

GSM850

GSM850_Ant 0_Default			Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel			128	189	251		128	189	251	
Frequency (MHz)			824.2	836.4	848.8		824.2	836.4	848.8	
GPRS/EDGE GSMK 4 Tx slots			26.38	26.45	26.34	28.00	23.38	23.45	23.34	25.00

GSM850_Ant 0_ECi6		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251	128		189	251		
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8		
GPRS/EDGE GSMK 4 Tx slots	26.38	26.45	26.34	28.00	23.38	23.45	23.34	25.00	

GSM850_Ant 0_EC17			Burst Average Power (dBm)		Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
TX Channel			128	189		251	128	189		251
Frequency (MHz)			824.2	836.4	848.8		824.2	836.4	848.8	
GPRS/EDGE GSMK 4 Tx slots			26.38	26.45	26.34	28.00	23.38	23.45	23.34	25.00

GSM850_Ant 0_EC18			Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel			128	189	251		128	189	251	
Frequency (MHz)			824.2	836.4	848.8		824.2	836.4	848.8	
GPRS/EDGE GSMK 4 Tx slots			26.38	26.45	26.34	28.00	23.38	23.45	23.34	25.00

GSM850_Ant 0_EC19			Burst Average Power (dBm)		Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
TX Channel			128	189		251	128	189		251
Frequency (MHz)			824.2	836.4	848.8		824.2	836.4	848.8	
GPRS/EDGE GSMK 4 Tx slots			26.38	26.45	26.34	28.00	23.38	23.45	23.34	25.00

GSM1900

GSM1900_Ant 0_Default		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8	
GPRS/EDGE GSMK 2 Tx slots		26.06	26.13	26.00	28.00	20.06	20.13	20.00	22.00

GSM1900_Ant 0_ECi6			Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel			512	661	810		512	661	810	
Frequency (MHz)			1850.2	1880	1909.8		1850.2	1880	1909.8	
GPRS/EDGE GSMK 2 Tx slots			26.06	26.13	26.30	28.00	20.06	20.13	20.30	22.00

GSM1900_Ant 0_ECi7		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8	
GPRS/EDGE GSMK 2 Tx slots		26.06	26.13	26.00	28.00	20.06	20.13	20.00	22.00

GSM1900_Ant 0_ECi8			Burst Average Power (dBm)		Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)			
TX Channel			512	661		810	512			661	810	
Frequency (MHz)			1850.2	1880		1909.8	1850.2			1880	1909.8	
GPRS/EDGE GSMK 4 Tx slots			22.28	22.34	22.21	23.50	19.28	19.34	19.21	20.50		

GSM1900_Ant 0_ECi9		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8	
GPRS/EDGE GSMK 2 Tx slots		26.06	26.13	26.00	28.00	20.06	20.13	20.00	22.00

WCDMA II

Band		WCDMA_II_Ant 0_Default			Tune-up Limit (dBm)	WCDMA_II_Ant 1_Default			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		9262	9400	9538	
Rx Channel		9662	9800	9938		9662	9800	9938	
Frequency (MHz)		1852.4	1880	1907.6		1852.4	1880	1907.6	
3GPP Rel 99 RMC 12.2Kbps		23.41	23.43	23.35	24.80	23.63	23.69	23.51	24.80

Band		WCDMA_II_Ant 0_EC16			Tune-up Limit (dBm)	WCDMA_II_Ant 1_EC16			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		9262	9400	9538	
Rx Channel		9662	9800	9938		9662	9800	9938	
Frequency (MHz)		1852.4	1880	1907.6		1852.4	1880	1907.6	
3GPP Rel 99 RMC 12.2Kbps		21.71	21.77	21.65	23.30	21.06	21.12	21.03	22.30

Band		WCDMA_II_Ant 0_EC17			Tune-up Limit (dBm)	WCDMA_II_Ant 1_EC17			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		9262	9400	9538	
Rx Channel		9662	9800	9938		9662	9800	9938	
Frequency (MHz)		1852.4	1880	1907.6		1852.4	1880	1907.6	
3GPP Rel 99 RMC 12.2Kbps		23.41	23.43	23.35	24.80	16.57	16.64	16.58	17.80

Band		WCDMA_II_Ant 0_EC18			Tune-up Limit (dBm)	WCDMA_II_Ant 1_EC18			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		9262	9400	9538	
Rx Channel		9662	9800	9938		9662	9800	9938	
Frequency (MHz)		1852.4	1880	1907.6		1852.4	1880	1907.6	
3GPP Rel 99 RMC 12.2Kbps		19.32	19.41	19.31	20.80	16.67	16.75	16.60	19.80

Band		WCDMA_II_Ant 0_EC19			Tune-up Limit (dBm)	WCDMA_II_Ant 1_EC19			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		9262	9400	9538	
Rx Channel		9662	9800	9938		9662	9800	9938	
Frequency (MHz)		1852.4	1880	1907.6		1852.4	1880	1907.6	
3GPP Rel 99 RMC 12.2Kbps		23.41	23.43	23.35	24.80	15.61	15.71	15.52	16.80

GSM850_Ant 1_Default			Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel							128	189	251	
Frequency (MHz)			824.2	836.4	848.8		824.2	836.4	848.8	
GPRS/EDGE GSMK 4 Tx slots			26.56	26.62	26.49	28.00	23.56	23.62	23.49	25.00

GSM850_Ant 1_EC16			Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
TX Channel			128	189	251		128	189	251	
Frequency (MHz)			824.2	836.4	848.8		824.2	836.4	848.8	
GPRS/EDGE GSMK 4 Tx slots			26.56	26.62	26.49	28.00	23.56	23.62	23.49	25.00

GSM850_Ant 1_EC17			Burst Average Power (dBm)		Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)	
Tx Channel			128	189		251	128	189		251
Frequency (MHz)			824.2	836.4	848.8		824.2	836.4	848.8	
GPRS/EDGE GSMK 4 Tx slots			23.12	23.17	23.11	25.00	20.12	20.17	20.11	22.00

GSM850_Ant 1_EC18			Burst Average Power (dBm)		Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
TX Channel			128	189		251	128	189		251
Frequency (MHz)			824.2	836.4	848.8		824.2	836.4	848.8	
GPRS/EDGE GSMK 4 Tx slots			26.56	26.62	26.49	28.00	23.56	23.62	23.49	25.00

GSM850_Ant 1_ECi9			Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel			128	189	251		128	189	251	
Frequency (MHz)			824.2	836.4	848.8		824.2	836.4	848.8	
GPRS/EDGE GSMK 4 Tx slots			22.05	22.17	22.10	24.00	19.05	19.17	19.10	21.00

GSM1900_Ant 1_Default		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
Tx Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8	
GPRS/EDGE GSMK 2 Tx slots		26.03	26.20	26.12	28.00	20.03	20.20	20.12	22.00

GSM1900_Ant 1_EC16		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
Tx Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8	
GPRS/EDGE GSMK 2 Tx slots		26.03	26.20	26.12	28.00	20.03	20.20	20.12	22.00

GSM1900_Ant 1_EC17			Burst Average Power (dBm)		Tune-up Limit (dBm)
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Band 2_Ant 0_Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100	23.8	0
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	22.15	22.20	22.12		
20	QPSK	50	0	21.20	21.23	21.18	22.8	1
20	QPSK	100	0	21.13	21.19	21.14		

Band 2_Ant 0_EC16								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100	22.8	0
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	21.20	21.22	21.14		
20	QPSK	50	0	21.15	21.18	21.13	22.8	0
20	QPSK	100	0	21.14	21.15	21.13		

Band 2_Ant 0_EC17								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100	23.8	0
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	22.15	22.20	22.12		
20	QPSK	50	0	21.20	21.23	21.18	22.8	1
20	QPSK	100	0	21.13	21.19	21.14		

Band 2_Ant 0_EC18								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100	20.3	0
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	18.05	18.70	18.63		
20	QPSK	50	0	18.90	18.68	18.63	20.3	0
20	QPSK	100	0	18.59	18.65	18.61		

Band 2_Ant 0_EC19								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100	23.8	0
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	22.11	22.20	22.12		
20	QPSK	50	0	21.20	21.23	21.16	22.8	1
20	QPSK	100	0	21.13	21.19	21.14		

Band 2_Ant 1_Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100	23.8	0
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	23.29	23.31	23.27		
20	QPSK	50	0	22.21	22.28	22.25	22.8	1
20	QPSK	100	0	22.21	22.25	22.23		

Band 2_Ant 1_EC16								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100	21.8	0
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	21.20	21.22	21.22		
20	QPSK	50	0	21.15	21.21	21.20	21.8	0
20	QPSK	100	0	21.13	21.23	21.22		

Band 2_Ant 1_EC17								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100	17.8	0
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	17.21	17.35	17.26		
20	QPSK	50	0	17.30	17.31	17.25	17.8	0
20	QPSK	100	0	17.21	17.28	17.23		

Band 2_Ant 1_EC18								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100	19.3	0
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	18.70	18.75	18.63		
20	QPSK	50	0	18.65	18.73	18.66	19.3	0
20	QPSK	100	0	18.63	18.74	18.64		

Band 2_Ant 1_EC19								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100	16.8	0
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	16.20	16.20	16.21		
20	QPSK	50	0	16.21	16.25	16.22	16.8	0
20	QPSK	100	0	16.23	16.24	16.23		



Band 4_Ant 0_Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20500	20175	20300	24.8	0	
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	23.05	23.10	23.06			
20	QPSK	50	0	22.12	22.15	22.13	23.8	1	
20	QPSK	100	0	22.15	22.22	22.13			

Band 4_Ant 0_ECI6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20500	20175	20300	22.8	0	
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	21.13	21.23	21.17			
20	QPSK	50	0	21.11	21.15	21.13	22.8	0	
20	QPSK	100	0	21.03	21.12	21.08			

Band 4_Ant 0_ECI7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20500	20175	20300	24.8	0	
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	23.05	23.10	23.06			
20	QPSK	50	0	22.12	22.15	22.13	23.8	1	
20	QPSK	100	0	22.15	22.22	22.13			

Band 4_Ant 0_ECI8									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20500	20175	20300	20.3	0	
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	18.50	18.56	18.51			
20	QPSK	50	0	18.43	18.51	18.45	20.3	0	
20	QPSK	100	0	18.41	18.45	18.40			

Band 4_Ant 0_ECI9									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20500	20175	20300	24.8	0	
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	23.03	23.10	23.05			
20	QPSK	50	0	22.12	22.15	22.13	23.8	1	
20	QPSK	100	0	22.15	22.22	22.13			

Band 4_Ant 1_Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20500	20175	20300	24.8	0	
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	24.13	24.15	24.14			
20	QPSK	50	0	23.14	23.31	23.25	23.8	1	
20	QPSK	100	0	23.11	23.29	23.28			

Band 4_Ant 1_ECI6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20500	20175	20300	22.3	0	
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	21.03	21.05	21.03			
20	QPSK	50	0	21.01	21.04	21.03	22.3	0	
20	QPSK	100	0	21.75	21.80	21.79			

Band 4_Ant 1_ECI7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20500	20175	20300	18.8	0	
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	18.35	18.41	18.34			
20	QPSK	50	0	18.31	18.38	18.35	18.8	0	
20	QPSK	100	0	18.31	18.37	18.29			

Band 4_Ant 1_ECI8									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20500	20175	20300	19.8	0	
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	19.31	19.38	19.30			
20	QPSK	50	0	19.25	19.37	19.30	19.8	0	
20	QPSK	100	0	19.21	19.32	19.29			

Band 4_Ant 1_ECI9									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20500	20175	20300	17.8	0	
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	17.34	17.42	17.35			
20	QPSK	50	0	17.36	17.41	17.35	17.8	0	
20	QPSK	100	0	17.31	17.35	17.30			

Band 4_Ant 4_Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20500	20175	20300	24.3	0	
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	22.44	22.63	22.62			
20	QPSK	50	0	21.38	21.45	21.41	23.3	1	
20	QPSK	100	0	21.38	21.40	21.35			

Band 4_Ant 4_ECI6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20500	20175	20300	24.3	0	
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	22.44	22.63	22.62			
20	QPSK	50	0	21.38	21.45	21.41	23.3	1	
20	QPSK	100	0	21.38	21.40	21.35			

Band 4_Ant 4_ECI7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20500	20175	20300	24.3	0	
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	22.44	22.63	22.62			
20	QPSK	50	0	21.38	21.45	21.41	23.3	1	
20	QPSK	100	0	21.38	21.40	21.35			

Band 4_Ant 4_ECI8									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20500	20175	20300	24.3	0	
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	22.44	22.63	22.62			
20	QPSK	50	0	21.38	21.45	21.41	23.3	1	
20	QPSK	100	0	21.38	21.40	21.35			

Band 4_Ant 4_ECI9									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20500	20175	20300	24.3	0	
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	22.44	22.63	22.62			
20	QPSK	50	0	21.38	21.45	21.41	23.3	1	
20	QPSK	100	0	21.38	21.40	21.35			



Band 5_Ant 0_Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	23.61	23.44	23.40	24.8	0
10	QPSK	25	0	22.62	22.47	22.35	23.8	1
10	QPSK	50	0	22.38	22.41	22.36		

Band 5_Ant 0_ECI6								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	23.61	23.44	23.40	24.8	0
10	QPSK	25	0	22.62	22.47	22.35	23.8	1
10	QPSK	50	0	22.38	22.41	22.36		

Band 5_Ant 0_ECI7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	23.61	23.44	23.40	24.8	0
10	QPSK	25	0	22.62	22.47	22.35	23.8	1
10	QPSK	50	0	22.38	22.41	22.36		

Band 5_Ant 0_ECI8								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	22.43	22.44	22.40	23.8	0
10	QPSK	25	0	22.35	22.40	22.31	23.8	0
10	QPSK	50	0	22.32	22.41	22.34		

Band 5_Ant 0_ECI9								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	23.61	23.44	23.40	24.8	0
10	QPSK	25	0	22.62	22.47	22.35	23.8	1
10	QPSK	50	0	22.38	22.41	22.36		

Band 5_Ant 1_Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	24.00	24.06	24.04	24.8	0
10	QPSK	25	0	23.01	23.01	22.99	23.8	1
10	QPSK	50	0	22.97	23.02	22.96		

Band 5_Ant 1_ECI6								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	24.00	24.06	24.04	24.8	0
10	QPSK	25	0	23.01	23.01	22.99	23.8	1
10	QPSK	50	0	22.97	23.02	22.96		

Band 5_Ant 1_ECI7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	20.03	20.10	20.08	20.8	0
10	QPSK	25	0	20.01	20.04	20.03	20.8	0
10	QPSK	50	0	20.02	20.05	20.04		

Band 5_Ant 1_ECI8								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	24.00	24.06	24.04	24.8	0
10	QPSK	25	0	23.01	23.01	22.99	23.8	1
10	QPSK	50	0	22.97	23.02	22.96		

Band 5_Ant 1_ECI9								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	19.03	19.06	19.01	19.8	0
10	QPSK	25	0	18.85	19.02	18.87	19.8	0
10	QPSK	50	0	18.83	19.05	18.69		

Band 7_Ant 0_Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350	24.8	0
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	22.85	22.92	22.83	23.8	1
20	QPSK	50	0	22.32	22.34	22.25		
20	QPSK	100	0	22.31	22.40	22.32		

Band 7_Ant 0_EC16								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350	22.3	0
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	20.31	20.63	20.72	22.3	0
20	QPSK	50	0	20.74	20.81	20.71		
20	QPSK	100	0	20.65	20.75	20.71		

Band 7_Ant 0_EC17								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350	24.8	0
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	22.85	22.92	22.83	23.8	1
20	QPSK	50	0	22.32	22.34	22.25		
20	QPSK	100	0	22.31	22.40	22.32		

Band 7_Ant 0_EC18								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350	19.8	0
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	18.41	18.45	18.40	19.8	0
20	QPSK	50	0	18.31	18.38	18.35		
20	QPSK	100	0	18.32	18.41	18.35		

Band 7_Ant 0_EC19								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350	24.8	0
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	22.11	22.42	22.63	23.8	1
20	QPSK	50	0	22.32	22.34	22.25		
20	QPSK	100	0	22.31	22.40	22.32		

Band 7_Ant 1_Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350	24.8	0
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	24.18	24.17	24.02	23.8	1
20	QPSK	50	0	23.18	23.16	23.11		
20	QPSK	100	0	23.12	23.17	23.08		

Band 7_Ant 1_EC16								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350	17.8	0
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	17.21	17.25	17.21	17.8	0
20	QPSK	50	0	17.18	17.20	17.16		
20	QPSK	100	0	17.15	17.21	17.14		

Band 7_Ant 1_EC17								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350	14.3	0
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	13.08	13.02	13.04	14.3	0
20	QPSK	50	0	13.51	13.58	13.51		
20	QPSK	100	0	13.52	13.55	13.50		

Band 7_Ant 1_EC18								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350	15.3	0
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	14.02	14.05	14.00	15.3	0
20	QPSK	50	0	14.03	14.03	14.04		
20	QPSK	100	0	14.02	14.08	14.00		

Band 7_Ant 1_EC19								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350	13.3	0
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	12.13	12.10	12.10	13.3	0
20	QPSK	50	0	12.61	12.65	12.54		
20	QPSK	100	0	12.58	12.69	12.55		

Band 12_Ant 0_Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23060	23095	23130	24.8	0
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	23.52	23.56	23.50	23.8	1
10	QPSK	25	0	22.51	22.60	22.48		
10	QPSK	50	0	22.53	22.59	22.51		

Band 12_Ant 0_ECI6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23060	23095	23130	24.8	0
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	23.52	23.56	23.50	23.8	1
10	QPSK	25	0	22.51	22.60	22.48		
10	QPSK	50	0	22.53	22.59	22.51		

Band 12_Ant 0_ECI7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23060	23095	23130	24.8	0
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	23.52	23.56	23.50	23.8	1
10	QPSK	25	0	22.51	22.60	22.48		
10	QPSK	50	0	22.53	22.59	22.51		

Band 12_Ant 0_ECI8

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23060	23095	23130	23.8	0
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	22.53	22.58	22.50	23.8	0
10	QPSK	25	0	22.43	22.51	22.45		
10	QPSK	50	0	22.41	22.48	22.38		

Band 12_Ant 0_ECI9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23060	23095	23130	24.8	0
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	23.52	23.56	23.50	23.8	1
10	QPSK	25	0	22.51	22.60	22.48		
10	QPSK	50	0	22.53	22.59	22.51		

Band 12_Ant 1_Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23060	23095	23130	24.8	0
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	23.89	23.99	23.93	23.8	1
10	QPSK	25	0	22.68	22.83	22.83		
10	QPSK	50	0	22.90	23.91	22.90		

Band 12_Ant 1_ECI6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23060	23095	23130	24.8	0
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	23.52	23.56	23.50	23.8	1
10	QPSK	25	0	22.89	22.93	22.83		
10	QPSK	50	0	22.90	23.91	22.90		

Band 12_Ant 1_ECI7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23060	23095	23130	22.8	0
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	21.85	21.82	21.87	22.8	0
10	QPSK	25	0	21.83	21.88	21.82		
10	QPSK	50	0	21.80	21.90	21.75		

Band 12_Ant 1_ECI8

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23060	23095	23130	24.3	0
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	23.40	23.42	23.36	23.8	0.5
10	QPSK	25	0	22.63	22.87	22.80		
10	QPSK	50	0	22.63	22.88	22.81		

Band 12_Ant 1_ECI9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23060	23095	23130	21.8	0
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	20.15	20.10	20.18	21.8	0
10	QPSK	25	0	20.83	20.86	20.81		
10	QPSK	50	0	20.81	20.89	20.82		

Band 13_Ant 0_Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)
Channel				23230			24.8	0
Frequency (MHz)				782				
10	QPSK	1	0		23.40		23.8	1
10	QPSK	25	0		22.27			
10	QPSK	50	0		22.30			

Band 13_Ant 0_ECI6								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23230			24.8	0
Frequency (MHz)				782				
10	QPSK	1	0		23.40		23.8	1
10	QPSK	25	0		22.27			
10	QPSK	50	0		22.30			

Band 13_Ant 0_ECI7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)
Channel				23230			24.8	0
Frequency (MHz)				782				
10	QPSK	1	0		23.40		23.8	1
10	QPSK	25	0		22.27			
10	QPSK	50	0		22.30			

Band 13_Ant 0_ECI8								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)
Channel				23230			24.8	0
Frequency (MHz)				782				
10	QPSK	1	0		23.40		23.8	1
10	QPSK	25	0		22.27			
10	QPSK	50	0		22.30			

Band 13_Ant 0_ECI9								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23230			24.8	0
Frequency (MHz)				782				
10	QPSK	1	0		23.40		23.8	1
10	QPSK	25	0		22.27			
10	QPSK	50	0		22.30			

Band 13_Ant 1_Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)
Channel				23230				
Frequency (MHz)				782				
10	QPSK	1	0		23.09		24.8	0
10	QPSK	25	0		22.88		23.8	1
10	QPSK	50	0		22.87			

Band 13_Ant 1_ECI6								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23230			24.8	0
Frequency (MHz)				782				
10	QPSK	1	0		23.09		23.8	1
10	QPSK	25	0		22.88			
10	QPSK	50	0		22.87			

Band 13_Ant 1_ECI7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23230				
Frequency (MHz)				782				
10	QPSK	1	0		22.01		22.8	0
10	QPSK	25	0		21.89		22.8	0
10	QPSK	50	0		21.91			

Band 13_Ant 1_ECI8								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23230				
Frequency (MHz)				782				
10	QPSK	1	0		23.06		24.8	0
10	QPSK	25	0		22.88		23.8	1
10	QPSK	50	0		22.87			

Band 13_Ant 1_ECI9								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23230				
Frequency (MHz)				782				
10	QPSK	1	0		21.01		21.8	0
10	QPSK	25	0		20.89		21.8	0
10	QPSK	50	0		20.94			

Band 17_Ant 0_Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23780	23790	23800	24.8	0
Frequency (MHz)				709	710	711		
10	QPSK	1	0	23.50	23.52	23.48		
10	QPSK	25	0	22.45	22.55	22.51	23.8	1
10	QPSK	50	0	22.41	22.53	22.43		

Band 17_Ant 0_ECI6								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23780	23790	23800	24.8	0
Frequency (MHz)				709	710	711		
10	QPSK	1	0	23.50	23.52	23.48		
10	QPSK	25	0	22.45	22.55	22.51	23.8	1
10	QPSK	50	0	22.41	22.53	22.43		

Band 17_Ant 0_ECI7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23780	23790	23800	24.8	0
Frequency (MHz)				709	710	711		
10	QPSK	1	0	23.50	23.52	23.48		
10	QPSK	25	0	22.45	22.55	22.51	23.8	1
10	QPSK	50	0	22.41	22.53	22.43		

Band 17_Ant 0_ECI8								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23780	23790	23800	23.8	0
Frequency (MHz)				709	710	711		
10	QPSK	1	0	22.54	22.60	22.45		
10	QPSK	25	0	22.51	22.55	22.48	23.8	0
10	QPSK	50	0	22.50	22.53	22.43		

Band 17_Ant 0_ECI9								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23780	23790	23800	24.8	0
Frequency (MHz)				709	710	711		
10	QPSK	1	0	23.51	23.52	23.43		
10	QPSK	25	0	22.45	22.55	22.51	23.8	1
10	QPSK	50	0	22.41	22.53	22.43		

Band 17_Ant 1_Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23780	23790	23800	24.8	0
Frequency (MHz)				709	710	711		
10	QPSK	1	0	23.81	23.89	23.75		
10	QPSK	25	0	22.85	22.90	22.83	23.8	1
10	QPSK	50	0	22.71	22.90	22.81		

Band 17_Ant 1_ECI6								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23780	23790	23800	24.8	0
Frequency (MHz)				709	710	711		
10	QPSK	1	0	23.51	23.55	23.75		
10	QPSK	25	0	22.85	22.90	22.83	23.8	1
10	QPSK	50	0	22.71	22.90	22.81		

Band 17_Ant 1_ECI7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23780	23790	23800	22.8	0
Frequency (MHz)				709	710	711		
10	QPSK	1	0	21.83	21.85	21.82		
10	QPSK	25	0	21.85	21.83	21.84	22.8	0
10	QPSK	50	0	21.82	21.91	21.83		

Band 17_Ant 1_ECI8								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23780	23790	23800	24.3	0
Frequency (MHz)				709	710	711		
10	QPSK	1	0	23.51	23.58	23.52		
10	QPSK	25	0	22.85	22.81	22.90	23.8	0.5
10	QPSK	50	0	22.83	22.90	22.84		

Band 17_Ant 1_ECI9								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23780	23790	23800	21.8	0
Frequency (MHz)				709	710	711		
10	QPSK	1	0	20.55	20.54	20.58		
10	QPSK	25	0	20.83	20.91	20.88	21.8	0
10	QPSK	50	0	20.82	20.90	20.83		



Band 26_Ant 0_Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26765	26865	26965	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	0	23.30	23.31	23.25	24.8	0
15	QPSK	36	0	22.88	22.92	22.25	23.8	1
15	QPSK	75	0	22.26	22.30	22.23		

Band 26_Ant 0_EC16								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26765	26865	26965	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	0	23.30	23.31	23.25	24.8	0
15	QPSK	36	0	22.30	22.32	22.25	23.8	1
15	QPSK	75	0	22.26	22.30	22.23		

Band 26_Ant 0_EC17								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26765	26865	26965	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	0	23.30	23.31	23.25	24.8	0
15	QPSK	36	0	22.30	22.32	22.25	23.8	1
15	QPSK	75	0	22.26	22.30	22.23		

Band 26_Ant 0_EC18								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26765	26865	26965	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	0	22.25	22.31	22.21	23.8	0
15	QPSK	36	0	22.15	22.18	22.15	23.8	0
15	QPSK	75	0	22.14	22.21	22.13		

Band 26_Ant 0_EC19								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26765	26865	26965	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	0	23.30	23.31	23.25	24.8	0
15	QPSK	36	0	22.30	22.32	22.25	23.8	1
15	QPSK	75	0	22.26	22.30	22.23		

Band 26_Ant 1_Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26765	26865	26965	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	0	23.85	23.95	23.91	24.8	0
15	QPSK	36	0	22.82	22.84	22.82	23.8	1
15	QPSK	75	0	22.85	22.90	22.87		

Band 26_Ant 1_EC16								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26765	26865	26965	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	0	23.85	23.95	23.91	24.8	0
15	QPSK	36	0	22.82	22.84	22.82	23.8	1
15	QPSK	75	0	22.85	22.90	22.87		

Band 26_Ant 1_EC17								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26765	26865	26965	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	0	19.93	19.95	19.94	20.8	0
15	QPSK	36	0	19.85	19.91	19.86	20.8	0
15	QPSK	75	0	19.83	19.90	19.88		

Band 26_Ant 1_EC18								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26765	26865	26965	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	0	23.85	23.95	23.91	24.8	0
15	QPSK	36	0	22.82	22.84	22.82	23.8	1
15	QPSK	75	0	22.85	22.90	22.87		

Band 26_Ant 1_EC19								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26765	26865	26965	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	0	18.92	18.95	18.93	19.8	0
15	QPSK	36	0	18.80	18.82	18.84	19.8	0
15	QPSK	75	0	18.85	18.96	18.83		



Band 38_Ant 0_Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	24.8	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	24.03	24.05	23.97			
20	QPSK	50	0	23.07	23.10	23.03	23.8	1	
20	QPSK	100	0	23.01	23.05	22.95			

Band 38_Ant 0_EC16									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	23.8	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	22.91	22.92	22.90			
20	QPSK	50	0	22.86	22.85	22.81	23.8	0	
20	QPSK	100	0	22.81	22.83	22.75			

Band 38_Ant 0_EC17									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	24.8	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	24.03	24.05	23.97			
20	QPSK	50	0	23.07	23.10	23.03	23.8	1	
20	QPSK	100	0	23.01	23.05	22.95			

Band 38_Ant 0_EC18									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	21.3	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	20.51	20.50	20.51			
20	QPSK	50	0	20.53	20.54	20.45	21.3	0	
20	QPSK	100	0	20.50	20.52	20.43			

Band 38_Ant 0_EC18									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	24.8	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	24.03	24.05	23.97			
20	QPSK	50	0	23.07	23.10	23.03	23.8	1	
20	QPSK	100	0	23.01	23.05	22.95			

Band 38_Ant 1_Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	24.8	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	24.00	24.08	24.08			
20	QPSK	50	0	23.11	23.27	23.21	23.8	1	
20	QPSK	100	0	23.15	23.38	23.37			

Band 38_Ant 1_EC16									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	19.8	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	19.01	19.05	19.05			
20	QPSK	50	0	18.85	19.03	18.83	19.8	0	
20	QPSK	100	0	18.87	19.05	18.82			

Band 38_Ant 1_EC17									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	16.8	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	16.03	16.05	16.01			
20	QPSK	50	0	16.00	16.01	15.98	16.8	0	
20	QPSK	100	0	15.85	16.02	15.89			

Band 38_Ant 1_EC18									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	17.3	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	16.35	16.42	16.35			
20	QPSK	50	0	16.31	16.41	16.23	17.3	0	
20	QPSK	100	0	16.30	16.35	16.21			

Band 38_Ant 1_EC19									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	15.8	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	15.01	15.05	14.97			
20	QPSK	50	0	14.95	15.00	14.86	15.8	0	
20	QPSK	100	0	14.98	15.01	14.88			

Band 38_Ant 4_Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	24.1	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	23.15	23.35	22.28			
20	QPSK	50	0	22.28	22.39	22.32	23.1	1	
20	QPSK	100	0	22.28	22.35	22.31			

Band 38_Ant 4_EC16									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	23.6	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	22.92	22.92	22.93			
20	QPSK	50	0	22.80	22.82	22.58	23.1	0.5	
20	QPSK	100	0	22.53	22.56	22.45			

Band 38_Ant 4_EC17									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	24.1	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	23.13	23.35	22.28			
20	QPSK	50	0	22.28	22.39	22.32	23.1	1	
20	QPSK	100	0	22.28	22.35	22.31			

Band 38_Ant 4_EC18									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	21.1	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	20.15	20.21	20.14			
20	QPSK	50	0	20.11	20.15	20.05	21.1	0	
20	QPSK	100	0	20.05	20.13	20.01			

Band 38_Ant 4_EC19									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	23.6	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	22.92	22.92	22.93			
20	QPSK	50	0	22.80	22.82	22.58	23.1	0.5	
20	QPSK	100	0	22.53	22.56	22.45			



