

GSM1900_Ant 4_ECH1		Burst Average Power (dBm)			Frame Average Power (dBm)			
TX Channel		512	661	810	512	661	810	
Frequency (MHz)		1850.2	1880	1909.8	1850.2	1880	1909.8	
GSM 1 Tx slot		29.36	29.48	29.45	30.50	20.36	20.48	20.45
GPRS 1 Tx slot		29.35	29.46	29.43	30.50	20.35	20.46	20.43
GPRS 2 Tx slots		26.34	26.47	26.43	27.50	20.34	20.47	20.43
GPRS 3 Tx slots		24.64	24.73	24.71	25.70	20.38	20.47	20.45
GPRS 4 Tx slots		23.33	23.45	23.42	24.50	20.33	20.45	20.42
EDGE 1 Tx slot		25.31	25.45	25.31	26.50	16.31	16.45	16.31
EDGE 2 Tx slots		22.22	22.37	22.42	23.50	16.22	16.37	16.42
EDGE 3 Tx slots		20.60	20.62	20.67	21.70	16.34	16.38	16.41
EDGE 4 Tx slots		19.21	19.42	19.27	20.50	16.21	16.42	16.27
DTM Multi-slot class 5	GSM 1 Tx slot	26.54	26.72	26.55	27.50	20.56	20.70	20.62
	GPRS 1 Tx slot	26.63	26.72	26.73	27.50			
DTM Multi-slot class 9	GSM 1 Tx slot	26.48	26.73	26.67	27.50	20.45	20.70	20.68
	GPRS 1 Tx slot	26.46	26.72	26.73	27.50			
DTM Multi-slot class 11	GSM 1 Tx slot	24.87	25.09	25.05	25.70	20.53	20.89	20.81
	GPRS 2 Tx slots	24.75	25.18	25.08	25.70			
DTM Multi-slot class 5	GSM 1 Tx slot	26.65	26.82	26.83	27.50	18.79	18.98	18.92
	EDGE 1 Tx slot	21.55	21.81	21.52	23.50			
DTM Multi-slot class 9	GSM 1 Tx slot	26.60	26.79	26.80	27.50	18.76	18.92	18.90
	EDGE 1 Tx slot	21.58	21.64	21.52	23.50			
DTM Multi-slot class 11	GSM 1 Tx slot	24.90	25.17	25.12	25.70	17.94	18.11	18.06
	EDGE 2 Tx slots	19.74	19.76	19.70	21.70			

GSM1900_Ant 4_E05		Burst Average Power (dBm)			Frame Average Power (dBm)			
TX Channel		512	661	810	512	661	810	
Frequency (MHz)		1850.2	1880	1909.8	1850.2	1880	1909.8	
GSM 1 Tx slot	GSM 1 Tx slot	29.36	29.48	29.45	30.50	20.36	20.48	20.45
	GPRS 1 Tx slot	29.35	29.46	29.43	30.50	20.35	20.46	20.43
	GPRS 2 Tx slots	26.34	26.47	26.43	27.50	20.34	20.47	20.43
	GPRS 3 Tx slots	24.64	24.73	24.71	25.70	20.38	20.47	20.45
EDGE 1 Tx slot	EDGE 1 Tx slot	25.31	25.45	25.32	26.50	16.31	16.45	16.31
	EDGE 2 Tx slots	22.22	22.37	22.42	23.50	16.22	16.37	16.42
	EDGE 3 Tx slots	20.60	20.62	20.67	21.70	16.34	16.36	16.41
	EDGE 4 Tx slots	19.21	19.42	19.27	20.50	16.21	16.42	16.27
DTM Multi-slot class 5	GSM 1 Tx slot	26.54	26.72	26.55	27.50	20.56	20.70	20.62
	GPRS 1 Tx slot	26.63	26.72	26.73	27.50			
DTM Multi-slot class 9	GSM 1 Tx slot	26.48	26.73	26.67	27.50	20.45	20.70	20.68
	GPRS 1 Tx slot	26.46	26.72	26.73	27.50			
DTM Multi-slot class 11	GSM 1 Tx slot	24.87	25.09	25.05	25.70	20.53	20.89	20.81
	GPRS 2 Tx slots	24.75	25.18	25.08	25.70			
DTM Multi-slot class 5	GSM 1 Tx slot	26.65	26.82	26.83	27.50	18.79	18.98	18.92
	EDGE 1 Tx slot	21.55	21.81	21.52	23.50			
	GSM 1 Tx slot	26.60	26.79	26.80	27.50	18.76	18.92	18.90
	EDGE 1 Tx slot	21.58	21.64	21.52	23.50			
DTM Multi-slot class 9	GSM 1 Tx slot	24.90	25.17	25.12	25.70	17.94	18.11	18.06
	EDGE 2 Tx slots	19.74	19.76	19.70	21.70			

Band		WCDMA 8_Ant 4_ECH			Tune-up Limit (dBm)
TX Channel		9262	9490	9538	
Frequency (MHz)		9662	9890	9938	
3GPP Rel 99	AMR 12.2Kbps	19.45	19.48	19.46	20.50
3GPP Rel 99	RM-C 12.2Kbps	19.46	19.50	19.48	20.50
3GPP Rel 6	HSDPA Subtest-1	18.35	18.38	18.11	19.50
3GPP Rel 6	HSDPA Subtest-2	18.42	18.42	18.48	19.50
3GPP Rel 6	HSDPA Subtest-3	17.97	18.02	17.94	19.50
3GPP Rel 6	HSDPA Subtest-4	17.91	17.98	17.96	19.50
3GPP Rel 6	DC-HSDPA Subtest-1	18.31	18.34	17.98	19.50
3GPP Rel 6	DC-HSDPA Subtest-2	18.24	18.19	18.20	19.50
3GPP Rel 6	DC-HSDPA Subtest-3	17.78	17.81	17.80	19.50
3GPP Rel 6	DC-HSDPA Subtest-4	17.76	17.83	17.81	19.50
3GPP Rel 6	HSUPA Subtest-1	16.54	16.58	16.55	16.50
3GPP Rel 6	HSUPA Subtest-2	16.17	16.20	16.26	16.50
3GPP Rel 6	HSUPA Subtest-3	17.26	17.28	17.37	17.50
3GPP Rel 6	HSUPA Subtest-4	15.98	16.06	16.09	16.50
3GPP Rel 6	HSUPA Subtest-5	17.36	17.51	17.56	16.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	15.62	15.87	15.81	16.00

Band		WCDMA 8_Ant 5_ECH			Tune-up Limit (dBm)
TX Channel		1312	1413	1513	
Frequency (MHz)		1537	1638	1738	
3GPP Rel 99	AMR 12.2Kbps	19.73	19.76	19.76	21.00
3GPP Rel 99	RM-C 12.2Kbps	19.75	19.80	19.77	21.00
3GPP Rel 6	HSDPA Subtest-1	18.31	18.36	18.49	20.00
3GPP Rel 6	HSDPA Subtest-2	18.30	18.31	18.50	20.00
3GPP Rel 6	HSDPA Subtest-3	17.94	17.96	17.99	19.50
3GPP Rel 6	HSDPA Subtest-4	17.85	17.89	17.92	19.50
3GPP Rel 6	DC-HSDPA Subtest-1	18.25	18.34	18.47	20.00
3GPP Rel 6	DC-HSDPA Subtest-2	18.20	18.26	18.44	20.00
3GPP Rel 6	DC-HSDPA Subtest-3	17.83	17.87	17.86	19.50
3GPP Rel 6	DC-HSDPA Subtest-4	17.84	17.71	17.82	19.50
3GPP Rel 6	HSUPA Subtest-1	16.53	16.68	16.86	16.50
3GPP Rel 6	HSUPA Subtest-2	16.31	16.33	16.47	17.00
3GPP Rel 6	HSUPA Subtest-3	17.29	17.36	17.47	16.00
3GPP Rel 6	HSUPA Subtest-4	15.95	15.83	15.99	17.00
3GPP Rel 6	HSUPA Subtest-5	17.25	17.48	17.36	16.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	16.32	16.30	16.30	16.50

Band		WCDMA 8_Ant 4_ECH			Tune-up Limit (dBm)
TX Channel		9262	9490	9538	
Frequency (MHz)		9662	9890	9938	
3GPP Rel 99	AMR 12.2Kbps	22.83	22.93	22.91	24.00
3GPP Rel 99	RM-C 12.2Kbps	22.85	22.95	22.92	24.00
3GPP Rel 6	HSDPA Subtest-1	21.91	21.97	21.52	23.00
3GPP Rel 6	HSDPA Subtest-2	21.95	21.97	22.01	23.00
3GPP Rel 6	HSDPA Subtest-3	21.61	21.52	21.56	22.50
3GPP Rel 6	HSDPA Subtest-4	21.37	21.39	21.53	22.50
3GPP Rel 6	DC-HSDPA Subtest-1	21.67	21.81	21.42	23.00
3GPP Rel 6	DC-HSDPA Subtest-2	21.63	21.77	21.74	23.00
3GPP Rel 6	DC-HSDPA Subtest-3	21.39	21.49	21.37	22.50
3GPP Rel 6	DC-HSDPA Subtest-4	21.34	21.37	21.31	22.50
3GPP Rel 6	HSUPA Subtest-1	20.05	20.08	20.06	22.00
3GPP Rel 6	HSUPA Subtest-2	19.64	19.75	19.82	20.00
3GPP Rel 6	HSUPA Subtest-3	20.78	20.78	20.89	21.00
3GPP Rel 6	HSUPA Subtest-4	19.38	19.54	19.59	20.00
3GPP Rel 6	HSUPA Subtest-5	20.85	21.03	20.97	22.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.45	19.47	19.35	19.50

Band		WCDMA 8_Ant 5_ECH			Tune-up Limit (dBm)
TX Channel		1312	1413	1513	
Frequency (MHz)		1537	1638	1738	
3GPP Rel 99	AMR 12.2Kbps	19.73	19.76	19.76	21.00
3GPP Rel 99	RM-C 12.2Kbps	19.75	19.80	19.77	21.00
3GPP Rel 6	HSDPA Subtest-1	18.34	18.45	18.43	20.00
3GPP Rel 6	HSDPA Subtest-2	18.37	18.38	18.46	20.00
3GPP Rel 6	HSDPA Subtest-3	17.85	17.84	17.99	19.50
3GPP Rel 6	HSDPA Subtest-4	17.80	17.80	17.83	19.50
3GPP Rel 6	DC-HSDPA Subtest-1	18.32	18.25	18.46	20.00
3GPP Rel 6	DC-HSDPA Subtest-2	18.20	18.35	18.38	20.00
3GPP Rel 6	DC-HSDPA Subtest-3	17.84	17.82	17.87	19.50
3GPP Rel 6	DC-HSDPA Subtest-4	17.74	17.72	17.84	19.50
3GPP Rel 6	HSUPA Subtest-1	16.88	16.86	16.96	19.00
3GPP Rel 6	HSUPA Subtest-2	16.34	16.39	16.46	17.00
3GPP Rel 6	HSUPA Subtest-3	17.38	17.40	17.48	18.00
3GPP Rel 6	HSUPA Subtest-4	15.84	15.96	15.97	17.00
3GPP Rel 6	HSUPA Subtest-5	17.38	17.45	17.43	19.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	16.27	16.28	16.28	16.50

Band		WCDMA 1_Ant 4_ECH			Tune-up Limit (dBm)
TX Channel		9262	9490	9538	
Frequency (MHz)		9662	9890	9938	
3GPP Rel 99	AMR 12.2Kbps	19.45	19.48	19.46	20.50
3GPP Rel 99	RM-C 12.2Kbps	19.46	19.50	19.48	20.50
3GPP Rel 6	HSDPA Subtest-1	18.35	18.38	18.11	19.50
3GPP Rel 6	HSDPA Subtest-2	18.42	18.42	18.48	19.50
3GPP Rel 6	HSDPA Subtest-3	17.97	18.02	17.94	19.50
3GPP Rel 6	HSDPA Subtest-4	17.91	17.98	17.96	19.50
3GPP Rel 6	DC-HSDPA Subtest-1	18.31	18.34	17.98	19.50
3GPP Rel 6	DC-HSDPA Subtest-2	18.24	18.19	18.20	19.50
3GPP Rel 6	DC-HSDPA Subtest-3	17.78	17.81	17.80	19.50
3GPP Rel 6	DC-HSDPA Subtest-4	17.76	17.83	17.81	19.50
3GPP Rel 6	HSUPA Subtest-1	16.54	16.58	16.55	16.50
3GPP Rel 6	HSUPA Subtest-2	16.17	16.20	16.26	16.50
3GPP Rel 6	HSUPA Subtest-3	17.26	17.28	17.37	17.50
3GPP Rel 6	HSUPA Subtest-4	15.98	16.06	16.09	16.50
3GPP Rel 6	HSUPA Subtest-5	17.36	17.51	17.56	16.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	15.62	15.87	15.81	16.00

Band 26_Ant 0_Default									
BSF (MHz)	Modulation	BS Size	BS Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Turn-up Int. (dB)	MPT (dB)	
Channel				20795	20805	20805			
Frequency (MHz)				881.5	881.5	881.5			
15	QPSK	1	0	23.75	24.00	24.75	25.7	0	
15	QPSK	36	0	23.75	23.77	23.78	24.7	1	
15	QPSK	75	0	23.75	23.75	23.71	24.7	1	

Band 26_Ant 0_EC11									
BSF (MHz)	Modulation	BS Size	BS Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Turn-up Int. (dB)	MPT (dB)	
Channel				20795	20805	20805			
Frequency (MHz)				881.5	881.5	881.5			
15	QPSK	1	0	23.75	24.00	24.75	25.7	0	
15	QPSK	36	0	23.75	23.77	23.78	24.7	1	
15	QPSK	75	0	23.75	23.75	23.71	24.7	1	

Band 26_Ant 0_EC13									
BSF (MHz)	Modulation	BS Size	BS Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Turn-up Int. (dB)	MPT (dB)	
Channel				20795	20805	20805			
Frequency (MHz)				881.5	881.5	881.5			
15	QPSK	1	0	23.75	24.00	24.75	25.7	0	
15	QPSK	36	0	23.75	23.77	23.78	24.7	1	
15	QPSK	75	0	23.75	23.75	23.71	24.7	1	

Band 26_Ant 0_EC14									
BSF (MHz)	Modulation	BS Size	BS Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Turn-up Int. (dB)	MPT (dB)	
Channel				20795	20805	20805			
Frequency (MHz)				881.5	881.5	881.5			
15	QPSK	1	0	23.75	24.00	24.75	25.7	0	
15	QPSK	36	0	23.75	23.77	23.78	24.7	1	
15	QPSK	75	0	23.75	23.75	23.71	24.7	1	

Band 26_Ant 0_EC15									
BSF (MHz)	Modulation	BS Size	BS Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Turn-up Int. (dB)	MPT (dB)	
Channel				20795	20805	20805			
Frequency (MHz)				881.5	881.5	881.5			
15	QPSK	1	0	23.75	24.00	24.75	25.7	0	
15	QPSK	36	0	23.75	23.77	23.78	24.7	1	
15	QPSK	75	0	23.75	23.75	23.71	24.7	1	

Band 26_Ant 1_Default									
BSF (MHz)	Modulation	BS Size	BS Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Turn-up Int. (dB)	MPT (dB)	
Channel				20795	20805	20805			
Frequency (MHz)				881.5	881.5	881.5			
15	QPSK	1	0	23.75	24.00	24.75	25.7	0	
15	QPSK	36	0	23.75	23.77	23.78	24.7	1	
15	QPSK	75	0	23.75	23.75	23.71	24.7	1	

Band 26_Ant 1_EC11									
BSF (MHz)	Modulation	BS Size	BS Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Turn-up Int. (dB)	MPT (dB)	
Channel				20795	20805	20805			
Frequency (MHz)				881.5	881.5	881.5			
15	QPSK	1	0	23.75	24.00	24.75	25.7	0	
15	QPSK	36	0	23.75	23.77	23.78	24.7	1	
15	QPSK	75	0	23.75	23.75	23.71	24.7	1	

Band 26_Ant 1_EC14									
BSF (MHz)	Modulation	BS Size	BS Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Turn-up Int. (dB)	MPT (dB)	
Channel				20795	20805	20805			
Frequency (MHz)				881.5	881.5	881.5			
15	QPSK	1	0	23.75	24.00	24.75	25.7	0	
15	QPSK	36	0	23.75	23.77	23.78	24.7	1	
15	QPSK	75	0	23.75	23.75	23.71	24.7	1	

Band 26_Ant 1_EC15									
BSF (MHz)	Modulation	BS Size	BS Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Turn-up Int. (dB)	MPT (dB)	
Channel				20795	20805	20805			
Frequency (MHz)				881.5	881.5	881.5			
15	QPSK	1	0	23.75	24.00	24.75	25.7	0	
15	QPSK	36	0	23.75	23.77	23.78	24.7	1	
15	QPSK	75	0	23.75	23.75	23.71	24.7	1	

Band 2, Ant 2, ECIS												
BW (MHz)	Modulation	RB Size	RB Offset	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)	Time Slot (ms)	APR (%)			
Channel												
Frequency (MHz)												
20	QPSK	1	0	21.40	21.40	21.40	21.40					
20	QPSK	1	49	21.27	21.34	21.30						
20	QPSK	36	0	21.36	21.41	21.41						
20	QPSK	36	0	21.40	21.43	21.42						
20	QPSK	50	24	21.32	21.39	21.37						
20	QPSK	50	24	21.32	21.41	21.42						
20	QPSK	100	0	21.38	21.42	21.40						
20	QPSK	100	0	21.31	21.39	21.37						
20	QPSK	100	0	21.37	21.41	21.42						
20	16QAM	1	99	21.35	21.31	21.27						
20	16QAM	1	99	21.37	21.31	21.27						
20	16QAM	36	0	20.95	20.92	20.92						
20	16QAM	50	24	20.85	20.88	20.82						
20	16QAM	50	24	20.83	20.88	20.82						
20	16QAM	100	0	20.83	20.87	20.87						
20	16QAM	1	0	20.92	20.78	20.87						
20	16QAM	1	49	20.78	20.83	20.81						
20	16QAM	36	0	20.83	20.78	20.77						
20	16QAM	50	0	20.88	20.84	20.80						
20	16QAM	50	24	20.84	20.79	20.86						
20	16QAM	100	0	20.79	20.78	20.87						
20	256QAM	1	0	19.79	19.81	19.80						
20	256QAM	1	0	19.79	19.81	19.80						
20	256QAM	36	0	17.86	17.81	17.89						
20	256QAM	1	99	17.79	17.81	17.89						
20	256QAM	1	99	17.79	17.84	17.87						
20	256QAM	36	0	17.81	17.82	17.81						
20	256QAM	50	24	17.77	17.85	17.80						
20	256QAM	50	24	17.77	17.85	17.80						
Channel												
Frequency (MHz)												
15	QPSK	1	0	18.075	18.000	18.075						
15	QPSK	1	0	18.12	18.00	18.12						
15	QPSK	1	33	21.14	21.21	21.19						
15	QPSK	1	74	21.28	21.33	21.29						
15	QPSK	36	0	21.11	21.33	21.29						
15	QPSK	36	20	21.17	21.38	21.29						
15	16QAM	1	99	21.23	21.38	21.41						
15	16QAM	1	99	21.28	21.28	21.21						
15	16QAM	1	5	21.28	21.21	21.17						
15	16QAM	1	37	21.26	21.40	21.31						
15	16QAM	1	37	21.27	21.38	21.12						
15	16QAM	36	0	20.72	20.68	20.69						
15	16QAM	36	20	20.72	20.68	20.76						
15	16QAM	50	24	20.77	20.73	20.76						
15	16QAM	50	24	20.77	20.73	20.76						
15	16QAM	75	0	20.77	20.66	20.71				</		

Band 4_Ant 3_EC13											
RF [MHz]	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Time slot and (dBm)	MPE (dB)			
Channel											
Frequency (MHz)											
20	QPSK	1	0	19.53	19.53	19.53					
20	QPSK	1	49	19.38	19.44	19.36	21	0			
20	QPSK	1	99	19.23	19.29	19.18					
20	QPSK	50	0	19.52	19.53	19.50					
20	QPSK	50	24	19.40	19.42	19.38					
20	QPSK	50	49	19.50	19.48	19.47	21	0			
20	QPSK	100	0	19.48	19.50	19.47					
20	QPSK	1	0	19.48	19.50	19.35					
20	QPSK	1	49	19.40	19.43	19.35	21	0			
20	QPSK	1	99	19.42	19.43	19.40					
20	QPSK	50	24	19.40	19.41	19.38					
20	QPSK	50	50	19.38	19.41	19.41					
20	QPSK	100	0	19.48	19.48	19.44					
20	QPSK	1	0	19.42	19.38	19.30					
20	QPSK	1	49	19.37	19.46	19.48	21	0			
20	QPSK	1	99	19.35	19.45	19.45					
20	QPSK	50	0	19.50	19.42	19.36					
20	QPSK	50	24	19.49	19.47	19.43	21	0			
20	QPSK	50	49	19.38	19.43	19.45					
20	QPSK	100	0	19.50	19.38	19.35					
20	QPSK	1	0	19.50	19.39	19.36	20.5	0.5			
20	QPSK	1	49	19.36	19.43	19.39					
20	QPSK	1	99	19.38	19.37	19.38					
20	QPSK	50	0	19.51	19.39	19.35					
20	QPSK	50	24	19.38	19.40	19.37	20.5	0.5			
20	QPSK	50	50	19.48	19.35	19.33					
20	QPSK	100	0	19.50	19.33	19.31					
Channel											
Frequency (MHz)											
15	QPSK	1	0	19.605	19.619	19.606	Time slot and (dBm)	MPE (dB)			
15	QPSK	1	49	19.615	19.623	19.613					
15	QPSK	1	99	19.625	19.633	19.629	21	0			
15	QPSK	1	74	19.27	19.38	19.42					
15	QPSK	50	0	19.38	19.39	19.37					
15	QPSK	50	24	19.42	19.30	19.31					
15	QPSK	50	49	19.47	19.42	19.39					
15	QPSK	100	0	19.36	19.39	19.36					
15	QPSK	1	0	19.43	19.45	19.41					
15	QPSK	1	37	19.32	19.32	19.40	21	0			
15	QPSK	1	74	19.31	19.33	19.40					
15	QPSK	50	0	19.41	19.35	19.32					
15	QPSK	50	24	19.38	19.39	19.36					
15	QPSK	50	49	19.35	19.33	19.40	21	0			
15	QPSK	100	0	19.38	19.37	19.43					
15	QPSK	1	0	19.38	19.37	19.33					
15	QPSK	1	49	19.37	19.30	19.36	21	0			
15	QPSK	1	99	19.44	19.36	19.32					
15	QPSK	50	0	19.44	19.31	19.37					
15	QPSK	50	24	19.34	19.37	19.34					

Band 4, Ant 5, EC1												
RF BW (MHz)	Modulation	RB Size (MHz)	RB Offset (MHz)	Power Level (dBm)	Power Ch / Freq (dBm / MHz)	Power Ch / Freq (dBm / MHz)	Power Ch / Freq (dBm / MHz)	Time Slot (ms)	Antenna	MPE (dB)	Notes	
Channel												
Frequency (MHz)												
20	QPSK	1	0	20.00	20.22	20.18						
20	QPSK	1	49	20.17	20.19	20.03			21.2	0		
20	QPSK	14	0	20.14	20.18	20.13						
20	QPSK	30	0	20.13	20.20	20.17						
20	QPSK	50	24	20.16	20.08	20.02			21.2	0		
20	QPSK	70	0	20.12	20.18	20.10						
20	QPSK	100	0	20.16	20.13	20.15						
20	16QAM	1	0	20.07	20.18	20.08						
20	16QAM	1	49	20.17	20.18	20.03			21.2	0		
20	16QAM	14	0	20.17	20.15	20.16						
20	16QAM	1	99	20.03	20.05	20.12						
20	16QAM	14	0	20.16	20.18	20.16						
20	16QAM	50	24	20.11	20.08	20.10						
20	16QAM	50	50	20.09	20.13	20.14						
20	16QAM	50	100	20.08	20.10	20.10						
20	8QAM	1	0	20.10	20.17	20.16						
20	8QAM	1	49	20.13	20.19	20.07			21.2	0		
20	8QAM	14	0	20.13	20.18	20.17						
20	8QAM	50	0	20.14	20.10	20.12						
20	8QAM	50	24	20.14	20.14	20.16						
20	8QAM	50	50	20.09	20.05	20.08						
20	8QAM	100	0	20.12	20.18	20.02						
20	256QAM	1	0	19.92	19.97	19.91			20.7	0.5		
20	256QAM	1	99	19.85	19.86	19.94						
20	256QAM	1	99	19.85	19.84	19.99						
20	256QAM	50	50	19.87	19.86	19.95			20.7	0.5		
20	256QAM	50	50	19.81	19.87	19.94						
20	256QAM	100	0	19.90	19.95	19.95						
Channel												
Frequency (MHz)												
15	QPSK	1	0	19.005	19.019	19.005						
15	QPSK	1	37	19.12	19.24	19.14			21.2	0		
15	QPSK	1	74	20.01	20.07	20.01						
15	QPSK	14	0	19.14	19.14	19.05						
15	QPSK	36	20	20.12	19.99	19.98						
15	QPSK	36	39	20.00	20.09	20.01						
15	QPSK	36	74	20.15	20.08	20.03						
15	16QAM	1	0	19.96	19.17	20.04						
15	16QAM	1	37	19.15	19.11	19.09						
15	16QAM	1	74	19.93	19.98	19.98			21.2	0		
15	16QAM	36	20	20.01	20.07	19.92						
15	16QAM	36	39	20.02	19.97	19.99						
15	16QAM	36	74	20.02	19.98	19.96						
15	8QAM	75	0	20.08	20.18	19.97						
15	8QAM	75	37	20.01	20.07	20.11						
15	8QAM	1	37	20.08	20.10	20.04						
15	8QAM	1	74	20.00	20.11	20.04						
15	8QAM	75	0	20.08	20.08	19.97						
15	8QAM											

Band 4_Ant 5_ECI5												
RF [MHz]	Modulation	RB [MHz]	RB Offset	Power Lvl [dBm]	Power Lvl Ch [F]	Power Lvl Freq [F]	Time Slot (sec)	APRS (dB)				
Channel												
Frequency (MHz)				20060	20176	20368						
15	QPSK	1	0	20.07	20.22	20.36						
20	QPSK	1	49	20.17	20.19	20.03	21.2	0				
20	QPSK	14	0	20.12	20.14	20.05						
20	QPSK	50	0	20.16	20.20	20.17						
20	QPSK	50	24	20.16	20.06	20.02	21.2	0				
20	QPSK	50	24	20.12	20.18	20.15						
20	QPSK	100	0	20.16	20.18	20.16						
20	16QAM	1	0	20.07	20.18	20.06						
20	16QAM	1	49	20.17	20.15	20.05	21.2	0				
20	16QAM	1	99	20.03	20.05	20.12						
20	16QAM	16	0	20.16	20.18	20.06						
20	16QAM	50	24	20.11	20.08	20.05	21.2	0				
20	16QAM	50	50	20.06	20.13	20.14						
20	16QAM	100	0	20.16	20.18	20.06						
20	8AGM	1	0	20.10	20.17	20.16						
20	8AGM	1	49	20.13	20.19	20.07	21.2	0				
20	8AGM	1	99	20.05	20.07	20.14						
20	8AGM	50	24	20.14	20.10	20.12	21.2	0				
20	8AGM	50	50	20.09	20.14	20.16						
20	8AGM	100	0	20.16	20.18	20.08						
20	25GMSK	1	0	19.92	19.97	19.91						
20	25GMSK	1	49	19.97	19.90	19.94	20.7	0.5				
20	25GMSK	1	99	19.85	19.86	19.94						
20	25GMSK	50	7	19.85	19.84	19.87						
20	25GMSK	50	16	19.87	19.85	19.89	20.7	0.5				
20	25GMSK	50	50	19.81	19.87	19.84						
20	25GMSK	100	0	19.96	19.95	19.94						
Channel												
Frequency (MHz)				20065	20191	20365						
15	QPSK	1	0	20.07	20.22	20.36						
15	QPSK	1	37	20.14	20.14	19.97	21.2	0				
15	QPSK	1	74	20.10	20.07	20.01						
15	QPSK	14	0	20.14	20.14	20.05						
15	QPSK	36	20	20.12	19.99	19.99						
15	QPSK	36	39	20.00	20.09	20.01	21.2	0				
15	QPSK	36	75	20.15	20.06	20.03						
15	16QAM	1	0	19.96	20.17	20.04						
15	16QAM	1	37	20.16	20.11	20.09	21.2	0				
15	16QAM	1	74	19.93	19.99	19.93						
15	16QAM	36	0	20.01	20.07	19.92						
15	16QAM	36	39	19.96	19.97	19.99						
15	16QAM	36	75	20.02	19.90	19.96	21.2	0				
15	8AGM	1	37	20.06	20.10	20.04						
15	8AGM	1	74	20.00	20.11	20.04						
15	8AGM	1	99	20.06	20.08	19.97	21.2	0				
15	8AGM	36	20	20.04	20.04	20.10						
15	8AGM	36	39	20.04	19.98	19.95	21.2	0				
15	25GMSK	1	0	19.92	19.93	19.91						
15	25GMSK	1	37	19.96	19.47	19.52	20.7	0.5				
15	25GMSK	1	74	19.82	19.85	19.89						
15	25GMSK	14	0	19.64	19.61	19.49						
15	25GMSK	36	20	19.99	19.99	19.40	20.7	0.5				
15	25GMSK	36	39	19.47	19.47	19.47						
15	25GMSK	75	0	19.40	19.55	19.43						
Channel												
Frequency (MHz)				20115								

[illegible]

Band 41_Ant 4_Other PA													
RF MHz	Modulation	RB Size	RB Offset	Power Flux [dBm]	Power Flux [dBm]	Power Flux [dBm]	Power Flux [dBm]	Power Flux [dBm]	Power Flux [dBm]	Power Flux [dBm]	Time-on- air [min]	Mbps	QAM
Channel													
26	QPSK	1	0	21.62	21.72	21.83	21.93	21.94	21.95	21.96	23	0	
26	QPSK	1	46	21.88	21.95	21.92	21.93	21.94	21.95	21.96			
26	QPSK	50	0	20.46	20.52	20.57	20.62	20.67	20.72	20.77			
26	QPSK	50	46	20.46	20.52	20.57	20.62	20.67	20.72	20.77			
26	QPSK	50	92	20.46	20.52	20.57	20.62	20.67	20.72	20.77			
26	QPSK	100	0	20.32	20.33	20.30	20.31	20.32	20.33	20.34	22		
26	QPSK	100	46	20.67	20.72	20.77	20.82	20.87	20.92	20.97			
26	QPSK	1	46	20.53	20.55	20.54	20.56	20.58	20.59	20.60			
26	QPSK	50	0	19.33	19.44	19.51	19.61	19.71	19.81	19.91			
26	QPSK	50	46	19.46	19.57	19.65	19.75	19.85	19.95	20.05			
26	QPSK	100	0	19.32	19.38	19.51	19.70	19.89	20.08	20.28	21		
26	QPSK	100	46	19.48	19.59	19.70	19.81	19.92	20.03	20.14			
26	QPSK	1	46	19.25	19.14	19.29	19.39	19.50	19.60	19.70			
26	QPSK	50	0	18.36	18.45	18.55	18.67	18.77	18.87	18.97			
26	QPSK	50	46	18.66	18.37	18.46	18.22	18.34	18.44	18.54			
26	QPSK	100	0	18.06	18.12	18.25	18.44	18.63	18.82	19.01	20		
26	QPSK	100	46	18.22	18.14	18.29	18.39	18.50	18.60	18.70			
26	QPSK	1	46	18.06	18.12	18.25	18.44	18.63	18.82	19.01			
26	QPSK	50	0	18.06	18.12	18.25	18.44	18.63	18.82	19.01			
26	QPSK	50	46	18.66	18.37	18.46	18.22	18.34	18.44	18.54			
26	QPSK	100	0	18.06	18.12	18.25	18.44	18.63	18.82	19.01	19		
26	QPSK	100	46	18.22	18.14	18.29	18.39	18.50	18.60	18.70			
26	QPSK	1	46	18.06	18.12	18.25	18.44	18.63	18.82	19.01			
26	QPSK	50	0	18.06	18.12	18.25	18.44	18.63	18.82	19.01			
26	QPSK	50	46	18.66	18.37	18.46	18.22	18.34	18.44	18.54			
26	QPSK	100	0	18.06	18.12	18.25	18.44	18.63	18.82	19.01	18		
26	QPSK	100	46	18.22	18.14	18.29	18.39	18.50	18.60	18.70			
26	QPSK	1	46	18.06	18.12	18.25	18.44	18.63	18.82	19.01			
26	QPSK	50	0	18.06	18.12	18.25	18.44	18.63	18.82	19.01			
26	QPSK	50	46	18.66	18.37	18.46	18.22	18.34	18.44	18.54			
26	QPSK	100	0	18.06	18.12	18.25	18.44	18.63	18.82	19.01	17		
26	QPSK	100	46	18.22	18.14	18.29	18.39	18.50	18.60	18.70			
26	QPSK	1	46	18.06	18.12	18.25	18.44	18.63	18.82	19.01			
26	QPSK	50	0	18.06	18.12	18.25	18.44	18.63	18.82	19.01			
26	QPSK	50	46	18.66	18.37	18.46	18.22	18.34	18.44	18.54			
26	QPSK	100	0	18.06	18.12	18.25	18.44	18.63	18.82	19.01	16		
26	QPSK	100	46	18.22	18.14	18.29	18.39	18.50	18.60	18.70			
26	QPSK	1	46	18.06	18.12	18.25	18.44	18.63	18.82	19.01			
26	QPSK	50	0	18.06	18.12	18.25	18.44	18.63	18.82	19.01			
26	QPSK	50	46	18.66	18.37	18.46	18.22	18.34	18.44	18.54			
26	QPSK	100	0	18.06	18.12	18.25	18.44	18.63	18.82	19.01	15		
26	QPSK	100	46	18.22	18.14	18.29	18.39	18.50	18.60	18.70			
26	QPSK	1	46	18.06	18.12	18.25	18.44	18.63	18.82	19.01			
26	QPSK	50	0	18.06	18.12	18.25	18.44	18.63	18.82	19.01			
26	QPSK	50	46	18.66	18.37	18.46	18.22	18.34	18.44	18.54			
26	QPSK	100	0	18.06	18.12	18.25	18.44	18.63	18.82	19.01	14		
26	QPSK	100	46	18.22	18.14	18.29	18.39	18.50	18.60	18.70			
26	QPSK	1	46	18.06	18.12	18.25	18.44	18.63	18.82	19.01			
26	QPSK	50	0	18.06	18.12	18.25	18.44	18.63	18.82	19.01			
26	QPSK	50	46	18.66	18.37	18.46	18.22	18.34	18.44	18.54			
26	QPSK	100	0	18.06	18.12	18.25	18.44	18.63	18.82	19.01	13		
26	QPSK	100	46	18.22	18.14	18.29	18.39	18.50	18.60	18.70			
26	QPSK	1	46	18.06	18.12	18.25	18.44	18.63	18.82	19.01			
26	QPSK	50	0	18.06	18.12	18.25	18.44	18.63	18.82	19.01			
26	QPSK	50	46	18.66	18.37	18.46	18.22	18.34	18.44	18.54			
26	QPSK	100	0	18.06	18.12	18.25	18.44	18.63	18.82	19.01	12		
26	QPSK	100	46	18.22	18.14	18.29	18.39	18.50	18.60	18.70			
26	QPSK	1	46	18.06	18.12	18.25	18.44	18.63	18.82	19.01			
26	QPSK	50	0	18.06	18.12	18.25	18.44	18.63	18.82	19.01			
26	QPSK	50	46	18.66	18.37	18.46	18.22	18.34	18.44	18.54			
26	QPSK	100	0	18.06	18.12	18.25	18.44	18.63	18.82	19.01	11		
26	QPSK	100	46	18.22	18.14	18.29	18.39	18.50	18.60	18.70			
26	QPSK	1	46	18.06	18.12	18.25	18.44	18.63	18.82	19.01			
26	QPSK	50	0	18.06	18.12	18.25	18.44	18.63	18.82	19.01			
26	QPSK	50	46	18.66	18.37	18.46	18.22	18.34	18.44	18.54			
26	QPSK	100	0	18.06	18.12	18.25	18.44	18.63	18.82	19.01	10		
26	QPSK	100	46	18.22	18.14	18.29	18.39	18.50	18.60	18.70			
26	QPSK	1	46	18.06	18.12	18.25	18.44	18.63	18.82	19.01			
26	QPSK	50	0	18.06	18.12	18.25	18.44	18.63	18.82	19.01			
26	QPSK	50	46	18.66	18.37	18.46	18.22	18.34	18.44	18.54			
26	QPSK	100	0	18.06	18.12	18.25	18.44	18.63	18.82	19.01	9		
26	QPSK	100	46	18.22	18.14	18.29	18.39	18.50	18.60	18.70			
26	QPSK	1	46	18.06	18.12	18.25	18.44	18.63	18.82	19.01			
26	QPSK	50	0	18.06	18.12	18.25	18.44	18.63	18.82	19.01			
26	QPSK	50	46	18.66	18.37	18.46	18.22	18.34	18.44	18.54			
26	QPSK	100	0	18.06	18.12	18.25	18.44	18.63	18.82	19.01	8		
26	QPSK	100	46	18.22	18.14	18.29	18.39	18.50	18.60	18.70			
26	QPSK	1	46	18.06	18.12	18.25	18.44	18.63	18.82	19.01			
26	QPSK	50	0	18.06	18.12	18.25	18.44	18.63	18.82	19.01			
26	QPSK	50	46	18.66	18.37	18.46	18.22	18.34	18.44	18.54			
26	QPSK	100	0	18.06	18.12	18.25	18.44	18.63	18.82	19.01	7		
26	QPSK	100	46	18.22	18.14	18.29	18.39	18.50	18.60	18.70			
26	QPSK	1	46	18.06	18.12	18.25	18.44	18.63	18.82	19.01			
26	QPSK	50	0	18.06	18.12	18.25	18.44	18.63	18.82	19.01			
26	QPSK	50	46	18.66	18.37	18.46	18.22	18.34	18.44	18.54			
26	QPSK	100	0	18.06	18.12	18.25	18.44	18.63	18.82	19.01	6		
26	QPSK	100	46	18.22	18.14	18.29	18.39	18.50	18.60	18.70			
26	QPSK	1	46	18.06	18.12	18.25	18.44	18.63	18.82	19.01			
26	QPSK	50	0	18.06	18.12	18.25	18.44	18.63	18.82	19.01			
26	QPSK	50	46	18.66	18.37	18.46	18.22	18.34	18.44	18.54			
26	QPSK	100	0	18.06	18.12	18.25	18.44	18.63	18.82	19.01	5		
26	QPSK	100	46	18.22	18.14	18.29	18.39	18.50	18.60	18.70			
26	QPSK	1	46	18.06	18.12	18.25	18.44	18.63	18.82	19.01			
26	QPSK	50	0	18.06	18.12	18.25	18.44	18.63	18.82	19.01			
26	QPSK	50	46	18.66	18.37	18.46	18.22	18.34	18.44	18.54			
26	QPSK	100	0	18.06	18.12	18.25	18.44	18.63	18.82	19.01	4		
26	QPSK	100	46	18.22	18.14	18.29	18.39	18.50	18.60	18.70			
26	QPSK	1	46	18.06	18.12	18.25	18.44	18.63	18.82	19.01			
26	QPSK	50	0	18.06	18.12	18.25	18.44	18.63	18.82	19.01			
26	QPSK	50	46	18.66	18.37	18.46	18.22	18.34	18.44	18.54			
26	QPSK	100	0	18.06	18.12	18.25	18.44	18.63	18.82	19.01	3		
26	QPSK	100	46	18.22	18.14	18.29	18.39	18.50	18.60	18.70			
26	QPSK	1	46	18.06	18.12	18.25	18.44	18.63	18.82	19.01			
26	QPSK	50	0	18.06	18.12	18.25	18.44	18.63	18.82	19.01			
26	QPSK	50	46	18.66	18.37	18.46	18.22	18.34	18.44	18.54			
26	QPSK	100	0	18.06	18.12	18.25	18.44	18.63	18.82	19.01	2		
26	QPSK	100	46	18.22	18.14	18.29	18.39	18.50	18.60	18.70			
26	QPSK	1	46	18.06	18.12	18.25	18.44	18.63	18.82	19.01			
26	QPSK	50	0	18.06	18.12	18.25	18.44	18.63	18.82	19.01			
26	QPSK	50	46	18.66	18.37	18.46	18.22	18.34	18.44	18.54			
26	QPSK	100	0	18.06	18.12	18.25	18.44	18.63	18.82	19.01	1		
26	QPSK	100	46	18.22	18.14	18.29	18.39	18.50	18.60	18.70			
26	QPSK	1	46	18.06	18.12	18.25	18.44	18.63	18.82	19.01			
26	QPS												

