

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		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	
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_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			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_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				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_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				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_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				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_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				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_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				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_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				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_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				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_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				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				20050	20175	20300			
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	23.05	23.10	23.06	24.8	0	
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				20050	20175	20300			
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	21.15	21.21	21.17	22.8	0	
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				20050	20175	20300			
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	23.05	23.10	23.06	24.8	0	
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				20050	20175	20300			
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	18.50	18.56	18.51	20.3	0	
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				20050	20175	20300			
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	21.05	21.10	21.05	24.8	0	
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				20050	20175	20300			
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	24.13	24.15	24.14	24.8	0	
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				20050	20175	20300			
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	21.83	21.85	21.84	22.3	0	
20	QPSK	50	0	21.81	21.84	21.83	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				20050	20175	20300			
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	18.35	18.41	18.34	18.8	0	
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				20050	20175	20300			
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	19.31	19.38	19.30	19.8	0	
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				20050	20175	20300			
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	17.34	17.42	17.30	17.8	0	
20	QPSK	50	0	17.36	17.41	17.36	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				20050	20175	20300			
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	22.44	22.63	22.62	24.3	0	
20	QPSK	50	0	21.39	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				20050	20175	20300			
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	22.44	22.63	22.62	24.3	0	
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				20050	20175	20300			
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	22.44	22.63	22.62	24.3	0	
20	QPSK	50	0	21.39	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				20050	20175	20300			
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	22.44	22.63	22.62	24.3	0	
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				20050	20175	20300			
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	22.44	22.63	22.62	24.3	0	
20	QPSK	50	0	21.39	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	24.09	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	24.09	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	24.09	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	19.09	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			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	22.85	22.92	22.83	24.8	0	
20	QPSK	50	0	22.32	22.34	22.25	23.8	1	
20	QPSK	100	0	22.31	22.40	22.32			

Band 7_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				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	20.81	20.63	20.75	22.3	0	
20	QPSK	50	0	20.74	20.81	20.71	22.3	0	
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			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	22.85	22.92	22.83	24.8	0	
20	QPSK	50	0	22.32	22.34	22.25	23.8	1	
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			
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	18.32	19.8	0	
20	QPSK	100	0	18.32	18.41	18.35			

Band 7_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				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	22.15	22.32	22.63	24.8	0	
20	QPSK	50	0	22.32	22.34	22.25	23.8	1	
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			
Frequency [MHz]				2510	2535	2560			
20	QPSK	1	0	24.18	24.17	24.02	24.8	0	
20	QPSK	50	0	23.18	23.16	23.11	23.8	1	
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			
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	17.8	0	
20	QPSK	100	0	17.15	17.21	17.14			

Band 7_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				20850	21100	21350			
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	14.3	0	
20	QPSK	100	0	13.52	13.55	13.50			

Band 7_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				20850	21100	21350			
Frequency [MHz]				2510	2535	2560			
20	QPSK	1	0	14.02	14.05	14.00	15.3	0	
20	QPSK	50	0	14.01	14.03	14.04	15.3	0	
20	QPSK	100	0	14.02	14.06	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			
Frequency [MHz]				2510	2535	2560			
20	QPSK	1	0	12.63	12.70	12.60	13.3	0	
20	QPSK	50	0	12.61	12.65	12.54	13.3	0	
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		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	23.52	23.56	23.50	24.8	0
10	QPSK	25	0	22.51	22.60	22.48	23.8	1
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		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	23.52	23.56	23.50	24.8	0
10	QPSK	25	0	22.51	22.60	22.48	23.8	1
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		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	23.52	23.56	23.50	24.8	0
10	QPSK	25	0	22.51	22.60	22.48	23.8	1
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		
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	23.8	0
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		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	23.52	23.56	23.50	24.8	0
10	QPSK	25	0	22.51	22.60	22.48	23.8	1
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		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	23.89	23.99	23.93	24.8	0
10	QPSK	25	0	22.68	22.83	22.83	23.8	1
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		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	23.52	23.56	23.50	24.8	0
10	QPSK	25	0	22.89	22.93	22.83	23.8	1
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		
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	22.8	0
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		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	23.40	23.42	23.36	24.3	0
10	QPSK	25	0	22.63	22.87	22.80	23.8	0.5
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		
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	21.8	0
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		23.96		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_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				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_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				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_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				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_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				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_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				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_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				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_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				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_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				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_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				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_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				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_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				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_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				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 41_Ant 0										
Ref	Modulation	Channel	RF Ch	RF Ch Offset	Low Ch Freq	Power Ch Freq	High Ch Freq	Power Ch Freq	Time-up (sec)	MFR (dB)
Frequency (MHz)										
00	QPSK	1	0	0	23.96	23.96	24.00	23.98	20.8	0
00	QPSK	1	80	24.54	24.58	24.52	23.78			
00	QPSK	50	4	24.52	24.55	23.65	24.45			
00	QPSK	50	84	23.65	23.68	24.45	24.42			
00	QPSK	50	50	0	23.61	23.58	23.63	23.37	23.8	
00	QPSK	50	80	23.63	23.66	23.37	23.37			
00	QPSK	50	0	23.53	23.54	23.56	23.44			
00	QPSK	1	80	23.56	23.58	23.63	23.43			
00	QPSK	50	4	23.42	23.45	23.35	23.42		23.8	
00	QPSK	50	84	23.35	23.38	23.42	23.42			
00	QPSK	50	0	22.48	22.53	22.56	22.45			
00	QPSK	50	80	22.45	22.48	22.53	22.42			
00	QPSK	50	50	0	22.53	22.56	22.61	22.42	22.8	2
00	QPSK	50	80	22.42	22.45	22.53	22.42			
00	QPSK	1	80	22.38	22.34	22.40	22.18			
00	QPSK	1	80	22.30	22.32	22.34	22.18			
00	QPSK	50	4	22.18	22.21	22.18	22.18		23.8	2
00	QPSK	50	84	22.14	22.16	22.13	22.02			
00	QPSK	50	0	21.62	21.65	21.70	21.62			
00	QPSK	1	80	21.65	21.68	21.70	21.62			
Channel										
Frequency (MHz)					42575	42600	42590	42580	Time-up (sec)	MFR (dB)
15	QPSK	1	0	0	23.93	23.93	23.79	23.85	24.8	0
15	QPSK	1	87	23.88	23.90	24.01	23.72			
15	QPSK	1	87	23.88	23.94	23.72	23.81			
15	QPSK	36	0	23.41	23.44	23.46	23.33			
15	QPSK	36	80	23.44	23.46	23.33	23.33		23.8	
15	QPSK	36	0	23.33	23.33	23.38	23.14			
15	QPSK	36	80	23.33	23.42	23.37	23.20			
15	QPSK	36	80	23.33	23.44	23.38	23.20			
15	QPSK	1	87	23.47	23.54	23.50	23.29		23.8	1
15	QPSK	1	87	23.47	23.54	23.44	23.29			
15	QPSK	36	0	22.33	22.33	22.33	22.26			
15	QPSK	36	80	22.34	22.38	22.44	22.26			
15	QPSK	36	80	22.34	22.38	22.44	22.26		22.8	2
15	QPSK	36	0	22.30	22.31	22.46	22.23			
15	QPSK	36	80	22.30	22.31	22.46	22.23			
15	QPSK	36	80	22.30	22.31	22.46	22.23			
15	QPSK	1	87	22.18	22.23	22.16	21.96		22.8	2
15	QPSK	1	87	22.18	22.23	22.16	21.96			
15	QPSK	1	84	22.15	22.15	22.27	21.96			
15	QPSK	1	84	22.15	22.15	22.27	21.96			
15	QPSK	36	80	22.00	22.00	22.07	21.96		21.8	3
15	QPSK	36	80	22.00	22.07	22.04	21.71			
15	QPSK	36	80	22.00	22.07	22.04	21.71			
15	QPSK	36	80	22.00	22.05	22.03	21.71			
Channel										
Frequency (MHz)					42580	42600	42590	42580	Time-up (sec)	MFR (dB)
30	QPSK	1	0	0	23.94	23.92	23.83	23.87	24.8	0
30	QPSK	1	25	23.84	23.86	24.00	23.69			
30	QPSK	1	2	23.82	23.83	23.87	23.71			
30	QPSK	12	0	23.42	23.43	23.46	23.30			
30	QPSK	12	0	23.42	23.43	23.46	23.30		23.8	1
30	QPSK	12	7	23.40	23.41	23.44	23.27			
30	QPSK	12	7	23.40	23.41	23.44	23.27			
30	QPSK	12	7	23.40	23.41	23.44	23.27			
30	QPSK	25	0	23.43	23.38	23.39	23.24		23.8	3
30	QPSK	25	0	23.43	23.38	23.39	23.24			
30	QPSK	25	0	23.43	23.38	23.39	23.24			
30	QPSK	25	0	23.43	23.38	23.39	23.24			
30	QPSK	1	12	23.46	23.45	23.42	23.27		23.8	1
30	QPSK	1	12	23.46	23.45	23.42	23.27			
30	QPSK	1	12	23.46	23.45	23.42	23.27			
30	QPSK	1	12	23.46	23.45	23.42	23.27			
30	QPSK	1	89	23.12	23.20	23.23	23.18		22.8	2
30	QPSK	1	89	23.12	23.20	23.23	23.18			
30	QPSK	1	89	23.12	23.20	23.23	23.18			
30	QPSK	1	89	23.12	23.20	23.23	23.18			
30	QPSK	25	12	23.03	23.05	23.06	22.89		21.8	3
30	QPSK	25	12	23.03	23.05	23.06	22.89			
30	QPSK	25	12	23.03	23.05	23.06	22.89			
30	QPSK	25	12	23.03	23.05	23.06	22.89			
Channel										
Frequency (MHz)					42585	42600	42585	42575	Time-up (sec)	MFR (dB)
5	QPSK	1	0	0	23.97	23.97	23.93	23.93	24.8	0
5	QPSK	1	12	23.87	23.92	23.87	23.71			
5	QPSK	1	12	23.87	23.92	23.87	23.71			
5	QPSK	12	0	23.42	23.43	23.46	23.30			
5	QPSK	12	0	23.42	23.43	23.46	23.30		23.8	1
5	QPSK	12	7	23.40	23.41	23.44	23.27			
5	QPSK	12	7	23.40	23.41	23.44	23.27			
5	QPSK	12	7	23.40	23.41	23.44	23.27			
5	QPSK	25	0	23.43	23.38	23.39	23.24		23.8	3
5	QPSK	25	0	23.43	23.38	23.39	23.24			
5	QPSK	25	0	23.43	23.38	23.39	23.24			
5	QPSK	25	0	23.43	23.38	23.39	23.24			
5	QPSK	1	12	23.46	23.45	23.42	23.27		23.8	1
5	QPSK	1	12	23.46	23.45	23.42	23.27			
5	QPSK	1	12	23.46	23.45	23.42	23.27			
5	QPSK	1	12	23.46	23.45	23.42	23.27			
5	QPSK	1	89	23.49	23.53	23.53	23.21		22.8	2
5	QPSK	1	89	23.49	23.53	23.53	23.21			
5	QPSK	1	89	23.49	23.53	23.53	23.21			
5	QPSK	1	89	23.49	23.53	23.53	23.21			
5	QPSK	12	7	23.43	23.43	23.38	23.29		22.8	2
5	QPSK	12	7	23.43	23.43	23.38	23.29			
5	QPSK	12	7	23.43	23.43	23.38	23.29			
5	QPSK	12	7	23.43	23.43	23.38	23.29			
5	QPSK	1	24	22.06	22.12	22.21	21.94		22.8	2
5	QPSK	1	24	22.06	22.12	22.21	21.94			
5	QPSK	1	24	22.06	22.12	22.21	21.94			
5	QPSK	1	24	22.06	22.12	22.21	21.94			
5	QPSK	12	7	22.00	22.00	22.05	21.70		21.8	3
5	QPSK	12	7	22.00	22.00	22.05	21.70			
5	QPSK	12	7	22.00	22.00	22.05	21.70			
5	QPSK	12	7	22.00	22.00	22.05	21.70			

Full & Default Power

[illegible]

Band 41 Ant 1												
FR1	Modulation	Subcarrier	Initial Offset	Final Offset	Low Power	Power	Power	Power	Power	Power	Power	Power
			Offset	Offset	Offset	Power	Power	Power	Power	Power	Power	Power
Frequency (MHz)												
20	QPSK	1	0	21.88	23.25	18.18	18.18	24.21		24.8	0	
20	QPSK	1	16	21.88	23.25	18.18	18.18	24.21				
20	QPSK	1	32	21.84	24.11	24.22	24.22	24.28				
20	QPSK	50	0	21.81	22.91	22.91	22.91	22.91				
20	QPSK	50	16	21.81	22.91	22.91	22.91	22.91				
20	QPSK	50	32	21.88	22.96	23.24	23.24	23.24				
20	QPSK	50	48	21.88	22.97	23.14	23.14	23.15				
20	QPSK	1	48	21.84	24.01	24.01	24.01	24.01		23.8		
20	QPSK	1	64	21.84	24.01	24.01	24.01	24.01				
20	QPSK	50	0	21.83	21.93	22.18	22.24					
20	QPSK	50	16	21.84	21.97	22.24	22.22					
20	QPSK	50	32	21.84	21.97	22.24	22.24					
20	QPSK	50	48	21.83	21.99	22.22	22.21					
20	QPSK	128	0	21.83	21.99	22.22	22.21					
20	QPSK	128	16	21.83	21.99	22.22	22.21					
20	QPSK	128	32	21.83	21.99	22.22	22.21					
20	QPSK	128	48	21.81	21.75	21.84	21.83			23.8		
20	QPSK	1	48	21.81	21.81	21.97	21.98					
20	QPSK	1	64	21.81	21.81	21.97	21.98					
20	QPSK	50	0	21.83	21.93	22.18	22.18					
20	QPSK	50	16	21.83	21.97	22.18	22.18					
20	QPSK	50	32	21.83	21.97	22.18	22.18					
20	QPSK	50	48	21.83	21.97	22.18	22.18					
Channel												
20	QPSK	1	0	46.65	46.65	46.65	46.65			Power	Mbps	
Frequency (MHz)												
18	QPSK	1	0	21.81	21.72	21.83	21.83					
18	QPSK	1	16	21.72	21.80	21.81	21.80			24.8	0	
18	QPSK	1	32	21.72	21.80	21.81	21.80					
18	QPSK	50	0	21.73	22.83	22.83	22.83					
18	QPSK	50	16	21.73	22.83	22.83	22.83					
18	QPSK	50	32	21.73	22.83	22.83	22.83					
18	QPSK	50	48	21.73	22.83	22.83	22.83					
18	QPSK	128	0	21.73	22.83	22.83	22.83					
18	QPSK	128	16	21.73	22.83	22.83	22.83					
18	QPSK	128	32	21.73	22.83	22.83	22.83					
18	QPSK	128	48	21.73	22.83	22.83	22.83					
18	QPSK	1	48	21.72	21.77	21.86	21.87			23.8		
18	QPSK	1	64	21.72	21.77	21.86	21.87					
18	QPSK	50	0	21.73	22.83	22.83	22.83					
18	QPSK	50	16	21.73	22.83	22.83	22.83					
18	QPSK	50	32	21.73	22.83	22.83	22.83					
18	QPSK	50	48	21.73	22.83	22.83	22.83					
Channel												
18	QPSK	1	0	46.65	46.65	46.65	46.65			Power	Mbps	
Frequency (MHz)												
5	QPSK	1	0	21.87	21.93	21.93	21.93	24.13	24.13			
5	QPSK	1	12	21.82	21.90	21.94	21.94	24.10		24.8	0	
5	QPSK	1	24	21.82	21.90	21.94	21.94	24.10				
5	QPSK	12	0	21.74	21.86	21.93	21.93	24.12				
5	QPSK	12	7	21.66	21.83	21.93	21.93	24.10				
5	QPSK	12	14	21.66	21.83	21.93	21.93	24.10				
5	QPSK	12	21	21.73	21.84	21.95	21.95	24.11				
5	QPSK	12	28	21.73	21.84	21.95	21.95	24.11				
5	QPSK	1	12	21.78	21.87	21.94	21.94			23.8		
5	QPSK	1	24	21.78	21.87	21.94	21.94					
5	QPSK	12	7	21.67	21.81	21.92	21.92			22.8		
5	QPSK	12	14	21.67	21.81	21.92	21.92					
5	QPSK	12	21	21.71	21.77	21.91	21.91					
5	QPSK	12	28	21.71	21.77	21.91	21.91					
5	QPSK	1	0	21.41	21.41	21.84	21.82			22.8		
5	QPSK	1	12	21.41	21.41	21.84	21.82					
5	QPSK	1	24	21.46	21.61	21.77	21.76					
5	QPSK	12	0	21.36	21.36	21.78	21.77			22.8		
5	QPSK	12	13	21.39	21.39	21.86	21.86					

Band 41 (HPUE)_Ant 1										
RF	Modulation	RB	RB Offset	Line	Power	Power	Power	Power	Time	Mn
Ch				Loc	Power	Power	Power	Power	Power	Power
				Loc	Power	Power	Power	Power	Power	Power
Frequency Channel										
20	QPSK	1	0	29.03	29.03	29.28	29.35			
20	QPSK	1	0	29.03	29.03	29.28	29.35			
20	QPSK	1	0	29.03	29.03	29.28	29.35			
20	QPSK	50	0	29.22	29.27	29.38	29.38			
20	QPSK	50	0	29.22	29.27	29.38	29.38			
20	QPSK	50	50	29.36	29.36	29.51	29.50		24.5	1
20	QPSK	50	50	29.36	29.36	29.51	29.50		24.5	1
20	16QAM	1	0	29.04	29.02	29.48	29.55			
20	16QAM	1	49	29.41	29.53	29.59	29.61		24.5	1
20	16QAM	50	0	29.22	29.27	29.38	29.38			
20	16QAM	50	0	29.26	29.26	29.50	29.62			
20	16QAM	50	24	29.16	29.21	29.56	29.66		23.5	2
20	16QAM	50	24	29.16	29.21	29.56	29.66		23.5	2
20	16QAM	100	0	29.19	29.33	29.56	29.56			
20	16QAM	100	0	29.19	29.33	29.56	29.56			
20	16QAM	1	49	29.21	29.35	29.54	29.48		23.5	2
20	16QAM	1	49	29.21	29.35	29.54	29.48		23.5	2
20	16QAM	50	24	29.17	29.18	29.58	29.62		22.5	3
20	16QAM	50	24	29.17	29.18	29.58	29.62		22.5	3
20	16QAM	100	0	29.72	29.83	29.97	29.05			
Channel										
				49.613	49.605	49.606	49.605		Mn	Ch
15	QPSK	1	0	29.03	29.03	29.28	29.35			
15	QPSK	1	57	29.04	29.10	29.37	29.38		25.5	0
15	QPSK	25	0	29.20	29.20	29.45	29.45			
15	QPSK	25	0	29.20	29.24	29.46	29.46			
15	QPSK	25	0	29.20	29.24	29.46	29.46			
15	QPSK	25	0	29.20	29.24	29.46	29.46		24.5	1
15	QPSK	25	0	29.20	29.24	29.46	29.46		24.5	1
15	QPSK	75	0	29.07	29.11	29.35	29.28			
15	QPSK	75	0	29.07	29.21	29.34	29.29			
15	QPSK	75	0	29.07	29.21	29.34	29.29			
15	QPSK	75	0	29.07	29.21	29.34	29.29			
15	16QAM	1	57	29.20	29.42	29.44	29.44		24.5	1
15	16QAM	1	57	29.20	29.42	29.44	29.44		24.5	1
15	16QAM	25	0	29.04	29.04	29.33	29.50			
15	16QAM	25	0	29.04	29.08	29.33	29.50			
15	16QAM	25	0	29.04	29.08	29.33	29.50			
15	16QAM	25	0	29.04	29.08	29.33	29.50			
15	16QAM	75	0	29.08	29.19	29.34	29.33		23.5	2
15	16QAM	75	0	29.08	29.19	29.34	29.33		23.5	2
15	16QAM	1	57	29.08	29.20	29.24	29.23		23.5	2
15	16QAM	1	57	29.08	29.20	29.24	29.23		23.5	2
15	16QAM	1	74	29.05	29.29	29.34	29.27			
15	16QAM	1	74	29.05	29.29	29.34	29.27			</

Band 41_Ant 4													
Site [MHz]	Modulation	Ch. Size	RB Offset	Power Low Ch. [Freq]	Power Main Ch. [Freq]	Power High Ch. [Freq]	Power Peak Ch. [Freq]	Turn-on time (dBm)	MFR (dB)				
Channel													
Frequency [MHz]													
20	QPSK	1	0	23.09	23.14	23.24	23.18	24.1	0				
20	QPSK	1	49	23.27	23.32	23.39	23.26						
20	QPSK	1	99	23.45	23.50	23.56	23.40						
20	QPSK	50	0	23.71	23.76	23.82	23.70						
20	QPSK	50	24	23.73	23.81	23.86	23.78						
20	QPSK	50	50	23.73	23.74	23.73	23.81	23.1	1				
20	WCDMA	1	0	22.70	22.70	22.80	22.70						
20	WCDMA	1	49	22.77	22.68	22.68	22.78						
20	WCDMA	1	99	22.36	22.68	22.68	22.73						
20	WCDMA	50	0	21.97	21.73	21.61	21.79						
20	WCDMA	50	24	21.71	21.77	21.69	21.77	22.1	2				
20	WCDMA	50	50	21.78	21.78	21.78	21.78						
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						
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]													
15	QPSK	1	0	22.90	22.90	22.94	22.93	24.1	0				
15	QPSK	1	37	22.97	23.18	23.28	23.17						
15	QPSK	1	74	23.02	23.17	23.23	23.08						
15	QPSK	36	0	22.61	22.70	22.69	22.71						
15	QPSK	36	20	22.54	22.54	22.62	22.62						
15	QPSK	36	36	22.48	22.55	22.72	22.49	23.1	1				
15	QPSK	76	0	22.45	22.62	22.65	22.59						
15	WCDMA	1	0	22.48	22.59	22.59	22.59						
15	WCDMA	1	37	22.54	22.63	22.74	22.59						
15	WCDMA	1	74	22.54	22.73	22.71	22.48						
15	WCDMA	36	0	21.52	21.57	21.65	21.59	22.1	2				
15	WCDMA	36	20	21.54	21.61	21.69	21.55						
15	WCDMA	36	36	21.52	21.58	21.63	21.52						
15	WCDMA	76	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	21.22	21.41	21.44	21.32						
15	WCDMA	36	20	20.02	20.09	20.23	20.01						
15	WCDMA	36	36	20.02	20.15	20.16	20.01						
15	WCDMA	76	0	20.02	20.13	20.11	20.11						
Channel													
Frequency [MHz]													
10	QPSK	1	0	22.84	22.85	22.84	22.85	24.1	0				
10	QPSK	1	25	22.97	23.13	23.27	23.07						
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						
10	QPSK	25	24	22.51	22.65	22.67	22.52	23.1	1				
10	QPSK	50	0	22.58	22.65	22.67	22.62						
10	WCDMA	1	0	22.52	22.60	22.61	22.58						
10	WCDMA	1	25	22.52	22.79	22.71	22.52						
10	WCDMA	1	49	22.51	22.74	22.75	22.48						
10	WCDMA	25	0	21.47	21.55	21.57	21.54	22.1	2				
10	WCDMA	25	12	21.47	21.57	21.74	21.49						
10	WCDMA	25	24	21.50	21.57	21.73	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	37	21.31	21.38	21.55	21.38	22.1	2				
10	WCDMA	1	74	21.25	21.30	21.43	21.29						
10	WCDMA	25	0	19.98	20.08	20.07	20.18						
10	WCDMA	25	12	20.08	20.11	20.29	20.09						
10	WCDMA	25	24	20.08	20.12	20.13	19.98						
Channel													
Frequency [MHz]													
5	QPSK	1	0	22.68	22.68	22.68	22.68	24.1	0				
5	QPSK	1	12	22.68	22.78	22.78	22.68						
5	QPSK	1	24	23.01	23.07	23.21	23.09						
5	QPSK	12	0	22.59	22.62	22.78	22.59						
5	QPSK	12	7	22.47	22.56	22.66	22.56						
5	QPSK	12	19	22.57	22.62	22.73	22.54	23.1	1				
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						
5	WCDMA	1	24	22.52	22.77	22.78	22.48						
5	WCDMA	12	0	21.47	21.55	21.57	21.52	22.1	2				
5	WCDMA	12	7	21.59	21.57	21.66	21.66						
5	WCDMA	12	19	21.50	21.70	21.71	21.50						
5	WCDMA	25	0	21.49	21.63	21.69	21.52						
5	WCDMA	1	0	21.18	21.20	21.32	21.24						
5	WCDMA	1	12	21.25	21.35	21.44	21.34	22.1	3				
5	WCDMA	1	24	21.19	21.29	21.37	21.26						
5	WCDMA	12	0	19.98	20.08	20.11	20.07						
5	WCDMA	12	7	20.01	20.07	20.17	20.09						
5	WCDMA	12	19	20.05	20.08	20.11	20.07						

