

Full&Default Power Mode

GSM850 Ant 0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	125	169	251		125	169	251	
TX Channel	824.2	836.4	848.8	33.50	824.2	836.4	848.8	24.50
Frequency (MHz)	31.72	31.95	31.90	33.50	22.72	22.95	22.90	24.50
GSM 1 Tx slot	31.70	31.93	31.88	33.50	22.70	22.93	22.88	24.50
GPRS 2 Tx slots	30.87	30.95	30.91	32.00	24.87	24.95	24.91	26.00
GPRS 3 Tx slots	28.94	29.13	29.09	30.00	24.68	24.87	24.83	25.74
GPRS 4 Tx slots	27.86	27.88	27.84	29.00	24.86	24.88	24.84	26.00

Band		WCDMA V Ant 0			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	24.00
Frequency (MHz)		826.4	836.4	846.6	
SCPP Rel 99	RMC 12.2Kbps	22.57	22.58	22.51	24.00



Band 5 Ant 0									
BW [MHz]	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			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	22.34	22.48	22.17	24	0	
10	QPSK	1	25	22.18	22.26	22.23			
10	QPSK	1	49	22.41	22.27	22.10			
10	QPSK	25	0	21.36	21.39	21.31	23	1	
10	QPSK	25	12	21.36	21.21	21.35			
10	QPSK	25	25	21.16	21.22	21.15			
10	QPSK	50	0	21.18	21.27	21.24			

Band 17 Ant 0									
BW [MHz]	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			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	22.23	22.31	22.23	24	0	
10	QPSK	1	25	22.11	22.12	22.19			
10	QPSK	1	49	22.13	22.30	22.09			
10	QPSK	25	0	21.18	21.27	21.18	23	1	
10	QPSK	25	12	21.08	21.09	21.25			
10	QPSK	25	25	21.19	21.13	21.05			
10	QPSK	50	0	21.11	21.25	21.06			

Band 12 Ant 0									
BW [MHz]	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	22.24	22.32	22.31	24	0	
10	QPSK	1	25	22.19	22.17	22.22			
10	QPSK	1	49	22.16	22.29	22.10			
10	QPSK	25	0	21.29	21.35	21.27	23	1	
10	QPSK	25	12	21.19	21.16	21.19			
10	QPSK	25	25	21.12	21.28	21.13			
10	QPSK	50	0	21.32	21.33	21.16			

Band 26 Ant 0									
BW [MHz]	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			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	22.50	22.57	22.27	24	0	
15	QPSK	1	37	22.24	22.42	22.29			
15	QPSK	1	74	22.40	22.35	22.35			
15	QPSK	36	0	21.43	21.50	21.44	23	1	
15	QPSK	36	20	21.39	21.45	21.46			
15	QPSK	36	39	21.37	21.27	21.35			
15	QPSK	75	0	21.41	21.46	21.42			

Band 13 Ant 0								
BW [MHz]	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		22.57			
10	QPSK	1	25		22.36			
10	QPSK	1	49		22.43			
10	QPSK	25	0		21.53		23	1
10	QPSK	25	12		21.22			
10	QPSK	25	25		21.29			
10	QPSK	50	0		21.48			

GSM1900 Ant.1		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	1860	1907.6		1850.2	1860	1907.6	
GSM 1 Tx slot		28.59	29.00	29.02	30.50	19.99	20.08	20.02	21.50
GPRS 1 Tx slot		28.96	29.05	29.01	30.50	19.96	20.05	20.01	21.50
GPRS 2 Tx slots		28.11	28.19	28.19	29.50	22.11	22.19	22.19	23.50
GPRS 3 Tx slots		26.19	26.23	26.23	27.50	21.93	21.97	21.97	23.24
GPRS 4 Tx slots		25.23	25.29	25.26	26.50	22.23	22.29	22.26	23.50

Band		WCDMA II Ant.1			Tune-up Limit (dBm)	WCDMA IV Ant.1			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	RAC 12.2Kbps	22.58	22.68	22.66	24.00	22.52	22.54	22.46	24.00

Band 2 Ant 1

BW [MHz]	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	18800	19100	24	0
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	22.23	22.30	22.26	23	1
20	QPSK	1	49	22.15	22.25	22.20		
20	QPSK	1	99	22.22	22.06	22.10		
20	QPSK	50	0	21.25	21.28	21.16		
20	QPSK	50	24	21.21	21.21	21.16		
20	QPSK	50	50	21.22	21.18	21.19		
20	QPSK	100	0	21.11	21.16	21.14		

Band 25 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26140	26340	26590	24	0
Frequency (MHz)				1860	1880	1905		
20	QPSK	1	0	22.32	22.37	22.23	23	1
20	QPSK	1	49	22.18	22.25	22.16		
20	QPSK	1	99	22.27	22.14	22.17		
20	QPSK	50	0	21.27	21.38	21.24		
20	QPSK	50	24	21.24	21.22	21.33		
20	QPSK	50	50	21.23	21.18	21.14		
20	QPSK	100	0	21.31	21.32	21.22		

Band 4 Ant 1

BW [MHz]	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	24	0
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	22.18	22.37	22.36	23	1
20	QPSK	1	49	22.05	22.32	22.25		
20	QPSK	1	99	22.21	22.23	22.19		
20	QPSK	50	0	21.30	21.45	21.17		
20	QPSK	50	24	21.08	21.31	21.31		
20	QPSK	50	50	21.24	21.29	21.16		
20	QPSK	100	0	21.07	21.38	21.16		

Band 66 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572	24	0
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	22.33	22.42	22.28	23	1
20	QPSK	1	49	22.28	22.41	22.29		
20	QPSK	1	99	22.29	22.34	22.27		
20	QPSK	50	0	21.28	21.42	21.33		
20	QPSK	50	24	21.28	21.38	21.31		
20	QPSK	50	50	21.30	21.30	21.21		
20	QPSK	100	0	21.29	21.36	21.26		

Band 7 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350	24	0
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	22.29	22.31	22.21	23	1
20	QPSK	1	49	22.20	22.18	22.15		
20	QPSK	1	99	22.20	22.09	22.14		
20	QPSK	50	0	21.26	21.30	21.19		
20	QPSK	50	24	21.23	21.17	21.13		
20	QPSK	50	50	21.15	21.16	21.12		
20	QPSK	100	0	21.25	21.28	21.22		

Band 38 Ant 1

BW [MHz]	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	0
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	22.38	22.47	22.32		
20	QPSK	1	49	22.43	22.43	22.41	23	1
20	QPSK	1	99	22.32	22.31	22.31		
20	QPSK	50	0	21.34	21.51	21.30		
20	QPSK	50	24	21.47	21.47	21.31		
20	QPSK	50	50	21.37	21.29	21.36		
20	QPSK	100	0	21.42	21.47	21.27		
20	QPSK	100	0	21.42	21.47	21.27		

Band 41 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	24	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.42	22.47	22.49	22.40	22.43		
20	QPSK	1	49	22.41	22.51	22.48	22.43	22.37	23	1
20	QPSK	1	99	22.40	22.49	22.43	22.40	22.40		
20	QPSK	50	0	21.53	21.42	21.55	21.43	21.44		
20	QPSK	50	24	21.40	21.51	21.51	21.48	21.37		
20	QPSK	50	50	21.43	21.51	21.44	21.37	21.40		
20	QPSK	100	0	21.46	21.43	21.51	21.40	21.44		
20	QPSK	100	0	21.46	21.43	21.51	21.40	21.44		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	Ch Delta > 0.5
Channel				42190	42590	42990	24	0	0.19
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	22.31	22.39	22.27			
20	QPSK	1	49	22.22	22.33	22.20	23	1	0.31
20	QPSK	1	99	22.33	22.26	22.21			
20	QPSK	50	0	21.37	21.42	21.33			
20	QPSK	50	24	21.22	21.33	21.25			
20	QPSK	50	50	21.36	21.19	21.11			
20	QPSK	100	0	21.31	21.32	21.31			
20	QPSK	100	0	21.31	21.32	21.31			0.01

GSM850 Ant 4		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	848.6		824.2	836.4	848.6	
GSM 1 Tx slot		31.19	31.27	31.17	32.50	22.19	22.27	22.17	23.50
GPRS 1 Tx slot		31.18	31.25	31.16	32.50	22.18	22.25	22.16	23.50
GPRS 2 Tx slots		30.28	30.35	30.28	31.00	24.28	24.35	24.28	25.00
GPRS 3 Tx slots		28.39	28.46	28.40	29.00	24.13	24.20	24.14	24.74
GPRS 4 Tx slots		27.14	27.15	27.13	28.00	24.14	24.15	24.13	25.00

Band		WCDMA V Ant 4			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	RMC 12.2Kbps	22.27	22.31	22.24	23.00

Band 2 Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18800	19100	23	0
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	21.36	21.50	21.30	22	1
20	QPSK	1	49	21.22	21.31	21.39		
20	QPSK	1	99	21.28	21.43	21.27		
20	QPSK	50	0	20.40	20.48	20.43		
20	QPSK	50	24	20.25	20.36	20.31		
20	QPSK	50	50	20.27	20.30	20.34		
20	QPSK	100	0	20.37	20.43	20.39		

Band 13 Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23230			24	0
Frequency (MHz)				782				
10	QPSK	1	0		22.39		23	1
10	QPSK	1	25		22.38			
10	QPSK	1	49		22.37			
10	QPSK	25	0		21.40		23	1
10	QPSK	25	12		21.37			
10	QPSK	25	25		21.39			
10	QPSK	50	0		21.36			

Band 4 Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300	23	0
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	21.53	21.72	21.56	22	1
20	QPSK	1	49	21.52	21.54	21.49		
20	QPSK	1	99	21.57	21.66	21.43		
20	QPSK	50	0	20.52	20.77	20.56		
20	QPSK	50	24	20.48	20.56	20.42		
20	QPSK	50	50	20.45	20.54	20.51		
20	QPSK	100	0	20.47	20.67	20.56		

Band 17 Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23780	23790	23800	24	0
Frequency (MHz)				709	710	711		
10	QPSK	1	0	22.33	22.48	22.44	23	1
10	QPSK	1	25	22.37	22.42	22.37		
10	QPSK	1	49	22.45	22.36	22.46		
10	QPSK	25	0	21.47	21.50	21.40		
10	QPSK	25	12	21.27	21.38	21.31		
10	QPSK	25	25	21.27	21.34	21.35		
10	QPSK	50	0	21.37	21.48	21.25		

Band 5 Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600	23	0
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	22.09	22.15	22.13	22	1
10	QPSK	1	25	22.06	22.04	22.01		
10	QPSK	1	49	22.09	22.05	22.12		
10	QPSK	25	0	21.16	21.25	21.14		
10	QPSK	25	12	21.17	21.15	21.16		
10	QPSK	25	25	21.23	21.12	21.16		
10	QPSK	50	0	21.14	21.21	21.14		

Band 25 Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26140	26340	26590	23	0
Frequency (MHz)				1860	1880	1905		
20	QPSK	1	0	21.38	21.54	21.40	22	1
20	QPSK	1	49	21.29	21.42	21.37		
20	QPSK	1	99	21.35	21.52	21.35		
20	QPSK	50	0	20.53	20.59	20.51		
20	QPSK	50	24	20.36	20.45	20.33		
20	QPSK	50	50	20.43	20.39	20.38		
20	QPSK	100	0	20.44	20.52	20.47		

