









**LTE Carrier Aggregation Conducted Power (Uplink)**

2CC Uplink Carrier Aggregation		
Number	Combination	Ant No.
1	5B	ANT0
2	7C	ANT0
3	41C	ANT2
4	48C	ANT3
5	66B	ANT0
6	66C	ANT0

**<Intra-band>**

**General Note:**

- i. The device supports intra-band uplink carrier aggregation for LTE B5/7/41/48/66 with a maximum of two component carriers. For intra band contiguous carrier aggregation scenarios, 3GPP 36.101 table 6.2.2A-1 specifies that the aggregate maximum allowed output power is equivalent to the single carrier scenario. 3GPP 36.101 6.2.3A allows for several dB of MPR to be applied when not-contiguous RB allocation is implemented. The conducted power and MPR setting in this device are permanently implemented pre 3GPP requirement.
- ii. The device supports uplink carrier aggregation with a maximum of two component carriers. For intra band contiguous carrier aggregation scenarios, 3GPP 36.101 table 6.2.2A-1 specifies that the aggregate maximum allowed output power is equivalent to the single carrier scenario. 3GPP 36.101 6.2.3A allows for several dB of MPR to be applied when not-contiguous RB allocation is implemented. The conducted power and MPR setting in this device are permanently implemented pre the 3GPP requirement.
- iii. According Nov. 2017 TCB workshop, the output power with uplink CA active was measured for the configuration with the highest reported SAR with single carrier for each exposure condition. The power was measured with wideband signal integration over both component carriers.
- iv. Additional SAR measurement for LTE UL CA with other DL CA combinations active were not required since the maximum output power for this configuration was not > 0.25dB higher than the maximum output power for UL CA active.
- v. LTE CA\_66B test was covered by CA\_66C; therefore, SAR was only assessed for CA\_66C.

**Default Power Mode**

**Ant0**

CA_5B								
Combination 10MHz+10MHz (50RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20450	20549	QPSK	1	49	1	0	23.86	25.00
20476	20575	QPSK	1	49	1	0	24.03	25.00
20600	20501	QPSK	1	0	1	49	23.95	25.00

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	23.09	24.00
21100	21298	QPSK	1	99	1	0	23.22	24.00
21350	21152	QPSK	1	0	1	99	23.16	24.00

CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	23.95	25.00
132322	132415	QPSK	1	74	1	0	24.13	25.00
132597	132504	QPSK	1	0	1	24	24.02	25.00

CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	24.05	25.00
132322	132520	QPSK	1	99	1	0	24.12	25.00
132572	132374	QPSK	1	0	1	99	23.83	25.00

**Ant2**

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	23.35	25.00
40185	40383	QPSK	1	99	1	0	23.42	25.00
40620	40818	QPSK	1	99	1	0	23.56	25.00
41055	41253	QPSK	1	99	1	0	23.53	25.00
41490	41292	QPSK	1	0	1	99	23.26	25.00

**Ant3**

CA_48C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	23.34	24.50
55830	56028	QPSK	1	99	1	0	23.57	24.50
56150	56348	QPSK	1	99	1	0	23.46	24.50
56640	56442	QPSK	1	0	1	99	23.41	24.50



Reduced Power Mode for DSI 0

Ant0

CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	21.95	23.00
132322	132415	QPSK	1	74	1	0	22.06	23.00
132597	132504	QPSK	1	0	1	24	22.08	23.00

CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	22.01	23.00
132322	132520	QPSK	1	99	1	0	22.12	23.00
132572	132374	QPSK	1	0	1	99	21.97	23.00

Reduced Power Mode for DSI 1

Ant0

CA_5B								
Combination 10MHz+10MHz (50RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20450	20549	QPSK	1	49	1	0	22.21	23.30
20476	20575	QPSK	1	49	1	0	22.35	23.30
20600	20501	QPSK	1	0	1	49	22.15	23.30

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	13.11	14.40
21100	21298	QPSK	1	99	1	0	13.25	14.40
21350	21152	QPSK	1	0	1	99	13.22	14.40

CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	18.67	19.70
132322	132415	QPSK	1	74	1	0	18.83	19.70
132597	132504	QPSK	1	0	1	24	18.80	19.70

CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	18.67	19.70
132322	132520	QPSK	1	99	1	0	18.91	19.70
132572	132374	QPSK	1	0	1	99	18.83	19.70

**Ant2**

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	18.55	19.80
40185	40383	QPSK	1	99	1	0	18.42	19.80
40620	40818	QPSK	1	99	1	0	18.61	19.80
41055	41253	QPSK	1	99	1	0	18.47	19.80
41490	41292	QPSK	1	0	1	99	18.39	19.80

**Ant3**

CA_48C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	10.53	11.50
55830	56028	QPSK	1	99	1	0	10.71	11.50
56150	56348	QPSK	1	99	1	0	10.62	11.50
56640	56442	QPSK	1	0	1	99	10.59	11.50

**Reduced Power Mode for DSI 2**

**Ant0**

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	20.88	21.40
21100	21298	QPSK	1	99	1	0	20.95	21.40
21350	21152	QPSK	1	0	1	99	20.81	21.40

CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	19.51	20.40
132322	132415	QPSK	1	74	1	0	19.68	20.40
132597	132504	QPSK	1	0	1	24	19.44	20.40

CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	19.56	20.40
132322	132520	QPSK	1	99	1	0	19.72	20.40
132572	132374	QPSK	1	0	1	99	19.48	20.40



**Reduced Power Mode for DSI 3**

**Ant0**

CA_5B								
Combination 10MHz+10MHz (50RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20450	20549	QPSK	1	49	1	0	19.68	20.70
20476	20575	QPSK	1	49	1	0	19.79	20.70
20600	20501	QPSK	1	0	1	49	19.62	20.70

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	13.11	14.40
21100	21298	QPSK	1	99	1	0	13.25	14.40
21350	21152	QPSK	1	0	1	99	13.22	14.40

CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	16.08	17.10
132322	132415	QPSK	1	74	1	0	16.11	17.10
132597	132504	QPSK	1	0	1	24	16.01	17.10

CA_66C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	16.12	17.10
132322	132520	QPSK	1	99	1	0	16.17	17.10
132572	132374	QPSK	1	0	1	99	15.98	17.10

**Ant2**

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	18.55	19.80
40185	40383	QPSK	1	99	1	0	18.42	19.80
40620	40818	QPSK	1	99	1	0	18.61	19.80
41055	41253	QPSK	1	99	1	0	18.47	19.80
41490	41292	QPSK	1	0	1	99	18.39	19.80

**Ant3**

CA_48C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	10.53	11.50
55830	56028	QPSK	1	99	1	0	10.71	11.50
56150	56348	QPSK	1	99	1	0	10.62	11.50
56640	56442	QPSK	1	0	1	99	10.59	11.50

**5G NR Output Power (Unit: dBm)**

**General Note:**

1. 5G NR n2 / n5 / n7 / n12 / n25 / n66 / n71 / n38 / n41 / n48 / n77 / n78 is NSA mode.
2. 5G NR n2 / n5 / n7 / n12 / n13 / n14 / n25 / n66 / n71 / n38 / n41 / n48 / n77 / n78 is SA mode.
3. For 5G NR test procedure was following step similar FCC KDB 941225 D05:
  - a. For DFT-OFDM and CP-OFDM output power measurement reduction, according to 38.101 maximum power reduction for power class2 and 3, the CP-OFDM mode will not higher than DFT-OFDM mode, therefore, similar FCC KDB 941225 D05 procedure for other modulation output power for each RB allocation configuration is > not ½ dB higher than the same configuration in DFT-QPSK and the reported SAR for the DFT-QPSK configuration is ≤ 1.45 W/kg; CP-OFDM testing is not required.
  - b. For DFT-OFDM output power measurement reduction, according to 38.101 maximum power reduction for power class2 and 3, for 16QAM/64QAM/256QAM and smaller bandwidth output power will spot check largest channel bandwidth worst RB configuration to ensure the 16QAM/64QAM/256QAM and smaller bandwidth output power will not ½ dB higher than the same configuration in the largest supported bandwidth.
  - c. SAR testing start with the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel
  - d. 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure
  - e. QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested
  - f. PI/2 BPSK/16QAM/64QAM/256QAM output powers according to 3GPP MPR will not ½ dB higher than the same configuration in QPSK, also reported SAR for the QPSK configuration is less than 1.45 W/kg, PI/2 BPSK /16QAM/64QAM/256QAM SAR testing are not required.
  - g. Smaller bandwidth output power for each RB allocation configuration for this device will not ½ dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is ≤ 1.45 W/kg, smaller bandwidth SAR testing is not required for this device
4. Due to test setup limitations, SAR testing for NR was performed using Factory Test Mode software to establish the connection and perform SAR with 100% transmission.
5. 5G NR n41 / n77 / n78 supports HPUE, HPUE power and SAR testing performed separately.
6. 5G NR n41 / n77 / n78 HUPE with higher power, HUPE SAR can represent power class 3 level SAR.
7. NSA and SA mode should perform SAR separately. For the bands, when channel bandwidth of SA and NSA is same, and the maximum power of NSA mode is same as SA total power level, SA SAR can represent NSA mode SAR. For the bands, when channel bandwidth of SA and NSA is different, choose the largest channel bandwidth with maximum power to perform SAR testing, so the largest channel bandwidth SAR can represent the smallest channel bandwidth SAR.
8. When channel bandwidth of SA and NSA is same, the power level is the same as 5GNR SA mode, so 5GNR NSA mode and SA mode power table only show one time. When channel bandwidth of SA and NSA is different, chose the largest channel bandwidth mode among SA and NSA to perform power measurement.
9. 5G NR supports CP-OFDM and DFT-s-OFDM modulation, for DFT-s-OFDM power is higher than CP-OFDM, so only show DFT-s-OFDM power table and chose DFT-s-OFDM to perform SAR testing.
10. For DFT-s-OFDM and CP-OFDM output power measurement reduction, according to 38.101 maximum power reduction for the CP-OFDM mode will not higher than DFT-s-OFDM mode, therefore, CP-OFDM measurement is unnecessary.

<3GPP 38.101 MPR for EN-DC>

Table 6.2.2-1 Maximum power reduction (MPR) for power class 3

Modulation		MPR (dB)		
		Edge RB allocations	Outer RB allocations	Inner RB allocations
DFT-s-OFDM	Pi/2 BPSK	$\leq 3.5^1$ $\leq 0.5^2$	$\leq 1.2^1$ $\leq 0.5^2$	$\leq 0.2^1$ $0^2$
	QPSK		$\leq 1$	0
	16 QAM		$\leq 2$	$\leq 1$
	64 QAM		$\leq 2.5$	
	256 QAM		$\leq 4.5$	
CP-OFDM	QPSK	$\leq 3$		$\leq 1.5$
	16 QAM	$\leq 3$		$\leq 2$
	64 QAM		$\leq 3.5$	
	256 QAM		$\leq 6.5$	

NOTE 1: Applicable for UE operating in TDD mode with Pi/2 BPSK modulation and UE indicates support for UE capability *powerBoosting-pi2BPSK* and if the IE *powerBoostPi2BPSK* is set to 1 and 40 % or less slots in radio frame are used for UL transmission for bands n40, n41, n77, n78 and n79. The reference power of 0 dB MPR is 26 dBm.

NOTE 2: Applicable for UE operating in FDD mode, or in TDD mode in bands other than n40, n41, n77, n78 and n79 with Pi/2 BPSK modulation and if the IE *powerBoostPi2BPSK* is set to 0 and if more than 40 % of slots in radio frame are used for UL transmission for bands n40, n41, n77, n78 and n79.

Table 6.2.2-2 Maximum power reduction (MPR) for power class 2

Modulation		MPR (dB)		
		Edge RB allocations	Outer RB allocations	Inner RB allocations
DFT-s-OFDM	Pi/2 BPSK	$\leq 3.5$	$\leq 0.5$	0
	QPSK	$\leq 3.5$	$\leq 1$	0
	16 QAM	$\leq 3.5$	$\leq 2$	$\leq 1$
	64 QAM	$\leq 3.5$		$\leq 2.5$
	256 QAM		$\leq 4.5$	
CP-OFDM	QPSK	$\leq 3.5$	$\leq 3$	$\leq 1.5$
	16 QAM	$\leq 3.5$	$\leq 3$	$\leq 2$
	64 QAM		$\leq 3.5$	
	256 QAM		$\leq 6.5$	

<EN-DC combination and combine Total Power>

EN-DC configuration	LTE TX ANT	NR TX ANT
DC_2A_n5A	ANT2	ANT0
DC_2A_n7A	ANT0	ANT2
DC_2A_n38A	ANT0	ANT2
DC_2A_n41A	ANT0	ANT2
DC_2A_n48A	ANT0	ANT3
DC_2A_n66A	ANT0	ANT2
DC_2A_n71A	ANT2	ANT0
DC_2A_n77A	ANT0	ANT3
DC_2A_n78A	ANT0	ANT3
DC_4A_n38A	ANT0	ANT2
DC_4A_n41A	ANT0	ANT2
DC_5A_n2A	ANT0	ANT2
DC_5A_n7A	ANT0	ANT2
DC_5A_n38A	ANT0	ANT2
DC_5A_n48A	ANT0	ANT3
DC_5A_n66A	ANT0/ANT2	ANT2/ANT0
DC_5A_n77A	ANT0	ANT3
DC_5A_n78A	ANT0	ANT3
DC_7A_n66A	ANT0	ANT2
DC_7A_n71A	ANT2	ANT0
DC_7A_n77A	ANT0	ANT3
DC_12A_n2A	ANT0	ANT2
DC_12A_n5A	ANT0	ANT2
DC_12A_n7A	ANT0	ANT2
DC_12A_n25A	ANT0	ANT2
DC_12A_n38A	ANT0	ANT2
DC_12A_n41A	ANT0	ANT2
DC_12A_n66A	ANT0	ANT2



DC_12A_n78A	ANT0	ANT3
DC_13A_n2A	ANT0	ANT2
DC_13A_n7A	ANT0	ANT2
DC_13A_n48A	ANT0	ANT3
DC_13A_n66A	ANT0	ANT2
DC_13A_n77A	ANT0	ANT3
DC_13A_n78A	ANT0	ANT3
DC_14A_n2A	ANT0	ANT2
DC_14A_n66A	ANT0	ANT2
DC_14A_n77A	ANT0	ANT3
DC_25A_n41A	ANT0	ANT2
DC_26A_n41A	ANT0	ANT2
DC_38A_n78A	ANT0	ANT3
DC_48A_n5A	ANT3	ANT0
DC_48A_n25A	ANT3	ANT0
DC_48C_n25A	ANT3	ANT0
DC_48A_n66A	ANT3	ANT0
DC_66A_n2A	ANT0	ANT2
DC_66A_n5A	ANT2	ANT0
DC_66A_n7A	ANT0	ANT2
DC_66A_n12A	ANT2	ANT0
DC_66A_n25A	ANT0	ANT2
DC_66A_n38A	ANT0	ANT2
DC_66A_n41A	ANT0	ANT2
DC_66A_n48A	ANT0	ANT3
DC_66A_n71A	ANT2	ANT0
DC_66A_n77A	ANT0	ANT3
DC_66A_n78A	ANT0	ANT3
DC_71A_n2A	ANT0	ANT2
DC_71A_n38A	ANT0	ANT2
DC_71A_n41A	ANT0	ANT2
DC_71A_n66A	ANT0	ANT2
DC_71A_n78A	ANT0	ANT3
DC_7A_n2A	ANT0	ANT2
DC_7A_n5A	ANT2	ANT0
DC_48A_n2A	ANT3	ANT2
DC_13A_n5A	ANT0	ANT2
DC_66A_n5A	ANT0	ANT2

**Default Power Mode**

<Ant0>

n2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000	25.0	0.0
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	23.31	23.37	23.19		
20	PI/2 BPSK	1	53	23.17	23.37	23.17	24.5	0.5
20	PI/2 BPSK	1	104	23.10	23.27	23.11		
20	PI/2 BPSK	50	0	22.92	22.82	22.75		
20	PI/2 BPSK	50	28	23.33	23.34	23.23	25.0	0.0
20	PI/2 BPSK	50	56	22.72	22.82	22.75		
20	PI/2 BPSK	100	0	22.61	22.86	22.71		
20	QPSK	1	1	23.23	23.39	23.22	25.0	0.0
20	QPSK	1	53	23.14	23.27	23.07		
20	QPSK	1	104	23.10	23.33	23.06		
20	QPSK	50	0	22.34	22.29	22.26	24.0	1.0
20	QPSK	50	28	23.24	23.30	23.24		
20	QPSK	50	56	22.12	22.34	22.24		
20	QPSK	100	0	22.27	22.31	22.17	24.0	1.0
20	16QAM	1	1	22.20	22.29	22.15		
20	64QAM	1	1	20.91	21.11	20.98		
20	256QAM	1	1	18.98	18.97	18.88	20.5	4.5
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	23.13	23.27	23.16	25.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	23.17	23.24	23.09	25.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	23.05	23.29	23.05	25.0	0.0

n5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	24.23	24.27	24.23	25.0	0.0
20	PI/2 BPSK	1	53	24.09	24.23	24.25		
20	PI/2 BPSK	1	104	23.91	24.10	24.04		
20	PI/2 BPSK	50	0	23.71	23.66	23.79	24.5	0.5
20	PI/2 BPSK	50	28	24.16	24.08	24.03	25.0	0.0
20	PI/2 BPSK	50	56	23.50	23.64	23.58	24.5	0.5
20	PI/2 BPSK	100	0	23.71	23.81	23.45		
20	QPSK	1	1	24.12	24.36	24.29	25.0	0.0
20	QPSK	1	53	24.09	24.09	24.02		
20	QPSK	1	104	23.93	24.03	23.90		
20	QPSK	50	0	23.19	23.25	23.05	24.0	1.0
20	QPSK	50	28	24.09	24.14	24.09	25.0	0.0
20	QPSK	50	56	23.05	23.07	22.98	24.0	1.0
20	QPSK	100	0	23.05	23.19	23.07		
20	16QAM	1	1	23.42	23.59	23.44	24.0	1.0
20	64QAM	1	1	22.04	22.22	22.21	22.5	2.5
20	256QAM	1	1	19.84	20.01	19.79	20.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.91	24.10	23.98	25.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.91	24.10	24.09	25.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	23.80	24.15	23.93	25.0	0.0



n7								
BW [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				505000	507000	509000	24.0	0.0
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	23.33	23.38	23.35		
50	PI/2 BPSK	1	135	23.31	23.46	23.25	23.5	0.5
50	PI/2 BPSK	1	268	23.41	23.19	23.18		
50	PI/2 BPSK	135	0	22.79	22.84	22.83		
50	PI/2 BPSK	135	68	23.08	23.27	23.26	23.5	0.5
50	PI/2 BPSK	135	135	22.78	22.93	23.03		
50	PI/2 BPSK	270	0	22.90	23.02	22.82		
50	QPSK	1	1	23.37	23.47	23.26	24.0	0.0
50	QPSK	1	135	23.22	23.23	23.20		
50	QPSK	1	268	23.23	23.34	23.33		
50	QPSK	135	0	22.40	22.39	22.52	23.0	1.0
50	QPSK	135	68	23.17	23.36	23.16		
50	QPSK	135	135	22.43	22.44	22.29		
50	QPSK	270	0	22.44	22.45	22.33	23.0	1.0
50	16QAM	1	1	22.55	22.53	22.48		
50	64QAM	1	1	21.24	21.23	21.27		
50	256QAM	1	1	19.01	19.17	18.87	19.5	4.5
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	23.23	23.35	23.12	24.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	23.27	23.33	23.13	24.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	23.26	23.33	23.12	24.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	23.24	23.36	23.15	24.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	23.27	23.34	23.16	24.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	23.24	23.35	23.12	24.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	23.26	23.36	23.15	24.0	0.0

n12								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141300	141500	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	PI/2 BPSK	1	1	23.07	23.13	23.05	24.0	0.0
15	PI/2 BPSK	1	40	23.18	23.12	22.89		
15	PI/2 BPSK	1	77	23.09	23.12	23.02		
15	PI/2 BPSK	36	0	22.57	22.71	22.72	23.5	0.5
15	PI/2 BPSK	36	22	23.12	23.21	22.99	24.0	0.0
15	PI/2 BPSK	36	43	22.73	22.61	22.60	23.5	0.5
15	PI/2 BPSK	75	0	22.59	22.70	22.58		
15	QPSK	1	1	23.22	23.24	23.20	24.0	0.0
15	QPSK	1	40	23.16	23.20	22.98		
15	QPSK	1	77	22.87	23.07	23.05		
15	QPSK	36	0	22.19	22.29	22.14	23.0	1.0
15	QPSK	36	22	23.11	23.21	23.02	24.0	0.0
15	QPSK	36	43	21.96	22.28	22.28	23.0	1.0
15	QPSK	75	0	22.31	22.39	22.20		
15	16QAM	1	1	22.46	22.53	22.15	23.0	1.0
15	64QAM	1	1	21.03	20.88	20.94	21.5	2.5
	256QAM	1	1	18.76	18.97	18.87	19.5	4.5
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	23.03	23.05	23.17	24.0	0.0
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	1	23.04	23.18	23.02	24.0	0.0





n13								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					156400			
Frequency (MHz)					782			
10	PI/2 BPSK	1	1		23.12		24.0	0.0
10	PI/2 BPSK	1	26		23.16			
10	PI/2 BPSK	1	50		23.08			
10	PI/2 BPSK	25	0		22.68		23.5	0.5
10	PI/2 BPSK	25	14		23.14		24.0	0.0
10	PI/2 BPSK	25	27		22.71		23.5	0.5
10	PI/2 BPSK	50	0		22.73			
10	QPSK	1	1		23.25		24.0	0.0
10	QPSK	1	26		23.20			
10	QPSK	1	50		23.07			
10	QPSK	25	0		22.28		23.0	1.0
10	QPSK	25	14		23.19		24.0	0.0
10	QPSK	25	27		22.27		23.0	1.0
10	QPSK	50	0		22.36			
10	16QAM	1	1		22.51		23.0	1.0
10	64QAM	1	1		20.89		21.5	2.5
10	256QAM	1	1		18.99		19.5	4.5
Channel				155900	156400	156900	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	1	23.04	23.07	23.09	24.0	0.0



n14								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					158600			
Frequency (MHz)					793			
10	PI/2 BPSK	1	1		23.16		24.0	0.0
10	PI/2 BPSK	1	26		23.08			
10	PI/2 BPSK	1	50		23.13			
10	PI/2 BPSK	25	0		22.71		23.5	0.5
10	PI/2 BPSK	25	14		23.14		24.0	0.0
10	PI/2 BPSK	25	27		22.61		23.5	0.5
10	PI/2 BPSK	50	0		22.70			
10	QPSK	1	1		23.22		24.0	0.0
10	QPSK	1	26		23.19			
10	QPSK	1	50		23.08			
10	QPSK	25	0		22.50		23.0	1.0
10	QPSK	25	14		23.20		24.0	0.0
10	QPSK	25	27		22.31		23.0	1.0
10	QPSK	50	0		22.29			
10	16QAM	1	1		22.53		23.0	1.0
10	64QAM	1	1		20.79		21.5	2.5
10	256QAM	1	1		18.97		19.5	4.5
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				790.5	793	795.5		
5	QPSK	1	1	23.10	23.08	23.11	24.0	0.0

n25								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376500	381000	25.0	0.0
Frequency (MHz)				1860	1882.5	1905		
20	PI/2 BPSK	1	1	23.52	23.72	23.46	24.5	0.5
20	PI/2 BPSK	1	53	23.61	23.60	23.55		
20	PI/2 BPSK	1	104	23.39	23.66	23.67		
20	PI/2 BPSK	50	0	23.18	23.31	23.23	25.0	0.0
20	PI/2 BPSK	50	28	23.69	23.53	23.64		
20	PI/2 BPSK	50	56	23.11	23.12	23.09	24.5	0.5
20	PI/2 BPSK	100	0	23.10	23.23	23.15		
20	QPSK	1	1	23.76	23.87	23.83	25.0	0.0
20	QPSK	1	53	23.58	23.63	23.46		
20	QPSK	1	104	23.37	23.62	23.54		
20	QPSK	50	0	22.44	22.64	22.60	24.0	1.0
20	QPSK	50	28	23.59	23.84	23.62		
20	QPSK	50	56	22.84	22.90	22.64	24.0	1.0
20	QPSK	100	0	22.62	22.97	22.82		
20	16QAM	1	1	22.62	22.83	22.91	24.0	1.0
20	64QAM	1	1	21.29	21.26	21.22	22.5	2.5
20	256QAM	1	1	19.20	19.36	19.32	20.5	4.5
Channel				371500	376500	381500	25.0	0.0
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	23.73	23.73	23.70	25.0	0.0
Channel				371000	376500	382000	25.0	0.0
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	23.68	23.75	23.77	25.0	0.0
Channel				370500	376500	382500	25.0	0.0
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	23.68	23.70	23.72	25.0	0.0



n66								
BW [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				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	PI/2 BPSK	1	1	24.00	24.06	23.97	25.0	0.0
30	PI/2 BPSK	1	80	23.99	24.15	24.08		
30	PI/2 BPSK	1	158	24.09	24.13	23.95		
30	PI/2 BPSK	80	0	23.57	23.67	23.51	24.5	0.5
30	PI/2 BPSK	80	40	24.07	24.14	24.08	25.0	0.0
30	PI/2 BPSK	80	80	23.57	23.74	23.71	24.5	0.5
30	PI/2 BPSK	160	0	23.63	23.71	23.65		
30	QPSK	1	1	24.10	24.18	24.13	25.0	0.0
30	QPSK	1	80	24.06	24.12	24.03		
30	QPSK	1	158	24.03	24.07	24.02		
30	QPSK	80	0	23.05	23.14	23.01	24.0	1.0
30	QPSK	80	40	23.94	24.10	23.99	25.0	0.0
30	QPSK	80	80	23.18	23.29	23.26	24.0	1.0
30	QPSK	160	0	23.20	23.24	23.09		
30	16QAM	1	1	22.94	23.08	23.03	24.0	1.0
30	64QAM	1	1	21.89	21.93	21.82	22.5	2.5
30	256QAM	1	1	19.72	19.75	19.66	20.5	4.5
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	23.97	24.03	23.96	25.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	24.05	24.16	23.95	#REF!	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	24.03	24.13	24.09	25.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.96	24.02	24.11	25.0	0.0

n71								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	23.13	23.24	23.17	24.0	0.0
20	PI/2 BPSK	1	53	23.18	23.23	23.01		
20	PI/2 BPSK	1	104	23.17	23.16	23.09		
20	PI/2 BPSK	50	0	22.68	22.76	22.73	23.5	0.5
20	PI/2 BPSK	50	28	23.00	23.20	22.99	24.0	0.0
20	PI/2 BPSK	50	56	22.58	22.60	22.50	23.5	0.5
20	PI/2 BPSK	100	0	22.52	22.65	22.61		
20	QPSK	1	1	23.16	23.36	23.25	24.0	0.0
20	QPSK	1	53	23.00	23.08	23.07		
20	QPSK	1	104	22.93	22.94	23.12		
20	QPSK	50	0	22.17	22.23	22.17	23.0	1.0
20	QPSK	50	28	23.19	23.33	23.31	24.0	0.0
20	QPSK	50	56	22.21	22.05	22.02	23.0	1.0
20	QPSK	100	0	21.99	22.21	22.06		
20	16QAM	1	1	22.21	22.56	22.31	23.0	1.0
20	64QAM	1	1	20.66	20.99	20.85	21.5	2.5
20	256QAM	1	1	18.33	18.56	18.49	19.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	23.09	23.25	23.04	24.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	23.18	23.33	23.05	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	23.04	23.17	23.17	24.0	0.0



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n41								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	21.0	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	20.02	20.12	20.06		
100	PI/2 BPSK	1	137	20.17	20.10	20.09	21.0	0.0
100	PI/2 BPSK	1	271	20.07	20.10	19.96		
100	PI/2 BPSK	135	0	19.83	20.05	20.09		
100	PI/2 BPSK	135	69	20.00	20.10	19.97	21.0	0.0
100	PI/2 BPSK	135	138	20.06	20.04	19.95	21.0	0.0
100	PI/2 BPSK	270	0	20.02	20.06	19.93		
100	QPSK	1	1	20.15	20.22	20.09		
100	QPSK	1	137	19.94	19.98	20.00	21.0	0.0
100	QPSK	1	271	20.05	19.98	19.85		
100	QPSK	135	0	19.74	19.99	19.81		
100	QPSK	135	69	19.88	20.12	20.04	21.0	0.0
100	QPSK	135	138	20.01	19.99	19.81	21.0	0.0
100	QPSK	270	0	19.92	19.97	19.74		
100	16QAM	1	1	20.06	20.11	20.19		
100	64QAM	1	1	20.12	20.20	20.00	21.0	0.0
100	256QAM	1	1	20.00	20.08	20.16	21.0	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	20.04	20.17	19.93	21.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	109	19.98	20.19	20.02	21.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	95	19.99	20.10	19.91	21.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	20.12	20.18	19.98	21.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	20.10	20.15	19.95	21.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	20.09	20.07	19.95	21.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	20.04	20.06	19.97	21.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	20.05	20.11	19.97	21.0	0.0



Part270 n77								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	19.85	19.90	19.72		
100	PI/2 BPSK	1	137	19.70	19.74	19.70	21.0	0.0
100	PI/2 BPSK	1	271	19.64	19.77	19.65	21.0	0.0
100	PI/2 BPSK	135	0	19.71	19.88	19.72		
100	PI/2 BPSK	135	69	19.74	19.84	19.78		
100	PI/2 BPSK	135	138	19.62	19.71	19.64	21.0	0.0
100	PI/2 BPSK	270	0	19.75	19.88	19.75	21.0	0.0
100	QPSK	1	1	20.18	20.23	20.17		
100	QPSK	1	137	20.11	20.19	20.04		
100	QPSK	1	271	20.00	20.13	20.04	21.0	0.0
100	QPSK	135	0	19.74	19.77	19.73		
100	QPSK	135	69	19.74	19.83	19.71		
100	QPSK	135	138	19.54	19.69	19.54	21.0	0.0
100	QPSK	270	0	19.76	19.87	19.70	21.0	0.0
100	16QAM	1	1	19.90	19.92	19.74		
100	64QAM	1	1	19.70	19.86	19.78		
100	256QAM	1	1	19.65	19.69	19.58	21.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	20.09	20.14	20.04	21.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	20.09	20.05	20.06	21.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	20.01	20.09	20.11	21.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	20.09	20.20	20.00	21.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	20.03	20.14	20.14	21.0	0.0



Part27Q n77								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		20.02		21.0	0.0
100	PI/2 BPSK	1	137		19.88			
100	PI/2 BPSK	1	271		19.95			
100	PI/2 BPSK	135	0		19.99		21.0	0.0
100	PI/2 BPSK	135	69		20.06		21.0	0.0
100	PI/2 BPSK	135	138		19.91		21.0	0.0
100	PI/2 BPSK	270	0		20.06			
100	QPSK	1	1		20.30		21.0	0.0
100	QPSK	1	137		20.23			
100	QPSK	1	271		20.25			
100	QPSK	135	0		19.90		21.0	0.0
100	QPSK	135	69		19.96		21.0	0.0
100	QPSK	135	138		19.88		21.0	0.0
100	QPSK	270	0		20.07			
100	16QAM	1	1		20.03		21.0	0.0
100	64QAM	1	1		20.06		21.0	0.0
100	256QAM	1	1		19.43		20.0	1.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	20.27	20.27	20.16	21.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	20.26	20.22	20.21	21.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.21	20.29	20.24	21.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	20.25	20.15	20.26	21.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	20.22	20.19	20.22	21.0	0.0





Part270 n78								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		20.22			
100	PI/2 BPSK	1	137		20.24		21.0	0.0
100	PI/2 BPSK	1	271		20.09			
100	PI/2 BPSK	135	0		20.21		21.0	0.0
100	PI/2 BPSK	135	69		20.16		21.0	0.0
100	PI/2 BPSK	135	138		20.15		21.0	0.0
100	PI/2 BPSK	270	0		20.25			
100	QPSK	1	1		20.32		21.0	0.0
100	QPSK	1	137		20.29			
100	QPSK	1	271		20.26			
100	QPSK	135	0		20.30		21.0	0.0
100	QPSK	135	69		20.19		21.0	0.0
100	QPSK	135	138		20.22		21.0	0.0
100	QPSK	270	0		20.26			
100	16QAM	1	1		20.23		21.0	0.0
100	64QAM	1	1		20.13		21.0	0.0
100	256QAM	1	1		19.76		20.5	0.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	20.08	20.15	20.07	21.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	20.07	20.10	20.09	21.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	20.02	20.19	20.11	21.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	20.03	20.06	20.06	21.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	19.99	20.21	20.05	21.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	20.00	20.12	20.02	21.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	20.05	20.07	20.05	21.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	20.06	20.20	20.02	21.0	0.0