Full & Default Power

Band 41_Ant 0										
SRV [MHz]	Modulation	RB Size	RB Offset	Power Low [dBm]	Power High [dBm]	Power Low [dBm]	Power High [dBm]	Turn-on Time [ms]	Turn-off Time [ms]	MPH [dB]
Channel										
				40240	40500	40770	41140			
Frequency [MHz]										
20	QPSK	1	0	23.50	23.50	24.50	23.50			
20	QPSK	1	48	23.50	23.50	24.50	23.50	24.8	0	
20	QPSK	1	96	23.50	23.50	24.50	23.50			
20	QPSK	36	0	24.50	24.50	25.50	24.50			
20	QPSK	36	48	24.50	24.50	25.50	24.50	24.8	1	
20	QPSK	50	0	25.50	25.50	26.50	25.50			
20	QPSK	50	48	25.50	25.50	26.50	25.50	24.8	2	
20	QPSK	100	0	26.50	26.50	27.50	26.50			
20	QPSK	100	48	26.50	26.50	27.50	26.50	24.8	3	
20	QPSK	1	96	23.50	23.50	24.50	23.50			
20	QPSK	1	48	23.50	23.50	24.50	23.50	24.8	1	
20	QPSK	1	96	23.50	23.50	24.50	23.50			
20	QPSK	36	0	24.50	24.50	25.50	24.50			
20	QPSK	36	48	24.50	24.50	25.50	24.50	24.8	2	
20	QPSK	50	0	25.50	25.50	26.50	25.50			
20	QPSK	50	48	25.50	25.50	26.50	25.50	24.8	2	
20	QPSK	100	0	26.50	26.50	27.50	26.50			
20	QPSK	100	48	26.50	26.50	27.50	26.50	24.8	2	
20	QPSK	1	96	23.50	23.50	24.50	23.50			
20	QPSK	1	48	23.50	23.50	24.50	23.50	24.8	2	
20	QPSK	1	96	23.50	23.50	24.50	23.50			
20	QPSK	36	0	24.50	24.50	25.50	24.50			
20	QPSK	36	48	24.50	24.50	25.50	24.50	24.8	3	
20	QPSK	50	0	25.50	25.50	26.50	25.50			
20	QPSK	50	48	25.50	25.50	26.50	25.50	24.8	3	
20	QPSK	100	0	26.50	26.50	27.50	26.50			
20	QPSK	100	48	26.50	26.50	27.50	26.50	24.8	3	
Channel										
				40215	40465	40765	41165			
Frequency [MHz]										
15	QPSK	1	0	23.75	23.75	23.75	23.75			
15	QPSK	1	37	23.75	23.75	23.75	23.75	24.8	0	
15	QPSK	1	74	23.75	23.75	23.75	23.75			
15	QPSK	36	0	24.41	24.49	24.49	24.41			
15	QPSK	36	20	23.37	23.41	23.48	23.37	24.8	1	
15	QPSK	36	59	23.41	23.45	23.48	23.41			
15	QPSK	75	0	23.33	23.42	23.37	23.33			
15	QPSK	75	37	23.33	23.39	23.39	23.33	24.8	1	
15	QPSK	1	74	23.37	23.51	23.41	23.37			
15	QPSK	36	0	23.33	23.33	23.33	23.33			
15	QPSK	36	20	23.34	23.38	23.44	23.34	24.8	2	
15	QPSK	36	59	23.33	23.33	23.33	23.33			
15	QPSK	75	0	23.30	23.41	23.39	23.30			
15	QPSK	75	37	23.30	23.39	23.39	23.30	24.8	2	
15	QPSK	1	0	22.54	22.56	22.53	22.56			
15	QPSK	1	48	22.54	22.53	22.53	22.54	24.8	2	
15	QPSK	1	96	22.54	22.53	22.53	22.54			
15	QPSK	36	0	22.50	22.50	22.50	22.50			
15	QPSK	36	20	22.50	22.50	22.50	22.50	24.8	3	
15	QPSK	36	59	22.50	22.50	22.50	22.50			
15	QPSK	75	0	22.48	22.48	22.48	22.48			
15	QPSK	75	37	22.48	22.48	22.48	22.48	24.8	3	
Channel										
				40190	40490	40790	41190			
Frequency [MHz]										
10	QPSK	1	0	23.84	23.72	23.63	23.69			
10	QPSK	1	25	23.84	23.60	24.50	23.69	24.8	0	
10	QPSK	1	49	23.84	23.62	23.63	23.61			
10	QPSK	25	0	23.48	23.49	23.47	23.51			
10	QPSK	25	12	23.37	23.46	23.46	23.38	24.8	1	
10	QPSK	25	25	23.45	23.46	23.45	23.45			
10	QPSK	50	0	23.42	23.44	23.44	23.41			
10	QPSK	50	25	23.42	23.42	23.39	23.39	24.8	1	
10	QPSK	1	25	23.52	23.54	23.49	23.49			
10	QPSK	1	49	23.50	23.46	23.43	23.39			
10	QPSK	25	12	23.31	23.43	23.40	23.38	24.8	2	
10	QPSK	25	25	23.31	23.31	23.29	23.28			
10	QPSK	50	0	22.29	22.30	22.29	22.28			
10	QPSK	50	25	22.29	22.29	22.28	22.28	24.8	2	
10	QPSK	1	49	23.12	23.20	23.23	23.18			
10	QPSK	25	12	23.03	23.03	23.00	23.00	24.8	3	
10	QPSK	25	25	23.06	23.06	23.01	23.01			
10	QPSK	50	0	23.15	23.02	23.01	23.00			
Channel										
				40165	40465	40805	41215			
Frequency [MHz]										
5	QPSK	1	0	23.73	23.63	23.52	23.62			
5	QPSK	1	12	23.67	23.62	23.67	23.71	24.8	0	
5	QPSK	1	24	23.63	23.63	23.63	23.63			
5	QPSK	12	0	23.42	23.43	23.49	23.32			
5	QPSK	12	7	23.42	23.37	23.49	23.37	24.8	1	
5	QPSK	12	19	23.41	23.44	23.47	23.35			
5	QPSK	25	0	23.43	23.38	23.39	23.39			
5	QPSK	25	12	23.40	23.42	23.32	23.32	24.8	1	
5	QPSK	1	24	23.49	23.52	23.52	23.51			
5	QPSK	12	7	23.43	23.43	23.38	23.38	24.8	2	
5	QPSK	12	19	23.43	23.43	23.38	23.38			
5	QPSK	25	0	22.29	22.30	22.29	22.29			
5	QPSK	25	12	22.27	22.28	22.27	22.27	24.8	2	
5	QPSK	1	24	23.08	23.12	23.21	23.01			
5	QPSK	12	7	23.07	23.09	23.09	23.07	24.8	3	
5	QPSK	12	19	23.08	23.08	23.06	23.06			
5	QPSK	25	0	23.15	23.02	23.01	23.01			

Band 41 (HPUE)_Ant 0										
SRV [MHz]	Modulation	RB Size	RB Offset	Power Low [dBm]	Power High [dBm]	Power Low [dBm]	Power High [dBm]	Turn-on Time [ms]	Turn-off Time [ms]	MPH [dB]
Channel										
				40240	40500	40770	41140			
Frequency [MHz]										
20	QPSK	1	0	24.53	24.56	24.56	24.72			
20	QPSK	1	48	24.53	24.56	24.56	24.72	25.8	0	
20	QPSK	1	96	24.53	24.56	24.56	24.72			
20	QPSK	36	0	24.53	24.56	24.56	24.72			
20	QPSK	36	48	24.53	24.56	24.56	24.72	24.8	1	
20	QPSK	50	0	24.53	24.56	24.56	24.72			
20	QPSK	50	48	24.53	24.56	24.56	24.72	24.8	2	
20	QPSK	100	0	24.57	24.53	24.50	24.70			
20	QPSK	100	48	24.57	24.53	24.50	24.70	24.8	1	
20	QPSK	1	96	24.75	24.73	24.67	24.65			
20	QPSK	1	48	24.75	24.73	24.67	24.65	24.8	1	
20	QPSK	1	96	24.71	24.69	24.62	24.70			
20	QPSK	36	0	23.50	23.54	23.50	23.53			
20	QPSK	36	24	23.50	23.54	23.49	23.41	23.8	2	
20	QPSK	50	0	23.50	23.57	23.58	23.50			
20	QPSK	50	48	23.50	23.57	23.58	23.50	23.8	2	
20	QPSK	100	0	23.52	23.55	23.58	23.58			
20	QPSK	100	48	23.52	23.54	23.48	23.54	23.8	3	
20	QPSK	1	96	23.50	23.57	23.58	23.50			
20	QPSK	1	48	23.50	23.57	23.58	23.50	23.8	2	
20	QPSK	1	96	23.50	23.57	23.58	23.50			
20	QPSK	36	0	23.50	23.57	23.58	23.50			
20	QPSK	36	24	23.50	23.57	23.58	23.50	23.8	3	
20	QPSK	50	0	23.50	23.57	23.58	23.50			
20	QPSK	50	48	23.50	23.57	23.58	23.50	23.8	3	
20	QPSK	100	0	23.52	23.55	23.58	23.58			
20	QPSK	100	48	23.52	23.54	23.48	23.54	23.8	3	
Channel										
				40215	40465	40765	41165			
Frequency [MHz]										
15	QPSK	1	0	24.41	24.48	24.73	24.56			
15	QPSK	1	37	24.75	24.80	24.80	24.81	25.8	0	
15	QPSK	1	74	24.41	24.48	24.73	24.56			
15	QPSK	36	0	23.51	23.48	23.44	23.27			
15	QPSK	36	24	23.51	23.48	23.44	23.27	23.8	1	
15	QPSK	50	0	24.53	24.56	24.51	24.12			
15	QPSK	50	48	24.53	24.42	24.53	24.14	24.8	1	
15	QPSK	100	0	24.53	24.41	24.58	23.25			
15	QPSK	100	48	24.53	24.48	24.50	23.33	24.8	1	
15	QPSK	1	96	23.50	23.44	23.43	23.28			
15	QPSK	36	0	23.50	23.43	23.43	23.28			
15	QPSK	36	24	23.51	23.33	23.48	23.25	23.8	2	
15	QPSK	50	0	23.50	23.37	23.38	23.25			
15	QPSK	50	48	23.50	23.37	23.38	23.25	23.8	2	
15	QPSK	100	0	23.50	23.37	23.38	23.25			
15	QPSK	100	48	23.50	23.37	23.38	23.25	23.8	3	
15	QPSK	1	96	23.50	23.37	23.38	23.25			
15	QPSK	1	48	23.50	23.37	23.38	23.25	23.8	2	
15	QPSK	1	96	23.50	23.37	23.38	23.25			
15	QPSK	36	0	23.50	23.37	23.38	23.25			
15	QPSK	36	24	23.50	23.37	23.38	23.25	23.8	3	
15	QPSK	50	0	23.50	23.37	23.38	23.25			
15	QPSK	50	48	23.50	23.37	23.38	23.25	23.8	3	
15	QPSK	100	0	23.52	23.58	23.58	23.61			
15	QPSK	100	48	23.52	23.56	23.57	23.62	23.8	3	
Channel										
				40230	40480	40780	41180			
Frequency [MHz]										
30	QPSK	1	0	24.53	24.54	24.54	24.60			
30	QPSK	1	24	24.76	24.89	24.84	24.63	25.8	0	
30	QPSK	1	48	24.53	24.54	24.54	24.60			
30	QPSK	24	0	24.53	24.43	24.47	24.35			
30	QPSK	24	12	24.44	24.32	24.42	24.30	24.8	1	
30	QPSK	50	0	24.44	24.39	24.45	24.38			
30	QPSK	50	48	24.44	24.35	24.44	24.35	24.8	1	
30	QPSK	1	24	24.58	24.60	24.53	24.22			
30	QPSK	1	48	24.52	24.51	24.48	24.22	24.8	1	
30	QPSK	1	96	24.57	24.37	24.35	24.28			
30	QPSK	24	12	23.38	23.38	23.62	23.29	23.8	2	
30	QPSK	24	0	23.38	23.38	23.62	23.29	23.8	2	
30	QPSK	50	0	23.39	23.43	23.39	23.24			
30	QPSK	50	48	23.39	23.43	23.39	23.24	24.8	1	
30	QPSK	1	24	23.31	23.31	23.37	23.18			
30	QPSK	1	48	23.31	23.32	23.48	23.13	23.8	2	
30	QPSK	1	96	23.35	23.38	23.43	23.08			
30	QPSK	24	12	21.86	21.86	21.86	21.81	23.8	3	
30	QPSK	24	0	21.86	21.86	21.86	21.81	23.8	3	
30	QPSK	50	0	21.86	21.84	21.81	21.72			
30	QPSK	50	48	21.86	21.84	21.81	21.72	23.8	3	
Channel										
				40230	40480	40780	41180			
Frequency [MHz]										
30	QPSK	1	0	24.53	24.54	24.54	24.60			
30	QPSK	1	24	24.76	24.89	24.84	24.63	25.8	0	
30	QPSK	1	48	24.53	24.54	24.54	24.60			
30	QPSK	24	0	24.53	24.43	24.47	24.35			
30	QPSK	24	12	24.44	24.32	24.42	24.30	24.8	1	
30	QPSK	50	0	24.44	24.39	24.45	24.38			
30	QPSK	50	48	24.44	24.35	24.44	24.35	24.8	1	
30	QPSK	1	24	24.58	24.60	24.53	24.22			
30	QPSK	1	48	24.52	24.51	24.48	24.22	24.8	1	
30	QPSK	1	96	24.57	24.37	24.35	24.28			
30	QPSK	24	12	23.38	23.38	23.62	23.29	23.8	2	
30	QPSK	24	0	23.38	23.38	23.62	23.29	23.8	2	
30	QPSK	50	0	23.39	23.43	23.39	23.24			
30	QPSK	50	48	23.39	23.43	23.39	23.24	24.8	1	
30	QPSK	1	24	23.27	23.24	23.32	23.12			
30	QPSK	1	48	23.27	23.24	23.32	23.12	23.8	2	
30	QPSK	1	96	23.31	23.32	23.48	23.13			
30	QPSK	24	12	21.86	21.86	21.86	21.81	23.8	3	
30	QPSK	24	0	21.86	21.84	21.81	21.72			
30	QPSK	50	0	21.86	21.84	21.81	21.72	23.8	3	

Band 41_Ant 4										
Site [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Main Ch. [Freq]	Power High Ch. [Freq]	Power Peak Ch. [Freq]	Turn-on time (sec)	MFR (dB)	
Channel										
Frequency [MHz]										
21.0										
20	QPSK	1	0	23.09	23.14	23.24	23.18			
20	QPSK	1	49	23.27	23.32	23.39	23.24	24.1	0	
20	QPSK	1	99	23.45	23.50	23.58	23.42			
20	QPSK	50	0	23.71	23.76	23.82	23.74			
20	QPSK	50	24	23.73	23.78	23.86	23.78	23.1	1	
20	QPSK	50	50	23.75	23.80	23.86	23.75			
20	QPSK	100	0	22.70	22.75	22.80	22.75			
20	WCDMA	1	0	23.94	23.94	23.94	23.94			
20	WCDMA	1	49	23.97	23.98	23.98	23.78	23.1	1	
20	WCDMA	1	99	22.36	22.46	22.46	22.73			
20	WCDMA	50	0	21.97	21.97	21.97	21.79			
20	WCDMA	50	24	21.71	21.77	21.80	21.77	22.1	2	
20	WCDMA	50	50	21.74	21.74	21.74	21.74			
20	WCDMA	100	0	21.69	21.79	21.67	21.78			
20	WCDMA	1	0	21.35	21.39	21.49	21.43			
20	WCDMA	1	49	21.45	21.50	21.59	21.50	22.1	2	
20	WCDMA	1	99	21.41	21.50	21.50	21.49			
20	WCDMA	50	24	20.21	20.29	20.35	20.28	21.1	3	
20	WCDMA	50	50	20.22	20.29	20.37	20.28			
20	WCDMA	100	0	20.20	20.29	20.35	20.27			
Channel										
Frequency [MHz]										
40.015										
15	QPSK	1	0	22.93	22.98	23.04	22.93			
15	QPSK	1	37	22.97	23.18	23.28	23.17	24.1	0	
15	QPSK	1	74	23.02	23.17	23.27	23.08			
15	QPSK	36	0	22.61	22.75	22.69	22.71			
15	QPSK	36	20	22.54	22.54	22.62	22.62	23.1	1	
15	QPSK	36	36	22.48	22.63	22.72	22.49			
15	QPSK	72	0	22.45	22.62	22.65	22.50			
15	WCDMA	1	0	22.48	22.59	22.59	22.59			
15	WCDMA	1	37	22.54	22.63	22.74	22.59	23.1	1	
15	WCDMA	1	74	22.54	22.73	22.71	22.46			
15	WCDMA	36	0	21.52	21.57	21.65	21.59			
15	WCDMA	36	20	21.54	21.61	21.69	21.55	22.1	2	
15	WCDMA	36	36	21.52	21.58	21.62	21.58			
15	WCDMA	72	0	21.58	21.58	21.63	21.55			
15	WCDMA	1	0	21.18	21.27	21.32	21.31			
15	WCDMA	1	37	21.32	21.41	21.44	21.32	22.1	2	
15	WCDMA	1	74	21.21	21.38	21.39	21.27			
15	WCDMA	36	20	20.02	20.09	20.23	20.01	21.1	3	
15	WCDMA	36	36	20.02	20.15	20.16	19.98			
15	WCDMA	72	0	20.02	20.13	20.11	20.11			
Channel										
Frequency [MHz]										
40.190										
10	QPSK	1	0	22.84	22.89	22.94	22.85			
10	QPSK	1	25	22.97	23.13	23.27	23.07	24.1	0	
10	QPSK	1	49	23.08	23.13	23.22	23.08			
10	QPSK	25	0	22.64	22.62	22.67	22.72			
10	QPSK	25	12	22.45	22.60	22.65	22.65	23.1	1	
10	QPSK	25	25	22.51	22.66	22.67	22.52			
10	QPSK	50	0	22.58	22.65	22.67	22.62			
10	WCDMA	1	0	22.52	22.68	22.61	22.58			
10	WCDMA	1	25	22.52	22.79	22.71	22.52	23.1	1	
10	WCDMA	1	49	22.51	22.74	22.75	22.46			
10	WCDMA	25	0	21.47	21.55	21.57	21.54			
10	WCDMA	25	12	21.47	21.57	21.74	21.68	22.1	2	
10	WCDMA	25	25	21.53	21.57	21.77	21.58			
10	WCDMA	50	0	21.57	21.69	21.79	21.69			
10	WCDMA	1	0	21.20	21.27	21.34	21.22			
10	WCDMA	1	25	21.31	21.38	21.35	21.38	22.1	2	
10	WCDMA	1	49	21.25	21.30	21.43	21.28			
10	WCDMA	25	12	20.08	20.11	20.29	20.09	21.1	3	
10	WCDMA	25	25	20.08	20.12	20.13	19.98			
10	WCDMA	50	0	20.04	20.05	20.15	20.05			
Channel										
Frequency [MHz]										
40.195										
5	QPSK	1	0	22.63	22.68	22.73	22.63			
5	QPSK	1	12	22.68	22.78	22.88	22.68	24.1	0	
5	QPSK	1	24	23.01	23.07	23.21	23.08			
5	QPSK	12	0	22.59	22.62	22.75	22.59			
5	QPSK	12	7	22.47	22.56	22.66	22.56	23.1	1	
5	QPSK	12	12	22.57	22.62	22.75	22.54			
5	QPSK	25	0	22.58	22.65	22.74	22.55			
5	WCDMA	1	0	22.49	22.52	22.59	22.50			
5	WCDMA	1	12	22.59	22.68	22.74	22.57	23.1	1	
5	WCDMA	1	24	22.52	22.77	22.78	22.46			
5	WCDMA	12	7	21.47	21.55	21.62	21.52			
5	WCDMA	12	7	21.59	21.57	21.68	21.68	22.1	2	
5	WCDMA	12	12	21.55	21.75	21.71	21.55			
5	WCDMA	25	0	21.49	21.63	21.69	21.52			
5	WCDMA	1	0	21.18	21.25	21.32	21.24			
5	WCDMA	1	12	21.25	21.35	21.44	21.24	22.1	2	
5	WCDMA	1	24	21.19	21.29	21.37	21.26			
5	WCDMA	12	7	20.01	20.07	20.17	20.09	21.1	3	
5	WCDMA	12	12	20.05	20.08	20.11	20.07			
5	WCDMA	25	0	20.01	20.12	20.12	20.01			

Band 41 (HPUE)_Ant 4													
Site [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Main Ch. [Freq]	Power High Ch. [Freq]	Power Peak Ch. [Freq]	Turn-on time (sec)	MFR (dB)				
Channel													
Frequency [MHz]													
20	QPSK	1	0	23.04	23.04	23.06	23.02	25.1	0				
20	QPSK	1	49	23.13	23.21	23.23	23.13						
20	QPSK	1	99	24.13	24.17	24.08	24.03						
20	QPSK	50	0	23.74	23.73	23.81	23.74	24.1	1				
20	QPSK	50	24	23.68	23.73	23.70	23.64						
20	QPSK	50	50	23.72	23.74	23.73	23.61						
20	WCDMA	1	0	23.98	23.94	23.78	23.98	24.1	1				
20	WCDMA	1	49	23.94	23.94	23.94	23.78						
20	WCDMA	1	99	23.85	23.87	23.82	23.72						
20	WCDMA	50	0	22.81	22.87	22.75	22.75	23.1	2				
20	WCDMA	50	24	22.69	22.71	22.61	22.70						
20	WCDMA	50	50	22.68	22.70	22.77	22.68						
20	WCDMA	100	0	22.62	22.70	22.77	22.68	23.1	2				
20	WCDMA	1	0	22.54	22.59	22.67	22.59						
20	WCDMA	1	49	22.66	22.74	22.77	22.65						
20	WCDMA	1	99	22.61	22.73	22.79	22.54	23.1	2				
20	WCDMA	50	24	21.16	21.23	21.32	21.19						
20	WCDMA	50	50	21.17	21.23	21.31	21.15						
20	WCDMA	100	0	21.13	21.22	21.29	21.17	23.1	3				
Channel													
Frequency [MHz]													
15	QPSK	1	0	40.015	40.005	40.015	40.015	25.1	0	MFR			
15	QPSK	1	37	40.015	40.015	40.015	40.015						
15	QPSK	1	74	40.015	40.015	40.015	40.015						
15	QPSK	36	0	40.015	40.015	40.015	40.015	24.1	1				
15	QPSK	36	20	40.015	40.015	40.015	40.015						
15	QPSK	36	36	40.015	40.015	40.015	40.015						
15	WCDMA	1	0	39.980	39.980	39.980	39.980	24.1	1				
15	WCDMA	1	37	39.980	39.980	39.980	39.980						
15	WCDMA	1	74	39.980	39.980	39.980	39.980						
15	WCDMA	36	0	39.980	39.980	39.980	39.980	23.1	2				
15	WCDMA	36	20	39.980	39.980	39.980	39.980						
15	WCDMA	36	36	39.980	39.980	39.980	39.980						
15	WCDMA	72	0	39.980	39.980	39.980	39.980	23.1	3				
15	WCDMA	1	0	39.980	39.980	39.980	39.980						
15	WCDMA	1	37	39.980	39.980	39.980	39.980						
15	WCDMA	1	74	39.980	39.980	39.980	39.980	23.1	2				
15	WCDMA	36	0	39.980	39.980	39.980	39.980						
15	WCDMA	36	20	39.980	39.980	39.980	39.980						
15	WCDMA	36	36	39.980	39.980	39.980	39.980	23.1	3				
15	WCDMA	72	0	39.980	39.980	39.980	39.980						
15	WCDMA	1	0	39.980	39.980	39.980	39.980						
Channel													
Frequency [MHz]													
30	QPSK	1	0	23.78	23.84	23.86	23.78	25.1	0				
30	QPSK	1	24	24.00	24.00	24.07	24.01						
30	QPSK	1	48	24.00	24.00	24.07	24.01						
30	QPSK	25	0	23.81	23.83	23.87	23.86	24.1	1				
30	QPSK	25	12	23.81	23.83	23.87	23.86						
30	QPSK	25	24	23.81	23.83	23.87	23.86						
30	QPSK	50	0	23.53	23.55	23.57	23.51	24.1	1				
30	QPSK	50	24	23.40	23.40	23.48	23.36						
30	QPSK	50	50	23.40	23.40	23.48	23.36						
30	WCDMA	1	0	23.88	23.79	23.84	23.57	24.1	1				
30	WCDMA	1	24	23.88	23.84	23.88	23.84						
30	WCDMA	1	48	23.88	23.84	23.88	23.84						
30	WCDMA	25	0	22.44	22.51	22.60	22.57	23.1	2				
30	WCDMA	25	12	22.53	22.48	22.53	22.52						
30	WCDMA	25	24	22.53	22.48	22.53	22.52						
30	WCDMA	50	0	22.51	22.46	22.53	22.55	23.1	2				
30	WCDMA	50	24	22.44	22.54	22.58	22.42						
30	WCDMA	50	50	22.54	22.56	22.54	22.42						
30	WCDMA	1	0	22.54	22.56	22.54	22.42	23.1	2				
30	WCDMA	1	49	22.56	22.54	22.57	22.59						
30	WCDMA	1	99	22.56	22.54	22.57	22.59						
30	WCDMA	25	12	21.21	21.12	21.10	21.07	23.1	3				
30	WCDMA	25	24	21.12	21.05	21.08	21.07						
30	WCDMA	25	50	20.95	21.05	21.04	21.04						
Channel													
Frequency [MHz]													
40	QPSK	1	0	40.015	40.005	40.005	40.015	25.1	0	MFR			
40	QPSK	1	12	40.015	40.015	40.015	40.015						
40	QPSK	1	24	40.015	40.015	40.015	40.015						
40	QPSK	12	0	40.015	40.015	40.015	40.015	24.1	1				
40	QPSK	12	6	40.015	40.015	40.015	40.015						
40	QPSK	12	12	40.015	40.015	40.015	40.015						
40	WCDMA	5	0	39.980	39.980	39.980	39.980	24.1	1				
40	WCDMA	5	24	39.980	39.980	39.980	39.980						
40	WCDMA	5	48	39.980	39.980	39.980	39.980						
40	WCDMA	12	0	39.980	39.980	39.980	39.980	24.1	1				
40	WCDMA	12	6	39.980	39.980	39.980	39.980						
40	WCDMA	12	12	39.980	39.980	39.980	39.980						
40	WCDMA	24	0	39.980	39.980	39.980	39.980	23.1	2				
40	WCDMA	24	6	39.980	39.980	39.980	39.980						
40	WCDMA	24	12	39.980	39.980	39.980	39.980						
40	WCDMA	48	0	39.980	39.980	39.980	39.980	23.1	2				
40	WCDMA	48	6	39.980	39.980	39.980	39.980						
40	WCDMA	48	12	39.980	39.980	39.980	39.980						
40	WCDMA	1	0	39.980	39.980	39.980	39.980	23.1	2				
40	WCDMA	1	24	39.980	39.980	39.980	39.980						
40	WCDMA	1	48	39.980	39.980	39.980	39.980						
40	WCDMA	12	7	39.980	39.980	39.980	39.980	23.1	2				
40	WCDMA	12	14	39.980	39.980	39.980	39.980						
40	WCDMA	12	21	39.980	39.980	39.980	39.980						
40	WCDMA	24	13	39.980	39.980	39.980	39.980	23.1	2				
40	WCDMA	24	26	39.980	39.980	39.980	39.980						
40	WCDMA	24	39	39.980	39.980	39.980	39.980						
40	WCDMA	48	13	39.980	39.980	39.980	39.980	23.1	2				
40	WCDMA	48	26	39.980	39.980	39.980	39.980						
40	WCDMA	48	39	39.980	39.980	39.980	39.980						
40	WCDMA	1	0	39.980	39.980	39.980	39.980	23.1	2				
40	WCDMA	1	24	39.980	39.980	39.980	39.980						
40	WCDMA	1	48	39.980	39.980	39.980	39.980						
40	WCDMA	12	7	39.980	39.980	39.980	39.980	23.1	2				
40	WCDMA	12	14	39.980	39.980	39.980	39.980						
40	WCDMA	12	21	39.980	39.980	39.980	39.980						
40	WCDMA	24	13	39.980	39.980	39.980	39.980	23.1	2				
40	WCDMA	24	26	39.980	39.980	39.980	39.980						
40	WCDMA	24	39	39.980	39.980	39.980	39.980						
40	WCDMA	48	13	39.980	39.980	39.980	39.980	23.1	2				
40	WCDMA	48	26	39.980	39.980	39.980	39.980						
40	WCDMA	48	39	39.980	39.980	39.980	39.980						
40	WCDMA	1	0	39.980	39.980	39.980	39.980	23.1	2				
40	WCDMA	1	24	39.980	39.980	39.980	39.980						
40	WCDMA	1	48	39.980	39.980	39.980	39.980						
40	WCDMA	12	7	39.980	39.980	39.980	39.980	23.1	2				
40	WCDMA	12	14	39.980	39.980	39.980	39.980						
40	WCDMA	12	21	39.980	39.980	39.980	39.980						
40	WCDMA	24	13	39.980	39.980	39.980	39.980	23.1	2				
40	WCDMA	24	26	39.980	39.980	39.980	39.980						
40	WCDMA	24	39	39.980	39.980	39.980	39.980						
40	WCDMA	48	13	39.980	39.980	39.980	39.980	23.1	2				
40	WCDMA	48	26	39.980	39.980	39.980	39.980						
40	WCDMA	48	39	39.980	39.980	39.980	39.980						
40	WCDMA	1	0	39.980	39.980	39.980	39.980	23.1	2				
40	WCDMA	1	24	39.980	39.980	39.980	39.980						
40	WCDMA	1	48	39.980	39.980	39.980	39.980						
40	WCDMA	12	7	39.980	39.980	39.980	39.980	23.1	2				
40	WCDMA	12	14	39.980	39.980	39.980	39.980						
40	WCDMA	12	21	39.980	39.980	39.980	39.980						
40	WCDMA	24	13	39.980	39.980	39.980	39.980	23.1	2				
40	WCDMA	24	26	39.980	39.980	39.980	39.980						
40	WCDMA	24	39	39.980	39.980	39.980	39.980						
40	WCDMA	48	13	39.980	39.980	39.980	39.980	23.1	2				
40	WCDMA	48	26	39.980	39.980	39.980	39.980						
40	WCDMA	48	39	39.980	39.980	39.980	39.980						
40	WCDMA	1	0	39.980	39.980	39.980	39.980	23.1	2				
40	WCDMA	1	24	39.980	39.980	39.980	39.980						
40	WCDMA	1	48	39.980	39.980	39.980	39.980						
40	WCDMA	12	7	39.980	39.980	39.980	39.980	23.1	2				
40	WCDMA	12	14	39.980	39.980	39.980	39.980						
40	WCDMA	12	21	39.980	39.980	39.980	39.980						
40	WCDMA	24	13	39.980	39.980	39.980	39.980	23.1	2				
40	WCDMA	24	26	39.980	39.980	39.980	39.980						
40	WCDMA	24	39	39.980	39.980	39.980	39.980						
40	WCDMA	48	13	39.980	39.980	39.980	39.980	23.1	2				
40	WCDMA	48	26	39.980	39.980	39.980	39.980						
40	WCDMA	48	39	39.980	39.980	39.980	39.980						
40	WCDMA	1	0	39.980	39.980	39.980	39.980	23.1	2				
40	WCDMA												

Part 27Q_Band 42_Ant 4									
BW [MHz]	Modulation	RIS Size	RIS Offset	Power Ch. 1 [Freq]	Power Ch. 2 [Freq]	Power Ch. 3 [Freq]	Turn-on time (sec)	MFR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	24.48	24.52	24.50			
10	QPSK	1	48	24.50	24.50	24.50	24.8	0	
20	QPSK	1	88	24.52	24.48	24.50			
20	QPSK	50	0	24.50	24.54	24.52			
20	QPSK	50	24	24.42	24.52	24.45			23.8
20	QPSK	50	54	24.48	24.50	24.41			
20	QPSK	100	0	24.49	24.50	24.50			
10	16QAM	1	0	24.48	24.48	24.48			
10	16QAM	1	48	24.48	24.51	24.50	23.8	1	
20	16QAM	1	88	24.51	24.51	24.48			
20	16QAM	50	0	24.50	24.50	24.50			
20	16QAM	50	24	24.51	24.53	24.52			22.8
20	16QAM	50	54	24.47	24.49	24.47			
20	16QAM	100	0	24.50	24.50	24.51			
20	16QAM	1	0	24.52	24.52	24.50			
20	16QAM	1	48	24.50	24.50	24.50	22.8	2	
20	16QAM	1	88	24.52	24.52	24.50			
20	16QAM	50	0	24.50	24.50	24.50			
20	16QAM	50	24	24.48	24.50	24.51			21.8
20	16QAM	50	50	24.47	24.48	24.47			
20	16QAM	100	0	24.48	24.48	24.47			
Channel									
Frequency (MHz)									
10	QPSK	1	0	24.53	24.53	24.53			
10	QPSK	1	32	24.51	24.49	24.49	24.8	0	
10	QPSK	1	64	24.52	24.52	24.50			
10	QPSK	36	0	24.50	24.51	24.51			
10	QPSK	36	20	24.50	24.52	24.51			23.8
10	QPSK	36	54	24.50	24.50	24.52			
10	QPSK	72	0	24.53	24.51	24.50			
10	16QAM	1	32	24.53	24.48	24.51	23.8	1	
10	16QAM	1	64	24.52	24.50	24.53			
10	16QAM	36	0	24.50	24.50	24.52			
10	16QAM	36	20	24.50	24.50	24.52			22.8
10	16QAM	36	54	24.50	24.50	24.52			
10	16QAM	72	0	24.50	24.52	24.52			
10	16QAM	1	0	24.50	24.50	24.50			
10	16QAM	1	32	24.50	24.51	24.50	22.8	2	
10	16QAM	1	64	24.50	24.50	24.50			
10	16QAM	36	0	24.50	24.50	24.50			
10	16QAM	36	20	24.53	24.50	24.52			21.8
10	16QAM	36	54	24.50	24.53	24.50			
10	16QAM	72	0	24.50	24.52	24.50			
Channel									
Frequency (MHz)									
10	QPSK	1	0	24.51	24.50	24.54			
10	QPSK	1	24	24.44	24.42	24.50	24.8	0	
10	QPSK	1	48	24.50	24.50	24.50			
10	QPSK	20	0	24.54	24.50	24.50			
10	QPSK	20	12	24.51	24.50	24.51			23.8
10	QPSK	20	24	24.52	24.50	24.51			
10	QPSK	50	0	24.50	24.50	24.52			
10	16QAM	1	0	24.48	24.48	24.50			
10	16QAM	1	20	24.50	24.49	24.51	23.8	1	
10	16QAM	1	40	24.50	24.50	24.50			
10	16QAM	20	0	24.50	24.49	24.50			22.8
10	16QAM	20	12	24.50	24.50	24.50			
10	16QAM	20	24	24.50	24.51	24.50			22.8
10	16QAM	50	0	24.50	24.50	24.50			
10	16QAM	1	0	24.54	24.50	24.52			
10	16QAM	1	20	24.50	24.51	24.51			
10	16QAM	1	40	24.50	24.50	24.50			
10	16QAM	20	12	24.50	24.53	24.52			21.8
10	16QAM	20	24	24.50	24.50	24.50			
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.53	24.52	24.53			
5	QPSK	1	12	24.54	24.46	24.50	24.8	0	
5	QPSK	1	24	24.51	24.52	24.50			
5	QPSK	12	0	24.50	24.42	24.50			
5	QPSK	12	7	24.50	24.50	24.50			23.8
5	QPSK	12	14	24.50	24.50	24.50			
5	QPSK	20	0	24.53	24.40	24.50			
5	16QAM	1	0	24.49	24.49	24.49			
5	16QAM	1	12	24.47	24.47	24.52	23.8	1	
5	16QAM	1	24	24.50	24.54	24.50			
5	16QAM	12	7	24.50	24.51	24.51			22.8
5	16QAM	12	14	24.50	24.50	24.50			
5	16QAM	20	0	24.50	24.52	24.50			
5	16QAM	1	0	24.54	24.50	24.50			
5	16QAM	1	12	24.50	24.50	24.50			22.8
5	16QAM	1	24	24.50	24.50	24.50			
5	16QAM	12	7	24.52	24.50	24.50			
5	16QAM	12	14	24.52	24.50	24.50			21.8
5	16QAM	12	21	24.52	24.50	24.50			
5	16QAM	20	0	24.50	24.54	24.50			
5	16QAM	20	0	24.50	24.50	24.50			