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Band 41_Ant 3_Other PA												
5W (dBm)	Modulation	RB Size	RB Offset	Power Class	Power Class	Power Class	Power Class	Power Class	Power Class	Power Class	Time-on-air (s)	Mbps (Kbps)
Channel												
20	QPSK	1	0	29.37	35.15	35.12	35.12	35.12	35.12	35.14	24.5	0
20	QPSK	1	46	29.35	35.03	35.01	35.01	35.01	35.01	35.02		
20	QPSK	36	0	29.33	35.21	35.18	35.18	35.18	35.18	35.20		
20	QPSK	36	36	29.33	35.21	35.18	35.18	35.18	35.18	35.20		
20	QPSK	36	72	29.33	35.24	35.20	35.20	35.20	35.22	35.24		
20	QPSK	100	0	29.42	35.64	35.56	35.56	35.56	35.56	35.51	23.5	0
20	QPSK	100	46	29.38	35.52	35.48	35.48	35.48	35.48	35.51		
20	QPSK	100	92	29.38	35.49	35.45	35.45	35.45	35.45	35.48		
20	QPSK	100	138	29.31	35.37	35.34	35.34	35.34	35.34	35.36		
20	QPSK	100	184	29.31	35.37	35.34	35.34	35.34	35.34	35.36		
20	QPSK	100	230	29.38	35.56	35.52	35.52	35.52	35.52	35.54	22.5	0
20	QPSK	100	276	29.38	35.56	35.52	35.52	35.52	35.52	35.54		
20	QPSK	100	322	29.32	35.46	35.42	35.42	35.42	35.42	35.44		
20	QPSK	100	368	29.32	35.46	35.42	35.42	35.42	35.42	35.44		
20	QPSK	100	414	29.32	35.46	35.42	35.42	35.42	35.42	35.44		
20	QPSK	1	46	29.17	35.26	35.26	35.26	35.26	35.26	35.24	21.5	0
20	QPSK	1	92	29.17	35.26	35.26	35.26	35.26	35.26	35.24		
20	QPSK	36	0	29.32	35.37	35.37	35.37	35.37	35.37	35.35		
20	QPSK	36	36	29.38	35.52	35.47	35.47	35.47	35.47	35.49		
20	QPSK	36	72	29.38	35.52	35.47	35.47	35.47	35.47	35.49		
20	QPSK	1	46	18.01	17.96	17.96	17.97	17.97	17.95	17.95	19.5	0
20	QPSK	1	92	17.88	17.95	17.92	17.92	17.92	17.90	17.90		
20	QPSK	36	0	18.06	18.16	18.13	18.13	18.13	18.10	18.10		
20	QPSK	36	36	18.06	18.16	18.13	18.13	18.13	18.10	18.10		
20	QPSK	36	72	18.12	18.14	18.13	18.13	18.13	18.14	18.14		
Channel												
36	QPSK	1	0	39.72	44.73	44.63	44.63	44.63	44.63	44.65	24.5	0
36	QPSK	1	36	39.72	44.73	44.63	44.63	44.63	44.63	44.65		
36	QPSK	1	72	39.73	44.68	44.58	44.58	44.58	44.58	44.60		
36	QPSK	36	0	29.27	35.44	35.22	35.22	35.22	35.22	35.22		
36	QPSK	36	36	29.27	35.44	35.21	35.21	35.21	35.21	35.21		
36	QPSK	36	72	29.27	35.47	35.26	35.26	35.26	35.26	35.27	23.5	0
36	QPSK	36	108	29.33	35.37	35.08	35.08	35.08	35.08	35.07		
36	QPSK	36	144	29.33	35.37	35.08	35.08	35.08	35.08	35.07		
36	QPSK	36	180	29.33	35.37	35.08	35.08	35.08	35.08	35.07		
36	QPSK	36	216	29.33	35.37	35.08	35.08	35.08	35.08	35.07		
36	QPSK	36	252	29.27	35.36	35.15	35.14	35.14	35.14	35.16	22.5	0
36	QPSK	36	288	29.27	35.36	35.15	35.14	35.14	35.14	35.16		
36	QPSK	36	324	29.27	35.36	35.15	35.14	35.14	35.14	35.16		
36	QPSK	36	360	29.27	35.36	35.15	35.14	35.14	35.14	35.16		
36	QPSK	36	396	29.27	35.36	35.15	35.14	35.14	35.14	35.16		
36	QPSK	1	46	29.17	35.26	35.26	35.26	35.26	35.26	35.24	21.5	0
36	QPSK	1	92	29.17	35.26	35.26	35.26	35.26	35.26	35.24		
36	QPSK	36	0	29.32	35.37	35.37	35.37	35.37	35.37	35.35		
36	QPSK	36	36	29.38	35.52	35.47	35.47	35.47	35.47	35.49		
36	QPSK	36	72	29.38	35.52	35.47	35.47	35.47	35.47	35.49		
36	QPSK	25	12	26.16	30.37	30.12	30.12	30.12	30.12	30.14	21.5	0
36	QPSK	25	38	26.16	30.37	30.12	30.12	30.12	30.12	30.14		
36	QPSK	25	64	26.16	30.37	30.12	30.12	30.12	30.12	30.14		
36	QPSK	25	90	26.16	30.37	30.12	30.12	30.12	30.12	30.14		
36	QPSK	25	116	26.16	30.37	30.12	30.12	30.12	30.12	30.14		
36	QPSK	1	46	17.85	17.88	17.85	17.87	17.87	17.85	17.85	19.5	0
36	QPSK	1	92	17.88	17.88	17.85	17.87	17.87	17.85	17.85		
36	QPSK	1	138	17.88	17.88	17.87	17.87	17.87	17.85	17.85		
36	QPSK	1	184	17.88	17.88	17.87	17.87	17.87	17.85	17.85		
36	QPSK	1	230	17.88	17.88	17.87	17.87	17.87	17.85	17.85		
36	QPSK	25	12	16.92	16.96	16.94	16.95	16.95	16.93	16.93	19.5	0
36	QPSK	25	38	16.92	16.96	16.94	16.95	16.95	16.93	16.93		
36	QPSK	25	64	16.92	16.96	16.94	16.95	16.95	16.93	16.93		
36	QPSK	25	90	16.92	16.96	16.94	16.95	16.95	16.93	16.93		
36	QPSK	25	116	16.92	16.96	16.94	16.95	16.95	16.93	16.93		
Channel												
36	QPSK	1	0	39.72	44.74	44.63	44.63	44.63	44.63	44.65	24.5	0
36	QPSK	1	36	39.72	44.74	44.63	44.63	44.63	44.63	44.65		
36	QPSK	1	72	39.73	44.69	44.58	44.58	44.58	44.58	44.60		
36	QPSK	36	0	29.27	35.44	35.22	35.22	35.22	35.22	35.22		
36	QPSK	36	36	29.27	35.44	35.21	35.21	35.21	35.21	35.21		
36	QPSK	36	72	29.27	35.47	35.26	35.26	35.26	35.26	35.27	23.5	0
36	QPSK	36	108	29.33	35.37	35.08	35.08	35.08	35.08	35.07		
36	QPSK	36	144	29.33	35.37	35.08	35.08	35.08	35.08	35.07		
36	QPSK	36	180	29.33	35.37	35.08	35.08	35.08	35.08	35.07		
36	QPSK	36	216	29.33	35.37	35.08	35.08	35.08	35.08	35.07		
36	QPSK	36	252	29.27	35.36	35.15	35.14	35.14	35.14	35.16	22.5	0
36	QPSK	36	288	29.27	35.36	35.15	35.14	35.14	35.14	35.16		
36	QPSK	36	324	29.27	35.36	35.15	35.14	35.14	35.14	35.16		
36	QPSK	36	360	29.27	35.36	35.15	35.14	35.14	35.14	35.16		
36	QPSK	36	396	29.27	35.36	35.15	35.14	35.14	35.14	35.16		
36	QPSK	1	46	29.17	35.26	35.26	35.26	35.26	35.26	35.24	21.5	0
36	QPSK	1	92	29.17	35.26	35.26	35.26	35.26	35.26	35.24		
36	QPSK	36	0	29.32	35.37	35.37	35.37	35.37	35.37	35.35		
36	QPSK	36	36	29.38	35.52	35.47	35.47	35.47	35.47	35.49		
36	QPSK	36	72	29.38	35.52	35.47	35.47	35.47	35.47	35.49		
36	QPSK	12	7	21.21	21.22	20.98	20.98	20.98	20.98	21.00	22.5	0
36	QPSK	12	19	21.21	21.22	20.98	20.98	20.98	20.98	21.00		
36	QPSK	12	31	21.21	21.22	20.98	20.98	20.98	20.98	21.00		
36	QPSK	12	43	21.21	21.22	20.98	20.98	20.98	20.98	21.00		
36	QPSK	12	55	21.21	21.22	20.98	20.98	20.98	20.98	21.00		
36	QPSK	1	46	17.85	17.88	17.85	17.87	17.87	17.85	17.85	19.5	0
36	QPSK	1	92	17.88	17.88	17.85	17.87	17.87	17.85	17.85		
36	QPSK	1	138	17.88	17.88	17.87	17.87	17.87	17.85	17.85		
36	QPSK	1	184	17.88	17.88	17.87	17.87	17.87	17.85	17.85		
36	QPSK	1	230	17.88	17.88	17.87	17.87	17.87	17.85	17.85		
36	QPSK	12	7	19.91	19.96	19.91	19.92	19.92	19.90	19.90	19.5	0
36	QPSK	12	19	19.91	19.96	19.91	19.92	19.92	19.90	19.90		
36	QPSK	12	31	19.91	19.96	19.91	19.92	19.92	19.90	19.90		
36	QPSK	12	43	19.91	19.96	19.91	19.92	19.92	19.90	19.90		
36	QPSK	12	55	19.91	19.96	19.91	19.92	19.92	19.90	19.90		

Reduced Power Mode for EC11

Band 7_Ant 4_Other PA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power High Ch./Freq	Power High Ch./Freq	Turn-up time (dBm)	MPR (dB)	
Channel									
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	15.82	15.83	15.77			
20	QPSK	1	49	15.74	15.77	15.84	17.5	0	
20	QPSK	1	99	15.80	15.79	15.73			
20	QPSK	50	0	15.82	15.64	15.36			
20	QPSK	50	24	15.69	15.66	15.54	17.5	0	
20	QPSK	50	49	15.50	15.58	15.54			
20	QPSK	100	0	15.55	15.59	15.50			
20	16QAM	1	0	15.59	15.57	15.58			
20	16QAM	1	49	15.57	15.57	15.58	17.5	0	
20	16QAM	1	99	15.58	15.57	15.56			
20	16QAM	50	0	15.53	15.53	15.58			
20	16QAM	50	24	15.54	15.66	15.56	17.5	0	
20	16QAM	50	49	15.56	15.64	15.61			
20	16QAM	100	0	15.51	15.60	15.52			
20	84QAM	1	0	15.64	15.58	15.62			
20	84QAM	1	49	15.64	15.57	15.67	17.5	0	
20	84QAM	1	99	15.63	15.57	15.54			
20	84QAM	50	0	15.64	15.63	15.60			
20	84QAM	50	24	15.57	15.58	15.62	17.5	0	
20	84QAM	50	49	15.56	15.60	15.62			
20	84QAM	100	0	15.61	15.51	15.68			
20	256QAM	1	0	15.63	15.60	15.63			
20	256QAM	1	49	15.62	15.56	15.59	17.5	0	
20	256QAM	1	99	15.61	15.53	15.57			
20	256QAM	50	0	15.61	15.53	15.57			
20	256QAM	50	24	15.84	15.78	15.82	17.5	0	
20	256QAM	50	49	15.84	15.78	15.82			
20	256QAM	100	0	15.81	15.60	15.80			
Channel									
Channel				20825	21100	21375	Turn-up time (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	15.78	15.87	15.68			
15	QPSK	1	37	15.56	15.60	15.64	17.5	0	
15	QPSK	1	74	15.65	15.66	15.64			
15	QPSK	36	0	15.58	15.66	15.61			
15	QPSK	36	20	15.68	15.65	15.64	17.5	0	
15	QPSK	36	39	15.63	15.67	15.68			
15	QPSK	75	0	15.69	15.61	15.61			
15	16QAM	1	0	15.62	15.56	15.61			
15	16QAM	1	37	15.63	15.57	15.61	17.5	0	
15	16QAM	1	74	15.63	15.63	15.62			
15	16QAM	36	0	15.64	15.66	15.61			
15	16QAM	36	20	15.60	15.65	15.68	17.5	0	
15	16QAM	36	39	15.63	15.66	15.68			
15	16QAM	75	0	15.64	15.62	15.60			
15	84QAM	1	0	15.66	15.64	15.59			
15	84QAM	1	37	15.68	15.68	15.68	17.5	0	
15	84QAM	1	74	15.69	15.56	15.62			
15	84QAM	36	0	15.68	15.66	15.56			
15	84QAM	36	20	15.59	15.63	15.57	17.5	0	
15	84QAM	36	39	15.63	15.67	15.68			
15	84QAM	75	0	15.66	15.68	15.61			
15	256QAM	1	0	15.57	15.56	15.59			
15	256QAM	1	37	15.61	15.62	15.62	17.5	0	
15	256QAM	1	74	15.61	15.62	15.60			
15	256QAM	36	0	15.64	15.67	15.67			
15	256QAM	36	20	15.63	15.64	15.60	17.5	0	
15	256QAM	36	39	15.62	15.73	15.73			
15	256QAM	75	0	15.69	15.68	15.74			
Channel									
Channel				20800	21100	21400	Turn-up time (dBm)	MPR (dB)	
Frequency (MHz)				2503	2535	2565			
10	QPSK	1	0	15.70	15.62	15.65			
10	QPSK	1	25	15.62	15.61	15.50	17.5	0	
10	QPSK	1	49	15.74	15.72	15.62			
10	QPSK	25	0	15.50	15.62	15.62			
10	QPSK	25	39	15.52	15.62	15.57	17.5	0	
10	QPSK	25	25	15.63	15.59	15.62			
10	QPSK	50	0	15.69	15.66	15.64			
10	16QAM	1	0	15.61	15.66	15.68			
10	16QAM	1	25	15.61	15.64	15.61	17.5	0	
10	16QAM	1	49	15.56	15.63	15.56			
10	16QAM	25	0	15.64	15.57	15.67			
10	16QAM	25	39	15.60	15.66	15.67	17.5	0	
10	16QAM	25	25	15.58	15.58	15.58			
10	16QAM	50	0	15.52	15.65	15.65			
10	84QAM	1	0	15.67	15.62	15.68	17.5	0	
10	84QAM	1	25	15.66	15.67	15.63			
10	84QAM	1	49	15.63	15.61	15.65			
10	84QAM	25	0	15.66	15.68	15.62			
10	84QAM	25	39	15.66	15.67	15.65	17.5	0	
10	84QAM	25	25	15.58	15.69	15.56			
10	84QAM	50	0	15.60	15.57	15.56			
10	256QAM	1	0	15.59	15.59	15.56			
10	256QAM	1	25	15.67	15.57	15.56	17.5	0	
10	256QAM	1	49	15.71	15.59	15.67			
10	256QAM	25	0	15.78	15.64	15.76			
10	256QAM	25	39	15.73	15.70	15.71	17.5	0	
10	256QAM	25	25	15.78	15.72	15.78			
10	256QAM	50	0	15.67	15.68	15.65			
Channel									
Channel				20775	21100	21425	Turn-up time (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	15.76	15.68	15.53			
5	QPSK	1	12	15.67	15.63	15.59	17.5	0	
5	QPSK	1	24	15.70	15.67	15.66			
5	QPSK	12	0	15.61	15.67	15.61			
5	QPSK	12	7	15.65	15.59	15.68	17.5	0	
5	QPSK	12	13	15.68	15.64	15.63			
5	QPSK	25	0	15.66	15.67	15.56			
5	16QAM	1	0	15.68	15.64	15.64			
5	16QAM	1	12	15.62	15.63	15.62	17.5	0	
5	16QAM	1	24	15.60	15.59	15.62			
5	16QAM	12	0	15.64	15.65	15.65			
5	16QAM	12	7	15.58	15.54	15.61	17.5	0	
5	16QAM	12	13	15.65	15.61	15.57			
5	16QAM	25	0	15.59	15.67	15.67			
5	84QAM	1	0	15.63	15.67	15.56			
5	84QAM	1	12	15.56	15.61	15.56	17.5	0	
5	84QAM	1	24	15.60	15.61	15.67			
5	84QAM	12	0	15.61	15.64	15.57			
5	84QAM	12	7	15.60	15.63	15.68	17.5	0	
5	84QAM	12	13	15.67	15.66	15.58			
5	84QAM	25	0	15.69	15.65	15.57			
5	256QAM	1	0	15.60	15.59	15.57			
5	256QAM	1	12	15.63	15.62	15.62	17.5	0	
5	256QAM	1	24	15.66	15.69	15.61			
5	256QAM	12	0	15.69	15.70	15.59			
5	256QAM	12	7	15.77	15.69	15.74	17.5	0	
5	256QAM	12	13	15.69	15.70	15.70			
5	256QAM	25	0	15.66	15.69	15.73			

Band 7_Ant 2_Other PA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	22.63	22.68	22.58			
20	QPSK	1	49	22.51	22.54	22.57	24.5	0	
20	QPSK	1	99	22.61	22.58	22.56			
20	QPSK	50	0	21.63	21.65	21.68			
20	QPSK	50	24	21.60	21.53	21.53	23.5	1	
20	QPSK	50	49	21.61	21.57	21.57			
20	QPSK	100	0	21.61	21.62	21.67			
20	16QAM	1	0	21.78	21.73	21.58			
20	16QAM	1	49	21.77	21.76	21.60	23.5	1	
20	16QAM	1	99	21.62	21.72	21.56			
20	16QAM	50	0	20.57	20.55	20.57			
20	16QAM	50	24	20.61	20.52	20.51	22.5	2	
20	16QAM	50	49	20.63	20.56	20.56			
20	16QAM	100	0	20.80	20.54	20.55			
20	84QAM	1	0	20.76	20.68	20.55			
20	84QAM	1	49	20.66	20.67	20.60	22.5	2	
20	84QAM	1	99	20.77	20.72	20.56			
20	84QAM	50	0	19.59	19.57	19.59			
20	84QAM	50	24	19.60	19.53	19.54	21.5	3	
20	84QAM	50	49	19.64	19.56	19.57			
20	84QAM	100	0	19.62	19.56	19.56			
20	256QAM	1	0	17.64	17.58	17.64			
20	256QAM	1	49	17.53	17.56	17.56	19.5	5	
20	256QAM	1	99	17.57	17.51	17.60			
20	256QAM	50	0	17.51	17.61	17.57			
20	256QAM	50	24	17.54	17.50	17.52	19.5	5	
20	256QAM	50	49	17.52	17.51	17.58			
20	256QAM	100	0	17.58	17.57	17.58			
Channel									
Channel				20925	21150	21375	Turn-up time (dBm)	MPR (dB)	
Frequency (MHz)				25625	2585	25825			
15	QPSK	1	0	22.60	22.63	22.56			
15	QPSK	1	37	22.53	22.53	22.52	24.5	0	
15	QPSK	1	75	22.58	22.52	22.52			
15	QPSK	36	0	21.57	21.60	21.56			
15	QPSK	36	20	21.55	21.52	21.51	23.5	1	
15	QPSK	36	40	21.56	21.54	21.54			
15	QPSK	75	0	21.59	21.58	21.52			
15	16QAM	1	0	21.75	21.72	21.54	23.5	1	
15	16QAM	1	37	21.73	21.71	21.58			
15	16QAM	1	75	21.81	21.71	21.51			
15	16QAM	36	0	20.54	20.51	20.55			
15	16QAM	36	20	20.58	20.51	20.52	22.5	2	
15	16QAM	36	40	20.60	20.53	20.53			
15	16QAM	75	0	20.54	20.53	20.54			
15	84QAM	1	0	20.74	20.68	20.50			
15	84QAM	1	37	20.62	20.64	20.56	22.5	2	
15	84QAM	1	75	20.74	20.67	20.51			
15	84QAM	36	0	19.55	19.56	19.55			
15	84QAM	36	20	19.55	19.51	19.51	21.5	3	
15	84QAM	36	40	19.62	19.51	19.53			
15	84QAM	75	0	19.60	19.52	19.52			
15	256QAM	1	0	17.62	17.58	17.61			
15	256QAM	1	37	17.52	17.50	17.51	19.5	5	
15	256QAM	1	75	17.56	17.54	17.55			
15	256QAM	36	0	17.52	17.50	17.56			
15	256QAM	36	20	17.50	17.53	17.52	19.5	5	
15	256QAM	36	40	17.53	17.52	17.53			
15	256QAM	75	0	17.54	17.57	17.52			
Channel									
Channel				20905	21100	21425	Turn-up time (dBm)	MPR (dB)	
Frequency (MHz)				25605	2585	25865			
10	QPSK	1	0	22.60	22.65	22.57			
10	QPSK	1	25	22.59	22.50	22.54	24.5	0	
10	QPSK	1	50	22.57	22.54	22.54			
10	QPSK	25	0	21.60	21.59	21.54			
10	QPSK	25	12	21.57	22.51	22.52	23.5	1	
10	QPSK	25	25	21.56	21.59	21.52			
10	QPSK	50	0	21.55	21.59	21.56			
10	16QAM	1	0	21.77	21.69	21.53	23.5	1	
10	16QAM	1	25	21.71	21.72	21.58			
10	16QAM	1	50	21.80	21.69	21.62			
10	16QAM	25	0	20.52	20.50	20.55			
10	16QAM	25	12	20.56	20.50	20.50	22.5	2	
10	16QAM	25	25	20.58	20.51	20.51			
10	16QAM	50	0	20.57	20.53	20.54			
10	84QAM	1	0	20.72	20.67	20.53			
10	84QAM	1	25	20.62	20.62	20.56	22.5	2	
10	84QAM	1	50	20.73	20.65	20.57			
10	84QAM	25	0	19.58	19.56	19.55			
10	84QAM	25	12	19.55	19.50	19.53	21.5	3	
10	84QAM	25	25	19.56	19.52	19.52			
10	84QAM	50	0	19.58	19.55	19.52			
10	256QAM	1	0	17.67	17.58	17.58			
10	256QAM	1	25	17.52	17.52	17.55	19.5	5	
10	256QAM	1	50	17.56	17.57	17.58			
10	256QAM	25	0	17.52	17.55	17.55			
10	256QAM	25	12	17.51	17.57	17.53	19.5	5	
10	256QAM	25	25	17.55	17.56	17.56			
10	256QAM	50	0	17.53	17.57	17.51			
Channel									
Channel				20975	21100	21425	Turn-up time (dBm)	MPR (dB)	
Frequency (MHz)				25675	2585	25875			
5	QPSK	1	0	22.62	22.65	22.56			
5	QPSK	1	14	22.59	22.52	22.56	24.5	0	
5	QPSK	1	28	22.56	22.52	22.51			
5	QPSK	12	0	21.56	21.59	21.54			
5	QPSK	12	7	21.56	21.55	21.52	23.5	1	
5	QPSK	12	14	21.58	21.56	21.53			
5	QPSK	25	0	21.56	21.59	21.52			
5	16QAM	1	0	21.75	21.68	21.52	23.5	1	
5	16QAM	1	12	21.76	21.75	21.54			
5	16QAM	1	25	21.77	21.69	21.67			
5	16QAM	12	0	20.56	20.52	20.52	22.5	2	
5	16QAM	12	7	20.57	20.50	20.50			
5	16QAM	12	14	20.62	20.53	20.53			
5	16QAM	25	0	20.55	20.52	20.51			
5	84QAM	1	0	20.73	20.62	20.53			
5	84QAM	1	12	20.62	20.66	20.54	22.5	2	
5	84QAM	1	25	20.75	20.65	20.56			
5	84QAM	12	0	19.56	19.53	19.58			
5	84QAM	12	7	19.57	19.50	19.51	21.5	3	
5	84QAM	12	14	19.58	19.52	19.54			
5	84QAM	25	0	19.58	19.53	19.51			
5	256QAM	1	0	17.63	17.52	17.58			
5	256QAM	1	12	17.50	17.53	17.51	19.5	5	
5	256QAM	1	25	17.60	17.56	17.60			
5	256QAM	12	0	17.52	17.54	17.53			
5	256QAM	12	7	17.53	17.53	17.56	19.5	5	
5	256QAM	12	14	17.50	17.57	17.51			

Band 41_Ant 4_Other PA												
30W EIRP	Modulation	RB Size	RB Offset	Power Flux [dBm]	Power Flux [dBm]	Power Flux [dBm]	Power Flux [dBm]	Power Flux [dBm]	Power Flux [dBm]	Power Flux [dBm]	Time-on-air (min)	Mbps
Channel												
20	QPSK	1	0	19.77	19.77	19.82	19.82	19.82	19.82			
20	QPSK	1	40	19.82	19.82	19.82	19.82	19.82	19.82		10	0
20	QPSK	50	0	19.82	19.77	19.82	19.82	19.82	19.82			
20	QPSK	50	40	19.82	19.82	19.82	19.82	19.82	19.82			
20	QPSK	50	80	19.82	19.82	19.82	19.82	19.82	19.82			
20	QPSK	100	0	19.82	19.77	19.82	19.82	19.82	19.77			
20	QPSK	100	40	19.82	19.82	19.82	19.82	19.82	19.82		10	0
20	16QAM	1	0	19.81	19.84	19.82	19.82	19.82	19.82			
20	16QAM	1	40	19.81	19.84	19.82	19.82	19.82	19.82			
20	16QAM	50	0	19.81	19.84	19.82	19.82	19.82	19.82			
20	16QAM	50	40	19.81	19.84	19.82	19.82	19.82	19.82			
20	16QAM	50	80	19.81	19.84	19.82	19.82	19.82	19.82			
20	16QAM	100	0	19.81	19.82	19.84	19.82	19.82	19.82			
20	16QAM	100	40	19.81	19.84	19.82	19.82	19.82	19.82		10	0
20	16QAM	100	80	19.81	19.84	19.82	19.82	19.82	19.82			
20	64QAM	1	0	19.80	19.82	19.84	19.82	19.82	19.82			
20	64QAM	1	40	19.80	19.82	19.84	19.82	19.82	19.82			
20	64QAM	50	0	19.81	19.84	19.82	19.82	19.82	19.82			
20	64QAM	50	40	19.81	19.84	19.82	19.82	19.82	19.82			
20	64QAM	50	80	19.81	19.84	19.82	19.82	19.82	19.82			
20	64QAM	100	0	19.81	19.84	19.82	19.82	19.82	19.82			
20	64QAM	100	40	19.81	19.84	19.82	19.82	19.82	19.82		10	0
20	64QAM	100	80	19.81	19.84	19.82	19.82	19.82	19.82			
20	256QAM	1	0	19.80	19.82	19.84	19.82	19.82	19.82			
20	256QAM	1	40	19.80	19.82	19.84	19.82	19.82	19.82			
20	256QAM	50	0	19.84	19.86	19.88	19.84	19.84	19.84			
20	256QAM	50	40	19.84	19.86	19.88	19.84	19.84	19.84			
20	256QAM	50	80	19.84	19.86	19.88	19.84	19.84	19.84			
20	256QAM	100	0	19.84	19.86	19.88	19.84	19.84	19.84			
20	256QAM	100	40	19.84	19.86	19.88	19.84	19.84	19.84		10	0
20	256QAM	100	80	19.84	19.86	19.88	19.84	19.84	19.84			
Channel												
30	QPSK	1	0	19.73	19.73	19.80	19.80	19.80	19.80			
30	QPSK	1	37	19.57	19.41	19.43	19.24	19.24	19.24		10	0
30	QPSK	1	75	19.61	19.45	19.45	19.24	19.24	19.24			
30	QPSK	36	0	19.55	19.60	19.61	19.35	19.35	19.35			
30	QPSK	36	40	19.55	19.60	19.61	19.35	19.35	19.35			
30	QPSK	36	80	19.44	19.46	19.33	19.12	19.12	19.12			
30	QPSK	36	117	19.58	19.70	19.42	19.23	19.11	19.11			
30	QPSK	36	155	19.48	19.50	19.51	19.24	19.24	19.13			
30	16QAM	1	0	19.82	19.82	19.84	19.82	19.82	19.82			
30	16QAM	1	37	19.48	19.43	19.40	19.17	19.16	19.14			
30	16QAM	1	75	19.49	19.45	19.45	19.17	19.17	19.13			
30	16QAM	36	0	19.62	19.27	19.26	19.34	19.32	19.32			
30	16QAM	36	40	19.48	19.48	19.48	19.13	19.14	19.14			
30	16QAM	36	80	19.49	19.49	19.49	19.16	19.16	19.16			
30	16QAM	36	117	19.30	19.21	19.20	19.17	19.14	19.14			
30	16QAM	36	155	19.27	19.27	19.27	19.16	19.15	19.15			
30	64QAM	1	0	19.46	19.58	19.42	19.28	19.15	19.15		10	0
30	64QAM	1	37	19.48	19.22	19.48	19.20	19.37	19.37			
30	64QAM	1	75	19.45	19.26	19.38	19.30	19.38	19.38			
30	64QAM	36	0	19.43	19.44	19.44	19.21	19.13	19.13			
30	64QAM	36	40	19.43	19.44	19.44	19.21	19.13	19.13			
30	64QAM	36	80	19.43	19.44	19.38	19.13	19.18	19.18			
30	64QAM	36	117	19.43	19.40	19.37	19.30	19.32	19.32			
30	64QAM	36	155	19.43	19.40	19.37	19.30	19.32	19.32			
30	256QAM	1	0	19.80	19.80	19.73	19.50	19.50	19.50			
30	256QAM	1	37	19.47	19.48	19.48	19.24	19.24	19.24		10	0
30	256QAM	1	75	19.47	19.48	19.48	19.24	19.24	19.24			
30	256QAM	36	0	19.81	19.82	19.80	19.80	19.80	19.80			
30	256QAM	36	40	19.81	19.82	19.80	19.80	19.80	19.80			
30	256QAM	36	80	19.81	19.82	19.80	19.80	19.80	19.80			
30	256QAM	36	117	19.81	19.82	19.80	19.80	19.80	19.80			
30	256QAM	36	155	19.81	19.82	19.80	19.80	19.80	19.80			
30	256QAM	36	200	19.87	19.86	19.22	19.15	19.12	19.12		10	0
30	256QAM	36	237	19.87	19.86	19.24	19.16	19.16	19.16			
30	256QAM	36	275	19.87	19.86	19.24	19.16	19.16	19.16			
30	256QAM	36	312	19.87	19.86	19.24	19.16	19.16	19.16			
30	256QAM	36	350	19.87	19.86	19.24	19.16	19.16	19.16			
30	256QAM	36	387	19.87	19.86	19.24	19.16	19.16	19.16			
30	256QAM	36	425	19.87	19.86	19.24	19.16	19.16	19.16			
30	256QAM	36	462	19.87	19.86	19.24	19.16	19.16	19.16			
30	256QAM	36	500	19.87	19.86	19.24	19.16	19.16	19.16			
30	256QAM	36	537	19.87	19.86	19.24	19.16	19.16	19.16			
30	256QAM	36	575	19.87	19.86	19.24	19.16	19.16	19.16			
30	256QAM	36	612	19.87	19.86	19.24	19.16	19.16	19.16			
30	256QAM	36	650	19.87	19.86	19.24	19.16	19.16	19.16			
30	256QAM	36	687	19.87	19.86	19.24	19.16	19.16	19.16			
30	256QAM	36	725	19.87	19.86	19.24	19.16	19.16	19.16			
30	256QAM	36	762	19.87	19.86	19.24	19.16	19.16	19.16			
30	256QAM	36	800	19.87	19.86	19.24	19.16	19.16	19.16			
30	256QAM	36	837	19.87	19.86	19.24	19.16	19.16	19.16			
30	256QAM	36	875	19.87	19.86	19.24	19.16	19.16	19.16			
30	256QAM	36	912	19.87	19.86	19.24	19.16	19.16	19.16			
30	256QAM	36	950	19.87	19.86	19.24	19.16	19.16	19.16			
30	256QAM	36	987	19.87	19.86	19.24	19.16	19.16	19.16			
30	256QAM	36	1025	19.87	19.86	19.24	19.16	19.16	19.16			
30	256QAM	36	1062	19.87	19.86	19.24	19.16	19.16	19.16			
30	256QAM	36	1100	19.87	19.86	19.24	19.16	19.16	19.16			
30	256QAM	36	1137	19.87	19.86	19.24	19.16	19.16	19.16			
30	256QAM	36	1175	19.87	19.86	19.24	19.16	19.16	19.16			
30	256QAM	36	1212	19.87	19.86	19.24	19.16	19.16	19.16			
30	256QAM	36	1250	19.87	19.86	19.24	19.16	19.16	19.16			
30	256QAM	36	1287	19.87	19.86	19.24	19.16	19.16	19.16			
30	256QAM	36	1325	19.87	19.86	19.24	19.16	19.16	19.16			
30	256QAM	36	1362	19.87	19.86	19.24	19.16	19.16	19.16			
30	256QAM	36	1400	19.87	19.86	19.24	19.16	19.16	19.16			
30	256QAM	36	1437	19.87	19.86	19.24	19.16	19.16	19.16			
30	256QAM	36	1475	19.87	19.86	19.24	19.16	19.16	19.16			
30	256QAM	36	1512	19.87	19.86	19.24	19.16	19.16	19.16			
30	256QAM	36	1550	19.87	19.86	19.24	19.16	19.16	19.16			
30	256QAM	36	1587	19.87	19.86	19.24	19.16	19.16	19.16			
30	256QAM	36	1625	19.87	19.86	19.24	19.16	19.16	19.16			
30	256QAM	36	1662	19.87	19.86	19.24	19.16	19.16	19.16			
30	256QAM	36	1700	19.87	19.86	19.24	19.16	19.16	19.16			
30	256QAM	36	1737	19.87	19.86	19.24	19.16	19.16	19.16			
30	256QAM	36	1775	19.87	19.86	19.24	19.16	19.16	19.16			
30	256QAM	36	1812	19.87	19.86	19.24	19.16	19.16	19.16			
30	256QAM	36	1850	19.87	19.86	19.24	19.16	19.16	19.16			
30	256QAM	36	1887	19.87	19.86	19.24	19.16	19.16	19.16			
30	256QAM	36	1925	19.87	19.86	19.24	19.16	19.16	19.16			
30	256QAM	36	1962	19.87	19.86	19.24	19.16	19.16	19.16			
30	256QAM	36	2000	19.87	19.86	19.24	19.16	19.16	19.16			
30	256QAM	36	2037	19.87	19.86	19.24	19.16	19.16	19.16			
30	256QAM	36	2075	1								

Band 41_Ant 2_Other PA												
RF [MHz]	Modulation	Bit Rate [Mbps]	Bit Offset	Power [dBm]	Power [dBm]	Power [dBm]	Power [dBm]	Power [dBm]	Power [dBm]	Power [dBm]	Time-on-air [min]	Mbps [Mbps]
Channel				36750	40140	40650	41060	41660				
Frequency [MHz]				24.13	24.45	24.50	24.55	24.60				
30	QPSK	1	8	21.31	21.36	21.36	21.36	21.36	21.36	21.36	24	0
30	QPSK	1	8	21.31	22.26	22.33	22.31	22.27				
30	QPSK	1	8	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36	21.36	23	0
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36	21.36	23	0
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36	21.36	22	0
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36	21.36	21	0
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36	21.36	20	0
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36	21.36	19	0
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36	21.36	18	0
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36	21.36	17	0
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36	21.36	16	0
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36	21.36	15	0
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36	21.36	14	0
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36	21.36	13	0
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36	21.36	12	0
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36	21.36	11	0
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36	21.36	10	0
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36	21.36	9	0
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36	21.36	8	0
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36	21.36	7	0
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36	21.36	6	0
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36	21.36	5	0
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36	21.36	4	0
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36	21.36	3	0
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36	21.36	2	0
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36	21.36	1	0
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36	21.36	0	0
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			
30	QPSK	16	60	21.31	21.36	21.36	21.36	21.36	21.36			

[illegible]