Band 7 Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350	23	0
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	21.50	21.65	21.57	23	0
20	QPSK	1	49	21.52	21.55	21.44		
20	QPSK	1	99	21.41	21.56	21.47		
20	QPSK	50	0	20.57	20.59	20.53		
20	QPSK	50	24	20.46	20.56	20.42	22	1
20	QPSK	50	50	20.45	20.53	20.48		
20	QPSK	100	0	20.53	20.57	20.52		

Band 26 Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26765	26865	26965	23	0
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	0	22.13	22.33	22.19	23	0
15	QPSK	1	37	22.21	22.20	22.23		
15	QPSK	1	74	22.27	22.19	22.13		
15	QPSK	36	0	21.34	21.37	21.35		
15	QPSK	36	20	21.23	21.25	21.27	22	1
15	QPSK	36	39	21.36	21.26	21.25		
15	QPSK	75	0	21.27	21.35	21.32		

Band 12 Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23060	23095	23130	24	0
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	22.44	22.49	22.45	24	0
10	QPSK	1	25	22.39	22.45	22.45		
10	QPSK	1	49	22.43	22.46	22.40		
10	QPSK	25	0	21.47	21.51	21.48		
10	QPSK	25	12	21.34	21.43	21.43	23	1
10	QPSK	25	25	21.36	21.45	21.48		
10	QPSK	50	0	21.43	21.50	21.47		

Band 66 Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572	23	0
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	21.67	21.81	21.65	23	0
20	QPSK	1	49	21.68	21.70	21.48		
20	QPSK	1	99	21.55	21.77	21.61		
20	QPSK	50	0	20.70	20.78	20.64		
20	QPSK	50	24	20.70	20.67	20.57	22	1
20	QPSK	50	50	20.46	20.71	20.58		
20	QPSK	100	0	20.59	20.77	20.67		

Band 38 Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150	23	0
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	21.45	21.55	21.50		
20	QPSK	1	49	21.36	21.44	21.41		
20	QPSK	1	99	21.45	21.48	21.44	22	1
20	QPSK	50	0	20.45	20.59	20.46		
20	QPSK	50	24	20.40	20.42	20.42		
20	QPSK	50	50	20.38	20.38	20.51		
20	QPSK	100	0	20.42	20.50	20.41		

Band 41 Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	23	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	21.59	21.56	21.62	21.53	21.52		
20	QPSK	1	49	21.49	21.51	21.56	21.54	21.61		
20	QPSK	1	99	21.50	21.60	21.59	21.59	21.61	22	1
20	QPSK	50	0	20.66	20.57	20.68	20.62	20.57		
20	QPSK	50	24	20.49	20.50	20.61	20.48	20.55		
20	QPSK	50	50	20.48	20.55	20.59	20.62	20.67		
20	QPSK	100	0	20.50	20.55	20.59	20.57	20.58		

Reduced Power Mode for ECI 2

GSM900 Ant 0 ECI2	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	125	169	251		125	169	251	
TX Channel	824.2	836.4	848.8	33.50	824.2	836.4	848.8	24.50
Frequency (MHz)	31.72	31.95	31.90	33.50	22.72	22.95	22.90	24.50
GSM 1 Tx slot	31.70	31.93	31.88	33.50	22.70	22.93	22.88	24.50
GPRS 2 Tx slots	30.87	30.95	30.91	32.00	24.87	24.95	24.91	26.00
GPRS 3 Tx slots	28.94	29.13	29.09	30.00	24.68	24.87	24.83	25.74
GPRS 4 Tx slots	27.86	27.88	27.84	29.00	24.86	24.88	24.84	26.00

Band		WCDMA V Ant 0 ECI2			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	24.00
Frequency (MHz)		826.4	836.4	846.6	
SCPP Rel 99	RMC 12.2Kbps	22.57	22.58	22.51	24.00



Band 5 Ant 0 ECI2									
BW [MHz]	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			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	22.34	22.48	22.17	24	0	
10	QPSK	1	25	22.18	22.26	22.23			
10	QPSK	1	49	22.41	22.27	22.10			
10	QPSK	25	0	21.36	21.39	21.31	23	1	
10	QPSK	25	12	21.36	21.21	21.35			
10	QPSK	25	25	21.16	21.22	21.15			
10	QPSK	50	0	21.18	21.27	21.24			

Band 17 Ant 0 ECI2									
BW [MHz]	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			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	22.23	22.31	22.23	24	0	
10	QPSK	1	25	22.11	22.12	22.19			
10	QPSK	1	49	22.13	22.30	22.09			
10	QPSK	25	0	21.18	21.27	21.18	23	1	
10	QPSK	25	12	21.08	21.09	21.25			
10	QPSK	25	25	21.19	21.13	21.05			
10	QPSK	50	0	21.11	21.25	21.06			

Band 12 Ant 0 ECI2									
BW [MHz]	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	22.24	22.32	22.31	24	0	
10	QPSK	1	25	22.19	22.17	22.22			
10	QPSK	1	49	22.16	22.29	22.10			
10	QPSK	25	0	21.29	21.35	21.27	23	1	
10	QPSK	25	12	21.19	21.16	21.19			
10	QPSK	25	25	21.12	21.28	21.13			
10	QPSK	50	0	21.32	21.33	21.16			

Band 26 Ant 0 ECI2									
BW [MHz]	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			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	22.50	22.57	22.27	24	0	
15	QPSK	1	37	22.24	22.42	22.29			
15	QPSK	1	74	22.40	22.35	22.35			
15	QPSK	36	0	21.43	21.50	21.44	23	1	
15	QPSK	36	20	21.39	21.45	21.46			
15	QPSK	36	39	21.37	21.27	21.35			
15	QPSK	75	0	21.41	21.46	21.42			

Band 13 Ant 0 ECI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23240	23230	23230			
Frequency (MHz)				782	782	782			
10	QPSK	1	0		22.57		24	0	
10	QPSK	1	25		22.36				
10	QPSK	1	49		22.43				
10	QPSK	25	0		21.53		23	1	
10	QPSK	25	12		21.22				
10	QPSK	25	25		21.29				
10	QPSK	50	0		21.48				

GSM1900 Ant 1 EC12		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	1860	1907.6	(dBm)	1850.2	1860	1907.6	
GSM 1 Tx slot		28.59	29.00	29.02		19.99	20.08	20.02	21.50
GPRS 1 Tx slot		28.96	29.05	29.01	30.50	19.96	20.05	20.01	21.50
GPRS 2 Tx slots		28.11	28.19	28.19	29.50	22.11	22.19	22.19	23.50
GPRS 3 Tx slots		26.19	26.23	26.23	27.50	21.93	21.97	21.97	23.24
GPRS 4 Tx slots		25.23	25.29	25.26	26.50	22.23	22.29	22.26	23.50

Band		WCDMA II Ant 1 EC12			Tune-up Limit (dBm)	WCDMA IV Ant 1 EC12			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938	(dBm)	1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	RMC 12.2Kbps	22.58	22.68	22.66	24.00	22.52	22.54	22.46	24.00

Band 2 Ant 1 ECI2

BW [MHz]	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	18800	19100	24	0
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	22.23	22.30	22.26	23	1
20	QPSK	1	49	22.15	22.25	22.20		
20	QPSK	1	99	22.22	22.06	22.10		
20	QPSK	50	0	21.25	21.28	21.16		
20	QPSK	50	24	21.21	21.21	21.16		
20	QPSK	50	50	21.22	21.18	21.19		
20	QPSK	100	0	21.11	21.16	21.14		

Band 25 Ant 1 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26140	26340	26590	24	0
Frequency (MHz)				1860	1880	1905		
20	QPSK	1	0	22.32	22.37	22.23	23	1
20	QPSK	1	49	22.18	22.25	22.16		
20	QPSK	1	99	22.27	22.14	22.17		
20	QPSK	50	0	21.27	21.38	21.24		
20	QPSK	50	24	21.24	21.22	21.33		
20	QPSK	50	50	21.23	21.18	21.14		
20	QPSK	100	0	21.31	21.32	21.22		

Band 4 Ant 1 ECI2

BW [MHz]	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	24	0
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	22.18	22.37	22.36	23	1
20	QPSK	1	49	22.05	22.32	22.25		
20	QPSK	1	99	22.21	22.23	22.19		
20	QPSK	50	0	21.30	21.45	21.17		
20	QPSK	50	24	21.08	21.31	21.31		
20	QPSK	50	50	21.24	21.29	21.16		
20	QPSK	100	0	21.07	21.38	21.16		

Band 66 Ant 1 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572	24	0
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	22.33	22.42	22.28	23	1
20	QPSK	1	49	22.28	22.41	22.29		
20	QPSK	1	99	22.29	22.34	22.27		
20	QPSK	50	0	21.28	21.42	21.33		
20	QPSK	50	24	21.28	21.38	21.31		
20	QPSK	50	50	21.30	21.30	21.21		
20	QPSK	100	0	21.29	21.36	21.26		

Band 7 Ant 1 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350	24	0
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	22.29	22.31	22.21	23	1
20	QPSK	1	49	22.20	22.18	22.15		
20	QPSK	1	99	22.20	22.09	22.14		
20	QPSK	50	0	21.26	21.30	21.19		
20	QPSK	50	24	21.23	21.17	21.13		
20	QPSK	50	50	21.15	21.16	21.12		
20	QPSK	100	0	21.25	21.28	21.22		

Band 38 Ant 1 EC12

BW [MHz]	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	0
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	22.38	22.47	22.32		
20	QPSK	1	49	22.43	22.43	22.41	23	1
20	QPSK	1	99	22.32	22.31	22.31		
20	QPSK	50	0	21.34	21.51	21.30		
20	QPSK	50	24	21.47	21.47	21.31		
20	QPSK	50	50	21.37	21.29	21.36		
20	QPSK	100	0	21.42	21.47	21.27		

Band 41 Ant 1 EC12

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	24	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.42	22.47	22.49	22.40	22.43		
20	QPSK	1	49	22.41	22.51	22.48	22.43	22.37	23	1
20	QPSK	1	99	22.40	22.49	22.43	22.40	22.40		
20	QPSK	50	0	21.53	21.42	21.55	21.43	21.44		
20	QPSK	50	24	21.40	21.51	21.51	21.48	21.37		
20	QPSK	50	50	21.43	21.51	21.44	21.37	21.40		
20	QPSK	100	0	21.46	21.43	21.51	21.40	21.44		

Band 42 FCC Part27Q Ant 3 EC12

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990	16	0
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	15.01	15.02	14.98		
20	QPSK	1	49	14.85	14.83	14.78	16	0
20	QPSK	1	99	14.87	14.79	14.76		
20	QPSK	50	0	14.95	14.98	14.85		
20	QPSK	50	24	14.77	14.91	14.89	16	0
20	QPSK	50	50	14.87	14.86	14.72		
20	QPSK	100	0	14.91	14.95	14.82		