Part 27Q_Band 42_Ant 5									
BW [MHz]	Modulation	RIS Size	RIS Offset	Power Ch. 1 [Freq]	Power Ch. 2 [Freq]	Power Ch. 3 [Freq]	Turn-on time (sec)	MFR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	23.21	23.24	23.15			
20	QPSK	1	48	23.24	23.15	23.21	23.4	0	
20	QPSK	50	0	23.21	23.20	23.21			
20	QPSK	50	24	23.20	23.23	23.18			22.4
20	QPSK	50	50	23.15	23.18	23.16			
20	16QAM	1	0	23.21	23.20	23.20			
20	16QAM	1	48	23.20	23.20	23.21	22.4	1	
20	16QAM	1	88	23.20	23.21	23.11			
20	16QAM	50	0	23.16	23.27	23.20			
20	16QAM	50	24	23.24	23.24	23.17			21.4
20	16QAM	50	50	23.20	23.20	23.20			
20	16QAM	100	0	23.20	23.22	23.18			
20	16QAM	1	0	23.11	23.05	20.92			
20	16QAM	1	48	23.14	23.05	20.92	21.4	2	
20	16QAM	1	88	23.09	20.89	20.81			
20	16QAM	50	0	23.24	23.20	23.20			
20	16QAM	50	24	20.92	20.95	20.15			20.4
20	16QAM	50	50	20.90	20.10	20.15			
20	16QAM	100	0	20.91	20.92	20.15			
Channel									
Frequency (MHz)									
15	QPSK	1	0	23.08	23.10	23.02			
15	QPSK	1	32	23.08	23.10	23.10	23.4	0	
15	QPSK	1	64	23.09	23.09	23.09			
15	QPSK	36	0	23.07	23.08	23.04			
15	QPSK	36	20	23.03	23.09	23.04			22.4
15	QPSK	36	48	23.00	23.00	23.00			
15	QPSK	72	0	23.03	23.07	23.00			
15	16QAM	1	32	23.08	23.10	23.11			
15	16QAM	1	64	23.02	23.10	23.08	22.4	1	
15	16QAM	1	74	23.08	23.08	23.01			
15	16QAM	36	0	23.07	23.13	23.00			21.4
15	16QAM	36	20	23.17	23.09	20.97			
15	16QAM	36	48	20.98	20.98	20.83			21.4
15	16QAM	72	0	23.14	23.07	23.05			
15	16QAM	1	0	20.98	20.95	20.83			
15	16QAM	1	32	20.98	20.98	20.98			
15	16QAM	1	64	20.75	20.73	20.59			
15	16QAM	36	0	20.92	20.90	20.91			20.4
15	16QAM	36	20	20.14	20.10	20.83			
15	16QAM	36	36	20.14	19.98	19.92			
15	16QAM	72	0	20.15	20.08	19.94			
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.99	23.13	23.04			
10	QPSK	1	20	23.06	23.21	23.03	23.4	0	
10	QPSK	1	40	23.08	23.06	23.06			
10	QPSK	20	0	20.92	20.91	21.96			
10	QPSK	20	10	22.92	23.06	22.97			22.4
10	QPSK	20	20	23.06	22.95	23.09			
10	QPSK	50	0	23.07	23.04	23.03			
10	16QAM	1	0	23.06	23.06	23.14			
10	16QAM	1	20	20.15	20.13	20.86	22.4	1	
10	16QAM	1	40	22.10	22.10	21.99			
10	16QAM	20	0	23.20	23.11	23.03			21.4
10	16QAM	20	10	23.23	23.02	20.96			
10	16QAM	20	20	23.15	20.95	20.83			
10	16QAM	50	0	23.14	23.01	20.99			
10	16QAM	1	0	20.98	20.84	20.84			21.4
10	16QAM	1	20	20.98	20.98	20.98			
10	16QAM	1	40	20.88	20.78	20.57			
10	16QAM	20	0	23.18	23.09	23.01			21.4
10	16QAM	20	10	23.21	23.00	20.94			
10	16QAM	20	20	23.10	20.90	20.86			20.4
10	16QAM	50	0	23.08	23.07	23.07			
10	16QAM	1	0	20.98	20.95	20.83			
10	16QAM	1	20	20.98	20.98	20.98			
10	16QAM	1	40	20.75	20.73	20.59			21.4
10	16QAM	20	0	20.92	20.90	20.91			
10	16QAM	20	10	20.14	20.10	20.83			
10	16QAM	20	20	20.14	19.98	19.92			
10	16QAM	50	0	20.15	20.08	19.94			20.4
10	16QAM	1	0	20.98	20.95	20.83			
10	16QAM	1	20	20.98	20.98	20.98			
10	16QAM	1	40	20.75	20.73	20.59			
10	16QAM	20	0	20.92	20.90	20.91			
10	16QAM	20	10	20.14	20.10	20.83			
10	16QAM	20	20	20.14	19.98	19.92			
10	16QAM	50	0	20.15	20.08	19.94			

Part 27Q_Band 42_Ant 6											
Site Modulation	Site Size	Site Offset	Power Low Ch. (Freq)	Power Media Ch. (Freq)	Power High Ch. (Freq)	Time-up limit (min)	MFR (dB)				
Channel			42100	42000	42000						
Frequency (MHz)											
20	QPSK	0	23.96	23.91	22.90	23.5	0				
20	QPSK	1	49	23.97	23.10						
20	QPSK	80	80	22.98	22.97						
20	QPSK	50	0	23.97	23.90	22.5	1				
20	QPSK	50	24	22.95	22.90						
20	QPSK	50	50	22.91	21.93						
20	HCQAM	1	0	22.94	22.90	21.90	22.5	1			
20	HCQAM	1	49	22.15	21.98	21.98					
20	HCQAM	1	49	22.15	22.15	21.98					
20	HCQAM	1	99	22.94	21.94	21.98	21.5	2			
20	HCQAM	50	0	21.97	21.91	20.98					
20	HCQAM	50	24	21.99	20.99	20.91					
20	HCQAM	20	20	21.97	20.97	20.91	21.5	2			
20	HCQAM	100	0	21.93	20.97	20.90					
20	HCQAM	1	0	20.83	20.77	20.70					
20	HCQAM	1	49	20.97	20.76	20.68	20.5	3			
20	HCQAM	1	99	20.73	20.60	20.58					
20	HCQAM	20	0	20.97	20.90	19.98					
20	HCQAM	50	24	20.98	19.98	19.92	20.5	3			
20	HCQAM	50	99	19.99	19.94	19.91					
20	HCQAM	100	0	20.95	19.98	19.91					
Channel			42100	42000	42015	Time-up limit (min)	MFR (dB)				
Frequency (MHz)											
10	QPSK	0	22.91	22.90	22.79	23.5	0				
10	QPSK	1	37	22.80	22.88						
10	QPSK	74	74	22.79	22.78						
10	QPSK	36	0	21.90	21.90	21.77	22.5	1			
10	QPSK	36	20	21.80	21.75	21.73					
10	QPSK	36	39	21.88	21.70	21.68					
10	QPSK	75	0	21.83	21.83	21.70	22.5	1			
10	HCQAM	1	37	21.91	21.87	21.87					
10	HCQAM	1	37	22.91	21.91	21.89					
10	HCQAM	1	74	21.88	21.89	21.71	21.5	2			
10	HCQAM	20	0	20.88	20.77	20.84					
10	HCQAM	36	20	20.92	20.83	20.76					
10	HCQAM	36	39	20.99	20.81	20.78	21.5	2			
10	HCQAM	75	0	20.82	20.83	20.76					
10	HCQAM	1	0	20.84	20.82	20.98	21.5	2			
10	HCQAM	1	37	20.74	20.81	20.91					
10	HCQAM	1	74	20.92	20.48	20.98					
10	HCQAM	36	0	19.91	19.78	19.73	20.5	3			
10	HCQAM	36	20	19.84	19.81	19.74					
10	HCQAM	36	39	19.81	19.71	19.70					
10	HCQAM	75	0	19.99	19.72	19.76					
Channel			42100	42000	42060	Time-up limit (min)	MFR (dB)				
Frequency (MHz)											
10	QPSK	0	22.90	22.81	22.74	23.5	0				
10	QPSK	1	25	22.85	22.90			22.72			
10	QPSK	49	49	22.98	22.94			22.98			
10	QPSK	25	0	21.94	21.88	21.79	22.5	1			
10	QPSK	25	12	21.88	21.78	21.71					
10	QPSK	25	25	21.98	21.99	21.72					
10	QPSK	50	0	21.88	21.85	21.79	22.5	1			
10	HCQAM	1	25	21.97	21.95	21.81					
10	HCQAM	1	25	21.92	21.89	21.78					
10	HCQAM	1	49	21.91	21.82	21.74	21.5	2			
10	HCQAM	25	0	20.90	20.90	20.82					
10	HCQAM	25	12	20.89	20.83	20.74					
10	HCQAM	25	25	20.97	20.74	20.75	21.5	2			
10	HCQAM	50	0	20.78	20.78	20.77					
10	HCQAM	1	0	20.99	20.98	20.90					
10	HCQAM	25	25	20.71	20.95	20.93	20.5	3			
10	HCQAM	1	49	20.51	20.42	20.35					
10	HCQAM	25	0	19.93	19.88	19.78					
10	HCQAM	25	12	19.84	19.75	19.87	20.5	3			
10	HCQAM	25	25	19.98	19.79	19.88					
10	HCQAM	50	0	19.95	19.84	19.99					
Channel			42115	42000	42085	Time-up limit (min)	MFR (dB)				
Frequency (MHz)											
5	QPSK	0	22.93	22.90	22.83	23.5	0				
5	QPSK	1	12	22.87	22.93			22.72			
5	QPSK	24	24	22.90	22.98			22.95			
5	QPSK	12	0	21.93	21.97	21.83	22.5	1			
5	QPSK	12	7	21.83	21.87	21.81					
5	QPSK	12	19	21.93	21.90	21.90					
5	QPSK	25	0	21.87	21.99	21.75	22.5	1			
5	HCQAM	1	0	21.94	21.97	21.75					
5	HCQAM	1	12	22.93	21.94	21.73					
5	HCQAM	1	24	21.80	21.73	21.88	21.5	2			
5	HCQAM	25	0	20.95	20.77	20.72					
5	HCQAM	12	7	20.92	20.82	20.79					
5	HCQAM	19	19	20.97	20.77	20.75	20.5	3			
5	HCQAM	25	0	20.80	20.75	20.71					
5	HCQAM	1	0	20.95	20.94	20.48					
5	HCQAM	1	24	20.49	20.53	20.36	20.5	3			
5	HCQAM	19	19	19.95	19.79	19.75					
5	HCQAM	12	7	19.92	19.77	19.78					
5	HCQAM	12	19	19.88	19.72	19.88					
5	HCQAM	25	0	19.95	19.71	19.95					

Band 41_Ant 0										
Port	Modulation	RB Size	RB Offset	Low Freq (MHz)	Center Freq (MHz)	High Freq (MHz)	Power (dBm)	Time-slot (ms)	MIMO	Notes
Frequency Range 1										
20	QPSK	1	0	23.96	23.96	24.04	23.85			
20	QPSK	1	66	24.04	24.04	24.12	23.76			
20	QPSK	50	0	24.02	24.02	24.03	24.03			
20	QPSK	50	66	24.03	24.03	24.04	24.04			
20	QPSK	50	50	24.01	24.01	24.03	23.97		2.0	1
20	QPSK	150	0	24.04	24.04	24.05	24.04			
20	16QAM	1	66	24.05	24.05	24.03	24.03			
20	16QAM	1	66	24.05	24.05	24.03	24.03			
20	16QAM	50	0	24.02	24.02	24.06	24.02			
20	16QAM	50	66	24.03	24.03	24.02	24.02			
20	16QAM	50	50	24.01	24.01	24.03	24.01			
20	16QAM	150	0	24.03	24.03	24.02	24.02		2.0	2
20	16QAM	150	66	24.02	24.02	24.03	24.03			
20	16QAM	1	66	24.05	24.04	24.02	24.02			
20	16QAM	1	66	24.05	24.03	24.04	24.03			
20	16QAM	50	24	24.04	24.06	24.13	24.02			
20	16QAM	50	24	24.04	24.06	24.13	24.02			
20	16QAM	50	0	24.02	24.01	24.10	24.02			
Channel										
20	QPSK	1	0	44.013	44.013	44.016	14.01	Time-slot (ms)	MIMO	Notes
Frequency Range 2										
15	QPSK	1	0	23.95	23.95	23.75	23.85			
15	QPSK	1	67	24.04	24.04	24.01	23.72			
15	QPSK	50	0	24.02	24.02	24.03	24.03			
15	QPSK	50	67	24.01	24.04	24.05	24.01			
15	QPSK	50	50	24.03	24.03	24.04	24.03			
15	QPSK	36	39	24.03	24.03	24.08	23.14			
15	QPSK	75	0	23.97	23.94	23.87	23.94			
15	16QAM	1	67	24.07	24.04	24.00	23.29			
15	16QAM	1	67	24.07	24.04	24.00	23.29			
15	16QAM	50	0	24.02	24.02	24.04	24.02			
15	16QAM	50	67	24.03	24.03	24.02	24.02			
15	16QAM	36	39	24.04	24.03	24.04	24.02			
15	16QAM	75	0	24.00	24.01	24.05	23.23			
15	16QAM	75	67	24.01	24.01	24.06	23.23			
15	16QAM	36	39	24.02	24.02	24.03	24.02			
15	16QAM	1	67	24.08	24.03	24.06	21.96			
15	16QAM	1	74	24.08	24.03	24.05	21.96			
15	16QAM	50	0	24.02	24.01	24.07	24.01			
15	16QAM	50	67	24.03	24.03	24.04	24.01			
15	16QAM	36	39	24.04	24.03	24.04	24.01			
15	16QAM	75	0	24.00	24.00	24.03	24.01			
Channel										
15	QPSK	1	0	44.014	44.014	44.016	14.01	Time-slot (ms)	MIMO	Notes
Frequency Range 3										
5	QPSK	1	0	23.90	23.92	23.93	23.87			
5	QPSK	1	25	24.04	24.05	24.00	23.69			
5	QPSK	1	25	24.04	24.05	24.00	23.69			
5	QPSK	25	0	24.06	24.06	24.07	24.07			
5	QPSK	25	25	24.06	24.06	24.07	24.07			
5	QPSK	25	0	24.06	24.06	24.07	24.07			
5	QPSK	25	25	24.06	24.06	24.07	24.07			
5	QPSK	25	0	24.03	24.03	24.08	23.24			
5	QPSK	25	25	24.03	24.03	24.07	23.24			
5	16QAM	1	25	24.03	24.04	24.00	23.24			
5	16QAM	1	25	24.03	24.04	24.00	23.24			
5	16QAM	12	7	24.03	24.03	24.08	23.29			
5	16QAM	12	7	24.03	24.03	24.08	23.29			
5	16QAM	12	7	24.03	24.03	24.08	23.29		2.0	2
5	16QAM	25	0	24.06	24.06	24.07	24.07			
5	16QAM	25	0	24.06	24.06	24.07	24.07			
5	16QAM	25	0	24.06	24.06	24.07	24.07			
5	16QAM	25	0	24.06	24.06	24.07	24.07			
5	16QAM	25	0	24.06	24.06	24.07	24.07			
5	16QAM	25	0	24.06	24.06	24.07	24.07			
5	16QAM	25	0	24.06	24.06	24.07	24.07			
5	16QAM	25	0	24.06	24.06	24.07	24.07			
5	16QAM	25	0	24.06	24.06	24.07	24.07			
5	16QAM	25	0	24.06	24.06	24.07	24.07			
5	16QAM	25	0	24.06	24.06	24.07	24.07			
5	16QAM	25	0	24.06	24.06	24.07	24.07			
5	16QAM	25	0	24.06	24.06	24.07	24.07			
5	16QAM	25	0	24.06	24.06	24.07	24.07			
5	16QAM	25	0	24.06	24.06	24.07	24.07			
5	16QAM	25	0	24.06	24.06	24.07	24.07			
5	16QAM	25	0	24.06	24.06	24.07	24.07			
5	16QAM	25	0	24.06	24.06	24.07	24.07			
5	16QAM	25	0	24.06	24.06	24.07	24.07			
5	16QAM	25	0	24.06	24.06	24.07	24.07			
5	16QAM	25	0	24.06	24.06	24.07	24.07			
5	16QAM	25	0	24.06	24.06	24.07	24.07			
5	16QAM	25	0	24.06	24.06	24.07	24.07			
5	16QAM	25	0	24.06	24.06	24.07	24.07			
5	16QAM	25	0	24.06	24.06	24.07	24.07			
5	16QAM	25	0	24.06	24.06	24.07	24.07			
5	16QAM	25	0	24.06	24.06	24.07	24.07			
5	16QAM	25	0	24.06	24.06	24.07	24.07			
5	16QAM	25	0	24.06	24.06	24.07	24.07			
5	16QAM	25	0	24.06	24.06	24.07	24.07			
5	16QAM	25	0	24.06	24.06	24.07	24.07			
5	16QAM	25	0	24.06	24.06	24.07	24.07			
5	16QAM	25	0	24.06	24.06	24.07	24.07			
5	16QAM	25	0	24.06	24.06	24.07	24.07			
5	16QAM	25	0	24.06	24.06	24.07	24.07			
5	16QAM	25	0	24.06	24.06	24.07	24.07			
5	16QAM	25	0	24.06	24.06	24.07	24.07			
5	16QAM	25	0	24.06	24.06	24.07	24.07			
5	16QAM	25	0	24.06	24.06	24.07	24.07			
5	16QAM	25	0	24.06	24.06	24.07	24.07			
5	16QAM	25	0	24.06	24.06	24.07	24.07			
5	16QAM	25	0	24.06	24.06	24.07	24.07			
5	16QAM	25	0	24.06	24.06	24.07	24.07			
5	16QAM	25	0	24.06	24.06	24.07	24.07			
5	16QAM	25	0	24.06	24.06	24.07	24.07			
5	16QAM	25	0	24.06	24.06	24.07	24.07			
5	16QAM	25	0	24.06	24.06	24.07	24.07			
5	16QAM	25	0	24.06	24.06	24.07	24.07			
5	16QAM	25	0	24.06	24.06	24.07	24.07			
5	16QAM	25	0	24.06	24.06					

Reduced Power Mode for ECI6

Band 41 (HPUE)_Ant_0											
SPW (MHz)	Modulation	RB Size	RB Offset	Low Pwr (dBm)	Power Pwr (dBm)	High Pwr (dBm)	Power Pwr (dBm)	Time-slot (ms)	MPR (dB)		
Channel 1											
20	QPSK	1	0	24.83	26.86	28.83	29.72	25.0	0		
20	QPSK	1	40	24.83	26.86	28.83	29.72				
20	QPSK	50	0	24.83	26.86	28.83	29.72				
20	QPSK	50	40	24.84	26.86	28.84	29.73				
Channel 2											
20	QPSK	100	0	24.87	26.93	28.85	29.74	24.5	1		
20	QPSK	100	40	24.87	26.93	28.87	29.74				
20	QPSK	50	0	24.88	26.93	28.86	29.74				
20	QPSK	50	40	24.88	26.93	28.86	29.74				
Channel 3											
20	QPSK	100	0	23.52	25.54	27.53	28.41	23.0	2		
20	QPSK	100	40	23.52	25.54	27.53	28.41				
20	QPSK	50	0	23.53	25.54	27.53	28.41				
20	QPSK	50	40	23.53	25.54	27.53	28.41				
Channel 4											
20	QPSK	100	0	22.05	23.07	25.08	25.95	22.0	3		
20	QPSK	100	40	22.05	23.07	25.08	25.95				
20	QPSK	50	0	22.05	23.07	25.08	25.95				
20	QPSK	50	40	22.04	23.07	25.07	25.98				
Channel 5											
20	QPSK	100	0	22.04	23.07	25.07	25.98	22.0	3		
20	QPSK	100	40	22.04	23.07	25.07	25.98				
20	QPSK	50	0	22.04	23.07	25.07	25.98				
20	QPSK	50	40	22.04	23.07	25.07	25.98				
Channel 6											
15	QPSK	1	0	24.81	26.84	28.82	29.68	25.0	0		
15	QPSK	1	37	24.78	26.80	28.80	29.67				
15	QPSK	36	0	24.81	26.83	28.83	29.67				
15	QPSK	36	36	24.81	26.83	28.84	29.67				
Channel 7											
15	QPSK	36	0	24.83	26.86	28.83	29.72	24.5	1		
15	QPSK	36	36	24.83	26.86	28.84	29.72				
15	QPSK	72	0	24.83	26.86	28.83	29.72				
15	QPSK	72	36	24.83	26.86	28.83	29.72				
Channel 8											
15	QPSK	36	0	23.38	24.42	26.43	27.31	23.0	2		
15	QPSK	36	36	23.38	24.41	26.39	27.30				
15	QPSK	72	0	23.38	24.42	26.43	27.31				
15	QPSK	72	36	23.38	24.42	26.43	27.31				
Channel 9											
15	QPSK	36	0	23.31	23.33	25.33	26.23	23.0	2		
15	QPSK	36	36	23.31	23.33	25.33	26.23				
15	QPSK	72	0	23.38	23.39	25.38	26.27				
15	QPSK	72	36	23.38	23.39	25.38	26.27				
Channel 10											
15	QPSK	72	0	23.38	23.39	25.38	26.27	23.0	2		
15	QPSK	72	36	23.38	23.39	25.38	26.27				
15	QPSK	144	0	23.38	23.39	25.38	26.27				
15	QPSK	144	36	23.38	23.39	25.38	26.27				
Channel 11											
15	QPSK	12	0	21.87	21.88	23.87	24.81	22.0	3		
15	QPSK	12	36	21.87	21.88	23.87	24.81				
15	QPSK	24	0	21.87	21.88	23.87	24.81				
15	QPSK	24	36	21.87	21.88	23.87	24.81				
Channel 12											
15	QPSK	12	0	21.84	21.85	23.84	24.77	22.0	3		
15	QPSK	12	36	21.84	21.85	23.84	24.77				
15	QPSK	24	0	21.84	21.85	23.84	24.77				
15	QPSK	24	36	21.84	21.85	23.84	24.77				

Band 41_Ant 1											
PRF [kHz]	Modulation	Bit Rate [kbps]	Ch. Offset [MHz]	Low Power [dBm]	Power Max [dBm]	Power High [dBm]	Power Min [dBm]	Transmit Time [ms]	MFR [dBm]		
Frequency Range											
20	QPSK	1	0	21.66	23.73	23.98	22.01				
20	QPSK	1	40	21.66	23.73	23.98	22.01			22.4	0
20	QPSK	50	0	21.74	23.81	24.05	22.08				
20	QPSK	50	0	21.74	23.81	24.05	22.08				
20	QPSK	50	24	21.74	23.81	24.05	22.08			22.4	0
20	QPSK	50	50	21.58	23.66	23.94	21.83				
20	QPSK	100	0	21.55	23.67	23.94	21.83				
20	QPSK	100	0	21.55	23.67	23.94	21.83				
20	QPSK	100	24	21.55	23.67	23.94	21.83			22.4	0
20	QPSK	100	50	21.73	23.83	24.08	22.14				
20	QPSK	50	24	21.73	23.83	24.08	22.14				
20	QPSK	50	50	21.73	23.83	24.08	22.14				
20	QPSK	100	0	21.73	23.83	24.08	22.14				
20	QPSK	100	24	21.73	23.83	24.08	22.14				
20	QPSK	100	50	21.55	23.65	23.94	21.83				
20	QPSK	1	40	21.51	23.71	23.97	21.78				
20	QPSK	1	80	21.51	23.71	23.97	21.78				
20	QPSK	50	24	20.30	22.47	22.73	20.61			21.8	0.8
20	QPSK	50	50	20.30	22.47	22.73	20.61				
Channel											
				625.5	646.5	676.5	616.5				MFR [dBm]
Frequency Range											
16	QPSK	1	0	21.94	24.02	24.26	22.29				
16	QPSK	1	37	21.62	23.78	24.02	22.04			22.4	0
16	QPSK	36	0	21.47	23.52	23.81	21.70				
16	QPSK	36	0	21.47	23.52	23.81	21.70				
16	QPSK	36	24	21.47	23.52	23.81	21.70			22.4	0
16	QPSK	36	50	21.48	23.54	23.82	21.68				
16	QPSK	75	0	21.35	23.49	23.76	21.51				
16	QPSK	75	24	21.35	23.49	23.76	21.51			22.4	0
16	QPSK	75	50	21.35	23.49	23.76	21.51				
16	QPSK	36	0	21.61	23.64	23.89	21.58				
16	QPSK	36	24	21.63	23.71	23.99	21.69				
16	QPSK	36	50	21.63	23.71	23.99	21.69			22.4	0
16	QPSK	75	0	21.77	23.92	24.18	21.88				
16	QPSK	75	24	21.77	23.92	24.18	21.88				
16	QPSK	75	50	21.77	23.92	24.18	21.88				
16	QPSK	1	37	21.37	23.54	23.79	21.63				
16	QPSK	1	74	21.37	23.54	23.79	21.63				
16	QPSK	1	74	21.37	23.54	23.79	21.63				
16	QPSK	36	24	20.27	22.49	22.75	20.18				
16	QPSK	36	50	20.27	22.49	22.75	20.18				
16	QPSK	36	50	20.10	20.31	20.52	20.02			21.8	0.8
16	QPSK	75	0	20.22	22.34	22.60	20.04				
16	QPSK	75	24	20.22	22.34	22.60	20.04				
16	QPSK	75	50	20.22	22.34	22.60	20.04				
Channel											
				625.5	646.5	676.5	616.5				MFR [dBm]
Frequency Range											
8	QPSK	1	0	21.88	24.02	24.26	22.27				
8	QPSK	1	37	21.68	23.82	24.06	22.23			22.4	0
8	QPSK	12	0	21.54	23.69	23.95	21.87				
8	QPSK	12	0	21.54	23.69	23.95	21.87				
8	QPSK	12	6	21.38	24.47	23.73	21.73				
8	QPSK	12	6	21.38	24.47	23.73	21.73				
8	QPSK	12	12	21.38	24.47	23.73	21.73				
8	QPSK	12	18	21.38	24.47	23.73	21.73				
8	QPSK	24	0	20.36	20.50	20.78	20.71				
8	QPSK	24	6	20.36	20.50	20.78	20.71				
8	QPSK	24	12	20.13	20.24	20.54	20.03			21.8	0.8
8	QPSK	24	18	20.13	20.24	20.54	20.03				
8	QPSK	24	24	20.13	20.24	20.54	20.03				
8	QPSK	12	6	21.51	23.67	23.91	21.89			22.4	0
8	QPSK	12	12	21.51	23.67	23.91	21.89				
8	QPSK	12	18	21.51	23.67	23.91	21.89				
8	QPSK	24	0	21.80	24.05	24.29	22.00				
8	QPSK	24	6	21.80	24.05	24.29	22.00				
8	QPSK	24	12	21.80	24.05	24.29	22.00				
8	QPSK	24	18	21.80	24.05	24.29	22.00				
8	QPSK	24	24	20.38	20.57	20.89	20.85				
8	QPSK	12	6	20.38	20.57	20.89	20.85				
8	QPSK	12	7	20.38	20.57	20.89	20.85				
8	QPSK	12	13	20.38	20.57	20.89	20.85				
8	QPSK	12	19	20.38	20.57	20.89	20.85			21.8	0.8

Band 41 (HPUE)_Ant 1										
SRV (MHz)	Modulation	RB Size	SRV Offset	Low Pwr. (dBm)	Power Pwr. (dBm)	High Pwr. (dBm)	Power Pwr. (dBm)	Transmit Power (dBm)	MFR (MHz)	
Channel Frequency Range (MHz)										
20	QPSK	1	0	-20.83	-20.92	-21.08	-21.15		MFR	0
20	QPSK	1	40	-21.03	-21.07	-21.11	-21.16		21.0	0
20	QPSK	50	0	-21.03	-21.03	-21.28	-21.31			
20	QPSK	50	40	-21.03	-21.03	-21.28	-21.31		21.0	0
20	QPSK	50	80	-20.96	-20.96	-21.11	-21.10			
20	QPSK	100	0	-20.83	-20.92	-21.13	-21.09			
20	QPSK	100	40	-21.03	-21.03	-21.28	-21.31		21.0	0
20	HQAM	1	40	-21.13	-21.13	-21.19	-21.21		21.0	0
20	HQAM	1	80	-21.13	-21.13	-21.19	-21.21			
20	HQAM	50	0	-20.76	-20.80	-21.10	-21.22			
20	HQAM	50	40	-20.83	-20.83	-21.18	-21.18			
20	HQAM	50	80	-20.83	-20.83	-21.18	-21.18			
20	HQAM	100	0	-20.79	-20.83	-21.16	-21.16			
20	HQAM	100	40	-20.83	-20.83	-21.18	-21.18		21.0	0
20	HQAM	100	80	-20.83	-20.83	-21.18	-21.18			
20	HQAM	1	40	-20.83	-20.96	-21.14	-21.08		21.0	0
20	HQAM	1	80	-20.83	-20.96	-21.19	-21.08			
20	HQAM	50	0	-20.79	-20.79	-21.18	-21.18			
20	HQAM	50	24	-20.73	-20.85	-21.08	-21.08			
20	HQAM	50	48	-20.73	-20.85	-21.08	-21.08			
20	HQAM	100	0	-20.72	-20.83	-21.07	-21.05			
Channel										
				-60.15	-60.65	-60.85	-61.65		MFR	0
Frequency Range (MHz)										
15	QPSK	1	0	-20.98	-20.73	-20.95	-20.98		MFR	0
15	QPSK	1	97	-20.98	-20.91	-21.08	-21.14		21.0	0
15	QPSK	1	194	-20.98	-20.91	-21.08	-21.14			
15	QPSK	38.4	0	-20.70	-20.77	-21.04	-21.15			
15	QPSK	38.4	38.4	-20.70	-20.77	-21.04	-21.15			
15	QPSK	38.4	76.8	-20.72	-20.83	-20.98	-20.92			
15	QPSK	75	0	-20.70	-20.79	-20.95	-20.95			
15	QPSK	75	38.4	-20.70	-20.77	-20.92	-20.94			
15	HQAM	1	37	-20.85	-20.84	-21.00	-21.03		21.0	0
15	HQAM	1	74	-20.85	-20.84	-21.00	-21.03			
15	HQAM	38.4	0	-20.73	-20.68	-20.98	-21.01			
15	HQAM	38.4	38.4	-20.68	-20.74	-20.94	-20.91			
15	HQAM	38.4	76.8	-20.68	-20.74	-20.94	-20.91			
15	HQAM	75	0	-20.60	-20.79	-21.01	-21.02			
15	HQAM	75	38.4	-20.60	-20.79	-21.01	-21.02			
15	HQAM	75	76.8	-20.60	-20.79	-21.01	-21.02			
15	HQAM	1	37	-20.83	-20.82	-20.91	-20.97			
15	HQAM	1	74	-20.83	-20.78	-21.05	-20.98			
15	HQAM	38.4	0	-20.71	-20.71	-21.01	-21.01			
15	HQAM	38.4	38.4	-20.71	-20.74	-20.97	-20.97			
15	HQAM	38.4	76.8	-20.71	-20.74	-20.97	-20.97			
15	HQAM	75	0	-20.54	-20.63	-20.90	-20.89			
15	HQAM	75	38.4	-20.54	-20.63	-20.90	-20.89			
15	HQAM	75	76.8	-20.54	-20.63	-20.90	-20.89			
Channel										
				-65.50	-66.00	-66.50	-67.50		MFR	0
Frequency Range (MHz)										
10	QPSK	1	0	-20.92	-20.87	-20.93	-21.02		MFR	0
10	QPSK	1	25	-20.97	-20.93	-21.15	-21.09		21.0	0
10	QPSK	1	50	-20.97	-20.93	-21.15	-21.09			
10	QPSK	25	0	-20.76	-20.81	-21.05	-21.09			
10	QPSK	25	25	-20.76	-20.81	-21.05	-21.09			
10	QPSK	25	50	-20.68	-20.81	-20.91	-20.98			
10	QPSK	50	0	-20.59	-20.68	-20.89	-20.92			
10	QPSK	50	25	-20.59	-20.68	-20.89	-20.92			
10	HQAM	1	25	-20.78	-21.00	-21.00	-20.99		21.0	0
10	HQAM	1	50	-20.78	-21.00	-21.00	-20.99			
10	HQAM	25	0	-20.58	-20.71	-20.88	-20.96			
10	HQAM	25	25	-20.58	-20.71	-20.88	-20.96			
10	HQAM	25	50	-20.63	-20.79	-21.00	-20.95			
10	HQAM	50	0	-20.67	-20.81	-21.05	-20.95			
10	HQAM	50	25	-20.67	-20.81	-21.05	-20.95			
10	HQAM	1	25	-20.57	-20.74	-21.02	-20.88		21.0	0
10	HQAM	1	50	-20.57	-20.74	-21.02	-20.88			
10	HQAM	25	0	-20.47	-20.66	-20.84	-20.94			
10	HQAM	25	25	-20.47	-20.66	-20.84	-20.94			
10	HQAM	25	50	-20.47	-20.66	-20.84	-20.94			
10	HQAM	50	0	-20.47	-20.66	-20.84	-20.94			
10	HQAM	50	25	-20.47	-20.66	-20.84	-20.94			
10	HQAM	50	50	-20.47	-20.66	-20.84	-20.94			
Channel										
				-65.55	-66.05	-66.55	-67.55		MFR	0
Frequency Range (MHz)										
5	QPSK	1	0	-20.86	-20.78	-20.98	-21.03		MFR	0
5	QPSK	1	12	-20.91	-20.97	-21.05	-21.03		21.0	0
5	QPSK	1	24	-20.91	-20.97	-21.05	-21.03			
5	QPSK	12	0	-20.87	-20.84	-21.16	-21.12			
5	QPSK	12	12	-20.87	-20.84	-21.16	-21.12			
5	QPSK	12	24	-20.86	-20.79	-20.95	-20.85			
5	QPSK	25	0	-20.72	-20.70	-20.97	-20.89			
5	QPSK	25	12	-20.72	-20.70	-20.97	-20.89			
5	HQAM	1	12	-20.88	-20.97	-20.95	-21.01		21.0	0
5	HQAM	1	24	-20.88	-20.95	-20.98	-21.06			
5	HQAM	12	0	-20.82	-20.83	-20.98	-21.00			
5	HQAM	12	12	-20.82	-20.83	-20.98	-21.00			
5	HQAM	12	24	-20.82	-20.83	-20.98	-21.00			
5	HQAM	25	0	-20.74	-20.80	-20.91	-20.94			
5	HQAM	25	12	-20.74	-20.80	-20.91	-20.94			
5	HQAM	25	24	-20.74	-20.80	-20.91	-20.94			
5	HQAM	1	0	-20.69	-20.66	-20.81	-20.83			
5	HQAM	1	12	-20.69	-20.66	-20.81	-20.83			
5	HQAM	1	24	-20.69	-20.66	-20.81	-20.83			
5	HQAM	12	0	-20.57	-20.62	-20.85	-20.82		21.0	0
5	HQAM	12	12	-20.57	-20.62	-20.85	-20.82			
5	HQAM	12	24	-20.57	-20.62	-20.85	-20.82			
5	HQAM	25	0	-20.46	-20.59	-20.67	-20.91			
5	HQAM	25	12	-20.46	-20.59	-20.67	-20.91			
5	HQAM	25	24	-20.46	-20.59	-20.67	-20.91			

