



Reduced DSIS Power for CA&EN-DC LTE Other PA

Table for Band 4_Ant 0. Columns include BW (MHz), Modulation, RB Start, RB Offset, Power (Ch, F.Freq, Ch, F.Freq), Time-Int. (min, sec), MPR (dB), and MPR (dB). Rows list various carrier frequencies and power levels for different antenna configurations.

Table for Band 4_Ant 1. Columns include BW (MHz), Modulation, RB Start, RB Offset, Power (Ch, F.Freq, Ch, F.Freq), Time-Int. (min, sec), MPR (dB), and MPR (dB). Rows list various carrier frequencies and power levels for different antenna configurations.

Table for Band 7_Ant 0. Columns include BW (MHz), Modulation, RB Start, RB Offset, Power (Ch, F.Freq, Ch, F.Freq), Time-Int. (min, sec), MPR (dB), and MPR (dB). Rows list various carrier frequencies and power levels for different antenna configurations.

Table for Band 7_Ant 1. Columns include BW (MHz), Modulation, RB Start, RB Offset, Power (Ch, F.Freq, Ch, F.Freq), Time-Int. (min, sec), MPR (dB), and MPR (dB). Rows list various carrier frequencies and power levels for different antenna configurations.



Reduced DSIS Power for CA&EN-DC LTE Other PA

Table for Band 4_Ant 0: Columns include BW (MHz), Modulation, RB Start, RB Offset, Power (Ch. F.Frac., Ch. F.Frac., Ch. F.Frac.), Time-Int. (min), MPR (dB), and MPR (dB). Rows list various channel configurations and power levels.

Table for Band 4_Ant 1: Columns include BW (MHz), Modulation, RB Start, RB Offset, Power (Ch. F.Frac., Ch. F.Frac., Ch. F.Frac.), Time-Int. (min), MPR (dB), and MPR (dB). Rows list various channel configurations and power levels.

Table for Band 7_Ant 0: Columns include BW (MHz), Modulation, RB Start, RB Offset, Power (Ch. F.Frac., Ch. F.Frac., Ch. F.Frac.), Time-Int. (min), MPR (dB), and MPR (dB). Rows list various channel configurations and power levels.

Table for Band 7_Ant 1: Columns include BW (MHz), Modulation, RB Start, RB Offset, Power (Ch. F.Frac., Ch. F.Frac., Ch. F.Frac.), Time-Int. (min), MPR (dB), and MPR (dB). Rows list various channel configurations and power levels.



Default Power for 5G NR

SFR (MHz)	Modulation	RS Size	RS Offset	Power			Time-up time (s)	MFR (dB)
				Low CA (F/Hz)	Mid CA (F/Hz)	High CA (F/Hz)		
n5_Ant 0								
Channel								
Frequency (MHz)								
20	PDSCH	1	1	24.42	24.39	24.33	25.5	0.0
20	PDSCH	1	33	24.47	24.42	24.35	25.5	0.0
20	PDSCH	1	104	24.24	24.21	24.15	25.5	0.0
20	PDSCH	50	0	24.06	24.02	24.00	25.5	0.0
20	PDSCH	50	28	24.25	24.20	24.15	25.5	0.0
20	PDSCH	50	100	23.95	23.90	23.85	25.5	0.0
20	PDSCH	100	0	24.17	24.14	24.10	25.5	0.0
20	CP-ICH	1	1	23.92	23.92	23.92	25.5	0.0
20	CP-ICH	1	33	24.25	24.27	24.28	25.5	0.0
20	CP-ICH	1	104	23.95	23.94	23.93	25.5	1.0
20	CP-ICH	50	0	23.92	23.92	23.92	24.5	1.0
20	CP-ICH	50	28	24.16	24.16	24.16	24.5	1.0
20	CP-ICH	50	100	23.77	23.78	23.78	24.5	1.0
20	CP-ICH	100	0	23.98	23.98	23.98	24.5	1.0
20	CP-ICH	100	28	23.95	23.98	23.97	24.5	1.0
20	MCHM	1	1	23.92	23.92	23.92	25.5	2.0
20	MCHM	1	33	24.17	24.15	24.13	25.5	2.0
Channel								
15	PDSCH	1	1	24.28	24.25	24.20	25.5	0.0
Channel								
Frequency (MHz)								
15	PDSCH	1	1	24.43	24.43	24.43	25.5	0.0
Channel								
Frequency (MHz)								
15	PDSCH	1	1	24.40	24.40	24.40	25.5	0.0

SFR (MHz)	Modulation	RS Size	RS Offset	Power			Time-up time (s)	MFR (dB)
				Low CA (F/Hz)	Mid CA (F/Hz)	High CA (F/Hz)		
n5_Ant 1								
Channel								
Frequency (MHz)								
20	PDSCH	1	1	24.53	24.51	24.44	25.5	0.0
20	PDSCH	1	33	24.62	24.57	24.53	25.5	0.0
20	PDSCH	1	104	24.42	24.37	24.33	25.5	0.0
20	PDSCH	50	0	24.06	24.06	24.03	25.5	0.0
20	PDSCH	50	28	24.25	24.20	24.15	25.5	0.0
20	PDSCH	50	100	23.94	23.91	23.91	25.5	0.0
20	PDSCH	100	0	24.08	24.17	24.16	25.5	0.0
20	CP-ICH	1	1	24.01	24.01	24.01	25.5	0.0
20	CP-ICH	1	33	24.41	24.50	24.52	25.5	0.0
20	CP-ICH	1	104	24.61	24.61	24.61	25.5	1.0
20	CP-ICH	50	0	24.09	24.11	24.12	24.5	1.0
20	CP-ICH	50	28	24.24	24.24	24.24	24.5	1.0
20	CP-ICH	50	100	23.93	23.98	23.98	24.5	1.0
20	CP-ICH	100	0	23.91	23.92	23.92	24.5	1.0
20	CP-ICH	100	28	24.01	23.99	23.99	24.5	1.0
20	MCHM	1	1	23.92	23.92	23.92	25.5	2.0
20	MCHM	1	33	24.15	24.17	24.14	25.5	2.0
Channel								
15	PDSCH	1	1	24.44	24.45	24.43	25.5	0.0
Channel								
Frequency (MHz)								
15	PDSCH	1	1	24.44	24.45	24.44	25.5	0.0
Channel								
Frequency (MHz)								
15	PDSCH	1	1	24.46	24.46	24.46	25.5	0.0

SFR (MHz)	Modulation	RS Size	RS Offset	Power			Time-up time (s)	MFR (dB)
				Low CA (F/Hz)	Mid CA (F/Hz)	High CA (F/Hz)		
n7_Ant 0								
Channel								
Frequency (MHz)								
40	PDSCH	1	1	21.76	21.80	21.84	23.0	0.0
40	PDSCH	1	104	21.76	21.72	21.75	23.0	0.0
40	PDSCH	1	204	21.84	21.77	21.72	23.0	0.0
40	PDSCH	100	0	21.68	21.68	21.68	22.5	0.0
40	PDSCH	100	34	21.66	21.73	21.65	23.0	0.0
40	PDSCH	100	100	21.74	21.72	21.70	22.5	0.0
40	PDSCH	200	0	21.72	21.62	21.58	22.5	0.0
40	CP-ICH	1	1	21.72	21.72	21.72	23.0	0.0
40	CP-ICH	1	104	21.67	21.77	21.82	23.0	0.0
40	CP-ICH	1	204	21.62	21.64	21.72	23.0	0.0
40	CP-ICH	100	0	21.72	21.72	21.72	22.0	1.0
40	CP-ICH	100	34	21.72	21.76	21.73	22.0	1.0
40	CP-ICH	100	100	21.68	21.68	21.68	22.0	1.0
40	CP-ICH	200	0	21.68	21.68	21.68	22.0	1.0
40	CP-ICH	200	34	21.72	21.68	21.65	22.0	1.0
40	MCHM	1	1	21.62	21.62	21.62	25.5	2.0
40	MCHM	1	104	21.74	21.74	21.74	25.5	2.0
Channel								
30	PDSCH	1	1	21.65	21.74	21.65	23.0	0.0
Channel								
Frequency (MHz)								
30	PDSCH	1	1	21.72	21.72	21.72	23.0	0.0
Channel								
Frequency (MHz)								
30	PDSCH	1	1	21.72	21.76	21.66	23.0	0.0
Channel								
Frequency (MHz)								
30	PDSCH	1	1	21.82	21.77	21.80	23.0	0.0
Channel								
Frequency (MHz)								
30	PDSCH	1	1	21.76	21.76	21.76	23.0	0.0
Channel								
Frequency (MHz)								
30	PDSCH	1	1	21.68	21.78	21.61	23.0	0.0



n7_Ant 1										
BSF (MHz)	Modulation	RS Size	RS Offset	Power Low Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Power High Freq. (MHz)	Time-up Int. (sec)	MFR (Hz)		
Channel										
Frequency (MHz)										
40	PI2-BPSK	1	1	22.21	22.22	22.22				
40	PI2-BPSK	1	100	22.75	22.75	22.75	24.0	0.0		
40	PI2-BPSK	1	204	22.15	22.22	22.22				
40	PI2-BPSK	100	0	22.06	22.11	22.11	22.5	0.0		
40	PI2-BPSK	100	54	22.14	22.17	22.17	22.5	0.0		
40	PI2-BPSK	100	100	22.02	22.02	22.02	22.5	0.0		
40	PI2-BPSK	210	0	22.02	22.02	22.02	22.5	0.0		
40	QPSK	1	1	22.22	22.22	22.22				
40	QPSK	1	100	22.11	22.11	22.11	24.0	0.0		
40	QPSK	1	204	22.01	22.01	22.01				
40	QPSK	100	0	21.87	21.74	21.74	22.0	1.0		
40	QPSK	100	54	22.14	22.24	22.24	22.0	1.0		
40	QPSK	100	100	21.82	21.78	21.78	22.0	1.0		
40	QPSK	210	0	21.77	21.68	21.68	22.0	1.0		
40	MSK-M	1	1	21.02	21.12	21.12	20.0	1.0		
40	MSK-M	1	1	21.48	21.70	21.46	21.0	2.0		
40	MSK-M	1	1	21.02	21.07	21.07	19.0	0.0		
Channel										
10	PI2-BPSK	1	1	22.12	22.25	21.84	24.0	0.0		
Channel										
10	PI2-BPSK	1	1	22.14	22.11	22.11	24.0	0.0		
Channel										
10	PI2-BPSK	1	1	22.16	22.21	22.26	24.0	0.0		
Channel										
10	PI2-BPSK	1	1	22.21	22.19	22.24	24.0	0.0		
Channel										
10	PI2-BPSK	1	1	22.11	22.15	22.27	24.0	0.0		
Channel										
5	PI2-BPSK	1	1	22.13	22.17	22.20	24.0	0.0		

n7_Ant 2										
BSF (MHz)	Modulation	RS Size	RS Offset	Power Low Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Power High Freq. (MHz)	Time-up Int. (sec)	MFR (Hz)		
Channel										
Frequency (MHz)										
40	PI2-BPSK	1	1	24.03	24.03	24.03				
40	PI2-BPSK	1	100	24.11	24.11	24.11	25.5	0.0		
40	PI2-BPSK	1	214	24.12	24.04	24.14				
40	PI2-BPSK	100	0	24.15	24.18	24.14	25.0	0.0		
40	PI2-BPSK	100	54	24.15	24.27	24.15	25.0	0.0		
40	PI2-BPSK	100	100	24.04	24.14	24.11	25.0	0.0		
40	PI2-BPSK	210	0	24.15	24.21	24.11	25.0	0.0		
40	QPSK	1	1	24.11	24.11	24.11				
40	QPSK	1	100	24.10	24.21	24.17	25.0	0.0		
40	QPSK	1	204	24.01	24.01	24.01				
40	QPSK	100	0	23.48	23.59	23.49	24.0	1.0		
40	QPSK	100	54	24.01	24.11	24.02	24.0	1.0		
40	QPSK	100	100	23.55	23.63	23.58	24.0	1.0		
40	QPSK	210	0	23.58	23.71	23.54	24.0	1.0		
40	MSK-M	1	1	23.09	24.01	23.09	24.0	1.0		
40	MSK-M	1	1	23.24	23.45	23.30	23.0	0.0		
40	MSK-M	1	1	23.10	23.10	23.10	23.0	0.0		
Channel										
30	PI2-BPSK	1	1	24.02	24.21	24.19	25.0	0.0		
Channel										
30	PI2-BPSK	1	1	24.03	24.03	24.03	25.0	0.0		
Channel										
30	PI2-BPSK	1	1	24.04	24.24	24.11	25.0	0.0		
Channel										
15	PI2-BPSK	1	1	24.00	24.00	24.00	25.0	0.0		
Channel										
15	PI2-BPSK	1	1	24.07	24.06	24.07	25.0	0.0		
Channel										
5	PI2-BPSK	1	1	24.08	24.30	24.27	25.0	0.0		

n7_Ant 3										
BSF (MHz)	Modulation	RS Size	RS Offset	Power Low Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Power High Freq. (MHz)	Time-up Int. (sec)	MFR (Hz)		
Channel										
Frequency (MHz)										
40	PI2-BPSK	1	1	24.79	24.80	24.79				
40	PI2-BPSK	1	100	24.75	24.85	24.75	25.2	0.0		
40	PI2-BPSK	1	204	24.68	24.80	24.67				
40	PI2-BPSK	100	0	24.67	24.68	24.68	24.7	0.0		
40	PI2-BPSK	100	54	24.61	24.65	24.61	25.2	0.0		
40	PI2-BPSK	100	100	24.74	24.73	24.74	24.7	0.0		
40	PI2-BPSK	210	0	24.70	24.62	24.60	24.7	0.0		
40	QPSK	1	1	24.72	24.72	24.72				
40	QPSK	1	100	24.68	24.68	24.67	25.2	0.0		
40	QPSK	1	204	24.71	24.61	24.60				
40	QPSK	100	0	24.60	24.64	24.60	24.2	1.0		
40	QPSK	100	54	24.64	24.64	24.64	24.2	1.0		
40	QPSK	100	100	24.72	24.61	24.62	24.2	1.0		
40	QPSK	210	0	24.60	24.76	24.60	24.2	1.0		
40	MSK-M	1	1	24.03	24.14	24.03	24.2	1.0		
40	MSK-M	1	1	24.01	24.44	24.01	24.2	2.0		
40	MSK-M	1	1	24.01	24.01	24.01	23.0	0.0		
Channel										
10	PI2-BPSK	1	1	24.65	24.74	24.65	25.2	0.0		
Channel										
10	PI2-BPSK	1	1	24.66	24.74	24.65	25.2	0.0		
Channel										
10	PI2-BPSK	1	1	24.71	24.71	24.71	25.0	0.0		
Channel										
10	PI2-BPSK	1	1	24.70	24.60	24.70	25.2	0.0		
Channel										
15	PI2-BPSK	1	1	24.61	24.60	24.60	25.2	0.0		
Channel										
15	PI2-BPSK	1	1	24.65	24.65	24.65	25.0	0.0		
Channel										
5	PI2-BPSK	1	1	24.64	24.67	24.62	25.2	0.0		



n38_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 518004	Power Middle Ch. / Freq. 519000	Power High Ch. / Freq. 519996	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PV2 BPSK	1	1	22.15	22.32	22.06			
40	PV2 BPSK	1	53	22.16	22.14	22.11	23.0	0.0	
40	PV2 BPSK	1	104	22.16	22.10	22.03			
40	PV2 BPSK	50	0	22.94	22.07	22.04	22.5	0.5	
40	PV2 BPSK	50	28	22.04	22.08	22.06	23.0	0.0	
40	PV2 BPSK	50	56	21.62	21.39	21.49	22.5	0.5	
40	PV2 BPSK	100	0	21.60	21.67	21.54			
40	QPSK	1	1	22.06	22.12	22.06			
40	QPSK	1	53	22.01	22.21	22.13	23.0	0.0	
40	QPSK	1	104	22.06	22.13	21.98			
40	QPSK	50	0	21.45	21.61	21.47			
40	QPSK	50	28	22.09	22.17	21.98	23.0	0.0	
40	QPSK	50	56	21.03	21.05	21.01			
40	QPSK	100	0	20.86	20.88	20.74	22.0	1.0	
40	16QAM	1	1	20.94	20.98	20.84	22.0	1.0	
40	64QAM	1	1	19.95	20.09	20.07	20.5	2.5	
40	256QAM	1	1	17.74	17.82	17.78	18.5	4.5	
Channel									
Frequency (MHz)									
30	PV2 BPSK	1	1	22.14	22.16	22.06	23.0	0.0	
Channel									
Frequency (MHz)									
20	PV2 BPSK	1	1	22.16	22.25	22.02	23.0	0.0	
Channel									
Frequency (MHz)									
15	PV2 BPSK	1	1	22.08	22.23	21.93	23.0	0.0	
Channel									
Frequency (MHz)									
10	PV2 BPSK	1	1	22.02	22.29	21.96	23.0	0.0	

n38_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 518004	Power Middle Ch. / Freq. 519000	Power High Ch. / Freq. 519996	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PV2 BPSK	1	1	22.78	22.50	22.69			
40	PV2 BPSK	1	53	22.71	22.75	22.81	24.0	0.0	
40	PV2 BPSK	1	104	22.71	22.70	22.80			
40	PV2 BPSK	50	0	22.91	22.93	22.94	23.5	0.5	
40	PV2 BPSK	50	28	22.47	22.55	22.49	24.0	0.0	
40	PV2 BPSK	50	56	22.49	22.52	22.48	23.5	0.5	
40	PV2 BPSK	100	0	21.96	22.48	21.52			
40	QPSK	1	1	22.67	22.67	22.64			
40	QPSK	1	53	22.55	22.50	22.49	24.0	0.0	
40	QPSK	1	104	22.36	22.24	22.44			
40	QPSK	50	0	22.43	22.68	22.57			
40	QPSK	50	28	22.54	22.68	22.50	24.0	0.0	
40	QPSK	50	56	22.58	22.75	22.54			
40	QPSK	100	0	21.92	21.71	21.53	23.0	1.0	
40	16QAM	1	1	21.44	21.44	21.50	23.0	1.0	
40	64QAM	1	1	20.48	20.68	20.54	21.5	2.5	
40	256QAM	1	1	18.15	18.24	18.18	19.5	4.5	
Channel									
Frequency (MHz)									
30	PV2 BPSK	1	1	22.75	22.77	22.84	24.0	0.0	
Channel									
Frequency (MHz)									
20	PV2 BPSK	1	1	22.79	22.78	22.72	24.0	0.0	
Channel									
Frequency (MHz)									
15	PV2 BPSK	1	1	22.70	22.75	22.81	24.0	0.0	
Channel									
Frequency (MHz)									
10	PV2 BPSK	1	1	22.75	22.78	22.87	24.0	0.0	

n38_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 518004	Power Middle Ch. / Freq. 519000	Power High Ch. / Freq. 519996	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PV2 BPSK	1	1	24.44	24.07	24.51			
40	PV2 BPSK	1	53	24.46	24.44	24.47	25.0	0.0	
40	PV2 BPSK	1	104	24.45	24.53	24.55			
40	PV2 BPSK	50	0	24.37	24.36	24.27	24.5	0.5	
40	PV2 BPSK	50	28	24.33	24.45	24.38	25.0	0.5	
40	PV2 BPSK	50	56	24.33	24.33	24.32	24.5	0.5	
40	PV2 BPSK	100	0	24.12	24.37	24.10			
40	QPSK	1	1	24.44	24.34	24.35			
40	QPSK	1	53	24.39	24.33	24.36	25.0	0.0	
40	QPSK	1	104	24.41	24.39	24.40			
40	QPSK	50	0	24.39	24.42	24.35			
40	QPSK	50	28	24.39	24.40	24.42	25.0	0.0	
40	QPSK	50	56	24.34	24.44	24.41			
40	QPSK	100	0	23.43	23.34	23.51	24.0	1.0	
40	16QAM	1	1	23.84	23.98	23.92	24.0	1.0	
40	64QAM	1	1	22.89	22.48	22.41	22.5	2.5	
40	256QAM	1	1	20.48	20.42	20.48	20.5	4.5	
Channel									
Frequency (MHz)									
30	PV2 BPSK	1	1	24.87	24.82	24.96	25.0	0.0	
Channel									
Frequency (MHz)									
20	PV2 BPSK	1	1	24.50	24.54	24.56	25.0	0.0	
Channel									
Frequency (MHz)									
15	PV2 BPSK	1	1	24.34	24.61	24.46	25.0	0.0	
Channel									
Frequency (MHz)									
10	PV2 BPSK	1	1	24.41	24.65	24.41	25.0	0.0	



n38_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Turn-up lim (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PV2 BPSK	1	1	24.50	24.65	24.49			
40	PV2 BPSK	1	53	24.53	24.54	24.49	25.5	0.0	
40	PV2 BPSK	1	104	24.60	24.49	24.56			
40	PV2 BPSK	50	9	24.41	24.45	24.36	25.0	0.5	
40	PV2 BPSK	50	28	24.57	24.58	24.56	25.5	0.0	
40	PV2 BPSK	50	56	24.31	24.33	24.27	25.0	0.5	
40	PV2 BPSK	100	9	23.91	23.94	23.92			
40	QPSK	1	1	24.49	24.52	24.49			
40	QPSK	1	53	24.20	24.29	24.11	25.5	0.0	
40	QPSK	1	104	23.99	24.08	23.91			
40	QPSK	50	9	23.39	23.55	23.38	25.5	0.0	
40	QPSK	50	28	24.14	24.34	24.16			
40	QPSK	50	56	23.36	23.46	23.23			
40	QPSK	100	9	23.30	23.41	23.25	24.5	1.0	
40	16QAM	1	1	23.29	23.43	23.25	24.5	1.0	
40	64QAM	1	1	22.22	22.20	22.08	23.0	2.5	
40	256QAM	1	1	19.83	20.02	19.79	21.0	4.5	
Channel									
Frequency (MHz)									
30	PV2 BPSK	1	1	24.40	24.63	24.36	25.5	0.0	
Channel									
Frequency (MHz)									
20	PV2 BPSK	1	1	24.42	24.47	24.38	25.5	0.0	
Channel									
Frequency (MHz)									
15	PV2 BPSK	1	1	24.53	24.63	24.46	25.5	0.0	
Channel									
Frequency (MHz)									
10	PV2 BPSK	1	1	24.46	24.63	24.39	25.5	0.0	

n41_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Turn-up lim (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PV2 BPSK	1	1	21.96	22.08	21.95			
100	PV2 BPSK	1	137	22.02	22.06	22.04	23.0	0.0	
100	PV2 BPSK	1	271	21.97	21.99	21.96			
100	PV2 BPSK	135	9	21.71	21.73	21.73	22.5	0.5	
100	PV2 BPSK	135	69	21.72	21.85	21.73	23.0	0.0	
100	PV2 BPSK	135	138	21.48	21.55	21.46	22.5	0.5	
100	PV2 BPSK	270	9	21.19	21.41	21.26			
100	QPSK	1	1	21.92	22.01	21.84			
100	QPSK	1	137	21.93	22.07	21.90	23.0	0.0	
100	QPSK	1	271	21.93	22.04	21.97			
100	QPSK	135	9	21.97	22.03	21.95			
100	QPSK	135	69	21.87	22.03	21.88	23.0	0.0	
100	QPSK	135	138	21.02	21.02	21.03			
100	QPSK	270	9	20.96	21.00	20.99	22.0	1.0	
100	16QAM	1	1	20.87	21.09	20.93	22.0	1.0	
100	64QAM	1	1	19.55	19.68	19.55	20.5	2.5	
100	256QAM	1	1	17.08	17.73	17.73	18.5	4.5	
Channel									
Frequency (MHz)									
90	PV2 BPSK	1	1	21.91	22.05	21.83	23.0	0.0	
Channel									
Frequency (MHz)									
80	PV2 BPSK	1	1	21.96	22.05	21.83	23.0	0.0	
Channel									
Frequency (MHz)									
70	PV2 BPSK	1	1	21.84	22.03	21.90	23.0	0.0	
Channel									
Frequency (MHz)									
60	PV2 BPSK	1	1	21.87	22.06	21.83	23.0	0.0	
Channel									
Frequency (MHz)									
50	PV2 BPSK	1	1	21.91	22.01	21.85	23.0	0.0	
Channel									
Frequency (MHz)									
40	PV2 BPSK	1	1	21.96	22.07	22.00	23.0	0.0	
Channel									
Frequency (MHz)									
30	PV2 BPSK	1	1	21.84	22.04	21.95	23.0	0.0	
Channel									
Frequency (MHz)									
20	PV2 BPSK	1	1	21.92	22.04	21.87	23.0	0.0	

n41_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Turn-up lim (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PV2 BPSK	1	1	22.83	22.83	22.83			
100	PV2 BPSK	1	137	22.58	22.54	22.36	23.5	0.0	
100	PV2 BPSK	1	271	22.90	22.49	22.94			
100	PV2 BPSK	135	9	22.31	22.33	22.31	23.0	0.5	
100	PV2 BPSK	135	69	22.32	22.34	22.31	23.5	0.0	
100	PV2 BPSK	135	138	22.13	22.23	22.01	23.0	0.5	
100	PV2 BPSK	270	9	22.24	22.33	22.26			
100	QPSK	1	1	22.55	22.60	22.61			
100	QPSK	1	137	22.51	22.48	22.34	23.5	0.0	
100	QPSK	1	271	22.40	22.40	22.46			
100	QPSK	135	9	21.95	22.00	21.84	23.5	0.0	
100	QPSK	135	69	22.40	22.48	22.42			
100	QPSK	135	138	21.81	21.83	21.72			
100	QPSK	270	9	21.73	21.84	21.84	22.5	1.0	
100	16QAM	1	1	22.28	22.40	22.27	22.5	1.0	
100	64QAM	1	1	20.66	20.75	20.69	21.0	2.5	
100	256QAM	1	1	18.48	18.59	18.45	19.0	4.5	
Channel									
Frequency (MHz)									
90	PV2 BPSK	1	1	22.48	22.83	22.82	23.5	0.0	
Channel									
Frequency (MHz)									
80	PV2 BPSK	1	1	22.51	22.58	22.45	23.5	0.0	
Channel									
Frequency (MHz)									
70	PV2 BPSK	1	1	22.83	22.82	22.46	23.5	0.0	
Channel									
Frequency (MHz)									
60	PV2 BPSK	1	1	22.83	22.87	22.41	23.5	0.0	
Channel									
Frequency (MHz)									
50	PV2 BPSK	1	1	22.49	22.56	22.48	23.5	0.0	
Channel									
Frequency (MHz)									
40	PV2 BPSK	1	1	22.46	22.51	22.53	23.5	0.0	
Channel									
Frequency (MHz)									
30	PV2 BPSK	1	1	22.83	22.85	22.48	23.5	0.0	
Channel									
Frequency (MHz)									
20	PV2 BPSK	1	1	22.43	22.54	22.45	23.5	0.0	



n41_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Med. Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	24.11	24.25	24.13			
100	PI2 BPSK	1	137	24.07	24.08	24.00	25.0	0.0	
100	PI2 BPSK	1	271	24.10	24.12	24.02			
100	PI2 BPSK	135	9	23.71	23.68	23.60	24.5	0.5	
100	PI2 BPSK	135	69	24.02	24.17	24.03	25.0	0.0	
100	PI2 BPSK	135	138	23.88	23.61	23.51	24.5	0.5	
100	PI2 BPSK	270	0	23.52	23.53	23.50			
100	QPSK	1	1	24.08	24.19	24.14			
100	QPSK	1	137	24.07	24.13	24.02	25.0	0.0	
100	QPSK	1	271	24.03	24.14	24.03			
100	QPSK	135	9	23.00	23.03	23.02			
100	QPSK	135	69	24.00	24.12	23.99	25.0	0.0	
100	QPSK	135	138	23.02	23.04	23.05			
100	QPSK	270	0	23.93	23.07	22.98	24.0	1.0	
100	16QAM	1	1	23.29	23.31	23.19	24.0	1.0	
100	64QAM	1	1	21.84	21.88	21.82	22.5	2.5	
100	256QAM	1	1	19.32	19.68	19.62	20.5	4.5	
Channel									
Frequency (MHz)									
80	PI2 BPSK	1	1	24.11	24.25	24.13	limit	MPR	
Channel									
Frequency (MHz)									
80	PI2 BPSK	1	1	24.13	24.19	24.17	25.0	0.0	
Channel									
Frequency (MHz)									
70	PI2 BPSK	1	1	24.18	24.22	24.15	25.0	0.0	
Channel									
Frequency (MHz)									
60	PI2 BPSK	1	1	24.19	24.22	24.13	25.0	0.0	
Channel									
Frequency (MHz)									
60	PI2 BPSK	1	1	24.19	24.22	24.13	25.0	0.0	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	24.12	24.13	24.17	25.0	0.0	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	24.22	24.24	24.08	25.0	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	24.17	24.16	24.08	25.0	0.0	

n41_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Med. Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	24.45	24.54	24.21			
100	PI2 BPSK	1	137	24.33	24.40	24.11	25.5	0.0	
100	PI2 BPSK	1	271	24.26	24.24	24.21			
100	PI2 BPSK	135	9	23.89	23.86	23.79	25.0	0.5	
100	PI2 BPSK	135	69	24.10	24.25	24.12	25.5	0.0	
100	PI2 BPSK	135	138	23.53	23.52	23.51	25.0	0.5	
100	PI2 BPSK	270	0	23.68	23.78	23.53			
100	QPSK	1	1	24.28	24.35	24.31			
100	QPSK	1	137	24.20	24.23	24.18	25.5	0.0	
100	QPSK	1	271	24.04	24.18	24.10			
100	QPSK	135	9	23.57	23.54	23.56			
100	QPSK	135	69	24.04	24.20	24.12	25.5	0.0	
100	QPSK	135	138	23.58	23.56	23.57			
100	QPSK	270	0	23.03	23.18	23.03	24.5	1.0	
100	16QAM	1	1	23.58	23.67	23.51	24.5	1.0	
100	64QAM	1	1	21.90	22.03	21.94	23.0	2.5	
100	256QAM	1	1	19.70	19.82	19.83	21.0	4.5	
Channel									
Frequency (MHz)									
80	PI2 BPSK	1	1	24.41	24.48	24.26	25.5	0.0	
Channel									
Frequency (MHz)									
80	PI2 BPSK	1	1	24.37	24.49	24.24	25.5	0.0	
Channel									
Frequency (MHz)									
70	PI2 BPSK	1	1	24.44	24.49	24.20	25.5	0.0	
Channel									
Frequency (MHz)									
60	PI2 BPSK	1	1	24.44	24.52	24.24	25.5	0.0	
Channel									
Frequency (MHz)									
50	PI2 BPSK	1	1	24.37	24.44	24.32	25.5	0.0	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	24.30	24.42	24.20	25.5	0.0	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	24.46	24.50	24.28	25.5	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	24.38	24.42	24.32	25.5	0.0	

Par27Q n77_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Med. Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1			24.48			
100	PI2 BPSK	1	137			24.45	25.5	0.0	
100	PI2 BPSK	1	271			24.34			
100	PI2 BPSK	135	9			23.92	25.0	0.5	
100	PI2 BPSK	135	69			24.45	25.5	0.0	
100	PI2 BPSK	135	138			23.84	25.0	0.5	
100	PI2 BPSK	270	0			23.90			
100	QPSK	1	1			24.43			
100	QPSK	1	137			24.42	25.5	0.0	
100	QPSK	1	271			24.40			
100	QPSK	135	9			23.84			
100	QPSK	135	69			24.40	25.5	0.0	
100	QPSK	135	138			23.35			
100	QPSK	270	0			23.41	24.5	1.0	
100	16QAM	1	1			23.65	24.6	1.0	
100	64QAM	1	1			22.08	23.0	2.5	
100	256QAM	1	1			19.62	21.0	4.5	
Channel									
Frequency (MHz)									
80	PI2 BPSK	1	1	24.34	24.35	24.32	25.5	0.0	
Channel									
Frequency (MHz)									
80	PI2 BPSK	1	1	24.30	24.40	24.32	25.5	0.0	
Channel									
Frequency (MHz)									
70	PI2 BPSK	1	1	24.36	24.37	24.33	25.5	0.0	
Channel									
Frequency (MHz)									
60	PI2 BPSK	1	1	24.30	24.42	24.38	25.5	0.0	
Channel									
Frequency (MHz)									
50	PI2 BPSK	1	1	24.34	24.41	24.29	25.5	0.0	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	24.30	24.40	24.30	25.5	0.0	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	24.30	24.40	24.34	25.5	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	24.32	24.44	24.34	25.5	0.0	
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1	24.34	24.45	24.30	25.5	0.0	
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1	24.40	24.41	24.38	25.5	0.0	



Par270 n77_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. 65000	Power High Ch./Freq. 66000	Power High Ch./Freq. 66200	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pi2 BPSK	1	1	23.90	23.91	23.74			
100	Pi2 BPSK	1	137	23.77	23.88	23.75	25.5	0.0	
100	Pi2 BPSK	1	271	23.68	23.76	23.61			
100	Pi2 BPSK	135	9	23.28	23.32	23.14	25.0	0.5	
100	Pi2 BPSK	135	69	23.70	23.79	23.67	25.5	0.0	
100	Pi2 BPSK	135	138	23.14	23.20	23.08	25.0	0.5	
100	Pi2 BPSK	270	0	23.16	23.22	23.09			
100	QPSK	1	1	23.85	23.88	23.74			
100	QPSK	1	137	23.81	23.84	23.63	25.5	0.0	
100	QPSK	1	271	23.73	23.77	23.60			
100	QPSK	135	9	22.60	22.73	22.59			
100	QPSK	135	69	23.64	23.74	23.65	25.5	0.0	
100	QPSK	135	138	22.85	22.83	22.46			
100	QPSK	270	0	22.64	22.71	22.53	24.5	1.0	
100	16QAM	1	1	23.02	23.08	22.92	24.5	1.0	
100	64QAM	1	1	21.45	21.53	21.33	23.0	2.5	
100	256QAM	1	1	15.17	15.23	15.03	21.0	4.5	
Channel									
Frequency (MHz)									
90	Pi2 BPSK	1	1	23.87	23.80	23.71	25.5	0.0	
Channel									
Frequency (MHz)									
80	Pi2 BPSK	1	1	23.79	23.84	23.69	25.5	0.0	
Channel									
Frequency (MHz)									
70	Pi2 BPSK	1	1	23.85	23.80	23.62	25.5	0.0	
Channel									
Frequency (MHz)									
60	Pi2 BPSK	1	1	23.80	23.83	23.69	25.5	0.0	
Channel									
Frequency (MHz)									
50	Pi2 BPSK	1	1	23.95	23.79	23.63	25.5	0.0	
Channel									
Frequency (MHz)									
40	Pi2 BPSK	1	1	23.86	23.89	23.61	25.5	0.0	
Channel									
Frequency (MHz)									
30	Pi2 BPSK	1	1	23.86	23.89	23.61	25.5	0.0	
Channel									
Frequency (MHz)									
20	Pi2 BPSK	1	1	23.86	23.84	23.64	25.5	0.0	
Channel									
Frequency (MHz)									
15	Pi2 BPSK	1	1	23.86	23.81	23.66	25.5	0.0	
Channel									
Frequency (MHz)									
10	Pi2 BPSK	1	1	23.83	23.83	23.71	25.5	0.0	

Par27Q n77_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. 63334	Power High Ch./Freq. 63334	Power High Ch./Freq. 63001	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pi2 BPSK	1	1	24.34					
100	Pi2 BPSK	1	137	24.31			25.7	0.0	
100	Pi2 BPSK	1	271	24.32					
100	Pi2 BPSK	135	0	23.69			25.2	0.5	
100	Pi2 BPSK	135	69	24.28			25.7	0.0	
100	Pi2 BPSK	135	138	23.94			25.2	0.5	
100	Pi2 BPSK	270	0	23.77					
100	QPSK	1	1	24.30					
100	QPSK	1	137	24.32			25.7	0.0	
100	QPSK	1	271	24.31					
100	QPSK	135	0	23.11					
100	QPSK	135	69	24.23			25.7	0.0	
100	QPSK	135	138	23.18			24.7	1.0	
100	QPSK	270	0	23.24			24.7	1.0	
100	16QAM	1	1	23.30			24.7	1.0	
100	64QAM	1	1	21.73			23.2	2.5	
100	256QAM	1	1	15.47			21.2	4.5	
Channel									
Frequency (MHz)									
90	Pi2 BPSK	1	1	24.25	24.26	24.14	25.7	0.0	
Channel									
Frequency (MHz)									
80	Pi2 BPSK	1	1	24.24	24.30	24.15	25.7	0.0	
Channel									
Frequency (MHz)									
70	Pi2 BPSK	1	1	24.22	24.31	24.22	25.7	0.0	
Channel									
Frequency (MHz)									
60	Pi2 BPSK	1	1	24.19	24.33	24.24	25.7	0.0	
Channel									
Frequency (MHz)									
50	Pi2 BPSK	1	1	24.18	24.31	24.21	25.7	0.0	
Channel									
Frequency (MHz)									
40	Pi2 BPSK	1	1	24.12	24.25	24.16	25.7	0.0	
Channel									
Frequency (MHz)									
30	Pi2 BPSK	1	1	24.22	24.29	24.19	25.7	0.0	
Channel									
Frequency (MHz)									
20	Pi2 BPSK	1	1	24.17	24.26	24.13	25.7	0.0	
Channel									
Frequency (MHz)									
15	Pi2 BPSK	1	1	24.19	24.30	24.18	25.7	0.0	
Channel									
Frequency (MHz)									
10	Pi2 BPSK	1	1	24.26	24.22	24.18	25.7	0.0	

Par270 n77_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. 65000	Power High Ch./Freq. 66000	Power High Ch./Freq. 66200	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pi2 BPSK	1	1	23.98	24.03	23.90			
100	Pi2 BPSK	1	137	23.82	24.01	23.86	25.7	0.0	
100	Pi2 BPSK	1	271	23.99	23.96	23.96			
100	Pi2 BPSK	135	9	23.44	23.97	23.97	25.2	0.5	
100	Pi2 BPSK	135	69	23.93	23.97	23.96	25.7	0.0	
100	Pi2 BPSK	135	138	23.72	23.48	23.62	25.2	0.5	
100	Pi2 BPSK	270	0	23.33	23.40	23.32			
100	QPSK	1	1	23.69	23.60	23.75			
100	QPSK	1	137	23.84	24.02	23.91	25.7	0.0	
100	QPSK	1	271	23.94	23.99	23.92			
100	QPSK	135	9	23.50	23.85	23.89			
100	QPSK	135	69	23.80	23.91	23.89	25.7	0.0	
100	QPSK	135	138	23.70	23.88	23.75			
100	QPSK	270	0	22.76	22.77	22.74	24.7	1.0	
100	16QAM	1	1	22.78	22.91	22.90	24.7	1.0	
100	64QAM	1	1	21.52	21.66	21.54	23.2	2.5	
100	256QAM	1	1	15.38	15.43	15.42	21.2	4.5	
Channel									
Frequency (MHz)									
90	Pi2 BPSK	1	1	23.87	23.90	23.86	25.7	0.0	
Channel									
Frequency (MHz)									
80	Pi2 BPSK	1	1	23.92	23.97	23.88	25.7	0.0	
Channel									
Frequency (MHz)									
70	Pi2 BPSK	1	1	23.95	23.94	23.84	25.7	0.0	
Channel									
Frequency (MHz)									
60	Pi2 BPSK	1	1	23.97	23.92	23.84	25.7	0.0	
Channel									
Frequency (MHz)									
50	Pi2 BPSK	1	1	23.95	23.92	23.81	25.7	0.0	
Channel									
Frequency (MHz)									
40	Pi2 BPSK	1	1	23.90	23.97	23.87	25.7	0.0	
Channel									
Frequency (MHz)									
30	Pi2 BPSK	1	1	23.97	23.99	23.82	25.7	0.0	
Channel									
Frequency (MHz)									
20	Pi2 BPSK	1	1	23.87	24.01	23.78	25.7	0.0	
Channel									
Frequency (MHz)									
15	Pi2 BPSK	1	1	23.89	23.94	23.85	25.7	0.0	
Channel									
Frequency (MHz)									
10	Pi2 BPSK	1	1	23.85	24.00	23.80	25.7	0.0	



Par27Q n77_Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pi2 BPSK	1	1	24.57					
100	Pi2 BPSK	1	137	24.48			25.5	0.0	
100	Pi2 BPSK	1	271	24.51					
100	Pi2 BPSK	135	9	23.99			25.0	0.5	
100	Pi2 BPSK	135	69	24.53			25.5	0.0	
100	Pi2 BPSK	135	138	23.93			25.0	0.5	
100	Pi2 BPSK	270	0	23.87					
100	QPSK	1	1	24.49					
100	QPSK	1	137	24.44			25.5	0.0	
100	QPSK	1	271	24.47					
100	QPSK	135	9	23.97					
100	QPSK	135	69	24.51			25.5	0.0	
100	QPSK	135	138	24.33					
100	QPSK	270	0	23.33			24.5	1.0	
100	16QAM	1	1	23.67			24.5	1.0	
100	64QAM	1	1	22.11			23.0	2.5	
100	256QAM	1	1	19.37			21.0	4.5	
Channel									
Frequency (MHz)									
90	Pi2 BPSK	1	1	24.43	24.50	24.37	25.5	0.0	
Channel									
Frequency (MHz)									
80	Pi2 BPSK	1	1	24.43	24.46	24.29	25.5	0.0	
Channel									
Frequency (MHz)									
70	Pi2 BPSK	1	1	24.48	24.50	24.41	25.5	0.0	
Channel									
Frequency (MHz)									
60	Pi2 BPSK	1	1	24.46	24.45	24.20	25.5	0.0	
Channel									
Frequency (MHz)									
50	Pi2 BPSK	1	1	24.49	24.14	24.44	25.5	0.0	
Channel									
Frequency (MHz)									
40	Pi2 BPSK	1	1	24.44	24.51	24.21	25.5	0.0	
Channel									
Frequency (MHz)									
30	Pi2 BPSK	1	1	24.34	24.45	24.21	25.5	0.0	
Channel									
Frequency (MHz)									
20	Pi2 BPSK	1	1	24.45	24.52	24.22	25.5	0.0	
Channel									
Frequency (MHz)									
15	Pi2 BPSK	1	1	24.42	24.45	24.45	25.5	0.0	
Channel									
Frequency (MHz)									
10	Pi2 BPSK	1	1	24.46	24.58	24.46	25.5	0.0	

Par27Q n77_Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pi2 BPSK	1	1	23.95	24.04	24.02			
100	Pi2 BPSK	1	137	23.86	23.93	23.94	25.5	0.0	
100	Pi2 BPSK	1	271	23.95	24.02	23.97			
100	Pi2 BPSK	135	9	23.16	23.28	23.24	25.0	0.5	
100	Pi2 BPSK	135	69	23.78	23.87	23.82	25.5	0.0	
100	Pi2 BPSK	135	138	23.27	23.40	23.29	25.0	0.5	
100	Pi2 BPSK	270	0	23.29	23.38	23.21			
100	QPSK	1	1	23.98	24.01	23.94			
100	QPSK	1	137	23.99	23.99	23.95	25.5	0.0	
100	QPSK	1	271	24.00	23.99	23.91			
100	QPSK	135	9	23.55	23.73	23.58			
100	QPSK	135	69	23.73	23.87	23.73	25.5	0.0	
100	QPSK	135	138	23.71	23.79	23.77			
100	QPSK	270	0	22.83	22.79	22.72	24.5	1.0	
100	16QAM	1	1	23.15	23.18	23.16	24.5	1.0	
100	64QAM	1	1	21.56	21.72	21.51	23.0	2.5	
100	256QAM	1	1	19.23	19.43	19.36	21.0	4.5	
Channel									
Frequency (MHz)									
90	Pi2 BPSK	1	1	23.87	23.99	23.98	25.5	0.0	
Channel									
Frequency (MHz)									
80	Pi2 BPSK	1	1	23.86	23.92	24.02	25.5	0.0	
Channel									
Frequency (MHz)									
70	Pi2 BPSK	1	1	23.90	24.02	23.94	25.5	0.0	
Channel									
Frequency (MHz)									
60	Pi2 BPSK	1	1	23.95	23.96	23.92	25.5	0.0	
Channel									
Frequency (MHz)									
50	Pi2 BPSK	1	1	23.91	23.95	23.92	25.5	0.0	
Channel									
Frequency (MHz)									
40	Pi2 BPSK	1	1	23.89	23.92	24.01	25.5	0.0	
Channel									
Frequency (MHz)									
30	Pi2 BPSK	1	1	23.94	23.92	23.94	25.5	0.0	
Channel									
Frequency (MHz)									
20	Pi2 BPSK	1	1	23.83	24.00	24.02	25.5	0.0	
Channel									
Frequency (MHz)									
15	Pi2 BPSK	1	1	23.92	23.99	23.99	25.5	0.0	
Channel									
Frequency (MHz)									
10	Pi2 BPSK	1	1	23.88	23.98	23.89	25.5	0.0	