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 (dBm)	MFR (dB)				
Channel													
Frequency [MHz]													
20	QPSK	1	0	23.34	24.34	24.36	23.32	25.1	0				
20	QPSK	1	49	24.13	24.21	24.23	24.13						
20	QPSK	1	99	24.31	24.31	24.36	24.31						
20	QPSK	50	0	23.74	23.74	23.81	23.74						
20	QPSK	50	24	23.68	23.73	23.70	23.64						
20	QPSK	50	50	23.73	23.74	23.73	23.81	24.1	1				
20	WCDMA	1	0	23.38	23.74	23.78	23.38						
20	WCDMA	1	49	23.34	23.34	23.34	23.70						
20	WCDMA	1	99	23.85	23.87	23.82	23.72						
20	WCDMA	50	0	22.61	22.67	22.75	22.73						
20	WCDMA	50	24	22.69	22.71	22.61	22.70	23.1	2				
20	WCDMA	50	50	22.68	22.70	22.77	22.68						
20	WCDMA	100	0	22.62	22.70	22.77	22.68						
20	WCDMA	1	0	22.24	22.39	22.67	22.39						
20	WCDMA	1	49	22.66	22.74	22.77	22.63						
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						
Channel													
Frequency [MHz]													
15	QPSK	1	0	23.71	23.81	23.81	23.71				25.1	0	
15	QPSK	1	37	24.22	24.38	24.39	24.22						
15	QPSK	1	74	24.21	24.23	24.28	24.28						
15	QPSK	36	0	23.83	23.38	23.37	23.82						
15	QPSK	36	20	23.31	23.39	23.32	23.30						
15	QPSK	36	36	23.50	23.50	23.48	23.47	24.1	1				
15	QPSK	76	0	23.33	23.47	23.37	23.49						
15	WCDMA	1	0	23.31	23.31	23.38	23.43						
15	WCDMA	1	37	23.80	23.75	23.80	23.84						
15	WCDMA	1	74	23.84	23.74	23.88	23.53						
15	WCDMA	36	0	22.50	22.55	22.6	22.55	23.1	2				
15	WCDMA	36	20	22.44	22.50	22.56	22.47						
15	WCDMA	76	0	22.44	22.50	22.52	22.52						
15	WCDMA	36	36	22.51	22.57	22.57	22.51						
15	WCDMA	1	0	22.24	22.39	22.67	22.39						
15	WCDMA	1	37	22.66	22.74	22.77	22.63	23.1	2				
15	WCDMA	1	74	22.61	22.73	22.79	22.54						
15	WCDMA	36	20	21.16	21.23	21.32	21.19						
15	WCDMA	36	36	21.17	21.23	21.31	21.15						
15	WCDMA	76	0	21.13	21.22	21.29	21.12						
Channel													
Frequency [MHz]													
10	QPSK	1	0	23.78	24.00	24.00	23.76	25.1	0				
10	QPSK	1	24	24.01	24.00	24.07	24.01						
10	QPSK	1	48	24.03	24.00	24.07	24.03						
10	QPSK	25	0	23.81	23.83	23.87	23.86						
10	QPSK	25	12	23.83	23.84	23.84	23.85						
10	QPSK	25	24	23.83	23.85	23.87	23.84	24.1	1				
10	QPSK	50	0	23.40	23.40	23.48	23.36						
10	QPSK	50	24	23.42	23.40	23.48	23.36						
10	QPSK	50	50	23.42	23.40	23.48	23.36						
10	WCDMA	1	25	23.88	23.79	23.84	23.57						
10	WCDMA	1	49	23.84	23.74	23.88	23.53	23.1	1				
10	WCDMA	25	0	22.44	22.51	22.60	22.57						
10	WCDMA	25	12	22.53	22.48	22.53	22.55						
10	WCDMA	50	0	22.44	22.54	22.58	22.44						
10	WCDMA	50	24	22.51	22.46	22.53	22.52						
10	WCDMA	50	50	22.44	22.56	22.63	22.42	23.1	2				
10	WCDMA	1	49	22.56	22.54	22.57	22.59						
10	WCDMA	1	99	22.56	22.54	22.52	22.52						
10	WCDMA	25	12	21.21	21.12	21.10	21.07						
10	WCDMA	25	24	21.08	21.05	21.08	21.05						
10	WCDMA	50	0	20.56	21.05	21.04	20.54	23.1	2				
Channel													
Frequency [MHz]													
5	QPSK	1	0	23.65	24.65	24.65	23.63				25.1	0	
5	QPSK	1	12	24.34	24.60	24.68	24.32						
5	QPSK	1	24	24.35	24.60	24.67	24.34						
5	QPSK	12	0	23.63	23.64	23.66	23.63						
5	QPSK	12	6	23.65	23.64	23.65	23.66						
5	QPSK	25	0	23.49	23.49	23.52	23.43	24.1	1				
5	QPSK	25	6	23.49	23.49	23.50	23.48						
5	QPSK	25	12	23.49	23.50	23.52	23.43						
5	WCDMA	1	12	23.56	23.73	23.81	23.61						
5	WCDMA	1	24	23.67	23.70	23.80	23.59						
5	WCDMA	12	7	23.41	23.46	23.57	23.42	23.1	2				
5	WCDMA	12	19	23.43	23.45	23.58	23.42						
5	WCDMA	25	0	22.43	22.50	22.62	22.49						
5	WCDMA	25	6	22.53	22.46	22.51	22.54						
5	WCDMA	1	24	22.37	22.53	22.61	22.34						
5	WCDMA	1	37	22.53	22.56	22.63	22.43	23.1	2				
5	WCDMA	12	7	20.86	21.12	21.12	20.86						
5	WCDMA	12	19	20.97	20.99	21.12	20.96						
5	WCDMA	25	0	20.56	21.05	21.04	20.56						
5	WCDMA	25	6	20.56	21.05	21.04	20.56						

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	24.50			
20	QPSK	50	24	24.42	24.52	24.45	23.8	1	
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	2	
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	24.51	24.50	24.49			
20	16QAM	50	24	24.48	24.50	24.51	21.8	3	
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	1	
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	74	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	2	
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	22.8	2	
10	16QAM	1	32	24.50	24.50	24.50			
10	16QAM	1	74	24.50	24.50	24.50			
10	16QAM	36	20	24.50	24.50	24.50	21.8	3	
10	16QAM	72	0	24.50	24.52	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	28	24.44	24.42	24.38	24.8	0	
10	QPSK	1	48	24.35	24.35	24.34			
10	QPSK	20	0	24.54	24.50	24.50			
10	QPSK	20	12	24.51	24.50	24.51	23.8	1	
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	24.48			
10	16QAM	1	28	24.50	24.49	24.51	23.8	1	
10	16QAM	1	48	24.50	24.50	24.50			
10	16QAM	20	12	24.50	24.49	24.50	22.8	2	
10	16QAM	1	0	24.54	24.50	24.52			
10	16QAM	1	28	24.50	24.50	24.50	22.8	2	
10	16QAM	1	48	24.50	24.50	24.50			
10	16QAM	20	12	24.50	24.50	24.52	21.8	3	
10	16QAM	20	25	24.50	24.50	24.50			
10	16QAM	50	0	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	24.38	24.8	0	
5	QPSK	1	24	24.51	24.52	24.50			
5	QPSK	12	0	24.50	24.42	24.39			
5	QPSK	12	7	24.50	24.50	24.50	23.8	1	
5	QPSK	12	14	24.50	24.50	24.50			
5	QPSK	20	0	24.53	24.40	24.38			
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	24.53			
5	16QAM	12	7	24.50	24.50	24.51			
5	16QAM	12	7	24.50	24.53	24.52	22.8	2	
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	22.8	2	
5	16QAM	1	12	24.50	24.50	24.50			
5	16QAM	1	24	24.50	24.50	24.50			
5	16QAM	12	7	24.52	24.50	24.50	21.8	3	
5	16QAM	12	14	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	23.16	23.20	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	1	
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	23.20	23.22	23.20			
20	16QAM	50	24	23.24	23.24	23.17	21.4	2	
20	16QAM	50	50	23.15	23.15	23.16			
20	16QAM	100	0	23.20	23.22	23.18			
Channel				42.610	42.650	42.650			
Frequency (MHz)				23.21	23.24	23.15	23.4	0	
15	QPSK	1	0	23.08	23.10	23.02			
15	QPSK	1	37	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	1	
15	QPSK	36	54	23.00	23.00	23.00			
15	QPSK	72	0	23.03	23.07	23.00			
15	16QAM	1	0	23.08	23.10	23.11			
15	16QAM	1	37	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	2	
15	16QAM	36	20	23.17	23.09	20.97			
15	16QAM	36	54	23.10	23.03	20.92			
15	16QAM	72	0	23.14	23.07	23.05			
15	16QAM	1	0	20.98	20.95	20.93	21.4	2	
15	16QAM	36	20	20.94	20.90	20.93	20.4	3	
15	16QAM	36	54	20.94	20.98	20.92			
15	16QAM	72	0	20.95	20.98	20.94			
Channel				42.610	42.650	42.650			
Frequency (MHz)				23.08	23.13	23.04	23.4	0	
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	48	23.08	23.06	23.06			
10	QPSK	20	0	23.02	23.01	23.06			
10	QPSK	20	12	22.92	23.06	22.97	22.4	1	
10	QPSK	20	24	23.06	23.00	23.00			
10	QPSK	50	0	23.07	23.04	23.03			
10	16QAM	1	0	23.06	23.06	23.14			
10	16QAM	1	20	23.05	23.13	23.06	22.4	1	
10	16QAM	1	48	23.02	23.10	23.09			
10	16QAM	20	12	23.23	23.02	20.96	21.4	2	
10	16QAM	20	24	23.05	23.11	23.03			
10	16QAM	50	0	23.14	23.01	20.99			
10	16QAM	1	0	20.98	20.94	20.94	21.4	2	
10	16QAM	36	0	20.96	20.92	20.90			
10	16QAM	1	48	20.88	20.78	20.57	20.4	3	
10	16QAM	20	12	20.98	20.96	19.95			
10	16QAM	20	25	20.98	19.99	19.94			
10	16QAM	50	0	20.90	20.97	19.93			
Channel				42.610	42.650	42.650			
Frequency (MHz)				22.99	23.04	23.03	23.4	0	
5	QPSK	1	0	23.03	23.04	23.03			
5	QPSK	1	10	23.07	23.11	22.99	23.4	0	
5	QPSK	1	20	23.08	23.08	23.08			
5	QPSK	12	0	23.08	23.08	23.08			
5	QPSK	20	0	23.04	23.01	23.07			
5	QPSK	20	10	23.04	23.05	23.04			
5	QPSK	20	20	23.04	23.05	23.04			
5	QPSK	50	0	23.03	23.03	23.03	22.4	1	
5	16QAM	1	0	23.03	23.04	23.04			
5	16QAM	1	24	23.07	23.11	23.08	21.4	2	
5	16QAM	12	7	23.14	23.08	20.92			
5	16QAM	1	0	20.98	20.94	20.94	21.4	2	
5	16QAM	36	0	20.96	20.92	20.90			
5	16QAM	1	24	20.93	20.83	20.57	20.4	3	
5	16QAM	1	24	20.93	20.93	20.93			
5	16QAM	12	7	20.93	20.91	19.87			
5	16QAM	12	13	20.90	20.90	19.89			
5	16QAM	50	0	20.90	20.95	19.90	20.4	3	

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									
Frequency (MHz)									
20	QPSK	0	0	23.96	23.91	22.90	23.5	0	
20	QPSK	1	49	23.97	23.97	23.10			
20	QPSK	80	80	22.98	22.97	22.90			
20	QPSK	50	0	23.97	23.97	23.10	22.5	1	
20	QPSK	50	24	22.95	22.90	22.90			
20	QPSK	50	50	22.91	21.93	21.90			
20	HCQAM	1	0	22.94	22.94	22.90	22.5	1	
20	HCQAM	1	49	22.15	22.13	21.98			
20	HCQAM	1	49	22.15	21.98	21.98			
20	HCQAM	50	0	21.97	21.91	21.96	21.5	2	
20	HCQAM	50	24	21.99	20.99	20.99			
20	HCQAM	50	59	19.99	19.94	19.94			
20	HCQAM	100	0	21.93	20.97	20.97	21.5	2	
20	HCQAM	1	49	20.97	20.76	20.86			
20	HCQAM	1	59	20.73	20.69	20.69			
20	HCQAM	20	0	20.97	20.93	20.93	20.5	3	
20	HCQAM	50	24	20.98	19.98	19.92			
20	HCQAM	50	59	19.99	19.94	19.94			
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	0	22.91	22.86	22.79	23.5	0	
10	QPSK	1	37	22.89	22.88	22.88			
10	QPSK	74	74	22.79	22.79	22.79			
10	QPSK	36	0	21.90	21.90	21.77	22.5	1	
10	QPSK	36	20	21.80	21.80	21.77			
10	QPSK	36	39	21.88	21.70	21.66			
10	QPSK	75	0	21.83	21.83	21.70	22.5	1	
10	HCQAM	1	37	22.81	21.81	21.83			
10	HCQAM	1	37	22.81	21.81	21.83			
10	HCQAM	1	74	21.86	21.69	21.69	21.5	2	
10	HCQAM	36	0	20.88	20.77	20.84			
10	HCQAM	36	20	20.92	20.83	20.78			
10	HCQAM	36	39	20.99	20.71	20.78	21.5	2	
10	HCQAM	75	0	20.82	20.83	20.78			
10	HCQAM	1	0	20.84	20.82	20.78	21.5	2	
10	HCQAM	1	37	20.74	20.61	20.51			
10	HCQAM	1	74	20.52	20.48	20.36			
10	HCQAM	36	0	19.91	19.78	19.72	20.5	3	
10	HCQAM	36	20	19.84	19.81	19.74			
10	HCQAM	36	39	19.81	19.71	19.71			
10	HCQAM	75	0	19.89	19.72	19.78			
Channel				42100	42000	42060	Time-up limit (min)	MFR (dB)	
Frequency (MHz)									
10	QPSK	0	0	22.90	22.81	22.74	23.5	0	
10	QPSK	1	25	22.85	22.80	22.72			
10	QPSK	49	49	22.98	22.94	22.92			
10	QPSK	25	0	21.94	21.88	21.79	22.5	1	
10	QPSK	25	12	21.86	21.78	21.72			
10	QPSK	25	25	21.98	21.99	21.92			
10	QPSK	50	0	21.88	21.85	21.74	22.5	1	
10	HCQAM	1	25	21.97	21.89	21.78			
10	HCQAM	1	25	21.92	21.89	21.78			
10	HCQAM	1	49	21.91	21.82	21.76	21.5	2	
10	HCQAM	25	0	20.90	20.89	20.82			
10	HCQAM	25	12	20.89	20.83	20.74			
10	HCQAM	25	25	20.77	20.74	20.74	21.5	2	
10	HCQAM	50	0	20.78	20.78	20.77			
10	HCQAM	1	0	20.99	20.98	20.98	21.5	2	
10	HCQAM	25	0	20.11	20.10	20.03			
10	HCQAM	1	49	20.51	20.42	20.36			
10	HCQAM	25	0	19.93	19.88	19.88	20.5	3	
10	HCQAM	25	12	19.84	19.75	19.87			
10	HCQAM	25	25	19.86	19.79	19.86			
10	HCQAM	50	0	19.95	19.84	19.88			
Channel				42115	42000	42065	Time-up limit (min)	MFR (dB)	
Frequency (MHz)									
5	QPSK	0	0	22.73	22.66	22.53	23.5	0	
5	QPSK	1	12	22.87	22.93	22.72			
5	QPSK	24	24	22.80	22.88	22.72			
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	21.53	21.50	21.41			
5	QPSK	25	0	21.87	21.99	21.91	22.5	1	
5	HCQAM	1	0	21.94	21.97	21.91			
5	HCQAM	1	12	22.93	21.94	21.91			
5	HCQAM	1	24	21.80	21.73	21.60	21.5	2	
5	HCQAM	1	25	20.95	20.77	20.60			
5	HCQAM	12	7	20.92	20.82	20.70			
5	HCQAM	19	19	20.97	20.77	20.60	21.5	2	
5	HCQAM	25	0	20.89	20.75	20.71			
5	HCQAM	1	0	20.95	20.94	20.42	21.5	2	
5	HCQAM	1	24	20.49	20.53	20.36			
5	HCQAM	19	19	19.95	19.75	19.75			
5	HCQAM	12	7	19.92	19.77	19.78	20.5	3	
5	HCQAM	12	19	19.88	19.72	19.68			
5	HCQAM	25	0	19.95	19.71	19.68			

Band 41_Ant 0											
Port	Modulation	RB Size	RB Offset	Low Pwr Tx Power	Low Pwr Tx Power	High Pwr Tx Power	Power Spectrum	Time slot (ms)	MPR	CP	
Frequency Range											
20	QPSK	1	0	23.96	23.96	24.03	41.86				
20	QPSK	1	66	24.04	24.04	24.11	41.86				
20	QPSK	50	0	24.02	24.02	24.03	41.86	24.0	0		
20	QPSK	50	66	24.04	24.04	24.05	41.86	24.0	1		
20	QPSK	50	50	24.01	24.06	24.03	41.86	24.0	1		
20	QPSK	100	0	24.04	24.06	24.01	41.86				
20	16QAM	1	66	24.05	24.05	24.03	41.86	24.0	1		
20	16QAM	50	0	24.02	24.03	24.06	41.86				
20	16QAM	50	66	24.04	24.03	24.02	41.86				
20	16QAM	50	50	24.02	24.03	24.02	41.86	24.0	2		
20	16QAM	100	0	24.03	24.06	24.01	41.86				
20	16QAM	100	66	24.05	24.03	24.02	41.86				
20	16QAM	1	66	24.06	24.04	24.02	41.86	24.0	2		
20	16QAM	1	99	24.03	24.03	24.04	41.86				
20	16QAM	50	24	24.04	24.06	24.13	41.86	24.0	3		
20	16QAM	50	66	24.02	24.03	24.13	41.86	24.0	3		
20	16QAM	50	0	24.02	24.03	24.10	41.86				
Channel											
20	Frequency Range	1	0	42.03	42.03	42.03	141.86	Time slot (ms)	MPR	CP	
15	QPSK	1	0	23.95	23.95	23.75	41.85				
15	QPSK	1	67	24.04	24.04	24.01	41.72				
15	QPSK	50	0	24.02	24.02	24.03	41.85	24.0	0		
15	QPSK	50	67	24.01	24.04	24.01	41.72				
15	QPSK	50	50	24.04	24.03	24.04	41.85	24.0	1		
15	QPSK	50	99	24.03	24.04	24.08	41.74				
15	QPSK	75	0	23.97	23.94	23.88	41.74				
15	16QAM	1	67	24.07	24.04	24.00	41.75	24.0	1		
15	16QAM	50	0	24.03	24.03	24.03	41.75				
15	16QAM	50	67	24.03	24.03	24.03	41.75				
15	16QAM	50	99	24.04	24.08	24.04	41.72	24.0	2		
15	16QAM	75	0	24.00	24.01	24.04	41.75				
15	16QAM	75	67	24.03	24.03	24.03	41.75	24.0	2		
15	16QAM	75	50	24.08	24.03	24.06	41.75				
15	16QAM	1	97	24.08	24.03	24.06	41.76	24.0	2		
15	16QAM	1	74	24.06	24.03	24.07	41.66				
15	16QAM	50	24	24.03	24.03	24.03	41.75	24.0	3		
15	16QAM	50	66	24.00	24.07	24.04	41.76				
15	16QAM	50	99	24.03	24.03	24.03	41.76	24.0	3		
15	16QAM	75	0	24.06	24.05	24.03	41.71				
15	16QAM	75	66	24.04	24.05	24.01	41.71	Time slot (ms)	MPR	CP	
Frequency Range											
10	QPSK	1	0	23.94	23.92	23.83	41.87				
10	QPSK	1	25	24.04	24.05	24.00	41.69				
10	QPSK	50	0	24.02	24.02	24.03	41.87	24.0	0		
10	QPSK	50	25	24.06	24.04	24.01	41.69				
10	QPSK	50	50	24.04	24.06	24.02	41.87	24.0	1		
10	QPSK	100	0	24.04	24.06	24.01	41.87				
10	16QAM	1	25	24.03	24.04	24.04	41.69	24.0	1		
10	16QAM	50	0	24.02	24.02	24.03	41.87				
10	16QAM	50	25	24.06	24.04	24.01	41.69				
10	16QAM	50	50	24.04	24.06	24.02	41.87	24.0	1		
10	16QAM	100	0	24.04	24.06	24.01	41.87				
10	16QAM	100	25	24.06	24.04	24.01	41.69				
10	16QAM	1	25	24.03	24.04	24.04	41.69	24.0	2		
10	16QAM	1	50	24.06	24.04	24.01	41.69				
10	16QAM	50	0	24.02	24.02	24.03	41.87	24.0	2		
10	16QAM	50	25	24.06	24.04	24.01	41.69				
10	16QAM	50	50	24.04	24.06	24.02	41.87	24.0	3		
10	16QAM	100	0	24.04	24.06	24.01	41.87				
10	16QAM	100	25	24.06	24.04	24.01	41.69	24.0	3		
10	16QAM	1	50	24.06	24.04	24.01	41.69				
10	16QAM	1	75	24.06	24.04	24.01	41.69				
10	16QAM	1	99	24.03	24.03	24.04	41.87				
10	16QAM	50	24	24.04	24.06	24.13	41.87	24.0	3		
10	16QAM	50	66	24.02	24.03	24.13	41.87	24.0	3		
10	16QAM	50	0	24.02	24.03	24.10	41.87				
Channel											
10	Frequency Range	1	0	42.03	42.03	42.03	141.86	Time slot (ms)	MPR	CP	
5	QPSK	1	0	23.95	23.96	23.83	41.84				
5	QPSK	1	12	24.07	24.02	24.07	41.71				
5	QPSK	50	0	24.02	24.02	24.03	41.84	24.0	0		
5	QPSK	50	12	24.02	24.03	24.04	41.82				
5	QPSK	50	12	24.02	24.03	24.04	41.82				
5	QPSK	50	50	24.03	24.04	24.07	41.84	24.0	1		
5	QPSK	25	0	24.03	24.03	24.03	41.84				
5	QPSK	25	50	24.04	24.03	24.03	41.84				
5	16QAM	1	12	24.06	24.04	24.02	41.81	24.0	1		
5	16QAM	50	0	24.02	24.03	24.03	41.84				
5	16QAM	50	12	24.02	24.03	24.03	41.84				
5	16QAM	50	50	24.03	24.04	24.07	41.84	24.0	2		
5	16QAM	25	0	24.03	24.03	24.03	41.84				
5	16QAM	25	50	24.04	24.03	24.03	41.84				
5	16QAM	1	12	24.06	24.04	24.02	41.81	24.0	2		
5	16QAM	1	37	24.06	24.04	24.02	41.81				
5	16QAM	1	62	24.06	24.04	24.02	41.81				
5	16QAM	1	87	24.06	24.04	24.02	41.81	24.0	2		
5	16QAM	1	99	24.03	24.03	24.04	41.84				
5	16QAM	50	24	24.04	24.06	24.13	41.84	24.0	3		
5	16QAM	50	62	24.02	24.03	24.13	41.84	24.0	3		
5	16QAM	50	0	24.02	24.03	24.10	41.84				
5	16QAM	12	7	24.06	24.06	24.06	41.84	24.0	3		