Band 41_Ant 4										
Site [MHz]	Modulation	Site Size	Site Offset	Power [dBm]	Power [dBm]	Power [dBm]	Power [dBm]	Power [dBm]	Turn-up [dBm]	MFR [dB]
Channel										
Frequency [MHz]										
20	QPSK	1	0	23.59	23.54	23.54	23.58			
20	QPSK	1	49	23.57	23.57	23.58	23.58	24.1	0	
20	QPSK	50	0	22.70	22.76	22.86	22.78			
20	QPSK	50	24	22.70	22.76	22.86	22.78	23.1	1	
20	QPSK	100	0	22.70	22.76	22.86	22.78			
20	QPSK	100	24	22.70	22.76	22.86	22.78			
20	QPSK	1	0	22.70	22.76	22.86	22.78			
20	QPSK	1	49	22.71	22.76	22.86	22.78	23.1	1	
20	QPSK	1	99	22.70	22.86	22.86	22.78			
20	QPSK	50	24	21.71	21.77	21.89	21.79	22.1	2	
20	QPSK	100	0	21.70	21.76	21.86	21.78			
20	QPSK	100	24	21.70	21.76	21.86	21.78			
20	QPSK	1	0	21.70	21.76	21.86	21.78			
20	QPSK	1	49	21.45	21.50	21.59	21.50	22.1	2	
20	QPSK	1	99	21.41	21.53	21.59	21.44			
20	QPSK	50	24	20.21	20.26	20.35	20.26	21.1	3	
20	QPSK	50	50	20.22	20.29	20.37	20.29			
20	QPSK	100	0	20.20	20.29	20.35	20.27			
Channel										
Frequency [MHz]										
15	QPSK	1	0	22.50	22.50	23.54	23.58			
15	QPSK	1	37	22.57	23.18	23.24	23.11	24.1	0	
15	QPSK	1	74	22.58	23.18	23.24	23.11			
15	QPSK	36	0	22.61	22.70	22.89	22.71			
15	QPSK	36	20	22.54	22.54	22.62	22.62	23.1	1	
15	QPSK	36	36	22.48	22.55	22.72	22.48			
15	QPSK	75	0	22.49	22.62	22.69	22.50			
15	QPSK	1	0	22.48	22.69	22.69	22.49			
15	QPSK	1	37	22.54	22.63	22.74	22.59	23.1	1	
15	QPSK	1	74	22.54	22.73	22.71	22.48			
15	QPSK	36	0	21.52	21.57	21.66	21.56	22.1	2	
15	QPSK	36	20	21.54	21.61	21.69	21.59			
15	QPSK	75	0	21.59	21.59	21.63	21.55			
15	QPSK	1	0	21.18	21.27	21.32	21.31	22.1	2	
15	QPSK	1	37	21.52	21.41	21.44	21.50			
15	QPSK	1	74	21.21	21.39	21.39	21.21			
15	QPSK	36	0	20.52	20.55	20.53	20.51	21.1	3	
15	QPSK	36	20	20.52	20.16	20.16	19.99			
15	QPSK	75	0	20.50	20.13	20.11	20.11			
Channel										
Frequency [MHz]										
10	QPSK	1	0	22.24	22.29	22.34	22.25			
10	QPSK	1	20	22.27	22.13	22.27	22.07	24.1	0	
10	QPSK	1	40	22.24	22.24	22.24	22.12			
10	QPSK	25	0	22.44	22.62	22.62	22.12			
10	QPSK	25	12	22.45	22.62	22.65	22.05	23.1	1	
10	QPSK	25	25	22.51	22.68	22.67	22.52			
10	QPSK	50	0	22.58	22.60	22.67	22.62			
10	QPSK	1	0	22.52	22.70	22.71	22.52	23.1	1	
10	QPSK	1	20	22.52	22.71	22.71	22.52			
10	QPSK	1	40	22.51	22.74	22.75	22.46			
10	QPSK	25	0	21.47	21.50	21.57	21.54	22.1	2	
10	QPSK	25	12	21.47	21.57	21.74	21.64			
10	QPSK	50	0	21.57	21.68	21.70	21.60			
10	QPSK	1	0	21.20	21.27	21.34	21.22	22.1	2	
10	QPSK	1	20	21.31	21.39	21.39	21.39			
10	QPSK	1	40	21.20	21.30	21.43	21.29			
10	QPSK	25	0	19.98	20.08	20.07	20.18	21.1	3	
10	QPSK	25	12	20.08	20.11	20.20	20.09			
10	QPSK	25	25	20.08	20.12	20.13	19.98			
10	QPSK	50	0	20.04	20.09	20.19	20.09			
Channel										
Frequency [MHz]										
5	QPSK	1	0	22.50	22.50	23.58	23.58			
5	QPSK	1	12	23.00	23.10	23.20	23.09	24.1	0	
5	QPSK	1	24	23.01	23.07	23.21	23.08			
5	QPSK	12	0	22.59	22.62	22.75	22.69	23.1	1	
5	QPSK	12	7	22.47	22.58	22.68	22.56			
5	QPSK	12	13	22.57	22.62	22.73	22.54			
5	QPSK	25	0	22.58	22.60	22.74	22.59			
5	QPSK	1	0	22.59	22.69	22.64	22.61	23.1	1	
5	QPSK	1	12	22.59	22.77	22.78	22.46			
5	QPSK	1	24	22.52	22.77	22.78	22.46			
5	QPSK	12	0	21.47	21.50	21.62	21.50	22.1	2	
5	QPSK	12	7	21.59	21.57	21.69	21.69			
5	QPSK	1	0	21.49	21.63	21.69	21.59	22.1	2	
5	QPSK	1	12	21.20	21.30	21.32	21.24	22.1	2	
5	QPSK	1	24	21.19	21.30	21.37	21.26			
5	QPSK	12	0	19.98	20.08	20.13	20.13	21.1	3	
5	QPSK	12	7	20.01	20.07	20.17	20.09			
5	QPSK	12	13	20.02	20.06	20.17	20.07			
5	QPSK	25	0	20.02	20.13	20.16	20.02			

Band 41 (HPUE)_Ant 4										
Site [MHz]	Modulation	Site Size	Site Offset	Power [dBm]	Power [dBm]	Power [dBm]	Power [dBm]	Power [dBm]	Turn-up [dBm]	MFR [dB]
Channel				40200	40300	40700	41100	2940		
Frequency [MHz]										
20	QPSK	1	0	23.54	24.04	24.06	23.52		25.1	0
20	QPSK	1	49	24.10	24.21	24.23	24.10	24.1		
20	QPSK	99	24.10	24.17	24.26	24.20				
20	QPSK	50	0	23.50	23.50	23.50	23.50		24.1	1
20	QPSK	50	24	23.68	23.73	23.76	23.64	24.1		
20	QPSK	100	0	23.50	23.71	23.72	23.81			
20	QPSK	1	0	23.54	23.54	23.54	23.76	24.1	24.1	1
20	QPSK	1	49	23.54	23.54	23.54	23.76			
20	QPSK	1	99	23.65	23.67	23.62	23.72			
20	QPSK	50	0	22.50	22.74	22.71	22.53	23.1	23.1	2
20	QPSK	50	24	22.50	22.71	22.81	22.70			
20	QPSK	100	0	22.50	22.70	22.71	22.50			
20	QPSK	1	0	22.54	22.59	22.67	22.59	23.1	23.1	2
20	QPSK	1	49	22.81	22.73	22.79	22.54			
20	QPSK	50	0	21.18	21.18	21.24	21.10	22.1		
20	QPSK	50	24	21.16	21.25	21.32	21.10		22.1	3
20	QPSK	50	50	21.17	21.23	21.31	21.15			
20	QPSK	100	0	21.13	21.22	21.29	21.17			
Channel										
Frequency [MHz]				40215	40405	40705	41105	Turn-up [dBm]	MFR [dB]	
15	QPSK	1	0	23.10	23.10	23.11	23.11		25.1	0
15	QPSK	1	37	24.02	23.98	23.99	24.00	24.1		
15	QPSK	1	74	23.10	23.10	23.11	23.11			
15	QPSK	36	0	23.53	23.38	23.37	23.52		24.1	1
15	QPSK	36	20	23.51	23.59	23.52	23.50	24.1		
15	QPSK	36	36	23.50	23.56	23.48	23.47			
15	QPSK	75	0	23.53	23.47	23.57	23.49		24.1	1
15	QPSK	1	0	23.53	23.57	23.58	23.49			
15	QPSK	1	37	23.50	23.76	23.50	23.54	24.1		
15	QPSK	1	74	23.64	23.74	23.68	23.53		23.1	2
15	QPSK	36	0	22.50	22.50	22.50	22.53	23.1		
15	QPSK	36	20	22.44	22.58	22.62	22.59			
15	QPSK	75	0	22.39	22.30	22.39	22.49		23.1	2
15	QPSK	1	0	22.32	22.47	22.53	22.49	23.1		
15	QPSK	1	37	22.50	22.50	22.56	22.47			
15	QPSK	1	74	22.44	22.50	22.62	22.52		22.1	3
15	QPSK	36	0	20.98	20.97	21.04	21.11	22.1		
15	QPSK	36	20	21.00	21.08	21.07	21.06			
15	QPSK	36	36	20.95	21.10	21.15	20.98		22.1	3
15	QPSK	75	0	20.93	21.02	21.05	21.02			
Channel										
Frequency [MHz]				40100	40400	40700	41100	Turn-up [dBm]	MFR [dB]	
10	QPSK	1	0	23.76	23.84	23.90	23.71		25.1	0
10	QPSK	1	20	24.04	24.09	24.07	24.01	24.1		
10	QPSK	1	40	23.76	23.76	23.76	23.76			
10	QPSK	25	0	23.81	23.75	23.87	23.88		24.1	1
10	QPSK	25	12	23.45	23.53	23.54	23.43	24.1		
10	QPSK	25	24	23.53	23.58	23.57	23.41			
10	QPSK	50	0	23.45	23.60	23.48	23.38		24.1	1
10	QPSK	50	24	23.53	23.58	23.56	23.43			
10	QPSK	100	0	22.44	22.79	22.84	22.57			
10	QPSK	1	0	22.50	22.50	22.50	22.57	23.1	23.1	1
10	QPSK	24	12	22.53	22.48	22.63	22.55			
10	QPSK	24	24	22.44	22.44	22.58	22.44	23.1		
10	QPSK	50	0	22.51	22.48	22.58	22.52		23.1	2
10	QPSK	50	24	22.44	22.44	22.58	22.44			
10	QPSK	100	0	22.54	22.56	22.67	22.49	23.1		
10	QPSK	1	0	22.58	22.54	22.67	22.49		22.1	2
10	QPSK	1	37	22.50	22.50	22.56	22.47			
10	QPSK	1	74	22.44	22.50	22.62	22.52			
10	QPSK	36	0	20.98	20.97	21.04	21.11	22.1	22.1	3
10	QPSK	36	20	21.00	21.08	21.07	21.06			
10	QPSK	36	36	20.95	21.06	21.04	20.97			
Channel										
Frequency [MHz]				40115	40405	40705	41115	Turn-up [dBm]	MFR [dB]	
5	QPSK	1	0	23.85	23.85	23.85	23.78		25.1	0
5	QPSK	1	12	24.04	24.00	24.08	24.04	24.1		
5	QPSK	1	24	23.85	23.85	23.85	23.85			
5	QPSK	12	0	23.83	23.84	23.96	23.83		24.1	1
5	QPSK	12	12	23.49	23.49	23.57	23.49	24.1		
5	QPSK	12	24	23.53	23.58	23.52	23.43			
5	QPSK	25	0	23.49	23.49	23.50	23.49		24.1	1
5	QPSK	25	12	23.49	23.49	23.52	23.43	24.1		
5	QPSK	25	24	23.53	23.58	23.52	23.43			
5	QPSK	50	0	22.49	22.49	22.50	22.49		24.1	1
5	QPSK	50	24	22.49	22.49	22.50	22.49			
5	QPSK	100	0	22.49	22.49	22.50	22.49			
5	QPSK	1	0	22.52	22.52	22.52	22.52	23.1	23.1	2
5	QPSK	1	12	22.41	22.46	22.57	22.52			
5	QPSK	1	24	22.41	22.41	22.56	22.41	23.1		
5	QPSK	12	0	22.49	22.49	22.50	22.49		23.1	2
5	QPSK	12	12	22.41	22.41	22.56	22.41			
5	QPSK	12	24	22.41	22.41	22.56	22.41			
5	QPSK	25	0	22.41	22.41	22.56	22.41		22.1	2
5	QPSK	25	12	22.41	22.41	22.56	22.41			
5	QPSK	25	24	22.41	22.41	22.56	22.41			
5	QPSK	50	0	20.97	20.93	20.91	20.94	22.1	22.1	3
5	QPSK	50	24	20.97	20.93	20.91	20.94			
5	QPSK	100	0	20.96	21.02	21.02	20.96			

Part 27Q_Band 42_Ant 4									
RF [MHz]	Modulation	RF Size	RF Offset	Power Lvl Ch. 1 [Watt]	Power Lvl Ch. 2 [Watt]	Power Lvl Ch. 3 [Watt]	Turn-up time [dBm]	MFR [dB]	
Channel									
Frequency [MHz]									
20	QPSK	1	0	20.68	20.70	20.70		21.3	0
20	QPSK	1	48	20.69	20.70	20.71			
20	QPSK	99	0	20.65	20.65	20.66			
20	QPSK	50	0	20.61	20.64	20.64		21.3	0
20	QPSK	50	24	20.58	20.60	20.61			
20	QPSK	50	50	20.58	20.60	20.60			
20	QPSK	100	0	20.58	20.70	20.69		21.3	0
20	SSBAM	1	48	20.74	20.71	20.65			
20	SSBAM	1	99	20.63	20.63	20.60			
20	SSBAM	50	0	20.63	20.65	20.65		21.3	0
20	SSBAM	50	24	20.60	20.60	20.60			
20	SSBAM	50	50	20.59	20.60	20.62			
20	SSBAM	100	0	20.59	20.62	20.61		21.3	0
20	SSBAM	1	0	20.57	20.42	20.40			
20	SSBAM	1	48	20.59	20.61	20.73			
20	SSBAM	1	99	20.51	20.50	20.51		21.3	0
20	SSBAM	50	24	20.58	20.60	20.61			
20	SSBAM	50	50	20.57	20.56	20.57			
20	SSBAM	100	0	20.58	20.58	20.57		21.3	0
42105 42090 42015									
3407.5 3400 3407.5									
10	QPSK	1	0	20.53	20.49	20.47		21.3	0
10	QPSK	1	37	20.61	20.60	20.54			
10	QPSK	99	0	20.45	20.47	20.47			
10	QPSK	36	20	20.40	20.40	20.52		21.3	0
10	QPSK	36	36	20.35	20.47	20.50			
10	QPSK	70	0	20.48	20.48	20.50			
10	SSBAM	1	37	20.60	20.59	20.50		21.3	0
10	SSBAM	1	74	20.40	20.39	20.35			
10	SSBAM	36	0	20.45	20.45	20.46			
10	SSBAM	36	20	20.42	20.48	20.48		21.3	0
10	SSBAM	70	0	20.38	20.39	20.38			
10	SSBAM	70	0	20.38	20.39	20.38		21.3	0
10	SSBAM	1	0	20.18	20.25	20.23			
10	SSBAM	1	37	20.19	20.19	20.20			
10	SSBAM	1	74	20.18	20.17	20.18		21.3	0
10	SSBAM	36	20	20.34	20.38	20.42			
10	SSBAM	36	36	20.35	20.45	20.44			
10	SSBAM	70	0	20.47	20.41	20.38		21.3	0
42110 42090 42080									
3400 3400 3400									
10	QPSK	1	0	20.49	20.50	20.53		21.3	0
10	QPSK	1	28	20.62	20.58	20.49			
10	QPSK	1	48	20.59	20.60	20.64			
10	QPSK	20	0	20.49	20.47	20.51		21.3	0
10	QPSK	20	12	20.27	20.30	20.34			
10	QPSK	20	24	20.31	20.40	20.38			
10	QPSK	50	0	20.38	20.48	20.43		21.3	0
10	SSBAM	1	0	20.25	20.25	20.49			
10	SSBAM	1	20	20.57	20.53	20.50			
10	SSBAM	1	48	20.44	20.40	20.34		21.3	0
10	SSBAM	20	0	20.43	20.47	20.43			
10	SSBAM	50	0	20.38	20.50	20.45			
10	SSBAM	1	20	20.38	20.35	20.30		21.3	0
10	SSBAM	1	48	20.08	20.18	20.15			
10	SSBAM	20	0	20.48	20.47	20.48			
10	SSBAM	20	12	20.47	20.44	20.41		21.3	0
10	SSBAM	20	20	20.43	20.41	20.41			
10	SSBAM	50	0	20.34	20.38	20.38			
42115 42090 42085									
3402.5 3400 3402.5									
5	QPSK	1	0	20.53	20.56	20.53		21.3	0
5	QPSK	1	12	20.51	20.61	20.59			
5	QPSK	1	24	20.39	20.43	20.48			
5	QPSK	12	7	20.39	20.42	20.33		21.3	0
5	QPSK	12	12	20.33	20.44	20.30			
5	QPSK	20	0	20.41	20.43	20.44			
5	SSBAM	1	0	20.21	20.20	20.48		21.3	0
5	SSBAM	1	12	20.51	20.60	20.48			
5	SSBAM	1	24	20.60	20.43	20.33			
5	SSBAM	12	7	20.50	20.41	20.45		21.3	0
5	SSBAM	12	12	20.35	20.30	20.43			
5	SSBAM	20	0	20.44	20.39	20.38			
5	SSBAM	1	0	20.17	20.22	20.16		21.3	0
5	SSBAM	1	12	20.15	20.20	20.11			
5	SSBAM	1	24	20.14	20.09	20.07			
5	SSBAM	12	7	20.09	20.08	20.09		21.3	0
5	SSBAM	12	12	20.42	20.36	20.41			
5	SSBAM	20	0	20.43	20.41	20.30			

Part 27Q_Band 42_Ant 5									
RF [MHz]	Modulation	RF Size	RF Offset	Power Lvl Ch. 1 [Watt]	Power Lvl Ch. 2 [Watt]	Power Lvl Ch. 3 [Watt]	Turn-up time [dBm]	MFR [dB]	
Channel									
Frequency [MHz]									
20	QPSK	1	0	19.21	19.24	19.15	19.4	0	
20	QPSK	1	48	19.25	19.32	19.21			
20	QPSK	99	0	19.24	19.24	19.05			
20	QPSK	50	0	19.24	19.25	19.05	19.4	0	
20	QPSK	50	24	19.20	19.23	19.18			
20	QPSK	50	50	19.15	19.18	19.18			
20	QPSK	100	0	19.11	19.15	19.13	19.4	0	
20	SSBAM	1	48	19.21	19.25	19.20			
20	SSBAM	1	99	19.20	19.20	19.21			
20	SSBAM	50	24	19.15	19.24	19.17	19.4	0	
20	SSBAM	50	50	19.11	19.09	18.99			
20	SSBAM	100	0	19.05	19.02	19.10			
20	SSBAM	1	0	19.11	19.09	18.99	19.4	0	
20	SSBAM	1	48	19.14	19.05	19.00			
20	SSBAM	1	99	19.06	18.99	18.91			
20	SSBAM	50	24	19.10	19.25	19.15	19.4	0	
20	SSBAM	50	50	19.08	19.19	19.15			
20	SSBAM	100	0	19.01	19.02	19.10			
Channel				42105	42090	42015		MFR [dB]	MFR [dB]
				3407.5 3400 3407.5					
10	QPSK	1	0	19.18	19.18	19.12	19.4	0	
10	QPSK	1	37	19.12	19.13	19.08			
10	QPSK	99	0	19.05	19.06	19.06			
10	QPSK	36	0	19.00	19.00	19.07	19.4	0	
10	QPSK	36	20	19.01	19.02	18.95			
10	QPSK	36	36	19.02	19.08	19.05			
10	QPSK	70	0	19.04	19.00	19.00	19.4	0	
10	SSBAM	1	37	19.06	19.17	19.14			
10	SSBAM	1	37	19.22	19.10	19.01			
10	SSBAM	1	74	19.10	19.09	18.99	19.4	0	
10	SSBAM	36	0	19.17	19.07	19.07			
10	SSBAM	36	20	19.12	19.12	19.03			
10	SSBAM	70	0	19.07	19.07	19.04	19.4	0	
10	SSBAM	1	0	18.88	18.90	18.74			
10	SSBAM	1	37	19.01	19.00	19.10			
10	SSBAM	1	74	18.84	18.79	18.69	19.4	0	
10	SSBAM	36	20	19.17	19.07	18.99			
10	SSBAM	36	36	19.05	19.05	18.96			
10	SSBAM	70	0	19.06	19.10	19.00	19.4	0	
Channel				42110	42090	42015		MFR [dB]	MFR [dB]
				3400 3400 3400					
50	QPSK	1	0	19.18	19.18	19.12	19.4	0	
50	QPSK	1	26	19.07	19.09	19.03			
50	QPSK	99	0	19.04	19.04	19.04			
50	QPSK	25	0	19.00	19.00	19.01	19.4	0	
50	QPSK	25	10	19.00	19.00	19.00			
50	QPSK	25	25	19.02	19.03	19.02			
50	QPSK	50	0	18.97	18.92	19.00	19.4	0	
50	QPSK	50	10	19.00	19.07	19.01			
50	QPSK	50	25	19.10	19.20	19.09			
50	SSBAM	1	26	19.09	19.09	19.09	19.4	0	
50	SSBAM	1	99	19.12	19.11	19.03			
50	SSBAM	25	12	19.17	19.10	19.00			
50	SSBAM	25	10	19.15	19.08	19.04	19.4	0	
50	SSBAM	50	0	19.13	19.10	19.01			
50	SSBAM	50	10	19.10	19.10	19.01			
50	SSBAM	1	26	19.03	19.02	19.17	19.4	0	
50	SSBAM	1	99	19.03	19.02	19.03			
50	SSBAM	1	48	19.07	19.04	19.09			
50	SSBAM	25	12	19.02	19.03	19.01	19.4	0	
50	SSBAM	25	10	19.01	19.01	19.01			
50	SSBAM	50	0	19.07	19.01	19.01			
Channel				42115	42090	42015		MFR [dB]	MFR [dB]
				3400 3400 3400					
5	QPSK	1	0	19.18	19.18	19.12	19.4	0	
5	QPSK	1	12	19.13	19.21	19.09			
5	QPSK	99	0	19.04	19.04	19.04			
5	QPSK	12	0	19.06	19.05	19.03	19.4	0	
5	QPSK	12	10	19.06	19.06	19.06			
5	QPSK	12	15	19.06	19.03	19.04			
5	QPSK	25	0	18.98	19.08	19.00	19.4	0	
5	QPSK	25	10	19.05	19.18	19.03			
5	QPSK	25	15	19.05	19.03	19.04			
5	SSBAM	1	12	19.23	19.17	19.07	19.4	0	
5	SSBAM	1	26	19.20	19.09	19.01			
5	SSBAM	12	26	19.20	19.04	19.01			
5	SSBAM	12	7	19.18	19.12	19.04	19.4	0	
5	SSBAM	12	10	19.18	19.08	19.04			
5	SSBAM	25	0	19.15	19.08	19.08			
5	SSBAM	1	0	19.00	18.86	19.01	19.4	0	
5	SSBAM	1	12	19.00	18.86	19.01			
5	SSBAM	1	24	18.84	18.70	18.83			
5	SSBAM	12	10	19.15	19.02	19.08	19.4	0	
5	SSBAM	12	7	19.15	19.11	19.02			
5	SSBAM	12	15	19.04	19.07	19.01			

Part 27Q_Band 42_Ant 6									
Dist [MHz]	Modulation	IS Size	IS Offset	Power Low Ch. [Freq]	Power Main Ch. [Freq]	Power Type Ch. [Freq]	Turn-up rate [dBm]	MFR [dB]	
Channel				42100	42000	42000			
Frequency [MHz]				3400	3500	3500			
20	QPSK	1	0	23.08	23.01	22.90	23.5	0	
20	QPSK	1	40	22.38	22.37	22.30			
20	QPSK	1	80	22.38	22.37	22.30			
20	QPSK	50	0	22.50	22.50	21.50	22.5	1	
20	QPSK	50	24	22.50	22.50	21.50			
20	QPSK	50	50	22.51	21.53	21.00			
20	QPSK	100	0	22.04	22.02	21.30	22.5	1	
20	QPSK	1	0	22.07	22.08	21.30			
20	QPSK	1	40	22.15	22.15	21.06			
20	QPSK	1	80	22.04	21.04	21.00	21.5	2	
20	QPSK	50	0	21.07	21.01	20.00			
20	QPSK	50	24	21.09	20.99	20.31			
20	QPSK	50	50	21.05	20.95	20.31	21.5	2	
20	QPSK	100	0	21.05	20.97	20.30			
20	QPSK	1	0	20.83	20.77	20.70			
20	QPSK	1	40	20.87	20.76	20.00	21.5	2	
20	QPSK	1	80	20.73	20.60	20.30			
20	QPSK	50	0	20.37	20.39	19.30			
20	QPSK	50	24	20.36	19.30	19.30	20.5	3	
20	QPSK	50	50	19.99	19.94	19.91			
20	QPSK	100	0	20.05	19.90	19.91			
Channel				42100	42000	42015	Turn-up rate [dBm]	MFR [dB]	
Frequency [MHz]				3407.5	3500	3497.5			
10	QPSK	1	0	22.10	22.06	22.10	23.5	0	
10	QPSK	1	37	22.85	22.88	22.79			
10	QPSK	1	74	22.79	22.78	22.80			
10	QPSK	30	0	21.00	21.00	21.77	22.5	1	
10	QPSK	30	20	21.00	21.75	21.73			
10	QPSK	30	30	21.00	21.70	21.00			
10	QPSK	70	0	21.83	21.83	21.70	22.5	1	
10	QPSK	1	0	21.87	21.84	21.87			
10	QPSK	1	37	22.01	21.91	21.89			
10	QPSK	1	74	21.88	21.89	21.71	21.5	2	
10	QPSK	30	0	20.80	20.77	20.84			
10	QPSK	30	20	20.82	20.81	20.73			
10	QPSK	30	30	20.80	20.81	20.70	21.5	2	
10	QPSK	70	0	20.82	20.83	20.70			
10	QPSK	1	0	20.84	20.82	20.80	21.5	2	
10	QPSK	1	37	20.74	20.81	20.81			
10	QPSK	1	74	20.82	20.48	20.30			
10	QPSK	30	0	19.87	19.70	19.73	20.5	3	
10	QPSK	30	20	19.84	19.81	19.74			
10	QPSK	30	30	19.81	19.71	19.75			
10	QPSK	70	0	19.80	19.72	19.70	20.5	3	
10	QPSK	1	0	19.80	19.80	19.80			
10	QPSK	1	37	19.80	19.80	19.80			
10	QPSK	1	74	19.80	19.80	19.80	20.5	3	
10	QPSK	30	0	19.80	19.80	19.80			
10	QPSK	30	20	19.80	19.80	19.80			
10	QPSK	30	30	19.80	19.80	19.80	20.5	3	
10	QPSK	70	0	19.80	19.80	19.80			
10	QPSK	1	0	19.80	19.80	19.80			
10	QPSK	1	37	19.80	19.80	19.80	20.5	3	
10	QPSK	1	74	19.80	19.80	19.80			
10	QPSK	30	0	19.80	19.80	19.80			
10	QPSK	30	20	19.80	19.80	19.80	20.5	3	
10	QPSK	30	30	19.80	19.80	19.80			
10	QPSK	70	0	19.80	19.80	19.80			
10	QPSK	1	0	19.80	19.80	19.80	20.5	3	
10	QPSK	1	37	19.80	19.80	19.80			
10	QPSK	1	74	19.80	19.80	19.80			
10	QPSK	30	0	19.80	19.80	19.80	20.5	3	
10	QPSK	30	20	19.80	19.80	19.80			
10	QPSK	30	30	19.80	19.80	19.80			
10	QPSK	70	0	19.80	19.80	19.80	20.5	3	
10	QPSK	1	0	19.80	19.80	19.80			
10	QPSK	1	37	19.80	19.80	19.80			
10	QPSK	1	74	19.80	19.80	19.80	20.5	3	
10	QPSK	30	0	19.80	19.80	19.80			
10	QPSK	30	20	19.80	19.80	19.80			
10	QPSK	30	30	19.80	19.80	19.80	20.5	3	
10	QPSK	70	0	19.80	19.80	19.80			
10	QPSK	1	0	19.80	19.80	19.80			
10	QPSK	1	37	19.80	19.80	19.80	20.5	3	
10	QPSK	1	74	19.80	19.80	19.80			
10	QPSK	30	0	19.80	19.80	19.80			
10	QPSK	30	20	19.80	19.80	19.80	20.5	3	
10	QPSK	30	30	19.80	19.80	19.80			
10	QPSK	70	0	19.80	19.80	19.80			
10	QPSK	1	0	19.80	19.80	19.80	20.5	3	
10	QPSK	1	37	19.80	19.80	19.80			
10	QPSK	1	74	19.80	19.80	19.80			
10	QPSK	30	0	19.80	19.80	19.80	20.5	3	
10	QPSK	30	20	19.80	19.80	19.80			
10	QPSK	30	30	19.80	19.80	19.80			
10	QPSK	70	0	19.80	19.80	19.80	20.5	3	
10	QPSK	1	0	19.80	19.80	19.80			
10	QPSK	1	37	19.80	19.80	19.80			
10	QPSK	1	74	19.80	19.80	19.80	20.5	3	
10	QPSK	30	0	19.80	19.80	19.80			
10	QPSK	30	20	19.80	19.80	19.80			
10	QPSK	30	30	19.80	19.80	19.80	20.5	3	
10	QPSK	70	0	19.80	19.80	19.80			
10	QPSK	1	0	19.80	19.80	19.80			
10	QPSK	1	37	19.80	19.80	19.80	20.5	3	
10	QPSK	1	74	19.80	19.80	19.80			
10	QPSK	30	0	19.80	19.80	19.80			
10	QPSK	30	20	19.80	19.80	19.80	20.5	3	
10	QPSK	30	30	19.80	19.80	19.80			
10	QPSK	70	0	19.80	19.80	19.80			
10	QPSK	1	0	19.80	19.80	19.80	20.5	3	
10	QPSK	1	37	19.80	19.80	19.80			
10	QPSK	1	74	19.80	19.80	19.80			
10	QPSK	30	0	19.80	19.80	19.80	20.5	3	
10	QPSK	30	20	19.80	19.80	19.80			
10	QPSK	30	30	19.80	19.80	19.80			
10	QPSK	70	0	19.80	19.80	19.80	20.5	3	
10	QPSK	1	0	19.80	19.80	19.80			
10	QPSK	1	37	19.80	19.80	19.80			
10	QPSK	1	74	19.80	19.80	19.80	20.5	3	
10	QPSK	30	0	19.80	19.80	19.80			
10	QPSK	30	20	19.80	19.80	19.80			
10	QPSK	30	30	19.80	19.80	19.80	20.5	3	
10	QPSK	70	0	19.80	19.80	19.80			
10	QPSK	1	0	19.80	19.80	19.80			
10	QPSK	1	37	19.80	19.80	19.80	20.5	3	
10	QPSK	1	74	19.80	19.80	19.80			
10	QPSK	30	0	19.80	19.80	19.80			
10	QPSK	30	20	19.80	19.80	19.80	20.5	3	
10	QPSK	30	30	19.80	19.80	19.80			
10	QPSK	70	0	19.80	19.80	19.80			
10	QPSK	1	0	19.80	19.80	19.80	20.5	3	
10	QPSK	1	37	19.80	19.80	19.80			
10	QPSK	1	74	19.80	19.80	19.80			
10	QPSK	30	0	19.80	19.80	19.80	20.5	3	
10	QPSK	30	20	19.80	19.80	19.80			
10	QPSK	30	30	19.80	19.80	19.80			
10	QPSK	70	0	19.80	19.80	19.80	20.5	3	
10	QPSK	1	0	19.80	19.80	19.80			
10	QPSK	1	37	19.80	19.80	19.80			
10	QPSK	1	74	19.80	19.80	19.80	20.5	3	
10	QPSK	30	0	19.80	19.80	19.80			
10	QPSK	30	20	19.80	19.80	19.80			
10	QPSK	30	30	19.80	19.80	19.80	20.5	3	
10	QPSK	70	0	19.80	19.80	19.80			
10	QPSK	1	0	19.80	19.80	19.80			
10	QPSK	1	37	19.80	19.80	19.80	20.5	3	
10	QPSK	1	74	19.80	19.80	19.80			
10	QPSK	30	0	19.80	19.80	19.80			
10	QPSK	30	20	19.80	19.80	19.80	20.5	3	
10	QPSK	30	30	19.80	19.80	19.80			
10	QPSK	70	0	19.80	19.80	19.80			
10	QPSK	1	0	19.80	19.80	19.80	20.5	3	
10	QPSK	1	37	19.80	19.80	19.80			
10	QPSK	1	74	19.80	19.80	19.80			
10	QPSK	30	0	19.80	19.80	19.80	20.5	3	
10	QPSK	30	20	19.80	19.80	19.80			
10	QPSK	30	30	19.80	19.80	19.80			
10	QPSK	70	0	19.80	19.80	19.80	20.5	3	
10	QPSK	1	0	19.80	19.80	19.80			
10	QPSK	1	37	19.80	19.80	19.80			
10	QPSK	1	74	19.80	19.80	19.80	20.5	3	
10	QPSK	30	0	19.80	19.80	19.80			
10	QPSK	30	20	19.80	19.80	19.80			
10	QPSK	30	30	19.80	19.80	19.80	20.5	3	
10	QPSK	70	0	19.80	19.80	19.80			
10	QPSK	1	0	19.80	19.80	19.80			
10	QPSK	1	37	19.80	19.80	19.80	20.5	3	
10	QPSK	1	74	19.80	19.80	19.80			
10	QPSK	30	0	19.80	19.80	19.80			
10	QPSK	30	20	19.80	19.80	19.80	20.5	3	
10	QPSK	30	30	19.80	19.80	19.80			
10	QPSK	70	0	19.80	19.80	19.80			
10	QPSK	1	0	19.80	19.80	19.80	20.5	3	
10	QPSK	1	37	19.80	19.80	19.80			
10	QPSK	1	74	19.80	19.80	19.80			
10	QPSK	30	0	19.80	19.80	19.80	20.5	3	
10	QPSK	30	20	19.80	19.80	19.80			
10	QPSK	30	30	19.80	19.80	19.80			
10	QPSK	70	0	19.80	19.80	19.80	20.5		

