
100	1/2 BPSK	135	0	19.36	19.32	19.27		0.0
100	1/2 BPSK	135	69	19.34	19.34	19.32		20.0
100	1/2 BPSK	135	138	19.30	19.31	19.24		0.0
100	1/2 BPSK	270	0	19.30	19.38	19.31		20.0
100	QPSK	1	1	19.41	19.45	19.38		0.0
100	QPSK	1	137	19.29	19.36	19.26		20.0
100	QPSK	1	271	19.33	19.38	19.33		20.0
100	QPSK	135	0	19.30	19.34	19.34		20.0
100	QPSK	135	69	19.33	19.42	19.36		20.0
100	QPSK	135	138	19.29	19.32	19.32		20.0
100	QPSK	270	0	19.25	19.34	19.21		20.0
100	16QAM	1	1	19.35	19.34	19.24		0.0
100	16QAM	1	1	19.34	19.32	19.25		20.0
100	256QAM	1	1	19.31	19.32	19.25		20.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.38	19.30	19.31		20.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.36	19.42	19.30		20.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	19.34	19.37	19.33		20.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.36	19.41	19.32		20.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.34	19.38	19.34		20.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.38	19.40	19.34		20.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.34	19.36	19.30		20.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	19.36	19.39	19.35		20.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.38	19.40	19.35		20.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.34	19.40	19.30		20.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.32	19.37	19.29		20.0

Part27Q n77 Ant1 Main_PA DSI 8

BW [MHz]	Modulat ion	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)								
100	1/2 BPSK	1	1	15.10				17.0
100	1/2 BPSK	1	137	15.10				0.0
100	1/2 BPSK	1	271	15.09				0.0
100	1/2 BPSK	135	0	15.06				0.0
100	1/2 BPSK	135	69	15.06				0.0
100	1/2 BPSK	135	138	15.09				17.0
100	1/2 BPSK	270	0	15.14				0.0
100	QPSK	1	1	15.13				0.0
100	QPSK	1	137	15.10				17.0
100	QPSK	1	271	15.14				0.0
100	QPSK	135	0	15.06				17.0
100	QPSK	135	69	15.15				0.0
100	QPSK	135	138	15.06				17.0
100	QPSK	270	0	15.12				0.0
100	16QAM	1	1	15.07				17.0
100	16QAM	1	1	15.14				0.0
100	256QAM	1	1	15.11				17.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	15.02	15.15	15.03		0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	15.02	15.01	15.10		0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	15.02	15.13	15.03		0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	15.02	15.13	15.10		0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	15.02	15.10	15.07		0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	15.02	15.10	15.05		0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	15.02	15.13	15.09		0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	15.02	15.16	15.04		0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	15.02	15.12	15.08		0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	15.02	15.14	15.08		0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	15.04	15.14	15.08		0.0

Part27Q n77 Ant1 Main_PA DSI 8 PC2

BW [MHz]	Modulat ion	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)								
100	1/2 BPSK	1	1	18.68				20.0
100	1/2 BPSK	1	137	18.61				0.0
100	1/2 BPSK	1	271	18.70				0.0
100	1/2 BPSK	135	0	18.70				20.0
100	1/2 BPSK	135	69	18.64				0.0
100	1/2 BPSK	135	138	18.67				20.0
100	1/2 BPSK	270	0	18.68				0.0
100	QPSK	1	1	18.75				0.0
100	QPSK	1	137	18.65				20.0
100	QPSK	1	271	18.71				0.0
100	QPSK	135	0	18.65				20.0
100	QPSK	135	69	18.71				20.0
100	QPSK	135	138	18.65				20.0
100	QPSK	270	0	18.64				0.0
100	16QAM	1	1	18.64				20.0
100	16QAM	1	1	18.66				0.0
100	256QAM	1	1	18.64				20.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.63	18.71	18.61		20.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.64	18.72	18.59		20.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	18.63	18.70	18.61		20.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.65	18.69	18.58		20.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.68	18.68	18.59		20.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.63	18.68	18.61		20.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.65	18.69	18.62		20.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	18.65	18.68	18.59		20.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.63	18.71	18.59		20.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.68	18.69	18.58		20.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.61	18.65	18.63		20.0