GSM850 Ant 4 EC12		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	835.4	848.6		824.2	835.4	848.6	
GSM 1 Tx slot		31.30	31.29	31.26	32.50	22.30	22.29	22.26	23.50
GPRS 1 Tx slot		31.25	31.21	31.17	32.50	22.25	22.21	22.17	23.50
GPRS 2 Tx slots		28.78	28.81	28.69	29.50	22.78	22.81	22.69	23.50
GPRS 3 Tx slots		27.04	27.12	27.06	27.70	22.78	22.86	22.80	23.44
GPRS 4 Tx slots		25.53	25.57	25.50	26.50	22.53	22.57	22.50	23.50

Band		WCDMA V Ant 4 EC12			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		825.4	836.4	846.6	
3GPP Rel 99	RMC 12.2Kbps	21.48	21.50	21.48	22.40



Band 2 Ant 4 ECI2									
BW [MHz]	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	18800	19100			
Frequency (MHz)				1860	1880	1900			
20	QPSK	1	0	16.65	16.67	16.60	17.7	0	
20	QPSK	1	49	16.51	16.54	16.53			
20	QPSK	1	99	16.49	16.60	16.44			
20	QPSK	50	0	16.57	16.66	16.63	17.7	0	
20	QPSK	50	24	16.52	16.58	16.50			
20	QPSK	50	50	16.42	16.52	16.56			
20	QPSK	100	0	16.62	16.63	16.57			

Band 13 Ant 4 ECI2								
BW [MHz]	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		21.44		22.6	0
10	QPSK	1	25		21.31			
10	QPSK	1	49		21.40			
10	QPSK	25	0		21.43		22.6	0
10	QPSK	25	12		21.29			
10	QPSK	25	25		21.39			
10	QPSK	50	0		21.37			

Band 4 Ant 4 ECI2									
BW [MHz]	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	17.03	17.07	17.00	18.1	0	
20	QPSK	1	49	16.95	16.93	16.94			
20	QPSK	1	99	16.95	16.97	16.87			
20	QPSK	50	0	16.92	17.05	17.01	18.1	0	
20	QPSK	50	24	16.78	16.78	16.60			
20	QPSK	50	50	16.72	16.74	16.73			
20	QPSK	100	0	16.74	16.99	16.85			

Band 17 Ant 4 ECI2									
BW [MHz]	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			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	21.55	21.64	21.62	22.6	0	
10	QPSK	1	25	21.62	21.59	21.55			
10	QPSK	1	49	21.59	21.48	21.60			
10	QPSK	25	0	21.41	21.48	21.32	22.6	0	
10	QPSK	25	12	21.32	21.46	21.25			
10	QPSK	25	25	21.27	21.26	21.41			
10	QPSK	50	0	21.43	21.45	21.27			

Band 5 Ant 4 ECI2									
BW [MHz]	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			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	22.09	22.15	22.13	23	0	
10	QPSK	1	25	22.06	22.04	22.01			
10	QPSK	1	49	22.09	22.05	22.12			
10	QPSK	25	0	21.16	21.25	21.14	22	1	
10	QPSK	25	12	21.17	21.15	21.16			
10	QPSK	25	25	21.23	21.12	21.16			
10	QPSK	50	0	21.14	21.21	21.14			

Band 25 Ant 4 ECI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26140	26340	26590			
Frequency (MHz)				1860	1880	1905			
20	QPSK	1	0	16.73	16.78	16.66	17.7	0	
20	QPSK	1	49	16.68	16.66	16.67			
20	QPSK	1	99	16.62	16.73	16.72			
20	QPSK	50	0	16.71	16.75	16.64	17.7	0	
20	QPSK	50	24	16.57	16.69	16.54			
20	QPSK	50	50	16.66	16.58	16.53			
20	QPSK	100	0	16.59	16.68	16.63			

Band 7 Ant 4 ECI2								
BW [MHz]	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	18.9	0
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	18.01	18.05	18.02		
20	QPSK	1	49	17.95	18.01	17.88	18.9	0
20	QPSK	1	99	17.95	18.00	17.96		
20	QPSK	50	0	18.01	18.04	17.99		
20	QPSK	50	24	17.88	18.02	17.90		
20	QPSK	50	50	17.85	17.98	17.87		
20	QPSK	100	0	18.00	18.02	17.98		

Band 26 Ant 4 ECI2								
BW [MHz]	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	23	0
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	0	22.13	22.33	22.19		
15	QPSK	1	37	22.21	22.20	22.23	22	1
15	QPSK	1	74	22.27	22.19	22.13		
15	QPSK	36	0	21.34	21.37	21.35		
15	QPSK	36	20	21.23	21.25	21.27		
15	QPSK	36	39	21.36	21.26	21.25		
15	QPSK	75	0	21.27	21.35	21.32		

Band 12 Ant 4 ECI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23060	23095	23130	22.6	0
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	21.71	21.74	21.68		
10	QPSK	1	25	21.66	21.64	21.61	22.6	0
10	QPSK	1	49	21.64	21.67	21.59		
10	QPSK	25	0	21.64	21.65	21.61		
10	QPSK	25	12	21.38	21.52	21.38		
10	QPSK	25	25	21.40	21.47	21.51		
10	QPSK	50	0	21.42	21.60	21.48		

Band 66 Ant 4 ECI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572	18.1	0
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	17.13	17.17	17.10		
20	QPSK	1	49	17.03	17.11	16.95	18.1	0
20	QPSK	1	99	17.10	17.14	17.01		
20	QPSK	50	0	17.11	17.15	17.09		
20	QPSK	50	24	16.92	16.95	16.89		
20	QPSK	50	50	16.76	17.05	16.89		
20	QPSK	100	0	16.84	17.11	16.98		

Band 38 Ant 4 EC12									
BW [MHz]	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			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	18.52	18.59	18.54	19.7	0	
20	QPSK	1	49	18.37	18.38	18.35			
20	QPSK	1	99	18.44	18.44	18.41			
20	QPSK	50	0	18.51	18.55	18.49	19.7	0	
20	QPSK	50	24	18.46	18.46	18.24			
20	QPSK	50	50	18.53	18.45	18.42			
20	QPSK	100	0	18.39	18.51	18.44			

Band 41 Ant 4 ECI2											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620	41055	41490			
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	18.54	18.56	18.63	18.53	18.54	19.7	0	
20	QPSK	1	49	18.43	18.48	18.51	18.49	18.49			
20	QPSK	1	99	18.51	18.50	18.50	18.52	18.41			
20	QPSK	50	0	18.45	18.57	18.60	18.47	18.47	19.7	0	
20	QPSK	50	24	18.48	18.46	18.50	18.34	18.44			
20	QPSK	50	50	18.48	18.56	18.50	18.45	18.46			
20	QPSK	100	0	18.48	18.43	18.59	18.54	18.38			

Reduced Power Mode for ECI 3

GSM900 Ant 0 ECI3	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	128	169	251		128	169	251	
TX Channel	824.2	836.4	848.8	33.50	824.2	836.4	848.8	24.50
Frequency (MHz)	31.80	31.95	31.86	33.50	22.80	22.95	22.86	24.50
GSM 1 Tx slot	31.78	31.89	31.85	33.50	22.78	22.89	22.85	24.50
GPRS 2 Tx slots	30.06	30.10	29.99	31.10	24.06	24.10	23.99	25.10
GPRS 3 Tx slots	28.48	28.51	28.56	29.30	24.22	24.25	24.30	25.04
GPRS 4 Tx slots	26.81	26.85	26.79	28.10	23.81	23.85	23.79	25.10

Band		WCDMA V Ant 0 ECI3			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	24.00
Frequency (MHz)		826.4	836.4	846.6	
SCPP Rel 99	RMC 12.2Kbps	22.57	22.58	22.51	24.00



Band 5 Ant 0 ECI3									
BW [MHz]	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			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	22.34	22.48	22.17	24	0	
10	QPSK	1	25	22.18	22.26	22.23			
10	QPSK	1	49	22.41	22.27	22.10			
10	QPSK	25	0	21.36	21.39	21.31	23	1	
10	QPSK	25	12	21.36	21.21	21.35			
10	QPSK	25	25	21.16	21.22	21.15			
10	QPSK	50	0	21.18	21.27	21.24			

Band 17 Ant 0 ECI3									
BW [MHz]	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			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	22.23	22.31	22.23	24	0	
10	QPSK	1	25	22.11	22.12	22.19			
10	QPSK	1	49	22.13	22.30	22.09			
10	QPSK	25	0	21.18	21.27	21.18	23	1	
10	QPSK	25	12	21.08	21.09	21.25			
10	QPSK	25	25	21.19	21.13	21.05			
10	QPSK	50	0	21.11	21.25	21.06			

Band 12 Ant 0 ECI3									
BW [MHz]	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	22.24	22.32	22.31	24	0	
10	QPSK	1	25	22.19	22.17	22.22			
10	QPSK	1	49	22.16	22.29	22.10			
10	QPSK	25	0	21.29	21.35	21.27	23	1	
10	QPSK	25	12	21.19	21.16	21.19			
10	QPSK	25	25	21.12	21.28	21.13			
10	QPSK	50	0	21.32	21.33	21.16			

Band 26 Ant 0 ECI3									
BW [MHz]	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			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	22.50	22.57	22.27	24	0	
15	QPSK	1	37	22.24	22.42	22.29			
15	QPSK	1	74	22.40	22.35	22.35			
15	QPSK	36	0	21.43	21.50	21.44	23	1	
15	QPSK	36	20	21.39	21.45	21.46			
15	QPSK	36	39	21.37	21.27	21.35			
15	QPSK	75	0	21.41	21.46	21.42			

Band 13 Ant 0 ECI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23240	23230	23230			
Frequency (MHz)				782	782	782			
10	QPSK	1	0		22.57		24	0	
10	QPSK	1	25		22.36				
10	QPSK	1	49		22.43				
10	QPSK	25	0		21.53		23	1	
10	QPSK	25	12		21.22				
10	QPSK	25	25		21.29				
10	QPSK	50	0		21.48				

GSM1900 Ant 1 EC13		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	1860	1907.6	(dBm)	1850.2	1860	1907.6	
GSM 1 Tx slot		28.59	29.00	29.02		19.99	20.08	20.02	21.50
GPRS 1 Tx slot		28.96	29.05	29.01	30.50	19.96	20.05	20.01	21.50
GPRS 2 Tx slots		28.11	28.19	28.19	29.50	22.11	22.19	22.19	23.50
GPRS 3 Tx slots		26.19	26.23	26.23	27.50	21.93	21.97	21.97	23.24
GPRS 4 Tx slots		25.23	25.29	25.26	26.50	22.23	22.29	22.26	23.50

Band		WCDMA II Ant 1 EC13			Tune-up Limit (dBm)	WCDMA IV Ant 1 EC13			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938	(dBm)	1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	RMC 12.2Kbps	20.42	20.53	20.48	21.60	20.33	20.46	20.30	21.30



Band 2 Ant 1 ECI3								
BW [MHz]	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	18800	19100	21.8	0
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	20.65	20.71	20.63		
20	QPSK	1	49	20.62	20.66	20.58	21.8	0
20	QPSK	1	99	20.63	20.49	20.52		
20	QPSK	50	0	20.67	20.69	20.66		
20	QPSK	50	24	20.53	20.65	20.57		
20	QPSK	50	50	20.67	20.63	20.52		
20	QPSK	100	0	20.63	20.68	20.57		