Reduced Power Mode for EC17

Band 41_Ant 0												
BW [MHz]	Modulation	RB [kHz]	RB Offset	Power Low Ch. [Freq.]	Power Line Ch. [Freq.]	Power High Ch. [Freq.]	Power High Ch. [Freq.]	Power High Ch. [Freq.]	Power High Ch. [Freq.]	Turn-up [ms]	APR3 [dB]	
Channel												
Frequency (MHz)				2555	2561	2568	2568	2565				
20	QPSK	1	0	23.58	23.58	24.00	23.88					
20	QPSK	1	48	23.57	23.57	24.12	23.75					
20	QPSK	1	96	24.00	24.00	24.12	23.75			24.8	0	
20	QPSK	50	0	23.55	23.55	23.65	23.47					
20	QPSK	50	24	23.55	23.55	23.65	23.47					
20	QPSK	50	50	23.61	23.58	23.63	23.37			23.8	1	
20	QPSK	100	0	23.54	23.52	23.63	23.43					
20	HQAM	1	0	23.53	23.54	23.58	23.44					
20	HQAM	1	48	23.68	23.65	23.63	23.43			23.8	1	
20	HQAM	1	96	23.61	23.58	23.55	23.35					
20	HQAM	50	0	23.49	23.50	23.58	23.40					
20	HQAM	50	24	23.53	23.54	23.63	23.43					
20	HQAM	50	50	23.60	23.59	23.63	23.37			22.8	2	
20	HQAM	100	0	23.55	23.56	23.61	23.41					
20	HQAM	100	24	23.59	23.58	23.61	23.39					
20	HQAM	1	48	23.58	23.54	23.49	23.18			22.8	2	
20	HQAM	1	96	23.51	23.52	23.45	23.25					
20	HQAM	50	0	23.58	23.59	23.68	23.50					
20	HQAM	50	24	23.64	23.63	23.68	23.48					
20	HQAM	50	50	23.70	23.70	23.75	23.55			21.8	3	
20	HQAM	100	0	23.62	23.65	23.70	23.50					
Channel												
Frequency (MHz)				2562.5	2568.5	2568.5	2567.5	2562.5	Turn-up [ms]	APR3 [dB]		
15	QPSK	1	0	23.70	23.70	23.70	23.60					
15	QPSK	1	30	23.81	23.81	24.01	23.71			24.8	0	
15	QPSK	1	74	23.81	23.80	23.91	23.61					
15	QPSK	36	0	23.41	23.44	23.46	23.33					
15	QPSK	36	24	23.51	23.51	23.66	23.37					
15	QPSK	36	30	23.47	23.40	23.49	23.14			23.8	1	
15	QPSK	78	0	23.42	23.42	23.47	23.24					
15	HQAM	1	0	23.38	23.34	23.38	23.22					
15	HQAM	1	27	23.47	23.44	23.46	23.26			23.8	1	
15	HQAM	1	74	23.51	23.51	23.54	23.24					
15	HQAM	36	0	23.33	23.33	23.33	23.20					
15	HQAM	36	24	23.43	23.43	23.44	23.20					
15	HQAM	36	30	23.38	23.40	23.43	23.22			22.8	2	
15	HQAM	78	0	23.36	23.36	23.37	23.20					
15	HQAM	1	0	23.35	23.35	23.37	23.18					
15	HQAM	1	37	23.18	23.23	23.19	23.08			22.8	2	
15	HQAM	1	74	23.13	23.13	23.27	23.03					
15	HQAM	36	0	23.30	23.30	23.34	23.20					
15	HQAM	36	24	23.40	23.40	23.41	23.18					
15	HQAM	36	30	23.35	23.38	23.37	23.08			21.8	3	
15	HQAM	78	0	23.38	23.38	23.37	23.21					
Channel												
Frequency (MHz)				2562.5	2568.5	2568.5	2567.5	2562.5	Turn-up [ms]	APR3 [dB]		
10	QPSK	1	0	23.64	23.72	23.63	23.67					
10	QPSK	1	24	23.84	23.82	24.00	23.69			24.8	0	
10	QPSK	1	48	23.82	23.82	23.90	23.61					
10	QPSK	25	0	23.67	23.67	23.67	23.54					
10	QPSK	25	13	23.67	23.64	23.64	23.52					
10	QPSK	25	25	23.60	23.48	23.62	23.13			23.8	1	
10	QPSK	50	0	23.43	23.44	23.44	23.21					
10	HQAM	1	0	23.42	23.42	23.39	23.20					
10	HQAM	1	24	23.50	23.48	23.43	23.19			23.8	1	
10	HQAM	1	48	23.50	23.48	23.43	23.19					
10	HQAM	25	0	23.28	23.31	23.40	23.28					
10	HQAM	25	13	23.31	23.43	23.42	23.18					
10	HQAM	25	25	23.40	23.44	23.28	23.13			22.8	2	
10	HQAM	50	0	23.26	23.26	23.24	23.20					
10	HQAM	1	0	23.08	23.03	23.08	23.09					
10	HQAM	1	25	23.12	23.13	23.20	23.05			22.8	2	
10	HQAM	1	48	23.12	23.10	23.23	23.06					
10	HQAM	25	0	23.02	23.08	23.04	23.04					
10	HQAM	25	13	23.06	23.06	23.06	23.06					
10	HQAM	25	25	23.00	23.07	23.10	23.00			21.8	3	
10	HQAM	50	0	23.78	23.62	23.61	23.60					
Channel												
Frequency (MHz)				2567.5	2578.5	2578.5	2577.5	2567.5	Turn-up [ms]	APR3 [dB]		
5	QPSK	1	0	23.73	23.82	23.63	23.64					
5	QPSK	1	12	23.87	23.82	23.87	23.71			24.8	0	
5	QPSK	1	24	23.80	23.80	23.80	23.53					
5	QPSK	12	0	23.43	23.43	23.49	23.32					
5	QPSK	12	7	23.40	23.37	23.49	23.27					
5	QPSK	12	13	23.43	23.44	23.47	23.18			23.8	1	
5	QPSK	25	0	23.43	23.38	23.39	23.24					
5	HQAM	1	0	23.38	23.37	23.41	23.20					
5	HQAM	1	12	23.48	23.44	23.52	23.21			23.8	1	
5	HQAM	1	24	23.48	23.53	23.53	23.21					
5	HQAM	12	0	23.37	23.28	23.31	23.27					
5	HQAM	12	7	23.41	23.43	23.38	23.28					
5	HQAM	12	13	23.43	23.42	23.28	23.23			22.8	2	
5	HQAM	25	0	23.30	23.26	23.43	23.28					
5	HQAM	1	0	23.07	23.08	23.10	23.04					
5	HQAM	1	12	23.13	23.20	23.21	23.00			22.8	2	
5	HQAM	1	24	23.08	23.12	23.21	23.01					
5	HQAM	12	0	23.07	23.07	23.00	23.00					
5	HQAM	12	7	23.06	23.06	23.06	23.06					
5	HQAM	12	13	23.06	23.06	23.06	23.00			21.8	3	
5	HQAM	25	0	23.06	23.00	23.00	23.00					

Band 41 (HPUE)_Ant 0												
BW [MHz]	Modulation	RB [kHz]	RB Offset	Power Low Ch. [Freq.]	Power Line Ch. [Freq.]	Power High Ch. [Freq.]	Power High Ch. [Freq.]	Power High Ch. [Freq.]	Power High Ch. [Freq.]	Turn-up [ms]	APR3 [dB]	
Channel												
Frequency (MHz)				2555	2561	2568	2568	2565				
20	QPSK	1	0	24.43	24.46	24.40	24.72					
20	QPSK	1	48	24.51	24.50	24.52	24.72			25.8	0	
20	QPSK	1	96	24.05	25.08	24.91	24.67					
20	QPSK	50	0	24.40	24.40	24.40	24.40					
20	QPSK	50	24	24.50	24.50	24.50	24.50					
20	QPSK	50	50	24.44	24.48	24.54	24.31			24.8	1	
20	QPSK	100	0	24.37	24.33	24.33	24.30					
20	HQAM	1	0	24.37	24.31	24.38	24.44					
20	HQAM	1	48	24.70	24.73	24.67	24.40			24.8	1	
20	HQAM	1	96	24.31	24.30	24.32	24.30					
20	HQAM	50	0	23.46	23.51	23.50	23.44					
20	HQAM	50	24	23.50	23.54	23.63	23.41					
20	HQAM	50	50	23.58	23.57	23.62	23.30			23.8	2	
20	HQAM	100	0	23.52	23.50	23.58	23.38					
20	HQAM	100	24	23.54	23.54	23.54	23.34					
20	HQAM	1	48	23.43	23.44	23.40	23.10			23.8	2	
20	HQAM	1	96	23.30	23.37	23.38	23.20					
20	HQAM	50	0	23.42	23.41	23.40	23.32					
20	HQAM	50	24	23.50	23.50	23.51	23.40					
20	HQAM	50	50	23.58	23.58	23.58	23.30			22.8	3	
20	HQAM	100	0	23.54	23.55	23.51	23.49					
Channel												
Frequency (MHz)				2562.5	2568.5	2568.5	2567.5	2562.5	Turn-up [ms]	APR3 [dB]		
15	QPSK	1	0	24.41	24.48	24.73	24.46					
15	QPSK	1	30	24.78	24.80	24.80	24.81			25.8	0	
15	QPSK	1	74	24.42	24.78	24.68	24.33					
15	QPSK	36	0	24.31	24.40	24.44	24.27					
15	QPSK	36	24	24.38	24.42	24.31	24.06					
15	QPSK	36	30	24.53	24.56	24.41	24.12			24.8	1	
15	QPSK	75	0	24.30	24.42	24.53	24.10					
15	QPSK	75	24	24.44	24.44	24.39	24.08					
15	HQAM	1	0	24.37	24.31	24.38	24.44					
15	HQAM	1	30	24.70	24.73	24.67	24.40			24.8	1	
15	HQAM	1	74	24.31	24.30	24.32	24.30					
15	HQAM	36	0	23.45	23.46	23.43	23.25					
15	HQAM	36	24	23.55	23.45	23.40	23.20			23.8	2	
15	HQAM	36	30	23.59	23.31	23.30	23.10					
15	HQAM	75	0	23.38	23.30	23.36	23.17					
15	HQAM	75	24	23.48	23.48	23.42	23.11					
15	HQAM	1	30	23.29	23.31	23.30	23.21			23.8	2	
15	HQAM	1	74	23.25	23.32	23.30	23.15					
15	HQAM	36	0	23.36	23.37	23.34	23.16					
15	HQAM	36	24	23.46	23.44	23.41	23.23			22.8	3	
15	HQAM	36	30	23.52	23.38	23.31	23.12					
15	HQAM	75	0	23.19	23.18	23.21	23.02					
Channel												
Frequency (MHz)				2562.5	2568.5	2568.5	2567.5	2562.5	Turn-up [ms]	APR3 [dB]		
10	QPSK	1	0	24.43	24.44	24.34	24.80					
10	QPSK	1	24	24.79	24.80	24.84	24.53			25.8	0	
10	QPSK	1	48	24.45	24.79	24.67	24.35					
10	QPSK	25	0	24.35	24.43	24.47	24.20					
10	QPSK	25	24	24.40	24.44	24.33	24.03			24.8	1	
10	QPSK	50	0	24.44	24.39	24.45	24.19					
10	QPSK	50	24	24.50	24.44	24.48	24.15					
10	QPSK	50	50	24.56	24.60	24.53	24.22			24.8	1	
10	QPSK	100	0	24.44	24.39	24.45	24.19					
10	QPSK	100	24	24.50	24.44	24.48	24.15					
10	HQAM	1	0	24.37	24.37	24.37	24.37					
10	HQAM	1	24	24.59	24.60	24.53	24.22					
10	HQAM	1	48	24.44	24.44	24.44	24.44					
10	HQAM	25	0	23.30	23.37	23.37	23.30			23.8	1	
10	HQAM	25	24	23.38	23.43	23.38	23.24					
10	HQAM	25	50	23.41	23.41	23.41	23.41					
10	HQAM	25	74	23.27	23.37	23.40	23.13			23.8	2	
10	HQAM	50	0	23.30	23.37	23.37	23.30					
10	HQAM	50	24	23.38	23.43	23.38	23.16					
10	HQAM	50	50	23.41	23.41	23.41	23.41					
10	HQAM	50	74	23.27	23.24	23.32	23.12			23.8	2	
10	HQAM	100	0	23.30	23.37	23.37	23.30					
10	HQAM	100	24	23.37	23.45	23.35	23.20					
10	HQAM	100	50	23.41	23.41	23.41	23.41			22.8	3	
10	HQAM	100	74	23.24	23.33	23.36	23.12					
5	QPSK	12	0	25.02	25.06	25.05	25.04					
5	QPSK	12	3	25.02	25.06	25.05	25.04					

Band 41_Ant 4									
BW (MHz)	Modulation	RS Size	RS Offset	Power Low Mod Ch F (MHz)	Power High Mod Ch F (MHz)	Power Low Mod Ch F (MHz)	Power High Mod Ch F (MHz)	Turn-up time (min)	MFR (dB)
Channel									
Frequency (MHz)				2553	2581	2608	2636		
20	QPSK	1	0	23.09	23.14	23.24	23.18	24.1	0
20	QPSK	1	46	23.12	23.17	23.27	23.20		
20	QPSK	50	0	23.15	23.16	23.23	23.19	23.1	
20	QPSK	50	24	23.17	23.18	23.26	23.22		
20	HQAM	1	0	22.89	22.76	22.79	22.76		
20	HQAM	1	49	22.77	22.68	22.68	22.78	23.1	
20	HQAM	1	99	22.75	22.76	22.76	22.75		
20	HQAM	50	0	21.87	21.79	21.81	21.79		
20	HQAM	50	24	21.71	21.71	21.80	21.71	22.1	2
20	HQAM	50	50	21.75	21.81	21.89	21.74		
20	HQAM	100	0	21.68	21.78	21.87	21.78		
20	HQAM	1	0	21.35	21.35	21.45	21.35		
20	HQAM	1	49	21.45	21.53	21.59	21.50	22.1	2
20	HQAM	1	99	21.41	21.52	21.59	21.44		
20	HQAM	50	0	20.14	20.29	20.39	20.39		
20	HQAM	50	24	20.21	20.26	20.35	20.28	21.1	3
20	HQAM	50	50	20.22	20.25	20.37	20.25		
20	HQAM	100	0	20.20	20.29	20.35	20.27		
Channel									
Frequency (MHz)				2652.5	2680.5	2693.5	2647.5	Turn-up time (min)	MFR (dB)
15	QPSK	1	0	22.89	22.89	23.04	23.07	24.1	0
15	QPSK	1	39	22.87	23.13	23.24	23.11		
15	QPSK	1	74	23.08	23.12	23.23	22.99		
15	QPSK	36	0	22.81	22.95	22.88	22.81	23.1	
15	QPSK	36	24	22.84	22.84	22.96	22.82		
15	QPSK	36	39	22.48	22.55	22.72	22.48		
15	QPSK	72	0	22.43	22.62	22.63	22.43		
15	HQAM	1	0	22.48	22.59	22.69	22.69	23.1	
15	HQAM	1	27	22.54	22.63	22.74	22.54		
15	HQAM	1	74	22.54	22.53	22.61	22.48		
15	HQAM	36	0	21.52	21.57	21.65	21.56		
15	HQAM	36	24	21.54	21.61	21.69	21.49	22.1	2
15	HQAM	36	39	21.81	21.88	21.89	21.81		
15	HQAM	72	0	21.58	21.68	21.69	21.58		
15	HQAM	1	0	21.18	21.27	21.35	21.35		
15	HQAM	1	37	21.22	21.41	21.44	21.32	22.1	2
15	HQAM	1	74	21.21	21.39	21.39	21.21		
15	HQAM	36	0	19.98	19.99	20.09	20.17		
15	HQAM	36	24	20.02	20.02	20.12	20.02	21.1	3
15	HQAM	36	39	20.02	20.15	20.15	19.98		
15	HQAM	72	0	20.02	20.13	20.11	20.11		
Channel									
Frequency (MHz)				2553	2580	2610	2636	Turn-up time (min)	MFR (dB)
10	QPSK	1	0	22.54	22.59	23.04	22.85	24.1	0
10	QPSK	1	26	22.87	23.13	23.27	23.07		
10	QPSK	1	49	23.09	23.13	23.27	23.09		
10	QPSK	25	0	22.44	22.62	22.65	22.44	23.1	
10	QPSK	25	12	22.44	22.62	22.65	22.44		
10	QPSK	25	25	22.51	22.68	22.67	22.52	23.1	
10	QPSK	50	0	22.28	22.62	22.67	22.62		
10	HQAM	1	0	22.52	22.69	22.67	22.59		
10	HQAM	1	25	22.62	22.67	22.67	22.62	23.1	
10	HQAM	1	49	22.51	22.74	22.75	22.48		
10	HQAM	25	0	21.47	21.55	21.57	21.54		
10	HQAM	25	12	21.47	21.57	21.74	21.48	22.1	
10	HQAM	25	25	21.39	21.57	21.77	21.39		
10	HQAM	50	0	21.57	21.62	21.74	21.58		
10	HQAM	1	0	21.29	21.37	21.34	21.27		
10	HQAM	1	25	21.31	21.28	21.35	21.38	22.1	2
10	HQAM	1	49	21.25	21.30	21.40	21.28		
10	HQAM	25	0	19.94	20.09	20.07	20.19		
10	HQAM	25	12	20.08	20.15	20.29	20.08	21.1	3
10	HQAM	25	25	20.09	20.12	20.13	19.98		
10	HQAM	50	0	20.04	20.05	20.15	20.05		
Channel									
Frequency (MHz)				2647.5	2679.5	2611.50	2652.5	Turn-up time (min)	MFR (dB)
5	QPSK	1	0	22.58	22.59	23.05	23.02	24.1	0
5	QPSK	1	12	23.00	23.10	23.20	23.08		
5	QPSK	1	24	23.21	23.27	23.27	23.08		
5	QPSK	12	0	22.47	22.58	22.68	22.59		
5	QPSK	12	13	22.57	22.62	22.73	22.54	23.1	
5	QPSK	25	0	22.58	22.60	22.74	22.59		
5	HQAM	1	0	22.48	22.52	22.59	22.49		
5	HQAM	1	24	22.52	22.77	22.78	22.48	23.1	
5	HQAM	12	0	21.47	21.58	21.62	21.45		
5	HQAM	12	7	21.50	21.57	21.66	21.46	22.1	2
5	HQAM	12	13	21.60	21.70	21.71	21.60		
5	HQAM	25	0	21.48	21.62	21.68	21.48		
5	HQAM	1	0	21.18	21.29	21.32	21.24	22.1	
5	HQAM	1	12	21.25	21.32	21.44	21.34		
5	HQAM	1	24	21.19	21.30	21.37	21.26		
5	HQAM	12	0	19.98	20.09	20.10	20.12		
5	HQAM	12	7	20.01	20.07	20.17	20.01	21.1	3
5	HQAM	12	13	20.05	20.09	20.11	20.07		
5	HQAM	25	0	20.01	20.13	20.15	20.02		

Band 41 (HPUE)_Ant 4										
BW (MHz)	Modulation	RS Size	RS Offset	Power Low Mod Ch F (MHz)	Power High Mod Ch F (MHz)	Power Low Mod Ch F (MHz)	Power High Mod Ch F (MHz)	Turn-up time (min)	MFR (dB)	
Channel										
Frequency (MHz)				2655	2681	2698	2635			
20	QPSK	1	0	23.34	24.24	24.38	23.92	25.1	0	
20	QPSK	1	49	23.33	23.33	23.33	23.33			
20	QPSK	1	99	24.13	24.17	24.38	24.03			
20	QPSK	50	0	23.14	23.15	23.21	23.19			
20	QPSK	50	24	23.16	23.17	23.25	23.14	24.1		
20	QPSK	50	50	23.73	23.74	23.73	23.61			
20	QPSK	100	0	23.65	23.71	23.71	23.61	25.1	2	
20	HQAM	1	0	23.36	23.74	23.79	23.68			
20	HQAM	1	49	23.34	23.34	23.34	23.34	24.1		
20	HQAM	1	99	24.13	24.13	24.13	24.13			
20	HQAM	50	0	23.81	23.87	23.76	23.73			
20	HQAM	50	24	23.83	23.87	23.76	23.73			
20	HQAM	50	50	23.86	23.76	23.81	23.69	25.1	2	
20	HQAM	100	0	22.62	22.70	22.71	22.69			
20	HQAM	100	24	22.64	22.70	22.71	22.69			
20	HQAM	100	50	22.67	22.70	22.71	22.69	25.1	2	
20	HQAM	1	49	22.66	22.74	22.77	22.63	25.1	2	
20	HQAM	1	99	23.17	23.17	23.17	23.17			
20	HQAM	50	0	23.17	23.18	23.24	23.12			
20	HQAM	50	24	23.19	23.23	23.32	23.19	25.1	3	
20	HQAM	50	50	23.21	23.23	23.32	23.21			
20	HQAM	100	0	23.13	23.22	23.39	23.17			
Channel										
Frequency (MHz)				4617.5	4640.5	4659.5	4610.5			
20	QPSK	1	0	23.21	23.91	23.81	23.71	25.1	0	
20	QPSK	1	49	23.20	23.90	23.80	23.70			
20	QPSK	1	94	24.01	24.03	23.83	23.86	25.1	0	
20	QPSK	50	0	23.83	23.98	23.87	23.82			
20	QPSK	50	24	23.85	23.98	23.87	23.82			
20	QPSK	50	50	23.90	23.98	23.87	23.82	25.1	1	
20	QPSK	36	39	23.90	23.98	23.88	23.87			
20	QPSK	79	0	23.53	24.27	24.18	23.47			
20	QPSK	79	49	23.51	24.18	24.09	23.45	24.1	1	
20	HQAM	1	37	23.80	23.75	23.80	23.80	24.1	1	
20	HQAM	1	87	23.80	23.75	23.80	23.80			
20	HQAM	50	0	23.50	23.55	23.60	23.53			
20	HQAM	50	24	23.52	23.58	23.62	23.50			
20	HQAM	50	50	23.57	23.58	23.62	23.50	25.1	2	
20	HQAM	79	0	23.39	23.50	23.68	23.49			
20	HQAM	79	49	23.39	23.50	23.68	23.49			
20	HQAM	1	37	23.47	23.47	23.52	23.47	25.1	2	
20	HQAM	1	87	23.45	23.50	23.56	23.47			
20	HQAM	1	74	23.42	23.50	23.52	23.42	25.1	2	
20	HQAM	50	0	23.42	23.47	23.54	23.41			
20	HQAM	50	24	23.43	23.48	23.57	23.40	25.1	3	
20	HQAM	50	50	23.43	23.48	23.57	23.40			
20	HQAM	79	0	23.53	23.52	23.55	23.52			
20	HQAM	79	49	23.53	23.52	23.55	23.52	25.1	3	
Channel										
Frequency (MHz)				46190	46400	46700	46100			
20	QPSK	1	0	23.84	23.84	23.90	23.70	25.1	0	
20	QPSK	1	24	24.04	24.03	24.07	24.01			
20	QPSK	1	49	24.02	24.03	24.07	24.01			
20	QPSK	25	0	23.81	23.83	23.87	23.88			
20	QPSK	25	24	23.83	23.84	23.85	23.84	24.1	1	
20	QPSK	25	50	23.93	23.95	23.97	23.91			
20	QPSK	50	0	23.43	23.60	23.48	23.38			
20	QPSK	50	24	23.45	23.60	23.48	23.38	24.1	1	
20	QPSK	50	50	23.50	23.53	23.58	23.53			
20	HQAM	1	25	23.48	23.79	23.84	23.57	24.1	1	
20	HQAM	1	74	23.44	23.74	23.84	23.54			
20	HQAM	25	0	22.44	22.51	22.60	22.57			
20	HQAM	25	24	22.46	22.54	22.64	22.52	25.1	2	
20	HQAM	25	50	22.53	22.46	22.63	22.53			
20	HQAM	50	0	22.51	22.46	22.63	22.52			
20	HQAM	50	24	22.51	22.46	22.63	22.52	24.1	2	
20	HQAM	50	50	22.54	22.56	22.64	22.52			
20	HQAM	1	49	22.58	22.54	22.67	22.59	25.1	2	
20	HQAM	1	99	22.58	22.53	22.67	22.52			
20	HQAM	25	12	22.01	22.12	22.10	22.07	25.1	3	
20	HQAM	25	49	22.03	22.06	22.12	22.05			
20	HQAM	50	0	22.06	22.06	22.04	22.04			
Channel										
Frequency (MHz)				46185	46485	46602	46178			
20	QPSK	1	0	23.85	23.84	23.91	23.79	25.1	0	
20	QPSK	1	12	23.84	23.80	24.05	23.84			
20	QPSK	1	49	23.83	23.80	24.05	23.84			
20	QPSK	12	0	23.83	23.84	23.98	23.83			
20	QPSK	12	13	23.83	23.84	23.98	23.83	24.1	1	
20	QPSK	45	0	23.49	23.49	23.52	23.43			
20	QPSK	45	24	23.49	23.49	23.50	23.49			
20	QPSK	45	50	23.50	23.49	23.52	23.43	25.1	2	
20	HQAM	1	12	23.59	23.73	23.83	23.63	24.1	1	
20	HQAM	12	0	23.59	23.73	23.83	23.63			
20	HQAM	12	13	23.59	23.73	23.83	23.63			
20	HQAM	1	49	22.42	22.47	22.51	22.46			
20	HQAM	1	99	22.42	22.47	22.51	22.46	25.1	2	
20	HQAM	12	7	22.41	22.56	22.67	22.52			
20	HQAM	12	13	22.41	22.56	22.67	22.52			
20	HQAM	25	0	22.46	22.50	22.62	22.46	25.1	2	
20	HQAM	25	24	22.46	22.50	22.62	22.46			
20	HQAM	25	50	22.46	22.50	22.62	22.46			
20	HQAM	1	49	22.46	22.50	22.62	22.46	25.1	2	
20	HQAM	1	99	22.46	22.50	22.62	22.46			
20	HQAM	1	24	22.37	22.43	22.61	22.34			
20	HQAM	1	74	22.37	22.43	22.61	22.34	25.1	2	
20	HQAM	12	7	22.36	22.42	22.58	22.35			
20	HQAM	12	13	22.36	22.42	22.58	22.35	25.1	3	