Par27Q n77_Ant 7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pi2 BPSK	1	1	24.54					
100	Pi2 BPSK	1	137	24.81			25.5	0.0	
100	Pi2 BPSK	1	271	24.73					
100	Pi2 BPSK	135	9	24.97			25.0	0.5	
100	Pi2 BPSK	135	69	24.81			25.5	0.0	
100	Pi2 BPSK	135	138	24.20			25.0	0.5	
100	Pi2 BPSK	270	0	24.24					
100	QPSK	1	1	24.60					
100	QPSK	1	137	24.79			25.5	0.0	
100	QPSK	1	271	24.78					
100	QPSK	135	9	23.86					
100	QPSK	135	69	24.75			25.5	0.0	
100	QPSK	135	138	23.76					
100	QPSK	270	0	23.74			24.5	1.0	
100	16QAM	1	1	24.04			24.6	1.0	
100	64QAM	1	1	22.52			23.0	2.5	
100	256QAM	1	1	20.13			21.0	4.5	
Channel									
Frequency (MHz)									
90	Pi2 BPSK	1	1	24.74	24.77	24.65	25.5	0.0	
Channel									
Frequency (MHz)									
80	Pi2 BPSK	1	1	24.76	24.81	24.67	25.5	0.0	
Channel									
Frequency (MHz)									
70	Pi2 BPSK	1	1	24.66	24.73	24.74	25.5	0.0	
Channel									
Frequency (MHz)									
60	Pi2 BPSK	1	1	24.76	24.76	24.68	25.5	0.0	
Channel									
Frequency (MHz)									
50	Pi2 BPSK	1	1	24.71	24.75	24.65	25.5	0.0	
Channel									
Frequency (MHz)									
40	Pi2 BPSK	1	1	24.70	24.73	24.74	25.5	0.0	
Channel									
Frequency (MHz)									
30	Pi2 BPSK	1	1	24.71	24.75	24.64	25.5	0.0	
Channel									
Frequency (MHz)									
20	Pi2 BPSK	1	1	24.75	24.77	24.74	25.5	0.0	
Channel									
Frequency (MHz)									
15	Pi2 BPSK	1	1	24.68	24.71	24.72	25.5	0.0	
Channel									
Frequency (MHz)									
10	Pi2 BPSK	1	1	24.68	24.73	24.65	25.5	0.0	



Par270 n77_Ant 7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. 65000	Power Meds Ch./Freq. 66000	Power High Ch./Freq. 66200	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pi2 BPSK	1	1	24.00	24.01	23.83	25.5	0.0	
100	Pi2 BPSK	1	137	23.85	23.84	23.75	25.5	0.0	
100	Pi2 BPSK	1	271	23.71	23.81	23.66	25.5	0.0	
100	Pi2 BPSK	135	9	23.42	23.91	23.36	25.0	0.5	
100	Pi2 BPSK	135	69	23.86	23.89	23.72	25.5	0.0	
100	Pi2 BPSK	135	138	23.19	23.23	23.06	25.0	0.5	
100	Pi2 BPSK	270	0	23.34	23.37	23.20	25.0	0.5	
100	QPSK	1	1	23.88	23.98	23.79	25.5	0.0	
100	QPSK	1	137	23.88	23.95	23.83	25.5	0.0	
100	QPSK	1	271	23.78	23.86	23.70	25.5	0.0	
100	QPSK	135	9	22.95	23.00	22.81	25.0	0.0	
100	QPSK	135	69	23.73	23.84	23.69	25.5	0.0	
100	QPSK	135	138	22.84	22.74	22.62	25.0	0.0	
100	QPSK	270	0	22.80	22.84	22.66	24.8	1.0	
100	16QAM	1	1	23.17	23.24	23.06	24.5	1.0	
100	64QAM	1	1	21.56	21.74	21.56	23.0	2.5	
100	256QAM	1	1	19.40	19.48	19.32	21.0	4.5	
Channel									
Frequency (MHz)									
80	Pi2 BPSK	1	1	23.92	23.97	23.77	25.5	0.0	
Channel									
Frequency (MHz)									
80	Pi2 BPSK	1	1	23.91	23.90	23.80	25.5	0.0	
Channel									
Frequency (MHz)									
70	Pi2 BPSK	1	1	23.98	23.93	23.81	25.5	0.0	
Channel									
Frequency (MHz)									
60	Pi2 BPSK	1	1	23.94	23.91	23.81	25.5	0.0	
Channel									
Frequency (MHz)									
50	Pi2 BPSK	1	1	23.91	23.98	23.80	25.5	0.0	
Channel									
Frequency (MHz)									
40	Pi2 BPSK	1	1	23.87	23.93	23.81	25.5	0.0	
Channel									
Frequency (MHz)									
30	Pi2 BPSK	1	1	23.87	23.93	23.81	25.5	0.0	
Channel									
Frequency (MHz)									
20	Pi2 BPSK	1	1	23.95	23.97	23.80	25.5	0.0	
Channel									
Frequency (MHz)									
15	Pi2 BPSK	1	1	23.91	23.99	23.80	25.5	0.0	
Channel									
Frequency (MHz)									
10	Pi2 BPSK	1	1	23.94	23.95	23.78	25.5	0.0	

Part270Q n78_Ant 4 HPUE									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. 63000	Power Meds Ch./Freq. 63334	Power High Ch./Freq. 63668	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pi2 BPSK	1	1	24.69			26.5	0.0	
100	Pi2 BPSK	1	137	24.65			26.5	0.0	
100	Pi2 BPSK	1	271	24.56			26.0	0.5	
100	Pi2 BPSK	135	9	24.91			26.0	0.5	
100	Pi2 BPSK	135	69	24.55			26.5	0.0	
100	Pi2 BPSK	135	138	24.03			26.0	0.5	
100	Pi2 BPSK	270	0	24.07			26.0	0.5	
100	QPSK	1	1	24.88			26.5	0.0	
100	QPSK	1	137	24.80			26.5	0.0	
100	QPSK	1	271	24.96			26.5	0.0	
100	QPSK	135	9	23.51			26.5	0.0	
100	QPSK	135	69	24.62			26.5	0.0	
100	QPSK	135	138	24.55			26.5	1.0	
100	QPSK	270	0	23.50			25.5	1.0	
100	16QAM	1	1	23.77			25.5	1.0	
100	64QAM	1	1	22.17			24.0	2.5	
100	256QAM	1	1	21.03			22.0	4.5	
Channel									
Frequency (MHz)									
90	Pi2 BPSK	1	1	24.60	24.67	24.63	26.5	0.0	
Channel									
Frequency (MHz)									
80	Pi2 BPSK	1	1	24.66	24.66	24.57	26.5	0.0	
Channel									
Frequency (MHz)									
70	Pi2 BPSK	1	1	24.62	24.67	24.63	26.5	0.0	
Channel									
Frequency (MHz)									
60	Pi2 BPSK	1	1	24.64	24.67	24.61	26.5	0.0	
Channel									
Frequency (MHz)									
50	Pi2 BPSK	1	1	24.63	24.64	24.56	26.5	0.0	
Channel									
Frequency (MHz)									
40	Pi2 BPSK	1	1	24.59	24.60	24.57	26.5	0.0	
Channel									
Frequency (MHz)									
30	Pi2 BPSK	1	1	24.61	24.60	24.60	26.5	0.0	
Channel									
Frequency (MHz)									
20	Pi2 BPSK	1	1	24.59	24.61	24.67	26.5	0.0	
Channel									
Frequency (MHz)									
15	Pi2 BPSK	1	1	24.58	24.63	24.53	26.5	0.0	
Channel									
Frequency (MHz)									
10	Pi2 BPSK	1	1	24.52	24.59	24.56	26.5	0.0	

Part270 n78_Ant 4 HPUE									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. 64000	Power Meds Ch./Freq. 65000	Power High Ch./Freq. 65334	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pi2 BPSK	1	1	24.59			26.5	0.0	
100	Pi2 BPSK	1	137	24.51			26.0	0.5	
100	Pi2 BPSK	1	271	24.63			26.0	0.5	
100	Pi2 BPSK	135	9	24.63			24.8	0.5	
100	Pi2 BPSK	135	69	24.68			24.61	0.5	
100	Pi2 BPSK	135	138	24.01			24.00	0.5	
100	Pi2 BPSK	270	0	24.00			24.00	0.5	
100	QPSK	1	1	24.65			26.5	0.0	
100	QPSK	1	137	24.52			26.5	0.0	
100	QPSK	1	271	24.43			26.5	0.0	
100	QPSK	135	9	24.51			24.8	0.5	
100	QPSK	135	69	24.58			24.54	0.5	
100	QPSK	135	138	24.54			23.85	1.0	
100	QPSK	270	0	23.85			23.83	1.0	
100	16QAM	1	1	23.63			24.0	2.5	
100	64QAM	1	1	22.14			22.0	4.5	
100	256QAM	1	1	20.03			20.0	4.5	
Channel									
Frequency (MHz)									
90	Pi2 BPSK	1	1	24.53	24.54	24.56	26.5	0.0	
Channel									
Frequency (MHz)									
80	Pi2 BPSK	1	1	24.50	24.56	24.54	26.5	0.0	
Channel									
Frequency (MHz)									
70	Pi2 BPSK	1	1	24.55	24.58	24.53	26.5	0.0	
Channel									
Frequency (MHz)									
60	Pi2 BPSK	1	1	24.54	24.56	24.52	26.5	0.0	
Channel									
Frequency (MHz)									
50	Pi2 BPSK	1	1	24.54	24.57	24.54	26.5	0.0	
Channel									
Frequency (MHz)									
40	Pi2 BPSK	1	1	24.55	24.57	24.51	26.5	0.0	
Channel									
Frequency (MHz)									
30	Pi2 BPSK	1	1	24.52	24.42	24.53	26.5	0.0	
Channel									
Frequency (MHz)									
20	Pi2 BPSK	1	1	24.50	24.58	24.58	26.5	0.0	
Channel									
Frequency (MHz)									
15	Pi2 BPSK	1	1	24.41	24.55	24.43	26.5	0.0	
Channel									
Frequency (MHz)									
10	Pi2 BPSK	1	1	24.41	24.55	24.42	26.5	0.0	



Part27Q n78_Ant 5 HPUE										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Meds Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	Pi2 BPSK	1	1	26.11						
100	Pi2 BPSK	1	137	26.09			27.5	0.0		
100	Pi2 BPSK	1	271	26.04						
100	Pi2 BPSK	135	9	26.54			27.0	0.5		
100	Pi2 BPSK	135	69	26.08			27.5	0.0		
100	Pi2 BPSK	135	138	26.54			27.0	0.5		
100	Pi2 BPSK	270	0	26.07						
100	QPSK	1	1	26.07						
100	QPSK	1	137	26.02			27.5	0.0		
100	QPSK	1	271	26.03						
100	QPSK	135	9	26.09						
100	QPSK	135	69	26.02			27.5	0.0		
100	QPSK	135	138	26.09						
100	QPSK	270	0	26.07			26.5	1.0		
100	16QAM	1	1	25.02			26.5	1.0		
100	64QAM	1	1	23.65			25.0	2.5		
100	256QAM	1	1	21.09			23.0	4.5		
Channel										
Frequency (MHz)										
80	Pi2 BPSK	1	1	26.01	26.03	26.00	27.5	0.0		
Channel										
Frequency (MHz)										
80	Pi2 BPSK	1	1	26.02	26.04	26.02	27.5	0.0		
Channel										
Frequency (MHz)										
70	Pi2 BPSK	1	1	26.03	26.10	26.01	27.5	0.0		
Channel										
Frequency (MHz)										
60	Pi2 BPSK	1	1	26.02	26.10	26.07	27.5	0.0		
Channel										
Frequency (MHz)										
80	Pi2 BPSK	1	1	26.01	26.03	26.00	27.5	0.0		
Channel										
Frequency (MHz)										
40	Pi2 BPSK	1	1	26.02	26.01	26.07	27.5	0.0		
Channel										
Frequency (MHz)										
30	Pi2 BPSK	1	1	26.01	26.04	26.02	27.5	0.0		
Channel										
Frequency (MHz)										
20	Pi2 BPSK	1	1	26.02	26.09	26.02	27.5	0.0		
Channel										
Frequency (MHz)										
15	Pi2 BPSK	1	1	25.93	26.02	25.93	27.5	0.0		
Channel										
Frequency (MHz)										
10	Pi2 BPSK	1	1	25.98	26.01	25.95	27.5	0.0		

Part27Q n78_Ant 5 HPUE										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Meds Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	Pi2 BPSK	1	1	26.15						
100	Pi2 BPSK	1	137	26.07			27.5	0.0		
100	Pi2 BPSK	1	271	26.04						
100	Pi2 BPSK	135	9	26.50			27.0	0.5		
100	Pi2 BPSK	135	69	26.03			27.5	0.0		
100	Pi2 BPSK	135	138	26.52			27.0	0.5		
100	Pi2 BPSK	270	0	26.06						
100	QPSK	1	1	26.00						
100	QPSK	1	137	26.06			27.5	0.0		
100	QPSK	1	271	26.01						
100	QPSK	135	9	26.04						
100	QPSK	135	69	26.02			27.5	0.0		
100	QPSK	135	138	26.03						
100	QPSK	270	0	26.07			26.5	1.0		
100	16QAM	1	1	25.02			26.5	1.0		
100	64QAM	1	1	23.58			25.0	2.5		
100	256QAM	1	1	21.12			23.0	4.5		
Channel										
Frequency (MHz)										
90	Pi2 BPSK	1	1	26.05	26.01	26.05	27.5	0.0		
Channel										
Frequency (MHz)										
80	Pi2 BPSK	1	1	26.06	26.04	26.01	27.5	0.0		
Channel										
Frequency (MHz)										
70	Pi2 BPSK	1	1	26.01	26.04	26.03	27.5	0.0		
Channel										
Frequency (MHz)										
60	Pi2 BPSK	1	1	26.06	26.01	26.03	27.5	0.0		
Channel										
Frequency (MHz)										
50	Pi2 BPSK	1	1	26.03	26.00	26.02	27.5	0.0		
Channel										
Frequency (MHz)										
40	Pi2 BPSK	1	1	26.02	26.00	26.03	27.5	0.0		
Channel										
Frequency (MHz)										
30	Pi2 BPSK	1	1	26.01	26.05	26.02	27.5	0.0		
Channel										
Frequency (MHz)										
20	Pi2 BPSK	1	1	26.03	26.06	26.03	27.5	0.0		
Channel										
Frequency (MHz)										
15	Pi2 BPSK	1	1	25.99	26.03	26.01	27.5	0.0		
Channel										
Frequency (MHz)										
10	Pi2 BPSK	1	1	26.07	26.12	26.05	27.5	0.0		

Part27Q n78_Ant 6 HPUE										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Meds Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	Pi2 BPSK	1	1	26.02						
100	Pi2 BPSK	1	137	25.91			27.0	0.0		
100	Pi2 BPSK	1	271	25.94						
100	Pi2 BPSK	135	9	26.09			26.5	0.5		
100	Pi2 BPSK	135	69	25.93			27.0	0.0		
100	Pi2 BPSK	135	138	26.23			26.5	0.5		
100	Pi2 BPSK	270	0	25.98						
100	QPSK	1	1	25.88						
100	QPSK	1	137	26.01			27.0	0.0		
100	QPSK	1	271	25.92						
100	QPSK	135	9	26.03						
100	QPSK	135	69	25.88			27.0	0.0		
100	QPSK	135	138	25.99						
100	QPSK	270	0	25.85			26.0	1.0		
100	16QAM	1	1	25.01			26.0	1.0		
100	64QAM	1	1	23.41			24.5	2.5		
100	256QAM	1	1	21.18			22.5	4.5		
Channel										
Frequency (MHz)										
90	Pi2 BPSK	1	1	25.92	25.90	25.94	27.0	0.0		
Channel										
Frequency (MHz)										
80	Pi2 BPSK	1	1	25.94	25.92	25.87	27.0	0.0		
Channel										
Frequency (MHz)										
70	Pi2 BPSK	1	1	25.98	25.90	25.97	27.0	0.0		
Channel										
Frequency (MHz)										
60	Pi2 BPSK	1	1	26.00	25.95	25.93	27.0	0.0		
Channel										
Frequency (MHz)										
50	Pi2 BPSK	1	1	25.93	25.95	25.85	27.0	0.0		
Channel										
Frequency (MHz)										
40	Pi2 BPSK	1	1	25.93	25.94	25.85	27.0	0.0		
Channel										
Frequency (MHz)										
30	Pi2 BPSK	1	1	25.91	25.94	25.90	27.0	0.0		
Channel										
Frequency (MHz)										
20	Pi2 BPSK	1	1	25.90	25.95	25.96	27.0	0.0		
Channel										
Frequency (MHz)										
15	Pi2 BPSK	1	1	25.84	25.94	25.89	27.0	0.0		
Channel										
Frequency (MHz)										
10	Pi2 BPSK	1	1	25.88	25.89	25.83	27.0	0.0		



Part270 n78_Ant 6 HPUE									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PV2 BPSK	1	1	25.03					
100	PV2 BPSK	1	137	25.99			27.0	0.0	
100	PV2 BPSK	1	271	26.89					
100	PV2 BPSK	135	0	25.47			26.5	0.5	
100	PV2 BPSK	135	69	26.81			27.0	0.0	
100	PV2 BPSK	135	138	26.38			26.5	0.5	
100	PV2 BPSK	270	0	24.53					
100	QPSK	1	1	25.94					
100	QPSK	1	137	25.84			27.0	0.0	
100	QPSK	1	271	26.92					
100	QPSK	135	0	25.99			27.0	0.0	
100	QPSK	135	69	26.00					
100	QPSK	135	138	25.98					
100	QPSK	270	0	24.76			26.0	1.0	
100	16QAM	1	1	25.13			26.0	1.0	
100	64QAM	1	1	23.81			24.5	2.5	
100	256QAM	1	1	21.31			22.5	4.5	
Channel									
Frequency (MHz)									
90	PV2 BPSK	1	1	25.95	26.01	25.97	27.0	0.0	
Channel									
Frequency (MHz)									
80	PV2 BPSK	1	1	25.96	26.00	25.90	27.0	0.0	
Channel									
Frequency (MHz)									
70	PV2 BPSK	1	1	25.03	25.92	25.90	27.0	0.0	
Channel									
Frequency (MHz)									
60	PV2 BPSK	1	1	25.90	25.98	25.97	27.0	0.0	
Channel									
Frequency (MHz)									
50	PV2 BPSK	1	1	25.95	26.02	26.00	27.0	0.0	
Channel									
Frequency (MHz)									
40	PV2 BPSK	1	1	25.93	25.99	25.99	27.0	0.0	
Channel									
Frequency (MHz)									
30	PV2 BPSK	1	1	25.96	26.01	25.97	27.0	0.0	
Channel									
Frequency (MHz)									
20	PV2 BPSK	1	1	26.01	25.97	25.92	27.0	0.0	
Channel									
Frequency (MHz)									
15	PV2 BPSK	1	1	25.88	25.90	25.85	27.0	0.0	
Channel									
Frequency (MHz)									
10	PV2 BPSK	1	1	25.92	25.90	25.92	27.0	0.0	

Part27Q n78_Ant 7 HPUE									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PV2 BPSK	1	1	25.08					
100	PV2 BPSK	1	137	24.99			26.5	0.0	
100	PV2 BPSK	1	271	24.92					
100	PV2 BPSK	135	0	24.57			26.0	0.5	
100	PV2 BPSK	135	69	25.01			26.5	0.0	
100	PV2 BPSK	135	138	24.41			26.0	0.5	
100	PV2 BPSK	270	0	24.45					
100	QPSK	1	1	25.07					
100	QPSK	1	137	25.03			26.5	0.0	
100	QPSK	1	271	25.00					
100	QPSK	135	0	24.53			26.5	0.0	
100	QPSK	135	69	25.03					
100	QPSK	135	138	24.96					
100	QPSK	270	0	23.95			25.5	1.0	
100	16QAM	1	1	24.16			25.5	1.0	
100	64QAM	1	1	22.73			24.0	2.5	
100	256QAM	1	1	20.29			22.0	4.5	
Channel									
Frequency (MHz)									
90	PV2 BPSK	1	1	25.07	25.03	24.94	26.5	0.0	
Channel									
Frequency (MHz)									
80	PV2 BPSK	1	1	25.01	24.97	24.97	26.5	0.0	
Channel									
Frequency (MHz)									
70	PV2 BPSK	1	1	25.03	24.99	24.95	26.5	0.0	
Channel									
Frequency (MHz)									
60	PV2 BPSK	1	1	25.05	24.96	24.98	26.5	0.0	
Channel									
Frequency (MHz)									
50	PV2 BPSK	1	1	25.03	25.04	25.01	26.5	0.0	
Channel									
Frequency (MHz)									
40	PV2 BPSK	1	1	25.03	25.02	25.01	26.5	0.0	
Channel									
Frequency (MHz)									
30	PV2 BPSK	1	1	25.07	25.01	24.90	26.5	0.0	
Channel									
Frequency (MHz)									
20	PV2 BPSK	1	1	25.06	25.06	25.01	26.5	0.0	
Channel									
Frequency (MHz)									
15	PV2 BPSK	1	1	24.98	25.04	24.97	26.5	0.0	
Channel									
Frequency (MHz)									
10	PV2 BPSK	1	1	24.99	25.03	24.99	26.5	0.0	

Part270 n78_Ant 7 HPUE									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PV2 BPSK	1	1	24.78					
100	PV2 BPSK	1	137	24.75			26.5	0.0	
100	PV2 BPSK	1	271	24.70					
100	PV2 BPSK	135	0	24.31			26.0	0.5	
100	PV2 BPSK	135	69	24.56			26.5	0.0	
100	PV2 BPSK	135	138	24.18			26.0	0.5	
100	PV2 BPSK	270	0	24.22					
100	QPSK	1	1	24.75					
100	QPSK	1	137	24.77			26.5	0.0	
100	QPSK	1	271	24.72					
100	QPSK	135	0	24.54			26.5	0.0	
100	QPSK	135	69	24.77					
100	QPSK	135	138	24.50					
100	QPSK	270	0	23.67			25.5	1.0	
100	16QAM	1	1	23.95			25.5	1.0	
100	64QAM	1	1	22.32			24.0	2.5	
100	256QAM	1	1	21.02			23.0	4.5	
Channel									
Frequency (MHz)									
90	PV2 BPSK	1	1	24.63	24.66	24.66	26.5	0.0	
Channel									
Frequency (MHz)									
80	PV2 BPSK	1	1	24.67	24.75	24.70	26.5	0.0	
Channel									
Frequency (MHz)									
70	PV2 BPSK	1	1	24.71	24.67	24.68	26.5	0.0	
Channel									
Frequency (MHz)									
60	PV2 BPSK	1	1	24.70	24.70	24.73	26.5	0.0	
Channel									
Frequency (MHz)									
50	PV2 BPSK	1	1	24.68	24.65	24.65	26.5	0.0	
Channel									
Frequency (MHz)									
40	PV2 BPSK	1	1	24.65	24.66	24.75	26.5	0.0	
Channel									
Frequency (MHz)									
30	PV2 BPSK	1	1	24.68	24.74	24.77	26.5	0.0	
Channel									
Frequency (MHz)									
20	PV2 BPSK	1	1	24.71	24.73	24.67	26.5	0.0	
Channel									
Frequency (MHz)									
15	PV2 BPSK	1	1	24.64	24.68	24.68	26.5	0.0	
Channel									
Frequency (MHz)									
10	PV2 BPSK	1	1	24.67	24.72	24.69	26.5	0.0	



n38_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	221.19	22.32	22.06			
40	PI2 BPSK	1	53	22.18	22.14	22.11	23.0	0.0	
40	PI2 BPSK	1	104	22.19	22.10	22.03			
40	PI2 BPSK	50	0	22.04	22.07	22.04	22.5	0.5	
40	PI2 BPSK	50	26	22.04	22.06	22.06	23.0	0.0	
40	PI2 BPSK	50	56	21.82	21.39	21.49	22.5	0.5	
40	PI2 BPSK	100	0	21.60	21.67	21.54			
40	QPSK	1	1	22.06	22.12	22.06			
40	QPSK	1	53	22.01	22.21	22.13	23.0	0.0	
40	QPSK	1	104	22.06	22.13	21.96			
40	QPSK	50	0	21.45	21.61	21.47			
40	QPSK	50	26	22.09	22.17	21.96	23.0	0.0	
40	QPSK	50	56	21.03	21.05	21.01			
40	QPSK	100	0	20.66	20.88	20.74	22.0	1.0	
40	16QAM	1	1	20.94	20.98	20.84	22.0	1.0	
40	16QAM	1	1	19.95	20.06	20.07	20.5	2.5	
40	256QAM	1	1	17.74	17.82	17.78	18.5	4.5	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	221.14	22.15	22.04	23.0	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	221.15	22.25	22.02	23.0	0.0	
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1	227.51	22.23	21.93	23.0	0.0	
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1	227.52	22.29	21.96	23.0	0.0	

n38_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	17.72	17.75	17.72			
40	PI2 BPSK	1	53	17.66	17.71	17.64	19.0	0.0	
40	PI2 BPSK	1	104	17.60	17.66	17.56			
40	PI2 BPSK	50	0	17.57	17.60	17.52	19.0	0.0	
40	PI2 BPSK	50	26	17.72	17.76	17.63	19.0	0.0	
40	PI2 BPSK	50	56	17.60	17.57	17.51	19.0	0.0	
40	PI2 BPSK	100	0	17.58	17.64	17.57			
40	QPSK	1	1	17.61	17.68	17.62			
40	QPSK	1	53	17.57	17.63	17.61	19.0	0.0	
40	QPSK	1	104	17.54	17.64	17.60			
40	QPSK	50	0	17.66	17.74	17.66			
40	QPSK	50	26	17.52	17.59	17.52	19.0	0.0	
40	QPSK	50	56	17.63	17.62	17.55			
40	QPSK	100	0	17.63	17.67	17.67	19.0	0.0	
40	16QAM	1	1	17.66	17.76	17.69	19.0	0.0	
40	16QAM	1	1	17.63	17.66	17.56	19.0	0.0	
40	256QAM	1	1	17.73	17.74	17.65	19.0	0.0	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	17.62	17.69	17.65	19.0	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	17.63	17.73	17.69	19.0	0.0	
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1	17.59	17.66	17.67	19.0	0.0	
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1	17.63	17.72	17.67	19.0	0.0	

n38_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	24.44	24.07	24.51			
40	PI2 BPSK	1	53	24.46	24.44	24.47	25.0	0.0	
40	PI2 BPSK	1	104	24.45	24.53	24.55			
40	PI2 BPSK	50	0	24.37	24.36	24.37	24.5	0.5	
40	PI2 BPSK	50	26	24.33	24.45	24.38	25.0	0.0	
40	PI2 BPSK	50	56	24.32	24.33	24.32	24.5	0.5	
40	PI2 BPSK	100	0	24.12	24.37	24.10			
40	QPSK	1	1	24.44	24.34	24.35			
40	QPSK	1	53	24.39	24.33	24.36	25.0	0.0	
40	QPSK	1	104	24.41	24.36	24.40			
40	QPSK	50	0	24.39	24.42	24.35			
40	QPSK	50	26	24.36	24.40	24.42	25.0	0.0	
40	QPSK	50	56	24.34	24.44	24.41			
40	QPSK	100	0	23.43	23.34	23.51	24.0	1.0	
40	16QAM	1	1	23.84	23.98	23.92	24.0	1.0	
40	16QAM	1	1	22.66	22.48	22.41	22.5	2.5	
40	256QAM	1	1	20.49	20.42	20.48	20.5	4.5	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	24.57	24.62	24.66	25.0	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	24.80	24.54	24.56	25.0	0.0	
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1	24.34	24.61	24.46	25.0	0.0	
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1	24.41	24.65	24.41	25.0	0.0	



n38_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	20.10	20.18	20.13			
40	PI2 BPSK	1	63	20.10	20.11	20.07	21.0	0.0	
40	PI2 BPSK	1	104	20.08	20.10	20.04			
40	PI2 BPSK	50	0	20.01	20.04	19.97	21.0	0.0	
40	PI2 BPSK	50	69	20.08	20.10	20.03	23.0	0.0	
40	PI2 BPSK	50	66	19.99	20.04	20.02	21.0	0.0	
40	PI2 BPSK	100	0	19.95	20.01	20.01			
40	QPSK	1	1	20.14	20.16	20.11			
40	QPSK	1	63	19.99	20.06	19.99	21.0	0.0	
40	QPSK	1	104	20.05	20.08	20.05			
40	QPSK	50	0	20.02	20.02	19.96			
40	QPSK	50	69	20.00	20.00	19.97	21.0	0.0	
40	QPSK	50	66	19.99	20.03	19.97			
40	QPSK	100	0	20.01	20.06	20.04	21.0	0.0	
40	16QAM	1	1	20.05	20.12	20.04	21.0	0.0	
40	16QAM	1	1	19.99	20.06	20.00	21.0	0.0	
40	256QAM	1	1	20.04	20.14	20.11	21.0	0.0	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	20.01	20.05	20.04	21.0	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	20.08	20.07	20.03	21.0	0.0	
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1	20.01	20.09	20.06	21.0	0.0	
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1	20.00	20.06	20.09	21.0	0.0	

n41_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	21.96	22.08	21.95			
100	PI2 BPSK	1	137	22.02	22.06	22.04	23.0	0.0	
100	PI2 BPSK	1	271	21.97	21.99	22.06			
100	PI2 BPSK	135	0	21.71	21.73	21.73	22.5	0.5	
100	PI2 BPSK	135	69	21.72	21.85	21.73	23.0	0.0	
100	PI2 BPSK	135	138	21.48	21.55	21.46	22.5	0.5	
100	PI2 BPSK	270	0	21.19	21.41	21.26			
100	QPSK	1	1	21.92	22.01	21.84			
100	QPSK	1	137	21.93	22.07	21.96	23.0	0.0	
100	QPSK	1	271	21.93	22.04	21.97			
100	QPSK	135	0	21.97	22.03	21.95			
100	QPSK	135	69	21.87	22.00	21.88	23.0	0.0	
100	QPSK	135	138	21.02	21.02	21.03			
100	QPSK	270	0	20.96	21.00	20.90	22.0	1.0	
100	16QAM	1	1	20.87	21.09	20.93	22.0	1.0	
100	64QAM	1	1	19.96	19.96	19.95	20.5	2.0	
100	256QAM	1	1	17.65	17.73	17.73	18.5	4.5	
Channel									
Frequency (MHz)									
90	PI2 BPSK	1	1	21.91	22.05	21.93	23.0	0.0	
Channel									
Frequency (MHz)									
80	PI2 BPSK	1	1	21.84	22.03	21.92	23.0	0.0	
Channel									
Frequency (MHz)									
70	PI2 BPSK	1	1	21.84	22.03	21.92	23.0	0.0	
Channel									
Frequency (MHz)									
60	PI2 BPSK	1	1	21.87	22.06	21.83	23.0	0.0	
Channel									
Frequency (MHz)									
50	PI2 BPSK	1	1	21.91	22.01	21.85	23.0	0.0	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	21.96	22.07	22.05	23.0	0.0	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	21.84	22.04	21.95	23.0	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	21.92	22.04	21.87	23.0	0.0	

n41_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	16.56	16.60	16.42			
100	PI2 BPSK	1	137	16.42	16.51	16.27	17.5	0.0	
100	PI2 BPSK	1	271	16.33	16.30	16.98			
100	PI2 BPSK	135	0	16.36	16.36	16.13	17.5	0.0	
100	PI2 BPSK	135	69	16.38	16.41	16.26	17.5	0.0	
100	PI2 BPSK	135	138	16.25	16.19	16.86	17.5	0.0	
100	PI2 BPSK	270	0	16.28	16.30	16.12			
100	QPSK	1	1	16.37	16.47	16.56			
100	QPSK	1	137	16.26	16.36	16.29	17.5	0.0	
100	QPSK	1	271	16.15	16.20	16.19			
100	QPSK	135	0	16.35	16.40	16.39			
100	QPSK	135	69	16.27	16.28	16.37	17.5	0.0	
100	QPSK	135	138	16.09	16.19	16.13	17.5	0.0	
100	QPSK	270	0	16.28	16.32	16.26	17.5	0.0	
100	16QAM	1	1	16.34	16.43	16.47	17.5	0.0	
100	64QAM	1	1	16.29	16.34	16.28	17.5	0.0	
100	256QAM	1	1	16.42	16.46	16.48	17.5	0.0	
Channel									
Frequency (MHz)									
90	PI2 BPSK	1	1	16.46	16.53	16.29	17.5	0.0	
Channel									
Frequency (MHz)									
80	PI2 BPSK	1	1	16.33	16.37	16.36	17.5	0.0	
Channel									
Frequency (MHz)									
70	PI2 BPSK	1	1	16.47	16.56	16.38	17.5	0.0	
Channel									
Frequency (MHz)									
60	PI2 BPSK	1	1	16.43	16.50	16.40	17.5	0.0	
Channel									
Frequency (MHz)									
50	PI2 BPSK	1	1	16.45	16.55	16.34	17.5	0.0	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	16.49	16.53	16.33	17.5	0.0	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	16.43	16.42	16.38	17.5	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	16.45	16.50	16.38	17.5	0.0	



n41_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				509202	518598	528000			
100	PI2 BPSK	1	1	24.11	24.23	24.13			
100	PI2 BPSK	1	137	24.07	24.08	24.00	25.0	0.0	
100	PI2 BPSK	1	271	24.10	24.12	24.02			
100	PI2 BPSK	135	0	23.71	23.69	23.60	24.5	0.0	
100	PI2 BPSK	135	69	24.02	24.17	24.03	25.0	0.0	
100	PI2 BPSK	135	138	23.58	23.61	23.51	24.5	0.5	
100	PI2 BPSK	270	0	23.52	23.53	23.50			
100	QPSK	1	1	24.06	24.10	24.14			
100	QPSK	1	137	24.07	24.13	24.02	25.0	0.0	
100	QPSK	1	271	24.03	24.14	24.03			
100	QPSK	135	0	23.00	23.03	23.02			
100	QPSK	135	69	24.00	24.12	23.99	25.0	0.0	
100	QPSK	135	138	23.02	23.04	23.05	24.0	1.0	
100	QPSK	270	0	22.93	23.07	22.96	24.0	1.0	
100	16QAM	1	1	23.29	23.31	23.19	24.0	1.0	
100	16QAM	1	1	21.64	21.68	21.62	22.5	2.5	
100	256QAM	1	1	19.52	19.68	19.62	20.5	4.5	
Channel									
Frequency (MHz)				508200	518598	528000	Tune-up limit (dB)	MPR (dB)	
50	PI2 BPSK	1	1	24.18	24.23	24.06	25.0	0.0	
Channel									
Frequency (MHz)				507204	518598	528000	Tune-up limit (dB)	MPR (dB)	
80	PI2 BPSK	1	1	24.13	24.19	24.17	25.0	0.0	
Channel									
Frequency (MHz)				2531.01	2692.99	2655	Tune-up limit (dB)	MPR (dB)	
70	PI2 BPSK	1	1	24.19	24.22	24.15	25.0	0.0	
Channel									
Frequency (MHz)				504204	518598	528000	Tune-up limit (dB)	MPR (dB)	
60	PI2 BPSK	1	1	24.19	24.22	24.13	25.0	0.0	
Channel									
Frequency (MHz)				503202	518598	528000	Tune-up limit (dB)	MPR (dB)	
50	PI2 BPSK	1	1	24.12	24.23	24.17	25.0	0.0	
Channel									
Frequency (MHz)				2518.01	2692.99	2670	Tune-up limit (dB)	MPR (dB)	
40	PI2 BPSK	1	1	24.13	24.17	24.06	25.0	0.0	
Channel									
Frequency (MHz)				502200	518598	528000	Tune-up limit (dB)	MPR (dB)	
30	PI2 BPSK	1	1	24.22	24.24	24.08	25.0	0.0	
Channel									
Frequency (MHz)				2511	2692.99	2674.98	Tune-up limit (dB)	MPR (dB)	
20	PI2 BPSK	1	1	24.17	24.18	24.06	25.0	0.0	

n41_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				509202	518598	528000			
100	PI2 BPSK	1	1	18.51	18.53	18.58			
100	PI2 BPSK	1	137	18.53	18.61	18.63	19.5	0.0	
100	PI2 BPSK	1	271	18.44	18.50	18.24			
100	PI2 BPSK	135	0	18.54	18.51	18.49	19.5	0.0	
100	PI2 BPSK	135	69	18.58	18.60	18.50	19.5	0.0	
100	PI2 BPSK	135	138	18.47	18.47	18.29	19.5	0.0	
100	PI2 BPSK	270	0	18.52	18.55	18.43			
100	QPSK	1	1	18.48	18.49	18.37			
100	QPSK	1	137	18.36	18.40	18.32	19.5	0.0	
100	QPSK	1	271	18.32	18.36	18.42			
100	QPSK	135	0	18.35	18.41	18.32			
100	QPSK	135	69	18.32	18.35	18.05	19.5	0.0	
100	QPSK	135	138	18.29	18.35	18.31			
100	QPSK	270	0	18.27	18.33	18.34	18.5	0.0	
100	16QAM	1	1	18.50	18.51	18.44	19.5	0.0	
100	16QAM	1	1	18.38	18.45	18.40	18.5	0.0	
100	256QAM	1	1	18.39	18.41	18.41	19.5	0.0	
Channel									
Frequency (MHz)				508200	518598	528000	Tune-up limit (dB)	MPR (dB)	
90	PI2 BPSK	1	1	18.49	18.50	18.46	19.5	0.0	
Channel									
Frequency (MHz)				507204	518598	528000	Tune-up limit (dB)	MPR (dB)	
80	PI2 BPSK	1	1	18.59	18.61	18.50	19.5	0.0	
Channel									
Frequency (MHz)				2531.01	2692.99	2655	Tune-up limit (dB)	MPR (dB)	
70	PI2 BPSK	1	1	18.58	18.62	18.59	19.5	0.0	
Channel									
Frequency (MHz)				504204	518598	528000	Tune-up limit (dB)	MPR (dB)	
60	PI2 BPSK	1	1	18.59	18.61	18.48	19.5	0.0	
Channel									
Frequency (MHz)				503202	518598	528000	Tune-up limit (dB)	MPR (dB)	
50	PI2 BPSK	1	1	18.50	18.64	18.56	19.5	0.0	
Channel									
Frequency (MHz)				2518.01	2692.99	2670	Tune-up limit (dB)	MPR (dB)	
40	PI2 BPSK	1	1	18.49	18.51	18.42	19.5	0.0	
Channel									
Frequency (MHz)				502200	518598	528000	Tune-up limit (dB)	MPR (dB)	
30	PI2 BPSK	1	1	18.47	18.50	18.46	19.5	0.0	
Channel									
Frequency (MHz)				2511	2692.99	2674.98	Tune-up limit (dB)	MPR (dB)	
20	PI2 BPSK	1	1	18.49	18.58	18.51	19.5	0.0	

Par27Q n77_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				633000	633334	633668			
100	PI2 BPSK	1	1	19.89	19.89	19.88	21.0	0.0	
100	PI2 BPSK	1	137	19.81	19.83	19.83	21.0	0.0	
100	PI2 BPSK	1	271	19.83	19.83	19.81	21.0	0.0	
100	PI2 BPSK	135	0	19.91	19.91	19.91	21.0	0.0	
100	PI2 BPSK	135	69	19.87	19.87	19.87	21.0	0.0	
100	PI2 BPSK	135	138	19.82	19.82	19.82	21.0	0.0	
100	PI2 BPSK	270	0	19.85	19.85	19.85	21.0	0.0	
100	QPSK	1	1	19.92	19.92	19.92	21.0	0.0	
100	QPSK	1	137	19.73	19.73	19.73	21.0	0.0	
100	QPSK	1	271	19.41	19.41	19.41	21.0	0.0	
100	QPSK	135	0	19.69	19.69	19.69	21.0	0.0	
100	QPSK	135	69	19.65	19.65	19.65	21.0	0.0	
100	QPSK	135	138	19.62	19.62	19.62	21.0	0.0	
100	QPSK	270	0	19.67	19.67	19.67	21.0	0.0	
100	16QAM	1	1	19.85	19.85	19.85	21.0	0.0	
100	16QAM	1	1	19.79	19.79	19.79	21.0	0.0	
100	256QAM	1	1	19.80	19.80	19.80	21.0	0.0	
Channel									
Frequency (MHz)				633000	633334	633668	Tune-up limit (dB)	MPR (dB)	
90	PI2 BPSK	1	1	19.89	19.89	19.87	21.0	0.0	
Channel									
Frequency (MHz)				632668	633334	634000	Tune-up limit (dB)	MPR (dB)	
80	PI2 BPSK	1	1	19.89	19.89	19.88	21.0	0.0	
Channel									
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dB)	MPR (dB)	
70	PI2 BPSK	1	1	19.80	19.81	19.79	21.0	0.0	
Channel									
Frequency (MHz)				631668	633334	635000	Tune-up limit (dB)	MPR (dB)	
60	PI2 BPSK	1	1	19.83	19.86	19.87	21.0	0.0	
Channel									
Frequency (MHz)				631668	633334	635000	Tune-up limit (dB)	MPR (dB)	
50	PI2 BPSK	1	1	19.82	19.89	19.81	21.0	0.0	
Channel									
Frequency (MHz)				631334	633334	635332	Tune-up limit (dB)	MPR (dB)	
40	PI2 BPSK	1	1	19.82	19.91	19.82	21.0	0.0	
Channel									
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dB)	MPR (dB)	
30	PI2 BPSK	1	1	19.81	19.94	19.86	21.0	0.0	
Channel									
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dB)	MPR (dB)	
20	PI2 BPSK	1	1	19.85	19.87	19.85	21.0	0.0	
Channel									
Frequency (MHz)				630668	633334	636168	Tune-up limit (dB)	MPR (dB)	
15	PI2 BPSK	1	1	19.85	19.85	19.81	21.0	0.0	
Channel									
Frequency (MHz)				630334	633334	636332	Tune-up limit (dB)	MPR (dB)	
10	PI2 BPSK	1	1	19.85	19.89	19.78	21.0	0.0	



Par270 n77_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	19.89	19.96	19.95			
100	PI2 BPSK	1	137	19.84	19.92	19.93	21.0	0.0	
100	PI2 BPSK	1	271	19.73	19.86	19.73			
100	PI2 BPSK	135	0	19.73	19.82	19.80	21.0	0.0	
100	PI2 BPSK	135	69	19.76	19.89	19.74	21.0	0.0	
100	PI2 BPSK	135	138	19.85	19.87	19.83	21.0	0.0	
100	PI2 BPSK	270	0	19.88	19.71	19.83			
100	QPSK	1	1	19.76	19.80	19.76			
100	QPSK	1	137	19.69	19.78	19.76	21.0	0.0	
100	QPSK	1	271	19.66	19.73	19.66			
100	QPSK	135	0	19.76	19.84	19.79			
100	QPSK	135	69	19.71	19.74	19.69	21.0	0.0	
100	QPSK	135	138	19.53	19.65	19.50			
100	QPSK	270	0	19.65	19.70	19.65	21.0	0.0	
100	16QAM	1	1	19.76	19.85	19.71	21.0	0.0	
100	16QAM	1	1	19.73	19.85	19.82	21.0	0.0	
100	256QAM	1	1	19.11	19.25	19.24	21.0	0.0	
Channel									
Frequency (MHz)									
50	PI2 BPSK	1	1	19.17	19.84	19.91	21.0	0.0	
Channel									
Frequency (MHz)									
80	PI2 BPSK	1	1	19.87	19.89	19.88	21.0	0.0	
Channel									
Frequency (MHz)									
70	PI2 BPSK	1	1	19.77	19.84	19.88	21.0	0.0	
Channel									
Frequency (MHz)									
60	PI2 BPSK	1	1	19.77	19.86	19.83	21.0	0.0	
Channel									
Frequency (MHz)									
50	PI2 BPSK	1	1	19.84	19.90	19.84	21.0	0.0	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	19.84	19.92	19.87	21.0	0.0	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	19.79	19.83	19.85	21.0	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	19.87	19.92	19.85	21.0	0.0	
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1	19.82	19.92	19.88	21.0	0.0	
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1	19.83	19.84	19.84	21.0	0.0	