Part270 n78 Ant1 Main_PA DSI 8

BW [MHz]	Modulat ion	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)								
100	1/2 BPSK	1	1	15.10				16.5
100	1/2 BPSK	1	137	15.08				0.0
100	1/2 BPSK	1	271	15.04				0.0
100	1/2 BPSK	135	0	15.04				16.5
100	1/2 BPSK	135	69	15.04				0.0
100	1/2 BPSK	135	138	15.09				16.5
100	1/2 BPSK	270	0	15.05				0.0
100	QPSK	1	1	15.15				0.0
100	QPSK	1	137	15.07				16.5
100	QPSK	1	271	15.01				0.0
100	QPSK	135	0	15.04				16.5
100	QPSK	135	69	15.12				0.0
100	QPSK	135	138	15.11				16.5
100	QPSK	270	0	15.07				0.0
100	16QAM	1	1	15.02				16.5
100	16QAM	1	1	15.09				0.0
100	256QAM	1	1	15.07				16.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	14.98	15.10	14.97		16.5
Channel								
Frequency (MHz)								
80	QPSK	1	1	15.01	15.08	14.97		16.5
Channel								
Frequency (MHz)								
70	QPSK	1	1	14.97	15.07	14.97		16.5
Channel								
Frequency (MHz)								
60	QPSK	1	1	14.97	15.09	14.99		16.5
Channel								
Frequency (MHz)								
50	QPSK	1	1	14.99	15.08	14.94		16.5
Channel								
Frequency (MHz)								
40	QPSK	1	1	14.97	15.06	14.99		16.5
Channel								
Frequency (MHz)								
30	QPSK	1	1	14.98	15.06	14.95		16.5
Channel								
Frequency (MHz)								
25	QPSK	1	1	14.97	15.10	14.94		16.5
Channel								
Frequency (MHz)								
20	QPSK	1	1	14.97	15.06	14.95		16.5
Channel								
Frequency (MHz)								
15	QPSK	1	1	15.01	15.06	14.98		16.5
Channel								
Frequency (MHz)								
10	QPSK	1	1	15.01	15.12	14.97		16.5



Part270 n78 Ant1 Main_PA DSI 8 PC2									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up [m]	MPR	
Channel									
Frequency (MHz)									
100	1/2 BPS	1	1	18.39				19.5	0.0
100	1/2 BPS	1	137	18.45					
100	1/2 BPS	1	271	18.44					
100	1/2 BPS	135	0	18.44				19.5	0.0
100	1/2 BPS	135	69	18.38				19.5	0.0
100	1/2 BPS	135	138	18.45				19.5	0.0
100	1/2 BPS	270	0	18.45				19.5	0.0
100	QPSK	1	1	18.52					
100	QPSK	1	137	18.40				19.5	0.0
100	QPSK	1	271	18.43					
100	QPSK	135	0	18.41				19.5	0.0
100	QPSK	135	69	18.46				19.5	0.0
100	QPSK	135	138	18.41				19.5	0.0
100	QPSK	270	0	18.44				19.5	0.0
100	16QAM	1	1	18.41				19.5	0.0
100	16QAM	1	1	18.39				19.5	0.0
100	256QAM	1	1	18.46				19.5	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	3743.02	65000	650334			
Channel									
Frequency (MHz)									
80	QPSK	1	1	3743.01	65000	650668			
Channel									
Frequency (MHz)									
70	QPSK	1	1	64900	65000	651000			
Channel									
Frequency (MHz)									
60	QPSK	1	1	64868	65000	651334			
Channel									
Frequency (MHz)									
50	QPSK	1	1	3723	65000	651668			
Channel									
Frequency (MHz)									
40	QPSK	1	1	3723	65000	652000			
Channel									
Frequency (MHz)									
30	QPSK	1	1	64768	65000	652334			
Channel									
Frequency (MHz)									
25	QPSK	1	1	64750	65000	652500			
Channel									
Frequency (MHz)									
20	QPSK	1	1	64734	65000	652668			
Channel									
Frequency (MHz)									
15	QPSK	1	1	3705	65000	652834			
Channel									
Frequency (MHz)									
10	QPSK	1	1	64700	65000	653000			

Part27Q n78 Ant1 Main_PA DSI 8									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up [m]	MPR	
Channel									
Frequency (MHz)									
100	1/2 BPS	1	1	14.84	3500.01				
100	1/2 BPS	1	137	14.76				16.5	0.0
100	1/2 BPS	1	271	14.79					
100	1/2 BPS	135	0	14.81				16.5	0.0
100	1/2 BPS	135	69	14.84				16.5	0.0
100	1/2 BPS	135	138	14.84				16.5	0.0
100	1/2 BPS	270	0	14.83				16.5	0.0
100	QPSK	1	1	14.89					
100	QPSK	1	137	14.79				16.5	0.0
100	QPSK	1	271	14.84					
100	QPSK	135	0	14.77				16.5	0.0
100	QPSK	135	69	14.83				16.5	0.0
100	QPSK	135	138	14.81				16.5	0.0
100	QPSK	270	0	14.74				16.5	0.0
100	16QAM	1	1	14.83				16.5	0.0
100	16QAM	1	1	14.76				16.5	0.0
100	256QAM	1	1	14.80				16.5	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	63300	633334	633668			
Channel									
Frequency (MHz)									
80	QPSK	1	1	63268	633334	634000			
Channel									
Frequency (MHz)									
70	QPSK	1	1	63234	633334	634334			
Channel									
Frequency (MHz)									
60	QPSK	1	1	63200	633334	634668			
Channel									
Frequency (MHz)									
50	QPSK	1	1	3489.02	633334	635000			
Channel									
Frequency (MHz)									
40	QPSK	1	1	3489.01	633334	635334			
Channel									
Frequency (MHz)									
30	QPSK	1	1	63100	633334	635668			
Channel									
Frequency (MHz)									
30	QPSK	1	1	63068	633334	636000			
Channel									
Frequency (MHz)									
25	QPSK	1	1	63034	633334	636334			
Channel									
Frequency (MHz)									
20	QPSK	1	1	3469.02	633334	636668			
Channel									
Frequency (MHz)									
15	QPSK	1	1	3465.5	633334	637000			
Channel									
Frequency (MHz)									
10	QPSK	1	1	63000	633334	637334			