Part27Q 78								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		20.19		21.0	0.0
100	PI/2 BPSK	1	137		20.11			
100	PI/2 BPSK	1	271		19.91			
100	PI/2 BPSK	135	0		20.04		21.0	0.0
100	PI/2 BPSK	135	69		20.07		21.0	0.0
100	PI/2 BPSK	135	138		20.09		21.0	0.0
100	PI/2 BPSK	270	0		20.13			
100	QPSK	1	1		20.27		21.0	0.0
100	QPSK	1	137		20.26			
100	QPSK	1	271		20.22			
100	QPSK	135	0		20.22		21.0	0.0
100	QPSK	135	69		20.13		21.0	0.0
100	QPSK	135	138		20.13		21.0	0.0
100	QPSK	270	0		20.18			
100	16QAM	1	1		20.21		21.0	0.0
100	64QAM	1	1		20.01		21.0	0.0
100	256QAM	1	1		19.46		20.5	0.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	20.11	20.18	20.10	21.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	20.12	20.13	20.25	21.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	20.21	20.24	20.22	21.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	20.22	20.12	20.18	21.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	20.19	20.15	20.13	21.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.13	20.19	20.15	21.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	20.23	20.11	20.10	21.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	20.14	20.17	20.23	21.0	0.0

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n2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000	25.0	0.0
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	23.36	23.57	23.63		
20	PI/2 BPSK	1	53	23.50	23.59	23.40	24.5	0.5
20	PI/2 BPSK	1	104	23.48	23.60	23.43		
20	PI/2 BPSK	50	0	22.99	23.22	22.89		
20	PI/2 BPSK	50	28	23.53	23.70	23.55	25.0	0.0
20	PI/2 BPSK	50	56	22.88	23.03	22.98		
20	PI/2 BPSK	100	0	22.95	23.21	23.16		
20	QPSK	1	1	23.61	23.74	23.65	25.0	0.0
20	QPSK	1	53	23.46	23.54	23.35		
20	QPSK	1	104	23.10	23.17	23.04		
20	QPSK	50	0	22.39	22.65	22.59	24.0	1.0
20	QPSK	50	28	23.50	23.56	23.31		
20	QPSK	50	56	22.31	22.52	22.57		
20	QPSK	100	0	22.58	22.71	22.53	25.0	0.0
20	16QAM	1	1	22.36	22.28	22.33		
20	64QAM	1	1	21.30	21.47	21.36		
20	256QAM	1	1	19.31	19.49	19.37	20.5	4.5
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	23.54	23.59	23.58	25.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	23.55	23.56	23.51	25.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	23.52	23.63	23.47	25.0	0.0

n5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	24.33	24.39	24.30	25.0	0.0
20	PI/2 BPSK	1	53	24.22	24.32	24.16		
20	PI/2 BPSK	1	104	23.98	24.14	24.06		
20	PI/2 BPSK	50	0	23.89	23.91	23.87	24.5	0.5
20	PI/2 BPSK	50	28	24.30	24.33	24.27	25.0	0.0
20	PI/2 BPSK	50	56	23.76	23.79	23.74	24.5	0.5
20	PI/2 BPSK	100	0	23.69	23.84	23.80		
20	QPSK	1	1	24.43	24.51	24.38	25.0	0.0
20	QPSK	1	53	24.18	24.34	24.23		
20	QPSK	1	104	24.04	24.12	24.02		
20	QPSK	50	0	23.38	23.44	23.39	24.0	1.0
20	QPSK	50	28	24.30	24.36	24.18	25.0	0.0
20	QPSK	50	56	23.24	23.28	23.16	24.0	1.0
20	QPSK	100	0	23.25	23.34	23.29		
20	16QAM	1	1	23.22	23.39	23.25	24.0	1.0
20	64QAM	1	1	22.13	22.30	22.24	22.5	2.5
20	256QAM	1	1	20.09	20.26	20.15	20.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	24.38	24.48	24.35	25.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	24.40	24.41	24.28	25.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	24.34	24.35	24.26	25.0	0.0



n7								
BW [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				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	22.57	22.68	22.47	24.0	0.0
50	PI/2 BPSK	1	135	22.75	22.88	22.87		
50	PI/2 BPSK	1	268	22.59	22.68	22.50		
50	PI/2 BPSK	135	0	22.31	22.43	22.31	23.5	0.5
50	PI/2 BPSK	135	68	22.51	22.76	22.72	24.0	0.0
50	PI/2 BPSK	135	135	22.14	22.20	22.19	23.5	0.5
50	PI/2 BPSK	270	0	22.05	22.22	22.17		
50	QPSK	1	1	22.56	23.02	22.88	24.0	0.0
50	QPSK	1	135	22.79	22.94	22.85		
50	QPSK	1	268	22.65	22.70	22.64		
50	QPSK	135	0	21.68	21.91	21.74	23.0	1.0
50	QPSK	135	68	22.51	22.93	22.75	24.0	0.0
50	QPSK	135	135	21.66	21.86	21.71	23.0	1.0
50	QPSK	270	0	21.91	21.95	21.68		
50	16QAM	1	1	21.98	22.03	21.92	23.0	1.0
50	64QAM	1	1	20.21	20.34	20.37	21.5	2.5
50	256QAM	1	1	18.51	18.48	18.61	19.5	4.5
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	22.64	22.88	22.83	24.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	22.66	22.93	22.83	24.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	22.63	22.88	22.86	24.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	22.66	22.97	22.76	24.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	22.66	22.93	22.85	24.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	22.56	22.97	22.79	24.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	22.67	22.98	22.81	24.0	0.0

n25								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	PI/2 BPSK	1	1	23.83	24.05	23.87	25.0	0.0
20	PI/2 BPSK	1	53	23.84	24.10	23.92		
20	PI/2 BPSK	1	104	23.80	24.10	23.88		
20	PI/2 BPSK	50	0	23.33	23.56	23.48	24.5	0.5
20	PI/2 BPSK	50	28	24.00	23.98	23.91	25.0	0.0
20	PI/2 BPSK	50	56	23.35	23.44	23.29	24.5	0.5
20	PI/2 BPSK	100	0	23.28	23.48	23.23		
20	QPSK	1	1	24.07	24.28	24.18	25.0	0.0
20	QPSK	1	53	24.08	24.10	24.09		
20	QPSK	1	104	23.84	24.01	23.91		
20	QPSK	50	0	23.01	23.29	23.14	24.0	1.0
20	QPSK	50	28	23.98	24.12	23.98	25.0	0.0
20	QPSK	50	56	23.00	23.09	23.05	24.0	1.0
20	QPSK	100	0	23.08	23.19	23.04		
20	16QAM	1	1	23.11	23.34	23.43	24.0	1.0
20	64QAM	1	1	21.69	21.79	21.60	22.5	2.5
20	256QAM	1	1	19.70	19.88	19.76	20.5	4.5
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	23.97	24.17	24.07	25.0	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	23.97	24.21	24.12	25.0	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	23.94	24.15	24.13	25.0	0.0



n66								
BW [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				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	PI/2 BPSK	1	1	24.08	24.12	23.97	25.0	0.0
30	PI/2 BPSK	1	80	23.85	23.98	23.86		
30	PI/2 BPSK	1	158	23.74	23.93	23.85		
30	PI/2 BPSK	80	0	23.53	23.66	23.51	24.5	0.5
30	PI/2 BPSK	80	40	23.85	24.02	23.93	25.0	0.0
30	PI/2 BPSK	80	80	23.54	23.64	23.46	24.5	0.5
30	PI/2 BPSK	160	0	23.41	23.61	23.47		
30	QPSK	1	1	23.99	24.18	24.08	25.0	0.0
30	QPSK	1	80	24.03	24.06	23.89		
30	QPSK	1	158	23.92	24.01	23.83		
30	QPSK	80	0	23.11	23.22	23.09	24.0	1.0
30	QPSK	80	40	23.80	23.98	23.90	25.0	0.0
30	QPSK	80	80	23.01	23.15	23.14	24.0	1.0
30	QPSK	160	0	23.09	23.20	23.07		
30	16QAM	1	1	23.14	23.16	23.09	24.0	1.0
30	64QAM	1	1	21.39	21.51	21.43	22.5	2.5
30	256QAM	1	1	19.41	19.48	19.32	20.5	4.5
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	23.90	24.04	23.94	25.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.95	24.16	24.02	25.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.86	24.09	24.02	25.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.86	24.03	24.01	25.0	0.0

n38								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	23.09	23.21	22.88	24.0	0.0
40	PI/2 BPSK	1	53	23.05	22.96	22.97		
40	PI/2 BPSK	1	104	23.00	23.11	23.10		
40	PI/2 BPSK	50	0	22.57	22.74	22.69	23.5	0.5
40	PI/2 BPSK	50	28	23.05	23.15	23.13	24.0	0.0
40	PI/2 BPSK	50	56	22.70	22.72	22.72	23.5	0.5
40	PI/2 BPSK	100	0	22.67	22.72	22.80		
40	QPSK	1	1	23.08	23.25	23.10	24.0	0.0
40	QPSK	1	53	22.89	23.09	22.96		
40	QPSK	1	104	22.90	23.24	23.12		
40	QPSK	50	0	22.23	22.12	22.14	23.0	1.0
40	QPSK	50	28	23.02	23.22	22.96	24.0	0.0
40	QPSK	50	56	21.97	22.25	22.14	23.0	1.0
40	QPSK	100	0	22.25	22.32	22.14		
40	16QAM	1	1	22.29	22.50	22.30	23.0	1.0
40	64QAM	1	1	20.68	20.91	20.68	21.5	2.5
40	256QAM	1	1	18.77	18.81	18.78	19.5	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	23.06	23.09	22.95	24.0	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	23.06	23.21	23.02	24.0	0.0





n41								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	23.22	23.07	23.13	24.0	0.0
100	PI/2 BPSK	1	137	23.07	23.08	22.88		
100	PI/2 BPSK	1	271	23.27	23.01	22.99		
100	PI/2 BPSK	135	0	22.62	22.67	22.50	23.5	0.5
100	PI/2 BPSK	135	69	23.19	23.20	23.19	24.0	0.0
100	PI/2 BPSK	135	138	22.60	22.72	22.69	23.5	0.5
100	PI/2 BPSK	270	0	22.67	22.57	22.57		
100	QPSK	1	1	23.16	23.31	23.24	24.0	0.0
100	QPSK	1	137	22.96	23.01	23.10		
100	QPSK	1	271	22.93	23.01	22.78		
100	QPSK	135	0	22.34	22.29	22.15	23.0	1.0
100	QPSK	135	69	23.18	23.23	22.99	24.0	0.0
100	QPSK	135	138	22.08	22.13	22.25	23.0	1.0
100	QPSK	270	0	22.14	22.25	22.09		
100	16QAM	1	1	22.41	22.48	22.23	23.0	1.0
100	64QAM	1	1	20.66	20.85	20.86	21.5	2.5
100	256QAM	1	1	18.52	18.86	18.73	19.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	23.07	23.25	23.18	24.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	23.04	23.22	23.09	24.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	23.03	23.26	23.13	24.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	23.09	23.13	23.15	24.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	23.08	23.23	23.11	24.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	23.08	23.18	23.18	24.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	23.10	23.21	23.20	24.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	23.03	23.28	23.12	24.0	0.0



n41 HPUE								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	25.47	25.66	25.48	27.0	0.0
100	PI/2 BPSK	1	137	25.31	25.37	25.17		
100	PI/2 BPSK	1	271	25.32	25.40	25.26		
100	PI/2 BPSK	135	0	24.96	25.20	25.08	26.5	0.5
100	PI/2 BPSK	135	69	25.37	25.58	25.45	27.0	0.0
100	PI/2 BPSK	135	138	25.05	24.98	24.82	26.5	0.5
100	PI/2 BPSK	270	0	24.80	24.97	25.00		
100	QPSK	1	1	25.53	25.71	25.51	27.0	0.0
100	QPSK	1	137	25.33	25.38	25.50		
100	QPSK	1	271	25.38	25.48	25.23		
100	QPSK	135	0	24.38	24.53	24.40	26.0	1.0
100	QPSK	135	69	25.51	25.64	25.50	27.0	0.0
100	QPSK	135	138	24.43	24.53	24.36	26.0	1.0
100	QPSK	270	0	24.46	24.55	24.46		
100	16QAM	1	1	24.77	24.69	24.72	26.0	1.0
100	64QAM	1	1	23.16	23.18	23.17	24.5	2.5
100	256QAM	1	1	21.24	21.33	21.42	22.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	25.30	25.63	25.33	27.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	25.30	25.68	25.37	27.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	25.36	25.60	25.38	27.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	25.33	25.54	25.49	27.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	25.25	25.57	25.35	27.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	25.37	25.59	25.35	27.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	25.32	25.67	25.42	27.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	25.51	25.56	25.53	27.0	0.0



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n48								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332	23.0	0.0
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	22.31	22.37	22.33		
40	PI/2 BPSK	1	53	22.16	22.31	22.17	23.0	0.0
40	PI/2 BPSK	1	104	22.30	22.40	22.30		
40	PI/2 BPSK	50	0	22.09	22.26	22.04		
40	PI/2 BPSK	50	28	22.36	22.46	22.36	23.0	0.0
40	PI/2 BPSK	50	56	22.12	22.20	22.10	23.0	0.0
40	PI/2 BPSK	100	0	22.12	22.18	22.08		
40	QPSK	1	1	22.34	22.47	22.43		
40	QPSK	1	53	22.33	22.37	22.32	23.0	0.0
40	QPSK	1	104	22.42	22.46	22.33		
40	QPSK	50	0	22.10	22.22	22.09		
40	QPSK	50	28	22.35	22.39	22.34	23.0	0.0
40	QPSK	50	56	22.02	22.24	22.13	23.0	0.0
40	QPSK	100	0	22.12	22.23	22.07		
40	16QAM	1	1	22.30	22.34	22.26		
40	64QAM	1	1	21.10	21.14	21.07	21.5	1.5
40	256QAM	1	1	19.17	19.24	19.13	19.5	3.5
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	22.20	22.34	22.39	23.0	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	22.25	22.38	22.38	23.0	0.0

Par270 n77								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	22.84	22.88	22.71	24.0	0.0
100	PI/2 BPSK	1	137	22.68	22.95	22.78		
100	PI/2 BPSK	1	271	22.83	22.90	22.92		
100	PI/2 BPSK	135	0	22.32	22.43	22.40	23.5	0.5
100	PI/2 BPSK	135	69	22.74	22.88	22.84	24.0	0.0
100	PI/2 BPSK	135	138	22.30	22.37	22.35	23.5	0.5
100	PI/2 BPSK	270	0	22.26	22.49	22.35		
100	QPSK	1	1	22.76	22.97	22.84	24.0	0.0
100	QPSK	1	137	22.88	22.95	22.75		
100	QPSK	1	271	22.78	22.89	22.73		
100	QPSK	135	0	21.91	21.99	21.88	23.0	1.0
100	QPSK	135	69	22.80	22.93	22.85	24.0	0.0
100	QPSK	135	138	22.02	22.06	21.96	23.0	1.0
100	QPSK	270	0	21.68	21.87	21.82		
100	16QAM	1	1	21.85	21.84	21.70	23.0	1.0
100	64QAM	1	1	20.42	20.52	20.42	21.5	2.5
100	256QAM	1	1	18.54	18.55	18.48	19.5	4.5
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	22.63	22.80	22.76	24.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	22.63	22.97	22.67	24.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	22.61	22.86	22.81	24.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	22.59	22.90	22.67	24.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	22.71	22.78	22.78	24.0	0.0



Par270 n77 HPUE								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	26.36	26.32	26.05	27.0	0.0
100	PI/2 BPSK	1	137	26.26	26.28	26.20		
100	PI/2 BPSK	1	271	26.21	26.29	26.13		
100	PI/2 BPSK	135	0	25.76	25.89	25.83	26.5	0.5
100	PI/2 BPSK	135	69	26.21	26.27	26.33	27.0	0.0
100	PI/2 BPSK	135	138	25.61	25.84	25.77	26.5	0.5
100	PI/2 BPSK	270	0	25.71	25.95	25.79		
100	QPSK	1	1	26.33	26.39	26.38	27.0	0.0
100	QPSK	1	137	26.31	26.38	26.08		
100	QPSK	1	271	26.11	26.37	26.05		
100	QPSK	135	0	25.22	25.41	25.28	26.0	1.0
100	QPSK	135	69	26.26	26.30	26.15	27.0	0.0
100	QPSK	135	138	25.40	25.53	25.31	26.0	1.0
100	QPSK	270	0	25.22	25.26	25.15		
100	16QAM	1	1	25.14	25.17	25.27	26.0	1.0
100	64QAM	1	1	23.81	23.90	23.79	24.5	2.5
100	256QAM	1	1	21.93	21.97	21.86	22.5	4.5
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	26.14	26.37	26.35	27.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	26.22	26.26	26.37	27.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	26.16	26.30	26.27	27.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	26.32	26.27	26.21	27.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	26.23	26.29	26.18	27.0	0.0



Part27Q n77								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		24.0	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		22.99		24.0	0.0
100	PI/2 BPSK	1	137		23.23			
100	PI/2 BPSK	1	271		23.26			
100	PI/2 BPSK	135	0		22.66		23.5	0.5
100	PI/2 BPSK	135	69		23.24		24.0	0.0
100	PI/2 BPSK	135	138		22.68		23.5	0.5
100	PI/2 BPSK	270	0		22.80			
100	QPSK	1	1		23.30		24.0	0.0
100	QPSK	1	137		23.27			
100	QPSK	1	271		23.07			
100	QPSK	135	0		22.16		23.0	1.0
100	QPSK	135	69		23.27		24.0	0.0
100	QPSK	135	138		22.21		23.0	1.0
100	QPSK	270	0		22.12			
100	16QAM	1	1		21.91		23.0	1.0
100	64QAM	1	1		20.55		21.5	2.5
100	256QAM	1	1		18.68		19.5	4.5
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	23.16	23.12	23.12	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	23.01	23.13	23.09	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	23.17	23.12	23.19	24.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	23.03	23.28	23.20	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	23.02	23.23	23.07	24.0	0.0



Part27Q n77 HPUE								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		27.0	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		26.32		27.0	0.0
100	PI/2 BPSK	1	137		26.53			
100	PI/2 BPSK	1	271		26.28			
100	PI/2 BPSK	135	0		25.90		26.5	0.5
100	PI/2 BPSK	135	69		26.60		27.0	0.0
100	PI/2 BPSK	135	138		26.15		26.5	0.5
100	PI/2 BPSK	270	0		25.98			
100	QPSK	1	1		26.62		27.0	0.0
100	QPSK	1	137		26.48			
100	QPSK	1	271		26.18			
100	QPSK	135	0		25.51		26.0	1.0
100	QPSK	135	69		26.52		27.0	0.0
100	QPSK	135	138		25.65		26.0	1.0
100	QPSK	270	0		25.42			
100	16QAM	1	1		25.57		26.0	1.0
100	64QAM	1	1		23.95		24.5	2.5
100	256QAM	1	1		22.06		22.5	4.5
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	26.44	26.58	26.37	27.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	26.39	26.44	26.41	27.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	26.40	26.49	26.33	27.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	26.44	26.60	26.38	27.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	26.35	26.46	26.35	27.0	0.0



Part270 n78								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		23.42		24.0	0.0
100	PI/2 BPSK	1	137		23.39			
100	PI/2 BPSK	1	271		23.44			
100	PI/2 BPSK	135	0		23.03		23.5	0.5
100	PI/2 BPSK	135	69		23.49		24.0	0.0
100	PI/2 BPSK	135	138		22.94		23.5	0.5
100	PI/2 BPSK	270	0		23.04			
100	QPSK	1	1		23.54		24.0	0.0
100	QPSK	1	137		23.38			
100	QPSK	1	271		23.31			
100	QPSK	135	0		22.40		23.0	1.0
100	QPSK	135	69		23.44		24.0	0.0
100	QPSK	135	138		22.30		23.0	1.0
100	QPSK	270	0		22.38			
100	16QAM	1	1		22.49		23.0	1.0
100	64QAM	1	1		21.07		21.5	2.5
100	256QAM	1	1		19.05		19.5	4.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	23.13	23.38	23.27	24.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	23.22	23.44	23.19	24.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	23.14	23.49	23.19	24.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	23.16	23.36	23.30	24.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	23.21	23.44	23.18	24.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	23.16	23.36	23.27	24.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	23.12	23.40	23.17	24.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	23.25	23.37	23.19	24.0	0.0





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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000	27.0	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		26.41			
100	PI/2 BPSK	1	137		26.57		26.5	0.5
100	PI/2 BPSK	1	271		26.29			
100	PI/2 BPSK	135	0		26.36			
100	PI/2 BPSK	135	69		26.31		26.5	0.5
100	PI/2 BPSK	135	138		25.85			
100	PI/2 BPSK	270	0		26.00			
100	QPSK	1	1		26.59		27.0	0.0
100	QPSK	1	137		26.54			
100	QPSK	1	271		26.23			
100	QPSK	135	0		25.81		26.0	1.0
100	QPSK	135	69		26.47			
100	QPSK	135	138		25.90			
100	QPSK	270	0		25.73		26.0	1.0
100	16QAM	1	1		25.65			
100	64QAM	1	1		24.29			
100	256QAM	1	1		22.14		22.5	4.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	26.48	26.54	26.56	27.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	26.52	26.47	26.51	27.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	26.50	26.46	26.48	27.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	26.57	26.56	26.45	27.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	26.50	26.55	26.57	27.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	26.41	26.43	26.56	27.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	26.45	26.51	26.51	27.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	26.41	26.49	26.44	27.0	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		23.16		24.0	0.0
100	PI/2 BPSK	1	137		23.27			
100	PI/2 BPSK	1	271		23.26			
100	PI/2 BPSK	135	0		22.87		23.5	0.5
100	PI/2 BPSK	135	69		23.32		24.0	0.0
100	PI/2 BPSK	135	138		22.72		23.5	0.5
100	PI/2 BPSK	270	0		22.78			
100	QPSK	1	1		23.35		24.0	0.0
100	QPSK	1	137		23.27			
100	QPSK	1	271		23.25			
100	QPSK	135	0		22.37		23.0	1.0
100	QPSK	135	69		23.31		24.0	0.0
100	QPSK	135	138		22.21		23.0	1.0
100	QPSK	270	0		22.25			
100	16QAM	1	1		22.16		23.0	1.0
100	64QAM	1	1		20.72		21.5	2.5
100	256QAM	1	1		18.61		19.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	23.18	23.31	23.17	24.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	23.31	23.18	23.26	24.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	23.20	23.26	23.23	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	23.15	23.24	23.11	24.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	23.20	23.28	23.21	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	23.30	23.28	23.24	24.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	23.31	23.34	23.12	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	23.26	23.18	23.07	24.0	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		27.0	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		26.22		27.0	0.0
100	PI/2 BPSK	1	137		26.36			
100	PI/2 BPSK	1	271		26.26		26.5	0.5
100	PI/2 BPSK	135	0		26.07			
100	PI/2 BPSK	135	69		26.38		27.0	0.0
100	PI/2 BPSK	135	138		25.99			
100	PI/2 BPSK	270	0		26.01		26.5	0.5
100	QPSK	1	1		26.45			
100	QPSK	1	137		26.40		27.0	0.0
100	QPSK	1	271		26.33			
100	QPSK	135	0		25.52		26.0	1.0
100	QPSK	135	69		26.42			
100	QPSK	135	138		25.48		26.0	1.0
100	QPSK	270	0		25.51			
100	16QAM	1	1		25.26		26.0	1.0
100	64QAM	1	1		24.01			
100	256QAM	1	1		21.93		22.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	26.31	26.54	26.47	27.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	26.45	26.60	26.44	27.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	26.30	26.61	26.44	27.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	26.45	26.50	26.55	27.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	26.31	26.48	26.42	27.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	26.37	26.53	26.40	27.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	26.43	26.62	26.54	27.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	26.37	26.58	26.54	27.0	0.0



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n41								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	21.0	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	19.97	19.94	20.02		
100	PI/2 BPSK	1	137	20.00	20.02	19.93	21.0	0.0
100	PI/2 BPSK	1	271	19.99	19.98	19.78		
100	PI/2 BPSK	135	0	19.75	19.92	19.98		
100	PI/2 BPSK	135	69	19.93	20.07	19.86	21.0	0.0
100	PI/2 BPSK	135	138	19.89	19.91	19.91	21.0	0.0
100	PI/2 BPSK	270	0	19.93	19.93	19.77		
100	QPSK	1	1	20.00	20.16	20.03		
100	QPSK	1	137	19.85	19.95	19.96	21.0	0.0
100	QPSK	1	271	20.00	19.81	19.69		
100	QPSK	135	0	19.70	19.89	19.72		
100	QPSK	135	69	19.82	19.96	19.93	21.0	0.0
100	QPSK	135	138	19.86	19.88	19.74	21.0	0.0
100	QPSK	270	0	19.81	19.86	19.57		
100	16QAM	1	1	19.97	20.03	20.02		
100	64QAM	1	1	20.09	20.08	19.89	21.0	0.0
100	256QAM	1	1	19.90	20.04	20.13	21.0	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	19.83	20.13	19.98	21.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	19.95	20.06	19.92	21.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	19.82	19.98	19.92	21.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	19.86	20.14	19.86	21.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	19.96	20.09	19.92	21.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	19.85	20.11	19.88	21.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	19.87	20.07	19.94	21.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	19.83	20.04	19.87	21.0	0.0



Par270 n77								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	20.08	20.05	20.19	21.0	0.0
100	PI/2 BPSK	1	137	20.16	20.18	20.02		
100	PI/2 BPSK	1	271	20.15	20.15	19.84		
100	PI/2 BPSK	135	0	19.90	20.00	20.07	21.0	0.0
100	PI/2 BPSK	135	69	20.06	20.23	19.88	21.0	0.0
100	PI/2 BPSK	135	138	20.01	20.08	20.00	21.0	0.0
100	PI/2 BPSK	270	0	20.00	20.02	19.86		
100	QPSK	1	1	20.05	20.28	20.12	21.0	0.0
100	QPSK	1	137	19.98	20.04	20.10		
100	QPSK	1	271	20.04	19.86	19.82		
100	QPSK	135	0	19.78	20.04	19.79	21.0	0.0
100	QPSK	135	69	19.91	20.08	19.99	21.0	0.0
100	QPSK	135	138	19.99	20.03	19.92	21.0	0.0
100	QPSK	270	0	19.84	20.01	19.67		
100	16QAM	1	1	20.07	20.11	20.19	21.0	0.0
100	64QAM	1	1	20.26	20.25	20.02	21.0	0.0
100	256QAM	1	1	19.43	19.57	19.51	20.5	0.5
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	19.90	20.17	20.00	21.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	19.88	20.22	19.96	21.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	19.96	20.24	20.08	21.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	20.01	20.19	20.05	21.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	19.92	20.15	19.97	21.0	0.0



Part27Q n77								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		21.0	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		20.33		21.0	0.0
100	PI/2 BPSK	1	137		20.32			
100	PI/2 BPSK	1	271		20.25			
100	PI/2 BPSK	135	0		20.29		21.0	0.0
100	PI/2 BPSK	135	69		20.22		21.0	0.0
100	PI/2 BPSK	135	138		20.27		21.0	0.0
100	PI/2 BPSK	270	0		20.28			
100	QPSK	1	1		20.45		21.0	0.0
100	QPSK	1	137		20.37			
100	QPSK	1	271		20.34			
100	QPSK	135	0		20.43		21.0	0.0
100	QPSK	135	69		20.36		21.0	0.0
100	QPSK	135	138		20.26		21.0	0.0
100	QPSK	270	0		20.30			
100	16QAM	1	1		20.33		21.0	0.0
100	64QAM	1	1		20.17		21.0	0.0
100	256QAM	1	1		19.53		20.0	1.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	20.19	20.25	20.17	21.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	20.24	20.34	20.26	21.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.21	20.35	20.21	21.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	20.24	20.21	20.16	21.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	20.25	20.26	20.12	21.0	0.0



Part270 n78								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		19.91		21.0	0.0
100	PI/2 BPSK	1	137		20.06			
100	PI/2 BPSK	1	271		19.89			
100	PI/2 BPSK	135	0		20.06		21.0	0.0
100	PI/2 BPSK	135	69		19.93		21.0	0.0
100	PI/2 BPSK	135	138		20.02		21.0	0.0
100	PI/2 BPSK	270	0		20.06			
100	QPSK	1	1		20.10		21.0	0.0
100	QPSK	1	137		20.07			
100	QPSK	1	271		20.00			
100	QPSK	135	0		19.96		21.0	0.0
100	QPSK	135	69		20.06		21.0	0.0
100	QPSK	135	138		20.01		21.0	0.0
100	QPSK	270	0		20.04			
100	16QAM	1	1		20.03		21.0	0.0
100	64QAM	1	1		19.91		21.0	0.0
100	256QAM	1	1		19.77		20.5	0.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	19.98	20.01	19.98	21.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	20.00	19.97	19.94	21.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	20.00	19.93	20.07	21.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	19.98	20.05	20.06	21.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	20.06	20.07	19.95	21.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	19.95	20.05	19.94	21.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	20.01	20.02	20.04	21.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	19.92	19.95	19.97	21.0	0.0



Part27Q 78								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		20.23		21.0	0.0
100	PI/2 BPSK	1	137		20.27			
100	PI/2 BPSK	1	271		20.12			
100	PI/2 BPSK	135	0		20.16		21.0	0.0
100	PI/2 BPSK	135	69		20.23		21.0	0.0
100	PI/2 BPSK	135	138		20.08		21.0	0.0
100	PI/2 BPSK	270	0		20.17			
100	QPSK	1	1		20.31		21.0	0.0
100	QPSK	1	137		20.27			
100	QPSK	1	271		20.14			
100	QPSK	135	0		20.42		21.0	0.0
100	QPSK	135	69		20.22		21.0	0.0
100	QPSK	135	138		20.17		21.0	0.0
100	QPSK	270	0		20.24			
100	16QAM	1	1		20.27		21.0	0.0
100	64QAM	1	1		20.10		21.0	0.0
100	256QAM	1	1		19.81		21.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	20.13	20.26	20.25	21.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	20.25	20.29	20.27	21.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	20.15	20.18	20.21	21.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	20.26	20.24	20.23	21.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	20.19	20.26	20.25	21.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.20	20.17	20.23	21.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	20.22	20.20	20.21	21.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	20.18	20.14	20.27	21.0	0.0





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n41								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	21.0	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	19.88	19.81	19.94		
100	PI/2 BPSK	1	137	19.97	19.87	19.87	21.0	0.0
100	PI/2 BPSK	1	271	19.88	19.93	19.63		
100	PI/2 BPSK	135	0	19.64	19.81	19.92		
100	PI/2 BPSK	135	69	19.82	19.92	19.77	21.0	0.0
100	PI/2 BPSK	135	138	19.84	19.82	19.82	21.0	0.0
100	PI/2 BPSK	270	0	19.83	19.91	19.69		
100	QPSK	1	1	19.89	20.08	19.99		
100	QPSK	1	137	19.67	19.81	19.90	21.0	0.0
100	QPSK	1	271	19.85	19.67	19.52		
100	QPSK	135	0	19.53	19.78	19.68		
100	QPSK	135	69	19.75	19.98	19.78	21.0	0.0
100	QPSK	135	138	19.79	19.77	19.59	21.0	0.0
100	QPSK	270	0	19.72	19.83	19.40		
100	16QAM	1	1	19.86	20.00	19.90		
100	64QAM	1	1	19.91	19.94	19.79	21.0	0.0
100	256QAM	1	1	19.80	19.92	20.01	21.0	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	19.72	19.95	19.82	21.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	19.81	19.92	19.93	21.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	19.82	19.92	19.86	21.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	19.77	19.95	19.91	21.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	19.78	20.03	19.96	21.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	19.83	19.93	19.94	21.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	19.85	19.93	19.87	21.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	19.78	19.99	19.95	21.0	0.0