Par270 n77_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	19.85	19.85	19.85			
100	PI2 BPSK	1	137	19.79	19.79	19.79	18.2	0.0	
100	PI2 BPSK	1	271	19.77	19.77	19.77			
100	PI2 BPSK	135	0	19.67	19.67	19.67	18.2	0.0	
100	PI2 BPSK	135	69	19.82	19.82	19.82	18.2	0.0	
100	PI2 BPSK	135	138	19.75	19.75	19.75	18.2	0.0	
100	PI2 BPSK	270	0	19.73	19.73	19.73			
100	QPSK	1	1	19.56	19.56	19.56			
100	QPSK	1	137	19.81	19.81	19.81	18.2	0.0	
100	QPSK	1	271	19.77	19.77	19.77			
100	QPSK	135	0	19.66	19.66	19.66			
100	QPSK	135	69	19.80	19.80	19.80	18.2	0.0	
100	QPSK	135	138	19.80	19.80	19.80	18.2	0.0	
100	QPSK	270	0	19.77	19.77	19.77	18.2	0.0	
100	16QAM	1	1	19.84	19.84	19.84	18.2	0.0	
100	16QAM	1	1	19.72	19.72	19.72	18.2	0.0	
100	256QAM	1	1	19.57	19.57	19.57	18.2	0.0	
Channel									
Frequency (MHz)									
90	PI2 BPSK	1	1	19.76	19.76	19.71	18.2	0.0	
Channel									
Frequency (MHz)									
80	PI2 BPSK	1	1	19.76	19.77	19.68	18.2	0.0	
Channel									
Frequency (MHz)									
70	PI2 BPSK	1	1	19.68	19.73	19.70	18.2	0.0	
Channel									
Frequency (MHz)									
60	PI2 BPSK	1	1	19.68	19.75	19.69	18.2	0.0	
Channel									
Frequency (MHz)									
50	PI2 BPSK	1	1	19.68	19.80	19.71	18.2	0.0	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	19.77	19.76	19.69	18.2	0.0	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	19.73	19.72	19.68	18.2	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	19.68	19.76	19.72	18.2	0.0	
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1	19.72	19.74	19.68	18.2	0.0	
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1	19.77	19.76	19.75	18.2	0.0	

Par270 n77_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	19.82	19.95	19.48			
100	PI2 BPSK	1	137	19.35	19.50	19.42	18.2	0.0	
100	PI2 BPSK	1	271	19.45	19.54	19.39			
100	PI2 BPSK	135	0	19.30	19.41	19.39	18.2	0.0	
100	PI2 BPSK	135	69	19.33	19.46	19.35	18.2	0.0	
100	PI2 BPSK	135	138	19.42	19.45	19.34	18.2	0.0	
100	PI2 BPSK	270	0	19.27	19.42	19.31			
100	QPSK	1	1	19.37	19.38	19.32			
100	QPSK	1	137	19.35	19.46	19.39	18.2	0.0	
100	QPSK	1	271	19.39	19.38	19.39			
100	QPSK	135	0	19.47	19.60	19.35			
100	QPSK	135	69	19.32	19.38	19.37	18.2	0.0	
100	QPSK	135	138	19.35	19.42	19.30			
100	QPSK	270	0	19.32	19.46	19.30	18.2	0.0	
100	16QAM	1	1	19.39	19.53	19.51	18.2	0.0	
100	16QAM	1	1	19.37	19.48	19.35	18.2	0.0	
100	256QAM	1	1	19.23	19.36	19.21	18.2	0.0	
Channel									
Frequency (MHz)									
90	PI2 BPSK	1	1	19.33	19.52	19.45	18.2	0.0	
Channel									
Frequency (MHz)									
80	PI2 BPSK	1	1	19.38	19.43	19.36	18.2	0.0	
Channel									
Frequency (MHz)									
70	PI2 BPSK	1	1	19.37	19.51	19.45	18.2	0.0	
Channel									
Frequency (MHz)									
60	PI2 BPSK	1	1	19.39	19.50	19.45	18.2	0.0	
Channel									
Frequency (MHz)									
50	PI2 BPSK	1	1	19.36	19.49	19.39	18.2	0.0	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	19.40	19.44	19.39	18.2	0.0	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	19.23	19.42	19.38	18.2	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	19.33	19.49	19.44	18.2	0.0	
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1	19.38	19.51	19.37	18.2	0.0	
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1	19.37	19.48	19.43	18.2	0.0	



Par27Q n77_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	15.47	15.47	15.47	16.5	0.0	
100	PI2 BPSK	1	137	15.48	15.48	15.48	16.5	0.0	
100	PI2 BPSK	1	271	15.43	15.43	15.43	16.5	0.0	
100	PI2 BPSK	135	0	15.47	15.47	15.47	16.5	0.0	
100	PI2 BPSK	135	69	15.51	15.51	15.51	16.5	0.0	
100	PI2 BPSK	135	138	15.48	15.48	15.48	16.5	0.0	
100	PI2 BPSK	270	0	15.47	15.47	15.47	16.5	0.0	
100	QPSK	1	1	15.42	15.42	15.42	16.5	0.0	
100	QPSK	1	137	15.40	15.40	15.40	16.5	0.0	
100	QPSK	1	271	15.39	15.39	15.39	16.5	0.0	
100	QPSK	135	0	15.46	15.46	15.46	16.5	0.0	
100	QPSK	135	69	15.55	15.55	15.55	16.5	0.0	
100	QPSK	135	138	15.35	15.35	15.35	16.5	0.0	
100	QPSK	270	0	15.47	15.47	15.47	16.5	0.0	
100	16QAM	1	1	15.52	15.52	15.52	16.5	0.0	
100	64QAM	1	1	15.53	15.53	15.53	16.5	0.0	
100	256QAM	1	1	15.30	15.30	15.30	16.5	0.0	
Channel									
Frequency (MHz)									
633000	633334	633668	633999	634330	634661	634992	635323	635654	635985
3450	3500.01	3549.99	3599.97	3649.95	3699.93	3749.91	3799.89	3849.87	3899.85
Channel									
Frequency (MHz)									
50	PI2 BPSK	1	1	15.42	15.44	15.46	16.5	0.0	
Channel									
Frequency (MHz)									
80	PI2 BPSK	1	1	15.41	15.40	15.41	16.5	0.0	
Channel									
Frequency (MHz)									
70	PI2 BPSK	1	1	15.45	15.45	15.43	16.5	0.0	
Channel									
Frequency (MHz)									
60	PI2 BPSK	1	1	15.40	15.50	15.45	16.5	0.0	
Channel									
Frequency (MHz)									
50	PI2 BPSK	1	1	15.42	15.47	15.37	16.5	0.0	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	15.43	15.54	15.39	16.5	0.0	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	15.43	15.44	15.39	16.5	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	15.47	15.44	15.40	16.5	0.0	
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1	15.42	15.54	15.43	16.5	0.0	
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1	15.40	15.47	15.38	16.5	0.0	

Par270 n77_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	15.10	15.10	15.13	16.5	0.0	
100	PI2 BPSK	1	137	14.99	15.14	15.15	16.5	0.0	
100	PI2 BPSK	1	271	15.07	15.18	15.03	16.5	0.0	
100	PI2 BPSK	135	0	14.97	15.07	15.05	16.5	0.0	
100	PI2 BPSK	135	69	15.07	15.09	15.00	16.5	0.0	
100	PI2 BPSK	135	138	14.87	14.97	14.85	16.5	0.0	
100	PI2 BPSK	270	0	15.06	15.11	14.96	16.5	0.0	
100	QPSK	1	1	14.99	15.06	15.01	16.5	0.0	
100	QPSK	1	137	15.04	15.18	15.04	16.5	0.0	
100	QPSK	1	271	14.92	15.03	15.04	16.5	0.0	
100	QPSK	135	0	14.82	14.89	14.98	16.5	0.0	
100	QPSK	135	69	15.16	15.15	15.14	16.5	0.0	
100	QPSK	135	138	15.05	15.06	14.93	16.5	0.0	
100	QPSK	270	0	15.09	15.16	15.08	16.5	0.0	
100	16QAM	1	1	15.10	15.15	15.16	16.5	0.0	
100	64QAM	1	1	15.06	15.12	15.08	16.5	0.0	
100	256QAM	1	1	14.95	15.07	14.99	16.5	0.0	
Channel									
Frequency (MHz)									
689668	690000	690332	690664	691000	691332	691664	692000	692332	692664
3749.92	3740	3740	3740	3740	3740	3740	3740	3740	3740
Channel									
Frequency (MHz)									
90	PI2 BPSK	1	1	14.96	14.95	14.96	16.5	0.0	
Channel									
Frequency (MHz)									
80	PI2 BPSK	1	1	14.86	14.89	14.91	16.5	0.0	
Channel									
Frequency (MHz)									
70	PI2 BPSK	1	1	14.89	14.95	14.96	16.5	0.0	
Channel									
Frequency (MHz)									
60	PI2 BPSK	1	1	14.92	14.95	14.89	16.5	0.0	
Channel									
Frequency (MHz)									
50	PI2 BPSK	1	1	14.92	14.96	14.93	16.5	0.0	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	14.83	14.95	14.94	16.5	0.0	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	14.86	15.01	14.95	16.5	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	14.85	15.01	14.93	16.5	0.0	
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1	14.83	14.96	14.90	16.5	0.0	
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1	14.91	14.95	14.91	16.5	0.0	

Par27Q n77_Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	19.27	19.27	19.27	20.0	0.0	
100	PI2 BPSK	1	137	19.17	19.17	19.17	20.0	0.0	
100	PI2 BPSK	1	271	19.09	19.09	19.09	20.0	0.0	
100	PI2 BPSK	135	0	19.22	19.22	19.22	20.0	0.0	
100	PI2 BPSK	135	69	19.25	19.25	19.25	20.0	0.0	
100	PI2 BPSK	135	138	19.17	19.17	19.17	20.0	0.0	
100	PI2 BPSK	270	0	19.13	19.13	19.13	20.0	0.0	
100	QPSK	1	1	19.21	19.21	19.21	20.0	0.0	
100	QPSK	1	137	19.31	19.31	19.31	20.0	0.0	
100	QPSK	1	271	19.04	19.04	19.04	20.0	0.0	
100	QPSK	135	0	19.19	19.19	19.19	20.0	0.0	
100	QPSK	135	69	19.26	19.26	19.26	20.0	0.0	
100	QPSK	135	138	19.11	19.11	19.11	20.0	0.0	
100	QPSK	270	0	19.09	19.09	19.09	20.0	0.0	
100	16QAM	1	1	19.26	19.26	19.26	20.0	0.0	
100	64QAM	1	1	19.14	19.14	19.14	20.0	0.0	
100	256QAM	1	1	19.27	19.27	19.27	20.0	0.0	
Channel									
Frequency (MHz)									
3450	3500.01	3549.99	3599.97	3649.95	3699.93	3749.91	3799.89	3849.87	3899.85
Channel									
Frequency (MHz)									
90	PI2 BPSK	1	1	19.19	19.22	19.17	20.0	0.0	
Channel									
Frequency (MHz)									
80	PI2 BPSK	1	1	19.20	19.22	19.20	20.0	0.0	
Channel									
Frequency (MHz)									
70	PI2 BPSK	1	1	19.19	19.32	19.21	20.0	0.0	
Channel									
Frequency (MHz)									
60	PI2 BPSK	1	1	19.20	19.31	19.21	20.0	0.0	
Channel									
Frequency (MHz)									
50	PI2 BPSK	1	1	19.24	19.24	19.21	20.0	0.0	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	19.19	19.22	19.15	20.0	0.0	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	19.27	19.31	19.22	20.0	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	19.25	19.26	19.25	20.0	0.0	
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1	19.17	19.31	19.21	20.0	0.0	
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1	19.21	19.24	19.23	20.0	0.0	



Par270 n77_Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	18.34	18.50	18.41			
100	PI2 BPSK	1	137	18.31	18.37	18.29	20.0	0.0	
100	PI2 BPSK	1	271	18.31	18.31	18.21			
100	PI2 BPSK	135	0	18.31	18.32	18.42	20.0	0.0	
100	PI2 BPSK	135	69	18.36	18.52	18.45	20.0	0.0	
100	PI2 BPSK	135	138	18.13	18.33	18.29	20.0	0.0	
100	PI2 BPSK	270	0	18.35	18.46	18.45			
100	QPSK	1	1	18.46	18.47	18.41			
100	QPSK	1	137	18.26	18.43	18.34	20.0	0.0	
100	QPSK	1	271	18.17	18.20	18.17			
100	QPSK	135	0	18.38	18.47	18.38			
100	QPSK	135	69	18.37	18.54	18.50	20.0	0.0	
100	QPSK	135	138	18.21	18.32	18.21			
100	QPSK	270	0	18.33	18.44	18.31	20.0	0.0	
100	16QAM	1	1	18.34	18.35	18.28	20.0	0.0	
100	16QAM	1	1	18.36	18.47	18.37	20.0	0.0	
100	256QAM	1	1	18.34	18.45	18.50	20.0	0.0	
Channel									
Frequency (MHz)									
50	PI2 BPSK	1	1	649668	656000	662332	Tune-up limit (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
80	PI2 BPSK	1	1	649668	656000	662332	Tune-up limit (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
70	PI2 BPSK	1	1	18.25	18.53	18.28	20.0	0.0	
Channel									
Frequency (MHz)									
60	PI2 BPSK	1	1	18.30	18.43	18.32	20.0	0.0	
Channel									
Frequency (MHz)									
50	PI2 BPSK	1	1	18.36	18.50	18.38	20.0	0.0	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	18.29	18.53	18.30	20.0	0.0	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	18.31	18.46	18.39	20.0	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	18.27	18.51	18.35	20.0	0.0	
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1	18.35	18.50	18.38	20.0	0.0	
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1	18.31	18.50	18.30	20.0	0.0	

Part27Q n78_Ant 4 HPUE									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	19.02	19.10	19.03			
100	PI2 BPSK	1	137	19.19	19.19	19.19	21.0	0.0	
100	PI2 BPSK	1	271	19.02	19.02	19.02			
100	PI2 BPSK	135	0	19.00	19.00	19.00	21.0	0.0	
100	PI2 BPSK	135	69	19.02	19.02	19.02	21.0	0.0	
100	PI2 BPSK	135	138	19.00	19.00	19.00	21.0	0.0	
100	PI2 BPSK	270	0	19.00	19.00	19.00			
100	QPSK	1	1	19.11	19.11	19.11			
100	QPSK	1	137	19.10	19.10	19.10	21.0	0.0	
100	QPSK	1	271	19.11	19.11	19.11			
100	QPSK	135	0	19.06	19.06	19.06			
100	QPSK	135	69	19.02	19.02	19.02	21.0	0.0	
100	QPSK	135	138	18.88	18.88	18.88			
100	QPSK	270	0	19.04	19.04	19.04	21.0	0.0	
100	16QAM	1	1	19.14	19.14	19.14	21.0	0.0	
100	16QAM	1	1	19.10	19.10	19.10	21.0	0.0	
100	256QAM	1	1	19.12	19.12	19.12	21.0	0.0	
Channel									
Frequency (MHz)									
90	PI2 BPSK	1	1	633000	633334	633666	Tune-up limit (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
80	PI2 BPSK	1	1	633000	633334	633666	Tune-up limit (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
70	PI2 BPSK	1	1	19.02	19.09	19.08	21.0	0.0	
Channel									
Frequency (MHz)									
60	PI2 BPSK	1	1	19.09	19.16	19.01	21.0	0.0	
Channel									
Frequency (MHz)									
50	PI2 BPSK	1	1	19.11	19.16	19.09	21.0	0.0	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	19.08	19.17	19.09	21.0	0.0	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	19.12	19.13	19.03	21.0	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	19.02	19.10	19.03	21.0	0.0	
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1	19.10	19.07	19.00	21.0	0.0	
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1	19.02	19.13	19.02	21.0	0.0	

Part270 n78_Ant 4 HPUE									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	19.04	19.03	19.04			
100	PI2 BPSK	1	137	18.83	18.83	18.83	21.0	0.0	
100	PI2 BPSK	1	271	18.76	18.76	18.76			
100	PI2 BPSK	135	0	18.88	18.88	18.88	21.0	0.0	
100	PI2 BPSK	135	69	19.05	19.05	19.05	21.0	0.0	
100	PI2 BPSK	135	138	18.84	18.84	18.84	21.0	0.0	
100	PI2 BPSK	270	0	19.00	19.00	19.00			
100	QPSK	1	1	19.06	19.06	19.06			
100	QPSK	1	137	18.98	18.98	18.98	21.0	0.0	
100	QPSK	1	271	18.80	18.80	18.80			
100	QPSK	135	0	18.80	18.80	18.80			
100	QPSK	135	69	18.94	18.94	18.94	21.0	0.0	
100	QPSK	135	138	18.70	18.70	18.70	21.0	0.0	
100	QPSK	270	0	18.83	18.83	18.83	21.0	0.0	
100	16QAM	1	1	18.99	18.99	18.99	21.0	0.0	
100	16QAM	1	1	18.94	18.94	18.94	21.0	0.0	
100	256QAM	1	1	18.85	18.85	18.85	21.0	0.0	
Channel									
Frequency (MHz)									
90	PI2 BPSK	1	1	649668	650000	650332	Tune-up limit (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
80	PI2 BPSK	1	1	649668	650000	650332	Tune-up limit (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
70	PI2 BPSK	1	1	19.04	19.03	19.06	21.0	0.0	
Channel									
Frequency (MHz)									
60	PI2 BPSK	1	1	19.03	18.97	19.02	21.0	0.0	
Channel									
Frequency (MHz)									
50	PI2 BPSK	1	1	19.03	19.02	19.04	21.0	0.0	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	18.99	18.98	19.02	21.0	0.0	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	19.05	18.97	19.06	21.0	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	19.06	18.99	18.87	21.0	0.0	
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1	18.92	19.01	18.90	21.0	0.0	
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1	18.81	18.89	18.80	21.0	0.0	



Part27Q n78_Ant 5 HPUE									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	16.54		16.54			
100	PI2 BPSK	1	137	16.52		16.52	18.0	0.0	
100	PI2 BPSK	1	271	16.59		16.59			
100	PI2 BPSK	135	0	16.44		16.44	18.0	0.0	
100	PI2 BPSK	135	69	16.54		16.54	18.0	0.0	
100	PI2 BPSK	135	138	16.48		16.48	18.0	0.0	
100	PI2 BPSK	270	0	16.44		16.44			
100	QPSK	1	1	16.30		16.30			
100	QPSK	1	137	16.54		16.54	18.0	0.0	
100	QPSK	1	271	16.56		16.56			
100	QPSK	135	0	16.21		16.21			
100	QPSK	135	69	16.46		16.46	18.0	0.0	
100	QPSK	135	138	16.47		16.47			
100	QPSK	270	0	16.44		16.44			
100	16QAM	1	1	16.52		16.52	18.0	0.0	
100	64QAM	1	1	16.44		16.44	18.0	0.0	
100	256QAM	1	1	16.25		16.25	18.0	0.0	
Channel									
Frequency (MHz)									
50	PI2 BPSK	1	1	63300	63334	63368	Tune-up limit (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
80	PI2 BPSK	1	1	3490.02	3500.01	3510.00	limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
70	PI2 BPSK	1	1	16.53	16.52	16.49	limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
60	PI2 BPSK	1	1	16.54	16.59	16.53	limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	PI2 BPSK	1	1	63168	63334	63500	Tune-up limit (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	3470.01	3500.01	3529.98	limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	16.54	16.52	16.48	limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	16.54	16.59	16.49	limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1	16.51	16.52	16.49	limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1	16.52	16.51	16.54	limit (dBm)	MPR (dB)	

Part27O n78_Ant 5 HPUE									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	16.55		16.55			
100	PI2 BPSK	1	137	16.51		16.51	18.0	0.0	
100	PI2 BPSK	1	271	16.57		16.57			
100	PI2 BPSK	135	0	16.46		16.46	18.0	0.0	
100	PI2 BPSK	135	69	16.53		16.53	18.0	0.0	
100	PI2 BPSK	135	138	16.58		16.58	18.0	0.0	
100	PI2 BPSK	270	0	16.49		16.49			
100	QPSK	1	1	16.46		16.46			
100	QPSK	1	137	16.56		16.56	18.0	0.0	
100	QPSK	1	271	16.63		16.63			
100	QPSK	135	0	16.46		16.46			
100	QPSK	135	69	16.56		16.56	18.0	0.0	
100	QPSK	135	138	16.50		16.50			
100	QPSK	270	0	16.44		16.44			
100	16QAM	1	1	16.53		16.53	18.0	0.0	
100	64QAM	1	1	16.56		16.56	18.0	0.0	
100	256QAM	1	1	16.42		16.42	18.0	0.0	
Channel									
Frequency (MHz)									
90	PI2 BPSK	1	1	64968	65000	65032	Tune-up limit (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
80	PI2 BPSK	1	1	3740.02	3750.01	3760.00	limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
70	PI2 BPSK	1	1	16.54	16.53	16.50	limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
60	PI2 BPSK	1	1	16.50	16.51	16.56	limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	PI2 BPSK	1	1	64834	65000	65166	Tune-up limit (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	3720.01	3750.01	3780.00	limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	16.55	16.56	16.49	limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	16.55	16.52	16.51	limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1	16.56	16.50	16.49	limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1	16.50	16.55	16.49	limit (dBm)	MPR (dB)	

Part27Q n78_Ant 6 HPUE									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	15.54		15.54			
100	PI2 BPSK	1	137	15.45		15.45	16.5	0.0	
100	PI2 BPSK	1	271	15.35		15.35			
100	PI2 BPSK	135	0	15.38		15.38	16.5	0.0	
100	PI2 BPSK	135	69	15.43		15.43	16.5	0.0	
100	PI2 BPSK	135	138	15.29		15.29	16.5	0.0	
100	PI2 BPSK	270	0	15.39		15.39			
100	QPSK	1	1	15.33		15.33			
100	QPSK	1	137	15.44		15.44	16.5	0.0	
100	QPSK	1	271	15.38		15.38			
100	QPSK	135	0	15.27		15.27			
100	QPSK	135	69	15.47		15.47	16.5	0.0	
100	QPSK	135	138	15.43		15.43	16.5	0.0	
100	QPSK	270	0	15.41		15.41			
100	16QAM	1	1	15.41		15.41	16.5	0.0	
100	64QAM	1	1	15.40		15.40	16.5	0.0	
100	256QAM	1	1	15.31		15.31	16.5	0.0	
Channel									
Frequency (MHz)									
90	PI2 BPSK	1	1	62668	63334	63666	Tune-up limit (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
80	PI2 BPSK	1	1	3490.02	3500.01	3510.00	limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
70	PI2 BPSK	1	1	15.38	15.40	15.37	limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
60	PI2 BPSK	1	1	15.39	15.43	15.42	limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	PI2 BPSK	1	1	63168	63334	63500	Tune-up limit (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	3470.01	3500.01	3529.98	limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	15.40	15.42	15.44	limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	15.45	15.41	15.44	limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1	15.37	15.50	15.54	limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1	15.40	15.47	15.35	limit (dBm)	MPR (dB)	



Part270 n78_Ant 6 HPUE									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	15.49	15.50	15.50	16.5	0.0	
100	PI2 BPSK	1	137	15.54	15.54	15.54	16.5	0.0	
100	PI2 BPSK	1	271	15.46	15.46	15.46	16.5	0.0	
100	PI2 BPSK	135	0	15.49	15.49	15.49	16.5	0.0	
100	PI2 BPSK	135	69	15.50	15.50	15.50	16.5	0.0	
100	PI2 BPSK	135	138	15.43	15.43	15.43	16.5	0.0	
100	PI2 BPSK	270	0	15.45	15.45	15.45	16.5	0.0	
100	QPSK	1	1	15.47	15.47	15.47	16.5	0.0	
100	QPSK	1	137	15.39	15.39	15.39	16.5	0.0	
100	QPSK	1	271	15.32	15.32	15.32	16.5	0.0	
100	QPSK	135	0	15.29	15.29	15.29	16.5	0.0	
100	QPSK	135	69	15.53	15.53	15.53	16.5	0.0	
100	QPSK	135	138	15.53	15.53	15.53	16.5	0.0	
100	QPSK	270	0	15.52	15.52	15.52	16.5	0.0	
100	16QAM	1	1	15.48	15.48	15.48	16.5	0.0	
100	64QAM	1	1	15.54	15.54	15.54	16.5	0.0	
100	256QAM	1	1	15.49	15.49	15.49	16.5	0.0	
Channel									
Frequency (MHz)									
50	PI2 BPSK	1	1	649668	650000	650332	16.5	0.0	MPR
Channel									
Frequency (MHz)									
80	PI2 BPSK	1	1	649550	650000	650450	16.5	0.0	MPR
Channel									
Frequency (MHz)									
70	PI2 BPSK	1	1	649668	650000	650332	16.5	0.0	MPR
Channel									
Frequency (MHz)									
60	PI2 BPSK	1	1	648334	650000	651666	16.5	0.0	MPR
Channel									
Frequency (MHz)									
50	PI2 BPSK	1	1	648000	650000	652000	16.5	0.0	MPR
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	647668	650000	652332	16.5	0.0	MPR
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	647334	650000	652666	16.5	0.0	MPR
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	647000	650000	653000	16.5	0.0	MPR
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1	646700	650000	653300	16.5	0.0	MPR
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1	646334	650000	653666	16.5	0.0	MPR

Part27Q n78_Ant 7 HPUE									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq. 633334	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	18.96	19.01	19.01	20.5	0.0	
100	PI2 BPSK	1	137	19.03	19.03	19.03	20.5	0.0	
100	PI2 BPSK	1	271	19.01	19.01	19.01	20.5	0.0	
100	PI2 BPSK	135	0	18.96	18.96	18.96	20.5	0.0	
100	PI2 BPSK	135	69	18.98	18.98	18.98	20.5	0.0	
100	PI2 BPSK	135	138	18.87	18.87	18.87	20.5	0.0	
100	PI2 BPSK	270	0	18.93	18.93	18.93	20.5	0.0	
100	QPSK	1	1	19.00	19.00	19.00	20.5	0.0	
100	QPSK	1	137	18.98	18.98	18.98	20.5	0.0	
100	QPSK	1	271	19.00	19.00	19.00	20.5	0.0	
100	QPSK	135	0	18.93	18.93	18.93	20.5	0.0	
100	QPSK	135	69	18.86	18.86	18.86	20.5	0.0	
100	QPSK	135	138	18.94	18.94	18.94	20.5	0.0	
100	QPSK	270	0	18.92	18.92	18.92	20.5	0.0	
100	16QAM	1	1	18.98	18.98	18.98	20.5	0.0	
100	64QAM	1	1	18.97	18.97	18.97	20.5	0.0	
100	256QAM	1	1	18.91	18.91	18.91	20.5	0.0	
Channel									
Frequency (MHz)									
90	PI2 BPSK	1	1	633000	633334	633666	16.5	0.0	MPR
Channel									
Frequency (MHz)									
80	PI2 BPSK	1	1	632668	633334	634000	16.5	0.0	MPR
Channel									
Frequency (MHz)									
70	PI2 BPSK	1	1	631334	633334	635334	16.5	0.0	MPR
Channel									
Frequency (MHz)									
60	PI2 BPSK	1	1	631000	633334	635000	16.5	0.0	MPR
Channel									
Frequency (MHz)									
50	PI2 BPSK	1	1	630668	633334	634666	16.5	0.0	MPR
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	630334	633334	634332	16.5	0.0	MPR
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	629999	633334	634000	16.5	0.0	MPR
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	629668	633334	633666	16.5	0.0	MPR
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1	629334	633334	633332	16.5	0.0	MPR
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1	629000	633334	633000	16.5	0.0	MPR

Part270 n78_Ant 7 HPUE									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	18.87	18.92	18.83	20.5	0.0	
100	PI2 BPSK	1	137	18.77	18.77	18.77	20.5	0.0	
100	PI2 BPSK	1	271	18.87	18.87	18.87	20.5	0.0	
100	PI2 BPSK	135	0	18.86	18.86	18.86	20.5	0.0	
100	PI2 BPSK	135	69	18.77	18.77	18.77	20.5	0.0	
100	PI2 BPSK	135	138	18.67	18.67	18.67	20.5	0.0	
100	PI2 BPSK	270	0	18.75	18.75	18.75	20.5	0.0	
100	QPSK	1	1	18.71	18.71	18.71	20.5	0.0	
100	QPSK	1	137	18.75	18.75	18.75	20.5	0.0	
100	QPSK	1	271	18.77	18.77	18.77	20.5	0.0	
100	QPSK	135	0	18.79	18.79	18.79	20.5	0.0	
100	QPSK	135	69	18.73	18.73	18.73	20.5	0.0	
100	QPSK	135	138	18.65	18.65	18.65	20.5	0.0	
100	QPSK	270	0	18.72	18.72	18.72	20.5	0.0	
100	16QAM	1	1	18.79	18.79	18.79	20.5	0.0	
100	64QAM	1	1	18.77	18.77	18.77	20.5	0.0	
100	256QAM	1	1	18.75	18.75	18.75	20.5	0.0	
Channel									
Frequency (MHz)									
90	PI2 BPSK	1	1	649668	650000	650332	16.5	0.0	MPR
Channel									
Frequency (MHz)									
80	PI2 BPSK	1	1	649550	650000	650450	16.5	0.0	MPR
Channel									
Frequency (MHz)									
70	PI2 BPSK	1	1	649668	650000	650332	16.5	0.0	MPR
Channel									
Frequency (MHz)									
60	PI2 BPSK	1	1	648334	650000	651666	16.5	0.0	MPR
Channel									
Frequency (MHz)									
50	PI2 BPSK	1	1	648000	650000	652000	16.5	0.0	MPR
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	647668	650000	652332	16.5	0.0	MPR
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	647334	650000	652666	16.5	0.0	MPR
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	647000	650000	653000	16.5	0.0	MPR
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1	646700	650000	653300	16.5	0.0	MPR
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1	646334	650000	653666	16.5	0.0	MPR



n7_Ant 2										
Ear (MHz)	Modulation	RF Size	RF Chant	Power CA: 17W Subcarrier	Power CA: 17W Subcarrier	Power CA: 17W Subcarrier	Power CA: 17W Subcarrier	Power CA: 17W Subcarrier	Power CA: 17W Subcarrier	Power CA: 17W Subcarrier
Frequency (MHz)										
40	P12 BPSK	1	1	21.20	21.24	21.28				0.0
40	P12 BPSK	1	108	21.21	21.26	21.30				0.0
40	P12 BPSK	1	214	21.22	21.27	21.32				0.0
40	P12 BPSK	108	0	21.07	21.10	21.13				0.0
40	P12 BPSK	108	54	21.15	21.18	21.21				0.0
40	P12 BPSK	108	108	21.07	21.10	21.13				0.0
40	P12 BPSK	216	0	21.12	21.17	21.22				0.0
40	QPSK	1	1	21.15	21.21	21.27				0.0
40	QPSK	1	108	21.16	21.17	21.18				0.0
40	QPSK	1	214	21.07	21.13	21.19				0.0
40	QPSK	108	0	21.14	21.14	21.14				0.0
40	QPSK	108	54	21.08	21.10	21.12				0.0
40	QPSK	108	108	21.08	21.10	21.12				0.0
40	QPSK	216	0	21.07	21.10	21.13				0.0
40	WDM	1	1	21.05	21.20	21.35				0.0
40	WDM	1	1	21.05	21.20	21.35				0.0
40	256QAM	1	1	20.22	20.27	20.32				1.0
Channel										
Frequency (MHz)										
30	P12 BPSK	1	1	21.12	21.17	21.22				0.0
Channel										
Frequency (MHz)										
30	P12 BPSK	1	1	21.18	21.21	21.24				0.0
Channel										
Frequency (MHz)										
30	P12 BPSK	1	1	21.24	21.27	21.30				0.0
Channel										
Frequency (MHz)										
15	P12 BPSK	1	1	21.16	21.21	21.26				0.0
Channel										
Frequency (MHz)										
15	P12 BPSK	1	1	21.17	21.24	21.31				0.0
Channel										
Frequency (MHz)										
5	P12 BPSK	1	1	21.17	21.21	21.25				0.0

n7_Ant 3										
Ear (MHz)	Modulation	RF Size	RF Chant	Power CA: 17W Subcarrier	Power CA: 17W Subcarrier	Power CA: 17W Subcarrier	Power CA: 17W Subcarrier	Power CA: 17W Subcarrier	Power CA: 17W Subcarrier	Power CA: 17W Subcarrier
Frequency (MHz)										
40	P12 BPSK	1	1	21.10	21.10	21.11				0.0
40	P12 BPSK	1	108	21.02	21.04	21.11				0.0
40	P12 BPSK	1	214	21.02	21.17	21.11				0.0
40	P12 BPSK	108	0	21.12	21.15	21.19				0.0
40	P12 BPSK	108	54	21.04	21.04	21.14				0.0
40	P12 BPSK	108	108	21.10	21.12	21.11				0.0
40	P12 BPSK	216	0	21.11	21.02	21.05				0.0
40	QPSK	1	1	21.21	21.21	21.18				0.0
40	QPSK	1	108	21.17	21.04	21.15				0.0
40	QPSK	1	214	21.08	21.11	21.02				0.0
40	QPSK	108	0	21.17	21.14	21.14				0.0
40	QPSK	108	54	21.02	21.12	21.11				0.0
40	QPSK	108	108	21.08	21.11	21.08				0.0
40	QPSK	216	0	21.11	21.15	21.13				0.0
40	WDM	1	1	21.00	21.07	21.30				0.0
40	WDM	1	1	21.03	21.02	21.21				0.0
40	256QAM	1	1	20.19	20.25	20.23				1.0
Channel										
Frequency (MHz)										
30	P12 BPSK	1	1	21.15	21.19	21.27				0.0
Channel										
Frequency (MHz)										
30	P12 BPSK	1	1	21.07	21.08	21.06				0.0
Channel										
Frequency (MHz)										
30	P12 BPSK	1	1	21.19	21.21	21.23				0.0
Channel										
Frequency (MHz)										
15	P12 BPSK	1	1	21.09	21.03	21.03				0.0
Channel										
Frequency (MHz)										
15	P12 BPSK	1	1	21.12	21.06	21.02				0.0
Channel										
Frequency (MHz)										
10	P12 BPSK	1	1	21.22	21.28	21.21				0.0
Channel										
Frequency (MHz)										
5	P12 BPSK	1	1	21.02	21.09	21.02				0.0

n66_Ant 0										
Ear (MHz)	Modulation	RF Size	RF Chant	Power CA: 17W Subcarrier	Power CA: 17W Subcarrier	Power CA: 17W Subcarrier	Power CA: 17W Subcarrier	Power CA: 17W Subcarrier	Power CA: 17W Subcarrier	Power CA: 17W Subcarrier
Frequency (MHz)										
40	P12 BPSK	1	1	21.03	21.03	21.03				0.0
40	P12 BPSK	1	108	21.03	21.03	21.03				0.0
40	P12 BPSK	1	214	21.03	21.03	21.03				0.0
40	P12 BPSK	108	0	21.18	21.20	21.08				0.0
40	P12 BPSK	108	54	21.08	21.03	21.05				0.0
40	P12 BPSK	108	108	21.02	21.22	21.08				0.0
40	P12 BPSK	216	0	21.08	21.10	21.10				0.0
40	QPSK	1	1	21.01	21.03	21.03				0.0
40	QPSK	1	108	21.01	21.03	21.03				0.0
40	QPSK	1	214	21.02	21.02	21.02				0.0
40	QPSK	108	0	21.09	21.04	21.04				0.0
40	QPSK	108	54	21.05	21.03	21.05				0.0
40	QPSK	108	108	21.05	21.05	21.05				0.0
40	QPSK	216	0	21.05	21.05	21.05				0.0
40	WDM	1	1	20.77	20.80	20.70				1.0
40	WDM	1	1	20.77	20.80	20.70				1.0
40	256QAM	1	1	19.94	19.91	19.92				1.0
Channel										
Frequency (MHz)										
30	P12 BPSK	1	1	21.04	21.04	21.04				0.0
Channel										
Frequency (MHz)										
30	P12 BPSK	1	1	21.04	21.07	21.06				0.0
Channel										
Frequency (MHz)										
15	P12 BPSK	1	1	21.01	21.02	21.01				0.0
Channel										
Frequency (MHz)										
15	P12 BPSK	1	1	21.02	21.03	21.04				0.0
Channel										
Frequency (MHz)										
5	P12 BPSK	1	1	21.02	21.04	21.07				0.0



n66_Ant 1											
Site ID	Modulation	RF Size	RF Chant	Power dBm Subcarrier	Power dBm Subcarrier	Power dBm Subcarrier	Power dBm Subcarrier	Power dBm Subcarrier	Power dBm Subcarrier	RF Size (dB)	RF Size (dB)
Frequency (MHz)											
40	PI2 BPSK	1	1	20.24	20.24	20.24				20.0	0.0
Channel											
40	PI2 BPSK	1	108	20.26	20.26	20.26				20.0	0.0
40	PI2 BPSK	1	214	20.27	20.27	20.27				20.0	0.0
40	PI2 BPSK	108	0	20.27	20.28	20.27				20.0	0.0
40	PI2 BPSK	108	54	20.25	20.26	20.27				20.0	0.0
40	PI2 BPSK	108	108	20.22	20.24	20.25				20.0	0.0
40	PI2 BPSK	216	0	20.22	20.27	20.27				20.0	0.0
40	QPSK	1	1	20.18	20.18	20.18				20.0	0.0
40	QPSK	1	108	20.20	20.20	20.20				20.0	0.0
40	QPSK	1	214	20.20	20.20	20.20				20.0	0.0
40	QPSK	108	0	20.20	20.20	20.20				20.0	0.0
40	QPSK	108	54	20.13	20.24	20.22				20.0	0.0
40	QPSK	108	108	20.18	20.18	20.18				20.0	0.0
40	QPSK	216	0	20.24	20.24	20.24				20.0	0.0
40	16QAM	1	1	20.24	20.24	20.24				20.0	0.0
40	16QAM	1	1	19.75	19.75	19.75				20.0	0.0
40	256QAM	1	1	18.15	18.24	18.27				20.0	0.0
Channel											
30	PI2 BPSK	1	1	20.24	20.24	20.24				20.0	0.0
Channel											
30	PI2 BPSK	1	1	20.28	20.28	20.28				20.0	0.0
Channel											
10	PI2 BPSK	1	1	20.20	20.24	20.18				20.0	0.0
Channel											
10	PI2 BPSK	1	1	20.20	20.24	20.18				20.0	0.0
Channel											
10	PI2 BPSK	1	1	20.25	20.27	20.17				20.0	0.0
Channel											
5	PI2 BPSK	1	1	20.21	20.28	20.18				20.0	0.0

n66_Ant 2											
Site ID	Modulation	RF Size	RF Chant	Power dBm Subcarrier	Power dBm Subcarrier	Power dBm Subcarrier	Power dBm Subcarrier	Power dBm Subcarrier	Power dBm Subcarrier	RF Size (dB)	RF Size (dB)
Frequency (MHz)											
40	PI2 BPSK	1	1	20.60	20.61	20.72				20.5	0.0
40	PI2 BPSK	1	108	20.57	20.74	20.66				20.5	0.0
40	PI2 BPSK	1	214	20.62	20.62	20.62				20.5	0.0
40	PI2 BPSK	108	0	20.64	20.57	20.55				20.5	0.0
40	PI2 BPSK	108	54	20.64	20.70	20.60				20.5	0.0
40	PI2 BPSK	108	108	20.51	20.51	20.39				20.0	0.0
40	PI2 BPSK	216	0	20.52	20.70	20.68				20.5	0.0
40	QPSK	1	1	20.57	20.72	20.72				20.5	0.0
40	QPSK	1	108	20.55	20.74	20.55				20.5	0.0
40	QPSK	1	214	20.62	20.62	20.62				20.5	0.0
40	QPSK	108	0	20.67	20.64	20.64				20.5	0.0
40	QPSK	108	54	20.69	20.67	20.73				20.5	0.0
40	QPSK	108	108	20.68	20.68	20.64				20.5	0.0
40	QPSK	216	0	20.68	20.67	20.67				20.5	0.0
40	16QAM	1	1	20.12	20.23	20.80				20.5	0.0
40	16QAM	1	1	20.12	20.17	20.17				20.5	0.0
40	256QAM	1	1	18.64	18.78	18.72				20.5	0.0
Channel											
30	PI2 BPSK	1	1	20.60	20.60	20.60				20.5	0.0
Channel											
30	PI2 BPSK	1	1	20.64	20.64	20.64				20.5	0.0
Channel											
10	PI2 BPSK	1	1	20.62	20.68	20.62				20.5	0.0
Channel											
10	PI2 BPSK	1	1	20.70	20.70	20.70				20.5	0.0
Channel											
5	PI2 BPSK	1	1	20.57	20.71	20.67				20.5	0.0

n66_Ant 3											
Site ID	Modulation	RF Size	RF Chant	Power dBm Subcarrier	Power dBm Subcarrier	Power dBm Subcarrier	Power dBm Subcarrier	Power dBm Subcarrier	Power dBm Subcarrier	RF Size (dB)	RF Size (dB)
Frequency (MHz)											
40	PI2 BPSK	1	1	20.58	20.58	20.58				20.0	0.0
40	PI2 BPSK	1	108	20.46	20.53	20.46				20.0	0.0
40	PI2 BPSK	1	214	20.54	20.54	20.54				20.0	0.0
40	PI2 BPSK	108	0	20.45	20.47	20.45				20.0	0.0
40	PI2 BPSK	108	54	20.45	20.50	20.44				20.0	0.0
40	PI2 BPSK	108	108	20.39	20.44	20.37				20.0	0.0
40	PI2 BPSK	216	0	20.42	20.42	20.41				20.0	0.0
40	QPSK	1	1	20.31	20.32	20.31				20.0	0.0
40	QPSK	1	108	20.47	20.44	20.44				20.0	0.0
40	QPSK	1	214	20.44	20.52	20.42				20.0	0.0
40	QPSK	108	0	20.42	20.44	20.42				20.0	0.0
40	QPSK	108	54	20.38	20.46	20.38				20.0	0.0
40	QPSK	108	108	20.38	20.38	20.38				20.0	0.0
40	QPSK	216	0	20.34	20.34	20.34				20.0	0.0
40	16QAM	1	1	20.16	20.33	20.43				20.0	0.0
40	16QAM	1	1	20.12	20.25	20.25				20.0	0.0
40	256QAM	1	1	18.40	18.43	18.37				20.0	0.0
Channel											
30	PI2 BPSK	1	1	20.54	20.54	20.54				20.0	0.0
Channel											
30	PI2 BPSK	1	1	20.47	20.46	20.46				20.0	0.0
Channel											
10	PI2 BPSK	1	1	20.46	20.46	20.46				20.0	0.0
Channel											
10	PI2 BPSK	1	1	20.50	20.47	20.45				20.0	0.0
Channel											
5	PI2 BPSK	1	1	20.40	20.40	20.40				20.0	0.0