Band 25 Ant 1 ECI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26140	26340	26590	21.8	0
Frequency (MHz)				1860	1880	1905		
20	QPSK	1	0	20.79	20.83	20.81		
20	QPSK	1	49	20.60	20.73	20.64	21.8	0
20	QPSK	1	99	20.76	20.60	20.60		
20	QPSK	50	0	20.74	20.81	20.78		
20	QPSK	50	24	20.69	20.66	20.74		
20	QPSK	50	50	20.73	20.65	20.52		
20	QPSK	100	0	20.76	20.78	20.63		

Band 4 Ant 1 ECI3								
BW [MHz]	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	22.2	0
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	21.22	21.42	21.40		
20	QPSK	1	49	21.11	21.36	21.34	22.2	0
20	QPSK	1	99	21.12	21.31	21.19		
20	QPSK	50	0	21.23	21.35	21.24		
20	QPSK	50	24	21.18	21.30	21.31		
20	QPSK	50	50	21.32	21.31	21.23		
20	QPSK	100	0	21.21	21.31	21.21		

Band 66 Ant 1 ECI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572	22.2	0
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	21.45	21.52	21.47		
20	QPSK	1	49	21.36	21.50	21.44	22.2	0
20	QPSK	1	99	21.45	21.51	21.43		
20	QPSK	50	0	21.32	21.48	21.46		
20	QPSK	50	24	21.29	21.40	21.35		
20	QPSK	50	50	21.31	21.29	21.24		
20	QPSK	100	0	21.37	21.43	21.41		

Band 7 Ant 1 ECI3								
BW [MHz]	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	21.6	0
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	20.74	20.76	20.68		
20	QPSK	1	49	20.57	20.56	20.46	21.6	0
20	QPSK	1	99	20.63	20.48	20.48		
20	QPSK	50	0	20.71	20.75	20.68		
20	QPSK	50	24	20.57	20.63	20.50		
20	QPSK	50	50	20.61	20.50	20.56		
20	QPSK	100	0	20.64	20.71	20.63		

Band 38 Ant 1 ECI3

BW [MHz]	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	22.8	0
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	21.46	21.56	21.53		
20	QPSK	1	49	21.35	21.49	21.38	22.8	0
20	QPSK	1	99	21.32	21.28	21.32		
20	QPSK	50	0	21.46	21.52	21.48		
20	QPSK	50	24	21.41	21.38	21.40	22.8	0
20	QPSK	50	50	21.41	21.33	21.38		
20	QPSK	100	0	21.43	21.48	21.39		

Band 41 Ant 1 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	22.8	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	21.52	21.53	21.58	21.52	21.49		
20	QPSK	1	49	21.47	21.45	21.47	21.41	21.43	22.8	0
20	QPSK	1	99	21.46	21.44	21.38	21.40	21.45		
20	QPSK	50	0	21.49	21.48	21.55	21.52	21.53		
20	QPSK	50	24	21.43	21.42	21.39	21.42	21.48	22.8	0
20	QPSK	50	50	21.42	21.50	21.46	21.37	21.49		
20	QPSK	100	0	21.38	21.47	21.52	21.45	21.45		

Band 42 FCC Part27Q Ant 3 ECI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540	19.6	0
20	QPSK	1	0	18.36	18.39	18.31		
20	QPSK	1	49	18.26	18.36	18.29		
20	QPSK	1	99	18.23	18.25	18.15	19.6	0
20	QPSK	50	0	18.36	18.37	18.34		
20	QPSK	50	24	18.23	18.31	18.20		
20	QPSK	50	50	18.32	18.23	18.17		
20	QPSK	100	0	18.29	18.32	18.26		

GSM850 Ant 4 EC13		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	848.6		824.2	836.4	848.6	
GSM 1 Tx slot		31.19	31.27	31.17	32.50	22.19	22.27	22.17	23.50
GPRS 1 Tx slot		31.18	31.25	31.16	32.50	22.18	22.25	22.16	23.50
GPRS 2 Tx slots		30.28	30.35	30.28	31.00	24.28	24.35	24.28	25.00
GPRS 3 Tx slots		28.39	28.46	28.40	29.00	24.13	24.20	24.14	24.74
GPRS 4 Tx slots		27.14	27.17	27.13	28.00	24.14	24.17	24.13	25.00

Band		WCDMA V Ant 4 EC13			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	RMC 12.2Kbps	22.27	22.31	22.24	23.00

Band 2 Ant 4 ECI3

8W [MHz]	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	18800	19100	17.7	0
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	16.65	16.67	16.60		
20	QPSK	1	49	16.51	16.54	16.53	17.7	0
20	QPSK	1	99	16.49	16.60	16.44		
20	QPSK	50	0	16.57	16.66	16.63		
20	QPSK	50	24	16.52	16.68	16.50		
20	QPSK	50	50	16.42	16.52	16.56		
20	QPSK	100	0	16.62	16.63	16.57		

Band 13 Ant 4 ECI3

BW [MHz]	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	0
Frequency (MHz)				782				
10	QPSK	1	0		22.43			
10	QPSK	1	25		22.38		23	1
10	QPSK	1	49		22.37			
10	QPSK	25	0		21.40			
10	QPSK	25	12		21.37			
10	QPSK	25	25		21.39			
10	QPSK	50	0		21.36			

Band 4 Ant 4 ECI3

8W [MHz]	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	16.7	0
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	15.56	15.60	15.53		
20	QPSK	1	49	15.48	15.57	15.53	16.7	0
20	QPSK	1	99	15.59	15.53	15.56		
20	QPSK	50	0	15.44	15.58	15.53		
20	QPSK	50	24	15.53	15.55	15.35		
20	QPSK	50	50	15.80	15.57	15.37		
20	QPSK	100	0	15.44	15.55	15.46		

Band 17 Ant 4 ECI3

8W [MHz]	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	0
Frequency (MHz)				709	710	711		
10	QPSK	1	0	22.33	22.48	22.44		
10	QPSK	1	25	22.37	22.42	22.37	23	1
10	QPSK	1	49	22.45	22.36	22.46		
10	QPSK	25	0	21.47	21.50	21.40		
10	QPSK	25	12	21.27	21.38	21.31		
10	QPSK	25	25	21.27	21.34	21.35		
10	QPSK	50	0	21.37	21.48	21.25		

Band 5 Ant 4 ECI3

8W [MHz]	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	23	0
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	22.09	22.15	22.13		
10	QPSK	1	25	22.06	22.04	22.01	22	1
10	QPSK	1	49	22.09	22.05	22.12		
10	QPSK	25	0	21.16	21.25	21.14		
10	QPSK	25	12	21.17	21.15	21.16		
10	QPSK	25	25	21.23	21.12	21.16		
10	QPSK	50	0	21.14	21.21	21.14		

Band 25 Ant 4 ECI3

8W [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26140	26340	26590	17.7	0
Frequency (MHz)				1860	1880	1905		
20	QPSK	1	0	16.73	16.78	16.66		
20	QPSK	1	49	16.68	16.66	16.67	17.7	0
20	QPSK	1	99	16.62	16.73	16.72		
20	QPSK	50	0	16.71	16.75	16.64		
20	QPSK	50	24	16.57	16.69	16.54		
20	QPSK	50	50	16.66	16.58	16.53		
20	QPSK	100	0	16.59	16.68	16.63		

Band 7 Ant 4 ECI3								
BW [MHz]	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	18.1	0
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	17.06	17.17	17.08		
20	QPSK	1	49	16.92	17.03	16.97	18.1	0
20	QPSK	1	99	16.97	17.04	16.99		
20	QPSK	50	0	17.05	17.11	17.08		
20	QPSK	50	24	17.04	17.09	16.79		
20	QPSK	50	50	16.94	17.03	16.86		
20	QPSK	100	0	16.99	17.06	17.01		
20	QPSK							

Band 26 Ant 4 ECI3								
BW [MHz]	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	23	0
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	0	22.13	22.33	22.19		
15	QPSK	1	37	22.21	22.20	22.23	22	1
15	QPSK	1	74	22.27	22.19	22.13		
15	QPSK	36	0	21.34	21.37	21.35		
15	QPSK	36	20	21.23	21.25	21.27		
15	QPSK	36	39	21.36	21.26	21.25		
15	QPSK	75	0	21.27	21.35	21.32		
15	QPSK							

Band 12 Ant 4 ECI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23060	23095	23130	24	0
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	22.44	22.48	22.45		
10	QPSK	1	25	22.39	22.45	22.45	23	1
10	QPSK	1	49	22.43	22.46	22.40		
10	QPSK	25	0	21.47	21.51	21.48		
10	QPSK	25	12	21.34	21.43	21.43		
10	QPSK	25	25	21.36	21.45	21.48		
10	QPSK	50	0	21.43	21.50	21.47		
10	QPSK							

Band 66 Ant 4 ECI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572	16.7	0
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	15.65	15.70	15.67		
20	QPSK	1	49	15.55	15.56	15.55	16.7	0
20	QPSK	1	99	15.60	15.57	15.54		
20	QPSK	50	0	15.64	15.67	15.61		
20	QPSK	50	24	15.52	15.63	15.52		
20	QPSK	50	50	15.62	15.60	15.54		
20	QPSK	100	0	15.46	15.63	15.58		
20	QPSK							

Band 38 Ant 4 ECI3

BW [MHz]	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	19.3	0
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	18.17	18.20	18.14		
20	QPSK	1	49	17.95	18.03	18.00		
20	QPSK	1	99	18.08	17.96	18.05	19.3	0
20	QPSK	50	0	18.14	18.16	18.13		
20	QPSK	50	24	18.11	18.05	18.03		
20	QPSK	50	50	17.99	18.08	17.95		
20	QPSK	100	0	18.07	18.11	17.96		

Band 41 Ant 4 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	19.3	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	18.20	18.22	18.24	18.18	18.17		
20	QPSK	1	49	18.15	18.09	18.12	18.01	18.13		
20	QPSK	1	99	18.02	18.16	18.11	18.14	18.08	19.3	0
20	QPSK	50	0	18.16	18.19	18.22	18.20	18.18		
20	QPSK	50	24	18.17	18.21	18.17	18.05	18.14		
20	QPSK	50	50	18.12	18.10	18.13	18.01	18.13		
20	QPSK	100	0	18.14	18.14	18.16	18.04	18.04		

Reduced Power Mode for ECI 6

GSM900 Ant 0 ECI6	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	128	169	251		128	169	251	
TX Channel	824.2	836.4	848.8	33.50	824.2	836.4	848.8	24.50
Frequency (MHz)	31.72	31.95	31.90	33.50	22.72	22.95	22.90	24.50
GSM 1 Tx slot	31.70	31.93	31.88	33.50	22.70	22.93	22.88	24.50
GPRS 2 Tx slots	30.87	30.95	30.91	32.00	24.87	24.95	24.91	26.00
GPRS 3 Tx slots	28.94	29.13	29.09	30.00	24.68	24.87	24.83	25.74
GPRS 4 Tx slots	27.86	27.88	27.84	29.00	24.86	24.88	24.84	26.00

Band		WCDMA V Ant 0 ECI6			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	Tune-up Limit (dBm)
Frequency (MHz)		826.4	836.4	846.6	
SCPP Rel 99	RMC 12.2Kbps	22.57	22.58	22.51	24.00