Par270 n77								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	19.89	20.01	19.83	21.0	0.0
100	PI/2 BPSK	1	137	19.93	20.07	19.93		
100	PI/2 BPSK	1	271	19.82	19.84	19.80		
100	PI/2 BPSK	135	0	19.89	20.05	19.98	21.0	0.0
100	PI/2 BPSK	135	69	19.81	19.93	19.79	21.0	0.0
100	PI/2 BPSK	135	138	19.84	19.91	19.83	21.0	0.0
100	PI/2 BPSK	270	0	19.95	20.03	19.96		
100	QPSK	1	1	20.11	20.16	20.09	21.0	0.0
100	QPSK	1	137	19.99	20.05	19.91		
100	QPSK	1	271	19.89	20.07	19.90		
100	QPSK	135	0	20.02	20.09	20.07	21.0	0.0
100	QPSK	135	69	19.99	20.17	19.96	21.0	0.0
100	QPSK	135	138	19.84	19.96	19.92	21.0	0.0
100	QPSK	270	0	19.90	20.03	19.99		
100	16QAM	1	1	19.99	20.16	20.03	21.0	0.0
100	64QAM	1	1	19.90	19.94	19.92	21.0	0.0
100	256QAM	1	1	19.68	19.80	19.63	21.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	20.01	20.05	20.06	21.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	20.01	20.10	20.00	21.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	20.03	20.00	19.97	21.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	20.01	20.13	19.92	21.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	20.05	19.99	20.05	21.0	0.0



Part27Q n77								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		21.0	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		20.14		21.0	0.0
100	PI/2 BPSK	1	137		20.24			
100	PI/2 BPSK	1	271		20.06			
100	PI/2 BPSK	135	0		20.13		21.0	0.0
100	PI/2 BPSK	135	69		20.01		21.0	0.0
100	PI/2 BPSK	135	138		20.01		21.0	0.0
100	PI/2 BPSK	270	0		20.08			
100	QPSK	1	1		20.28		21.0	0.0
100	QPSK	1	137		20.08			
100	QPSK	1	271		20.23			
100	QPSK	135	0		20.12		21.0	0.0
100	QPSK	135	69		20.17		21.0	0.0
100	QPSK	135	138		20.00		21.0	0.0
100	QPSK	270	0		20.03			
100	16QAM	1	1		20.23		21.0	0.0
100	64QAM	1	1		20.06		21.0	0.0
100	256QAM	1	1		20.00		21.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	20.37	20.36	20.40	21.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	20.35	20.38	20.44	21.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.40	20.42	20.32	21.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	20.40	20.34	20.43	21.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	20.35	20.41	20.41	21.0	0.0



Part270 n78								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		20.22		21.0	0.0
100	PI/2 BPSK	1	137		20.37			
100	PI/2 BPSK	1	271		20.22			
100	PI/2 BPSK	135	0		20.30		21.0	0.0
100	PI/2 BPSK	135	69		20.17		21.0	0.0
100	PI/2 BPSK	135	138		20.07		21.0	0.0
100	PI/2 BPSK	270	0		20.14			
100	QPSK	1	1		20.38		21.0	0.0
100	QPSK	1	137		20.31			
100	QPSK	1	271		20.26			
100	QPSK	135	0		20.22		21.0	0.0
100	QPSK	135	69		20.27		21.0	0.0
100	QPSK	135	138		20.09		21.0	0.0
100	QPSK	270	0		20.12			
100	16QAM	1	1		20.31		21.0	0.0
100	64QAM	1	1		20.15		21.0	0.0
100	256QAM	1	1		19.34		20.0	1.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	20.32	20.22	20.30	21.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	20.23	20.35	20.28	21.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	20.23	20.23	20.20	21.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	20.31	20.32	20.36	21.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	20.29	20.25	20.23	21.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	20.23	20.21	20.20	21.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	20.24	20.36	20.33	21.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	20.23	20.31	20.30	21.0	0.0



Part27Q 78								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		20.18		21.0	0.0
100	PI/2 BPSK	1	137		20.29			
100	PI/2 BPSK	1	271		20.21			
100	PI/2 BPSK	135	0		20.19		21.0	0.0
100	PI/2 BPSK	135	69		20.03		21.0	0.0
100	PI/2 BPSK	135	138		20.07		21.0	0.0
100	PI/2 BPSK	270	0		20.24			
100	QPSK	1	1		20.33		21.0	0.0
100	QPSK	1	137		20.19			
100	QPSK	1	271		20.28			
100	QPSK	135	0		20.27		21.0	0.0
100	QPSK	135	69		20.29		21.0	0.0
100	QPSK	135	138		20.15		21.0	0.0
100	QPSK	270	0		20.15			
100	16QAM	1	1		20.26		21.0	0.0
100	64QAM	1	1		20.14		21.0	0.0
100	256QAM	1	1		20.10		21.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	19.99	20.19	20.14	21.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	20.07	20.22	20.17	21.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	20.07	20.13	20.03	21.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	20.11	20.17	20.09	21.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	20.13	20.11	20.07	21.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.05	20.20	20.11	21.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	20.04	20.10	20.15	21.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	20.09	20.18	20.06	21.0	0.0

**Default Power for Ant3 sensor on**

Par270 n77 HPUE								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	18.08	18.11	17.94	19.0	0.0
100	PI/2 BPSK	1	137	18.18	18.31	18.27		
100	PI/2 BPSK	1	271	18.16	18.23	18.19		
100	PI/2 BPSK	135	0	18.25	18.30	18.20	19.0	0.0
100	PI/2 BPSK	135	69	18.13	18.26	18.14	19.0	0.0
100	PI/2 BPSK	135	138	18.15	18.21	18.11	19.0	0.0
100	PI/2 BPSK	270	0	18.17	18.31	18.15		
100	QPSK	1	1	18.26	18.32	18.21	19.0	0.0
100	QPSK	1	137	18.09	18.24	18.10		
100	QPSK	1	271	18.08	18.17	18.07		
100	QPSK	135	0	18.04	18.21	18.11	19.0	0.0
100	QPSK	135	69	18.12	18.26	18.18	19.0	0.0
100	QPSK	135	138	18.10	18.19	18.04	19.0	0.0
100	QPSK	270	0	18.18	18.23	18.09		
100	16QAM	1	1	17.99	18.14	18.03	19.0	0.0
100	64QAM	1	1	18.03	18.20	18.06	19.0	0.0
100	256QAM	1	1	18.14	18.17	18.01	19.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	18.20	18.28	18.19	19.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	18.19	18.19	18.16	19.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	18.19	18.16	18.19	19.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	18.09	18.26	18.12	19.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	18.14	18.17	18.13	19.0	0.0



Part27Q n77 HPUE								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		18.42		19.0	0.0
100	PI/2 BPSK	1	137		18.46			
100	PI/2 BPSK	1	271		18.39			
100	PI/2 BPSK	135	0		18.29		18.5	0.5
100	PI/2 BPSK	135	69		18.45		19.0	0.0
100	PI/2 BPSK	135	138		18.42		18.5	0.5
100	PI/2 BPSK	270	0		18.47			
100	QPSK	1	1		18.51		19.0	0.0
100	QPSK	1	137		18.41			
100	QPSK	1	271		18.45			
100	QPSK	135	0		18.33		18.0	1.0
100	QPSK	135	69		18.48		19.0	0.0
100	QPSK	135	138		18.44		18.0	1.0
100	QPSK	270	0		18.45			
100	16QAM	1	1		18.28		18.0	1.0
100	64QAM	1	1		18.33		16.5	2.5
100	256QAM	1	1		18.39		14.5	4.5
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	18.38	18.39	18.37	19.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	18.46	18.41	18.33	19.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	18.46	18.34	18.35	19.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	18.45	18.43	18.49	19.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	18.43	18.37	18.37	19.0	0.0



Part270 n78 HPUE								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000	19.0	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		18.16			
100	PI/2 BPSK	1	137		18.40		19.0	0.0
100	PI/2 BPSK	1	271		18.27			
100	PI/2 BPSK	135	0		18.33			
100	PI/2 BPSK	135	69		18.39		19.0	0.0
100	PI/2 BPSK	135	138		18.21		19.0	0.0
100	PI/2 BPSK	270	0		18.30			
100	QPSK	1	1		18.42			
100	QPSK	1	137		18.29		19.0	0.0
100	QPSK	1	271		18.31			
100	QPSK	135	0		18.24			
100	QPSK	135	69		18.34		19.0	0.0
100	QPSK	135	138		18.29		19.0	0.0
100	QPSK	270	0		18.32			
100	16QAM	1	1		18.33			
100	64QAM	1	1		18.38		19.0	0.0
100	256QAM	1	1		18.29		19.0	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	18.26	18.39	18.30	19.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	18.35	18.34	18.36	19.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	18.35	18.38	18.24	19.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	18.31	18.35	18.27	19.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	18.32	18.34	18.26	19.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	18.26	18.26	18.33	19.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	18.32	18.28	18.29	19.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	18.31	18.27	18.29	19.0	0.0





Part27Q 78 HPU E								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		18.36		19.0	0.0
100	PI/2 BPSK	1	137		18.40			
100	PI/2 BPSK	1	271		18.32			
100	PI/2 BPSK	135	0		18.38		19.0	0.0
100	PI/2 BPSK	135	69		18.41		19.0	0.0
100	PI/2 BPSK	135	138		18.35		19.0	0.0
100	PI/2 BPSK	270	0		18.37			
100	QPSK	1	1		18.47		19.0	0.0
100	QPSK	1	137		18.37			
100	QPSK	1	271		18.42			
100	QPSK	135	0		18.35		19.0	0.0
100	QPSK	135	69		18.41		19.0	0.0
100	QPSK	135	138		18.34		19.0	0.0
100	QPSK	270	0		18.38			
100	16QAM	1	1		18.19		19.0	0.0
100	64QAM	1	1		18.23		19.0	0.0
100	256QAM	1	1		18.26		19.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	18.44	18.45	18.38	19.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	18.32	18.31	18.29	19.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	18.29	18.41	18.42	19.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	18.44	18.40	18.31	19.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	18.36	18.42	18.42	19.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	18.38	18.44	18.30	19.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	18.43	18.34	18.38	19.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	18.38	18.38	18.31	19.0	0.0

**Reduced Power Mode for DSI 0**

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n2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000	25.0	0.0
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	23.31	23.37	23.19		
20	PI/2 BPSK	1	53	23.17	23.37	23.17	24.5	0.5
20	PI/2 BPSK	1	104	23.10	23.27	23.11		
20	PI/2 BPSK	50	0	22.92	22.82	22.75		
20	PI/2 BPSK	50	28	23.33	23.34	23.23	24.5	0.5
20	PI/2 BPSK	50	56	22.72	22.82	22.75		
20	PI/2 BPSK	100	0	22.61	22.86	22.71		
20	QPSK	1	1	23.23	23.39	23.22	25.0	0.0
20	QPSK	1	53	23.14	23.27	23.07		
20	QPSK	1	104	23.10	23.33	23.06		
20	QPSK	50	0	22.34	22.29	22.26	24.0	1.0
20	QPSK	50	28	23.24	23.30	23.24		
20	QPSK	50	56	22.12	22.34	22.24		
20	QPSK	100	0	22.27	22.31	22.17	24.0	1.0
20	16QAM	1	1	22.20	22.29	22.15		
20	64QAM	1	1	20.91	21.11	20.98		
20	256QAM	1	1	18.98	18.97	18.88	20.5	4.5
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	23.13	23.27	23.16	25.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	23.17	23.24	23.09	25.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	23.05	23.29	23.05	25.0	0.0



n5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	25.0	0.0
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	24.23	24.27	24.23		
20	PI/2 BPSK	1	53	24.09	24.23	24.25	24.5	0.5
20	PI/2 BPSK	1	104	23.91	24.10	24.04		
20	PI/2 BPSK	50	0	23.71	23.66	23.79	25.0	0.0
20	PI/2 BPSK	50	28	24.16	24.08	24.03	24.5	0.5
20	PI/2 BPSK	50	56	23.50	23.64	23.58		
20	PI/2 BPSK	100	0	23.71	23.81	23.45	25.0	0.0
20	QPSK	1	1	24.12	24.36	24.29		
20	QPSK	1	53	24.09	24.09	24.02		
20	QPSK	1	104	23.93	24.03	23.90	24.0	1.0
20	QPSK	50	0	23.19	23.25	23.05		
20	QPSK	50	28	24.09	24.14	24.09	24.0	1.0
20	QPSK	50	56	23.05	23.07	22.98		
20	QPSK	100	0	23.05	23.19	23.07	24.0	1.0
20	16QAM	1	1	23.42	23.59	23.44		
20	64QAM	1	1	22.04	22.22	22.21	22.5	2.5
20	256QAM	1	1	19.84	20.01	19.79	20.5	4.5
Channel				166300	167300	168300	25.0	0.0
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.91	24.10	23.98	25.0	0.0
Channel				165800	167300	168800		
Frequency (MHz)				829	836.5	844	25.0	0.0
10	QPSK	1	1	23.91	24.10	24.09		
Channel				165300	167300	169300	25.0	0.0
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	23.80	24.15	23.93	25.0	0.0



n7								
BW [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				505000	507000	509000	24.0	0.0
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	23.33	23.38	23.35		
50	PI/2 BPSK	1	135	23.31	23.46	23.25	23.5	0.5
50	PI/2 BPSK	1	268	23.41	23.19	23.18		
50	PI/2 BPSK	135	0	22.79	22.84	22.83		
50	PI/2 BPSK	135	68	23.08	23.27	23.26	23.5	0.5
50	PI/2 BPSK	135	135	22.78	22.93	23.03		
50	PI/2 BPSK	270	0	22.90	23.02	22.82		
50	QPSK	1	1	23.37	23.47	23.26	24.0	0.0
50	QPSK	1	135	23.22	23.23	23.20		
50	QPSK	1	268	23.23	23.34	23.33		
50	QPSK	135	0	22.40	22.39	22.52	23.0	1.0
50	QPSK	135	68	23.17	23.36	23.16		
50	QPSK	135	135	22.43	22.44	22.29		
50	QPSK	270	0	22.44	22.45	22.33	23.0	1.0
50	16QAM	1	1	22.55	22.53	22.48		
50	64QAM	1	1	21.24	21.23	21.27		
50	256QAM	1	1	19.01	19.17	18.87	19.5	4.5
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	23.23	23.35	23.12	24.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	PI/2 BPSK	1	1	23.27	23.33	23.13	24.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	PI/2 BPSK	1	1	23.26	23.33	23.12	24.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	23.24	23.36	23.15	24.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	23.27	23.34	23.16	24.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	23.24	23.35	23.12	24.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	23.26	23.36	23.15	24.0	0.0

n12								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141300	141500	141700	24.0	0.0
Frequency (MHz)				706.5	707.5	708.5		
15	PI/2 BPSK	1	1	23.07	23.13	23.05		
15	PI/2 BPSK	1	40	23.18	23.12	22.89	23.5	0.5
15	PI/2 BPSK	1	77	23.09	23.12	23.02		
15	PI/2 BPSK	36	0	22.57	22.71	22.72		
15	PI/2 BPSK	36	22	23.12	23.21	22.99	23.5	0.0
15	PI/2 BPSK	36	43	22.73	22.61	22.60		
15	PI/2 BPSK	75	0	22.59	22.70	22.58		
15	QPSK	1	1	23.22	23.24	23.20	24.0	0.0
15	QPSK	1	40	23.16	23.20	22.98		
15	QPSK	1	77	22.87	23.07	23.05		
15	QPSK	36	0	22.19	22.29	22.14	23.0	1.0
15	QPSK	36	22	23.11	23.21	23.02		
15	QPSK	36	43	21.96	22.28	22.28		
15	QPSK	75	0	22.31	22.39	22.20	23.0	1.0
15	16QAM	1	1	22.46	22.53	22.15		
15	64QAM	1	1	21.03	20.88	20.94		
	256QAM	1	1	18.76	18.97	18.87	19.5	4.5
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	23.03	23.05	23.17	24.0	0.0
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	1	23.04	23.18	23.02	24.0	0.0

n13								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					156400		24.0	0.0
Frequency (MHz)					782			
10	PI/2 BPSK	1	1		23.12		24.0	0.0
10	PI/2 BPSK	1	26		23.16			
10	PI/2 BPSK	1	50		23.08			
10	PI/2 BPSK	25	0		22.68		23.5	0.5
10	PI/2 BPSK	25	14		23.14		24.0	0.0
10	PI/2 BPSK	25	27		22.71		23.5	0.5
10	PI/2 BPSK	50	0		22.73			
10	QPSK	1	1		23.25		24.0	0.0
10	QPSK	1	26		23.20			
10	QPSK	1	50		23.07			
10	QPSK	25	0		22.28		23.0	1.0
10	QPSK	25	14		23.19		24.0	0.0
10	QPSK	25	27		22.27		23.0	1.0
10	QPSK	50	0		22.36			
10	16QAM	1	1		22.51		23.0	1.0
10	64QAM	1	1		20.89		21.5	2.5
10	256QAM	1	1		18.99		19.5	4.5
Channel				155900	156400	156900	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	1	23.04	23.07	23.09	24.0	0.0

n14								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					158600		24.0	0.0
Frequency (MHz)					793			
10	PI/2 BPSK	1	1		23.16		24.0	0.0
10	PI/2 BPSK	1	26		23.08			
10	PI/2 BPSK	1	50		23.13			
10	PI/2 BPSK	25	0		22.71		23.5	0.5
10	PI/2 BPSK	25	14		23.14		24.0	0.0
10	PI/2 BPSK	25	27		22.61		23.5	0.5
10	PI/2 BPSK	50	0		22.70			
10	QPSK	1	1		23.22		24.0	0.0
10	QPSK	1	26		23.19			
10	QPSK	1	50		23.08			
10	QPSK	25	0		22.50		23.0	1.0
10	QPSK	25	14		23.20		24.0	0.0
10	QPSK	25	27		22.31		23.0	1.0
10	QPSK	50	0		22.29			
10	16QAM	1	1		22.53		23.0	1.0
10	64QAM	1	1		20.79		21.5	2.5
10	256QAM	1	1		18.97		19.5	4.5
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				790.5	793	795.5		
5	QPSK	1	1	23.10	23.08	23.11	24.0	0.0

n25								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376500	381000	25.0	0.0
Frequency (MHz)				1860	1882.5	1905		
20	PI/2 BPSK	1	1	23.52	23.72	23.46		
20	PI/2 BPSK	1	53	23.61	23.60	23.55	24.5	0.5
20	PI/2 BPSK	1	104	23.39	23.66	23.67		
20	PI/2 BPSK	50	0	23.18	23.31	23.23		
20	PI/2 BPSK	50	28	23.69	23.53	23.64	24.5	0.0
20	PI/2 BPSK	50	56	23.11	23.12	23.09		
20	PI/2 BPSK	100	0	23.10	23.23	23.15		
20	QPSK	1	1	23.76	23.87	23.83	25.0	0.0
20	QPSK	1	53	23.58	23.63	23.46		
20	QPSK	1	104	23.37	23.62	23.54		
20	QPSK	50	0	22.44	22.64	22.60	24.0	1.0
20	QPSK	50	28	23.59	23.84	23.62		
20	QPSK	50	56	22.84	22.90	22.64		
20	QPSK	100	0	22.62	22.97	22.82	24.0	1.0
20	16QAM	1	1	22.62	22.83	22.91		
20	64QAM	1	1	21.29	21.26	21.22		
20	256QAM	1	1	19.20	19.36	19.32	20.5	4.5
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	23.73	23.73	23.70	25.0	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	23.68	23.75	23.77	25.0	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	23.68	23.70	23.72	25.0	0.0





n66								
BW [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				345000	349000	353000	22.4	0.0
Frequency (MHz)				1725	1745	1765		
30	PI/2 BPSK	1	1	21.74	21.83	21.80		
30	PI/2 BPSK	1	80	21.72	21.88	21.82	22.4	0.0
30	PI/2 BPSK	1	158	21.72	21.86	21.78		
30	PI/2 BPSK	80	0	21.76	21.86	21.75		
30	PI/2 BPSK	80	40	21.76	21.86	21.83	22.4	0.0
30	PI/2 BPSK	80	80	21.67	21.78	21.67		
30	PI/2 BPSK	160	0	21.66	21.82	21.67		
30	QPSK	1	1	21.77	21.92	21.85	22.4	0.0
30	QPSK	1	80	21.68	21.76	21.59		
30	QPSK	1	158	21.69	21.79	21.68		
30	QPSK	80	0	21.79	21.77	21.77	22.4	0.0
30	QPSK	80	40	21.67	21.90	21.67		
30	QPSK	80	80	21.63	21.80	21.71		
30	QPSK	160	0	21.71	21.80	21.70	22.4	0.0
30	16QAM	1	1	21.78	21.84	21.67		
30	64QAM	1	1	21.74	21.80	21.69		
30	256QAM	1	1	19.61	19.72	19.68	20.5	1.9
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	21.67	21.83	21.78	22.4	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	21.60	21.87	21.74	22.4	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	21.69	21.76	21.68	22.4	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	21.74	21.90	21.68	22.4	0.0

n71								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	23.13	23.24	23.17	24.0	0.0
20	PI/2 BPSK	1	53	23.18	23.23	23.01		
20	PI/2 BPSK	1	104	23.17	23.16	23.09		
20	PI/2 BPSK	50	0	22.68	22.76	22.73	23.5	0.5
20	PI/2 BPSK	50	28	23.00	23.20	22.99	24.0	0.0
20	PI/2 BPSK	50	56	22.58	22.60	22.50	23.5	0.5
20	PI/2 BPSK	100	0	22.52	22.65	22.61		
20	QPSK	1	1	23.16	23.36	23.25	24.0	0.0
20	QPSK	1	53	23.00	23.08	23.07		
20	QPSK	1	104	22.93	22.94	23.12		
20	QPSK	50	0	22.17	22.23	22.17	23.0	1.0
20	QPSK	50	28	23.19	23.33	23.31	24.0	0.0
20	QPSK	50	56	22.21	22.05	22.02	23.0	1.0
20	QPSK	100	0	21.99	22.21	22.06		
20	16QAM	1	1	22.21	22.56	22.31	23.0	1.0
20	64QAM	1	1	20.66	20.99	20.85	21.5	2.5
20	256QAM	1	1	18.33	18.56	18.49	19.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	23.09	23.25	23.04	24.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	23.18	23.33	23.05	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	23.04	23.17	23.17	24.0	0.0



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n41								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	10.4	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	9.35	9.43	9.29		
100	PI/2 BPSK	1	137	9.35	9.40	9.36	10.4	0.0
100	PI/2 BPSK	1	271	9.21	9.35	9.30		
100	PI/2 BPSK	135	0	9.27	9.38	9.34		
100	PI/2 BPSK	135	69	9.28	9.41	9.33	10.4	0.0
100	PI/2 BPSK	135	138	9.25	9.35	9.30	10.4	0.0
100	PI/2 BPSK	270	0	9.31	9.38	9.34		
100	QPSK	1	1	9.41	9.46	9.38		
100	QPSK	1	137	9.26	9.40	9.28	10.4	0.0
100	QPSK	1	271	9.24	9.35	9.22		
100	QPSK	135	0	9.24	9.34	9.21		
100	QPSK	135	69	9.30	9.36	9.32	10.4	0.0
100	QPSK	135	138	9.26	9.35	9.28	10.4	0.0
100	QPSK	270	0	9.31	9.35	9.32		
100	16QAM	1	1	9.29	9.39	9.27		
100	64QAM	1	1	9.17	9.29	9.17	10.4	0.0
100	256QAM	1	1	9.19	9.33	9.25	10.4	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	9.28	9.37	9.27	10.4	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	9.32	9.37	9.24	10.4	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	9.31	9.35	9.24	10.4	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	9.33	9.38	9.31	10.4	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	9.26	9.35	9.33	10.4	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	9.35	9.43	9.28	10.4	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	9.28	9.42	9.26	10.4	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	9.34	9.31	9.27	10.4	0.0



Par270 n77								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	10.64	10.77	10.74	11.6	0.0
100	PI/2 BPSK	1	137	10.73	10.79	10.69		
100	PI/2 BPSK	1	271	10.73	10.82	10.69		
100	PI/2 BPSK	135	0	10.73	10.80	10.69	11.6	0.0
100	PI/2 BPSK	135	69	10.83	10.88	10.83	11.6	0.0
100	PI/2 BPSK	135	138	10.70	10.79	10.74	11.6	0.0
100	PI/2 BPSK	270	0	10.73	10.81	10.76		
100	QPSK	1	1	10.80	10.91	10.88	11.6	0.0
100	QPSK	1	137	10.83	10.86	10.71		
100	QPSK	1	271	10.74	10.87	10.79		
100	QPSK	135	0	10.74	10.78	10.72	11.6	0.0
100	QPSK	135	69	10.76	10.84	10.78	11.6	0.0
100	QPSK	135	138	10.74	10.81	10.68	11.6	0.0
100	QPSK	270	0	10.74	10.79	10.66		
100	16QAM	1	1	10.66	10.75	10.71	11.6	0.0
100	64QAM	1	1	10.70	10.85	10.73	11.6	0.0
100	256QAM	1	1	10.70	10.74	10.64	11.6	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	10.66	10.86	10.81	11.6	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	10.76	10.80	10.80	11.6	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	10.73	10.79	10.82	11.6	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	10.74	10.84	10.79	11.6	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	10.72	10.83	10.77	11.6	0.0

Part27Q n77								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		11.6	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		10.98			
100	PI/2 BPSK	1	137		10.88		11.6	0.0
100	PI/2 BPSK	1	271		11.00			
100	PI/2 BPSK	135	0		10.99			
100	PI/2 BPSK	135	69		10.87		11.6	0.0
100	PI/2 BPSK	135	138		11.01			
100	PI/2 BPSK	270	0		10.96			
100	QPSK	1	1		11.04		11.6	0.0
100	QPSK	1	137		11.01			
100	QPSK	1	271		10.92			
100	QPSK	135	0		10.91		11.6	0.0
100	QPSK	135	69		10.98			
100	QPSK	135	138		10.94			
100	QPSK	270	0		10.98		11.6	0.0
100	16QAM	1	1		10.95			
100	64QAM	1	1		10.98			
100	256QAM	1	1		10.90		11.6	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	10.94	11.01	10.94	11.6	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	10.88	10.90	10.95	11.6	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	11.00	11.00	10.92	11.6	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	11.01	11.02	10.88	11.6	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	11.00	11.00	10.94	11.6	0.0



Part270 n78								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000	11.6	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		10.95			
100	PI/2 BPSK	1	137		10.96		11.6	0.0
100	PI/2 BPSK	1	271		10.88			
100	PI/2 BPSK	135	0		10.98			
100	PI/2 BPSK	135	69		10.93		11.6	0.0
100	PI/2 BPSK	135	138		10.96			
100	PI/2 BPSK	270	0		11.00			
100	QPSK	1	1		11.06		11.6	0.0
100	QPSK	1	137		11.00			
100	QPSK	1	271		10.97			
100	QPSK	135	0		10.97		11.6	0.0
100	QPSK	135	69		11.04			
100	QPSK	135	138		10.99			
100	QPSK	270	0		10.99		11.6	0.0
100	16QAM	1	1		11.00			
100	64QAM	1	1		10.95			
100	256QAM	1	1		10.91		11.6	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	10.92	10.91	10.96	11.6	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	10.92	10.94	11.04	11.6	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	11.00	10.98	11.00	11.6	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	10.95	10.95	10.91	11.6	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	10.97	10.92	10.97	11.6	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	10.97	11.02	10.96	11.6	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	10.92	11.00	11.01	11.6	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	10.93	10.97	10.99	11.6	0.0



Part27Q 78								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		11.6	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		10.84			
100	PI/2 BPSK	1	137		10.97		11.6	0.0
100	PI/2 BPSK	1	271		10.84			
100	PI/2 BPSK	135	0		10.86			
100	PI/2 BPSK	135	69		10.86		11.6	0.0
100	PI/2 BPSK	135	138		10.95		11.6	0.0
100	PI/2 BPSK	270	0		10.91			
100	QPSK	1	1		10.99			
100	QPSK	1	137		10.93		11.6	0.0
100	QPSK	1	271		10.95			
100	QPSK	135	0		10.82			
100	QPSK	135	69		10.88		11.6	0.0
100	QPSK	135	138		10.79		11.6	0.0
100	QPSK	270	0		10.93			
100	16QAM	1	1		10.94			
100	64QAM	1	1		10.88		11.6	0.0
100	256QAM	1	1		10.83		11.6	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	10.94	10.95	10.90	11.6	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	10.92	10.83	10.85	11.6	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	10.95	10.91	10.89	11.6	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	10.95	10.88	10.83	11.6	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	10.92	10.82	10.97	11.6	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	10.96	10.93	10.96	11.6	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	10.89	10.89	10.96	11.6	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	10.87	10.94	10.96	11.6	0.0