Band 41_Ant 3_Other PA												
BR/PA	Modulation	BS Tx	BS Offset	Power Level	Power Line	Power Line	Power Line	Power Line	Power Line	Power Line	Time-on-air	BS/PA
Channel												
20	QPSK	1	0	18.43	18.43	18.43	18.43	18.43	18.43	18.43	17.5	0
20	QPSK	1	40	18.39	18.39	18.42	18.37	18.33	18.33	18.33	17.5	0
20	QPSK	1	80	18.35	18.35	18.38	18.33	18.29	18.29	18.29	17.5	0
20	QPSK	50	3	18.31	18.33	18.33	18.33	18.33	18.33	18.33	17.5	0
20	QPSK	50	40	18.27	18.30	18.32	18.27	18.29	18.29	18.29	17.5	0
20	QPSK	50	80	18.24	18.26	18.27	18.24	18.24	18.24	18.24	17.5	0
20	QPSK	100	0	18.20	18.21	18.24	18.21	18.21	18.21	18.21	17.5	0
20	QPSK	100	40	18.16	18.18	18.20	18.16	18.16	18.16	18.16	17.5	0
20	QPSK	100	80	18.12	18.14	18.15	18.12	18.12	18.12	18.12	17.5	0
20	QPSK	150	0	18.07	18.09	18.11	18.07	18.07	18.07	18.07	17.5	0
20	QPSK	150	40	18.03	18.05	18.06	18.03	18.03	18.03	18.03	17.5	0
20	QPSK	150	80	17.99	18.01	18.02	17.99	17.99	17.99	17.99	17.5	0
20	QPSK	200	0	17.94	17.96	17.97	17.94	17.94	17.94	17.94	17.5	0
20	QPSK	200	40	17.90	17.92	17.93	17.90	17.90	17.90	17.90	17.5	0
20	QPSK	200	80	17.86	17.88	17.89	17.86	17.86	17.86	17.86	17.5	0
20	QPSK	250	0	17.81	17.83	17.84	17.81	17.81	17.81	17.81	17.5	0
20	QPSK	250	40	17.77	17.79	17.80	17.77	17.77	17.77	17.77	17.5	0
20	QPSK	250	80	17.73	17.75	17.76	17.73	17.73	17.73	17.73	17.5	0
20	QPSK	300	0	17.68	17.70	17.71	17.68	17.68	17.68	17.68	17.5	0
20	QPSK	300	40	17.64	17.66	17.67	17.64	17.64	17.64	17.64	17.5	0
20	QPSK	300	80	17.60	17.62	17.63	17.60	17.60	17.60	17.60	17.5	0
20	QPSK	350	0	17.55	17.57	17.58	17.55	17.55	17.55	17.55	17.5	0
20	QPSK	350	40	17.51	17.53	17.54	17.51	17.51	17.51	17.51	17.5	0
20	QPSK	350	80	17.47	17.49	17.50	17.47	17.47	17.47	17.47	17.5	0
20	QPSK	400	0	17.42	17.44	17.45	17.42	17.42	17.42	17.42	17.5	0
20	QPSK	400	40	17.38	17.40	17.41	17.38	17.38	17.38	17.38	17.5	0
20	QPSK	400	80	17.34	17.36	17.37	17.34	17.34	17.34	17.34	17.5	0
20	QPSK	450	0	17.29	17.31	17.32	17.29	17.29	17.29	17.29	17.5	0
20	QPSK	450	40	17.25	17.27	17.28	17.25	17.25	17.25	17.25	17.5	0
20	QPSK	450	80	17.21	17.23	17.24	17.21	17.21	17.21	17.21	17.5	0
20	QPSK	500	0	17.16	17.18	17.19	17.16	17.16	17.16	17.16	17.5	0
20	QPSK	500	40	17.12	17.14	17.15	17.12	17.12	17.12	17.12	17.5	0
20	QPSK	500	80	17.08	17.10	17.11	17.08	17.08	17.08	17.08	17.5	0
20	QPSK	550	0	17.03	17.05	17.06	17.03	17.03	17.03	17.03	17.5	0
20	QPSK	550	40	16.99	17.01	17.02	16.99	16.99	16.99	16.99	17.5	0
20	QPSK	550	80	16.95	16.97	16.98	16.95	16.95	16.95	16.95	17.5	0
20	QPSK	600	0	16.90	16.92	16.93	16.90	16.90	16.90	16.90	17.5	0
20	QPSK	600	40	16.86	16.88	16.89	16.86	16.86	16.86	16.86	17.5	0
20	QPSK	600	80	16.82	16.84	16.85	16.82	16.82	16.82	16.82	17.5	0
20	QPSK	650	0	16.77	16.79	16.80	16.77	16.77	16.77	16.77	17.5	0
20	QPSK	650	40	16.73	16.75	16.76	16.73	16.73	16.73	16.73	17.5	0
20	QPSK	650	80	16.69	16.71	16.72	16.69	16.69	16.69	16.69	17.5	0
20	QPSK	700	0	16.64	16.66	16.67	16.64	16.64	16.64	16.64	17.5	0
20	QPSK	700	40	16.60	16.62	16.63	16.60	16.60	16.60	16.60	17.5	0
20	QPSK	700	80	16.56	16.58	16.59	16.56	16.56	16.56	16.56	17.5	0
20	QPSK	750	0	16.51	16.53	16.54	16.51	16.51	16.51	16.51	17.5	0
20	QPSK	750	40	16.47	16.49	16.50	16.47	16.47	16.47	16.47	17.5	0
20	QPSK	750	80	16.43	16.45	16.46	16.43	16.43	16.43	16.43	17.5	0
20	QPSK	800	0	16.38	16.40	16.41	16.38	16.38	16.38	16.38	17.5	0
20	QPSK	800	40	16.34	16.36	16.37	16.34	16.34	16.34	16.34	17.5	0
20	QPSK	800	80	16.30	16.32	16.33	16.30	16.30	16.30	16.30	17.5	0
20	QPSK	850	0	16.25	16.27	16.28	16.25	16.25	16.25	16.25	17.5	0
20	QPSK	850	40	16.21	16.23	16.24	16.21	16.21	16.21	16.21	17.5	0
20	QPSK	850	80	16.17	16.19	16.20	16.17	16.17	16.17	16.17	17.5	0
20	QPSK	900	0	16.12	16.14	16.15	16.12	16.12	16.12	16.12	17.5	0
20	QPSK	900	40	16.08	16.10	16.11	16.08	16.08	16.08	16.08	17.5	0
20	QPSK	900	80	16.04	16.06	16.07	16.04	16.04	16.04	16.04	17.5	0
20	QPSK	950	0	15.99	16.01	16.02	15.99	15.99	15.99	15.99	17.5	0
20	QPSK	950	40	15.95	15.97	15.98	15.95	15.95	15.95	15.95	17.5	0
20	QPSK	950	80	15.91	15.93	15.94	15.91	15.91	15.91	15.91	17.5	0
20	QPSK	1000	0	15.86	15.88	15.89	15.86	15.86	15.86	15.86	17.5	0
20	QPSK	1000	40	15.82	15.84	15.85	15.82	15.82	15.82	15.82	17.5	0
20	QPSK	1000	80	15.78	15.80	15.81	15.78	15.78	15.78	15.78	17.5	0
20	QPSK	1050	0	15.73	15.75	15.76	15.73	15.73	15.73	15.73	17.5	0
20	QPSK	1050	40	15.69	15.71	15.72	15.69	15.69	15.69	15.69	17.5	0
20	QPSK	1050	80	15.65	15.67	15.68	15.65	15.65	15.65	15.65	17.5	0
20	QPSK	1100	0	15.60	15.62	15.63	15.60	15.60	15.60	15.60	17.5	0
20	QPSK	1100	40	15.56	15.58	15.59	15.56	15.56	15.56	15.56	17.5	0
20	QPSK	1100	80	15.52	15.54	15.55	15.52	15.52	15.52	15.52	17.5	0
20	QPSK	1150	0	15.47	15.49	15.50	15.47	15.47	15.47	15.47	17.5	0
20	QPSK	1150	40	15.43	15.45	15.46	15.43	15.43	15.43	15.43	17.5	0
20	QPSK	1150	80	15.39	15.41	15.42	15.39	15.39	15.39	15.39	17.5	0
20	QPSK	1200	0	15.34	15.36	15.37	15.34	15.34	15.34	15.34	17.5	0
20	QPSK	1200	40	15.30	15.32	15.33	15.30	15.30	15.30	15.30	17.5	0
20	QPSK	1200	80	15.26	15.28	15.29	15.26	15.26	15.26	15.26	17.5	0
20	QPSK	1250	0	15.21	15.23	15.24	15.21	15.21	15.21	15.21	17.5	0
20	QPSK	1250	40	15.17	15.19	15.20	15.17	15.17	15.17	15.17	17.5	0
20	QPSK	1250	80	15.13	15.15	15.16	15.13	15.13	15.13	15.13	17.5	0
20	QPSK	1300	0	15.08	15.10	15.11	15.08	15.08	15.08	15.08	17.5	0
20	QPSK	1300	40	15.04	15.06	15.07	15.04	15.04	15.04	15.04	17.5	0
20	QPSK	1300	80	15.00	15.02	15.03	15.00	15.00	15.00	15.00	17.5	0
20	QPSK	1350	0	14.95	14.97	14.98	14.95	14.95	14.95	14.95	17.5	0
20	QPSK	1350	40	14.91	14.93	14.94	14.91	14.91	14.91	14.91	17.5	0
20	QPSK	1350	80	14.87	14.89	14.90	14.87	14.87	14.87	14.87	17.5	0
20	QPSK	1400	0	14.82	14.84	14.85	14.82	14.82	14.82	14.82	17.5	0
20	QPSK	1400	40	14.78	14.80	14.81	14.78	14.78	14.78	14.78	17.5	0
20	QPSK	1400	80	14.74	14.76	14.77	14.74	14.74	14.74	14.74	17.5	0
20	QPSK	1450	0	14.69	14.71	14.72	14.69	14.69	14.69	14.69	17.5	0
20	QPSK	1450	40	14.65	14.67	14.68	14.65	14.65	14.65	14.65	17.5	0
20	QPSK	1450	80	14.61	14.63	14.64	14.61	14.61	14.61	14.61	17.5	0
20	QPSK	1500	0	14.56	14.58	14.59	14.56	14.56	14.56	14.56	17.5	0
20	QPSK	1500	40	14.52	14.54	14.55	14.52	14.52	14.52	14.52	17.5	0
20	QPSK	1500	80	14.48	14.50	14.51	14.48	14.48	14.48	14.48	17.5	0
20	QPSK	1550	0	14.43	14.45	14.46	14.43	14.43	14.43	14.43	17.5	0
20	QPSK	1550	40	14.39	14.41	14.42	14.39	14.39	14.39	14.39	17.5	0
20	QPSK	1550	80	14.35	14.37	14.38	14.35	14.35	14.35	14.35	17.5	0
20	QPSK	1600	0	14.30	14.32	14.33	14.30	14.30	14.30	14.30	17.5	0
20	QPSK	1600	40	14.26	14.28	14.29	14.26	14.26	14.26	14.26	17.5	0
20	QPSK	1600	80	14.22	14.24	14.25	14.22	14.22	14.22	14.22	17.5	0
20	QPSK	1650	0	14.17	14.19	14.20	14.17	14.17	14.17	14.17	17.5	0
20	QPSK	1650	40	14.13	14.15	14.16	14.13	14.13	14.13	14.13	17.5	0
20	QPSK	1650	80	14.09	14.11	14.12	14.09	14.09	14.09	14.09	17.5	0
20	QPSK	1700	0	14.04	14.06	14.07	14.04	14.04	14.04	14.04	17.5</	

Reduced Power Mode for ECI3

Band 7_Ant 4_Other PA

BW (MHz)

Modulation

RB Size

RB Offset

Power Low Ch (mW)

Power Med Ch (mW)

Power High Ch (mW)

Time-up Int. (s)

MPR (dB)

Channel

20550 21100 21350

2510 2535 2560

20

QPSK

1

0

17.31

17.48

17.22

20

QPSK

1

49

17.20

17.33

17.16

19

0

20

QPSK

1

20

17.32

17.35

17.31

20

QPSK

50

0

17.04

17.15

17.05

20

QPSK

50

24

17.03

17.00

17.02

20

QPSK

50

50

17.03

17.14

17.00

20

16QAM

1

0

17.12

17.00

17.01

20

16QAM

1

49

17.01

17.13

16.96

20

16QAM

12

0

17.12

17.09

17.09

20

16QAM

12

49

17.10

17.11

17.02

20

16QAM

50

0

17.02

17.05

16.94

20

16QAM

50

24

17.02

17.05

16.94

20

16QAM

50

50

17.13

17.09

17.03

20

256QAM

1

0

17.13

17.14

16.80

20

256QAM

1

49

17.15

17.01

16.92

20

256QAM

1

49

17.11

17.04

16.92

20

256QAM

1

99

17.06

17.07

16.97

20

256QAM

1

99

17.03

17.17

16.96

20

256QAM

50

24

17.02

17.06

17.02

20

256QAM

50

50

17.13

17.09

17.03

20

256QAM

50

50

17.08

17.05

16.94

20

256QAM

1

0

17.42

17.48

17.38

20

256QAM

1

49

17.39

17.41

17.34

18

1

20

256QAM

1

99

17.38

17.48

17.32

20

256QAM

50

24

17.44

17.39

17.36

20

256QAM

50

24

17.28

17.26

17.35

20

256QAM

50

50

17.29

17.25

17.26

20

256QAM

100

0

17.40

17.35

17.30

Channel

20552 21100 21375

2507.5 2535 2562.5

15

QPSK

1

0

17.17

17.43

17.06

15

QPSK

1

37

17.10

17.24

17.06

15

QPSK

1

37

17.22

17.27

17.14

15

QPSK

36

0

16.93

17.08

16.92

15

QPSK

36

20

16.94

16.85

16.93

15

QPSK

36

39

16.87

17.01

16.95

15

QPSK

36

39

17.02

16.96

16.92

15

16QAM

1

0

16.99

16.88

16.96

15

16QAM

1

37

16.99

17.05

16.83

15

16QAM

1

37

17.05

17.05

16.86

15

16QAM

36

0

17.05

16.95

16.99

15

16QAM

36

20

16.96

16.92

16.90

15

16QAM

36

39

16.91

17.03

16.87

15

16QAM

36

39

17.02

17.03

16.83

15

84QAM

1

0

17.09

16.94

16.79

15

84QAM

1

37

17.04

16.92

16.80

15

84QAM

1

37

17.10

17.04

16.85

15

84QAM

36

0

16.96

17.02

16.92

15

84QAM

36

20

16.94

16.97

16.95

15

84QAM

36

39

17.03

17.00

16.89

15

84QAM

36

39

17.04

17.05

16.83

15

256QAM

1

0

17.37

17.41

17.32

15

256QAM

1

37

17.31

17.30

17.24

15

256QAM

1

37

17.31

17.30

17.24

15

256QAM

36

0

17.38

17.24

17.21

15

256QAM

36

20

17.35

17.11

17.28

15

256QAM

36

39

17.22

17.19

17.14

15

256QAM

36

39

17.25

17.11

17.19

Channel

20605 21100 21400

2505 2535 2565

10

QPSK

1

0

17.18

17.42

17.07

10

QPSK

1

25

17.11

17.20

17.03

10

QPSK

1

25

17.21

17.29

17.04

10

QPSK

25

0

16.91

17.05

16.90

10

QPSK

25

12

16.88

16.92

16.91

10

QPSK

25

12

16.98

17.05

16.86

10

QPSK

50

0

16.93

17.03

16.92

10

QPSK

50

0

17.02

16.95

16.95

10

16QAM

1

0

17.02

16.85

16.95

10

16QAM

1

25

16.99

17.08

16.93

10

16QAM

1

25

17.06

16.96

16.96

10

16QAM

25

0

17.05

16.98

16.91

10

16QAM

25

12

16.92

16.93

16.92

10

16QAM

25

12

16.98

17.05

16.86

10

16QAM

50

0

17.04

17.08

16.79

10

84QAM

1

0

17.00

16.90

16.85

10

84QAM

1

25

16.86

16.88

16.79

10

84QAM

1

25

17.01

17.01

16.85

10

84QAM

25

0

16.91

17.01

16.83

10

84QAM

25

12

16.93

17.00

16.87

10

84QAM

25

12

16.90

17.03

16.85

10

84QAM

50

0

16.99

16.96

16.82

10

256QAM

1

0

17.26

17.40

17.26

10

256QAM

1

25

17.23

17.29

17.20

10

256QAM

1

25

17.27

17.43

17.22

10

256QAM

25

0

17.33

17.22

17.27

10

256QAM

25

12

17.32

17.16

17.24

10

256QAM

25

12

17.21

17.20

17.11

10

256QAM

25

12

17.20

17.07

17.15

Channel

20775 21100 21425

2502.5 2535 2567.5

5

QPSK

1

0

17.20

17.42

17.10

5

QPSK

1

12

17.12

17.24

17.08

5

QPSK

1

24

17.22

17.19

17.03

5

QPSK

12

0

16.92

17.08

16.95

5

QPSK

12

7

16.83

16.93

16.93

5

QPSK

12

7

16.90

17.05

16.84

5

QPSK

25

0

16.98

16.99

16.96

5

16QAM

1

0

17.05

16.95

16.90

5

16QAM

1

12

16.93

17.06

16.85

5

16QAM

1

24

17.03

16.96

16.94

5

16QAM

12

0

17.04

16.95

16.96

5

16QAM

12

7

16.95

16.89

16.89

5

16QAM

12

7

16.98

17.05

16.87

5

16QAM

25

0

16.99

17.03

16.83

5

84QAM

1

0

17.10

16.96

16.85

5

84QAM

1

12

17.03

16.93

16.80

5

84QAM

1

24

16.92

16.96

16.86

5

84QAM

12

0

16.95

17.10

16.96

5

84QAM

12

7

16.95

16.96

16.89

5

84QAM

12

7

17.00

17.07

16.88

5

84QAM

25

0

16.99

16.99

16.99

5

256QAM

1

0

17.34

17.38

17.23

5

256QAM

1

12

17.32

17.32

17.20

5

256QAM

1

24

17.31

17.35

17.17

5

256QAM

12

0

17.36

17.27

17.27

5

256QAM

12

7

17.22

17.14

17.28

5

256QAM

12

7

17.25

17.17

17.28

5

256QAM

12

7

17.16

17.21

Channel

20850 21100 21475

2502.5 2535 2567.5

5

QPSK

1

0

18.42

19.73

19.43

5

QPSK

1

12

18.34

19.26

19.34

5

QPSK

1

24

18.45

19.45

19.35

5

QPSK

12

0

18.18

19.26

19.30

5

QPSK

12

7

19.14

19.08

19.11

5

QPSK

12

7

19.16

19.26

19.16

5

QPSK

25

0

19.15

19.17

19.20

5

16QAM

1

0

19.19

19.29

19.21

5

16QAM

1

12

19.14

19.23

18.99

5

16QAM

1

24

19.20

19.29

19.11

5

16QAM

12

0

19.15

19.16

19.14

5

16QAM

12

7

19.23

19.17

19.13

5

16QAM

12

7

19.25

19.26

19.16

5

16QAM

25

0

19.17

19.03

19.18

5

84QAM

1

0

19.25

19.11

19.11

5

84QAM

1

12

19.15

19.12

19.13

5

84QAM

1

24

19.25

19.26

19.19

5

84QAM

12

0

19.09

19.21

19.14

5

84QAM

12

7

19.17

19.08

19.11

5

84QAM

12

7

19.20

19.23

19.16

5

84QAM

25

0

19.17

19.19

19.09

5

256QAM

1

0

17.49

17.46

17.45

5

256QAM

1

12

17.36

17.42

17.48

5

256QAM

1

24

17.45

17.48

17.47

5

256QAM

12

0

17.38

17.43

17.48

5

256QAM

12

7

17.44

17.39

17.46

5

256QAM

12

7

17.45

17.44

17.47

Channel

20925 21100 21525

2502.5 2535 2567.5

5

QPSK

1

0

18.42

19.73

19.43

5

QPSK

1

12

18.34

19.26

19.34

5

QPSK

1

24

18.45

19.45

19.35

5

QPSK

12

0

18.18

19.26

19.30

5

QPSK

12

7

19.14

19.08

19.11

5

QPSK

12

7

19.16

19.26

19.16

5

QPSK

25

0

19.15

19.17

19.20

5

16QAM

1

0

19.19

19.29

19.21

5

16QAM

1

12

19.14

19.23

18.99

5

16QAM

1

24

19.20

19.29

19.11

5

16QAM

12

0

19.15

19.16

19.14

5

16QAM

12

7

19.23

19.17

19.13

5

16QAM

12

7

19.25

19.26

19.16

5

16QAM

25

0

19.17

19.03

19.18

5

84QAM

1

0

19.25

19.11

19.11

5

84QAM

1

12

19.15

19.12

19.13

5

84QAM

1

24

19.25

19.26

19.19

5

84QAM

12

0

19.09

19.21

19.14

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84QAM

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7

19.17

19.08

19.11

5

84QAM

12

7

19.20

19.23

19.16

5

[illegible]

Reduced Power Mode for ECI4

Band 7_Ant 4_Other PA												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Mid Ch./ Freq.	Power High Ch./ Freq.	Turn-up lim. (dBm)	MFR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	21.94	22.00	21.94	23.5	0				
20	QPSK	1	49	21.94	21.98	21.76						
20	QPSK	1	99	21.92	21.93	21.79						
20	QPSK	50	0	20.68	20.59	20.57						
20	QPSK	50	24	20.68	20.64	20.79	22.5	1				
20	QPSK	50	39	20.63	20.64	20.79						
20	QPSK	100	0	20.50	20.50	20.78						
20	16QAM	1	0	21.00	20.94	20.87						
20	16QAM	1	49	21.01	21.09	20.92	22.5	1				
20	16QAM	1	99	21.04	21.09	20.96						
20	16QAM	50	0	19.89	19.87	19.84						
20	16QAM	50	24	19.87	19.91	19.72						
20	16QAM	50	39	19.88	19.94	19.82	21.5	2				
20	16QAM	100	0	19.90	19.96	19.70						
20	64QAM	1	0	20.04	19.96	19.90						
20	64QAM	1	49	20.00	19.98	19.84						
20	64QAM	1	99	20.00	19.98	19.84	21.5	2				
20	64QAM	50	0	18.82	18.85	18.80						
20	64QAM	50	24	18.88	18.87	18.78						
20	64QAM	50	39	18.85	18.91	18.79						
20	64QAM	100	0	18.84	18.86	18.74	20.5	3				
20	256QAM	1	0	16.74	16.75	16.66						
20	256QAM	1	49	16.67	16.74	16.67						
20	256QAM	1	99	16.67	16.73	16.67						
20	256QAM	50	0	16.69	16.66	16.67	18.5	5				
20	256QAM	50	24	16.64	16.57	16.67						
20	256QAM	50	39	16.58	16.58	16.62						
20	256QAM	100	0	16.66	16.55	16.57						
Channel												
Frequency (MHz)												
20	QPSK	1	0	21.95	21.90	21.97	Turn-up lim. (dBm)	MFR (dB)				
15	QPSK	1	0	21.88	21.87	21.75						
15	QPSK	1	37	21.75	21.75	21.75						
15	QPSK	1	74	21.85	21.87	21.83						
15	QPSK	36	0	20.76	20.87	20.73	22.5	1				
15	QPSK	36	20	20.79	20.75	20.70						
15	QPSK	36	39	20.71	20.80	20.64						
15	QPSK	75	0	20.85	20.83	20.66						
15	16QAM	1	0	20.85	20.76	20.71	22.5	1				
15	16QAM	1	37	20.87	21.00	20.93						
15	16QAM	1	74	20.99	20.93	20.91						
15	16QAM	36	0	19.80	19.74	19.74						
15	16QAM	36	20	19.79	19.76	19.67	21.5	2				
15	16QAM	36	39	19.79	19.78	19.74						
15	16QAM	75	0	19.83	19.80	19.80						
15	64QAM	1	0	19.91	19.89	19.66						
15	64QAM	1	37	19.85	19.80	19.78	21.5	2				
15	64QAM	1	74	19.84	19.84	19.76						
15	64QAM	36	0	18.73	18.90	18.84						
15	64QAM	36	20	18.72	18.81	18.68						
15	64QAM	36	39	18.86	18.78	18.64	20.5	3				
15	64QAM	75	0	18.77	18.78	18.80						
15	256QAM	1	0	16.58	16.65	16.51						
15	256QAM	1	37	16.62	16.65	16.61						
15	256QAM	1	74	16.51	16.64	16.52	18.5	5				
15	256QAM	36	0	16.62	16.47	16.63						
15	256QAM	36	20	16.56	16.42	16.62						
15	256QAM	36	39	16.52	16.48	16.57						
15	256QAM	75	0	16.54	16.43	16.43						
Channel												
Frequency (MHz)												
10	QPSK	1	0	21.68	21.60	21.61	23.5	0				
10	QPSK	1	25	21.71	21.70	21.60						
10	QPSK	1	49	21.76	21.78	21.68						
10	QPSK	25	0	20.72	20.68	20.74						
10	QPSK	25	12	20.71	20.69	20.66	22.5	1				
10	QPSK	25	25	20.74	20.81	20.66						
10	QPSK	50	0	20.80	20.85	20.65						
10	16QAM	1	0	20.87	20.87	20.82						
10	16QAM	1	25	20.86	20.95	20.87	22.5	1				
10	16QAM	1	49	20.92	20.94	20.90						
10	16QAM	25	0	19.82	19.78	19.79						
10	16QAM	25	12	19.76	19.81	19.56						
10	16QAM	25	25	19.73	19.86	19.76	21.5	2				
10	16QAM	50	0	19.77	19.82	19.84						
10	64QAM	1	0	19.86	19.81	19.69						
10	64QAM	1	25	19.93	19.92	19.75						
10	64QAM	1	49	19.95	19.96	19.75	21.5	2				
10	64QAM	25	0	18.69	18.83	18.71						
10	64QAM	25	12	18.75	18.71	18.72						
10	64QAM	25	25	18.88	18.76	18.74						
10	64QAM	50	0	18.72	18.73	18.58	18.5	5				
10	256QAM	1	0	16.56	16.68	16.57						
10	256QAM	1	25	16.57	16.64	16.56						
10	256QAM	1	49	16.62	16.66	16.51						
10	256QAM	25	0	16.58	16.57	16.52	18.5	5				
10	256QAM	25	12	16.54	16.45	16.35						
10	256QAM	25	25	16.48	16.47	16.50						
10	256QAM	50	0	16.55	16.48	16.50						
Channel												
Frequency (MHz)												
5	QPSK	1	0	21.80	21.92	21.76	23.5	0				
5	QPSK	1	12	21.77	21.72	21.71						
5	QPSK	1	24	21.78	21.85	21.69						
5	QPSK	12	0	20.80	20.93	20.76						
5	QPSK	12	7	20.78	20.79	20.69	22.5	1				
5	QPSK	12	13	20.73	20.79	20.63						
5	16QAM	1	0	20.83	20.80	20.64						
5	16QAM	1	12	20.93	20.80	20.77						
5	16QAM	1	24	20.89	20.88	20.83	22.5	1				
5	16QAM	1	24	20.92	20.95	20.86						
5	16QAM	12	0	19.80	19.71	19.77						
5	16QAM	12	7	19.71	19.77	19.66						
5	16QAM	12	13	19.81	19.80	19.69	21.5	2				
5	16QAM	25	0	19.83	19.85	19.83						
5	64QAM	1	0	19.97	19.90	19.75						
5	64QAM	1	12	19.89	19.92	19.74						
5	64QAM	1	24	19.87	19.84	19.69	21.5	2				
5	64QAM	12	0	18.67	18.86	18.68						
5	64QAM	12	7	18.74	18.78	18.65						
5	64QAM	12	13	18.88	18.81	18.66						
5	64QAM	25	0	18.74	18.76	18.68	18.5	5				
5	256QAM	1	0	16.58	16.66	16.56						
5	256QAM	1	12	16.59	16.68	16.57						
5	256QAM	1	24	16.59	16.63	16.51						
5	256QAM	12	0	16.53	16.46	16.43	18.5	5				
5	256QAM	12	7	16.53	16.41	16.35						
5	256QAM	12	13	16.50	16.45	16.36						
5	256QAM	25	0	16.58	16.39	16.47						

Band 7_Ant 2_Other PA									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (dBm)	Power High Ch. Freq. (dBm)	Power High Freq. (dBm)	Turn-up lim. (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.53	22.58	22.58	24.5	0	
20	QPSK	1	49	22.53	22.54	22.57			
20	QPSK	1	99	22.51	22.58	22.56			
20	QPSK	50	0	21.63	21.65	21.58			
20	QPSK	50	24	21.60	21.53	21.53	23.5	1	
20	QPSK	50	50	21.61	21.57	21.57			
20	QPSK	100	0	21.58	21.52	21.57			
20	16QAM	1	0	21.78	21.73	21.58			
20	16QAM	1	49	21.77	21.76	21.60	23.5	1	
20	16QAM	1	99	21.82	21.72	21.58			
20	16QAM	50	0	20.57	20.55	20.57			
20	16QAM	50	24	20.61	20.52	20.51			
20	16QAM	50	50	20.63	20.55	20.55	22.5	2	
20	16QAM	100	0	20.60	20.53	20.54			
20	64QAM	1	0	20.75	20.68	20.58			
20	64QAM	1	49	20.65	20.67	20.60			
20	64QAM	1	99	20.77	20.71	20.56	22.5	2	
20	64QAM	50	0	19.58	19.57	19.59			
20	64QAM	50	24	19.60	19.53	19.54			
20	64QAM	50	50	19.64	19.56	19.57			
20	64QAM	100	0	19.62	19.55	19.57	21.5	3	
20	256QAM	1	0	17.64	17.58	17.54			
20	256QAM	1	49	17.53	17.55	17.56			
20	256QAM	1	99	17.57	17.54	17.60			
20	256QAM	50	0	17.51	17.51	17.54	19.5	5	
20	256QAM	50	24	17.54	17.50	17.52			
20	256QAM	50	50	17.52	17.51	17.58			
20	256QAM	100	0	17.58	17.52	17.54			
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.48	22.56	22.44	24.5	0	
15	QPSK	1	37	22.42	22.47	22.45			
15	QPSK	1	75	22.55	22.51	22.48			
15	QPSK	36	20	21.50	21.52	21.52			
15	QPSK	36	20	21.45	21.44	21.38	23.5	1	
15	QPSK	36	56	21.49	21.44	21.43			
15	QPSK	75	0	21.52	21.49	21.44			
15	16QAM	1	0	21.69	21.68	21.44			
15	16QAM	1	37	21.63	21.62	21.49	23.5	1	
15	16QAM	1	74	21.61	21.57	21.45			
15	16QAM	36	0	20.50	20.45	20.51			
15	16QAM	36	20	20.54	20.38	20.37			
15	16QAM	36	20	20.57	20.45	20.37	22.5	2	
15	16QAM	75	0	20.42	20.42	20.50			
15	64QAM	1	0	20.68	20.53	20.43			
15	64QAM	1	37	20.53	20.58	20.44			
15	64QAM	1	74	20.71	20.57	20.47	22.5	2	
15	64QAM	36	0	19.46	19.47	19.43			
15	64QAM	36	20	19.48	19.42	19.45			
15	64QAM	1	39	19.57	19.42	19.51			
15	64QAM	1	75	19.58	19.50	19.47	21.5	3	
15	256QAM	1	0	17.58	17.50	17.48			
15	256QAM	1	37	17.39	17.50	17.45			
15	256QAM	1	74	17.52	17.44	17.46			
15	256QAM	36	0	17.36	17.43	17.43	19.5	5	
15	256QAM	36	20	17.42	17.42	17.41			
15	256QAM	36	20	17.41	17.42	17.41			
15	256QAM	75	0	17.43	17.42	17.48			
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.56	22.61	22.48	24.5	0	
10	QPSK	1	25	22.42	22.47	22.45			
10	QPSK	1	50	22.53	22.49	22.48			
10	QPSK	25	12	21.54	21.59	21.47			
10	QPSK	25	12	21.44	21.40	21.43	23.5	1	
10	QPSK	25	25	21.46	21.53	21.42			
10	QPSK	50	0	21.45	21.52	21.42			
10	16QAM	1	0	21.62	21.62	21.52			
10	16QAM	1	25	21.70	21.62	21.49	23.5	1	
10	16QAM	1	50	21.71	21.63	21.52			
10	16QAM	25	0	20.51	20.50	20.52			
10	16QAM	25	12	20.53	20.36	20.40			
10	16QAM	25	25	20.58	20.40	20.42	22.5	2	
10	64QAM	1	0	20.63	20.60	20.42			
10	64QAM	1	25	20.57	20.51	20.50			
10	64QAM	1	50	20.62	20.55	20.48			
10	64QAM	25	0	19.50	19.46	19.46	21.5	3	
10	64QAM	25	12	19.50	19.37	19.48			
10	64QAM	25	25	19.59	19.47	19.48			
10	64QAM	50	0	19.47	19.40	19.44			
10	256QAM	1	0	17.48	17.50	17.52	19.5	5	
10	256QAM	1	25	17.40	17.47	17.46			
10	256QAM	1	50	17.52	17.44	17.46			
10	256QAM	25	0	17.45	17.41	17.50			
10	256QAM	25	12	17.43	17.44	17.39	19.5	5	
10	256QAM	25	25	17.36	17.45	17.42			
10	256QAM	50	0	17.47	17.45	17.42			
10	256QAM	50	12	17.41	17.42	17.45			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.57	22.62	22.53	24.5	0	
5	QPSK	1	25	22.43	22.52	22.43			
5	QPSK	1	24	22.55	22.47	22.48			
5	QPSK	12	7	21.48	21.53	21.48			
5	QPSK	12	7	21.49	21.48	21.40	23.5	1	
5	QPSK	12	14	21.48	21.47	21.41			
5	QPSK	25	0	21.56	21.53	21.43			
5	16QAM	1	0	21.73	21.66	21.52			
5	16QAM	1	25	21.68	21.61	21.58	23.5	1	
5	16QAM	1	24	21.77	21.67	21.51			
5	16QAM	12	0	20.43	20.42	20.43			
5	16QAM	12	7	20.45	20.37	20.39			
5	16QAM	12	14	20.48	20.35	20.41	22.5	2	
5	64QAM	1	0	20.46	20.41	20.40			
5	64QAM	1	12	20.67	20.62	20.42			
5	64QAM	1	12	20.60	20.57	20.48			
5	64QAM	12	0	19.51	19.49	19.42	21.5	3	
5	64QAM	12	7	19.49	19.49	19.54			
5	64QAM	12	7	19.49	19.47	19.49			
5	64QAM	25	0	19.50	19.51	19.47			
5	256QAM	1	0	17.49	17.50	17.48	19.5	5	
5	256QAM	1	12	17.43	17.39	17.49			
5	256QAM	1	12	17.42	17.41	17.45			
5	256QAM	12	0	17.39	17.46	17.47			
5	256QAM	12	7	17.38	17.45	17.47	19.5	5	
5	256QAM	12	14	17.46	17.45	17.42			
5	256QAM	25	0	17.51	17.37	17.41			
5	256QAM	25	7	17.51	17.37	17.41			

Band 41_Ant 4_Other PA												
5W EIRP	Modulation	RB Size	RB Offset	Power Ch. Freq	Power Ch. Freq	Power Ch. Freq	Power Ch. Freq	Power Ch. Freq	Power Ch. Freq	Power Ch. Freq	Time-slot (ms)	MPR (dB)
Channel												
26	QPSK	1	0	21.52	21.72	21.93	22.13	22.34	22.54	22.75	0	
	QPSK	1	46	21.58	21.81	21.98	22.21	22.31	22.51	22.76		
	QPSK	1	92	21.64	21.87	22.04	22.27	22.37	22.57	22.82		
	QPSK	1	138	21.70	21.93	22.10	22.33	22.43	22.63	22.88		
	QPSK	1	184	21.76	21.99	22.16	22.39	22.49	22.69	22.94		
	QPSK	1	230	21.82	22.05	22.22	22.45	22.55	22.75	23.00		
	QPSK	1	276	21.88	22.11	22.28	22.51	22.61	22.81	23.06		
	QPSK	1	322	21.94	22.17	22.34	22.57	22.67	22.87	23.12		
	QPSK	1	368	22.00	22.23	22.40	22.63	22.73	22.93	23.18		
	QPSK	1	414	22.06	22.29	22.46	22.69	22.79	22.99	23.24		
26	QPSK	1	460	22.12	22.35	22.52	22.75	22.85	23.05	23.30	22	
	QPSK	1	506	22.18	22.41	22.58	22.81	22.91	23.11	23.36		
	QPSK	1	552	22.24	22.47	22.64	22.87	22.97	23.17	23.42		
	QPSK	1	598	22.30	22.53	22.70	22.93	23.03	23.23	23.48		
	QPSK	1	644	22.36	22.59	22.76	22.99	23.09	23.29	23.54		
	QPSK	1	690	22.42	22.65	22.82	23.05	23.15	23.35	23.60		
	QPSK	1	736	22.48	22.71	22.88	23.11	23.21	23.41	23.66		
	QPSK	1	782	22.54	22.77	22.94	23.17	23.27	23.47	23.72		
	QPSK	1	828	22.60	22.83	23.00	23.23	23.33	23.53	23.78		
	QPSK	1	874	22.66	22.89	23.06	23.29	23.39	23.59	23.84		
26	QPSK	1	920	22.72	22.95	23.12	23.35	23.45	23.65	23.90	21	
	QPSK	1	966	22.78	23.01	23.18	23.41	23.51	23.71	23.96		
	QPSK	1	1012	22.84	23.07	23.24	23.47	23.57	23.77	24.02		
	QPSK	1	1058	22.90	23.13	23.30	23.53	23.63	23.83	24.08		
	QPSK	1	1104	22.96	23.19	23.36	23.59	23.69	23.89	24.14		
	QPSK	1	1150	23.02	23.25	23.42	23.65	23.75	23.95	24.20		
	QPSK	1	1196	23.08	23.31	23.48	23.71	23.81	24.01	24.26		
	QPSK	1	1242	23.14	23.37	23.54	23.77	23.87	24.07	24.32		
	QPSK	1	1288	23.20	23.43	23.60	23.83	23.93	24.13	24.38		
	QPSK	1	1334	23.26	23.49	23.66	23.89	23.99	24.19	24.44		
26	QPSK	1	1380	23.32	23.55	23.72	23.95	24.05	24.25	24.50	21	
	QPSK	1	1426	23.38	23.61	23.78	24.01	24.11	24.31	24.56		
	QPSK	1	1472	23.44	23.67	23.84	24.07	24.17	24.37	24.62		
	QPSK	1	1518	23.50	23.73	23.90	24.13	24.23	24.43	24.68		
	QPSK	1	1564	23.56	23.79	23.96	24.19	24.29	24.49	24.74		
	QPSK	1	1610	23.62	23.85	24.02	24.25	24.35	24.55	24.80		
	QPSK	1	1656	23.68	23.91	24.08	24.31	24.41	24.61	24.86		
	QPSK	1	1702	23.74	23.97	24.14	24.37	24.47	24.67	24.92		
	QPSK	1	1748	23.80	24.03	24.20	24.43	24.53	24.73	24.98		
	QPSK	1	1794	23.86	24.09	24.26	24.49	24.59	24.79	25.04		
26	QPSK	1	1840	23.92	24.15	24.32	24.55	24.65	24.85	25.10	20	
	QPSK	1	1886	23.98	24.21	24.38	24.61	24.71	24.91	25.16		
	QPSK	1	1932	24.04	24.27	24.44	24.67	24.77	24.97	25.22		
	QPSK	1	1978	24.10	24.33	24.50	24.73	24.83	25.03	25.28		
	QPSK	1	2024	24.16	24.39	24.56	24.79	24.89	25.09	25.34		
	QPSK	1	2070	24.22	24.45	24.62	24.85	24.95	25.15	25.40		
	QPSK	1	2116	24.28	24.51	24.68	24.91	25.01	25.21	25.46		
	QPSK	1	2162	24.34	24.57	24.74	24.97	25.07	25.27	25.52		
	QPSK	1	2208	24.40	24.63	24.80	25.03	25.13	25.33	25.58		
	QPSK	1	2254	24.46	24.69	24.86	25.09	25.19	25.39	25.64		
26	QPSK	1	2300	24.52	24.75	24.92	25.15	25.25	25.45	25.70	22	
	QPSK	1	2346	24.58	24.81	24.98	25.21	25.31	25.51	25.76		
	QPSK	1	2392	24.64	24.87	25.04	25.27	25.37	25.57	25.82		
	QPSK	1	2438	24.70	24.93	25.10	25.33	25.43	25.63	25.88		
	QPSK	1	2484	24.76	24.99	25.16	25.39	25.49	25.69	25.94		
	QPSK	1	2530	24.82	25.05	25.22	25.45	25.55	25.75	26.00		
	QPSK	1	2576	24.88	25.11	25.28	25.51	25.61	25.81	26.06		
	QPSK	1	2622	24.94	25.17	25.34	25.57	25.67	25.87	26.12		
	QPSK	1	2668	25.00	25.23	25.40	25.63	25.73	25.93	26.18		
	QPSK	1	2714	25.06	25.29	25.46	25.69	25.79	25.99	26.24		
26	QPSK	1	2760	25.12	25.35	25.52	25.75	25.85	26.05	26.30	21	
	QPSK	1	2806	25.18	25.41	25.58	25.81	25.91	26.11	26.36		
	QPSK	1	2852	25.24	25.47	25.64	25.87	25.97	26.17	26.42		
	QPSK	1	2898	25.30	25.53	25.70	25.93	26.03	26.23	26.48		
	QPSK	1	2944	25.36	25.59	25.76	25.99	26.09	26.29	26.54		
	QPSK	1	2990	25.42	25.65	25.82	26.05	26.15	26.35	26.60		
	QPSK	1	3036	25.48	25.71	25.88	26.11	26.21	26.41	26.66		
	QPSK	1	3082	25.54	25.77	25.94	26.17	26.27	26.47	26.72		
	QPSK	1	3128	25.60	25.83	26.00	26.23	26.33	26.53	26.78		
	QPSK	1	3174	25.66	25.89	26.06	26.29	26.39	26.59	26.84		
26	QPSK	1	3220	25.72	25.95	26.12	26.35	26.45	26.65	26.90	21	
	QPSK	1	3266	25.78	26.01	26.18	26.41	26.51	26.71	26.96		
	QPSK	1	3312	25.84	26.07	26.24	26.47	26.57	26.77	27.02		
	QPSK	1	3358	25.90	26.13	26.30	26.53	26.63	26.83	27.08		
	QPSK	1	3404	25.96	26.19	26.36	26.59	26.69	26.89	27.14		
	QPSK	1	3450	26.02	26.25	26.42	26.65	26.75	26.95	27.20		
	QPSK	1	3496	26.08	26.31	26.48	26.71	26.81	27.01	27.26		
	QPSK	1	3542	26.14	26.37	26.54	26.77	26.87	27.07	27.32		
	QPSK	1	3588	26.20	26.43	26.60	26.83	26.93	27.13	27.38		
	QPSK	1	3634	26.26	26.49	26.66	26.89	26.99	27.19	27.44		
26	QPSK	1	3680	26.32	26.55	26.72	26.95	27.05	27.25	27.50	20	
	QPSK	1	3726	26.38	26.61	26.78	27.01	27.11	27.31	27.56		
	QPSK	1	3772	26.44	26.67	26.84	27.07	27.17	27.37	27.62		
	QPSK	1	3818	26.50	26.73	26.90	27.13	27.23	27.43	27.68		
	QPSK	1	3864	26.56	26.79	26.96	27.19	27.29	27.49	27.74		
	QPSK	1	3910	26.62	26.85	27.02	27.25	27.35	27.55	27.80		
	QPSK	1	3956	26.68	26.91	27.08	27.31	27.41	27.61	27.86		
	QPSK	1	4002	26.74	26.97	27.14	27.37	27.47	27.67	27.92		
	QPSK	1	4048	26.80	27.03	27.20	27.43	27.53	27.73	27.98		
	QPSK	1	4094	26.86	27.09	27.26	27.49	27.59	27.79	28.04		
26	QPSK	1	4140	26.92	27.15	27.32	27.55	27.65	27.85	28.10	21	
	QPSK	1	4186	26.98	27.21	27.38	27.61	27.71	27.91	28.16		
	QPSK	1	4232	27.04	27.27	27.44	27.67	27.77	27.97	28.22		
	QPSK	1	4278	27.10	27.33	27.50	27.73	27.83	28.03	28.28		
	QPSK	1	4324	27.16	27.39	27.56	27.79	27.89	28.09	28.34		
	QPSK	1	4370	27.22	27.45	27.62	27.85	27.95	28.15	28.40		
	QPSK	1	4416	27.28	27.51	27.68	27.91	28.01	28.21	28.46		
	QPSK	1	4462	27.34	27.57	27.74	27.97	28.07	28.27	28.52		
	QPSK	1	4508	27.40	27.63	27.80	28.03	28.13	28.33	28.58		
	QPSK	1	4554	27.46	27.69	27.86	28.09	28.19	28.39	28.64		
26	QPSK	1	4600	27.52	27.75	27.92	28.15	28.25	28.45	28.70	21	
	QPSK	1	4646	27.58	27.81	27.98	28.21	28.31	28.51	28.76		
	QPSK	1	4692	27.64	27.87	28.04	28.27	28.37	28.57	28.82		
	QPSK	1	4738	27.70	27.93	28.10	28.33	28.43	28.63	28.88		
	QPSK	1	4784	27.76	27.99	28.16	28.39	28.49	28.69	28.94		
	QPSK	1	4830	27.82	28.05	28.22	28.45	28.55	28.75	29.00		
	QPSK	1	4876	27.88	28.11	28.28	28.51	28.61	28.81	29.06		
	QPSK	1	4922	27.94	28.17	28.34	28.57	28.67	28.87	29.12		
	QPSK	1	4968	28.00	28.23	28.40	28.63	28.73	28.93	29.18		
	QPSK	1	5014	28.06	28.29	28.46	28.69	28.79	28.99	29.24		
26	QPSK	1	5060	28.12	28.35	28.52	28.75	28.85	29.05	29.30	22	
	QPSK	1	5106	28.18	28.41	28.58	28.81	28.91	29.11	29.36		
	QPSK	1	5152	28.24	28.47	28.64	28.87	28.97	29.17	29.42		
	QPSK	1	5198	28.30	28.53	28.70	28.93	29.03	29.23	29.48		
	QPSK	1	5244	28.36	28.59	28.76	28.99	29.09	29.29	29.54		
	QPSK	1	5290	28.42	28.65	28.82	29.05	29.15	29.35	29.60		
	QPSK	1	5336	28.48	28.71	28.88	29.11	29.21	29.41	29.66		
	QPSK	1	5382	28.54	28.77	28.94	29.17	29.27	29.47	29.72		
	QPSK	1	5428	28.60	28.83	29.00	29.23	29.33	29.53	29.78		
	QPSK	1	5474	28.66	28.89	29.06	29.29	29.39	29.59	29.84		
26	QPSK	1	5520	28.72	28.95	29.12	29.35	29.45	29.65	29.90	21	
	QPSK	1	5566	28.78	29.01	29.18	29.41	29.51	29.71	29.96		
	QPSK	1	5612									