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			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	22.34	22.48	22.17	24	0	
10	QPSK	1	25	22.18	22.26	22.23			
10	QPSK	1	49	22.41	22.27	22.10			
10	QPSK	25	0	21.36	21.39	21.31	23	1	
10	QPSK	25	12	21.36	21.21	21.35			
10	QPSK	25	25	21.16	21.22	21.15			
10	QPSK	50	0	21.18	21.27	21.24			

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			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	22.23	22.31	22.23	24	0	
10	QPSK	1	25	22.11	22.12	22.19			
10	QPSK	1	49	22.13	22.30	22.09			
10	QPSK	25	0	21.18	21.27	21.18	23	1	
10	QPSK	25	12	21.08	21.09	21.25			
10	QPSK	25	25	21.19	21.13	21.05			
10	QPSK	50	0	21.11	21.25	21.06			

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	22.24	22.32	22.31	24	0	
10	QPSK	1	25	22.19	22.17	22.22			
10	QPSK	1	49	22.16	22.29	22.10			
10	QPSK	25	0	21.29	21.35	21.27	23	1	
10	QPSK	25	12	21.19	21.16	21.19			
10	QPSK	25	25	21.12	21.28	21.13			
10	QPSK	50	0	21.32	21.33	21.16			

Band 26 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				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	22.50	22.57	22.27	24	0	
15	QPSK	1	37	22.24	22.42	22.29			
15	QPSK	1	74	22.40	22.35	22.35			
15	QPSK	36	0	21.43	21.50	21.44	23	1	
15	QPSK	36	20	21.39	21.45	21.46			
15	QPSK	36	39	21.37	21.27	21.35			
15	QPSK	75	0	21.41	21.46	21.42			

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				23240	23230	23230			
Frequency (MHz)				782	782	782			
10	QPSK	1	0		22.57		24	0	
10	QPSK	1	25		22.36				
10	QPSK	1	49		22.43				
10	QPSK	25	0		21.53		23	1	
10	QPSK	25	12		21.22				
10	QPSK	25	25		21.29				
10	QPSK	50	0		21.48				

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	1860	1907.6		1850.2	1860	1907.6	
GSM 1 Tx slot		28.59	29.00	29.02	30.50	19.99	20.08	20.02	21.50
GPRS 1 Tx slot		28.96	29.05	29.01	30.50	19.96	20.05	20.01	21.50
GPRS 2 Tx slots		28.11	28.19	28.19	29.50	22.11	22.19	22.19	23.50
GPRS 3 Tx slots		26.19	26.23	26.23	27.50	21.93	21.97	21.97	23.24
GPRS 4 Tx slots		25.23	25.29	25.26	26.50	22.23	22.29	22.26	23.50

Band		WCDMA II Ant 1 EC16			Tune-up Limit (dBm)	WCDMA IV Ant 1 EC16			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	RAC 12.2Kbps	21.50	21.53	21.52	22.70	21.39	21.44	21.42	22.30



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	18800	19100	22.6	0
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	21.23	21.31	21.28		
20	QPSK	1	49	21.03	21.15	21.15	22.6	0
20	QPSK	1	99	21.22	21.01	21.03		
20	QPSK	50	0	21.23	21.29	21.26		
20	QPSK	50	24	21.16	21.10	21.17		
20	QPSK	50	50	21.21	21.21	21.03		
20	QPSK	100	0	21.19	21.25	21.23		

Band 25 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				26140	26340	26590	22.6	0
Frequency (MHz)				1860	1880	1905		
20	QPSK	1	0	21.32	21.37	21.35		
20	QPSK	1	49	21.16	21.31	21.23	22.6	0
20	QPSK	1	99	21.22	21.18	21.12		
20	QPSK	50	0	21.29	21.35	21.20		
20	QPSK	50	24	21.22	21.24	21.29		
20	QPSK	50	50	21.27	21.14	21.12		
20	QPSK	100	0	21.31	21.33	21.20		

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	22.7	0
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	21.22	21.42	21.40		
20	QPSK	1	49	21.11	21.36	21.34	22.7	0
20	QPSK	1	99	21.12	21.31	21.19		
20	QPSK	50	0	21.23	21.35	21.24		
20	QPSK	50	24	21.18	21.30	21.31		
20	QPSK	50	50	21.32	21.31	21.23		
20	QPSK	100	0	21.21	21.31	21.21		

Band 66 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				132072	132322	132572	22.7	0
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	21.45	21.52	21.48		
20	QPSK	1	49	21.36	21.50	21.44	22.7	0
20	QPSK	1	99	21.45	21.51	21.43		
20	QPSK	50	0	21.32	21.48	21.46		
20	QPSK	50	24	21.29	21.40	21.35		
20	QPSK	50	50	21.31	21.29	21.24		
20	QPSK	100	0	21.37	21.43	21.41		

Band 7 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				20850	21100	21350	22.1	0
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	21.12	21.15	21.09		
20	QPSK	1	49	21.10	21.12	21.10	22.1	0
20	QPSK	1	99	21.07	21.05	21.11		
20	QPSK	50	0	21.06	21.14	21.01		
20	QPSK	50	24	20.98	20.98	20.87		
20	QPSK	50	50	20.93	21.02	20.97		
20	QPSK	100	0	21.07	21.12	21.10		

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	22.3	0
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	21.00	21.05	21.02		
20	QPSK	1	49	20.98	21.03	20.87	22.3	0
20	QPSK	1	99	20.87	20.94	20.92		
20	QPSK	50	0	20.96	21.04	21.01		
20	QPSK	50	24	21.01	21.03	20.94		
20	QPSK	50	50	21.01	20.93	20.89		
20	QPSK	100	0	21.01	21.03	20.85		

Band 41 Ant 1 ECI6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	22.3	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	21.06	21.00	21.07	21.03	21.01		
20	QPSK	1	49	20.96	21.07	21.05	20.92	21.01	22.3	0
20	QPSK	1	99	20.86	20.97	21.01	20.94	20.92		
20	QPSK	50	0	20.93	21.02	21.05	20.97	20.96		
20	QPSK	50	24	21.01	20.98	20.97	21.00	20.94		
20	QPSK	50	50	21.03	20.95	20.93	21.00	20.94		
20	QPSK	100	0	20.95	20.89	21.03	20.94	21.02		

Band 42 FCC Part27Q Ant 3 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				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	22.12	22.13	22.01		
20	QPSK	1	49	21.91	22.00	21.92	22.9	0
20	QPSK	1	99	22.03	21.94	21.85		
20	QPSK	50	0	22.06	22.11	22.03		
20	QPSK	50	24	22.03	21.96	21.94	22.9	0
20	QPSK	50	50	21.95	21.84	21.84		
20	QPSK	100	0	22.01	22.08	22.00		



Band 5 Ant 4							
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			
Freq. (MHz)		829	836.5	844			
1	0	22.09	22.15	22.13	23	0	
1	25	22.06	22.04	22.01			
1	49	22.09	22.05	22.12			
25	0	21.16	21.25	21.14	22	1	
25	12	21.17	21.15	21.16			
25	25	21.23	21.12	21.16			
50	0	21.14	21.21	21.14			

Band 25 Ant 4 ECI6							
RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel		26140	26340	26590	19	0	
Frequency (MHz)		1860	1880	1905			
1	0	17.83	17.94	17.84			
1	49	17.61	17.79	17.85	19	0	
1	99	17.82	17.90	17.76			
50	0	17.88	17.93	17.91			
50	24	17.80	17.91	17.73			
50	50	17.79	17.80	17.77			
100	0	17.81	17.90	17.83			

Band 7 Ant 4 ECI6									
B/W [MHz]	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	18.6	0	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	17.87	17.92	17.80			
20	QPSK	1	49	17.83	17.82	17.65	18.6	0	
20	QPSK	1	99	17.66	17.73	17.75			
20	QPSK	50	0	17.80	17.88	17.83			
20	QPSK	50	24	17.80	17.82	17.64			
20	QPSK	50	50	17.78	17.75	17.77			
20	QPSK	100	0	17.72	17.79	17.74			

Band 26 Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965	23	0	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	22.13	22.33	22.19			
15	QPSK	1	37	22.21	22.20	22.23	22	1	
15	QPSK	1	74	22.27	22.19	22.13			
15	QPSK	36	0	21.34	21.37	21.35			
15	QPSK	36	20	21.23	21.25	21.27			
15	QPSK	36	39	21.36	21.26	21.25			
15	QPSK	75	0	21.27	21.35	21.32			

Band 12 Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23060	23095	23130	24	0	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	22.44	22.49	22.45			
10	QPSK	1	25	22.39	22.45	22.45	23	1	
10	QPSK	1	49	22.43	22.46	22.40			
10	QPSK	25	0	21.47	21.51	21.48			
10	QPSK	25	12	21.34	21.43	21.43			
10	QPSK	25	25	21.36	21.45	21.48			
10	QPSK	50	0	21.43	21.50	21.47			

Band 66 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				132072	132322	132572	20.6	0	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	19.49	19.62	19.35			
20	QPSK	1	49	19.35	19.60	19.32	20.6	0	
20	QPSK	1	99	19.44	19.54	19.38			
20	QPSK	50	0	19.54	19.58	19.52			
20	QPSK	50	24	19.51	19.39	19.39			
20	QPSK	50	50	19.27	19.50	19.41			
20	QPSK	100	0	19.54	19.56	19.51			



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			
Frequency (MHz)				2580	2595	2610	20.1	0	
20	QPSK	1	0	18.73	18.89	18.84			
20	QPSK	1	49	18.66	18.83	18.67			
20	QPSK	1	99	18.68	18.76	18.75			
20	QPSK	50	0	18.71	18.85	18.73			
20	QPSK	50	24	18.69	18.80	18.67	20.1	0	
20	QPSK	50	50	18.69	18.82	18.67			
20	QPSK	100	0	18.73	18.75	18.71			

Band 41 Ant 4 ECI6											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620	41055	41490			
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	20.1	0	
20	QPSK	1	0	19.04	19.03	19.08	18.99	18.98			
20	QPSK	1	49	18.90	18.86	18.99	18.93	18.94			
20	QPSK	1	99	18.95	18.97	18.94	18.94	18.90			
20	QPSK	50	0	18.98	19.00	19.06	19.01	19.01			
20	QPSK	50	24	18.82	18.93	19.00	18.90	18.98	20.1	0	
20	QPSK	50	50	18.91	18.91	18.91	18.97	18.99			
20	QPSK	100	0	19.00	18.96	19.03	18.97	18.94			

Reduced Power Mode for ECI 7

	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	128	169	251		128	169	251	
TX Channel	824.2	836.4	848.8	33.50	824.2	836.4	848.8	24.50
Frequency (MHz)	31.80	31.95	31.86	33.50	22.80	22.95	22.86	24.50
GSM 1 Tx slot	31.78	31.89	31.85	33.50	22.78	22.89	22.85	24.50
GPRS 2 Tx slots	30.06	30.10	29.99	31.10	24.06	24.10	23.99	25.10
GPRS 3 Tx slots	28.48	28.51	28.56	29.30	24.22	24.25	24.30	25.04
GPRS 4 Tx slots	26.81	26.85	26.79	28.10	23.81	23.85	23.79	25.10