Part27Q n78 Ant1 Main_PA DSI 8 PC2									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up [m]	MPR	
Channel									
Frequency (MHz)									
100	1/2 BPS	1	1	17.90	3500.01				
100	1/2 BPS	1	137	17.82				19.5	0.0
100	1/2 BPS	1	271	17.81					
100	1/2 BPS	135	0	17.86				19.5	0.0
100	1/2 BPS	135	69	17.85				19.5	0.0
100	1/2 BPS	135	138	17.86				19.5	0.0
100	1/2 BPS	270	0	17.83				19.5	0.0
100	QPSK	1	1	17.95					
100	QPSK	1	137	17.83				19.5	0.0
100	QPSK	1	271	17.83					
100	QPSK	135	0	17.89				19.5	0.0
100	QPSK	135	69	17.91				19.5	0.0
100	QPSK	135	138	17.85				19.5	0.0
100	QPSK	270	0	17.84				19.5	0.0
100	16QAM	1	1	17.87				19.5	0.0
100	16QAM	1	1	17.83				19.5	0.0
100	256QAM	1	1	17.89				19.5	0.0
Channel									
Frequency (MHz)									
90	QPSK	1	1	63300	633334	633668			
Channel									
Frequency (MHz)									
90	QPSK	1	1	63268	633334	634000			
Channel									
Frequency (MHz)									
80	QPSK	1	1	63234	633334	634334			
Channel									
Frequency (MHz)									
70	QPSK	1	1	63200	633334	634668			
Channel									
Frequency (MHz)									
60	QPSK	1	1	3489.02	633334	635000			
Channel									
Frequency (MHz)									
50	QPSK	1	1	3489.01	633334	635334			
Channel									
Frequency (MHz)									
40	QPSK	1	1	63100	633334	635668			
Channel									
Frequency (MHz)									
30	QPSK	1	1	63068	633334	636000			
Channel									
Frequency (MHz)									
25	QPSK	1	1	63034	633334	636334			
Channel									
Frequency (MHz)									
20	QPSK	1	1	3469.02	633334	636668			
Channel									
Frequency (MHz)									
15	QPSK	1	1	3465.5	633334	637000			
Channel									
Frequency (MHz)									
10	QPSK	1	1	63000	633334	637334			



Part270 n77 Ant8 Main_PA DSI 8

Table with columns: BW [MHz], Modulat ion, RB Size, RB Offset, Power Low Ch./Freq., Power Middle Ch./Freq., Power High Ch./Freq., Tune-up limit (dBm), MPR (dB). Rows include Frequency (MHz) and QPSK configurations for various RB sizes and offsets.

Part270 n77 Ant8 Main_PA DSI 8 PC2

Table with columns: BW [MHz], Modulat ion, RB Size, RB Offset, Power Low Ch./Freq., Power Middle Ch./Freq., Power High Ch./Freq., Tune-up limit (dBm), MPR (dB). Rows include Frequency (MHz) and QPSK configurations for various RB sizes and offsets.

Part27Q n77 Ant8 Main_PA DSI 8

Table with columns: BW [MHz], Modulat ion, RB Size, RB Offset, Power Low Ch./Freq., Power Middle Ch./Freq., Power High Ch./Freq., Tune-up limit (dBm), MPR (dB). Rows include Frequency (MHz) and QPSK configurations for various RB sizes and offsets.

Part27Q n77 Ant8 Main_PA DSI 8 PC2

Table with columns: BW [MHz], Modulat ion, RB Size, RB Offset, Power Low Ch./Freq., Power Middle Ch./Freq., Power High Ch./Freq., Tune-up limit (dBm), MPR (dB). Rows include Frequency (MHz) and QPSK configurations for various RB sizes and offsets.