DIV ID#	Modulation	HS Size	HS Offset	Power Level Ch. 1 Power	Power Level Ch. 2 Power	Power Level Ch. 3 Power	Time-up Int. (min)	MFR (dB)
Channel								
Frequency (MHz)								
40	PI2-BPSK	1	1	21.70	21.64	21.54	22.5	0.0
40	PI2-BPSK	1	0	21.62	21.60	21.61	22.5	0.0
40	PI2-BPSK	1	104	21.72	21.62	21.48	22.5	0.0
40	PI2-BPSK	0	0	21.66	21.66	21.65	22.5	0.0
40	PI2-BPSK	0	24	21.56	21.72	21.56	22.5	0.0
40	PI2-BPSK	0	0	21.60	21.64	21.61	22.5	0.0
40	PI2-BPSK	100	0	21.84	21.66	21.55	22.5	0.0
40	QPSK	1	1	21.52	21.62	21.51	22.5	0.0
40	QPSK	1	53	21.52	21.74	21.54	22.5	0.0
40	QPSK	1	104	21.62	21.62	21.49	22.5	0.0
40	QPSK	0	0	21.48	21.63	21.46	22.5	0.0
40	QPSK	0	24	21.62	21.74	21.61	22.5	0.0
40	QPSK	0	0	21.67	21.64	21.62	22.5	0.0
40	QPSK	100	0	22.07	22.01	22.02	22.5	0.0
40	MSK45	1	1	20.91	20.96	20.83	22.5	0.0
40	MSK45	1	1	20.90	20.95	20.98	22.5	0.0
40	MSK45	1	1	21.77	21.70	21.75	18.5	0.0
Channel								
Frequency (MHz)								
30	PI2-BPSK	1	1	21.67	21.78	21.49	22.5	0.0
Channel								
Frequency (MHz)								
30	PI2-BPSK	1	1	21.67	21.78	21.49	22.5	0.0
Channel								
Frequency (MHz)								
15	PI2-BPSK	1	1	21.56	21.76	21.55	22.5	0.0
Channel								
Frequency (MHz)								
15	PI2-BPSK	1	1	21.56	21.76	21.55	22.5	0.0

DIV ID#	Modulation	HS Size	HS Offset	Power Level Ch. 1 Power	Power Level Ch. 2 Power	Power Level Ch. 3 Power	Time-up Int. (min)	MFR (dB)
Channel								
Frequency (MHz)								
40	PI2-BPSK	1	1	20.27	20.25	20.15	21.5	0.0
40	PI2-BPSK	1	0	20.19	20.20	20.19	21.5	0.0
40	PI2-BPSK	1	104	20.12	20.15	20.07	21.5	0.0
40	PI2-BPSK	0	0	20.21	20.20	20.19	21.5	0.0
40	PI2-BPSK	0	24	20.10	20.27	20.10	21.5	0.0
40	PI2-BPSK	0	0	20.16	20.19	20.18	21.5	0.0
40	PI2-BPSK	100	0	20.33	20.11	20.09	21.5	0.0
40	QPSK	1	1	20.19	20.23	20.27	21.5	0.0
40	QPSK	1	53	20.22	20.28	20.21	21.5	0.0
40	QPSK	1	104	20.18	20.20	20.18	21.5	0.0
40	QPSK	0	0	20.20	20.20	20.18	21.5	0.0
40	QPSK	0	24	20.19	20.28	20.27	21.5	0.0
40	QPSK	0	0	20.23	20.23	20.20	21.5	0.0
40	QPSK	100	0	20.42	20.23	20.21	21.5	0.0
40	MSK45	1	1	20.23	20.21	20.20	21.5	0.0
40	MSK45	1	1	20.20	20.20	20.15	21.5	0.0
40	MSK45	1	1	21.11	21.05	21.11	18.5	0.0
Channel								
Frequency (MHz)								
30	PI2-BPSK	1	1	20.22	20.20	20.17	21.5	0.0
Channel								
Frequency (MHz)								
30	PI2-BPSK	1	1	20.22	20.20	20.17	21.5	0.0
Channel								
Frequency (MHz)								
15	PI2-BPSK	1	1	20.14	20.25	20.14	21.5	0.0
Channel								
Frequency (MHz)								
15	PI2-BPSK	1	1	20.15	20.25	20.16	21.5	0.0

DIV ID#	Modulation	HS Size	HS Offset	Power Level Ch. 1 Power	Power Level Ch. 2 Power	Power Level Ch. 3 Power	Time-up Int. (min)	MFR (dB)
Channel								
Frequency (MHz)								
40	PI2-BPSK	1	1	21.66	21.72	21.67	22.0	0.0
40	PI2-BPSK	1	0	21.54	21.62	21.54	22.0	0.0
40	PI2-BPSK	1	104	21.63	21.66	21.67	22.0	0.0
40	PI2-BPSK	0	0	21.67	21.68	21.67	22.0	0.0
40	PI2-BPSK	0	24	21.60	21.64	21.67	22.0	0.0
40	PI2-BPSK	0	0	21.62	21.65	21.65	22.0	0.0
40	PI2-BPSK	100	0	21.81	21.62	21.56	22.0	0.0
40	QPSK	1	1	21.66	21.70	21.64	22.0	0.0
40	QPSK	1	53	21.52	21.62	21.56	22.0	0.0
40	QPSK	1	104	21.64	21.66	21.62	22.0	0.0
40	QPSK	0	0	21.66	21.68	21.66	22.0	0.0
40	QPSK	0	24	21.62	21.64	21.66	22.0	0.0
40	QPSK	0	0	21.65	21.65	21.65	22.0	0.0
40	QPSK	100	0	21.82	21.62	21.58	22.0	0.0
40	MSK45	1	1	21.62	21.67	21.64	21.5	0.0
40	MSK45	1	1	21.67	21.70	21.66	22.0	0.0
40	MSK45	1	1	21.70	21.65	21.70	18.5	0.0
Channel								
Frequency (MHz)								
30	PI2-BPSK	1	1	21.54	21.62	21.54	22.0	0.0
Channel								
Frequency (MHz)								
30	PI2-BPSK	1	1	21.54	21.62	21.54	22.0	0.0
Channel								
Frequency (MHz)								
15	PI2-BPSK	1	1	21.64	21.76	21.66	22.0	0.0
Channel								
Frequency (MHz)								
15	PI2-BPSK	1	1	21.67	21.76	21.68	22.0	0.0

DIV ID#	Modulation	HS Size	HS Offset	Power Level Ch. 1 Power	Power Level Ch. 2 Power	Power Level Ch. 3 Power	Time-up Int. (min)	MFR (dB)
Channel								
Frequency (MHz)								
40	PI2-BPSK	1	1	21.49	21.45	21.40	22.5	0.0
40	PI2-BPSK	1	0	21.44	21.42	21.41	22.5	0.0
40	PI2-BPSK	1	104	21.53	21.50	21.50	22.5	0.0
40	PI2-BPSK	0	0	21.45	21.49	21.46	22.5	0.0
40	PI2-BPSK	0	24	21.40	21.50	21.41	22.5	0.0
40	PI2-BPSK	0	0	21.46	21.48	21.41	22.5	0.0
40	PI2-BPSK	100	0	21.69	21.52	21.49	22.5	0.0
40	QPSK	1	1	21.42	21.41	21.41	22.5	0.0
40	QPSK	1	53	21.42	21.45	21.38	22.5	0.0
40	QPSK	1	104	21.46	21.46	21.44	22.5	0.0
40	QPSK	0	0	21.43	21.48	21.45	22.5	0.0
40	QPSK	0	24	21.38	21.47	21.41	22.5	0.0
40	QPSK	0	0	21.44	21.44	21.43	22.5	0.0
40	QPSK	100	0	21.62	21.42	21.39	22.5	0.0
40	MSK45	1	1	21.40	21.40	21.39	22.5	0.0
40	MSK45	1	1	21.54	21.54	21.40	18.5	0.0
40	MSK45	1	1	21.55	21.55	21.55	18.5	0.0
Channel								
Frequency (MHz)								
30	PI2-BPSK	1	1	21.52	21.58	21.48	22.5	0.0
Channel								
Frequency (MHz)								
30	PI2-BPSK	1	1	21.52	21.58	21.48	22.5	0.0
Channel								
Frequency (MHz)								
15	PI2-BPSK	1	1	21.44	21.61	21.44	22.5	0.0
Channel								
Frequency (MHz)								
15	PI2-BPSK	1	1	21.45	21.60	21.45	22.5	0.0



МОДЕЛЬНЫЕ
РАСЧЕТЫ

Par27Q n77_Ant 4									
BW (MHz)	Modulation	RB Data	RB ChSig	Power Low ChL (mW)	Power MidCh (mW)	Power High (mW)	Time-up time (sec)	MFC (dB)	
Frequency (MHz)									
100	P1/2 BPSK	1	1	18.74			200	0.0	
100	P1/2 BPSK	1	137	18.74					
100	P1/2 BPSK	1	271	18.81					
100	P1/2 BPSK	135	0	18.87			200	0.0	
100	P1/2 BPSK	135	88	18.82			200	0.0	
100	P1/2 BPSK	135	138	18.82					
100	P1/2 BPSK	270	0	18.79			200	0.0	
100	QPSK	1	1	18.74					
100	QPSK	1	137	18.87			200	0.0	
100	QPSK	1	271	18.79					
100	QPSK	135	0	18.82					
100	QPSK	135	88	18.84			200	0.0	
100	QPSK	135	138	18.83					
100	QPSK	270	0	18.83			200	0.0	
100	MSK64	1	1	18.87			200	0.0	
100	MSK64	1	1	18.84			200	0.0	
100	MSK64	1	1	18.87			200	0.0	
Channel									
Frequency (MHz)									
90	P1/2 BPSK	1	1	18.89	18.87	18.79	200	0.0	
Channel									
Frequency (MHz)									
90	P1/2 BPSK	1	1	18.82	18.84	18.84	200	0.0	
Channel									
Frequency (MHz)									
90	P1/2 BPSK	1	1	18.84	18.84	18.84	200	0.0	
Channel									
Frequency (MHz)									
90	P1/2 BPSK	1	1	18.87	18.85	18.83	200	0.0	
Channel									
Frequency (MHz)									
90	P1/2 BPSK	1	1	18.83	18.85	18.85	200	0.0	
Channel									
Frequency (MHz)									
90	P1/2 BPSK	1	1	18.81	18.85	18.87	200	0.0	
Channel									
Frequency (MHz)									
90	P1/2 BPSK	1	1	18.83	18.84	18.84	200	0.0	
Channel									
Frequency (MHz)									
90	P1/2 BPSK	1	1	18.83	18.83	18.83	200	0.0	

Par27O n77_Ant 4									
BW (MHz)	Modulation	RB Data	RB ChSig	Power Low ChL (mW)	Power MidCh (mW)	Power High (mW)	Time-up time (sec)	MFC (dB)	
Frequency (MHz)									
100	P1/2 BPSK	1	1	18.30	18.44	18.41			
100	P1/2 BPSK	1	137	18.33	18.36	18.27	200	0.0	
100	P1/2 BPSK	1	271	18.21	18.25	18.21			
100	P1/2 BPSK	135	0	18.15	18.27	18.24	200	0.0	
100	P1/2 BPSK	135	88	18.21	18.20	18.22	200	0.0	
100	P1/2 BPSK	135	138	18.16	18.16	18.11			
100	P1/2 BPSK	270	0	18.18	18.22	18.20	200	0.0	
100	QPSK	1	1	18.21	18.27	18.20			
100	QPSK	1	137	18.24	18.22	18.24	200	0.0	
100	QPSK	1	271	18.14	18.24	18.20			
100	QPSK	135	0	18.22	18.15	18.11			
100	QPSK	135	88	18.22	18.24	18.11	200	0.0	
100	QPSK	135	138	18.14	18.16	18.10	200	0.0	
100	QPSK	270	0	18.24	18.26	18.25	200	0.0	
100	MSK64	1	1	18.24	18.26	18.25	200	0.0	
100	MSK64	1	1	18.26	18.28	18.28	200	0.0	
100	MSK64	1	1	18.24	18.24	18.24	200	0.0	
Channel									
Frequency (MHz)									
90	P1/2 BPSK	1	1	18.24	18.44	18.28	200	0.0	
Channel									
Frequency (MHz)									
90	P1/2 BPSK	1	1	18.13	18.28	18.25	200	0.0	
Channel									
Frequency (MHz)									
90	P1/2 BPSK	1	1	18.15	18.21	18.20	200	0.0	
Channel									
Frequency (MHz)									
90	P1/2 BPSK	1	1	18.26	18.28	18.28	200	0.0	
Channel									
Frequency (MHz)									
90	P1/2 BPSK	1	1	18.26	18.28	18.28	200	0.0	
Channel									
Frequency (MHz)									
90	P1/2 BPSK	1	1	18.26	18.28	18.28	200	0.0	
Channel									
Frequency (MHz)									
90	P1/2 BPSK	1	1	18.27	18.28	18.28	200	0.0	
Channel									
Frequency (MHz)									
90	P1/2 BPSK	1	1	18.18	18.27	18.28	200	0.0	
Channel									
Frequency (MHz)									
90	P1/2 BPSK	1	1	18.24	18.28	18.24	200	0.0	
Channel									
Frequency (MHz)									
90	P1/2 BPSK	1	1	18.21	18.28	18.28	200	0.0	
Channel									
Frequency (MHz)									
90	P1/2 BPSK	1	1	18.25	18.25	18.25	200	0.0	

Par27Q n77_Ant 5									
BW (MHz)	Modulation	RB Data	RB ChSig	Power Low ChL (mW)	Power MidCh (mW)	Power High (mW)	Time-up time (sec)	MFC (dB)	
Frequency (MHz)									
100	P1/2 BPSK	1	1	17.66					
100	P1/2 BPSK	1	137	17.61			192	0.0	
100	P1/2 BPSK	1	271	17.57					
100	P1/2 BPSK	135	0	17.62					
100	P1/2 BPSK	135	88	17.68			192	0.0	
100	P1/2 BPSK	135	138	17.64					
100	P1/2 BPSK	270	0	17.68			192	0.0	
100	QPSK	1	1	17.62					
100	QPSK	1	137	17.70			192	0.0	
100	QPSK	1	271	17.62					
100	QPSK	135	0	17.67					
100	QPSK	135	88	17.70			192	0.0	
100	QPSK	135	138	17.64					
100	QPSK	270	0	17.72			192	0.0	
100	MSK64	1	1	17.67			192	0.0	
100	MSK64	1	1	17.68			192	0.0	
100	MSK64	1	1	17.72			192	0.0	
Channel									
Frequency (MHz)									
90	P1/2 BPSK	1	1	17.66	17.61	17.71	192	0.0	
Channel									
Frequency (MHz)									
90	P1/2 BPSK	1	1	17.64	17.64	17.72	192	0.0	
Channel									
Frequency (MHz)									
90	P1/2 BPSK	1	1	17.65	17.67	17.72	192	0.0	
Channel									
Frequency (MHz)									
90	P1/2 BPSK	1	1	17.65	17.71	17.72	192	0.0	
Channel									
Frequency (MHz)									
90	P1/2 BPSK	1	1	17.72	17.72	17.72	192	0.0	
Channel									
Frequency (MHz)									
90	P1/2 BPSK	1	1	17.72	17.72	17.72	192	0.0	
Channel									
Frequency (MHz)									
90	P1/2 BPSK	1	1	17.72	17.72	17.72	192	0.0	
Channel									
Frequency (MHz)									
90	P1/2 BPSK	1	1	17.71	17.74	17.72	192	0.0	
Channel									
Frequency (MHz)									
90	P1/2 BPSK	1	1	17.77	17.81	17.82	192	0.0	
Channel									
Frequency (MHz)									
90	P1/2 BPSK	1	1	17.66	17.74	17.74	192	0.0	
Channel									
Frequency (MHz)									
90	P1/2 BPSK	1	1	17.66	17.72	17.74	192	0.0	
Channel									
Frequency (MHz)									
90	P1/2 BPSK	1	1	17.67	17.72	17.72	192	0.0	
Channel									
Frequency (MHz)									
90	P1/2 BPSK	1	1	17.67	17.72	17.74	192	0.0	



n66_Ant 1										
Site ID#	Modulation	RIS Size	RIS Chant	Low Power Channel	Center Frequency	High Power Channel	Power Class	Power Class	Power Class	Power Class
40	P102 BPSK	1	1	2237	2236	2235	24.5	0.0		
40	P102 BPSK	1	108	2244	2237	2237	24.5	0.0		
40	P102 BPSK	1	214	2239	2234	2234	24.5	0.0		
40	P102 BPSK	108	0	2234	2238	2238	24.5	0.0		
40	P102 BPSK	108	54	2236	2241	2234	24.5	0.0		
40	P102 BPSK	108	108	2237	2235	2235	24.5	0.0		
40	P102 BPSK	214	0	2239	2235	2235	24.5	0.0		
40	QPSK	1	1	2233	2237	2237	24.5	0.0		
40	QPSK	1	108	2238	2233	2233	24.5	0.0		
40	QPSK	1	214	2238	2231	2231	24.5	0.0		
40	QPSK	108	0	2233	2239	2239	24.5	0.0		
40	QPSK	108	54	2235	2240	2239	24.5	0.0		
40	QPSK	108	108	2236	2236	2236	24.5	0.0		
40	QPSK	214	0	2235	2238	2238	24.5	0.0		
40	WDM	1	1	2146	2138	2137	24.5	0.0		
40	WDM	1	1	1876	1868	1867	24.5	0.0		
40	200CHM	1	1	1876	1862	1862	24.5	0.0		
	Frequency MHz			1922	1942	1942	24.5	0.0		
30	P102 BPSK	1	1	2233	2234	2234	24.5	0.0		
	Channel			24400	24400	24400	24.5	0.0		
	Frequency MHz			1922	1926	1926	24.5	0.0		
30	P102 BPSK	1	1	2237	2231	2231	24.5	0.0		
	Channel			17172	17174	17174	24.5	0.0		
	Frequency MHz			17172	17174	17174	24.5	0.0		
15	P102 BPSK	1	1	2234	2234	2234	24.5	0.0		
	Channel			24400	24400	24400	24.5	0.0		
	Frequency MHz			1922	1926	1926	24.5	0.0		
10	P102 BPSK	1	1	2234	2235	2235	24.5	0.0		
	Channel			24400	24400	24400	24.5	0.0		
	Frequency MHz			1924	1924	1924	24.5	0.0		
5	P102 BPSK	1	1	2235	2235	2234	24.5	0.0		

n66_Ant 2										
Site ID#	Modulation	RIS Size	RIS Chant	Low Power Channel	Center Frequency	High Power Channel	Power Class	Power Class	Power Class	Power Class
40	P102 BPSK	1	1	2240	2241	2242	24.5	0.0		
40	P102 BPSK	1	108	2247	2241	2241	24.5	0.0		
40	P102 BPSK	1	214	2242	2239	2239	24.5	0.0		
40	P102 BPSK	108	0	2241	2247	2247	24.5	0.0		
40	P102 BPSK	108	54	2243	2242	2242	24.5	0.0		
40	P102 BPSK	108	108	2244	2240	2240	24.5	0.0		
40	P102 BPSK	214	0	2242	2242	2242	24.5	0.0		
40	QPSK	1	1	2240	2242	2242	24.5	0.0		
40	QPSK	1	108	2247	2240	2240	24.5	0.0		
40	QPSK	1	214	2243	2242	2242	24.5	0.0		
40	QPSK	108	0	2240	2247	2247	24.5	0.0		
40	QPSK	108	54	2242	2243	2243	24.5	0.0		
40	QPSK	108	108	2243	2244	2244	24.5	0.0		
40	QPSK	214	0	2242	2242	2242	24.5	0.0		
40	WDM	1	1	2112	2102	2102	24.5	0.0		
40	WDM	1	1	1876	1877	1877	24.5	0.0		
40	200CHM	1	1	1876	1876	1876	24.5	0.0		
	Channel			24400	24400	24400	24.5	0.0		
30	P102 BPSK	1	1	2239	2239	2239	24.5	0.0		
	Channel			24400	24400	24400	24.5	0.0		
	Frequency MHz			1922	1926	1926	24.5	0.0		
20	P102 BPSK	1	1	2248	2248	2248	24.5	0.0		
	Channel			24400	24400	24400	24.5	0.0		
	Frequency MHz			1913	1913	1913	24.5	0.0		
15	P102 BPSK	1	1	2247	2247	2247	24.5	0.0		
	Channel			24400	24400	24400	24.5	0.0		
	Frequency MHz			1913	1913	1913	24.5	0.0		
10	P102 BPSK	1	1	2248	2248	2248	24.5	0.0		
	Channel			24400	24400	24400	24.5	0.0		
	Frequency MHz			1913	1913	1913	24.5	0.0		
5	P102 BPSK	1	1	2247	2247	2247	24.5	0.0		

n66_Ant 3										
Site ID#	Modulation	RIS Size	RIS Chant	Low Power Channel	Center Frequency	High Power Channel	Power Class	Power Class	Power Class	Power Class
40	P102 BPSK	1	1	2240	2240	2240	24.5	0.0		
40	P102 BPSK	1	108	2247	2240	2240	24.5	0.0		
40	P102 BPSK	1	214	2242	2239	2239	24.5	0.0		
40	P102 BPSK	108	0	2240	2247	2247	24.5	0.0		
40	P102 BPSK	108	54	2242	2241	2241	24.5	0.0		
40	P102 BPSK	108	108	2243	2240	2240	24.5	0.0		
40	P102 BPSK	214	0	2242	2242	2242	24.5	0.0		
40	QPSK	1	1	2240	2242	2242	24.5	0.0		
40	QPSK	1	108	2247	2240	2240	24.5	0.0		
40	QPSK	1	214	2242	2242	2242	24.5	0.0		
40	QPSK	108	0	2240	2247	2247	24.5	0.0		
40	QPSK	108	54	2242	2243	2243	24.5	0.0		
40	QPSK	108	108	2243	2244	2244	24.5	0.0		
40	QPSK	214	0	2242	2242	2242	24.5	0.0		
40	WDM	1	1	2112	2102	2102	24.5	0.0		
40	WDM	1	1	1876	1877	1877	24.5	0.0		
40	200CHM	1	1	1876	1876	1876	24.5	0.0		
	Channel			24400	24400	24400	24.5	0.0		
30	P102 BPSK	1	1	2239	2239	2239	24.5	0.0		
	Channel			24400	24400	24400	24.5	0.0		
	Frequency MHz			1922	1926	1926	24.5	0.0		
20	P102 BPSK	1	1	2248	2248	2248	24.5	0.0		
	Channel			24400	24400	24400	24.5	0.0		
	Frequency MHz			1913	1913	1913	24.5	0.0		
15	P102 BPSK	1	1	2247	2247	2247	24.5	0.0		
	Channel			24400	24400	24400	24.5	0.0		
	Frequency MHz			1913	1913	1913	24.5	0.0		
10	P102 BPSK	1	1	2248	2248	2248	24.5	0.0		
	Channel			24400	24400	24400	24.5	0.0		
	Frequency MHz			1913	1913	1913	24.5	0.0		
5	P102 BPSK	1	1	2247	2247	2247	24.5	0.0		



Par27Q n77_Ant 4									
RF (MHz)	Multiplex	RF Size	RF Chan	Power Low Ch. (W)	Power High Ch. (W)	Power Tgt. (W)	Time-up Int. (sec)	MPT (dB)	
Channel									
Frequency (MHz)									
100	P102-BPSC	1	1	24.48	24.48	24.48	25.5	0.0	
100	P102-BPSC	1	137	24.48	24.48	24.48	25.5	0.0	
100	P102-BPSC	1	271	24.48	24.48	24.48	25.5	0.0	
100	P102-BPSC	150	0	24.48	24.48	24.48	25.5	0.0	
100	P102-BPSC	135	88	24.48	24.48	24.48	25.5	0.0	
100	P102-BPSC	135	138	24.48	24.48	24.48	25.5	0.0	
100	P102-BPSC	270	0	24.48	24.48	24.48	25.5	0.0	
100	CPSC	1	1	24.48	24.48	24.48	25.5	0.0	
100	CPSC	1	137	24.48	24.48	24.48	25.5	0.0	
100	CPSC	1	271	24.48	24.48	24.48	25.5	0.0	
100	CPSC	150	0	24.48	24.48	24.48	25.5	0.0	
100	CPSC	135	88	24.48	24.48	24.48	25.5	0.0	
100	CPSC	135	138	24.48	24.48	24.48	25.5	0.0	
100	CPSC	270	0	24.48	24.48	24.48	25.5	0.0	
100	NSCMM	1	1	24.48	24.48	24.48	25.5	0.0	
100	NSCMM	1	1	24.48	24.48	24.48	25.5	0.0	
Channel									
Frequency (MHz)									
30	P102-BPSC	1	1	24.36	24.36	24.36	25.5	0.0	
Channel									
Frequency (MHz)									
30	P102-BPSC	1	1	24.36	24.36	24.36	25.5	0.0	
Channel									
Frequency (MHz)									
70	P102-BPSC	1	1	24.36	24.36	24.36	25.5	0.0	
Channel									
Frequency (MHz)									
90	P102-BPSC	1	1	24.36	24.36	24.36	25.5	0.0	
Channel									
Frequency (MHz)									
10	P102-BPSC	1	1	24.36	24.36	24.36	25.5	0.0	
Channel									
Frequency (MHz)									
15	P102-BPSC	1	1	24.36	24.36	24.36	25.5	0.0	
Channel									
Frequency (MHz)									
30	P102-BPSC	0	0	24.48	24.48	24.48	25.5	0.0	

Par27O n77_Ant 4									
RF (MHz)	Multiplex	RF Size	RF Chan	Power Low Ch. (W)	Power High Ch. (W)	Power Tgt. (W)	Time-up Int. (sec)	MPT (dB)	
Channel									
Frequency (MHz)									
100	P102-BPSC	1	1	23.90	23.91	23.74	25.5	0.0	
100	P102-BPSC	1	137	23.77	23.88	23.78	25.5	0.0	
100	P102-BPSC	1	271	23.59	23.76	23.51	25.5	0.0	
100	P102-BPSC	150	0	23.28	23.32	23.14	25.5	0.0	
100	P102-BPSC	135	88	23.70	23.79	23.57	25.5	0.0	
100	P102-BPSC	135	138	23.14	23.35	23.05	25.5	0.0	
100	P102-BPSC	270	0	23.16	23.22	23.09	25.5	0.0	
100	CPSC	1	1	23.57	23.57	23.74	25.5	0.0	
100	CPSC	1	137	23.81	23.84	23.82	25.5	0.0	
100	CPSC	150	0	23.55	23.57	23.56	25.5	0.0	
100	CPSC	135	88	23.66	23.74	23.60	25.5	0.0	
100	CPSC	135	138	23.25	23.77	23.50	25.5	0.0	
100	CPSC	270	0	23.64	23.71	23.50	24.5	1.0	
100	NSCMM	1	1	23.08	23.08	23.00	24.5	1.0	
100	NSCMM	1	1	23.45	23.53	23.33	25.0	0.5	
100	NSCMM	1	1	23.11	23.13	23.10	24.5	0.5	
Channel									
Frequency (MHz)									
30	P102-BPSC	1	1	23.87	23.88	23.71	25.5	0.0	
Channel									
Frequency (MHz)									
70	P102-BPSC	1	1	23.80	23.80	23.63	25.5	0.0	
Channel									
Frequency (MHz)									
90	P102-BPSC	1	1	23.80	23.83	23.68	25.5	0.0	
Channel									
Frequency (MHz)									
10	P102-BPSC	1	1	23.80	23.80	23.63	25.5	0.0	
Channel									
Frequency (MHz)									
15	P102-BPSC	1	1	23.79	23.86	23.61	25.5	0.0	
Channel									
Frequency (MHz)									
30	P102-BPSC	1	1	23.80	23.80	23.63	25.5	0.0	
Channel									
Frequency (MHz)									
70	P102-BPSC	1	1	23.80	23.80	23.63	25.5	0.0	
Channel									
Frequency (MHz)									
90	P102-BPSC	1	1	23.80	23.80	23.63	25.5	0.0	
Channel									
Frequency (MHz)									
10	P102-BPSC	1	1	23.80	23.80	23.63	25.5	0.0	
Channel									
Frequency (MHz)									
15	P102-BPSC	1	1	23.80	23.80	23.63	25.5	0.0	
Channel									
Frequency (MHz)									
30	P102-BPSC	0	0	23.90	23.90	23.74	25.5	0.0	

Par27Q n77_Ant 5									
RF (MHz)	Multiplex	RF Size	RF Chan	Power Low Ch. (W)	Power High Ch. (W)	Power Tgt. (W)	Time-up Int. (sec)	MPT (dB)	
Channel									
Frequency (MHz)									
100	P102-BPSC	1	1	24.36	24.36	24.36	25.5	0.0	
100	P102-BPSC	1	137	24.36	24.36	24.36	25.5	0.0	
100	P102-BPSC	1	271	24.36	24.36	24.36	25.5	0.0	
100	P102-BPSC	150	0	24.36	24.36	24.36	25.5	0.0	
100	P102-BPSC	135	88	24.36	24.36	24.36	25.5	0.0	
100	P102-BPSC	135	138	24.36	24.36	24.36	25.5	0.0	
100	P102-BPSC	270	0	24.36	24.36	24.36	25.5	0.0	
100	CPSC	1	1	24.36	24.36	24.36	25.5	0.0	
100	CPSC	1	137	24.36	24.36	24.36	25.5	0.0	
100	CPSC	1	271	24.36	24.36	24.36	25.5	0.0	
100	CPSC	150	0	24.36	24.36	24.36	25.5	0.0	
100	CPSC	135	88	24.36	24.36	24.36	25.5	0.0	
100	CPSC	135	138	24.36	24.36	24.36	25.5	0.0	
100	CPSC	270	0	24.36	24.36	24.36	25.5	0.0	
100	NSCMM	1	1	24.36	24.36	24.36	25.5	0.0	
100	NSCMM	1	1	24.36	24.36	24.36	25.5	0.0	
Channel									
Frequency (MHz)									
30	P102-BPSC	1	1	24.24	24.24	24.24	25.5	0.0	
Channel									
Frequency (MHz)									
70	P102-BPSC	1	1	24.24	24.24	24.24	25.5	0.0	
Channel									
Frequency (MHz)									
90	P102-BPSC	1	1	24.24	24.24	24.24	25.5	0.0	
Channel									
Frequency (MHz)									
10	P102-BPSC	1	1	24.24	24.24	24.24	25.5	0.0	
Channel									
Frequency (MHz)									
15	P102-BPSC	1	1	24.24	24.24	24.24	25.5	0.0	
Channel									
Frequency (MHz)									
30	P102-BPSC	0	0	24.36	24.36	24.36	25.5	0.0	



Par27Q n77_Ant 7										
RF (MHz)	Multicast	RF Size	RF Chnl	Power Low Chl (Frac)	Power High Chl (Frac)	Power High (Frac)	Time-up Int (min)	MFC (sec)		
Channel										
Frequency (MHz)										
100	P102-BPSC	1	1	15.86	15.86				20.5	0.0
100	P102-BPSC	1	137	15.73						
100	P102-BPSC	1	271	15.54						
100	P102-BPSC	135	0	15.82					20.5	0.0
100	P102-BPSC	135	88	15.77					20.5	0.0
100	P102-BPSC	135	134	15.62						
100	P102-BPSC	270	0	15.70					20.5	0.0
100	CPSC	1	1	15.72						
100	CPSC	1	137	15.61					20.5	0.0
100	CPSC	1	271	15.46						
100	CPSC	135	0	15.74						
100	CPSC	135	88	15.71					20.5	0.0
100	CPSC	135	134	15.56						
100	CPSC	270	0	15.67					20.5	0.0
100	CPSC	135	134	15.76					20.5	0.0
100	MSCAM	1	1	15.78					20.5	0.0
100	MSCAM	1	1	15.58					20.5	0.0
100	MSCAM	1	1	15.76					20.5	0.0
Channel										
Frequency (MHz)										
30	P102-BPSC	1	1	15.95	15.95	15.95			20.5	0.0
30	P102-BPSC	1	1	15.76	15.77	15.71			20.5	0.0
Channel										
Frequency (MHz)										
100	P102-BPSC	1	1	15.74	15.74	15.74			20.5	0.0
Channel										
Frequency (MHz)										
70	P102-BPSC	1	1	15.75	15.82	15.76			20.5	0.0
Channel										
Frequency (MHz)										
50	P102-BPSC	1	1	15.72	15.82	15.76			20.5	0.0
Channel										
Frequency (MHz)										
30	P102-BPSC	1	1	15.72	15.81	15.75			20.5	0.0
Channel										
Frequency (MHz)										
40	P102-BPSC	1	1	15.77	15.83	15.80			20.5	0.0
Channel										
Frequency (MHz)										
30	P102-BPSC	1	1	15.76	15.81	15.80			20.5	0.0
Channel										
Frequency (MHz)										
20	P102-BPSC	1	1	15.76	15.80	15.81			20.5	0.0
Channel										
Frequency (MHz)										
15	P102-BPSC	1	1	15.74	15.78	15.74			20.5	0.0
Channel										
Frequency (MHz)										
30	P102-BPSC	1	1	15.73	15.81	15.81			20.5	0.0

Par27Q n77_Ant 7										
RF (MHz)	Multicast	RF Size	RF Chnl	Power Low Chl (Frac)	Power High Chl (Frac)	Power High (Frac)	Time-up Int (min)	MFC (sec)		
Channel										
Frequency (MHz)										
100	P102-BPSC	1	1	15.83	15.85	15.84			20.5	0.0
100	P102-BPSC	1	137	15.69						
100	P102-BPSC	1	271	15.71	15.76	15.75				
100	P102-BPSC	135	0	15.74	15.84	15.84	20.5	0.0		
100	P102-BPSC	135	88	15.69	15.73	15.73	20.5	0.0		
100	P102-BPSC	135	134	15.65	15.61	15.70				
100	P102-BPSC	270	0	15.61	15.52	15.61	20.5	0.0		
100	CPSC	1	1	15.71	15.74	15.71				
100	CPSC	1	137	15.72	15.82	15.82	20.5	0.0		
100	CPSC	1	271	15.57	15.71	15.71				
100	CPSC	135	0	15.61	15.65	15.61				
100	CPSC	135	88	15.60	15.60	15.60	20.5	0.0		
100	CPSC	135	134	15.59	15.59	15.59	20.5	0.0		
100	CPSC	270	0	15.60	15.67	15.70	20.5	0.0		
100	CPSC	135	134	15.62	15.76	15.76	20.5	0.0		
100	MSCAM	1	1	15.69	15.82	15.78	20.5	0.0		
100	MSCAM	1	1	15.69	15.80	15.81	20.5	0.0		
100	MSCAM	1	1	15.70	15.70	15.71	20.5	0.0		
Channel										
Frequency (MHz)										
30	P102-BPSC	1	1	15.98	15.93	15.90			20.5	0.0
Channel										
Frequency (MHz)										
100	P102-BPSC	1	1	15.73	15.73	15.73			20.5	0.0
Channel										
Frequency (MHz)										
70	P102-BPSC	1	1	15.61	15.76	15.74			20.5	0.0
Channel										
Frequency (MHz)										
50	P102-BPSC	1	1	15.62	15.66	15.67			20.5	0.0
Channel										
Frequency (MHz)										
30	P102-BPSC	1	1	15.61	15.60	15.61			20.5	0.0
Channel										
Frequency (MHz)										
40	P102-BPSC	1	1	15.60	15.61	15.61			20.5	0.0
Channel										
Frequency (MHz)										
30	P102-BPSC	1	1	15.65	15.69	15.69			20.5	0.0
Channel										
Frequency (MHz)										
20	P102-BPSC	1	1	15.63	15.63	15.63			20.5	0.0
Channel										
Frequency (MHz)										
15	P102-BPSC	1	1	15.67	15.78	15.80			20.5	0.0
Channel										
Frequency (MHz)										
30	P102-BPSC	1	1	15.61	15.62	15.62			20.5	0.0

Par27Q n78_Ant 4 HPUE										
RF (MHz)	Multicast	RF Size	RF Chnl	Power Low Chl (Frac)	Power High Chl (Frac)	Power High (Frac)	Time-up Int (min)	MFC (sec)		
Channel										
Frequency (MHz)										
100	P102-BPSC	1	1	24.60	24.60	24.60			20.5	0.0
100	P102-BPSC	1	137	24.58						
100	P102-BPSC	1	271	24.55						
100	P102-BPSC	135	0	24.61					20.5	0.0
100	P102-BPSC	135	88	24.58					20.5	0.0
100	P102-BPSC	135	134	24.52						
100	P102-BPSC	270	0	24.61					20.5	0.0
100	CPSC	1	1	24.58						
100	CPSC	1	137	24.50					20.5	0.0
100	CPSC	1	271	24.48						
100	CPSC	135	0	24.57						
100	CPSC	135	88	24.52					20.5	0.0
100	CPSC	135	134	24.47						
100	CPSC	270	0	24.59					20.5	1.0
100	CPSC	135	134	24.57					20.5	1.0
100	MSCAM	1	1	24.57					20.5	1.0
100	MSCAM	1	1	24.51					20.5	2.0
100	MSCAM	1	1	24.53					20.5	4.0
Channel										
Frequency (MHz)										
30	P102-BPSC	1	1	24.60	24.61	24.61			20.5	0.0
Channel										
Frequency (MHz)										
100	P102-BPSC	1	1	24.54	24.54	24.54			20.5	0.0
Channel										
Frequency (MHz)										
70	P102-BPSC	1	1	24.45	24.61	24.61			20.5	0.0
Channel										
Frequency (MHz)										
50	P102-BPSC	1	1	24.64	24.67	24.61			20.5	0.0
Channel										
Frequency (MHz)										
30	P102-BPSC	1	1	24.63	24.64	24.63			20.5	0.0
Channel										
Frequency (MHz)										
40	P102-BPSC	1	1	24.53	24.60	24.61			20.5	0.0
Channel										
Frequency (MHz)										
30	P102-BPSC	1	1	24.61	24.62	24.62			20.5	0.0
Channel										
Frequency (MHz)										
20	P102-BPSC	1	1	24.58	24.61	24.61			20.5	0.0
Channel										
Frequency (MHz)										
15	P102-BPSC	1	1	24.58	24.60	24.62			20.5	0.0
Channel										
Frequency (MHz)										
30	P102-BPSC	1	1	24.52	24.54	24.54			20.5	0.0



Par27Q n77_Ant 6										
SRV (MHz)	Multicast	RS Desc	RS Chnl	Power Low Chl (W)	Power Mid Chl (W)	Power High Chl (W)	Time-up Int (min)	MPT (dB)		
Frequency (MHz)										
100	P102-BPSC	1	1		15.43				10.5	0.0
100	P102-BPSC	1	137		15.44				10.5	0.0
100	P102-BPSC	1	271		15.45				10.5	0.0
100	P102-BPSC	135	0		15.47				10.5	0.0
100	P102-BPSC	135	89		15.47				10.5	0.0
100	P102-BPSC	135	138		15.48				10.5	0.0
100	P102-BPSC	270	0		15.47				10.5	0.0
100	CPSC	1	1		15.43				10.5	0.0
100	CPSC	1	137		15.43				10.5	0.0
100	CPSC	1	271		15.43				10.5	0.0
100	CPSC	135	0		15.45				10.5	0.0
100	CPSC	135	89		15.45				10.5	0.0
100	CPSC	135	138		15.45				10.5	0.0
100	CPSC	270	0		15.47				10.5	0.0
100	NSCMM	1	1		15.43				10.5	0.0
100	NSCMM	1	1		15.43				10.5	0.0
100	NSCMM	1	1		15.43				10.5	0.0
Channel										
Frequency (MHz)										
30	P102-BPSC	1	1		15.42	15.44	15.45		10.5	0.0
Channel										
Frequency (MHz)										
60	P102-BPSC	1	1		15.43	15.44	15.44		10.5	0.0
Channel										
Frequency (MHz)										
70	P102-BPSC	1	1		15.45	15.45	15.45		10.5	0.0
Channel										
Frequency (MHz)										
80	P102-BPSC	1	1		15.46	15.50	15.47		10.5	0.0
Channel										
Frequency (MHz)										
90	P102-BPSC	1	1		15.43	15.47	15.44		10.5	0.0
Channel										
Frequency (MHz)										
40	P102-BPSC	1	1		15.43	15.54	15.39		10.5	0.0
Channel										
Frequency (MHz)										
50	P102-BPSC	1	1		15.42	15.44	15.39		10.5	0.0
Channel										
Frequency (MHz)										
20	P102-BPSC	1	1		15.47	15.44	15.42		10.5	0.0
Channel										
Frequency (MHz)										
10	P102-BPSC	1	1		15.42	15.54	15.42		10.5	0.0
Channel										
Frequency (MHz)										
30	P102-BPSC	0	0		15.43	15.47	15.52		10.5	0.0

Par27O n77_Ant 6										
SRV (MHz)	Multicast	RS Desc	RS Chnl	Power Low Chl (W)	Power Mid Chl (W)	Power High Chl (W)	Time-up Int (min)	MPT (dB)		
Frequency (MHz)										
100	P102-BPSC	1	1		15.10	15.19	15.15		10.5	0.0
100	P102-BPSC	1	137		15.08	15.14	15.15		10.5	0.0
100	P102-BPSC	1	271		15.07	15.18	15.13		10.5	0.0
100	P102-BPSC	135	0		15.07	15.17	15.15		10.5	0.0
100	P102-BPSC	135	89		15.07	15.17	15.13		10.5	0.0
100	P102-BPSC	135	138		15.07	15.17	15.15		10.5	0.0
100	P102-BPSC	270	0		15.09	15.11	15.09		10.5	0.0
100	CPSC	1	1		15.07	15.12	15.04		10.5	0.0
100	CPSC	1	137		15.04	15.12	15.04		10.5	0.0
100	CPSC	1	271		15.03	15.12	15.04		10.5	0.0
100	CPSC	135	0		15.05	15.08	15.08		10.5	0.0
100	CPSC	135	89		15.05	15.08	15.14		10.5	0.0
100	CPSC	135	138		15.05	15.08	15.14		10.5	0.0
100	CPSC	270	0		15.08	15.16	15.08		10.5	0.0
100	NSCMM	0	0		15.10	15.15	15.15		10.5	0.0
100	NSCMM	1	1		15.09	15.12	15.08		10.5	0.0
100	NSCMM	1	1		15.09	15.17	15.10		10.5	0.0
Channel										
Frequency (MHz)										
30	P102-BPSC	1	1		14.98	14.95	14.96		10.5	0.0
Channel										
Frequency (MHz)										
60	P102-BPSC	1	1		14.97	14.99	14.99		10.5	0.0
Channel										
Frequency (MHz)										
70	P102-BPSC	1	1		14.93	14.95	14.95		10.5	0.0
Channel										
Frequency (MHz)										
80	P102-BPSC	1	1		14.92	14.95	14.90		10.5	0.0
Channel										
Frequency (MHz)										
90	P102-BPSC	1	1		14.92	14.95	14.92		10.5	0.0
Channel										
Frequency (MHz)										
40	P102-BPSC	1	1		14.83	14.95	14.94		10.5	0.0
Channel										
Frequency (MHz)										
50	P102-BPSC	1	1		14.85	15.01	14.90		10.5	0.0
Channel										
Frequency (MHz)										
20	P102-BPSC	1	1		14.92	15.01	14.92		10.5	0.0
Channel										
Frequency (MHz)										
10	P102-BPSC	1	1		14.93	14.96	14.90		10.5	0.0
Channel										
Frequency (MHz)										
30	P102-BPSC	0	0		14.91	14.92	14.92		10.5	0.0