Band		WCDMA V Ant 0			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	Tune-up Limit (dBm)
Frequency (MHz)		826.4	836.4	846.6	
SGPP Rel 99	RMC 12.2Kbps	22.57	22.58	22.51	24.00



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			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	22.34	22.48	22.17	24	0	
10	QPSK	1	25	22.18	22.26	22.23			
10	QPSK	1	49	22.41	22.27	22.10			
10	QPSK	25	0	21.36	21.39	21.31	23	1	
10	QPSK	25	12	21.36	21.21	21.35			
10	QPSK	25	25	21.16	21.22	21.15			
10	QPSK	50	0	21.18	21.27	21.24			

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			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	22.23	22.31	22.23	24	0	
10	QPSK	1	25	22.11	22.12	22.19			
10	QPSK	1	49	22.13	22.30	22.09			
10	QPSK	25	0	21.18	21.27	21.18	23	1	
10	QPSK	25	12	21.08	21.09	21.25			
10	QPSK	25	25	21.19	21.13	21.05			
10	QPSK	50	0	21.11	21.25	21.06			

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	22.24	22.32	22.31	24	0	
10	QPSK	1	25	22.19	22.17	22.22			
10	QPSK	1	49	22.16	22.29	22.10			
10	QPSK	25	0	21.29	21.35	21.27	23	1	
10	QPSK	25	12	21.19	21.16	21.19			
10	QPSK	25	25	21.12	21.28	21.13			
10	QPSK	50	0	21.32	21.33	21.16			

Band 26 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				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	22.50	22.57	22.27	24	0	
15	QPSK	1	37	22.24	22.42	22.29			
15	QPSK	1	74	22.40	22.35	22.35			
15	QPSK	36	0	21.43	21.50	21.44	23	1	
15	QPSK	36	20	21.39	21.45	21.46			
15	QPSK	36	39	21.37	21.27	21.35			
15	QPSK	75	0	21.41	21.46	21.42			

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				23240	23230	23230			
Frequency (MHz)				782	782	782			
10	QPSK	1	0		22.57		24	0	
10	QPSK	1	25		22.36				
10	QPSK	1	49		22.43				
10	QPSK	25	0		21.53		23	1	
10	QPSK	25	12		21.22				
10	QPSK	25	25		21.29				
10	QPSK	50	0		21.48				

GSM1900 Ant 1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1860	1903.8	1850.2	1860	1869.8		
Frequency (MHz)	29.02	29.05	29.03	30.50	20.02	20.05	20.03	21.50
GSM 1 Tx slot	29.00	29.04	29.01	30.50	20.00	20.04	20.01	21.50
GPRS 1 Tx slot	26.20	26.26	26.22	27.70	20.20	20.26	20.22	21.70
GPRS 2 Tx slots	24.39	24.46	24.38	25.90	20.13	20.20	20.12	21.64
GPRS 3 Tx slots	23.63	23.65	23.57	24.70	20.63	20.65	20.57	21.70
GPRS 4 Tx slots								

Band		WCDMA II Ant 1 ECI7			Tune-up Limit (dBm)	WCDMA IV Ant 1 ECI7			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	RAC 12.2Kbps	19.01	19.04	18.96	20.10	18.80	18.95	18.90	20.30



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	18800	19100	19.5	0
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	18.27	18.33	18.14	19.5	0
20	QPSK	1	49	18.13	18.25	18.07		
20	QPSK	1	99	18.16	18.11	18.12		
20	QPSK	50	0	18.23	18.32	18.22		
20	QPSK	50	24	18.17	18.15	18.11		
20	QPSK	50	50	18.25	18.08	18.11	19.5	0
20	QPSK	100	0	18.29	18.30	18.26		

Band 25 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				26140	26340	26590	19.5	0
Frequency (MHz)				1860	1880	1905		
20	QPSK	1	0	18.27	18.40	18.25	19.5	0
20	QPSK	1	49	18.16	18.35	18.18		
20	QPSK	1	99	18.24	18.15	18.13		
20	QPSK	50	0	18.23	18.34	18.22		
20	QPSK	50	24	18.19	18.24	18.28		
20	QPSK	50	50	18.24	18.19	18.05	19.5	0
20	QPSK	100	0	18.25	18.31	18.12		

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	19.7	0
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	18.30	18.49	18.47	19.7	0
20	QPSK	1	49	18.23	18.41	18.34		
20	QPSK	1	99	18.21	18.39	18.33		
20	QPSK	50	0	18.30	18.46	18.36		
20	QPSK	50	24	18.23	18.36	18.37		
20	QPSK	50	50	18.42	18.37	18.32	19.7	0
20	QPSK	100	0	18.26	18.42	18.34		

Band 66 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				132072	132322	132572	19.7	0
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	18.39	18.56	18.46	19.7	0
20	QPSK	1	49	18.41	18.43	18.39		
20	QPSK	1	99	18.40	18.39	18.37		
20	QPSK	50	0	18.48	18.51	18.42		
20	QPSK	50	24	18.44	18.49	18.39		
20	QPSK	50	50	18.48	18.41	18.34	19.7	0
20	QPSK	100	0	18.38	18.46	18.38		

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	19.8	0
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	18.64	18.70	18.65	19.8	0
20	QPSK	1	49	18.52	18.58	18.59		
20	QPSK	1	99	18.61	18.45	18.55		
20	QPSK	50	0	18.66	18.68	18.65		
20	QPSK	50	24	18.65	18.61	18.61		
20	QPSK	50	50	18.58	18.51	18.58	19.8	0
20	QPSK	100	0	18.60	18.65	18.56		

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	21.7	0
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	20.41	20.61	20.43		
20	QPSK	1	49	20.59	20.58	20.42	21.7	0
20	QPSK	1	99	20.39	20.53	20.45		
20	QPSK	50	0	20.46	20.59	20.38		
20	QPSK	50	24	20.55	20.51	20.35		
20	QPSK	50	50	20.44	20.42	20.49		
20	QPSK	100	0	20.53	20.56	20.29		

Band 41 Ant 1 ECI7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	21.7	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	20.56	20.49	20.67	20.55	20.63		
20	QPSK	1	49	20.57	20.53	20.59	20.51	20.49	21.7	0
20	QPSK	1	99	20.45	20.53	20.54	20.46	20.57		
20	QPSK	50	0	20.50	20.61	20.64	20.53	20.55		
20	QPSK	50	24	20.51	20.50	20.61	20.55	20.52		
20	QPSK	50	50	20.57	20.47	20.60	20.52	20.36		
20	QPSK	100	0	20.52	20.59	20.62	20.56	20.51		

Band 42 FCC Part27Q Ant 3 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				42190	42590	42990	17	0
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	15.97	16.09	15.91		
20	QPSK	1	49	15.80	15.86	15.87		
20	QPSK	1	99	15.83	15.88	15.80	17	0
20	QPSK	50	0	15.94	16.02	15.95		
20	QPSK	50	24	15.82	15.89	15.87		
20	QPSK	50	50	15.85	15.77	15.79		
20	QPSK	100	0	15.88	15.90	15.84		

GSM850 Ant 4	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.6		824.2	836.4	848.6	
GSM 1 Tx slot	31.19	31.27	31.17	32.50	22.19	22.27	22.17	23.50
GPRS 1 Tx slot	31.18	31.25	31.16	32.50	22.18	22.25	22.16	23.50
GPRS 2 Tx slots	30.28	30.35	30.28	31.00	24.28	24.35	24.28	25.00
GPRS 3 Tx slots	28.39	28.46	28.40	29.00	24.13	24.20	24.14	24.74
GPRS 4 Tx slots	27.14	27.15	27.13	28.00	24.14	24.15	24.13	25.00

Band		WCDMA V Ant 4			Tune-up Limit (dBm)
		4132	4182	4233	
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	RMC 12.2Kbps	21.47	21.52	21.40	22.40



Band 2 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)	< Tune-up-2	> Tune-up	Ch Delta > 0.5
Channel				18700	18800	19000	14.3	0	1.48	1.26	0.28
Frequency (MHz)				18700	18800	19000					
20	QPSK	1	0	12.84	13.04	12.86					
20	QPSK	1	49	12.83	12.88	12.80					
20	QPSK	1	99	12.78	12.87	12.76					
20	QPSK	50	0	12.90	12.96	12.92	14.3	0	1.40	1.34	0.22
20	QPSK	50	24	12.74	12.93	12.77					
20	QPSK	50	50	12.87	12.89	12.78					
20	QPSK	100	0	12.87	12.90	12.89					
20	QPSK	100	0	12.87	12.90	12.89					

Band 13 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)	< Tune-up-2	> Tune-up	Ch Delta > 0.5
Channel				23230	23230		21.7	0	1.22	1.22	0.15
Frequency (MHz)				762	20.48						
10	QPSK	1	0		20.48						
10	QPSK	1	25		20.33						
10	QPSK	1	49		20.37						
10	QPSK	25	0		20.44		21.7	0	1.38	1.36	0.14
10	QPSK	25	12		20.34						
10	QPSK	25	25		20.30						
10	QPSK	50	0		20.35						
10	QPSK	50	0		20.35						

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)	< Tune-up-2	> Tune-up	Ch Delta > 0.5
Channel				20050	20175	20300	15.3	0	1.09	1.04	0.26
Frequency (MHz)				1720	1732.5	1745					
20	QPSK	1	0	14.21	14.26	14.23					
20	QPSK	1	49	14.01	14.10	14.00					
20	QPSK	1	99	14.06	14.24	14.07					
20	QPSK	50	0	14.11	14.19	14.03	15.3	0	1.27	1.11	0.22
20	QPSK	50	24	14.08	14.09	13.98					
20	QPSK	50	50	14.03	14.15	13.97					
20	QPSK	100	0	14.03	14.16	14.11					
20	QPSK	100	0	14.03	14.16	14.11					

Band 17 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)	< Tune-up-2	> Tune-up	Ch Delta > 0.5
Channel				23780	23790	23800	21.9	0	1.23	1.19	0.26
Frequency (MHz)				709	710	711					
10	QPSK	1	0	20.68	20.71	20.67					
10	QPSK	1	25	20.60	20.65	20.45					
10	QPSK	1	49	20.51	20.50	20.60					
10	QPSK	25	0	20.60	20.59	20.56	21.9	0	1.34	1.22	0.22
10	QPSK	25	12	20.48	20.66	20.46					
10	QPSK	25	25	20.46	20.54	20.66					
10	QPSK	50	0	20.59	20.66	20.59					
10	QPSK	50	0	20.59	20.66	20.59					

Band 5 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)	< Tune-up-2	> Tune-up	Ch Delta > 0.5
Channel				20450	20525	20600	21.5	0	1.09	1.04	0.26
Frequency (MHz)				820	836.5	844					
10	QPSK	1	0	20.34	20.37	20.30					
10	QPSK	1	25	20.22	20.24	20.30					
10	QPSK	1	49	20.23	20.24	20.27					
10	QPSK	25	0	20.24	20.26	20.20	21.5	0	1.27	1.11	0.22
10	QPSK	25	12	20.17	20.23	20.11					
10	QPSK	25	25	20.19	20.18	20.12					
10	QPSK	50	0	20.10	20.20	20.11					
10	QPSK	50	0	20.10	20.20	20.11					