Part270 n78 Ant8 Main_PA DSI 8

BW [MHz]	Modulat ion	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)								
100	1/2 BPSK	1	1	11.40	3750			
100	1/2 BPSK	1	137	11.40			12.5	0.0
100	1/2 BPSK	1	271	11.43				
100	1/2 BPSK	135	0	11.40			12.5	0.0
100	1/2 BPSK	135	69	11.40				
100	1/2 BPSK	135	138	11.43			12.5	0.0
100	1/2 BPSK	270	0	11.44				
100	QPSK	1	1	11.53				
100	QPSK	1	137	11.41			12.5	0.0
100	QPSK	1	271	11.44				
100	QPSK	135	0	11.39			12.5	0.0
100	QPSK	135	69	11.45				
100	QPSK	135	138	11.31			12.5	0.0
100	QPSK	270	0	11.35				
100	16QAM	1	1	11.44			12.5	0.0
100	16QAM	1	1	11.47				
100	256QAM	1	1	11.41			12.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	11.42	11.48	11.35	12.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	14.52	14.77	14.52	15.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	14.59	14.77	14.59	15.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	14.52	14.64	14.53	15.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	14.57	14.66	14.63	15.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	14.49	14.63	14.64	15.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	14.62	14.68	14.64	15.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	14.60	14.67	14.64	15.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	14.62	14.69	14.61	15.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	14.60	14.67	14.60	15.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	14.70	14.67	14.65	15.5	0.0

Part270 n78 Ant8 Main_PA DSI 8 PC2

BW [MHz]	Modulat ion	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)								
100	1/2 BPSK	1	1	14.61	3750			
100	1/2 BPSK	1	137	14.54			15.5	0.0
100	1/2 BPSK	1	271	14.67				
100	1/2 BPSK	135	0	14.63			15.5	0.0
100	1/2 BPSK	135	69	14.67				
100	1/2 BPSK	135	138	14.61			15.5	0.0
100	1/2 BPSK	270	0	14.63				
100	QPSK	1	1	14.72				
100	QPSK	1	137	14.61			15.5	0.0
100	QPSK	1	271	14.61				
100	QPSK	135	0	14.60			15.5	0.0
100	QPSK	135	69	14.65				
100	QPSK	135	138	14.55			15.5	0.0
100	QPSK	270	0	14.58				
100	16QAM	1	1	14.64			15.5	0.0
100	16QAM	1	1	14.60				
100	256QAM	1	1	14.60			15.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	14.57	14.77	14.54	15.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	14.59	14.77	14.59	15.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	14.52	14.64	14.53	15.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	14.57	14.66	14.63	15.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	14.49	14.63	14.64	15.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	14.62	14.68	14.64	15.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	14.60	14.67	14.64	15.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	14.62	14.69	14.61	15.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	14.60	14.67	14.60	15.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	14.58	14.67	14.65	15.5	0.0

Part27Q n78 Ant8 Main_PA DSI 8

BW [MHz]	Modulat ion	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)								
100	1/2 BPSK	1	1	10.83	3500.01			
100	1/2 BPSK	1	137	10.94			12.5	0.0
100	1/2 BPSK	1	271	10.92				
100	1/2 BPSK	135	0	10.83			12.5	0.0
100	1/2 BPSK	135	69	10.91				
100	1/2 BPSK	135	138	10.89			12.5	0.0
100	1/2 BPSK	270	0	10.88				
100	QPSK	1	1	10.93				
100	QPSK	1	137	10.92			12.5	0.0
100	QPSK	1	271	10.82				
100	QPSK	135	0	10.81			12.5	0.0
100	QPSK	135	69	10.87				
100	QPSK	135	138	10.85			12.5	0.0
100	QPSK	270	0	10.74				
100	16QAM	1	1	10.89			12.5	0.0
100	16QAM	1	1	10.87				
100	256QAM	1	1	10.90			12.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	10.79	10.95	10.80	12.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	10.77	10.95	10.80	12.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	10.69	10.94	10.89	12.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	10.81	10.99	10.85	12.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	10.79	10.92	10.82	12.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	10.76	10.96	10.85	12.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	10.82	10.91	10.80	12.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	10.81	10.95	10.85	12.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	10.77	10.91	10.84	12.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	10.76	10.93	10.81	12.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	10.82	10.92	10.86	12.5	0.0

Part27Q n78 Ant8 Main_PA DSI 8 PC2

BW [MHz]	Modulat ion	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)								
100	1/2 BPSK	1	1	13.92	3500.01			
100	1/2 BPSK	1	137	13.96			15.5	0.0
100	1/2 BPSK	1	271	13.96				
100	1/2 BPSK	135	0	13.96			15.5	0.0
100	1/2 BPSK	135	69	13.99				
100	1/2 BPSK	135	138	13.91			15.5	0.0
100	1/2 BPSK	270	0	13.91				
100	QPSK	1	1	14.05				
100	QPSK	1	137	13.99			15.5	0.0
100	QPSK	1	271	14.00				
100	QPSK	135	0	13.94			15.5	0.0
100	QPSK	135	69	14.02				
100	QPSK	135	138	14.00			15.5	0.0
100	QPSK	270	0	13.97				
100	16QAM	1	1	13.99			15.5	0.0
100	16QAM	1	1	13.93				
100	256QAM	1	1	13.95			15.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	13.96	13.97	13.96	15.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	13.93	13.97	13.95	15.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	13.98	14.01	14.00	15.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	13.95	13.95	13.95	15.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	13.98	13.99	14.00	15.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	13.98	14.01	13.94	15.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	13.97	14.02	13.96	15.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	13.95	13.93	13.94	15.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	13.92	13.97	13.95	15.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	13.96	13.96	13.96	15.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	13.95	14.02	13.94	15.5	0.0