Part 27Q_Band 42_Ant 4																
BW [MHz]	Modulation	RF Band	RF Offset	Power Lower Ch [Freq]	Power Middle Ch [Freq]	Power Upper Ch [Freq]	Turn-up time (secs)	MPE (dB)								
Channel																
Frequency (MHz)																
20	QPSK	1	0	21.18	21.22	21.26	21.8	0								
20	QPSK	1	48	21.18	21.22	21.26										
20	QPSK	1	96	21.13	21.13	21.08										
20	QPSK	50	0	21.13	21.14	21.14	21.8	0								
20	QPSK	50	24	21.12	21.12	21.12										
20	QPSK	50	50	21.06	21.10	21.01										
20	QPSK	100	0	21.09	21.12	21.15	21.8	0								
20	16QAM	1	0	21.19	21.21	21.23										
20	16QAM	1	48	21.24	21.21	21.12										
20	16QAM	50	0	21.13	21.15	21.15	21.8	0								
20	16QAM	50	24	21.11	21.13	21.13										
20	16QAM	50	50	21.07	21.10	21.12										
20	16QAM	100	0	21.10	21.12	21.11	21.8	0								
20	16QAM	1	0	20.97	20.92	20.92										
20	16QAM	1	48	20.89	20.80	20.83										
20	16QAM	1	96	20.81	20.79	20.78	21.8	0								
20	16QAM	50	0	21.09	21.12	21.11										
20	16QAM	50	24	21.08	21.10	21.11										
20	16QAM	50	50	21.02	21.06	21.02	21.8	0								
Channel																
Frequency (MHz)																
15	QPSK	1	0	21.02	21.06	21.02			21.8	0						
15	QPSK	1	36	21.08	21.12	20.98										
15	QPSK	1	74	20.94	20.98	20.95										
15	QPSK	36	0	20.96	20.98	20.98	21.8	0								
15	QPSK	36	20	20.93	21.00	20.93										
15	QPSK	36	36	20.92	20.91	20.91										
15	QPSK	74	0	20.92	20.98	20.94	21.8	0								
15	16QAM	1	0	21.01	21.08	21.03										
15	16QAM	1	36	21.07	21.10	21.04										
15	16QAM	1	74	21.00	20.98	20.98	21.8	0								
15	16QAM	36	0	20.89	20.91	20.89										
15	16QAM	36	20	20.94	20.95	20.95										
15	16QAM	36	36	20.91	20.94	20.98	21.8	0								
15	16QAM	74	0	20.92	20.98	20.98										
15	16QAM	74	20	20.97	20.97	20.91										
15	16QAM	1	0	20.95	20.99	20.98	21.8	0								
15	16QAM	1	36	20.93	20.89	20.89										
15	16QAM	1	74	20.97	20.97	20.91										
15	16QAM	36	0	20.92	21.00	20.94	21.8	0								
15	16QAM	36	20	20.96	20.96	20.96										
15	16QAM	36	36	20.93	20.94	20.95										
15	16QAM	75	0	20.93	20.94	20.91	21.8	0								
Channel																
Frequency (MHz)																
10	QPSK	1	0	20.95	21.03	21.07	21.8	0								
10	QPSK	1	20	21.04	21.13	20.98										
10	QPSK	1	48	20.99	20.98	20.98										
10	QPSK	25	0	20.97	20.97	20.97	21.8	0								
10	QPSK	25	12	20.91	20.97	20.96										
10	QPSK	25	25	20.93	20.90	20.79										
10	QPSK	50	0	20.98	20.98	20.98	21.8	0								
10	16QAM	1	0	20.99	21.09	20.97										
10	16QAM	1	48	20.97	20.97	20.93										
10	16QAM	25	0	20.99	20.98	20.93	21.8	0								
10	16QAM	25	12	20.94	21.01	21.00										
10	16QAM	25	25	20.98	20.97	20.98										
10	16QAM	50	0	20.98	21.00	21.00	21.8	0								
10	16QAM	50	12	20.98	20.99	20.99										
10	16QAM	50	25	20.99	20.98	20.98										
10	16QAM	25	0	20.99	20.98	20.99	21.8	0								
10	16QAM	25	12	20.98	20.98	21.00										
10	16QAM	25	25	20.97	20.92	20.90										
10	16QAM	50	0	20.92	20.95	20.95	21.8	0								
Channel																
Frequency (MHz)																
5	QPSK	1	0	21.04	20.99	21.02	21.8	0								
5	QPSK	1	14	21.08	21.16	20.98										
5	QPSK	1	24	20.91	20.98	20.95										
5	QPSK	12	0	20.98	20.97	20.93	21.8	0								
5	QPSK	12	12	20.97	20.97	20.98										
5	QPSK	24	0	20.98	20.98	20.95										
5	16QAM	1	0	20.99	21.07	21.04	21.8	0								
5	16QAM	1	12	21.13	20.98	20.98										
5	16QAM	1	24	20.98	20.98	20.93										
5	16QAM	12	0	20.94	20.97	20.98	21.8	0								
5	16QAM	12	12	20.98	20.93	20.95										
5	16QAM	12	12	20.95	20.97	21.01										
5	16QAM	24	0	20.98	20.99	20.98	21.8	0								
5	16QAM	1	0	20.78	20.75	20.74										
5	16QAM	1	12	20.88	20.80	20.82										
5	16QAM	1	24	20.98	20.98	20.94	21.8	0								
5	16QAM	12	0	20.95	20.90	20.90										
5	16QAM	12	12	20.91	20.95	20.98										
5	16QAM	24	0	20.80	20.82	20.82	21.8	0								
Channel																
Frequency (MHz)																
5	QPSK	1	0	21.04	20.99	21.02	21.8	0								
5	QPSK	1	14	21.08	21.16	20.98										
5	QPSK	1	24	20.91	20.98	20.95										
5	QPSK	12	0	20.98	20.97	20.93	21.8	0								
5	QPSK	12	12	20.97	20.97	20.98										
5	QPSK	24	0	20.98	20.98	20.95										
5	16QAM	1	0	20.99	21.07	21.04	21.8	0								
5	16QAM	1	12	21.13	20.98	20.98										
5	16QAM	1	24	20.98	20.98	20.93										
5	16QAM	12	0	20.94	20.97	20.98	21.8	0								
5	16QAM	12	12	20.98	20.93	20.95										
5	16QAM	12	12	20.95	20.97	21.01										
5	16QAM	24	0	20.98	20.99	20.98	21.8	0								
5	16QAM															

Part 27Q_Band 42_Ant 6										
RF Modulation	RF Band	RF Channel	Power Low Ch (75W)	Power Middle Ch (75W)	Power High Ch (75W)	Time-up (ms) (dBm)	dBm (dB)			
Channel										
Frequency (MHz)			3450	3500	3550					
20	QPSK	1	0	17.86	17.81	17.70	18.5	0		
20	QPSK	1	49	17.76	17.87	17.60				
20	QPSK	50	0	17.83	17.80	17.71				
20	QPSK	50	24	17.82	17.80	17.70	18.5	0		
20	QPSK	50	50	17.81	17.73	17.70				
20	QPSK	100	0	17.84	17.80	17.70				
20	REGAM	1	0	17.82	17.78	17.68	18.5	0		
20	REGAM	1	49	17.80	17.82	17.80				
20	REGAM	50	0	17.77	17.71	17.68				
20	REGAM	50	24	17.75	17.69	17.61	18.5	0		
20	REGAM	50	50	17.72	17.66	17.61				
20	REGAM	100	0	17.75	17.67	17.60				
20	REGAM	1	49	17.67	17.66	17.46	18.5	0		
20	REGAM	1	99	17.53	17.45	17.38				
20	REGAM	50	0	17.87	17.80	17.70				
20	REGAM	50	24	17.86	17.76	17.62	18.5	0		
20	REGAM	50	50	17.74	17.84	17.71				
20	REGAM	100	0	17.85	17.76	17.71				
Channel										
Frequency (MHz)			3455	3500	3545	Time-up (ms) (dBm)	dBm (dB)			
15	QPSK	1	0	17.74	17.68	17.51	18.5	0		
15	QPSK	1	49	17.69	17.74	17.60				
15	QPSK	36	0	17.77	17.68	17.56				
15	QPSK	36	24	17.71	17.67	17.60	18.5	0		
15	QPSK	36	39	17.63	17.65	17.65				
15	QPSK	74	0	17.65	17.61	17.50				
15	REGAM	1	0	17.71	17.67	17.52	18.5	0		
15	REGAM	1	37	17.67	17.68	17.54				
15	REGAM	36	0	17.69	17.67	17.48				
15	REGAM	36	24	17.53	17.47	17.41	18.5	0		
15	REGAM	36	39	17.61	17.49	17.50				
15	REGAM	74	0	17.67	17.66	17.46				
15	REGAM	1	37	17.42	17.33	17.23	18.5	0		
15	REGAM	1	74	17.24	17.33	17.14				
15	REGAM	36	0	17.62	17.50	17.59				
15	REGAM	36	20	17.68	17.65	17.47	18.5	0		
15	REGAM	36	39	17.57	17.63	17.55				
15	REGAM	75	0	17.63	17.54	17.51				
Channel										
Frequency (MHz)			3454	3500	3546	Time-up (ms) (dBm)	dBm (dB)			
10	QPSK	1	0	17.69	17.66	17.56	18.5	0		
10	QPSK	1	49	17.62	17.66	17.52				
10	QPSK	1	49	17.60	17.54	17.44				
10	QPSK	25	0	17.68	17.67	17.60	18.5	0		
10	QPSK	25	12	17.70	17.67	17.55				
10	QPSK	25	25	17.67	17.62	17.57				
10	QPSK	50	0	17.63	17.60	17.53	18.5	0		
10	REGAM	1	0	17.63	17.64	17.53				
10	REGAM	1	49	17.68	17.66	17.52				
10	REGAM	1	49	17.60	17.42	17.36	18.5	0		
10	REGAM	25	0	17.60	17.49	17.41				
10	REGAM	25	12	17.61	17.51	17.43				
10	REGAM	25	12	17.63	17.67	17.60	18.5	0		
10	REGAM	25	25	17.58	17.60	17.56				
10	REGAM	50	0	17.61	17.57	17.50				
Channel										
Frequency (MHz)			3452.5	3500	3547.5	Time-up (ms) (dBm)	dBm (dB)			
5	QPSK	1	0	17.69	17.60	17.54	18.5	0		
5	QPSK	1	50	17.66	17.70	17.50				
5	QPSK	1	24	17.62	17.68	17.49				
5	QPSK	12	0	17.68	17.73	17.46	18.5	0		
5	QPSK	12	1	17.71	17.61	17.52				
5	QPSK	12	12	17.58	17.48	17.47				
5	QPSK	26	0	17.63	17.74	17.59	18.5	0		
5	REGAM	1	0	17.68	17.67	17.57				
5	REGAM	1	12	17.68	17.63	17.46				
5	REGAM	1	24	17.54	17.40	17.33	18.5	0		
5	REGAM	12	0	17.63	17.55	17.46				
5	REGAM	12	1	17.63	17.46	17.46				
5	REGAM	12	12	17.57	17.43	17.40	18.5	0		
5	REGAM	26	0	17.59	17.46	17.37				
5	REGAM	1	0	17.40	17.42	17.30				
5	REGAM	1	12	17.36	17.36	17.31	18.5	0		
5	REGAM	1	24	17.51	17.20	17.14				
5	REGAM	12	0	17.68	17.57	17.52				
5	REGAM	12	1	17.61	17.64	17.56	18.5	0		
5	REGAM	12	12	17.57	17.55	17.50				
5	REGAM	26	0	17.62	17.61	17.57				

Reduced Power Mode for EC18

Band 41_Ant 0												
BW [MHz]	Modulation	RS Rate	RS Offset	Power Line Ch. [F/Freq]	Power Power Line Ch. [F/Freq]	Power High Ch. [F/Freq]	Power Power High Ch. [F/Freq]	Time-up [ms]	MPH [dB]			
Channel												
Frequency (MHz)												
20	DQPSK	1	0	23.40	23.46	23.50	23.56		23.9	0		
20	DQPSK	1	40	23.50	23.56	23.60	23.66					
20	DQPSK	1	80	23.60	23.66	23.70	23.76					
20	DQPSK	50	0	23.10	23.16	23.15	23.21		23.8	0.1		
20	DQPSK	50	24	23.15	23.21	23.20	23.26					
20	DQPSK	50	50	23.11	23.08	23.13	23.07					
20	DQPSK	100	0	23.04	23.08	23.11	23.07		23.8	0.1		
20	DQPSK	100	40	23.09	23.09	23.16	23.13					
20	DQPSK	100	80	23.10	23.10	23.17	23.14		23.8	0.1		
20	DQPSK	100	120	23.11	23.11	23.18	23.15					
20	DQPSK	100	160	23.12	23.12	23.19	23.16		23.8	0.1		
20	DQPSK	100	200	23.13	23.13	23.20	23.17					
20	DQPSK	100	240	23.14	23.14	23.21	23.18		23.8	0.1		
20	DQPSK	100	280	23.15	23.15	23.22	23.19					
20	DQPSK	100	320	23.16	23.16	23.23	23.20		23.8	0.1		
20	DQPSK	100	360	23.17	23.17	23.24	23.21					
20	DQPSK	100	400	23.18	23.18	23.25	23.22		23.8	0.1		
20	DQPSK	100	440	23.19	23.19	23.26	23.23					
20	DQPSK	100	480	23.20	23.20	23.27	23.24		23.8	0.1		
20	DQPSK	100	520	23.21	23.21	23.28	23.25					
20	DQPSK	100	560	23.22	23.22	23.29	23.26		23.8	0.1		
20	DQPSK	100	600	23.23	23.23	23.30	23.27					
20	DQPSK	100	640	23.24	23.24	23.31	23.28		23.8	0.1		
20	DQPSK	100	680	23.25	23.25	23.32	23.29					
20	DQPSK	100	720	23.26	23.26	23.33	23.30		23.8	0.1		
20	DQPSK	100	760	23.27	23.27	23.34	23.31					
20	DQPSK	100	800	23.28	23.28	23.35	23.32		23.8	0.1		
20	DQPSK	100	840	23.29	23.29	23.36	23.33					
20	DQPSK	100	880	23.30	23.30	23.37	23.34		23.8	0.1		
20	DQPSK	100	920	23.31	23.31	23.38	23.35					
20	DQPSK	100	960	23.32	23.32	23.39	23.36		23.8	0.1		
20	DQPSK	100	1000	23.33	23.33	23.40	23.37					
20	DQPSK	100	1040	23.34	23.34	23.41	23.38		23.8	0.1		
20	DQPSK	100	1080	23.35	23.35	23.42	23.39					
20	DQPSK	100	1120	23.36	23.36	23.43	23.40		23.8	0.1		
20	DQPSK	100	1160	23.37	23.37	23.44	23.41					
20	DQPSK	100	1200	23.38	23.38	23.45	23.42		23.8	0.1		
20	DQPSK	100	1240	23.39	23.39	23.46	23.43					
20	DQPSK	100	1280	23.40	23.40	23.47	23.44		23.8	0.1		
20	DQPSK	100	1320	23.41	23.41	23.48	23.45					
20	DQPSK	100	1360	23.42	23.42	23.49	23.46		23.8	0.1		
20	DQPSK	100	1400	23.43	23.43	23.50	23.47					
20	DQPSK	100	1440	23.44	23.44	23.51	23.48		23.8	0.1		
20	DQPSK	100	1480	23.45	23.45	23.52	23.49					
20	DQPSK	100	1520	23.46	23.46	23.53	23.50		23.8	0.1		
20	DQPSK	100	1560	23.47	23.47	23.54	23.51					
20	DQPSK	100	1600	23.48	23.48	23.55	23.52		23.8	0.1		
20	DQPSK	100	1640	23.49	23.49	23.56	23.53					
20	DQPSK	100	1680	23.50	23.50	23.57	23.54		23.8	0.1		
20	DQPSK	100	1720	23.51	23.51	23.58	23.55					
20	DQPSK	100	1760	23.52	23.52	23.59	23.56		23.8	0.1		
20	DQPSK	100	1800	23.53	23.53	23.60	23.57					
20	DQPSK	100	1840	23.54	23.54	23.61	23.58		23.8	0.1		
20	DQPSK	100	1880	23.55	23.55	23.62	23.59					
20	DQPSK	100	1920	23.56	23.56	23.63	23.60		23.8	0.1		
20	DQPSK	100	1960	23.57	23.57	23.64	23.61					
20	DQPSK	100	2000	23.58	23.58	23.65	23.62		23.8	0.1		
20	DQPSK	100	2040	23.59	23.59	23.66	23.63					
20	DQPSK	100	2080	23.60	23.60	23.67	23.64		23.8	0.1		
20	DQPSK	100	2120	23.61	23.61	23.68	23.65					
20	DQPSK	100	2160	23.62	23.62	23.69	23.66		23.8	0.1		
20	DQPSK	100	2200	23.63	23.63	23.70	23.67					
20	DQPSK	100	2240	23.64	23.64	23.71	23.68		23.8	0.1		
20	DQPSK	100	2280	23.65	23.65	23.72	23.69					
20	DQPSK	100	2320	23.66	23.66	23.73	23.70		23.8	0.1		
20	DQPSK	100	2360	23.67	23.67	23.74	23.71					
20	DQPSK	100	2400	23.68	23.68	23.75	23.72		23.8	0.1		
20	DQPSK	100	2440	23.69	23.69	23.76	23.73					
20	DQPSK	100	2480	23.70	23.70	23.77	23.74		23.8	0.1		
20	DQPSK	100	2520	23.71	23.71	23.78	23.75					
20	DQPSK	100	2560	23.72	23.72	23.79	23.76		23.8	0.1		
20	DQPSK	100	2600	23.73	23.73	23.80	23.77					
20	DQPSK	100	2640	23.74	23.74	23.81	23.78		23.8	0.1		
20	DQPSK	100	2680	23.75	23.75	23.82	23.79					
20	DQPSK	100	2720	23.76	23.76	23.83	23.80		23.8	0.1		
20	DQPSK	100	2760	23.77	23.77	23.84	23.81					
20	DQPSK	100	2800	23.78	23.78	23.85	23.82		23.8	0.1		
20	DQPSK	100	2840	23.79	23.79	23.86	23.83					
20	DQPSK	100	2880	23.80	23.80	23.87	23.84		23.8	0.1		
20	DQPSK	100	2920	23.81	23.81	23.88	23.85					
20	DQPSK	100	2960	23.82	23.82	23.89	23.86		23.8	0.1		
20	DQPSK	100	3000	23.83	23.83	23.90	23.87					
20	DQPSK	100	3040	23.84	23.84	23.91	23.88		23.8	0.1		
20	DQPSK	100	3080	23.85	23.85	23.92	23.89					
20	DQPSK	100	3120	23.86	23.86	23.93	23.90		23.8	0.1		
20	DQPSK	100	3160	23.87	23.87	23.94	23.91					
20	DQPSK	100	3200	23.88	23.88	23.95	23.92		23.8	0.1		
20	DQPSK	100	3240	23.89	23.89	23.96	23.93					
20	DQPSK	100	3280	23.90	23.90	23.97	23.94		23.8	0.1		
20	DQPSK	100	3320	23.91	23.91	23.98	23.95					
20	DQPSK	100	3360	23.92	23.92	23.99	23.96		23.8	0.1		
20	DQPSK	100	3400	23.93	23.93	24.00	23.97					
20	DQPSK	100	3440	23.94	23.94	24.01	23.98		23.8	0.1		
20	DQPSK	100	3480	23.95	23.95	24.02	23.99					
20	DQPSK	100	3520	23.96	23.96	24.03	24.00		23.8	0.1		
20	DQPSK	100	3560	23.97	23.97	24.04	24.01					
20	DQPSK	100	3600	23.98	23.98	24.05	24.02		23.8	0.1		

Band 41_Ant 4															
BW (MHz)	Modulation	RS Size	RS Offset	Power Low Ch (Freq)	Power Med Ch (Freq)	Power High Ch (Freq)	Power High Ch (Freq)	Time-up (ms)	APRS (dB)						
Channel															
				2555	2561	2568	2575								
20	QPSK	1	0	22.80	22.84	22.88	22.92	23.7	0						
20	QPSK	1	49	22.80	22.84	22.88	22.92								
20	QPSK	1	99	22.87	23.11	23.16	23.08								
20	QPSK	50	0	22.80	22.84	22.75	22.98			23.1	0.6				
20	QPSK	50	24	22.80	22.84	22.75	22.98								
20	QPSK	50	50	22.83	22.89	22.71	22.98								
20	16QAM	1	0	22.49	22.63	22.68	22.61								
20	16QAM	1	49	22.58	22.75	22.64	22.64	23.1	0.6						
20	16QAM	1	99	22.62	22.84	22.73	22.78								
20	16QAM	50	0	21.43	21.56	21.57	21.48								
20	16QAM	50	24	21.53	21.78	21.57	21.54								
20	16QAM	50	50	21.59	21.69	21.75	21.63	22.1			1.6				
20	16QAM	100	0	21.58	21.58	21.66	21.60								
20	16QAM	1	0	21.13	21.18	21.27	21.24								
20	16QAM	1	49	21.25	21.35	21.47	21.34		22.1	1.6					
20	16QAM	1	99	21.29	21.39	21.34	21.28								
20	16QAM	50	0	19.89	19.84	19.13	19.14								
20	16QAM	50	24	20.00	20.01	20.23	20.07		21.1	2.6					
20	16QAM	50	50	20.09	20.18	20.21	20.18								
20	16QAM	100	0	20.02	20.12	20.18	20.18								
Channel															
				2555.5	2560.5	2565.5	2567.5	Time-up (ms)	APRS (dB)						
18	QPSK	1	0	22.68	22.75	22.83	22.87	23.7	0						
18	QPSK	1	49	22.63	22.61	22.58	22.60								
18	QPSK	1	99	22.67	22.89	23.03	22.88								
18	QPSK	50	0	22.26	22.41	22.38	22.33								
18	QPSK	50	24	22.34	22.38	22.33	22.44			23.1	0.6				
18	QPSK	50	50	22.40	22.38	22.37	22.42								
18	QPSK	100	0	22.23	22.47	22.39	22.38								
18	16QAM	1	0	22.29	22.51	22.59	22.42								
18	16QAM	1	37	22.41	22.57	22.41	22.44	23.1	0.6						
18	16QAM	1	74	22.46	22.45	22.60	22.44								
18	16QAM	36	0	21.24	21.38	21.44	21.43								
18	16QAM	36	24	21.48	21.44	21.51	21.39			22.1	1.6				
18	16QAM	36	50	21.33	21.51	21.59	21.29								
18	16QAM	75	0	21.42	21.35	21.48	21.42								
18	16QAM	1	74	21.52	21.58	21.51	21.51	22.1	1.6						
18	16QAM	1	37	21.09	21.21	21.28	21.21								
18	16QAM	1	74	21.05	21.10	21.21	21.01								
18	16QAM	36	0	19.73	19.81	19.82	19.89								
18	16QAM	36	20	19.79	19.88	19.89	19.81			21.1	2.6				
18	16QAM	36	36	19.87	19.85	19.83	19.86								
18	16QAM	75	0	19.82	19.88	19.89	20.05								
Channel															
				2559	2569	2619	2619	Time-up (ms)	APRS (dB)						
10	QPSK	1	0	22.68	22.72	22.85	22.81	23.7	0						
10	QPSK	1	24	22.84	22.81	22.84	22.88								
10	QPSK	1	49	22.88	22.81	22.89	22.88								
10	QPSK	25	0	22.43	22.48	22.51	22.48								
10	QPSK	25	12	22.51	22.48	22.51	22.48			23.1	0.6				
10	QPSK	25	25	22.39	22.38	22.55	22.45								
10	QPSK	50	0	22.26	22.42	22.57	22.41								
10	16QAM	1	0	22.24	22.59	22.59	22.28								
10	16QAM	1	25	22.28	22.48	22.52	22.43	23.1	0.6						
10	16QAM	1	49	22.46	22.45	22.55	22.41								
10	16QAM	25	0	21.25	21.34	21.45	21.47								
10	16QAM	25	12	21.44	21.37	21.50	21.41			22.1	1.6				
10	16QAM	25	25	21.31	21.58	21.51	21.38								
10	16QAM	50	0	21.46	21.45	21.41	21.46								
10	16QAM	1	0	21.02	21.04	21.12	21.08			22.1	1.6				
10	16QAM	1	25	21.05	21.13	21.29	21.15								
10	16QAM	1	49	21.03	21.13	21.13	21.03								
10	16QAM	25	0	19.77	19.79	19.88	19.82								
10	16QAM	25	12	19.88	19.88	19.83	19.84			21.1	2.6				
10	16QAM	25	25	19.87	19.85	19.83	19.74								
10	16QAM	50	0	19.89	19.81	19.88	20.00								
Channel															
				2617.5	2617.5	2617.5	2617.5	Time-up (ms)	APRS (dB)						
5	QPSK	1	0	22.75	22.73	22.88	22.83	23.7	0						
5	QPSK	1	14	22.79	22.89	23.03	22.89								
5	QPSK	1	24	22.79	22.89	22.88	22.79								
5	QPSK	12	0	22.42	22.48	22.59	22.48								
5	QPSK	12	7	22.51	22.48	22.59	22.48			23.1	0.6				
5	QPSK	12	13	22.39	22.47	22.55	22.47								
5	QPSK	25	0	22.24	22.39	22.58	22.43								
5	16QAM	1	0	22.23	22.41	22.39	22.34			23.1	0.6				
5	16QAM	1	12	22.42	22.41	22.49	22.39								
5	16QAM	12	7	21.37	21.34	21.43	21.43								
5	16QAM	12	13	21.39	21.59	21.62	21.39			22.1	1.6				
5	16QAM	25	0	21.24	21.29	21.42	21.41								
5	16QAM	1	0	20.74	21.05	21.12	21.08								
5	16QAM	1	12	21.13	21.12	21.30	21.22	22.1	1.6						
5	16QAM	1	24	21.05	21.09	21.17	21.05								
5	16QAM	12	0	19.78	19.89	19.84	20.00								
5	16QAM	12	7	19.84	19.88	19.83	19.74			21.1	2.6				
5	16QAM	12	13	19.78	19.85	19.83	19.74								
5	16QAM	25	0	19.87	19.81	19.83	19.82								

Band 41 (HPUE)_Ant 4										
BW (MHz)	Modulation	RS Size	RS Offset	Power Low Ch (Freq)	Power Med Ch (Freq)	Power High Ch (Freq)	Power High Ch (Freq)	Time-up (ms)	APRS (dB)	
Channel										
				2555	2561	2568	2575			
30	QPSK	1	0	22.14	22.24	22.28	22.12	23.1	0	
30	QPSK	1	49	22.15	22.21	22.23	22.15			
30	QPSK	1	99	22.33	22.37	22.38	22.23			
30	QPSK	50	0	22.16	22.25	22.21	22.24			
30	QPSK	50	50	22.23	22.34	22.33	22.11	23.1	0	
30	QPSK	1	0	22.18	22.24	22.29	22.18			
30	QPSK	1	49	22.34	22.35	22.34	22.29			
30	QPSK	1	99	22.35	22.37	22.37	22.24			
30	QPSK	50	0	22.11	22.17	22.25	22.25	23.1	0	
30	QPSK	50	50	22.22	22.33	22.31	22.18			
30	QPSK	50	99	22.32	22.34	22.37	22.13			
30	QPSK	150	0	22.12	22.20	22.27	22.16			
30	QPSK	150	50	22.13	22.22	22.28	22.17	23.1	0	
30	QPSK	1	49	22.34	22.34	22.37	22.13			
30	QPSK	50	99	22.11	22.23	22.24	22.24			
30	QPSK	50	99	22.11	22.23	22.24	22.24			
30	QPSK	50	24	21.16	21.23	21.32	21.32	22.1	1	
30	QPSK	50	74	21.17	21.27	21.37	21.37			
30	QPSK	50	99	21.13	21.22	21.29	21.17			
Channel				4935	4940	4935	4935			
Frequency (kHz)				4935	4940	4935	4935	Time-up (ms)	APRS (dB)	
15	QPSK	1	0	22.01	22.09	22.13	21.98	23.1	0	
15	QPSK	1	97	22.13	22.21	22.18	22.12			
15	QPSK	1	98	22.14	22.22	22.13	22.13			
15	QPSK	36	0	21.89	22.04	22.19	22.12			
15	QPSK	36	36	21.90	22.05	22.12	21.95	23.1	0	
15	QPSK	36	39	21.88	22.02	22.15	21.85			
15	QPSK	75	0	21.93	22.03	22.08	21.86			
15	QPSK	75	36	21.94	22.05	22.08	21.86			
15	QPSK	1	97	22.11	22.08	22.16	22.14	23.1	0	
15	QPSK	1	98	22.12	22.09	22.16	22.14			
15	QPSK	36	0	21.88	21.96	22.08	22.02			
15	QPSK	36	36	21.83	21.96	22.03	21.83			
15	QPSK	36	24	21.93	22.04	22.13	21.93	23.1	0	
15	QPSK	36	74	21.94	22.05	22.13	21.93			
15	QPSK	75	0	21.89	22.07	22.13	22.03			
15	QPSK	75	36	21.90	22.07	22.14	21.86			
15	QPSK	1	97	21.93	22.10	22.15	21.98	23.1	0	
15	QPSK	1	98	21.94	22.09	22.15	21.93			
15	QPSK	36	0	21.87	21.97	22.07	21.87			
15	QPSK	36	36	21.88	21.97	22.07	21.87			
15	QPSK	36	24	21.90	22.10	22.19	21.89	22.1	1	
15	QPSK	36	74	21.91	22.11	22.20	21.91			
15	QPSK	75	0	21.86	21.93	22.11	21.83			
Channel				4935	4940	4935	4935			
Frequency (kHz)				4935	4940	4935	4935	Time-up (ms)	APRS (dB)	
30	QPSK	1	0	21.98	22.09	22.13	21.88	23.1	0	
30	QPSK	1	25	22.10	22.20	22.21	22.10			
30	QPSK	1	97	22.11	22.21	22.22	22.11			
30	QPSK	25	0	22.10	22.14	22.15	22.16			
30	QPSK	25	25	22.11	22.15	22.16	22.16	23.1	0	
30	QPSK	50	0	22.12	22.07	22.12	21.92			
30	QPSK	50	0	21.98	22.07	22.02	21.89			
30	QPSK	50	50	21.99	22.08	22.07	21.89			
30	QPSK	1	25	22.15	22.14	22.16	22.06	23.1	0	
30	QPSK	1	97	22.16	22.26	22.27	22.16			
30	QPSK	25	0	21.98	22.04	22.11	22.02			
30	QPSK	25	25	22.02	22.08	22.10	21.99			
30	QPSK	25	12	22.02	22.08	22.10	21.99	23.1	0	
30	QPSK	25	12	22.02	22.08	22.10	21.99			
30	QPSK	50	0	21.96	22.05	22.07	21.81			
30	QPSK	50	50	21.97	22.06	22.07	21.81			
30	QPSK	1	25	21.92	22.08	22.07	21.98	23.1	0	
30	QPSK	1	97	22.03	22.13	22.14	21.97			
30	QPSK	1	49	22.05	22.03	22.11	21.83			
30	QPSK	1	99	22.06	22.07	22.17	21.88			
30	QPSK	25	12	22.06	22.16	22.21	22.02	22.1	1	
30	QPSK	25	12	22.06	22.16	22.21	22.02			
30	QPSK	50	0	21.95	22.05	22.16	21.81			
Channel				4935	4940	4935	4935			
Frequency (kHz)				4935	4940	4935	4935	Time-up (ms)	APRS (dB)	
30	QPSK	1	0	21.98	22.09	22.13	21.93	23.1	0	
30	QPSK	1	12	22.14	22.28	22.22	22.08			
30	QPSK	1	24	22.15	22.29	22.23	22.09			
30	QPSK	12	0	22.12	22.06	22.11	22.13			
30	QPSK	12	12	22.05	22.07	22.01	21.94	23.1	0	
30	QPSK	12	12	22.05	22.07	22.01	21.94			
30	QPSK	25	0	21.95	22.01	22.01	21.87			
30	QPSK	25	25	22.02	22.12	22.14	22.02			
30	QPSK	1	12	22.13	22.04	22.14	22.07	23.1	0	
30	QPSK	1	24	22.17	22.16	22.14	22.07			
30	QPSK	12	0	21.91	22.04	22.12	21.83			
30	QPSK	12	12	21.92	22.05	22.12	21.83			
30	QPSK	1	24	21.95	22.07	22.07	21.95	23.1	0	
30	QPSK	1	0	21.89	21.96	22.06	21.87			
30	QPSK	1	49	21.90	21.99	22.11	21.83			
30	QPSK	1	99	21.91	22.00	22.12	21.83			
30	QPSK	12	7	21.92	22.08	22.12	21.83	22.1	1	
30	QPSK	12	7	21.92	22.08	22.12	21.83			
30	QPSK	12	7	21.92	22.08	22.12	21.83			
30	QPSK	12	7	21.92	22.08	22.12	21.83			
30	QPSK	1	24	21.88	21.99	22.13	21.80	22.1	1	
30	QPSK	1	24	21.88	21.99	22.13	21.80			
30	QPSK	12	7	21.91	22.04	22.06	21.83			
30	QPSK	12	7	21.92	22.06	22.10	21.84			
30	QPSK	12	7	21.92	22.06	22.10	21.84	22.1	1	
30	QPSK	12	7	21.92	22.06	22.10	21.84			
30	QPSK	12	7	21.92	22.06	22.10	21.84			
30	QPSK	12	7	21.92	22.06	22.10	21.84			