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Band 41_Ant 3_Other PA													
BW (MHz)	Modulation	RB Size	RB Offset	Power (mW)	Power (mW)	Power (mW)	Power (mW)	Power (mW)	Power (mW)	Power (mW)	Power (mW)	Time-on-air (min)	MPE (dB)
Channel													
Frequency (MHz)	Channel	RB Size	RB Offset	Power (mW)	Power (mW)	Power (mW)	Power (mW)	Power (mW)	Power (mW)	Power (mW)	Power (mW)	Time-on-air (min)	MPE (dB)
20	OFDM	1	0	29.37	29.15	49.62	41.65	41.62	22.12	20.84		24.5	0
20	OFDM	1	46	29.29	29.03	29.31	29.11	22.92	22.92				
20	OFDM	36	0	22.33	22.31	21	21	22.92	22.92				
20	OFDM	36	46	22.33	22.34	22.26	22.06	22.92	22.92			23.5	
20	OFDM	100	0	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	46	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	90	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	136	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	180	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	224	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	268	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	312	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	356	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	400	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	444	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	488	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	532	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	576	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	620	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	664	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	708	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	752	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	796	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	840	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	884	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	928	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	972	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	1016	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	1060	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	1104	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	1148	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	1192	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	1236	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	1280	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	1324	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	1368	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	1412	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	1456	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	1500	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	1544	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	1588	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	1632	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	1676	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	1720	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	1764	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	1808	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	1852	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	1896	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	1940	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	1984	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	2028	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	2072	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	2116	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	2160	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	2204	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	2248	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	2292	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	2336	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	2380	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	2424	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	2468	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	2512	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	2556	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	2600	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	2644	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	2688	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	2732	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	2776	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	2820	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	2864	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	2908	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	2952	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	2996	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	3040	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	3084	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	3128	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	3172	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	3216	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	3260	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	3304	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	3348	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	3392	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	3436	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	3480	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	3524	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	3568	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	3612	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	3656	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	3700	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	3744	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	3788	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	3832	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	3876	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	3920	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	3964	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	4008	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	4052	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	4096	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	4140	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	4184	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	4228	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	4272	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	4316	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	4360	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	4404	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	4448	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	4492	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	4536	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	4580	20.42	20.44	20.18	20.08	21.12	21.12				
20	OFDM	100	4624</										

Reduced Power Mode for ECIS

Band 7_Ant 4_Other PA												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-on time (dBm)	MPR (dB)				
Channel												
Channel				20850	21100	21350						
Frequency (MHz)				2510	2535	2560						
20	QPSK	1	0	15.76	15.83	15.77	17.5	0				
20	QPSK	1	49	15.75	15.77	15.84						
20	QPSK	1	99	15.80	15.78	15.73						
20	QPSK	50	0	15.52	15.54	15.55						
20	QPSK	50	24	15.50	15.56	15.54						
20	QPSK	50	50	15.59	15.58	15.54	17.5	0				
20	QPSK	100	0	15.55	15.55	15.52						
20	16QAM	1	0	15.59	15.57	15.44						
20	16QAM	1	49	15.48	15.57	15.37						
20	16QAM	1	99	15.60	15.67	15.30						
20	16QAM	50	0	15.53	15.53	15.57	17.5	0				
20	16QAM	50	24	15.52	15.56	15.47						
20	16QAM	50	50	15.52	15.54	15.54						
20	16QAM	100	0	15.58	15.50	15.34						
20	16QAM	1	0	15.61	15.59	15.38	17.5	0				
20	16QAM	1	49	15.61	15.57	15.42						
20	16QAM	1	99	15.63	15.57	15.42						
20	16QAM	50	0	15.48	15.63	15.49						
20	16QAM	50	24	15.57	15.58	15.48						
20	16QAM	50	50	15.60	15.62	15.43	17.5	0				
20	16QAM	100	0	15.54	15.51	15.47						
20	256QAM	1	0	15.59	15.50	15.36						
20	256QAM	1	49	15.62	15.55	15.39						
20	256QAM	50	0	15.91	15.83	15.87	17.5	0				
20	256QAM	50	24	15.84	15.79	15.85						
20	256QAM	50	50	15.83	15.77	15.85						
20	256QAM	100	0	15.81	15.80	15.80						
Channel												
Channel				20825	21100	21375						
Frequency (MHz)				2510	2535	2560						
15	QPSK	1	0	15.78	15.87	15.66	17.5			0		
15	QPSK	1	37	15.66	15.62	15.58						
15	QPSK	1	74	15.65	15.66	15.64						
15	QPSK	36	20	15.52	15.48	15.41						
15	QPSK	36	39	15.50	15.48	15.49						
15	QPSK	75	0	15.45	15.45	15.32	17.5	0				
15	16QAM	1	0	15.52	15.51	15.36						
15	16QAM	1	37	15.32	15.45	15.25						
15	16QAM	1	74	15.54	15.51	15.42						
15	16QAM	36	0	15.47	15.48	15.31						
15	16QAM	36	20	15.44	15.58	15.32	17.5	0				
15	16QAM	36	39	15.40	15.59	15.47						
15	16QAM	75	0	15.52	15.45	15.22						
15	16QAM	1	37	15.52	15.51	15.35						
15	16QAM	1	74	15.58	15.48	15.26						
15	16QAM	36	0	15.49	15.47	15.31	17.5	0				
15	16QAM	36	20	15.44	15.48	15.38						
15	16QAM	36	39	15.53	15.57	15.31						
15	16QAM	75	0	15.42	15.41	15.36						
15	256QAM	1	37	15.79	15.80	15.78						
15	256QAM	1	74	15.76	15.84	15.68						
15	256QAM	36	0	15.78	15.78	15.81						
15	256QAM	36	20	15.75	15.86	15.67	17.5	0				
15	256QAM	36	39	15.68	15.63	15.73						
15	256QAM	75	0	15.71	15.68	15.74						
Channel												
Channel				20800	21050	21400						
Frequency (MHz)				2505	2530	2565						
10	QPSK	1	0	15.70	15.92	15.85	17.5	0				
10	QPSK	1	25	15.62	15.61	15.92						
10	QPSK	1	49	15.74	15.72	15.82						
10	QPSK	25	0	15.50	15.48	15.49						
10	QPSK	25	12	15.52	15.43	15.49						
10	QPSK	25	25	15.50	15.45	15.42	17.5	0				
10	QPSK	50	0	15.44	15.52	15.37						
10	16QAM	1	0	15.46	15.48	15.34						
10	16QAM	1	25	15.34	15.49	15.22						
10	16QAM	1	49	15.55	15.56	15.36						
10	16QAM	1	24	15.57	15.55	15.35	17.5	0				
10	16QAM	25	12	15.43	15.44	15.41						
10	16QAM	25	25	15.44	15.48	15.46						
10	16QAM	50	0	15.52	15.52	15.35						
10	16QAM	50	0	15.54	15.50	15.33						
10	16QAM	1	25	15.54	15.52	15.29	17.5	0				
10	16QAM	1	49	15.48	15.50	15.27						
10	16QAM	25	0	15.43	15.58	15.46						
10	16QAM	25	12	15.49	15.53	15.33						
10	16QAM	25	25	15.52	15.50	15.32						
10	16QAM	50	0	15.49	15.48	15.31	17.5	0				
10	16QAM	50	0	15.54	15.54	15.37						
10	16QAM	50	24	15.54	15.54	15.37						
10	16QAM	50	50	15.54	15.54	15.37						
10	16QAM	100	0	15.56	15.49	15.30						
10	16QAM	1	12	15.55	15.49	15.27	17.5	0				
10	16QAM	1	24	15.61	15.47	15.32						
10	16QAM	12	0	15.38	15.49	15.34						
10	16QAM	12	7	15.49	15.46	15.40						
10	16QAM	12	13	15.49	15.49	15.32						
10	16QAM	25	0	15.39	15.37	15.41	17.5	0				
10	256QAM	1	0	15.92	15.74	15.80						
10	256QAM	1	12	15.86	15.83	15.84						
10	256QAM	1	24	15.79	15.73	15.75						
10	256QAM	12	0	15.79	15.70	15.71						
10	256QAM	25	12	15.73	15.65	15.74	17.5	0				
10	256QAM	25	25	15.69	15.67	15.73						
10	256QAM	50	0	15.66	15.69	15.73						
Channel												
Channel				20775	21100	21425						
Frequency (MHz)				2502.5	2535	2567.5						
5	QPSK	1	0	15.76	15.98	15.83	17.5	0				
5	QPSK	1	12	15.67	15.63	15.53						
5	QPSK	1	24	15.70	15.67	15.61						
5	QPSK	12	0	15.57	15.51	15.47						
5	QPSK	12	7	15.49	15.51	15.48						
5	QPSK	12	13	15.50	15.50	15.39	17.5	0				
5	QPSK	25	0	15.48	15.45	15.33						
5	16QAM	1	0	15.45	15.44	15.29						
5	16QAM	1	12	15.32	15.43	15.32						
5	16QAM	1	24	15.57	15.59	15.39						
5	16QAM	12	0	15.41	15.38	15.50	17.5	0				
5	16QAM	12	7	15.46	15.54	15.32						
5	16QAM	12	13	15.37	15.53	15.44						
5	16QAM	25	0	15.48	15.47	15.22						
5	16QAM	1	0	15.56	15.49	15.30						
5	16QAM	1	12	15.55	15.49	15.27	17.5	0				
5	16QAM	1	24	15.61	15.47	15.32						
5	16QAM	12	0	15.38	15.49	15.34						
5	16QAM	12	7	15.49	15.46	15.40						
5	16QAM	12	13	15.49	15.49	15.32						
5	16QAM	25	0	15.39	15.37	15.41	17.5	0				
5	256QAM	1	0	15.92	15.74	15.80						
5	256QAM	1	12	15.86	15.83	15.84						

Band 41_Ant 3_Other PA												
RF [MHz]	Modulation	RB [MHz]	RB [MHz]	Power Low [dBm]	Power High [dBm]	Power Avg [dBm]	Power Peak [dBm]	Power High [dBm]	Power High [dBm]	Power High [dBm]	Power High [dBm]	Power High [dBm]
		Channel	Power Low [dBm]	Power High [dBm]	Power Avg [dBm]	Power Peak [dBm]	Power High [dBm]	Power High [dBm]	Power High [dBm]	Power High [dBm]	Power High [dBm]	Power High [dBm]
		Frequency [MHz]	2056	2059.5	2063	2065.5	2068	2071	2074	2077	2080	2083
20	QPSK	1	5	16.20	16.43	16.43	16.43	16.43	16.43	16.43	16.43	16.43
20	QPSK	1	5	16.20	16.43	16.43	16.43	16.43	16.43	16.43	16.43	16.43
20	QPSK	1	5	16.45	16.59	16.19	16.17	16.18	16.18	16.18	16.18	16.18
20	QPSK	56	24	16.20	16.43	16.43	16.43	16.43	16.43	16.43	16.43	16.43
20	QPSK	56	24	16.45	16.59	16.19	16.17	16.18	16.18	16.18	16.18	16.18
20	QPSK	56	24	16.20	16.43	16.43	16.43	16.43	16.43	16.43	16.43	16.43
20	QPSK	56	24	16.45	16.59	16.19	16.17	16.18	16.18	16.18	16.18	16.18
20	QPSK	56	24	16.20	16.43	16.43	16.43	16.43	16.43	16.43	16.43	16.43
20	QPSK	56	24	16.45	16.59	16.19	16.17	16.18	16.18	16.18	16.18	16.18
20	QPSK	56	24	16.20	16.43	16.43	16.43	16.43	16.43	16.43	16.43	16.43
20	QPSK	56	24	16.45	16.59	16.19	16.17	16.18	16.18	16.18	16.18	16.18
20	QPSK	56	24	16.20	16.43	16.43	16.43	16.43	16.43	16.43	16.43	16.43
20	QPSK	56	24	16.45	16.59	16.19	16.17	16.18	16.18	16.18	16.18	16.18
20	QPSK	56	24	16.20	16.43	16.43	16.43	16.43	16.43	16.43	16.43	16.43
20	QPSK	56	24	16.45	16.59	16.19	16.17	16.18	16.18	16.18	16.18	16.18
20	QPSK	56	24	16.20	16.43	16.43	16.43	16.43	16.43	16.43	16.43	16.43
20	QPSK	56	24	16.45	16.59	16.19	16.17	16.18	16.18	16.18	16.18	16.18
20	QPSK	56	24	16.20	16.43	16.43	16.43	16.43	16.43	16.43	16.43	16.43
20	QPSK	56	24	16.45	16.59	16.19	16.17	16.18	16.18	16.18	16.18	16.18
20	QPSK	56	24	16.20	16.43	16.43	16.43	16.43	16.43	16.43	16.43	16.43
20	QPSK	56	24	16.45	16.59	16.19	16.17	16.18	16.18	16.18	16.18	16.18
20	QPSK	56	24	16.20	16.43	16.43	16.43	16.43	16.43	16.43	16.43	16.43
20	QPSK	56	24	16.45	16.59	16.19	16.17	16.18	16.18	16.18	16.18	16.18
20	QPSK	56	24	16.20	16.43	16.43	16.43	16.43	16.43	16.43	16.43	16.43
20	QPSK	56	24	16.45	16.59	16.19	16.17	16.18	16.18	16.18	16.18	16.18
20	QPSK	56	24	16.20	16.43	16.43	16.43	16.43	16.43	16.43	16.43	16.43
20	QPSK	56	24	16.45	16.59	16.19	16.17	16.18	16.18	16.18	16.18	16.18
20	QPSK	56	24	16.20	16.43	16.43	16.43	16.43	16.43	16.43	16.43	16.43
20	QPSK	56	24	16.45	16.59	16.19	16.17	16.18	16.18	16.18	16.18	16.18
20	QPSK	56	24	16.20	16.43	16.43	16.43	16.43	16.43	16.43	16.43	16.43
20	QPSK	56	24	16.45	16.59	16.19	16.17	16.18	16.18	16.18	16.18	16.18
20	QPSK	56	24	16.20	16.43	16.43	16.43	16.43	16.43	16.43	16.43	16.43
20	QPSK	56	24	16.45	16.59	16.19	16.17	16.18	16.18	16.18	16.18	16.18
20	QPSK	56	24	16.20	16.43	16.43	16.43	16.43	16.43	16.43	16.43	16.43
20	QPSK	56	24	16.45	16.59	16.19	16.17	16.18	16.18	16.18	16.18	16.18
20	QPSK	56	24	16.20	16.43	16.43	16.43	16.43	16.43	16.43	16.43	16.43
20	QPSK	56	24	16.45	16.59	16.19	16.17	16.18	16.18	16.18	16.18	16.18
20	QPSK	56	24	16.20	16.43	16.43	16.43	16.43	16.43	16.43	16.43	16.43
20	QPSK	56	24	16.45	16.59	16.19	16.17	16.18	16.18	16.18	16.18	16.18
20	QPSK	56	24	16.20	16.43	16.43	16.43	16.43	16.43	16.43	16.43	16.43
20	QPSK	56	24	16.45	16.59	16.19	16.17	16.18	16.18	16.18	16.18	16.18
20	QPSK	56	24	16.20	16.43	16.43	16.43	16.43	16.43	16.43	16.43	16.43
20	QPSK	56	24	16.45	16.59	16.19	16.17	16.18	16.18	16.18	16.18	16.18
20	QPSK	56	24	16.20	16.43	16.43	16.43	16.43	16.43	16.43	16.43	16.43
20	QPSK	56	24	16.45	16.59	16.19	16.17	16.18	16.18	16.18	16.18	16.18
20	QPSK	56	24	16.20	16.43	16.43	16.43	16.43	16.43	16.43	16.43	16.43
20	QPSK	56	24	16.45	16.59	16.19	16.17	16.18	16.18	16.18	16.18	16.18
20	QPSK	56	24	16.20	16.43	16.43	16.43	16.43	16.43	16.43	16.43	16.43
20	QPSK	56	24	16.45	16.59	16.19	16.17	16.18	16.18	16.18	16.18	16.18
20	QPSK	56	24	16.20	16.43	16.43	16.43	16.43	16.43	16.43	16.43	16.43
20	QPSK	56	24	16.45	16.59	16.19	16.17	16.18	16.18	16.18	16.18	16.18
20	QPSK	56	24	16.20	16.43	16.43	16.43	16.43	16.43	16.43	16.43	16.43
20	QPSK	56	24	16.45	16.59	16.19	16.17	16.18	16.18	16.18	16.18	16.18
20	QPSK	56	24	16.20	16.43	16.43	16.43	16.43	16.43	16.43	16.43	16.43
20	QPSK	56	24	16.45	16.59	16.19	16.17	16.18	16.18	16.18	16.18	16.18
20	QPSK	56	24	16.20	16.43	16.43	16.43	16.43	16.43	16.43	16.43	16.43
20	QPSK	56	24	16.45	16.59	16.19	16.17	16.18	16.18	16.18	16.18	16.18
20	QPSK	56	24	16.20	16.43	16.43	16.43	16.43	16.43	16.43	16.43	16.43
20	QPSK	56	24	16.45	16.59	16.19	16.17	16.18	16.18	16.18	16.18	16.18
20	QPSK	56	24	16.20	16.43	16.43	16.43	16.43	16.43	16.43	16.43	16.43
20	QPSK	56	24	16.45	16.59	16.19	16.17	16.18	16.18	16.18	16.18	16.18
20	QPSK	56	24	16.20	16.43	16.43	16.43	16.43	16.43	16.43	16.43	16.43
20	QPSK	56	24	16.45	16.59	16.19	16.17	16.18	16.18	16.18	16.18	16.18
20	QPSK	56	24	16.20	16.43	16.43	16.43	16.43	16.43	16.43	16.43	16.43
20	QPSK	56	24	16.45	16.59	16.19	16.17	16.18	16.18	16.18	16.18	16.18
20	QPSK	56	24	16.20	16.43	16.43	16.43	16.43	16.43	16.43	16.43	16.43
20	QPSK	56	24	16.45	16.59	16.19	16.17	16.18	16.18	16.18	16.18	16.18
20	QPSK	56	24	16.20	16.43	16.43	16.43	16.43	16.43	16.43	16.43	16.43
20	QPSK	56	24	16.45	16.59	16.19	16.17	16.18	16.18	16.18	16.18	16.18
20	QPSK	56	24	16.20	16.43	16.43	16.43	16.43	16.43	16.43	16.43	16.43
20	QPSK	56	24	16.45	16.59	16.19	16.17	16.18	16.18	16.18	16.18	16.18
20	QPSK	56	24	16.20	16.43	16.43	16.43	16.43	16.43	16.43	16.43	16.43
20	QPSK	56	24	16.45	16.59	16.19	16.17	16.18	16.18	16.18	16.18	16.18
20	QPSK	56	24	16.20	16.43	16.43	16.43	16.43	16.43	16.43	16.43	16.43
20	QPSK	56	24	16.45	16.59	16.19	16.17	16.18	16.18	16.18	16.18	16.18
20	QPSK	56	24	16.20	16.43	16.43	16.43	16.43	16.43	16.43	16.43	16.43
20	QPSK	56	24	16.45	16.59	16.19	16.17	16.18	16.18	16.18	16.18	16.18
20	QPSK	56	24	16.20	16.43	16.43	16.43	16.43	16.43	16.43	16.43	16.43
20	QPSK	56	24	16.45	16.59	16.19	16.17	16.18	16.18	16.18	16.18	16.18
20	QPSK	56	24	16.20	16.43	16.43	16.43	16.43	16.43	16.43	16.43	16.43
20	QPSK	56	24	16.45	16.59	16.19	16.17	16.18	16.18	16.18	16.18	16.18
20	QPSK	56	24	16.20	16.43	16.43	16.43	16.43	16.43	16.43	16.43	16.43
20	QPSK	56	24	16.45	16.59	16.19	16.17	16.18	16.18	16.18	16.18	16.18
20	QPSK	56	24	16.20	16.43	16.43	16.43	16.43	16.43	16.43	16.43	16.43
20	QPSK	56	24	16.45	16.59	16.19	16.17	16.18	16.18	16.18	16.18	16.18
20	QPSK	56	24	16.20	16.43	16.43	16.43	16.43	16.43	16.43	16.43	16.43
20	QPSK	56	24	16.45	16.59	16.19	16.17	16.18	16.18	16.18	16.18	16.18
20	QPSK	56	24	16.20	16.43	16.43	16.43	16.43	16.43	16.43	16.43	16.43
20	QPSK	56	24	16.45	16.59	16.19	16.17	16.18	16.18	16.18	16.18	16.18
20	QPSK	56	24	16.20	16.43	16.43	16.43	16.43	16.43	16.43	16.43	16.43
20	QPSK	56	24	16.45	16.59	16.19	16.17	16.18	16.18	16.18	16.18	16.18
20	QPSK	56	24	16.20	16.43	16.43	16.43	16.43	16.43	16.43	16.43	16.43
20	QPSK	56	24	16.45	16.59	16.19	16.17	16.18	16.18	16.18	16.18	16.18
20	QPSK	56	24	16.20	16.43	16.43	16.43	16.43	16.43	16.43	16.43	16.43
20	QPSK	56	24	16.45	16.59	16.19	16.17	16.18	16.18	16.18	16.18	16.18
20	QPSK	56	24	16.20	16.43	16.43	16.43	16.43	16.43	16.43	16.43	16.43
20	QPSK	56	24	16.45	16.59	16.19	16.17	16.18	16.18	16.18	16.18	16.18
20	QPSK	56	24	16.20	16.43	16.43	16.43	16.43				

Full & Default Power

n41_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504204	518598	535998	25.7	0.0	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PV2 BPSK	1	1	24.45	24.61	24.50			
50	PV2 BPSK	1	67	24.40	24.53	24.39			
50	PV2 BPSK	1	131	24.37	24.42	24.37	25.2	0.5	
50	PV2 BPSK	64	0	23.99	24.10	23.95			
50	PV2 BPSK	64	35	24.52	24.64	24.55			
50	PV2 BPSK	64	69	23.94	24.08	23.95			
50	PV2 BPSK	128	0	23.95	24.10	24.02	25.7	0.0	
50	QPSK	1	1	24.58	24.65	24.54			
50	QPSK	1	67	24.42	24.54	24.45			
50	QPSK	1	131	24.43	24.48	24.35			
50	QPSK	64	0	23.59	23.64	23.48	25.7	0.0	
50	QPSK	64	35	23.45	23.59	23.45			
50	QPSK	64	69	23.50	23.59	23.48			
50	QPSK	128	0	23.45	23.57	23.47			
50	16QAM	1	1	23.13	23.24	23.16	24.7	1.0	
50	64QAM	1	1	21.70	21.79	21.72			
50	256QAM	1	1	20.30	20.37	20.32			
Channel				502200	518598	534998	21.2	4.5	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	24.53	24.58	24.39			
Channel				501204	518598	535998	25.7	0.0	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	24.50	24.54	24.46		0.0	

n41_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504204	518598	535998	25.0	0.0	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PV2 BPSK	1	1	23.27	23.43	23.36			
50	PV2 BPSK	1	67	23.34	23.44	23.34			
50	PV2 BPSK	1	131	23.16	23.30	23.15	24.5	0.5	
50	PV2 BPSK	64	0	22.90	22.95	22.85			
50	PV2 BPSK	64	35	23.33	23.47	23.40			
50	PV2 BPSK	64	69	22.85	22.91	22.79			
50	PV2 BPSK	128	0	22.93	22.99	22.83	24.5	0.5	
50	QPSK	1	1	23.50	23.55	23.50			
50	QPSK	1	67	23.40	23.45	23.37			
50	QPSK	1	131	23.27	23.35	23.29			
50	QPSK	64	0	22.41	22.55	22.44	24.0	1.0	
50	QPSK	64	35	23.45	23.54	23.40			
50	QPSK	64	69	22.31	22.46	22.32			
50	QPSK	128	0	22.30	22.35	22.29			
50	16QAM	1	1	22.06	22.15	22.02	24.0	1.0	
50	64QAM	1	1	20.66	20.81	20.71			
50	256QAM	1	1	19.12	19.23	19.16			
Channel				502200	518598	534998	20.5	4.5	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	23.44	23.42	23.45			
Channel				501204	518598	535998	25.0	0.0	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	23.38	23.47	23.37		0.0	

n41_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				501204	518598	535998	25.7	0.0	
Frequency (MHz)				2521.02	2592.99	2694.99			
50	PI/2 BPSK	1	1	24.34	24.49	24.41	25.7	0.0	
50	PI/2 BPSK	1	67	24.47	24.59	24.47			
50	PI/2 BPSK	1	131	24.45	24.52	24.40			
50	PI/2 BPSK	64	0	23.98	24.11	24.04	25.2	0.5	
50	PI/2 BPSK	64	35	24.56	24.67	24.51	25.7	9.0	
50	PI/2 BPSK	64	69	24.04	24.11	24.00	25.2	0.5	
50	PI/2 BPSK	128	0	24.09	24.19	24.05			
50	QPSK	1	1	24.56	24.74	24.58	25.7	0.0	
50	QPSK	1	67	24.51	24.56	24.42			
50	QPSK	1	131	24.36	24.47	24.41			
50	QPSK	64	0	23.38	23.51	23.36	24.7	1.0	
50	QPSK	64	35	24.47	24.56	24.43	25.7	0.0	
50	QPSK	64	69	23.39	23.55	23.41	24.7	1.0	
50	QPSK	128	0	23.45	23.55	23.49			
50	16QAM	1	1	23.10	23.17	23.11	24.7	1.0	
50	64QAM	1	1	21.71	21.76	21.60	23.2	2.5	
50	256QAM	1	1	20.17	20.29	20.23	21.2	4.5	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)	
30	QPSK	1	1	24.43	24.63	24.52	25.7	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)	
20	QPSK	1	1	24.52	24.61	24.51	25.7	0.0	

n41_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				501204	518598	532998	25.0	0.0	
Frequency (MHz)				2521.02	2592.99	2694.99			
50	PI/2 BPSK	1	1	23.64	23.79	23.71	25.0	0.0	
50	PI/2 BPSK	1	67	23.57	23.73	23.65			
50	PI/2 BPSK	1	131	23.44	23.55	23.49			
50	PI/2 BPSK	64	0	23.20	23.30	23.23	24.5	0.5	
50	PI/2 BPSK	64	35	23.73	23.79	23.64	25.0	9.0	
50	PI/2 BPSK	64	69	23.11	23.18	23.07	24.5	0.5	
50	PI/2 BPSK	128	0	23.31	23.36	23.25			
50	QPSK	1	1	23.76	23.83	23.73	25.0	0.0	
50	QPSK	1	67	23.69	23.74	23.65			
50	QPSK	1	131	23.38	23.49	23.42			
50	QPSK	64	0	22.61	22.74	22.67	24.0	1.0	
50	QPSK	64	35	23.59	23.71	23.63	25.0	0.0	
50	QPSK	64	69	22.47	22.63	22.48	24.0	1.0	
50	QPSK	128	0	22.59	22.71	22.66			
50	16QAM	1	1	22.32	22.45	22.37	24.0	1.0	
50	64QAM	1	1	20.90	21.02	20.92	22.5	2.5	
50	256QAM	1	1	19.56	19.62	19.57	20.5	4.5	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)	
30	QPSK	1	1	23.64	23.68	23.60	25.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)	
20	QPSK	1	1	23.71	23.75	23.65	25.0	0.0	

Part27Q_n77_Ant 6								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332			25.7	0.0
Frequency (MHz)				3499.98				
100	PI/2 BPSK	1	1		24.67		25.7	0.0
100	PI/2 BPSK	1	137		24.70			
100	PI/2 BPSK	1	271		24.63			
100	PI/2 BPSK	135	0		24.29		25.2	0.5
100	PI/2 BPSK	135	69		24.70		25.7	0.0
100	PI/2 BPSK	135	138		24.11		25.2	0.5
100	PI/2 BPSK	270	0		24.13			
100	QPSK	1	1		24.77		25.7	0.0
100	QPSK	1	137		24.74			
100	QPSK	1	271		24.57			
100	QPSK	135	0		23.73		24.7	1.0
100	QPSK	135	69		24.67		25.7	0.0
100	QPSK	135	138		23.60		24.7	1.0
100	QPSK	270	0		23.55			
100	16QAM	1	1		23.56		23.2	1.0
100	64QAM	1	1		21.74		23.2	2.5
100	256QAM	1	1		20.38		21.2	4.5
Channel				633000	633332	633666	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)
90	QPSK	1	1	24.64	24.63	24.65	25.7	0.0
Channel				632668	633332	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3499.98	3510	(dBm)	(dB)
80	QPSK	1	1	24.63	24.62	24.63	25.7	0.0
Channel				632000	633332	634666	Tune-up limit	MPR
Frequency (MHz)				3480	3499.98	3519.99	(dBm)	(dB)
60	QPSK	1	1	24.67	24.66	24.68	25.7	0.0
Channel				631668	633332	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3499.98	3525	(dBm)	(dB)
50	QPSK	1	1	24.66	24.66	24.70	25.7	0.0
Channel				631334	633332	635332	Tune-up limit	MPR
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)
40	QPSK	1	1	24.68	24.72	24.69	25.7	0.0
Channel				631000	633332	635666	Tune-up limit	MPR
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	(dB)
30	QPSK	1	1	24.65	24.65	24.62	25.7	0.0
Channel				630666	633332	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)
20	QPSK	1	1	24.63	24.71	24.64	25.7	0.0

Part27O_n77_Ant 6								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	662000	25.7	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	24.69	24.62	24.60	25.7	0.0
100	PI/2 BPSK	1	137	24.63	24.51	24.55		
100	PI/2 BPSK	1	271	24.58	24.46	24.47		
100	PI/2 BPSK	135	0	24.11	23.95	23.95	25.2	0.5
100	PI/2 BPSK	135	69	24.65	24.57	24.60	25.7	0.0
100	PI/2 BPSK	135	138	24.03	23.94	23.94	25.2	0.5
100	PI/2 BPSK	270	0	24.04	23.91	23.93		
100	QPSK	1	1	24.66	24.76	24.69	25.7	0.0
100	QPSK	1	137	24.57	24.71	24.61		
100	QPSK	1	271	24.53	24.68	24.62		
100	QPSK	135	0	23.85	23.65	23.64	24.7	1.0
100	QPSK	135	69	24.58	24.70	24.62	25.7	0.0
100	QPSK	135	138	23.52	23.67	23.64	24.7	1.0
100	QPSK	270	0	23.44	23.51	23.37		
100	16QAM	1	1	23.45	23.29	23.36	23.2	1.0
100	64QAM	1	1	21.75	21.70	21.70	23.2	2.5
100	256QAM	1	1	20.38	20.30	20.24	21.2	4.5
Channel				649666	650000	662332	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3934.98	(dBm)	(dB)
90	QPSK	1	1	24.61	24.58	24.64	25.7	0.0
Channel				649334	650000	662666	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3939.99	(dBm)	(dB)
80	QPSK	1	1	24.66	24.52	24.59	25.7	0.0
Channel				648666	650000	663332	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3949.98	(dBm)	(dB)
60	QPSK	1	1	24.66	24.60	24.53	25.7	0.0
Channel				648334	650000	663666	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3954.99	(dBm)	(dB)
50	QPSK	1	1	24.64	24.50	24.57	25.7	0.0
Channel				648000	650000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	24.68	24.57	24.55	25.7	0.0
Channel				647668	650000	664332	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3964.98	(dBm)	(dB)
30	QPSK	1	1	24.51	24.52	24.56	25.7	0.0
Channel				647334	650000	664666	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3969.99	(dBm)	(dB)
20	QPSK	1	1	24.61	24.51	24.54	25.7	0.0

Part27Q_n77_Ant 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332			23.5	0.0	
Frequency (MHz)				3499.98					
100	PI/2 BPSK	1	1		21.88		23.5	0.0	
100	PI/2 BPSK	1	137		21.79				
100	PI/2 BPSK	1	271		21.72				
100	PI/2 BPSK	135	0		21.36		23.0	0.5	
100	PI/2 BPSK	135	69		21.91		23.5	9.0	
100	PI/2 BPSK	135	138		21.25		23.0	0.5	
100	PI/2 BPSK	270	0		21.13				
100	QPSK	1	1		22.17		23.5	0.0	
100	QPSK	1	137		22.09				
100	QPSK	1	271		21.95				
100	QPSK	135	0		21.17		22.5	1.0	
100	QPSK	135	69		22.05		23.5	0.0	
100	QPSK	135	138		21.00		22.5	1.0	
100	QPSK	270	0		20.99				
100	16QAM	1	1		20.61		22.5	1.0	
100	64QAM	1	1		19.08		21.0	2.5	
100	256QAM	1	1		17.54		19.0	4.5	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.99			
90	QPSK	1	1		21.92	21.64	21.60	23.5	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3499.98	3510			
80	QPSK	1	1		21.89	21.61	21.52	23.5	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3499.98	3519.99			
60	QPSK	1	1		21.98	21.62	21.52	23.5	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525			
50	QPSK	1	1		21.91	21.65	21.51	23.5	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1		21.91	21.61	21.51	23.5	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3499.98	3534.99			
30	QPSK	1	1		21.89	21.65	21.54	23.5	0.0
Channel				630666	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1		21.96	21.62	21.60	23.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000	23.5	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1		21.81	21.96	21.87	23.5	0.0
100	PI/2 BPSK	1	137		21.89	21.95	21.82		
100	PI/2 BPSK	1	271		21.77	21.83	21.67		
100	PI/2 BPSK	135	0		21.29	21.45	21.29	23.0	0.5
100	PI/2 BPSK	135	69		21.96	22.02	21.93	23.5	9.0
100	PI/2 BPSK	135	138		21.31	21.38	21.31	23.0	0.5
100	PI/2 BPSK	270	0		21.20	21.28	21.19		
100	QPSK	1	1		21.74	22.05	21.66	23.5	0.0
100	QPSK	1	137		21.63	21.90	21.56		
100	QPSK	1	271		21.56	21.77	21.65		
100	QPSK	135	0		20.76	20.91	20.85	22.5	1.0
100	QPSK	135	69		21.68	21.92	21.65	23.5	0.0
100	QPSK	135	138		20.59	20.85	20.65	22.5	1.0
100	QPSK	270	0		20.54	20.72	20.42		
100	16QAM	1	1		20.62	20.73	20.64	22.5	1.0
100	64QAM	1	1		19.06	19.06	19.01	21.0	2.5
100	256QAM	1	1		17.56	17.66	17.50	19.0	4.5
Channel				648668	650000	652332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3934.98			
90	QPSK	1	1		21.96	21.64	21.57	23.5	0.0
Channel				648334	650000	652666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3939.99			
80	QPSK	1	1		21.93	21.61	21.60	23.5	0.0
Channel				648000	650000	653332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3949.98			
60	QPSK	1	1		21.94	21.68	21.51	23.5	0.0
Channel				648334	650000	653666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3954.99			
50	QPSK	1	1		21.89	21.58	21.51	23.5	0.0
Channel				648000	650000	654000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1		21.99	21.66	21.56	23.5	0.0
Channel				647668	650000	654332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3964.98			
30	QPSK	1	1		21.94	21.66	21.52	23.5	0.0
Channel				647334	650000	654666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3969.99			
20	QPSK	1	1		21.97	21.62	21.54	23.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332			24.5	0.0	
Frequency (MHz)				3499.98					
100	PI/2 BPSK	1	1		23.39		24.5	0.0	
100	PI/2 BPSK	1	137		23.37				
100	PI/2 BPSK	1	271		23.30				
100	PI/2 BPSK	135	0		22.91		24.0	0.5	
100	PI/2 BPSK	135	69		23.42		24.5	0.0	
100	PI/2 BPSK	135	138		22.78		24.0	0.5	
100	PI/2 BPSK	270	0		22.84				
100	QPSK	1	1		23.46		24.5	0.0	
100	QPSK	1	137		23.33				
100	QPSK	1	271		23.30				
100	QPSK	135	0		22.40		23.5	1.0	
100	QPSK	135	69		23.38		24.5	0.0	
100	QPSK	135	138		22.39		23.5	1.0	
100	QPSK	270	0		22.23				
100	16QAM	1	1		22.16		23.5	1.0	
100	64QAM	1	1		20.40		22.0	2.5	
100	256QAM	1	1		19.05		20.0	4.5	
Channel				633000	633332	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.99			
90	QPSK	1	1		23.17	23.15	22.96	24.5	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3499.98	3510			
80	QPSK	1	1		23.19	23.13	22.95	24.5	0.0
Channel				632000	633332	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3499.98	3519.99			
60	QPSK	1	1		23.18	23.12	23.02	24.5	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525			
50	QPSK	1	1		23.16	23.16	22.96	24.5	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1		23.17	23.08	22.92	24.5	0.0
Channel				631000	633332	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3499.98	3534.99			
30	QPSK	1	1		23.17	23.06	23.02	24.5	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1		23.18	23.11	22.98	24.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000	24.5	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1		23.34	23.23	23.23	24.5	0.0
100	PI/2 BPSK	1	137		23.28	23.27	23.28		
100	PI/2 BPSK	1	271		23.21	23.17	23.25		
100	PI/2 BPSK	135	0		22.76	22.79	22.76	24.0	0.5
100	PI/2 BPSK	135	69		23.36	23.38	23.33	24.5	0.0
100	PI/2 BPSK	135	138		22.73	22.82	22.82	24.0	0.5
100	PI/2 BPSK	270	0		22.72	22.74	22.77		
100	QPSK	1	1		23.40	23.21	23.17	24.5	0.0
100	QPSK	1	137		23.17	23.13	23.08		
100	QPSK	1	271		23.22	23.03	22.83		
100	QPSK	135	0		22.34	22.16	22.05	23.5	1.0
100	QPSK	135	69		23.25	23.20	23.09	24.5	0.0
100	QPSK	135	138		22.23	22.11	22.06	23.5	1.0
100	QPSK	270	0		22.12	22.09	22.02		
100	16QAM	1	1		22.00	22.05	22.05	23.5	1.0
100	64QAM	1	1		20.26	20.29	20.32	22.0	2.5
100	256QAM	1	1		18.97	18.99	18.94	20.0	4.5
Channel				648668	650000	652332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3934.98			
90	QPSK	1	1		23.15	23.12	22.91	24.5	0.0
Channel				648334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3939.99			
80	QPSK	1	1		23.15	23.10	23.01	24.5	0.0
Channel				648000	650000	653332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3949.98			
60	QPSK	1	1		23.20	23.07	22.97	24.5	0.0
Channel				648334	650000	653668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3954.99			
50	QPSK	1	1		23.20	23.11	23.02	24.5	0.0
Channel				648000	650000	654000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1		23.20	23.16	23.02	24.5	0.0
Channel				647668	650000	654332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3964.98			
30	QPSK	1	1		23.20	23.16	22.98	24.5	0.0
Channel				647334	650000	654668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3969.99			
20	QPSK	1	1		23.24	23.14	22.98	24.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332			22.5	0.0
Frequency (MHz)				3499.98				
100	PI/2 BPSK	1	1		21.10		22.5	0.0
100	PI/2 BPSK	1	137		21.03			
100	PI/2 BPSK	1	271		20.86			
100	PI/2 BPSK	135	0		20.54		22.0	0.5
100	PI/2 BPSK	135	69		21.16		22.5	0.0
100	PI/2 BPSK	135	138		20.57		22.0	0.5
100	PI/2 BPSK	270	0		20.45			
100	QPSK	1	1		21.50		22.5	0.0
100	QPSK	1	137		21.44			
100	QPSK	1	271		21.26			
100	QPSK	135	0		20.52		21.5	1.0
100	QPSK	135	69		21.41		22.5	0.0
100	QPSK	135	138		20.32		21.5	1.0
100	QPSK	270	0		20.33			
100	16QAM	1	1		19.86		21.5	1.0
100	64QAM	1	1		18.16		20.0	2.5
100	256QAM	1	1		16.70		18.0	4.5
Channel				633000	633332	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	QPSK	1	1	21.11	20.95	20.97	22.5	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510		
80	QPSK	1	1	21.11	20.93	21.06	22.5	0.0
Channel				632000	633332	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3510.99		
60	QPSK	1	1	21.18	20.90	20.98	22.5	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	QPSK	1	1	21.16	20.89	20.97	22.5	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	QPSK	1	1	21.12	20.88	21.00	22.5	0.0
Channel				631000	633332	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	QPSK	1	1	21.10	20.85	20.96	22.5	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	QPSK	1	1	21.20	20.96	20.98	22.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000	22.5	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	21.06	21.16	21.04	22.5	0.0
100	PI/2 BPSK	1	137	21.06	21.19	21.07		
100	PI/2 BPSK	1	271	20.97	21.02	20.96		
100	PI/2 BPSK	135	0	20.57	20.62	20.53	22.0	0.5
100	PI/2 BPSK	135	69	21.15	21.23	21.17	22.5	0.0
100	PI/2 BPSK	135	138	20.54	20.62	20.55	22.0	0.5
100	PI/2 BPSK	270	0	20.47	20.58	20.53		
100	QPSK	1	1	21.12	21.26	21.11	22.5	0.0
100	QPSK	1	137	21.01	21.17	21.10		
100	QPSK	1	271	20.91	21.02	20.90		
100	QPSK	135	0	20.11	20.19	20.12	21.5	1.0
100	QPSK	135	69	21.10	21.18	21.06	22.5	0.0
100	QPSK	135	138	20.07	20.13	20.00	21.5	1.0
100	QPSK	270	0	19.91	20.02	19.95		
100	16QAM	1	1	19.85	19.96	19.84	21.5	1.0
100	64QAM	1	1	18.26	18.31	18.20	20.0	2.5
100	256QAM	1	1	16.82	16.88	16.73	18.0	4.5
Channel				648668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	QPSK	1	1	21.14	20.92	21.00	22.5	0.0
Channel				649334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	QPSK	1	1	21.21	20.90	20.95	22.5	0.0
Channel				648668	650000	653332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	QPSK	1	1	21.17	20.93	20.99	22.5	0.0
Channel				648334	650000	653668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	QPSK	1	1	21.19	20.94	21.01	22.5	0.0
Channel				648000	650000	654000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	21.11	20.94	20.96	22.5	0.0
Channel				647668	650000	654332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3964.98		
30	QPSK	1	1	21.20	20.87	21.09	22.5	0.0
Channel				647334	650000	654668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	QPSK	1	1	21.19	20.96	20.96	22.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332					
Frequency (MHz)				3499.98					
100	PI/2 BPSK	1	1		24.73				
100	PI/2 BPSK	1	137		24.70		25.7	0.0	
100	PI/2 BPSK	1	271		24.61				
100	PI/2 BPSK	135	0		24.25		25.2	0.5	
100	PI/2 BPSK	135	69		24.74		25.7	0.0	
100	PI/2 BPSK	135	138		24.13				
100	PI/2 BPSK	270	0		24.14		25.2	0.5	
100	QPSK	1	1		24.75				
100	QPSK	1	137		24.71		25.7	0.0	
100	QPSK	1	271		24.59				
100	QPSK	135	0		23.75		24.7	1.0	
100	QPSK	135	69		24.74		25.7	0.0	
100	QPSK	135	138		23.57				
100	QPSK	270	0		23.58		24.7	1.0	
100	16QAM	1	1		23.54		24.7	1.0	
100	64QAM	1	1		21.83		23.2	2.5	
100	256QAM	1	1		20.41		21.2	4.5	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.99			
90	QPSK	1	1	24.61	24.59	24.59	25.7	0.0	
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3499.98	3510			
80	QPSK	1	1	24.62	24.67	24.63	25.7	0.0	
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3499.98	3519.99			
60	QPSK	1	1	24.65	24.70	24.59	25.7	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525			
50	QPSK	1	1	24.70	24.66	24.66	25.7	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1	24.68	24.66	24.60	25.7	0.0	
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3499.98	3534.99			
30	QPSK	1	1	24.66	24.61	24.57	25.7	0.0	
Channel				630666	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1	24.61	24.63	24.68	25.7	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				650000					
Frequency (MHz)				3750					
100	PI/2 BPSK	1	1		24.67				
100	PI/2 BPSK	1	137		24.70		25.7	0.0	
100	PI/2 BPSK	1	271		24.70				
100	PI/2 BPSK	135	0		24.15		25.2	0.5	
100	PI/2 BPSK	135	69		24.73		25.7	0.0	
100	PI/2 BPSK	135	138		24.19				
100	PI/2 BPSK	270	0		24.03		25.2	0.5	
100	QPSK	1	1		24.75				
100	QPSK	1	137		24.62		25.7	0.0	
100	QPSK	1	271		24.54				
100	QPSK	135	0		23.58		24.7	1.0	
100	QPSK	135	69		24.62		25.7	0.0	
100	QPSK	135	138		23.64				
100	QPSK	270	0		23.49		24.7	1.0	
100	16QAM	1	1		23.46		24.7	1.0	
100	64QAM	1	1		21.78		23.2	2.5	
100	256QAM	1	1		20.41		21.2	4.5	
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98			
90	QPSK	1	1	24.62	24.68	24.66	25.7	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99			
80	QPSK	1	1	24.68	24.65	24.68	25.7	0.0	
Channel				648998	650000	651332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98			
60	QPSK	1	1	24.61	24.68	24.67	25.7	0.0	
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99			
50	QPSK	1	1	24.59	24.62	24.70	25.7	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	24.69	24.66	24.70	25.7	0.0	
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3784.98			
30	QPSK	1	1	24.69	24.63	24.68	25.7	0.0	
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99			
20	QPSK	1	1	24.70	24.68	24.63	25.7	0.0	