Reduced Power Mode for EC16

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 per slot (ms)	MPR (dB)		
Channel 1 (Frequency Range)											
20	QPSK	1	0	24.83	24.86	24.83	24.72	25.0	0		
20	QPSK	1	40	24.85	24.88	24.85	24.72				
20	QPSK	50	0	24.85	24.88	24.85	24.67				
20	QPSK	50	40	24.84	24.88	24.84	24.67				
20	QPSK	100	0	24.87	24.93	24.85	24.64	24.5	1		
20	QPSK	100	40	24.88	24.93	24.88	24.64				
20	QPSK	50	0	24.88	24.93	24.87	24.64				
20	QPSK	50	40	24.88	24.93	24.87	24.64				
20	QPSK	100	0	24.92	25.04	24.93	24.81	23.0	2		
20	QPSK	100	40	24.92	25.04	24.93	24.81				
20	QPSK	50	0	24.92	25.04	24.93	24.81				
20	QPSK	50	40	24.92	25.04	24.93	24.81				
20	QPSK	1	40	23.53	23.54	23.60	23.23	23.0	2		
20	QPSK	1	96	23.50	23.57	23.60	23.23				
20	QPSK	50	0	23.53	23.58	23.60	23.23				
20	QPSK	50	40	23.53	23.58	23.60	23.23				
20	QPSK	100	0	23.54	23.62	23.61	23.28	22.0	3		
20	QPSK	100	40	23.54	23.62	23.61	23.28				
20	QPSK	50	0	23.54	23.62	23.61	23.28				
20	QPSK	50	40	23.54	23.62	23.61	23.28				
Channel 2 (Frequency Range)											
15	QPSK	1	0	24.81	24.88	24.76	24.58	25.0	0		
15	QPSK	1	37	24.78	24.80	24.80	24.67				
15	QPSK	36	0	24.81	24.83	24.84	24.71				
15	QPSK	36	40	24.81	24.83	24.84	24.71				
15	QPSK	36	0	24.83	24.86	24.83	24.64	24.5	1		
15	QPSK	36	40	24.83	24.86	24.83	24.64				
15	QPSK	72	0	24.86	24.92	24.83	24.58				
15	QPSK	72	40	24.86	24.92	24.83	24.58				
15	QPSK	36	0	23.38	23.40	23.43	23.23	23.0	2		
15	QPSK	36	40	23.31	23.33	23.40	23.23				
15	QPSK	72	0	23.38	23.40	23.38	23.17				
15	QPSK	72	40	23.38	23.40	23.38	23.17				
15	QPSK	36	0	23.39	23.42	23.39	23.21	23.0	2		
15	QPSK	36	40	23.39	23.42	23.39	23.21				
15	QPSK	72	0	23.39	23.42	23.39	23.21				
15	QPSK	72	40	23.39	23.42	23.39	23.21				
15	QPSK	36	0	23.42	23.48	23.42	23.28	22.0	3		
15	QPSK	36	40	23.42	23.48	23.42	23.28				
15	QPSK	72	0	23.42	23.48	23.42	23.28				
15	QPSK	72	40	23.42	23.48	23.42	23.28				
Channel 3 (Frequency Range)											
10	QPSK	1	0	24.83	24.84	24.84	24.80	25.0	0		
10	QPSK	1	25	24.79	24.80	24.84	24.53				
10	QPSK	24	0	24.83	24.84	24.84	24.53				
10	QPSK	24	0	24.83	24.84	24.84	24.53				
10	QPSK	24	0	24.85	24.86	24.86	24.54	24.5	1		
10	QPSK	24	40	24.86	24.88	24.86	24.54				
10	QPSK	50	0	24.86	24.89	24.86	24.59				
10	QPSK	50	40	24.88	24.90	24.88	24.59				
10	QPSK	100	0	24.90	24.94	24.90	24.59	24.0	1		
10	QPSK	100	40	24.91	24.95	24.91	24.59				
10	QPSK	50	0	24.90	24.93	24.90	24.59				
10	QPSK	50	40	24.90	24.93	24.90	24.59				
10	QPSK	24	0	23.36	23.37	23.53	23.22	23.0	1		
10	QPSK	24	40	23.36	23.37	23.53	23.22				
10	QPSK	50	0	23.36	23.37	23.53	23.22				
10	QPSK	50	40	23.36	23.37	23.53	23.22				
10	QPSK	24	0	23.37	23.38	23.52	23.29	23.0	2		
10	QPSK	24	40	23.37	23.38	23.52	23.29				
10	QPSK	50	0	23.37	23.38	23.52	23.29				
10	QPSK	50	40	23.37	23.38	23.52	23.29				
10	QPSK	24	0	23.39	23.43	23.39	23.34	23.0	2		
10	QPSK	24	40	23.39	23.43	23.39	23.34				
10	QPSK	50	0	23.39	23.43	23.39	23.34				
10	QPSK	50	40	23.39	23.43	23.39	23.34				
10	QPSK	1	25	23.31	23.32	24.08	23.13	23.0	2		
10	QPSK	1	96	23.31	23.32	24.08	23.13				
10	QPSK	50	0	23.31	23.32	24.08	23.13				
10	QPSK	50	40	23.31	23.32	24.08	23.13				
10	QPSK	1	40	23.33	23.38	24.43	23.09	23.0	2		
10	QPSK	1	96	23.33	23.38	24.43	23.09				
10	QPSK	50	0	23.33	23.38	24.43	23.09				
10	QPSK	50	40	23.33	23.38	24.43	23.09				
10	QPSK	24	12	21.81	21.92	21.88	21.81	22.0	3		
10	QPSK	24	12	21.81	21.92	21.88	21.81				
10	QPSK	24	12	21.81	21.92	21.88	21.81				
10	QPSK	24	12	21.81	21.92	21.88	21.81				
Channel 4 (Frequency Range)											
5	QPSK	1	0	24.85	24.85	24.85	24.53	25.0	0		
5	QPSK	1	12	24.75	24.80	24.83	24.53				
5	QPSK	24	0	24.85	24.85	24.85	24.53				
5	QPSK	12	0	24.44	24.44	24.41	24.36				
5	QPSK	12	0	24.47	24.52	24.48	24.36	24.5	1		
5	QPSK	12	40	24.47	24.52	24.48	24.36				
5	QPSK	24	0	24.47	24.52	24.48	24.36				
5	QPSK	24	40	24.47	24.52	24.48	24.36				
5	QPSK	12	0	24.48	24.48	24.45	24.36	24.0	1		
5	QPSK	12	40	24.48	24.48	24.45	24.36				
5	QPSK	24	0	24.48	24.48	24.45	24.36				
5	QPSK	24	40	24.48	24.48	24.45	24.36				
5	QPSK	12	7	23.38	23.31	24.48	23.16	23.0	2		
5	QPSK	12	13	23.38	23.31	24.48	23.16				
5	QPSK	24	0	23.38	23.43	23.33	23.16				
5	QPSK	24	0	23.37	23.42	23.32	23.12				
5	QPSK	12	12	23.31	23.32	24.48	23.12	23.0	2		
5	QPSK	12	18	23.31	23.32	24.48	23.12				
5	QPSK	24	0	23.37	23.43	23.33	23.09				
5	QPSK	24	0	23.37	23.43	23.33	23.09				
5	QPSK	12	7	21.84	21.83	21.88	21.72	22.0	3		
5	QPSK	12	13	21.84	21.82	21.88	21.72				
5	QPSK	24	0	21.82	21.82	21.88	21.72				
5	QPSK	24	0	21.82	21.82	21.88	21.72				

[illegible]

Band 41 (HPUE)_Ant 1											Tx Power (dBm)	MFR (dB)
SRV (MHz)	Modulation	RB Size	SRV Offset	Low Freq. (MHz)	Power Freq. (MHz)	High Freq. (MHz)	Power Freq. (MHz)					
Channel												
Frequency Range (MHz)												
20	QPSK	1	0	20.83	20.92	21.08	21.15					
20	QPSK	1	40	21.02	21.07	21.11	21.16		21.0	0		
20	QPSK	50	0	21.02	21.03	21.28	21.31					
20	QPSK	50	40	21.02	21.03	21.28	21.31		21.0	0		
20	QPSK	50	80	20.98	20.95	21.11	21.10					
20	QPSK	100	0	20.83	20.92	21.13	21.09					
20	QPSK	100	40	21.02	21.02	21.08	21.15		21.0	0		
20	WSDM	1	40	21.01	21.13	21.19	21.21		21.0	0		
20	WSDM	1	80	21.01	21.13	21.19	21.21		21.0	0		
20	WSDM	50	0	20.78	20.89	21.10	21.22					
20	WSDM	50	40	20.83	20.92	21.18	21.16					
20	WSDM	50	80	20.98	20.95	21.08	21.04		21.0	0		
20	WSDM	100	0	20.79	20.83	21.16	21.16					
20	WSDM	100	40	20.98	20.95	21.08	21.04		21.0	0		
20	WSDM	1	40	20.81	20.95	21.14	21.08					
20	WSDM	1	80	20.98	20.98	21.19	21.02		21.0	0		
20	WSDM	50	0	20.79	20.79	21.05	21.05					
20	WSDM	50	24	20.73	20.85	21.08	21.08					
20	WSDM	50	48	20.73	20.85	21.08	21.08					
20	WSDM	100	0	20.72	20.83	21.07	21.05					
Channel											40.15	40.05
Frequency Range (MHz)											40.15	40.05
15	QPSK	1	0	20.98	20.73	20.95	20.98					
15	QPSK	1	37	20.85	20.91	21.08	21.14		21.0	0		
15	QPSK	38	0	20.70	20.77	21.04	21.15					
15	QPSK	38	37	20.85	20.91	21.08	21.14		21.0	0		
15	QPSK	38	75	20.72	20.81	20.98	20.92					
15	QPSK	75	0	20.70	20.79	20.95	20.95					
15	WSDM	1	37	20.85	20.94	21.00	21.03		21.0	0		
15	WSDM	1	75	20.85	20.94	21.00	21.03		21.0	0		
15	WSDM	38	0	20.73	20.88	20.98	21.01					
15	WSDM	38	37	20.85	20.94	21.04	20.91					
15	WSDM	38	75	20.72	20.77	21.10	21.02					
15	WSDM	75	0	20.60	20.79	21.01	21.02					
15	WSDM	75	37	20.85	20.94	21.03	21.06					
15	WSDM	1	37	20.83	20.92	20.91	20.97					
15	WSDM	1	75	20.80	20.78	21.05	20.98					
15	WSDM	38	0	20.71	20.81	20.95	20.95					
15	WSDM	38	37	20.85	20.74	20.87	20.80					
15	WSDM	38	75	20.74	20.73	20.9	20.89					
Channel											40.55	40.50
Frequency Range (MHz)											40.55	40.50
10	QPSK	1	0	20.92	20.87	20.93	21.02					
10	QPSK	1	25	20.87	20.93	21.03	21.09		21.0	0		
10	QPSK	1	50	20.87	20.93	21.03	21.09		21.0	0		
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	20.85	20.81	20.91	20.98					
10	QPSK	50	0	20.98	20.68	20.89	20.92					
10	QPSK	50	25	20.98	20.68	20.89	20.92					
10	WSDM	1	25	20.78	21.00	21.00	20.99		21.0	0		
10	WSDM	1	50	20.78	21.00	21.00	20.99		21.0	0		
10	WSDM	25	0	20.68	20.71	21.08	20.96					
10	WSDM	25	12	20.63	20.79	21.09	20.95					
10	WSDM	25	37	20.63	20.79	21.09	20.95					
10	WSDM	50	0	20.67	20.81	21.05	20.95					
10	WSDM	50	25	20.67	20.81	21.05	20.95					
10	WSDM	1	25	20.57	20.74	21.02	20.88		21.0	0		
10	WSDM	1	49	20.57	20.88	21.08	20.81					
10	WSDM	1	73	20.57	20.87	21.07	20.81					
10	WSDM	25	12	20.61	20.66	20.84	20.94					
10	WSDM	25	37	20.61	20.66	20.84	20.94					
10	WSDM	50	0	20.47	20.53	20.92	20.94					
Channel											40.65	40.65
Frequency Range (MHz)											40.65	40.65
5	QPSK	1	0	20.88	20.78	20.98	21.03					
5	QPSK	1	12	20.91	20.97	21.03	21.03		21.0	0		
5	QPSK	1	25	20.91	20.97	21.03	21.03		21.0	0		
5	QPSK	12	0	20.87	20.84	21.16	21.12					
5	QPSK	12	13	20.88	20.79	20.95	20.85					
5	QPSK	25	0	20.72	20.70	20.97	20.99					
5	QPSK	25	12	20.72	20.70	20.97	20.99					
5	WSDM	1	12	20.88	20.97	20.95	21.01		21.0	0		
5	WSDM	1	25	20.88	20.93	20.98	21.06					
5	WSDM	12	0	20.82	20.83	20.98	21.06					
5	WSDM	12	7	20.82	20.87	21.04	20.98					
5	WSDM	12	13	20.82	20.87	21.04	20.98					
5	WSDM	25	0	20.74	20.80	20.91	20.94					
5	WSDM	1	0	20.78	20.76	20.91	20.91					
5	WSDM	1	25	20.78	20.76	20.91	20.91					
5	WSDM	1	24	20.93	20.74	20.93	20.78					
5	WSDM	12	0	20.82	20.83	20.98	21.06					
5	WSDM	12	7	20.82	20.87	20.95	20.92					
5	WSDM	12	13	20.82	20.89	20.87	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]	MPK [dB]		
Channel				40560	40560	40770	41160	2945				
Frequency [MHz]												
20	QPSK	1	0	23.59	23.54	23.54	23.58		24.1	0		
20	QPSK	1	49	23.57	23.57	23.58	23.58					
20	QPSK	56	0	22.73	22.76	22.86	22.78					
20	QPSK	56	24	22.73	22.76	22.86	22.78					
20	QPSK	100	0	22.79	22.78	22.88	22.78		23.1	1		
20	QPSK	100	24	22.79	22.78	22.88	22.78					
20	QPSK	1	49	22.71	22.75	22.75	22.75					
20	QPSK	56	0	21.47	21.53	21.59	21.59					
20	QPSK	56	24	21.51	21.57	21.59	21.57		22.1	2		
20	QPSK	100	0	21.58	21.58	21.59	21.54					
20	QPSK	100	24	21.58	21.58	21.59	21.54					
20	QPSK	1	0	21.38	21.39	21.49	21.43					
20	QPSK	1	49	21.45	21.53	21.59	21.53		21.1	3		
20	QPSK	56	0	20.24	20.26	20.35	20.26					
20	QPSK	56	24	20.24	20.26	20.35	20.26					
20	QPSK	56	50	20.22	20.29	20.37	20.29					
Channel				40215	40460	40760	41160	Turn-up [dBm]	MPK [dB]			
Frequency [MHz]				40215	40460	40760	41160	2945	24.1	0		
18	QPSK	1	0	22.93	22.93	23.04	23.08		23.1	1		
18	QPSK	1	37	22.97	23.18	23.24	23.11					
18	QPSK	1	74	23.08	23.08	23.08	23.08					
18	QPSK	36	0	22.61	22.75	22.69	22.71					
18	QPSK	36	20	22.54	22.54	22.62	22.62		22.1	1		
18	QPSK	36	36	22.48	22.55	22.57	22.48					
18	QPSK	75	0	22.49	22.62	22.69	22.59					
18	QPSK	1	37	22.54	22.63	22.74	22.59					
18	QPSK	1	74	22.54	22.73	22.71	22.48		23.1	1		
18	QPSK	36	0	21.52	21.57	21.60	21.56					
18	QPSK	36	20	21.54	21.61	21.69	21.59					
18	QPSK	36	36	21.58	21.58	21.63	21.55					
18	QPSK	75	0	21.58	21.58	21.63	21.55		22.1	2		
18	QPSK	1	0	21.18	21.27	21.32	21.31					
18	QPSK	1	37	21.52	21.41	21.44	21.50					
18	QPSK	1	74	21.21	21.38	21.39	21.21					
18	QPSK	36	0	20.02	20.16	20.16	19.99		21.1	3		
18	QPSK	36	20	20.02	20.13	20.11	20.11					
18	QPSK	75	0	20.02	20.13	20.11	20.11					
Channel				40160	40460	40760	41160	Turn-up [dBm]			MPK [dB]	
Frequency [MHz]				40160	40460	40760	41160	2945	24.1	0		
16	QPSK	1	0	22.24	22.29	22.34	22.26		23.1	1		
16	QPSK	1	20	22.27	22.33	22.27	22.27					
16	QPSK	1	40	22.34	22.42	22.42	22.32					
16	QPSK	24	0	22.44	22.42	22.42	22.32					
16	QPSK	25	12	22.45	22.62	22.65	22.65		22.1	1		
16	QPSK	24	24	22.51	22.68	22.67	22.52					
16	QPSK	50	0	22.58	22.60	22.67	22.62					
16	QPSK	1	0	22.52	22.56	22.56	22.56					
16	QPSK	1	20	22.52	22.75	22.71	22.52		23.1	1		
16	QPSK	1	40	22.51	22.74	22.75	22.46					
16	QPSK	24	0	21.47	21.50	21.57	21.54					
16	QPSK	25	12	21.47	21.57	21.74	21.64					
16	QPSK	25	26	21.58	21.57	21.71	21.58		22.1	2		
16	QPSK	50	0	21.57	21.68	21.70	21.60					
16	QPSK	1	0	21.20	21.27	21.34	21.22					
16	QPSK	1	20	21.31	21.38	21.38	21.38					
16	QPSK	1	40	21.20	21.30	21.43	21.28		21.1	3		
16	QPSK	24	0	19.98	20.08	20.07	19.98					
16	QPSK	25	12	20.08	20.11	20.20	20.09					
16	QPSK	25	26	20.08	20.12	20.13	19.98					
16	QPSK	50	0	20.04	20.09	20.19	20.09		21.1	3		
Channel				40165	40465	40805	41215	Turn-up [dBm]			MPK [dB]	
Frequency [MHz]				40165	40465	40805	41215	2945			24.1	0
5	QPSK	1	0	22.93	22.93	23.03	23.03				23.1	1
5	QPSK	1	12	23.00	23.10	23.20	23.09					
5	QPSK	1	24	23.01	23.07	23.21	23.08					
5	QPSK	12	0	22.59	22.62	22.75	22.69					
5	QPSK	12	7	22.47	22.58	22.68	22.56		22.1	2		
5	QPSK	12	13	22.57	22.62	22.73	22.54					
5	QPSK	24	0	22.58	22.60	22.74	22.59					
5	QPSK	1	12	22.59	22.68	22.64	22.61					
5	QPSK	1	24	22.52	22.77	22.78	22.46		21.1	3		
5	QPSK	12	0	21.47	21.50	21.62	21.50					
5	QPSK	12	7	21.59	21.57	21.69	21.69					
5	QPSK	12	13	21.68	21.70	21.71	21.68					
5	QPSK	24	0	21.49	21.63	21.69	21.59		22.1	2		
5	QPSK	1	0	21.18	21.20	21.32	21.24					
5	QPSK	1	12	21.20	21.32	21.44	21.34					
5	QPSK	1	24	21.19	21.33	21.37	21.26					
5	QPSK	12	0	19.98	20.04	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	20.09	20.17	20.07					
5	QPSK	24	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]	MPK [dB]
Channel				40260	40360	40770	41160	2945		
Frequency [MHz]										
20	QPSK	1	0	23.54	24.54	24.56	23.52		25.1	0
20	QPSK	1	49	24.15	24.21	24.23	24.13			
20	QPSK	99	0	24.15	24.17	24.26	24.20			
20	QPSK	56	0	23.55	23.55	23.56	23.56		24.1	1
20	QPSK	56	24	23.58	23.73	23.76	23.64			
20	QPSK	100	0	23.56	23.71	23.72	23.61			
20	QPSK	100	24	23.56	23.71	23.72	23.61		23.1	2
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	56	0	22.50	22.74	22.71	22.53		22.1	3
20	QPSK	56	24	22.56	22.71	22.81	22.76			
20	QPSK	100	0	22.55	22.76	22.71	22.56			
20	QPSK	100	24	22.55	22.76	22.71	22.56		21.1	2
20	QPSK	1	0	22.54	22.59	22.67	22.59			
20	QPSK	1	49	22.58	22.74	22.71	22.53			
20	QPSK	1	99	22.61	22.73	22.79	22.54		20.1	0
20	QPSK	56	0	21.38	21.48	21.54	21.32			
20	QPSK	56	24	21.16	21.35	21.32	21.10			
20	QPSK	56	50	21.17	21.23	21.31	21.15		20.1	3
20	QPSK	100	0	21.13	21.22	21.29	21.17			
Channel										
Frequency [MHz]				40215	40495	40785	41185	Turn-up [dBm]	MPK [dB]	
18	QPSK	1	0	23.11	23.11	23.11	23.11		25.1	0
18	QPSK	1	37	24.02	23.98	23.99	24.00			
18	QPSK	1	74	23.11	23.11	23.11	23.11			
18	QPSK	36	0	23.53	23.38	23.37	23.52		24.1	1
18	QPSK	36	20	23.51	23.59	23.52	23.50			
18	QPSK	36	36	23.50	23.56	23.48	23.47			
18	QPSK	75	0	23.53	23.47	23.57	23.49		24.1	1
18	QPSK	1	37	23.50	23.76	23.80	23.54			
18	QPSK	1	74	23.64	23.74	23.68	23.53			
18	QPSK	36	0	22.50	22.55	22.60	22.53		23.1	2
18	QPSK	36	20	22.44	22.58	22.62	22.59			
18	QPSK	36	36	22.51	22.56	22.56	22.56			
18	QPSK	75	0	22.39	22.30	22.38	22.49		22.1	3
18	QPSK	1	0	22.32	22.47	22.53	22.48			
18	QPSK	1	37	22.56	22.56	22.56	22.47			
18	QPSK	1	74	22.44	22.50	22.62	22.52		21.1	2
18	QPSK	36	0	20.98	20.97	21.04	21.11			
18	QPSK	36	20	21.00	21.08	21.07	21.06			
18	QPSK	36	36	20.95	21.10	21.15	20.98		20.1	3
18	QPSK	75	0	20.93	21.02	21.05	21.02			
Channel										
Frequency [MHz]				40160	40460	40760	41160	Turn-up [dBm]	MPK [dB]	
16	QPSK	1	0	23.	23.	23.	23.		25.1	0
16	QPSK	1	24	24.14	24.03	24.07	24.14			
16	QPSK	1	48	23.14	23.14	23.14	23.14			
16	QPSK	25	0	23.81	23.53	23.57	23.88		24.1	1
16	QPSK	25	24	23.81	23.53	23.57	23.88			
16	QPSK	25	24	23.53	23.58	23.57	23.41			
16	QPSK	50	0	23.43	23.63	23.48	23.36		23.1	2
16	QPSK	50	24	23.43	23.63	23.48	23.36			
16	QPSK	50	50	23.43	23.58	23.58	23.43			
16	QPSK	1	25	22.68	22.79	22.84	22.57		22.1	1
16	QPSK	1	50	22.68	22.79	22.84	22.57			
16	QPSK	1	75	22.44	22.51	22.60	22.57			
16	QPSK	25	12	22.53	22.48	22.63	22.55		21.1	2
16	QPSK	25	36	22.53	22.48	22.63	22.55			
16	QPSK	50	0	22.51	22.48	22.58	22.52			
16	QPSK	50	24	22.51	22.48	22.58	22.52		20.1	2
16	QPSK	50	48	22.51	22.48	22.58	22.52			
16	QPSK	1	49	22.58	22.54	22.67	22.49			
16	QPSK	1	99	22.58	22.59	22.62	22.49		20.1	3
16	QPSK	56	0	21.51	21.12	21.10	21.57			
16	QPSK	56	24	21.51	21.12	21.10	21.57			
16	QPSK	56	0	20.95	21.06	21.04	20.94		20.1	0
16	QPSK	100	0	20.95	21.06	21.04	20.94			
Channel										
Frequency [MHz]				40165	40465	40765	41175	Turn-up [dBm]	MPK [dB]	
5	QPSK	1	12	23.81	23.80	23.80	23.78		25.1	0
5	QPSK	1	24	23.81	23.80	23.80	23.78			
5	QPSK	1	36	23.81	23.80	23.80	23.78			
5	QPSK	25	0	23.83	23.84	23.84	23.83		24.1	1
5	QPSK	25	12	23.83	23.84	23.84	23.83			
5	QPSK	25	24	23.83	23.84	23.84	23.83			
5	QPSK	50	0	23.81	23.81	23.81	23.81		23.1	2
5	QPSK	50	12	23.81	23.81	23.81	23.81			
5	QPSK	50	24	23.81	23.81	23.81	23.81			
5	QPSK	100	0	23.81	23.81	23.81	23.81		22.1	3
5	QPSK	100	12	23.81	23.81	23.81	23.81			
5	QPSK	100	24	23.81	23.81	23.81	23.81			
5	QPSK	25	12	23.83	23.84	23.84	23.83		21.1	2
5	QPSK	25	24	23.83	23.84	23.84	23.83			
5	QPSK	50	0	22.42	22.47	22.51	22.46			
5	QPSK	1	12	23.50	23.73	23.73	23.83		20.1	1
5	QPSK	1	24	22.41	22.56	22.57	22.52			
5	QPSK	1	36	22.41	22.56	22.57	22.52			
5	QPSK	25	12	22.41	22.56	22.57	22.52		20.1	2
5	QPSK	25	24	22.41	22.56	22.57	22.52			
5	QPSK	50	0	22.41	22.56	22.57	22.52			
5	QPSK	1	24	22.37	22.43	22.41	22.34		20.1	3
5	QPSK	1	48	22.37	22.43	22.41	22.34			
5	QPSK	1	72	22.37	22.43	22.41	22.34			
5	QPSK	12	7	20.86	21.12	21.12	20.86		20.1	0
5	QPSK	12	19	20.87	20.99	21.12	20.86			
5	QPSK	12	31	20.87	20.99	21.12	20.86			