Par27Q n77_Ant 7										
SRV (MHz)	Multicast	RS Desc	RS Chnl	Power Low Chl (W)	Power Mid Chl (W)	Power High Chl (W)	Time-up Int (min)	MPT (dB)		
Frequency (MHz)										
100	P102-BPSC	1	1		15.30				10.5	0.0
100	P102-BPSC	1	137		15.30				10.5	0.0
100	P102-BPSC	1	271		15.34				10.5	0.0
100	P102-BPSC	135	0		15.32				10.5	0.0
100	P102-BPSC	135	89		15.36				10.5	0.0
100	P102-BPSC	135	138		15.36				10.5	0.0
100	P102-BPSC	270	0		15.30				10.5	0.0
100	CPSC	1	1		15.30				10.5	0.0
100	CPSC	1	137		15.30				10.5	0.0
100	CPSC	1	271		15.34				10.5	0.0
100	CPSC	135	0		15.32				10.5	0.0
100	CPSC	135	89		15.36				10.5	0.0
100	CPSC	135	138		15.36				10.5	0.0
100	CPSC	270	0		15.30				10.5	0.0
100	NSCMM	1	1		15.31				10.5	0.0
100	NSCMM	1	1		15.36				10.5	0.0
100	NSCMM	1	1		15.37				10.5	0.0
Channel										
Frequency (MHz)										
30	P102-BPSC	1	1		15.30	15.34	15.30		10.5	0.0
Channel										
Frequency (MHz)										
60	P102-BPSC	1	1		15.34	15.34	15.34		10.5	0.0
Channel										
Frequency (MHz)										
70	P102-BPSC	1	1		15.35	15.35	15.35		10.5	0.0
Channel										
Frequency (MHz)										
80	P102-BPSC	1	1		15.36	15.37	15.37		10.5	0.0
Channel										
Frequency (MHz)										
90	P102-BPSC	1	1		15.36	15.37	15.37		10.5	0.0
Channel										
Frequency (MHz)										
40	P102-BPSC	1	1		15.36	15.50	15.35		10.5	0.0
Channel										
Frequency (MHz)										
50	P102-BPSC	1	1		15.34	15.37	15.37		10.5	0.0
Channel										
Frequency (MHz)										
20	P102-BPSC	1	1		15.37	15.37	15.37		10.5	0.0
Channel										
Frequency (MHz)										
10	P102-BPSC	1	1		15.37	15.37	15.37		10.5	0.0
Channel										
Frequency (MHz)										
30	P102-BPSC	0	0		15.34	15.37	15.34		10.5	0.0



Default Power for EN-DC NR Main PA

n5_Ant 0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				166800	167300	167800	
Frequency (MHz)				24.4	24.5	24.6	
20	PI2 BPSK	1	1	24.43	24.55	24.33	0.0
20	PI2 BPSK	1	53	24.41	24.42	24.30	25.5
20	PI2 BPSK	1	104	24.34	24.31	24.31	0.0
20	PI2 BPSK	50	0	24.06	24.32	24.09	25.0
20	PI2 BPSK	50	28	24.35	24.50	24.28	25.5
20	PI2 BPSK	50	56	23.99	23.95	24.05	25.0
20	PI2 BPSK	100	0	24.17	24.48	24.23	0.5
20	QPSK	1	1	24.27	24.33	24.23	25.5
20	QPSK	1	53	24.35	24.37	24.30	0.0
20	QPSK	1	104	24.30	24.41	24.27	0.0
20	QPSK	50	0	23.28	23.32	23.12	24.5
20	QPSK	50	28	24.15	24.32	24.08	25.5
20	QPSK	50	56	23.77	23.91	23.76	24.5
20	QPSK	100	0	23.38	23.58	23.46	0.0
20	16QAM	1	1	22.90	22.94	22.87	24.5
20	16QAM	1	1	21.93	21.92	21.86	23.0
20	256QAM	1	1	19.81	19.89	19.80	21.0
Channel				166300	167300	168300	
Frequency (MHz)				24.5	24.5	24.5	
15	PI2 BPSK	1	1	24.38	24.55	24.26	25.5
Channel				165800	167300	168800	
Frequency (MHz)				24.2	24.5	24.4	
10	PI2 BPSK	1	1	24.42	24.50	24.26	25.5
Channel				165300	167300	169300	
Frequency (MHz)				24.5	24.5	24.5	
5	PI2 BPSK	1	1	24.40	24.50	24.22	25.5

n5_Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				166800	167300	167800	
Frequency (MHz)				24.4	24.5	24.6	
20	PI2 BPSK	1	1	24.43	24.71	24.44	0.0
20	PI2 BPSK	1	53	24.46	24.55	24.38	25.5
20	PI2 BPSK	1	104	24.42	24.37	24.43	0.0
20	PI2 BPSK	50	0	24.06	24.06	24.03	25.0
20	PI2 BPSK	50	28	24.43	24.66	24.50	25.5
20	PI2 BPSK	50	56	23.90	23.91	23.91	25.0
20	PI2 BPSK	100	0	23.88	24.17	23.79	0.5
20	QPSK	1	1	24.43	24.51	24.38	25.5
20	QPSK	1	53	24.41	24.50	24.52	0.0
20	QPSK	1	104	24.42	24.47	24.30	0.0
20	QPSK	50	0	22.99	23.11	23.01	24.5
20	QPSK	50	28	24.24	24.38	24.19	25.5
20	QPSK	50	56	23.33	23.48	23.35	24.5
20	QPSK	100	0	23.21	23.35	23.19	0.0
20	16QAM	1	1	23.81	23.79	23.70	24.5
20	16QAM	1	1	21.93	21.97	21.81	23.0
20	256QAM	1	1	19.62	19.58	19.43	21.0
Channel				166300	167300	168300	
Frequency (MHz)				24.5	24.5	24.5	
15	PI2 BPSK	1	1	24.44	24.65	24.33	25.5
Channel				165800	167300	168800	
Frequency (MHz)				24.2	24.5	24.4	
10	PI2 BPSK	1	1	24.47	24.50	24.35	25.5
Channel				165300	167300	169300	
Frequency (MHz)				24.5	24.5	24.5	
5	PI2 BPSK	1	1	24.40	24.65	24.39	25.5



n7_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Med. Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dBm)	MPR (dB)	
Channel				504000	507000	510000			
Frequency (MHz)				2423	2435	2450			
40	Pi/2 BPSK	1	1	24.31	24.33	24.25			
40	Pi/2 BPSK	1	108	24.31	24.28	24.21	25.5	0.0	
40	Pi/2 BPSK	1	214	24.12	24.04	24.14			
40	Pi/2 BPSK	108	0	24.15	24.18	23.84	25.0	0.5	
40	Pi/2 BPSK	108	54	24.15	24.27	24.15	25.5	0.0	
40	Pi/2 BPSK	108	108	24.08	24.18	24.01	20.0	0.5	
40	Pi/2 BPSK	216	0	24.15	24.21	24.11			
40	QPSK	1	1	24.11	24.31	24.15			
40	QPSK	1	108	24.10	24.21	24.17	25.5	0.0	
40	QPSK	1	214	24.21	24.28	24.13			
40	QPSK	108	0	23.48	23.96	23.49	24.5	1.0	
40	QPSK	108	54	24.01	24.11	24.00	25.5	0.0	
40	QPSK	108	108	23.55	23.63	23.58	24.5	1.0	
40	QPSK	216	0	23.58	23.71	23.54			
40	16QAM	1	1	23.98	24.01	23.86	24.5	1.0	
40	16QAM	1	1	23.34	22.43	22.38	23.0	2.5	
40	256QAM	1	1	20.19	20.19	20.16	21.0	4.5	
Channel				503000	507000	511000	Int. (dB)	MPR	
Frequency (MHz)				2416	2435	2445			
30	Pi/2 BPSK	1	1	24.26	24.21	24.19	25.5	0.0	
Channel				502500	507000	511500	Int. (dB)	MPR	
Frequency (MHz)				2412	2435	2437.5			
25	Pi/2 BPSK	1	1	24.20	24.29	24.17	25.5	0.0	
Channel				502000	507000	512000	Int. (dB)	MPR	
Frequency (MHz)				2410	2435	2450			
20	Pi/2 BPSK	1	1	24.24	24.32	24.11	25.5	0.0	
Channel				501500	507000	512500	Int. (dB)	MPR	
Frequency (MHz)				2407.5	2435	2452.5			
15	Pi/2 BPSK	1	1	24.30	24.31	24.19	25.5	0.0	
Channel				501000	507000	513000	Int. (dB)	MPR	
Frequency (MHz)				2405	2435	2455			
10	Pi/2 BPSK	1	1	24.27	24.28	24.27	25.5	0.0	
Channel				500500	507000	513500	Int. (dB)	MPR	
Frequency (MHz)				2402.5	2435	2457.5			
5	Pi/2 BPSK	1	1	24.28	24.30	24.27	25.5	0.0	

n7_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Med. Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dBm)	MPR (dB)	
Channel				504000	507000	510000			
Frequency (MHz)				2420	2435	2450			
40	Pi/2 BPSK	1	1	24.79	24.85	24.73			
40	Pi/2 BPSK	1	108	24.78	24.85	24.74	25.2	0.0	
40	Pi/2 BPSK	1	214	24.68	24.80	24.67			
40	Pi/2 BPSK	108	0	24.77	24.29	24.05	24.7	0.5	
40	Pi/2 BPSK	108	54	24.61	24.69	24.97	25.2	0.0	
40	Pi/2 BPSK	108	108	24.18	24.33	24.19	24.7	0.5	
40	Pi/2 BPSK	216	0	24.16	24.22	24.20			
40	QPSK	1	1	24.79	24.80	24.65			
40	QPSK	1	108	24.59	24.69	24.67	25.2	0.0	
40	QPSK	1	214	24.73	24.81	24.58			
40	QPSK	108	0	23.80	23.84	23.80	24.2	1.0	
40	QPSK	108	54	24.64	24.59	24.52	25.2	0.0	
40	QPSK	108	108	23.72	23.81	23.52	24.2	1.0	
40	QPSK	216	0	23.67	23.76	23.68			
40	16QAM	1	1	24.03	24.14	23.92	24.2	1.0	
40	16QAM	1	1	22.91	22.44	22.37	22.7	2.5	
40	256QAM	1	1	20.16	20.37	20.28	20.7	4.5	
Channel				503000	507000	511000	Int. (dB)	MPR	
Frequency (MHz)				2416	2435	2445			
30	Pi/2 BPSK	1	1	24.66	24.74	24.65	24.2	0.0	
Channel				502500	507000	511500	Int. (dB)	MPR	
Frequency (MHz)				2412.5	2435	2437.5			
25	Pi/2 BPSK	1	1	24.68	24.83	24.60	25.2	0.0	
Channel				502000	507000	512000	Int. (dB)	MPR	
Frequency (MHz)				2410	2435	2450			
20	Pi/2 BPSK	1	1	24.70	24.80	24.76	25.2	0.0	
Channel				501500	507000	512500	Int. (dB)	MPR	
Frequency (MHz)				2407.5	2435	2452.5			
15	Pi/2 BPSK	1	1	24.61	24.65	24.62	25.2	0.0	
Channel				501000	507000	513000	Int. (dB)	MPR	
Frequency (MHz)				2405	2435	2455			
10	Pi/2 BPSK	1	1	24.69	24.63	24.64	25.2	0.0	
Channel				500500	507000	513500	Int. (dB)	MPR	
Frequency (MHz)				2402.5	2435	2457.5			
5	Pi/2 BPSK	1	1	24.64	24.67	24.62	25.2	0.0	



n66_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 345000	Power Med. Ch. / Freq. 349000	Power High Ch. / Freq. 353000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	23.69	23.81	23.72			
40	PI2 BPSK	1	168	23.57	23.74	23.69	24.5	0.0	
40	PI2 BPSK	1	214	23.49	23.99	23.60			
40	PI2 BPSK	168	0	23.64	23.57	23.55	24.0	0.5	
40	PI2 BPSK	168	54	23.68	23.79	23.60	24.5	0.0	
40	PI2 BPSK	168	168	23.51	23.51	23.35			
40	PI2 BPSK	216	0	23.52	23.74	23.68	24.0	0.5	
40	QPSK	1	1	23.67	23.72	23.72			
40	QPSK	1	168	23.50	23.74	23.55	24.5	0.0	
40	QPSK	1	214	23.63	23.57	23.57			
40	QPSK	168	0	23.57	23.62	23.47	23.5	1.0	
40	QPSK	168	54	23.65	23.67	23.73	24.5	0.0	
40	QPSK	168	168	23.48	23.46	23.40	23.5	1.0	
40	QPSK	216	0	23.48	23.51	23.52			
40	16QAM	1	1	23.72	23.23	22.96	23.5	1.0	
40	64QAM	1	1	23.75	23.77	23.67	22.0	2.5	
40	256QAM	1	1	18.64	18.78	18.72	20.0	4.5	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	23.65	23.79	23.68	24.5	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	23.63	23.63	23.55	24.5	0.0	
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1	23.67	23.68	23.67	24.5	0.0	
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1	23.78	23.78	23.65	24.5	0.0	
Channel									
Frequency (MHz)									
5	PI2 BPSK	1	1	23.67	23.71	23.67	24.5	0.0	

n66_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 345000	Power Med. Ch. / Freq. 349000	Power High Ch. / Freq. 353000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	23.02	23.06	23.05			
40	PI2 BPSK	1	168	22.95	23.01	23.02	24.5	0.0	
40	PI2 BPSK	1	214	22.85	22.93	23.04			
40	PI2 BPSK	168	0	22.96	22.95	22.98	24.0	0.5	
40	PI2 BPSK	168	54	23.00	23.02	23.00	24.5	0.0	
40	PI2 BPSK	168	168	22.85	22.95	22.93			
40	PI2 BPSK	216	0	22.96	22.96	22.93	24.0	0.5	
40	QPSK	1	1	22.85	23.00	22.87			
40	QPSK	1	168	22.97	22.95	22.95	24.5	0.0	
40	QPSK	1	214	22.98	22.96	22.82			
40	QPSK	168	0	22.85	22.98	22.75	23.5	1.0	
40	QPSK	168	54	22.87	22.99	22.80	24.5	0.0	
40	QPSK	168	168	21.95	22.21	22.25	23.0	1.0	
40	QPSK	216	0	21.84	21.98	22.27			
40	16QAM	1	1	22.05	22.18	22.97	23.5	1.0	
40	64QAM	1	1	20.34	20.65	20.87	22.0	2.5	
40	256QAM	1	1	18.25	18.37	18.79	20.0	4.5	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	22.98	23.04	23.02	24.5	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	23.00	23.02	23.02	24.5	0.0	
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1	22.92	23.03	23.03	24.5	0.0	
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1	22.84	23.02	23.00	24.5	0.0	
Channel									
Frequency (MHz)									
5	PI2 BPSK	1	1	23.01	23.01	23.00	24.5	0.0	



n38_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up Int (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PI2BPSK	1	1	24.42	24.47	24.51	25.0	0.0	
40	PI2BPSK	1	53	24.48	24.44	24.47	25.0	0.0	
40	PI2BPSK	1	104	24.45	24.53	24.55	25.0	0.0	
40	PI2BPSK	50	0	24.37	24.36	24.37	24.5	0.5	
40	PI2BPSK	50	26	24.33	24.45	24.38	25.0	0.0	
40	PI2BPSK	50	56	24.33	24.33	24.32	24.5	0.5	
40	PI2BPSK	100	0	24.12	24.37	24.10	25.0	0.0	
40	QPSK	1	1	24.44	24.34	24.35	25.0	0.0	
40	QPSK	1	53	24.39	24.33	24.36	25.0	0.0	
40	QPSK	1	104	24.41	24.39	24.40	25.0	0.0	
40	QPSK	50	0	24.39	24.42	24.35	25.0	0.0	
40	QPSK	50	26	24.39	24.40	24.42	25.0	0.0	
40	QPSK	50	56	24.34	24.44	24.41	25.0	0.0	
40	QPSK	100	0	23.43	23.34	23.51	24.0	1.0	
40	16QAM	1	1	23.64	23.98	23.92	24.0	1.0	
40	16QAM	1	1	22.60	22.48	22.41	22.5	2.5	
40	256QAM	1	1	20.40	20.42	20.48	20.5	4.5	
Channel									
Frequency (MHz)									
30	PI2BPSK	1	1	24.57	24.62	24.56	25.0	0.0	
Channel									
Frequency (MHz)									
20	PI2BPSK	1	1	24.80	24.84	24.56	25.0	0.0	
Channel									
Frequency (MHz)									
15	PI2BPSK	1	1	24.34	24.61	24.46	25.0	0.0	
Channel									
Frequency (MHz)									
10	PI2BPSK	1	1	24.41	24.65	24.41	25.0	0.0	

n38_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up Int (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PI2BPSK	1	1	24.59	24.65	24.49	25.0	0.0	
40	PI2BPSK	1	63	24.53	24.54	24.49	25.5	0.0	
40	PI2BPSK	1	104	24.60	24.49	24.56	25.0	0.0	
40	PI2BPSK	50	0	24.41	24.46	24.36	25.0	0.5	
40	PI2BPSK	50	26	24.57	24.58	24.55	25.5	0.0	
40	PI2BPSK	50	56	24.31	24.33	24.27	25.0	0.5	
40	PI2BPSK	100	0	23.91	23.94	23.92	25.0	0.0	
40	QPSK	1	1	24.49	24.52	24.46	25.5	0.0	
40	QPSK	1	53	24.20	24.29	24.11	25.5	0.0	
40	QPSK	1	104	23.99	24.03	23.91	25.5	0.0	
40	QPSK	50	0	23.39	23.55	23.38	25.5	0.0	
40	QPSK	50	26	24.14	24.24	24.16	25.5	0.0	
40	QPSK	50	56	23.36	23.46	23.23	24.5	1.0	
40	QPSK	100	0	23.30	23.41	23.25	24.5	1.0	
40	16QAM	1	1	23.29	23.43	23.25	24.5	1.0	
40	16QAM	1	1	22.22	22.20	22.08	23.0	2.5	
40	256QAM	1	1	19.93	20.02	19.79	21.0	4.5	
Channel									
Frequency (MHz)									
30	PI2BPSK	1	1	24.40	24.53	24.25	25.5	0.0	
Channel									
Frequency (MHz)									
20	PI2BPSK	1	1	24.42	24.47	24.30	25.5	0.0	
Channel									
Frequency (MHz)									
15	PI2BPSK	1	1	24.63	24.63	24.46	25.5	0.0	
Channel									
Frequency (MHz)									
10	PI2BPSK	1	1	24.46	24.63	24.39	25.5	0.0	

n41_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up Int (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2BPSK	1	1	24.11	24.25	24.13	25.0	0.0	
100	PI2BPSK	1	137	24.07	24.08	24.00	25.0	0.0	
100	PI2BPSK	1	271	24.10	24.12	24.02	25.0	0.0	
100	PI2BPSK	135	0	23.71	23.69	23.60	24.5	0.5	
100	PI2BPSK	135	66	24.02	24.17	24.03	25.0	0.0	
100	PI2BPSK	135	138	23.98	23.61	23.51	24.5	0.5	
100	PI2BPSK	270	0	23.82	23.63	23.50	25.0	0.0	
100	QPSK	1	1	24.08	24.19	24.14	25.0	0.0	
100	QPSK	1	137	24.07	24.13	24.02	25.0	0.0	
100	QPSK	1	271	24.03	24.14	24.03	25.0	0.0	
100	QPSK	135	0	23.00	23.03	23.02	25.0	0.0	
100	QPSK	135	66	24.05	24.12	23.99	25.0	0.0	
100	QPSK	135	138	23.02	23.04	23.05	25.0	0.0	
100	QPSK	270	0	22.89	23.07	22.96	24.0	1.0	
100	16QAM	1	1	23.29	23.31	23.19	24.0	1.0	
100	16QAM	1	1	21.64	21.86	21.62	22.5	2.5	
100	256QAM	1	1	19.92	19.98	19.82	20.5	4.5	
Channel									
Frequency (MHz)									
80	PI2BPSK	1	1	24.18	24.23	24.04	25.0	0.0	
Channel									
Frequency (MHz)									
70	PI2BPSK	1	1	24.19	24.22	24.15	25.0	0.0	
Channel									
Frequency (MHz)									
60	PI2BPSK	1	1	24.19	24.22	24.13	25.0	0.0	
Channel									
Frequency (MHz)									
50	PI2BPSK	1	1	24.12	24.23	24.17	25.0	0.0	
Channel									
Frequency (MHz)									
40	PI2BPSK	1	1	24.13	24.17	24.05	25.0	0.0	
Channel									
Frequency (MHz)									
30	PI2BPSK	1	1	24.22	24.24	24.08	25.0	0.0	
Channel									
Frequency (MHz)									
20	PI2BPSK	1	1	24.17	24.16	24.06	25.0	0.0	



n41_Ant 3										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Mid Ch./Freq	Power High Ch./Freq	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	Pi2 BPSK	1	1	24.45	24.54	24.21				
100	Pi2 BPSK	1	137	24.33	24.40	24.11		25.5	0.0	
100	Pi2 BPSK	1	271	24.26	24.24	24.21				
100	Pi2 BPSK	135	0	23.89	23.86	23.79	25.0	0.0		
100	Pi2 BPSK	135	69	24.10	24.26	24.12		25.5	0.0	
100	Pi2 BPSK	135	138	23.83	23.62	23.51			25.0	0.5
100	Pi2 BPSK	270	0	23.88	23.78	23.53				
100	QPSK	1	1	24.26	24.36	24.21				
100	QPSK	1	137	24.20	24.23	24.18		25.5	0.0	
100	QPSK	1	271	24.04	24.18	24.10				
100	QPSK	135	0	23.67	23.54	23.66				
100	QPSK	135	69	24.04	24.20	24.12			25.5	0.0
100	QPSK	135	138	23.58	23.56	23.67				
100	QPSK	270	0	23.03	23.18	23.03				1.0
100	16QAM	1	1	23.56	23.67	23.51			24.5	1.0
100	16QAM	1	1	23.00	22.03	21.94			23.0	2.5
100	256QAM	1	1	19.79	19.82	19.83			21.0	4.5
Channel										
Frequency (MHz)										
50	Pi2 BPSK	1	1	24.41	24.43	24.26			25.5	0.0
Channel										
Frequency (MHz)										
80	Pi2 BPSK	1	1	24.37	24.40	24.24			25.5	0.0
Channel										
Frequency (MHz)										
70	Pi2 BPSK	1	1	24.44	24.40	24.20			25.5	0.0
Channel										
Frequency (MHz)										
60	Pi2 BPSK	1	1	24.44	24.52	24.24			25.5	0.0
Channel										
Frequency (MHz)										
50	Pi2 BPSK	1	1	24.37	24.44	24.32			25.5	0.0
Channel										
Frequency (MHz)										
40	Pi2 BPSK	1	1	24.10	24.42	24.20			25.5	0.0
Channel										
Frequency (MHz)										
30	Pi2 BPSK	1	1	24.46	24.50	24.28			25.5	0.0
Channel										
Frequency (MHz)										
20	Pi2 BPSK	1	1	24.38	24.42	24.32			25.5	0.0

Part27Q n78_Ant 4 PC3										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Mid Ch./Freq	Power High Ch./Freq	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	Pi2 BPSK	1	1	23.92	23.91	23.81			25.5	0.0
100	Pi2 BPSK	1	137	23.81	23.79	23.70				
100	Pi2 BPSK	1	271	23.70	23.70	23.70				
100	Pi2 BPSK	135	0	23.79	23.78	23.77	25.5	0.0		
100	Pi2 BPSK	135	69	23.65	23.65	23.65		25.5	0.0	
100	Pi2 BPSK	135	138	23.73	23.73	23.73			25.5	0.0
100	Pi2 BPSK	270	0	23.85	23.85	23.85				
100	QPSK	1	1	23.81	23.81	23.81				
100	QPSK	1	137	23.70	23.70	23.70		25.5	0.0	
100	QPSK	1	271	23.77	23.77	23.77				
100	QPSK	135	0	23.78	23.78	23.78			25.5	0.0
100	QPSK	135	69	23.83	23.83	23.83				
100	QPSK	135	138	23.76	23.76	23.76				
100	QPSK	270	0	23.76	23.76	23.76			25.5	0.0
100	16QAM	1	1	23.86	23.86	23.86			25.5	0.0
100	16QAM	1	1	22.32	22.32	22.32			24.0	1.5
100	256QAM	1	1	20.79	20.79	20.79			22.0	3.5
Channel										
Frequency (MHz)										
90	Pi2 BPSK	1	1	23.85	23.85	23.85			25.5	0.0
Channel										
Frequency (MHz)										
80	Pi2 BPSK	1	1	23.82	23.73	23.78			25.0	0.0
Channel										
Frequency (MHz)										
70	Pi2 BPSK	1	1	23.85	23.75	23.70			25.5	0.0
Channel										
Frequency (MHz)										
60	Pi2 BPSK	1	1	23.62	23.63	23.79			25.5	0.0
Channel										
Frequency (MHz)										
50	Pi2 BPSK	1	1	23.72	23.82	23.72			25.5	0.0
Channel										
Frequency (MHz)										
40	Pi2 BPSK	1	1	23.60	23.76	23.76			25.5	0.0
Channel										
Frequency (MHz)										
30	Pi2 BPSK	1	1	23.86	23.79	23.68			25.5	0.0
Channel										
Frequency (MHz)										
20	Pi2 BPSK	1	1	23.65	23.67	23.79			25.5	0.0
Channel										
Frequency (MHz)										
15	Pi2 BPSK	1	1	23.53	23.65	23.76			25.5	0.0
Channel										
Frequency (MHz)										
10	Pi2 BPSK	1	1	23.65	23.70	23.74			25.5	0.0

Part27O n78_Ant 4 PC3										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Mid Ch./Freq	Power High Ch./Freq	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	Pi2 BPSK	1	1	23.92	23.92	23.79				
100	Pi2 BPSK	1	137	23.79	23.79	23.77		25.5	0.0	
100	Pi2 BPSK	1	271	23.77	23.77	23.77				
100	Pi2 BPSK	135	0	23.81	23.81	23.81			25.5	0.0
100	Pi2 BPSK	135	69	23.84	23.84	23.84			25.5	0.0
100	Pi2 BPSK	135	138	23.80	23.80	23.80			25.5	0.0
100	Pi2 BPSK	270	0	23.76	23.76	23.76				
100	QPSK	1	1	23.81	23.81	23.81				
100	QPSK	1	137	23.78	23.78	23.78		25.5	0.0	
100	QPSK	1	271	23.80	23.80	23.80				
100	QPSK	135	0	23.76	23.76	23.76			25.5	0.0
100	QPSK	135	69	23.78	23.78	23.78				
100	QPSK	135	138	23.78	23.78	23.78				
100	QPSK	270	0	23.69	23.69	23.69			25.5	0.0
100	16QAM	1	1	23.88	23.88	23.88			25.5	0.0
100	16QAM	1	1	22.31	22.31	22.31			24.0	1.5
100	256QAM	1	1	20.15	20.15	20.15			22.0	3.5
Channel										
Frequency (MHz)										
90	Pi2 BPSK	1	1	23.88	23.88	23.88			25.5	0.0
Channel										
Frequency (MHz)										
80	Pi2 BPSK	1	1	23.88	23.78	23.86			25.5	0.0
Channel										
Frequency (MHz)										
70	Pi2 BPSK	1	1	23.72	23.77	23.77			25.5	0.0
Channel										
Frequency (MHz)										
60	Pi2 BPSK	1	1	23.80	23.80	23.75			25.5	0.0
Channel										
Frequency (MHz)										
50	Pi2 BPSK	1	1	23.69	23.73	23.78			25.5	0.0
Channel										
Frequency (MHz)										
40	Pi2 BPSK	1	1	23.79	23.86	23.74			25.5	0.0
Channel										
Frequency (MHz)										
30	Pi2 BPSK	1	1	23.78	23.71	23.87			25.5	0.0
Channel										
Frequency (MHz)										
20	Pi2 BPSK	1	1	23.79	23.81	23.74			25.5	0.0
Channel										
Frequency (MHz)										
15	Pi2 BPSK	1	1	23.81	23.77	23.73			25.5	0.0
Channel										
Frequency (MHz)										
10	Pi2 BPSK	1	1	23.69	23.68	23.69			25.5	0.0



Part27Q n78_Ant 5 PC3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Tune-up (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi/2 BPSK	1	1	24.41				
100	Pi/2 BPSK	1	137	24.39			25.7	0.0
100	Pi/2 BPSK	1	271	24.19				
100	Pi/2 BPSK	135	0	24.38			25.7	0.0
100	Pi/2 BPSK	135	69	24.41			25.7	0.0
100	Pi/2 BPSK	135	138	24.23			25.7	0.0
100	Pi/2 BPSK	270	0	24.38				
100	QPSK	1	1	24.30				
100	QPSK	1	137	24.21			25.7	0.0
100	QPSK	1	271	24.23				
100	QPSK	135	0	24.28			25.7	0.0
100	QPSK	135	69	24.27				
100	QPSK	135	138	24.39			25.7	0.0
100	16QAM	1	1	24.32			25.7	0.0
100	64QAM	1	1	23.48			25.2	0.5
100	256QAM	1	1	23.22			23.2	2.5
Channel								
Frequency (MHz)								
60	Pi/2 BPSK	1	1	63300	63334	63368	Time-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	Pi/2 BPSK	1	1	3490.02	3500.01	3510.00	Time-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	Pi/2 BPSK	1	1	24.33	24.37	24.40	Time-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
70	Pi/2 BPSK	1	1	3480	3500.01	3519.99	Time-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	Pi/2 BPSK	1	1	24.31	24.33	24.28	Time-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	Pi/2 BPSK	1	1	631668	633334	635000	Time-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	Pi/2 BPSK	1	1	3470.01	3500.01	3529.98	Time-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	Pi/2 BPSK	1	1	24.41	24.37	24.40	Time-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	Pi/2 BPSK	1	1	24.33	24.42	24.45	Time-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	Pi/2 BPSK	1	1	24.51	24.52	24.54	Time-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	Pi/2 BPSK	1	1	24.54	24.51	24.63	Time-up limit (dBm)	MPR (dB)

Part27O n78_Ant 5 PC3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Tune-up (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi/2 BPSK	1	1	24.44				
100	Pi/2 BPSK	1	137	24.31			25.7	0.0
100	Pi/2 BPSK	1	271	24.28				
100	Pi/2 BPSK	135	0	24.31			25.7	0.0
100	Pi/2 BPSK	135	69	24.39			25.7	0.0
100	Pi/2 BPSK	135	138	24.21			25.7	0.0
100	Pi/2 BPSK	270	0	24.37				
100	QPSK	1	1	24.25				
100	QPSK	1	137	24.26			25.7	0.0
100	QPSK	1	271	24.41				
100	QPSK	135	0	24.41			25.7	0.0
100	QPSK	135	69	24.33				
100	QPSK	135	138	24.29			25.7	0.0
100	QPSK	270	0	24.25			25.7	0.0
100	16QAM	1	1	24.30			25.7	0.0
100	64QAM	1	1	23.86			23.2	0.5
100	256QAM	1	1	23.94			23.2	2.5
Channel								
Frequency (MHz)								
90	Pi/2 BPSK	1	1	649868	650000	650332	Time-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	Pi/2 BPSK	1	1	3745.02	3750	3764.98	Time-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
70	Pi/2 BPSK	1	1	24.24	24.43	24.43	Time-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	Pi/2 BPSK	1	1	24.12	24.28	24.28	Time-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	Pi/2 BPSK	1	1	648334	650000	651666	Time-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	Pi/2 BPSK	1	1	3735.01	3750	3764.99	Time-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	Pi/2 BPSK	1	1	24.38	24.42	24.43	Time-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	Pi/2 BPSK	1	1	24.29	24.42	24.31	Time-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	Pi/2 BPSK	1	1	24.32	24.30	24.32	Time-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	Pi/2 BPSK	1	1	24.44	24.41	24.46	Time-up limit (dBm)	MPR (dB)

Part27Q n78_Ant 6 PC3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Tune-up (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi/2 BPSK	1	1	24.50				
100	Pi/2 BPSK	1	137	24.35			25.5	0.0
100	Pi/2 BPSK	1	271	24.34				
100	Pi/2 BPSK	135	0	24.42			25.5	0.0
100	Pi/2 BPSK	135	69	24.46			25.5	0.0
100	Pi/2 BPSK	135	138	24.39			25.5	0.0
100	Pi/2 BPSK	270	0	24.43				
100	QPSK	1	1	24.38				
100	QPSK	1	137	24.50			25.5	0.0
100	QPSK	1	271	24.48				
100	QPSK	135	0	24.49			25.5	0.0
100	QPSK	135	69	24.44				
100	QPSK	135	138	24.47			25.5	0.0
100	QPSK	270	0	24.47			25.5	0.0
100	16QAM	1	1	24.39			25.5	0.0
100	64QAM	1	1	23.49			23.0	0.5
100	256QAM	1	1	23.37			23.0	2.5
Channel								
Frequency (MHz)								
90	Pi/2 BPSK	1	1	632000	633334	634668	Time-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	Pi/2 BPSK	1	1	3490.02	3500.01	3510.00	Time-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
70	Pi/2 BPSK	1	1	24.51	24.49	24.48	Time-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	Pi/2 BPSK	1	1	24.46	24.43	24.48	Time-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	Pi/2 BPSK	1	1	631668	633334	635000	Time-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	Pi/2 BPSK	1	1	3470.01	3500.01	3529.98	Time-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	Pi/2 BPSK	1	1	24.43	24.46	24.46	Time-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	Pi/2 BPSK	1	1	24.38	24.43	24.53	Time-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	Pi/2 BPSK	1	1	24.44	24.47	24.44	Time-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	Pi/2 BPSK	1	1	24.50	24.50	24.51	Time-up limit (dBm)	MPR (dB)



Reduced DS1 Power for EN-DC NR Main PA

n5_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				824	836.5	849			
Frequency (MHz)				824	836.5	849			
20	P12 BPSK	1	1	24.43	24.55	24.33			
20	P12 BPSK	1	53	24.41	24.42	24.30	25.5	0.0	
20	P12 BPSK	1	104	24.34	24.31	24.31			
20	P12 BPSK	50	0	24.08	24.32	24.06	25.0	0.5	
20	P12 BPSK	50	28	24.35	24.50	24.28	25.5	0.0	
20	P12 BPSK	50	56	23.09	23.05	24.05			
20	P12 BPSK	100	0	24.17	24.48	24.23	25.0	0.5	
20	QPSK	1	1	24.27	24.33	24.23			
20	QPSK	1	53	24.35	24.37	24.30	25.5	0.0	
20	QPSK	1	104	24.30	24.41	24.27			
20	QPSK	50	0	23.26	23.32	23.14	24.5	1.0	
20	QPSK	50	28	24.15	24.32	24.08	25.5	0.0	
20	QPSK	50	56	23.77	23.91	23.76			
20	QPSK	100	0	23.36	23.58	23.46			
20	16QAM	1	1	22.90	22.94	22.87	24.5	1.0	
20	56QAM	1	1	21.93	21.92	21.86	23.0	2.5	
20	256QAM	1	1	19.81	19.89	19.80	21.0	4.5	
Channel				16630	16730	16830	16630	MPR	
Frequency (MHz)				16630	16730	16830	16630	MPR	
15	P12 BPSK	1	1	24.38	24.55	24.26	25.5	0.0	
Channel				16680	16730	16880	16680	MPR	
Frequency (MHz)				16680	16730	16880	16680	MPR	
10	P12 BPSK	1	1	24.42	24.56	24.35	25.5	0.0	
Channel				16930	16730	16930	16930	MPR	
Frequency (MHz)				16930	16730	16930	16930	MPR	
5	P12 BPSK	1	1	24.40	24.58	24.22	25.0	0.0	

n5_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				824	836.5	849			
Frequency (MHz)				824	836.5	849			
20	P12 BPSK	1	1	20.61	20.75	20.60			
20	P12 BPSK	1	53	20.50	20.61	20.62	21.5	0.0	
20	P12 BPSK	1	104	20.52	20.60	20.51			
20	P12 BPSK	50	0	20.07	20.60	20.53	21.5	0.0	
20	P12 BPSK	50	28	20.54	20.71	20.58	21.5	0.0	
20	P12 BPSK	50	56	20.61	20.55	20.51			
20	P12 BPSK	100	0	20.65	20.70	20.60	21.5	0.0	
20	QPSK	1	1	20.04	20.69	20.49			
20	QPSK	1	53	20.51	20.62	20.54	21.5	0.0	
20	QPSK	1	104	20.51	20.64	20.50			
20	QPSK	50	0	20.07	20.64	20.60	21.5	0.0	
20	QPSK	50	28	20.53	20.66	20.55	21.5	0.0	
20	QPSK	50	56	20.48	20.58	20.43			
20	QPSK	100	0	20.54	20.69	20.58			
20	16QAM	1	1	20.00	20.62	20.57	21.5	0.0	
20	56QAM	1	1	20.43	20.49	20.37	21.5	0.0	
20	256QAM	1	1	19.68	19.78	19.77	21.0	0.5	
Channel				16630	16730	16830	16630	MPR	
Frequency (MHz)				16630	16730	16830	16630	MPR	
15	P12 BPSK	1	1	20.49	20.66	20.47	21.5	0.0	
Channel				16680	16730	16880	16680	MPR	
Frequency (MHz)				16680	16730	16880	16680	MPR	
10	P12 BPSK	1	1	20.52	20.72	20.52	21.5	0.0	
Channel				16930	16730	16930	16930	MPR	
Frequency (MHz)				16930	16730	16930	16930	MPR	
5	P12 BPSK	1	1	20.53	20.72	20.55	21.5	0.0	

n7_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				90400	90700	91000			
Frequency (MHz)				90400	90700	91000			
40	P12 BPSK	1	1	24.31	24.33	24.25			
40	P12 BPSK	1	108	24.31	24.28	24.21	25.5	0.0	
40	P12 BPSK	1	214	24.12	24.04	24.14			
40	P12 BPSK	108	0	24.15	24.18	23.94	25.0	0.5	
40	P12 BPSK	108	54	24.15	24.27	24.15	25.5	0.0	
40	P12 BPSK	108	108	24.08	24.18	24.01			
40	P12 BPSK	216	0	24.15	24.21	24.11	25.0	0.5	
40	QPSK	1	1	24.11	24.31	24.16			
40	QPSK	1	108	24.10	24.21	24.17	25.5	0.0	
40	QPSK	1	214	24.21	24.28	24.13			
40	QPSK	108	0	23.48	23.56	23.49	24.5	1.0	
40	QPSK	108	54	24.07	25.11	24.02	25.5	0.0	
40	QPSK	108	108	23.85	23.63	23.85			
40	QPSK	216	0	23.88	23.71	23.84			
40	16QAM	1	1	23.99	24.01	23.86	24.0	1.0	
40	56QAM	1	1	22.34	22.43	22.38	23.0	2.5	
40	256QAM	1	1	20.19	20.19	20.16	21.0	4.5	
Channel				90300	90700	91000	90300	MPR	
Frequency (MHz)				90300	90700	91000	90300	MPR	
30	P12 BPSK	1	1	24.26	24.21	24.19	25.5	0.0	
Channel				90250	90700	91150	90250	MPR	
Frequency (MHz)				90250	90700	91150	90250	MPR	
25	P12 BPSK	1	1	24.20	24.20	24.17	25.5	0.0	
Channel				90200	90700	91200	90200	MPR	
Frequency (MHz)				90200	90700	91200	90200	MPR	
20	P12 BPSK	1	1	24.40	24.34	24.11	25.0	0.0	
Channel				90150	90700	91250	90150	MPR	
Frequency (MHz)				90150	90700	91250	90150	MPR	
15	P12 BPSK	1	1	24.30	24.31	24.19	25.5	0.0	
Channel				90100	90700	91300	90100	MPR	
Frequency (MHz)				90100	90700	91300	90100	MPR	
10	P12 BPSK	1	1	24.27	24.26	24.27	25.5	0.0	
Channel				90050	90700	91350	90050	MPR	
Frequency (MHz)				90050	90700	91350	90050	MPR	
5	P12 BPSK	1	1	24.28	24.30	24.27	25.5	0.0	



n7_Ant 3										
BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)		
				Low Ch. / Freq.	Mid Ch. / Freq.	High Ch. / Freq.				
Channel										
	Frequency (MHz)	2500	2535	2550						
40	PI2 BPSK	1	1	18.28	18.40	18.29				
40	PI2 BPSK	1	108	18.35	18.32	18.16	18.7	0.0		
40	PI2 BPSK	1	214	18.26	18.19	18.23				
40	PI2 BPSK	108	0	18.21	18.20	18.08	18.7	0.0		
40	PI2 BPSK	108	54	18.06	18.22	18.11	18.7	0.0		
40	PI2 BPSK	108	108	18.22	18.09	18.05				
40	PI2 BPSK	216	0	18.18	18.20	18.19				
40	QPSK	1	1	18.23	18.33	18.29				
40	QPSK	1	108	18.15	18.18	18.17	18.7	0.0		
40	QPSK	1	214	18.05	18.10	18.11				
40	QPSK	108	0	18.12	18.20	18.10	18.7	0.0		
40	QPSK	108	54	18.19	18.17	18.05	18.7	0.0		
40	QPSK	108	108	18.12	18.08	18.15				
40	QPSK	216	0	18.22	18.15	18.12				
40	16QAM	1	1	18.23	18.20	18.16	18.7	0.0		
40	16QAM	1	1	18.17	18.17	18.16	18.7	0.0		
40	256QAM	1	1	18.22	18.26	18.18	18.7	0.0		
Channel										
	Frequency (MHz)	503000	507000	511000						
30	PI2 BPSK	1	1	18.16	18.39	18.19	18.7	0.0		
Channel										
	Frequency (MHz)	502500	507000	511500						
28	PI2 BPSK	1	1	18.25	18.33	18.20	18.7	0.0		
Channel										
	Frequency (MHz)	502000	507000	512000						
20	PI2 BPSK	1	1	18.20	18.30	18.26	18.7	0.0		
Channel										
	Frequency (MHz)	501500	507000	512500						
15	PI2 BPSK	1	1	18.16	18.20	18.17	18.7	0.0		
Channel										
	Frequency (MHz)	501000	507000	513000						
10	PI2 BPSK	1	1	18.15	18.36	18.25	18.7	0.0		
Channel										
	Frequency (MHz)	500500	507000	513500						
5	PI2 BPSK	1	1	18.20	18.36	18.22	18.7	0.0		

n66_Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)		
				Low Ch. / Freq.	Mid Ch. / Freq.	High Ch. / Freq.				
Channel										
	Frequency (MHz)	1920	1945	1960						
40	PI2 BPSK	1	1	23.69	23.81	23.72				
40	PI2 BPSK	1	108	23.67	23.74	23.69	24.5	0.0		
40	PI2 BPSK	1	214	23.49	23.59	23.60				
40	PI2 BPSK	108	0	23.64	23.57	23.55	24.0	0.0		
40	PI2 BPSK	108	54	23.68	23.78	23.60	24.5	0.0		
40	PI2 BPSK	108	108	23.51	23.51	23.39				
40	PI2 BPSK	216	0	23.52	23.74	23.68				
40	QPSK	1	1	23.67	23.72	23.72				
40	QPSK	1	108	23.50	23.74	23.55	24.5	0.0		
40	QPSK	1	214	23.63	23.57	23.57				
40	QPSK	108	0	23.67	23.62	23.47	23.5	1.0		
40	QPSK	108	54	23.65	23.67	23.73	24.5	0.0		
40	QPSK	108	108	23.48	23.46	23.40	23.0	1.0		
40	QPSK	216	0	23.48	23.51	23.52				
40	16QAM	1	1	23.12	23.23	23.06	23.0	1.0		
40	64QAM	1	1	21.76	21.77	21.67	22.0	2.5		
40	256QAM	1	1	18.64	19.78	19.72	20.0	4.5		
Channel										
	Frequency (MHz)	345000	349000	353000						
30	PI2 BPSK	1	1	23.65	23.79	23.68	24.5	0.0		
Channel										
	Frequency (MHz)	344000	349000	354000						
20	PI2 BPSK	1	1	23.68	23.68	23.65	24.5	0.0		
Channel										
	Frequency (MHz)	343000	349000	354000						
15	PI2 BPSK	1	1	23.67	23.68	23.67	24.0	0.0		
Channel										
	Frequency (MHz)	342000	349000	355000						
10	PI2 BPSK	1	1	23.78	23.76	23.65	24.5	0.0		
Channel										
	Frequency (MHz)	341000	349000	355000						
5	PI2 BPSK	1	1	23.67	23.71	23.67	24.5	0.0		