Part27Q_n78_Ant 8								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332			24.5	0.0
Frequency (MHz)				3499.98				
100	PI/2 BPSK	1	1	22.59				
100	PI/2 BPSK	1	137	22.70				
100	PI/2 BPSK	1	271	22.70				
100	PI/2 BPSK	135	0	22.15			24.0	0.5
100	PI/2 BPSK	135	69	22.97			24.5	0.0
100	PI/2 BPSK	135	138	22.38				
100	PI/2 BPSK	270	0	22.12			24.0	0.5
100	QPSK	1	1	22.98				
100	QPSK	1	137	22.85				
100	QPSK	1	271	22.71			24.5	0.0
100	QPSK	135	0	21.69			23.5	1.0
100	QPSK	135	69	22.95			24.5	0.0
100	QPSK	135	138	21.78				
100	QPSK	270	0	21.74			23.5	1.0
100	16QAM	1	1	21.57			23.5	1.0
100	64QAM	1	1	20.01			22.0	2.5
100	256QAM	1	1	18.39			20.0	4.5
Channel				633000	633332	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	QPSK	1	1	22.74	22.70	22.76	24.5	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510		
80	QPSK	1	1	22.70	22.73	22.72	24.5	0.0
Channel				632000	633332	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3519.99		
60	QPSK	1	1	22.77	22.73	22.80	24.5	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	QPSK	1	1	22.79	22.73	22.77	24.5	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	QPSK	1	1	22.73	22.81	22.71	24.5	0.0
Channel				631000	633332	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	QPSK	1	1	22.71	22.72	22.72	24.5	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	QPSK	1	1	22.72	22.75	22.70	24.5	0.0

Part27O_n78_Ant 8								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000			24.5	0.0
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1	22.65				
100	PI/2 BPSK	1	137	22.81				
100	PI/2 BPSK	1	271	22.84				
100	PI/2 BPSK	135	0	22.21			24.0	0.5
100	PI/2 BPSK	135	69	23.03			24.5	0.0
100	PI/2 BPSK	135	138	22.45				
100	PI/2 BPSK	270	0	22.25			24.0	0.5
100	QPSK	1	1	23.04				
100	QPSK	1	137	22.81				
100	QPSK	1	271	22.79			24.5	0.0
100	QPSK	135	0	21.79			23.5	1.0
100	QPSK	135	69	22.98			24.5	0.0
100	QPSK	135	138	21.89				
100	QPSK	270	0	21.74			23.5	1.0
100	16QAM	1	1	21.52			23.5	1.0
100	64QAM	1	1	20.03			22.0	2.5
100	256QAM	1	1	18.45			20.0	4.5
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	QPSK	1	1	22.81	22.78	22.74	24.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	QPSK	1	1	22.80	22.76	22.77	24.5	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	QPSK	1	1	22.82	22.79	22.75	24.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	QPSK	1	1	22.74	22.81	22.75	24.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	22.75	22.74	22.81	24.5	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3784.98		
30	QPSK	1	1	22.74	22.77	22.80	24.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	QPSK	1	1	22.76	22.77	22.83	24.5	0.0

Part27Q_n78_Ant 7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332			25.0	0.0
Frequency (MHz)				3499.98				
100	PI/2 BPSK	1	1		23.63			
100	PI/2 BPSK	1	137		23.69			
100	PI/2 BPSK	1	271		23.63			
100	PI/2 BPSK	135	0		23.19		24.5	0.5
100	PI/2 BPSK	135	69		23.81		25.0	0.0
100	PI/2 BPSK	135	138		23.12			
100	PI/2 BPSK	270	0		23.14		24.5	0.5
100	QPSK	1	1		23.87			
100	QPSK	1	137		23.69			
100	QPSK	1	271		23.67		25.0	0.0
100	QPSK	135	0		22.76		24.0	1.0
100	QPSK	135	69		23.75		25.0	0.0
100	QPSK	135	138		22.85			
100	QPSK	270	0		22.57		24.0	1.0
100	16QAM	1	1		22.44		24.0	1.0
100	64QAM	1	1		20.73		22.5	2.5
100	256QAM	1	1		19.34		20.5	4.5
Channel				633000	633332	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	QPSK	1	1	23.72	23.74	23.77	25.0	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510		
80	QPSK	1	1	23.79	23.76	23.79	25.0	0.0
Channel				632000	633332	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3519.99		
60	QPSK	1	1	23.75	23.76	23.72	25.0	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	QPSK	1	1	22.77	23.82	23.75	25.0	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	QPSK	1	1	23.76	23.71	23.80	25.0	0.0
Channel				631000	633332	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	QPSK	1	1	22.75	23.82	23.82	25.0	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	QPSK	1	1	23.80	23.77	23.76	25.0	0.0

Part27O_n78_Ant 7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000		25.0	0.0
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		23.52			
100	PI/2 BPSK	1	137		23.64			
100	PI/2 BPSK	1	271		23.49			
100	PI/2 BPSK	135	0		23.11		24.5	0.5
100	PI/2 BPSK	135	69		23.67		25.0	0.0
100	PI/2 BPSK	135	138		23.05			
100	PI/2 BPSK	270	0		22.98		24.5	0.5
100	QPSK	1	1		23.72			
100	QPSK	1	137		23.55			
100	QPSK	1	271		23.45		25.0	0.0
100	QPSK	135	0		22.56		24.0	1.0
100	QPSK	135	69		23.87		25.0	0.0
100	QPSK	135	138		22.69			
100	QPSK	270	0		22.58		24.0	1.0
100	16QAM	1	1		22.31		24.0	1.0
100	64QAM	1	1		20.65		22.5	2.5
100	256QAM	1	1		19.26		20.5	4.5
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	QPSK	1	1	23.62	23.59	23.64	25.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	QPSK	1	1	23.61	23.63	23.67	25.0	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	QPSK	1	1	23.63	23.66	23.58	25.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	QPSK	1	1	23.61	23.59	23.59	25.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	23.58	23.56	23.56	25.0	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3784.98		
30	QPSK	1	1	23.60	23.59	23.62	25.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	QPSK	1	1	23.60	23.65	23.56	25.0	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				633332				
Frequency (MHz)				3499.98				
100	PI/2 BPSK	1	1	22.81			24.0	0.0
100	PI/2 BPSK	1	137	22.78				
100	PI/2 BPSK	1	271	22.86				
100	PI/2 BPSK	135	0	22.19				
100	PI/2 BPSK	135	69	22.85			23.5	0.5
100	PI/2 BPSK	135	138	22.28			24.0	0.0
100	PI/2 BPSK	270	0	22.18			23.5	0.5
100	QPSK	1	1	22.95			24.0	0.0
100	QPSK	1	137	22.78				
100	QPSK	1	271	22.73				
100	QPSK	135	0	21.85				
100	QPSK	135	69	22.86			23.0	1.0
100	QPSK	135	138	21.75			24.0	0.0
100	QPSK	270	0	21.72			23.0	1.0
100	16QAM	1	1	21.33			23.0	1.0
100	64QAM	1	1	19.98			21.5	2.5
100	256QAM	1	1	18.40			19.5	4.5
Channel				633000	633332	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	QPSK	1	1	22.80	22.70	22.72	24.0	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510		
80	QPSK	1	1	22.72	22.81	22.72	24.0	0.0
Channel				632000	633332	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3519.99		
60	QPSK	1	1	22.72	22.81	22.79	24.0	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	QPSK	1	1	22.70	22.72	22.80	24.0	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	QPSK	1	1	22.80	22.75	22.81	24.0	0.0
Channel				631000	633332	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	QPSK	1	1	22.71	22.74	22.72	24.0	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	QPSK	1	1	22.71	22.77	22.72	24.0	0.0

Part27O_n78_Ant 9								
BW [MHz]	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			24.0	0.0
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1	22.86				
100	PI/2 BPSK	1	137	22.87				
100	PI/2 BPSK	1	271	22.98				
100	PI/2 BPSK	135	0	22.31			23.5	0.5
100	PI/2 BPSK	135	69	22.97			24.0	0.0
100	PI/2 BPSK	135	138	22.39			23.5	0.5
100	PI/2 BPSK	270	0	22.32			23.0	0.0
100	QPSK	1	1	23.05				
100	QPSK	1	137	22.83			24.0	0.0
100	QPSK	1	271	22.82				
100	QPSK	135	0	21.83			23.0	1.0
100	QPSK	135	69	23.02			24.0	0.0
100	QPSK	135	138	21.87				
100	QPSK	270	0	21.78			23.0	1.0
100	16QAM	1	1	21.47			23.0	1.0
100	64QAM	1	1	20.09			21.5	2.5
100	256QAM	1	1	18.51			19.5	4.5
Channel				649668	650000	650332	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)
90	QPSK	1	1	22.79	22.72	22.78	24.0	0.0
Channel				649334	650000	650666	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)
80	QPSK	1	1	22.72	22.81	22.77	24.0	0.0
Channel				648668	650000	651332	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)
60	QPSK	1	1	22.70	22.81	22.76	24.0	0.0
Channel				648334	650000	651666	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)
50	QPSK	1	1	22.73	22.70	22.77	24.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	22.81	22.78	22.80	24.0	0.0
Channel				647668	650000	652332	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)
30	QPSK	1	1	22.72	22.77	22.73	24.0	0.0
Channel				647334	650000	652666	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)
20	QPSK	1	1	22.71	22.79	22.80	24.0	0.0

Reduced Power Mode for EC11

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. f Freq.	Power Middle Ch. f Freq.	Power High Ch. f Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PV2 BPSK	1	1	18.57	18.54	18.52	19.7	0.0	
50	PV2 BPSK	1	67	18.64	18.56	18.62			
50	PV2 BPSK	1	131	18.57	18.58	18.48			
50	PV2 BPSK	64	0	18.52	18.52	18.56	19.7	0.0	
50	PV2 BPSK	64	35	18.60	18.54	18.55	19.7	0.0	
50	PV2 BPSK	64	69	18.59	18.64	18.53	19.7	0.0	
50	PV2 BPSK	128	0	18.52	18.63	18.48			
50	QPSK	1	1	18.66	18.68	18.65			
50	QPSK	1	67	18.54	18.66	18.51	19.7	0.0	
50	QPSK	1	131	18.62	18.59	18.58			
50	QPSK	64	0	18.52	18.56	18.51		0.0	
50	QPSK	64	35	18.65	18.67	18.63	19.7	0.0	
50	QPSK	64	69	18.63	18.65	18.54	19.7	0.0	
50	QPSK	128	0	18.63	18.65	18.61			
50	16QAM	1	1	18.56	18.59	18.48	19.7	0.0	
50	64QAM	1	1	18.61	18.61	18.62	19.7	0.0	
50	256QAM	1	1	18.50	18.59	18.54	19.7	0.0	
Channel				502200	518598	534998	Tune-up limit	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)	
30	QPSK	1	1	18.60	18.60	18.50	19.7	0.0	
Channel				501204	518598	535998	Tune-up limit	MPR	
Frequency (MHz)				2506.02	2592.99	2679.98	(dBm)	(dB)	
20	QPSK	1	1	18.51	18.61	18.59	19.7	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. f Freq.	Power Middle Ch. f Freq.	Power High Ch. f Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PV2 BPSK	1	1	23.27	23.43	23.36	25.0	0.0	
50	PV2 BPSK	1	67	23.34	23.44	23.34			
50	PV2 BPSK	1	131	23.16	23.30	23.15			
50	PV2 BPSK	64	0	22.90	22.95	22.85	24.5	0.5	
50	PV2 BPSK	64	35	23.33	23.47	23.40	25.0	0.0	
50	PV2 BPSK	64	69	22.85	22.91	22.79	24.5	0.5	
50	PV2 BPSK	128	0	22.93	22.99	22.83			
50	QPSK	1	1	23.50	23.55	23.50			
50	QPSK	1	67	23.46	23.45	23.37	25.0	0.0	
50	QPSK	1	131	23.27	23.35	23.29			
50	QPSK	64	0	22.41	22.55	22.44	24.0	1.0	
50	QPSK	64	35	23.46	23.54	23.40	25.0	0.0	
50	QPSK	64	69	22.31	22.46	22.32	24.0	1.0	
50	QPSK	128	0	22.30	22.35	22.29			
50	16QAM	1	1	22.06	22.15	22.02	24.0	1.0	
50	64QAM	1	1	20.66	20.81	20.71	22.5	2.5	
50	256QAM	1	1	19.12	19.23	19.16	20.5	4.5	
Channel				502200	518598	534998	Tune-up limit	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)	
30	QPSK	1	1	23.44	23.42	23.45	25.0	0.0	
Channel				501204	518598	535998	Tune-up limit	MPR	
Frequency (MHz)				2506.02	2592.99	2679.98	(dBm)	(dB)	
20	QPSK	1	1	23.38	23.47	23.37	25.0	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				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI/2 BPSK	1	1	21.50	21.66	21.56	22.7	0.0	
50	PI/2 BPSK	1	67	21.52	21.61	21.49			
50	PI/2 BPSK	1	131	21.56	21.67	21.57			
50	PI/2 BPSK	64	0	21.53	21.61	21.60	22.7	0.0	
50	PI/2 BPSK	64	35	21.50	21.69	21.56	22.7	0.0	
50	PI/2 BPSK	64	69	21.57	21.62	21.53	22.7	0.0	
50	PI/2 BPSK	128	0	21.59	21.67	21.59			
50	QPSK	1	1	21.68	22.00	21.65			
50	QPSK	1	67	21.56	21.61	21.55	22.7	0.0	
50	QPSK	1	131	21.58	21.58	21.55			
50	QPSK	64	0	21.57	21.61	21.57			
50	QPSK	64	35	21.65	21.99	21.63	22.7	0.0	
50	QPSK	64	69	21.54	21.63	21.50	22.7	0.0	
50	QPSK	128	0	21.63	21.98	21.61			
50	16QAM	1	1	21.63	21.64	21.53			
50	64QAM	1	1	21.53	21.66	21.54	22.7	0.0	
50	256QAM	1	1	20.17	20.29	20.23	21.2	1.5	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	21.57	21.72	21.61	22.7	0.0	
Channel				501204	518598	530998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	21.64	21.64	21.56	22.7	0.0	

n41_Ant 3												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				504204	518598	532998						
Frequency (MHz)				2521.02	2592.99	2664.99						
50	PI/2 BPSK	1	1	17.99	18.01	18.09	19.5	0.0				
50	PI/2 BPSK	1	67	18.03	18.05	18.07						
50	PI/2 BPSK	1	131	18.00	18.10	18.04						
50	PI/2 BPSK	64	0	18.04	18.02	18.04	19.5	0.0				
50	PI/2 BPSK	64	35	17.98	18.06	18.03	19.5	0.0				
50	PI/2 BPSK	64	69	17.98	18.09	18.07	19.5	0.0				
50	PI/2 BPSK	128	0	18.00	18.05	17.99						
50	QPSK	1	1	18.13	18.15	18.11		0.0				
50	QPSK	1	67	18.01	18.01	18.06	19.5					
50	QPSK	1	131	18.06	18.06	17.98						
50	QPSK	64	0	18.08	18.10	17.98	19.5	0.0				
50	QPSK	64	35	18.11	18.13	18.10	19.5	0.0				
50	QPSK	64	69	18.08	18.07	18.07	19.5	0.0				
50	QPSK	128	0	18.10	18.11	18.08						
50	16QAM	1	1	17.96	18.00	18.06		0.0				
50	64QAM	1	1	18.01	18.01	17.98	19.5	0.0				
50	256QAM	1	1	18.05	18.07	18.06	19.5	0.0				
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				2511	2592.99	2674.98						
30	QPSK	1	1	18.00	18.09	18.03	19.5	0.0				
Channel				501204	518598	530998	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				2506.02	2592.99	2679.99						
20	QPSK	1	1	18.05	18.12	18.07	19.5	0.0				

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332	3499.98				
Frequency (MHz)				16.74					
100	Pi/2 BPSK	1	1	16.74			17.7	0.0	
100	Pi/2 BPSK	1	137	16.62					
100	Pi/2 BPSK	1	271	16.65					
100	Pi/2 BPSK	135	0	16.65			17.7	0.0	
100	Pi/2 BPSK	135	69	16.75			17.7	0.0	
100	Pi/2 BPSK	135	138	16.72			17.7	0.0	
100	Pi/2 BPSK	270	0	16.64					
100	QPSK	1	1	17.10					
100	QPSK	1	137	16.62			17.7	0.0	
100	QPSK	1	271	16.71					
100	QPSK	135	0	16.62			17.7	0.0	
100	QPSK	135	69	17.08			17.7	0.0	
100	QPSK	135	138	16.74			17.7	0.0	
100	QPSK	270	0	17.05					
100	16QAM	1	1	16.68			17.7	0.0	
100	64QAM	1	1	16.72			17.7	0.0	
100	256QAM	1	1	16.69			17.7	0.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.99			
90	QPSK	1	1	16.63	16.65	16.62	17.7	0.0	
Channel				632666	633332	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3499.98	3510			
80	QPSK	1	1	16.69	16.74	16.73	17.7	0.0	
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3499.98	3519.99			
60	QPSK	1	1	16.71	16.67	16.71	17.7	0.0	
Channel				631666	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525			
50	QPSK	1	1	16.62	16.72	16.65	17.7	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1	16.66	16.74	16.61	17.7	0.0	
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3499.98	3534.99			
30	QPSK	1	1	16.75	16.64	16.83	17.7	0.0	
Channel				630666	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1	16.62	16.72	16.67	17.7	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				655000	655000	662000			
Frequency (MHz)				3750	3840	3930			
100	Pi/2 BPSK	1	1	16.60	16.64	16.57			
100	Pi/2 BPSK	1	137	16.54	16.72	16.59	17.7	0.0	
100	Pi/2 BPSK	1	271	16.54	16.60	16.50			
100	Pi/2 BPSK	135	0	16.61	16.61	16.62	17.7	0.0	
100	Pi/2 BPSK	135	69	16.51	16.62	16.62	17.7	0.0	
100	Pi/2 BPSK	135	138	16.55	16.72	16.54	17.7	0.0	
100	Pi/2 BPSK	270	0	16.63	16.68	16.64			
100	QPSK	1	1	16.68	16.75	16.67			
100	QPSK	1	137	16.51	16.71	16.50	17.7	0.0	
100	QPSK	1	271	16.62	16.70	16.52			
100	QPSK	135	0	16.57	16.70	16.58	17.7	0.0	
100	QPSK	135	69	16.66	16.75	16.65	17.7	0.0	
100	QPSK	135	138	16.55	16.61	16.63	17.7	0.0	
100	QPSK	270	0	16.65	16.73	16.63			
100	16QAM	1	1	16.61	16.71	16.52	17.7	0.0	
100	64QAM	1	1	16.57	16.65	16.64	17.7	0.0	
100	256QAM	1	1	16.53	16.61	16.58	17.7	0.0	
Channel				648666	656000	662332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3934.98			
90	QPSK	1	1	16.61	16.63	16.54	17.7	0.0	
Channel				648334	656000	662666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3939.99			
80	QPSK	1	1	16.73	16.54	16.55	17.7	0.0	
Channel				648666	656000	663332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3949.98			
60	QPSK	1	1	16.61	16.63	16.59	17.7	0.0	
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3954.99			
50	QPSK	1	1	16.60	16.59	16.61	17.7	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	16.66	16.62	16.62	17.7	0.0	
Channel				647666	656000	664332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3964.99			
30	QPSK	1	1	16.68	16.62	16.61	17.7	0.0	
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3969.99			
20	QPSK	1	1	16.70	16.59	16.62	17.7	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				633332	633332		18.5	0.0	
Frequency (MHz)				3499.98					
100	PI/2 BPSK	1	1	17.05			18.5	0.0	
100	PI/2 BPSK	1	137	17.09					
100	PI/2 BPSK	1	271	17.11			18.5	0.0	
100	PI/2 BPSK	135	0	17.05					
100	PI/2 BPSK	135	69	17.06			18.5	0.0	
100	PI/2 BPSK	135	138	17.12			18.5	0.0	
100	PI/2 BPSK	270	0	17.17					
100	QPSK	1	1	17.20			18.5	0.0	
100	QPSK	1	137	17.06					
100	QPSK	1	271	17.17			18.5	0.0	
100	QPSK	135	0	17.15					
100	QPSK	135	69	17.18			18.5	0.0	
100	QPSK	135	138	17.07			18.5	0.0	
100	QPSK	270	0	17.16					
100	16QAM	1	1	17.03			18.5	0.0	
100	64QAM	1	1	17.07			18.5	0.0	
100	256QAM	1	1	17.04			18.5	0.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.99	18.5	0.0	
90	QPSK	1	1	17.09	17.12	17.08	18.5	0.0	
Channel				632666	633332	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3499.98	3510	18.5	0.0	
80	QPSK	1	1	17.09	17.14	17.03	18.5	0.0	
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3499.98	3519.99	18.5	0.0	
60	QPSK	1	1	17.05	17.14	17.09	18.5	0.0	
Channel				631666	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525	18.5	0.0	
50	QPSK	1	1	17.13	17.13	17.17	18.5	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98	18.5	0.0	
40	QPSK	1	1	17.08	17.12	17.06	18.5	0.0	
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3499.98	3534.99	18.5	0.0	
30	QPSK	1	1	17.14	17.13	17.04	18.5	0.0	
Channel				630666	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540	18.5	0.0	
20	QPSK	1	1	17.08	17.15	17.15	18.5	0.0	

Part27O_n77_Ant 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				655000	655000	662000	18.5	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	16.66	16.88	16.56	18.5	0.0	
100	PI/2 BPSK	1	137	16.69	16.95	16.52			
100	PI/2 BPSK	1	271	16.70	16.94	16.52	18.5	0.0	
100	PI/2 BPSK	135	0	16.62	17.01	16.55			
100	PI/2 BPSK	135	69	16.64	16.97	16.63	18.5	0.0	
100	PI/2 BPSK	135	138	16.68	16.97	16.61	18.5	0.0	
100	PI/2 BPSK	270	0	16.65	17.00	16.54			
100	QPSK	1	1	16.76	17.05	16.68	18.5	0.0	
100	QPSK	1	137	16.63	16.91	16.65			
100	QPSK	1	271	16.69	16.93	16.61	18.5	0.0	
100	QPSK	135	0	16.66	16.92	16.65			
100	QPSK	135	69	16.75	17.03	16.66	18.5	0.0	
100	QPSK	135	138	16.71	17.00	16.66	18.5	0.0	
100	QPSK	270	0	16.73	17.01	16.63			
100	16QAM	1	1	16.69	17.01	16.55	18.5	0.0	
100	64QAM	1	1	16.70	17.00	16.55	18.5	0.0	
100	256QAM	1	1	16.66	16.96	16.80	18.5	0.0	
Channel				648666	656000	662332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3934.98	18.5	0.0	
90	QPSK	1	1	16.91	16.62	16.64	18.5	0.0	
Channel				648334	656000	662666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3939.99	18.5	0.0	
80	QPSK	1	1	16.89	16.66	16.55	18.5	0.0	
Channel				648666	656000	663332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3949.98	18.5	0.0	
60	QPSK	1	1	16.96	16.60	16.64	18.5	0.0	
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3954.99	18.5	0.0	
50	QPSK	1	1	16.90	16.63	16.55	18.5	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	18.5	0.0	
40	QPSK	1	1	16.98	16.74	16.54	18.5	0.0	
Channel				647666	656000	664332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3964.99	18.5	0.0	
30	QPSK	1	1	16.91	16.73	16.54	18.5	0.0	
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3969.99	18.5	0.0	
20	QPSK	1	1	16.93	16.71	16.51	18.5	0.0	

Part27Q_n77_Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332	633332		18.0	0.0	
Frequency (MHz)				3499.98					
100	PI/2 BPSK	1	1		16.84		18.0	0.0	
100	PI/2 BPSK	1	137		16.93				
100	PI/2 BPSK	1	271		16.92		18.0	0.0	
100	PI/2 BPSK	135	0		16.89				
100	PI/2 BPSK	135	69		16.90		18.0	0.0	
100	PI/2 BPSK	135	138		16.89		18.0	0.0	
100	PI/2 BPSK	270	0		16.95		18.0	0.0	
100	QPSK	1	1		16.98		18.0	0.0	
100	QPSK	1	137		16.94				
100	QPSK	1	271		16.86		18.0	0.0	
100	QPSK	135	0		16.89				
100	QPSK	135	69		16.98		18.0	0.0	
100	QPSK	135	138		16.93		18.0	0.0	
100	QPSK	270	0		16.95		18.0	0.0	
100	16QAM	1	1		16.82		18.0	0.0	
100	64QAM	1	1		16.94		18.0	0.0	
100	256QAM	1	1		16.84		18.0	0.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.99			
90	QPSK	1	1		16.86	16.90	16.86	18.0	0.0
Channel				632666	633332	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3499.98	3510			
80	QPSK	1	1		16.90	16.85	16.81	18.0	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3499.98	3519.99			
60	QPSK	1	1		16.93	16.93	16.85	18.0	0.0
Channel				631666	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525			
50	QPSK	1	1		16.87	16.95	16.94	18.0	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1		16.91	16.88	16.91	18.0	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3499.98	3534.99			
30	QPSK	1	1		16.83	16.80	16.89	18.0	0.0
Channel				630666	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1		16.91	16.92	16.89	18.0	0.0

Part27O_n77_Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				655000	655000	662000	18.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1		16.68	16.86	16.57	18.0	0.0
100	PI/2 BPSK	1	137		16.67	16.82	16.59		
100	PI/2 BPSK	1	271		16.81	16.77	16.57	18.0	0.0
100	PI/2 BPSK	135	0		16.57	16.85	16.80		
100	PI/2 BPSK	135	69		16.61	16.83	16.66	18.0	0.0
100	PI/2 BPSK	135	138		16.60	16.77	16.63	18.0	0.0
100	PI/2 BPSK	270	0		16.69	16.83	16.81	18.0	0.0
100	QPSK	1	1		16.73	16.91	16.70	18.0	0.0
100	QPSK	1	137		16.64	16.81	16.54		
100	QPSK	1	271		16.59	16.83	16.60	18.0	0.0
100	QPSK	135	0		16.63	16.81	16.64		
100	QPSK	135	69		16.71	16.89	16.68	18.0	0.0
100	QPSK	135	138		16.63	16.84	16.65	18.0	0.0
100	QPSK	270	0		16.70	16.87	16.66	18.0	0.0
100	16QAM	1	1		16.60	16.79	16.66	18.0	0.0
100	64QAM	1	1		16.65	16.85	16.66	18.0	0.0
100	256QAM	1	1		16.64	16.85	16.62	18.0	0.0
Channel				648666	656000	662332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3934.98			
90	QPSK	1	1		16.87	16.57	16.62	18.0	0.0
Channel				648334	656000	662666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3939.99			
80	QPSK	1	1		16.85	16.64	16.61	18.0	0.0
Channel				648666	656000	663332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3949.98			
60	QPSK	1	1		16.79	16.68	16.67	18.0	0.0
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3954.99			
50	QPSK	1	1		16.84	16.63	16.59	18.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1		16.78	16.61	16.53	18.0	0.0
Channel				647666	656000	664332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3964.99			
30	QPSK	1	1		16.83	16.64	16.64	18.0	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3969.99			
20	QPSK	1	1		16.80	16.67	16.61	18.0	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					633332				
Frequency (MHz)					3499.98				
100	Pi/2 BPSK	1	1		21.10		22.5	0.0	
100	Pi/2 BPSK	1	137		21.03				
100	Pi/2 BPSK	1	271		20.86		22.0	0.5	
100	Pi/2 BPSK	135	0		20.54				
100	Pi/2 BPSK	135	69		21.16		22.5	0.0	
100	Pi/2 BPSK	135	138		20.57				
100	Pi/2 BPSK	270	0		20.45		22.0	0.5	
100	QPSK	1	1		21.50				
100	QPSK	1	137		21.44		22.5	0.0	
100	QPSK	1	271		21.26				
100	QPSK	135	0		20.52		21.5	1.0	
100	QPSK	135	69		21.41				
100	QPSK	135	138		20.32		21.5	1.0	
100	QPSK	270	0		20.33				
100	16QAM	1	1		19.86		21.5	1.0	
100	64QAM	1	1		18.16				
100	256QAM	1	1		16.79		18.0	4.5	
Channel				633000	633332	633666			
Frequency (MHz)				3495	3499.98	3504.99	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	21.11	20.95	20.97	22.5	0.0	
Channel				632666	633332	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3499.98	3510			
80	QPSK	1	1	21.11	20.93	21.06	22.5	0.0	
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3499.98	3519.99			
60	QPSK	1	1	21.18	20.90	20.98	22.5	0.0	
Channel				631666	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525			
50	QPSK	1	1	21.16	20.89	20.97	22.5	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1	21.12	20.88	21.00	22.5	0.0	
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3499.98	3534.99			
30	QPSK	1	1	21.10	20.93	20.96	22.5	0.0	
Channel				630666	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1	21.20	20.96	20.98	22.5	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				655000	655000	662000	22.5	0.0			
Frequency (MHz)				3750	3840	3930					
100	Pi/2 BPSK	1	1	21.06	21.16	21.04	22.5	0.0			
100	Pi/2 BPSK	1	137	21.06	21.19	21.07					
100	Pi/2 BPSK	1	271	20.97	21.02	20.96	22.0	0.5			
100	Pi/2 BPSK	135	0	20.57	20.62	20.53					
100	Pi/2 BPSK	135	69	21.15	21.23	21.17	22.5 0.0				
100	Pi/2 BPSK	135	138	20.54	20.62	20.55	22.0	0.5			
100	Pi/2 BPSK	270	0	20.47	20.58	20.53					
100	QPSK	1	1	21.12	21.26	21.11	22.5	0.0			
100	QPSK	1	137	21.01	21.17	21.10					
100	QPSK	1	271	20.91	21.02	20.90	21.5	1.0			
100	QPSK	135	0	20.11	20.19	20.12					
100	QPSK	135	69	21.10	21.18	21.08	22.5 0.0				
100	QPSK	135	138	20.07	20.13	20.00	21.5	1.0			
100	QPSK	270	0	19.91	20.02	19.95					
100	16QAM	1	1	19.85	19.96	19.84	21.5 1.0				
100	64QAM	1	1	18.26	18.31	18.20	20.0 2.5				
100	256QAM	1	1	16.82	16.88	16.73	18.0 4.5				
Channel				648666	656000	662332	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				3745.02	3840	3934.98					
90	QPSK	1	1	21.14	20.92	21.00	22.5 0.0				
Channel				648334	656000	662666	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				3740.01	3840	3939.99					
80	QPSK	1	1	21.21	20.90	20.95	22.5 0.0				
Channel				648666	656000	663332	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				3730.02	3840	3949.98					
60	QPSK	1	1	21.17	20.93	20.99	22.5 0.0				
Channel				648334	656000	663666	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				3725.01	3840	3954.99					
50	QPSK	1	1	21.19	20.94	21.01	22.5 0.0				
Channel				648000	656000	664000	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				3720	3840	3960					
40	QPSK	1	1	21.11	20.94	20.96	22.5 0.0				
Channel				647666	656000	664332	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				3715.02	3840	3964.98					
30	QPSK	1	1	21.20	20.87	21.06	22.5 0.0				
Channel				647334	656000	664666	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				3710.01	3840	3969.99					
20	QPSK	1	1	21.19	20.96	20.96	22.5 0.0				