<Ant2>

n2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	23.36	23.57	23.63	25.0	0.0
20	PI/2 BPSK	1	53	23.50	23.59	23.40		
20	PI/2 BPSK	1	104	23.48	23.60	23.43		
20	PI/2 BPSK	50	0	22.99	23.22	22.89	24.5	0.5
20	PI/2 BPSK	50	28	23.53	23.70	23.55	25.0	0.0
20	PI/2 BPSK	50	56	22.88	23.03	22.98	24.5	0.5
20	PI/2 BPSK	100	0	22.95	23.21	23.16		
20	QPSK	1	1	23.61	23.74	23.65	25.0	0.0
20	QPSK	1	53	23.46	23.54	23.35		
20	QPSK	1	104	23.10	23.17	23.04		
20	QPSK	50	0	22.39	22.65	22.59	24.0	1.0
20	QPSK	50	28	23.50	23.56	23.31	25.0	0.0
20	QPSK	50	56	22.31	22.52	22.57	24.0	1.0
20	QPSK	100	0	22.58	22.71	22.53		
20	16QAM	1	1	22.36	22.28	22.33	24.0	1.0
20	64QAM	1	1	21.30	21.47	21.36	22.5	2.5
20	256QAM	1	1	19.31	19.49	19.37	20.5	4.5
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	23.54	23.59	23.58	25.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	23.55	23.56	23.51	25.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	23.52	23.63	23.47	25.0	0.0



n5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	24.33	24.39	24.30	25.0	0.0
20	PI/2 BPSK	1	53	24.22	24.32	24.16		
20	PI/2 BPSK	1	104	23.98	24.14	24.06		
20	PI/2 BPSK	50	0	23.89	23.91	23.87	24.5	0.5
20	PI/2 BPSK	50	28	24.30	24.33	24.27	25.0	0.0
20	PI/2 BPSK	50	56	23.76	23.79	23.74	24.5	0.5
20	PI/2 BPSK	100	0	23.69	23.84	23.80		
20	QPSK	1	1	24.43	24.51	24.38	25.0	0.0
20	QPSK	1	53	24.18	24.34	24.23		
20	QPSK	1	104	24.04	24.12	24.02		
20	QPSK	50	0	23.38	23.44	23.39	24.0	1.0
20	QPSK	50	28	24.30	24.36	24.18	25.0	0.0
20	QPSK	50	56	23.24	23.28	23.16	24.0	1.0
20	QPSK	100	0	23.25	23.34	23.29		
20	16QAM	1	1	23.22	23.39	23.25	24.0	1.0
20	64QAM	1	1	22.13	22.30	22.24	22.5	2.5
20	256QAM	1	1	20.09	20.26	20.15	20.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	24.38	24.48	24.35	25.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	24.40	24.41	24.28	25.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	24.34	24.35	24.26	25.0	0.0



n7								
BW [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				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	22.57	22.68	22.47	24.0	0.0
50	PI/2 BPSK	1	135	22.75	22.88	22.87		
50	PI/2 BPSK	1	268	22.59	22.68	22.50		
50	PI/2 BPSK	135	0	22.31	22.43	22.31	23.5	0.5
50	PI/2 BPSK	135	68	22.51	22.76	22.72	24.0	0.0
50	PI/2 BPSK	135	135	22.14	22.20	22.19	23.5	0.5
50	PI/2 BPSK	270	0	22.05	22.22	22.17		
50	QPSK	1	1	22.56	23.02	22.88	24.0	0.0
50	QPSK	1	135	22.79	22.94	22.85		
50	QPSK	1	268	22.65	22.70	22.64		
50	QPSK	135	0	21.68	21.91	21.74	23.0	1.0
50	QPSK	135	68	22.51	22.93	22.75	24.0	0.0
50	QPSK	135	135	21.66	21.86	21.71	23.0	1.0
50	QPSK	270	0	21.91	21.95	21.68		
50	16QAM	1	1	21.98	22.03	21.92	23.0	1.0
50	64QAM	1	1	20.21	20.34	20.37	21.5	2.5
50	256QAM	1	1	18.51	18.48	18.61	19.5	4.5
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	22.64	22.88	22.83	24.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	22.66	22.93	22.83	24.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	22.63	22.88	22.86	24.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	22.66	22.97	22.76	24.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	22.66	22.93	22.85	24.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	22.56	22.97	22.79	24.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	22.67	22.98	22.81	24.0	0.0



n25								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	PI/2 BPSK	1	1	23.83	24.05	23.87	25.0	0.0
20	PI/2 BPSK	1	53	23.84	24.10	23.92		
20	PI/2 BPSK	1	104	23.80	24.10	23.88		
20	PI/2 BPSK	50	0	23.33	23.56	23.48	24.5	0.5
20	PI/2 BPSK	50	28	24.00	23.98	23.91	25.0	0.0
20	PI/2 BPSK	50	56	23.35	23.44	23.29	24.5	0.5
20	PI/2 BPSK	100	0	23.28	23.48	23.23		
20	QPSK	1	1	24.07	24.28	24.18	25.0	0.0
20	QPSK	1	53	24.08	24.10	24.09		
20	QPSK	1	104	23.84	24.01	23.91		
20	QPSK	50	0	23.01	23.29	23.14	24.0	1.0
20	QPSK	50	28	23.98	24.12	23.98	25.0	0.0
20	QPSK	50	56	23.00	23.09	23.05	24.0	1.0
20	QPSK	100	0	23.08	23.19	23.04		
20	16QAM	1	1	23.11	23.34	23.43	24.0	1.0
20	64QAM	1	1	21.69	21.79	21.60	22.5	2.5
20	256QAM	1	1	19.70	19.88	19.76	20.5	4.5
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	23.97	24.17	24.07	25.0	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	23.97	24.21	24.12	25.0	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	23.94	24.15	24.13	25.0	0.0



n66								
BW [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				345000	349000	353000	25.0	0.0
Frequency (MHz)				1725	1745	1765		
30	PI/2 BPSK	1	1	24.08	24.12	23.97		
30	PI/2 BPSK	1	80	23.85	23.98	23.86	24.5	0.5
30	PI/2 BPSK	1	158	23.74	23.93	23.85		
30	PI/2 BPSK	80	0	23.53	23.66	23.51		
30	PI/2 BPSK	80	40	23.85	24.02	23.93	25.0	0.0
30	PI/2 BPSK	80	80	23.54	23.64	23.46		
30	PI/2 BPSK	160	0	23.41	23.61	23.47		
30	QPSK	1	1	23.99	24.18	24.08	24.5	0.5
30	QPSK	1	80	24.03	24.06	23.89		
30	QPSK	1	158	23.92	24.01	23.83		
30	QPSK	80	0	23.11	23.22	23.09	25.0	1.0
30	QPSK	80	40	23.80	23.98	23.90		
30	QPSK	80	80	23.01	23.15	23.14		
30	QPSK	160	0	23.09	23.20	23.07	24.0	1.0
30	16QAM	1	1	23.14	23.16	23.09		
30	64QAM	1	1	21.39	21.51	21.43		
30	256QAM	1	1	19.41	19.48	19.32	20.5	4.5
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	23.90	24.04	23.94	25.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.95	24.16	24.02	25.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.86	24.09	24.02	25.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.86	24.03	24.01	25.0	0.0



n38								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	23.09	23.21	22.88	24.0	0.0
40	PI/2 BPSK	1	53	23.05	22.96	22.97		
40	PI/2 BPSK	1	104	23.00	23.11	23.10		
40	PI/2 BPSK	50	0	22.57	22.74	22.69	23.5	0.5
40	PI/2 BPSK	50	28	23.05	23.15	23.13	24.0	0.0
40	PI/2 BPSK	50	56	22.70	22.72	22.72	23.5	0.5
40	PI/2 BPSK	100	0	22.67	22.72	22.80		
40	QPSK	1	1	23.08	23.25	23.10	24.0	0.0
40	QPSK	1	53	22.89	23.09	22.96		
40	QPSK	1	104	22.90	23.24	23.12		
40	QPSK	50	0	22.23	22.12	22.14	23.0	1.0
40	QPSK	50	28	23.02	23.22	22.96	24.0	0.0
40	QPSK	50	56	21.97	22.25	22.14	23.0	1.0
40	QPSK	100	0	22.25	22.32	22.14		
40	16QAM	1	1	22.29	22.50	22.30	23.0	1.0
40	64QAM	1	1	20.68	20.91	20.68	21.5	2.5
40	256QAM	1	1	18.77	18.81	18.78	19.5	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	23.06	23.09	22.95	24.0	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	23.06	23.21	23.02	24.0	0.0



n41								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	24.0	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	23.22	23.07	23.13		
100	PI/2 BPSK	1	137	23.07	23.08	22.88	23.5	0.5
100	PI/2 BPSK	1	271	23.27	23.01	22.99		
100	PI/2 BPSK	135	0	22.62	22.67	22.50		
100	PI/2 BPSK	135	69	23.19	23.20	23.19	23.5	0.5
100	PI/2 BPSK	135	138	22.60	22.72	22.69		
100	PI/2 BPSK	270	0	22.67	22.57	22.57		
100	QPSK	1	1	23.16	23.31	23.24	24.0	0.0
100	QPSK	1	137	22.96	23.01	23.10		
100	QPSK	1	271	22.93	23.01	22.78		
100	QPSK	135	0	22.34	22.29	22.15	23.0	1.0
100	QPSK	135	69	23.18	23.23	22.99		
100	QPSK	135	138	22.08	22.13	22.25		
100	QPSK	270	0	22.14	22.25	22.09	23.0	1.0
100	16QAM	1	1	22.41	22.48	22.23		
100	64QAM	1	1	20.66	20.85	20.86		
100	256QAM	1	1	18.52	18.86	18.73	19.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	23.07	23.25	23.18	24.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	23.04	23.22	23.09	24.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	23.03	23.26	23.13	24.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	23.09	23.13	23.15	24.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	23.08	23.23	23.11	24.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	23.08	23.18	23.18	24.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	23.10	23.21	23.20	24.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	23.03	23.28	23.12	24.0	0.0



n41 HPUE								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	27.0	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	25.47	25.66	25.48		
100	PI/2 BPSK	1	137	25.31	25.37	25.17	26.5	0.5
100	PI/2 BPSK	1	271	25.32	25.40	25.26		
100	PI/2 BPSK	135	0	24.96	25.20	25.08		
100	PI/2 BPSK	135	69	25.37	25.58	25.45	27.0	0.0
100	PI/2 BPSK	135	138	25.05	24.98	24.82	26.5	0.5
100	PI/2 BPSK	270	0	24.80	24.97	25.00		
100	QPSK	1	1	25.53	25.71	25.51		
100	QPSK	1	137	25.33	25.38	25.50	27.0	0.0
100	QPSK	1	271	25.38	25.48	25.23		
100	QPSK	135	0	24.38	24.53	24.40		
100	QPSK	135	69	25.51	25.64	25.50	27.0	0.0
100	QPSK	135	138	24.43	24.53	24.36	26.0	1.0
100	QPSK	270	0	24.46	24.55	24.46		
100	16QAM	1	1	24.77	24.69	24.72		
100	64QAM	1	1	23.16	23.18	23.17	24.5	2.5
100	256QAM	1	1	21.24	21.33	21.42	22.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	25.30	25.63	25.33	27.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	25.30	25.68	25.37	27.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	25.36	25.60	25.38	27.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	25.33	25.54	25.49	27.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	25.25	25.57	25.35	27.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	25.37	25.59	25.35	27.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	25.32	25.67	25.42	27.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	25.51	25.56	25.53	27.0	0.0

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n48								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332	22.3	0.0
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	21.13	21.18	21.08		
40	PI/2 BPSK	1	53	21.13	21.20	21.05	22.3	0.0
40	PI/2 BPSK	1	104	20.99	21.07	20.98		
40	PI/2 BPSK	50	0	21.07	21.13	21.01		
40	PI/2 BPSK	50	28	21.01	21.15	21.08	22.3	0.0
40	PI/2 BPSK	50	56	21.16	21.19	21.04	22.3	0.0
40	PI/2 BPSK	100	0	21.02	21.12	20.99		
40	QPSK	1	1	21.17	21.36	21.09		
40	QPSK	1	53	21.05	21.10	21.03	22.3	0.0
40	QPSK	1	104	21.18	21.24	21.19		
40	QPSK	50	0	20.95	21.09	21.05		
40	QPSK	50	28	21.06	21.20	21.08	22.3	0.0
40	QPSK	50	56	21.05	21.11	21.03	22.3	0.0
40	QPSK	100	0	21.08	21.17	21.04		
40	16QAM	1	1	21.11	21.17	21.05		
40	64QAM	1	1	21.06	21.13	20.99	21.0	1.3
40	256QAM	1	1	19.18	19.31	19.23	20.0	2.3
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	21.04	21.19	20.94	22.3	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	21.10	21.21	20.94	22.3	0.0



Par270 n77 PC2&3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	22.1	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	20.63	20.79	20.65		
100	PI/2 BPSK	1	137	20.58	20.69	20.59	22.1	0.0
100	PI/2 BPSK	1	271	20.51	20.66	20.63		
100	PI/2 BPSK	135	0	20.47	20.62	20.46		
100	PI/2 BPSK	135	69	20.69	20.74	20.67	22.1	0.0
100	PI/2 BPSK	135	138	20.55	20.71	20.67		
100	PI/2 BPSK	270	0	20.50	20.67	20.65		
100	QPSK	1	1	20.78	20.82	20.74	22.1	0.0
100	QPSK	1	137	20.73	20.78	20.73		
100	QPSK	1	271	20.67	20.71	20.64		
100	QPSK	135	0	20.69	20.71	20.56	22.1	0.0
100	QPSK	135	69	20.65	20.74	20.58		
100	QPSK	135	138	20.62	20.70	20.53		
100	QPSK	270	0	20.67	20.72	20.55	22.1	0.0
100	16QAM	1	1	20.71	20.73	20.60		
100	64QAM	1	1	20.53	20.67	20.62		
100	256QAM	1	1	20.46	20.63	20.52	22.1	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	20.67	20.69	20.62	22.1	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	20.70	20.69	20.57	22.1	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	20.63	20.72	20.69	22.1	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	20.71	20.66	20.68	22.1	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	20.74	20.74	20.66	22.1	0.0

Part27Q n77 PC2&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					633334		22.1	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1	20.65	20.80	20.74	22.1	0.0
100	PI/2 BPSK	1	137	20.72	20.76	20.63		
100	PI/2 BPSK	1	271	20.61	20.74	20.67		
100	PI/2 BPSK	135	0	20.55	20.71	20.58	22.1	0.0
100	PI/2 BPSK	135	69	20.72	20.75	20.58	22.1	0.0
100	PI/2 BPSK	135	138	20.83	20.85	20.69	22.1	0.0
100	PI/2 BPSK	270	0	20.76	20.81	20.66		
100	QPSK	1	1	20.75	20.88	20.71	22.1	0.0
100	QPSK	1	137	20.70	20.85	20.76		
100	QPSK	1	271	20.68	20.81	20.77		
100	QPSK	135	0	20.67	20.70	20.58	22.1	0.0
100	QPSK	135	69	20.71	20.76	20.72	22.1	0.0
100	QPSK	135	138	20.62	20.72	20.70	22.1	0.0
100	QPSK	270	0	20.78	20.81	20.72		
100	16QAM	1	1	20.68	20.80	20.71	22.1	0.0
100	64QAM	1	1	20.64	20.76	20.61	22.1	0.0
100	256QAM	1	1	20.63	20.71	20.56	22.1	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	20.67	20.71	20.65	22.1	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	20.60	20.72	20.61	22.1	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.63	20.81	20.61	22.1	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	20.70	20.71	20.65	22.1	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	20.62	20.85	20.66	22.1	0.0



Part270 n78 PC2&3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000	22.1	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1	20.68	20.78	20.72		
100	PI/2 BPSK	1	137	20.58	20.70	20.68	22.1	0.0
100	PI/2 BPSK	1	271	20.55	20.72	20.57		
100	PI/2 BPSK	135	0	20.70	20.77	20.71		
100	PI/2 BPSK	135	69	20.68	20.74	20.57	22.1	0.0
100	PI/2 BPSK	135	138	20.60	20.66	20.61		
100	PI/2 BPSK	270	0	20.64	20.75	20.58		
100	QPSK	1	1	20.74	20.85	20.81	22.1	0.0
100	QPSK	1	137	20.53	20.69	20.60		
100	QPSK	1	271	20.70	20.79	20.73		
100	QPSK	135	0	20.72	20.81	20.72	22.1	0.0
100	QPSK	135	69	20.78	20.83	20.68		
100	QPSK	135	138	20.64	20.71	20.61		
100	QPSK	270	0	20.70	20.76	20.67	22.1	0.0
100	16QAM	1	1	20.77	20.82	20.78		
100	64QAM	1	1	20.71	20.75	20.63		
100	256QAM	1	1	20.62	20.69	20.66	22.1	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	20.65	20.76	20.77	22.1	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	20.59	20.77	20.65	22.1	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	20.69	20.73	20.76	22.1	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	20.58	20.82	20.65	22.1	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	20.61	20.76	20.75	22.1	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	20.63	20.73	20.76	22.1	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	20.63	20.69	20.64	22.1	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	20.72	20.76	20.75	22.1	0.0



Part27Q 78 PC2&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					633334		22.1	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1	20.64	20.69	20.62		
100	PI/2 BPSK	1	137	20.60	20.66	20.59	22.1	0.0
100	PI/2 BPSK	1	271	20.49	20.61	20.53		
100	PI/2 BPSK	135	0	20.49	20.58	20.50		
100	PI/2 BPSK	135	69	20.60	20.69	20.56	22.1	0.0
100	PI/2 BPSK	135	138	20.40	20.57	20.46		
100	PI/2 BPSK	270	0	20.63	20.66	20.56		
100	QPSK	1	1	20.62	20.73	20.66	22.1	0.0
100	QPSK	1	137	20.52	20.62	20.56		
100	QPSK	1	271	20.46	20.59	20.50		
100	QPSK	135	0	20.59	20.61	20.47	22.1	0.0
100	QPSK	135	69	20.50	20.66	20.54		
100	QPSK	135	138	20.55	20.64	20.60		
100	QPSK	270	0	20.56	20.60	20.46	22.1	0.0
100	16QAM	1	1	20.56	20.63	20.57		
100	64QAM	1	1	20.48	20.59	20.52		
100	256QAM	1	1	20.38	20.52	20.46	22.1	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	20.55	20.67	20.60	22.1	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	20.47	20.61	20.57	22.1	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	20.59	20.67	20.59	22.1	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	20.50	20.57	20.59	22.1	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	20.49	20.59	20.57	22.1	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.57	20.71	20.58	22.1	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	20.47	20.58	20.55	22.1	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	20.54	20.66	20.63	22.1	0.0



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n41								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	14.6	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	13.62	13.79	13.65		
100	PI/2 BPSK	1	137	13.64	13.71	13.67	14.6	0.0
100	PI/2 BPSK	1	271	13.70	13.74	13.58		
100	PI/2 BPSK	135	0	13.62	13.76	13.74		
100	PI/2 BPSK	135	69	13.69	13.73	13.66	14.6	0.0
100	PI/2 BPSK	135	138	13.71	13.74	13.62	14.6	0.0
100	PI/2 BPSK	270	0	13.66	13.70	13.53		
100	QPSK	1	1	13.75	13.88	13.82		
100	QPSK	1	137	13.80	13.83	13.71	14.6	0.0
100	QPSK	1	271	13.71	13.73	13.58		
100	QPSK	135	0	13.57	13.72	13.60		
100	QPSK	135	69	13.69	13.75	13.71	14.6	0.0
100	QPSK	135	138	13.62	13.65	13.71	14.6	0.0
100	QPSK	270	0	13.73	13.74	13.71		
100	16QAM	1	1	13.76	13.82	13.76		
100	64QAM	1	1	13.62	13.76	13.66	14.6	0.0
100	256QAM	1	1	13.61	13.71	13.63	14.6	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	13.63	13.81	13.67	14.6	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	13.59	13.74	13.77	14.6	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	13.68	13.80	13.71	14.6	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	13.72	13.77	13.73	14.6	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	13.66	13.76	13.74	14.6	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	13.69	13.84	13.67	14.6	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	13.59	13.84	13.73	14.6	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	13.61	13.75	13.72	14.6	0.0

Par270 n77								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	12.7	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	11.35	11.45	11.32		
100	PI/2 BPSK	1	137	11.32	11.47	11.38	12.7	0.0
100	PI/2 BPSK	1	271	11.36	11.44	11.28		
100	PI/2 BPSK	135	0	11.23	11.35	11.30		
100	PI/2 BPSK	135	69	11.40	11.43	11.34	12.7	0.0
100	PI/2 BPSK	135	138	11.37	11.43	11.38		
100	PI/2 BPSK	270	0	11.28	11.37	11.33		
100	QPSK	1	1	11.42	11.49	11.36	12.7	0.0
100	QPSK	1	137	11.31	11.42	11.28		
100	QPSK	1	271	11.34	11.46	11.40		
100	QPSK	135	0	11.26	11.41	11.27	12.7	0.0
100	QPSK	135	69	11.31	11.45	11.42		
100	QPSK	135	138	11.23	11.37	11.26		
100	QPSK	270	0	11.32	11.43	11.33	12.7	0.0
100	16QAM	1	1	11.31	11.33	11.23		
100	64QAM	1	1	11.37	11.42	11.27		
100	256QAM	1	1	11.25	11.38	11.33	12.7	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	11.38	11.42	11.30	12.7	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	11.26	11.36	11.21	12.7	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	11.32	11.39	11.27	12.7	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	11.40	11.40	11.25	12.7	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	11.30	11.41	11.20	12.7	0.0



Part27Q n77								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		12.7	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		11.01		12.7	0.0
100	PI/2 BPSK	1	137		11.16			
100	PI/2 BPSK	1	271		11.03			
100	PI/2 BPSK	135	0		11.01		12.7	0.0
100	PI/2 BPSK	135	69		11.03		12.7	0.0
100	PI/2 BPSK	135	138		11.05		12.7	0.0
100	PI/2 BPSK	270	0		11.14			
100	QPSK	1	1		11.18		12.7	0.0
100	QPSK	1	137		11.05			
100	QPSK	1	271		11.14			
100	QPSK	135	0		11.01		12.7	0.0
100	QPSK	135	69		11.09		12.7	0.0
100	QPSK	135	138		11.00		12.7	0.0
100	QPSK	270	0		11.06			
100	16QAM	1	1		11.16		12.7	0.0
100	64QAM	1	1		11.03		12.7	0.0
100	256QAM	1	1		11.01		12.7	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	11.07	11.14	11.01	12.7	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	11.03	11.05	11.15	12.7	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	11.13	11.08	11.02	12.7	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	11.07	11.05	11.06	12.7	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	11.02	11.12	11.11	12.7	0.0



Part270 n78								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000	12.7	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		11.32			
100	PI/2 BPSK	1	137		11.24		12.7	0.0
100	PI/2 BPSK	1	271		11.27			
100	PI/2 BPSK	135	0		11.33			
100	PI/2 BPSK	135	69		11.30		12.7	0.0
100	PI/2 BPSK	135	138		11.27		12.7	0.0
100	PI/2 BPSK	270	0		11.21			
100	QPSK	1	1		11.38			
100	QPSK	1	137		11.24		12.7	0.0
100	QPSK	1	271		11.35			
100	QPSK	135	0		11.22			
100	QPSK	135	69		11.31		12.7	0.0
100	QPSK	135	138		11.23		12.7	0.0
100	QPSK	270	0		11.31			
100	16QAM	1	1		11.35			
100	64QAM	1	1		11.27		12.7	0.0
100	256QAM	1	1		11.24		12.7	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	11.30	11.25	11.26	12.7	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	11.35	11.31	11.30	12.7	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	11.32	11.30	11.30	12.7	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	11.23	11.23	11.28	12.7	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	11.34	11.36	11.33	12.7	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	11.22	11.36	11.23	12.7	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	11.30	11.28	11.31	12.7	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	11.36	11.25	11.27	12.7	0.0





Part27Q 78								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		12.7	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		11.40			
100	PI/2 BPSK	1	137		11.35		12.7	0.0
100	PI/2 BPSK	1	271		11.41			
100	PI/2 BPSK	135	0		11.34			
100	PI/2 BPSK	135	69		11.42		12.7	0.0
100	PI/2 BPSK	135	138		11.35			
100	PI/2 BPSK	270	0		11.40			
100	QPSK	1	1		11.49		12.7	0.0
100	QPSK	1	137		11.32			
100	QPSK	1	271		11.34			
100	QPSK	135	0		11.33		12.7	0.0
100	QPSK	135	69		11.42			
100	QPSK	135	138		11.34			
100	QPSK	270	0		11.44		12.7	0.0
100	16QAM	1	1		11.45			
100	64QAM	1	1		11.41			
100	256QAM	1	1		11.32		12.7	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	11.34	11.36	11.34	12.7	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	11.37	11.45	11.40	12.7	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	11.45	11.39	11.43	12.7	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	11.38	11.38	11.42	12.7	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	11.36	11.37	11.34	12.7	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	11.35	11.39	11.40	12.7	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	11.40	11.42	11.45	12.7	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	11.41	11.37	11.37	12.7	0.0



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n41								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	12.9	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	11.93	11.99	11.94		
100	PI/2 BPSK	1	137	11.84	11.90	11.82	12.9	0.0
100	PI/2 BPSK	1	271	11.77	11.91	11.79		
100	PI/2 BPSK	135	0	11.94	12.00	11.85		
100	PI/2 BPSK	135	69	11.81	11.97	11.85	12.9	0.0
100	PI/2 BPSK	135	138	11.82	11.96	11.82	12.9	0.0
100	PI/2 BPSK	270	0	11.86	11.90	11.74		
100	QPSK	1	1	12.00	12.04	11.93		
100	QPSK	1	137	11.88	11.97	11.87	12.9	0.0
100	QPSK	1	271	11.85	12.02	12.00		
100	QPSK	135	0	11.94	11.99	11.90		
100	QPSK	135	69	11.86	12.01	11.90	12.9	0.0
100	QPSK	135	138	11.81	11.91	11.78	12.9	0.0
100	QPSK	270	0	11.79	11.87	11.76		
100	16QAM	1	1	11.87	11.97	11.83		
100	64QAM	1	1	11.89	11.94	11.86	12.9	0.0
100	256QAM	1	1	11.80	11.86	11.82	12.9	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	11.88	11.88	11.87	12.9	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	11.85	12.01	11.85	12.9	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	11.92	11.97	11.86	12.9	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	11.96	12.00	11.88	12.9	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	11.94	11.90	11.79	12.9	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	11.97	11.98	11.79	12.9	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	11.84	11.90	11.88	12.9	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	11.90	12.01	11.81	12.9	0.0

Par270 n77								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	14.1	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	12.85	12.93	12.78		
100	PI/2 BPSK	1	137	12.68	12.84	12.75	14.1	0.0
100	PI/2 BPSK	1	271	12.84	12.89	12.77		
100	PI/2 BPSK	135	0	12.78	12.85	12.68		
100	PI/2 BPSK	135	69	12.83	12.88	12.72	14.1	0.0
100	PI/2 BPSK	135	138	12.72	12.86	12.81		
100	PI/2 BPSK	270	0	12.86	12.89	12.74		
100	QPSK	1	1	12.91	12.95	12.83	14.1	0.0
100	QPSK	1	137	12.71	12.79	12.76		
100	QPSK	1	271	12.80	12.86	12.79		
100	QPSK	135	0	12.69	12.84	12.77	14.1	0.0
100	QPSK	135	69	12.77	12.90	12.80		
100	QPSK	135	138	12.69	12.82	12.73		
100	QPSK	270	0	12.66	12.81	12.67	14.1	0.0
100	16QAM	1	1	12.75	12.89	12.78		
100	64QAM	1	1	12.77	12.90	12.79		
100	256QAM	1	1	12.66	12.79	12.72	14.1	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	12.87	12.78	12.75	14.1	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	12.78	12.83	12.75	14.1	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	12.81	12.80	12.72	14.1	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	12.77	12.84	12.71	14.1	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	12.85	12.93	12.80	14.1	0.0



Part27Q n77								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		14.1	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		12.94		14.1	0.0
100	PI/2 BPSK	1	137		12.89			
100	PI/2 BPSK	1	271		12.91			
100	PI/2 BPSK	135	0		12.99		14.1	0.0
100	PI/2 BPSK	135	69		12.90		14.1	0.0
100	PI/2 BPSK	135	138		12.93		14.1	0.0
100	PI/2 BPSK	270	0		12.98			
100	QPSK	1	1		13.24		14.1	0.0
100	QPSK	1	137		13.00			
100	QPSK	1	271		12.95			
100	QPSK	135	0		12.95		14.1	0.0
100	QPSK	135	69		13.08		14.1	0.0
100	QPSK	135	138		12.97		14.1	0.0
100	QPSK	270	0		12.93			
100	16QAM	1	1		12.96		14.1	0.0
100	64QAM	1	1		12.89		14.1	0.0
100	256QAM	1	1		12.85		14.1	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	12.93	12.92	12.99	14.1	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	13.00	12.89	12.97	14.1	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	12.93	12.93	12.94	14.1	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	12.94	12.94	12.96	14.1	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	12.95	12.97	12.90	14.1	0.0



Part270 n78								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		13.09		14.1	0.0
100	PI/2 BPSK	1	137		13.09			
100	PI/2 BPSK	1	271		13.01			
100	PI/2 BPSK	135	0		13.02		14.1	0.0
100	PI/2 BPSK	135	69		13.09		14.1	0.0
100	PI/2 BPSK	135	138		13.01		14.1	0.0
100	PI/2 BPSK	270	0		13.02			
100	QPSK	1	1		13.16		14.1	0.0
100	QPSK	1	137		13.13			
100	QPSK	1	271		13.02			
100	QPSK	135	0		13.01		14.1	0.0
100	QPSK	135	69		13.11		14.1	0.0
100	QPSK	135	138		13.06		14.1	0.0
100	QPSK	270	0		13.08			
100	16QAM	1	1		13.02		14.1	0.0
100	64QAM	1	1		13.00		14.1	0.0
100	256QAM	1	1		12.94		14.1	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	13.01	13.02	13.14	14.1	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	13.10	13.01	13.13	14.1	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	13.00	12.99	13.02	14.1	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	13.03	12.99	13.03	14.1	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	13.07	13.10	13.04	14.1	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	13.05	13.07	13.02	14.1	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	13.01	13.01	13.05	14.1	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	13.02	12.99	13.11	14.1	0.0



Part27Q 78								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		14.1	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		12.93			
100	PI/2 BPSK	1	137		13.05		14.1	0.0
100	PI/2 BPSK	1	271		12.95			
100	PI/2 BPSK	135	0		13.05			
100	PI/2 BPSK	135	69		12.97		14.1	0.0
100	PI/2 BPSK	135	138		12.95			
100	PI/2 BPSK	270	0		13.03			
100	QPSK	1	1		13.08		14.1	0.0
100	QPSK	1	137		12.95			
100	QPSK	1	271		13.00			
100	QPSK	135	0		12.92		14.1	0.0
100	QPSK	135	69		13.01			
100	QPSK	135	138		12.99			
100	QPSK	270	0		13.05		14.1	0.0
100	16QAM	1	1		12.97			
100	64QAM	1	1		12.96			
100	256QAM	1	1		12.91		14.1	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	12.91	12.91	13.01	14.1	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	13.03	12.93	12.95	14.1	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	13.05	13.00	13.06	14.1	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	13.06	12.97	12.95	14.1	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	12.93	12.95	12.95	14.1	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	12.95	12.98	13.02	14.1	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	13.02	12.96	13.02	14.1	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	12.99	12.93	13.05	14.1	0.0