n66_Ant 3										
BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)		
				Low Ch. / Freq.	Mid Ch. / Freq.	High Ch. / Freq.				
Channel										
	Frequency (MHz)	1720	1745	1760						
40	PI2 BPSK	1	1	16.51	16.61	16.58				
40	PI2 BPSK	1	108	16.52	16.60	16.51	18.0	0.0		
40	PI2 BPSK	1	214	16.54	16.56	16.51				
40	PI2 BPSK	108	0	16.38	16.53	16.39	18.0	0.0		
40	PI2 BPSK	108	54	16.46	16.53	16.47	18.0	0.0		
40	PI2 BPSK	108	108	16.50	16.47	16.52				
40	PI2 BPSK	216	0	16.40	16.42	16.30				
40	QPSK	1	1	16.41	16.45	16.41				
40	QPSK	1	108	16.32	16.40	16.42	18.0	0.0		
40	QPSK	1	214	16.45	16.52	16.48				
40	QPSK	108	0	16.49	16.54	16.38	18.0	0.0		
40	QPSK	108	54	16.47	16.54	16.41	18.0	0.0		
40	QPSK	108	108	16.45	16.58	16.51	18.0	0.0		
40	QPSK	216	0	16.45	16.53	16.43				
40	16QAM	1	1	16.47	16.44	16.42	18.0	0.0		
40	64QAM	1	1	16.34	16.45	16.36	18.0	0.0		
40	256QAM	1	1	16.41	16.52	16.52	18.0	0.0		
Channel										
	Frequency (MHz)	345000	349000	353000						
30	PI2 BPSK	1	1	16.45	16.55	16.51	18.0	0.0		
Channel										
	Frequency (MHz)	344000	349000	354000						
20	PI2 BPSK	1	1	16.43	16.45	16.52	18.0	0.0		
Channel										
	Frequency (MHz)	343000	349000	354000						
15	PI2 BPSK	1	1	16.49	16.49	16.52	18.0	0.0		
Channel										
	Frequency (MHz)	342000	349000	355000						
10	PI2 BPSK	1	1	16.45	16.55	16.46	18.0	0.0		
Channel										
	Frequency (MHz)	341000	349000	355000						
5	PI2 BPSK	1	1	16.40	16.48	16.55	18.0	0.0		



n38_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up lim (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	Pi2BPSK	1	1	24.45	24.47	24.51			
40	Pi2BPSK	1	53	24.48	24.44	24.47	25.0	0.0	
40	Pi2BPSK	1	104	24.45	24.53	24.55			
40	Pi2BPSK	50	0	24.37	24.36	24.27	24.5	0.5	
40	Pi2BPSK	50	26	24.33	24.45	24.38	25.0	0.0	
40	Pi2BPSK	50	56	24.33	24.33	24.32	24.5	0.5	
40	Pi2BPSK	100	0	24.12	24.37	24.10			
40	QPSK	1	1	24.44	24.34	24.35			
40	QPSK	1	53	24.39	24.33	24.36	25.0	0.0	
40	QPSK	1	104	24.41	24.39	24.40			
40	QPSK	50	0	24.39	24.42	24.35			
40	QPSK	50	26	24.39	24.40	24.42	25.0	0.0	
40	QPSK	50	56	24.34	24.44	24.41			
40	QPSK	100	0	23.43	23.34	23.51	24.0	1.0	
40	16QAM	1	1	23.64	23.98	23.92	24.0	1.0	
40	16QAM	1	1	22.60	22.48	22.41	22.5	2.5	
40	256QAM	1	1	20.40	20.42	20.48	20.5	4.5	
Channel									
Frequency (MHz)									
30	Pi2BPSK	1	1	24.57	24.62	24.56	25.0	0.0	
Channel									
Frequency (MHz)									
20	Pi2BPSK	1	1	24.90	24.84	24.56	25.0	0.0	
Channel									
Frequency (MHz)									
15	Pi2BPSK	1	1	24.34	24.61	24.46	25.0	0.0	
Channel									
Frequency (MHz)									
10	Pi2BPSK	1	1	24.41	24.65	24.41	25.0	0.0	

n38_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up lim (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	Pi2BPSK	1	1	17.11	17.20	17.15			
40	Pi2BPSK	1	63	17.11	17.14	17.05	18.0	0.0	
40	Pi2BPSK	1	104	17.07	17.13	17.05			
40	Pi2BPSK	50	0	17.03	17.02	16.97	18.0	0.0	
40	Pi2BPSK	50	26	17.08	17.09	16.98	18.0	0.0	
40	Pi2BPSK	50	56	17.02	16.99	17.02	18.0	0.0	
40	Pi2BPSK	100	0	16.96	17.01	17.00			
40	QPSK	1	1	17.15	17.19	17.14			
40	QPSK	1	53	16.95	17.01	17.03	18.0	0.0	
40	QPSK	1	104	17.08	17.10	17.09			
40	QPSK	50	0	17.07	17.06	16.92			
40	QPSK	50	26	17.09	17.04	16.92	18.0	0.0	
40	QPSK	50	56	17.04	17.04	16.92			
40	QPSK	100	0	16.96	17.07	17.00	18.0	0.0	
40	16QAM	1	1	17.00	17.11	17.01	18.0	0.0	
40	16QAM	1	1	16.96	17.11	16.95	18.0	0.0	
40	256QAM	1	1	17.01	17.09	17.08	18.0	0.0	
Channel									
Frequency (MHz)									
30	Pi2BPSK	1	1	16.98	17.11	17.05	18.0	0.0	
Channel									
Frequency (MHz)									
20	Pi2BPSK	1	1	17.05	17.18	17.09	18.0	0.0	
Channel									
Frequency (MHz)									
15	Pi2BPSK	1	1	17.07	17.12	17.08	18.0	0.0	
Channel									
Frequency (MHz)									
10	Pi2BPSK	1	1	17.04	17.13	17.12	18.0	0.0	

n41_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up lim (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pi2BPSK	1	1	24.11	24.25	24.13			
100	Pi2BPSK	1	137	24.07	24.08	24.00	25.0	0.0	
100	Pi2BPSK	1	271	24.10	24.12	24.02			
100	Pi2BPSK	135	0	23.71	23.69	23.60	24.0	0.5	
100	Pi2BPSK	135	66	24.02	24.17	24.03	25.0	0.0	
100	Pi2BPSK	135	138	23.58	23.61	23.51	24.0	0.5	
100	Pi2BPSK	270	0	23.82	23.83	23.50			
100	QPSK	1	1	24.08	24.19	24.14			
100	QPSK	1	137	24.07	24.13	24.02	25.0	0.0	
100	QPSK	1	271	24.03	24.14	24.03			
100	QPSK	135	0	23.00	23.03	23.02			
100	QPSK	135	66	24.05	24.12	23.99	25.0	0.0	
100	QPSK	135	138	23.02	23.04	23.05			
100	QPSK	270	0	22.89	23.07	22.96	24.0	1.0	
100	16QAM	1	1	23.29	23.31	23.19	24.0	1.0	
100	16QAM	1	1	21.64	21.86	21.62	22.5	2.5	
100	256QAM	1	1	19.52	19.68	19.62	20.5	4.5	
Channel									
Frequency (MHz)									
80	Pi2BPSK	1	1	24.18	24.23	24.04	25.0	0.0	
Channel									
Frequency (MHz)									
80	Pi2BPSK	1	1	24.13	24.19	24.17	25.0	0.0	
Channel									
Frequency (MHz)									
70	Pi2BPSK	1	1	24.19	24.22	24.15	25.0	0.0	
Channel									
Frequency (MHz)									
60	Pi2BPSK	1	1	24.19	24.22	24.13	25.0	0.0	
Channel									
Frequency (MHz)									
50	Pi2BPSK	1	1	24.12	24.23	24.17	25.0	0.0	
Channel									
Frequency (MHz)									
40	Pi2BPSK	1	1	24.13	24.17	24.05	25.0	0.0	
Channel									
Frequency (MHz)									
30	Pi2BPSK	1	1	24.22	24.24	24.08	25.0	0.0	
Channel									
Frequency (MHz)									
20	Pi2BPSK	1	1	24.17	24.16	24.06	25.0	0.0	



Part27Q n78_Ant 5 HPUE									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	14.42	14.42	14.42	16.0	0.0	
100	PI2 BPSK	1	137	14.50	14.50	14.50	16.0	0.0	
100	PI2 BPSK	1	271	14.64	14.64	14.64	16.0	0.0	
100	PI2 BPSK	135	0	14.44	14.44	14.44	16.0	0.0	
100	PI2 BPSK	135	69	14.56	14.56	14.56	16.0	0.0	
100	PI2 BPSK	135	138	14.49	14.49	14.49	16.0	0.0	
100	PI2 BPSK	270	0	14.44	14.44	14.44	16.0	0.0	
100	QPSK	1	1	14.29	14.29	14.29	16.0	0.0	
100	QPSK	1	137	14.56	14.56	14.56	16.0	0.0	
100	QPSK	1	271	14.59	14.59	14.59	16.0	0.0	
100	QPSK	135	0	14.20	14.20	14.20	16.0	0.0	
100	QPSK	135	69	14.46	14.46	14.46	16.0	0.0	
100	QPSK	135	138	14.44	14.44	14.44	16.0	0.0	
100	QPSK	270	0	14.43	14.43	14.43	16.0	0.0	
100	16QAM	1	1	14.49	14.49	14.49	16.0	0.0	
100	16QAM	1	1	14.20	14.20	14.20	16.0	0.0	
100	256QAM	1	1	14.20	14.20	14.20	16.0	0.0	
Channel									
Frequency (MHz)									
50	PI2 BPSK	1	1	63300	63334	63368	16.0	0.0	
Channel									
Frequency (MHz)									
80	PI2 BPSK	1	1	3490	3500	3510	16.0	0.0	
Channel									
Frequency (MHz)									
70	PI2 BPSK	1	1	14.51	14.62	14.87	16.0	0.0	
Channel									
Frequency (MHz)									
60	PI2 BPSK	1	1	14.50	14.56	14.55	16.0	0.0	
Channel									
Frequency (MHz)									
50	PI2 BPSK	1	1	63168	63334	63500	16.0	0.0	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	3470	3500	3529	16.0	0.0	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	14.52	14.62	14.56	16.0	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	14.56	14.62	14.50	16.0	0.0	
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1	14.58	14.58	14.54	16.0	0.0	
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1	14.54	14.64	14.56	16.0	0.0	

Part27O n78_Ant 5 HPUE									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	14.58	14.58	14.58	16.0	0.0	
100	PI2 BPSK	1	137	14.59	14.59	14.59	16.0	0.0	
100	PI2 BPSK	1	271	14.60	14.60	14.60	16.0	0.0	
100	PI2 BPSK	135	0	14.46	14.46	14.46	16.0	0.0	
100	PI2 BPSK	135	69	14.65	14.65	14.65	16.0	0.0	
100	PI2 BPSK	135	138	14.63	14.63	14.63	16.0	0.0	
100	PI2 BPSK	270	0	14.53	14.53	14.53	16.0	0.0	
100	QPSK	1	1	14.41	14.41	14.41	16.0	0.0	
100	QPSK	1	137	14.51	14.51	14.51	16.0	0.0	
100	QPSK	1	271	14.59	14.59	14.59	16.0	0.0	
100	QPSK	135	0	14.51	14.51	14.51	16.0	0.0	
100	QPSK	135	69	14.50	14.50	14.50	16.0	0.0	
100	QPSK	135	138	14.52	14.52	14.52	16.0	0.0	
100	QPSK	270	0	14.41	14.41	14.41	16.0	0.0	
100	16QAM	1	1	14.63	14.63	14.63	16.0	0.0	
100	16QAM	1	1	14.50	14.50	14.50	16.0	0.0	
100	256QAM	1	1	14.37	14.37	14.37	16.0	0.0	
Channel									
Frequency (MHz)									
90	PI2 BPSK	1	1	64968	65000	65032	16.0	0.0	
Channel									
Frequency (MHz)									
80	PI2 BPSK	1	1	3740	3750	3759	16.0	0.0	
Channel									
Frequency (MHz)									
70	PI2 BPSK	1	1	14.57	14.63	14.56	16.0	0.0	
Channel									
Frequency (MHz)									
60	PI2 BPSK	1	1	14.57	14.61	14.58	16.0	0.0	
Channel									
Frequency (MHz)									
50	PI2 BPSK	1	1	64800	65000	65200	16.0	0.0	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	3720	3750	3770	16.0	0.0	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	14.58	14.63	14.65	16.0	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	14.59	14.61	14.58	16.0	0.0	
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1	14.54	14.58	14.58	16.0	0.0	
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1	14.51	14.60	14.58	16.0	0.0	

Part27Q n78_Ant 6 HPUE									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	12.87	12.87	12.87	14.0	0.0	
100	PI2 BPSK	1	137	13.00	13.00	13.00	14.0	0.0	
100	PI2 BPSK	1	271	12.89	12.89	12.89	14.0	0.0	
100	PI2 BPSK	135	0	12.84	12.84	12.84	14.0	0.0	
100	PI2 BPSK	135	69	12.97	12.97	12.97	14.0	0.0	
100	PI2 BPSK	135	138	12.78	12.78	12.78	14.0	0.0	
100	PI2 BPSK	270	0	12.84	12.84	12.84	14.0	0.0	
100	QPSK	1	1	12.93	12.93	12.93	14.0	0.0	
100	QPSK	1	137	12.89	12.89	12.89	14.0	0.0	
100	QPSK	1	271	12.92	12.92	12.92	14.0	0.0	
100	QPSK	135	0	12.83	12.83	12.83	14.0	0.0	
100	QPSK	135	69	12.92	12.92	12.92	14.0	0.0	
100	QPSK	135	138	12.78	12.78	12.78	14.0	0.0	
100	QPSK	270	0	12.93	12.93	12.93	14.0	0.0	
100	16QAM	1	1	12.96	12.96	12.96	14.0	0.0	
100	16QAM	1	1	12.88	12.88	12.88	14.0	0.0	
100	256QAM	1	1	12.84	12.84	12.84	14.0	0.0	
Channel									
Frequency (MHz)									
90	PI2 BPSK	1	1	62688	63334	63666	16.0	0.0	
Channel									
Frequency (MHz)									
80	PI2 BPSK	1	1	3490	3500	3510	16.0	0.0	
Channel									
Frequency (MHz)									
70	PI2 BPSK	1	1	12.92	12.97	12.92	14.0	0.0	
Channel									
Frequency (MHz)									
60	PI2 BPSK	1	1	12.92	12.96	12.84	14.0	0.0	
Channel									
Frequency (MHz)									
50	PI2 BPSK	1	1	63168	63334	63500	16.0	0.0	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	3470	3500	3529	16.0	0.0	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	12.91	12.92	12.86	14.0	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	12.91	12.90	12.86	14.0	0.0	
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1	12.84	12.84	12.89	14.0	0.0	
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1	12.86	12.92	12.85	14.0	0.0	



Part270 n78_Ant 6 HPUE									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mises Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	MPR (dB)
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	3745.02	3750	3754.98	14.0	0.0	
100	PI2 BPSK	1	137	12.99					
100	PI2 BPSK	1	271	12.99					
100	PI2 BPSK	135	0	12.94			14.0	0.0	
100	PI2 BPSK	135	69	12.98			14.0	0.0	
100	PI2 BPSK	135	138	12.88			14.0	0.0	
100	PI2 BPSK	270	0	12.95					
100	QPSK	1	1	12.93					
100	QPSK	1	137	12.93			14.0	0.0	
100	QPSK	1	271	12.82					
100	QPSK	135	0	12.91					
100	QPSK	135	69	13.25			14.0	0.0	
100	QPSK	135	138	13.04					
100	QPSK	270	0	13.05			14.0	0.0	
100	16QAM	1	1	13.01			14.0	0.0	
100	64QAM	1	1	13.02			14.0	0.0	
100	256QAM	1	1	12.97			14.0	0.0	
Channel									
Frequency (MHz)									
50	PI2 BPSK	1	1	649668	650000	650332	14.0	0.0	
Channel									
Frequency (MHz)									
80	PI2 BPSK	1	1	3749.01	3750	3759.99	14.0	0.0	
Channel									
Frequency (MHz)									
70	PI2 BPSK	1	1	12.87	12.84	12.80	14.0	0.0	
Channel									
Frequency (MHz)									
60	PI2 BPSK	1	1	12.86	12.96	12.91	14.0	0.0	
Channel									
Frequency (MHz)									
50	PI2 BPSK	1	1	12.85	12.90	12.86	14.0	0.0	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	12.80	12.80	12.83	14.0	0.0	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	12.81	12.81	12.89	14.0	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	12.84	12.98	12.92	14.0	0.0	
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1	12.88	12.98	12.91	14.0	0.0	
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1	12.92	12.99	12.95	14.0	0.0	

Part27Q n78_Ant 7 HPUE									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mises Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	MPR (dB)
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	3745.02	3750	3754.98	14.0	0.0	
100	PI2 BPSK	1	137	16.55					
100	PI2 BPSK	1	271	16.53					
100	PI2 BPSK	135	0	16.40			18.0	0.0	
100	PI2 BPSK	135	69	16.43			18.0	0.0	
100	PI2 BPSK	135	138	16.39			18.0	0.0	
100	PI2 BPSK	270	0	16.40					
100	QPSK	1	1	16.45					
100	QPSK	1	137	16.44			18.0	0.0	
100	QPSK	1	271	16.47					
100	QPSK	135	0	16.40					
100	QPSK	135	69	16.41			18.0	0.0	
100	QPSK	135	138	16.43					
100	QPSK	270	0	16.39			18.0	0.0	
100	16QAM	1	1	16.44			18.0	0.0	
100	64QAM	1	1	16.45			18.0	0.0	
100	256QAM	1	1	16.44			18.0	0.0	
Channel									
Frequency (MHz)									
90	PI2 BPSK	1	1	3489.02	3500.01	3510.99	18.0	0.0	
Channel									
Frequency (MHz)									
80	PI2 BPSK	1	1	16.42	16.49	16.40	18.0	0.0	
Channel									
Frequency (MHz)									
70	PI2 BPSK	1	1	16.42	16.53	16.39	18.0	0.0	
Channel									
Frequency (MHz)									
60	PI2 BPSK	1	1	16.41	16.44	16.39	18.0	0.0	
Channel									
Frequency (MHz)									
50	PI2 BPSK	1	1	16.47	16.48	16.39	18.0	0.0	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	16.43	16.50	16.39	18.0	0.0	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	16.39	16.52	16.43	18.0	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	16.38	16.43	16.40	18.0	0.0	
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1	16.43	16.53	16.42	18.0	0.0	
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1	16.47	16.52	16.39	18.0	0.0	

Part270 n78_Ant 7 HPUE									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mises Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	MPR (dB)
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	3745.02	3750	3754.98	18.0	0.0	
100	PI2 BPSK	1	137	16.28					
100	PI2 BPSK	1	271	16.21					
100	PI2 BPSK	135	0	16.19			18.0	0.0	
100	PI2 BPSK	135	69	16.25			18.0	0.0	
100	PI2 BPSK	135	138	16.14			18.0	0.0	
100	PI2 BPSK	270	0	16.24					
100	QPSK	1	1	16.18					
100	QPSK	1	137	16.27			18.0	0.0	
100	QPSK	1	271	16.23					
100	QPSK	135	0	16.27					
100	QPSK	135	69	16.25			18.0	0.0	
100	QPSK	135	138	16.19					
100	QPSK	270	0	16.24			18.0	0.0	
100	16QAM	1	1	16.30			18.0	0.0	
100	64QAM	1	1	16.28			18.0	0.0	
100	256QAM	1	1	16.20			18.0	0.0	
Channel									
Frequency (MHz)									
90	PI2 BPSK	1	1	3489.02	3500.01	3510.99	18.0	0.0	
Channel									
Frequency (MHz)									
80	PI2 BPSK	1	1	16.25	16.26	16.19	18.0	0.0	
Channel									
Frequency (MHz)									
70	PI2 BPSK	1	1	16.21	16.31	16.23	18.0	0.0	
Channel									
Frequency (MHz)									
60	PI2 BPSK	1	1	16.22	16.27	16.20	18.0	0.0	
Channel									
Frequency (MHz)									
50	PI2 BPSK	1	1	16.22	16.30	16.17	18.0	0.0	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	16.19	16.20	16.19	18.0	0.0	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	16.24	16.27	16.26	18.0	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	16.18	16.32	16.25	18.0	0.0	
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1	16.20	16.22	16.22	18.0	0.0	
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1	16.18	16.23	16.24	18.0	0.0	



Reduced DS13 Power for EN-DC NR Main PA

n5_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Middle Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				834	836.5	839			
20	PV2 BPSK	1	1	24.40	24.58	24.53			
20	PV2 BPSK	1	53	24.41	24.42	24.30	25.5	0.0	
20	PV2 BPSK	1	104	24.34	24.31	24.31			
20	PV2 BPSK	50	0	24.06	24.32	24.09	25.0	0.5	
20	PV2 BPSK	50	28	24.26	24.60	24.28	25.5	0.0	
20	PV2 BPSK	50	56	23.09	23.05	24.06			
20	PV2 BPSK	100	0	24.17	24.48	24.23	25.0	0.5	
20	QPSK	1	1	24.27	24.33	24.23			
20	QPSK	1	53	24.33	24.37	24.30	25.5	0.0	
20	QPSK	1	104	24.30	24.41	24.27			
20	QPSK	50	0	23.28	23.32	23.12	24.5	1.0	
20	QPSK	50	28	24.15	24.32	24.08	25.5	0.0	
20	QPSK	50	56	23.77	23.91	23.76			
20	QPSK	100	0	23.38	23.58	23.46	24.5	1.0	
20	16QAM	1	1	22.80	22.94	22.87	24.5	1.0	
20	16QAM	1	1	21.95	21.92	21.86	23.0	2.5	
20	256QAM	1	1	19.81	19.88	19.80	21.0	4.5	
Channel									
Frequency (MHz)				16630	16730	16830	116.5	MPR	
15	PV2 BPSK	1	1	24.20	24.55	24.29	25.5	0.0	
Channel									
Frequency (MHz)				829	836.5	844	limit	MPR	
10	PV2 BPSK	1	1	24.42	24.66	24.26	25.5	0.0	
Channel									
Frequency (MHz)				826.5	836.5	846.5	limit	MPR	
5	PV2 BPSK	1	1	24.40	24.55	24.22	25.5	0.0	

n5_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Middle Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				834	836.5	839			
20	PV2 BPSK	1	1	24.02	24.23	23.94			
20	PV2 BPSK	1	53	23.96	23.99	23.91	25.0	0.0	
20	PV2 BPSK	1	104	23.99	23.92	23.88			
20	PV2 BPSK	50	0	24.04	24.08	24.05	25.0	0.0	
20	PV2 BPSK	50	28	23.97	24.19	23.97	25.0	0.0	
20	PV2 BPSK	50	56	23.84	23.50	23.94			
20	PV2 BPSK	100	0	23.89	24.20	23.74	25.0	0.0	
20	QPSK	1	1	23.90	23.94	23.90			
20	QPSK	1	53	23.85	24.01	23.94	25.0	0.0	
20	QPSK	1	104	23.95	23.93	23.83			
20	QPSK	50	0	22.97	23.06	22.94	24.5	0.5	
20	QPSK	50	28	23.08	23.82	23.75	25.0	0.0	
20	QPSK	50	56	23.33	23.53	23.33			
20	QPSK	100	0	23.24	23.40	23.16	24.5	0.5	
20	16QAM	1	1	23.64	23.78	23.74	24.5	0.5	
20	16QAM	1	1	21.47	21.62	21.34	23.0	2.0	
20	256QAM	1	1	19.57	19.53	19.45	21.0	4.0	
Channel									
Frequency (MHz)				16630	16730	16830	116.5	MPR	
15	PV2 BPSK	1	1	23.00	24.18	23.85	23.0	0.0	
Channel									
Frequency (MHz)				829	836.5	844	limit	MPR	
10	PV2 BPSK	1	1	23.97	24.13	23.87	25.0	0.0	
Channel									
Frequency (MHz)				826.5	836.5	846.5	limit	MPR	
5	PV2 BPSK	1	1	23.93	24.14	23.81	25.0	0.0	

n7_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Middle Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				2520	2535	2550			
40	PV2 BPSK	1	1	18.81	18.83	18.74			
40	PV2 BPSK	1	108	18.71	18.79	18.76	19.5	0.0	
40	PV2 BPSK	1	214	18.72	18.73	18.72			
40	PV2 BPSK	108	0	18.87	18.70	18.66	19.5	0.0	
40	PV2 BPSK	108	54	18.68	18.72	18.66	19.5	0.0	
40	PV2 BPSK	108	108	18.67	18.60	18.56			
40	PV2 BPSK	216	0	18.62	18.67	18.63	19.5	0.0	
40	QPSK	1	1	18.85	18.73	18.61			
40	QPSK	1	108	18.65	18.67	18.63	19.5	0.0	
40	QPSK	1	214	18.67	18.63	18.62			
40	QPSK	108	0	18.62	18.71	18.64	19.5	0.0	
40	QPSK	108	54	18.58	18.66	18.60	19.5	0.0	
40	QPSK	108	108	18.53	18.58	18.51			
40	QPSK	216	0	18.57	18.66	18.58	19.5	0.0	
40	16QAM	1	1	18.55	18.78	18.54	19.5	0.0	
40	16QAM	1	1	18.75	18.82	18.72	19.5	0.0	
40	256QAM	1	1	18.57	18.36	18.23	19.5	0.0	
Channel									
Frequency (MHz)				50300	50700	51100	116.5	MPR	
30	PV2 BPSK	1	1	25.15	2535	2555	limit	MPR	
Channel									
Frequency (MHz)				2512.5	2535	2557.5	limit	MPR	
25	PV2 BPSK	1	1	18.68	18.71	18.70	19.5	0.0	
Channel									
Frequency (MHz)				2510	2535	2560	limit	MPR	
20	PV2 BPSK	1	1	18.75	18.77	18.68	19.5	0.0	
Channel									
Frequency (MHz)				50700	50700	51200	116.5	MPR	
15	PV2 BPSK	1	1	18.66	18.76	18.65	19.5	0.0	
Channel									
Frequency (MHz)				50100	50700	51300	116.5	MPR	
10	PV2 BPSK	1	1	18.67	18.74	18.65	19.5	0.0	
Channel									
Frequency (MHz)				50500	50700	51350	116.5	MPR	
5	PV2 BPSK	1	1	2502.5	2535	2567.5	limit	MPR	
Channel									
Frequency (MHz)				18.67	18.71	18.67	19.5	0.0	



n7_Ant 3									
BW [MHz]	Modulation	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	PI2 BPSK	1	1	21.05	21.20	21.31	21.7	0.0	
40	PI2 BPSK	1	108	21.22	21.24	21.11			
40	PI2 BPSK	1	214	21.26	21.17	21.11			
40	PI2 BPSK	108	0	21.12	21.15	21.02	21.7	0.0	
40	PI2 BPSK	108	54	21.22	21.24	21.12	21.7	0.0	
40	PI2 BPSK	108	108	21.16	21.12	21.11			
40	PI2 BPSK	216	0	21.13	21.22	21.05	21.7	0.0	
40	QPSK	1	1	21.21	21.21				
40	QPSK	1	108	21.17	21.24	21.15	21.7	0.0	
40	QPSK	1	214	21.08	21.11	21.02			
40	QPSK	108	0	21.13	21.18	21.18	21.7	0.0	
40	QPSK	108	54	21.02	21.12	21.11	21.7	0.0	
40	QPSK	108	108	21.10	21.11	21.06			
40	QPSK	216	0	21.13	21.15	21.12	21.7	0.0	
40	16QAM	1	1	21.30	21.37	21.30	21.7	0.0	
40	16QAM	1	1	21.23	21.30	21.21	21.7	0.0	
40	256QAM	1	1	20.19	20.25	20.21	20.7	1.0	
Channel									
Frequency (MHz)				503000	507000	511000	limit (dBm)	MPR (dB)	
30	PI2 BPSK	1	1	21.05	21.20	21.27	21.7	0.0	
Channel									
Frequency (MHz)				502500	507000	511000	limit (dBm)	MPR (dB)	
25	PI2 BPSK	1	1	21.27	21.28	21.28	21.7	0.0	
Channel									
Frequency (MHz)				502000	507000	510000	limit (dBm)	MPR (dB)	
20	PI2 BPSK	1	1	21.29	21.32	21.26	21.7	0.0	
Channel									
Frequency (MHz)				501500	507000	512500	limit (dBm)	MPR (dB)	
15	PI2 BPSK	1	1	21.32	21.36	21.27	21.7	0.0	
Channel									
Frequency (MHz)				501000	507000	513000	limit (dBm)	MPR (dB)	
10	PI2 BPSK	1	1	21.23	21.35	21.21	21.7	0.0	
Channel									
Frequency (MHz)				500500	507000	513500	limit (dBm)	MPR (dB)	
5	PI2 BPSK	1	1	21.06	21.20	21.29	21.7	0.0	

n66_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 346000	Power Middle Ch. Freq. 348000	Power High Ch. Freq. 350000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	21.79	21.59	21.69			
40	PI2 BPSK	1	108	21.75	21.90	21.79	22.5	0.0	
40	PI2 BPSK	1	214	21.91	21.92	21.86			
40	PI2 BPSK	108	0	21.79	21.83	21.77	22.5	0.0	
40	PI2 BPSK	108	54	21.74	21.80	21.79	22.5	0.0	
40	PI2 BPSK	108	108	21.79	21.76	21.73			
40	PI2 BPSK	216	0	21.74	21.87	21.69	22.5	0.0	
40	QPSK	1	1	21.88	21.92	21.84			
40	QPSK	1	108	21.94	21.91	21.95	22.5	0.0	
40	QPSK	1	214	21.91	21.93	21.89			
40	QPSK	108	0	21.61	21.78	21.72	22.5	0.0	
40	QPSK	108	54	21.82	21.82	21.72	22.5	0.0	
40	QPSK	108	108	21.90	21.76	21.91			
40	QPSK	216	0	21.74	21.80	21.65	22.5	0.0	
40	16QAM	1	1	21.59	21.75	21.62	22.5	0.0	
40	16QAM	1	1	21.42	21.56	21.51	22.0	0.5	
40	256QAM	1	1	19.41	19.43	19.32	20.0	2.5	
Channel									
Frequency (MHz)				345000	348000	350000	limit (dBm)	MPR (dB)	
30	PI2 BPSK	1	1	21.68	21.52	21.57	22.5	0.0	
Channel									
Frequency (MHz)				344500	348000	349500	limit (dBm)	MPR (dB)	
20	PI2 BPSK	1	1	21.70	21.73	21.75	22.5	0.0	
Channel									
Frequency (MHz)				344000	348000	349000	limit (dBm)	MPR (dB)	
15	PI2 BPSK	1	1	21.68	21.71	21.71	22.5	0.0	
Channel									
Frequency (MHz)				343500	348000	349000	limit (dBm)	MPR (dB)	
10	PI2 BPSK	1	1	21.64	21.80	21.63	22.5	0.0	
Channel									
Frequency (MHz)				343000	348000	349500	limit (dBm)	MPR (dB)	
5	PI2 BPSK	1	1	21.60	21.75	21.68	22.5	0.0	

n66_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 346000	Power Middle Ch. Freq. 348000	Power High Ch. Freq. 350000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1720	1745	1765			
40	PI2 BPSK	1	1	20.49	20.60	20.58			
40	PI2 BPSK	1	108	20.49	20.51	20.49	22.0	0.0	
40	PI2 BPSK	1	214	20.54	20.58	20.48			
40	PI2 BPSK	108	0	20.45	20.47	20.40	22.0	0.0	
40	PI2 BPSK	108	54	20.45	20.50	20.44	22.0	0.0	
40	PI2 BPSK	108	108	20.39	20.48	20.37			
40	PI2 BPSK	216	0	20.42	20.48	20.41	22.0	0.0	
40	QPSK	1	1	20.31	20.32	20.27			
40	QPSK	1	108	20.47	20.54	20.44	22.0	0.0	
40	QPSK	1	214	20.44	20.54	20.48			
40	QPSK	108	0	20.31	20.41	20.37	22.0	0.0	
40	QPSK	108	54	20.38	20.46	20.38	22.0	0.0	
40	QPSK	108	108	20.05	20.16	20.06			
40	QPSK	216	0	20.34	20.41	20.40	22.0	0.0	
40	16QAM	1	1	20.46	20.51	20.43	22.0	0.0	
40	16QAM	1	1	20.38	20.45	20.43	22.0	0.0	
40	256QAM	1	1	18.40	18.43	18.37	20.0	2.0	
Channel									
Frequency (MHz)				345000	348000	350000	limit (dBm)	MPR (dB)	
30	PI2 BPSK	1	1	20.42	20.41	20.36	22.0	0.0	
Channel									
Frequency (MHz)				344500	348000	349500	limit (dBm)	MPR (dB)	
20	PI2 BPSK	1	1	20.47	20.40	20.46	22.0	0.0	
Channel									
Frequency (MHz)				344000	348000	349000	limit (dBm)	MPR (dB)	
15	PI2 BPSK	1	1	20.45	20.45	20.46	22.0	0.0	
Channel									
Frequency (MHz)				343500	348000	349500	limit (dBm)	MPR (dB)	
10	PI2 BPSK	1	1	20.39	20.47	20.40	22.0	0.0	
Channel									
Frequency (MHz)				343000	348000	349500	limit (dBm)	MPR (dB)	
5	PI2 BPSK	1	1	20.40	20.45	20.43	22.0	0.0	



n38_Ant 2											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)				2593.02	2593	2593.98					
40	P12 BPSK	1	1	21.63	21.72	21.67					
40	P12 BPSK	1	53	21.54	21.62	21.54	22.0	0.0			
40	P12 BPSK	1	104	21.63	21.68	21.67					
40	P12 BPSK	50	0	21.57	21.58	21.57	22.0	0.0			
40	P12 BPSK	50	58	21.60	21.64	21.57	22.0	0.0			
40	P12 BPSK	50	56	21.63	21.56	21.55	22.0	0.0			
40	P12 BPSK	100	0	21.61	21.62	21.58					
40	QPSK	1	1	21.66	21.70	21.64					
40	QPSK	1	53	21.53	21.63	21.56	22.0	0.0			
40	QPSK	1	104	21.64	21.65	21.62					
40	QPSK	50	0	21.50	21.58	21.56					
40	QPSK	50	28	21.45	21.54	21.46	22.0	0.0			
40	QPSK	50	56	21.53	21.56	21.49					
40	QPSK	100	0	21.62	21.62	21.59					
40	16QAM	1	1	21.63	21.67	21.64	21.5	0.0			
40	16QAM	1	1	21.67	21.70	21.66	20.0	0.0			
40	256QAM	1	1	20.30	20.46	20.39	18.0	1.5			
Channel											
Frequency (MHz)				5170.02	5190.00	5209.98					
30	P12 BPSK	1	1	21.50	21.62	21.54	22.0	0.0			
Channel											
Frequency (MHz)				5160.00	5190.00	5220.00					
20	P12 BPSK	1	1	21.54	21.60	21.60	22.0	0.0			
Channel											
Frequency (MHz)				5150.02	5190.00	5224.98					
15	P12 BPSK	1	1	21.62	21.70	21.68	22.0	0.0			
Channel											
Frequency (MHz)				5180.04	5190.00	5229.98					
10	P12 BPSK	1	1	21.57	21.70	21.59	22.0	0.0			

n38_Ant 3											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)				2593.02	2593	2593.98					
40	P12 BPSK	1	1	21.59	21.58	21.60					
40	P12 BPSK	1	63	21.54	21.57	21.47	22.5	0.0			
40	P12 BPSK	1	104	21.51	21.58	21.50					
40	P12 BPSK	50	0	21.45	21.49	21.46	22.5	0.0			
40	P12 BPSK	50	28	21.50	21.58	21.53	22.5	0.0			
40	P12 BPSK	50	56	21.34	21.43	21.41	22.5	0.0			
40	P12 BPSK	100	0	21.48	21.53	21.49					
40	QPSK	1	1	21.52	21.61	21.57					
40	QPSK	1	53	21.43	21.46	21.38	22.5	0.0			
40	QPSK	1	104	21.44	21.50	21.41					
40	QPSK	50	0	21.53	21.57	21.53					
40	QPSK	50	28	21.36	21.47	21.45	22.5	0.0			
40	QPSK	50	56	21.41	21.43	21.38					
40	QPSK	100	0	21.42	21.50	21.50	22.0	0.0			
40	16QAM	1	1	21.56	21.60	21.59	22.0	0.0			
40	16QAM	1	1	21.54	21.54	21.45	20.5	0.0			
40	256QAM	1	1	20.08	20.09	20.08	18.5	1.5			
Channel											
Frequency (MHz)				5170.02	5190.00	5209.98					
30	P12 BPSK	1	1	21.50	21.59	21.45	22.5	0.0			
Channel											
Frequency (MHz)				5160.00	5190.00	5220.00					
20	P12 BPSK	1	1	21.54	21.60	21.60	22.5	0.0			
Channel											
Frequency (MHz)				5150.02	5190.00	5224.98					
15	P12 BPSK	1	1	21.49	21.61	21.48	22.5	0.0			
Channel											
Frequency (MHz)				5180.04	5190.00	5229.98					
10	P12 BPSK	1	1	21.49	21.66	21.48	22.5	0.0			

n41_Ant 2											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)				5020.02	5185.98	5290.00					
100	P12 BPSK	1	1	20.65	20.77	20.65					
100	P12 BPSK	1	137	20.65	20.67	20.55	21.5	0.0			
100	P12 BPSK	1	271	20.65	20.71	20.59					
100	P12 BPSK	135	0	20.48	20.50	20.50	21.5	0.0			
100	P12 BPSK	135	66	20.47	20.58	20.43	21.5	0.0			
100	P12 BPSK	135	138	20.50	20.43	20.38	21.5	0.0			
100	P12 BPSK	270	0	20.46	20.55	20.48					
100	QPSK	1	1	20.51	20.53	20.58					
100	QPSK	1	137	20.54	20.57	20.45	21.5	0.0			
100	QPSK	1	271	20.58	20.57	20.49					
100	QPSK	135	0	20.51	20.50	20.41					
100	QPSK	135	66	20.45	20.50	20.51	21.5	0.0			
100	QPSK	135	138	20.46	20.53	20.54					
100	QPSK	270	0	20.38	20.41	20.37	21.5	0.0			
100	16QAM	1	1	20.56	20.62	20.62	21.5	0.0			
100	16QAM	1	1	20.57	20.65	20.64	21.5	0.0			
100	256QAM	1	1	19.59	19.63	19.64	20.0	1.0			
Channel											
Frequency (MHz)				5182.00	5185.98	5292.98					
80	P12 BPSK	1	1	20.60	20.67	20.69	21.5	0.0			
Channel											
Frequency (MHz)				5072.04	5185.98	5295.98					
80	P12 BPSK	1	1	20.58	20.69	20.59	21.5	0.0			
Channel											
Frequency (MHz)				2831.01	2562.98	2655					
70	P12 BPSK	1	1	20.59	20.70	20.54	21.5	0.0			
Channel											
Frequency (MHz)				5020.02	5185.98	5295.98					
60	P12 BPSK	1	1	20.62	20.67	20.56	21.5	0.0			
Channel											
Frequency (MHz)				5042.04	5185.98	5329.98					
50	P12 BPSK	1	1	20.60	20.66	20.59	21.5	0.0			
Channel											
Frequency (MHz)				5032.02	5185.98	5340.00					
40	P12 BPSK	1	1	20.61	20.72	20.70	21.5	0.0			
Channel											
Frequency (MHz)				5022.00	5185.98	5349.98					
30	P12 BPSK	1	1	20.67	20.72	20.56	21.5	0.0			
Channel											
Frequency (MHz)				2836.02	2562.98	2679.99					
20	P12 BPSK	1	1	20.60	20.71	20.57	21.5	0.0			



n41_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				599202	599202	599202			
100	PI2 BPSK	1	1	21.00	21.32	21.27			
100	PI2 BPSK	1	137	21.20	21.24	21.27	22.0	0.0	
100	PI2 BPSK	1	271	21.20	21.22	21.13			
100	PI2 BPSK	135	0	21.05	21.18	21.08	22.0	0.0	
100	PI2 BPSK	135	69	21.03	21.21	21.17	22.0	0.0	
100	PI2 BPSK	135	138	21.00	21.08	21.04	22.0	0.0	
100	PI2 BPSK	270	0	20.97	21.12	21.08			
100	QPSK	1	1	21.22	21.20	21.28			
100	QPSK	1	137	21.13	21.20	21.19	22.0	0.0	
100	QPSK	1	271	20.99	21.11	21.12			
100	QPSK	135	0	21.00	21.17	21.07			
100	QPSK	135	69	21.05	21.12	21.08	22.0	0.0	
100	QPSK	135	138	21.03	21.08	20.89			
100	QPSK	270	0	21.14	21.16	21.22	22.0	0.0	
100	16QAM	1	1	21.13	21.30	21.25	22.0	0.0	
100	16QAM	1	1	21.19	21.22	21.06	22.0	0.0	
100	256QAM	1	1	20.00	20.20	20.28	21.0	1.0	
Channel									
Frequency (MHz)				598200	518958	528998	Tune-up limit (dB)	MPR (dB)	
50	PI2 BPSK	1	1	21.15	21.13	21.15	22.0	0.0	
Channel									
Frequency (MHz)				507204	518958	528998	Tune-up limit (dB)	MPR (dB)	
80	PI2 BPSK	1	1	21.19	21.20	21.19	22.0	0.0	
Channel									
Frequency (MHz)				2531.01	2592.99	2655	Tune-up limit (dB)	MPR (dB)	
70	PI2 BPSK	1	1	21.16	21.12	21.12	22.0	0.0	
Channel									
Frequency (MHz)				506200	518958	528998	Tune-up limit (dB)	MPR (dB)	
60	PI2 BPSK	1	1	21.15	21.20	21.16	22.0	0.0	
Channel									
Frequency (MHz)				504204	518958	528998	Tune-up limit (dB)	MPR (dB)	
50	PI2 BPSK	1	1	21.18	21.21	21.16	22.0	0.0	
Channel									
Frequency (MHz)				503202	518958	528998	Tune-up limit (dB)	MPR (dB)	
40	PI2 BPSK	1	1	21.17	21.14	21.11	22.0	0.0	
Channel									
Frequency (MHz)				502200	518958	528998	Tune-up limit (dB)	MPR (dB)	
30	PI2 BPSK	1	1	21.11	21.15	21.09	22.0	0.0	
Channel									
Frequency (MHz)				501204	518958	528998	Tune-up limit (dB)	MPR (dB)	
20	PI2 BPSK	1	1	21.19	21.16	21.19	22.0	0.0	

Part27Q n78_Ant 4 HPUE									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				633334	633334	633334			
100	PI2 BPSK	1	1	17.15	17.15				
100	PI2 BPSK	1	137	17.14			19.0	0.0	
100	PI2 BPSK	1	271	16.92					
100	PI2 BPSK	135	0	17.03			19.0	0.0	
100	PI2 BPSK	135	69	17.04			19.0	0.0	
100	PI2 BPSK	135	138	16.86			19.0	0.0	
100	PI2 BPSK	270	0	17.01					
100	QPSK	1	1	17.06					
100	QPSK	1	137	17.12			19.0	0.0	
100	QPSK	1	271	17.13					
100	QPSK	135	0	17.01					
100	QPSK	135	69	17.06			19.0	0.0	
100	QPSK	135	138	16.93					
100	QPSK	270	0	17.05			19.0	0.0	
100	16QAM	1	1	17.15			19.0	0.0	
100	16QAM	1	1	17.14			19.0	0.0	
100	256QAM	1	1	17.07			19.0	0.0	
Channel									
Frequency (MHz)				633000	633334	633666	Tune-up limit (dB)	MPR (dB)	
90	PI2 BPSK	1	1	17.04	17.07	17.05	19.0	0.0	
Channel									
Frequency (MHz)				632666	633334	634000	Tune-up limit (dB)	MPR (dB)	
80	PI2 BPSK	1	1	17.00	17.10	17.04	19.0	0.0	
Channel									
Frequency (MHz)				3486.01	3500.01	3514.98	Tune-up limit (dB)	MPR (dB)	
70	PI2 BPSK	1	1	17.07	17.16	17.04	19.0	0.0	
Channel									
Frequency (MHz)				632000	633334	634666	Tune-up limit (dB)	MPR (dB)	
60	PI2 BPSK	1	1	17.03	17.09	17.07	19.0	0.0	
Channel									
Frequency (MHz)				631666	633334	633000	Tune-up limit (dB)	MPR (dB)	
50	PI2 BPSK	1	1	17.07	17.15	17.11	19.0	0.0	
Channel									
Frequency (MHz)				631334	633334	633666	Tune-up limit (dB)	MPR (dB)	
40	PI2 BPSK	1	1	17.08	17.11	17.01	19.0	0.0	
Channel									
Frequency (MHz)				631000	633334	633666	Tune-up limit (dB)	MPR (dB)	
30	PI2 BPSK	1	1	17.00	17.11	17.07	19.0	0.0	
Channel									
Frequency (MHz)				630666	633334	633000	Tune-up limit (dB)	MPR (dB)	
20	PI2 BPSK	1	1	16.99	17.06	17.08	19.0	0.0	
Channel									
Frequency (MHz)				630334	633334	633666	Tune-up limit (dB)	MPR (dB)	
15	PI2 BPSK	1	1	17.06	17.15	17.11	19.0	0.0	
Channel									
Frequency (MHz)				630000	633334	633666	Tune-up limit (dB)	MPR (dB)	
10	PI2 BPSK	1	1	17.07	17.13	17.05	19.0	0.0	