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 rate [dBm]	MFR [dB]	
Channel									
Frequency [MHz]									
42100 42100 42100									
3400 3400 3400									
20	QPSK	1	0	20.60	20.72	20.70	21.3	0	
20	QPSK	1	48	20.78	20.78	20.71			
20	QPSK	99	0	20.65	20.65	20.66			
20	QPSK	50	0	20.61	20.64	20.61	21.3	0	
20	QPSK	50	24	20.50	20.60	20.55			
20	QPSK	50	54	20.50	20.60	20.51			
20	QPSK	100	0	20.59	20.60	20.60	21.3	0	
20	SSBAM	1	0	20.59	20.60	20.60			
20	SSBAM	1	48	20.74	20.74	20.60			
20	SSBAM	1	99	20.61	20.61	20.59	21.3	0	
20	SSBAM	50	0	20.63	20.63	20.63			
20	SSBAM	50	24	20.58	20.60	20.61			
20	SSBAM	50	50	20.61	20.60	20.60	21.3	0	
20	SSBAM	100	0	20.59	20.60	20.61			
20	SSBAM	1	0	20.57	20.60	20.60	21.3	0	
20	SSBAM	1	48	20.50	20.61	20.53			
20	SSBAM	1	99	20.51	20.59	20.58			
20	SSBAM	50	0	20.59	20.59	20.61	21.3	0	
20	SSBAM	50	24	20.58	20.60	20.61			
20	SSBAM	50	50	20.57	20.59	20.57			
20	SSBAM	100	0	20.58	20.58	20.57	21.3	0	
Channel									
Frequency [MHz]									
42105 42100 42015									
3407.5 3400 3407.5									
15	QPSK	1	0	20.53	20.49	20.47	21.3	0	
15	QPSK	1	37	20.61	20.60	20.54			
15	QPSK	99	0	20.45	20.45	20.46			
15	QPSK	36	0	20.45	20.47	20.41	21.3	0	
15	QPSK	36	20	20.40	20.49	20.32			
15	QPSK	36	39	20.35	20.47	20.30			
15	QPSK	75	0	20.48	20.48	20.39	21.3	0	
15	SSBAM	1	0	20.48	20.48	20.48			
15	SSBAM	1	37	20.60	20.59	20.50			
15	SSBAM	1	74	20.40	20.39	20.35	21.3	0	
15	SSBAM	36	0	20.45	20.45	20.46			
15	SSBAM	36	20	20.42	20.48	20.48			
15	SSBAM	36	40	20.38	20.49	20.38	21.3	0	
15	SSBAM	75	0	20.38	20.39	20.36			
15	SSBAM	1	0	20.18	20.20	20.23	21.3	0	
15	SSBAM	1	37	20.19	20.19	20.20			
15	SSBAM	1	74	20.18	20.17	20.18			
15	SSBAM	36	0	20.44	20.47	20.48	21.3	0	
15	SSBAM	36	20	20.34	20.38	20.42			
15	SSBAM	36	39	20.30	20.40	20.44			
15	SSBAM	75	0	20.47	20.41	20.35	21.3	0	
Channel									
Frequency [MHz]									
42110 42100 42000									
3400 3400 3400									
10	QPSK	1	0	20.49	20.50	20.53	21.3	0	
10	QPSK	1	28	20.62	20.59	20.49			
10	QPSK	1	49	20.49	20.49	20.44			
10	QPSK	25	0	20.49	20.41	20.51	21.3	0	
10	QPSK	25	12	20.27	20.30	20.34			
10	QPSK	25	24	20.31	20.40	20.36			
10	QPSK	50	0	20.39	20.49	20.43	21.3	0	
10	SSBAM	1	0	20.39	20.49	20.49			
10	SSBAM	1	28	20.57	20.53	20.39			
10	SSBAM	1	49	20.44	20.40	20.34	21.3	0	
10	SSBAM	25	0	20.41	20.40	20.32			
10	SSBAM	25	12	20.41	20.38	20.41			
10	SSBAM	25	24	20.43	20.47	20.43	21.3	0	
10	SSBAM	50	0	20.38	20.30	20.30			
10	SSBAM	1	0	20.25	20.20	20.18	21.3	0	
10	SSBAM	1	28	20.38	20.30	20.30			
10	SSBAM	1	49	20.08	20.18	20.15			
10	SSBAM	25	0	20.48	20.47	20.48	21.3	0	
10	SSBAM	25	12	20.47	20.44	20.41			
10	SSBAM	25	24	20.43	20.41	20.41			
10	SSBAM	50	0	20.34	20.30	20.30	21.3	0	
Channel									
Frequency [MHz]									
42115 42100 42000									
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	0	20.46	20.42	20.49	21.3	0	
5	QPSK	12	7	20.39	20.42	20.33			
5	QPSK	25	0	20.41	20.43	20.44			
5	SSBAM	1	0	20.41	20.43	20.48	21.3	0	
5	SSBAM	1	12	20.51	20.60	20.48			
5	SSBAM	1	24	20.40	20.43	20.33			
5	SSBAM	12	7	20.30	20.38	20.43	21.3	0	
5	SSBAM	12	14	20.26	20.38	20.43			
5	SSBAM	25	0	20.44	20.39	20.39			
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	20.39	20.49	21.3	0	
5	SSBAM	12	14	20.42	20.36	20.41			
5	SSBAM	25	0	20.03	20.01	20.00			

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 rate [dBm]	MFR [dB]	
Channel									
Frequency [MHz]									
42100 42000 42000									
3400 3400 3400									
20	QPSK	1	0	19.23	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	19.00			
20	QPSK	50	0	19.24	19.24	19.00	19.4	0	
20	QPSK	50	24	19.20	19.23	19.18			
20	QPSK	50	54	19.20	19.18	19.18			
20	QPSK	100	0	19.11	19.15	19.13	19.4	0	
20	SSBAM	1	0	19.11	19.15	19.00			
20	SSBAM	1	48	19.20	19.20	19.21			
20	SSBAM	1	99	19.23	19.21	19.11	19.4	0	
20	SSBAM	50	0	19.20	19.27	19.20			
20	SSBAM	50	24	19.15	19.24	19.17			
20	SSBAM	50	50	19.21	19.20	19.00	19.4	0	
20	SSBAM	100	0	19.20	19.22	19.10			
20	SSBAM	1	0	19.11	19.09	18.99	19.4	0	
20	SSBAM	1	48	19.14	19.05	18.90			
20	SSBAM	1	99	19.06	18.99	18.81			
20	SSBAM	50	0	19.11	19.00	18.90	19.4	0	
20	SSBAM	50	24	19.10	19.20	19.10			
20	SSBAM	50	50	19.28	19.19	19.10			
20	SSBAM	100	0	19.31	19.22	19.10	19.4	0	
Channel				42105	42000	42015			MFR
Frequency [MHz]				3407.5	3400	3407.5			
15	QPSK	1	0	19.18	19.18	19.12	19.4	0	
15	QPSK	1	37	19.12	19.13	19.08			
15	QPSK	99	0	19.00	19.00	18.90			
15	QPSK	36	0	19.00	19.09	19.07	19.4	0	
15	QPSK	36	20	19.01	19.02	18.95			
15	QPSK	36	40	19.02	19.08	18.95			
15	QPSK	75	0	19.04	19.00	18.89	19.4	0	
15	SSBAM	1	0	19.04	19.00	18.89			
15	SSBAM	1	37	19.01	19.00	18.92			
15	SSBAM	1	74	18.94	18.78	18.69			
15	SSBAM	1	111	18.97	18.91	18.89			
15	SSBAM	36	20	19.18	19.03	18.98	19.4	0	
15	SSBAM	36	40	19.00	19.00	18.90			
15	SSBAM	75	0	19.08	19.12	19.00			
Channel				42110	42000	42010			MFR
Frequency [MHz]				3407.5	3400	3407.5			
5	QPSK	1	0	19.18	19.04	19.09	19.4	0	
5	QPSK	1	26	19.07	19.00	19.03			
5	QPSK	99	0	19.00	19.00	18.90			
5	QPSK	25	0	19.00	19.10	19.01	19.4	0	
5	QPSK	25	13	19.00	19.00	18.90			
5	QPSK	25	25	19.00	19.03	18.98			
5	QPSK	50	0	18.87	18.92	18.80	19.4	0	
5	QPSK	50	25	18.90	18.97	19.01			
5	QPSK	50	50	19.12	19.11	19.03			
5	SSBAM	25	12	19.17	19.10	19.00	19.4	0	
5	SSBAM	25	25	19.15	19.08	19.04			
5	SSBAM	50	0	19.13	19.10	19.01			
5	SSBAM	50	25	19.03	19.02	18.91	19.4	0	
5	SSBAM	1	0	19.03	18.84	18.71			
5	SSBAM	1	49	18.77	18.84	18.76			
5	SSBAM	1	99	19.11	19.02	19.00	19.4	0	
5	SSBAM	25	12	19.20	19.03	19.01			
5	SSBAM	25	25	19.07	19.01	19.01			
Channel				42115	42000	42015			MFR
Frequency [MHz]				3407.5	3400	3407.5			
5	QPSK	1	0	19.18	19.00	19.01	19.4	0	
5	QPSK	1	12	19.13	19.21	19.08			
5	QPSK	99	0	19.00	19.00	18.97			
5	QPSK	12	0	19.06	19.05	19.03	19.4	0	
5	QPSK	12	10	19.00	19.00	18.90			
5	QPSK	25	10	19.06	19.00	18.90			
5	SSBAM	1	0	19.06	19.00	18.90	19.4	0	
5	SSBAM	1	12	19.23	19.17	19.07			
5	SSBAM	1	24	19.00	19.00	18.90			
5	SSBAM	12	24	19.22	19.04	18.96	19.4	0	
5	SSBAM	12	7	19.19	19.12	18.94			
5	SSBAM	12	19	19.19	19.08	19.03			
5	SSBAM	25	0	19.15	19.08	18.96	19.4	0	
5	SSBAM	1	0	19.00	18.86	18.77			
5	SSBAM	1	23	18.86	18.86	18.86			
5	SSBAM	1	24	18.84	18.70	18.63	19.4	0	
5	SSBAM	12	7	19.15	19.02	18.98			
5	SSBAM	12	7	19.12	19.11	19.00			
5	SSBAM	12	13	19.04	19.07	19.01	19.4	0	
5	SSBAM	12	19	19.03	19.00	18.93			
5	SSBAM	12	7	19.12	19.11	19.00			

Part 27Q_Band 42_Ant 6									
Dist [MHz]	Modulation	RB Size	RB Offset	Power Lim Ch. [Freq]	Power Masks Ch. [Freq]	Power Type Ch. [Freq]	Turn-up rate [dBm]	MFR [dB]	
Channel				42 100	42 000	42 000			
Frequency [MHz]				3490	3500	3510			
20	QPSK	1	0	23.58	23.58	22.58	23.5	0	
20	QPSK	1	40	23.57	22.87	22.80			
20	QPSK	1	80	22.38	22.37	22.30			
20	QPSK	50	0	22.58	22.58	21.58	22.5	1	
20	QPSK	50	24	22.58	22.50	21.50			
20	QPSK	50	50	22.51	21.53	21.00			
20	QPSK	100	0	22.04	22.02	21.90	22.5	1	
20	QPSK	1	0	22.07	22.06	21.98			
20	QPSK	1	40	22.15	22.15	21.06			
20	QPSK	1	80	22.04	21.04	21.88	21.5	2	
20	QPSK	50	0	21.07	21.01	20.96			
20	QPSK	50	24	21.09	20.99	20.91			
20	QPSK	50	50	21.05	20.95	20.91	21.5	2	
20	QPSK	100	0	21.03	20.97	20.90			
20	QPSK	1	40	20.87	20.76	20.68	21.5	2	
20	QPSK	1	80	20.73	20.65	20.58			
20	QPSK	50	0	20.87	20.80	19.85			
20	QPSK	50	24	20.86	19.86	19.82	20.5	3	
20	QPSK	50	50	19.99	19.94	19.91			
20	QPSK	100	0	20.05	19.98	19.91			
Channel				42 101	42 000	42 015	Turn-up rate [dBm]	MFR [dB]	
Frequency [MHz]				3497.5	3500	3507.5			
10	QPSK	1	0	22.50	22.81	22.74	23.5	0	
10	QPSK	1	37	22.85	22.88	22.89			
10	QPSK	1	74	22.79	22.78	22.88			
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	21.08	21.70	21.68			
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	21.81	21.83			
10	QPSK	1	74	21.88	21.77	21.71	21.5	2	
10	QPSK	30	0	20.85	20.77	20.84			
10	QPSK	30	20	20.82	20.81	20.73			
10	QPSK	30	30	20.89	20.87	20.78	21.5	2	
10	QPSK	70	0	20.82	20.83	20.76			
10	QPSK	1	0	20.84	20.82	20.88	21.5	2	
10	QPSK	30	30	20.74	20.81	20.81			
10	QPSK	1	74	20.82	20.48	20.38			
10	QPSK	30	0	19.87	19.78	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	19.76			
Channel				42 140	42 000	42 000	Turn-up rate [dBm]	MFR [dB]	
Frequency [MHz]				357.5	350	350.5			
10	QPSK	1	0	22.50	22.81	22.74	23.5	0	
10	QPSK	1	20	22.80	22.80	22.72			
10	QPSK	1	40	22.88	22.84	22.88			
10	QPSK	20	0	21.04	21.08	21.79	22.5	1	
10	QPSK	20	12	21.88	21.78	21.71			
10	QPSK	20	20	21.08	21.09	21.72			
10	QPSK	50	0	21.49	21.40	21.79	22.5	1	
10	QPSK	1	0	21.57	21.48	21.81			
10	QPSK	1	20	21.09	21.09	21.76			
10	QPSK	1	40	21.01	21.82	21.74	21.5	2	
10	QPSK	20	0	20.90	20.89	20.82			
10	QPSK	20	12	20.89	20.83	20.74			
10	QPSK	20	20	20.77	20.74	20.73	21.5	2	
10	QPSK	50	0	20.78	20.78	20.77			
10	QPSK	1	20	20.71	20.55	20.53			
10	QPSK	1	40	20.81	20.42	20.30	20.5	3	
10	QPSK	20	0	19.83	19.88	19.76			
10	QPSK	20	12	19.84	19.79	19.87			
10	QPSK	20	20	19.88	19.79	19.88			
10	QPSK	50	0	19.80	19.84	19.88			
Channel				42 115	42 000	42 000	Turn-up rate [dBm]	MFR [dB]	
Frequency [MHz]				345.5	350	350.5			
5	QPSK	1	0	22.80	22.80	22.80	23.5	0	
5	QPSK	1	12	22.87	22.83	22.72			
5	QPSK	1	24	22.80	22.88	22.88			
5	QPSK	10	0	21.03	21.07	21.83	22.5	1	
5	QPSK	12	7	21.83	21.87	21.81			
5	QPSK	10	0	21.83	21.80	21.80			
5	QPSK	20	0	21.87	21.80	21.75	22.5	1	
5	QPSK	1	0	21.84	21.87	21.78			
5	QPSK	1	10	22.03	21.94	21.73			
5	QPSK	1	24	21.80	21.73	21.88	21.5	2	
5	QPSK	10	0	20.95	20.77	20.72			
5	QPSK	12	7	20.82	20.82	20.70			
5	QPSK	10	10	20.81	20.77	20.76	21.5	2	
5	QPSK	20	0	20.80	20.75	20.71			
5	QPSK	1	0	20.85	20.84	20.40	21.5	2	
5	QPSK	1	10	20.87	20.81	20.40			
5	QPSK	1	24	20.40	20.53	20.35			
5	QPSK	10	0	19.88	19.70	19.76	20.5	3	
5	QPSK	10	7	19.82	19.77	19.78			
5	QPSK	12	13	19.88	19.72	19.88			

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 Main Ch. [Freq.]	Power High Ch. [Freq.]	Power Peak Ch. [Freq.]	Turn-up time [ms]	APR3 [dB]		
Channel												
Frequency [MHz]				2555	2561	2568	2575	2585				
20	QPSK	1	0	23.58	23.58	24.00	23.88		24.8	0		
20	QPSK	1	48	24.00	24.00	24.12	23.78					
20	QPSK	50	0	23.55	23.55	23.65	23.45					
20	QPSK	50	24	23.55	23.55	23.65	23.45					
20	QPSK	50	50	23.61	23.58	23.63	23.37		23.8	1		
20	QPSK	100	0	23.51	23.51	23.61	23.41					
20	16QAM	1	0	23.53	23.54	23.59	23.44					
20	16QAM	50	0	23.49	23.53	23.58	23.45					
20	16QAM	50	24	23.53	23.55	23.63	23.42		22.8	2		
20	16QAM	50	50	23.60	23.59	23.63	23.37					
20	16QAM	100	0	23.55	23.56	23.61	23.41					
20	16QAM	100	50	23.57	23.57	23.61	23.35					
20	16QAM	1	0	23.49	23.54	23.60	23.40		22.8	2		
20	16QAM	1	99	23.53	23.53	23.60	23.38					
20	16QAM	50	1	23.50	23.50	23.58	23.37					
20	16QAM	50	24	23.54	23.56	23.63	23.39					
20	16QAM	50	50	23.61	23.60	23.63	23.37		21.8	3		
20	16QAM	100	0	23.52	23.53	23.59	23.40					
20	16QAM	100	50	23.54	23.55	23.60	23.38					
Channel												
Frequency [MHz]				2562.5	2568.5	2569.5	2567.5	2568.5	Turn-up time [ms]	APR3 [dB]		
15	QPSK	1	0	23.75	23.76	23.75	23.60		24.8	0		
15	QPSK	1	39	23.81	23.81	24.01	23.71					
15	QPSK	1	74	23.81	23.83	23.91	23.61					
15	QPSK	36	0	23.47	23.44	23.46	23.33					
15	QPSK	36	26	23.53	23.54	23.66	23.37		23.8	1		
15	QPSK	36	39	23.47	23.40	23.49	23.14					
15	QPSK	75	0	23.47	23.42	23.47	23.22					
15	16QAM	1	0	23.39	23.34	23.38	23.22					
15	16QAM	1	27	23.47	23.54	23.58	23.28		23.8	1		
15	16QAM	1	74	23.53	23.53	23.61	23.25					
15	16QAM	36	0	23.33	23.33	23.33	23.20					
15	16QAM	36	26	23.39	23.38	23.44	23.20					
15	16QAM	36	39	23.38	23.40	23.43	23.22		22.8	2		
15	16QAM	75	0	23.39	23.39	23.47	23.23					
15	16QAM	75	26	23.40	23.40	23.51	23.26					
15	16QAM	1	0	23.25	23.26	23.31	23.18					
15	16QAM	1	37	23.32	23.23	23.30	23.08		22.8	2		
15	16QAM	1	74	23.33	23.33	23.37	23.13					
15	16QAM	36	0	23.28	23.28	23.24	23.09					
15	16QAM	36	26	23.34	23.34	23.37	23.09					
15	16QAM	36	39	23.35	23.36	23.37	23.08		21.8	3		
15	16QAM	75	0	23.28	23.28	23.30	23.07					
15	16QAM	75	26	23.30	23.30	23.40	23.15					
Channel												
Frequency [MHz]				2562.5	2568.5	2569.5	2567.5	2568.5	Turn-up time [ms]	APR3 [dB]		
10	QPSK	1	0	23.64	23.72	23.63	23.67		24.8	0		
10	QPSK	1	26	23.84	23.82	24.00	23.69					
10	QPSK	1	48	23.82	23.82	23.99	23.61					
10	QPSK	25	0	23.67	23.67	23.74	23.58					
10	QPSK	25	13	23.77	23.46	23.46	23.58		23.8	1		
10	QPSK	25	25	23.40	23.48	23.42	23.13					
10	QPSK	50	0	23.43	23.44	23.44	23.21					
10	16QAM	1	0	23.42	23.42	23.39	23.20					
10	16QAM	1	26	24.04	24.04	24.03	23.41		24.8	0		
10	16QAM	1	48	24.07	24.08	24.12	24.07					
10	16QAM	1	26	24.73	24.68	24.70	24.47					
10	16QAM	25	0	24.31	24.31	24.32	24.20					
10	16QAM	25	13	24.44	24.32	24.31	24.20		23.8	1		
10	16QAM	25	25	24.40	24.35	24.42	24.09					
10	16QAM	50	0	24.44	24.44	24.43	24.20					
10	16QAM	50	26	24.49	24.49	24.49	24.21					
10	16QAM	1	0	24.32	24.31	24.38	24.22		24.8	1		
10	16QAM	1	26	24.35	24.37	24.38	24.22					
10	16QAM	25	0	23.35	23.37	23.32	23.20					
10	16QAM	25	13	23.37	23.38	23.32	23.20					
10	16QAM	25	25	23.47	23.40	23.40	23.18		23.8	2		
10	16QAM	50	0	23.38	23.38	23.37	23.24					
10	16QAM	50	26	23.37	23.37	23.37	23.18					
10	16QAM	1	0	23.23	23.23	23.24	23.13					
10	16QAM	1	26	23.31	23.31	23.40	23.13		23.8	2		
10	16QAM	1	48	23.30	23.30	23.41	23.08					
10	16QAM	25	0	21.82	21.79	21.88	21.61					
10	16QAM	25	13	21.81	21.82	21.88	21.61					
10	16QAM	25	25	21.86	21.86	21.98	21.68		22.8	3		
10	16QAM	50	0	21.87	21.88	21.81	21.75					
Channel												
Frequency [MHz]				2567.5	2573.5	2571.5	2562.5	2562.5	Turn-up time [ms]	APR3 [dB]		
5	QPSK	1	0	23.73	23.82	23.63	23.64		24.8	0		
5	QPSK	1	12	23.87	23.82	23.87	23.71					
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		23.8	1		
5	QPSK	12	13	23.43	23.44	23.47	23.18					
5	QPSK	25	0	23.43	23.38	23.39	23.24					
5	16QAM	1	0	23.38	23.37	23.41	23.20					
5	16QAM	1	12	23.48	23.48	23.52	23.21		23.8	1		
5	16QAM	1	24	23.48	23.53	23.53	23.21					
5	16QAM	12	0	23.37	23.29	23.31	23.27					
5	16QAM	12	7	23.41	23.41	23.38	23.28					
5	16QAM	12	13	23.43	23.42	23.38	23.23		22.8	2		
5	16QAM	25	0	23.38	23.38	23.43	23.28					
5	16QAM	25	12	23.39	23.39	23.40	23.28					
5	16QAM	25	25	23.40	23.40	23.40	23.28					
5	16QAM	1	0	23.27	23.28	23.30	23.19		22.8	2		
5	16QAM	1	12	23.28	23.28	23.31	23.18					
5	16QAM	12	0	21.82	21.79	21.88	21.61					
5	16QAM	12	7	21.81	21.82	21.88	21.61					
5	16QAM	12	13	21.86	21.86	21.98	21.68		21.8	3		
5	16QAM	25	0	21.87	21.88	21.81	21.75					
Channel												

Band 41_Ant 4												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Mod Ch (Freq)	Power High Mod Ch (Freq)	Power Low Mod Ch (Freq)	Power High Mod Ch (Freq)	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					
20	QPSK	50	24	23.17	23.18	23.26	23.22		23.1	1		
20	QPSK	50	50	23.23	23.28	23.48	23.29					
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	1		
20	HQAM	1	99	22.71	22.58	22.58	22.71					
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	21.54	21.35		22.1	2		
20	BQAM	1	49	21.45	21.53	21.59	21.50					
20	BQAM	1	99	21.41	21.52	21.58	21.48					
20	BQAM	50	0	20.14	20.29	20.39	20.39		21.1	3		
20	BQAM	50	24	20.21	20.28	20.35	20.28					
20	BQAM	50	50	20.22	20.35	20.37	20.35					
20	BQAM	100	0	20.20	20.29	20.35	20.27		21.1			
Channel												
Frequency (MHz)				2652.5	2680.5	2693.5	2647.5					
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	22.98					
15	QPSK	36	0	22.81	22.78	22.88	22.81		23.1	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	78	0	22.43	22.62	22.63	22.43		23.1	1		
15	HQAM	1	0	22.48	22.59	22.69	22.69					
15	HQAM	1	27	22.48	22.59	22.69	22.48					
15	HQAM	1	74	22.54	22.53	22.61	22.48		22.1	2		
15	HQAM	36	0	21.52	21.57	21.65	21.56					
15	HQAM	36	24	21.54	21.61	21.69	21.51					
15	HQAM	36	39	21.81	21.88	21.89	21.81		22.1	2		
15	HQAM	78	0	21.58	21.68	21.69	21.58					
15	HQAM	0	0	21.18	21.27	21.35	21.18					
15	BQAM	1	37	21.22	21.41	21.44	21.22		22.1	2		
15	BQAM	1	74	21.21	21.38	21.39	21.21					
15	BQAM	36	0	19.98	19.99	20.09	20.17					
15	BQAM	36	24	20.02	20.02	20.02	20.02		21.1	3		
15	BQAM	36	39	20.02	20.11	20.15	19.98					
15	BQAM	78	0	20.02	20.13	20.11	20.11					
Channel												
Frequency (MHz)				2553	2581	2610	2636					
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	23.22	23.09					
10	QPSK	25	0	22.44	22.62	22.65	22.44		23.1	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					
10	QPSK	50	0	22.28	22.62	22.67	22.62		23.1	1		
10	HQAM	1	0	22.52	22.69	22.67	22.59					
10	HQAM	1	25	22.42	22.67	22.67	22.42					
10	HQAM	1	49	22.51	22.74	22.71	22.48		22.1	2		
10	HQAM	25	0	21.47	21.55	21.57	21.54					
10	HQAM	25	12	21.47	21.57	21.74	21.48					
10	HQAM	25	25	21.39	21.57	21.77	21.39		22.1	2		
10	HQAM	50	0	21.47	21.61	21.71	21.48					
10	BQAM	1	0	21.29	21.27	21.34	21.27					
10	BQAM	1	25	21.31	21.28	21.35	21.38		22.1	2		
10	BQAM	1	49	21.25	21.30	21.40	21.28					
10	BQAM	25	0	19.94	20.09	20.07	20.19					
10	BQAM	25	12	20.08	20.11	20.20	20.08		21.1	3		
10	BQAM	25	25	20.09	20.12	20.13	19.98					
10	BQAM	50	0	20.04	20.05	20.15	20.05					
Channel												
Frequency (MHz)				2647.5	2679.5	2611.50	2652.5					
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	22.68	22.68	22.48		23.1	1		
5	QPSK	12	7	22.47	22.68	22.68	22.48					
5	QPSK	12	13	22.57	22.62	22.73	22.54					
5	QPSK	25	0	22.58	22.60	22.74	22.50		23.1	1		
5	HQAM	1	0	22.48	22.52	22.59	22.49					
5	HQAM	1	19	22.58	22.68	22.64	22.41					
5	HQAM	1	24	22.52	22.77	22.78	22.48		22.1	2		
5	HQAM	12	0	21.47	21.58	21.62	21.45					
5	HQAM	12	7	21.50	21.57	21.66	21.46					
5	HQAM	12	13	21.60	21.70	21.71	21.60		21.1	3		
5	HQAM	25	0	21.48	21.62	21.68	21.48					
5	BQAM	1	0	21.18	21.20	21.30	21.24					
5	BQAM	1	12	21.25	21.32	21.44	21.34		22.1	2		
5	BQAM	1	24	21.19	21.30	21.37	21.26					
5	BQAM	12	0	19.98	20.09	20.10	20.12					
5	BQAM	12	7	20.01	20.01	20.11	20.01		21.1	3		
5	BQAM	12	13	20.05	20.05	20.11	20.05					
5	BQAM	25	0	20.01	20.13	20.15	20.02					