Bluetooth/WLAN Power

Ant 9+10				Full power Receiver on for Head Close Full power for Hotspot open Full power for Bodyworn open/Close Full power for Extremity Open/close		Receiver on for Head Open		standalone for hotspot Close		Duty Cycle %					
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit							
2.4GHz WLAN	802.11b 1Mbps	1	2412	21.92	22.50	18.77	19.50	19.71	20.50	100.00					
		6	2437	21.86	22.50	18.72	19.50	19.68	20.50						
		11	2462	21.79	22.50	18.67	19.50	19.61	20.50						
	802.11g 6Mbps	1	2412	18.99	19.50	Not Required	19.50	Not Required	19.50	88.97					
		6	2437	20.50	21.00										
		11	2462	19.84	20.50										
	802.11n-HT20 MCS0	1	2412	19.33	20.00										
		6	2437	19.48	20.00										
		11	2462	19.50	20.00										
	802.11n-HT40 MCS0	3	2422	17.83	18.50	18.50	18.50	18.50	18.50	100.00					
		6	2437	19.80	20.50	19.50	20.50	19.50	20.50						
		9	2452	18.58	19.50	19.50	19.50	19.50	19.50						
	802.11ax-HE20 MCS0	1	2412	19.35	20.00	Not Required	19.50	Not Required	20.00	100.00					
		6	2437	19.49	20.00										
		11	2462	17.72	18.50										
	802.11ax-HE40 MCS0	3	2422	17.87	18.50						18.50	18.50	18.50	18.50	100.00
		6	2437	19.82	20.50						19.50	20.50	19.50	20.50	
		9	2452	18.62	19.50						19.50	19.50	19.50	19.50	
	802.11be EHT20 MCS0	1	2412	19.40	20.00	Not Required	19.50	Not Required	20.00	100.00					
		6	2437	19.54	20.50										
		11	2462	17.75	18.50										
	802.11be EHT40 MCS0	3	2422	17.90	18.50						18.50	18.50	18.50	18.50	100.00
		6	2437	19.85	20.50						19.50	20.50	19.50	20.50	
		9	2452	18.66	19.50						19.50	19.50	19.50	19.50	

Ant 8+10				Full power for hotspot open/Close Full power for Bodyworn open/Close Full power for Extremity Open/close		Receiver on for Head Open		Receiver on for Head Close		Duty Cycle %															
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit																	
5.2GHz WLAN	802.11a 6Mbps	36	5180	19.03	20.00	Not Required	17.00	Not Required	18.50	99.32															
		40	5200	19.73	20.50																				
		44	5220	19.58	20.50																				
		48	5240	19.68	20.50																				
	802.11n-HT20 MCS0	36	5180	19.67	20.50																				
		40	5200	19.58	20.50																				
		44	5220	19.57	20.50																				
		48	5240	19.63	20.50																				
	802.11n-HT40 MCS0	38	5190	18.48	19.00					17.00	18.50	17.00	18.50	100.00											
		46	5230	18.81	19.50					17.00	18.50	17.00	18.50												
	802.11ac-VHT20 MCS0	36	5180	19.73	20.50					Not Required	17.00	Not Required	18.50	100.00											
		40	5200	19.65	20.50																				
		44	5220	19.62	20.50																				
		48	5240	19.67	20.50																				
	802.11ac-VHT40 MCS0	38	5190	18.49	19.00									17.00	18.50	17.00	18.50	100.00							
		46	5230	18.84	19.50									17.00	18.50	17.00	18.50								
	802.11ac-VHT80 MCS0	42	5210	18.37	19.00									16.21	17.00	17.65	18.50	100.00							
		36	5180	19.87	20.50									17.00	18.50	17.00	18.50								
	802.11ax-HE20 MCS0	40	5200	19.79	20.50									Not Required	17.00	Not Required	18.50	100.00							
		44	5220	19.74	20.50																				
		48	5240	19.78	20.50																				
		38	5190	18.52	19.50														17.00	18.50	17.00	18.50			
	802.11ax-HE40 MCS0	46	5230	18.87	19.50													17.00	18.50	17.00	18.50	100.00			
		42	5210	17.41	18.00													17.00	18.00	17.00	18.00				
802.11ax-HE80 MCS0	36	5180	19.90	20.50	Not Required	17.00	Not Required	18.50	100.00																
	40	5200	19.83	20.50																					
	44	5220	19.79	20.50																					
	48	5240	19.82	20.50																					
802.11be EHT20 MCS0	38	5190	18.54	19.50					Not Required									17.00	Not Required	18.50	100.00				
	46	5230	18.90	19.50																					
	38	5190	18.54	19.50																		17.00	18.50	17.00	18.50
	46	5230	18.90	19.50																		17.00	18.50	17.00	18.50
802.11be EHT40 MCS0	38	5190	18.54	19.50																	17.00	18.50	17.00	18.50	100.00
	46	5230	18.90	19.50																	17.00	18.50	17.00	18.50	
802.11be EHT80 MCS0	42	5210	17.44	18.00						17.00	18.00	17.00	18.00								100.00				