**Reduced Power Mode for DSI 1**

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n2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000	19.7	0.0
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	18.48	18.54	18.46		
20	PI/2 BPSK	1	53	18.43	18.52	18.47	19.7	0.0
20	PI/2 BPSK	1	104	18.49	18.54	18.49		
20	PI/2 BPSK	50	0	18.41	18.49	18.44		
20	PI/2 BPSK	50	28	18.37	18.48	18.42	19.7	0.0
20	PI/2 BPSK	50	56	18.38	18.51	18.42		
20	PI/2 BPSK	100	0	18.51	18.57	18.44		
20	QPSK	1	1	18.54	18.61	18.57	19.7	0.0
20	QPSK	1	53	18.49	18.53	18.48		
20	QPSK	1	104	18.32	18.47	18.35		
20	QPSK	50	0	18.47	18.52	18.40	19.7	0.0
20	QPSK	50	28	18.55	18.59	18.51		
20	QPSK	50	56	18.43	18.55	18.41		
20	QPSK	100	0	18.35	18.46	18.42	19.7	0.0
20	16QAM	1	1	18.41	18.56	18.46		
20	64QAM	1	1	18.40	18.51	18.45		
20	256QAM	1	1	18.36	18.47	18.36	19.7	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	18.45	18.53	18.47	19.7	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	18.44	18.49	18.48	19.7	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	18.46	18.56	18.45	19.7	0.0



n5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	22.8	0.0
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	21.71	21.85	21.75		
20	PI/2 BPSK	1	53	21.74	21.83	21.72	22.8	0.0
20	PI/2 BPSK	1	104	21.60	21.69	21.60		
20	PI/2 BPSK	50	0	21.82	21.85	21.78		
20	PI/2 BPSK	50	28	21.67	21.81	21.66	22.8	0.0
20	PI/2 BPSK	50	56	21.69	21.74	21.62		
20	PI/2 BPSK	100	0	21.76	21.88	21.74		
20	QPSK	1	1	21.86	21.89	21.81	22.8	0.0
20	QPSK	1	53	21.79	21.88	21.74		
20	QPSK	1	104	21.60	21.70	21.55		
20	QPSK	50	0	21.74	21.84	21.71	22.8	0.0
20	QPSK	50	28	21.82	21.87	21.83		
20	QPSK	50	56	21.66	21.72	21.63		
20	QPSK	100	0	21.70	21.84	21.77	22.8	0.0
20	16QAM	1	1	21.69	21.77	21.74		
20	64QAM	1	1	21.70	21.79	21.72		
20	256QAM	1	1	19.75	19.86	19.79	20.5	2.3
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	21.77	21.79	21.69	22.8	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	21.78	21.81	21.76	22.8	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	21.73	21.74	21.69	22.8	0.0





n7								
BW [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				505000	507000	509000	14.0	0.0
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	13.04	13.18	13.08		
50	PI/2 BPSK	1	135	13.09	13.16	13.05	14.0	0.0
50	PI/2 BPSK	1	268	12.92	13.04	12.97		
50	PI/2 BPSK	135	0	13.05	13.11	12.96		
50	PI/2 BPSK	135	68	13.02	13.06	13.02	14.0	0.0
50	PI/2 BPSK	135	135	12.88	13.02	12.97		
50	PI/2 BPSK	270	0	13.00	13.08	12.98		
50	QPSK	1	1	13.19	13.26	13.13	14.0	0.0
50	QPSK	1	135	13.09	13.20	13.05		
50	QPSK	1	268	12.92	13.02	12.90		
50	QPSK	135	0	13.04	13.08	12.97	14.0	0.0
50	QPSK	135	68	13.05	13.15	13.02		
50	QPSK	135	135	12.96	13.05	12.94		
50	QPSK	270	0	13.05	13.08	12.95	14.0	0.0
50	16QAM	1	1	13.08	13.19	13.09		
50	64QAM	1	1	13.07	13.15	13.00		
50	256QAM	1	1	12.98	13.12	13.08	14.0	0.0
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	13.08	13.15	13.04	14.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	13.08	13.15	13.06	14.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	13.10	13.18	13.07	14.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	13.12	13.15	13.06	14.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	13.07	13.16	13.01	14.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	13.12	13.21	13.01	14.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	13.15	13.19	13.01	14.0	0.0



n12								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141300	141500	141700	22.7	0.0
Frequency (MHz)				706.5	707.5	708.5		
15	PI/2 BPSK	1	1	21.43	21.58	21.45		
15	PI/2 BPSK	1	40	21.46	21.55	21.46	22.7	0.0
15	PI/2 BPSK	1	77	21.33	21.39	21.35		
15	PI/2 BPSK	36	0	21.46	21.54	21.49		
15	PI/2 BPSK	36	22	21.44	21.57	21.51	22.7	0.0
15	PI/2 BPSK	36	43	21.39	21.48	21.36	22.7	0.0
15	PI/2 BPSK	75	0	21.40	21.53	21.44		
15	QPSK	1	1	21.55	21.60	21.51		
15	QPSK	1	40	21.50	21.53	21.42	22.7	0.0
15	QPSK	1	77	21.32	21.41	21.26		
15	QPSK	36	0	21.41	21.49	21.43		
15	QPSK	36	22	21.46	21.54	21.46	22.7	0.0
15	QPSK	36	43	21.36	21.42	21.27	22.7	0.0
15	QPSK	75	0	21.35	21.46	21.40		
15	16QAM	1	1	21.35	21.42	21.32		
15	64QAM	1	1	21.16	21.01	21.07	21.5	1.2
	256QAM	1	1	18.89	19.10	19.00	19.5	3.2
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	21.51	21.48	21.38	22.7	0.0
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	1	21.52	21.56	21.47	22.7	0.0



n13								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					156400			
Frequency (MHz)					782			
10	PI/2 BPSK	1	1		22.32		23.2	0.0
10	PI/2 BPSK	1	26		22.19			
10	PI/2 BPSK	1	50		22.03			
10	PI/2 BPSK	25	0		22.28		23.2	0.0
10	PI/2 BPSK	25	14		22.21		23.2	0.0
10	PI/2 BPSK	25	27		22.22		23.2	0.0
10	PI/2 BPSK	50	0		22.27			
10	QPSK	1	1		22.33		23.2	0.0
10	QPSK	1	26		22.27			
10	QPSK	1	50		22.05			
10	QPSK	25	0		22.13		23.0	0.2
10	QPSK	25	14		22.16		23.2	0.0
10	QPSK	25	27		22.08		23.0	0.2
10	QPSK	50	0		21.90			
10	16QAM	1	1		22.16		23.0	0.2
10	64QAM	1	1		20.31		21.5	1.7
10	256QAM	1	1		18.55		19.5	3.7
Channel				155900	156400	156900	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	1	22.11	22.12	22.09	23.2	0.0



n14								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					158600		23.2	0.0
Frequency (MHz)					793			
10	PI/2 BPSK	1	1		22.31		23.2	0.0
10	PI/2 BPSK	1	26		22.28			
10	PI/2 BPSK	1	50		22.12			
10	PI/2 BPSK	25	0		22.27		23.2	0.0
10	PI/2 BPSK	25	14		22.30		23.2	0.0
10	PI/2 BPSK	25	27		22.21		23.2	0.0
10	PI/2 BPSK	50	0		22.26			
10	QPSK	1	1		22.33		23.2	0.0
10	QPSK	1	26		22.26			
10	QPSK	1	50		22.14			
10	QPSK	25	0		22.12		23.0	0.2
10	QPSK	25	14		22.27		23.2	0.0
10	QPSK	25	27		22.15		23.0	0.2
10	QPSK	50	0		22.19			
10	16QAM	1	1		22.15		23.0	0.2
10	64QAM	1	1		20.30		21.5	1.7
10	256QAM	1	1		18.54		19.5	3.7
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				790.5	793	795.5		
5	QPSK	1	1	22.16	22.21	22.11	23.2	0.0



n25								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376500	381000	19.7	0.0
Frequency (MHz)				1860	1882.5	1905		
20	PI/2 BPSK	1	1	18.40	18.51	18.43		
20	PI/2 BPSK	1	53	18.39	18.53	18.46	19.7	0.0
20	PI/2 BPSK	1	104	18.42	18.46	18.32		
20	PI/2 BPSK	50	0	18.49	18.58	18.45		
20	PI/2 BPSK	50	28	18.53	18.56	18.48	19.7	0.0
20	PI/2 BPSK	50	56	18.58	18.61	18.53	19.7	0.0
20	PI/2 BPSK	100	0	18.47	18.59	18.51		
20	QPSK	1	1	18.56	18.69	18.48		
20	QPSK	1	53	18.43	18.49	18.40	19.7	0.0
20	QPSK	1	104	18.47	18.52	18.47		
20	QPSK	50	0	18.40	18.54	18.42		
20	QPSK	50	28	18.57	18.60	18.54	19.7	0.0
20	QPSK	50	56	18.52	18.58	18.53	19.7	0.0
20	QPSK	100	0	18.44	18.56	18.51		
20	16QAM	1	1	18.42	18.48	18.34		
20	64QAM	1	1	18.51	18.56	18.52	19.7	0.0
20	256QAM	1	1	18.36	18.44	18.35	19.7	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	18.51	18.57	18.35	19.7	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	18.43	18.57	18.44	19.7	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	18.47	18.55	18.42	19.7	0.0



n66								
BW [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				345000	349000	353000	19.3	0.0
Frequency (MHz)				1725	1745	1765		
30	PI/2 BPSK	1	1	18.13	18.20	18.10		
30	PI/2 BPSK	1	80	18.23	18.27	18.13	19.3	0.0
30	PI/2 BPSK	1	158	18.28	18.32	18.24		
30	PI/2 BPSK	80	0	18.17	18.21	18.16	19.3	0.0
30	PI/2 BPSK	80	40	18.03	18.15	18.00	19.3	0.0
30	PI/2 BPSK	80	80	18.26	18.37	18.31	19.3	0.0
30	PI/2 BPSK	160	0	18.15	18.25	18.18		
30	QPSK	1	1	18.27	18.42	18.33	19.3	0.0
30	QPSK	1	80	18.32	18.36	18.30		
30	QPSK	1	158	18.23	18.30	18.16		
30	QPSK	80	0	18.02	18.16	18.07	19.3	0.0
30	QPSK	80	40	18.29	18.32	18.21	19.3	0.0
30	QPSK	80	80	18.13	18.18	18.14	19.3	0.0
30	QPSK	160	0	18.08	18.25	18.05		
30	16QAM	1	1	18.12	18.23	18.19	19.3	0.0
30	64QAM	1	1	18.12	18.15	18.04	19.3	0.0
30	256QAM	1	1	17.98	18.13	17.98	19.3	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	18.21	18.32	18.21	19.3	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	18.18	18.34	18.21	19.3	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	18.13	18.29	18.26	19.3	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	18.14	18.35	18.26	19.3	0.0



n71								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	136100	137600	23.0	0.0
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	21.86	21.97	21.87		
20	PI/2 BPSK	1	53	21.90	21.95	21.87	23.0	0.0
20	PI/2 BPSK	1	104	21.79	21.83	21.69		
20	PI/2 BPSK	50	0	21.95	22.01	21.94		
20	PI/2 BPSK	50	28	21.81	21.91	21.82	23.0	0.0
20	PI/2 BPSK	50	56	21.76	21.83	21.77	23.0	0.0
20	PI/2 BPSK	100	0	21.85	21.94	21.79		
20	QPSK	1	1	21.94	22.05	21.99		
20	QPSK	1	53	21.87	21.98	21.91	23.0	0.0
20	QPSK	1	104	21.78	21.81	21.66		
20	QPSK	50	0	21.78	21.90	21.81		
20	QPSK	50	28	21.85	22.03	21.86	23.0	0.0
20	QPSK	50	56	21.79	21.87	21.75	23.0	0.0
20	QPSK	100	0	21.81	21.89	21.79		
20	16QAM	1	1	21.66	21.81	21.69		
20	64QAM	1	1	20.66	20.69	20.64	21.5	1.5
20	256QAM	1	1	18.73	18.86	18.79	19.5	3.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	21.88	21.88	21.94	23.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	21.83	21.92	21.90	23.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	21.90	21.98	21.84	23.0	0.0



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n41								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	10.4	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	9.35	9.43	9.29		
100	PI/2 BPSK	1	137	9.35	9.40	9.36	10.4	0.0
100	PI/2 BPSK	1	271	9.21	9.35	9.30		
100	PI/2 BPSK	135	0	9.27	9.38	9.34		
100	PI/2 BPSK	135	69	9.28	9.41	9.33	10.4	0.0
100	PI/2 BPSK	135	138	9.25	9.35	9.30	10.4	0.0
100	PI/2 BPSK	270	0	9.31	9.38	9.34		
100	QPSK	1	1	9.41	9.46	9.38		
100	QPSK	1	137	9.26	9.40	9.28	10.4	0.0
100	QPSK	1	271	9.24	9.35	9.22		
100	QPSK	135	0	9.24	9.34	9.21		
100	QPSK	135	69	9.30	9.36	9.32	10.4	0.0
100	QPSK	135	138	9.26	9.35	9.28	10.4	0.0
100	QPSK	270	0	9.31	9.35	9.32		
100	16QAM	1	1	9.29	9.39	9.27		
100	64QAM	1	1	9.17	9.29	9.17	10.4	0.0
100	256QAM	1	1	9.19	9.33	9.25	10.4	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	9.28	9.37	9.27	10.4	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	9.32	9.37	9.24	10.4	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	9.31	9.35	9.24	10.4	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	9.33	9.38	9.31	10.4	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	9.26	9.35	9.33	10.4	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	9.35	9.43	9.28	10.4	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	9.28	9.42	9.26	10.4	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	9.34	9.31	9.27	10.4	0.0





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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	11.6	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	10.64	10.77	10.74		
100	PI/2 BPSK	1	137	10.73	10.79	10.69	11.6	0.0
100	PI/2 BPSK	1	271	10.73	10.82	10.69		
100	PI/2 BPSK	135	0	10.73	10.80	10.69		
100	PI/2 BPSK	135	69	10.83	10.88	10.83	11.6	0.0
100	PI/2 BPSK	135	138	10.70	10.79	10.74	11.6	0.0
100	PI/2 BPSK	270	0	10.73	10.81	10.76		
100	QPSK	1	1	10.80	10.91	10.88		
100	QPSK	1	137	10.83	10.86	10.71	11.6	0.0
100	QPSK	1	271	10.74	10.87	10.79		
100	QPSK	135	0	10.74	10.78	10.72		
100	QPSK	135	69	10.76	10.84	10.78	11.6	0.0
100	QPSK	135	138	10.74	10.81	10.68	11.6	0.0
100	QPSK	270	0	10.74	10.79	10.66		
100	16QAM	1	1	10.66	10.75	10.71		
100	64QAM	1	1	10.70	10.85	10.73	11.6	0.0
100	256QAM	1	1	10.70	10.74	10.64	11.6	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	10.66	10.86	10.81	11.6	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	10.76	10.80	10.80	11.6	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	10.73	10.79	10.82	11.6	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	10.74	10.84	10.79	11.6	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	10.72	10.83	10.77	11.6	0.0



Part27Q n77								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		11.6	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		10.98		11.6	0.0
100	PI/2 BPSK	1	137		10.88			
100	PI/2 BPSK	1	271		11.00			
100	PI/2 BPSK	135	0		10.99		11.6	0.0
100	PI/2 BPSK	135	69		10.87		11.6	0.0
100	PI/2 BPSK	135	138		11.01		11.6	0.0
100	PI/2 BPSK	270	0		10.96			
100	QPSK	1	1		11.04		11.6	0.0
100	QPSK	1	137		11.01			
100	QPSK	1	271		10.92			
100	QPSK	135	0		10.91		11.6	0.0
100	QPSK	135	69		10.98		11.6	0.0
100	QPSK	135	138		10.94		11.6	0.0
100	QPSK	270	0		10.98			
100	16QAM	1	1		10.95		11.6	0.0
100	64QAM	1	1		10.98		11.6	0.0
100	256QAM	1	1		10.90		11.6	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	10.94	11.01	10.94	11.6	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	10.88	10.90	10.95	11.6	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	11.00	11.00	10.92	11.6	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	11.01	11.02	10.88	11.6	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	11.00	11.00	10.94	11.6	0.0



Part270 n78								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000	11.6	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		10.95			
100	PI/2 BPSK	1	137		10.96		11.6	0.0
100	PI/2 BPSK	1	271		10.88			
100	PI/2 BPSK	135	0		10.98			
100	PI/2 BPSK	135	69		10.93		11.6	0.0
100	PI/2 BPSK	135	138		10.96			
100	PI/2 BPSK	270	0		11.00			
100	QPSK	1	1		11.06		11.6	0.0
100	QPSK	1	137		11.00			
100	QPSK	1	271		10.97			
100	QPSK	135	0		10.97		11.6	0.0
100	QPSK	135	69		11.04			
100	QPSK	135	138		10.99			
100	QPSK	270	0		10.99		11.6	0.0
100	16QAM	1	1		11.00			
100	64QAM	1	1		10.95			
100	256QAM	1	1		10.91		11.6	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	10.92	10.91	10.96	11.6	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	10.92	10.94	11.04	11.6	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	11.00	10.98	11.00	11.6	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	10.95	10.95	10.91	11.6	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	10.97	10.92	10.97	11.6	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	10.97	11.02	10.96	11.6	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	10.92	11.00	11.01	11.6	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	10.93	10.97	10.99	11.6	0.0



Part27Q 78								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		11.6	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		10.84			
100	PI/2 BPSK	1	137		10.97			
100	PI/2 BPSK	1	271		10.84			
100	PI/2 BPSK	135	0		10.86		11.6	0.0
100	PI/2 BPSK	135	69		10.86		11.6	0.0
100	PI/2 BPSK	135	138		10.95		11.6	0.0
100	PI/2 BPSK	270	0		10.91			
100	QPSK	1	1		10.99		11.6	0.0
100	QPSK	1	137		10.93			
100	QPSK	1	271		10.95			
100	QPSK	135	0		10.82		11.6	0.0
100	QPSK	135	69		10.88		11.6	0.0
100	QPSK	135	138		10.79		11.6	0.0
100	QPSK	270	0		10.93			
100	16QAM	1	1		10.94		11.6	0.0
100	64QAM	1	1		10.88		11.6	0.0
100	256QAM	1	1		10.83		11.6	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	10.94	10.95	10.90	11.6	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	10.92	10.83	10.85	11.6	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	10.95	10.91	10.89	11.6	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	10.95	10.88	10.83	11.6	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	10.92	10.82	10.97	11.6	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	10.96	10.93	10.96	11.6	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	10.89	10.89	10.96	11.6	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	10.87	10.94	10.96	11.6	0.0

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n2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000	15.6	0.0
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	14.64	14.79	14.63		
20	PI/2 BPSK	1	53	14.78	14.86	14.80	15.6	0.0
20	PI/2 BPSK	1	104	14.69	14.75	14.66		
20	PI/2 BPSK	50	0	14.62	14.77	14.64		
20	PI/2 BPSK	50	28	14.71	14.84	14.78	15.6	0.0
20	PI/2 BPSK	50	56	14.74	14.84	14.80		
20	PI/2 BPSK	100	0	14.64	14.81	14.73		
20	QPSK	1	1	14.83	14.91	14.90	15.6	0.0
20	QPSK	1	53	14.68	14.76	14.65		
20	QPSK	1	104	14.72	14.84	14.79		
20	QPSK	50	0	14.66	14.80	14.69	15.6	0.0
20	QPSK	50	28	14.83	14.86	14.69		
20	QPSK	50	56	14.74	14.84	14.74		
20	QPSK	100	0	14.63	14.77	14.66	15.6	0.0
20	16QAM	1	1	14.67	14.81	14.66		
20	64QAM	1	1	14.64	14.78	14.71		
20	256QAM	1	1	14.61	14.74	14.60	15.6	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	14.71	14.88	14.82	15.6	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	14.67	14.83	14.85	15.6	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	14.78	14.82	14.82	15.6	0.0



n5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	24.5	0.0
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	23.41	23.52	23.50		
20	PI/2 BPSK	1	53	23.36	23.39	23.25	24.5	0.0
20	PI/2 BPSK	1	104	23.24	23.27	23.17		
20	PI/2 BPSK	50	0	23.48	23.55	23.40		
20	PI/2 BPSK	50	28	23.40	23.44	23.33	24.5	0.0
20	PI/2 BPSK	50	56	23.25	23.38	23.22	24.5	0.0
20	PI/2 BPSK	100	0	23.44	23.50	23.40		
20	QPSK	1	1	23.57	23.59	23.51		
20	QPSK	1	53	23.35	23.44	23.28	24.5	0.0
20	QPSK	1	104	23.20	23.36	23.25		
20	QPSK	50	0	23.43	23.48	23.40		
20	QPSK	50	28	23.40	23.56	23.47	24.5	0.0
20	QPSK	50	56	23.35	23.41	23.32	24.0	0.5
20	QPSK	100	0	23.36	23.53	23.38		
20	16QAM	1	1	23.22	23.39	23.25		
20	64QAM	1	1	22.13	22.30	22.24	22.5	2.0
20	256QAM	1	1	20.09	20.26	20.15	20.5	4.0
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.54	23.55	23.39	24.5	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.42	23.46	23.35	24.5	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	23.46	23.44	23.43	24.5	0.0



n7								
BW [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				505000	507000	509000	16.7	0.0
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	15.63	15.67	15.55		
50	PI/2 BPSK	1	135	15.66	15.71	15.67	16.7	0.0
50	PI/2 BPSK	1	268	15.65	15.70	15.62		
50	PI/2 BPSK	135	0	15.56	15.65	15.53		
50	PI/2 BPSK	135	68	15.56	15.59	15.53	16.7	0.0
50	PI/2 BPSK	135	135	15.50	15.64	15.49	16.7	0.0
50	PI/2 BPSK	270	0	15.50	15.59	15.50		
50	QPSK	1	1	15.66	15.74	15.62	16.7	0.0
50	QPSK	1	135	15.56	15.58	15.56		
50	QPSK	1	268	15.46	15.56	15.40		
50	QPSK	135	0	15.38	15.47	15.32	16.7	0.0
50	QPSK	135	68	15.56	15.62	15.49	16.7	0.0
50	QPSK	135	135	15.31	15.42	15.35	16.7	0.0
50	QPSK	270	0	15.48	15.59	15.43		
50	16QAM	1	1	15.48	15.65	15.51	16.7	0.0
50	64QAM	1	1	15.43	15.52	15.48	16.7	0.0
50	256QAM	1	1	15.39	15.50	15.34	16.7	0.0
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	15.60	15.60	15.55	16.7	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	15.60	15.65	15.58	16.7	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	15.57	15.72	15.57	16.7	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	15.58	15.70	15.53	16.7	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	15.51	15.62	15.60	16.7	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	15.62	15.58	15.55	16.7	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	15.58	15.69	15.57	16.7	0.0

n25								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	PI/2 BPSK	1	1	14.78	14.89	14.76	15.6	0.0
20	PI/2 BPSK	1	53	14.72	14.87	14.81		
20	PI/2 BPSK	1	104	14.75	14.86	14.84		
20	PI/2 BPSK	50	0	14.75	14.91	14.83	15.6	0.0
20	PI/2 BPSK	50	28	14.79	14.92	14.83	15.6	0.0
20	PI/2 BPSK	50	56	14.83	14.90	14.75	15.6	0.0
20	PI/2 BPSK	100	0	14.84	14.93	14.79		
20	QPSK	1	1	14.91	14.95	14.85	15.6	0.0
20	QPSK	1	53	14.76	14.91	14.77		
20	QPSK	1	104	14.79	14.90	14.79		
20	QPSK	50	0	14.80	14.91	14.83	15.6	0.0
20	QPSK	50	28	14.81	14.94	14.85	15.6	0.0
20	QPSK	50	56	14.74	14.85	14.68	15.6	0.0
20	QPSK	100	0	14.80	14.90	14.83		
20	16QAM	1	1	14.79	14.88	14.83	15.6	0.0
20	64QAM	1	1	14.77	14.82	14.74	15.6	0.0
20	256QAM	1	1	14.64	14.79	14.63	15.6	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	14.78	14.90	14.72	15.6	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	14.78	14.92	14.80	15.6	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	14.80	14.81	14.70	15.6	0.0





n66								
BW [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				345000	349000	353000	18.1	0.0
Frequency (MHz)				1725	1745	1765		
30	PI/2 BPSK	1	1	17.34	17.36	17.22		
30	PI/2 BPSK	1	80	17.40	17.43	17.30	18.1	0.0
30	PI/2 BPSK	1	158	17.20	17.34	17.22		
30	PI/2 BPSK	80	0	17.38	17.40	17.29		
30	PI/2 BPSK	80	40	17.29	17.36	17.24	18.1	0.0
30	PI/2 BPSK	80	80	17.36	17.40	17.34	18.1	0.0
30	PI/2 BPSK	160	0	17.30	17.38	17.22		
30	QPSK	1	1	17.41	17.45	17.36	18.1	0.0
30	QPSK	1	80	17.28	17.40	17.34		
30	QPSK	1	158	17.38	17.40	17.32		
30	QPSK	80	0	17.12	17.22	17.16	18.1	0.0
30	QPSK	80	40	17.38	17.41	17.27	18.1	0.0
30	QPSK	80	80	17.29	17.39	17.28	18.1	0.0
30	QPSK	160	0	17.26	17.42	17.28		
30	16QAM	1	1	17.38	17.41	17.34	18.1	0.0
30	64QAM	1	1	17.32	17.37	17.21	18.1	0.0
30	256QAM	1	1	17.23	17.31	17.17	18.1	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	17.37	17.33	17.29	18.1	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	17.39	17.37	17.34	18.1	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	17.31	17.34	17.31	18.1	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	17.33	17.36	17.21	18.1	0.0



n38								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996	17.5	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	16.32	16.41	16.29		
40	PI/2 BPSK	1	53	16.37	16.42	16.31	17.5	0.0
40	PI/2 BPSK	1	104	16.37	16.47	16.40		
40	PI/2 BPSK	50	0	16.28	16.38	16.33		
40	PI/2 BPSK	50	28	16.37	16.48	16.31	17.5	0.0
40	PI/2 BPSK	50	56	16.20	16.37	16.26	17.5	0.0
40	PI/2 BPSK	100	0	16.19	16.35	16.19		
40	QPSK	1	1	16.47	16.50	16.42		
40	QPSK	1	53	16.27	16.37	16.31	17.5	0.0
40	QPSK	1	104	16.26	16.34	16.24		
40	QPSK	50	0	16.29	16.39	16.25		
40	QPSK	50	28	16.35	16.44	16.39	17.5	0.0
40	QPSK	50	56	16.23	16.34	16.26	17.5	0.0
40	QPSK	100	0	16.31	16.40	16.31		
40	16QAM	1	1	16.39	16.45	16.35		
40	64QAM	1	1	16.23	16.34	16.19	17.5	0.0
40	256QAM	1	1	16.30	16.38	16.24	17.5	0.0
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	16.43	16.39	16.35	17.5	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	16.36	16.34	16.29	17.5	0.0



n41 HPUE PC2&3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	17.5	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	16.37	16.44	16.33		
100	PI/2 BPSK	1	137	16.35	16.41	16.31	17.5	0.0
100	PI/2 BPSK	1	271	16.33	16.49	16.44		
100	PI/2 BPSK	135	0	16.24	16.39	16.28		
100	PI/2 BPSK	135	69	16.42	16.46	16.37	17.5	0.0
100	PI/2 BPSK	135	138	16.28	16.40	16.36		
100	PI/2 BPSK	270	0	16.42	16.49	16.47		
100	QPSK	1	1	16.35	16.53	16.44	17.5	0.0
100	QPSK	1	137	16.41	16.48	16.41		
100	QPSK	1	271	16.35	16.49	16.35		
100	QPSK	135	0	16.41	16.45	16.39	17.5	0.0
100	QPSK	135	69	16.39	16.50	16.36		
100	QPSK	135	138	16.35	16.41	16.27		
100	QPSK	270	0	16.36	16.39	16.22	17.5	0.0
100	16QAM	1	1	16.32	16.47	16.36		
100	64QAM	1	1	16.38	16.42	16.34		
100	256QAM	1	1	16.21	16.37	16.27	17.5	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	16.32	16.51	16.30	17.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	16.19	16.38	16.29	17.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	16.21	16.42	16.31	17.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	16.30	16.46	16.34	17.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	16.33	16.39	16.37	17.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	16.30	16.44	16.33	17.5	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	16.28	16.49	16.34	17.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	16.31	16.45	16.39	17.5	0.0

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n48								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332	10.1	0.0
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	9.01	9.10	8.97		
40	PI/2 BPSK	1	53	8.99	9.02	8.99	10.1	0.0
40	PI/2 BPSK	1	104	8.96	9.09	9.07		
40	PI/2 BPSK	50	0	8.99	9.06	8.99		
40	PI/2 BPSK	50	28	8.94	9.09	9.03	10.1	0.0
40	PI/2 BPSK	50	56	9.07	9.15	9.07	10.1	0.0
40	PI/2 BPSK	100	0	8.95	9.01	8.99		
40	QPSK	1	1	9.03	9.18	8.86		
40	QPSK	1	53	9.06	9.11	9.00	10.1	0.0
40	QPSK	1	104	8.96	9.08	8.97		
40	QPSK	50	0	9.04	9.09	9.02		
40	QPSK	50	28	8.93	9.15	8.95	10.1	0.0
40	QPSK	50	56	8.97	9.06	9.02	10.1	0.0
40	QPSK	100	0	9.00	9.13	9.03		
40	16QAM	1	1	8.95	9.05	9.02		
40	64QAM	1	1	9.04	9.12	9.09	10.1	0.0
40	256QAM	1	1	8.98	9.04	8.91	10.1	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	8.97	9.10	8.82	10.1	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	8.98	9.15	8.71	10.1	0.0



Par270 n77 PC2&3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	9.0	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	7.94	8.02	7.91		
100	PI/2 BPSK	1	137	7.93	7.96	7.90	9.0	0.0
100	PI/2 BPSK	1	271	7.87	7.98	7.89		
100	PI/2 BPSK	135	0	7.90	8.05	7.88		
100	PI/2 BPSK	135	69	7.88	7.97	7.85	9.0	0.0
100	PI/2 BPSK	135	138	7.95	8.02	7.95		
100	PI/2 BPSK	270	0	7.84	7.98	7.81		
100	QPSK	1	1	7.97	8.13	8.01	9.0	0.0
100	QPSK	1	137	7.88	7.97	7.82		
100	QPSK	1	271	7.91	8.06	7.93		
100	QPSK	135	0	7.91	7.98	7.93	9.0	0.0
100	QPSK	135	69	7.97	8.05	7.98		
100	QPSK	135	138	7.85	7.99	7.84		
100	QPSK	270	0	7.94	7.99	7.87	9.0	0.0
100	16QAM	1	1	8.06	8.10	8.01		
100	64QAM	1	1	7.92	8.03	7.87		
100	256QAM	1	1	7.85	7.97	7.81	9.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	7.91	8.09	7.90	9.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	7.88	8.02	7.97	9.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	7.82	8.08	7.85	9.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	7.92	7.97	7.92	9.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	7.84	8.01	7.94	9.0	0.0



Part27Q n77 PC2&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					633334		9.0	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		8.36		9.0	0.0
100	PI/2 BPSK	1	137		8.40			
100	PI/2 BPSK	1	271		8.28			
100	PI/2 BPSK	135	0		8.41		9.0	0.0
100	PI/2 BPSK	135	69		8.37		9.0	0.0
100	PI/2 BPSK	135	138		8.40		9.0	0.0
100	PI/2 BPSK	270	0		8.27			
100	QPSK	1	1		8.46		9.0	0.0
100	QPSK	1	137		8.40			
100	QPSK	1	271		8.33			
100	QPSK	135	0		8.29		9.0	0.0
100	QPSK	135	69		8.44		9.0	0.0
100	QPSK	135	138		8.34		9.0	0.0
100	QPSK	270	0		8.34			
100	16QAM	1	1		8.31		9.0	0.0
100	64QAM	1	1		8.36		9.0	0.0
100	256QAM	1	1		8.30		9.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	8.33	8.34	8.28	9.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	8.39	8.28	8.33	9.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	8.34	8.31	8.41	9.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	8.41	8.28	8.39	9.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	8.32	8.31	8.37	9.0	0.0



Part270 n78 PC2&3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		8.28		9.0	0.0
100	PI/2 BPSK	1	137		8.16			
100	PI/2 BPSK	1	271		8.27			
100	PI/2 BPSK	135	0		8.21		9.0	0.0
100	PI/2 BPSK	135	69		8.25		9.0	0.0
100	PI/2 BPSK	135	138		8.27		9.0	0.0
100	PI/2 BPSK	270	0		8.14			
100	QPSK	1	1		8.30		9.0	0.0
100	QPSK	1	137		8.25			
100	QPSK	1	271		8.23			
100	QPSK	135	0		8.17		9.0	0.0
100	QPSK	135	69		8.24		9.0	0.0
100	QPSK	135	138		8.12		9.0	0.0
100	QPSK	270	0		8.14			
100	16QAM	1	1		8.25		9.0	0.0
100	64QAM	1	1		8.22		9.0	0.0
100	256QAM	1	1		8.18		9.0	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	8.21	8.23	8.22	9.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	8.22	8.27	8.23	9.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	8.24	8.27	8.19	9.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	8.23	8.27	8.25	9.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	8.22	8.22	8.17	9.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	8.20	8.28	8.17	9.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	8.17	8.27	8.13	9.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	8.24	8.13	8.15	9.0	0.0



Part27Q 78 PC2&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					633334		9.0	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		8.21		9.0	0.0
100	PI/2 BPSK	1	137		8.26			
100	PI/2 BPSK	1	271		8.13			
100	PI/2 BPSK	135	0		8.14		9.0	0.0
100	PI/2 BPSK	135	69		8.22		9.0	0.0
100	PI/2 BPSK	135	138		8.17		9.0	0.0
100	PI/2 BPSK	270	0		8.12			
100	QPSK	1	1		8.28		9.0	0.0
100	QPSK	1	137		8.12			
100	QPSK	1	271		8.21			
100	QPSK	135	0		8.14		9.0	0.0
100	QPSK	135	69		8.26		9.0	0.0
100	QPSK	135	138		8.21		9.0	0.0
100	QPSK	270	0		8.23			
100	16QAM	1	1		8.14		9.0	0.0
100	64QAM	1	1		8.13		9.0	0.0
100	256QAM	1	1		8.19		9.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	8.14	8.13	8.15	9.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	8.20	8.19	8.15	9.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	8.22	8.14	8.19	9.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	8.21	8.28	8.17	9.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	8.22	8.18	8.20	9.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	8.16	8.18	8.23	9.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	8.24	8.14	8.23	9.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	8.24	8.15	8.20	9.0	0.0





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n41								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	14.6	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	13.62	13.79	13.65		
100	PI/2 BPSK	1	137	13.64	13.71	13.67	14.6	0.0
100	PI/2 BPSK	1	271	13.70	13.74	13.58		
100	PI/2 BPSK	135	0	13.62	13.76	13.74		
100	PI/2 BPSK	135	69	13.69	13.73	13.66	14.6	0.0
100	PI/2 BPSK	135	138	13.71	13.74	13.62		
100	PI/2 BPSK	270	0	13.66	13.70	13.53		
100	QPSK	1	1	13.75	13.88	13.82	14.6	0.0
100	QPSK	1	137	13.80	13.83	13.71		
100	QPSK	1	271	13.71	13.73	13.58		
100	QPSK	135	0	13.57	13.72	13.60	14.6	0.0
100	QPSK	135	69	13.69	13.75	13.71		
100	QPSK	135	138	13.62	13.65	13.71		
100	QPSK	270	0	13.73	13.74	13.71	14.6	0.0
100	16QAM	1	1	13.76	13.82	13.76		
100	64QAM	1	1	13.62	13.76	13.66		
100	256QAM	1	1	13.61	13.71	13.63	14.6	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	13.63	13.81	13.67	14.6	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	13.59	13.74	13.77	14.6	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	13.68	13.80	13.71	14.6	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	13.72	13.77	13.73	14.6	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	13.66	13.76	13.74	14.6	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	13.69	13.84	13.67	14.6	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	13.59	13.84	13.73	14.6	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	13.61	13.75	13.72	14.6	0.0