Band 25 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)	< Tune-up-2	> Tune-up	Ch Delta > 0.5
Channel				26140	26340	26560	14.3	0	1.44	1.30	0.22
Frequency (MHz)				1860	1860	1905					
20	QPSK	1	0	13.21	13.26	13.23					
20	QPSK	1	49	13.07	13.17	13.13					
20	QPSK	1	99	13.14	13.20	13.12					
20	QPSK	50	0	13.22	13.25	13.24	14.3	0	1.44	1.30	0.22
20	QPSK	50	24	13.08	13.21	13.05					
20	QPSK	50	50	13.07	13.15	13.16					
20	QPSK	100	0	13.20	13.22	13.19					
20	QPSK	100	0	13.20	13.22	13.19					

Band 7 Ant 4 EC17

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20650	21100	21350	16.5	0
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	15.61	15.64	15.58		
20	QPSK	1	49	15.50	15.58	15.50		
20	QPSK	1	99	15.51	15.60	15.47		
20	QPSK	50	0	15.58	15.63	15.55	16.5	
20	QPSK	50	24	15.49	15.62	15.36		
20	QPSK	50	50	15.50	15.53	15.50		
20	QPSK	100	0	15.55	15.58	15.53		

Band 26 Ant 4 EC17

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				26765	26865	26965	21.5	0		
Frequency (MHz)				821.5	831.5	841.5				
15	QPSK	1	0	20.52	20.60	20.48			21.5	0
15	QPSK	1	37	20.40	20.39	20.41				
15	QPSK	1	74	20.43	20.42	20.37				
15	QPSK	36	0	20.50	20.52	20.50				
15	QPSK	36	20	20.41	20.48	20.44	21.5	0		
15	QPSK	36	39	20.42	20.49	20.43				
15	QPSK	75	0	20.45	20.51	20.47				

Band 12 Ant 4 EC17

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23090	23095	23130	21.9	0		
Frequency (MHz)				704	707.5	711				
10	QPSK	1	0	20.71	20.73	20.69			21.9	0
10	QPSK	1	25	20.67	20.68	20.57				
10	QPSK	1	49	20.64	20.59	20.66				
10	QPSK	25	0	20.70	20.72	20.64	21.9	0		
10	QPSK	25	12	20.48	20.60	20.64				
10	QPSK	25	25	20.58	20.63	20.68				
10	QPSK	50	0	20.58	20.69	20.60				

Band 66 Ant 4 EC17

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				132072	132322	132572	15.3	0		
Frequency (MHz)				1720	1745	1770				
20	QPSK	1	0	14.27	14.30	14.24			15.3	0
20	QPSK	1	49	14.10	14.20	14.23				
20	QPSK	1	99	14.08	14.20	14.10				
20	QPSK	50	0	14.21	14.27	14.19				
20	QPSK	50	24	14.10	14.18	14.03	15.3	0		
20	QPSK	50	50	13.94	14.19	14.07				
20	QPSK	100	0	14.10	14.26	14.17				

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	18	0
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	16.82	16.87	16.85		
20	QPSK	1	49	16.63	16.73	16.65		
20	QPSK	1	99	16.75	16.76	16.83	18	0
20	QPSK	50	0	16.75	16.85	16.75		
20	QPSK	50	24	16.66	16.75	16.82		
20	QPSK	50	50	16.77	16.80	16.70		
20	QPSK	100	0	16.82	16.83	16.75		

Band 41 Ant 4 ECI7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	18	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	16.89	16.90	16.97	16.95	16.92		
20	QPSK	1	49	16.83	16.70	16.89	16.78	16.92		
20	QPSK	1	99	16.88	16.86	16.91	16.93	16.94	18	0
20	QPSK	50	0	16.82	16.89	16.96	16.85	16.87		
20	QPSK	50	24	16.77	16.75	16.86	16.81	16.84		
20	QPSK	50	50	16.74	16.81	16.81	16.90	16.85		
20	QPSK	100	0	16.84	16.91	16.93	16.87	16.82		

Full&Default Power Mode

n5 Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	22.57	22.59	22.45	24.0	0.0
20	QPSK	50	28	22.52	22.53	22.46	24.0	0.0
20	QPSK	100	0	21.53	21.59	21.42	23.0	1.0

n26 Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	QPSK	1	1	22.82	22.85	22.77	24.0	0.0
20	QPSK	50	28	22.78	22.83	22.80	24.0	0.0
20	QPSK	100	0	21.84	21.89	21.83	23.0	1.0



n38 Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	20.94	21.20	21.01		
40	QPSK	50	28	20.88	21.13	21.01	22.0	0.0
40	QPSK	100	0	20.03	20.06	20.03	21.0	1.0

n41 Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	QPSK	1	1	21.02	21.25	21.07		
100	QPSK	135	69	21.03	21.22	21.16	22.0	0.0
100	QPSK	270	0	20.12	20.20	20.19	21.0	1.0



n2 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				378000	378000	378000	24.0	0.0	
Frequency (MHz)				1870	1880	1890			
49	QPSK	1	1	22.64	22.74	22.64	24.0	0.0	
49	QPSK	108	54	22.57	22.71	22.67	24.0	0.0	
49	QPSK	216	0	21.59	21.70	21.63	23.0	1.0	

n7 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505000	507000	509000	24.0	0.0	
Frequency (MHz)				2525	2535	2545			
50	QPSK	1	1	22.46	22.53	22.45	24.0	0.0	
50	QPSK	135	68	22.38	22.44	22.43	24.0	0.0	
50	QPSK	270	0	21.56	21.58	21.52	23.0	1.0	

n66 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346500	348000	351500	24.0	0.0	
Frequency (MHz)				1732.5	1745	1757.5			
45	QPSK	1	1	22.59	22.80	22.60	24.0	0.0	
45	QPSK	120	60	22.60	22.79	22.67	24.0	0.0	
45	QPSK	240	0	21.77	21.83	21.69	23.0	1.0	



n38 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	22.49	22.71	22.52	24.0	0.0
40	QPSK	50	28	22.61	22.65	22.51	24.0	0.0
40	QPSK	100	0	21.48	21.70	21.58	23.0	1.0

n41 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	QPSK	1	1	22.69	22.81	22.75	24.0	0.0
100	QPSK	135	69	22.64	22.75	22.67	24.0	0.0
100	QPSK	270	0	21.62	21.85	21.47	23.0	1.0

n38 Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	19.01	19.02	18.82		
40	QPSK	50	28	18.77	19.00	18.69	20.0	0.0
40	QPSK	100	0	17.97	17.98	17.83	19.0	1.0

n41 Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	QPSK	1	1	19.02	19.07	18.80		
100	QPSK	135	69	18.84	18.99	18.70	20.0	0.0
100	QPSK	270	0	17.98	18.01	17.89	19.0	1.0



n2 Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374500	376000	378000	24.0	0.0
Frequency (MHz)				1870	1880	1890		
40	QPSK	1	1	22.10	22.14	22.10	24.0	0.0
40	QPSK	108	54	22.02	22.12	22.09	24.0	0.0
40	QPSK	216	0	21.12	21.18	21.14	23.0	1.0

n26 Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164500	166300	167800	24.0	0.0
Frequency (MHz)				824	831.5	839		
20	QPSK	1	1	22.87	22.85	22.72	24.0	0.0
20	QPSK	50	28	22.53	22.62	22.61	24.0	0.0
20	QPSK	100	0	21.63	21.64	21.60	23.0	1.0

n5 Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	24.0	0.0
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	22.54	22.59	22.58	24.0	0.0
20	QPSK	50	28	22.33	22.52	22.50	24.0	0.0
20	QPSK	100	0	21.42	21.50	21.45	23.0	1.0

n66 Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346500	348000	351000	24.0	0.0
Frequency (MHz)				1732.5	1745	1757.5		
45	QPSK	1	1	22.34	22.47	22.44	24.0	0.0
45	QPSK	120	60	22.35	22.40	22.39	24.0	0.0
45	QPSK	240	0	21.38	21.43	21.41	23.0	1.0

n7 Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000	23.0	0.0
Frequency (MHz)				2525	2535	2545		
50	QPSK	1	1	21.72	21.94	21.76	23.0	0.0
50	QPSK	135	68	21.84	21.91	21.82	23.0	0.0
50	QPSK	270	0	20.84	20.96	20.89	22.0	1.0



n38 Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	22.04	22.28	22.05		
40	QPSK	50	28	22.16	22.25	22.18	24.0	0.0
40	QPSK	100	0	21.15	21.30	21.16	23.0	1.0