Band 41 (HPUE)_Ant 4												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Mod Ch (Freq)	Power High Mod Ch (Freq)	Power Low Mod Ch (Freq)	Power High Mod Ch (Freq)	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					
20	QPSK	1	46	23.33	24.11	24.23	23.93					
20	QPSK	1	90	24.13	24.17	24.38	24.03	25.1	0			
20	QPSK	50	0	23.16	23.16	23.31	23.16					
20	QPSK	50	24	23.16	23.17	23.35	23.16					
20	QPSK	50	50	23.73	23.74	23.73	23.61	24.1	1			
20	QPSK	100	0	23.65	23.71	23.71	23.61					
20</												

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	21.19				
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	20.89	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				
15	QPSK	1	36	21.08	21.12	20.98	21.8	0		
15	QPSK	1	74	20.94	20.98	20.95				
15	QPSK	36	0	20.96	20.98	20.98				
15	QPSK	36	20	20.93	21.00	20.93	21.8	0		
15	QPSK	36	36	20.92	20.91	20.91				
15	QPSK	74	0	20.92	20.98	20.94				
15	16QAM	1	0	21.01	21.08	21.03	21.8	0		
15	16QAM	1	36	21.09	21.11	21.07				
15	16QAM	1	74	21.00	20.98	20.98				
15	16QAM	36	0	20.89	20.91	20.89	21.8	0		
15	16QAM	36	20	20.94	20.95	20.95				
15	16QAM	36	36	20.91	20.94	20.98				
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				
10	QPSK	1	20	21.04	21.13	20.98	21.8	0		
10	QPSK	1	48	20.99	20.98	20.98				
10	QPSK	25	0	20.97	20.97	20.96				
10	QPSK	25	12	20.91	20.97	20.96	21.8	0		
10	QPSK	25	25	20.93	20.95	20.79				
10	QPSK	50	0	20.98	20.98	20.98				
10	16QAM	1	0	20.99	21.09	20.97	21.8	0		
10	16QAM	1	48	20.97	20.97	20.93				
10	16QAM	25	0	20.99	20.98	20.93				
10	16QAM	25	12	20.94	21.01	21.00	21.8	0		
10	16QAM	25	25	20.98	20.97	20.98				
10	16QAM	50	0	20.98	21.00	21.00				
10	16QAM	50	24	20.98	20.99	20.98	21.8	0		
10	16QAM	50	50	20.98	20.79	20.77				
10	16QAM	1	0	20.98	20.98	20.98				
10	16QAM	1	25	20.75	20.73	20.73	21.8	0		
10	16QAM	1	48	20.98	20.98	20.98				
10	16QAM	25	0	20.99	20.98	20.99				
10	16QAM	25	12	20.99	20.99	21.00	21.8	0		
10	16QAM	25	25	20.97	20.92	20.90				
10	16QAM	50	0	20.92	20.95	20.95				
Channel										
Frequency (MHz)										
5	QPSK	1	0	21.04	20.99	21.02				
5	QPSK	1	14	21.08	21.16	20.98	21.8	0		
5	QPSK	1	24	20.91	20.98	20.95				
5	QPSK	12	0	20.98	20.97	20.93				
5	QPSK	12	12	20.77	20.97	20.98	21.8	0		
5	QPSK	24	0	20.98	20.98	20.95				
5	16QAM	1	0	20.99	21.07	21.04				
5	16QAM	1	12	21.13	20.98	20.98	21.8	0		
5	16QAM	1	24	20.98	20.98	20.93				
5	16QAM	12	0	20.94	20.97	20.98				
5	16QAM	12	12	20.98	20.93	20.95	21.8	0		
5	16QAM	12	12	20.95	20.97	21.01				
5	16QAM	24	0	20.98	20.99	20.98				
5	16QAM	1	0	20.76	20.75	20.74	21.8	0		
5	16QAM	1	12	20.98	20.98	20.92				
5	16QAM	1	24	20.98	20.98	20.94				
5	16QAM	12	0	20.95	20.95	20.95	21.8	0		
5	16QAM	12	12	20.91	20.95	20.98				
5	16QAM	24	0	20.92	20.92	20.92				

Part 27Q_Band 42_Ant 5										
BW [MHz]	Modulation	RF Band	RF Offset	Power Ch 1 [Freq]	Power Ch 2 [Freq]	Power Ch 3 [Freq]	Turn-on time (secs)	MPE (dB)		
Frequency (MHz)										
20	QPSK	1	0	42.619	42.621	42.615	23.4	0		
20	QPSK	1	48	23.24	23.13	23.03				
20	QPSK	50	0	23.21	23.26	23.11				
20	QPSK	50	24	23.25	23.23	23.18	22.4	1		
20	QPSK	50	50	23.15	23.18	23.18				
20	QPSK	100	0	23.11	23.15	23.13				
20	16QAM	1	0	23.11	23.32	23.25	21.4	2		
20	16QAM	1	48	23.40	23.32	23.21				
20	16QAM	50	0	21.38	21.27	21.29				
20	16QAM	50	24	21.34	21.24	21.17	21.4	2		
20	16QAM	50	50	21.32	21.26	21.16				
20	16QAM	100	0	21.30	21.32	21.16				
20	16QAM	1	0	21.11	21.03	20.95	20.4	2		
20	16QAM	1	48	21.14	21.09	20.99				
20	16QAM	50	0	20.32	20.26	20.15				
20	16QAM	50	24	20.34	20.26	20.17	20.4	3		
20	16QAM	50	50	20.30	20.23	20.15				
20	16QAM	100	0	20.31	20.22	20.15				
Channel										
				42.615	42.650	42.615	Turn-on time (secs)	MPE (dB)		
Frequency (MHz)										
15	QPSK	1	0	23.09	23.10	23.02	23.4	0		
15	QPSK	1	37	23.08	23.10	23.03				
15	QPSK	50	0	23.04	23.04	23.00				
15	QPSK	50	24	23.07	23.02	23.00	22.4	1		
15	QPSK	50	50	23.00	23.00	23.00				
15	QPSK	100	0	23.00	23.00	23.00				
15	16QAM	1	37	23.02	23.18	23.08	21.4	2		
15	16QAM	50	0	21.03	21.07	22.00				
15	16QAM	50	24	21.05	21.18	22.12				
15	16QAM	50	50	21.21	21.13	21.00	21.4	2		
15	16QAM	100	0	21.17	21.09	21.00				
15	16QAM	1	0	21.14	21.07	21.05				
15	16QAM	50	0	20.32	20.28	20.08	20.4	2		
15	16QAM	1	37	20.30	20.38	20.08				
15	16QAM	1	74	20.29	20.33	20.09				
15	16QAM	50	0	20.25	20.26	20.04	20.4	3		
15	16QAM	50	24	20.14	20.10	20.03				
15	16QAM	50	50	20.15	20.08	19.94				
Channel										
				42.614	42.650	42.614	Turn-on time (secs)	MPE (dB)		
Frequency (MHz)										
10	QPSK	1	0	22.99	23.13	23.04	23.4	0		
10	QPSK	1	25	22.98	23.21	23.03				
10	QPSK	50	0	22.97	23.00	22.97				
10	QPSK	50	24	22.92	23.01	21.98	22.4	1		
10	QPSK	50	50	22.96	22.96	22.96				
10	QPSK	100	0	22.97	22.94	22.93				
10	16QAM	1	25	22.98	23.08	22.94	21.4	2		
10	16QAM	1	50	22.95	23.11	22.93				
10	16QAM	25	12	21.23	21.62	20.86				
10	16QAM	50	0	21.00	21.00	20.99	21.4	2		
10	16QAM	50	24	21.14	21.01	20.89				
10	16QAM	1	0	20.98	20.88	20.84				
10	16QAM	1	37	20.98	20.95	20.79	21.4	2		
10	16QAM	1	74	20.88	20.78	20.87				
10	16QAM	1	111	20.87	20.82	20.81				
10	16QAM	50	0	20.88	20.88	20.84	20.4	3		
10	16QAM	25	12	20.88	20.86	19.85				
10	16QAM	50	24	20.88	20.80	19.84				
10	16QAM	1	0	20.79	20.67	19.83	20.4	3		
10	16QAM	1	37	20.79	20.77	19.83				
10	16QAM	1	74	20.78	20.77	19.83				
Channel										
				42.613	42.650	42.613	Turn-on time (secs)	MPE (dB)		
Frequency (MHz)										
5	QPSK	1	0	22.99	23.13	23.03	23.4	0		
5	QPSK	1	12	22.97	23.11	22.99				
5	QPSK	50	0	22.97	23.05	22.96				
5	QPSK	50	24	22.92	23.01	21.91	22.4	1		
5	QPSK	50	50	22.94	22.96	22.94				
5	QPSK	100	0	22.94	22.91	22.92				
5	16QAM	1	12	22.97	23.06	22.94	21.4	2		
5	16QAM	1	24	22.98	23.06	22.87				
5	16QAM	12	7	21.18	21.10	20.92				
5	16QAM	50	0	21.00	21.00	20.99	21.4	2		
5	16QAM	50	24	21.02	20.97	20.97				
5	16QAM	1	0	20.94	20.90	20.74				
5	16QAM	1	37	20.94	20.92	20.74	20.4	3		
5	16QAM	1	74	20.93	20.91	20.74				
5	16QAM	1	111	20.92	20.91	20.74				
5	16QAM	12	7	20.93	20.91	19.97	20.4	3		
5	16QAM	12	19	20.93	20.95	18.90				
5	16QAM	12	31	20.93	20.95	18.90				

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) (dB)	dBm		
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	17.66			
20	QPSK	50	0	17.83	17.80	17.71			
20	QPSK	50	24	17.82	17.82	17.72	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			
20	REGAM	1	49	17.80	17.82	17.80	18.5	0	
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	17.56	17.46	18.5	0	
20	REGAM	1	59	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	17.75	17.74	17.61			
20	REGAM	100	0	17.85	17.76	17.71			
Channel									
Frequency (MHz)			3457.5	3500	3542.5	Time-up (ms) (dB)	dBm		
15	QPSK	1	0	17.74	17.68	17.51			
15	QPSK	1	37	17.65	17.74	17.55	18.5	0	
15	QPSK	1	74	17.82	17.36	17.49			
15	QPSK	36	0	17.77	17.68	17.56			
15	QPSK	36	26	17.71	17.67	17.50	18.5	0	
15	QPSK	36	39	17.63	17.55	17.35			
15	QPSK	74	0	17.65	17.51	17.35			
15	REGAM	1	0	17.71	17.67	17.52			
15	REGAM	1	37	17.67	17.58	17.54	18.5	0	
15	REGAM	1	74	17.80	17.46	17.37			
15	REGAM	36	0	17.59	17.57	17.48			
15	REGAM	36	26	17.53	17.47	17.41	18.5	0	
15	REGAM	36	39	17.61	17.49	17.30			
15	REGAM	74	0	17.67	17.56	17.46			
15	REGAM	74	0	17.50	17.35	17.37			
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	17.35	17.39			
15	REGAM	36	26	17.68	17.35	17.47	18.5	0	
15	REGAM	36	39	17.57	17.53	17.35			
15	REGAM	75	0	17.63	17.54	17.51			
Channel									
Frequency (MHz)			3455	3500	3545	Time-up (ms) (dB)	dBm		
10	QPSK	1	0	17.69	17.56	17.36			
10	QPSK	1	26	17.62	17.56	17.25	18.5	0	
10	QPSK	1	49	17.60	17.54	17.44			
10	QPSK	25	0	17.66	17.57	17.40			
10	QPSK	25	15	17.70	17.57	17.35	18.5	0	
10	QPSK	25	25	17.57	17.62	17.57			
10	QPSK	50	0	17.63	17.59	17.53			
10	REGAM	1	0	17.63	17.64	17.53			
10	REGAM	1	26	17.66	17.66	17.52	18.5	0	
10	REGAM	1	49	17.60	17.42	17.36			
10	REGAM	25	0	17.60	17.49	17.41			
10	REGAM	25	15	17.61	17.51	17.43	18.5	0	
10	REGAM	25	25	17.54	17.49	17.48			
10	REGAM	50	0	17.63	17.56	17.43			
10	REGAM	50	0	17.46	17.33	17.25			
10	REGAM	1	26	17.49	17.34	17.25	18.5	0	
10	REGAM	1	49	17.36	17.32	17.19			
10	REGAM	25	0	17.65	17.39	17.30			
10	REGAM	25	15	17.63	17.67	17.68	18.5	0	
10	REGAM	25	25	17.58	17.60	17.36			
10	REGAM	50	0	17.61	17.57	17.30			
Channel									
Frequency (MHz)			3452.5	3500	3547.5	Time-up (ms) (dB)	dBm		
5	QPSK	1	0	17.69	17.60	17.54			
5	QPSK	1	59	17.66	17.79	17.50	18.5	0	
5	QPSK	1	24	17.62	17.68	17.49			
5	QPSK	12	0	17.68	17.73	17.46			
5	QPSK	12	7	17.71	17.81	17.52	18.5	0	
5	QPSK	12	13	17.58	17.48	17.47			
5	QPSK	26	0	17.63	17.74	17.59			
5	REGAM	1	0	17.68	17.67	17.57			
5	REGAM	1	12	17.68	17.63	17.46	18.5	0	
5	REGAM	1	24	17.54	17.40	17.33			
5	REGAM	12	0	17.63	17.55	17.46			
5	REGAM	12	7	17.63	17.46	17.46	18.5	0	
5	REGAM	12	13	17.57	17.43	17.40			
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	7	17.67	17.64	17.56	18.5	0	
5	REGAM	12	13	17.57	17.55	17.30			
5	REGAM	26	0	17.62	17.61	17.37			

Reduced Power Mode for EC18

Band 41_Ant 0																	
BW [MHz]	Modulation	RS Rate	RS Offset	Power Line Ch. [F/Freq]	Power Low Ch. [F/Freq]	Power High Ch. [F/Freq]	Power Peak Ch. [F/Freq]	Time-up [ms]	MPH [dB]								
Channel																	
Frequency (MHz)																	
20	QPSK	1	0	23.40	23.40	23.50	23.50			23.3	0						
20	QPSK	1	40	23.50	23.50	23.60	23.60										
20	QPSK	1	80	23.60	23.60	23.70	23.70										
20	QPSK	50	0	23.10	23.10	23.15	23.15										
20	QPSK	50	24	23.15	23.15	23.20	23.20			23.3	0.1						
20	QPSK	50	50	23.20	23.20	23.25	23.25										
20	QPSK	50	75	23.25	23.25	23.30	23.30										
20	QPSK	50	100	23.30	23.30	23.35	23.35										
20	16QAM	1	0	23.30	23.30	23.36	23.36			23.3	0.1						
20	16QAM	1	40	23.40	23.40	23.43	23.43										
20	16QAM	1	80	23.50	23.50	23.53	23.53										
20	16QAM	50	0	23.20	23.20	23.28	23.28										
20	16QAM	50	24	23.25	23.25	23.32	23.32			22.8	0.5						
20	16QAM	50	50	23.30	23.30	23.37	23.37										
20	16QAM	50	75	23.35	23.35	23.40	23.40										
20	16QAM	50	100	23.40	23.40	23.45	23.45										
20	16QAM	100	0	23.10	23.10	23.18	23.18			22.8	0.5						
20	16QAM	100	24	23.15	23.15	23.22	23.22										
20	16QAM	100	50	23.20	23.20	23.27	23.27										
20	16QAM	100	75	23.25	23.25	23.30	23.30										
20	16QAM	100	100	23.30	23.30	23.38	23.38			22.8	0.5						
20	16QAM	100	24	23.35	23.35	23.42	23.42										
20	16QAM	100	50	23.40	23.40	23.47	23.47										
20	16QAM	100	75	23.45	23.45	23.50	23.50										
Channel <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td>																	
Frequency (MHz) <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td>																	
15	QPSK	1	0	23.31	23.30	23.30	23.32			23.3	0						
15	QPSK	1	37	23.31	23.31	23.31	23.31										
15	QPSK	1	74	23.40	23.40	23.39	23.32										
15	QPSK	36	0	23.20	23.20	23.20	23.24										
15	QPSK	36	24	23.24	23.24	23.24	23.28			23.3	0.1						
15	QPSK	36	36	23.28	23.28	23.28	23.27										
15	QPSK	36	72	23.32	23.32	23.32	23.31										
15	QPSK	36	108	23.36	23.36	23.36	23.35										
15	16QAM	1	0	23.10	23.10	23.20	23.04			23.3	0.1						
15	16QAM	1	37	23.27	23.25	23.20	23.10										
15	16QAM	1	74	23.35	23.34	23.31	23.30										
15	16QAM	36	0	23.07	23.10	23.11	23.00										
15	16QAM	36	24	23.11	23.20	23.20	23.13			22.8	0.5						
15	16QAM	36	36	23.20	23.20	23.22	23.19										
15	16QAM	36	72	23.25	23.25	23.25	23.24										
15	16QAM	36	108	23.30	23.30	23.30	23.29										
15	16QAM	75	0	23.15	23.16	23.16	23.04			22.8	0.5						
15	16QAM	75	37	23.23	23.23	23.18	23.17										
15	16QAM	75	74	23.30	23.30	23.29	23.28										
15	16QAM	75	111	23.37	23.37	23.36	23.35										
15	16QAM	36	0	23.09	23.07	23.04	23.00			22.8	0.5						
15	16QAM	36	24	23.12	23.12	23.12	23.09										
15	16QAM	36	72	23.17	23.17	23.17	23.16										
15	16QAM	36	108	23.22	23.22	23.22	23.21										
15	16QAM	75	0	23.09	23.07	23.07	23.00			22.8	0.5						
15	16QAM	75	37	23.15	23.15	23.15	23.12										
15	16QAM	75	74	23.22	23.22	23.22	23.21										
15	16QAM	75	111	23.29	23.29	23.29	23.28										
Channel <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td>																	
Frequency (MHz) <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td>																	
10	QPSK	1	0	23.30	23.29	23.29	23.30			23.3	0						
10	QPSK	1	26	23.34	23.40	23.42	23.31										
10	QPSK	1	40	23.42	23.40	23.40	23.31										
10	QPSK	25	0	23.20	23.21	23.20	23.20										
10	QPSK	25	25	23.25	23.25	23.25	23.25			23.3	0.1						
10	QPSK	25	50	23.30	23.30	23.30	23.30										
10	QPSK	25	75	23.35	23.35	23.35	23.35										
10	QPSK	25	100	23.40	23.40	23.40	23.40										
10	16QAM	1	0	23.10	23.20	23.20	23.07			23.3	0.1						
10	16QAM	1	25	23.24	23.21	23.20	23.08										
10	16QAM	1	40	23.35	23.35	23.35	23.35										
10	16QAM	25	0	23.04	23.10	23.10	23.01										
10	16QAM	25	12	23.10	23.10	23.10	23.05			22.8	0.5						
10	16QAM	25	25	23.15	23.15	23.15	23.10										
10	16QAM	25	37	23.20	23.20	23.20	23.15										
10	16QAM	25	50	23.25	23.25	23.25	23.20										
10	16QAM	25	62	23.30	23.30	23.30	23.25			22.8	0.5						
10	16QAM	25	75	23.35	23.35	23.35	23.30										
10	16QAM	25	87	23.40	23.40	23.40	23.35										
10	16QAM	25	100	23.45	23.45	23.45	23.40										
10	16QAM	25	112	23.50	23.50	23.50	23.45			22.8	0.5						
10	16QAM	25	125	23.55	23.55	23.55	23.50										
10	16QAM	25	137	23.60	23.60	23.60	23.55										
10	16QAM	25	150	23.65	23.65	23.65	23.60										
10	16QAM	50	0	23.09	23.07	23.07	23.00			22.8	0.5						
10	16QAM	50	25	23.14	23.14	23.14	23.10										
10	16QAM	50	50	23.19	23.19	23.19	23.15										
10	16QAM	50	75	23.24	23.24	23.24	23.20										
Channel <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td>																	
Frequency (MHz) <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td>																	
5	QPSK	1	0	23.28	23.30	23.32	23.20			23.3	0						
5	QPSK	1	19	23.41	23.39	23.39	23.31										
5	QPSK	1	24	23.39	23.37	23.40	23.07										
5	QPSK	12	0	23.05	23.07	23.08	23.03										
5	QPSK	12	7	23.10	23.09	23.09	23.06			23.3	0.1						
5	QPSK	12	13	23.15	23.12	23.12	23.10										
5	QPSK	12	19	23.20	23.18	23.18	23.15										
5	QPSK	12	25	23.25	23.22	23.22	23.20										
5	16QAM	1	0	23.09	23.17	23.24	23.04			23.3	0.1						
5	16QAM	1	40	23.15	23.07	23.05	23.01										
5	16QAM	1	24	23.24	23												

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)	Turn-up Incl (dB)	MPE (dB)						
Channel															
				2553	2561	2569	2575								
20	QPSK	1	0	22.89	22.94	23.04	22.98	23.7	0						
20	QPSK	1	49	22.93	23.01	23.13	23.05								
20	QPSK	1	99	22.97	23.11	23.18	23.08								
20	QPSK	50	0	22.95	22.94	22.95	22.94								
20	QPSK	50	24	22.95	22.91	22.75	22.95	23.1	0.6						
20	QPSK	50	50	22.93	22.89	22.71	22.89								
20	QPSK	100	0	22.97	22.98	22.97	22.98								
20	16QAM	1	0	22.49	22.63	22.68	22.61	23.1	0.6						
20	16QAM	1	49	22.58	22.75	22.84	22.64								
20	16QAM	1	99	22.62	22.84	22.73	22.78								
20	16QAM	50	0	21.43	21.59	21.57	21.49								
20	16QAM	50	24	21.53	21.78	21.57	21.54	22.1	1.6						
20	16QAM	50	50	21.59	21.69	21.75	21.63								
20	16QAM	100	0	21.58	21.58	21.68	21.60								
20	16QAM	1	0	21.13	21.18	21.27	21.24	22.1	1.6						
20	16QAM	1	49	21.25	21.35	21.47	21.34								
20	16QAM	1	99	21.33	21.38	21.34	21.38								
20	16QAM	50	0	19.89	19.84	19.13	19.14	21.1	2.6						
20	16QAM	50	24	20.00	20.01	20.23	20.07								
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															
				2553	2561	2569	2575	Turn-up Incl (dB)	MPE (dB)						
18	QPSK	1	0	22.68	22.75	22.83	22.87	23.7	0						
18	QPSK	1	49	22.81	23.01	23.04	22.89								
18	QPSK	1	99	22.87	23.09	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	22.33	22.47	22.39	22.38								
18	16QAM	1	0	22.29	22.51	22.59	22.42	23.1	0.6						
18	16QAM	1	37	22.41	22.57	22.41	22.44								
18	16QAM	1	74	22.45	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	21.01	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	19.89	20.09	19.91	21.1	2.6						
18	16QAM	36	50	19.97	20.02	20.03	19.95								
18	16QAM	75	0	19.82	19.98	19.99	20.05								
Channel															
				2553	2561	2569	2575	Turn-up Incl (dB)	MPE (dB)						
10	QPSK	1	0	22.68	22.72	22.85	22.81	23.7	0						
10	QPSK	1	24	22.84	22.87	22.84	22.88								
10	QPSK	1	49	22.89	22.87	22.89	22.88								
10	QPSK	25	0	22.43	22.48	22.51	22.48								
10	QPSK	25	12	22.51	22.49	22.51	22.49	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	23.1	0.6						
10	16QAM	1	25	22.28	22.68	22.52	22.43								
10	16QAM	1	49	22.45	22.61	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	21.48	21.48	21.41	21.48								
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	20.03	19.84	21.1	2.6						
10	16QAM	25	25	19.97	19.95	20.01	19.94								
10	16QAM	50	0	19.89	20.01	19.98	20.00								
Channel															
				2547.5	2570.5	2611.50	2652.5	Turn-up Incl (dB)	MPE (dB)						
5	QPSK	1	0	22.75	22.73	22.88	22.83	23.7	0						
5	QPSK	1	12	22.79	22.89	23.03	22.84								
5	QPSK	1	24	22.79	22.89	22.98	22.79								
5	QPSK	12	0	22.42	22.48	22.59	22.48								
5	QPSK	12	7	22.51	22.49	22.59	22.49	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								
5	16QAM	25	0	21.24	21.29	21.42	21.41	22.1	1.6						
5	16QAM	25	7	20.94	21.05	21.12	21.04								
5	16QAM	1	0	20.94	21.05	21.12	21.04								
5	16QAM	1	12	21.13	21.12	21.30	21.22								
5	16QAM	1	24	21.05	21.09	21.17	21.05	22.1	1.6						
5	16QAM	12	0	19.78	19.89	19.94	20.03								
5	16QAM	12	7	19.84	19.88	20.01	19.84								
5	16QAM	12	13	19.95	19.95	20.01	19.94								