Part 27Q_Band 42_Ant 4												
BW (MHz)	Modulation	RG Plan	RG Offset	Power Low Ch (Freq)	Power Mid Ch (Freq)	Power Hgh Ch (Freq)	Turn-up time (min)	MFR (dB)				
Channel												
Frequency (MHz)				3440	3500	3540						
20	QPSK	1	0	18.18	18.22	18.20	10.0	0				
20	QPSK	1	40	18.13	18.13	18.09						
20	QPSK	50	0	18.11	18.14	18.12						
20	QPSK	24	0	18.02	18.12	18.05	10.0	0				
20	QPSK	50	50	18.06	18.10	18.07						
20	QPSK	100	0	18.09	18.10	18.11						
20	16QAM	1	0	18.19	18.20	18.19	10.0	0				
20	16QAM	1	40	18.24	18.21	18.12						
20	16QAM	50	0	18.13	18.15	18.15						
20	16QAM	50	24	18.11	18.13	18.12	10.0	0				
20	16QAM	50	50	18.07	18.10	18.12						
20	16QAM	100	0	18.10	18.12	18.11						
20	SAGAM	1	0	17.87	17.85	17.85	10.0	0				
20	SAGAM	50	0	18.09	18.12	18.11						
20	SAGAM	50	24	18.08	18.10	18.11						
20	SAGAM	50	50	18.07	18.08	18.07	10.0	0				
20	SAGAM	100	0	18.08	18.08	18.07						
Channel												
Frequency (MHz)				3457.5	3500	3542.5	Turn-up time (min)	MFR (dB)				
15	QPSK	1	0	18.04	18.04	18.02	10.0	0				
15	QPSK	1	27	18.14	18.13	18.04						
15	QPSK	36	0	17.84	17.84	17.82						
15	QPSK	36	24	17.85	17.85	17.81	10.0	0				
15	QPSK	36	50	17.88	17.83	17.85						
15	QPSK	70	0	17.85	17.85	17.81						
15	16QAM	1	0	18.08	18.09	18.08	10.0	0				
15	16QAM	1	37	18.13	18.02	17.81						
15	16QAM	36	0	17.88	17.84	18.03						
15	16QAM	36	20	17.87	17.82	17.88	10.0	0				
15	16QAM	36	50	17.89	17.87	18.02						
15	16QAM	70	0	17.88	17.82	17.86						
15	16QAM	1	0	17.11	17.15	17.13	10.0	0				
15	SAGAM	1	37	17.65	17.76	17.71						
15	SAGAM	1	74	17.88	17.88	17.84						
15	SAGAM	30	0	17.89	17.83	17.89	10.0	0				
15	SAGAM	30	20	17.87	17.86	17.86						
15	SAGAM	30	50	17.87	17.84	17.85						
15	SAGAM	70	0	17.81	17.81	17.86	10.0	0				
Channel												
Frequency (MHz)				3459	3500	3540				Turn-up time (min)	MFR (dB)	
10	QPSK	1	0	18.02	18.10	18.01	10.0	0				
10	QPSK	1	20	18.03	18.04	18.03						
10	QPSK	1	40	17.81	18.09	17.87						
10	QPSK	25	0	17.80	17.81	17.80	10.0	0				
10	QPSK	25	14	17.85	17.85	17.85						
10	QPSK	25	25	17.81	17.89	17.78						
10	QPSK	50	0	17.83	17.87	17.88	10.0	0				
10	16QAM	1	0	18.04	18.08	17.94						
10	16QAM	1	25	18.10	18.02	17.80						
10	16QAM	1	40	17.85	17.83	17.84	10.0	0				
10	16QAM	25	0	17.85	18.00	17.81						
10	16QAM	25	14	17.85	18.01	17.83						
10	16QAM	25	25	17.82	17.84	17.89	10.0	0				
10	16QAM	50	0	17.82	17.81	17.84						
10	16QAM	1	0	17.88	17.83	17.85						
10	SAGAM	1	25	17.74	17.74	17.63	10.0	0				
10	SAGAM	1	40	17.82	17.80	17.87						
10	SAGAM	25	0	17.87	17.89	17.81						
10	SAGAM	25	10	17.84	17.88	17.83	10.0	0				
10	SAGAM	25	25	17.88	17.82	17.83						
10	SAGAM	50	0	17.84	17.83	17.86						
Channel												
Frequency (MHz)				3452.5	3500	3547.5	Turn-up time (min)	MFR (dB)				
5	QPSK	1	0	17.87	18.03	18.03	10.0	0				
5	QPSK	1	14	18.01	18.03	17.88						
5	QPSK	1	24	18.02	18.02	17.87						
5	QPSK	12	0	17.82	17.82	17.82	10.0	0				
5	QPSK	12	7	17.82	17.88	17.80						
5	QPSK	12	13	17.81	17.81	17.82						
5	QPSK	25	0	17.87	17.88	17.87	10.0	0				
5	16QAM	1	0	17.87	17.79	17.87						
5	16QAM	1	12	18.02	18.02	17.82						
5	16QAM	1	24	17.88	17.88	17.86	10.0	0				
5	16QAM	12	0	17.86	17.81	17.88						
5	16QAM	12	13	17.84	17.89	17.89						
5	16QAM	25	0	17.84	17.85	17.84	10.0	0				
5	16QAM	1	0	17.84	17.76	17.76						
5	SAGAM	1	12	17.73	17.72	17.61	10.0	0				
5	SAGAM	1	24	17.87	17.89	17.87						
5	SAGAM	12	0	17.89	17.89	17.89						
5	SAGAM	12	7	17.89	17.89	17.89	10.0	0				
5	SAGAM	12	13	17.85	17.84	17.85						
5	SAGAM	25	0	17.84	17.85	17.84						

Part 27Q_Band 42_Ant 5												
BW (MHz)	Modulation	RG Plan	RG Offset	Power Low Ch (Freq)	Power Mid Ch (Freq)	Power Hgh Ch (Freq)	Turn-up time (min)	MFR (dB)				
Channel												
				3460	3500	3540						
20	QPSK	1	0	17.21	17.24	17.15	17.4	0				
20	QPSK	1	40	17.21	17.21	17.15						
20	QPSK	1	80	17.24	17.13	17.03						
20	QPSK	50	0	17.21	17.20	17.21	17.4	0				
20	QPSK	50	24	17.20	17.23	17.18						
20	QPSK	50	50	17.15	17.18	17.16						
20	QPSK	100	0	17.11	17.05	17.13	17.4	0				
20	16QAM	1	0	17.11	17.25	17.25						
20	16QAM	1	40	17.20	17.20	17.21						
20	16QAM	50	0	17.20	17.27	17.20	17.4	0				
20	16QAM	50	24	17.15	17.24	17.17						
20	16QAM	50	50	17.21	17.20	17.16						
20	16QAM	100	0	17.20	17.22	17.16	17.4	0				
20	SAGAM	1	0	17.11	17.03	16.95						
20	SAGAM	1	40	17.14	17.05	16.92						
20	SAGAM	50	0	17.08	16.96	16.81	17.4	0				
20	SAGAM	50	24	17.18	17.25	17.15						
20	SAGAM	50	50	17.28	17.19	17.15						
20	SAGAM	100	0	17.31	17.22	17.15	17.4	0				
Channel												
				3467.5	3500	3542.5				Turn-up time (min)	MFR (dB)	
15	QPSK	1	0	17.06	17.10	17.02	17.4	0				
15	QPSK	1	40	17.13	17.12	17.06						
15	QPSK	1	74	17.08	16.95	16.82						
15	QPSK	30	0	16.87	17.10	16.87	17.4	0				
15	QPSK	30	24	16.96	17.00	17.00						
15	QPSK	30	50	16.97	16.94	16.92						
15	QPSK	70	0	16.96	16.83	16.86	17.4	0				
15	16QAM	1	0	16.83	17.11	17.13						
15	16QAM	1	27	16.88	17.03	16.86						
15	16QAM	30	0	17.00	17.07	16.87	17.4	0				
15	16QAM	30	24	16.98	17.05	16.91						
15	16QAM	30	50	16.91	17.04	17.03						
15	16QAM	70	0	17.08	17.02	16.81	17.4	0				
15	16QAM	70	24	16.94	17.00	17.04						
15	16QAM	70	50	17.01	16.93	16.74						
15	SAGAM	1	0	17.01	16.86	16.72	17.4	0				
15	SAGAM	1	40	17.04	16.79	16.59						
15	SAGAM	1	74	16.98	16.68	16.58						
15	SAGAM	30	0	16.87	17.05	16.87	17.4	0				
15	SAGAM	30	24	16.94	16.93	16.94						
15	SAGAM	30	50	16.92	16.88	16.74						
15	SAGAM	70	0	17.12	16.98	17.03	17.4	0				
15	SAGAM	70	24	16.97	17.04	17.04						
15	SAGAM	70	50	17.00	16.92	16.73						
Channel												
				3470	3500	3530	Turn-up time (min)	MFR (dB)				
				3465	3500	3535						
10	QPSK	1	0	17.02	17.02	17.04	17.4	0				
10	QPSK	1	25	17.02	17.09	17.01						
10	QPSK	1	50	17.04	17.13	17.01						
10	QPSK	25	0	17.04	17.13	17.01	17.4	0				
10	QPSK	25	25	17.06	17.04	17.01						
10	QPSK	25	50	17.05	17.04	17.00						
10	QPSK	50	0	16.95	16.91	16.92	17.4	0				
10	QPSK	50	25	16.98	17.13	17.00						
10	QPSK	50	50	17.00	17.06	16.98						
10	16QAM	1	0	17.02	17.06	16.98	17.4	0				
10	16QAM	1	25	17.02	17.09	17.01						
10	16QAM	1	50	17.04	17.13	17.01						
10	16QAM	25	0	17.02	17.09	17.01	17.4	0				
10	16QAM	25	25	17.00	17.13	17.03						
10	16QAM	25	50	17.00	17.10	16.95						
10	16QAM	50	0	16.99	17.05	16.95	17.4	0				
10	16QAM	50	25	16.98	17.13	17.00						
10	16QAM	50	50	17.00	17.06	16.98						
10	SAGAM	1	0	16.97	16.93	16.77	17.4	0				
10	SAGAM	1	25	16.98	16.89	16.72						
10	SAGAM	1	50	16.97	16.86	16.72						
10	SAGAM	25	0	16.96	16.87	16.67	17.4	0				
10	SAGAM	25	25	16.98	16.83	16.67						
10	SAGAM	25	50	16.97	16.81	16.65						
10	SAGAM	50	0	17.06	17.06	17.04	17.4	0				
10	SAGAM	50	25	17.03	17.03	17.03						
10	SAGAM	50	50	17.08	17.06	17.04						
Channel												
				3473.5	3500	3536.5	Turn-up time (min)	MFR (dB)				
				3468	3500	3531						
5	QPSK	1	0	17.01	17.01	17.02	17.4	0				
5	QPSK	1	12	17.01	17.13	17.02						
5	QPSK	1	24	17.01	17.10	17.02						
5	QPSK	12	0	17.05	17.08	17.03	17.4	0				
5	QPSK	12	12	17.06	17.03	16.98						
5	QPSK	12	24	17.06	17.03	16.98						
5	QPSK	24	0	16.98	16.97	16.97	17.4	0				
5	QPSK	24	12	16.97	17.11	17.03						
5	QPSK	24	24	16.97	17.08	17.02						
5	16QAM	1	0	16.98	17.08	17.02	17.4	0				
5	16QAM	1	12	16.98	17.08	17.02						
5	16QAM	1	24	16.98	17.08	17.02						
5	16QAM	12	0	17.02	17.14	17.06	17.4	0				
5	16QAM	12	12	16.91	17.12	17.01						
5	16QAM	12	24	16.98	17.03	17.04						
5	16QAM	24	0	17.02	17.07	17.03	17.4	0				
5	16QAM	24	12	16.98	17.03	17.04						
5	16QAM	24	24	16.97	17.04	16.93						
5	SAGAM	1	0	16.97	17.03	16.95	17.4	0				
5	SAGAM	1	12	16.97	17.03	16.95						
5	SAGAM	1	24	16.97	17.02	16.95						
5	SAGAM	12	0	17.02	17.08	17.00	17.4	0				
5	SAGAM	12	12	17.01	17.02	16.98						
5	SAGAM	12	24	17.01	17.02	16.98						

Part 27Q_Band 42_Ant 6										
Bit (Hz)	Modulation	RG Sens	RG Offset	Power Low Ch.1 (Freq)	Power Low Main Ch.1 (Freq)	Power High Ch.1 (Freq)	Power High Ch.2 (Freq)	Time-up Time (ms)	MFR (dB)	
Channel										
Frequency (MHz)				3450	3500	3540				
20	QPSK	1	0	20.36	20.31	20.20				
20	QPSK	49	0	20.37	20.35	20.24		21	0	
20	QPSK	1	50	20.28	20.17	20.10				
20	QPSK	50	0	20.30	20.30	20.24				
20	QPSK	50	24	20.30	20.30	20.23		21	0	
20	QPSK	50	50	20.31	20.25	20.20				
20	QPSK	100	0	20.34	20.25	20.20				
20	16QAM	1	0	20.32	20.28	20.18				
20	16QAM	1	49	20.30	20.30	20.18		21	0	
20	16QAM	1	99	20.24	20.14	20.08				
20	16QAM	50	0	20.27	20.21	20.16				
20	16QAM	50	24	20.25	20.18	20.11		21	0	
20	16QAM	50	50	20.22	20.15	20.11				
20	16QAM	100	0	20.23	20.17	20.10				
20	16QAM	1	0	20.15	20.07	20.00				
20	16QAM	1	49	20.17	20.06	19.96		21	0	
20	16QAM	50	50	20.03	19.95	19.88				
20	16QAM	50	0	20.37	20.30	20.25				
20	16QAM	50	24	20.38	20.28	20.22		20.5		
20	16QAM	50	50	20.29	20.24	20.21				
20	16QAM	100	0	20.35	20.26	20.21				
Channel				42.110	42.100	42.070		Time-up Time (ms)	MFR (dB)	
Frequency (MHz)				3447.5	3500	3542.5				
10	QPSK	1	0	20.19	20.12	20.08				
10	QPSK	1	97	20.25	20.20	19.97		21	0	
10	QPSK	1	74	20.05	20.06	19.91				
10	QPSK	36	0	20.20	20.14	20.11				
10	QPSK	36	24	20.10	20.08	20.12		21	0	
10	QPSK	36	39	20.20	19.98	20.01				
10	QPSK	75	0	20.17	20.03	20.01				
10	16QAM	1	0	20.20	20.04	20.05				
10	16QAM	1	37	20.14	20.18	20.04		21	0	
10	16QAM	74	0	20.10	19.98	19.93				
10	16QAM	36	0	20.02	20.08	19.97				
10	16QAM	36	24	20.11	20.08	19.96		21	0	
10	16QAM	36	39	20.05	19.92	19.92				
10	16QAM	75	0	20.00	19.92	19.88				
10	16QAM	1	0	19.92	19.94	19.85				
10	16QAM	1	37	20.01	19.82	19.77		21	0	
10	16QAM	74	0	19.86	19.82	19.69				
10	16QAM	36	0	20.24	20.05	20.14				
10	16QAM	36	24	20.11	20.10	20.00		20.5		
10	16QAM	36	39	20.15	20.12	20.00				
10	16QAM	75	0	20.14	20.12	20.06				
Channel				42.110	42.070	42.070		Time-up Time (ms)	MFR (dB)	
Frequency (MHz)				3450	3500	3540				
10	QPSK	1	0	20.14	20.11	19.98				
10	QPSK	1	26	20.24	20.02	19.98		21	0	
10	QPSK	1	49	20.07	20.08	19.88				
10	QPSK	25	0	20.13	20.00	20.00				
10	QPSK	25	0	20.13	20.00	20.00		21	0	
10	QPSK	25	25	20.08	20.09	19.99				
10	QPSK	60	0	20.10	20.10	20.06				
10	16QAM	1	0	20.08	20.10	19.95				
10	16QAM	1	25	20.10	20.10	20.00		21	0	
10	16QAM	49	0	20.10	20.01	19.86				
10	16QAM	25	0	20.09	20.04	19.94				
10	16QAM	25	12	20.10	19.99	19.98		21	0	
10	16QAM	25	25	20.10	19.97	19.88				
10	16QAM	50	0	20.07	19.92	19.86				
10	16QAM	1	0	19.94	19.95	19.85				
10	16QAM	1	25	19.95	19.92	19.79		21	0	
10	16QAM	1	49	19.94	19.93	19.74				
10	16QAM	25	0	20.23	20.15	20.02				
10	16QAM	25	12	20.07	20.12	20.08		20.5		
10	16QAM	25	25	20.11	20.02	20.00				
10	16QAM	50	0	20.19	20.07	19.97				
Channel				42.110	42.070	42.070		Time-up Time (ms)	MFR (dB)	
Frequency (MHz)				3442.5	3500	3547.5				
5	QPSK	1	0	20.13	20.12	20.08				
5	QPSK	1	18	20.02	20.03	20.06		21	0	
5	QPSK	1	24	20.18	20.05	19.95				
5	QPSK	12	0	20.18	20.07	20.04				
5	QPSK	12	0	20.17	20.12	20.07		21	0	
5	QPSK	12	13	20.08	20.02	19.98				
5	QPSK	25	0	20.13	20.00	20.04				
5	16QAM	1	0	20.17	20.03	19.95				
5	16QAM	1	12	20.19	20.09	19.97		21	0	
5	16QAM	1	24	19.99	19.99	19.94				
5	16QAM	12	0	20.12	19.98	19.93				
5	16QAM	12	0	20.08	20.03	19.97		21	0	
5	16QAM	12	13	20.11	19.94	19.89				
5	16QAM	25	0	20.04	19.97	19.97				
5	16QAM	25	0	19.94	19.95	19.79				
5	16QAM	1	12	20.04	19.90	19.75		21	0	
5	16QAM	1	24	19.79	19.79	19.72				
5	16QAM	12	0	20.20	20.17	20.08				
5	16QAM	12	0	20.07	20.00	20.04				
5	16QAM	12	13	20.10	19.99	20.05		20.5		
5	16QAM	25	0	20.14	20.14	20.08				

Band 41_Ant 0										
RF	Modulation	RB	RB Offset	Low Pwr (dBm)	Power (dBm)	High Pwr (dBm)	Power (dBm)	Time-up (ms)	APRS	
Channel										
20	QPSK	1	0	23.98	23.98	24.00	21.86			
20	QPSK	1	69	23.98	23.98	24.00	21.86		24.8	0
20	QPSK	50	0	23.92	23.92	23.93	21.86			
20	QPSK	50	69	23.92	23.92	23.93	21.86		24.8	0
20	QPSK	50	50	23.84	23.84	23.83	23.77		23.8	1
20	QPSK	150	0	23.84	23.86	23.81	23.40			
20	QPSK	150	69	23.84	23.86	23.81	23.40		23.8	0
20	QPSK	150	50	23.76	23.76	23.75	23.69		23.8	1
20	QPSK	250	0	23.52	23.56	23.51	22.42			
20	QPSK	250	69	23.52	23.56	23.51	22.42		23.8	0
20	QPSK	250	50	23.44	23.46	23.43	22.36		23.8	1
20	QPSK	350	0	23.33	23.36	23.31	22.24			
20	QPSK	350	69	23.33	23.36	23.31	22.24		23.8	0
20	QPSK	350	50	23.25	23.25	23.24	22.18		23.8	1
20	QPSK	450	0	23.12	23.15	23.10	22.02			
20	QPSK	450	69	23.12	23.15	23.10	22.02		23.8	0
20	QPSK	450	50	23.04	23.04	23.03	21.96		23.8	1
Frequency (MHz)										
15	QPSK	1	0	42.73	42.66	42.65	41.85	Time-up (ms)	APRS	
15	QPSK	1	67	23.84	23.86	23.81	23.40		24.8	0
15	QPSK	1	50	23.76	23.76	23.75	23.69		23.8	1
15	QPSK	50	0	23.41	23.44	23.40	23.33			
15	QPSK	50	67	23.41	23.44	23.40	23.33		23.8	0
15	QPSK	50	50	23.33	23.33	23.32	23.24		23.8	1
15	QPSK	75	0	23.33	23.42	23.37	23.14			
15	QPSK	75	67	23.33	23.42	23.37	23.14		23.8	0
15	QPSK	75	50	23.25	23.25	23.24	23.18		23.8	1
15	QPSK	100	0	23.25	23.33	23.23	22.96			
15	QPSK	100	67	23.25	23.33	23.23	22.96		23.8	0
15	QPSK	100	50	23.17	23.17	23.16	23.10		23.8	1
15	QPSK	125	0	23.17	23.25	23.15	22.88			
15	QPSK	125	67	23.17	23.25	23.15	22.88		23.8	0
15	QPSK	125	50	23.09	23.09	23.08	23.02		23.8	1
15	QPSK	150	0	23.09	23.17	23.07	22.80			
15	QPSK	150	67	23.09	23.17	23.07	22.80		23.8	0
15	QPSK	150	50	23.01	23.01	23.00	22.94		23.8	1
15	QPSK	175	0	23.01	23.09	23.00	22.72			
15	QPSK	175	67	23.01	23.09	23.00	22.72		23.8	0
15	QPSK	175	50	22.93	22.93	22.92	22.86		23.8	1
15	QPSK	200	0	22.93	23.01	22.91	22.64			
15	QPSK	200	67	22.93	23.01	22.91	22.64		23.8	0
15	QPSK	200	50	22.85	22.85	22.84	22.78		23.8	1
15	QPSK	225	0	22.85	22.93	22.83	22.56			
15	QPSK	225	67	22.85	22.93	22.83	22.56		23.8	0
15	QPSK	225	50	22.77	22.77	22.76	22.70		23.8	1
15	QPSK	250	0	22.77	22.85	22.75	22.48			
15	QPSK	250	67	22.77	22.85	22.75	22.48		23.8	0
15	QPSK	250	50	22.69	22.69	22.68	22.62		23.8	1
15	QPSK	275	0	22.69	22.77	22.67	22.40			
15	QPSK	275	67	22.69	22.77	22.67	22.40		23.8	0
15	QPSK	275	50	22.61	22.61	22.60	22.54		23.8	1
15	QPSK	300	0	22.61	22.69	22.59	22.32			
15	QPSK	300	67	22.61	22.69	22.59	22.32		23.8	0
15	QPSK	300	50	22.53	22.53	22.52	22.46		23.8	1
15	QPSK	325	0	22.53	22.61	22.51	22.24			
15	QPSK	325	67	22.53	22.61	22.51	22.24		23.8	0
15	QPSK	325	50	22.45	22.45	22.44	22.38		23.8	1
15	QPSK	350	0	22.45	22.53	22.43	22.16			
15	QPSK	350	67	22.45	22.53	22.43	22.16		23.8	0
15	QPSK	350	50	22.37	22.37	22.36	22.30		23.8	1
15	QPSK	375	0	22.37	22.45	22.35	22.08			
15	QPSK	375	67	22.37	22.45	22.35	22.08		23.8	0
15	QPSK	375	50	22.29	22.29	22.28	22.22		23.8	1
15	QPSK	400	0	22.29	22.37	22.27	22.00			
15	QPSK	400	67	22.29	22.37	22.27	22.00		23.8	0
15	QPSK	400	50	22.21	22.21	22.20	22.14		23.8	1
15	QPSK	425	0	22.21	22.29	22.19	21.92			
15	QPSK	425	67	22.21	22.29	22.19	21.92		23.8	0
15	QPSK	425	50	22.13	22.13	22.12	22.06		23.8	1
15	QPSK	450	0	22.13	22.21	22.11	21.84			
15	QPSK	450	67	22.13	22.21	22.11	21.84		23.8	0
15	QPSK	450	50	22.05	22.05	22.04	21.98		23.8	1
15	QPSK	475	0	22.05	22.13	22.03	21.76			
15	QPSK	475	67	22.05	22.13	22.03	21.76		23.8	0
15	QPSK	475	50	21.97	21.97	21.96	21.90		23.8	1

Reduced Power Mode for EC19

Band 41 (HPUE)_Ant_0												
RF Freq	Modulation	RBs Size	RBs Offset	Low Pwr Lvl	Power Class	High Pwr Lvl	Power Class	Time-slot (ms)	MPR (dB)			
Frequency (MHz)												
26	QPSK	1	0	24.83	24.86	24.88	24.72	20.0	0			
26	QPSK	1	66	24.83	24.86	24.88	24.72	20.0	0			
26	QPSK	1	131	24.83	24.86	24.88	24.72	20.0	0			
26	QPSK	1	197	24.83	24.86	24.88	24.72	20.0	0			
26	QPSK	1	263	24.83	24.86	24.88	24.72	20.0	0			
26	QPSK	1	328	24.83	24.86	24.88	24.72	20.0	0			
26	QPSK	1	394	24.83	24.86	24.88	24.72	20.0	0			
26	QPSK	1	459	24.83	24.86	24.88	24.72	20.0	0			
26	QPSK	1	525	24.83	24.86	24.88	24.72	20.0	0			
26	QPSK	1	590	24.83	24.86	24.88	24.72	20.0	0			
26	QPSK	1	656	24.83	24.86	24.88	24.72	20.0	0			
26	QPSK	1	721	24.83	24.86	24.88	24.72	20.0	0			
26	QPSK	1	787	24.83	24.86	24.88	24.72	20.0	0			
26	QPSK	1	852	24.83	24.86	24.88	24.72	20.0	0			
26	QPSK	1	918	24.83	24.86	24.88	24.72	20.0	0			
26	QPSK	1	983	24.83	24.86	24.88	24.72	20.0	0			
26	QPSK	1	1049	24.83	24.86	24.88	24.72	20.0	0			
26	QPSK	1	1114	24.83	24.86	24.88	24.72	20.0	0			
26	QPSK	1	1180	24.83	24.86	24.88	24.72	20.0	0			
26	QPSK	1	1245	24.83	24.86	24.88	24.72	20.0	0			
26	QPSK	1	1311	24.83	24.86	24.88	24.72	20.0	0			
26	QPSK	1	1376	24.83	24.86	24.88	24.72	20.0	0			
26	QPSK	1	1442	24.83	24.86	24.88	24.72	20.0	0			
26	QPSK	1	1507	24.83	24.86	24.88	24.72	20.0	0			
26	QPSK	1	1573	24.83	24.86	24.88	24.72	20.0	0			
26	QPSK	1	1638	24.83	24.86	24.88	24.72	20.0	0			
26	QPSK	1	1704	24.83	24.86	24.88	24.72	20.0	0			
26	QPSK	1	1769	24.83	24.86	24.88	24.72	20.0	0			
26	QPSK	1	1835	24.83	24.86	24.88	24.72	20.0	0			
26	QPSK	1	1899	24.83	24.86	24.88	24.72	20.0	0			
26	QPSK	1	1965	24.83	24.86	24.88	24.72	20.0	0			
26	QPSK	1	2030	24.83	24.86	24.88	24.72	20.0	0			
26	QPSK	1	2096	24.83	24.86	24.88	24.72	20.0	0			
26	QPSK	1	2161	24.83	24.86	24.88	24.72	20.0	0			
26	QPSK	1	2227	24.83	24.86	24.88	24.72	20.0	0			
26	QPSK	1	2292	24.83	24.86	24.88	24.72	20.0	0			
26	QPSK	1	2358	24.83	24.86	24.88	24.72	20.0	0			
26	QPSK	1	2423	24.83	24.86	24.88	24.72	20.0	0			
26	QPSK	1	2489	24.83	24.86	24.88	24.72	20.0	0			
Frequency (MHz)										24.85	24.88	24.90
26	QPSK	1	255	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	261	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	267	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	273	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	279	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	285	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	291	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	297	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	303	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	309	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	315	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	321	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	327	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	333	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	339	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	345	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	351	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	357	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	363	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	369	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	375	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	381	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	387	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	393	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	399	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	405	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	411	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	417	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	423	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	429	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	435	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	441	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	447	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	453	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	459	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	465	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	471	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	477	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	483	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	489	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	495	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	501	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	507	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	513	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	519	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	525	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	531	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	537	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	543	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	549	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	555	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	561	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	567	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	573	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	579	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	585	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	591	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	597	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	603	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	609	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	615	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	621	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	627	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	633	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	639	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	645	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	651	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	657	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	663	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	669	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	675	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	681	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	687	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	693	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	699	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	705	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	711	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	717	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	723	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	729	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	735	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	741	24.79	24.84	24.84	24.93	20.0	0			
26	QPSK	1	747	24.79	24.84	24.84	24.93					

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Band 41_Ant 4													
BW (MHz)	Modulation	RB Size	RB Offset	Power Level (mW)	Power Max (mW)	Power High (mW)	Power Low (mW)	Power Avg (mW)	Time-on-Air (min)	MFR (dB)			
Channel													
				40260	40560	40770	41160						
Frequency (MHz)													
20	QPSK	1	0	23.09	23.14	23.24	23.15	24.1	0				
20	QPSK	1	49	23.17	23.21	23.31	23.20						
20	QPSK	50	0	22.27	22.32	22.38	22.30						
20	QPSK	50	49	22.27	22.32	22.38	22.30						
20	QPSK	50	99	22.73	22.80	22.88	22.79	23.1	1				
20	HSKAM	1	0	22.69	22.76	22.79	22.76						
20	HSKAM	1	49	22.77	22.88	22.88	22.79						
20	HSKAM	50	0	21.67	21.73	21.81	21.70						
20	HSKAM	50	49	21.71	21.77	21.76	21.79	22.1	2				
20	HSKAM	100	0	21.69	21.70	21.67	21.70						
20	HSKAM	100	49	21.65	21.65	21.69	21.69						
20	HSKAM	1	99	21.41	21.53	21.59	21.50						
20	HSKAM	50	0	20.14	20.20	20.20	20.20	21.1	3				
20	HSKAM	50	24	20.21	20.26	20.26	20.26						
20	HSKAM	50	99	20.22	20.26	20.27	20.26						
20	HSKAM	100	0	20.20	20.20	20.20	20.20						
Channel													
				40215	40465	40765	41165	Time-on-Air (min)	MFR (dB)				
Frequency (MHz)													
18	QPSK	1	0	22.99	22.99	23.04	23.09	24.1	0				
18	QPSK	1	37	22.97	23.18	23.24	23.11						
18	QPSK	1	74	23.03	23.12	23.23	23.09						
18	QPSK	36	0	22.61	22.70	22.69	22.71						
18	QPSK	36	49	22.61	22.70	22.69	22.71	23.1	1				
18	QPSK	36	99	22.48	22.55	22.72	22.48						
18	QPSK	75	0	22.45	22.62	22.65	22.60						
18	HSKAM	1	0	22.48	22.59	22.60	22.60						
18	HSKAM	1	37	22.54	22.63	22.74	22.59	23.1	1				
18	HSKAM	1	74	22.52	22.73	22.71	22.68						
18	HSKAM	36	0	21.52	21.57	21.68	21.58						
18	HSKAM	36	20	21.54	21.61	21.68	21.65						
18	HSKAM	36	99	21.51	21.68	21.69	21.61	22.1	2				
18	HSKAM	75	0	21.58	21.59	21.63	21.55						
18	HSKAM	1	99	21.18	21.27	21.32	21.21						
18	HSKAM	1	37	21.22	21.41	21.44	21.32						
18	HSKAM	1	74	21.21	21.38	21.39	21.21	22.1	2				
18	HSKAM	36	0	19.88	19.88	20.09	20.17						
18	HSKAM	36	20	20.02	20.05	20.23	20.01						
18	HSKAM	36	99	20.02	20.18	20.18	20.08						
18	HSKAM	75	0	20.02	20.13	20.11	20.11	21.1	3				
Channel													
				40160	40460	40760	41160				Time-on-Air (min)	MFR (dB)	
Frequency (MHz)													
16	QPSK	1	0	22.04	22.09	22.04	22.09	24.1	0				
16	QPSK	1	25	22.07	22.13	22.27	22.07						
16	QPSK	1	49	22.06	22.13	22.22	22.06						
16	QPSK	25	0	22.64	22.62	22.67	22.72						
16	QPSK	25	49	22.64	22.62	22.67	22.62	23.1	1				
16	QPSK	25	99	22.51	22.69	22.67	22.59						
16	QPSK	50	0	22.58	22.65	22.67	22.62						
16	HSKAM	1	0	22.52	22.65	22.61	22.59						
16	HSKAM	1	25	22.52	22.70	22.71	22.52	23.1	1				
16	HSKAM	1	49	22.51	22.74	22.73	22.48						
16	HSKAM	25	0	21.47	21.59	21.57	21.54						
16	HSKAM	25	12	21.47	21.57	21.74	21.64						
16	HSKAM	25	24	21.56	21.57	21.71	21.56	22.1	2				
16	HSKAM	50	0	21.57	21.65	21.70	21.65						
16	HSKAM	1	99	21.20	21.27	21.24	21.20						
16	HSKAM	1	49	21.25	21.36	21.43	21.28						
16	HSKAM	25	0	19.84	19.88	20.09	20.16	21.1	3				
16	HSKAM	25	12	20.08	20.11	20.20	20.09						
16	HSKAM	25	24	20.08	20.12	20.13	20.08						
16	HSKAM	50	0	20.04	20.09	20.18	20.09						
Channel													
				40165	40465	40765	41215	Time-on-Air (min)	MFR (dB)				
Frequency (MHz)													
5	QPSK	1	0	22.08	22.09	22.09	22.02	24.1	0				
5	QPSK	1	12	22.02	22.10	22.20	22.08						
5	QPSK	1	24	22.01	22.02	22.01	22.01						
5	QPSK	12	0	22.59	22.62	22.75	22.68						
5	QPSK	12	13	22.57	22.62	22.73	22.54	23.1	1				
5	QPSK	25	0	22.58	22.60	22.74	22.50						
5	HSKAM	1	0	22.45	22.52	22.55	22.45						
5	HSKAM	1	12	22.59	22.65	22.64	22.61						
5	HSKAM	1	24	22.52	22.71	22.70	22.48	22.1	2				
5	HSKAM	12	0	21.47	21.58	21.62	21.50						
5	HSKAM	12	7	21.50	21.57	21.68	21.68						
5	HSKAM	12	13	21.49	21.70	21.71	21.60						
5	HSKAM	25	0	21.49	21.63	21.69	21.50	22.1	2				
5	HSKAM	1	99	21.18	21.20	21.22	21.24						
5	HSKAM	1	12	21.20	21.32	21.44	21.24						
5	HSKAM	1	24	21.18	21.33	21.37	21.26						
5	HSKAM	12	0	19.88	19.88	20.10	20.12	21.1	3				
5	HSKAM	12	7	20.01	20.07	20.17	20.09						
5	HSKAM	12	13	20.01	20.09	20.17	20.07						
5	HSKAM	25	0	20.01	20.13	20.15	20.00						