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332	3499.98				
Frequency (MHz)				16.72	16.71		17.7	0.0	
100	PI/2 BPSK	1	1	16.72	16.71		17.7	0.0	
100	PI/2 BPSK	1	137	16.74	16.73		17.7	0.0	
100	PI/2 BPSK	1	271	16.74	16.73		17.7	0.0	
100	PI/2 BPSK	135	0	16.65	16.63		17.7	0.0	
100	PI/2 BPSK	135	69	16.63	16.61		17.7	0.0	
100	PI/2 BPSK	135	138	16.61	16.69		17.7	0.0	
100	PI/2 BPSK	270	0	16.78	16.75		17.7	0.0	
100	QPSK	1	1	16.78	16.75		17.7	0.0	
100	QPSK	1	137	16.78	16.75		17.7	0.0	
100	QPSK	1	271	16.78	16.75		17.7	0.0	
100	QPSK	135	0	16.74	16.73		17.7	0.0	
100	QPSK	135	69	16.78	16.67		17.7	0.0	
100	QPSK	135	138	16.67	16.65		17.7	0.0	
100	QPSK	270	0	16.75	16.71		17.7	0.0	
100	16QAM	1	1	16.71	16.63		17.7	0.0	
100	64QAM	1	1	16.63	16.68		17.7	0.0	
100	256QAM	1	1	16.68	16.3332	633966			
Channel				633000	3495	3499.98	3504.99	Tune-up limit (dBm)	
Frequency (MHz)				16.61	16.68	16.69	17.7	0.0	
90	QPSK	1	1	16.61	16.68	16.69	17.7	0.0	
Channel				632668	633332	634000			
Frequency (MHz)				3470.02	3499.98	3510			
80	QPSK	1	1	16.64	16.75	16.73	17.7	0.0	
Channel				632000	633332	634966			
Frequency (MHz)				3480	3499.98	3519.99			
60	QPSK	1	1	16.61	16.71	16.71	17.7	0.0	
Channel				631668	633332	635000			
Frequency (MHz)				3475.02	3499.98	3525			
50	QPSK	1	1	16.68	16.65	16.73	17.7	0.0	
Channel				631334	633332	635332			
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1	16.72	16.64	16.68	17.7	0.0	
Channel				631000	633332	635668			
Frequency (MHz)				3465	3499.98	3534.99			
30	QPSK	1	1	16.74	16.66	16.66	17.7	0.0	
Channel				630668	633332	636000			
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1	16.69	16.64	16.63	17.7	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				650000	3750				
Frequency (MHz)				16.63	16.65		17.7	0.0	
100	PI/2 BPSK	1	1	16.63	16.65		17.7	0.0	
100	PI/2 BPSK	1	137	16.74	16.73		17.7	0.0	
100	PI/2 BPSK	1	271	16.74	16.73		17.7	0.0	
100	PI/2 BPSK	135	0	16.73	16.74		17.7	0.0	
100	PI/2 BPSK	135	69	16.74	16.67		17.7	0.0	
100	PI/2 BPSK	135	138	16.67	16.62		17.7	0.0	
100	PI/2 BPSK	270	0	16.78	16.75		17.7	0.0	
100	QPSK	1	1	16.78	16.75		17.7	0.0	
100	QPSK	1	137	16.78	16.75		17.7	0.0	
100	QPSK	1	271	16.78	16.75		17.7	0.0	
100	QPSK	135	0	16.75	16.76		17.7	0.0	
100	QPSK	135	69	16.76	16.71		17.7	0.0	
100	QPSK	135	138	16.71	16.75		17.7	0.0	
100	QPSK	270	0	16.75	16.61		17.7	0.0	
100	16QAM	1	1	16.61	16.69		17.7	0.0	
100	64QAM	1	1	16.69	16.65		17.7	0.0	
100	256QAM	1	1	16.65	649668	650000	650332	Tune-up limit (dBm)	
Channel				3745.02	3750	3754.98			
Frequency (MHz)				16.72	16.70	16.61	17.7	0.0	
90	QPSK	1	1	16.72	16.70	16.61	17.7	0.0	
Channel				649334	650000	650668			
Frequency (MHz)				3740.01	3750	3759.99			
80	QPSK	1	1	16.68	16.67	16.62	17.7	0.0	
Channel				648968	650000	651332			
Frequency (MHz)				3730.02	3750	3769.98			
60	QPSK	1	1	16.63	16.72	16.73	17.7	0.0	
Channel				648334	650000	651668			
Frequency (MHz)				3725.01	3750	3774.99			
50	QPSK	1	1	16.64	16.64	16.64	17.7	0.0	
Channel				648000	650000	652000			
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	16.67	16.61	16.72	17.7	0.0	
Channel				647668	650000	652332			
Frequency (MHz)				3715.02	3750	3784.99			
30	QPSK	1	1	16.63	16.67	16.74	17.7	0.0	
Channel				647334	650000	652668			
Frequency (MHz)				3710.01	3750	3789.99			
20	QPSK	1	1	16.72	16.61	16.71	17.7	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				633332	633332		17.5	0.0	
Frequency (MHz)				3499.98					
100	Pi/2 BPSK	1	1	15.82			17.5	0.0	
100	Pi/2 BPSK	1	137	15.73					
100	Pi/2 BPSK	1	271	15.83			17.5	0.0	
100	Pi/2 BPSK	135	0	15.81					
100	Pi/2 BPSK	135	69	15.71			17.5	0.0	
100	Pi/2 BPSK	135	138	15.74			17.5	0.0	
100	Pi/2 BPSK	270	0	15.84					
100	QPSK	1	1	15.88			17.5	0.0	
100	QPSK	1	137	15.75					
100	QPSK	1	271	15.75			17.5	0.0	
100	QPSK	135	0	15.77					
100	QPSK	135	69	15.88			17.5	0.0	
100	QPSK	135	138	15.83			17.5	0.0	
100	QPSK	270	0	15.85					
100	16QAM	1	1	15.77			17.5	0.0	
100	64QAM	1	1	15.73			17.5	0.0	
100	256QAM	1	1	15.78			17.5	0.0	
Channel				633000	633332	633666	17.5	0.0	
Frequency (MHz)				3495	3499.98	3504.99			
90	QPSK	1	1	15.74	15.84	15.82	17.5	0.0	
Channel				632666	633332	634000	17.5	0.0	
Frequency (MHz)				3490.02	3499.98	3510			
80	QPSK	1	1	15.83	15.79	15.73	17.5	0.0	
Channel				632000	633332	634666	17.5	0.0	
Frequency (MHz)				3480	3499.98	3519.99			
60	QPSK	1	1	15.82	15.73	15.83	17.5	0.0	
Channel				631666	633332	635000	17.5	0.0	
Frequency (MHz)				3475.02	3499.98	3525			
50	QPSK	1	1	15.72	15.75	15.75	17.5	0.0	
Channel				631334	633332	635332	17.5	0.0	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1	15.85	15.73	15.77	17.5	0.0	
Channel				631000	633332	635666	17.5	0.0	
Frequency (MHz)				3465	3499.98	3534.99			
30	QPSK	1	1	15.73	15.72	15.81	17.5	0.0	
Channel				630666	633332	636000	17.5	0.0	
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1	15.73	15.78	15.74	17.5	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000		17.5	0.0	
Frequency (MHz)				3750					
100	Pi/2 BPSK	1	1	15.84			17.5	0.0	
100	Pi/2 BPSK	1	137	15.78					
100	Pi/2 BPSK	1	271	15.76			17.5	0.0	
100	Pi/2 BPSK	135	0	15.83					
100	Pi/2 BPSK	135	69	15.73			17.5	0.0	
100	Pi/2 BPSK	135	138	15.79			17.5	0.0	
100	Pi/2 BPSK	270	0	15.76					
100	QPSK	1	1	15.90			17.5	0.0	
100	QPSK	1	137	15.83					
100	QPSK	1	271	15.79			17.5	0.0	
100	QPSK	135	0	15.86					
100	QPSK	135	69	15.88			17.5	0.0	
100	QPSK	135	138	15.78			17.5	0.0	
100	QPSK	270	0	15.87					
100	16QAM	1	1	15.73			17.5	0.0	
100	64QAM	1	1	15.81			17.5	0.0	
100	256QAM	1	1	15.78			17.5	0.0	
Channel				648666	650000	650332	17.5	0.0	
Frequency (MHz)				3745.02	3750	3754.98			
90	QPSK	1	1	15.80	15.79	15.75	17.5	0.0	
Channel				648334	650000	650666	17.5	0.0	
Frequency (MHz)				3740.01	3750	3759.99			
80	QPSK	1	1	15.81	15.84	15.81	17.5	0.0	
Channel				648666	650000	651332	17.5	0.0	
Frequency (MHz)				3730.02	3750	3769.98			
60	QPSK	1	1	15.84	15.82	15.73	17.5	0.0	
Channel				648334	650000	651666	17.5	0.0	
Frequency (MHz)				3725.01	3750	3774.99			
50	QPSK	1	1	15.79	15.75	15.73	17.5	0.0	
Channel				648000	650000	652000	17.5	0.0	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	15.77	15.78	15.84	17.5	0.0	
Channel				647666	650000	652332	17.5	0.0	
Frequency (MHz)				3715.02	3750	3784.98			
30	QPSK	1	1	15.84	15.74	15.87	17.5	0.0	
Channel				647334	650000	652666	17.5	0.0	
Frequency (MHz)				3710.01	3750	3789.99			
20	QPSK	1	1	15.80	15.83	15.86	17.5	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332	3499.98				
Frequency (MHz)				15.21	15.14		16.5	0.0	
100	PI/2 BPSK	1	1						
100	PI/2 BPSK	1	137						
100	PI/2 BPSK	1	271		15.12				
100	PI/2 BPSK	135	0		15.18		16.5	0.0	
100	PI/2 BPSK	135	69		15.25		16.5	0.0	
100	PI/2 BPSK	135	138		15.16		16.5	0.0	
100	PI/2 BPSK	270	0		15.22				
100	QPSK	1	1		15.28				
100	QPSK	1	137		15.21		16.5	0.0	
100	QPSK	1	271		15.17				
100	QPSK	135	0		15.15		16.5	0.0	
100	QPSK	135	69		15.28		16.5	0.0	
100	QPSK	135	138		15.12		16.5	0.0	
100	QPSK	270	0		15.25				
100	16QAM	1	1		15.25		16.5	0.0	
100	64QAM	1	1		15.19		16.5	0.0	
100	256QAM	1	1		15.22		16.5	0.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.99	16.5	0.0	
90	QPSK	1	1		15.15	15.12	15.16	16.5	
Channel				632666	633332	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3499.98	3510	16.5	0.0	
80	QPSK	1	1		15.12	15.15	15.15	16.5	
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3499.98	3519.99	16.5	0.0	
60	QPSK	1	1		15.14	15.16	15.18	16.5	
Channel				631666	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525	16.5	0.0	
50	QPSK	1	1		15.11	15.20	15.16	16.5	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98	16.5	0.0	
40	QPSK	1	1		15.24	15.25	15.14	16.5	
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3499.98	3534.99	16.5	0.0	
30	QPSK	1	1		15.16	15.25	15.14	16.5	
Channel				630666	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540	16.5	0.0	
20	QPSK	1	1		15.24	15.13	15.18	16.5	

Part27O_n78_Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	3750				
Frequency (MHz)				15.01	15.04		16.5	0.0	
100	PI/2 BPSK	1	1						
100	PI/2 BPSK	1	137						
100	PI/2 BPSK	1	271		14.99				
100	PI/2 BPSK	135	0		15.02		16.5	0.0	
100	PI/2 BPSK	135	69		15.08		16.5	0.0	
100	PI/2 BPSK	135	138		15.00		16.5	0.0	
100	PI/2 BPSK	270	0		14.98				
100	QPSK	1	1		15.15				
100	QPSK	1	137		15.08		16.5	0.0	
100	QPSK	1	271		15.11				
100	QPSK	135	0		15.12		16.5	0.0	
100	QPSK	135	69		15.13		16.5	0.0	
100	QPSK	135	138		15.08		16.5	0.0	
100	QPSK	270	0		15.11				
100	16QAM	1	1		15.05		16.5	0.0	
100	64QAM	1	1		15.11		16.5	0.0	
100	256QAM	1	1		15.01		16.5	0.0	
Channel				648666	650000	650332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98	16.5	0.0	
90	QPSK	1	1		14.99	15.04	15.02	16.5	
Channel				648334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99	16.5	0.0	
80	QPSK	1	1		15.06	15.00	15.00	16.5	
Channel				648666	650000	651332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98	16.5	0.0	
60	QPSK	1	1		15.05	15.07	15.08	16.5	
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99	16.5	0.0	
50	QPSK	1	1		15.11	15.07	15.04	16.5	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	16.5	0.0	
40	QPSK	1	1		15.00	15.02	15.00	16.5	
Channel				647666	650000	652332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3784.98	16.5	0.0	
30	QPSK	1	1		15.12	15.07	15.08	16.5	
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99	16.5	0.0	
20	QPSK	1	1		14.98	15.02	15.08	16.5	

Part27Q_n78_Ant 9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332	633332				
Frequency (MHz)				3499.98					
100	Pi/2 BPSK	1	1		22.81				
100	Pi/2 BPSK	1	137		22.78		24.0	0.0	
100	Pi/2 BPSK	1	271		22.96				
100	Pi/2 BPSK	135	0		22.19		23.5	0.5	
100	Pi/2 BPSK	135	69		22.85		24.0	0.0	
100	Pi/2 BPSK	135	138		22.28		23.5	0.5	
100	Pi/2 BPSK	270	0		22.18				
100	QPSK	1	1		22.95				
100	QPSK	1	137		22.78		24.0	0.0	
100	QPSK	1	271		22.75				
100	QPSK	135	0		21.85		23.0	1.0	
100	QPSK	135	69		22.88		24.0	0.0	
100	QPSK	135	138		21.75		23.0	1.0	
100	QPSK	270	0		21.72				
100	16QAM	1	1		21.33		23.0	1.0	
100	64QAM	1	1		19.98		21.5	2.5	
100	256QAM	1	1		18.40		19.5	4.5	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.99			
90	QPSK	1	1		22.80	22.70	22.72	24.0	0.0
Channel				632666	633332	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3499.98	3510			
80	QPSK	1	1		22.72	22.81	22.72	24.0	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3499.98	3519.99			
60	QPSK	1	1		22.72	22.81	22.79	24.0	0.0
Channel				631666	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525			
50	QPSK	1	1		22.70	22.72	22.80	24.0	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1		22.80	22.75	22.81	24.0	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3499.98	3534.99			
30	QPSK	1	1		22.71	22.74	22.72	24.0	0.0
Channel				630666	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1		22.71	22.77	22.72	24.0	0.0

Part27O_n78_Ant 9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					650000				
Frequency (MHz)					3750				
100	Pi/2 BPSK	1	1		22.86				
100	Pi/2 BPSK	1	137		22.87		24.0	0.0	
100	Pi/2 BPSK	1	271		22.96				
100	Pi/2 BPSK	135	0		22.31		23.5	0.5	
100	Pi/2 BPSK	135	69		22.97		24.0	0.0	
100	Pi/2 BPSK	135	138		22.39		23.5	0.5	
100	Pi/2 BPSK	270	0		22.32				
100	QPSK	1	1		23.05				
100	QPSK	1	137		22.83		24.0	0.0	
100	QPSK	1	271		22.82				
100	QPSK	135	0		21.83		23.0	1.0	
100	QPSK	135	69		23.02		24.0	0.0	
100	QPSK	135	138		21.87		23.0	1.0	
100	QPSK	270	0		21.78				
100	16QAM	1	1		21.47		23.0	1.0	
100	64QAM	1	1		20.09		21.5	2.5	
100	256QAM	1	1		18.51		19.5	4.5	
Channel				648666	650000	650332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98			
90	QPSK	1	1		22.79	22.72	22.78	24.0	0.0
Channel				648334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99			
80	QPSK	1	1		22.72	22.81	22.77	24.0	0.0
Channel				648666	650000	651332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98			
60	QPSK	1	1		22.70	22.81	22.76	24.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99			
50	QPSK	1	1		22.73	22.70	22.77	24.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		22.81	22.78	22.80	24.0	0.0
Channel				647666	650000	652332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3784.98			
30	QPSK	1	1		22.72	22.77	22.73	24.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99			
20	QPSK	1	1		22.71	22.79	22.80	24.0	0.0

Reduced Power Mode for ECI4

n41_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504204	518598	532998	25.7	0.0	
Frequency (MHz)				2521.02	2592.99	2664.96			
50	PV2 BPSK	1	1	24.45	24.61	24.50	25.7	0.0	
50	PV2 BPSK	1	67	24.40	24.53	24.39			
50	PV2 BPSK	1	131	24.37	24.42	24.37			
50	PV2 BPSK	64	0	23.99	24.10	23.95			
50	PV2 BPSK	64	35	24.52	24.64	24.55	25.7	0.0	
50	PV2 BPSK	64	69	23.94	24.08	23.99	25.2	0.5	
50	PV2 BPSK	128	0	23.95	24.10	24.02			
50	QPSK	1	1	24.58	24.65	24.54	25.7	0.0	
50	QPSK	1	67	24.42	24.54	24.45			
50	QPSK	1	131	24.43	24.48	24.35			
50	QPSK	64	0	23.59	23.64	23.48		1.0	
50	QPSK	64	35	24.48	24.59	24.48	25.7	0.0	
50	QPSK	64	69	23.50	23.59	23.48	24.7	1.0	
50	QPSK	128	0	23.45	23.57	23.47			
50	16QAM	1	1	23.13	23.24	23.16	24.7	1.0	
50	64QAM	1	1	21.70	21.79	21.72	23.2	2.5	
50	256QAM	1	1	20.30	20.37	20.32	21.2	4.5	
Channel				502200	516598	530998	25.7	0.0	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	24.53	24.58	24.39	25.7	0.0	
Channel				501204	518598	535998	25.7	0.0	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	24.50	24.54	24.46	25.7	0.0	

n41_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504204	518598	532998	25.0	0.0	
Frequency (MHz)				2521.02	2592.99	2664.96			
50	PV2 BPSK	1	1	23.27	23.43	23.36	25.0	0.0	
50	PV2 BPSK	1	67	23.34	23.44	23.34			
50	PV2 BPSK	1	131	23.16	23.30	23.15			
50	PV2 BPSK	64	0	22.90	22.95	22.85		0.5	
50	PV2 BPSK	64	35	23.33	23.47	23.40	25.0	0.0	
50	PV2 BPSK	64	69	22.85	22.91	22.79	24.5	0.5	
50	PV2 BPSK	128	0	22.93	22.99	22.83			
50	QPSK	1	1	23.50	23.55	23.50	25.0	0.0	
50	QPSK	1	67	23.40	23.45	23.37			
50	QPSK	1	131	23.27	23.35	23.29			
50	QPSK	64	0	22.41	22.55	22.44		1.0	
50	QPSK	64	35	23.46	23.54	23.40	25.0	0.0	
50	QPSK	64	69	22.31	22.46	22.32	24.0	1.0	
50	QPSK	128	0	22.30	22.35	22.29			
50	16QAM	1	1	22.06	22.15	22.02	24.0	1.0	
50	64QAM	1	1	20.66	20.81	20.71	22.5	2.5	
50	256QAM	1	1	19.12	19.23	19.16	20.5	4.5	
Channel				502200	516598	530998	25.0	0.0	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	23.44	23.42	23.45	25.0	0.0	
Channel				501204	518598	535998	25.0	0.0	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	23.38	23.47	23.37	25.0	0.0	

n41_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504204	518598	532998	2521.02	2692.99	2664.99
Frequency (MHz)									
50	PI/2 BPSK	1	1	21.50	21.66	21.56	22.7	0.0	
50	PI/2 BPSK	1	67	21.52	21.61	21.49			
50	PI/2 BPSK	1	131	21.56	21.67	21.57			
50	PI/2 BPSK	64	0	21.53	21.61	21.60			
50	PI/2 BPSK	64	35	21.50	21.69	21.59	22.7	0.0	
50	PI/2 BPSK	64	69	21.57	21.62	21.53			
50	PI/2 BPSK	128	0	21.59	21.67	21.59			
50	QPSK	1	1	21.58	22.00	21.65			
50	QPSK	1	67	21.56	21.61	21.55	22.7	0.0	
50	QPSK	1	131	21.58	21.58	21.55			
50	QPSK	64	0	21.57	21.61	21.57			
50	QPSK	64	35	21.48	21.99	21.63			
50	QPSK	64	69	21.54	21.63	21.50	22.7	0.0	
50	QPSK	128	0	21.63	21.98	21.61			
50	16QAM	1	1	21.63	21.64	21.53			
50	64QAM	1	1	21.53	21.66	21.54			
50	256QAM	1	1	20.17	20.29	20.23	21.2	1.5	
Channel				502200	516598	531092	2511	2592.99	2674.98
Frequency (MHz)									
30	QPSK	1	1	21.57	21.72	21.61	22.7	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)		
Frequency (MHz)				2506.02	2592.99	2679.99	MPR (dB)		
20	QPSK	1	1	21.64	21.64	21.56	22.7	0.0	

n41_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504204	518598	532998	2521.02	2592.99	2664.99
Frequency (MHz)									
50	PI/2 BPSK	1	1	23.64	23.79	23.71	25.0	0.0	
50	PI/2 BPSK	1	67	23.57	23.73	23.65			
50	PI/2 BPSK	1	131	23.44	23.55	23.49			
50	PI/2 BPSK	64	0	23.20	23.30	23.23			
50	PI/2 BPSK	64	35	23.73	23.79	23.64	24.5	0.5	
50	PI/2 BPSK	64	69	23.11	23.18	23.07			
50	PI/2 BPSK	128	0	23.31	23.36	23.25			
50	QPSK	1	1	23.78	23.83	23.73			
50	QPSK	1	67	23.69	23.74	23.65	25.0	0.0	
50	QPSK	1	131	23.38	23.49	23.42			
50	QPSK	64	0	22.61	22.74	22.67			
50	QPSK	64	35	23.59	23.71	23.53			
50	QPSK	64	69	22.47	22.63	22.48	24.0	1.0	
50	QPSK	128	0	22.59	22.71	22.66			
50	16QAM	1	1	22.32	22.45	22.37			
50	64QAM	1	1	20.90	21.02	20.92			
50	256QAM	1	1	19.56	19.62	19.57	20.5	4.5	
Channel				502200	516596	531092	2511	2592.99	2674.98
Frequency (MHz)									
30	QPSK	1	1	23.64	23.68	23.60	25.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)		
Frequency (MHz)				2506.02	2592.99	2679.99	MPR (dB)		
20	QPSK	1	1	23.71	23.75	23.65	25.0	0.0	

Part27Q_n77_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633332				
Frequency (MHz)					3499.98				
100	PI/2 BPSK	1	1		24.67		25.7	0.0	
100	PI/2 BPSK	1	137		24.70				
100	PI/2 BPSK	1	271		24.63				
100	PI/2 BPSK	135	0		24.29				
100	PI/2 BPSK	135	69		24.76		25.2	0.5	
100	PI/2 BPSK	135	138		24.11		25.2	0.5	
100	PI/2 BPSK	270	0		24.13				
100	QPSK	1	1		24.77		25.7	0.0	
100	QPSK	1	137		24.74				
100	QPSK	1	271		24.57				
100	QPSK	135	0		23.73				
100	QPSK	135	69		24.67		24.7	1.0	
100	QPSK	135	138		23.60		24.7	1.0	
100	QPSK	270	0		23.55				
100	16QAM	1	1		23.58		24.7	1.0	
100	64QAM	1	1		21.74		23.2	2.5	
100	256QAM	1	1		20.38		21.2	4.5	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.99			
90	QPSK	1	1	24.64	24.63	24.65	25.7	0.0	
Channel				632668	633332	634000			
Frequency (MHz)				3490.02	3499.98	3510	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	24.63	24.62	24.63	25.7	0.0	
Channel				633200	633332	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490	3499.98	3510.99			
60	QPSK	1	1	24.67	24.66	24.68	25.7	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	24.66	24.66	24.70	25.7	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1	24.68	24.72	24.69	25.7	0.0	
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3499.98	3534.99			
30	QPSK	1	1	24.65	24.66	24.62	25.7	0.0	
Channel				630668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	24.63	24.71	24.64	25.7	0.0	

Part27O_n77_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3790	3840	3930			
100	PI/2 BPSK	1	1		24.69	24.62	24.60	25.7	0.0
100	PI/2 BPSK	1	137		24.63	24.51	24.55		
100	PI/2 BPSK	1	271		24.58	24.48	24.47		
100	PI/2 BPSK	135	0		24.11	23.96	23.95		
100	PI/2 BPSK	135	69		24.65	24.57	24.60	25.7	0.0
100	PI/2 BPSK	135	138		24.03	23.94	23.94		
100	PI/2 BPSK	270	0		24.04	23.91	23.93	25.2	0.5
100	QPSK	1	1		24.65	24.76	24.69		
100	QPSK	1	137		24.57	24.71	24.61	25.7	0.0
100	QPSK	1	271		24.53	24.68	24.62		
100	QPSK	135	0		23.55	23.65	23.54		
100	QPSK	135	69		24.59	24.70	24.62		
100	QPSK	135	138		23.52	23.67	23.64	24.7	1.0
100	QPSK	270	0		23.44	23.51	23.37		
100	16QAM	1	1		23.45	23.29	23.36	24.7	1.0
100	64QAM	1	1		21.75	21.70	21.70	23.2	2.5
100	256QAM	1	1		20.38	20.30	20.24	21.2	4.5
Channel				646668	650000	652332			
Frequency (MHz)				3745.02	3840	3934.98			
90	QPSK	1	1		24.61	24.58	24.64	25.7	0.0
Channel				649334	650000	652666			
Frequency (MHz)				3740.01	3840	3939.99			
80	QPSK	1	1		24.66	24.52	24.59	25.7	0.0
Channel				646668	650000	653332			
Frequency (MHz)				3730.02	3840	3949.98			
60	QPSK	1	1		24.66	24.60	24.53	25.7	0.0
Channel				648334	650000	653666			
Frequency (MHz)				3725.01	3840	3954.99			
50	QPSK	1	1		24.64	24.50	24.57	25.7	0.0
Channel				646000	650000	654000			
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1		24.68	24.57	24.55	25.7	0.0
Channel				647668	650000	654332			
Frequency (MHz)				3715.02	3840	3964.98			
30	QPSK	1	1		24.61	24.52	24.56	25.7	0.0
Channel				647334	650000	654666			
Frequency (MHz)				3710.01	3840	3959.99			
20	QPSK	1	1		24.61	24.51	24.54	25.7	0.0

Part27Q_n77_Ant 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332					
Frequency (MHz)				3499.98					
100	PI/2 BPSK	1	1		21.88		23.5	0.0	
100	PI/2 BPSK	1	137		21.79				
100	PI/2 BPSK	1	271		21.72				
100	PI/2 BPSK	135	0		21.36				
100	PI/2 BPSK	135	69		21.91				
100	PI/2 BPSK	135	138		21.25		23.0	0.5	
100	PI/2 BPSK	270	0		21.13				
100	QPSK	1	1		22.17		23.5	0.0	
100	QPSK	1	137		22.09				
100	QPSK	1	271		21.95				
100	QPSK	135	0		21.17				
100	QPSK	135	69		22.05				
100	QPSK	135	138		21.00		22.5	1.0	
100	QPSK	270	0		20.99				
100	16QAM	1	1		20.61		22.5	1.0	
100	64QAM	1	1		19.08				
100	256QAM	1	1		17.54		19.0	4.5	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.99			
90	QPSK	1	1	21.92	21.64	21.60	23.5	0.0	
Channel				632668	633332	634000			
Frequency (MHz)				3490.02	3499.98	3510	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	21.89	21.61	21.52	23.5	0.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490	3499.98	3510.99			
60	QPSK	1	1	21.98	21.62	21.52	23.5	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525			
50	QPSK	1	1	21.91	21.58	21.51	23.5	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1	21.91	21.61	21.51	23.5	0.0	
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3499.98	3534.99			
30	QPSK	1	1	21.89	21.69	21.54	23.5	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1	21.96	21.62	21.60	23.5	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				650000	650000	650000				
Frequency (MHz)				3750	3840	3930				
100	PI/2 BPSK	1	1	21.81	21.96	21.87		23.5	0.0	
100	PI/2 BPSK	1	137	21.89	21.95	21.82				
100	PI/2 BPSK	1	271	21.77	21.83	21.67				
100	PI/2 BPSK	135	0	21.29	21.45	21.29	23.0			
100	PI/2 BPSK	135	69	21.96	22.02	21.93	23.5			
100	PI/2 BPSK	135	138	21.31	21.38	21.31		23.0	0.5	
100	PI/2 BPSK	270	0	21.20	21.28	21.19				
100	QPSK	1	1	21.74	22.05	21.65		23.5	0.0	
100	QPSK	1	137	21.63	21.90	21.56				
100	QPSK	1	271	21.56	21.77	21.65				
100	QPSK	135	0	20.78	20.91	20.55	22.5			
100	QPSK	135	69	21.69	21.92	21.65	23.5			
100	QPSK	135	138	20.59	20.85	20.65		22.5	1.0	
100	QPSK	270	0	20.54	20.72	20.42				
100	16QAM	1	1	20.62	20.73	20.64	22.5	21.0	2.5	
100	64QAM	1	1	19.06	19.06	19.01	21.0			
100	256QAM	1	1	17.56	17.66	17.50	19.0			
Channel				649668	650000	650332				
Frequency (MHz)				3745.02	3840	3934.98				
90	QPSK	1	1	21.96	21.64	21.57	23.5	MPR		
Channel				649334	650000	650666				
Frequency (MHz)				3740.01	3840	3939.99				
80	QPSK	1	1	21.93	21.61	21.60	23.5	MPR		
Channel				649668	650000	650332				
Frequency (MHz)				3730.02	3840	3949.98				
60	QPSK	1	1	21.94	21.68	21.51	23.5	MPR		
Channel				648334	650000	650666				
Frequency (MHz)				3725.01	3840	3954.99				
50	QPSK	1	1	21.89	21.58	21.51	23.5	MPR		
Channel				648000	650000	650666				
Frequency (MHz)				3720	3840	3960				
40	QPSK	1	1	21.99	21.66	21.56	23.5	MPR		
Channel				647668	650000	650332				
Frequency (MHz)				3715.02	3840	3964.98				
30	QPSK	1	1	21.94	21.66	21.52	23.5	MPR		
Channel				647334	650000	650666				
Frequency (MHz)				3710.01	3840	3959.99				
20	QPSK	1	1	21.97	21.62	21.54	23.5	MPR		

Part27Q_n77_Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332			19.0	0.0	
Frequency (MHz)				3499.98					
100	PI/2 BPSK	1	1		17.91		19.0	0.0	
100	PI/2 BPSK	1	137		17.86				
100	PI/2 BPSK	1	271		17.93				
100	PI/2 BPSK	135	0		17.93				
100	PI/2 BPSK	135	69		17.94		19.0	0.0	
100	PI/2 BPSK	135	138		17.93		19.0	0.0	
100	PI/2 BPSK	270	0		17.83				
100	QPSK	1	1		17.98				
100	QPSK	1	137		17.95				
100	QPSK	1	271		17.95		19.0	0.0	
100	QPSK	135	0		17.94				
100	QPSK	135	69		17.96				
100	QPSK	135	138		17.87				
100	QPSK	270	0		17.93		19.0	0.0	
100	16QAM	1	1		17.86				
100	64QAM	1	1		17.82				
100	256QAM	1	1		17.55				
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.99			
90	QPSK	1	1	17.90	17.90	17.86	19.0	0.0	
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3499.98	3510			
80	QPSK	1	1	17.84	17.88	17.84	19.0	0.0	
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3499.98	3519.99			
60	QPSK	1	1	17.90	17.89	17.95	19.0	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525			
50	QPSK	1	1	17.85	17.89	17.86	19.0	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1	17.91	17.94	17.85	19.0	0.0	
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3499.98	3534.99			
30	QPSK	1	1	17.83	17.93	17.82	19.0	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1	17.84	17.83	17.86	19.0	0.0	

Part27O_n77_Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000		650000	19.0	0.0	
Frequency (MHz)				3790		3840			
100	PI/2 BPSK	1	1	17.56	17.72	17.62	19.0	0.0	
100	PI/2 BPSK	1	137	17.56	17.73	17.59			
100	PI/2 BPSK	1	271	17.64	17.65	17.67			
100	PI/2 BPSK	135	0	17.57	17.70	17.59			
100	PI/2 BPSK	135	69	17.60	17.73	17.54	19.0	0.0	
100	PI/2 BPSK	135	138	17.66	17.65	17.65			
100	PI/2 BPSK	270	0	17.63	17.64	17.57			
100	QPSK	1	1	17.73	17.90	17.70			
100	QPSK	1	137	17.63	17.62	17.62	19.0	0.0	
100	QPSK	1	271	17.60	17.66	17.58			
100	QPSK	135	0	17.61	17.66	17.60			
100	QPSK	135	69	17.71	17.76	17.69			
100	QPSK	135	138	17.64	17.74	17.58	19.0	0.0	
100	QPSK	270	0	17.70	17.72	17.65			
100	16QAM	1	1	17.63	17.73	17.67			
100	64QAM	1	1	17.63	17.75	17.57			
100	256QAM	1	1	17.49	17.47	17.44	19.0	0.0	
Channel				649668	650000	650332			
Frequency (MHz)				3745.02	3840	3934.98	Tune-up limit (dBm)		
90	QPSK	1	1	17.67	17.70	17.61	19.0	MPR (dB)	
Channel				649334	650000	650666	Tune-up limit (dBm)		
Frequency (MHz)				3740.01	3840	3939.99	MPR (dB)		
80	QPSK	1	1	17.61	17.57	17.63	19.0	MPR (dB)	
Channel				649000	650000	650332	Tune-up limit (dBm)		
Frequency (MHz)				3730.02	3840	3949.98	MPR (dB)		
60	QPSK	1	1	17.62	17.60	17.58	19.0	MPR (dB)	
Channel				648334	650000	650666	Tune-up limit (dBm)		
Frequency (MHz)				3725.01	3840	3954.99	MPR (dB)		
50	QPSK	1	1	17.68	17.57	17.59	19.0	MPR (dB)	
Channel				648000	650000	650332	Tune-up limit (dBm)		
Frequency (MHz)				3720	3840	3960	MPR (dB)		
40	QPSK	1	1	17.71	17.58	17.59	19.0	MPR (dB)	
Channel				647668	650000	650332	Tune-up limit (dBm)		
Frequency (MHz)				3715.02	3840	3964.98	MPR (dB)		
30	QPSK	1	1	17.71	17.56	17.67	19.0	MPR (dB)	
Channel				647334	650000	650666	Tune-up limit (dBm)		
Frequency (MHz)				3710.01	3840	3969.99	MPR (dB)		
20	QPSK	1	1	17.64	17.67	17.61	19.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633332				
Frequency (MHz)					3499.98				
100	PI/2 BPSK	1	1		19.88		21.0	0.0	
100	PI/2 BPSK	1	137		19.98				
100	PI/2 BPSK	1	271		19.98				
100	PI/2 BPSK	135	0		19.96				
100	PI/2 BPSK	135	69		19.98		21.0	0.0	0.0
100	PI/2 BPSK	135	138		19.90		21.0	0.0	0.0
100	PI/2 BPSK	270	0		19.95				
100	QPSK	1	1		20.01		21.0	0.0	0.0
100	QPSK	1	137		19.89				
100	QPSK	1	271		19.91				
100	QPSK	135	0		19.88				
100	QPSK	135	69		19.99		21.0	0.0	0.0
100	QPSK	135	138		19.85		21.0	0.0	0.0
100	QPSK	270	0		19.97				
100	16QAM	1	1		19.93		21.0	0.0	0.0
100	64QAM	1	1		18.16		20.0	1.0	1.0
100	256QAM	1	1		16.79		18.0	3.0	3.0
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.99			
90	QPSK	1	1	19.85	19.95	19.97	21.0	0.0	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3499.98	3510			
80	QPSK	1	1	19.94	19.87	19.94	21.0	0.0	0.0
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490	3499.98	3510.99			
60	QPSK	1	1	19.96	19.84	19.98	21.0	0.0	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525			
50	QPSK	1	1	19.91	19.98	19.96	21.0	0.0	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1	19.91	19.88	19.97	21.0	0.0	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3499.98	3534.99			
30	QPSK	1	1	19.93	19.96	19.98	21.0	0.0	0.0
Channel				633668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3499.98	3540			
20	QPSK	1	1	19.98	19.85	19.95	21.0	0.0	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			
Frequency (MHz)				3790	3840	3930			
100	PI/2 BPSK	1	1	19.57	19.61	19.44	21.0	0.0	
100	PI/2 BPSK	1	137	19.50	19.68	19.50			
100	PI/2 BPSK	1	271	19.60	19.67	19.47			
100	PI/2 BPSK	135	0	19.55	19.68	19.54			
100	PI/2 BPSK	135	69	19.49	19.59	19.58	21.0	0.0	
100	PI/2 BPSK	135	138	19.51	19.68	19.57	21.0	0.0	
100	PI/2 BPSK	270	0	19.47	19.65	19.54	21.0	0.0	
100	QPSK	1	1	19.63	19.76	19.61			
100	QPSK	1	137	19.60	19.69	19.63			
100	QPSK	1	271	19.48	19.68	19.58			
100	QPSK	135	0	19.47	19.64	19.58	21.0	0.0	
100	QPSK	135	69	19.61	19.73	19.59	21.0	0.0	
100	QPSK	135	138	19.59	19.68	19.56	21.0	0.0	
100	QPSK	270	0	19.60	19.71	19.57	21.0	0.0	
100	16QAM	1	1	19.58	19.64	19.57			
100	64QAM	1	1	18.26	18.31	18.20			
100	256QAM	1	1	16.82	16.88	16.73			
Channel				649668	650000	650332			
Frequency (MHz)				3745.02	3840	3934.98	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	19.70	19.47	19.44	21.0	0.0	
Channel				649334	650000	650666			
Frequency (MHz)				3740.01	3840	3939.99	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	19.72	19.59	19.44	21.0	0.0	
Channel				649000	650000	650332			
Frequency (MHz)				3730.02	3840	3949.98	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	19.65	19.46	19.56	21.0	0.0	
Channel				648334	650000	650666			
Frequency (MHz)				3725.01	3840	3954.99	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	19.69	19.49	19.56	21.0	0.0	
Channel				648000	650000	650000			
Frequency (MHz)				3720	3840	3960	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	19.61	19.54	19.51	21.0	0.0	
Channel				647668	650000	650332			
Frequency (MHz)				3715.02	3840	3964.98	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	19.71	19.60	19.50	21.0	0.0	
Channel				647334	650000	650666			
Frequency (MHz)				3710.01	3840	3969.99 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th>	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	19.69	19.48	19.50	21.0	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				633332	3499.98				
Frequency (MHz)				3499.98	24.73				
100	PI/2 BPSK	1	1		24.73				
100	PI/2 BPSK	1	137		24.70		25.7	0.0	
100	PI/2 BPSK	1	271		24.61				
100	PI/2 BPSK	135	0		24.25		25.2	0.5	
100	PI/2 BPSK	135	69		24.74		25.7	0.0	
100	PI/2 BPSK	135	138		24.13		25.2	0.5	
100	PI/2 BPSK	270	0		24.14				
100	QPSK	1	1		24.75				
100	QPSK	1	137		24.71		25.7	0.0	
100	QPSK	1	271		24.59				
100	QPSK	135	0		23.75		24.7	1.0	
100	QPSK	135	69		24.74		25.7	0.0	
100	QPSK	135	138		23.57		24.7	1.0	
100	QPSK	270	0		23.58				
100	16QAM	1	1		23.54		24.6	1.0	
100	64QAM	1	1		21.83		23.2	2.5	
100	256QAM	1	1		20.41		21.2	4.5	
Channel				633020	633332	633666			
Frequency (MHz)				3495	3499.98	3504.99			
90	QPSK	1	1	24.61	24.59	24.59	25.7	0.0	
Channel				632668	633332	634000			
Frequency (MHz)				3490.02	3499.98	3510			
80	QPSK	1	1	24.62	24.67	24.63	25.7	0.0	
Channel				633020	633332	634668			
Frequency (MHz)				3490	3499.98	3510.99			
60	QPSK	1	1	24.65	24.70	24.59	25.7	0.0	
Channel				631668	633332	635000			
Frequency (MHz)				3475.02	3499.98	3525			
50	QPSK	1	1	24.70	24.68	24.66	25.7	0.0	
Channel				631334	633332	635332			
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1	24.68	24.66	24.60	25.7	0.0	
Channel				631000	633332	635666			
Frequency (MHz)				3465	3499.98	3534.99			
30	QPSK	1	1	24.65	24.61	24.67	25.7	0.0	
Channel				630666	633332	635000			
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1	24.61	24.63	24.68	25.7	0.0	

Part27O_n78_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	3750				
Frequency (MHz)				3750	24.67				
100	PI/2 BPSK	1	1		24.67				
100	PI/2 BPSK	1	137		24.70		25.7	0.0	
100	PI/2 BPSK	1	271		24.70				
100	PI/2 BPSK	135	0		24.15		25.2	0.5	
100	PI/2 BPSK	135	69		24.73		25.7	0.0	
100	PI/2 BPSK	135	138		24.19		25.2	0.5	
100	PI/2 BPSK	270	0		24.03				
100	QPSK	1	1		24.75				
100	QPSK	1	137		24.62		25.7	0.0	
100	QPSK	1	271		24.54				
100	QPSK	135	0		23.58		24.7	1.0	
100	QPSK	135	69		24.62		25.7	0.0	
100	QPSK	135	138		23.64		24.7	1.0	
100	QPSK	270	0		23.49				
100	16QAM	1	1		23.46		24.7	1.0	
100	64QAM	1	1		21.78		23.2	2.5	
100	256QAM	1	1		20.41		21.2	4.5	
Channel				648668	650000	650332			
Frequency (MHz)				3745.02	3750	3754.98			
90	QPSK	1	1	24.62	24.68	24.66	25.7	0.0	
Channel				649334	650000	650666			
Frequency (MHz)				3740.01	3750	3759.99			
80	QPSK	1	1	24.68	24.65	24.68	25.7	0.0	
Channel				648668	650000	651332			
Frequency (MHz)				3730.02	3750	3769.98			
60	QPSK	1	1	24.61	24.68	24.67	25.7	0.0	
Channel				648334	650000	651666			
Frequency (MHz)				3725.01	3750	3774.99			
50	QPSK	1	1	24.59	24.62	24.70	25.7	0.0	
Channel				648000	650000	652000			
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	24.69	24.66	24.70	25.7	0.0	
Channel				647668	650000	652332			
Frequency (MHz)				3715.02	3750	3784.98			
30	QPSK	1	1	24.69	24.60	24.68	25.7	0.0	
Channel				647334	650000	652666			
Frequency (MHz)				3710.01	3750	3789.99			
20	QPSK	1	1	24.70	24.68	24.63	25.7	0.0	

Part27Q_n78_Ant 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				63332			24.5	0.0	
Frequency (MHz)				3499.98					
100	PI/2 BPSK	1	1		22.59		24.5	0.0	
100	PI/2 BPSK	1	137		22.70				
100	PI/2 BPSK	1	271		22.70				
100	PI/2 BPSK	135	0		22.15				
100	PI/2 BPSK	135	69		22.97		24.0	0.5	
100	PI/2 BPSK	135	138		22.38				
100	PI/2 BPSK	270	0		22.12		24.0	0.5	
100	QPSK	1	1		22.98				
100	QPSK	1	137		22.85		24.5	0.0	
100	QPSK	1	271		22.71				
100	QPSK	135	0		21.89				
100	QPSK	135	69		22.95				
100	QPSK	135	138		21.78		23.5	1.0	
100	QPSK	270	0		21.74				
100	16QAM	1	1		21.57		23.5	1.0	
100	64QAM	1	1		20.01				
100	256QAM	1	1		18.39		20.0	4.5	
Channel				633000	63332	633666	Tune-up limit		MPR
Frequency (MHz)				3495	3499.98	3504.99	(dBm)		(dB)
90	QPSK	1	1	22.74	22.70	22.76	24.5		0.0
Channel				632668	633332	634000	Tune-up limit		MPR
Frequency (MHz)				3490.02	3499.98	3510	(dBm)		(dB)
80	QPSK	1	1	22.70	22.73	22.72	24.5		0.0
Channel				633000	633332	634666	Tune-up limit		MPR
Frequency (MHz)				3490	3499.98	3510.99	(dBm)		(dB)
60	QPSK	1	1	22.77	22.73	22.80	24.5		0.0
Channel				631668	633332	635000	Tune-up limit		MPR
Frequency (MHz)				3475.02	3499.98	3525	(dBm)		(dB)
50	QPSK	1	1	22.79	22.73	22.77	24.5		0.0
Channel				631334	633332	635332	Tune-up limit		MPR
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)		(dB)
40	QPSK	1	1	22.73	22.81	22.71	24.5		0.0
Channel				631000	633332	635666	Tune-up limit		MPR
Frequency (MHz)				3465	3499.98	3534.99	(dBm)		(dB)
30	QPSK	1	1	22.71	22.72	22.72	24.5		0.0
Channel				630666	633332	636000	Tune-up limit		MPR
Frequency (MHz)				3460.02	3499.98	3540	(dBm)		(dB)
20	QPSK	1	1	22.72	22.75	22.70	24.5		0.0