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)	Turn-up Incl (dB)	MPE (dB)							
Channel																
				2555	2581	2608	2645									
30	QPSK	1	0	22.14	22.24	22.28	22.12	23.1	0							
30	QPSK	1	49	22.15	22.21	22.43	22.15									
30	QPSK	1	99	22.33	22.37	22.38										

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	17.82	17.80	10.0	0				
20	SAGAM	1	40	17.89	17.80	17.85						
20	SAGAM	50	0	18.09	18.12	18.11						
20	SAGAM	50	24	18.08	18.10	18.11	10.0	0				
20	SAGAM	50	50	18.07	18.09	18.07						
20	SAGAM	100	0	18.08	18.08	18.07						
Channel				3457.5	3500	3542.5	Turn-up time (min)	MFR (dB)				
Frequency (MHz)				3457.5	3500	3542.5						
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	1	74	17.83	17.84	17.88						
15	QPSK	30	0	17.84	17.84	17.82	10.0	0				
15	QPSK	30	24	17.85	17.85	17.81						
15	QPSK	30	50	17.88	17.83	17.80						
15	QPSK	70	0	17.85	17.82	17.81	10.0	0				
15	16QAM	1	0	18.08	18.09	18.08						
15	16QAM	1	27	18.13	18.00	17.81						
15	16QAM	30	0	17.88	17.84	18.03	10.0	0				
15	16QAM	30	24	17.87	17.82	17.80						
15	16QAM	30	50	17.89	17.87	18.02						
15	16QAM	70	0	17.86	17.82	17.86	10.0	0				
15	16QAM	1	0	17.11	17.10	17.13						
15	SAGAM	1	37	17.85	17.76	17.71						
15	SAGAM	1	74	17.88	17.80	17.84	10.0	0				
15	SAGAM	30	0	17.89	17.83	17.89						
15	SAGAM	30	20	17.87	17.86	17.86						
15	SAGAM	30	50	17.87	17.84	17.85	10.0	0				
15	SAGAM	70	0	17.81	17.81	17.86						
Channel												
				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	18.00	18.04	18.00						
10	QPSK	1	40	17.81	18.00	17.87						
10	QPSK	25	0	17.80	17.81	17.80	10.0	0				
10	QPSK	25	14	17.85	17.85	17.80						
10	QPSK	25	25	17.81	17.89	17.78						
10	QPSK	50	0	17.83	17.87	17.80	10.0	0				
10	16QAM	1	0	18.04	18.08	17.94						
10	16QAM	1	20	18.10	18.02	17.80						
10	16QAM	1	40	17.85	17.81	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	17.81	17.85						
10	SAGAM	1	20	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	20	17.88	17.82	17.83						
10	SAGAM	50	0	17.84	17.83	17.86						
Channel												
				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	12	18.01	18.03	17.80						
5	QPSK	1	24	18.00	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	17.89	17.87	10.0	0				
5	16QAM	1	0	17.87	17.89	18.04						
5	16QAM	1	24	17.88	17.88	17.86						
5	16QAM	12	0	17.86	17.81	17.86	10.0	0				
5	16QAM	12	7	17.89	17.89	17.83						
5	16QAM	12	13	17.84	17.89	17.89						
5	SAGAM	25	0	17.84	17.81	17.89	10.0	0				
5	SAGAM	1	12	17.83	17.82	17.81						
5	SAGAM	1	24	17.87	17.89	17.87						
5	SAGAM	12	0	17.89	17.89	17.89	10.0	0				
5	SAGAM	12	7	17.89	17.84	17.89						
5	SAGAM	12	13	17.85	17.84	17.85						

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	17.24	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	17.20	17.20						
20	16QAM	1	40	17.20	17.20	17.21						
20	16QAM	50	0	17.23	17.21	17.11	17.4	0				
20	16QAM	50	24	17.20	17.27	17.20						
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	17.20	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	16.90	16.83	16.86	17.4	0				
15	16QAM	1	0	16.93	17.11	17.13						
15	16QAM	1	21	16.98	17.03	16.96						
15	16QAM	1	74	17.12	17.01	16.88	17.4	0				
15	16QAM	30	0	16.88	17.05	16.81						
15	16QAM	30	24	16.98	17.02	16.91						
15	16QAM	30	50	17.04	17.00	17.04	17.4	0				
15	16QAM	70	0	17.01	16.93	16.94						
15	16QAM	1	37	17.01	16.86	16.72						
15	16QAM	1	74	16.94	16.79	16.59	17.4	0				
15	16QAM	30	0	16.88	16.98	16.98						
15	16QAM	30	24	16.93	17.05	16.97						
15	16QAM	30	50	17.04	17.00	17.04	17.4	0				
15	16QAM	70	0	17.01	16.93	16.94						
15	16QAM	1	37	17.01	16.86	16.72						
15	16QAM	1	74	16.94	16.79	16.59	17.4	0				
15	16QAM	30	0	16.88	16.98	16.98						
15	16QAM	30	24	16.93	17.05	16.97						
15	16QAM	30	50	17.04	17.00	17.04	17.4	0				
15	16QAM	70	0	17.01	16.93	16.94						
15	16QAM	1	37	17.01	16.86	16.72						
15	16QAM	1	74	16.94	16.79	16.59	17.4	0				
15	16QAM	30	0	16.88	16.98	16.98						
15	16QAM	30	24	16.93	17.05	16.97						
15	16QAM	30	50	17.04	17.00	17.04	17.4	0				
15	16QAM	70	0	17.01	16.93	16.94						
15	16QAM	1	37	17.01	16.86	16.72						
15	16QAM	1	74	16.94	16.79	16.59	17.4	0				
15	16QAM	30	0	16.88	16.98	16.98						
15	16QAM	30	24	16.93	17.05	16.97						
15	16QAM	30	50	17.04	17.00	17.04	17.4	0				
15	16QAM	70	0	17.01	16.93	16.94						
15	16QAM	1	37	17.01	16.86	16.72						
15	16QAM	1	74	16.94	16.79	16.59	17.4	0				
15	16QAM	30	0	16.88	16.98	16.98						
15	16QAM	30	24	16.93	17.05	16.97						
15	16QAM	30	50	17.04	17.00	17.04	17.4	0				
15	16QAM	70	0	17.01	16.93	16.94						
15	16QAM	1	37	17.01	16.86	16.72						
15	16QAM	1	74	16.94	16.79	16.59	17.4	0				
15	16QAM	30	0	16.88	16.98	16.98						
15	16QAM	30	24	16.93	17.05	16.97						
15	16QAM	30	50	17.04	17.00	17.04	17.4	0				
15	16QAM	70	0	17.01	16.93	16.94						
15	16QAM	1	37	17.01	16.86	16.72						
15	16QAM	1	74	16.94	16.79	16.59	17.4	0				
15	16QAM	30	0	16.88	16.98	16.98						
15	16QAM	30	24	16.93	17.05	16.97						
15	16QAM	30	50	17.04	17.00	17.04	17.4	0				
15	16QAM	70	0	17.01	16.93	16.94						
15	16QAM	1	37	17.01	16.86	16.72						
15	16QAM	1	74	16.94	16.79	16.59	17.4	0				
15	16QAM	30	0	16.88	16.98	16.98						
15	16QAM	30	24	16.93	17.05	16.97						
15	16QAM	30	50	17.04	17.00	17.04	17.4	0				
15	16QAM	70	0	17.01	16.93	16.94						
15	16QAM	1	37	17.01	16.86	16.72						
15	16QAM	1	74	16.94	16.79	16.59	17.4	0				
15	16QAM	30	0	16.88	16.98	16.98						
15	16QAM	30	24	16.93	17.05	16.97						
15	16QAM	30	50	17.04	17.00	17.04	17.4	0				
15	16QAM	70	0	17.01	16.93	16.94						
15	16QAM	1	37	17.01	16.86	16.72						
15	16QAM	1	74	16.94	16.79	16.59	17.4	0				
15	16QAM	30	0	16.88	16.98	16.98						
15	16QAM	30	24	16.93	17.05	16.97						
15	16QAM	30	50	17.04	17.00	17.04	17.4	0				
15	16QAM	70	0	17.01	16.93	16.94						
15	16QAM	1	37	17.01	16.86	16.72						
15	16QAM	1	74	16.94	16.79	16.59	17.4	0				
15	16QAM	30	0	16.88	16.98	16.98						
15	16QAM	30	24	16.93	17.05	16.97						
15	16QAM	30	50	17.04	17.00	17.04	17.4	0				
15	16QAM	70	0	17.01	16.93	16.94						
15	16QAM	1	37	17.01	16.86	16.72						
15	16QAM	1	74	16.94	16.79	16.59	17.4	0				
15	16QAM	30	0	16.88	16.98	16.98						
15	16QAM	30	24	16.93	17.05	16.97						
15	16QAM	30	50	17.04	17.00	17.04	17.4	0				
15	16QAM	70	0	17.01	16.93	16.94						
15	16QAM	1	37	17.01	16.86	16.72						
15	16QAM	1	74	16.94	16.79	16.59	17.4	0				
15	16QAM	30	0	16.88	16.98	16.98						
15	16QAM	30	24	16.93	17.05	16.97						
15	16QAM	30	50	17.04	17.00	17.04	17.4	0				
15	16QAM	70	0	17.01	16.93	16.94						
15	16QAM	1	37	17.01	16.86	16.72						
15	16QAM	1	74	16.94	16.79	16.59	17.4	0				
15	16QAM	30	0	16.88	16.98	16.98						
15	16QAM	30	24	16.93	17.05	16.97						
15	16QAM	30	50	17.04	17.00	17.04	17.4	0				
15	16QAM	70	0	17.01	16.93	16.94						
15	16QAM	1	37	17.01	16.86	16.72						
15	16QAM	1	74	16.94	16.79	16.59	17.4	0				
15	16QAM	30	0	16.88	16.98	16.98						
15	16QAM	30	24	16.93	17.05	16.97						
15	16QAM	30	50	17.04	17.00	17.04	17.4	0				
15	16QAM	70	0	17.01	16.93	16.94						
15	16QAM	1	37	17.01	16.86	16.72						
15	16QAM	1	74	16.94	16.79	16.59	17.4	0				
15	16QAM	30	0	16.88	16.98	16.98						
15	16QAM	30	24	16.93	17.05	16.97						
15	16QAM	30	50	17.04	17.00	17.04	17.4	0				
15	16QAM	70	0	17.01	16.93	16.94						
15	16QAM	1	37	17.01	16.86	16.72						
15	16QAM	1	74	16.94	16.79	16.59	17.4	0				
15	16QAM	30	0	16.88	16.98	16.98						
15	16QAM	30	24	16.93	17.05	16.97						
15	16QAM	30	50	17.04	17.00	17.04	17.4	0				
15	16QAM	70	0	17.01	16.93	16.94						
15	16QAM	1	37	17.01	16.86	16.72						
15	16QAM	1	74	16.94	16.79	16.59	17.4	0				
15	16QAM	30	0	16.88	16.98	16.98						
15	16QAM	30	24	16.93	17.05	16.97						
15	16QAM	30	50	17.04	17.00	17.04	17.4	0				
15	16QAM	70	0	17.01	16.93	16.94						
15	16QAM	1	37	17.01	16.86	16.72						
15	16QAM	1	74	16.94	16.79	16.59	17.4	0				
15	16QAM	30	0	16.88	16.98	16.98						
15	16QAM	30	24	16.93	17.05	16.97						
15	16QAM	30	50	17.04	17.00	17.04	17.4	0				
15	16QAM	70	0	17.01	16.93	16.94						
15	16QAM	1	37	17.01	16.86	16.72						
15	16QAM	1	74	16.94	16.79	16.59	17.4	0				
15	16QAM	30	0	16.88	16.98	16.98						
15	16QAM	30	24	16.93	17.05	16.97						
15	16QAM	30	50	17.04	17.00	17.04	17.4	0				
15	16QAM	70	0	17.01	16.93	16.94						
15	16QAM	1	37	17.01	16.86	16.72						
15	16QAM	1	74	16.94	16.79	16.59	17.4	0				
15	16QAM	30	0	16.88	16.98	16.98						
15	16QAM	30	24	16.93	17.05	16.97						
15	16QAM	30	50	17.04	17.00	17.04	17.4	0				
15	16QAM	70	0	17.01	16.93	16.94						
15	16QAM	1	37	17.01	16.86	16.72						
15	16QAM	1	74	16.94	16.79	16.59	17.4	0				
15	16QAM	30	0	16.88	16.98	16.98						
15	16QAM	30	24	16.93	17.05	16.97						
15	16QAM	30	50	17.04	17.00	17.04	17.4	0				
15	16QAM	70	0	17.01	16.93	16.94						
15	16QAM	1	37	17.01	16.86	16.72						
15	16QAM	1	74	16.94	16.79	16.59	17.4	0</				

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	20.21		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	20.23	19.95	19.98				
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	42.110		17.00-19 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	20.23	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	19.98				
10	16QAM	1	0	19.92	19.94	19.95		19.94		
10	16QAM	1	37	20.01	19.92	19.77		21	0	
10	16QAM	74	0	19.90	19.92	19.90				
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	42.100	42.110		17.00-19 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	20.22	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	19.95				
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	19.95				
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	42.100	42.110		17.00-19 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	20.22	20.23	20.06		21	0	
5	QPSK	1	24	20.18	20.05	19.95				
5	QPSK	12	0	20.18	20.23	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	24.00				
20	QPSK	1	69	23.98	23.98	24.00	24.00		24.8	0	
20	QPSK	50	0	23.92	23.92	23.94	23.94				
20	QPSK	50	69	23.92	23.92	23.94	23.94		24.8	0	
20	QPSK	50	50	23.84	23.84	23.83	23.83		23.8	1	
20	QPSK	100	0	23.84	23.84	23.83	23.83				
20	QPSK	100	69	23.84	23.84	23.83	23.83		23.8	0	
20	16QAM	1	0	23.48	23.53	23.58	23.45				
20	16QAM	1	69	23.48	23.53	23.58	23.45		23.8	0	
20	16QAM	50	0	23.48	23.53	23.58	23.45				
20	16QAM	50	69	23.48	23.53	23.58	23.45		23.8	0	
20	16QAM	50	50	22.50	22.54	22.53	22.42		22.8	2	
20	16QAM	100	0	22.50	22.54	22.53	22.42				
20	16QAM	100	69	22.53	22.56	22.51	22.42		22.8	0	
20	16QAM	100	50	22.53	22.56	22.51	22.42		22.8	2	
20	16QAM	1	0	22.36	22.34	22.40	22.16				
20	16QAM	1	69	22.30	22.32	22.40	22.16		22.8	0	
20	16QAM	50	0	22.30	22.32	22.40	22.16				
20	16QAM	50	69	22.34	22.36	22.43	22.16		22.8	0	
20	16QAM	50	50	21.52	21.55	21.70	20.30		21.8	3	
20	16QAM	100	0	21.52	21.55	21.70	20.30				
Channel											
				42.73	44.665	44.765	41.865	Time-up (ms)	APRS		
Frequency (MHz)											
15	QPSK	1	0	23.75	23.76	23.75	23.65				
15	QPSK	1	67	23.84	23.85	24.01	23.71		24.8	0	
15	QPSK	1	68	23.84	23.85	24.01	23.71				
15	QPSK	50	0	23.41	23.44	23.46	23.33				
15	QPSK	50	67	23.41	23.44	23.46	23.33		23.8	0	
15	QPSK	50	68	23.41	23.44	23.46	23.33				
15	QPSK	50	50	23.37	23.40	23.48	23.14		23.8	0	
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	16QAM	1	0	22.97	23.04	23.50	22.29				
15	16QAM	1	67	22.97	23.04	23.50	22.29		22.8	0	
15	16QAM	50	0	22.93	23.03	23.48	22.16				
15	16QAM	50	67	22.93	23.03	23.48	22.16		22.8	2	
15	16QAM	50	68	22.93	23.03	23.48	22.16				
15	16QAM	50	50	22.30	22.38	22.44	22.02		22.8	2	
15	16QAM	75	0	22.30	22.41	22.46	22.23				
15	16QAM	75	67	22.30	22.41	22.46	22.23		22.8	0	
15	16QAM	75	68	22.30	22.41	22.46	22.23				
15	16QAM	1	0	22.18	22.23	22.16	21.96				
15	16QAM	1	67	22.18	22.23	22.16	21.96		22.8	2	
15	16QAM	1	68	22.18	22.23	22.16	21.96				
15	16QAM	50	0	22.14	22.18	22.23	21.86				
15	16QAM	50	67	22.14	22.18	22.23	21.86		22.8	2	
15	16QAM	50	68	22.14	22.18	22.23	21.86				
15	16QAM	50	50	20.83	20.87	20.86	20.66		21.8	3	
15	16QAM	75	0	20.83	20.87	21.00	20.66				
15	16QAM	75	67	20.83	20.87	21.00	20.66		21.8	0	
15	16QAM	75	68	20.83	20.87	21.00	20.66				
Channel											
				42.665	44.665	44.665	42.125	Time-up (ms)	APRS		
Frequency (MHz)											
5	QPSK	1	0	23.14	23.12	23.13	23.07				
5	QPSK	1	25	23.44	23.55	24.00	23.69		24.8	0	
5	QPSK	1	26	23.44	23.55	24.00	23.69				
5	QPSK	50	0	23.46	23.46	23.47	23.21				
5	QPSK	50	25	23.46	23.46	23.46	23.21		23.8	0	
5	QPSK	50	26	23.46	23.46	23.46	23.21				
5	QPSK	50	50	23.42	23.44	23.44	23.21		23.8	0	
5	QPSK	75	0	23.42	23.44	23.44	23.21				
5	QPSK	75	25	23.42	23.44	23.44	23.21		23.8	0	
5	QPSK	75	26	23.42	23.44	23.44	23.21				
5	16QAM	1	0	22.38	22.33	22.34	22.16		23.8	1	
5	16QAM	1	25	22.33	22.34	22.44	22.16				
5	16QAM	1	26	22.33	22.34	22.44	22.16		23.8	1	
5	16QAM	50	0	22.30	22.32	22.42	22.16				
5	16QAM	50	25	22.30	22.32	22.42	22.16		22.8	2	
5	16QAM	50	26	22.30	22.32	22.42	22.16				
5	16QAM	50	50	22.28	22.35	22.38	22.16		22.8	2	
5	16QAM	75	0	22.08	22.03	22.02	21.86				
5	16QAM	75	25	22.08	22.03	22.02	21.86		22.8	2	
5	16QAM	75	26	22.08	22.03	22.02	21.86				
5	16QAM	1	0	22.08	22.08	22.23	21.86				
5	16QAM	1	25	22.08	22.08	22.23	21.86		22.8	2	
5	16QAM	1	26	22.08	22.08	22.23	21.86				
5	16QAM	50	0	22.02	22.08	22.10	21.84				
5	16QAM	50	25	22.02	22.08	22.10	21.84		22.8	2	
5	16QAM	50	26	22.02	22.08	22.10	21.84				
5	16QAM	1	0	22.08	22.12	22.21	21.84				
5	16QAM	1	25	22.08	22.12	22.21	21.84		22.8	2	
5	16QAM	1	26	22.08	22.12	22.21	21.84				
5	16QAM	50	0	22.06	22.06	22.05	21.76		21.8	3	
5	16QAM	50	25	22.06	22.06	22.05	21.76				
5	16QAM	50	26	22.06	22.06	22.05	21.76		21.8	3	

Band 41 (HPUE)_Ant_0											
RF	Modulation	FB	FB Offset	Low Pwr	Power	Power	Power	Power	Power	Time-slot	MPR
MHz		MHz		Level	Power	Power	Power	Power	Power	Index	Rate
				dBm	Power	Power	Power	Power	Power		
Channel											
25	QPSK	1	0	-24.83	-24.86	-24.85	-24.72			25.0	0
25	QPSK	1	0	-24.83	-24.86	-24.85	-24.72			25.0	0
25	QPSK	50	0	-24.83	-24.86	-24.85	-24.72			25.0	0
25	QPSK	50	0	-24.83	-24.86	-24.85	-24.72			25.0	0
25	QPSK	50	50	-24.84	-24.88	-24.84	-24.74			24.0	1
25	QPSK	100	0	-24.87	-24.93	-24.87	-24.70			24.0	1
25	QPSK	100	50	-24.87	-24.93	-24.87	-24.70			24.0	1
25	16QAM	1	0	-24.78	-24.73	-24.67	-24.44			24.0	1
25	16QAM	1	0	-24.78	-24.73	-24.67	-24.44			24.0	1
25	16QAM	50	0	-24.86	-24.91	-24.86	-24.69			23.0	1
25	16QAM	50	24	-24.86	-24.94	-24.86	-24.71			23.0	2
25	16QAM	100	0	-23.92	-23.94	-23.86	-23.36			22.0	1
25	16QAM	100	0	-23.92	-23.94	-23.86	-23.36			22.0	1
25	16QAM	1	0	-23.93	-23.94	-23.86	-23.36			22.0	2
25	16QAM	1	99	-23.93	-23.97	-23.98	-23.26			22.0	2
25	16QAM	50	0	-22.04	-22.06	-22.03	-21.90			22.0	3
25	16QAM	50	24	-22.05	-22.06	-22.13	-21.90			22.0	3
25	16QAM	100	0	-22.04	-22.05	-22.11	-21.89			22.0	3
Channel											
41	QPSK	1	0	-40.61	-40.66	-40.65	-41.06			Time-slot	MPR
41	QPSK	1	0	-40.61	-40.66	-40.65	-41.06			Time-slot	MPR
41	QPSK	1	97	-24.78	-24.80	-24.80	-24.64			25.0	0
41	QPSK	1	97	-24.78	-24.80	-24.80	-24.64			25.0	0
41	QPSK	50	0	-24.78	-24.80	-24.80	-24.64			25.0	0
41	QPSK	50	0	-24.78	-24.80	-24.80	-24.64			25.0	0
41	QPSK	50	50	-24.83	-24.86	-24.84	-24.72			24.0	1
41	QPSK	100	0	-24.83	-24.86	-24.84	-24.72			24.0	1
41	16QAM	1	97	-24.81	-24.48	-24.50	-24.33			24.0	1
41	16QAM	1	97	-24.81	-24.48	-24.50	-24.33			24.0	1
41	16QAM	50	0	-23.36	-23.46	-23.43	-23.26			23.0	1
41	16QAM	50	24	-23.37	-23.39	-23.48	-23.25			23.0	2
41	16QAM	100	0	-23.37	-23.39	-23.48	-23.25			23.0	2
41	16QAM	100	0	-23.37	-23.39	-23.48	-23.25			23.0	2
41	16QAM	1	97	-23.39	-23.39	-23.39	-23.17			23.0	2
41	16QAM	1	98	-23.39	-23.39	-23.39	-23.13			23.0	2
41	16QAM	50	24	-23.34	-23.34	-23.37	-23.15			22.0	3
41	16QAM	50	25	-23.32	-23.34	-23.37	-23.15			22.0	3
41	16QAM	100	0	-21.82	-21.84	-21.87	-21.72			22.0	3
41	16QAM	100	0	-21.82	-21.84	-21.87	-21.72			22.0	3
Channel											
41	QPSK	1	0	-40.59	-40.60	-40.59	-41.00			Time-slot	MPR
41	QPSK	1	0	-40.59	-40.60	-40.59	-41.00			Time-slot	MPR
41	QPSK	1	25	-24.78	-24.80	-24.84	-24.53			25.0	0
41	QPSK	1	25	-24.78	-24.80	-24.84	-24.53			25.0	0
41	QPSK	25	0	-24.73	-24.83	-24.47	-24.35			24.0	1
41	QPSK	25	0	-24.73	-24.83	-24.47	-24.35			24.0	1
41	QPSK	50	0	-24.44	-24.52	-24.47	-24.35			24.0	1
41	QPSK	50	0	-24.44	-24.52	-24.47	-24.35			24.0	1
41	QPSK	50	50	-24.44	-24.59	-24.45	-24.39			24.0	1
41	QPSK	100	0	-24.44	-24.59	-24.45	-24.39			24.0	1
41	16QAM	1	25	-24.56	-24.60	-24.53	-24.42			24.0	1
41	16QAM	1	25	-24.56	-24.60	-24.53	-24.42			24.0	1
41	16QAM	50	0	-24.52	-24.51	-24.46	-24.22			23.0	1
41	16QAM	50	0	-24.52	-24.51	-24.46	-24.22			23.0	1
41	16QAM	50	50	-23.37	-23.37	-23.32	-23.29			23.0	1
41	16QAM	50	52	-23.31	-23.38	-23.52	-23.29			23.0	1
41	16QAM	100	0	-23.37	-23.37	-23.32	-23.29			23.0	2
41	16QAM	100	0	-23.37	-23.37	-23.32	-23.29			23.0	2
41	16QAM	1	25	-23.35	-23.38	-23.43	-23.08			23.0	2
41	16QAM	1	25	-23.35	-23.38	-23.43	-23.08			23.0	2
41	16QAM	50	25	-21.81	-21.82	-21.86	-21.81			22.0	3
41	16QAM	50	25	-21.81	-21.82	-21.86	-21.81			22.0	3
41	16QAM	100	0	-21.81	-21.82	-21.86	-21.81			22.0	3
41	16QAM	100	0	-21.81	-21.82	-21.86	-21.81			22.0	3
Channel											
41	QPSK	1	0	-40.59	-40.60	-40.59	-41.00			Time-slot	MPR
41	QPSK	1	0	-40.59	-40.60	-40.59	-41.00			Time-slot	MPR
41	QPSK	1	92	-24.74	-24.88	-24.83	-24.53			25.0	0
41	QPSK	1	92	-24.74	-24.88	-24.83	-24.53			25.0	0
41	QPSK	50	0	-24.74	-24.88	-24.83	-24.53			25.0	0
41	QPSK	50	0	-24.74	-24.88	-24.83	-24.53			25.0	0
41	QPSK	50	50	-24.74	-24.84	-24.84	-24.36			24.0	1
41	QPSK	100	0	-24.74	-24.84	-24.84	-24.36			24.0	1
41	QPSK	100	50	-24.74	-24.84	-24.84	-24.36			24.0	1
41	16QAM	1	92	-24.44	-24.32	-24.28	-24.19			24.0	1
41	16QAM	1	92	-24.44	-24.32	-24.28	-24.19			24.0	1
41	16QAM	50	0	-24.44	-24.32	-24.28	-24.19			24.0	1
41	16QAM	50	0	-24.44	-24.32	-24.28	-24.19			24.0	1
41	16QAM	50	24	-24.44	-24.32	-24.28	-24.19			24.0	1
41	16QAM	100	0	-24.44	-24.32	-24.28	-24.19			24.0	1
41	16QAM	100	0	-24.44	-24.32	-24.28	-24.19			24.0	1
41	16QAM	1	92	-23.27	-23.31	-23.24	-23.12			23.0	2
41	16QAM	1	92	-23.27	-23.31	-23.24	-23.12			23.0	2
41	16QAM	50	0	-23.27	-23.31	-23.24	-23.12			23.0	2
41	16QAM	50	0	-23.27	-23.31	-23.24	-23.12			23.0	2
41	16QAM	1	24	-23.27	-23.45	-23.35	-23.06			23.0	2
41	16QAM	1	24	-23.27	-23.45	-23.35	-23.06			23.0	2
41	16QAM	50	24	-23.24	-23.33	-23.39	-23.17			22.0	3
41	16QAM	50	24	-23.24	-23.33	-23.39	-23.17			22.0	3
41	16QAM	100	0	-23.24	-23.33	-23.39	-23.17			22.0	3
41	16QAM	100	0	-23.24	-23.33	-23.39	-23.17			22.0	3