Par270 n77								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	12.7	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	11.35	11.45	11.32		
100	PI/2 BPSK	1	137	11.32	11.47	11.38	12.7	0.0
100	PI/2 BPSK	1	271	11.36	11.44	11.28		
100	PI/2 BPSK	135	0	11.23	11.35	11.30		
100	PI/2 BPSK	135	69	11.40	11.43	11.34	12.7	0.0
100	PI/2 BPSK	135	138	11.37	11.43	11.38	12.7	0.0
100	PI/2 BPSK	270	0	11.28	11.37	11.33		
100	QPSK	1	1	11.42	11.49	11.36		
100	QPSK	1	137	11.31	11.42	11.28	12.7	0.0
100	QPSK	1	271	11.34	11.46	11.40		
100	QPSK	135	0	11.26	11.41	11.27		
100	QPSK	135	69	11.31	11.45	11.42	12.7	0.0
100	QPSK	135	138	11.23	11.37	11.26	12.7	0.0
100	QPSK	270	0	11.32	11.43	11.33		
100	16QAM	1	1	11.31	11.33	11.23		
100	64QAM	1	1	11.37	11.42	11.27	12.7	0.0
100	256QAM	1	1	11.25	11.38	11.33	12.7	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	11.38	11.42	11.30	12.7	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	11.26	11.36	11.21	12.7	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	11.32	11.39	11.27	12.7	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	11.40	11.40	11.25	12.7	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	11.30	11.41	11.20	12.7	0.0



Part27Q n77								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		12.7	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		11.01		12.7	0.0
100	PI/2 BPSK	1	137		11.16			
100	PI/2 BPSK	1	271		11.03		12.7	0.0
100	PI/2 BPSK	135	0		11.01			
100	PI/2 BPSK	135	69		11.03		12.7	0.0
100	PI/2 BPSK	135	138		11.05			
100	PI/2 BPSK	270	0		11.14		12.7	0.0
100	QPSK	1	1		11.18			
100	QPSK	1	137		11.05		12.7	0.0
100	QPSK	1	271		11.14			
100	QPSK	135	0		11.01		12.7	0.0
100	QPSK	135	69		11.09			
100	QPSK	135	138		11.00		12.7	0.0
100	QPSK	270	0		11.06			
100	16QAM	1	1		11.16		12.7	0.0
100	64QAM	1	1		11.03			
100	256QAM	1	1		11.01		12.7	0.0
Channel				632668	633334	634000		
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	11.07	11.14	11.01	12.7	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	11.03	11.05	11.15	12.7	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	11.13	11.08	11.02	12.7	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	11.07	11.05	11.06	12.7	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	11.02	11.12	11.11	12.7	0.0



Part270 n78								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000	12.7	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		11.32			
100	PI/2 BPSK	1	137		11.24		12.7	0.0
100	PI/2 BPSK	1	271		11.27			
100	PI/2 BPSK	135	0		11.33			
100	PI/2 BPSK	135	69		11.30		12.7	0.0
100	PI/2 BPSK	135	138		11.27		12.7	0.0
100	PI/2 BPSK	270	0		11.21			
100	QPSK	1	1		11.38			
100	QPSK	1	137		11.24		12.7	0.0
100	QPSK	1	271		11.35			
100	QPSK	135	0		11.22			
100	QPSK	135	69		11.31		12.7	0.0
100	QPSK	135	138		11.23		12.7	0.0
100	QPSK	270	0		11.31			
100	16QAM	1	1		11.35			
100	64QAM	1	1		11.27		12.7	0.0
100	256QAM	1	1		11.24		12.7	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	11.30	11.25	11.26	12.7	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	11.35	11.31	11.30	12.7	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	11.32	11.30	11.30	12.7	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	11.23	11.23	11.28	12.7	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	11.34	11.36	11.33	12.7	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	11.22	11.36	11.23	12.7	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	11.30	11.28	11.31	12.7	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	11.36	11.25	11.27	12.7	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		12.7	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		11.40			
100	PI/2 BPSK	1	137		11.35			
100	PI/2 BPSK	1	271		11.41			
100	PI/2 BPSK	135	0		11.34		12.7	0.0
100	PI/2 BPSK	135	69		11.42		12.7	0.0
100	PI/2 BPSK	135	138		11.35		12.7	0.0
100	PI/2 BPSK	270	0		11.40			
100	QPSK	1	1		11.49		12.7	0.0
100	QPSK	1	137		11.32			
100	QPSK	1	271		11.34			
100	QPSK	135	0		11.33		12.7	0.0
100	QPSK	135	69		11.42		12.7	0.0
100	QPSK	135	138		11.34		12.7	0.0
100	QPSK	270	0		11.44			
100	16QAM	1	1		11.45		12.7	0.0
100	64QAM	1	1		11.41		12.7	0.0
100	256QAM	1	1		11.32		12.7	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	11.34	11.36	11.34	12.7	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	11.37	11.45	11.40	12.7	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	11.45	11.39	11.43	12.7	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	11.38	11.38	11.42	12.7	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	11.36	11.37	11.34	12.7	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	11.35	11.39	11.40	12.7	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	11.40	11.42	11.45	12.7	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	11.41	11.37	11.37	12.7	0.0



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n41								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	12.9	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	11.93	11.99	11.94		
100	PI/2 BPSK	1	137	11.84	11.90	11.82	12.9	0.0
100	PI/2 BPSK	1	271	11.77	11.91	11.79		
100	PI/2 BPSK	135	0	11.94	12.00	11.85		
100	PI/2 BPSK	135	69	11.81	11.97	11.85	12.9	0.0
100	PI/2 BPSK	135	138	11.82	11.96	11.82	12.9	0.0
100	PI/2 BPSK	270	0	11.86	11.90	11.74		
100	QPSK	1	1	12.00	12.04	11.93		
100	QPSK	1	137	11.88	11.97	11.87	12.9	0.0
100	QPSK	1	271	11.85	12.02	12.00		
100	QPSK	135	0	11.94	11.99	11.90		
100	QPSK	135	69	11.86	12.01	11.90	12.9	0.0
100	QPSK	135	138	11.81	11.91	11.78	12.9	0.0
100	QPSK	270	0	11.79	11.87	11.76		
100	16QAM	1	1	11.87	11.97	11.83		
100	64QAM	1	1	11.89	11.94	11.86	12.9	0.0
100	256QAM	1	1	11.80	11.86	11.82	12.9	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	11.88	11.88	11.87	12.9	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	11.85	12.01	11.85	12.9	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	11.92	11.97	11.86	12.9	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	11.96	12.00	11.88	12.9	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	11.94	11.90	11.79	12.9	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	11.97	11.98	11.79	12.9	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	11.84	11.90	11.88	12.9	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	11.90	12.01	11.81	12.9	0.0



Par270 n77								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	14.1	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	12.85	12.93	12.78		
100	PI/2 BPSK	1	137	12.68	12.84	12.75	14.1	0.0
100	PI/2 BPSK	1	271	12.84	12.89	12.77		
100	PI/2 BPSK	135	0	12.78	12.85	12.68		
100	PI/2 BPSK	135	69	12.83	12.88	12.72	14.1	0.0
100	PI/2 BPSK	135	138	12.72	12.86	12.81	14.1	0.0
100	PI/2 BPSK	270	0	12.86	12.89	12.74		
100	QPSK	1	1	12.91	12.95	12.83		
100	QPSK	1	137	12.71	12.79	12.76	14.1	0.0
100	QPSK	1	271	12.80	12.86	12.79		
100	QPSK	135	0	12.69	12.84	12.77		
100	QPSK	135	69	12.77	12.90	12.80	14.1	0.0
100	QPSK	135	138	12.69	12.82	12.73	14.1	0.0
100	QPSK	270	0	12.66	12.81	12.67		
100	16QAM	1	1	12.75	12.89	12.78		
100	64QAM	1	1	12.77	12.90	12.79	14.1	0.0
100	256QAM	1	1	12.66	12.79	12.72	14.1	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	12.87	12.78	12.75	14.1	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	12.78	12.83	12.75	14.1	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	12.81	12.80	12.72	14.1	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	12.77	12.84	12.71	14.1	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	12.85	12.93	12.80	14.1	0.0



Part27Q n77								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		14.1	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		12.94			
100	PI/2 BPSK	1	137		12.89		14.1	0.0
100	PI/2 BPSK	1	271		12.91		14.1	0.0
100	PI/2 BPSK	135	0		12.99		14.1	0.0
100	PI/2 BPSK	135	69		12.90		14.1	0.0
100	PI/2 BPSK	135	138		12.93		14.1	0.0
100	PI/2 BPSK	270	0		12.98		14.1	0.0
100	QPSK	1	1		13.04		14.1	0.0
100	QPSK	1	137		13.00			
100	QPSK	1	271		12.95			
100	QPSK	135	0		12.95		14.1	0.0
100	QPSK	135	69		12.98		14.1	0.0
100	QPSK	135	138		12.97		14.1	0.0
100	QPSK	270	0		12.93		14.1	0.0
100	16QAM	1	1		12.96		14.1	0.0
100	64QAM	1	1		12.89		14.1	0.0
100	256QAM	1	1		12.85		14.1	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	12.93	12.92	12.99	14.1	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	13.00	12.89	12.97	14.1	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	12.93	12.93	12.94	14.1	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	12.94	12.94	12.96	14.1	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	12.95	12.97	12.90	14.1	0.0





Part270 n78								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000	14.1	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		13.09			
100	PI/2 BPSK	1	137		13.09		14.1	0.0
100	PI/2 BPSK	1	271		13.01			
100	PI/2 BPSK	135	0		13.02			
100	PI/2 BPSK	135	69		13.09		14.1	0.0
100	PI/2 BPSK	135	138		13.01		14.1	0.0
100	PI/2 BPSK	270	0		13.02			
100	QPSK	1	1		13.16			
100	QPSK	1	137		13.13		14.1	0.0
100	QPSK	1	271		13.02			
100	QPSK	135	0		13.01			
100	QPSK	135	69		13.11		14.1	0.0
100	QPSK	135	138		13.06		14.1	0.0
100	QPSK	270	0		13.08			
100	16QAM	1	1		13.02			
100	64QAM	1	1		13.00		14.1	0.0
100	256QAM	1	1		12.94		14.1	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	13.01	13.02	13.14	14.1	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	13.10	13.01	13.13	14.1	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	13.00	12.99	13.02	14.1	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	13.03	12.99	13.03	14.1	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	13.07	13.10	13.04	14.1	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	13.05	13.07	13.02	14.1	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	13.01	13.01	13.05	14.1	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	13.02	12.99	13.11	14.1	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		14.1	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		12.93			
100	PI/2 BPSK	1	137		13.05			
100	PI/2 BPSK	1	271		12.95			
100	PI/2 BPSK	135	0		13.05		14.1	0.0
100	PI/2 BPSK	135	69		12.97		14.1	0.0
100	PI/2 BPSK	135	138		12.95		14.1	0.0
100	PI/2 BPSK	270	0		13.03			
100	QPSK	1	1		13.08		14.1	0.0
100	QPSK	1	137		12.95			
100	QPSK	1	271		13.00			
100	QPSK	135	0		12.92		14.1	0.0
100	QPSK	135	69		13.01		14.1	0.0
100	QPSK	135	138		12.99		14.1	0.0
100	QPSK	270	0		13.05			
100	16QAM	1	1		12.97		14.1	0.0
100	64QAM	1	1		12.96		14.1	0.0
100	256QAM	1	1		12.91		14.1	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	12.91	12.91	13.01	14.1	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	13.03	12.93	12.95	14.1	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	13.05	13.00	13.06	14.1	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	13.06	12.97	12.95	14.1	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	12.93	12.95	12.95	14.1	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	12.95	12.98	13.02	14.1	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	13.02	12.96	13.02	14.1	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	12.99	12.93	13.05	14.1	0.0

**Reduced Power Mode for DSI 2**

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n2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000	22.8	0.0
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	21.26	21.36	21.33		
20	PI/2 BPSK	1	53	21.16	21.22	21.10	22.8	0.0
20	PI/2 BPSK	1	104	21.25	21.36	21.32		
20	PI/2 BPSK	50	0	21.29	21.35	21.31		
20	PI/2 BPSK	50	28	21.18	21.27	21.15	22.8	0.0
20	PI/2 BPSK	50	56	21.26	21.31	21.29	22.8	0.0
20	PI/2 BPSK	100	0	21.12	21.22	21.12		
20	QPSK	1	1	21.23	21.39	21.28		
20	QPSK	1	53	21.11	21.22	21.15	22.8	0.0
20	QPSK	1	104	21.20	21.23	21.09		
20	QPSK	50	0	21.15	21.26	21.17		
20	QPSK	50	28	21.27	21.31	21.19	22.8	0.0
20	QPSK	50	56	21.07	21.22	21.12	22.8	0.0
20	QPSK	100	0	21.13	21.28	21.15		
20	16QAM	1	1	21.21	21.34	21.24		
20	64QAM	1	1	21.09	21.22	21.16	22.5	0.3
20	256QAM	1	1	19.23	19.26	19.15	20.5	2.3
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	21.11	21.27	21.15	22.8	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	21.20	21.27	21.18	22.8	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	21.13	21.25	21.21	22.8	0.0



n5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	25.0	0.0
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	24.23	24.27	24.23		
20	PI/2 BPSK	1	53	24.09	24.23	24.25	24.5	0.5
20	PI/2 BPSK	1	104	23.91	24.10	24.04		
20	PI/2 BPSK	50	0	23.71	23.66	23.79		
20	PI/2 BPSK	50	28	24.16	24.08	24.03	24.5	0.5
20	PI/2 BPSK	50	56	23.50	23.64	23.58		
20	PI/2 BPSK	100	0	23.71	23.81	23.45		
20	QPSK	1	1	24.12	24.36	24.29	25.0	0.0
20	QPSK	1	53	24.09	24.09	24.02		
20	QPSK	1	104	23.93	24.03	23.90		
20	QPSK	50	0	23.19	23.25	23.05	24.0	1.0
20	QPSK	50	28	24.09	24.14	24.09	25.0	0.0
20	QPSK	50	56	23.05	23.07	22.98	24.0	1.0
20	QPSK	100	0	23.05	23.19	23.07		
20	16QAM	1	1	23.42	23.59	23.44	24.0	1.0
20	64QAM	1	1	22.04	22.22	22.21	22.5	2.5
20	256QAM	1	1	19.84	20.01	19.79	20.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.91	24.10	23.98	25.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.91	24.10	24.09	25.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	23.80	24.15	23.93	25.0	0.0



n7								
BW [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				505000	507000	509000	21.4	0.0
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	20.74	20.76	20.77		
50	PI/2 BPSK	1	135	20.75	20.87	20.67	21.4	0.0
50	PI/2 BPSK	1	268	20.78	20.61	20.54		
50	PI/2 BPSK	135	0	20.18	20.20	20.19		
50	PI/2 BPSK	135	68	20.51	20.69	20.65	21.4	0.0
50	PI/2 BPSK	135	135	20.20	20.30	20.40		
50	PI/2 BPSK	270	0	20.27	20.42	20.23		
50	QPSK	1	1	20.78	20.88	20.67	21.4	0.0
50	QPSK	1	135	20.59	20.67	20.58		
50	QPSK	1	268	20.63	20.72	20.72		
50	QPSK	135	0	20.47	20.50	20.45	21.4	0.0
50	QPSK	135	68	20.59	20.76	20.53		
50	QPSK	135	135	20.60	20.51	20.46		
50	QPSK	270	0	20.53	20.66	20.55	21.4	0.0
50	16QAM	1	1	20.63	20.57	20.51		
50	64QAM	1	1	20.57	20.55	20.59		
50	256QAM	1	1	18.86	18.99	18.80	19.5	1.9
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	20.61	20.76	20.50	21.4	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	PI/2 BPSK	1	1	20.70	20.71	20.57	21.4	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	PI/2 BPSK	1	1	20.65	20.69	20.54	21.4	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	20.63	20.78	20.54	21.4	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	20.64	20.70	20.53	21.4	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	20.61	20.78	20.53	21.4	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	20.63	20.74	20.51	21.4	0.0

n12								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141300	141500	141700	24.0	0.0
Frequency (MHz)				706.5	707.5	708.5		
15	PI/2 BPSK	1	1	23.07	23.13	23.05		
15	PI/2 BPSK	1	40	23.18	23.12	22.89	23.5	0.5
15	PI/2 BPSK	1	77	23.09	23.12	23.02		
15	PI/2 BPSK	36	0	22.57	22.71	22.72		
15	PI/2 BPSK	36	22	23.12	23.21	22.99	23.5	0.5
15	PI/2 BPSK	36	43	22.73	22.61	22.60		
15	PI/2 BPSK	75	0	22.59	22.70	22.58		
15	QPSK	1	1	23.22	23.24	23.20	24.0	0.0
15	QPSK	1	40	23.16	23.20	22.98		
15	QPSK	1	77	22.87	23.07	23.05		
15	QPSK	36	0	22.19	22.29	22.14	23.0	1.0
15	QPSK	36	22	23.11	23.21	23.02		
15	QPSK	36	43	21.96	22.28	22.28		
15	QPSK	75	0	22.31	22.39	22.20	23.0	1.0
15	16QAM	1	1	22.46	22.53	22.15		
15	64QAM	1	1	21.03	20.88	20.94		
	256QAM	1	1	18.76	18.97	18.87	19.5	4.5
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	23.03	23.05	23.17	24.0	0.0
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	1	23.04	23.18	23.02	24.0	0.0



n13								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					156400			
Frequency (MHz)					782			
10	PI/2 BPSK	1	1		23.12		24.0	0.0
10	PI/2 BPSK	1	26		23.16			
10	PI/2 BPSK	1	50		23.08			
10	PI/2 BPSK	25	0		22.68		23.5	0.5
10	PI/2 BPSK	25	14		23.14		24.0	0.0
10	PI/2 BPSK	25	27		22.71		23.5	0.5
10	PI/2 BPSK	50	0		22.73			
10	QPSK	1	1		23.25		24.0	0.0
10	QPSK	1	26		23.20			
10	QPSK	1	50		23.07			
10	QPSK	25	0		22.28		23.0	1.0
10	QPSK	25	14		23.19		24.0	0.0
10	QPSK	25	27		22.27		23.0	1.0
10	QPSK	50	0		22.36			
10	16QAM	1	1		22.51		23.0	1.0
10	64QAM	1	1		20.89		21.5	2.5
10	256QAM	1	1		18.99		19.5	4.5
Channel				155900	156400	156900	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	1	23.04	23.07	23.09	24.0	0.0



n14								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					158600			
Frequency (MHz)					793			
10	PI/2 BPSK	1	1		23.16		24.0	0.0
10	PI/2 BPSK	1	26		23.08			
10	PI/2 BPSK	1	50		23.13			
10	PI/2 BPSK	25	0		22.71		23.5	0.5
10	PI/2 BPSK	25	14		23.14		24.0	0.0
10	PI/2 BPSK	25	27		22.61		23.5	0.5
10	PI/2 BPSK	50	0		22.70			
10	QPSK	1	1		23.22		24.0	0.0
10	QPSK	1	26		23.19			
10	QPSK	1	50		23.08			
10	QPSK	25	0		22.50		23.0	1.0
10	QPSK	25	14		23.20		24.0	0.0
10	QPSK	25	27		22.31		23.0	1.0
10	QPSK	50	0		22.29			
10	16QAM	1	1		22.53		23.0	1.0
10	64QAM	1	1		20.79		21.5	2.5
10	256QAM	1	1		18.97		19.5	4.5
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				790.5	793	795.5		
5	QPSK	1	1	23.10	23.08	23.11	24.0	0.0





n25								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376500	381000	22.8	0.0
Frequency (MHz)				1860	1882.5	1905		
20	PI/2 BPSK	1	1	20.95	21.00	20.92		
20	PI/2 BPSK	1	53	20.91	21.07	21.05	22.8	0.0
20	PI/2 BPSK	1	104	20.92	21.05	20.99		
20	PI/2 BPSK	50	0	21.05	21.12	21.04		
20	PI/2 BPSK	50	28	20.94	21.11	21.08	22.8	0.0
20	PI/2 BPSK	50	56	20.99	21.04	20.97	22.8	0.0
20	PI/2 BPSK	100	0	20.98	21.12	21.05		
20	QPSK	1	1	20.98	21.14	21.06		
20	QPSK	1	53	20.85	20.97	20.81	22.8	0.0
20	QPSK	1	104	20.94	21.09	21.02		
20	QPSK	50	0	20.99	21.05	20.89		
20	QPSK	50	28	21.01	21.06	20.98	22.8	0.0
20	QPSK	50	56	20.98	21.04	20.98	22.8	0.0
20	QPSK	100	0	20.85	20.97	20.83		
20	16QAM	1	1	20.91	21.04	20.95		
20	64QAM	1	1	20.92	21.06	20.98	22.5	0.3
20	256QAM	1	1	19.14	19.29	19.22	20.5	2.3
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	20.87	21.02	21.04	22.8	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	20.94	21.04	21.00	22.8	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	20.84	21.08	20.90	22.8	0.0



n66								
BW [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				345000	349000	353000	19.8	0.0
Frequency (MHz)				1725	1745	1765		
30	PI/2 BPSK	1	1	19.16	19.17	19.11		
30	PI/2 BPSK	1	80	19.23	19.26	19.11	19.8	0.0
30	PI/2 BPSK	1	158	19.26	19.34	19.24		
30	PI/2 BPSK	80	0	19.16	19.25	19.17		
30	PI/2 BPSK	80	40	19.01	19.18	18.97	19.8	0.0
30	PI/2 BPSK	80	80	19.23	19.34	19.32	19.8	0.0
30	PI/2 BPSK	160	0	19.15	19.28	19.21		
30	QPSK	1	1	19.24	19.35	19.33	19.8	0.0
30	QPSK	1	80	19.30	19.19	19.32		
30	QPSK	1	158	19.23	19.20	19.20		
30	QPSK	80	0	19.04	19.12	19.08	19.8	0.0
30	QPSK	80	40	19.28	19.34	19.20	19.8	0.0
30	QPSK	80	80	19.15	19.22	19.10	19.8	0.0
30	QPSK	160	0	19.05	19.17	19.07		
30	16QAM	1	1	19.10	19.24	19.18	19.8	0.0
30	64QAM	1	1	19.13	19.13	19.04	19.8	0.0
30	256QAM	1	1	18.98	19.17	18.98	19.8	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	19.24	19.31	19.21	19.8	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	19.21	19.18	19.21	19.8	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	19.13	19.32	19.27	19.8	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	19.10	19.34	19.23	19.8	0.0



n71								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	136100	137600	24.0	0.0
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	23.13	23.24	23.17		
20	PI/2 BPSK	1	53	23.18	23.23	23.01	23.5	0.5
20	PI/2 BPSK	1	104	23.17	23.16	23.09		
20	PI/2 BPSK	50	0	22.68	22.76	22.73		
20	PI/2 BPSK	50	28	23.00	23.20	22.99	23.5	0.5
20	PI/2 BPSK	50	56	22.58	22.60	22.50		
20	PI/2 BPSK	100	0	22.52	22.65	22.61		
20	QPSK	1	1	23.16	23.36	23.25	24.0	0.0
20	QPSK	1	53	23.00	23.08	23.07		
20	QPSK	1	104	22.93	22.94	23.12		
20	QPSK	50	0	22.17	22.23	22.17	23.0	1.0
20	QPSK	50	28	23.19	23.33	23.31		
20	QPSK	50	56	22.21	22.05	22.02		
20	QPSK	100	0	21.99	22.21	22.06	23.0	1.0
20	16QAM	1	1	22.21	22.56	22.31		
20	64QAM	1	1	20.66	20.99	20.85		
20	256QAM	1	1	18.33	18.56	18.49	19.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	23.09	23.25	23.04	24.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	23.18	23.33	23.05	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	23.04	23.17	23.17	24.0	0.0



<Ant1>

n41								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	10.4	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	9.35	9.43	9.29	10.4	0.0
100	PI/2 BPSK	1	137	9.35	9.40	9.36		
100	PI/2 BPSK	1	271	9.21	9.35	9.30		
100	PI/2 BPSK	135	0	9.27	9.38	9.34	10.4	0.0
100	PI/2 BPSK	135	69	9.28	9.41	9.33	10.4	0.0
100	PI/2 BPSK	135	138	9.25	9.35	9.30	10.4	0.0
100	PI/2 BPSK	270	0	9.31	9.38	9.34		
100	QPSK	1	1	9.41	9.46	9.38	10.4	0.0
100	QPSK	1	137	9.26	9.40	9.28		
100	QPSK	1	271	9.24	9.35	9.22		
100	QPSK	135	0	9.24	9.34	9.21	10.4	0.0
100	QPSK	135	69	9.30	9.36	9.32	10.4	0.0
100	QPSK	135	138	9.26	9.35	9.28	10.4	0.0
100	QPSK	270	0	9.31	9.35	9.32		
100	16QAM	1	1	9.29	9.39	9.27	10.4	0.0
100	64QAM	1	1	9.17	9.29	9.17	10.4	0.0
100	256QAM	1	1	9.19	9.33	9.25	10.4	0.0
Channel				508200	518598	528996	10.4	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	9.28	9.37	9.27	10.4	0.0
Channel				507204	518598	529998	10.4	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	9.32	9.37	9.24	10.4	0.0
Channel				506202	518598	531000	10.4	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	9.31	9.35	9.24	10.4	0.0
Channel				505200	518598	531996	10.4	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	9.33	9.38	9.31	10.4	0.0
Channel				504204	518598	532998	10.4	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	9.26	9.35	9.33	10.4	0.0
Channel				503202	518598	534000	10.4	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	9.35	9.43	9.28	10.4	0.0
Channel				502200	518598	534996	10.4	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	9.28	9.42	9.26	10.4	0.0
Channel				501204	518598	535998	10.4	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	9.34	9.31	9.27	10.4	0.0



Par270 n77								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	11.6	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	10.64	10.77	10.74		
100	PI/2 BPSK	1	137	10.73	10.79	10.69	11.6	0.0
100	PI/2 BPSK	1	271	10.73	10.82	10.69		
100	PI/2 BPSK	135	0	10.73	10.80	10.69		
100	PI/2 BPSK	135	69	10.83	10.88	10.83	11.6	0.0
100	PI/2 BPSK	135	138	10.70	10.79	10.74	11.6	0.0
100	PI/2 BPSK	270	0	10.73	10.81	10.76		
100	QPSK	1	1	10.80	10.91	10.88		
100	QPSK	1	137	10.83	10.86	10.71	11.6	0.0
100	QPSK	1	271	10.74	10.87	10.79		
100	QPSK	135	0	10.74	10.78	10.72		
100	QPSK	135	69	10.76	10.84	10.78	11.6	0.0
100	QPSK	135	138	10.74	10.81	10.68	11.6	0.0
100	QPSK	270	0	10.74	10.79	10.66		
100	16QAM	1	1	10.66	10.75	10.71		
100	64QAM	1	1	10.70	10.85	10.73	11.6	0.0
100	256QAM	1	1	10.70	10.74	10.64	11.6	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	10.66	10.86	10.81	11.6	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	10.76	10.80	10.80	11.6	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	10.73	10.79	10.82	11.6	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	10.74	10.84	10.79	11.6	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	10.72	10.83	10.77	11.6	0.0

Part27Q n77								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		11.6	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		10.98		11.6	0.0
100	PI/2 BPSK	1	137		10.88			
100	PI/2 BPSK	1	271		11.00			
100	PI/2 BPSK	135	0		10.99		11.6	0.0
100	PI/2 BPSK	135	69		10.87		11.6	0.0
100	PI/2 BPSK	135	138		11.01		11.6	0.0
100	PI/2 BPSK	270	0		10.96		11.6	0.0
100	QPSK	1	1		11.04			
100	QPSK	1	137		11.01			
100	QPSK	1	271		10.92		11.6	0.0
100	QPSK	135	0		10.91			
100	QPSK	135	69		10.98			
100	QPSK	135	138		10.94		11.6	0.0
100	QPSK	270	0		10.98		11.6	0.0
100	16QAM	1	1		10.95			
100	64QAM	1	1		10.98			
100	256QAM	1	1		10.90		11.6	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	10.94	11.01	10.94	11.6	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	10.88	10.90	10.95	11.6	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	11.00	11.00	10.92	11.6	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	11.01	11.02	10.88	11.6	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	11.00	11.00	10.94	11.6	0.0



Part270 n78								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000	11.6	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		10.95			
100	PI/2 BPSK	1	137		10.96		11.6	0.0
100	PI/2 BPSK	1	271		10.88			
100	PI/2 BPSK	135	0		10.98			
100	PI/2 BPSK	135	69		10.93		11.6	0.0
100	PI/2 BPSK	135	138		10.96		11.6	0.0
100	PI/2 BPSK	270	0		11.00			
100	QPSK	1	1		11.06		11.6	0.0
100	QPSK	1	137		11.00			
100	QPSK	1	271		10.97			
100	QPSK	135	0		10.97		11.6	0.0
100	QPSK	135	69		11.04		11.6	0.0
100	QPSK	135	138		10.99		11.6	0.0
100	QPSK	270	0		10.99			
100	16QAM	1	1		11.00		11.6	0.0
100	64QAM	1	1		10.95		11.6	0.0
100	256QAM	1	1		10.91		11.6	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	10.92	10.91	10.96	11.6	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	10.92	10.94	11.04	11.6	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	11.00	10.98	11.00	11.6	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	10.95	10.95	10.91	11.6	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	10.97	10.92	10.97	11.6	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	10.97	11.02	10.96	11.6	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	10.92	11.00	11.01	11.6	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	10.93	10.97	10.99	11.6	0.0



Part27Q 78								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		11.6	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		10.84		11.6	0.0
100	PI/2 BPSK	1	137		10.97			
100	PI/2 BPSK	1	271		10.84			
100	PI/2 BPSK	135	0		10.86		11.6	0.0
100	PI/2 BPSK	135	69		10.86		11.6	0.0
100	PI/2 BPSK	135	138		10.95		11.6	0.0
100	PI/2 BPSK	270	0		10.91			
100	QPSK	1	1		10.99		11.6	0.0
100	QPSK	1	137		10.93			
100	QPSK	1	271		10.95			
100	QPSK	135	0		10.82		11.6	0.0
100	QPSK	135	69		10.88		11.6	0.0
100	QPSK	135	138		10.79		11.6	0.0
100	QPSK	270	0		10.93			
100	16QAM	1	1		10.94		11.6	0.0
100	64QAM	1	1		10.88		11.6	0.0
100	256QAM	1	1		10.83		11.6	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	10.94	10.95	10.90	11.6	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	10.92	10.83	10.85	11.6	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	10.95	10.91	10.89	11.6	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	10.95	10.88	10.83	11.6	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	10.92	10.82	10.97	11.6	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	10.96	10.93	10.96	11.6	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	10.89	10.89	10.96	11.6	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	10.87	10.94	10.96	11.6	0.0