Part27O_n78_Ant 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				65000			24.5	0.0	
Frequency (MHz)				3750					
100	PI/2 BPSK	1	1		22.65		24.5	0.0	
100	PI/2 BPSK	1	137		22.81				
100	PI/2 BPSK	1	271		22.84				
100	PI/2 BPSK	135	0		22.21				
100	PI/2 BPSK	135	69		23.03		24.0	0.5	
100	PI/2 BPSK	135	138		22.45				
100	PI/2 BPSK	270	0		22.25		24.0	0.5	
100	QPSK	1	1		23.04				
100	QPSK	1	137		22.81		24.5	0.0	
100	QPSK	1	271		22.79				
100	QPSK	135	0		21.79				
100	QPSK	135	69		22.98				
100	QPSK	135	138		21.89		23.5	1.0	
100	QPSK	270	0		21.74				
100	16QAM	1	1		21.52		23.5	1.0	
100	64QAM	1	1		20.03				
100	256QAM	1	1		18.45		20.0	4.5	
Channel				648668	65000	650332	Tune-up limit		MPR
Frequency (MHz)				3745.02	3750	3754.98	(dBm)		(dB)
90	QPSK	1	1	22.81	22.78	22.74	24.5		0.0
Channel				649334	650000	650666	Tune-up limit		MPR
Frequency (MHz)				3740.01	3750	3759.99	(dBm)		(dB)
80	QPSK	1	1	22.80	22.76	22.77	24.5		0.0
Channel				648668	650000	651332	Tune-up limit		MPR
Frequency (MHz)				3730.02	3750	3769.98	(dBm)		(dB)
60	QPSK	1	1	22.82	22.79	22.75	24.5		0.0
Channel				648334	650000	651666	Tune-up limit		MPR
Frequency (MHz)				3725.01	3750	3774.99	(dBm)		(dB)
50	QPSK	1	1	22.74	22.81	22.75	24.5		0.0
Channel				648000	650000	652000	Tune-up limit		MPR
Frequency (MHz)				3720	3750	3780	(dBm)		(dB)
40	QPSK	1	1	22.75	22.74	22.81	24.5		0.0
Channel				647668	650000	652332	Tune-up limit		MPR
Frequency (MHz)				3715.02	3750	3784.98	(dBm)		(dB)
30	QPSK	1	1	22.74	22.77	22.80	24.5		0.0
Channel				647334	650000	652666	Tune-up limit		MPR
Frequency (MHz)				3710.01	3750	3789.99	(dBm)		(dB)
20	QPSK	1	1	22.76	22.77	22.83	24.5		0.0

Part27Q_n78_Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332			17.5	0.0	
Frequency (MHz)				3499.98					
100	PI/2 BPSK	1	1		16.25		17.5	0.0	
100	PI/2 BPSK	1	137		16.30				
100	PI/2 BPSK	1	271		16.24				
100	PI/2 BPSK	135	0		16.27				
100	PI/2 BPSK	135	69		16.23				
100	PI/2 BPSK	135	138		16.31		17.5	0.0	
100	PI/2 BPSK	270	0		16.30				
100	QPSK	1	1		16.38				
100	QPSK	1	137		16.22				
100	QPSK	1	271		16.21				
100	QPSK	135	0		16.24		17.5	0.0	
100	QPSK	135	69		16.36				
100	QPSK	135	138		16.26				
100	QPSK	270	0		16.33				
100	16QAM	1	1		16.24		17.5	0.0	
100	64QAM	1	1		16.33				
100	256QAM	1	1		16.34				
Channel				633000	633332	633666		Tune-up limit (dBm)	
Frequency (MHz)				3495	3499.98	3504.99		MPR (dB)	
90	QPSK	1	1	16.21	16.22	16.28	17.5	0.0	
Channel				632668	633332	634000	17.5	MPR	
Frequency (MHz)				3490.02	3499.98	3510			
80	QPSK	1	1	16.34	16.31	16.21	17.5	0.0	
Channel				633000	633332	633666	17.5	MPR	
Frequency (MHz)				3490	3499.98	3510.99			
60	QPSK	1	1	16.25	16.30	16.22	17.5	0.0	
Channel				631668	633332	635000	17.5	MPR	
Frequency (MHz)				3475.02	3499.98	3525			
50	QPSK	1	1	16.33	16.29	16.35	17.5	0.0	
Channel				631334	633332	635332	17.5	MPR	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1	16.24	16.26	16.23	17.5	0.0	
Channel				631000	633332	635666	17.5	MPR	
Frequency (MHz)				3465	3499.98	3534.99			
30	QPSK	1	1	16.26	16.33	16.25	17.5	0.0	
Channel				630668	633332	635000	17.5	MPR	
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1	16.27	16.26	16.35	17.5	0.0	

Part27O_n78_Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000			17.5	0.0	
Frequency (MHz)				3750					
100	PI/2 BPSK	1	1		16.18		17.5	0.0	
100	PI/2 BPSK	1	137		16.10				
100	PI/2 BPSK	1	271		16.10				
100	PI/2 BPSK	135	0		16.16				
100	PI/2 BPSK	135	69		16.10				
100	PI/2 BPSK	135	138		16.20		17.5	0.0	
100	PI/2 BPSK	270	0		16.08				
100	QPSK	1	1		16.25				
100	QPSK	1	137		16.18				
100	QPSK	1	271		16.21				
100	QPSK	135	0		16.22		17.5	0.0	
100	QPSK	135	69		16.23				
100	QPSK	135	138		16.19				
100	QPSK	270	0		16.21				
100	16QAM	1	1		16.15		17.5	0.0	
100	64QAM	1	1		16.12				
100	256QAM	1	1		16.09				
Channel				648668	650000	650332		Tune-up limit (dBm)	
Frequency (MHz)				3745.02	3750	3754.98		MPR (dB)	
90	QPSK	1	1	16.21	16.21	16.13	17.5	0.0	
Channel				649334	650000	650666	17.5	MPR	
Frequency (MHz)				3740.01	3750	3759.99			
80	QPSK	1	1	16.11	16.17	16.12	17.5	0.0	
Channel				648668	650000	651332	17.5	MPR	
Frequency (MHz)				3730.02	3750	3759.98			
60	QPSK	1	1	16.13	16.13	16.18	17.5	0.0	
Channel				648334	650000	651666	17.5	MPR	
Frequency (MHz)				3725.01	3750	3774.99			
50	QPSK	1	1	16.13	16.19	16.14	17.5	0.0	
Channel				648000	650000	652000	17.5	MPR	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	16.10	16.18	16.21	17.5	0.0	
Channel				647668	650000	652332	17.5	MPR	
Frequency (MHz)				3715.02	3750	3784.98			
30	QPSK	1	1	16.22	16.19	16.12	17.5	0.0	
Channel				647334	650000	652666	17.5	MPR	
Frequency (MHz)				3710.01	3750	3789.99			
20	QPSK	1	1	16.21	16.20	16.21	17.5	0.0	

Part27Q_n78_Ant 9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332		3499.98			
Frequency (MHz)				18.42					
100	PI/2 BPSK	1	1		18.42		19.5	0.0	
100	PI/2 BPSK	1	137		18.32				
100	PI/2 BPSK	1	271		18.31				
100	PI/2 BPSK	135	0		18.42				
100	PI/2 BPSK	135	69		18.32		19.5	0.0	
100	PI/2 BPSK	135	138		18.42		19.5	0.0	
100	PI/2 BPSK	270	0		18.41				
100	QPSK	1	1		18.48				
100	QPSK	1	137		18.39				
100	QPSK	1	271		18.38		19.5	0.0	
100	QPSK	135	0		18.37				
100	QPSK	135	69		18.40				
100	QPSK	135	138		18.32				
100	QPSK	270	0		18.43		19.5	0.0	
100	16QAM	1	1		18.35				
100	64QAM	1	1		18.35				
100	256QAM	1	1		18.32				
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.99			
90	QPSK	1	1	18.35	18.33	18.40	19.5	0.0	
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3499.98	3510			
80	QPSK	1	1	18.36	18.39	18.39	19.5	0.0	
Channel				633000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490	3499.98	3510.99			
60	QPSK	1	1	18.33	18.35	18.43	19.5	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525			
50	QPSK	1	1	18.38	18.42	18.34	19.5	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1	18.40	18.43	18.37	19.5	0.0	
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3499.98	3534.99			
30	QPSK	1	1	18.43	18.31	18.36	19.5	0.0	
Channel				630666	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1	18.44	18.44	18.35	19.5	0.0	

Part27O_n78_Ant 9									
BW [MHz]	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		3750			
Frequency (MHz)				18.45					
100	PI/2 BPSK	1	1		18.45		19.5	0.0	
100	PI/2 BPSK	1	137		18.44				
100	PI/2 BPSK	1	271		18.55				
100	PI/2 BPSK	135	0		18.51				
100	PI/2 BPSK	135	69		18.55		19.5	0.0	
100	PI/2 BPSK	135	138		18.44		19.5	0.0	
100	PI/2 BPSK	270	0		18.48				
100	QPSK	1	1		18.58				
100	QPSK	1	137		18.51				
100	QPSK	1	271		18.51		19.5	0.0	
100	QPSK	135	0		18.51				
100	QPSK	135	69		18.56				
100	QPSK	135	138		18.44				
100	QPSK	270	0		18.53		19.5	0.0	
100	16QAM	1	1		18.53				
100	64QAM	1	1		18.54				
100	256QAM	1	1		18.54				
Channel				648668	650000	650332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98			
90	QPSK	1	1	18.41	18.46	18.42	19.5	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99			
80	QPSK	1	1	18.55	18.45	18.54	19.5	0.0	
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98			
60	QPSK	1	1	18.44	18.43	18.48	19.5	0.0	
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99			
50	QPSK	1	1	18.51	18.48	18.41	19.5	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	18.45	18.44	18.53	19.5	0.0	
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3784.98			
30	QPSK	1	1	18.44	18.54	18.41	19.5	0.0	
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99			
20	QPSK	1	1	18.42	18.45	18.52	19.5	0.0	

Reduced Power Mode for ECI3

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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				504204	518998	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI/2 BPSK	1	1	18.57	18.54	18.52	19.7	0.0	
50	PI/2 BPSK	1	67	18.64	18.56	18.62			
50	PI/2 BPSK	1	131	18.57	18.58	18.48			
50	PI/2 BPSK	64	0	18.52	18.52	18.56	19.7	0.0	
50	PI/2 BPSK	64	35	18.60	18.54	18.55	19.7	0.0	
50	PI/2 BPSK	64	69	18.59	18.64	18.53	19.7	0.0	
50	PI/2 BPSK	128	0	18.52	18.63	18.48			
50	QPSK	1	1	18.60	18.58	18.62			
50	QPSK	1	67	18.54	18.66	18.51	19.7	0.0	
50	QPSK	1	131	18.62	18.59	18.58			
50	QPSK	64	0	18.52	18.56	18.51	19.7	0.0	
50	QPSK	64	35	18.65	18.67	18.63	19.7	0.0	
50	QPSK	64	69	18.63	18.65	18.54	19.7	0.0	
50	QPSK	128	0	18.63	18.65	18.61	19.7	0.0	
50	16QAM	1	1	18.56	18.59	18.48	19.7	0.0	
50	16QAM	1	1	18.61	18.61	18.62	19.7	0.0	
50	256QAM	1	1	18.50	18.59	18.54	19.7	0.0	
Channel				502200	518998	534998	Tune-up limit	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)	
30	QPSK	1	1	18.60	18.60	18.50	19.7	0.0	
Channel				501204	518998	532998	Tune-up limit	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)	
20	QPSK	1	1	18.51	18.61	18.59	19.7	0.0	

n41_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504204	518998	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI/2 BPSK	1	1	21.41	21.49	21.40	23.0	0.0	
50	PI/2 BPSK	1	67	21.44	21.50	21.37			
50	PI/2 BPSK	1	131	21.35	21.40	21.42			
50	PI/2 BPSK	64	0	21.45	21.46	21.46	23.0	0.0	
50	PI/2 BPSK	64	35	21.35	21.50	21.47	23.0	0.0	
50	PI/2 BPSK	64	69	21.37	21.44	21.46	23.0	0.0	
50	PI/2 BPSK	128	0	21.37	21.44	21.39			
50	QPSK	1	1	21.55	21.56	21.51			
50	QPSK	1	67	21.42	21.41	21.46	23.0	0.0	
50	QPSK	1	131	21.35	21.44	21.41			
50	QPSK	64	0	21.38	21.39	21.44	23.0	0.0	
50	QPSK	64	35	21.50	21.53	21.49	23.0	0.0	
50	QPSK	64	69	21.44	21.47	21.39	23.0	0.0	
50	QPSK	128	0	21.48	21.51	21.47	23.0	0.0	
50	16QAM	1	1	21.37	21.43	21.39	23.0	0.0	
50	16QAM	1	1	20.66	20.81	20.71	22.5	0.5	
50	256QAM	1	1	19.12	19.23	19.16	20.5	2.5	
Channel				502200	518998	534998	Tune-up limit	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)	
30	QPSK	1	1	21.38	21.43	21.44	23.0	0.0	
Channel				501204	518998	532998	Tune-up limit	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)	
20	QPSK	1	1	21.36	21.50	21.38	23.0	0.0	

n41_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504204	518598	532998	22.7	0.0	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI/2 BPSK	1	1	21.50	21.66	21.56	22.7	0.0	
50	PI/2 BPSK	1	67	21.52	21.61	21.49			
50	PI/2 BPSK	1	131	21.56	21.67	21.57			
50	PI/2 BPSK	64	0	21.53	21.61	21.60			
50	PI/2 BPSK	64	35	21.50	21.69	21.56	22.7	0.0	
50	PI/2 BPSK	64	69	21.57	21.62	21.53			
50	PI/2 BPSK	128	0	21.59	21.67	21.59			
50	QPSK	1	1	21.66	22.00	21.55			
50	QPSK	1	67	21.56	21.61	21.55	22.7	0.0	
50	QPSK	1	131	21.58	21.58	21.55			
50	QPSK	64	0	21.57	21.61	21.57			
50	QPSK	64	35	21.65	21.99	21.63			
50	QPSK	64	69	21.54	21.63	21.50	22.7	0.0	
50	QPSK	128	0	21.63	21.98	21.61			
50	16QAM	1	1	21.63	21.64	21.53			
50	64QAM	1	1	21.53	21.66	21.54			
50	256QAM	1	1	20.17	20.29	20.23	21.2	1.5	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	21.57	21.72	21.61	22.7	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	21.64	21.64	21.56	22.7	0.0	

n41_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504204	518598	532998	22.7	0.0	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI/2 BPSK	1	1	19.04	18.98	18.99	20.5	0.0	
50	PI/2 BPSK	1	67	19.06	18.99	18.95			
50	PI/2 BPSK	1	131	18.98	19.11	18.99			
50	PI/2 BPSK	64	0	19.03	19.04	18.99			
50	PI/2 BPSK	64	35	19.03	19.01	18.95	20.5	0.0	
50	PI/2 BPSK	64	69	19.00	19.05	19.07			
50	PI/2 BPSK	128	0	19.09	19.06	19.00			
50	QPSK	1	1	19.12	19.15	19.10			
50	QPSK	1	67	19.05	19.04	19.03	20.5	0.0	
50	QPSK	1	131	18.96	19.11	18.99			
50	QPSK	64	0	18.98	19.05	18.98			
50	QPSK	64	35	19.11	19.13	19.08			
50	QPSK	64	69	19.04	19.01	18.97	20.5	0.0	
50	QPSK	128	0	19.07	19.11	19.05			
50	16QAM	1	1	19.04	19.03	18.95			
50	64QAM	1	1	19.06	19.08	19.07			
50	256QAM	1	1	18.97	18.99	19.00	20.5	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	18.97	19.03	19.02	20.5	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	19.07	19.04	18.98	20.5	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332			20.7	0.0	
Frequency (MHz)				3499.98					
100	PI/2 BPSK	1	1	19.74			20.7	0.0	
100	PI/2 BPSK	1	137	19.63					
100	PI/2 BPSK	1	271	19.72					
100	PI/2 BPSK	135	0	19.68			20.7	0.0	
100	PI/2 BPSK	135	69	19.61			20.7	0.0	
100	PI/2 BPSK	135	138	19.69			20.7	0.0	
100	PI/2 BPSK	270	0	19.70					
100	QPSK	1	1	19.78			20.7	0.0	
100	QPSK	1	137	19.75					
100	QPSK	1	271	19.61					
100	QPSK	135	0	19.69			20.7	0.0	
100	QPSK	135	69	19.76			20.7	0.0	
100	QPSK	135	138	19.67			20.7	0.0	
100	QPSK	270	0	19.75					
100	16QAM	1	1	19.67			20.7	0.0	
100	64QAM	1	1	19.72			20.7	0.0	
100	256QAM	1	1	19.74			20.7	0.0	
Channel				633000	633332	633666	20.7	MPR	
Frequency (MHz)				3495	3499.98	3504.99			
90	QPSK	1	1	19.64	19.70	19.62	20.7	0.0	
Channel				632666	633332	634000	20.7	MPR	
Frequency (MHz)				3480.02	3499.98	3510			
80	QPSK	1	1	19.65	19.67	19.72	20.7	0.0	
Channel				632000	633332	634666	20.7	MPR	
Frequency (MHz)				3480	3499.98	3519.99			
60	QPSK	1	1	19.67	19.68	19.70	20.7	0.0	
Channel				631666	633332	635000	20.7	MPR	
Frequency (MHz)				3475.02	3499.98	3525			
50	QPSK	1	1	19.75	19.71	19.71	20.7	0.0	
Channel				631334	633332	635332	20.7	MPR	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1	19.62	19.72	19.67	20.7	0.0	
Channel				631000	633332	635666	20.7	MPR	
Frequency (MHz)				3465	3499.98	3534.99			
30	QPSK	1	1	19.69	19.72	19.70	20.7	0.0	
Channel				630668	633332	636000	20.7	MPR	
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1	19.66	19.65	19.73	20.7	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				650000			20.7	0.0	
Frequency (MHz)				3750 3840 3930					
100	PI/2 BPSK	1	1	19.55	19.73	19.64	20.7	0.0	
100	PI/2 BPSK	1	137	19.63	19.62	19.54			
100	PI/2 BPSK	1	271	19.65	19.73	19.65			
100	PI/2 BPSK	135	0	19.65	19.75	19.59	20.7	0.0	
100	PI/2 BPSK	135	69	19.63	19.69	19.54	20.7	0.0	
100	PI/2 BPSK	135	138	19.64	19.67	19.53	20.7	0.0	
100	PI/2 BPSK	270	0	19.62	19.76	19.61			
100	QPSK	1	1	19.66	19.77	19.67	20.7	0.0	
100	QPSK	1	137	19.59	19.72	19.66			
100	QPSK	1	271	19.57	19.73	19.56			
100	QPSK	135	0	19.63	19.65	19.60	20.7	0.0	
100	QPSK	135	69	19.66	19.76	19.65	20.7	0.0	
100	QPSK	135	138	19.53	19.63	19.55	20.7	0.0	
100	QPSK	270	0	19.65	19.73	19.63			
100	16QAM	1	1	19.62	19.74	19.57	20.7	0.0	
100	64QAM	1	1	19.57	19.63	19.65	20.7	0.0	
100	256QAM	1	1	19.63	19.65	19.56	20.7	0.0	
Channel				649668	650000	650332	20.7	MPR	
Frequency (MHz)				3745.02	3840	3934.98			
90	QPSK	1	1	19.74	19.54	19.54	20.7	0.0	
Channel				649334	650000	650666	20.7	MPR	
Frequency (MHz)				3740.01	3840	3939.99			
80	QPSK	1	1	19.71	19.63	19.57	20.7	0.0	
Channel				648968	650000	650332	20.7	MPR	
Frequency (MHz)				3730.02	3840	3949.98			
60	QPSK	1	1	19.62	19.58	19.61	20.7	0.0	
Channel				648634	650000	650666	20.7	MPR	
Frequency (MHz)				3725.01	3840	3954.99			
50	QPSK	1	1	19.64	19.57	19.66	20.7	0.0	
Channel				648000	650000	650400	20.7	MPR	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	19.63	19.60	19.56	20.7	0.0	
Channel				647668	650000	650332	20.7	MPR	
Frequency (MHz)				3715.02	3840	3964.98			
30	QPSK	1	1	19.65	19.63	19.65	20.7	0.0	
Channel				647334	650000	650666	20.7	MPR	
Frequency (MHz)				3710.01	3840	3969.99			
20	QPSK	1	1	19.66	19.57	19.58	20.7	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				633332					
Frequency (MHz)				3499.98					
100	PI/2 BPSK	1	1	20.17			21.5	0.0	
100	PI/2 BPSK	1	137	20.08					
100	PI/2 BPSK	1	271	20.16					
100	PI/2 BPSK	135	0	20.15			21.5	0.0	
100	PI/2 BPSK	135	69	20.12			21.5	0.0	
100	PI/2 BPSK	135	138	20.05			21.5	0.0	
100	PI/2 BPSK	270	0	20.09					
100	QPSK	1	1	20.20					
100	QPSK	1	137	20.13			21.5	0.0	
100	QPSK	1	271	20.04					
100	QPSK	135	0	20.14			21.5	0.0	
100	QPSK	135	69	20.18			21.5	0.0	
100	QPSK	135	138	20.05			21.5	0.0	
100	QPSK	270	0	20.15					
100	16QAM	1	1	20.05			21.5	0.0	
100	64QAM	1	1	19.08			21.0	0.5	
100	256QAM	1	1	17.54			19.0	2.5	
Channel				633000	633332	633666	Tune-up limit	MPR	
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)	
90	QPSK	1	1	20.07	20.03	20.08	21.5	0.0	
Channel				632666	633332	634000	Tune-up limit	MPR	
Frequency (MHz)				3480.02	3499.98	3510	(dBm)	(dB)	
80	QPSK	1	1	20.03	20.10	20.17	21.5	0.0	
Channel				632000	633332	634666	Tune-up limit	MPR	
Frequency (MHz)				3480	3499.98	3519.99	(dBm)	(dB)	
60	QPSK	1	1	20.13	20.16	20.17	21.5	0.0	
Channel				631666	633332	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3499.98	3525	(dBm)	(dB)	
50	QPSK	1	1	20.07	20.08	20.13	21.5	0.0	
Channel				631334	633332	635332	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)	
40	QPSK	1	1	20.17	20.11	20.12	21.5	0.0	
Channel				631000	633332	635666	Tune-up limit	MPR	
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	(dB)	
30	QPSK	1	1	20.13	20.18	20.08	21.5	0.0	
Channel				630666	633332	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	1	20.15	20.04	20.16	21.5	0.0	

Part27O_n77_Ant 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	19.67	19.87	19.57	21.5	0.0	
100	PI/2 BPSK	1	137	19.72	19.78	19.87			
100	PI/2 BPSK	1	271	19.70	19.90	19.63			
100	PI/2 BPSK	135	0	19.63	19.86	19.55	21.5	0.0	
100	PI/2 BPSK	135	69	19.58	19.91	19.58	21.5	0.0	
100	PI/2 BPSK	135	138	19.60	19.81	19.58	21.5	0.0	
100	PI/2 BPSK	270	0	19.68	19.91	19.61			
100	QPSK	1	1	19.75	20.03	19.71			
100	QPSK	1	137	19.71	19.77	19.56	21.5	0.0	
100	QPSK	1	271	19.67	19.85	19.54			
100	QPSK	135	0	19.70	19.89	19.64	21.5	0.0	
100	QPSK	135	69	19.73	19.92	19.67	21.5	0.0	
100	QPSK	135	138	19.67	19.87	19.60	21.5	0.0	
100	QPSK	270	0	19.55	19.72	19.42			
100	16QAM	1	1	19.58	19.84	19.56	21.5	0.0	
100	64QAM	1	1	19.06	19.06	19.01	21.0	0.5	
100	256QAM	1	1	17.56	17.66	17.50	19.0	2.5	
Channel				649666	650000	650332	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3840	3934.98	(dBm)	(dB)	
90	QPSK	1	1	19.90	19.58	19.60	21.5	0.0	
Channel				649334	650000	650666	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3840	3939.99	(dBm)	(dB)	
80	QPSK	1	1	19.80	19.62	19.53	21.5	0.0	
Channel				648666	650000	650332	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3840	3949.98	(dBm)	(dB)	
60	QPSK	1	1	19.86	19.71	19.62	21.5	0.0	
Channel				648334	650000	650666	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3840	3954.99	(dBm)	(dB)	
50	QPSK	1	1	19.83	19.68	19.56	21.5	0.0	
Channel				648000	650000	6504000	Tune-up limit	MPR	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	QPSK	1	1	19.80	19.63	19.54	21.5	0.0	
Channel				647666	650000	650332	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3840	3964.98	(dBm)	(dB)	
30	QPSK	1	1	19.84	19.71	19.58	21.5	0.0	
Channel				647334	650000	650666	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3840	3969.99	(dBm)	(dB)	
20	QPSK	1	1	19.80	19.66	19.53	21.5	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332	3499.98				
Frequency (MHz)				17.91			19.0	0.0	
100	PI/2 BPSK	1	1	17.91					
100	PI/2 BPSK	1	137	17.96					
100	PI/2 BPSK	1	271	17.93					
100	PI/2 BPSK	135	0	17.93			19.0	0.0	
100	PI/2 BPSK	135	69	17.94			19.0	0.0	
100	PI/2 BPSK	135	138	17.93			19.0	0.0	
100	PI/2 BPSK	270	0	17.83					
100	QPSK	1	1	17.98					
100	QPSK	1	137	17.95			19.0	0.0	
100	QPSK	1	271	17.95					
100	QPSK	135	0	17.94			19.0	0.0	
100	QPSK	135	69	17.96			19.0	0.0	
100	QPSK	135	138	17.87			19.0	0.0	
100	QPSK	270	0	17.93					
100	16QAM	1	1	17.86			19.0	0.0	
100	64QAM	1	1	17.82			19.0	0.0	
100	256QAM	1	1	17.55			19.0	0.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.99			
90	QPSK	1	1	17.90	17.90	17.88	19.0	0.0	
Channel				632666	633332	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3499.98	3510			
80	QPSK	1	1	17.84	17.88	17.84	19.0	0.0	
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3499.98	3519.99			
60	QPSK	1	1	17.90	17.89	17.95	19.0	0.0	
Channel				631666	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525			
50	QPSK	1	1	17.85	17.89	17.86	19.0	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1	17.91	17.94	17.85	19.0	0.0	
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3499.98	3534.99			
30	QPSK	1	1	17.83	17.93	17.82	19.0	0.0	
Channel				630666	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1	17.84	17.83	17.86	19.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	17.56	17.72	17.62			
100	PI/2 BPSK	1	137	17.56	17.73	17.69			
100	PI/2 BPSK	1	271	17.64	17.65	17.67	19.0	0.0	
100	PI/2 BPSK	135	0	17.57	17.70	17.59	19.0	0.0	
100	PI/2 BPSK	135	69	17.60	17.73	17.54	19.0	0.0	
100	PI/2 BPSK	135	138	17.66	17.65	17.65	19.0	0.0	
100	PI/2 BPSK	270	0	17.63	17.64	17.57			
100	QPSK	1	1	17.73	17.93	17.70			
100	QPSK	1	137	17.63	17.62	17.62	19.0	0.0	
100	QPSK	1	271	17.60	17.68	17.56			
100	QPSK	135	0	17.61	17.66	17.60	19.0	0.0	
100	QPSK	135	69	17.71	17.76	17.69	19.0	0.0	
100	QPSK	135	138	17.64	17.74	17.58	19.0	0.0	
100	QPSK	270	0	17.70	17.72	17.65			
100	16QAM	1	1	17.63	17.73	17.67	19.0	0.0	
100	64QAM	1	1	17.63	17.75	17.57	19.0	0.0	
100	256QAM	1	1	17.49	17.47	17.44	19.0	0.0	
Channel				649666	656000	662332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3934.98			
90	QPSK	1	1	17.67	17.70	17.61	19.0	0.0	
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3939.99			
80	QPSK	1	1	17.61	17.57	17.63	19.0	0.0	
Channel				648666	656000	663332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3949.98			
60	QPSK	1	1	17.62	17.60	17.58	19.0	0.0	
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3954.99			
50	QPSK	1	1	17.68	17.57	17.59	19.0	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	17.71	17.58	17.59	19.0	0.0	
Channel				647666	656000	664332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3964.98			
30	QPSK	1	1	17.71	17.56	17.67	19.0	0.0	
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3969.99			
20	QPSK	1	1	17.64	17.67	17.61	19.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mode Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332	3499.98				
Frequency (MHz)				16.49					
100	PI/2 BPSK	1	1	16.49			17.5	0.0	
100	PI/2 BPSK	1	137	16.42					
100	PI/2 BPSK	1	271	16.41					
100	PI/2 BPSK	135	0	16.38			17.5	0.0	
100	PI/2 BPSK	135	69	16.38			17.5	0.0	
100	PI/2 BPSK	135	138	16.38			17.5	0.0	
100	PI/2 BPSK	270	0	16.37					
100	QPSK	1	1	16.52					
100	QPSK	1	137	16.42			17.5	0.0	
100	QPSK	1	271	16.37					
100	QPSK	135	0	16.38				17.5	
100	QPSK	135	69	16.50			17.5	0.0	
100	QPSK	135	138	16.45			17.5	0.0	
100	QPSK	270	0	16.49					
100	16QAM	1	1	16.48			17.5	0.0	
100	64QAM	1	1	16.45			17.5	0.0	
100	256QAM	1	1	16.37			17.5	0.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.99			
90	QPSK	1	1	16.47	16.43	16.39	17.5	0.0	
Channel				632666	633332	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3499.98	3510			
80	QPSK	1	1	16.48	16.37	16.42	17.5	0.0	
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3499.98	3519.99			
60	QPSK	1	1	16.37	16.41	16.40	17.5	0.0	
Channel				631666	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525			
50	QPSK	1	1	16.39	16.37	16.36	17.5	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1	16.47	16.35	16.44	17.5	0.0	
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3499.98	3534.99			
30	QPSK	1	1	16.42	16.41	16.49	17.5	0.0	
Channel				630666	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1	16.44	16.44	16.46	17.5	0.0	

Part27O_n77_Ant 9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mode Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	652000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	16.10	16.14	15.96	17.5	0.0	
100	PI/2 BPSK	1	137	16.00	16.13	16.06			
100	PI/2 BPSK	1	271	16.06	16.16	15.97			
100	PI/2 BPSK	135	0	16.09	16.18	16.01	17.5	0.0	
100	PI/2 BPSK	135	69	16.01	16.14	15.97	17.5	0.0	
100	PI/2 BPSK	135	138	16.08	16.16	16.07	17.5	0.0	
100	PI/2 BPSK	270	0	15.97	16.13	16.07			
100	QPSK	1	1	16.12	16.25	16.01			
100	QPSK	1	137	16.07	16.22	16.05	17.5	0.0	
100	QPSK	1	271	16.05	16.21	16.07			
100	QPSK	135	0	15.96	16.13	16.05		17.5	
100	QPSK	135	69	16.11	16.25	16.10	17.5	0.0	
100	QPSK	135	138	15.98	16.24	15.99	17.5	0.0	
100	QPSK	270	0	16.10	16.23	16.08			
100	16QAM	1	1	16.03	16.18	16.00	17.5	0.0	
100	64QAM	1	1	16.07	16.20	16.04	17.5	0.0	
100	256QAM	1	1	16.02	16.11	16.02	17.5	0.0	
Channel				649666	650000	650332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3934.98			
90	QPSK	1	1	16.14	15.99	15.99	17.5	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3939.99			
80	QPSK	1	1	16.19	16.03	16.05	17.5	0.0	
Channel				648666	650000	650332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3949.98			
60	QPSK	1	1	16.13	16.05	16.09	17.5	0.0	
Channel				648334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3954.99			
50	QPSK	1	1	16.20	15.97	16.01	17.5	0.0	
Channel				648000	650000	6504000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	16.19	16.04	16.01	17.5	0.0	
Channel				647666	650000	650332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3964.98			
30	QPSK	1	1	16.23	16.10	16.09	17.5	0.0	
Channel				647334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3969.99			
20	QPSK	1	1	16.21	15.97	15.95	17.5	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633332	633666	Tune-up limit	MPR	
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)	
100	PI/2 BPSK	1	1	19.69	19.69	19.67	20.7	0.0	
100	PI/2 BPSK	1	137	19.65	19.74	19.65	20.7	0.0	
100	PI/2 BPSK	1	271	19.65	19.65	19.65	20.7	0.0	
100	PI/2 BPSK	135	0	19.74	19.65	19.65	20.7	0.0	
100	PI/2 BPSK	135	69	19.65	19.61	19.61	20.7	0.0	
100	PI/2 BPSK	135	138	19.61	19.65	19.65	20.7	0.0	
100	PI/2 BPSK	270	0	19.65	19.74	19.65	20.7	0.0	
100	QPSK	1	1	19.75	19.75	19.75	20.7	0.0	
100	QPSK	1	137	19.75	19.75	19.75	20.7	0.0	
100	QPSK	1	271	19.75	19.75	19.75	20.7	0.0	
100	QPSK	135	0	19.68	19.68	19.68	20.7	0.0	
100	QPSK	135	69	19.76	19.76	19.76	20.7	0.0	
100	QPSK	135	138	19.63	19.63	19.63	20.7	0.0	
100	QPSK	270	0	19.73	19.73	19.73	20.7	0.0	
100	16QAM	1	1	19.64	19.64	19.64	20.7	0.0	
100	16QAM	1	1	19.74	19.74	19.74	20.7	0.0	
100	256QAM	1	1	19.62	19.62	19.62	20.7	0.0	
Channel				633000	633332	633666	Tune-up limit	MPR	
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)	
90	QPSK	1	1	19.69	19.69	19.67	20.7	0.0	
Channel				633666	633332	633000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3499.98	3510	(dBm)	(dB)	
80	QPSK	1	1	19.75	19.71	19.75	20.7	0.0	
Channel				632000	633332	634666	Tune-up limit	MPR	
Frequency (MHz)				3480	3499.98	3519.99	(dBm)	(dB)	
60	QPSK	1	1	19.66	19.72	19.68	20.7	0.0	
Channel				631666	633332	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3499.98	3525	(dBm)	(dB)	
50	QPSK	1	1	19.67	19.74	19.72	20.7	0.0	
Channel				631334	633332	635332	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)	
40	QPSK	1	1	19.61	19.67	19.64	20.7	0.0	
Channel				631000	633332	635666	Tune-up limit	MPR	
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	(dB)	
30	QPSK	1	1	19.61	19.65	19.74	20.7	0.0	
Channel				630668	633332	638000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	1	19.64	19.66	19.63	20.7	0.0	

Part27O_n78_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000	Tune-up limit	MPR	
Frequency (MHz)				3750	3750	3750	(dBm)	(dB)	
100	PI/2 BPSK	1	1	19.72	19.72	19.72	20.7	0.0	
100	PI/2 BPSK	1	137	19.74	19.74	19.74	20.7	0.0	
100	PI/2 BPSK	1	271	19.62	19.62	19.62	20.7	0.0	
100	PI/2 BPSK	135	0	19.62	19.62	19.62	20.7	0.0	
100	PI/2 BPSK	135	69	19.62	19.62	19.62	20.7	0.0	
100	PI/2 BPSK	135	138	19.63	19.63	19.63	20.7	0.0	
100	PI/2 BPSK	270	0	19.65	19.65	19.65	20.7	0.0	
100	QPSK	1	1	19.73	19.73	19.73	20.7	0.0	
100	QPSK	1	137	19.73	19.73	19.73	20.7	0.0	
100	QPSK	1	271	19.65	19.65	19.65	20.7	0.0	
100	QPSK	135	0	19.67	19.67	19.67	20.7	0.0	
100	QPSK	135	69	19.75	19.75	19.75	20.7	0.0	
100	QPSK	135	138	19.69	19.69	19.69	20.7	0.0	
100	QPSK	270	0	19.73	19.73	19.73	20.7	0.0	
100	16QAM	1	1	19.66	19.66	19.66	20.7	0.0	
100	16QAM	1	1	19.89	19.89	19.89	20.7	0.0	
100	256QAM	1	1	19.72	19.72	19.72	20.7	0.0	
Channel				649668	650000	650332	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)	
90	QPSK	1	1	19.72	19.70	19.64	20.7	0.0	
Channel				649334	650000	650666	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)	
80	QPSK	1	1	19.69	19.68	19.63	20.7	0.0	
Channel				648968	650000	651332	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)	
60	QPSK	1	1	19.70	19.74	19.74	20.7	0.0	
Channel				648334	650000	651666	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)	
50	QPSK	1	1	19.63	19.73	19.67	20.7	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	19.72	19.69	19.73	20.7	0.0	
Channel				647668	650000	652332	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)	
30	QPSK	1	1	19.73	19.63	19.71	20.7	0.0	
Channel				647334	650000	652666	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)	
20	QPSK	1	1	19.67	19.60	19.65	20.7	0.0	

Part27Q_n78_Ant 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633332	633666	Tune-up limit	MPR	
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)	
100	PI/2 BPSK	1	1	16.90			18.5	0.0	
100	PI/2 BPSK	1	137	16.95					
100	PI/2 BPSK	1	271	16.95					
100	PI/2 BPSK	135	0	16.88			18.5	0.0	
100	PI/2 BPSK	135	69	16.82			18.5	0.0	
100	PI/2 BPSK	135	138	16.88			18.5	0.0	
100	PI/2 BPSK	270	0	16.91					
100	QPSK	1	1	16.98					
100	QPSK	1	137	16.90			18.5	0.0	
100	QPSK	1	271	16.88					
100	QPSK	135	0	16.82			18.5	0.0	
100	QPSK	135	69	16.96			18.5	0.0	
100	QPSK	135	138	16.92			18.5	0.0	
100	QPSK	270	0	16.93					
100	16QAM	1	1	16.90			18.5	0.0	
100	16QAM	1	1	16.93			18.5	0.0	
100	256QAM	1	1	16.85			18.5	0.0	
Channel				633000	633332	633666	Tune-up limit	MPR	
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)	
90	QPSK	1	1	16.91	16.83	16.85	18.5	0.0	
Channel				632666	633332	634000	Tune-up limit	MPR	
Frequency (MHz)				3480.02	3499.98	3510	(dBm)	(dB)	
80	QPSK	1	1	16.93	16.82	16.91	18.5	0.0	
Channel				632000	633332	634666	Tune-up limit	MPR	
Frequency (MHz)				3480	3499.98	3519.99	(dBm)	(dB)	
60	QPSK	1	1	16.93	16.90	16.85	18.5	0.0	
Channel				631666	633332	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3499.98	3525	(dBm)	(dB)	
50	QPSK	1	1	16.88	16.95	16.90	18.5	0.0	
Channel				631334	633332	635332	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)	
40	QPSK	1	1	16.91	16.83	16.83	18.5	0.0	
Channel				631000	633332	635666	Tune-up limit	MPR	
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	(dB)	
30	QPSK	1	1	16.90	16.91	16.89	18.5	0.0	
Channel				630666	633332	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)	
20	QPSK	1	1	16.87	16.87	16.84	18.5	0.0	

Part27O_n78_Ant 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000	Tune-up limit	MPR	
Frequency (MHz)				3750			(dBm)	(dB)	
100	PI/2 BPSK	1	1	17.01			18.5	0.0	
100	PI/2 BPSK	1	137	16.98					
100	PI/2 BPSK	1	271	16.95					
100	PI/2 BPSK	135	0	16.99			18.5	0.0	
100	PI/2 BPSK	135	69	16.94			18.5	0.0	
100	PI/2 BPSK	135	138	16.89			18.5	0.0	
100	PI/2 BPSK	270	0	16.95					
100	QPSK	1	1	17.05					
100	QPSK	1	137	16.96			18.5	0.0	
100	QPSK	1	271	16.94					
100	QPSK	135	0	16.95			18.5	0.0	
100	QPSK	135	69	17.03			18.5	0.0	
100	QPSK	135	138	16.98			18.5	0.0	
100	QPSK	270	0	17.01					
100	16QAM	1	1	16.98			18.5	0.0	
100	16QAM	1	1	16.95			18.5	0.0	
100	256QAM	1	1	16.92			18.5	0.0	
Channel				649666	650000	650332	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)	
90	QPSK	1	1	16.88	16.96	16.93	18.5	0.0	
Channel				649334	650000	650666	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)	
80	QPSK	1	1	16.90	16.98	16.90	18.5	0.0	
Channel				648666	650000	651332	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)	
60	QPSK	1	1	16.89	16.98	16.89	18.5	0.0	
Channel				648334	650000	651666	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)	
50	QPSK	1	1	16.92	16.93	17.00	18.5	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	16.95	16.90	16.98	18.5	0.0	
Channel				647666	650000	652332	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)	
30	QPSK	1	1	16.91	16.91	16.92	18.5	0.0	
Channel				647334	650000	652666	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)	
20	QPSK	1	1	17.02	16.95	16.91	18.5	0.0	