Band 41 Ant 1												
RF [MHz]	Modulation	RB Size	RB Offset	Time Use Coeff	Power Coeff	Power Coeff	Power Coeff	Power Coeff	Power Coeff	Power Coeff	Power Coeff	Power Coeff
Frequency [MHz]												
20	QPSK	1	0	19.86	19.3	19.36	19.36	19.36	19.31			
20	QPSK	1	49	19.86	19.31	19.31	19.31	19.31	19.26			
20	QPSK	50	0	19.71	19.31	19.31	19.31	19.31	19.22			
20	QPSK	50	49	19.71	19.26	19.26	19.26	19.26	19.23			
20	QPSK	50	50	19.86	19.36	19.36	19.36	19.36	19.33			
20	QPSK	100	0	19.60	19.37	19.37	19.37	19.37	19.32			
20	QPSK	100	49	19.60	19.32	19.32	19.32	19.32	19.29			
20	16QAM	1	49	19.74	19.80	19.80	19.80	19.80	19.84			
20	16QAM	50	0	19.63	19.73	19.73	19.73	19.73	19.78			
20	16QAM	50	49	19.63	19.74	19.74	19.74	19.74	19.78			
20	16QAM	50	50	19.86	19.77	19.76	19.76	19.76	19.82			
20	16QAM	100	0	19.60	19.77	19.77	19.77	19.77	19.82			
20	16QAM	100	49	19.60	19.72	19.72	19.72	19.72	19.77			
20	64QAM	1	49	19.41	19.55	19.54	19.54	19.54	19.73			
20	64QAM	50	0	19.41	19.51	19.51	19.51	19.51	19.77			
20	64QAM	50	49	19.41	19.50	19.50	19.50	19.50	19.78			
20	64QAM	50	50	19.63	19.57	19.57	19.57	19.57	19.83			
20	64QAM	100	0	19.41	19.52	19.52	19.52	19.52	19.78			
20	64QAM	100	49	19.41	19.47	19.47	19.47	19.47	19.74			
20	64QAM	100	50	19.15	19.27	19.24	19.24	19.24	19.48			
Channel												
				49213	49465	49765	49765	49765	49765			
Frequency [MHz]												
15	QPSK	1	0	19.81	19.31	19.31	19.31	19.31	19.36			
15	QPSK	1	49	19.81	19.26	19.26	19.26	19.26	19.33			
15	QPSK	50	0	19.66	19.31	19.31	19.31	19.31	19.37			
15	QPSK	50	49	19.66	19.26	19.26	19.26	19.26	19.33			
15	QPSK	50	50	19.81	19.37	19.36	19.36	19.36	19.42			
15	QPSK	100	0	19.41	19.57	19.56	19.56	19.56	19.77			
15	QPSK	100	49	19.41	19.52	19.52	19.52	19.52	19.77			
15	16QAM	1	49	19.68	19.56	19.51	19.51	19.51	19.78			
15	16QAM	50	0	19.48	19.56	19.52	19.52	19.52	19.78			
15	16QAM	50	49	19.48	19.55	19.50	19.50	19.50	19.79			
15	16QAM	50	50	19.63	19.57	19.52	19.52	19.52	19.83			
15	16QAM	100	0	19.48	19.57	19.56	19.56	19.56	19.79			
15	16QAM	100	49	19.48	19.52	19.50	19.50	19.50	19.76			
15	64QAM	1	49	19.28	19.44	19.45	19.45	19.45	19.68			
15	64QAM	1	50	19.28	19.44	19.45	19.45	19.45	19.68			
15	64QAM	1	51	19.28	19.43	19.48	19.48	19.48	19.68			
15	64QAM	50	0	19.48	19.48	19.48	19.48	19.48	19.68			
15	64QAM	50	49	19.48	19.43	19.43	19.43	19.43	19.68			
15	64QAM	50	50	19.63	19.48	19.48	19.48	19.48	19.68			
15	64QAM	100	0	19.48	19.43	19.43	19.43	19.43	19.68			
15	64QAM	100	49	19.48	19.38	19.38	19.38	19.38	19.68			
15	64QAM	100	50	19.15	19.38	19.38	19.38	19.38	19.68			
Channel												
				49165	49465	49765	49765	49765	49765			
Frequency [MHz]												
5	QPSK	1	0	19.86	19.32	19.72	19.86					
5	QPSK	1	25	19.81	19.69	19.62	19.93					
5	QPSK	1	50	19.76	19.67	19.67	19.93					
5	QPSK	25	0	19.51	19.69	19.59	19.51					
5	QPSK	25	12	19.47	19.60	19.60	19.63					
5	QPSK	25	37	19.47	19.55	19.55	19.63					
5	QPSK	50	0	19.47	19.61	19.63	19.62					
5	QPSK	50	25	19.51	19.51	19.51	19.58					
5	16QAM	1	25	19.57	19.58	19.59	19.86					
5	16QAM	1	49	19.53	19.71	19.64	19.71					
5	16QAM	1	74	19.53	19.72	19.64	19.72					
5	16QAM	25	12	19.54	19.59	19.62	19.84					
5	16QAM	25	37	19.44	19.54	19.57	19.84					
5	16QAM	50	0	19.51	19.58	19.66	19.82					
5	16QAM	50	25	19.47	19.48	19.52	19.84					
5	16QAM	50	49	19.25	19.49	19.58	19.83					
5	16QAM	50	74	19.25	19.47	19.57	19.84					
5	64QAM	25	12	19.46	19.52	19.54	19.84					
5	64QAM	25	37	19.40	19.50	19.53	19.84					
5	64QAM	50	0	19.40	19.50	19.53	19.84					
Channel												
				49165	49465	49765	49765	49765	49765			
Frequency [MHz]												
5	QPSK	1	12	19.81	19.68	19.62	19.93					
5	QPSK	1	37	19.76	19.67	19.67	19.93					
5	QPSK	12	0	19.53	19.56	19.69	19.83					
5	QPSK	12	7	19.44	19.54	19.52	19.83					
5	QPSK	25	0	19.42	19.63	19.60	19.76					
5	QPSK	25	12	19.42	19.58	19.58	19.76					
5	QPSK	25	37	19.53	19.53	19.53	19.76					
5	16QAM	1	12	19.50	19.67	19.64	19.83					
5	16QAM	1	37	19.46	19.67	19.69	19.73					
5	16QAM	12	0	19.53	19.57	19.64	19.68					
5	16QAM	12	7	19.42	19.54	19.50	19.79					
5	16QAM	25	0	19.42	19.57	19.57	19.79					
5	16QAM	25	12	19.46	19.68	19.64	19.82					
5	16QAM	25	37	19.21	19.23	19.47	19.84					
5	16QAM	50	0	19.21	19.23	19.47	19.84					
5	16QAM	50	12	19.21	19.23	19.47	19.84					
5	64QAM	1	24	19.28	19.38	19.59	19.53					
5	64QAM	1	48	19.28	19.38	19.59	19.53					
5	64QAM	12	13	19.06	19.06	19.37	19.57					
5	64QAM	12	13	19.06	19.16	19.39	19.24					
5	64QAM	12	13	19.06	19.16	19.39	19.24					

Band 41 (HPUE)_Ant_1												
RF [MHz]	Modulation	RB [KHz]	IS Offset	Line Rate [Kbps]	Power Spectral Density [dBm/MHz]	Power Spectral Density [dBm/MHz]	Power Spectral Density [dBm/MHz]	Power Spectral Density [dBm/MHz]	Power Spectral Density [dBm/MHz]	Power Spectral Density [dBm/MHz]	Power Spectral Density [dBm/MHz]	Power Spectral Density [dBm/MHz]
Frequency Channel				6000	6000	6000	6000	6000	6000	6000	6000	6000
20	QPSK	1	0	14.87	13.15	12.42	13.28	13.28	13.28	13.28	13.28	13.28
20	QPSK	1	40	14.87	13.15	12.42	13.28	13.28	13.28	13.28	13.28	13.28
20	QPSK	50	0	14.87	13.15	12.42	13.28	13.28	13.28	13.28	13.28	13.28
20	QPSK	50	40	14.87	13.15	12.42	13.28	13.28	13.28	13.28	13.28	13.28
20	QPSK	50	160	14.87	13.15	12.42	13.28	13.28	13.28	13.28	13.28	13.28
20	QPSK	160	0	14.87	13.15	12.42	13.28	13.28	13.28	13.28	13.28	13.28
20	QPSK	160	40	14.87	13.15	12.42	13.28	13.28	13.28	13.28	13.28	13.28
20	QPSK	160	160	14.87	13.15	12.42	13.28	13.28	13.28	13.28	13.28	13.28
20	QPSK	160	240	14.87	13.15	12.42	13.28	13.28	13.28	13.28	13.28	13.28
20	QPSK	160	320	14.87	13.15	12.42	13.28	13.28	13.28	13.28	13.28	13.28
20	QPSK	160	400	14.87	13.15	12.42	13.28	13.28	13.28	13.28	13.28	13.28
20	QPSK	160	480	14.87	13.15	12.42	13.28	13.28	13.28	13.28	13.28	13.28
20	QPSK	160	560	14.87	13.15	12.42	13.28	13.28	13.28	13.28	13.28	13.28
20	QPSK	160	640	14.87	13.15	12.42	13.28	13.28	13.28	13.28	13.28	13.28
20	QPSK	160	720	14.87	13.15	12.42	13.28	13.28	13.28	13.28	13.28	13.28
20	QPSK	160	800	14.87	13.15	12.42	13.28	13.28	13.28	13.28	13.28	13.28
20	QPSK	160	880	14.87	13.15	12.42	13.28	13.28	13.28	13.28	13.28	13.28
20	QPSK	160	960	14.87	13.15	12.42	13.28	13.28	13.28	13.28	13.28	13.28
20	QPSK	160	1040	14.87	13.15	12.42	13.28	13.28	13.28	13.28	13.28	13.28
20	QPSK	160	1120	14.87	13.15	12.42	13.28	13.28	13.28	13.28	13.28	13.28
20	QPSK	160	1200	14.87	13.15	12.42	13.28	13.28	13.28	13.28	13.28	13.28
20	QPSK	160	1280	14.87	13.15	12.42	13.28	13.28	13.28	13.28	13.28	13.28
20	QPSK	160	1360	14.87	13.15	12.42	13.28	13.28	13.28	13.28	13.28	13.28
20	QPSK	160	1440	14.87	13.15	12.42	13.28	13.28	13.28	13.28	13.28	13.28
20	QPSK	160	1520	14.87	13.15	12.42	13.28	13.28	13.28	13.28	13.28	13.28
20	QPSK	160	1600	14.87	13.15	12.42	13.28	13.28	13.28	13.28	13.28	13.28
20	QPSK	160	1680	14.87	13.15	12.42	13.28	13.28	13.28	13.28	13.28	13.28
20	QPSK	160	1760	14.87	13.15	12.42	13.28	13.28	13.28	13.28	13.28	13.28
20	QPSK	160	1840	14.87	13.15	12.42	13.28	13.28	13.28	13.28	13.28	13.28
20	QPSK	160	1920	14.87	13.15	12.42	13.28	13.28	13.28	13.28	13.28	13.28
20	QPSK	160	2000	14.87	13.15	12.42	13.28</					

Band 41_Ant 4															
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac]	Power Mid Ch. [Frac]	Power High Ch. [Frac]	Power Max Ch. [Frac]	Time-on-Air [sec]	MFR [dB]						
Channel															
Frequency (MHz)															
20	QPSK	1	0	23.09	23.14	23.24	23.18	24.1	0						
20	QPSK	1	49	23.17	23.17	23.18	23.18								
20	QPSK	1	99	23.17	23.17	23.18	23.18								
20	QPSK	50	0	22.57	22.62	22.67	22.69								
20	QPSK	50	50	22.73	22.68	22.68	22.73	23.1	1						
20	QPSK	100	0	22.55	22.76	22.66	22.75								
20	HEGAM	1	0	22.69	22.76	22.79	22.76								
20	HEGAM	1	49	22.77	22.68	22.68	22.79								
20	HEGAM	50	0	21.67	21.73	21.65	21.79	22.1	2						
20	HEGAM	50	24	21.71	21.57	21.69	21.77								
20	HEGAM	50	50	21.73	21.61	21.69	21.74								
20	HEGAM	100	0	21.69	21.79	21.67	21.79								
20	HEGAM	1	0	21.73	21.74	21.74	21.74	22.1	2						
20	HEGAM	1	49	21.45	21.55	21.59	21.59								
20	HEGAM	1	99	21.41	21.53	21.58	21.44								
20	HEGAM	50	0	20.74	20.70	20.70	20.70								
20	HEGAM	50	24	20.21	20.26	20.26	20.26	21.1	3						
20	HEGAM	50	50	20.22	20.26	20.27	20.26								
20	HEGAM	100	0	20.20	20.29	20.16	20.27								
Channel								Time-on-Air [sec]							
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	23.13	23.09								
18	QPSK	36	0	22.61	22.70	22.69	22.71								
18	QPSK	36	36	22.61	22.70	22.69	22.71	23.1	1						
18	QPSK	75	0	22.45	22.62	22.65	22.50								
18	HEGAM	1	0	22.48	22.59	22.60	22.60								
18	HEGAM	1	37	22.54	22.63	22.74	22.59								
18	HEGAM	1	74	22.52	22.73	22.71	22.48	22.1	2						
18	HEGAM	36	0	21.52	21.57	21.68	21.58								
18	HEGAM	36	20	21.54	21.61	21.68	21.65								
18	HEGAM	36	36	21.51	21.68	21.69	21.61								
18	HEGAM	75	0	21.58	21.59	21.63	21.55	22.1	2						
18	HEGAM	1	0	21.78	21.77	21.77	21.71								
18	HEGAM	1	37	21.22	21.41	21.44	21.32								
18	HEGAM	1	74	21.21	21.38	21.39	21.21								
18	HEGAM	36	0	19.88	19.89	20.09	20.17	22.1	2						
18	HEGAM	36	20	20.02	20.05	20.23	20.01								
18	HEGAM	36	36	20.02	20.18	20.18	19.98								
18	HEGAM	75	0	20.02	20.13	20.11	20.11								
Channel								Time-on-Air [sec]							
Frequency (MHz)															
16	QPSK	1	0	22.64	22.69	22.64	22.69	24.1	0						
16	QPSK	1	25	22.67	23.13	23.27	23.07								
16	QPSK	1	49	23.05	23.13	23.12	23.05								
16	QPSK	25	0	22.64	22.62	22.67	22.72								
16	QPSK	25	12	22.64	22.62	22.64	22.64	23.1	1						
16	QPSK	25	25	22.51	22.69	22.67	22.62								
16	QPSK	50	0	22.58	22.65	22.67	22.62								
16	HEGAM	1	0	22.52	22.65	22.61	22.59								
16	HEGAM	1	25	22.52	22.79	22.71	22.52	23.1	1						
16	HEGAM	1	49	22.51	23.14	23.13	22.48								
16	HEGAM	25	0	21.47	21.53	21.57	21.54								
16	HEGAM	25	12	21.47	21.57	21.74	21.64								
16	HEGAM	25	25	21.56	21.57	21.71	21.56	22.1	2						
16	HEGAM	50	0	21.57	21.65	21.79	21.65								
16	HEGAM	1	0	21.20	21.27	21.24	21.20								
16	HEGAM	1	25	21.21	21.29	21.29	21.29								
16	HEGAM	1	49	21.25	21.26	21.43	21.26	22.1	2						
16	HEGAM	25	0	19.84	19.85	20.03	20.16								
16	HEGAM	25	12	20.08	20.11	20.20	20.09								
16	HEGAM	25	25	20.08	20.12	20.13	19.98								
16	HEGAM	50	0	20.04	20.09	20.18	20.09	21.1	3						
Channel												Time-on-Air [sec]			
Frequency (MHz)															
5	QPSK	1	0	22.08	22.09	22.09	22.02	24.1	0						
5	QPSK	1	12	22.02	23.10	23.20	23.08								
5	QPSK	1	24	23.01	23.01	23.01	23.01								
5	QPSK	12	0	22.59	22.62	22.75	22.68								
5	QPSK	12	7	22.47	22.58	22.68	22.58	23.1	1						
5	QPSK	12	13	22.57	22.62	22.73	22.54								
5	QPSK	25	0	22.58	22.60	22.74	22.50								
5	HEGAM	1	0	22.45	22.52	22.55	22.45								
5	HEGAM	1	12	22.59	22.65	22.64	22.61	23.1	1						
5	HEGAM	1	24	22.52	22.77	22.78	22.48								
5	HEGAM	12	0	21.47	21.58	21.62	21.50								
5	HEGAM	12	7	21.50	21.57	21.66	21.55								
5	HEGAM	12	13	21.60	21.70	21.71	21.60	22.1	2						
5	HEGAM	25	0	21.49	21.63	21.69	21.55								
5	HEGAM	1	0	21.18	21.20	21.22	21.18								
5	HEGAM	1	12	21.23	21.32	21.37	21.26								
5	HEGAM	1	24	21.18	21.33	21.37	21.18	22.1	2						
5	HEGAM	12	0	19.88	19.88	20.15	20.12								
5	HEGAM	12	7	20.01	20.07	20.17	20.09								
5	HEGAM	12	13	20.01	20.09	20.17	20.07								
5	HEGAM	25	0	20.01	20.13	20.15	20.00	21.1	3						
Channel												Time-on-Air [sec]			
Frequency (MHz)															

Band 41 (HPUE)_Ant 4															
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac]	Power Mid Ch. [Frac]	Power High Ch. [Frac]	Power Max Ch. [Frac]	Time-on-Air [sec]	MFR [dB]						
Channel				40260	40560	40770	41160								
Frequency (MHz)															
20	QPSK	1	0	23.24	24.24	24.36	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								
20	QPSK	50	50	23.79	23.74	23.79	23.81	24.1	1						
20	QPSK	100	0	23.65	23.71	23.72	23.81								
20	HEGAM	1	0	23.66	23.74	23.79	23.68								
20	HEGAM	1	49	23.84	23.84	23.84	23.76								
20	HEGAM	50	0	22.81	22.87	22.75	22.79	24.1	1						
20	HEGAM	50	24	22.85	22.71	22.81	22.75								
20	HEGAM	50	50	22.82	22.76	22.77	22.86	23.1	2						
20	HEGAM	100	0	22.82	22.82	22.82	22.82								
20	HEGAM	100	49	22.82	22.82	22.82	22.82								
20	HEGAM	1	99	22.86	22.74	22.77	22.84								
20	HEGAM	1	99	22.86	22.74	22.77	22.84	23.1	2						
20	HEGAM	50	0	21.15	21.18	21.2	21.2								
20	HEGAM	50	24	21.15	21.23	21.3	21.19								
20	HEGAM	50	50	21.15	21.22	21.26	21.17								
Channel				40155	40665	40765	41165	25.1	0	MFR	dB				
Frequency (MHz)															
15	QPSK	1	0	22.71	23.31	23.33	22.71								
15	QPSK	1	37	24.02	23.36	23.39	24.02								
15	QPSK	1	74	23.31	23.31	23.31	23.31								
15	QPSK	50	0	23.83	23.58	23.57	23.82	24.1	1						
15	QPSK	50	24	23.83	23.58	23.58	23.82								
15	QPSK	50	49	23.58	23.58	23.58	23.82								
15	QPSK	100	0	23.53	23.53	23.58	23.47								
15	QPSK	100	50	23.53	23.47	23.47	23.58	24.1	1						
15	HEGAM	1	0	23.51	23.51	23.58	23.46								
15	HEGAM	1	37	23.53	23.75	23.63	23.48								
15	HEGAM	1	74	23.53	23.53	23.53	23.53								
15	HEGAM	50	0	22.50	22.50	22.50	22.53	23.1	2						
15	HEGAM	50	24	22.44	22.58	22.62	22.59								
15	HEGAM	50	49	22.58	22.58	22.58	22.59								
15	HEGAM	100	0	22.29	22.50	22.58	22.49								
15	HEGAM	100	50	22.29	22.50	22.58	22.49	23.1	2						
15	HEGAM	1	99	22.45	22.50	22.58	22.47								
15	HEGAM	1	99	22.45	22.50	22.58	22.47								
15	HEGAM	1	98	22.45	22.50	22.62	22.52								
15	HEGAM	50	0	21.08	21.07	21.07	21.08	22.1	3						
15	HEGAM	50	24	21.08	21.07	21.07	21.08								
15	HEGAM	50	49	21.08	21.07	21.07	21.08								
15	HEGAM	100	0	20.53	21.07	21.07	20.53								
Channel				40155	40665	40765	41165	25.1	0	MFR	dB				
Frequency (MHz)															
10	QPSK	1	0	23.16	23.30	23.30	23.17								
10	QPSK	1	25	24.04	23.49	24.07	24.04								
10	QPSK	1	50	23.30	23.30	23.30	23.30								
10	QPSK	25	0	23.81	23.53	23.67	23.86	24.1	1						
10	QPSK	25	25	23.81	23.53	23.53	23.86								
10	QPSK	50	0	23.45	23.45	23.52	23.41								
10	QPSK	50	25	23.49	23.49	23.49	23.38								
10	QPSK	50	50	23.49	23.49	23.49	23.38	24.1	1						
10	HEGAM	1	0	23.45	23.45	23.52	23.41								
10	HEGAM	1	25	23.86	23.79	23.84	23.77								
10	HEGAM	1	50	23.80	23.70	23.80	23.56								
10	HEGAM	25	0	22.51	22.46	22.46	22.51	23.1	2						
10	HEGAM	25	25	22.51	22.46	22.46	22.51								
10	HEGAM	25	50	22.51	22.46	22.63	22.55								
10	HEGAM	50	0	22.31	22.46	22.38	22.52								
10	HEGAM	50	25	22.29	22.40	22.46	22.42	23.1	2						
10	HEGAM	50	50	22.29	22.40	22.46	22.42								
10	HEGAM	1	49	22.36	22.54	22.67	22.29								
10	HEGAM	1	49	22.36	22.54	22.67	22.29								
10	HEGAM	25	0	21.08	21.07	21.07	21.08	22.1	3						
10	HEGAM	25	25	21.08	21.07	21.07	21.08								
10	HEGAM	25	50	21.08	21.07	21.07	21.08								
10	HEGAM	50	0	20.56	21.07	21.07	20.56								
Channel				40165	40685	40785	41215	25.1	0	MFR	dB				
Frequency (MHz)															
5	QPSK	1	0	23.17	23.31	23.32	23.18								
5	QPSK	1	50	23.84	24.00	24.08	24.02								
5	QPSK	1	100	23.31	23.31	23.31	23.31								
5	QPSK	12	0	23.83	23.84	23.86	23.82	24.1	1						
5	QPSK	12	7	23.84	23.84	23.84	23.82								
5	QPSK	12	14	23.84	23.84	23.84	23.82								
5	QPSK	25	0	23.49	23.49	23.50	23.48								
5	QPSK	25	8	23.49	23.49	23.50	23.48	24.1	1						
5	HEGAM	1	0	23.49	23.49	23.50	23.48								
5	HEGAM	1	24	23.29	23.73	23.83	23.83								
5	HEGAM	1	24	23.29	23.73	23.83	23.83								
5	HEGAM	1	24	23.27	23.70	23.80	23.80	23.1	2						
5	HEGAM	1	24	23.27	23.70	23.80	23.80								
5	HEGAM	12	7	22.41	22.56	22.57	22.52								
5	HEGAM	12	7	22.41	22.56	22.57	22.52								
5	HEGAM	1	99	22.49	22.50	22.56	22.50	23.1	2						
5	HEGAM	1	99	22.49	22.50	22.56	22.50								
5	HEGAM	1	99	22.49	22.50	22.56	22.50								
5	HEGAM	1	24	22.37	22.53	22.61	22.34								
5	HEGAM	1	24	22.37	22.53	22.61	22.34	23.1	2						
5	HEGAM	12	5	20.56	21.17	21.17	20.56								
5	HEGAM	12	5	20.57	20.99	21.12	20.98								
5	HEGAM	12	5	20.57	20.99	21.12	20.98								