Band 41 (HPUE)_Ant 4										
BW (MHz)	Modulation	RB Size	RB Offset	Power Level (mW)	Power Max (mW)	Power Min (mW)	Power Avg (mW)	Time-on-Air (min)	MFR (dB)	
Channel										
				40260	40560	40770	41160			
Frequency (MHz)										
20	QPSK	1	0	23.24	24.24	24.26	23.32	25.1	0	
20	QPSK	1	49	24.15	24.17	24.23	24.15			
20	QPSK	1	99	24.15	24.17	24.26	24.03			
20	QPSK	50	0	23.74	23.75	23.81	23.74	24.1	1	
20	QPSK	50	49	23.75	23.74	23.75	23.81			
20	QPSK	50	99	23.74	23.74	23.79	23.88			
20	HSKAM	1	0	23.84	23.84	23.84	23.76	24.1	1	
20	HSKAM	50	0	22.81	22.87	22.75	22.75			
20	HSKAM	50	24	22.85	22.71	22.81	22.75			
20	HSKAM	50	49	21.70	21.78	21.74	21.72	23.1	2	
20	HSKAM	100	0	22.62	22.70	22.77	22.69			
20	HSKAM	100	49	22.68	22.78	22.78	22.68			
20	HSKAM	1	99	22.28	22.74	22.77	22.50	23.1	2	
20	HSKAM	1	99	22.81	22.73	22.79	22.54			
20	HSKAM	50	0	21.70	21.78	21.74	21.72			
20	HSKAM	50	24	21.16	21.23	21.32	21.19	22.1	3	
20	HSKAM	50	99	21.17	21.23	21.31	21.18			
20	HSKAM	100	0	21.13	21.22	21.29	21.17			
Channel										
				40215	40465	40765	41165	Time-on-Air (min)	MFR (dB)	
Frequency (MHz)										
18	QPSK	1	0	23.71	23.31	23.31	23.71	25.1	0	
18	QPSK	1	37	24.22	23.36	23.39	24.20			
18	QPSK	1	74	24.21	24.03	23.98	23.98			
18	QPSK	36	0	23.63	23.58	23.57	23.62	24.1	1	
18	QPSK	36	49	23.68	23.72	23.70	23.64			
18	QPSK	36	99	23.30	23.38	23.48	23.47			
18	QPSK	75	0	23.23	23.47	23.57	23.49	24.1	1	
18	HSKAM	1	0	23.42	23.81	23.98	23.42			
18	HSKAM	1	37	23.60	23.70	23.80	23.64			
18	HSKAM	1	74	23.72	23.72	23.72	23.62	23.1	2	
18	HSKAM	36	0	22.30	22.35	22.30	22.35			
18	HSKAM	36	20	22.44	22.58	22.62	22.59			
18	HSKAM	36	99	22.37	22.50	22.56	22.37	22.1	3	
18	HSKAM	75	0	22.39	22.50	22.58	22.49			
18	HSKAM	1	99	22.18	22.47	22.50	22.18			
Channel										
				40160	40460	40760	41160	Time-on-Air (min)	MFR (dB)	
Frequency (MHz)										
18	QPSK	1	0	23.73	23.34	23.33	23.71	25.1	0	
18	QPSK	1	24	24.24	23.39	23.37	24.21			
18	QPSK	1	49	24.23	24.04	23.99	24.01			
18	QPSK	36	0	23.64	23.59	23.58	23.63	24.1	1	
18	QPSK	36	49	23.69	23.73	23.71	23.65			
18	QPSK	36	99	23.31	23.39	23.47	23.41			
18	QPSK	75	0	23.24	23.48	23.58	23.46	24.1	1	
18	HSKAM	1	0	23.40	23.80	23.96	23.36			
18	HSKAM	1	24	23.88	23.78	23.84	23.37			
18	HSKAM	1	49	23.87	23.83	23.83	23.38	23.1	2	
18	HSKAM	36	0	22.44	22.47	22.50	22.57			
18	HSKAM	36	20	22.53	22.46	22.53	22.52			
18	HSKAM	36	99	22.45	22.45	22.45	22.52	23.1	2	
18	HSKAM	75	0	22.31	22.42	22.48	22.32			
18	HSKAM	1	99	22.38	22.54	22.57	22.29			
18	HSKAM	1	99	22.53	22.53	22.53	22.32	23.1	2	
18	HSKAM	36	0	22.34	22.36	22.34	22.42			
18	HSKAM	36	20	22.32	22.34	22.37	22.29			
18	HSKAM	36	99	21.01	21.12	21.10	21.07	22.1	3	
18	HSKAM	75	0	20.58	21.05	21.04	20.58			
18	HSKAM	1	99	20.56	21.06	21.04	20.56			
Channel										
				40165	40465	40765	41165	Time-on-Air (min)	MFR (dB)	
Frequency (MHz)										
18	QPSK	1	0	23.83	23.43	23.43	23.79	25.1	0	
18	QPSK	1	24	24.34	24.00	24.05	24.02			
18	QPSK	1	49	24.33	24.01	24.06	24.02			
18	QPSK	36	0	23.64	23.58	23.58	23.63	24.1	1	
18	QPSK	36	49	23.69	23.73	23.71	23.65			
18	QPSK	36	99	23.32	23.40	23.48	23.42			
18	QPSK	75	0	23.25	23.49	23.59	23.47	24.1	1	
18	HSKAM	1	0	23.41	23.81	23.98	23.41			
18	HSKAM	1	24	23.89	23.49	23.50	23.45			
18	HSKAM	1	49	23.88	23.83	23.83	23.45	23.1	2	
18	HSKAM	36	0	22.42	22.47	22.51	22.56			
18	HSKAM	36	20	22.47	22.46	22.51	22.52			
18	HSKAM	36	99	22.45	22.45	22.45	22.52	23.1	2	
18	HSKAM	75	0	22.30	22.42	22.48	22.32			
18	HSKAM	1	99	22.37	22.53	22.56	22.34			
18	HSKAM	1	99	22.53	22.53	22.53	22.35	23.1	2	
18	HSKAM	36	0	21.06	21.12	21.12	21.06			
18	HSKAM	36	20	20.99	21.07	21.06	21.06			
18	HSKAM	36	99	20.98	21.07	21.06	20.98	22.1	3	
18	HSKAM	75	0	20.96	21.12	21.12	20.96			
18	HSKAM	1	99	20.95	21.09	21.09	20.95			

Part 27Q_Band 42_Ant 4												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power Hgh Ch / Freq	Time-to-Sett (ms)	MPN (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	20.18	20.22	20.20	20.8	0				
20	QPSK	1	48	20.25	20.25	20.25						
20	QPSK	50	0	20.11	20.14	20.12						
20	QPSK	50	48	20.20	20.22	20.20						
20	QPSK	50	96	20.08	20.10	20.07	20.8	0				
20	16QAM	1	48	20.24	20.21	20.12						
20	16QAM	1	96	20.10	20.10	20.08						
20	16QAM	50	0	20.13	20.13	20.10						
20	16QAM	50	48	20.11	20.13	20.12	20.8	0				
20	16QAM	50	96	20.07	20.10	20.10						
20	16QAM	100	0	20.10	20.12	20.11						
20	16QAM	1	0	19.99	19.99	19.93						
20	16QAM	1	96	19.91	19.79	19.79	20.8	0				
20	16QAM	50	0	19.99	19.12	19.11						
20	16QAM	50	24	20.08	20.10	20.11						
20	16QAM	50	96	20.07	20.08	20.07						
Channel												
Frequency (MHz)												
15	QPSK	1	0	20.01	20.01	19.98	20.8	0				
15	QPSK	1	32	20.11	20.05	20.05						
15	QPSK	1	74	19.92	19.98	19.92						
15	QPSK	36	0	20.00	20.02	20.00						
15	QPSK	36	36	19.99	19.98	19.92	20.8	0				
15	QPSK	75	0	19.97	19.99	19.98						
15	16QAM	1	0	19.99	20.04	20.00						
15	16QAM	1	32	20.01	20.08	19.99						
15	16QAM	36	0	19.92	20.00	20.03	20.8	0				
15	16QAM	36	20	19.97	20.02	20.02						
15	16QAM	36	74	19.92	19.94	19.92						
15	16QAM	75	0	19.95	20.00	19.99						
15	16QAM	1	0	19.97	19.91	19.99	20.8	0				
15	16QAM	1	32	19.78	19.77	19.88						
15	16QAM	1	74	19.84	19.84	19.87						
15	16QAM	36	0	19.91	20.00	19.97						
15	16QAM	36	20	19.84	19.87	19.90	20.8	0				
15	16QAM	36	36	19.94	19.93	19.94						
15	16QAM	75	0	19.93	19.95	19.92						
Channel												
Frequency (MHz)												
10	QPSK	1	0	19.97	20.08	19.97	20.8	0				
10	QPSK	1	20	20.02	20.09	20.07						
10	QPSK	1	48	19.99	19.99	19.99						
10	QPSK	20	0	19.97	19.96	19.99						
10	QPSK	20	12	19.91	19.92	19.91	20.8	0				
10	QPSK	20	20	19.94	19.97	19.90						
10	QPSK	50	0	19.95	19.91	19.90						
10	16QAM	1	0	20.01	20.07	20.01						
10	16QAM	1	20	20.09	20.09	19.97	20.8	0				
10	16QAM	1	48	19.93	19.98	19.98						
10	16QAM	20	0	19.92	19.91	19.96						
10	16QAM	20	12	19.90	19.91	19.94						
10	16QAM	50	0	19.97	19.94	20.00	20.8	0				
10	16QAM	50	0	19.92	19.91	19.96						
10	16QAM	1	0	19.92	19.75	19.98						
10	16QAM	1	20	19.73	19.74	19.84						
10	16QAM	1	48	19.80	19.94	19.93	20.8	0				
10	16QAM	20	0	19.90	19.90	19.93						
10	16QAM	20	12	19.85	19.84	19.90						
10	16QAM	50	0	19.90	19.94	19.90						
10	16QAM	50	0	19.89	19.91	19.91	20.8	0				
10	16QAM	50	0	19.89	19.91	19.91						
Channel												
Frequency (MHz)												
5	QPSK	1	0	20.03	20.03	19.99	20.8	0				
5	QPSK	1	12	20.10	20.06	20.00						
5	QPSK	1	24	19.92	19.90	19.90						
5	QPSK	12	0	19.92	19.91	19.94						
5	QPSK	12	7	19.90	19.91	19.93	20.8	0				
5	QPSK	12	18	19.88	19.92	19.87						
5	QPSK	25	0	19.86	19.92	19.86						
5	16QAM	1	0	19.95	19.90	19.97						
5	16QAM	1	12	20.11	20.00	19.99	20.8	0				
5	16QAM	1	24	19.90	19.90	19.97						
5	16QAM	12	0	19.90	20.07	19.94						
5	16QAM	12	7	19.86	19.86	19.87						
5	16QAM	12	18	19.87	19.92	19.91	20.8	0				
5	16QAM	25	0	19.94	19.92	19.94						
5	16QAM	1	0	19.92	19.75	19.79						
5	16QAM	1	12	19.70	19.74	19.89						
5	16QAM	1	24	19.90	19.86	19.94	20.8	0				
5	16QAM	12	0	19.84	19.88	19.94						
5	16QAM	12	7	19.87	19.88	19.92						
5	16QAM	12	18	19.86	19.90	19.97						
5	16QAM	25	0	19.90	19.90	19.90	20.8	0				
5	16QAM	25	0	19.87	19.90	19.90						

Part 27Q_Band 42_Ant 5												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power Hgh Ch / Freq	Time-to-Sett (ms)	MPN (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	22.21	22.24	22.15	22.4	0				
20	QPSK	1	48	22.25	22.15	22.21						
20	QPSK	1	96	22.14	22.13	22.03						
20	QPSK	50	0	22.21	22.26	22.21						
20	QPSK	50	48	22.20	22.20	22.16	22.4	0				
20	QPSK	50	96	22.15	22.18	22.18						
20	QPSK	100	0	22.11	22.15	22.13						
20	16QAM	1	0	22.01	22.22	22.15	22.4	0				
20	16QAM	1	48	22.30	22.22	22.11						
20	16QAM	1	96	22.10	22.11	22.05						
20	16QAM	50	0	21.98	21.97	21.90						
20	16QAM	50	24	21.94	21.94	21.17	21.4	1				
20	16QAM	50	96	21.92	21.92	21.16						
20	16QAM	100	0	21.93	21.92	21.16						
20	16QAM	1	0	21.14	21.05	20.92						
20	16QAM	1	96	21.90	20.99	20.91	20.4	2				
20	16QAM	50	24	20.92	20.92	20.15						
20	16QAM	50	96	20.98	20.16	20.15						
20	16QAM	100	0	20.91	20.92	20.15						
Channel												
Frequency (MHz)												
15	QPSK	1	0	21.98	22.12	21.95	22.4	0				
15	QPSK	1	32	22.12	22.12	22.10						
15	QPSK	1	64	22.06	21.93	21.83						
15	QPSK	36	0	22.02	22.02	21.97						
15	QPSK	36	36	22.02	21.99	21.92	22.4	0				
15	QPSK	75	0	21.96	22.01	21.98						
15	16QAM	1	0	21.97	22.11	22.02						
15	16QAM	1	32	22.12	21.98	21.89						
15	16QAM	36	0	21.94	21.98	21.84	21.4	1				
15	16QAM	36	20	21.14	21.04	20.98						
15	16QAM	75	0	21.20	21.00	21.02	20.4	2				
15	16QAM	1	0	21.14	21.05	20.92						
15	16QAM	1	32	22.12	21.98	21.89						
15	16QAM	1	64	22.06	21.93	21.83						
15	16QAM	1	96	22.11	21.99	21.92						
15	16QAM	1	128	22.16	22.04	21.95						
15	16QAM	1	160	22.21	22.11	22.03						
15	16QAM	1	192	22.26	22.16	22.08						
15	16QAM	1	224	22.31	22.21	22.13						
15	16QAM	1	256	22.36	22.26	22.18						
15	16QAM	1	288	22.41	22.31	22.23						
15	16QAM	1	320	22.46	22.36	22.28						
15	16QAM	1	352	22.51	22.41	22.33						
15	16QAM	1	384	22.56	22.46	22.38						
15	16QAM	1	416	22.61	22.51	22.43						
15	16QAM	1	448	22.66	22.56	22.48						
15	16QAM	1	480	22.71	22.61	22.53						
15	16QAM	1	512	22.76	22.66	22.58						
15	16QAM	1	544	22.81	22.71	22.63						
15	16QAM	1	576	22.86	22.76	22.68						
15	16QAM	1	608	22.91	22.81	22.73						
15	16QAM	1	640	22.96	22.86	22.78						
15	16QAM	1	672	23.01	22.91	22.83						
15	16QAM	1	704	23.06	22.96	22.88						
15	16QAM	1	736	23.11	23.01	22.93						
15	16QAM	1	768	23.16	23.06	22.98						
15	16QAM	1	800	23.21	23.11	23.03						
15	16QAM	1	832	23.26	23.16	23.08						
15	16QAM	1	864	23.31	23.21	23.13						
15	16QAM	1	896	23.36	23.26	23.18						
15	16QAM	1	928	23.41	23.31	23.23						
15	16QAM	1	960	23.46	23.36	23.28						
15	16QAM	1	992	23.51	23.41	23.33						
15	16QAM	1	1024	23.56	23.46	23.38						
15	16QAM	1	1056	23.61	23.51	23.43						
15	16QAM	1	1088	23.66	23.56	23.48						
15	16QAM	1	1120	23.71	23.61	23.53						
15	16QAM	1	1152	23.76	23.66	23.58						
15	16QAM	1	1184	23.81	23.71	23.63						
15	16QAM	1	1216	23.86	23.76	23.68						
15	16QAM	1	1248	23.91	23.81	23.73						
15	16QAM	1	1280	23.96	23.86	23.78						
15	16QAM	1	1312	24.01	23.91	23.83						
15	16QAM	1	1344	24.06	23.96	23.88						
15	16QAM	1	1376	24.11	24.01	23.93						
15	16QAM	1	1408	24.16	24.06	23.98						
15	16QAM	1	1440	24.21	24.11	24.03						
15	16QAM	1	1472	24.26	24.16	24.08						
15	16QAM	1	1504	24.31	24.21	24.13						
15	16QAM	1	1536	24.36	24.26	24.18						
15	16QAM	1	1568	24.41	24.31	24.23						
15	16QAM	1	1600	24.46	24.36	24.28						
15	16QAM	1	1632	24.51	24.41	24.33						
15	16QAM	1	1664	24.56	24.46	24.38						
15	16QAM	1	1696	24.61	24.51	24.43						
15	16QAM	1	1728	24.66	24.56	24.48						
15	16QAM	1	1760	24.71	24.61	24.53						
15	16QAM	1	1792	24.76	24.66	24.58						
15	16QAM	1	1824	24.81	24.71	24.63						
15	16QAM	1	1856	24.86	24.76	24.68						
15	16QAM	1	1888	24.91	24.81	24.73						
15	16QAM	1	1920	24.96	24.86	24.78						
15	16QAM	1	1952	25.01	24.91	24.83						
15	16QAM	1	1984	25.06	24.96	24.88						
15	16QAM	1	2016	25.11	25.01	24.93						
15	16QAM	1	2048	25.16	25.06	24.98						
15	16QAM	1	2080	25.21	25.11	25.03						
15	16QAM	1	2112	25.26	25.16	25.08						
15	16QAM	1	2144	25.31	25.21	25.13						
15	16QAM	1	2176	25.36	25.26	25.18						
15	16QAM	1	2208	25.41	25.31	25.23						
15	16QAM	1	2240	25.46	25.36	25.28						
15	16QAM	1	2272	25.51	25.41	25.33						
15	16QAM	1	2304	25.56	25.46	25.38						
15	16QAM	1	2336	25.61	25.51	25.43						
15	16QAM	1	2368	25.66	25.56	25.48						
15	16QAM	1	2400	25.71	25.61	25.53						
15	16QAM	1	2432	25.76	25.66	25.58						
15	16QAM	1	2464	25.81	25.71	25.63						
15	16QAM	1	2496	25.86	25.76	25.68						
15	16QAM	1	2528	25.91	25.81	25.73						
15	16QAM	1	2560	25.96	25.86	25.78						
15	16QAM	1	2592	26.01	25.91	25.83						
15	16QAM	1	2624	26.06	25.96	25.88						
15	16QAM	1	2656	26.11	26.01	25.93						
15	16QAM	1	2688	26.16	26.06	25.98						
15	16QAM	1	2720	26.21	26.11	26.03						
15	16QAM	1	2752	26.26	26.16	26.08						
15	16QAM	1	2784	26.31	26.21	26.13						
15	16QAM	1	2816	26.36	26.26	26.18						
15	16QAM	1	2848	26.41	26.31	26.23						
15	16QAM	1	2880	26.46	26.36	26.28						
15	16QAM	1	2912	26.51	26.41	26.33						
15	16QAM	1	2944	26.56	26.46	26.38						
15	16QAM	1	2976	26.61	26.51	26.43						
15	16QAM	1	3008	26.66	26.56	26.48						
15	16QAM	1	3040	26.71	26.61	26.53						
15	16QAM	1	3072	26.76	26.66	26.58						
15	16QAM	1	3104	26.81	26.71	26.63						
15	16QAM	1	3136	26.86	26.76	26.68						
15	16QAM	1	3168	26.91	26.81	26.73						
15	16QAM	1	3200	26.96	26.86	26.78						
15	16QAM	1	3232	27.01	26.91	26.83						
15	16QAM	1	3264	27.06	26.96	26.88						
15	16QAM	1	3296	27.11	27.01	26.93						
15	16QAM	1	3328	27.16	27.06	26.98						
15	16QAM	1	3360	27.21	27.11	27.03						
15	16QAM	1	3392	27.26	27.16	27.08						
15	16QAM	1	3424	27.31	27.21	27.13						
15	16QAM	1	3456	27.36	27.26	27.18						
15	16QAM	1	3488	27.41	27.31	27.23						
15	16QAM	1	3520	27.46	27.36	27.28						
15	16QAM	1	3552	27.51	27.41	27.33						
15	16QAM	1	3584	27.56	27.46	27.38						
15	16QAM	1	3616	27.61	27.51	27.43						
15	16QAM	1	3648	27.66	27.56	27.48						
15	16QAM	1	3680	27.71	27.61	27.53						
15	16QAM	1	3712	27.76	27.66	27.58						
15	16QAM	1	3744	27.81	27.71	27.63						
15	16QAM	1	3776	27.86	27.76	27.68						
15	16QAM	1	3808	27.91	27.81	27.73						
15	16QAM	1	3840	27.96	27.86	27.78						
15	16QAM	1	3872	28.01	27.91	27.83						
15	16QAM	1	3904	28.06	27.96	27.88						
15	16QAM	1	3936	28.11	28.01	27.93						
15	16QAM	1	3968	28.16	28.06	27.98						
15	16QAM	1	4000	28.21	28.11	28.03						
15	16QAM	1	4032	28.26	28.16	28.08						
15	16QAM	1	4064	28.31	28.21	28.13						
15	16QAM	1	4096	28.36	28.26	28.18						
15	16QAM	1	4128	28.41	28.31	28.23						
15	16QAM	1	4160	28.46	28.36	28.28						
15	16QAM	1	4192	28.51	28.41	28.33						
15	16QAM	1	4224	28.56	28.46	28.38						
15	16QAM	1	4256	28.61	28.51	28.43						
15	16QAM	1	4288	28.66	28.56	28.48						
15	16QAM	1	4320	28.71	28.61	28.53						
15	16QAM	1	4352	28.76	28.66	28.58						
15	16QAM	1	4384	28.81	28.71	28.63						
15	16QAM	1	4416	28.86	28.76	28.68						
15	16QAM	1	4448	28.91	28.81	28.73						
15	16QAM	1	4480	28.96	28.86	28.78						
15	16QAM	1	4512	29.01	28.91	28.83						
15	16QAM	1	4544	29.06	28.96	28.88						
15	16QAM	1	4576	29.11	29.01	28.93						
15	16QAM	1	4608	29.16	29.06	28.98						
15	16QAM	1	4640	29.21	29.11	29.03						
15	16QAM	1	4672	29.26	29.16	29.08						
15	16QAM	1	4704	29.31	29.21	29.13						
15	16QAM	1	4736	29.36	29.26	29.18						
15	16QAM	1	4768	29.41	29.31	29.23						
15	16QAM	1	4800	29.46	29.36	29.28						
15	16QAM	1	4832	29.51	29.41	29.33						
15	16QAM	1	4864	29.56	29.46	29.38						
15	16QAM	1	4896	29.61	29.51	29.43						
15	16QAM	1	4928	29.66	29.56	29.48						
15	16QAM	1	4960									

Part 27Q_Band 42_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power Up Ch / Freq	Time-to-Settling (ms)	APPS (dB)	
Channel				42150	42550	42550			
Frequency (MHz)									
10	QPSK	1	0	10.89	10.81	10.70			
20	QPSK	1	40	10.89	10.80	10.71	17.5	0	
20	QPSK	30	0	10.70	10.87	10.80			
20	QPSK	50	0	10.80	10.80	10.74			
20	QPSK	30	24	10.80	10.80	10.73	17.5	0	
20	QPSK	50	50	10.81	10.79	10.70			
20	QPSK	100	0	10.84	10.80	10.70			
20	16QAM	1	0	10.82	10.76	10.68			
20	16QAM	1	40	10.80	10.83	10.69	17.5	0	
20	16QAM	30	0	10.71	10.84	10.78			
20	16QAM	50	0	10.77	10.71	10.68			
20	16QAM	50	24	10.70	10.89	10.81	17.5	0	
20	16QAM	50	50	10.72	10.80	10.81			
20	16QAM	100	0	10.73	10.67	10.60			
20	16QAM	1	0	10.83	10.71	10.60			
20	16QAM	1	40	10.87	10.56	10.40	17.5	0	
20	16QAM	1	99	10.83	10.45	10.38			
20	16QAM	30	0	10.87	10.80	10.70			
20	16QAM	50	24	10.80	10.70	10.72	17.5	0	
20	16QAM	50	50	10.79	10.74	10.71			
20	16QAM	100	0	10.80	10.70	10.71			
Channel				42165	42550	43015	Time-to-Settling (ms)	APPS (dB)	
Frequency (MHz)									
10	QPSK	1	0	10.89	10.82	10.48			
10	QPSK	1	37	10.87	10.70	10.47	17.5	0	
10	QPSK	1	74	10.82	10.52	10.40			
10	QPSK	30	0	10.73	10.69	10.30			
10	QPSK	30	24	10.74	10.68	10.33	17.5	0	
10	QPSK	30	50	10.83	10.80	10.48			
10	QPSK	75	0	10.80	10.74	10.31			
10	16QAM	1	0	10.84	10.50	10.44			
10	16QAM	1	37	10.83	10.58	10.33	17.5	0	
10	16QAM	1	74	10.80	10.52	10.40			
10	16QAM	30	0	10.53	10.30	10.42			
10	16QAM	30	24	10.58	10.45	10.40	17.5	0	
10	16QAM	30	50	10.54	10.53	10.38			
10	16QAM	75	0	10.53	10.58	10.38			
10	16QAM	1	37	10.49	10.30	10.23	17.5	0	
10	16QAM	1	74	10.41	10.28	10.20			
10	16QAM	30	0	10.70	10.58	10.38			
10	16QAM	30	24	10.81	10.81	10.48	17.5	0	
10	16QAM	30	50	10.80	10.54	10.38			
10	16QAM	75	0	10.80	10.53	10.48			
Channel				42160	42560	43060	Time-to-Settling (ms)	APPS (dB)	
Frequency (MHz)									
10	QPSK	1	0	10.83	10.88	10.57			
10	QPSK	1	25	10.72	10.88	10.49	17.5	0	
10	QPSK	1	40	10.87	10.42	10.40			
10	QPSK	25	0	10.84	10.70	10.59			
10	QPSK	25	12	10.81	10.63	10.54	17.5	0	
10	QPSK	25	25	10.80	10.49	10.48			
10	QPSK	50	0	10.84	10.80	10.51			
10	16QAM	1	0	10.70	10.59	10.52			
10	16QAM	1	25	10.82	10.80	10.46	17.5	0	
10	16QAM	1	40	10.81	10.83	10.30			
10	16QAM	25	0	10.57	10.59	10.50			
10	16QAM	25	12	10.51	10.45	10.42	17.5	0	
10	16QAM	25	25	10.51	10.40	10.40			
10	16QAM	50	0	10.81	10.45	10.41			
10	16QAM	1	0	10.40	10.37	10.20			
10	16QAM	1	25	10.52	10.40	10.30	17.5	0	
10	16QAM	1	40	10.34	10.20	10.24			
10	16QAM	25	0	10.80	10.81	10.37			
10	16QAM	25	12	10.84	10.57	10.54	17.5	0	
10	16QAM	25	25	10.81	10.53	10.50			
10	16QAM	50	0	10.81	10.82	10.30			
Channel				42185	42560	43065	Time-to-Settling (ms)	APPS (dB)	
Frequency (MHz)									
5	QPSK	1	0	10.82	10.57	10.50			
5	QPSK	1	12	10.70	10.71	10.40	17.5	0	
5	QPSK	1	24	10.80	10.50	10.40			
5	QPSK	12	0	10.74	10.86	10.82			
5	QPSK	12	12	10.80	10.80	10.81	17.5	0	
5	QPSK	12	13	10.80	10.80	10.58			
5	QPSK	25	0	10.88	10.70	10.40			
5	16QAM	1	0	10.50	10.50	10.40			
5	16QAM	1	12	10.80	10.83	10.43	17.5	0	
5	16QAM	1	24	10.50	10.40	10.30			
5	16QAM	12	0	10.59	10.40	10.31			
5	16QAM	12	12	10.82	10.40	10.30	17.5	0	
5	16QAM	12	13	10.47	10.54	10.40			
5	16QAM	25	0	10.50	10.49	10.39			
5	16QAM	1	0	10.40	10.40	10.30			
5	16QAM	1	12	10.49	10.40	10.20	17.5	0	
5	16QAM	1	24	10.41	10.20	10.20			
5	16QAM	12	0	10.74	10.50	10.50			
5	16QAM	12	12	10.71	10.57	10.47	17.5	0	
5	16QAM	25	0	10.50	10.83	10.47			
5	16QAM	25	0	10.71	10.50	10.40			



Full Power		2CC													
Configure		CA Configuration (BCS)	PCC							SCC				Power	
			LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)
Inter-Band		CA_41A-42A	Band 41	20M	2593	40620	QPSK	1	49	Band 42	20M	3500	42590	24.08	24.13
Intra-Band	Contiguous	CA_42C	Band 42	20M	3500	42590	QPSK	1	49	Band 42	20M	3519.80	42788	22.83	22.95
		CA_41C	Band 41	20M	2593	40620	QPSK	1	49	Band 41	20M	2612.80	40818	24.01	24.13

WIFI&BT Power

<WLAN 2.4GHz FCC>

		Full Power		Head/Receiver on Standalone		Head/Receiver on Simultaneous		Body/Receiver off Standalone		Body/Receiver off Simultaneous+Hotspot		Duty Cycle %		
		Art 7		Art 7		Art 7		Art 7		Art 7				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)		Tune-Up Limit	
2.4GHz WiLAN	802.11Mbps	1	2412	13.44	14.00	13.44	14.00	12.90	13.50	13.44	14.00	13.44	14.00	100.00
		2	2417	17.45	18.00	16.89	17.50	12.85	13.50	17.45	18.00	17.45	18.00	
		6	2437	17.44	18.00	17.10	17.50	12.92	13.50	17.44	18.00	17.44	18.00	
		11	2462	17.70	18.00	17.10	17.50	12.86	13.50	17.70	18.00	17.70	18.00	

<WLAN 5GHz FCC>

				Full Power	Head(Receiver on) Standalone	Head(Receiver on) Simultaneous(WWAN +5G)	Head(Receiver on) Simultaneous(WWAN +5G+BT)	Body(Receiver off) Standalone	Body(Receiver off) Simultaneous&Hotspot on	Body(Receiver off) Simultaneous(WWAN +5G+BT)	Duty Cycle %
				Art 7	Art 7	Art 7	Art 7	Art 7	Art 7	Art 7	
5.2GHz WLAN	802.11a 6Mbps	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit
			36	5180	18.74	18.50	13.50	10.50	10.00	17.50	18.00
			40	5200	17.89	18.50	13.50	10.50	10.00	17.50	18.00
			44	5220	18.30	20.00	Not Required	10.50	10.00	Not Required	15.50
			48	5240	18.18	20.00	13.50	10.50	10.00	17.50	18.00
	802.11n-HT40 MCS0	Channel	38	5190	12.67	14.50	11.61	13.50	10.50	12.67	14.50
			46	5230	16.72	18.50	11.70	13.50	10.50	15.72	17.50
			42	5210	10.57	12.50	10.57	12.50	8.68	10.50	8.18
	802.11ac-VHT80 MCS0	Channel	42	5210	10.57	12.50	10.57	12.50	8.68	10.50	8.18
			42	5210	10.57	12.50	10.57	12.50	8.68	10.50	8.18

				Full Power	Head(Receiver on) Standalone	Head(Receiver on) Simultaneous(WWAN +5G)	Head(Receiver on) Simultaneous(WWAN +5G+BT)	Body(Receiver off) Standalone	Body(Receiver off) Simultaneous	Body(Receiver off) Simultaneous(WWAN +5G+BT)	Duty Cycle %
				Art 7	Art 7	Art 7	Art 7	Art 7	Art 7	Art 7	
5.3GHz WLAN	802.11a 6Mbps	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit
			52	5260	18.30	20.00	13.50	10.50	10.00	17.50	18.00
			56	5280	17.74	19.50	13.50	10.50	10.00	17.50	18.00
			60	5300	18.59	18.50	Required	10.50	10.00	Not Required	15.50
			64	5320	14.67	16.50	13.50	10.50	10.00	17.50	18.00
	802.11n-HT40 MCS0	Channel	54	5270	16.68	18.50	11.74	13.50	10.50	15.60	17.50
			62	5310	12.15	14.00	11.69	13.50	10.50	12.15	14.00
			58	5290	10.13	12.00	10.13	12.00	8.74	10.50	8.11
			58	5290	10.13	12.00	10.13	12.00	8.74	10.50	8.11
			58	5290	10.13	12.00	10.13	12.00	8.74	10.50	8.11

				Full Power	Head(Receiver on) Standalone	Head(Receiver on) Simultaneous(WWAN +5G)	Head(Receiver on) Simultaneous(WWAN +5G+BT)	Body(Receiver off) Standalone	Body(Receiver off) Simultaneous	Body(Receiver off) Simultaneous(WWAN +5G+BT)	Duty Cycle %
				Art 7	Art 7	Art 7	Art 7	Art 7	Art 7	Art 7	
5.5GHz WLAN	802.11a 6Mbps	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit
			100	5500	12.75	14.50	13.50	10.50	10.00	14.50	14.50
			116	5580	18.80	20.50	13.50	10.50	10.00	17.50	18.00
			124	5620	18.77	20.50	13.50	10.50	10.00	17.50	18.00
			132	5660	17.73	19.50	13.50	10.50	10.00	17.50	18.00
	802.11ac-VHT80 MCS0	Channel	140	5700	12.69	14.50	13.50	10.50	10.00	14.50	14.50
			106	5530	11.23	13.00	11.23	13.00	8.67	10.50	8.10
			122	5610	15.76	17.50	11.76	13.50	8.69	10.50	8.16
			122	5610	15.76	17.50	11.76	13.50	8.69	10.50	8.16
			122	5610	15.76	17.50	11.76	13.50	8.69	10.50	8.16

				Full Power	Head(Receiver on) Standalone	Head(Receiver on) Simultaneous(WWAN +5G)	Head(Receiver on) Simultaneous(WWAN +5G+BT)	Body(Receiver off) Standalone	Body(Receiver off) Simultaneous&Hotspot on	Body(Receiver off) Simultaneous(WWAN +5G+BT)	Duty Cycle %
				Art 7	Art 7	Art 7	Art 7	Art 7	Art 7	Art 7	
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit
			149	5745	18.94	20.50	13.50	10.50	10.00	17.50	18.00
			157	5785	18.79	20.50	13.50	10.50	10.00	17.50	18.00
			165	5825	18.84	20.50	Required	10.50	10.00	Not Required	15.50
			155	5775	18.77	18.50	11.63	13.50	8.71	10.50	8.15



<Bluetooth>			Ant 7
Mode	Channel	Frequency (MHz)	Average power (dBm)
			1Mbps
BR / EDR	CH 00	2402	12.20
	CH 39	2441	12.00
	CH 78	2480	12.20
Tune-up Limit			14