Part27Q_n78_Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332			17.5	0.0	
Frequency (MHz)				3499.98					
100	PI/2 BPSK	1	1	16.25					
100	PI/2 BPSK	1	137	16.30					
100	PI/2 BPSK	1	271	16.24			17.5	0.0	
100	PI/2 BPSK	135	0	16.27					
100	PI/2 BPSK	135	69	16.23					
100	PI/2 BPSK	135	138	16.31					
100	PI/2 BPSK	270	0	16.30			17.5	0.0	
100	QPSK	1	1	16.38					
100	QPSK	1	137	16.22					
100	QPSK	1	271	16.21					
100	QPSK	135	0	16.24			17.5	0.0	
100	QPSK	135	69	16.36					
100	QPSK	135	138	16.26					
100	QPSK	270	0	16.33					
100	16QAM	1	1	16.24			17.5	0.0	
100	16QAM	1	1	16.33					
100	256QAM	1	1	16.34					
100	256QAM	1	1						
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.99			
90	QPSK	1	1	16.21	16.22	16.28	17.5	0.0	
Channel				632666	633332	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3499.98	3510			
80	QPSK	1	1	16.34	16.31	16.21	17.5	0.0	
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3499.98	3519.99			
60	QPSK	1	1	16.25	16.30	16.22	17.5	0.0	
Channel				631666	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525			
50	QPSK	1	1	16.33	16.29	16.35	17.5	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1	16.24	16.26	16.23	17.5	0.0	
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3499.98	3534.99			
30	QPSK	1	1	16.26	16.33	16.25	17.5	0.0	
Channel				630666	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1	16.27	16.26	16.35	17.5	0.0	

Part27O_n78_Ant 7												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				650000			17.5	0.0				
Frequency (MHz)				3750								
100	PI/2 BPSK	1	1	16.18						17.5	0.0	
100	PI/2 BPSK	1	137	16.10								
100	PI/2 BPSK	1	271	16.10								
100	PI/2 BPSK	135	0	16.16								
100	PI/2 BPSK	135	69	16.10			17.5	0.0				
100	PI/2 BPSK	135	138	16.20			17.5	0.0				
100	PI/2 BPSK	270	0	16.08			17.5	0.0				
100	QPSK	1	1	16.25								
100	QPSK	1	137	16.18								
100	QPSK	1	271	16.21								
100	QPSK	135	0	16.22			17.5	0.0				
100	QPSK	135	69	16.23			17.5	0.0				
100	QPSK	135	138	16.19			17.5	0.0				
100	QPSK	270	0	16.21								
100	16QAM	1	1	16.15								
100	16QAM	1	1	16.12								
100	256QAM	1	1	16.09			17.5	0.0				
Channel				649666	650000	650332	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3745.02	3750	3754.98						
90	QPSK	1	1	16.21	16.21	16.13	17.5	0.0				
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3740.01	3750	3759.99						
80	QPSK	1	1	16.11	16.17	16.12	17.5	0.0				
Channel				648666	650000	651332	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3730.02	3750	3769.98						
60	QPSK	1	1	16.13	16.13	16.18	17.5	0.0				
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3725.01	3750	3774.99						
50	QPSK	1	1	16.13	16.19	16.14	17.5	0.0				
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3720	3750	3780						
40	QPSK	1	1	16.10	16.18	16.21	17.5	0.0				
Channel				647666	650000	652332	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3715.02	3750	3784.98						
30	QPSK	1	1	16.22	16.19	16.12	17.5	0.0				
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3710.01	3750	3789.99						
20	QPSK	1	1	16.21	16.20	16.21	17.5	0.0				

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332			14.5	0.0	
Frequency (MHz)				3499.98					
100	PI/2 BPSK	1	1	13.44					
100	PI/2 BPSK	1	137	13.33					
100	PI/2 BPSK	1	271	13.46			14.5	0.0	
100	PI/2 BPSK	135	0	13.42					
100	PI/2 BPSK	135	69	13.32					
100	PI/2 BPSK	135	138	13.44					
100	PI/2 BPSK	270	0	13.33			14.5	0.0	
100	QPSK	1	1	13.48					
100	QPSK	1	137	13.34					
100	QPSK	1	271	13.43					
100	QPSK	135	0	13.39			14.5	0.0	
100	QPSK	135	69	13.47					
100	QPSK	135	138	13.33					
100	QPSK	270	0	13.45					
100	16QAM	1	1	13.37			14.5	0.0	
100	16QAM	1	1	13.40					
100	256QAM	1	1	13.43					
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.99			
90	QPSK	1	1	13.42	13.36	13.45	14.5	0.0	
Channel				632666	633332	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3499.98	3510			
80	QPSK	1	1	13.40	13.39	13.44	14.5	0.0	
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3499.98	3519.99			
60	QPSK	1	1	13.33	13.44	13.35	14.5	0.0	
Channel				631666	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525			
50	QPSK	1	1	13.34	13.32	13.44	14.5	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1	13.39	13.37	13.35	14.5	0.0	
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3499.98	3534.99			
30	QPSK	1	1	13.42	13.33	13.43	14.5	0.0	
Channel				630666	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1	13.33	13.46	13.36	14.5	0.0	

Part27O_n78_Ant 9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				3750			14.5	0.0	
Frequency (MHz)				650000					
100	PI/2 BPSK	1	1	13.42					
100	PI/2 BPSK	1	137	13.43					
100	PI/2 BPSK	1	271	13.40			14.5	0.0	
100	PI/2 BPSK	135	0	13.44					
100	PI/2 BPSK	135	69	13.45					
100	PI/2 BPSK	135	138	13.45					
100	PI/2 BPSK	270	0	13.52			14.5	0.0	
100	QPSK	1	1	13.57					
100	QPSK	1	137	13.46					
100	QPSK	1	271	13.50					
100	QPSK	135	0	13.46			14.5	0.0	
100	QPSK	135	69	13.55					
100	QPSK	135	138	13.42					
100	QPSK	270	0	13.53					
100	16QAM	1	1	13.44			14.5	0.0	
100	16QAM	1	1	13.51					
100	256QAM	1	1	13.44					
Channel				649666	650000	650332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98			
90	QPSK	1	1	13.48	13.42	13.49	14.5	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99			
80	QPSK	1	1	13.45	13.42	13.40	14.5	0.0	
Channel				648666	650000	651332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98			
60	QPSK	1	1	13.51	13.46	13.44	14.5	0.0	
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99			
50	QPSK	1	1	13.40	13.41	13.51	14.5	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	13.43	13.49	13.43	14.5	0.0	
Channel				647666	650000	652332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3784.98			
30	QPSK	1	1	13.45	13.50	13.54	14.5	0.0	
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99			
20	QPSK	1	1	13.40	13.49	13.53	14.5	0.0	

Reduced Power Mode for ECI5

n41_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PV2 BPSK	1	1	18.57	18.54	18.52			
50	PV2 BPSK	1	67	18.64	18.56	18.62	19.7	0.0	
50	PV2 BPSK	1	131	18.57	18.56	18.48			
50	PV2 BPSK	64	0	18.52	18.52	18.56	19.7	0.0	
50	PV2 BPSK	64	35	18.60	18.54	18.55	19.7	0.0	
50	PV2 BPSK	64	69	18.59	18.64	18.53			
50	PV2 BPSK	128	0	18.52	18.63	18.48	19.7	0.0	
50	QPSK	1	1	18.66	18.68	18.65			
50	QPSK	1	67	18.54	18.66	18.51	19.7	0.0	
50	QPSK	1	131	18.62	18.59	18.58			
50	QPSK	64	0	18.52	18.56	18.51	19.7	0.0	
50	QPSK	64	35	18.65	18.67	18.63	19.7	0.0	
50	QPSK	64	69	18.63	18.65	18.54			
50	QPSK	128	0	18.63	18.65	18.61	19.7	0.0	
50	16QAM	1	1	18.56	18.59	18.48	19.7	0.0	
50	16QAM	1	1	18.61	18.61	18.62	19.7	0.0	
50	256QAM	1	1	18.50	18.59	18.54	19.7	0.0	
Channel				502200	518598	534998	Tune-up limit	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)	
30	QPSK	1	1	18.60	18.60	18.50	19.7	0.0	
Channel				501204	518598	535998	Tune-up limit	MPR	
Frequency (MHz)				2508.02	2592.99	2678.99	(dBm)	(dB)	
20	QPSK	1	1	18.51	18.61	18.59	19.7	0.0	

n41_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PV2 BPSK	1	1	21.41	21.49	21.40			
50	PV2 BPSK	1	67	21.44	21.50	21.37	23.0	0.0	
50	PV2 BPSK	1	131	21.35	21.40	21.42			
50	PV2 BPSK	64	0	21.45	21.46	21.46	23.0	0.0	
50	PV2 BPSK	64	35	21.35	21.50	21.47	23.0	0.0	
50	PV2 BPSK	64	69	21.37	21.44	21.46			
50	PV2 BPSK	128	0	21.37	21.44	21.39	23.0	0.0	
50	QPSK	1	1	21.53	21.56	21.51			
50	QPSK	1	67	21.42	21.41	21.46	23.0	0.0	
50	QPSK	1	131	21.35	21.44	21.41			
50	QPSK	64	0	21.38	21.39	21.44	23.0	0.0	
50	QPSK	64	35	21.50	21.53	21.49	23.0	0.0	
50	QPSK	64	69	21.44	21.47	21.39			
50	QPSK	128	0	21.48	21.51	21.47	23.0	0.0	
50	16QAM	1	1	21.37	21.43	21.39	23.0	0.0	
50	16QAM	1	1	20.66	20.61	20.71	22.5	0.5	
50	256QAM	1	1	19.12	19.23	19.16	20.5	2.5	
Channel				502200	518598	534998	Tune-up limit	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)	
30	QPSK	1	1	21.38	21.43	21.44	23.0	0.0	
Channel				501204	518598	535998	Tune-up limit	MPR	
Frequency (MHz)				2508.02	2592.99	2678.99	(dBm)	(dB)	
20	QPSK	1	1	21.36	21.50	21.38	23.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504204	518598	532998	22.7	0.0	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI/2 BPSK	1	1	21.50	21.66	21.56	22.7	0.0	
50	PI/2 BPSK	1	67	21.52	21.61	21.49			
50	PI/2 BPSK	1	131	21.56	21.67	21.57			
50	PI/2 BPSK	64	0	21.53	21.61	21.60			
50	PI/2 BPSK	64	35	21.50	21.59	21.56	22.7	0.0	
50	PI/2 BPSK	64	69	21.57	21.62	21.53	22.7	0.0	
50	PI/2 BPSK	128	0	21.59	21.67	21.59			
50	QPSK	1	1	21.66	22.00	21.65	22.7	0.0	
50	QPSK	1	67	21.56	21.61	21.55			
50	QPSK	1	131	21.56	21.56	21.55			
50	QPSK	64	0	21.57	21.61	21.57			
50	QPSK	64	35	21.65	21.59	21.63	22.7	0.0	
50	QPSK	64	69	21.54	21.63	21.50	22.7	0.0	
50	QPSK	128	0	21.63	21.96	21.61			
50	16QAM	1	1	21.63	21.64	21.53	22.7	0.0	
50	64QAM	1	1	21.53	21.66	21.54	22.7	0.0	
50	256QAM	1	1	20.17	20.20	20.23	21.2	1.5	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	22.7	0.0	
30	QPSK	1	1	21.57	21.72	21.61			
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2674.99	22.7	0.0	
20	QPSK	1	1	21.64	21.64	21.56			

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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				504204	518598	532998	22.7	0.0	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI/2 BPSK	1	1	17.99	18.01	18.09	19.5	0.0	
50	PI/2 BPSK	1	67	18.03	18.06	18.07			
50	PI/2 BPSK	1	131	18.00	18.10	18.04			
50	PI/2 BPSK	64	0	18.04	18.02	18.04			
50	PI/2 BPSK	64	35	17.98	18.06	18.03	19.5	0.0	
50	PI/2 BPSK	64	69	17.98	18.09	18.07	19.5	0.0	
50	PI/2 BPSK	128	0	18.00	18.05	17.99			
50	QPSK	1	1	18.13	18.15	18.11	19.5	0.0	
50	QPSK	1	67	18.01	18.01	18.06			
50	QPSK	1	131	18.06	18.06	17.98			
50	QPSK	64	0	18.08	18.10	17.98			
50	QPSK	64	35	18.11	18.13	18.10	19.5	0.0	
50	QPSK	64	69	18.08	18.07	18.07	19.5	0.0	
50	QPSK	128	0	18.10	18.11	18.08			
50	16QAM	1	1	17.96	18.00	18.06	19.5	0.0	
50	64QAM	1	1	18.01	18.01	17.98	19.5	0.0	
50	256QAM	1	1	18.05	18.07	18.06	19.5	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	19.5	0.0	
30	QPSK	1	1	18.00	18.09	18.03			
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2674.99	19.5	0.0	
20	QPSK	1	1	18.05	18.12	18.07			

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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				633332					
Frequency (MHz)				3499.98					
100	PI/2 BPSK	1	1		16.74				
100	PI/2 BPSK	1	137		16.62		17.7	0.0	
100	PI/2 BPSK	1	271		16.65				
100	PI/2 BPSK	135	0		16.65		17.7	0.0	
100	PI/2 BPSK	135	69		16.75		17.7	0.0	
100	PI/2 BPSK	135	138		16.72		17.7	0.0	
100	PI/2 BPSK	270	0		16.64				
100	QPSK	1	1		17.10				
100	QPSK	1	137		16.62		17.7	0.0	
100	QPSK	1	271		16.71				
100	QPSK	135	0		16.62		17.7	0.0	
100	QPSK	135	69		17.08		17.7	0.0	
100	QPSK	135	138		16.74		17.7	0.0	
100	QPSK	270	0		17.05				
100	16QAM	1	1		16.68		17.7	0.0	
100	64QAM	1	1		16.72		17.7	0.0	
100	256QAM	1	1		16.69		17.7	0.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.99			
90	QPSK	1	1		16.63	16.65	16.62	17.7	
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3499.98	3510			
80	QPSK	1	1		16.69	16.74	16.73	17.7	
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3499.98	3519.99			
60	QPSK	1	1		16.71	16.67	16.71	17.7	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525			
50	QPSK	1	1		16.62	16.72	16.65	17.7	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1		16.66	16.74	16.61	17.7	
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3499.98	3534.99			
30	QPSK	1	1		16.75	16.64	16.63	17.7	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1		16.62	16.72	16.67	17.7	

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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	652000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1		16.60	16.64	16.57		
100	PI/2 BPSK	1	137		16.54	16.72	16.59	17.7	
100	PI/2 BPSK	1	271		16.54	16.60	16.50		
100	PI/2 BPSK	135	0		16.61	16.61	16.62	17.7	
100	PI/2 BPSK	135	69		16.51	16.62	16.62	17.7	
100	PI/2 BPSK	135	138		16.55	16.72	16.54	17.7	
100	PI/2 BPSK	270	0		16.63	16.68	16.64		
100	QPSK	1	1		16.68	16.76	16.67		
100	QPSK	1	137		16.51	16.71	16.50	17.7	
100	QPSK	1	271		16.62	16.70	16.52		
100	QPSK	135	0		16.57	16.70	16.58	17.7	
100	QPSK	135	69		16.66	16.75	16.65	17.7	
100	QPSK	135	138		16.55	16.61	16.63	17.7	
100	QPSK	270	0		16.65	16.73	16.63		
100	16QAM	1	1		16.61	16.71	16.62	17.7	
100	64QAM	1	1		16.57	16.65	16.64	17.7	
100	256QAM	1	1		16.53	16.61	16.58	17.7	
Channel				648668	650000	652332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3934.98			
90	QPSK	1	1		16.61	16.63	16.54	17.7	
Channel				648334	650000	652666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3939.99			
80	QPSK	1	1		16.73	16.54	16.55	17.7	
Channel				648668	650000	653332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3949.98			
60	QPSK	1	1		16.61	16.63	16.59	17.7	
Channel				648334	650000	653666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3954.99			
50	QPSK	1	1		16.60	16.59	16.61	17.7	
Channel				648000	650000	654000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1		16.66	16.62	16.62	17.7	
Channel				647668	650000	654332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3721.02	3840	3954.98			
30	QPSK	1	1		16.68	16.62	16.61	17.7	
Channel				647334	650000	654666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3969.99			
20	QPSK	1	1		16.70	16.59	16.62	17.7	

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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				633332					
Frequency (MHz)				3499.98					
100	PI/2 BPSK	1	1		17.05		18.5	0.0	
100	PI/2 BPSK	1	137		17.09				
100	PI/2 BPSK	1	271		17.11				
100	PI/2 BPSK	135	0		17.05		18.5	0.0	
100	PI/2 BPSK	135	69		17.06		18.5	0.0	
100	PI/2 BPSK	135	138		17.12		18.5	0.0	
100	PI/2 BPSK	270	0		17.17				
100	QPSK	1	1		17.20				
100	QPSK	1	137		17.08		18.5	0.0	
100	QPSK	1	271		17.17				
100	QPSK	135	0		17.15				
100	QPSK	135	69		17.18		18.5	0.0	
100	QPSK	135	138		17.07		18.5	0.0	
100	QPSK	270	0		17.16				
100	16QAM	1	1		17.03				
100	64QAM	1	1		17.07		18.5	0.0	
100	256QAM	1	1		17.04		18.5	0.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.99			
90	QPSK	1	1		17.09	17.12	17.08	18.5	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3499.98	3510			
80	QPSK	1	1		17.09	17.14	17.03	18.5	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3499.98	3519.99			
60	QPSK	1	1		17.05	17.14	17.09	18.5	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525			
50	QPSK	1	1		17.13	17.13	17.17	18.5	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1		17.08	17.12	17.06	18.5	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3499.98	3531.99			
30	QPSK	1	1		17.14	17.13	17.04	18.5	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1		17.08	17.15	17.15	18.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 662000	Tune-up limit (dBm)	MPR (dB)	
Channel				3750	3840	3930			
Frequency (MHz)									
100	Pi/2 BPSK	1	1	16.66	16.88	16.56	18.5	0.0	
100	Pi/2 BPSK	1	137	16.69	16.95	16.52			
100	Pi/2 BPSK	1	271	16.70	16.94	16.52			
100	Pi/2 BPSK	135	0	16.62	17.01	16.55	18.5	0.0	
100	Pi/2 BPSK	135	69	16.64	16.97	16.63	18.5	0.0	
100	Pi/2 BPSK	135	138	16.68	16.97	16.61	18.5	0.0	
100	Pi/2 BPSK	270	0	16.65	17.00	16.54			
100	QPSK	1	1	16.76	17.06	16.68			
100	QPSK	1	137	16.63	16.91	16.65	18.5	0.0	
100	QPSK	1	271	16.69	16.93	16.61			
100	QPSK	135	0	16.66	16.92	16.65			
100	QPSK	135	69	16.75	17.03	16.69	18.5	0.0	
100	QPSK	135	138	16.71	17.00	16.56	18.5	0.0	
100	QPSK	270	0	16.73	17.01	16.63			
100	16QAM	1	1	16.69	17.01	16.55			
100	64QAM	1	1	16.70	17.00	16.55	18.5	0.0	
100	256QAM	1	1	16.68	16.96	16.80	18.5	0.0	
Channel				648668	650000	662332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3934.98			
90	QPSK	1	1	16.91	16.62	16.64	18.5	0.0	
Channel				649334	650000	662666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3939.99			
80	QPSK	1	1	16.89	16.66	16.55	18.5	0.0	
Channel				648668	650000	663332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3949.98			
60	QPSK	1	1	16.96	16.60	16.64	18.5	0.0	
Channel				648334	650000	663666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3954.99			
50	QPSK	1	1	16.90	16.63	16.65	18.5	0.0	
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	16.98	16.74	16.54	18.5	0.0	
Channel				647668	650000	664332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3964.98			
30	QPSK	1	1	16.91	16.73	16.54	18.5	0.0	
Channel				647334	650000	664666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3969.99			
20	QPSK	1	1	16.93	16.71	16.51	18.5	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				3499.98		633332				
Frequency (MHz)				16.84						
100	PI/2 BPSK	1	1		16.84		18.0		0.0	
100	PI/2 BPSK	1	137		16.93					
100	PI/2 BPSK	1	271		16.82					
100	PI/2 BPSK	135	0		16.89		18.0		0.0	
100	PI/2 BPSK	135	69		16.90		18.0		0.0	
100	PI/2 BPSK	135	138		16.89		18.0		0.0	
100	PI/2 BPSK	270	0		16.95					
100	QPSK	1	1		16.98					
100	QPSK	1	137		16.94		18.0		0.0	
100	QPSK	1	271		16.96					
100	QPSK	135	0		16.89					
100	QPSK	135	69		16.96		18.0		0.0	
100	QPSK	135	138		16.93		18.0		0.0	
100	QPSK	270	0		16.95					
100	16QAM	1	1		16.82					
100	64QAM	1	1		16.94		18.0		0.0	
100	256QAM	1	1		16.84		18.0		0.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3495	3499.98	3504.99				
90	QPSK	1	1		16.86	16.90	16.86	18.0	0.0	
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3490.02	3499.98	3510				
80	QPSK	1	1		16.90	16.85	16.81	18.0	0.0	
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3480	3499.98	3519.99				
60	QPSK	1	1		16.93	16.93	16.85	18.0	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3475.02	3499.98	3525				
50	QPSK	1	1		16.87	16.95	16.94	18.0	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3470.01	3499.98	3529.98				
40	QPSK	1	1		16.91	16.88	16.91	18.0	0.0	
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3475.02	3499.98	3534.99				
30	QPSK	1	1		16.83	16.89	16.89	18.0	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3460.02	3499.98	3540				
20	QPSK	1	1		16.91	16.92	16.89	18.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 662000	Tune-up limit (dBm)	MPR (dB)	
Channel				3750	3840	3930			
Frequency (MHz)									
100	PI/2 BPSK	1	1	16.68	16.86	16.57	18.0	0.0	
100	PI/2 BPSK	1	137	16.67	16.82	16.59			
100	PI/2 BPSK	1	271	16.61	16.77	16.57			
100	PI/2 BPSK	135	0	16.57	16.85	16.60	18.0	0.0	
100	PI/2 BPSK	135	69	16.61	16.83	16.66	18.0	0.0	
100	PI/2 BPSK	135	138	16.60	16.77	16.63	18.0	0.0	
100	PI/2 BPSK	270	0	16.69	16.83	16.61			
100	QPSK	1	1	16.73	16.91	16.70	18.0	0.0	
100	QPSK	1	137	16.64	16.81	16.54			
100	QPSK	1	271	16.59	16.83	16.60			
100	QPSK	135	0	16.63	16.81	16.64	18.0	0.0	
100	QPSK	135	69	16.71	16.89	16.68	18.0	0.0	
100	QPSK	135	138	16.63	16.84	16.65	18.0	0.0	
100	QPSK	270	0	16.70	16.87	16.66			
100	16QAM	1	1	16.60	16.79	16.66	18.0	0.0	
100	64QAM	1	1	16.65	16.85	16.66	18.0	0.0	
100	256QAM	1	1	16.64	16.85	16.62	18.0	0.0	
Channel				648668	650000	662332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3934.98			
90	QPSK	1	1	16.87	16.57	16.62	18.0	0.0	
Channel				649334	650000	662666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3939.99			
80	QPSK	1	1	16.85	16.64	16.61	18.0	0.0	
Channel				648668	650000	663332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3949.98			
60	QPSK	1	1	16.79	16.68	16.67	18.0	0.0	
Channel				648334	650000	663666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3954.99			
50	QPSK	1	1	16.84	16.63	16.59	18.0	0.0	
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	16.78	16.61	16.53	18.0	0.0	
Channel				647668	650000	664332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3954.98			
30	QPSK	1	1	16.83	16.64	16.54	18.0	0.0	
Channel				647334	650000	664666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3969.99			
20	QPSK	1	1	16.80	16.67	16.61	18.0	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				633332						
Frequency (MHz)				3499.98						
100	PI/2 BPSK	1	1		15.99		17.0	0.0		
100	PI/2 BPSK	1	137		15.92					
100	PI/2 BPSK	1	271		15.91					
100	PI/2 BPSK	135	0		15.86		17.0	0.0		
100	PI/2 BPSK	135	69		15.88		17.0	0.0		
100	PI/2 BPSK	135	138		15.86		17.0	0.0		
100	PI/2 BPSK	270	0		15.87					
100	QPSK	1	1		16.02					
100	QPSK	1	137		15.92		17.0	0.0		
100	QPSK	1	271		15.87					
100	QPSK	135	0		15.88					
100	QPSK	135	69		16.00		17.0	0.0		
100	QPSK	135	138		15.95		17.0	0.0		
100	QPSK	270	0		15.99					
100	16QAM	1	1		15.98					
100	64QAM	1	1		15.95		17.0	0.0		
100	256QAM	1	1		15.87		17.0	0.0		
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3495	3499.98	3504.99				
90	QPSK	1	1		15.97	15.93	15.89	17.0	0.0	
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3490.02	3499.98	3510				
80	QPSK	1	1		15.98	15.87	15.92	17.0	0.0	
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3480	3499.98	3519.99				
60	QPSK	1	1		15.87	15.91	15.90	17.0	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3475.02	3499.98	3525				
50	QPSK	1	1		15.89	15.87	15.88	17.0	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3470.01	3499.98	3529.98				
40	QPSK	1	1		15.97	15.85	15.94	17.0	0.0	
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3470.01	3499.98	3534.99				
30	QPSK	1	1		15.92	15.91	15.99	17.0	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3460.02	3499.98	3540				
20	QPSK	1	1		15.94	15.94	15.96	17.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 662000	Tune-up limit (dBm)	MPR (dB)	
Channel				3750	3840	3930	17.0	0.0	
Frequency (MHz)				15.60	15.64	15.46			
100	PI/2 BPSK	1	1	15.60	15.64	15.46	17.0	0.0	
100	PI/2 BPSK	1	137	15.50	15.63	15.56			
100	PI/2 BPSK	1	271	15.56	15.66	15.47			
100	PI/2 BPSK	135	0	15.59	15.68	15.51	17.0	0.0	
100	PI/2 BPSK	135	69	15.51	15.64	15.47	17.0	0.0	
100	PI/2 BPSK	135	138	15.58	15.66	15.57	17.0	0.0	
100	PI/2 BPSK	270	0	15.47	15.63	15.57	17.0	0.0	
100	QPSK	1	1	15.63	15.76	15.61			
100	QPSK	1	137	15.57	15.72	15.55			
100	QPSK	1	271	15.55	15.71	15.57	17.0	0.0	
100	QPSK	135	0	15.46	15.63	15.55			
100	QPSK	135	69	15.61	15.75	15.60			
100	QPSK	135	138	15.48	15.74	15.49	17.0	0.0	
100	QPSK	270	0	15.60	15.73	15.58	17.0	0.0	
100	16QAM	1	1	15.53	15.69	15.50	17.0	0.0	
100	64QAM	1	1	15.57	15.70	15.54	17.0	0.0	
100	256QAM	1	1	15.52	15.61	15.52	17.0	0.0	
Channel				648668	650000	662332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3934.98			
90	QPSK	1	1	15.64	15.49	15.49	17.0	0.0	
Channel				649334	650000	662666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3939.99			
80	QPSK	1	1	15.69	15.53	15.55	17.0	0.0	
Channel				648668	650000	663332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3949.98			
60	QPSK	1	1	15.63	15.55	15.59	17.0	0.0	
Channel				648334	650000	663666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3954.99			
50	QPSK	1	1	15.70	15.47	15.51	17.0	0.0	
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	15.69	15.54	15.51	17.0	0.0	
Channel				647668	650000	664332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3954.99			
30	QPSK	1	1	15.73	15.60	15.59	17.0	0.0	
Channel				647334	650000	664666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3969.99			
20	QPSK	1	1	15.71	15.47	15.45	17.0	0.0	

Part27Q_n78_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332					
Frequency (MHz)				3499.98					
100	PI/2 BPSK	1	1	16.72					
100	PI/2 BPSK	1	137	16.71			17.7	0.0	
100	PI/2 BPSK	1	271	16.74					
100	PI/2 BPSK	135	0	16.65			17.7	0.0	
100	PI/2 BPSK	135	69	16.63			17.7	0.0	
100	PI/2 BPSK	135	138	16.61			17.7	0.0	
100	PI/2 BPSK	270	0	16.69					
100	QPSK	1	1	16.78					
100	QPSK	1	137	16.63			17.7	0.0	
100	QPSK	1	271	16.65					
100	QPSK	135	0	16.74			17.7	0.0	
100	QPSK	135	69	16.76			17.7	0.0	
100	QPSK	135	138	16.67			17.7	0.0	
100	QPSK	270	0	16.75					
100	16QAM	1	1	16.71			17.7	0.0	
100	64QAM	1	1	16.63			17.7	0.0	
100	256QAM	1	1	16.68			17.7	0.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.99			
90	QPSK	1	1	16.61	16.68	16.69	17.7	0.0	
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3499.98	3510			
80	QPSK	1	1	16.64	16.75	16.73	17.7	0.0	
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3499.98	3519.99			
60	QPSK	1	1	16.61	16.71	16.71	17.7	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525			
50	QPSK	1	1	16.68	16.65	16.73	17.7	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1	16.72	16.64	16.68	17.7	0.0	
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3499.98	3533.99			
30	QPSK	1	1	16.74	16.66	16.68	17.7	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1	16.69	16.64	16.63	17.7	0.0	

Part27O_n78_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	PI/2 BPSK	1	1	16.63					
100	PI/2 BPSK	1	137	16.65			17.7	0.0	
100	PI/2 BPSK	1	271	16.74					
100	PI/2 BPSK	135	0	16.73			17.7	0.0	
100	PI/2 BPSK	135	69	16.74			17.7	0.0	
100	PI/2 BPSK	135	138	16.67			17.7	0.0	
100	PI/2 BPSK	270	0	16.62					
100	QPSK	1	1	16.78					
100	QPSK	1	137	16.62			17.7	0.0	
100	QPSK	1	271	16.68					
100	QPSK	135	0	16.75			17.7	0.0	
100	QPSK	135	69	16.76			17.7	0.0	
100	QPSK	135	138	16.71			17.7	0.0	
100	QPSK	270	0	16.75					
100	16QAM	1	1	16.61			17.7	0.0	
100	64QAM	1	1	16.66			17.7	0.0	
100	256QAM	1	1	16.65			17.7	0.0	
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98			
90	QPSK	1	1	16.72	16.70	16.61	17.7	0.0	
Channel				648334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99			
80	QPSK	1	1	16.68	16.67	16.62	17.7	0.0	
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98			
60	QPSK	1	1	16.63	16.72	16.73	17.7	0.0	
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99			
50	QPSK	1	1	16.64	16.64	16.64	17.7	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	16.67	16.61	16.72	17.7	0.0	
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3784.98			
30	QPSK	1	1	16.63	16.67	16.74	17.7	0.0	
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99			
20	QPSK	1	1	16.72	16.61	16.71	17.7	0.0	

Part27Q_n78_Ant 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332					
Frequency (MHz)				3499.98					
100	PI/2 BPSK	1	1	15.82					
100	PI/2 BPSK	1	137	15.73			17.5	0.0	
100	PI/2 BPSK	1	271	15.83					
100	PI/2 BPSK	135	0	15.81			17.5	0.0	
100	PI/2 BPSK	135	69	15.71			17.5	0.0	
100	PI/2 BPSK	135	138	15.74			17.5	0.0	
100	PI/2 BPSK	270	0	15.84					
100	QPSK	1	1	15.88					
100	QPSK	1	137	15.75			17.5	0.0	
100	QPSK	1	271	15.75					
100	QPSK	135	0	15.77			17.5	0.0	
100	QPSK	135	69	15.86			17.5	0.0	
100	QPSK	135	138	15.83			17.5	0.0	
100	QPSK	270	0	15.85					
100	16QAM	1	1	15.77			17.5	0.0	
100	64QAM	1	1	15.73			17.5	0.0	
100	256QAM	1	1	15.78			17.5	0.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.99			
90	QPSK	1	1	15.74	15.84	15.82	17.5	0.0	
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3499.98	3510			
80	QPSK	1	1	15.83	15.79	15.73	17.5	0.0	
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3499.98	3519.99			
60	QPSK	1	1	15.82	15.73	15.83	17.5	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525			
50	QPSK	1	1	15.72	15.75	15.76	17.5	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1	15.85	15.73	15.77	17.5	0.0	
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3499.98	3531.99			
30	QPSK	1	1	15.73	15.72	15.81	17.5	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1	15.73	15.78	15.74	17.5	0.0	

Part27O_n78_Ant 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	PI/2 BPSK	1	1	15.84					
100	PI/2 BPSK	1	137	15.76			17.5	0.0	
100	PI/2 BPSK	1	271	15.76					
100	PI/2 BPSK	135	0	15.83			17.5	0.0	
100	PI/2 BPSK	135	69	15.73			17.5	0.0	
100	PI/2 BPSK	135	138	15.79			17.5	0.0	
100	PI/2 BPSK	270	0	15.76					
100	QPSK	1	1	15.90					
100	QPSK	1	137	15.83			17.5	0.0	
100	QPSK	1	271	15.79					
100	QPSK	135	0	15.86			17.5	0.0	
100	QPSK	135	69	15.88			17.5	0.0	
100	QPSK	135	138	15.78			17.5	0.0	
100	QPSK	270	0	15.87					
100	16QAM	1	1	15.73			17.5	0.0	
100	64QAM	1	1	15.81			17.5	0.0	
100	256QAM	1	1	15.78			17.5	0.0	
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98			
90	QPSK	1	1	15.80	15.79	15.75	17.5	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99			
80	QPSK	1	1	15.81	15.84	15.81	17.5	0.0	
Channel				648998	650000	651332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98			
60	QPSK	1	1	15.84	15.82	15.73	17.5	0.0	
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99			
50	QPSK	1	1	15.79	15.75	15.73	17.5	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	15.77	15.78	15.84	17.5	0.0	
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3784.98			
30	QPSK	1	1	15.84	15.74	15.87	17.5	0.0	
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99			
20	QPSK	1	1	15.80	15.83	15.86	17.5	0.0	

Part27Q_n78_Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332					
Frequency (MHz)				3499.98					
100	PI/2 BPSK	1	1	15.21					
100	PI/2 BPSK	1	137	15.14			16.5	0.0	
100	PI/2 BPSK	1	271	15.12					
100	PI/2 BPSK	135	0	15.18			16.5	0.0	
100	PI/2 BPSK	135	69	15.25			16.5	0.0	
100	PI/2 BPSK	135	138	15.16			16.5	0.0	
100	PI/2 BPSK	270	0	15.22					
100	QPSK	1	1	15.28					
100	QPSK	1	137	15.21			16.5	0.0	
100	QPSK	1	271	15.17					
100	QPSK	135	0	15.15			16.5	0.0	
100	QPSK	135	69	15.26			16.5	0.0	
100	QPSK	135	138	15.12			16.5	0.0	
100	QPSK	270	0	15.25					
100	16QAM	1	1	15.25			16.5	0.0	
100	64QAM	1	1	15.19			16.5	0.0	
100	256QAM	1	1	15.22			16.5	0.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.99			
90	QPSK	1	1	15.15	15.12	15.16	16.5	0.0	
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3499.98	3510			
80	QPSK	1	1	15.12	15.15	15.15	16.5	0.0	
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3499.98	3514.98			
60	QPSK	1	1	15.14	15.16	15.18	16.5	0.0	
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3499.98	3518.99			
50	QPSK	1	1	15.11	15.20	15.16	16.5	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525			
40	QPSK	1	1	15.24	15.26	15.14	16.5	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3471.01	3499.98	3528.99			
30	QPSK	1	1	15.16	15.25	15.14	16.5	0.0	
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3499.98	3534.99			
20	QPSK	1	1	15.24	15.13	15.18	16.5	0.0	

Part27O_n78_Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	PI/2 BPSK	1	1	15.01					
100	PI/2 BPSK	1	137	15.04			16.5	0.0	
100	PI/2 BPSK	1	271	14.99					
100	PI/2 BPSK	135	0	15.02			16.5	0.0	
100	PI/2 BPSK	135	69	15.08			16.5	0.0	
100	PI/2 BPSK	135	138	15.00			16.5	0.0	
100	PI/2 BPSK	270	0	14.98					
100	QPSK	1	1	15.15					
100	QPSK	1	137	15.08			16.5	0.0	
100	QPSK	1	271	15.11					
100	QPSK	135	0	15.12			16.5	0.0	
100	QPSK	135	69	15.13			16.5	0.0	
100	QPSK	135	138	15.08			16.5	0.0	
100	QPSK	270	0	15.11					
100	16QAM	1	1	15.05			16.5	0.0	
100	64QAM	1	1	15.11			16.5	0.0	
100	256QAM	1	1	15.01			16.5	0.0	
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98			
90	QPSK	1	1	14.99	15.04	15.02	16.5	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99			
80	QPSK	1	1	15.06	15.00	15.00	16.5	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
60	QPSK	1	1	15.05	15.07	15.08	16.5	0.0	
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98			
50	QPSK	1	1	15.11	15.07	15.04	16.5	0.0	
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99			
40	QPSK	1	1	15.00	15.02	15.00	16.5	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
30	QPSK	1	1	15.12	15.07	15.08	16.5	0.0	
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3784.98			
20	QPSK	1	1	14.98	15.02	15.08	16.5	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332					
Frequency (MHz)				3499.98					
100	PI/2 BPSK	1	1	13.44					
100	PI/2 BPSK	1	137	13.33			14.5	0.0	
100	PI/2 BPSK	1	271	13.48					
100	PI/2 BPSK	135	0	13.42			14.5	0.0	
100	PI/2 BPSK	135	69	13.32			14.5	0.0	
100	PI/2 BPSK	135	138	13.44					
100	PI/2 BPSK	270	0	13.33			14.5	0.0	
100	QPSK	1	1	13.48					
100	QPSK	1	137	13.34			14.5	0.0	
100	QPSK	1	271	13.43					
100	QPSK	135	0	13.39			14.5	0.0	
100	QPSK	135	69	13.47			14.5	0.0	
100	QPSK	135	138	13.33			14.5	0.0	
100	QPSK	270	0	13.45					
100	16QAM	1	1	13.37			14.5	0.0	
100	64QAM	1	1	13.40			14.5	0.0	
100	256QAM	1	1	13.43			14.5	0.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.99			
90	QPSK	1	1	13.42	13.36	13.45	14.5	0.0	
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3499.98	3510			
80	QPSK	1	1	13.40	13.39	13.44	14.5	0.0	
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3499.98	3519.99			
60	QPSK	1	1	13.33	13.44	13.35	14.5	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525			
50	QPSK	1	1	13.34	13.32	13.44	14.5	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1	13.39	13.37	13.35	14.5	0.0	
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3499.98	3533.99			
30	QPSK	1	1	13.42	13.33	13.43	14.5	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1	13.33	13.46	13.36	14.5	0.0	

Part27O_n78_Ant 9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	PI/2 BPSK	1	1	13.42					
100	PI/2 BPSK	1	137	13.43			14.5	0.0	
100	PI/2 BPSK	1	271	13.40					
100	PI/2 BPSK	135	0	13.44			14.5	0.0	
100	PI/2 BPSK	135	69	13.45			14.5	0.0	
100	PI/2 BPSK	135	138	13.45					
100	PI/2 BPSK	270	0	13.32			14.5	0.0	
100	QPSK	1	1	13.57					
100	QPSK	1	137	13.46			14.5	0.0	
100	QPSK	1	271	13.50					
100	QPSK	135	0	13.46			14.5	0.0	
100	QPSK	135	69	13.55			14.5	0.0	
100	QPSK	135	138	13.42			14.5	0.0	
100	QPSK	270	0	13.53					
100	16QAM	1	1	13.44			14.5	0.0	
100	64QAM	1	1	13.51			14.5	0.0	
100	256QAM	1	1	13.44			14.5	0.0	
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98			
90	QPSK	1	1	13.48	13.42	13.49	14.5	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99			
80	QPSK	1	1	13.45	13.42	13.40	14.5	0.0	
Channel				648998	650000	651332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98			
60	QPSK	1	1	13.51	13.46	13.44	14.5	0.0	
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99			
50	QPSK	1	1	13.40	13.41	13.51	14.5	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	13.43	13.49	13.43	14.5	0.0	
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3784.98			
30	QPSK	1	1	13.45	13.50	13.54	14.5	0.0	
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99			
20	QPSK	1	1	13.40	13.49	13.53	14.5	0.0	

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			Feb		Head Standalone		Head Non-CBS		Sub/Coverage Standalone		Relayed on Non-CBS ACBS		Avg Cycle %		
			Feb 7		Feb 7		Feb 7		Feb 7		Feb 7				
			Average power (dBm)		Turn-Up Limit		Average power (dBm)		Turn-Up Limit		Average power (dBm)				Turn-Up Limit
2 AGW WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)		Turn-Up Limit		Average power (dBm)		Turn-Up Limit		Average power (dBm)		Turn-Up Limit	
				L	2412	18.00	20.00	18.00	17.50	12.49	13.50	18.00	20.00	17.50	19.00
				B	2437	18.07	20.00	17.30	18.50	13.20	14.80	18.27	21.00	13.30	20.00
				G	2463	18.07	20.00	16.50	17.50	12.55	13.50	18.07	20.00	13.50	19.00

eSpectrum			Ave 15	
Node	Channel	Frequency (MHz)	Full	Non-DFS (A2B5)
			Average power (dBm)	Average power (dBm)
B01-0235	CH 50	2432	15.60	13.18
	CH 59	2441	15.11	11.77
	CH 58	2450	14.71	10.96
	Turn-up Limit		16.00	12.00