Part270 n78_Ant 4 HPUE									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				650000	650000	650000			
100	PI2 BPSK	1	1	17.12					
100	PI2 BPSK	1	137	16.88			19.0	0.0	
100	PI2 BPSK	1	271	16.75					
100	PI2 BPSK	135	0	16.91			19.0	0.0	
100	PI2 BPSK	135	69	17.05			19.0	0.0	
100	PI2 BPSK	135	138	16.86			19.0	0.0	
100	PI2 BPSK	270	0	17.00					
100	QPSK	1	1	16.97					
100	QPSK	1	137	16.91			19.0	0.0	
100	QPSK	1	271	16.78					
100	QPSK	135	0	16.84					
100	QPSK	135	69	16.96			19.0	0.0	
100	QPSK	135	138	16.74					
100	QPSK	270	0	16.78			19.0	0.0	
100	16QAM	1	1	16.97			19.0	0.0	
100	16QAM	1	1	17.06			19.0	0.0	
100	256QAM	1	1	16.87			19.0	0.0	
Channel									
Frequency (MHz)				649666	650000	650332	Tune-up limit (dB)	MPR (dB)	
90	PI2 BPSK	1	1	17.09	17.01	17.06	19.0	0.0	
Channel									
Frequency (MHz)				649332	650000	650666	Tune-up limit (dB)	MPR (dB)	
80	PI2 BPSK	1	1	17.01	17.04	17.00	19.0	0.0	
Channel									
Frequency (MHz)				3735	3750	3765	Tune-up limit (dB)	MPR (dB)	
70	PI2 BPSK	1	1	17.02	17.02	17.02	19.0	0.0	
Channel									
Frequency (MHz)				648666	650000	651332	Tune-up limit (dB)	MPR (dB)	
60	PI2 BPSK	1	1	17.09	17.01	17.09	19.0	0.0	
Channel									
Frequency (MHz)				648334	650000	651666	Tune-up limit (dB)	MPR (dB)	
50	PI2 BPSK	1	1	17.04	17.01	17.01	19.0	0.0	
Channel									
Frequency (MHz)				648000	650000	652000	Tune-up limit (dB)	MPR (dB)	
40	PI2 BPSK	1	1	17.05	17.05	17.05	19.0	0.0	
Channel									
Frequency (MHz)				647666	650000	652332	Tune-up limit (dB)	MPR (dB)	
30	PI2 BPSK	1	1	17.06	17.07	17.02	19.0	0.0	
Channel									
Frequency (MHz)				647334	650000	652666	Tune-up limit (dB)	MPR (dB)	
20	PI2 BPSK	1	1	17.06	17.05	17.08	19.0	0.0	
Channel									
Frequency (MHz)				647000	650000	653000	Tune-up limit (dB)	MPR (dB)	
15	PI2 BPSK	1	1	17.03	17.01	17.08	19.0	0.0	
Channel									
Frequency (MHz)				646666	650000	653332	Tune-up limit (dB)	MPR (dB)	
10	PI2 BPSK	1	1	17.03	17.02	17.03	19.0	0.0	



Part27Q n78_Ant 5 HPUE										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PI2 BPSK	1	1	16.12						
100	PI2 BPSK	1	137	16.00						
100	PI2 BPSK	1	271	16.08						
100	PI2 BPSK	135	0	15.80			17.5	0.0		
100	PI2 BPSK	135	69	16.02			17.5	0.0		
100	PI2 BPSK	135	138	16.01			17.5	0.0		
100	PI2 BPSK	270	0	15.89						
100	QPSK	1	1	15.78						
100	QPSK	1	137	15.59			17.5	0.0		
100	QPSK	1	271	16.05						
100	QPSK	135	0	15.84			17.5	0.0		
100	QPSK	135	69	16.00			17.5	0.0		
100	QPSK	135	138	15.93			17.5	0.0		
100	QPSK	270	0	15.95			17.5	0.0		
100	16QAM	1	1	15.59			17.5	0.0		
100	64QAM	1	1	15.94			17.5	0.0		
100	256QAM	1	1	15.73			17.5	0.0		
Channel										
Frequency (MHz)										
50	PI2 BPSK	1	1	63300	63334	63368	17.5	0.0	MPR	
Channel										
Frequency (MHz)										
80	PI2 BPSK	1	1	16.02	16.02	15.94	17.5	0.0		
Channel										
Frequency (MHz)										
70	PI2 BPSK	1	1	16.02	16.02	15.94	17.5	0.0		
Channel										
Frequency (MHz)										
60	PI2 BPSK	1	1	15.98	16.01	15.96	17.5	0.0		
Channel										
Frequency (MHz)										
50	PI2 BPSK	1	1	16.00	15.99	16.02	17.5	0.0		
Channel										
Frequency (MHz)										
40	PI2 BPSK	1	1	15.94	16.07	15.97	17.5	0.0		
Channel										
Frequency (MHz)										
30	PI2 BPSK	1	1	16.02	16.00	16.01	17.5	0.0		
Channel										
Frequency (MHz)										
20	PI2 BPSK	1	1	15.98	16.06	15.95	17.5	0.0		
Channel										
Frequency (MHz)										
15	PI2 BPSK	1	1	16.05	16.06	16.03	17.5	0.0		
Channel										
Frequency (MHz)										
10	PI2 BPSK	1	1	16.03	16.06	16.05	17.5	0.0		

Part27O n78_Ant 5 HPUE										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PI2 BPSK	1	1	16.17						
100	PI2 BPSK	1	137	16.13						
100	PI2 BPSK	1	271	16.11						
100	PI2 BPSK	135	0	16.00			17.5	0.0		
100	PI2 BPSK	135	69	16.11			17.5	0.0		
100	PI2 BPSK	135	138	16.09			17.5	0.0		
100	PI2 BPSK	270	0	16.03						
100	QPSK	1	1	15.97						
100	QPSK	1	137	16.07			17.5	0.0		
100	QPSK	1	271	16.08						
100	QPSK	135	0	16.01			17.5	0.0		
100	QPSK	135	69	16.06			17.5	0.0		
100	QPSK	135	138	15.97			17.5	0.0		
100	QPSK	270	0	15.95			17.5	0.0		
100	16QAM	1	1	16.08			17.5	0.0		
100	64QAM	1	1	16.00			17.5	0.0		
100	256QAM	1	1	15.92			17.5	0.0		
Channel										
Frequency (MHz)										
90	PI2 BPSK	1	1	64968	65000	65032	17.5	0.0	MPR	
Channel										
Frequency (MHz)										
80	PI2 BPSK	1	1	16.07	16.14	16.02	17.5	0.0		
Channel										
Frequency (MHz)										
70	PI2 BPSK	1	1	16.07	16.08	16.02	17.5	0.0		
Channel										
Frequency (MHz)										
60	PI2 BPSK	1	1	16.01	16.06	16.07	17.5	0.0		
Channel										
Frequency (MHz)										
50	PI2 BPSK	1	1	15.99	16.04	16.07	17.5	0.0		
Channel										
Frequency (MHz)										
40	PI2 BPSK	1	1	16.03	16.10	16.00	17.5	0.0		
Channel										
Frequency (MHz)										
30	PI2 BPSK	1	1	16.03	16.10	16.00	17.5	0.0		
Channel										
Frequency (MHz)										
20	PI2 BPSK	1	1	15.99	16.06	16.00	17.5	0.0		
Channel										
Frequency (MHz)										
15	PI2 BPSK	1	1	16.03	16.09	16.03	17.5	0.0		
Channel										
Frequency (MHz)										
10	PI2 BPSK	1	1	15.98	16.05	16.05	17.5	0.0		

Part27Q n78_Ant 6 HPUE										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PI2 BPSK	1	1	19.54						
100	PI2 BPSK	1	137	19.50						
100	PI2 BPSK	1	271	19.45						
100	PI2 BPSK	135	0	19.41			20.5	0.0		
100	PI2 BPSK	135	69	19.46			20.5	0.0		
100	PI2 BPSK	135	138	19.34			20.5	0.0		
100	PI2 BPSK	270	0	19.42						
100	QPSK	1	1	19.24						
100	QPSK	1	137	19.50			20.5	0.0		
100	QPSK	1	271	19.51						
100	QPSK	135	0	19.43			20.5	0.0		
100	QPSK	135	69	19.48			20.5	0.0		
100	QPSK	135	138	19.32			20.5	0.0		
100	QPSK	270	0	19.49			20.5	0.0		
100	16QAM	1	1	19.53			20.5	0.0		
100	64QAM	1	1	19.23			20.5	0.0		
100	256QAM	1	1	19.30			20.5	0.0		
Channel										
Frequency (MHz)										
90	PI2 BPSK	1	1	63268	63334	63400	17.5	0.0	MPR	
Channel										
Frequency (MHz)										
80	PI2 BPSK	1	1	19.40	19.32	19.37	20.5	0.0		
Channel										
Frequency (MHz)										
70	PI2 BPSK	1	1	19.40	19.37	19.28	20.5	0.0		
Channel										
Frequency (MHz)										
60	PI2 BPSK	1	1	19.28	19.43	19.29	20.5	0.0		
Channel										
Frequency (MHz)										
50	PI2 BPSK	1	1	19.37	19.43	19.33	20.5	0.0		
Channel										
Frequency (MHz)										
40	PI2 BPSK	1	1	19.29	19.29	19.40	20.5	0.0		
Channel										
Frequency (MHz)										
30	PI2 BPSK	1	1	19.33	19.40	19.28	20.5	0.0		
Channel										
Frequency (MHz)										
20	PI2 BPSK	1	1	19.31	19.42	19.41	20.5	0.0		
Channel										
Frequency (MHz)										
15	PI2 BPSK	1	1	19.40	19.41	19.38	20.5	0.0		
Channel										
Frequency (MHz)										
10	PI2 BPSK	1	1	19.42	19.49	19.34	20.5	0.0		



Part270 n78_Ant 6 HPUE									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mises Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	19.28	19.28	19.28	20.5	0.0	
100	PI2 BPSK	1	137	19.48	19.48	19.48	20.5	0.0	
100	PI2 BPSK	1	271	19.41	19.41	19.41	20.5	0.0	
100	PI2 BPSK	135	0	19.43	19.43	19.43	20.5	0.0	
100	PI2 BPSK	135	69	19.52	19.52	19.52	20.5	0.0	
100	PI2 BPSK	135	138	19.38	19.38	19.38	20.5	0.0	
100	PI2 BPSK	270	0	19.34	19.34	19.34	20.5	0.0	
100	QPSK	1	1	19.47	19.47	19.47	20.5	0.0	
100	QPSK	1	137	19.48	19.48	19.48	20.5	0.0	
100	QPSK	1	271	19.47	19.47	19.47	20.5	0.0	
100	QPSK	135	0	19.48	19.48	19.48	20.5	0.0	
100	QPSK	135	69	19.52	19.52	19.52	20.5	0.0	
100	QPSK	135	138	19.38	19.38	19.38	20.5	0.0	
100	QPSK	270	0	19.32	19.32	19.32	20.5	0.0	
100	16QAM	1	1	19.43	19.43	19.43	20.5	0.0	
100	16QAM	1	1	19.41	19.41	19.41	20.5	0.0	
100	256QAM	1	1	19.45	19.45	19.45	20.5	0.0	
Channel									
Frequency (MHz)									
50	PI2 BPSK	1	1	649668	650000	650332	Time-up limit (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
80	PI2 BPSK	1	1	3749.01	3750	3759.99	Time-up limit (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
70	PI2 BPSK	1	1	19.40	19.43	19.41	20.5	0.0	
Channel									
Frequency (MHz)									
60	PI2 BPSK	1	1	19.43	19.47	19.47	20.5	0.0	
Channel									
Frequency (MHz)									
50	PI2 BPSK	1	1	19.49	19.51	19.41	20.5	0.0	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	19.44	19.48	19.38	20.5	0.0	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	19.44	19.51	19.46	20.5	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	19.48	19.52	19.43	20.5	0.0	
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1	19.50	19.48	19.48	20.5	0.0	
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1	19.42	19.50	19.43	20.5	0.0	

Part27Q n78_Ant 7 HPUE									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mises Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	15.58	15.58	15.58	17.0	0.0	
100	PI2 BPSK	1	137	15.84	15.84	15.84	17.0	0.0	
100	PI2 BPSK	1	271	15.47	15.47	15.47	17.0	0.0	
100	PI2 BPSK	135	0	15.51	15.51	15.51	17.0	0.0	
100	PI2 BPSK	135	69	15.55	15.55	15.55	17.0	0.0	
100	PI2 BPSK	135	138	15.49	15.49	15.49	17.0	0.0	
100	PI2 BPSK	270	0	15.56	15.56	15.56	17.0	0.0	
100	QPSK	1	1	15.56	15.56	15.56	17.0	0.0	
100	QPSK	1	137	15.51	15.51	15.51	17.0	0.0	
100	QPSK	1	271	15.44	15.44	15.44	17.0	0.0	
100	QPSK	135	0	15.44	15.44	15.44	17.0	0.0	
100	QPSK	135	69	15.50	15.50	15.50	17.0	0.0	
100	QPSK	135	138	15.34	15.34	15.34	17.0	0.0	
100	QPSK	270	0	15.46	15.46	15.46	17.0	0.0	
100	16QAM	1	1	15.56	15.56	15.56	17.0	0.0	
100	16QAM	1	1	15.41	15.41	15.41	17.0	0.0	
100	256QAM	1	1	15.57	15.57	15.57	17.0	0.0	
Channel									
Frequency (MHz)									
90	PI2 BPSK	1	1	633000	633334	633666	Time-up limit (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
80	PI2 BPSK	1	1	3489.02	3500.01	3510	Time-up limit (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
70	PI2 BPSK	1	1	15.43	15.50	15.50	17.0	0.0	
Channel									
Frequency (MHz)									
60	PI2 BPSK	1	1	15.45	15.51	15.43	17.0	0.0	
Channel									
Frequency (MHz)									
50	PI2 BPSK	1	1	15.42	15.47	15.43	17.0	0.0	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	15.46	15.51	15.40	17.0	0.0	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	15.46	15.51	15.40	17.0	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	15.48	15.45	15.44	17.0	0.0	
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1	15.39	15.50	15.49	17.0	0.0	
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1	15.45	15.49	15.50	17.0	0.0	

Part270 n78_Ant 7 HPUE									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mises Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	15.52	15.52	15.52	17.0	0.0	
100	PI2 BPSK	1	137	15.18	15.18	15.18	17.0	0.0	
100	PI2 BPSK	1	271	15.05	15.05	15.05	17.0	0.0	
100	PI2 BPSK	135	0	15.28	15.28	15.28	17.0	0.0	
100	PI2 BPSK	135	69	15.23	15.23	15.23	17.0	0.0	
100	PI2 BPSK	135	138	15.07	15.07	15.07	17.0	0.0	
100	PI2 BPSK	270	0	15.12	15.12	15.12	17.0	0.0	
100	QPSK	1	1	15.11	15.11	15.11	17.0	0.0	
100	QPSK	1	137	15.17	15.17	15.17	17.0	0.0	
100	QPSK	1	271	15.12	15.12	15.12	17.0	0.0	
100	QPSK	135	0	15.16	15.16	15.16	17.0	0.0	
100	QPSK	135	69	15.21	15.21	15.21	17.0	0.0	
100	QPSK	135	138	14.95	14.95	14.95	17.0	0.0	
100	QPSK	270	0	15.22	15.22	15.22	17.0	0.0	
100	16QAM	1	1	15.25	15.25	15.25	17.0	0.0	
100	16QAM	1	1	15.21	15.21	15.21	17.0	0.0	
100	256QAM	1	1	15.25	15.25	15.25	17.0	0.0	
Channel									
Frequency (MHz)									
90	PI2 BPSK	1	1	649668	650000	650332	Time-up limit (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
80	PI2 BPSK	1	1	3749.01	3750	3759.99	Time-up limit (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
70	PI2 BPSK	1	1	15.13	15.20	15.20	17.0	0.0	
Channel									
Frequency (MHz)									
60	PI2 BPSK	1	1	15.13	15.26	15.20	17.0	0.0	
Channel									
Frequency (MHz)									
50	PI2 BPSK	1	1	15.18	15.20	15.14	17.0	0.0	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	15.19	15.20	15.19	17.0	0.0	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	15.15	15.18	15.23	17.0	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	15.14	15.23	15.21	17.0	0.0	
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1	15.12	15.24	15.24	17.0	0.0	
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1	15.19	15.20	15.20	17.0	0.0	



Reduced DS4 Power for EN-DC NR Main PA

n5_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Turn-up	MPR	
				Low Ch. / Freq.	Mid Ch. / Freq.	High Ch. / Freq.			
Channel				16680	16730	16780			
Frequency (MHz)				824	836.5	849			
20	P12 BPSK	1	1	24.43	24.56	24.33			
20	P12 BPSK	1	53	24.41	24.42	24.30	25.5	0.0	
20	P12 BPSK	1	104	24.34	24.31	24.31			
20	P12 BPSK	50	0	24.06	24.32	24.06	25.0	0.5	
20	P12 BPSK	50	28	24.35	24.60	24.28	25.5	0.0	
20	P12 BPSK	50	56	23.09	23.05	24.05			
20	P12 BPSK	100	0	24.17	24.48	24.23	25.0	0.5	
20	QPSK	1	1	24.27	24.33	24.23			
20	QPSK	1	53	24.30	24.37	24.30	25.5	0.0	
20	QPSK	1	104	24.30	24.41	24.27			
20	QPSK	50	0	23.26	23.32	23.14	24.5	1.0	
20	QPSK	50	28	24.15	24.32	24.08	25.5	0.0	
20	QPSK	50	56	23.77	23.91	23.76	24.5	1.0	
20	QPSK	100	0	23.36	23.58	23.46			
20	16QAM	1	1	22.90	22.94	22.87	24.5	1.0	
20	64QAM	1	1	21.93	21.92	21.86	23.0	2.5	
20	256QAM	1	1	19.81	19.89	19.80	21.0	4.5	
Channel				16630	16730	16830	MPR		
Frequency (MHz)				831.5	836.5	841.5	(dB)		
15	P12 BPSK	1	1	24.38	24.65	24.26	25.5	0.0	
Channel				16680	16730	16880	MPR		
Frequency (MHz)				820	830.5	844	(dB)		
10	P12 BPSK	1	1	24.42	24.56	24.25	25.5	0.0	
Channel				16530	16730	16930	MPR		
Frequency (MHz)				826.5	836.5	846.5	(dB)		
5	P12 BPSK	1	1	24.40	24.66	24.22	25.0	0.0	

n5_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Turn-up	MPR	
				Low Ch. / Freq.	Mid Ch. / Freq.	High Ch. / Freq.			
Channel				16680	16730	16780			
Frequency (MHz)				824	836.5	849			
20	P12 BPSK	1	1	24.63	24.71	24.44			
20	P12 BPSK	1	53	24.46	24.65	24.38	25.5	0.0	
20	P12 BPSK	1	104	24.42	24.37	24.33			
20	P12 BPSK	50	0	24.06	24.26	24.03	25.0	0.5	
20	P12 BPSK	50	28	24.63	24.66	24.60	25.5	0.0	
20	P12 BPSK	50	56	23.90	23.91	23.91	25.0	0.5	
20	P12 BPSK	100	0	23.88	24.17	23.79			
20	QPSK	1	1	24.43	24.51	24.36			
20	QPSK	1	53	24.41	24.50	24.52	25.5	0.0	
20	QPSK	1	104	24.42	24.47	24.30			
20	QPSK	50	0	22.96	23.11	23.01	24.5	1.0	
20	QPSK	50	28	24.24	24.38	24.19	25.5	0.0	
20	QPSK	50	56	23.33	23.48	23.35	24.5	1.0	
20	QPSK	100	0	23.21	23.35	23.19			
20	16QAM	1	1	23.01	23.19	23.10	24.5	1.0	
20	64QAM	1	1	21.93	21.97	21.91	23.0	2.5	
20	256QAM	1	1	19.92	19.98	19.83	21.0	4.5	
Channel				16630	16730	16830	MPR		
Frequency (MHz)				831.5	836.5	841.5	(dB)		
15	P12 BPSK	1	1	24.44	24.65	24.33	25.5	0.0	
Channel				16680	16730	16880	MPR		
Frequency (MHz)				820	830.5	844	(dB)		
10	P12 BPSK	1	1	24.47	24.65	24.35	25.5	0.0	
Channel				16530	16730	16930	MPR		
Frequency (MHz)				826.5	836.5	846.5	(dB)		
5	P12 BPSK	1	1	24.49	24.65	24.30	25.5	0.0	

n7_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Turn-up	MPR	
				Low Ch. / Freq.	Mid Ch. / Freq.	High Ch. / Freq.			
Channel				90400	90700	91000			
Frequency (MHz)				2322	2335	2349			
40	P12 BPSK	1	1	23.86	23.97	23.78			
40	P12 BPSK	1	108	23.64	23.71	23.67	24.5	0.0	
40	P12 BPSK	1	214	23.79	23.70	23.71			
40	P12 BPSK	108	0	23.46	23.73	23.66	24.5	0.0	
40	P12 BPSK	108	54	23.66	23.83	23.52	24.5	0.0	
40	P12 BPSK	108	108	23.55	23.53	23.54	24.5	0.0	
40	P12 BPSK	216	0	23.62	23.65	23.54			
40	QPSK	1	1	23.63	23.73	23.59			
40	QPSK	1	108	23.61	23.67	23.62	24.5	0.0	
40	QPSK	1	214	23.52	23.57	23.69			
40	QPSK	108	0	23.66	23.76	23.69	24.5	0.0	
40	QPSK	108	54	23.68	23.72	23.53	24.5	0.0	
40	QPSK	108	108	23.67	23.48	23.54	24.5	0.0	
40	QPSK	216	0	23.67	23.61	23.64			
40	16QAM	1	1	23.49	23.62	23.48	24.5	0.0	
40	64QAM	1	1	22.31	22.42	22.41	23.0	1.5	
40	256QAM	1	1	20.24	20.29	20.16	21.0	3.5	
Channel				90300	90700	91100	MPR		
Frequency (MHz)				2316	2335	2354	(dB)		
30	P12 BPSK	1	1	23.75	23.76	23.66	24.5	0.0	
Channel				90200	90700	91100	MPR		
Frequency (MHz)				2312.5	2335	2357.5	(dB)		
25	P12 BPSK	1	1	23.82	23.78	23.67	24.5	0.0	
Channel				90200	90700	91200	MPR		
Frequency (MHz)				2310	2335	2360	(dB)		
20	P12 BPSK	1	1	23.74	23.83	23.63	24.5	0.0	
Channel				90100	90700	91200	MPR		
Frequency (MHz)				2307.5	2335	2362.5	(dB)		
15	P12 BPSK	1	1	23.81	23.83	23.70	24.5	0.0	
Channel				90100	90700	91300	MPR		
Frequency (MHz)				2305	2335	2365	(dB)		
10	P12 BPSK	1	1	23.79	23.74	23.65	24.5	0.0	
Channel				90000	90700	91300	MPR		
Frequency (MHz)				2302.5	2335	2367.5	(dB)		
5	P12 BPSK	1	1	23.81	23.81	23.68	24.5	0.0	



n7_Ant 3											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)				2500	2525	2550					
40	PI2 BPSK	1	1	2479	2486	2473					
40	PI2 BPSK	1	108	2478	2485	2474	25.2		0.0		
40	PI2 BPSK	1	214	2468	2480	2487					
40	PI2 BPSK	108	0	2477	2479	2475	34.7		0.5		
40	PI2 BPSK	108	54	2461	2469	2457	25.2		0.0		
40	PI2 BPSK	108	108	2478	2473	2479					
40	PI2 BPSK	216	0	2476	2472	2470	24.7		0.5		
40	QPSK	1	1	2478	2480	2476					
40	QPSK	1	108	2459	2460	2467			0.0		
40	QPSK	1	214	2473	2481	2458					
40	QPSK	108	0	2480	2484	2480	24.2		1.0		
40	QPSK	108	54	2464	2469	2462	35.2		0.0		
40	QPSK	108	108	2372	2381	2352	24.2		1.0		
40	QPSK	216	0	2387	2376	2368					
40	16QAM	1	1	2403	2416	2392	24.2		1.0		
40	16QAM	1	1	2251	2244	2237	22.7		2.5		
40	256QAM	1	1	2016	2037	2028	20.7		4.5		
Channel											
Frequency (MHz)				50300	50700	51100	118.0	MPR			
Frequency (MHz)				2415	2424	2434					
30	PI2 BPSK	1	1	2466	2474	2485	25.2		0.0		
Channel											
Frequency (MHz)				50200	50700	51150	118.0	MPR			
Frequency (MHz)				2472.5	2535	2637.5					
20	PI2 BPSK	1	1	2476	2483	2480	25.2		0.0		
Channel											
Frequency (MHz)				50200	50700	51200	118.0	MPR			
Frequency (MHz)				2510	2535	2560					
20	PI2 BPSK	1	1	2475	2480	2479	25.2		0.0		
Channel											
Frequency (MHz)				50700	50700	51250	118.0	MPR			
Frequency (MHz)				2507.5	2535	2562.5					
15	PI2 BPSK	1	1	2481	2485	2482	25.2		0.0		
Channel											
Frequency (MHz)				50100	50700	51300	118.0	MPR			
Frequency (MHz)				2495	2535	2555					
10	PI2 BPSK	1	1	2489	2483	2484	25.2		0.0		
Channel											
Frequency (MHz)				50500	50700	51350	118.0	MPR			
Frequency (MHz)				2505.5	2524	2587.5					
5	PI2 BPSK	1	1	2484	2487	2482	25.2		0.0		

n66_Ant 2											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)				1820	1845	1870					
40	PI2 BPSK	1	1	2389	2381	2372					
40	PI2 BPSK	1	108	2387	2374	2369	24.5		0.0		
40	PI2 BPSK	1	214	2349	2359	2360					
40	PI2 BPSK	108	0	2384	2387	2385	34.0		0.5		
40	PI2 BPSK	108	54	2368	2378	2360	24.5		0.0		
40	PI2 BPSK	108	108	2361	2351	2339					
40	PI2 BPSK	216	0	2352	2374	2368	24.0		0.5		
40	QPSK	1	1	2387	2372	2377					
40	QPSK	1	108	2330	2374	2350	24.5		0.0		
40	QPSK	1	214	2383	2357	2357					
40	QPSK	108	0	2387	2382	2381	23.5		1.0		
40	QPSK	108	54	2365	2387	2373	24.5		0.0		
40	QPSK	108	108	2348	2346	2340	23.0		1.0		
40	QPSK	216	0	2348	2351	2352					
40	16QAM	1	1	2312	2323	2295	23.0		1.0		
40	16QAM	1	1	2176	2177	2167	22.0		2.5		
40	256QAM	1	1	1964	1976	1972	20.0		4.5		
Channel											
Frequency (MHz)				34500	34900	35300	118.0	MPR			
Frequency (MHz)				1825	1845	1865					
30	PI2 BPSK	1	1	2385	2379	2388	24.5		0.0		
Channel											
Frequency (MHz)				34400	34900	35400	118.0	MPR			
Frequency (MHz)				1720	1745	1770					
20	PI2 BPSK	1	1	2384	2388	2389	24.5		0.0		
Channel											
Frequency (MHz)				34300	34900	35400	118.0	MPR			
Frequency (MHz)				1717.5	1745	1772.5					
15	PI2 BPSK	1	1	2387	2388	2387	24.0		0.0		
Channel											
Frequency (MHz)				34300	34900	35500	118.0	MPR			
Frequency (MHz)				1715	1745	1775					
10	PI2 BPSK	1	1	2378	2376	2365	24.5		0.0		
Channel											
Frequency (MHz)				34200	34900	35500	118.0	MPR			
Frequency (MHz)				1712.5	1745	1777.5					
5	PI2 BPSK	1	1	2387	2371	2387	24.5		0.0		

n66_Ant 3											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)				1820	1845	1870					
40	PI2 BPSK	1	1	2382	2385	2385					
40	PI2 BPSK	1	108	2295	2301	2302	24.5		0.0		
40	PI2 BPSK	1	214	2285	2283	2304					
40	PI2 BPSK	108	0	2398	2395	2399	24.0		0.5		
40	PI2 BPSK	108	54	2380	2382	2380	24.5		0.0		
40	PI2 BPSK	108	108	2289	2295	2299					
40	PI2 BPSK	216	0	2298	2298	2293	24.0		0.5		
40	QPSK	1	1	2285	2300	2287					
40	QPSK	1	108	2297	2295	2298	24.5		0.0		
40	QPSK	1	214	2298	2296	2282					
40	QPSK	108	0	2285	2298	2278	23.5		1.0		
40	QPSK	108	54	2287	2289	2280	24.5		0.0		
40	QPSK	108	108	2195	2221	2225	23.5		1.0		
40	QPSK	216	0	2184	2188	2227					
40	16QAM	1	1	2205	2215	2231	23.5		1.0		
40	16QAM	1	1	2024	2026	2037	22.0		2.5		
40	256QAM	1	1	1825	1837	1879	20.0		4.5		
Channel											
Frequency (MHz)				34500	34900	35300	118.0	MPR			
Frequency (MHz)				1825	1845	1865					
30	PI2 BPSK	1	1	2298	2304	2302	24.5		0.0		
Channel											
Frequency (MHz)				34400	34900	35400	118.0	MPR			
Frequency (MHz)				1720	1745	1770					
20	PI2 BPSK	1	1	2380	2382	2382	24.5		0.0		
Channel											
Frequency (MHz)				34300	34900	35400	118.0	MPR			
Frequency (MHz)				1717.5	1745	1772.5					
15	PI2 BPSK	1	1	2292	2301	2303	24.5		0.0		
Channel											
Frequency (MHz)				34300	34900	35500	118.0	MPR			
Frequency (MHz)				1715	1745	1775					
10	PI2 BPSK	1	1	2294	2302	2300	24.5		0.0		
Channel											
Frequency (MHz)				34200	34900	35500	118.0	MPR			
Frequency (MHz)				1712.5	1745	1777.5					
5	PI2 BPSK	1	1	2301	2301	2300	24.5		0.0		



n38_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				2591.02	2595	2598.98			
40	PI2 BPSK	1	1	24.42	24.47	24.51	25.0	0.0	
40	PI2 BPSK	1	53	24.48	24.44	24.47	25.0	0.0	
40	PI2 BPSK	1	104	24.45	24.53	24.55	25.0	0.0	
40	PI2 BPSK	50	0	24.37	24.36	24.27	24.5	0.5	
40	PI2 BPSK	50	25	24.33	24.45	24.38	25.0	0.0	
40	PI2 BPSK	50	56	24.33	24.33	24.32	24.5	0.5	
40	PI2 BPSK	100	0	24.12	24.37	24.10	24.5	0.5	
40	QPSK	1	1	24.44	24.34	24.35	25.0	0.0	
40	QPSK	1	53	24.39	24.33	24.36	25.0	0.0	
40	QPSK	1	104	24.41	24.39	24.40	25.0	0.0	
40	QPSK	50	0	24.39	24.42	24.35	25.0	0.0	
40	QPSK	50	25	24.39	24.40	24.42	25.0	0.0	
40	QPSK	50	56	24.34	24.44	24.41	25.0	0.0	
40	QPSK	100	0	23.43	23.34	23.51	24.0	1.0	
40	16QAM	1	1	23.64	23.98	23.92	24.0	1.0	
40	16QAM	1	1	22.60	22.48	22.41	22.5	2.5	
40	256QAM	1	1	20.40	20.42	20.48	20.5	4.5	
Channel									
Frequency (MHz)				5170.02	518000	520998			
30	PI2 BPSK	1	1	24.57	24.62	24.56	25.0	0.0	
Channel									
Frequency (MHz)				516000	519000	520000			
20	PI2 BPSK	1	1	24.40	24.53	24.52	25.5	0.0	
Channel									
Frequency (MHz)				2597.51	2595	2612.49			
15	PI2 BPSK	1	1	24.34	24.61	24.46	25.0	0.0	
Channel									
Frequency (MHz)				518004	519000	520996			
10	PI2 BPSK	1	1	24.41	24.65	24.41	25.0	0.0	

n38_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				2591.02	2595	2598.98			
40	PI2 BPSK	1	1	24.59	24.65	24.49	25.5	0.0	
40	PI2 BPSK	1	63	24.53	24.54	24.49	25.5	0.0	
40	PI2 BPSK	1	104	24.60	24.49	24.56	25.5	0.0	
40	PI2 BPSK	50	0	24.41	24.46	24.36	25.0	0.5	
40	PI2 BPSK	50	25	24.57	24.58	24.55	25.5	0.0	
40	PI2 BPSK	50	56	24.31	24.33	24.27	25.0	0.5	
40	PI2 BPSK	100	0	23.91	23.94	23.92	25.0	0.5	
40	QPSK	1	1	24.49	24.52	24.46	25.5	0.0	
40	QPSK	1	53	24.20	24.29	24.11	25.5	0.0	
40	QPSK	1	104	23.99	24.03	23.91	25.5	0.0	
40	QPSK	50	0	23.39	23.55	23.38	25.5	0.0	
40	QPSK	50	25	24.14	24.24	24.16	25.5	0.0	
40	QPSK	50	56	23.36	23.46	23.23	24.5	1.0	
40	QPSK	100	0	23.30	23.41	23.25	24.5	1.0	
40	16QAM	1	1	23.29	23.43	23.25	24.5	1.0	
40	16QAM	1	1	22.22	22.20	22.08	23.0	2.5	
40	256QAM	1	1	19.93	20.02	19.79	21.0	4.5	
Channel									
Frequency (MHz)				5170.02	519000	520998			
30	PI2 BPSK	1	1	24.63	24.63	24.59	25.5	0.0	
Channel									
Frequency (MHz)				516000	519000	520000			
20	PI2 BPSK	1	1	24.42	24.47	24.39	25.5	0.0	
Channel									
Frequency (MHz)				2597.51	2595	2612.49			
15	PI2 BPSK	1	1	24.63	24.63	24.46	25.5	0.0	
Channel									
Frequency (MHz)				518004	519000	520996			
10	PI2 BPSK	1	1	24.46	24.63	24.39	25.5	0.0	

n41_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				2598.01	2592.99	2590			
100	PI2 BPSK	1	1	23.71	23.75	23.84	24.5	0.0	
100	PI2 BPSK	1	137	23.61	23.71	23.83	24.5	0.0	
100	PI2 BPSK	1	271	23.70	23.69	23.70	24.5	0.0	
100	PI2 BPSK	135	0	23.33	23.48	23.84	24.5	0.0	
100	PI2 BPSK	135	66	23.51	23.60	23.40	24.5	0.0	
100	PI2 BPSK	135	138	23.52	23.40	23.33	24.5	0.0	
100	PI2 BPSK	270	0	23.51	23.67	23.43	24.5	0.0	
100	QPSK	1	1	23.33	23.52	23.59	24.5	0.0	
100	QPSK	1	137	23.48	23.56	23.47	24.5	0.0	
100	QPSK	1	271	23.61	23.56	23.63	24.5	0.0	
100	QPSK	135	0	23.52	23.52	23.41	24.5	0.0	
100	QPSK	135	66	23.44	23.53	23.49	24.5	0.0	
100	QPSK	135	138	23.44	23.50	23.50	24.5	0.0	
100	QPSK	270	0	22.97	23.02	22.98	24.0	0.5	
100	16QAM	1	1	23.30	23.28	23.23	24.0	0.5	
100	16QAM	1	1	21.68	21.84	21.62	22.0	2.0	
100	256QAM	1	1	19.58	19.65	19.67	20.0	4.0	
Channel									
Frequency (MHz)				516200	518598	520996			
80	PI2 BPSK	1	1	23.61	23.68	23.66	24.5	0.0	
Channel									
Frequency (MHz)				507204	518598	520998			
80	PI2 BPSK	1	1	23.62	23.67	23.61	24.5	0.0	
Channel									
Frequency (MHz)				2593.01	2592.99	2605			
70	PI2 BPSK	1	1	23.68	23.71	23.80	24.5	0.0	
Channel									
Frequency (MHz)				502400	518598	520996			
60	PI2 BPSK	1	1	23.66	23.63	23.57	24.5	0.0	
Channel									
Frequency (MHz)				504204	518598	520998			
50	PI2 BPSK	1	1	23.68	23.66	23.57	24.5	0.0	
Channel									
Frequency (MHz)				503202	518598	520996			
40	PI2 BPSK	1	1	23.62	23.65	23.58	24.5	0.0	
Channel									
Frequency (MHz)				502200	518598	520996			
30	PI2 BPSK	1	1	23.61	23.66	23.65	24.5	0.0	
Channel									
Frequency (MHz)				2595.02	2592.99	2679.99			
20	PI2 BPSK	1	1	23.66	23.71	23.58	24.5	0.0	



n41_Ant 3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				599202	599299	599300		
100	Pi2 BPSK	1	1	24.45	24.54	24.21	25.5	0.0
100	Pi2 BPSK	1	137	24.33	24.40	24.11		
100	Pi2 BPSK	1	271	24.25	24.24	24.21		
100	Pi2 BPSK	135	0	23.89	23.88	23.79	25.0	0.5
100	Pi2 BPSK	135	69	24.10	24.25	24.12	25.5	0.0
100	Pi2 BPSK	135	138	23.83	23.82	23.81	25.0	0.5
100	Pi2 BPSK	270	0	23.88	23.78	23.83		
100	QPSK	1	1	24.28	24.38	24.31		
100	QPSK	1	137	24.20	24.23	24.18	25.5	0.0
100	QPSK	1	271	24.04	24.18	24.10		
100	QPSK	135	0	23.67	23.54	23.66		
100	QPSK	135	69	24.04	24.20	24.12	25.5	0.0
100	QPSK	135	138	23.58	23.56	23.67	24.5	1.0
100	QPSK	270	0	23.63	23.18	23.03		
100	16QAM	1	1	23.56	23.67	23.61	24.5	1.0
100	16QAM	1	1	23.00	22.03	23.18	23.0	2.5
100	256QAM	1	1	19.79	19.82	19.83	21.0	4.5
Channel								
Frequency (MHz)				598200	518998	589998	Tune-up limit (dB)	MPR (dB)
50	Pi2 BPSK	1	1	24.41	24.43	24.28	25.5	0.0
Channel								
Frequency (MHz)				597204	518998	589998	Tune-up limit (dB)	MPR (dB)
80	Pi2 BPSK	1	1	24.37	24.40	24.24	25.5	0.0
Channel								
Frequency (MHz)				595302	518998	581000	Tune-up limit (dB)	MPR (dB)
70	Pi2 BPSK	1	1	25.31	26.92	26.65	25.0	0.0
Channel								
Frequency (MHz)				596200	518998	581998	Tune-up limit (dB)	MPR (dB)
60	Pi2 BPSK	1	1	24.44	24.42	24.24	25.5	0.0
Channel								
Frequency (MHz)				594204	518998	582998	Tune-up limit (dB)	MPR (dB)
50	Pi2 BPSK	1	1	24.37	24.44	24.32	25.5	0.0
Channel								
Frequency (MHz)				593202	518998	583000	Tune-up limit (dB)	MPR (dB)
40	Pi2 BPSK	1	1	24.19	24.42	24.20	25.5	0.0
Channel								
Frequency (MHz)				592200	518998	583998	Tune-up limit (dB)	MPR (dB)
30	Pi2 BPSK	1	1	24.46	24.50	24.28	25.5	0.0
Channel								
Frequency (MHz)				591204	518998	583998	Tune-up limit (dB)	MPR (dB)
20	Pi2 BPSK	1	1	24.38	24.42	24.32	25.5	0.0

Part27Q n78_Ant 4 HPUE								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				633334	633334	633334		
100	Pi2 BPSK	1	1	23.72	23.59	23.59	25.5	0.0
100	Pi2 BPSK	1	137	23.37				
100	Pi2 BPSK	1	271	23.37				
100	Pi2 BPSK	135	0	23.58			25.5	0.0
100	Pi2 BPSK	135	69	23.80			25.5	0.0
100	Pi2 BPSK	135	138	23.35			25.5	0.0
100	Pi2 BPSK	270	0	23.53				
100	QPSK	1	1	23.58				
100	QPSK	1	137	23.61			25.5	0.0
100	QPSK	1	271	23.68				
100	QPSK	135	0	23.52			25.5	0.0
100	QPSK	135	69	23.56			25.5	0.0
100	QPSK	135	138	23.48			25.5	0.0
100	QPSK	270	0	23.53			25.5	0.0
100	16QAM	1	1	23.64			25.5	0.0
100	16QAM	1	1	22.20			24.0	1.5
100	256QAM	1	1	21.00			22.0	3.5
Channel								
Frequency (MHz)				633000	633334	633666	Tune-up limit (dB)	MPR (dB)
90	Pi2 BPSK	1	1	23.68	3502.01	3504.99	25.0	0.0
Channel								
Frequency (MHz)				632666	633334	634000	Tune-up limit (dB)	MPR (dB)
80	Pi2 BPSK	1	1	23.84	3502.01	3510	25.0	0.0
Channel								
Frequency (MHz)				632334	633334	634332	Tune-up limit (dB)	MPR (dB)
70	Pi2 BPSK	1	1	23.61	3500.01	3514.98	25.0	0.0
Channel								
Frequency (MHz)				632000	633334	634666	Tune-up limit (dB)	MPR (dB)
60	Pi2 BPSK	1	1	23.61	3500.01	3519.99	25.5	0.0
Channel								
Frequency (MHz)				631666	633334	635000	Tune-up limit (dB)	MPR (dB)
50	Pi2 BPSK	1	1	23.59	3508	3518	25.5	0.0
Channel								
Frequency (MHz)				631334	633334	635332	Tune-up limit (dB)	MPR (dB)
40	Pi2 BPSK	1	1	23.54	3500.01	3529.98	25.5	0.0
Channel								
Frequency (MHz)				631000	633334	635666	Tune-up limit (dB)	MPR (dB)
30	Pi2 BPSK	1	1	23.61	3500.01	3534.98	25.5	0.0
Channel								
Frequency (MHz)				630666	633334	636000	Tune-up limit (dB)	MPR (dB)
20	Pi2 BPSK	1	1	23.53	3505	3538	25.5	0.0
Channel								
Frequency (MHz)				630334	633334	636332	Tune-up limit (dB)	MPR (dB)
15	Pi2 BPSK	1	1	23.52	3506	3543	25.5	0.0
Channel								
Frequency (MHz)				630000	633334	636666	Tune-up limit (dB)	MPR (dB)
10	Pi2 BPSK	1	1	23.54	3501	3549	25.0	0.0