Ant 8+10				Full power for Extremity open/Close Full power for Bodyworn open/Close		Receiver on for Head Open		Receiver on for Head Close		Duty Cycle %																
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit																		
5.3GHz WLAN	802.11a 6Mbps	52	5260	20.56	21.50	Not Required	17.00	Not Required	18.50	99.32																
		56	5280	20.69	21.50																					
		60	5300	20.78	21.50																					
		64	5320	19.11	20.00																					
	802.11n-HT20 MCS0	52	5260	20.55	21.50					Not Required	17.00	Not Required	18.50	100.00												
		56	5280	20.65	21.50																					
		60	5300	20.40	21.00																					
		64	5320	20.33	21.00																					
	802.11n-HT40 MCS0	54	5270	19.75	20.50									17.00	17.51	17.00	18.50	100.00								
		62	5310	18.85	19.50									17.00	17.62	17.00	18.50									
	802.11ac-VHT20 MCS0	52	5260	20.58	21.50									Not Required	17.00	Not Required	18.50	100.00								
		56	5280	20.68	21.50																					
		60	5300	20.45	21.00																					
		64	5320	20.36	21.00																					
	802.11ac-VHT40 MCS0	54	5270	19.79	20.50													17.00	18.50	17.00	18.50	100.00				
		62	5310	18.86	19.50													17.00	18.50	17.00	18.50					
	802.11ac-VHT80 MCS0	58	5290	16.42	17.00													16.42	17.00	16.42	17.00	100.00				
		50	5250	15.40	16.00													16.00	16.00	16.00	16.00					
	802.11ax-HE20 MCS0	52	5260	20.69	21.50													Not Required	17.00	Not Required	18.50	100.00				
		56	5280	20.80	21.50																					
		60	5300	20.56	21.50																					
		64	5320	20.38	21.00																					
	802.11ax-HE40 MCS0	54	5270	19.81	20.50																	17.00	18.50	17.00	18.50	100.00
		62	5310	18.91	19.50																	17.00	18.50	17.00	18.50	
802.11ax-HE80 MCS0	58	5290	16.48	17.00	17.00	17.00	17.00	17.00	100.00																	
	50	5250	15.43	16.00	16.00	16.00	16.00	16.00																		
802.11be EHT20 MCS0	52	5260	20.76	21.50	Not Required	17.00	Not Required	18.50	100.00																	
	56	5280	20.86	21.50																						
	60	5300	20.60	21.50																						
	64	5320	20.40	21.00																						
802.11be EHT40 MCS0	54	5270	19.84	20.50					17.00	18.50	17.00	18.50	100.00													
	62	5310	18.93	19.50					17.00	18.50	17.00	18.50														
802.11be EHT80 MCS0	58	5290	16.51	17.50					17.00	17.50	17.00	17.50	100.00													
	50	5250	15.44	16.00					16.00	16.00	16.00	16.00														