<Ant2>

n2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000	25.0	0.0
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	23.36	23.57	23.63		
20	PI/2 BPSK	1	53	23.50	23.59	23.40	24.5	0.5
20	PI/2 BPSK	1	104	23.48	23.60	23.43		
20	PI/2 BPSK	50	0	22.99	23.22	22.89		
20	PI/2 BPSK	50	28	23.53	23.70	23.55	24.5	0.5
20	PI/2 BPSK	50	56	22.88	23.03	22.98		
20	PI/2 BPSK	100	0	22.95	23.21	23.16		
20	QPSK	1	1	23.61	23.74	23.65	25.0	0.0
20	QPSK	1	53	23.46	23.54	23.35		
20	QPSK	1	104	23.10	23.17	23.04		
20	QPSK	50	0	22.39	22.65	22.59	24.0	1.0
20	QPSK	50	28	23.50	23.56	23.31		
20	QPSK	50	56	22.31	22.52	22.57		
20	QPSK	100	0	22.58	22.71	22.53	24.0	1.0
20	16QAM	1	1	22.36	22.28	22.33		
20	64QAM	1	1	21.30	21.47	21.36		
20	256QAM	1	1	19.31	19.49	19.37	20.5	4.5
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	23.54	23.59	23.58	25.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	23.55	23.56	23.51	25.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	23.52	23.63	23.47	25.0	0.0

n5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	24.33	24.39	24.30		
20	PI/2 BPSK	1	53	24.22	24.32	24.16	25.0	0.0
20	PI/2 BPSK	1	104	23.98	24.14	24.06		
20	PI/2 BPSK	50	0	23.89	23.91	23.87		
20	PI/2 BPSK	50	28	24.30	24.33	24.27	25.0	0.0
20	PI/2 BPSK	50	56	23.76	23.79	23.74	24.5	0.5
20	PI/2 BPSK	100	0	23.69	23.84	23.80		
20	QPSK	1	1	24.43	24.51	24.38	25.0	0.0
20	QPSK	1	53	24.18	24.34	24.23		
20	QPSK	1	104	24.04	24.12	24.02		
20	QPSK	50	0	23.38	23.44	23.39	24.0	1.0
20	QPSK	50	28	24.30	24.36	24.18	25.0	0.0
20	QPSK	50	56	23.24	23.28	23.16	24.0	1.0
20	QPSK	100	0	23.25	23.34	23.29		
20	16QAM	1	1	23.22	23.39	23.25	24.0	1.0
20	64QAM	1	1	22.13	22.30	22.24	22.5	2.5
20	256QAM	1	1	20.09	20.26	20.15	20.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	24.38	24.48	24.35	25.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	24.40	24.41	24.28	25.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	24.34	24.35	24.26	25.0	0.0



n7								
BW [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				505000	507000	509000	24.0	0.0
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	22.57	22.68	22.47		
50	PI/2 BPSK	1	135	22.75	22.88	22.87	23.5	0.5
50	PI/2 BPSK	1	268	22.59	22.68	22.50		
50	PI/2 BPSK	135	0	22.31	22.43	22.31		
50	PI/2 BPSK	135	68	22.51	22.76	22.72	24.0	0.0
50	PI/2 BPSK	135	135	22.14	22.20	22.19		
50	PI/2 BPSK	270	0	22.05	22.22	22.17		
50	QPSK	1	1	22.56	23.02	22.88	24.0	0.0
50	QPSK	1	135	22.79	22.94	22.85		
50	QPSK	1	268	22.65	22.70	22.64		
50	QPSK	135	0	21.68	21.91	21.74	23.0	1.0
50	QPSK	135	68	22.51	22.93	22.75		
50	QPSK	135	135	21.66	21.86	21.71		
50	QPSK	270	0	21.91	21.95	21.68	23.0	1.0
50	16QAM	1	1	21.98	22.03	21.92		
50	64QAM	1	1	20.21	20.34	20.37		
50	256QAM	1	1	18.51	18.48	18.61	19.5	4.5
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	22.64	22.88	22.83	24.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	22.66	22.93	22.83	24.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	22.63	22.88	22.86	24.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	22.66	22.97	22.76	24.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	22.66	22.93	22.85	24.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	22.56	22.97	22.79	24.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	22.67	22.98	22.81	24.0	0.0



n25								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	PI/2 BPSK	1	1	23.83	24.05	23.87	25.0	0.0
20	PI/2 BPSK	1	53	23.84	24.10	23.92		
20	PI/2 BPSK	1	104	23.80	24.10	23.88		
20	PI/2 BPSK	50	0	23.33	23.56	23.48	24.5	0.5
20	PI/2 BPSK	50	28	24.00	23.98	23.91	25.0	0.0
20	PI/2 BPSK	50	56	23.35	23.44	23.29	24.5	0.5
20	PI/2 BPSK	100	0	23.28	23.48	23.23		
20	QPSK	1	1	24.07	24.28	24.18	25.0	0.0
20	QPSK	1	53	24.08	24.10	24.09		
20	QPSK	1	104	23.84	24.01	23.91		
20	QPSK	50	0	23.01	23.29	23.14	24.0	1.0
20	QPSK	50	28	23.98	24.12	23.98	25.0	0.0
20	QPSK	50	56	23.00	23.09	23.05	24.0	1.0
20	QPSK	100	0	23.08	23.19	23.04		
20	16QAM	1	1	23.11	23.34	23.43	24.0	1.0
20	64QAM	1	1	21.69	21.79	21.60	22.5	2.5
20	256QAM	1	1	19.70	19.88	19.76	20.5	4.5
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	23.97	24.17	24.07	25.0	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	23.97	24.21	24.12	25.0	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	23.94	24.15	24.13	25.0	0.0



n66								
BW [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				345000	349000	353000	25.0	0.0
Frequency (MHz)				1725	1745	1765		
30	PI/2 BPSK	1	1	24.08	24.12	23.97		
30	PI/2 BPSK	1	80	23.85	23.98	23.86	24.5	0.5
30	PI/2 BPSK	1	158	23.74	23.93	23.85		
30	PI/2 BPSK	80	0	23.53	23.66	23.51		
30	PI/2 BPSK	80	40	23.85	24.02	23.93	25.0	0.0
30	PI/2 BPSK	80	80	23.54	23.64	23.46		
30	PI/2 BPSK	160	0	23.41	23.61	23.47	24.5	0.5
30	QPSK	1	1	23.99	24.18	24.08		
30	QPSK	1	80	24.03	24.06	23.89		
30	QPSK	1	158	23.92	24.01	23.83	25.0	0.0
30	QPSK	80	0	23.11	23.22	23.09		
30	QPSK	80	40	23.80	23.98	23.90		
30	QPSK	80	80	23.01	23.15	23.14	24.0	1.0
30	QPSK	160	0	23.09	23.20	23.07		
30	16QAM	1	1	23.14	23.16	23.09	24.0	1.0
30	64QAM	1	1	21.39	21.51	21.43		
30	256QAM	1	1	19.41	19.48	19.32	20.5	4.5
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	23.90	24.04	23.94	25.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.95	24.16	24.02	25.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.86	24.09	24.02	25.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.86	24.03	24.01	25.0	0.0



n38								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	23.09	23.21	22.88		
40	PI/2 BPSK	1	53	23.05	22.96	22.97	24.0	0.0
40	PI/2 BPSK	1	104	23.00	23.11	23.10		
40	PI/2 BPSK	50	0	22.57	22.74	22.69		
40	PI/2 BPSK	50	28	23.05	23.15	23.13	24.0	0.0
40	PI/2 BPSK	50	56	22.70	22.72	22.72	23.5	0.5
40	PI/2 BPSK	100	0	22.67	22.72	22.80		
40	QPSK	1	1	23.08	23.25	23.10	24.0	0.0
40	QPSK	1	53	22.89	23.09	22.96		
40	QPSK	1	104	22.90	23.24	23.12		
40	QPSK	50	0	22.23	22.12	22.14	23.0	1.0
40	QPSK	50	28	23.02	23.22	22.96	24.0	0.0
40	QPSK	50	56	21.97	22.25	22.14	23.0	1.0
40	QPSK	100	0	22.25	22.32	22.14		
40	16QAM	1	1	22.29	22.50	22.30	23.0	1.0
40	64QAM	1	1	20.68	20.91	20.68	21.5	2.5
40	256QAM	1	1	18.77	18.81	18.78	19.5	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	23.06	23.09	22.95	24.0	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	23.06	23.21	23.02	24.0	0.0



n41								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	24.0	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	23.22	23.07	23.13		
100	PI/2 BPSK	1	137	23.07	23.08	22.88	23.5	0.5
100	PI/2 BPSK	1	271	23.27	23.01	22.99		
100	PI/2 BPSK	135	0	22.62	22.67	22.50	24.0	0.0
100	PI/2 BPSK	135	69	23.19	23.20	23.19		
100	PI/2 BPSK	135	138	22.60	22.72	22.69	23.5	0.5
100	PI/2 BPSK	270	0	22.67	22.57	22.57		
100	QPSK	1	1	23.16	23.31	23.24	24.0	0.0
100	QPSK	1	137	22.96	23.01	23.10		
100	QPSK	1	271	22.93	23.01	22.78		
100	QPSK	135	0	22.34	22.29	22.15	23.0	1.0
100	QPSK	135	69	23.18	23.23	22.99		
100	QPSK	135	138	22.08	22.13	22.25	23.0	1.0
100	QPSK	270	0	22.14	22.25	22.09		
100	16QAM	1	1	22.41	22.48	22.23	23.0	1.0
100	64QAM	1	1	20.66	20.85	20.86		
100	256QAM	1	1	18.52	18.86	18.73	19.5	4.5
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98	24.0	0.0
90	QPSK	1	1	23.07	23.25	23.18		
Channel				507204	518598	529998	24.0	0.0
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	23.04	23.22	23.09	24.0	0.0
Channel				506202	518598	531000		
Frequency (MHz)				2531.01	2592.99	2655	24.0	0.0
70	QPSK	1	1	23.03	23.26	23.13		
Channel				505200	518598	531996	24.0	0.0
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	23.09	23.13	23.15	24.0	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99	24.0	0.0
50	QPSK	1	1	23.08	23.23	23.11		
Channel				503202	518598	534000	24.0	0.0
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	23.08	23.18	23.18	24.0	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98	24.0	0.0
30	QPSK	1	1	23.10	23.21	23.20		
Channel				501204	518598	535998	24.0	0.0
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	23.03	23.28	23.12	24.0	0.0
Channel				500200	518598	536996		
Frequency (MHz)				2501	2592.99	2674.98		



n41 HPUE								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	27.0	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	25.47	25.66	25.48		
100	PI/2 BPSK	1	137	25.31	25.37	25.17	26.5	0.5
100	PI/2 BPSK	1	271	25.32	25.40	25.26		
100	PI/2 BPSK	135	0	24.96	25.20	25.08		
100	PI/2 BPSK	135	69	25.37	25.58	25.45	27.0	0.0
100	PI/2 BPSK	135	138	25.05	24.98	24.82		
100	PI/2 BPSK	270	0	24.80	24.97	25.00		
100	QPSK	1	1	25.53	25.71	25.51	27.0	0.0
100	QPSK	1	137	25.33	25.38	25.50		
100	QPSK	1	271	25.38	25.48	25.23		
100	QPSK	135	0	24.38	24.53	24.40	26.0	1.0
100	QPSK	135	69	25.51	25.64	25.50		
100	QPSK	135	138	24.43	24.53	24.36		
100	QPSK	270	0	24.46	24.55	24.46	26.0	1.0
100	16QAM	1	1	24.77	24.69	24.72		
100	64QAM	1	1	23.16	23.18	23.17		
100	256QAM	1	1	21.24	21.33	21.42	22.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	25.30	25.63	25.33	27.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	25.30	25.68	25.37	27.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	25.36	25.60	25.38	27.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	25.33	25.54	25.49	27.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	25.25	25.57	25.35	27.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	25.37	25.59	25.35	27.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	25.32	25.67	25.42	27.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	25.51	25.56	25.53	27.0	0.0



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n48								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332	22.3	0.0
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	21.13	21.18	21.08		
40	PI/2 BPSK	1	53	21.13	21.20	21.05	22.3	0.0
40	PI/2 BPSK	1	104	20.99	21.07	20.98		
40	PI/2 BPSK	50	0	21.07	21.13	21.01		
40	PI/2 BPSK	50	28	21.01	21.15	21.08	22.3	0.0
40	PI/2 BPSK	50	56	21.16	21.19	21.04	22.3	0.0
40	PI/2 BPSK	100	0	21.02	21.12	20.99		
40	QPSK	1	1	21.17	21.36	21.09		
40	QPSK	1	53	21.05	21.10	21.03	22.3	0.0
40	QPSK	1	104	21.18	21.24	21.19		
40	QPSK	50	0	20.95	21.09	21.05		
40	QPSK	50	28	21.06	21.20	21.08	22.3	0.0
40	QPSK	50	56	21.05	21.11	21.03	22.3	0.0
40	QPSK	100	0	21.08	21.17	21.04		
40	16QAM	1	1	21.11	21.17	21.05		
40	64QAM	1	1	21.06	21.13	20.99	21.0	1.3
40	256QAM	1	1	19.18	19.31	19.23	20.0	2.3
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	21.04	21.19	20.94	22.3	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	21.10	21.21	20.94	22.3	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	22.1	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	20.63	20.79	20.65		
100	PI/2 BPSK	1	137	20.58	20.69	20.59	22.1	0.0
100	PI/2 BPSK	1	271	20.51	20.66	20.63		
100	PI/2 BPSK	135	0	20.47	20.62	20.46		
100	PI/2 BPSK	135	69	20.69	20.74	20.67	22.1	0.0
100	PI/2 BPSK	135	138	20.55	20.71	20.67		
100	PI/2 BPSK	270	0	20.50	20.67	20.65		
100	QPSK	1	1	20.78	20.82	20.74	22.1	0.0
100	QPSK	1	137	20.73	20.78	20.73		
100	QPSK	1	271	20.67	20.71	20.64		
100	QPSK	135	0	20.69	20.71	20.56	22.1	0.0
100	QPSK	135	69	20.65	20.74	20.58		
100	QPSK	135	138	20.62	20.70	20.53		
100	QPSK	270	0	20.67	20.72	20.55	22.1	0.0
100	16QAM	1	1	20.71	20.73	20.60		
100	64QAM	1	1	20.53	20.67	20.62		
100	256QAM	1	1	20.46	20.63	20.52	22.1	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	20.67	20.69	20.62	22.1	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	20.70	20.69	20.57	22.1	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	20.63	20.72	20.69	22.1	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	20.71	20.66	20.68	22.1	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	20.74	20.74	20.66	22.1	0.0



Part27Q n77 PC2&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					633334		22.1	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1	20.65	20.80	20.74		
100	PI/2 BPSK	1	137	20.72	20.76	20.63		
100	PI/2 BPSK	1	271	20.61	20.74	20.67		
100	PI/2 BPSK	135	0	20.55	20.71	20.58	22.1	0.0
100	PI/2 BPSK	135	69	20.72	20.75	20.58	22.1	0.0
100	PI/2 BPSK	135	138	20.83	20.85	20.69	22.1	0.0
100	PI/2 BPSK	270	0	20.76	20.81	20.66		
100	QPSK	1	1	20.75	20.88	20.71	22.1	0.0
100	QPSK	1	137	20.70	20.85	20.76		
100	QPSK	1	271	20.68	20.81	20.77		
100	QPSK	135	0	20.67	20.70	20.58	22.1	0.0
100	QPSK	135	69	20.71	20.76	20.72	22.1	0.0
100	QPSK	135	138	20.62	20.72	20.70	22.1	0.0
100	QPSK	270	0	20.78	20.81	20.72		
100	16QAM	1	1	20.68	20.80	20.71	22.1	0.0
100	64QAM	1	1	20.64	20.76	20.61	22.1	0.0
100	256QAM	1	1	20.63	20.71	20.56	22.1	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	20.67	20.71	20.65	22.1	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	20.60	20.72	20.61	22.1	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.63	20.81	20.61	22.1	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	20.70	20.71	20.65	22.1	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	20.62	20.85	20.66	22.1	0.0



Part270 n78 PC2&3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000	22.1	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1	20.68	20.78	20.72		
100	PI/2 BPSK	1	137	20.58	20.70	20.68	22.1	0.0
100	PI/2 BPSK	1	271	20.55	20.72	20.57		
100	PI/2 BPSK	135	0	20.70	20.77	20.71		
100	PI/2 BPSK	135	69	20.68	20.74	20.57	22.1	0.0
100	PI/2 BPSK	135	138	20.60	20.66	20.61		
100	PI/2 BPSK	270	0	20.64	20.75	20.58	22.1	0.0
100	QPSK	1	1	20.74	20.85	20.81		
100	QPSK	1	137	20.53	20.69	20.60		
100	QPSK	1	271	20.70	20.79	20.73	22.1	0.0
100	QPSK	135	0	20.72	20.81	20.72		
100	QPSK	135	69	20.78	20.83	20.68		
100	QPSK	135	138	20.64	20.71	20.61	22.1	0.0
100	QPSK	270	0	20.70	20.76	20.67		
100	16QAM	1	1	20.77	20.82	20.78	22.1	0.0
100	64QAM	1	1	20.71	20.75	20.63	22.1	0.0
100	256QAM	1	1	20.62	20.69	20.66	22.1	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	20.65	20.76	20.77	22.1	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	20.59	20.77	20.65	22.1	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	20.69	20.73	20.76	22.1	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	20.58	20.82	20.65	22.1	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	20.61	20.76	20.75	22.1	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	20.63	20.73	20.76	22.1	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	20.63	20.69	20.64	22.1	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	20.72	20.76	20.75	22.1	0.0



Part27Q 78 PC2&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					633334		22.1	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1	20.64	20.69	20.62		
100	PI/2 BPSK	1	137	20.60	20.66	20.59		
100	PI/2 BPSK	1	271	20.49	20.61	20.53		
100	PI/2 BPSK	135	0	20.49	20.58	20.50	22.1	0.0
100	PI/2 BPSK	135	69	20.60	20.69	20.56	22.1	0.0
100	PI/2 BPSK	135	138	20.40	20.57	20.46	22.1	0.0
100	PI/2 BPSK	270	0	20.63	20.66	20.56		
100	QPSK	1	1	20.62	20.73	20.66	22.1	0.0
100	QPSK	1	137	20.52	20.62	20.56		
100	QPSK	1	271	20.46	20.59	20.50		
100	QPSK	135	0	20.59	20.61	20.47	22.1	0.0
100	QPSK	135	69	20.50	20.66	20.54	22.1	0.0
100	QPSK	135	138	20.55	20.64	20.60	22.1	0.0
100	QPSK	270	0	20.56	20.60	20.46		
100	16QAM	1	1	20.56	20.63	20.57	22.1	0.0
100	64QAM	1	1	20.48	20.59	20.52	22.1	0.0
100	256QAM	1	1	20.38	20.52	20.46	22.1	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	20.55	20.67	20.60	22.1	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	20.47	20.61	20.57	22.1	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	20.59	20.67	20.59	22.1	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	20.50	20.57	20.59	22.1	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	20.49	20.59	20.57	22.1	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.57	20.71	20.58	22.1	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	20.47	20.58	20.55	22.1	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	20.54	20.66	20.63	22.1	0.0



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n41								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	14.6	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	13.62	13.79	13.65		
100	PI/2 BPSK	1	137	13.64	13.71	13.67	14.6	0.0
100	PI/2 BPSK	1	271	13.70	13.74	13.58		
100	PI/2 BPSK	135	0	13.62	13.76	13.74		
100	PI/2 BPSK	135	69	13.69	13.73	13.66	14.6	0.0
100	PI/2 BPSK	135	138	13.71	13.74	13.62		
100	PI/2 BPSK	270	0	13.66	13.70	13.53		
100	QPSK	1	1	13.75	13.88	13.82	14.6	0.0
100	QPSK	1	137	13.80	13.83	13.71		
100	QPSK	1	271	13.71	13.73	13.58		
100	QPSK	135	0	13.57	13.72	13.60	14.6	0.0
100	QPSK	135	69	13.69	13.75	13.71		
100	QPSK	135	138	13.62	13.65	13.71		
100	QPSK	270	0	13.73	13.74	13.71	14.6	0.0
100	16QAM	1	1	13.76	13.82	13.76		
100	64QAM	1	1	13.62	13.76	13.66		
100	256QAM	1	1	13.61	13.71	13.63	14.6	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	13.63	13.81	13.67	14.6	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	13.59	13.74	13.77	14.6	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	13.68	13.80	13.71	14.6	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	13.72	13.77	13.73	14.6	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	13.66	13.76	13.74	14.6	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	13.69	13.84	13.67	14.6	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	13.59	13.84	13.73	14.6	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	13.61	13.75	13.72	14.6	0.0

Par270 n77								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	12.7	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	11.35	11.45	11.32		
100	PI/2 BPSK	1	137	11.32	11.47	11.38	12.7	0.0
100	PI/2 BPSK	1	271	11.36	11.44	11.28		
100	PI/2 BPSK	135	0	11.23	11.35	11.30		
100	PI/2 BPSK	135	69	11.40	11.43	11.34	12.7	0.0
100	PI/2 BPSK	135	138	11.37	11.43	11.38		
100	PI/2 BPSK	270	0	11.28	11.37	11.33		
100	QPSK	1	1	11.42	11.49	11.36	12.7	0.0
100	QPSK	1	137	11.31	11.42	11.28		
100	QPSK	1	271	11.34	11.46	11.40		
100	QPSK	135	0	11.26	11.41	11.27	12.7	0.0
100	QPSK	135	69	11.31	11.45	11.42		
100	QPSK	135	138	11.23	11.37	11.26		
100	QPSK	270	0	11.32	11.43	11.33	12.7	0.0
100	16QAM	1	1	11.31	11.33	11.23		
100	64QAM	1	1	11.37	11.42	11.27		
100	256QAM	1	1	11.25	11.38	11.33	12.7	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	11.38	11.42	11.30	12.7	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	11.26	11.36	11.21	12.7	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	11.32	11.39	11.27	12.7	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	11.40	11.40	11.25	12.7	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	11.30	11.41	11.20	12.7	0.0



Part27Q n77								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		12.7	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		11.01		12.7	0.0
100	PI/2 BPSK	1	137		11.16			
100	PI/2 BPSK	1	271		11.03			
100	PI/2 BPSK	135	0		11.01			
100	PI/2 BPSK	135	69		11.03			
100	PI/2 BPSK	135	138		11.05			
100	PI/2 BPSK	270	0		11.14		12.7	0.0
100	QPSK	1	1		11.18			
100	QPSK	1	137		11.05			
100	QPSK	1	271		11.14			
100	QPSK	135	0		11.01			
100	QPSK	135	69		11.09			
100	QPSK	135	138		11.00		12.7	0.0
100	QPSK	270	0		11.06			
100	16QAM	1	1		11.16			
100	64QAM	1	1		11.03			
100	256QAM	1	1		11.01			
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	11.07	11.14	11.01	12.7	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	11.03	11.05	11.15	12.7	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	11.13	11.08	11.02	12.7	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	11.07	11.05	11.06	12.7	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	11.02	11.12	11.11	12.7	0.0





Part270 n78								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000	12.7	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		11.32			
100	PI/2 BPSK	1	137		11.24		12.7	0.0
100	PI/2 BPSK	1	271		11.27			
100	PI/2 BPSK	135	0		11.33			
100	PI/2 BPSK	135	69		11.30		12.7	0.0
100	PI/2 BPSK	135	138		11.27		12.7	0.0
100	PI/2 BPSK	270	0		11.21			
100	QPSK	1	1		11.38			
100	QPSK	1	137		11.24		12.7	0.0
100	QPSK	1	271		11.35			
100	QPSK	135	0		11.22			
100	QPSK	135	69		11.31		12.7	0.0
100	QPSK	135	138		11.23		12.7	0.0
100	QPSK	270	0		11.31			
100	16QAM	1	1		11.35			
100	64QAM	1	1		11.27		12.7	0.0
100	256QAM	1	1		11.24		12.7	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	11.30	11.25	11.26	12.7	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	11.35	11.31	11.30	12.7	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	11.32	11.30	11.30	12.7	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	11.23	11.23	11.28	12.7	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	11.34	11.36	11.33	12.7	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	11.22	11.36	11.23	12.7	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	11.30	11.28	11.31	12.7	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	11.36	11.25	11.27	12.7	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		12.7	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		11.40			
100	PI/2 BPSK	1	137		11.35			
100	PI/2 BPSK	1	271		11.41			
100	PI/2 BPSK	135	0		11.34		12.7	0.0
100	PI/2 BPSK	135	69		11.42		12.7	0.0
100	PI/2 BPSK	135	138		11.35		12.7	0.0
100	PI/2 BPSK	270	0		11.40			
100	QPSK	1	1		11.49		12.7	0.0
100	QPSK	1	137		11.32			
100	QPSK	1	271		11.34			
100	QPSK	135	0		11.33		12.7	0.0
100	QPSK	135	69		11.42		12.7	0.0
100	QPSK	135	138		11.34		12.7	0.0
100	QPSK	270	0		11.44			
100	16QAM	1	1		11.45		12.7	0.0
100	64QAM	1	1		11.41		12.7	0.0
100	256QAM	1	1		11.32		12.7	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	11.34	11.36	11.34	12.7	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	11.37	11.45	11.40	12.7	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	11.45	11.39	11.43	12.7	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	11.38	11.38	11.42	12.7	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	11.36	11.37	11.34	12.7	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	11.35	11.39	11.40	12.7	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	11.40	11.42	11.45	12.7	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	11.41	11.37	11.37	12.7	0.0

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n41								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	10.3	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	9.43	9.49	9.44	10.3	0.0
100	PI/2 BPSK	1	137	9.34	9.40	9.32		
100	PI/2 BPSK	1	271	9.27	9.41	9.29		
100	PI/2 BPSK	135	0	9.44	9.50	9.35	10.3	0.0
100	PI/2 BPSK	135	69	9.31	9.47	9.35	10.3	0.0
100	PI/2 BPSK	135	138	9.32	9.46	9.32	10.3	0.0
100	PI/2 BPSK	270	0	9.36	9.40	9.24		
100	QPSK	1	1	9.50	9.54	9.43	10.3	0.0
100	QPSK	1	137	9.38	9.47	9.37		
100	QPSK	1	271	9.35	9.52	9.50		
100	QPSK	135	0	9.44	9.49	9.40	10.3	0.0
100	QPSK	135	69	9.36	9.51	9.40	10.3	0.0
100	QPSK	135	138	9.31	9.41	9.28	10.3	0.0
100	QPSK	270	0	9.29	9.37	9.26		
100	16QAM	1	1	9.37	9.47	9.33	10.3	0.0
100	64QAM	1	1	9.39	9.44	9.36	10.3	0.0
100	256QAM	1	1	9.30	9.36	9.32	10.3	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	9.38	9.38	9.37	10.3	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	9.35	9.51	9.35	10.3	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	9.42	9.47	9.36	10.3	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	9.46	9.50	9.38	10.3	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	9.44	9.40	9.29	10.3	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	9.47	9.48	9.29	10.3	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	9.34	9.40	9.38	10.3	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	9.40	9.51	9.31	10.3	0.0



Par270 n77								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	9.0	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	7.94	8.01	7.89		
100	PI/2 BPSK	1	137	7.77	7.90	7.80	9.0	0.0
100	PI/2 BPSK	1	271	7.89	7.98	7.93		
100	PI/2 BPSK	135	0	7.92	7.94	7.75		
100	PI/2 BPSK	135	69	7.95	7.99	7.80	9.0	0.0
100	PI/2 BPSK	135	138	7.84	7.99	7.90		
100	PI/2 BPSK	270	0	7.99	7.97	7.84		
100	QPSK	1	1	8.05	8.10	7.89	9.0	0.0
100	QPSK	1	137	7.81	7.93	7.83		
100	QPSK	1	271	7.88	7.98	7.91		
100	QPSK	135	0	7.79	7.95	7.86	9.0	0.0
100	QPSK	135	69	7.91	8.01	7.90		
100	QPSK	135	138	7.72	7.97	7.85		
100	QPSK	270	0	7.81	7.89	7.73	9.0	0.0
100	16QAM	1	1	7.89	7.96	7.85		
100	64QAM	1	1	7.90	7.99	7.89		
100	256QAM	1	1	7.78	7.89	7.80	9.0	0.0
Channel				649334	656000	662668		
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	7.97	7.88	7.89	9.0	0.0
Channel				648668	656000	663334		
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	7.93	7.98	7.88	9.0	0.0
Channel				648000	656000	664000		
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	7.93	7.86	7.82	9.0	0.0
Channel				647668	656000	664334		
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	7.83	7.98	7.80	9.0	0.0
Channel				647334	656000	664668		
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	7.93	8.00	7.92	9.0	0.0



Part27Q n77								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		9.0	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		8.08		9.0	0.0
100	PI/2 BPSK	1	137		8.06			
100	PI/2 BPSK	1	271		7.98			
100	PI/2 BPSK	135	0		8.07		9.0	0.0
100	PI/2 BPSK	135	69		8.05		9.0	0.0
100	PI/2 BPSK	135	138		8.01		9.0	0.0
100	PI/2 BPSK	270	0		8.09		9.0	0.0
100	QPSK	1	1		8.16			
100	QPSK	1	137		8.10			
100	QPSK	1	271		8.10		9.0	0.0
100	QPSK	135	0		8.09			
100	QPSK	135	69		8.06			
100	QPSK	135	138		8.04		9.0	0.0
100	QPSK	270	0		8.05		9.0	0.0
100	16QAM	1	1		8.06			
100	64QAM	1	1		7.98			
100	256QAM	1	1		7.99		9.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	7.98	7.98	8.14	9.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	8.11	8.00	8.09	9.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	8.08	8.02	8.00	9.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	8.02	8.03	8.07	9.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	8.05	8.05	7.95	9.0	0.0



Part270 n78								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000	9.0	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		8.17			
100	PI/2 BPSK	1	137		8.15		9.0	0.0
100	PI/2 BPSK	1	271		8.15			
100	PI/2 BPSK	135	0		8.11			
100	PI/2 BPSK	135	69		8.20		9.0	0.0
100	PI/2 BPSK	135	138		8.07		9.0	0.0
100	PI/2 BPSK	270	0		8.09			
100	QPSK	1	1		8.24			
100	QPSK	1	137		8.19		9.0	0.0
100	QPSK	1	271		8.14			
100	QPSK	135	0		8.07			
100	QPSK	135	69		8.22		9.0	0.0
100	QPSK	135	138		8.13		9.0	0.0
100	QPSK	270	0		8.21			
100	16QAM	1	1		8.09			
100	64QAM	1	1		8.15		9.0	0.0
100	256QAM	1	1		8.00		9.0	0.0
Channel				649665	649998	650331	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3742.48	3747.49	3752.53		
90	QPSK	1	1	8.08	8.09	8.07	9.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	8.17	8.11	8.10	9.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	8.15	8.09	8.13	9.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	8.20	8.03	8.07	9.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	8.14	8.14	8.12	9.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	8.14	8.19	8.08	9.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	8.09	8.10	8.12	9.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	8.11	8.05	8.17	9.0	0.0



Part27Q 78										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel					633334		9.0	0.0		
Frequency (MHz)					3500.01					
100	PI/2 BPSK	1	1		8.02					
100	PI/2 BPSK	1	137		8.08		9.0	0.0		
100	PI/2 BPSK	1	271		8.02					
100	PI/2 BPSK	135	0		8.09					
100	PI/2 BPSK	135	69		8.05		9.0	0.0		
100	PI/2 BPSK	135	138		8.11					
100	PI/2 BPSK	270	0		8.12					
100	QPSK	1	1		8.17		9.0	0.0		
100	QPSK	1	137		8.03					
100	QPSK	1	271		8.10					
100	QPSK	135	0		8.04		9.0	0.0		
100	QPSK	135	69		8.13					
100	QPSK	135	138		8.02					
100	QPSK	270	0		8.10		9.0	0.0		
100	16QAM	1	1		8.05					
100	64QAM	1	1		8.14					
100	256QAM	1	1		8.01		9.0	0.0		
Channel				633000	633334	633668			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02				
90	QPSK	1	1	7.97	7.99	8.10	9.0	0.0		
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3490.02	3500.01	3510				
80	QPSK	1	1	8.07	8.09	8.04	9.0	0.0		
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3485.01	3500.01	3515.01				
70	QPSK	1	1	8.15	8.09	8.16	9.0	0.0		
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3480	3500.01	3520.02				
60	QPSK	1	1	8.14	8.04	8.01	9.0	0.0		
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3475.02	3500.01	3525				
50	QPSK	1	1	8.06	8.09	8.05	9.0	0.0		
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3470.01	3500.01	3530.01				
40	QPSK	1	1	8.09	8.08	8.07	9.0	0.0		
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3465	3500.01	3535.02				
30	QPSK	1	1	8.09	8.11	8.12	9.0	0.0		
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3460.02	3500.01	3540				
20	QPSK	1	1	8.09	7.98	8.09	9.0	0.0		