Part27O n78_Ant 4 HPUE								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				650000	650000	650000		
100	Pi2 BPSK	1	1	23.62	3792	3792	25.5	0.0
100	Pi2 BPSK	1	137	23.42				
100	Pi2 BPSK	1	271	23.29				
100	Pi2 BPSK	135	0	23.41			25.5	0.0
100	Pi2 BPSK	135	69	23.58			25.5	0.0
100	Pi2 BPSK	135	138	23.35			25.5	0.0
100	Pi2 BPSK	270	0	23.63				
100	QPSK	1	1	23.47				
100	QPSK	1	137	23.45			25.5	0.0
100	QPSK	1	271	23.36				
100	QPSK	135	0	23.29			25.5	0.0
100	QPSK	135	69	23.45			25.5	0.0
100	QPSK	135	138	23.24			25.5	0.0
100	QPSK	270	0	23.29			25.5	0.0
100	16QAM	1	1	23.48			25.5	0.0
100	16QAM	1	1	22.98			24.0	1.5
100	256QAM	1	1	20.10			22.0	3.5
Channel								
Frequency (MHz)				649666	650000	650332	Tune-up limit (dB)	MPR (dB)
90	Pi2 BPSK	1	1	23.45	3792	3794.98	25.5	0.0
Channel								
Frequency (MHz)				649334	650000	650666	Tune-up limit (dB)	MPR (dB)
80	Pi2 BPSK	1	1	23.43	3792	3795.98	25.5	0.0
Channel								
Frequency (MHz)				649000	650000	651000	Tune-up limit (dB)	MPR (dB)
70	Pi2 BPSK	1	1	23.52	3792	3795	25.5	0.0
Channel								
Frequency (MHz)				648666	650000	651332	Tune-up limit (dB)	MPR (dB)
60	Pi2 BPSK	1	1	23.51	3792	3795	25.5	0.0
Channel								
Frequency (MHz)				648334	650000	651666	Tune-up limit (dB)	MPR (dB)
50	Pi2 BPSK	1	1	23.47	3794	3795.98	25.5	0.0
Channel								
Frequency (MHz)				648000	650000	652000	Tune-up limit (dB)	MPR (dB)
40	Pi2 BPSK	1	1	23.53	3792	3795.98	25.5	0.0
Channel								
Frequency (MHz)				647666	650000	652332	Tune-up limit (dB)	MPR (dB)
30	Pi2 BPSK	1	1	23.53	3792	3795.98	25.5	0.0
Channel								
Frequency (MHz)				647334	650000	652666	Tune-up limit (dB)	MPR (dB)
20	Pi2 BPSK	1	1	23.51	3792	3795.98	25.5	0.0
Channel								
Frequency (MHz)				647000	650000	653000	Tune-up limit (dB)	MPR (dB)
15	Pi2 BPSK	1	1	23.51	3792	3795.98	25.5	0.0
Channel								
Frequency (MHz)				646666	650000	653332	Tune-up limit (dB)	MPR (dB)
10	Pi2 BPSK	1	1	23.48	3792	3795.98	25.5	0.0



Part270 n78_Ant 6 HPUE									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel									
Frequency (MHz)									
100	Pi2 BPSK	1	1	19.48	19.48	19.48	19.48	20.5	0.0
100	Pi2 BPSK	1	137	19.48	19.48	19.48	19.48	20.5	0.0
100	Pi2 BPSK	1	271	19.41	19.41	19.41	19.41	20.5	0.0
100	Pi2 BPSK	135	0	19.43	19.43	19.43	19.43	20.5	0.0
100	Pi2 BPSK	135	69	19.52	19.52	19.52	19.52	20.5	0.0
100	Pi2 BPSK	135	138	19.38	19.38	19.38	19.38	20.5	0.0
100	Pi2 BPSK	270	0	19.34	19.34	19.34	19.34	20.5	0.0
100	QPSK	1	1	19.47	19.47	19.47	19.47	20.5	0.0
100	QPSK	1	137	19.48	19.48	19.48	19.48	20.5	0.0
100	QPSK	1	271	19.47	19.47	19.47	19.47	20.5	0.0
100	QPSK	135	0	19.48	19.48	19.48	19.48	20.5	0.0
100	QPSK	135	69	19.52	19.52	19.52	19.52	20.5	0.0
100	QPSK	135	138	19.38	19.38	19.38	19.38	20.5	0.0
100	QPSK	270	0	19.32	19.32	19.32	19.32	20.5	0.0
100	16QAM	1	1	19.43	19.43	19.43	19.43	20.5	0.0
100	16QAM	1	1	19.41	19.41	19.41	19.41	20.5	0.0
100	256QAM	1	1	19.45	19.45	19.45	19.45	20.5	0.0
Channel									
Frequency (MHz)									
50	Pi2 BPSK	1	1	649668	650000	650332	650664	MPR	
Channel									
Frequency (MHz)									
80	Pi2 BPSK	1	1	3749.01	3750	3759.99	3760	MPR	
Channel									
Frequency (MHz)									
70	Pi2 BPSK	1	1	19.40	19.43	19.47	19.47	20.5	0.0
Channel									
Frequency (MHz)									
60	Pi2 BPSK	1	1	19.43	19.47	19.47	19.47	20.5	0.0
Channel									
Frequency (MHz)									
50	Pi2 BPSK	1	1	19.49	19.51	19.41	19.41	20.5	0.0
Channel									
Frequency (MHz)									
40	Pi2 BPSK	1	1	19.44	19.48	19.38	19.38	20.5	0.0
Channel									
Frequency (MHz)									
30	Pi2 BPSK	1	1	19.44	19.51	19.46	19.46	20.5	0.0
Channel									
Frequency (MHz)									
20	Pi2 BPSK	1	1	19.48	19.52	19.43	19.43	20.5	0.0
Channel									
Frequency (MHz)									
15	Pi2 BPSK	1	1	19.50	19.48	19.48	19.48	20.5	0.0
Channel									
Frequency (MHz)									
10	Pi2 BPSK	1	1	19.42	19.50	19.43	19.43	20.5	0.0

Part27Q n78_Ant 7 HPUE									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel									
Frequency (MHz)									
100	Pi2 BPSK	1	1	18.11	18.11	18.11	18.11	19.5	0.0
100	Pi2 BPSK	1	137	18.11	18.11	18.11	18.11	19.5	0.0
100	Pi2 BPSK	1	271	17.90	17.90	17.90	17.90	19.5	0.0
100	Pi2 BPSK	135	0	18.03	18.03	18.03	18.03	19.5	0.0
100	Pi2 BPSK	135	69	18.05	18.05	18.05	18.05	19.5	0.0
100	Pi2 BPSK	135	138	17.99	17.99	17.99	17.99	19.5	0.0
100	Pi2 BPSK	270	0	18.02	18.02	18.02	18.02	19.5	0.0
100	QPSK	1	1	18.06	18.06	18.06	18.06	19.5	0.0
100	QPSK	1	137	18.05	18.05	18.05	18.05	19.5	0.0
100	QPSK	1	271	17.84	17.84	17.84	17.84	19.5	0.0
100	QPSK	135	0	17.99	17.99	17.99	17.99	19.5	0.0
100	QPSK	135	69	18.07	18.07	18.07	18.07	19.5	0.0
100	QPSK	135	138	17.86	17.86	17.86	17.86	19.5	0.0
100	QPSK	270	0	18.01	18.01	18.01	18.01	19.5	0.0
100	16QAM	1	1	18.02	18.02	18.02	18.02	19.5	0.0
100	16QAM	1	1	17.96	17.96	17.96	17.96	19.5	0.0
100	256QAM	1	1	18.07	18.07	18.07	18.07	19.5	0.0
Channel									
Frequency (MHz)									
90	Pi2 BPSK	1	1	3488	3500.01	3504.99	3505	MPR	
Channel									
Frequency (MHz)									
80	Pi2 BPSK	1	1	3490.02	3500.01	3510	3510	MPR	
Channel									
Frequency (MHz)									
70	Pi2 BPSK	1	1	18.02	18.06	18.01	18.01	19.5	0.0
Channel									
Frequency (MHz)									
60	Pi2 BPSK	1	1	18.00	18.00	17.97	17.97	19.5	0.0
Channel									
Frequency (MHz)									
50	Pi2 BPSK	1	1	17.97	18.03	18.04	18.04	19.5	0.0
Channel									
Frequency (MHz)									
40	Pi2 BPSK	1	1	18.03	18.00	17.99	17.99	19.5	0.0
Channel									
Frequency (MHz)									
30	Pi2 BPSK	1	1	18.03	18.00	17.99	17.99	19.5	0.0
Channel									
Frequency (MHz)									
20	Pi2 BPSK	1	1	18.02	18.02	18.00	18.00	19.5	0.0
Channel									
Frequency (MHz)									
15	Pi2 BPSK	1	1	17.99	18.06	18.01	18.01	19.5	0.0
Channel									
Frequency (MHz)									
10	Pi2 BPSK	1	1	18.02	18.08	17.96	17.96	19.5	0.0

Part270 n78_Ant 7 HPUE									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel									
Frequency (MHz)									
100	Pi2 BPSK	1	1	17.82	17.82	17.82	17.82	19.5	0.0
100	Pi2 BPSK	1	137	17.70	17.70	17.70	17.70	19.5	0.0
100	Pi2 BPSK	1	271	17.45	17.45	17.45	17.45	19.5	0.0
100	Pi2 BPSK	135	0	17.69	17.69	17.69	17.69	19.5	0.0
100	Pi2 BPSK	135	69	17.73	17.73	17.73	17.73	19.5	0.0
100	Pi2 BPSK	135	138	17.56	17.56	17.56	17.56	19.5	0.0
100	Pi2 BPSK	270	0	17.67	17.67	17.67	17.67	19.5	0.0
100	QPSK	1	1	17.54	17.54	17.54	17.54	19.5	0.0
100	QPSK	1	137	17.69	17.69	17.69	17.69	19.5	0.0
100	QPSK	1	271	17.64	17.64	17.64	17.64	19.5	0.0
100	QPSK	135	0	17.64	17.64	17.64	17.64	19.5	0.0
100	QPSK	135	69	17.64	17.64	17.64	17.64	19.5	0.0
100	QPSK	135	138	17.41	17.41	17.41	17.41	19.5	0.0
100	QPSK	270	0	17.81	17.81	17.81	17.81	19.5	0.0
100	16QAM	1	1	17.75	17.75	17.75	17.75	19.5	0.0
100	16QAM	1	1	17.72	17.72	17.72	17.72	19.5	0.0
100	256QAM	1	1	17.75	17.75	17.75	17.75	19.5	0.0
Channel									
Frequency (MHz)									
90	Pi2 BPSK	1	1	3749.02	3750	3754.98	3755	MPR	
Channel									
Frequency (MHz)									
80	Pi2 BPSK	1	1	3749.01	3750	3759.98	3760	MPR	
Channel									
Frequency (MHz)									
70	Pi2 BPSK	1	1	17.69	17.77	17.74	17.74	19.5	0.0
Channel									
Frequency (MHz)									
60	Pi2 BPSK	1	1	17.70	17.72	17.74	17.74	19.5	0.0
Channel									
Frequency (MHz)									
50	Pi2 BPSK	1	1	17.72	17.77	17.68	17.68	19.5	0.0
Channel									
Frequency (MHz)									
40	Pi2 BPSK	1	1	17.71	17.70	17.70	17.70	19.5	0.0
Channel									
Frequency (MHz)									
30	Pi2 BPSK	1	1	17.70	17.72	17.71	17.71	19.5	0.0
Channel									
Frequency (MHz)									
20	Pi2 BPSK	1	1	17.63	17.75	17.66	17.66	19.5	0.0
Channel									
Frequency (MHz)									
15	Pi2 BPSK	1	1	17.68	17.73	17.71	17.71	19.5	0.0
Channel									
Frequency (MHz)									
10	Pi2 BPSK	1	1	17.69	17.72	17.70	17.70	19.5	0.0



Reduced DS16 Power for EN-DC NR Main PA

n5_Ant 0									
Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				824	836.5	849			
20	PV2 BPSK	1	1	24.43	24.55	24.33			
20	PV2 BPSK	1	53	24.41	24.42	24.30	25.5	0.0	
20	PV2 BPSK	1	104	24.34	24.31	24.31			
20	PV2 BPSK	50	0	24.00	24.32	24.06	25.0	0.5	
20	PV2 BPSK	50	28	24.35	24.60	24.28	25.5	0.0	
20	PV2 BPSK	50	56	23.09	23.05	24.05			
20	PV2 BPSK	100	0	24.17	24.48	24.23	25.0	0.5	
20	QPSK	1	1	24.27	24.33	24.33			
20	QPSK	1	53	24.30	24.37	24.30	25.5	0.0	
20	QPSK	1	104	24.30	24.41	24.27			
20	QPSK	50	0	23.25	23.32	23.12	24.5	1.0	
20	QPSK	50	28	24.15	24.32	24.08	25.5	0.0	
20	QPSK	50	56	23.77	23.91	23.76	24.5	1.0	
20	QPSK	100	0	23.36	23.58	23.46			
20	16QAM	1	1	22.90	22.94	22.87	24.5	1.0	
20	16QAM	1	1	21.00	21.02	21.06	23.0	2.5	
20	256QAM	1	1	19.81	19.89	19.80	21.0	4.5	
Channel									
Frequency (MHz)				16630	16730	16830	Turn-up limit (dBm)	MPR (dB)	
Channel				16630	16730	16830	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	839.5	844			
15	PV2 BPSK	1	1	24.38	24.55	24.26	25.5	0.0	
Channel									
Frequency (MHz)				16530	16730	16930	Turn-up limit (dBm)	MPR (dB)	
Channel				16530	16730	16930	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	PV2 BPSK	1	1	24.40	24.55	24.22	25.5	0.0	

n5_Ant 1									
Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				824	836.5	849			
20	PV2 BPSK	1	1	22.59	22.72	22.62			
20	PV2 BPSK	1	53	22.53	22.62	22.61	23.5	0.0	
20	PV2 BPSK	1	104	22.50	22.58	22.55			
20	PV2 BPSK	50	0	22.63	22.62	22.56	23.5	0.0	
20	PV2 BPSK	50	28	22.56	22.68	22.58	23.5	0.0	
20	PV2 BPSK	50	56	22.56	22.58	22.55	23.5	0.0	
20	PV2 BPSK	100	0	22.64	22.66	22.58			
20	QPSK	1	1	22.01	22.04	22.04			
20	QPSK	1	53	22.53	22.60	22.51	23.5	0.0	
20	QPSK	1	104	22.49	22.59	22.52			
20	QPSK	50	0	22.62	22.67	22.60	23.5	0.0	
20	QPSK	50	28	22.55	22.62	22.57	23.5	0.0	
20	QPSK	50	56	22.47	22.55	22.47	23.5	0.0	
20	QPSK	100	0	22.59	22.66	22.61			
20	16QAM	1	1	22.84	22.80	22.81	23.5	0.0	
20	16QAM	1	1	21.05	21.70	21.61	23.0	0.5	
20	256QAM	1	1	19.68	19.77	19.72	21.0	2.5	
Channel									
Frequency (MHz)				16630	16730	16830	Turn-up limit (dBm)	MPR (dB)	
Channel				16630	16730	16830	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				818.5	828.5	834.2			
15	PV2 BPSK	1	1	22.68	22.60	22.63	23.5	0.0	
Channel									
Frequency (MHz)				829	839.5	844			
10	PV2 BPSK	1	1	22.57	22.69	22.63	23.5	0.0	
Channel									
Frequency (MHz)				826.5	836.5	846.5			
5	PV2 BPSK	1	1	22.66	22.63	22.67	23.5	0.0	

n7_Ant 2									
Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				90400	90700	91000			
40	PV2 BPSK	1	1	20.81	20.88	20.78			
40	PV2 BPSK	1	108	20.69	20.75	20.72	21.5	0.0	
40	PV2 BPSK	1	214	20.77	20.73	20.74			
40	PV2 BPSK	108	0	20.55	20.59	20.58	21.5	0.0	
40	PV2 BPSK	108	54	20.63	20.80	20.54	21.5	0.0	
40	PV2 BPSK	108	108	20.67	20.55	20.56	21.5	0.0	
40	PV2 BPSK	216	0	20.67	20.66	20.50			
40	QPSK	1	1	20.66	20.77	20.63			
40	QPSK	1	108	20.56	20.64	20.67	21.5	0.0	
40	QPSK	1	214	20.56	20.50	20.63			
40	QPSK	108	0	20.59	20.73	20.57	21.5	0.0	
40	QPSK	108	54	20.54	20.71	20.57	21.5	0.0	
40	QPSK	108	108	20.62	20.54	20.56	21.5	0.0	
40	QPSK	216	0	20.59	20.63	20.62			
40	16QAM	1	1	20.62	20.64	20.59	21.5	0.0	
40	16QAM	1	1	20.71	20.87	20.76	21.5	0.0	
40	256QAM	1	1	20.20	20.26	20.21	21.0	0.5	
Channel									
Frequency (MHz)				90300	90700	91100	Turn-up limit (dBm)	MPR (dB)	
Channel				90300	90700	91100	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2072	2085	2097.5			
30	PV2 BPSK	1	1	20.78	20.83	20.70	21.5	0.0	
Channel									
Frequency (MHz)				90250	90700	91150	Turn-up limit (dBm)	MPR (dB)	
Channel				90250	90700	91150	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2072.5	2085	2097.5			
25	PV2 BPSK	1	1	20.72	20.89	20.73	21.5	0.0	
Channel									
Frequency (MHz)				90200	90700	91200	Turn-up limit (dBm)	MPR (dB)	
Channel				90200	90700	91200	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2070	2085	2096			
20	PV2 BPSK	1	1	20.72	20.85	20.74	21.5	0.0	
Channel									
Frequency (MHz)				90150	90700	91250	Turn-up limit (dBm)	MPR (dB)	
Channel				90150	90700	91250	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2067.5	2085	2092.5			
15	PV2 BPSK	1	1	20.78	20.82	20.68	21.5	0.0	
Channel									
Frequency (MHz)				90100	90700	91300	Turn-up limit (dBm)	MPR (dB)	
Channel				90100	90700	91300	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2065	2085	2095			
10	PV2 BPSK	1	1	20.72	20.81	20.76	21.5	0.0	
Channel									
Frequency (MHz)				90050	90700	91350	Turn-up limit (dBm)	MPR (dB)	
Channel				90050	90700	91350	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2062.5	2085	2093.5			
5	PV2 BPSK	1	1	20.68	20.77	20.66	21.5	0.0	



n7_Ant 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										
				2500	2535	2550				
40	PI2 BPSK	1	1	20.29	20.36	20.26				
40	PI2 BPSK	1	108	20.31	20.29	20.17	20.7	0.0		
40	PI2 BPSK	1	214	20.23	20.23	20.19				
40	PI2 BPSK	108	0	20.16	20.17	20.09	20.7	0.0		
40	PI2 BPSK	108	54	20.10	20.22	20.16	20.7	0.0		
40	PI2 BPSK	108	108	20.20	20.14	20.05	20.7	0.0		
40	PI2 BPSK	216	0	20.14	20.17	20.16				
40	QPSK	1	1	20.04	20.31	20.25				
40	QPSK	1	108	20.13	20.21	20.21	20.7	0.0		
40	QPSK	1	214	20.07	20.12	20.08				
40	QPSK	108	0	20.13	20.19	20.12	20.7	0.0		
40	QPSK	108	54	20.16	20.16	20.10	20.7	0.0		
40	QPSK	108	108	20.07	20.11	20.10	20.7	0.0		
40	QPSK	216	0	20.18	20.18	20.08				
40	RCQAM	1	1	20.20	20.25	20.19	20.7	0.0		
40	RCQAM	1	1	20.14	20.22	20.15	20.7	0.0		
40	256QAM	1	1	20.17	20.21	20.15	20.7	0.0		
Channel										
				503000	507000	511000	limit (dBm)	MPR (dB)		
30	PI2 BPSK	1	1	20.17	20.25	20.19	20.7	0.0		
Channel										
				502500	507000	511500	limit (dBm)	MPR (dB)		
20	PI2 BPSK	1	1	20.17	20.33	20.18	20.7	0.0		
Channel										
				502000	507000	512000	limit (dBm)	MPR (dB)		
20	PI2 BPSK	1	1	20.23	20.25	20.20	20.7	0.0		
Channel										
				501500	507000	512500	limit (dBm)	MPR (dB)		
15	PI2 BPSK	1	1	20.25	20.34	20.19	20.7	0.0		
Channel										
				501000	507000	513000	limit (dBm)	MPR (dB)		
10	PI2 BPSK	1	1	20.25	20.30	20.22	20.7	0.0		
Channel										
				500500	507000	513500	limit (dBm)	MPR (dB)		
5	PI2 BPSK	1	1	20.20	20.25	20.18	20.7	0.0		

n66_Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
				3200	3245	3260				
40	PI2 BPSK	1	1	19.79	19.97	19.87				
40	PI2 BPSK	1	108	19.74	19.95	19.77	20.5	0.0		
40	PI2 BPSK	1	214	19.95	19.91	19.88				
40	PI2 BPSK	108	0	19.74	19.84	19.82	20.5	0.0		
40	PI2 BPSK	108	54	19.76	19.92	19.76	20.5	0.0		
40	PI2 BPSK	108	108	19.78	19.74	19.71	20.5	0.0		
40	PI2 BPSK	216	0	19.74	19.84	19.65				
40	QPSK	1	1	19.92	19.90	19.87				
40	QPSK	1	108	19.92	19.93	19.84	20.5	0.0		
40	QPSK	1	214	19.87	19.92	19.94				
40	QPSK	108	0	19.84	19.73	19.74	20.5	0.0		
40	QPSK	108	54	19.86	19.82	19.71	20.5	0.0		
40	QPSK	108	108	19.87	19.76	19.91	20.5	0.0		
40	QPSK	216	0	19.73	19.77	19.70				
40	RCQAM	1	1	19.64	19.71	19.63	20.5	0.0		
40	RCQAM	1	1	19.87	19.91	19.82	20.5	0.0		
40	256QAM	1	1	19.39	19.41	19.37	20.0	0.5		
Channel										
				345000	349000	353000	limit (dBm)	MPR (dB)		
30	PI2 BPSK	1	1	19.70	19.87	19.63	20.5	0.0		
Channel										
				344000	348000	354000	limit (dBm)	MPR (dB)		
20	PI2 BPSK	1	1	19.68	19.89	19.70	20.5	0.0		
Channel										
				343500	348000	354500	limit (dBm)	MPR (dB)		
15	PI2 BPSK	1	1	19.72	19.85	19.62	20.5	0.0		
Channel										
				343000	348000	355000	limit (dBm)	MPR (dB)		
10	PI2 BPSK	1	1	19.88	19.93	19.80	20.5	0.0		
Channel										
				342500	348000	355500	limit (dBm)	MPR (dB)		
5	PI2 BPSK	1	1	19.76	19.86	19.74	20.5	0.0		

n66_Ant 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										
				1720	1745	1760				
40	PI2 BPSK	1	1	19.00	19.10	19.07				
40	PI2 BPSK	1	108	19.06	19.07	19.04	20.5	0.0		
40	PI2 BPSK	1	214	19.00	19.07	19.08				
40	PI2 BPSK	108	0	18.99	19.09	19.09	20.5	0.0		
40	PI2 BPSK	108	54	18.94	19.03	19.00	20.5	0.0		
40	PI2 BPSK	108	108	18.99	19.01	18.97	20.5	0.0		
40	PI2 BPSK	216	0	18.86	18.89	18.79				
40	QPSK	1	1	18.93	18.96	18.92				
40	QPSK	1	108	18.85	18.93	18.92	20.5	0.0		
40	QPSK	1	214	19.00	19.02	18.96				
40	QPSK	108	0	18.98	18.95	18.91	20.5	0.0		
40	QPSK	108	54	18.97	19.01	18.94	20.5	0.0		
40	QPSK	108	108	18.96	19.05	19.04	20.5	0.0		
40	QPSK	216	0	18.99	19.03	18.98				
40	RCQAM	1	1	18.96	18.97	18.94	20.5	0.0		
40	RCQAM	1	1	18.84	18.84	18.87	20.5	0.0		
40	256QAM	1	1	18.41	18.48	18.47	20.0	0.5		
Channel										
				345000	349000	353000	limit (dBm)	MPR (dB)		
30	PI2 BPSK	1	1	18.90	19.06	18.95	20.5	0.0		
Channel										
				344000	348000	354000	limit (dBm)	MPR (dB)		
20	PI2 BPSK	1	1	18.99	19.07	19.01	20.5	0.0		
Channel										
				343500	348000	354500	limit (dBm)	MPR (dB)		
15	PI2 BPSK	1	1	18.82	18.90	18.97	20.5	0.0		
Channel										
				343000	348000	355000	limit (dBm)	MPR (dB)		
10	PI2 BPSK	1	1	18.98	19.02	19.01	20.5	0.0		
Channel										
				342500	348000	355500	limit (dBm)	MPR (dB)		
5	PI2 BPSK	1	1	18.93	18.99	18.97	20.5	0.0		



n38_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	Pi2 BPSK	1	1	21.09	21.25	21.18			
40	Pi2 BPSK	1	53	21.09	21.17	21.04	21.5	0.0	
40	Pi2 BPSK	1	104	21.13	21.16	21.20			
40	Pi2 BPSK	50	0	21.06	21.07	21.10	21.5	0.0	
40	Pi2 BPSK	50	26	21.06	21.21	21.09	21.5	0.0	
40	Pi2 BPSK	50	56	21.08	21.08	21.00	21.5	0.0	
40	Pi2 BPSK	100	0	21.16	21.17	21.10			
40	QPSK	1	1	21.16	21.16	21.16			
40	QPSK	1	53	21.20	21.11	21.08	21.5	0.0	
40	QPSK	1	104	21.17	21.11	21.08			
40	QPSK	50	0	21.05	21.07	21.07			
40	QPSK	50	26	21.08	21.01	20.92	21.5	0.0	
40	QPSK	50	56	21.08	21.11	21.04			
40	QPSK	100	0	21.07	21.10	21.11	21.5	0.0	
40	16QAM	1	1	21.11	21.13	21.18	21.5	0.0	
40	16QAM	1	1	21.22	21.22	21.20	20.5	0.0	
40	256QAM	1	1	20.40	20.49	20.34	18.5	1.0	
Channel									
Frequency (MHz)									
30	Pi2 BPSK	1	1	21.04	21.20	21.10	21.5	0.0	
Channel									
Frequency (MHz)									
20	Pi2 BPSK	1	1	21.00	21.18	21.15	21.5	0.0	
Channel									
Frequency (MHz)									
15	Pi2 BPSK	1	1	21.00	21.18	21.08	21.5	0.0	
Channel									
Frequency (MHz)									
10	Pi2 BPSK	1	1	21.07	21.22	21.12	21.5	0.0	

n38_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	Pi2 BPSK	1	1	20.10	20.18	20.13			
40	Pi2 BPSK	1	63	20.10	20.11	20.07	21.0	0.0	
40	Pi2 BPSK	1	104	20.08	20.10	20.04			
40	Pi2 BPSK	50	0	20.01	20.04	19.97	21.0	0.0	
40	Pi2 BPSK	50	26	20.08	20.10	20.03	21.0	0.0	
40	Pi2 BPSK	50	56	19.99	20.04	20.02	21.0	0.0	
40	Pi2 BPSK	100	0	19.95	20.01	20.01			
40	QPSK	1	1	20.14	20.16	20.11			
40	QPSK	1	53	19.99	20.06	19.99	21.0	0.0	
40	QPSK	1	104	20.05	20.08	20.05			
40	QPSK	50	0	20.02	20.02	19.96			
40	QPSK	50	26	20.00	20.00	19.97	21.0	0.0	
40	QPSK	50	56	19.99	20.03	19.97			
40	QPSK	100	0	20.01	20.08	20.04	21.0	0.0	
40	16QAM	1	1	20.05	20.12	20.04	21.0	0.0	
40	16QAM	1	1	19.96	20.06	20.00	20.0	0.0	
40	256QAM	1	1	20.04	20.14	20.11	21.0	0.0	
Channel									
Frequency (MHz)									
30	Pi2 BPSK	1	1	20.01	20.05	20.00	21.0	0.0	
Channel									
Frequency (MHz)									
20	Pi2 BPSK	1	1	20.08	20.07	20.03	21.0	0.0	
Channel									
Frequency (MHz)									
15	Pi2 BPSK	1	1	20.01	20.09	20.06	21.0	0.0	
Channel									
Frequency (MHz)									
10	Pi2 BPSK	1	1	20.00	20.08	20.09	21.0	0.0	

n41_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pi2 BPSK	1	1	20.14	20.27	20.15			
100	Pi2 BPSK	1	137	20.13	20.18	20.06	21.0	0.0	
100	Pi2 BPSK	1	271	20.16	20.19	20.15			
100	Pi2 BPSK	135	0	19.96	19.96	19.94	21.0	0.0	
100	Pi2 BPSK	135	66	19.97	20.07	19.98	21.0	0.0	
100	Pi2 BPSK	135	138	19.95	19.94	19.97	21.0	0.0	
100	Pi2 BPSK	270	0	19.95	19.98	19.91			
100	QPSK	1	1	20.02	20.08	20.03			
100	QPSK	1	137	19.99	20.12	19.94	21.0	0.0	
100	QPSK	1	271	20.05	20.05	19.95			
100	QPSK	135	0	19.94	19.97	19.88			
100	QPSK	135	66	19.95	20.00	20.05	21.0	0.0	
100	QPSK	135	138	20.02	19.98	20.00			
100	QPSK	270	0	19.86	19.92	19.94	21.0	0.0	
100	16QAM	1	1	20.01	20.17	20.08	21.0	0.0	
100	16QAM	1	1	20.14	20.15	20.18	21.0	0.0	
100	256QAM	1	1	20.21	20.25	20.20	20.5	0.5	
Channel									
Frequency (MHz)									
80	Pi2 BPSK	1	1	20.07	20.18	20.07	21.0	0.0	
Channel									
Frequency (MHz)									
70	Pi2 BPSK	1	1	20.04	20.22	20.11	21.0	0.0	
Channel									
Frequency (MHz)									
60	Pi2 BPSK	1	1	20.03	20.17	20.02	21.0	0.0	
Channel									
Frequency (MHz)									
50	Pi2 BPSK	1	1	20.10	20.20	20.04	21.0	0.0	
Channel									
Frequency (MHz)									
40	Pi2 BPSK	1	1	20.10	20.24	20.04	21.0	0.0	
Channel									
Frequency (MHz)									
30	Pi2 BPSK	1	1	20.08	20.14	20.03	21.0	0.0	
Channel									
Frequency (MHz)									
20	Pi2 BPSK	1	1	20.03	20.22	20.06	21.0	0.0	



Part27Q n78_Ant 5 HPUE								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power MPR (dB)	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	16.64	16.64			
100	PI2 BPSK	1	137	16.82	16.82		18.0	0.0
100	PI2 BPSK	1	271	16.89	16.89			
100	PI2 BPSK	135	0	16.44	16.44		18.0	0.0
100	PI2 BPSK	135	69	16.54	16.54		18.0	0.0
100	PI2 BPSK	135	138	16.48	16.48		18.0	0.0
100	PI2 BPSK	270	0	16.44	16.44			
100	QPSK	1	1	16.30	16.30			
100	QPSK	1	137	16.54	16.54		18.0	0.0
100	QPSK	1	271	16.56	16.56			
100	QPSK	135	0	16.21	16.21			
100	QPSK	135	69	16.46	16.46		18.0	0.0
100	QPSK	135	138	16.47	16.47			
100	QPSK	270	0	16.44	16.44			
100	16QAM	1	1	16.82	16.82		18.0	0.0
100	64QAM	1	1	16.44	16.44		18.0	0.0
100	256QAM	1	1	16.25	16.25			
Channel								
Frequency (MHz)								
50	PI2 BPSK	1	1	63300	63334	63368	Limit	MPR
Channel								
Frequency (MHz)								
80	PI2 BPSK	1	1	3490.02	3500.01	3510	Limit	MPR
Channel								
Frequency (MHz)								
70	PI2 BPSK	1	1	16.53	16.82	16.40	Limit	MPR
Channel								
Frequency (MHz)								
60	PI2 BPSK	1	1	16.54	16.59	16.53	Limit	MPR
Channel								
Frequency (MHz)								
50	PI2 BPSK	1	1	16.82	16.54	16.46	Limit	MPR
Channel								
Frequency (MHz)								
40	PI2 BPSK	1	1	16.54	16.60	16.53	Limit	MPR
Channel								
Frequency (MHz)								
30	PI2 BPSK	1	1	16.54	16.60	16.49	Limit	MPR
Channel								
Frequency (MHz)								
20	PI2 BPSK	1	1	16.54	16.59	16.49	Limit	MPR
Channel								
Frequency (MHz)								
15	PI2 BPSK	1	1	16.51	16.62	16.49	Limit	MPR
Channel								
Frequency (MHz)								
10	PI2 BPSK	1	1	16.52	16.51	16.54	Limit	MPR

Part27O n78_Ant 5 HPUE								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power MPR (dB)	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	16.55	16.55			
100	PI2 BPSK	1	137	16.81	16.81		18.0	0.0
100	PI2 BPSK	1	271	16.87	16.87			
100	PI2 BPSK	135	0	16.46	16.46		18.0	0.0
100	PI2 BPSK	135	69	16.63	16.63		18.0	0.0
100	PI2 BPSK	135	138	16.58	16.58		18.0	0.0
100	PI2 BPSK	270	0	16.49	16.49			
100	QPSK	1	1	16.46	16.46			
100	QPSK	1	137	16.86	16.86		18.0	0.0
100	QPSK	1	271	16.83	16.83			
100	QPSK	135	0	16.46	16.46			
100	QPSK	135	69	16.56	16.56		18.0	0.0
100	QPSK	135	138	16.50	16.50			
100	QPSK	270	0	16.44	16.44			
100	16QAM	1	1	16.63	16.63		18.0	0.0
100	64QAM	1	1	16.56	16.56		18.0	0.0
100	256QAM	1	1	16.42	16.42			
Channel								
Frequency (MHz)								
90	PI2 BPSK	1	1	64968	65000	65032	Limit	MPR
Channel								
Frequency (MHz)								
80	PI2 BPSK	1	1	3740.02	3750	3760	Limit	MPR
Channel								
Frequency (MHz)								
70	PI2 BPSK	1	1	16.82	16.82	16.50	Limit	MPR
Channel								
Frequency (MHz)								
60	PI2 BPSK	1	1	16.50	16.61	16.56	Limit	MPR
Channel								
Frequency (MHz)								
50	PI2 BPSK	1	1	16.82	16.57	16.48	Limit	MPR
Channel								
Frequency (MHz)								
40	PI2 BPSK	1	1	16.55	16.56	16.49	Limit	MPR
Channel								
Frequency (MHz)								
30	PI2 BPSK	1	1	16.55	16.52	16.51	Limit	MPR
Channel								
Frequency (MHz)								
20	PI2 BPSK	1	1	16.55	16.52	16.51	Limit	MPR
Channel								
Frequency (MHz)								
15	PI2 BPSK	1	1	16.56	16.60	16.49	Limit	MPR
Channel								
Frequency (MHz)								
10	PI2 BPSK	1	1	16.50	16.56	16.49	Limit	MPR

Part27Q n78_Ant 6 HPUE								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power MPR (dB)	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	15.54	15.54			
100	PI2 BPSK	1	137	15.85	15.85		16.5	0.0
100	PI2 BPSK	1	271	15.36	15.36			
100	PI2 BPSK	135	0	15.38	15.38		16.5	0.0
100	PI2 BPSK	135	69	15.43	15.43		16.5	0.0
100	PI2 BPSK	135	138	15.29	15.29		16.5	0.0
100	PI2 BPSK	270	0	15.39	15.39			
100	QPSK	1	1	15.33	15.33			
100	QPSK	1	137	15.44	15.44		16.5	0.0
100	QPSK	1	271	15.38	15.38			
100	QPSK	135	0	15.37	15.37			
100	QPSK	135	69	15.47	15.47		16.5	0.0
100	QPSK	135	138	15.43	15.43		16.5	0.0
100	QPSK	270	0	15.41	15.41			
100	16QAM	1	1	15.41	15.41		16.5	0.0
100	64QAM	1	1	15.40	15.40		16.5	0.0
100	256QAM	1	1	15.31	15.31			
Channel								
Frequency (MHz)								
90	PI2 BPSK	1	1	63268	63334	63400	Limit	MPR
Channel								
Frequency (MHz)								
80	PI2 BPSK	1	1	3490.02	3500.01	3510	Limit	MPR
Channel								
Frequency (MHz)								
70	PI2 BPSK	1	1	15.38	15.40	15.37	Limit	MPR
Channel								
Frequency (MHz)								
60	PI2 BPSK	1	1	15.39	15.43	15.42	Limit	MPR
Channel								
Frequency (MHz)								
50	PI2 BPSK	1	1	15.37	15.42	15.44	Limit	MPR
Channel								
Frequency (MHz)								
40	PI2 BPSK	1	1	15.40	15.50	15.34	Limit	MPR
Channel								
Frequency (MHz)								
30	PI2 BPSK	1	1	15.40	15.48	15.38	Limit	MPR
Channel								
Frequency (MHz)								
20	PI2 BPSK	1	1	15.45	15.41	15.44	Limit	MPR
Channel								
Frequency (MHz)								
15	PI2 BPSK	1	1	15.37	15.50	15.41	Limit	MPR
Channel								
Frequency (MHz)								
10	PI2 BPSK	1	1	15.40	15.47	15.35	Limit	MPR



Part270 n78_Ant 6 HPUE									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mises Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	15.49	15.50				
100	PI2 BPSK	1	137	15.54			16.5	0.0	
100	PI2 BPSK	1	271	15.46					
100	PI2 BPSK	135	0	15.49			16.5	0.0	
100	PI2 BPSK	135	69	15.50			16.5	0.0	
100	PI2 BPSK	135	138	15.43			16.5	0.0	
100	PI2 BPSK	270	0	15.45					
100	QPSK	1	1	15.47					
100	QPSK	1	137	15.39			16.5	0.0	
100	QPSK	1	271	15.32					
100	QPSK	135	0	15.39					
100	QPSK	135	69	15.53			16.5	0.0	
100	QPSK	135	138	15.53					
100	QPSK	270	0	15.52					
100	16QAM	1	1	15.48			16.5	0.0	
100	16QAM	1	1	15.54			16.5	0.0	
100	256QAM	1	1	15.49			16.5	0.0	
Channel									
Frequency (MHz)									
50	PI2 BPSK	1	1	649668	650000	650332	16.5	MPR	
Channel									
Frequency (MHz)									
80	PI2 BPSK	1	1	3749.01	3750	3750.99	16.5	MPR	
Channel									
Frequency (MHz)									
70	PI2 BPSK	1	1	15.39	15.51	15.45	16.5	0.0	
Channel									
Frequency (MHz)									
60	PI2 BPSK	1	1	15.40	15.44	15.37	16.5	0.0	
Channel									
Frequency (MHz)									
50	PI2 BPSK	1	1	15.47	15.44	15.45	16.5	0.0	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	15.37	15.45	15.41	16.5	0.0	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	15.39	15.50	15.45	16.5	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	15.47	15.44	15.39	16.5	0.0	
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1	15.38	15.42	15.45	16.5	0.0	
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1	15.43	15.42	15.40	16.5	0.0	

Part27Q n78_Ant 7 HPUE									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mises Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	13.53					
100	PI2 BPSK	1	137	13.61			15.0	0.0	
100	PI2 BPSK	1	271	13.46					
100	PI2 BPSK	135	0	13.56			15.0	0.0	
100	PI2 BPSK	135	69	13.59			15.0	0.0	
100	PI2 BPSK	135	138	13.49			15.0	0.0	
100	PI2 BPSK	270	0	13.54					
100	QPSK	1	1	13.56					
100	QPSK	1	137	13.69			15.0	0.0	
100	QPSK	1	271	13.43					
100	QPSK	135	0	13.51					
100	QPSK	135	69	13.55			15.0	0.0	
100	QPSK	135	138	13.40			15.0	0.0	
100	QPSK	270	0	13.54					
100	16QAM	1	1	13.55			15.0	0.0	
100	16QAM	1	1	13.43			15.0	0.0	
100	256QAM	1	1	13.59			15.0	0.0	
Channel									
Frequency (MHz)									
90	PI2 BPSK	1	1	633000	633334	633666	16.5	MPR	
Channel									
Frequency (MHz)									
80	PI2 BPSK	1	1	3490.02	3500.01	3510	16.5	MPR	
Channel									
Frequency (MHz)									
70	PI2 BPSK	1	1	13.46	13.57	13.51	15.0	0.0	
Channel									
Frequency (MHz)									
60	PI2 BPSK	1	1	13.47	13.56	13.45	15.0	0.0	
Channel									
Frequency (MHz)									
50	PI2 BPSK	1	1	13.48	13.52	13.47	15.0	0.0	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	13.47	13.51	13.53	15.0	0.0	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	13.46	13.57	13.44	15.0	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	13.51	13.54	13.44	15.0	0.0	
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1	13.55	13.50	13.52	15.0	0.0	
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1	13.49	13.56	13.45	15.0	0.0	

Part270 n78_Ant 7 HPUE									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mises Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	13.24					
100	PI2 BPSK	1	137	13.23			15.0	0.0	
100	PI2 BPSK	1	271	13.06					
100	PI2 BPSK	135	0	13.24			15.0	0.0	
100	PI2 BPSK	135	69	13.25			15.0	0.0	
100	PI2 BPSK	135	138	13.08			15.0	0.0	
100	PI2 BPSK	270	0	13.18					
100	QPSK	1	1	13.16					
100	QPSK	1	137	13.23			15.0	0.0	
100	QPSK	1	271	13.14					
100	QPSK	135	0	13.14					
100	QPSK	135	69	13.25			15.0	0.0	
100	QPSK	135	138	13.01			15.0	0.0	
100	QPSK	270	0	13.30			15.0	0.0	
100	16QAM	1	1	13.25			15.0	0.0	
100	16QAM	1	1	13.27			15.0	0.0	
100	256QAM	1	1	13.33			15.0	0.0	
Channel									
Frequency (MHz)									
90	PI2 BPSK	1	1	649668	650000	650332	16.5	MPR	
Channel									
Frequency (MHz)									
80	PI2 BPSK	1	1	3749.01	3750	3750.99	16.5	MPR	
Channel									
Frequency (MHz)									
70	PI2 BPSK	1	1	13.23	13.24	13.19	15.0	0.0	
Channel									
Frequency (MHz)									
60	PI2 BPSK	1	1	13.22	13.22	13.16	15.0	0.0	
Channel									
Frequency (MHz)									
50	PI2 BPSK	1	1	13.22	13.25	13.16	15.0	0.0	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	13.25	13.25	13.17	15.0	0.0	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	13.19	13.22	13.14	15.0	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	13.18	13.23	13.23	15.0	0.0	
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1	13.21	13.25	13.14	15.0	0.0	
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1	13.25	13.22	13.14	15.0	0.0	

Bluetooth Full Power

BT BR/BDR ANT 16

Mode	Channel	Frequency (MHz)	1Mbps	Tune-up Limit	2Mbps	Tune-up Limit	3Mbps	Tune-up Limit
BR / EDR	CH 00	2402	15.36	17.00	13.18	15.00	13.30	15.00
	CH 39	2441	16.36	18.00	13.91	15.50	13.82	15.50
	CH 78	2480	14.15	16.00	11.53	13.50	12.27	13.50

BT BR/BDR ANT 18

Mode	Channel	Frequency (MHz)	1Mbps	Tune-up Limit	2Mbps	Tune-up Limit	3Mbps	Tune-up Limit
BR / EDR	CH 00	2402	15.76	17.50	13.48	15.00	13.45	15.00
	CH 39	2441	16.30	18.00	13.54	15.50	13.53	15.50
	CH 78	2480	15.21	17.00	12.71	14.00	12.72	14.00

BLE ANT 16

Mode	Channel	Frequency (MHz)	Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	7.39	7.32
	CH 19	2440	7.41	7.42
	CH 39	2480	6.45	6.29
Tune-up Limit			9	9

BLE ANT 18

Mode	Channel	Frequency (MHz)	Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	7.83	7.83
	CH 19	2440	8.63	8.45
	CH 39	2480	7.45	7.52
Tune-up Limit			10	10



Bluetooth Simultaneous Power_Head

BT BR/BDR ANT 16

Mode	Channel	Frequency (MHz)	1Mbps	Tune-up Limit	2Mbps	Tune-up Limit	3Mbps	Tune-up Limit
BR / EDR	CH 00	2402	10.01	11.50	9.15	11.00	9.11	11.00
	CH 39	2441	9.85	11.50	8.67	10.50	8.59	10.50
	CH 78	2480	8.76	10.50	8.60	10.50	8.58	10.50

BT BR/BDR ANT 18

Mode	Channel	Frequency (MHz)	1Mbps	Tune-up Limit	2Mbps	Tune-up Limit	3Mbps	Tune-up Limit
BR / EDR	CH 00	2402	8.37	10.00	8.20	10.00	8.11	10.00
	CH 39	2441	8.87	10.00	8.48	10.00	8.39	10.00
	CH 78	2480	8.66	10.00	7.98	9.50	7.94	9.50