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-sp [sec]	MPN (dB)	
Channel				42150	42550	42950			
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	1	96	20.13	20.13	20.20			
20	QPSK	50	0	20.11	20.14	20.12	20.8	0	
20	QPSK	50	48	20.20	20.20	20.20			
20	QPSK	50	96	20.08	20.10	20.07			
20	QPSK	100	0	20.09	20.12	20.10	20.8	0	
20	QPSK	100	48	20.19	20.20	20.19			
20	QPSK	100	96	20.24	20.21	20.12			
20	16QAM	1	0	20.13	20.13	20.13	20.8	0	
20	16QAM	1	48	20.24	20.21	20.12			
20	16QAM	1	96	20.13	20.13	20.13			
20	16QAM	50	0	20.11	20.13	20.12	20.8	0	
20	16QAM	50	48	20.20	20.12	20.12			
20	16QAM	50	96	20.10	20.12	20.11			
20	16QAM	100	0	20.10	20.12	20.11	20.8	0	
20	16QAM	100	48	20.20	20.12	20.11			
20	16QAM	100	96	20.10	20.12	20.11			
Channel				42155	42550	42915			
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	64	19.92	19.98	19.92			
15	QPSK	36	0	20.00	20.02	20.00	20.8	0	
15	QPSK	36	32	20.09	20.02	20.00			
15	QPSK	36	64	19.81	19.88	19.82			
15	QPSK	75	0	19.87	19.89	19.88	20.8	0	
15	QPSK	75	32	19.90	20.04	20.00			
15	QPSK	75	64	19.81	19.88	19.89			
15	16QAM	1	0	19.92	19.92	19.92	20.8	0	
15	16QAM	1	32	20.01	20.00	19.89			
15	16QAM	1	64	19.82	19.82	19.87			
15	16QAM	36	0	19.92	20.00	20.03	20.8	0	
15	16QAM	36	32	19.87	20.02	20.02			
15	16QAM	36	64	19.82	19.84	19.82			
15	16QAM	75	0	19.85	20.00	19.89	20.8	0	
15	16QAM	75	32	19.87	19.81	19.89			
15	16QAM	75	64	19.87	19.81	19.89			
15	16QAM	1	0	19.76	19.77	19.88	20.8	0	
15	16QAM	1	32	19.84	19.84	19.87			
15	16QAM	1	64	19.61	20.00	19.87			
15	16QAM	36	0	19.84	19.87	19.89	20.8	0	
15	16QAM	36	32	19.84	19.87	19.89			
15	16QAM	36	64	19.84	19.87	19.89			
15	16QAM	75	0	19.83	19.85	19.82	20.8	0	
15	16QAM	75	32	19.83	19.85	19.82			
15	16QAM	75	64	19.83	19.85	19.82			
Channel				42140	42550	43040			
Frequency (MHz)									
10	QPSK	1	0	19.87	20.08	19.87	20.8	0	
10	QPSK	1	25	20.03	20.09	20.07			
10	QPSK	1	48	19.90	19.90	19.90			
10	QPSK	25	0	19.87	19.86	19.89	20.8	0	
10	QPSK	25	12	19.81	19.82	19.84			
10	QPSK	25	25	19.84	19.87	19.80			
10	QPSK	50	0	19.85	19.81	19.80	20.8	0	
10	QPSK	50	25	20.01	20.07	20.01			
10	QPSK	50	50	19.85	19.85	19.85			
10	16QAM	1	0	20.00	20.00	19.91	20.8	0	
10	16QAM	1	48	19.93	19.98	19.98			
10	16QAM	1	96	19.92	19.98	19.90			
10	16QAM	25	0	19.82	19.88	19.80	20.8	0	
10	16QAM	25	12	19.80	19.81	19.84			
10	16QAM	25	25	19.87	19.84	20.00			
10	16QAM	50	0	19.82	19.81	19.86	20.8	0	
10	16QAM	50	25	19.82	19.75	19.88			
10	16QAM	50	50	19.73	19.74	19.84			
10	16QAM	1	0	19.60	19.64	19.60	20.8	0	
10	16QAM	1	48	19.60	19.64	19.60			
10	16QAM	1	96	19.50	19.50	19.50			
10	16QAM	25	0	19.50	19.50	19.50	20.8	0	
10	16QAM	25	12	19.50	19.50	19.50			
10	16QAM	25	25	19.50	19.50	19.50			
10	16QAM	50	0	19.50	19.50	19.50	20.8	0	
10	16QAM	50	25	19.50	19.50	19.50			
10	16QAM	50	50	19.50	19.50	19.50			
Channel				42115	42560	43065			
Frequency (MHz)									
5	QPSK	1	0	20.03	20.03	19.90	20.8	0	
5	QPSK	1	12	20.10	20.06	20.00			
5	QPSK	1	24	19.92	19.90	19.80			
5	QPSK	12	0	19.92	19.91	19.94	20.8	0	
5	QPSK	12	6	19.80	19.80	19.80			
5	QPSK	12	18	19.88	19.82	19.78			
5	QPSK	25	0	19.86	19.82	19.86	20.8	0	
5	QPSK	25	6	19.90	19.80	19.87			
5	QPSK	25	18	19.80	19.80	19.80			
5	16QAM	1	0	20.00	20.00	19.87	20.8	0	
5	16QAM	1	12	20.11	20.00	19.89			
5	16QAM	1	24	19.80	19.80	19.87			
5	16QAM	12	0	19.80	19.80	19.87	20.8	0	
5	16QAM	12	6	19.80	19.80	19.87			
5	16QAM	12	18	19.80	19.80	19.87			
5	16QAM	25	0	19.80	19.80	19.87	20.8	0	
5	16QAM	25	6	19.80	19.80	19.87			
5	16QAM	25	18	19.80	19.80	19.87			
5	16QAM	1	0	19.70	19.74	19.89	20.8	0	
5	16QAM	1	12	19.70	19.74	19.89			
5	16QAM	1	24	19.60	19.66	19.84			
5	16QAM	12	0	19.64	19.66	19.84	20.8	0	
5	16QAM	12	6	19.64	19.66	19.84			
5	16QAM	12	18	19.64	19.66	19.84			
5	16QAM	25	0	19.67	19.68	19.82	20.8	0	
5	16QAM	25	6	19.67	19.68	19.82			
5	16QAM	25	18	19.67	19.68	19.82			

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-sp [sec]	MPN (dB)	
Channel				42150	42550	42950			
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	22.4	0	
20	QPSK	50	48	22.26	22.20	22.16			
20	QPSK	50	96	22.15	22.18	22.18			
20	QPSK	100	0	22.11	22.15	22.13	22.4	0	
20	QPSK	100	48	22.21	22.22	22.15			
20	QPSK	100	96	22.20	22.21	22.05			
20	16QAM	1	0	22.20	22.21	22.05	22.4	0	
20	16QAM	1	48	22.21	22.16	22.02			
20	16QAM	1	96	22.10	22.14	22.17			
20	16QAM	50	0	22.14	22.14	22.17	21.4	1	
20	16QAM	50							
20	16QAM	50	48	22.25	22.20	22.15	22.4	2	
20	16QAM	50	96	22.15	22.18	22.15			
20	16QAM	100	0	22.11	22.15	22.13			
Channel				42150	42550	42950			
Frequency (MHz)									
15	QPSK	1	0	21.82	21.82	21.85	21.4	0	
15	QPSK	1	37	22.02	22.02	22.00			
15	QPSK	1	75	22.02	22.02	22.07			
15	QPSK	36	0	21.82	22.02	21.87	21.4	0	
15	QPSK	36	37	22.02	22.02	22.07			
15	QPSK	36	75	22.02	22.03	22.09			
15	QPSK	75	0	21.86	22.01	21.89	21.4	0	
15	QPSK	75	37	21.97	22.01	21.92			
15	QPSK	75	75	21.97	22.01	22.02			
15	16QAM	1	0	21.82	21.86	21.88	21.4	0	
15	16QAM	1	37	22.02	22.02	22.00			
15	16QAM	1	75	22.02	22.02	22.07			
15	16QAM	36	0	21.86	22.01	21.82	21.4	0	
15	16QAM	36	37	22.02	22.02	22.07			
15	16QAM	36	75	22.02	22.03	22.09			
15	16QAM	75	0	21.86	22.01	21.85	21.4	0	
15	16QAM	75	37	22.02	22.02	22.07			
15	16QAM	75	75	22.02	22.03	22.09			
Channel				42150	42550	42950			
Frequency (MHz)									
10	QPSK	1	0	22.05	22.13	22.06	22.4	0	
10	QPSK	1	25	22.07	22.18	22.07			
10	QPSK	1	50	22.07	22.14	22.07			
10	QPSK	25	0	22.05	22.14	22.07	22.4	0	
10	QPSK	25	25	22.07	22.10	22.05			
10	QPSK	25	50	22.06	22.11	22.05			
10	QPSK	50	0	21.98	22.02	22.00	21.4	0	
10	QPSK	50	25	22.08	22.03	22.03			
10	QPSK	50	50	22.07	22.08	22.03			
10	16QAM	1	0	22.07	22.15	22.06	21.4	0	
10	16QAM	1	25	22.07	22.19	22.06			
10	16QAM	1	50	22.07	22.11	22.03			
10	16QAM	25	0	22.05	22.14	22.05	21.4	0	
10	16QAM	25	25	22.07	22.04	22.05			
10	16QAM	25	50	22.06	22.09	22.05			
10	16QAM	50	0	21.98	22.07	22.02	21.4	0	
10	16QAM	50	25	22.08	22.03	22.03			
10	16QAM	50	50	22.07	22.08	22.03			
10	16QAM	100	0	21.98	22.07	22.02	21.4	0	
10	16QAM	100	25	22.08	22.03	22.03			
10	16QAM	100	50	22.07	22.08	22.03			
10	16QAM	200	0	21.98	22.07	22.02	21.4	0	
10	16QAM	200	25	22.08	22.03	22.03			
10	16QAM	200	50	22.07	22.08	22.03			
10	16QAM	400	0	21.98	22.07	22.02	21.4	0	
10	16QAM	400	25	22.08	22.03	22.03			
10	16QAM	400	50	22.07	22.08	22.03			
10	16QAM	800	0	21.98	22.07	22.02	21.4	0	
10	16QAM	800	25	22.08	22.03	22.03			
10	16QAM	800	50	22.07	22.08	22.03			
10	16QAM	1600	0	21.98	22.07	22.02	21.4	0	
10	16QAM	1600	25	22.08	22.03	22.03			
10	16QAM	1600	50	22.07	22.08	22.03			
10	16QAM	3200	0	21.98	22.07	22.02	21.4	0	
10	16QAM	3200	25	22.08	22.03	22.03			
10	16QAM	3200	50	22.07	22.08	22.03			
10	16QAM	6400	0	21.98	22.07	22.02	21.4	0	
10	16QAM	6400	25	22.08	22.03	22.03			
10	16QAM	6400	50	22.07	22.08	22.03			
10	16QAM	12800	0	21.98	22.07	22.02	21.4	0	
10	16QAM	12800	25	22.08	22.03	22.03			
10	16QAM	12800	50	22.07	22.08	22.03			
10	16QAM	25600	0	21.98	22.07	22.02	21.4	0	
10	16QAM	25600	25	22.08	22.03	22.03			
10	16QAM	25600	50	22.07	22.08	22.03			
10	16QAM	51200	0	21.98	22.07	22.02	21.4	0	
10	16QAM	51200	25	22.08	22.03	22.03			
10	16QAM	51200	50	22.07	22.08	22.03			
10	16QAM	102400	0	21.98	22.07	22.02	21.4	0	
10	16QAM	102400	25	22.08	22.03	22.03			
10	16QAM	102400	50	22.07	22.08	22.03			
10	16QAM	204800	0	21.98	22.07	22.02	21.4	0	
10	16QAM	204800	25	22.08	22.03	22.03			
10	16QAM	204800	50	22.07	22.08	22.03			
10	16QAM	409600	0	21.98	22.07	22.02	21.4	0	
10	16QAM	409600	25	22.08	22.03	22.03			
10	16QAM	409600	50	22.07	22.08	22.03			
10	16QAM	819200	0	21.98	22.07	22.02	21.4	0	
10	16QAM	819200	25	22.08	22.03	22.03			
10	16QAM	819200	50	22.07	22.08	22.03			
10	16QAM	1638400	0	21.98	22.07	22.02	21.4	0	
10	16QAM	1638400	25	22.08	22.03	22.03			
10	16QAM	1638400	50	22.07	22.08	22.03			
10	16QAM	3276800	0	21.98	22.07	22.02	21.4	0	
10	16QAM	3276800	25	22.08	22.03	22.03			
10	16QAM	3276800	50	22.07	22.08	22.03			
10	16QAM	6553600	0	21.98	22.07	22.02	21.4	0	
10	16QAM	6553600	25	22.08	22.03	22.03			
10	16QAM	6553600	50	22.07	22.08	22.03			
10	16QAM	13107200	0	21.98	22.07	22.02	21.4	0	
10	16QAM	13107200	25	22.08	22.03	22.03			
10	16QAM	13107200	50	22.07	22.08	22.03			
10	16QAM	26214400	0	21.98	22.07	22.02	21.4	0	
10	16QAM	26214400	25	22.08	22.03	22.03			
10	16QAM	26214400	50	22.07	22.08	22.03			
10	16QAM	52428800	0	21.98	22.07	22.02	21.4	0	
10	16QAM	52428800	25	22.08	22.03	22.03			
10	16QAM	52428800	50	22.07	22.08	22.03			
10	16QAM	104857600	0	21.98	22.07	22.02	21.4	0	
10	16QAM	104857600	25	22.08	22.03	22.03			
10	16QAM	104857600	50	22.07	22.08	22.03			
10	16QAM	209715200	0	21.98	22.07	22.02	21.4	0	
10	16QAM	209715200	25	22.08	22.03	22.03			
10	16QAM	209715200	50	22.07	22.08	22.03			
10	16QAM	419430400	0	21.98	22.07	22.02	21.4	0	
10	16QAM	419430400	25	22.08	22.03	22.03			
10	16QAM	419430400	50	22.07	22.08	22.03			
10	16QAM	838860800	0	21.98	22.07	22.02	21.4	0	
10	16QAM	838860800	25	22.08	22.03	22.03			
10	16QAM	838860800	50	22.07	22.08	22.03			
10	16QAM	1677721600	0	21.98	22.07	22.02	21.4	0	
10	16QAM	1677721600	25	22.08	22.03	22.03			
10	16QAM	1677721600	50	22.07	22.08	22.03			
10	16QAM	3355443200	0	21.98	22.07	22.02	21.4	0	
10	16QAM	3355443200	25	22.08	22.03	22.03			
10	16QAM	3355443200	50	22.07	22.08	22.03			
10	16QAM	6710886400	0	21.98	22.07	22.02	21.4	0	
10	16QAM	6710886400	25	22.08	22.03	22.03			
10	16QAM	6710886400	50	22.07	22.08	22.03			
10	16QAM	13421772800	0	21.98	22.07	22.02	21.4	0	
10	16QAM	13421772800	25	22.08	22.03	22.03			
10	16QAM	13421772800	50	22.07	22.08	22.03			
10	16QAM	26843545600	0	21.98	22.07	22.02	21.4	0	
10	16QAM	26843545600	25	22.08	22.03	22.03			
10	16QAM	26843545600	50	22.07	22.08	22.03			
10	16QAM	53687091200	0	21.98	22.07	22.02	21.4	0	
10	16QAM	53687091200	25	22.08	22.03	22.03			
10	16QAM	53687091200	50	22.07	22.08	22.03			
10	16QAM	107374182400	0	21.98	22.07	22.02	21.4	0	
10	16QAM	107374182400	25	22.08	22.03	22.03			
10	16QAM	107374182400	50	22.07	22.08	22.03			
10	16QAM	214748364800	0	21.98	22.07	22.02	21.4	0	
10	16QAM	214748364800	25	22.08	22.03	22.03			
10	16QAM	214748364800	50	22.07	22.08	22.03			
10	16QAM	429496729600	0	21.98	22.07	22.02	21.4	0	
10	16QAM	429496729600	25	22.08	22.03	22.03			
10	16QAM	429496729600	50	22.07	22.08	22.03			
10	16QAM	858993459200	0	21.98	22.07	22.02	21.4	0	
10	16QAM	858993459200	25	22.08	22.03	22.03			
10	16QAM	858993459200	50	22.07	22.08	22.03			
10	16QAM	1717986918400	0	21.98	22.07	22.02	21.4	0	
10	16QAM	1717986918400	25	22.08	22.03	22.03			
10	16QAM	1717986918400	50	22.07					

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)	LPIs (dB)	
Channel				42150	42550	42550			
Frequency (MHz)									
10	QPSK	1	0	10.89	10.81	10.70		17.5	0
20	QPSK	1	40	10.82	10.80	10.71			
20	QPSK	30	0	10.75	10.87	10.80			
20	QPSK	50	0	10.69	10.89	10.74			
20	QPSK	30	24	10.88	10.80	10.73			
20	QPSK	50	50	10.81	10.79	10.70			
20	QPSK	100	0	10.84	10.80	10.70			
20	REGAM	1	0	10.82	10.76	10.68			
20	REGAM	1	40	10.80	10.83	10.69			
20	REGAM	30	0	10.74	10.84	10.78			
20	REGAM	50	0	10.77	10.71	10.60			
20	REGAM	50	24	10.70	10.89	10.81		17.5	0
20	REGAM	50	50	10.72	10.80	10.81			
20	REGAM	100	0	10.73	10.67	10.60			
20	REGAM	1	0	10.83	10.77	10.68			
20	REGAM	1	40	10.87	10.56	10.40			
20	REGAM	1	99	10.83	10.45	10.38			
20	REGAM	30	0	10.87	10.80	10.75			
20	REGAM	50	24	10.80	10.79	10.72			
20	REGAM	50	50	10.79	10.74	10.71			
20	REGAM	100	0	10.80	10.70	10.71			
Channel				42165	42550	43015	Time-to-Settling (ms)	LPIs (dB)	
Frequency (MHz)									
10	QPSK	1	0	10.89	10.82	10.48		17.5	0
10	QPSK	1	37	10.87	10.79	10.47			
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			
10	QPSK	30	50	10.83	10.80	10.48			
10	QPSK	75	0	10.80	10.74	10.31			
10	REGAM	1	0	10.84	10.50	10.44			
10	REGAM	1	37	10.83	10.58	10.33			
10	REGAM	1	74	10.80	10.52	10.40			
10	REGAM	30	0	10.53	10.30	10.42			
10	REGAM	30	24	10.58	10.45	10.40		17.5	0
10	REGAM	30	50	10.54	10.53	10.38			
10	REGAM	75	0	10.53	10.58	10.38			
10	REGAM	1	0	10.44	10.38	10.38			
10	REGAM	1	37	10.49	10.36	10.23			
10	REGAM	1	74	10.41	10.28	10.20			
10	REGAM	30	0	10.70	10.58	10.58			
10	REGAM	30	24	10.81	10.81	10.48			
10	REGAM	30	50	10.80	10.54	10.30			
10	REGAM	75	0	10.80	10.53	10.48			
Channel				42160	42550	43060	Time-to-Settling (ms)	LPIs (dB)	
Frequency (MHz)									
10	QPSK	1	0	10.83	10.88	10.57		17.5	0
10	QPSK	1	25	10.72	10.88	10.49			
10	QPSK	1	40	10.87	10.42	10.40			
10	QPSK	20	0	10.84	10.76	10.59			
10	QPSK	20	12	10.81	10.83	10.64			
10	QPSK	20	20	10.80	10.49	10.40			
10	QPSK	50	0	10.84	10.80	10.51			
10	REGAM	1	0	10.70	10.59	10.52			
10	REGAM	1	20	10.82	10.80	10.46			
10	REGAM	1	40	10.81	10.83	10.20			
10	REGAM	20	0	10.57	10.59	10.50			
10	REGAM	20	12	10.51	10.48	10.42		17.5	0
10	REGAM	20	20	10.51	10.46	10.40			
10	REGAM	50	0	10.81	10.82	10.50			
10	REGAM	1	0	10.40	10.37	10.20			
10	REGAM	1	20	10.52	10.40	10.30			
10	REGAM	1	40	10.34	10.20	10.24			
10	REGAM	20	0	10.80	10.81	10.57			
10	REGAM	20	12	10.84	10.57	10.54			
10	REGAM	20	20	10.81	10.53	10.50			
10	REGAM	50	0	10.81	10.82	10.50			
Channel				42185	42560	43085	Time-to-Settling (ms)	LPIs (dB)	
Frequency (MHz)									
5	QPSK	1	0	10.82	10.57	10.50		17.5	0
5	QPSK	1	12	10.70	10.71	10.40			
5	QPSK	1	24	10.80	10.50	10.40			
5	QPSK	12	0	10.74	10.86	10.82			
5	QPSK	10	1	10.80	10.80	10.81			
5	QPSK	10	13	10.80	10.80	10.58			
5	QPSK	20	0	10.80	10.70	10.40			
5	REGAM	1	0	10.50	10.50	10.40			
5	REGAM	1	12	10.80	10.83	10.43			
5	REGAM	1	24	10.50	10.40	10.30			
5	REGAM	10	0	10.59	10.40	10.31		17.5	0
5	REGAM	10	7	10.82	10.40	10.30			
5	REGAM	10	10	10.47	10.54	10.40			
5	REGAM	20	0	10.50	10.49	10.39			
5	REGAM	1	0	10.40	10.40	10.30			
5	REGAM	1	10	10.49	10.40	10.20			
5	REGAM	1	24	10.41	10.20	10.20			
5	REGAM	10	0	10.74	10.50	10.50			
5	REGAM	10	7	10.71	10.57	10.47			
5	REGAM	20	10	10.50	10.50	10.47			
5	REGAM	20	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 on		Duty Cycle %		
		Arit 7		Arit 7		Arit 7		Arit 7		Arit 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 %
				Arit 7	Arit 7	Arit 7	Arit 7	Arit 7	Arit 7	Arit 7	
5.2GHz 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
			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
	Mode	Channel	38	5190	12.67	14.50	11.61	13.50	10.50	12.67	14.50
			46	5230	18.72	18.50	11.70	13.50	10.50	15.72	17.50
			802.11n-HT40 MCS0							12.67	14.50
			802.11ac-VHT80 MCS0	42	5210	10.57	12.50	10.57	12.50	10.57	12.50
						8.68	10.50	8.18	10.00	10.57	12.50

				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 %
				Arit 7	Arit 7	Arit 7	Arit 7	Arit 7	Arit 7	Arit 7	
5.3GHz 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
			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
	Mode	Channel	54	5270	18.68	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
			802.11n-HT40 MCS0							12.15	14.00
			802.11ac-VHT80 MCS0	58	5290	10.13	12.00	10.13	12.00	10.13	12.00
						8.74	10.50	8.11	10.00	10.13	12.00

				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 %
				Arit 7	Arit 7	Arit 7	Arit 7	Arit 7	Arit 7	Arit 7	
5.5GHz 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
			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	18.50	13.50	10.50	10.00	17.50	18.00
	Mode	Channel	140	5700	12.69	14.50	13.50	10.50	10.00	14.50	14.50
			106	5530	11.23	13.00	8.67	10.50	8.10	10.00	11.23
			802.11n-VHT80 MCS0							11.23	13.00
			122	5610	15.76	17.50	11.76	13.50	8.69	10.50	8.16
										15.76	17.50

				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 %
				Arit 7	Arit 7	Arit 7	Arit 7	Arit 7	Arit 7	Arit 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	Required	16.00
			802.11ac-VHT80 MCS0	155	5775	18.77	18.50	11.63	13.50	8.71	10.50



<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