**Reduced Power Mode for DSI 3**

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n2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000	17.1	0.0
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	15.52	15.62	15.55		
20	PI/2 BPSK	1	53	15.59	15.58	15.42	17.1	0.0
20	PI/2 BPSK	1	104	15.57	15.55	15.54		
20	PI/2 BPSK	50	0	15.46	15.51	15.47		
20	PI/2 BPSK	50	28	15.52	15.57	15.43	17.1	0.0
20	PI/2 BPSK	50	56	15.55	15.49	15.52		
20	PI/2 BPSK	100	0	15.44	15.61	15.41		
20	QPSK	1	1	15.62	15.66	15.59	17.1	0.0
20	QPSK	1	53	15.57	15.50	15.57		
20	QPSK	1	104	15.56	15.64	15.47		
20	QPSK	50	0	15.46	15.50	15.43	17.1	0.0
20	QPSK	50	28	15.55	15.61	15.43		
20	QPSK	50	56	15.57	15.54	15.46		
20	QPSK	100	0	15.46	15.58	15.49	17.1	0.0
20	16QAM	1	1	15.54	15.49	15.42		
20	64QAM	1	1	15.49	15.53	15.54		
20	256QAM	1	1	15.45	15.50	15.47	17.1	0.0
Channel				371500	376000	380500		
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	15.45	15.53	15.43	17.1	0.0
Channel				371000	376000	381000		
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	15.37	15.57	15.50	17.1	0.0
Channel				370500	376000	381500		
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	15.35	15.44	15.39	17.1	0.0





n5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	20.2	0.0
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	18.93	19.03	18.88		
20	PI/2 BPSK	1	53	18.83	18.95	18.85	20.2	0.0
20	PI/2 BPSK	1	104	18.97	19.07	19.00		
20	PI/2 BPSK	50	0	18.94	19.05	18.90		
20	PI/2 BPSK	50	28	18.95	19.04	18.95	20.2	0.0
20	PI/2 BPSK	50	56	18.87	18.97	18.89	20.2	0.0
20	PI/2 BPSK	100	0	18.92	19.08	19.01		
20	QPSK	1	1	19.09	19.16	19.03		
20	QPSK	1	53	18.95	18.98	18.89	20.2	0.0
20	QPSK	1	104	18.92	19.02	18.90		
20	QPSK	50	0	18.93	19.01	18.99		
20	QPSK	50	28	18.93	19.07	18.94	20.2	0.0
20	QPSK	50	56	18.82	18.95	18.82	20.2	0.0
20	QPSK	100	0	18.82	18.95	18.86		
20	16QAM	1	1	18.98	19.02	18.95		
20	64QAM	1	1	18.94	19.04	18.94	20.2	0.0
20	256QAM	1	1	18.88	18.96	18.81	20.2	0.0
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	19.05	19.03	18.92	20.2	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	19.03	18.95	18.97	20.2	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	18.99	19.04	18.96	20.2	0.0



n7								
BW [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				505000	507000	509000	11.4	0.0
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	10.06	10.20	10.13		
50	PI/2 BPSK	1	135	10.11	10.15	9.98	11.4	0.0
50	PI/2 BPSK	1	268	10.05	10.08	9.98		
50	PI/2 BPSK	135	0	10.01	10.14	9.99	11.4	0.0
50	PI/2 BPSK	135	68	10.11	10.20	10.05	11.4	0.0
50	PI/2 BPSK	135	135	10.10	10.14	9.99	11.4	0.0
50	PI/2 BPSK	270	0	10.06	10.13	9.97		
50	QPSK	1	1	10.18	10.28	10.15	11.4	0.0
50	QPSK	1	135	10.07	10.23	10.09		
50	QPSK	1	268	10.11	10.16	10.03		
50	QPSK	135	0	10.15	10.21	10.09	11.4	0.0
50	QPSK	135	68	10.13	10.25	10.04	11.4	0.0
50	QPSK	135	135	10.14	10.19	10.09	11.4	0.0
50	QPSK	270	0	10.10	10.20	10.15		
50	16QAM	1	1	10.13	10.21	10.18	11.4	0.0
50	64QAM	1	1	10.08	10.13	10.01	11.4	0.0
50	256QAM	1	1	9.96	10.09	10.04	11.4	0.0
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	10.04	10.15	10.00	11.4	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	10.09	10.14	10.07	11.4	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	10.13	10.09	9.98	11.4	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	10.02	10.10	10.03	11.4	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	10.14	10.21	10.05	11.4	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	10.07	10.09	10.13	11.4	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	10.14	10.16	10.05	11.4	0.0



n12								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141300	141500	141700	20.1	0.0
Frequency (MHz)				706.5	707.5	708.5		
15	PI/2 BPSK	1	1	18.52	18.67	18.60		
15	PI/2 BPSK	1	40	18.51	18.57	18.43	20.1	0.0
15	PI/2 BPSK	1	77	18.50	18.60	18.47		
15	PI/2 BPSK	36	0	18.51	18.56	18.43		
15	PI/2 BPSK	36	22	18.60	18.62	18.59	20.1	0.0
15	PI/2 BPSK	36	43	18.49	18.59	18.46	20.1	0.0
15	PI/2 BPSK	75	0	18.36	18.53	18.39		
15	QPSK	1	1	18.68	18.72	18.62		
15	QPSK	1	40	18.51	18.60	18.49	20.1	0.0
15	QPSK	1	77	18.41	18.57	18.46		
15	QPSK	36	0	18.43	18.56	18.52		
15	QPSK	36	22	18.59	18.70	18.62	20.1	0.0
15	QPSK	36	43	18.58	18.61	18.50	20.1	0.0
15	QPSK	75	0	18.40	18.56	18.51		
15	16QAM	1	1	18.47	18.57	18.51		
15	64QAM	1	1	18.49	18.64	18.52	20.1	0.0
	256QAM	1	1	17.96	17.98	17.91	19.5	0.6
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	18.52	18.58	18.55	20.1	0.0
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	1	18.57	18.58	18.55	20.1	0.0



n13								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					156400		20.6	0.0
Frequency (MHz)					782			
10	PI/2 BPSK	1	1		19.30		20.6	0.0
10	PI/2 BPSK	1	26		19.17			
10	PI/2 BPSK	1	50		19.01			
10	PI/2 BPSK	25	0		19.26		20.6	0.0
10	PI/2 BPSK	25	14		19.19		20.6	0.0
10	PI/2 BPSK	25	27		19.20		20.6	0.0
10	PI/2 BPSK	50	0		19.25			
10	QPSK	1	1		19.31		20.6	0.0
10	QPSK	1	26		19.25			
10	QPSK	1	50		19.03			
10	QPSK	25	0		19.11		20.6	0.0
10	QPSK	25	14		19.14		20.6	0.0
10	QPSK	25	27		19.06		20.6	0.0
10	QPSK	50	0		18.88			
10	16QAM	1	1		19.14		20.6	0.0
10	64QAM	1	1		19.15		20.6	0.0
10	256QAM	1	1		18.48		19.5	1.1
Channel				155900	156400	156900	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	1	19.15	19.18	19.20	20.6	0.0



n14								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					158600		20.6	0.0
Frequency (MHz)					793			
10	PI/2 BPSK	1	1		19.31		20.6	0.0
10	PI/2 BPSK	1	26		19.18			
10	PI/2 BPSK	1	50		19.00			
10	PI/2 BPSK	25	0		19.24		20.6	0.0
10	PI/2 BPSK	25	14		19.17		20.6	0.0
10	PI/2 BPSK	25	27		19.21		20.6	0.0
10	PI/2 BPSK	50	0		19.22			
10	QPSK	1	1		19.35		20.6	0.0
10	QPSK	1	26		19.27			
10	QPSK	1	50		19.05			
10	QPSK	25	0		19.10		20.6	0.0
10	QPSK	25	14		19.20		20.6	0.0
10	QPSK	25	27		19.12		20.6	0.0
10	QPSK	50	0		18.96			
10	16QAM	1	1		19.09		20.6	0.0
10	64QAM	1	1		19.19		20.6	0.0
10	256QAM	1	1		18.52		19.5	1.1
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				790.5	793	795.5		
5	QPSK	1	1	19.22	19.24	19.19	20.6	0.0



n25								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376500	381000	17.1	0.0
Frequency (MHz)				1860	1882.5	1905		
20	PI/2 BPSK	1	1	15.51	15.57	15.53		
20	PI/2 BPSK	1	53	15.46	15.53	15.42	17.1	0.0
20	PI/2 BPSK	1	104	15.46	15.50	15.37		
20	PI/2 BPSK	50	0	15.32	15.48	15.38		
20	PI/2 BPSK	50	28	15.42	15.56	15.46	17.1	0.0
20	PI/2 BPSK	50	56	15.37	15.52	15.48	17.1	0.0
20	PI/2 BPSK	100	0	15.49	15.53	15.43		
20	QPSK	1	1	15.51	15.69	15.60		
20	QPSK	1	53	15.56	15.59	15.43	17.1	0.0
20	QPSK	1	104	15.42	15.57	15.45		
20	QPSK	50	0	15.31	15.48	15.42		
20	QPSK	50	28	15.52	15.58	15.47	17.1	0.0
20	QPSK	50	56	15.44	15.54	15.45	17.1	0.0
20	QPSK	100	0	15.46	15.53	15.41		
20	16QAM	1	1	15.46	15.60	15.55		
20	64QAM	1	1	15.39	15.51	15.36	17.1	0.0
20	256QAM	1	1	15.33	15.46	15.44	17.1	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	15.47	15.50	15.45	17.1	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	15.43	15.60	15.52	17.1	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	15.44	15.52	15.48	17.1	0.0



n66								
BW [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				345000	349000	353000	16.7	0.0
Frequency (MHz)				1725	1745	1765		
30	PI/2 BPSK	1	1	15.21	15.27	15.24		
30	PI/2 BPSK	1	80	15.15	15.22	15.12	16.7	0.0
30	PI/2 BPSK	1	158	15.16	15.21	15.06		
30	PI/2 BPSK	80	0	15.03	15.19	15.10		
30	PI/2 BPSK	80	40	15.13	15.28	15.16	16.7	0.0
30	PI/2 BPSK	80	80	15.06	15.24	15.17	16.7	0.0
30	PI/2 BPSK	160	0	15.20	15.23	15.14		
30	QPSK	1	1	15.27	15.34	15.24	16.7	0.0
30	QPSK	1	80	15.26	15.29	15.14		
30	QPSK	1	158	15.10	15.29	15.16		
30	QPSK	80	0	15.01	15.16	15.12	16.7	0.0
30	QPSK	80	40	15.22	15.28	15.16	16.7	0.0
30	QPSK	80	80	15.14	15.23	15.16	16.7	0.0
30	QPSK	160	0	15.15	15.21	15.11		
30	16QAM	1	1	15.16	15.29	15.26	16.7	0.0
30	64QAM	1	1	15.10	15.22	15.04	16.7	0.0
30	256QAM	1	1	15.02	15.15	15.13	16.7	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	15.24	15.27	15.13	16.7	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	15.24	15.28	15.12	16.7	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	15.26	15.30	15.14	16.7	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	15.26	15.28	15.11	16.7	0.0



n71								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	136100	137600	20.4	0.0
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	18.91	18.95	18.92		
20	PI/2 BPSK	1	53	18.84	18.93	18.80	20.4	0.0
20	PI/2 BPSK	1	104	18.86	18.89	18.78		
20	PI/2 BPSK	50	0	18.71	18.87	18.78		
20	PI/2 BPSK	50	28	18.83	18.94	18.88	20.4	0.0
20	PI/2 BPSK	50	56	18.79	18.93	18.86	20.4	0.0
20	PI/2 BPSK	100	0	18.89	18.94	18.83		
20	QPSK	1	1	19.00	19.05	19.03		
20	QPSK	1	53	18.97	18.98	18.81	20.4	0.0
20	QPSK	1	104	18.83	18.98	18.84		
20	QPSK	50	0	18.72	18.90	18.81		
20	QPSK	50	28	18.92	18.96	18.89	20.4	0.0
20	QPSK	50	56	18.85	18.94	18.85	20.4	0.0
20	QPSK	100	0	18.88	18.93	18.83		
20	16QAM	1	1	18.85	19.00	18.93		
20	64QAM	1	1	18.77	18.91	18.77	20.4	0.0
20	256QAM	1	1	18.72	18.87	18.82	19.5	0.9
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	18.97	19.00	18.83	20.4	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	18.94	18.98	18.83	20.4	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	18.95	19.00	18.83	20.4	0.0





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n41								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	10.4	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	9.35	9.43	9.29		
100	PI/2 BPSK	1	137	9.35	9.40	9.36	10.4	0.0
100	PI/2 BPSK	1	271	9.21	9.35	9.30		
100	PI/2 BPSK	135	0	9.27	9.38	9.34		
100	PI/2 BPSK	135	69	9.28	9.41	9.33	10.4	0.0
100	PI/2 BPSK	135	138	9.25	9.35	9.30		
100	PI/2 BPSK	270	0	9.31	9.38	9.34		
100	QPSK	1	1	9.41	9.46	9.38	10.4	0.0
100	QPSK	1	137	9.26	9.40	9.28		
100	QPSK	1	271	9.24	9.35	9.22		
100	QPSK	135	0	9.24	9.34	9.21	10.4	0.0
100	QPSK	135	69	9.30	9.36	9.32		
100	QPSK	135	138	9.26	9.35	9.28		
100	QPSK	270	0	9.31	9.35	9.32	10.4	0.0
100	16QAM	1	1	9.29	9.39	9.27		
100	64QAM	1	1	9.17	9.29	9.17		
100	256QAM	1	1	9.19	9.33	9.25	10.4	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	9.28	9.37	9.27	10.4	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	9.32	9.37	9.24	10.4	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	9.31	9.35	9.24	10.4	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	9.33	9.38	9.31	10.4	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	9.26	9.35	9.33	10.4	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	9.35	9.43	9.28	10.4	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	9.28	9.42	9.26	10.4	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	9.34	9.31	9.27	10.4	0.0



Par270 n77								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	11.6	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	10.64	10.77	10.74		
100	PI/2 BPSK	1	137	10.73	10.79	10.69	11.6	0.0
100	PI/2 BPSK	1	271	10.73	10.82	10.69		
100	PI/2 BPSK	135	0	10.73	10.80	10.69		
100	PI/2 BPSK	135	69	10.83	10.88	10.83	11.6	0.0
100	PI/2 BPSK	135	138	10.70	10.79	10.74	11.6	0.0
100	PI/2 BPSK	270	0	10.73	10.81	10.76		
100	QPSK	1	1	10.80	10.91	10.88		
100	QPSK	1	137	10.83	10.86	10.71	11.6	0.0
100	QPSK	1	271	10.74	10.87	10.79		
100	QPSK	135	0	10.74	10.78	10.72		
100	QPSK	135	69	10.76	10.84	10.78	11.6	0.0
100	QPSK	135	138	10.74	10.81	10.68	11.6	0.0
100	QPSK	270	0	10.74	10.79	10.66		
100	16QAM	1	1	10.66	10.75	10.71		
100	64QAM	1	1	10.70	10.85	10.73	11.6	0.0
100	256QAM	1	1	10.70	10.74	10.64	11.6	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	10.66	10.86	10.81	11.6	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	10.76	10.80	10.80	11.6	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	10.73	10.79	10.82	11.6	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	10.74	10.84	10.79	11.6	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	10.72	10.83	10.77	11.6	0.0



Part27Q n77								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		11.6	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		10.98			
100	PI/2 BPSK	1	137		10.88			
100	PI/2 BPSK	1	271		11.00			
100	PI/2 BPSK	135	0		10.99		11.6	0.0
100	PI/2 BPSK	135	69		10.87		11.6	0.0
100	PI/2 BPSK	135	138		11.01		11.6	0.0
100	PI/2 BPSK	270	0		10.96			
100	QPSK	1	1		11.04		11.6	0.0
100	QPSK	1	137		11.01			
100	QPSK	1	271		10.92			
100	QPSK	135	0		10.91		11.6	0.0
100	QPSK	135	69		10.98		11.6	0.0
100	QPSK	135	138		10.94		11.6	0.0
100	QPSK	270	0		10.98			
100	16QAM	1	1		10.95		11.6	0.0
100	64QAM	1	1		10.98		11.6	0.0
100	256QAM	1	1		10.90		11.6	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	10.94	11.01	10.94	11.6	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	10.88	10.90	10.95	11.6	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	11.00	11.00	10.92	11.6	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	11.01	11.02	10.88	11.6	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	11.00	11.00	10.94	11.6	0.0



Part270 n78								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000	11.6	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		10.95			
100	PI/2 BPSK	1	137		10.96		11.6	0.0
100	PI/2 BPSK	1	271		10.88			
100	PI/2 BPSK	135	0		10.98			
100	PI/2 BPSK	135	69		10.93		11.6	0.0
100	PI/2 BPSK	135	138		10.96		11.6	0.0
100	PI/2 BPSK	270	0		11.00			
100	QPSK	1	1		11.06			
100	QPSK	1	137		11.00		11.6	0.0
100	QPSK	1	271		10.97			
100	QPSK	135	0		10.97			
100	QPSK	135	69		11.04		11.6	0.0
100	QPSK	135	138		10.99		11.6	0.0
100	QPSK	270	0		10.99			
100	16QAM	1	1		11.00			
100	64QAM	1	1		10.95		11.6	0.0
100	256QAM	1	1		10.91		11.6	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	10.92	10.91	10.96	11.6	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	10.92	10.94	11.04	11.6	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	11.00	10.98	11.00	11.6	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	10.95	10.95	10.91	11.6	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	10.97	10.92	10.97	11.6	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	10.97	11.02	10.96	11.6	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	10.92	11.00	11.01	11.6	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	10.93	10.97	10.99	11.6	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		11.6	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		10.84			
100	PI/2 BPSK	1	137		10.97			
100	PI/2 BPSK	1	271		10.84			
100	PI/2 BPSK	135	0		10.86		11.6	0.0
100	PI/2 BPSK	135	69		10.86		11.6	0.0
100	PI/2 BPSK	135	138		10.95		11.6	0.0
100	PI/2 BPSK	270	0		10.91			
100	QPSK	1	1		10.99		11.6	0.0
100	QPSK	1	137		10.93			
100	QPSK	1	271		10.95			
100	QPSK	135	0		10.82		11.6	0.0
100	QPSK	135	69		10.88		11.6	0.0
100	QPSK	135	138		10.79		11.6	0.0
100	QPSK	270	0		10.93			
100	16QAM	1	1		10.94		11.6	0.0
100	64QAM	1	1		10.88		11.6	0.0
100	256QAM	1	1		10.83		11.6	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	10.94	10.95	10.90	11.6	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	10.92	10.83	10.85	11.6	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	10.95	10.91	10.89	11.6	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	10.95	10.88	10.83	11.6	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	10.92	10.82	10.97	11.6	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	10.96	10.93	10.96	11.6	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	10.89	10.89	10.96	11.6	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	10.87	10.94	10.96	11.6	0.0

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n2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000	15.6	0.0
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	14.64	14.79	14.63		
20	PI/2 BPSK	1	53	14.78	14.86	14.80	15.6	0.0
20	PI/2 BPSK	1	104	14.69	14.75	14.66		
20	PI/2 BPSK	50	0	14.62	14.77	14.64		
20	PI/2 BPSK	50	28	14.71	14.84	14.78	15.6	0.0
20	PI/2 BPSK	50	56	14.74	14.84	14.80	15.6	0.0
20	PI/2 BPSK	100	0	14.64	14.81	14.73		
20	QPSK	1	1	14.83	14.91	14.90		
20	QPSK	1	53	14.68	14.76	14.65	15.6	0.0
20	QPSK	1	104	14.72	14.84	14.79		
20	QPSK	50	0	14.66	14.80	14.69		
20	QPSK	50	28	14.83	14.86	14.69	15.6	0.0
20	QPSK	50	56	14.74	14.84	14.74	15.6	0.0
20	QPSK	100	0	14.63	14.77	14.66		
20	16QAM	1	1	14.67	14.81	14.66		
20	64QAM	1	1	14.64	14.78	14.71	15.6	0.0
20	256QAM	1	1	14.61	14.74	14.60	15.6	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	14.71	14.88	14.82	15.6	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	14.67	14.83	14.85	15.6	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	14.78	14.82	14.82	15.6	0.0

n5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	24.5	0.0
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	23.41	23.52	23.50		
20	PI/2 BPSK	1	53	23.36	23.39	23.25	24.5	0.0
20	PI/2 BPSK	1	104	23.24	23.27	23.17		
20	PI/2 BPSK	50	0	23.48	23.55	23.40		
20	PI/2 BPSK	50	28	23.40	23.44	23.33	24.5	0.0
20	PI/2 BPSK	50	56	23.25	23.38	23.22	24.5	0.0
20	PI/2 BPSK	100	0	23.44	23.50	23.40		
20	QPSK	1	1	23.57	23.59	23.51		
20	QPSK	1	53	23.35	23.44	23.28	24.5	0.0
20	QPSK	1	104	23.20	23.36	23.25		
20	QPSK	50	0	23.43	23.48	23.40		
20	QPSK	50	28	23.40	23.56	23.47	24.5	0.0
20	QPSK	50	56	23.35	23.41	23.32	24.0	0.5
20	QPSK	100	0	23.36	23.53	23.38		
20	16QAM	1	1	23.22	23.39	23.25		
20	64QAM	1	1	22.13	22.30	22.24	22.5	2.0
20	256QAM	1	1	20.09	20.26	20.15	20.5	4.0
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.54	23.55	23.39	24.5	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.42	23.46	23.35	24.5	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	23.46	23.44	23.43	24.5	0.0



n7								
BW [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				505000	507000	509000	16.7	0.0
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	15.63	15.67	15.55		
50	PI/2 BPSK	1	135	15.66	15.71	15.67	16.7	0.0
50	PI/2 BPSK	1	268	15.65	15.70	15.62		
50	PI/2 BPSK	135	0	15.56	15.65	15.53		
50	PI/2 BPSK	135	68	15.56	15.59	15.53	16.7	0.0
50	PI/2 BPSK	135	135	15.50	15.64	15.49	16.7	0.0
50	PI/2 BPSK	270	0	15.50	15.59	15.50		
50	QPSK	1	1	15.66	15.74	15.62		
50	QPSK	1	135	15.56	15.58	15.56	16.7	0.0
50	QPSK	1	268	15.46	15.56	15.40		
50	QPSK	135	0	15.38	15.47	15.32		
50	QPSK	135	68	15.56	15.62	15.49	16.7	0.0
50	QPSK	135	135	15.31	15.42	15.35	16.7	0.0
50	QPSK	270	0	15.48	15.59	15.43		
50	16QAM	1	1	15.48	15.65	15.51		
50	64QAM	1	1	15.43	15.52	15.48	16.7	0.0
50	256QAM	1	1	15.39	15.50	15.34	16.7	0.0
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	15.60	15.60	15.55	16.7	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	15.60	15.65	15.58	16.7	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	15.57	15.72	15.57	16.7	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	15.58	15.70	15.53	16.7	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	15.51	15.62	15.60	16.7	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	15.62	15.58	15.55	16.7	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	15.58	15.69	15.57	16.7	0.0





n25								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	PI/2 BPSK	1	1	14.78	14.89	14.76	15.6	0.0
20	PI/2 BPSK	1	53	14.72	14.87	14.81		
20	PI/2 BPSK	1	104	14.75	14.86	14.84		
20	PI/2 BPSK	50	0	14.75	14.91	14.83	15.6	0.0
20	PI/2 BPSK	50	28	14.79	14.92	14.83	15.6	0.0
20	PI/2 BPSK	50	56	14.83	14.90	14.75	15.6	0.0
20	PI/2 BPSK	100	0	14.84	14.93	14.79		
20	QPSK	1	1	14.91	14.95	14.85	15.6	0.0
20	QPSK	1	53	14.76	14.91	14.77		
20	QPSK	1	104	14.79	14.90	14.79		
20	QPSK	50	0	14.80	14.91	14.83	15.6	0.0
20	QPSK	50	28	14.81	14.94	14.85	15.6	0.0
20	QPSK	50	56	14.74	14.85	14.68	15.6	0.0
20	QPSK	100	0	14.80	14.90	14.83		
20	16QAM	1	1	14.79	14.88	14.83	15.6	0.0
20	64QAM	1	1	14.77	14.82	14.74	15.6	0.0
20	256QAM	1	1	14.64	14.79	14.63	15.6	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	14.78	14.90	14.72	15.6	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	14.78	14.92	14.80	15.6	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	14.80	14.81	14.70	15.6	0.0



n66								
BW [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				345000	349000	353000	18.1	0.0
Frequency (MHz)				1725	1745	1765		
30	PI/2 BPSK	1	1	17.34	17.36	17.22		
30	PI/2 BPSK	1	80	17.40	17.43	17.30	18.1	0.0
30	PI/2 BPSK	1	158	17.20	17.34	17.22		
30	PI/2 BPSK	80	0	17.38	17.40	17.29		
30	PI/2 BPSK	80	40	17.29	17.36	17.24	18.1	0.0
30	PI/2 BPSK	80	80	17.36	17.40	17.34	18.1	0.0
30	PI/2 BPSK	160	0	17.30	17.38	17.22		
30	QPSK	1	1	17.41	17.45	17.36	18.1	0.0
30	QPSK	1	80	17.28	17.40	17.34		
30	QPSK	1	158	17.38	17.40	17.32		
30	QPSK	80	0	17.12	17.22	17.16	18.1	0.0
30	QPSK	80	40	17.38	17.41	17.27	18.1	0.0
30	QPSK	80	80	17.29	17.39	17.28	18.1	0.0
30	QPSK	160	0	17.26	17.42	17.28		
30	16QAM	1	1	17.38	17.41	17.34	18.1	0.0
30	64QAM	1	1	17.32	17.37	17.21	18.1	0.0
30	256QAM	1	1	17.23	17.31	17.17	18.1	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	17.37	17.33	17.29	18.1	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	17.39	17.37	17.34	18.1	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	17.31	17.34	17.31	18.1	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	17.33	17.36	17.21	18.1	0.0



n38								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996	17.5	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	16.32	16.41	16.29		
40	PI/2 BPSK	1	53	16.37	16.42	16.31	17.5	0.0
40	PI/2 BPSK	1	104	16.37	16.47	16.40		
40	PI/2 BPSK	50	0	16.28	16.38	16.33		
40	PI/2 BPSK	50	28	16.37	16.48	16.31	17.5	0.0
40	PI/2 BPSK	50	56	16.20	16.37	16.26	17.5	0.0
40	PI/2 BPSK	100	0	16.19	16.35	16.19		
40	QPSK	1	1	16.47	16.50	16.42		
40	QPSK	1	53	16.27	16.37	16.31	17.5	0.0
40	QPSK	1	104	16.26	16.34	16.24		
40	QPSK	50	0	16.29	16.39	16.25		
40	QPSK	50	28	16.35	16.44	16.39	17.5	0.0
40	QPSK	50	56	16.23	16.34	16.26	17.5	0.0
40	QPSK	100	0	16.31	16.40	16.31		
40	16QAM	1	1	16.39	16.45	16.35		
40	64QAM	1	1	16.23	16.34	16.19	17.5	0.0
40	256QAM	1	1	16.30	16.38	16.24	17.5	0.0
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	16.43	16.39	16.35	17.5	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	16.36	16.34	16.29	17.5	0.0



n41 PC2&3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	17.5	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	16.37	16.44	16.33		
100	PI/2 BPSK	1	137	16.35	16.41	16.31	17.5	0.0
100	PI/2 BPSK	1	271	16.33	16.49	16.44		
100	PI/2 BPSK	135	0	16.24	16.39	16.28		
100	PI/2 BPSK	135	69	16.42	16.46	16.37	17.5	0.0
100	PI/2 BPSK	135	138	16.28	16.40	16.36		
100	PI/2 BPSK	270	0	16.42	16.49	16.47		
100	QPSK	1	1	16.35	16.53	16.44	17.5	0.0
100	QPSK	1	137	16.41	16.48	16.41		
100	QPSK	1	271	16.35	16.49	16.35		
100	QPSK	135	0	16.41	16.45	16.39	17.5	0.0
100	QPSK	135	69	16.39	16.50	16.36		
100	QPSK	135	138	16.35	16.41	16.27		
100	QPSK	270	0	16.36	16.39	16.22	17.5	0.0
100	16QAM	1	1	16.32	16.47	16.36		
100	64QAM	1	1	16.38	16.42	16.34		
100	256QAM	1	1	16.21	16.37	16.27	17.5	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	16.32	16.51	16.30	17.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	16.19	16.38	16.29	17.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	16.21	16.42	16.31	17.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	16.30	16.46	16.34	17.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	16.33	16.39	16.37	17.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	16.30	16.44	16.33	17.5	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	16.28	16.49	16.34	17.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	16.31	16.45	16.39	17.5	0.0



<Ant3>

n48								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332	10.1	0.0
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	9.01	9.10	8.97	10.1	0.0
40	PI/2 BPSK	1	53	8.99	9.02	8.99		
40	PI/2 BPSK	1	104	8.96	9.09	9.07		
40	PI/2 BPSK	50	0	8.99	9.06	8.99	10.1	0.0
40	PI/2 BPSK	50	28	8.94	9.09	9.03	10.1	0.0
40	PI/2 BPSK	50	56	9.07	9.15	9.07	10.1	0.0
40	PI/2 BPSK	100	0	8.95	9.01	8.99		
40	QPSK	1	1	9.03	9.18	8.86	10.1	0.0
40	QPSK	1	53	9.06	9.11	9.00		
40	QPSK	1	104	8.96	9.08	8.97		
40	QPSK	50	0	9.04	9.09	9.02	10.1	0.0
40	QPSK	50	28	8.93	9.15	8.95	10.1	0.0
40	QPSK	50	56	8.97	9.06	9.02	10.1	0.0
40	QPSK	100	0	9.00	9.13	9.03		
40	16QAM	1	1	8.95	9.05	9.02	10.1	0.0
40	64QAM	1	1	9.04	9.12	9.09	10.1	0.0
40	256QAM	1	1	8.98	9.04	8.91	10.1	0.0
Channel				637334	641666	646000	10.1	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	8.97	9.10	8.82	10.1	0.0
Channel				637000	641666	646332	10.1	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	8.98	9.15	8.71	10.1	0.0



Par270 n77 PC2&3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	9.0	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	7.94	8.02	7.91		
100	PI/2 BPSK	1	137	7.93	7.96	7.90	9.0	0.0
100	PI/2 BPSK	1	271	7.87	7.98	7.89		
100	PI/2 BPSK	135	0	7.90	8.05	7.88		
100	PI/2 BPSK	135	69	7.88	7.97	7.85	9.0	0.0
100	PI/2 BPSK	135	138	7.95	8.02	7.95		
100	PI/2 BPSK	270	0	7.84	7.98	7.81		
100	QPSK	1	1	7.97	8.13	8.01	9.0	0.0
100	QPSK	1	137	7.88	7.97	7.82		
100	QPSK	1	271	7.91	8.06	7.93		
100	QPSK	135	0	7.91	7.98	7.93	9.0	0.0
100	QPSK	135	69	7.97	8.05	7.98		
100	QPSK	135	138	7.85	7.99	7.84		
100	QPSK	270	0	7.94	7.99	7.87	9.0	0.0
100	16QAM	1	1	8.06	8.10	8.01		
100	64QAM	1	1	7.92	8.03	7.87		
100	256QAM	1	1	7.85	7.97	7.81	9.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	7.91	8.09	7.90	9.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	7.88	8.02	7.97	9.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	7.82	8.08	7.85	9.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	7.92	7.97	7.92	9.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	7.84	8.01	7.94	9.0	0.0



Part27Q n77 PC2&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					633334		9.0	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		8.36		9.0	0.0
100	PI/2 BPSK	1	137		8.40			
100	PI/2 BPSK	1	271		8.28			
100	PI/2 BPSK	135	0		8.41		9.0	0.0
100	PI/2 BPSK	135	69		8.37		9.0	0.0
100	PI/2 BPSK	135	138		8.40		9.0	0.0
100	PI/2 BPSK	270	0		8.27			
100	QPSK	1	1		8.46		9.0	0.0
100	QPSK	1	137		8.40			
100	QPSK	1	271		8.33			
100	QPSK	135	0		8.29		9.0	0.0
100	QPSK	135	69		8.44		9.0	0.0
100	QPSK	135	138		8.34		9.0	0.0
100	QPSK	270	0		8.34			
100	16QAM	1	1		8.31		9.0	0.0
100	64QAM	1	1		8.36		9.0	0.0
100	256QAM	1	1		8.30		9.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	8.33	8.34	8.28	9.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	8.39	8.28	8.33	9.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	8.34	8.31	8.41	9.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	8.41	8.28	8.39	9.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	8.32	8.31	8.37	9.0	0.0



Part270 n78 PC2&3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		8.28		9.0	0.0
100	PI/2 BPSK	1	137		8.16			
100	PI/2 BPSK	1	271		8.27			
100	PI/2 BPSK	135	0		8.21		9.0	0.0
100	PI/2 BPSK	135	69		8.25		9.0	0.0
100	PI/2 BPSK	135	138		8.27		9.0	0.0
100	PI/2 BPSK	270	0		8.14		9.0	0.0
100	QPSK	1	1		8.30			
100	QPSK	1	137		8.25			
100	QPSK	1	271		8.23		9.0	0.0
100	QPSK	135	0		8.17			
100	QPSK	135	69		8.24			
100	QPSK	135	138		8.12		9.0	0.0
100	QPSK	270	0		8.14		9.0	0.0
100	16QAM	1	1		8.25			
100	64QAM	1	1		8.22			
100	256QAM	1	1		8.18		9.0	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	8.21	8.23	8.22	9.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	8.22	8.27	8.23	9.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	8.24	8.27	8.19	9.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	8.23	8.27	8.25	9.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	8.22	8.22	8.17	9.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	8.20	8.28	8.17	9.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	8.17	8.27	8.13	9.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	8.24	8.13	8.15	9.0	0.0