Ant 8+10				Full power for Extremity open/Close Full power for Body-worn open/Close		Receiver on for Head Open		Receiver on for Head Close		Duty Cycle %		
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %			
5.5GHz WLAN	802.11a 6Mbps	100	5500	20.97	21.50	Not Require	16.50	18.00	99.32			
		116	5580	20.91	21.50		16.50	18.00				
		124	5620	20.93	21.50		16.50	18.00				
		132	5660	20.88	21.50		16.50	18.00				
		140	5700	20.83	21.50		16.50	18.00				
		144	5720	20.82	21.50		16.50	18.00				
	802.11n-HT20 MCS0	100	5500	20.95	21.50		16.50	18.00	100.00			
		116	5580	20.88	21.50		16.50	18.00				
		124	5620	20.82	21.50		16.50	18.00				
		132	5660	20.76	21.50		16.50	18.00				
		140	5700	20.76	21.50		16.50	18.00				
		144	5720	20.63	21.50		16.50	18.00				
	802.11n-HT40 MCS0	102	5510	18.02	19.00		Not Require	16.50	18.00	100.00		
		110	5550	18.01	19.00			16.50	18.00			
		126	5630	18.05	19.00			16.50	18.00			
		134	5670	18.00	19.00			16.50	18.00			
		142	5710	18.03	19.00			16.50	18.00			
		100	5500	20.99	21.50			16.50	18.00			
	802.11ac-VHT20 MCS0	116	5580	20.91	21.50		Not Require	16.50	18.00	100.00		
		124	5620	20.86	21.50			16.50	18.00			
		132	5660	20.82	21.50			16.50	18.00			
		140	5700	20.82	21.50			16.50	18.00			
		144	5720	20.68	21.50			16.50	18.00			
		102	5510	18.05	19.00			16.50	18.00			
	802.11ac-VHT40 MCS0	110	5550	18.05	19.00		Not Require	16.50	18.00	100.00		
		126	5630	18.08	19.00			16.50	18.00			
		134	5670	18.03	19.00			16.50	18.00			
		142	5710	18.05	19.00			16.50	18.00			
		106	5530	18.62	19.50			15.51	17.18			
		122	5610	18.58	19.50			15.54	17.12			
	802.11ac-VHT80 MCS0	138	5690	18.62	19.50		15.48	17.05	100.00			
		114	5570	17.17	18.00		Not Require	16.50		18.00	100.00	
		100	5500	21.07	22.00			16.50		18.00		
	116	5580	21.01	22.00	16.50			18.00				
	124	5620	20.94	21.50	16.50			18.00				
	132	5660	20.92	21.50	16.50			18.00				
	140	5700	20.89	21.50	16.50			18.00				
	802.11ax-HE20 MCS0	144	5720	20.82	21.50		Not Require	16.50	18.00	100.00		
		102	5510	18.07	19.00			16.50	18.00			
		110	5550	18.08	19.00			16.50	18.00			
		126	5630	18.11	19.00			16.50	18.00			
		134	5670	18.06	19.00			16.50	18.00			
		142	5710	18.11	19.00			16.50	18.00			
	802.11ax-HE40 MCS0	106	5530	18.69	19.50		Not Require	16.50	18.00	100.00		
		122	5610	18.63	19.50			16.50	18.00			
		138	5690	18.67	19.50			16.50	18.00			
		114	5570	17.19	18.00			Not Require	16.50		18.00	100
		100	5500	21.12	22.00				16.50		18.00	
116		5580	21.05	22.00	16.50	18.00						
124	5620	20.98	21.50	16.50	18.00							
132	5660	20.95	21.50	16.50	18.00							
140	5700	20.93	21.50	16.50	18.00							
802.11ax-HE80 MCS0	144	5720	20.86	21.50	Not Require	16.50	18.00	100.00				
	102	5510	18.08	19.00		16.50	18.00					
	110	5550	18.10	19.00		16.50	18.00					
	126	5630	18.14	19.00		16.50	18.00					
	134	5670	18.10	19.00		16.50	18.00					
	142	5710	18.15	19.00		16.50	18.00					
802.11be EHT20 MCS0	106	5530	18.74	19.50	Not Require	16.50	18.00	100.00				
	122	5610	18.70	19.50		16.50	18.00					
	138	5690	18.74	19.50		16.50	18.00					
	114	5570	17.21	18.00		Not Require	16.50		18.00	100		
	100	5500	21.12	22.00			16.50		18.00			
	116	5580	21.05	22.00			16.50		18.00			
124	5620	20.98	21.50	16.50	18.00							
132	5660	20.95	21.50	16.50	18.00							
140	5700	20.93	21.50	16.50	18.00							
802.11be EHT40 MCS0	144	5720	20.86	21.50	Not Require	16.50	18.00	100.00				
	102	5510	18.08	19.00		16.50	18.00					
	110	5550	18.10	19.00		16.50	18.00					
	126	5630	18.14	19.00		16.50	18.00					
	134	5670	18.10	19.00		16.50	18.00					
	142	5710	18.15	19.00		16.50	18.00					
802.11be EHT80 MCS0	106	5530	18.74	19.50	Not Require	16.50	18.00	100.00				
	122	5610	18.70	19.50		16.50	18.00					
	138	5690	18.74	19.50		16.50	18.00					
	114	5570	17.21	18.00		Not Require	16.50		18.00	100		
	100	5500	21.12	22.00			16.50		18.00			
	116	5580	21.05	22.00			16.50		18.00			
124	5620	20.98	21.50	16.50	18.00							
132	5660	20.95	21.50	16.50	18.00							
140	5700	20.93	21.50	16.50	18.00							

Ant 8+10				Full power for hotspot open/Close Full power for Extremity open/Close Full power for Body-worn open/Close		Receiver on for Head Open		Receiver on for Head Close		Duty Cycle %											
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %												
5.8GHz WLAN	802.11a 6Mbps	149	5745	16.66	17.50	Not Require	17.00	17.50	99.32												
		157	5785	16.63	17.50		17.00	17.50													
		165	5825	16.58	17.50		17.00	17.50													
	802.11n-HT20 MCS0	149	5745	15.68	16.50		Not Require	16.50	16.50	100.00											
		157	5785	15.70	16.50			16.50	16.50												
		165	5825	15.54	16.50			16.50	16.50												
	802.11n-HT40 MCS0	151	5755	19.89	20.50			Not Require	17.00	18.00	100.00										
		159	5795	19.82	20.50				17.00	18.00											
		149	5745	15.71	16.50				16.50	16.50											
	802.11ac-VHT20 MCS0	157	5785	15.73	16.50				Not Require	16.50	16.50	100.00									
		165	5825	15.56	16.50					16.50	16.50										
		151	5755	19.94	20.50					17.00	18.00										
	802.11ac-VHT40 MCS0	159	5795	19.87	20.50					Not Require	17.00	18.00	100.00								
		155	5775	19.46	20.00						16.24	17.15									
		149	5745	15.78	16.50						16.50	16.50									
	802.11ac-VHT80 MCS0	157	5785	15.78	16.50						Not Require	16.50	16.50	100.00							
		165	5825	15.60	16.50							16.50	16.50								
		151	5755	19.96	20.50							17.00	18.00								
	802.11ax-HE20 MCS0	159	5795	19.89	20.50							Not Require	17.00	18.00	100.00						
		155	5775	19.52	20.50								17.00	18.00							
		149	5745	15.83	16.50								16.50	16.50							
	802.11ax-HE40 MCS0	157	5785	15.83	16.50								Not Require	16.50	16.50	100.00					
		165	5825	15.63	16.50									16.50	16.50						
		151	5755	19.98	20.50									17.00	18.00						
	802.11ax-HE80 MCS0	159	5795	20.04	20.50									Not Require	17.00	18.00	100.00				
		155	5775	19.59	20.50										17.00	18.00					
		149	5745	15.83	16.50										16.50	16.50					
	802.11be EHT20 MCS0	157	5785	15.83	16.50										Not Require	16.50	16.50	100.00			
		165	5825	15.63	16.50											16.50	16.50				
		151	5755	19.98	20.50											17.00	18.00				
	802.11be EHT40 MCS0	159	5795	20.04	20.50											Not Require	17.00	18.00	100.00		
		155	5775	19.59	20.50												17.00	18.00			
		149	5745	15.83	16.50												16.50	16.50			
	802.11be EHT80 MCS0	157	5785	15.83	16.50												Not Require	16.50	16.50	100.00	
		165	5825	15.63	16.50													16.50	16.50		
		151	5755	19.98	20.50													17.00	18.00		
	802.11be EHT160 MCS0	159	5795	20.04	20.50													Not Require	17.00	18.00	100.00
		155	5775	19.59	20.50														17.00	18.00	
		149	5745	15.83	16.50														16.50	16.50	



BTBR/EDR ANT9

Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-up Limit
			1Mbps	2Mbps	3Mbps	
BR / EDR	CH 00	2402	13.28	12.27	12.27	15.00
	CH 39	2441	15.39	14.15	14.65	17.00
	CH 78	2480	15.44	14.20	14.69	17.00

BLE 1M ANT9

Mode	Channel	Frequency (MHz)	Average power (dBm)		Tune-up Limit
			1Mbps	2Mbps	
LE	CH 00	2402	8.32		10.00
	CH 19	2440	9.17		10.50
	CH 39	2480	7.98		9.50

BLE 2M ANT9

Mode	Channel	Frequency (MHz)	Average power (dBm)		Tune-up Limit
			1Mbps	2Mbps	
LE	CH 00	2402	8.45		10.00
	CH 19	2440	9.35		10.50
	CH 39	2480	8.18		9.50

BTBR/EDR

Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-up Limit
			1Mbps	2Mbps	3Mbps	
BR / EDR	CH 00	2402	10.56	9.47	9.45	12.00
	CH 39	2441	11.21	10.76	10.75	12.00
	CH 78	2480	10.80	10.16	10.15	12.00

BTBR/EDR ANT10

Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-up Limit
			1Mbps	2Mbps	3Mbps	
BR / EDR	CH 00	2402	14.68	13.24	13.26	16.00
	CH 39	2441	17.56	16.24	16.04	19.00
	CH 78	2480	17.67	16.08	16.19	19.00

BLE 1M ANT10

Mode	Channel	Frequency (MHz)	Average power (dBm)		Tune-up Limit
			1Mbps	2Mbps	
LE	CH 00	2402	6.12		7.50
	CH 19	2440	8.05		9.50
	CH 39	2480	7.20		8.50

BLE 2M ANT10

Mode	Channel	Frequency (MHz)	Average power (dBm)		Tune-up Limit
			1Mbps	2Mbps	
LE	CH 00	2402	6.15		7.50
	CH 19	2440	7.88		9.50
	CH 39	2480	7.34		8.50

BR TX BF

BTBR/EDR

Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-up Limit
			1Mbps	2Mbps	3Mbps	
BR / EDR	CH 00	2402	10.96	10.45	10.43	13.00
	CH 39	2441	12.45	10.98	10.95	13.00
	CH 78	2480	11.63	9.44	9.39	13.00

BTBR/EDR

Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-up Limit
			1Mbps	2Mbps	3Mbps	
BR / EDR	CH 00	2402	13.78	13.00	12.97	15.50
	CH 39	2441	14.89	13.88	13.86	16.50
	CH 78	2480	14.25	12.83	12.79	16.00