n41 Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	QPSK	1	1	22.11	22.36	22.15		
100	QPSK	135	69	22.21	22.35	22.19	24.0	0.0
100	QPSK	270	0	21.18	21.22	21.18	23.0	1.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633332			
Frequency (MHz)					3499.98			
100	PI/2 BPSK	1	1		23.01			
100	PI/2 BPSK	1	137		23.02		24.0	0.0
100	PI/2 BPSK	1	271		22.98			
100	PI/2 BPSK	135	0		22.56		23.5	0.5
100	PI/2 BPSK	135	69		23.02		24.0	0.0
100	PI/2 BPSK	135	138		22.66		23.5	0.5
100	PI/2 BPSK	270	0		22.59			
100	QPSK	1	1		23.05			
100	QPSK	1	137		23.01		24.0	0.0
100	QPSK	1	271		23.04			
100	QPSK	135	0		22.08		23.0	1.0
100	QPSK	135	69		23.03		24.0	0.0
100	QPSK	135	138		22.12		23.0	1.0
100	QPSK	270	0		22.11			
100	16QAM	1	1		22.03		23.0	1.0
100	64QAM	1	1		20.37		21.5	2.5
100	256QAM	1	1		18.97		19.5	4.5
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	QPSK	1	1	22.96	23.01	22.84	24.0	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510		
80	QPSK	1	1	22.90	22.94	22.85	24.0	0.0
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.98		
70	QPSK	1	1	22.95	22.90	22.80	24.0	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3519.99		
60	QPSK	1	1	23.00	22.98	22.84	24.0	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	QPSK	1	1	22.97	22.96	22.75	24.0	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	QPSK	1	1	22.99	22.90	22.85	24.0	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	QPSK	1	1	22.99	22.97	22.74	24.0	0.0
Channel				630834	633332	635832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3499.98	3537.48		
25	QPSK	1	1	22.98	22.93	22.82	24.0	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	QPSK	1	1	22.87	22.90	22.72	24.0	0.0
Channel				630500	633332	636166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3499.98	3542.49		
15	QPSK	1	1	22.99	22.93	22.85	24.0	0.0
Channel				630334	633332	636332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3499.98	3544.98		
10	QPSK	1	1	22.88	22.94	22.72	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	QPSK	1	1	17.38	17.48	17.37	18.5	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510		
80	QPSK	1	1	17.36	17.43	17.47	18.5	0.0
Channel				632334	633332	634332	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.98		
70	QPSK	1	1	17.39	17.53	17.41	18.5	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3519.99		
60	QPSK	1	1	17.40	17.50	17.41	18.5	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	QPSK	1	1	17.39	17.53	17.47	18.5	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	QPSK	1	1	17.42	17.45	17.38	18.5	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	QPSK	1	1	17.38	17.47	17.35	18.5	0.0
Channel				630834	633332	635832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3499.98	3537.48		
25	QPSK	1	1	17.40	17.39	17.39	18.5	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	QPSK	1	1	17.51	17.40	17.40	18.5	0.0
Channel				630500	633332	636166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3499.98	3542.49		
15	QPSK	1	1	17.48	17.39	17.43	18.5	0.0
Channel				630334	633332	636332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3499.98	3544.98		
10	QPSK	1	1	17.36	17.48	17.46	18.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633000	633332	633666	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)
90	QPSK	1	1	17.54	17.53	17.56	18.5	0.0
Channel				632668	633332	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3499.98	3510	(dBm)	(dB)
80	QPSK	1	1	17.58	17.60	17.44	18.5	0.0
Channel				632334	633332	634332	Tune-up limit	MPR
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)	(dB)
70	QPSK	1	1	17.57	17.57	17.53	18.5	0.0
Channel				632000	633332	634666	Tune-up limit	MPR
Frequency (MHz)				3480	3499.98	3519.99	(dBm)	(dB)
60	QPSK	1	1	17.54	17.51	17.48	18.5	0.0
Channel				631668	633332	635000	Tune-up limit	MPR
Frequency (MHz)				17.57	17.62	17.43	(dBm)	(dB)
50	QPSK	1	1	17.58	17.59	17.56	18.5	0.0
Channel				631334	633332	635332	Tune-up limit	MPR
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)
40	QPSK	1	1	17.49	17.61	17.56	18.5	0.0
Channel				631000	633332	635666	Tune-up limit	MPR
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	(dB)
30	QPSK	1	1	17.49	17.55	17.55	18.5	0.0
Channel				630834	633332	635832	Tune-up limit	MPR
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)	(dB)
25	QPSK	1	1	17.53	17.52	17.41	18.5	0.0
Channel				630668	633332	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)
20	QPSK	1	1	17.60	17.49	17.51	18.5	0.0
Channel				630500	633332	636166	Tune-up limit	MPR
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)	(dB)
15	QPSK	1	1	17.48	17.64	17.40	18.5	0.0
Channel				630334	633332	636332	Tune-up limit	MPR
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)	(dB)
10	QPSK	1	1	17.44	17.62	17.53	18.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	QPSK	1	1	22.70	22.74	22.81	24.0	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510		
80	QPSK	1	1	22.71	22.72	22.77	24.0	0.0
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.98		
70	QPSK	1	1	22.69	22.82	22.77	24.0	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3519.99		
60	QPSK	1	1	22.70	22.72	22.80	24.0	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	QPSK	1	1	22.78	22.78	22.78	24.0	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	QPSK	1	1	22.70	22.81	22.75	24.0	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	QPSK	1	1	22.66	22.71	22.71	24.0	0.0
Channel				630834	633332	635832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3499.98	3537.48		
25	QPSK	1	1	22.72	22.75	22.75	24.0	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	QPSK	1	1	22.69	22.70	22.78	24.0	0.0
Channel				630500	633332	636166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3499.98	3542.49		
15	QPSK	1	1	22.78	22.78	22.76	24.0	0.0
Channel				630334	633332	636332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3499.98	3544.98		
10	QPSK	1	1	22.75	22.75	22.70	24.0	0.0

Reduced Power Mode for ECI 2

n5 Ant 0 ECI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	22.57	22.59	22.45	24.0	0.0
20	QPSK	50	28	22.52	22.53	22.46	24.0	0.0
20	QPSK	100	0	21.53	21.59	21.42	23.0	1.0

n26 Ant 0 ECI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				165800	166300	166800		
Frequency (MHz)				829	831.5	834		
20	QPSK	1	1	22.92	22.95	22.87	24.0	0.0
20	QPSK	50	28	22.88	22.93	22.90	24.0	0.0
20	QPSK	100	0	21.94	21.99	21.93	23.0	1.0

n38 Ant 0 ECI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	20.94	21.20	21.01		
40	QPSK	50	28	20.88	21.13	21.01	22.0	0.0
40	QPSK	100	0	20.03	20.06	20.03	21.0	1.0

n41 Ant 0 ECI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	QPSK	1	1	21.02	21.25	21.07		
100	QPSK	135	69	21.03	21.22	21.16	22.0	0.0
100	QPSK	270	0	20.12	20.20	20.19	21.0	1.0



n2 Ant 1 ECI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				376000	378000	378000	24.0	0.0	
Frequency (MHz)				1870	1880	1890			
49	QPSK	1	1	22.64	22.74	22.64	24.0	0.0	
49	QPSK	108	54	22.57	22.71	22.67	24.0	0.0	
49	QPSK	216	0	21.59	21.70	21.63	23.0	1.0	

n7 Ant 1 ECI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				595000	597000	599000	24.0	0.0	
Frequency (MHz)				2925	2935	2945			
50	QPSK	1	1	22.46	22.53	22.45	24.0	0.0	
50	QPSK	135	68	22.48	22.51	22.43	24.0	0.0	
50	QPSK	270	0	21.96	21.98	21.92	23.0	1.0	

n66 Ant 1 ECI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346500	348000	351500	24.0	0.0	
Frequency (MHz)				1732.5	1745	1757.5			
45	QPSK	1	1	22.59	22.80	22.60	24.0	0.0	
45	QPSK	120	60	22.60	22.79	22.67	24.0	0.0	
45	QPSK	240	0	21.77	21.83	21.69	23.0	1.0	

n38 Ant 1 ECI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	22.49	22.71	22.52		
40	QPSK	50	28	22.61	22.65	22.51	24.0	0.0
40	QPSK	100	0	21.48	21.70	21.58	23.0	1.0

n41 Ant 1 ECI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	QPSK	1	1	22.69	22.81	22.75		
100	QPSK	135	69	22.64	22.75	22.67	24.0	0.0
100	QPSK	270	0	21.62	21.85	21.47	23.0	1.0



n38 Ant 2 ECI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	18.31	18.33	18.17	19.6	0.0
40	QPSK	50	28	18.23	18.30	18.26	19.6	0.0
40	QPSK	100	0	17.77	17.88	17.82	19.0	0.6

n41 Ant 2 ECI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	QPSK	1	1	18.54	18.55	18.33	19.6	0.0
100	QPSK	135	69	18.32	18.34	18.29	19.6	0.0
100	QPSK	270	0	17.96	18.02	17.91	19.0	0.6



n2 Ant 4 ECI2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				374500	376000	378000	19.3	0.0	
Frequency (MHz)				1870	1880	1890			
40	QPSK	1	1	18.11	18.22	18.09	19.3	0.0	
40	QPSK	108	54	18.11	18.19	18.16	19.3	0.0	
40	QPSK	216	0	18.13	18.18	18.02	19.3	0.0	

n26 Ant 4 ECI2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				164800	166300	167800	23.8	0.0	
Frequency (MHz)				824	831.5	839			
20	QPSK	1	1	22.87	22.85	22.72	23.8	0.0	
20	QPSK	50	28	22.53	22.82	22.81	23.8	0.0	
20	QPSK	100	0	21.83	21.84	21.80	23.8	0.8	

n5 Ant 4 ECI2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800	23.8	0.0	
Frequency (MHz)				834	836.5	839			
20	QPSK	1	1	22.54	22.59	22.58	23.8	0.0	
20	QPSK	50	28	22.33	22.52	22.50	23.8	0.0	
20	QPSK	100	0	21.42	21.50	21.45	23.8	0.8	

n66 Ant 4 ECI2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346500	349000	351500	19.0	0.0	
Frequency (MHz)				1732.5	1745	1757.5			
45	QPSK	1	1	17.91	18.02	17.92	19.0	0.0	
45	QPSK	120	60	17.75	17.98	17.87	19.0	0.0	
45	QPSK	240	0	17.92	17.94	17.91	19.0	0.0	

n7 Ant 4 ECI2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505000	507000	509000	19.4	0.0	
Frequency (MHz)				2525	2535	2545			
50	QPSK	1	1	18.38	18.46	18.37	19.4	0.0	
50	QPSK	135	68	18.40	18.45	18.33	19.4	0.0	
50	QPSK	270	0	18.28	18.39	18.35	19.4	0.0	



n38 Ant 4 ECI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	18.66	18.79	18.77	19.7	0.0
40	QPSK	50	28	18.66	18.77	18.68	19.7	0.0
40	QPSK	100	0	18.70	18.74	18.60	19.7	0.0

n41 Ant 4 ECI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	QPSK	1	1	18.73	18.87	18.81	19.7	0.0
100	QPSK	135	69	18.77	18.83	18.80	19.7	0.0
100	QPSK	270	0	18.72	18.76	18.67	19.7	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633332			
Frequency (MHz)					3499.98			
100	PI/2 BPSK	1	1		14.51			
100	PI/2 BPSK	1	137		14.50		15.7	0.0
100	PI/2 BPSK	1	271		14.52			
100	PI/2 BPSK	135	0		14.39		15.7	0.0
100	PI/2 BPSK	135	69		14.60		15.7	0.0
100	PI/2 BPSK	135	138		14.55		15.7	0.0
100	PI/2 BPSK	270	0		14.39			
100	QPSK	1	1		14.61			
100	QPSK	1	137		14.50		15.7	0.0
100	QPSK	1	271		14.33			
100	QPSK	135	0		14.48		15.7	0.0
100	QPSK	135	69		14.59		15.7	0.0
100	QPSK	135	138		14.39		15.7	0.0
100	QPSK	270	0		14.56		15.7	0.0
100	16QAM	1	1		14.46		15.7	0.0
100	64QAM	1	1		14.50		15.7	0.0
100	256QAM	1	1		14.40		15.7	0.0
Channel				633000	633332	633666	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)
90	QPSK	1	1	14.54	14.55	14.38	15.7	0.0
Channel				632668	633332	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3499.98	3510	(dBm)	(dB)
80	QPSK	1	1	14.45	14.57	14.42	15.7	0.0
Channel				632334	633332	634332	Tune-up limit	MPR
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)	(dB)
70	QPSK	1	1	14.45	14.51	14.34	15.7	0.0
Channel				632000	633332	634666	Tune-up limit	MPR
Frequency (MHz)				3480	3499.98	3519.99	(dBm)	(dB)
60	QPSK	1	1	14.48	14.45	14.46	15.7	0.0
Channel				631668	633332	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3499.98	3525	(dBm)	(dB)
50	QPSK	1	1	14.47	14.50	14.40	15.7	0.0
Channel				631334	633332	635332	Tune-up limit	MPR
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)
40	QPSK	1	1	14.43	14.53	14.47	15.7	0.0
Channel				631000	633332	635666	Tune-up limit	MPR
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	(dB)
30	QPSK	1	1	14.47	14.47	14.39	15.7	0.0
Channel				630834	633332	635832	Tune-up limit	MPR
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)	(dB)
25	QPSK	1	1	14.47	14.53	14.42	15.7	0.0
Channel				630668	633332	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)
20	QPSK	1	1	14.50	14.55	14.35	15.7	0.0
Channel				630500	633332	636166	Tune-up limit	MPR
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)	(dB)
15	QPSK	1	1	14.53	14.46	14.35	15.7	0.0
Channel				630334	633332	636332	Tune-up limit	MPR
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)	(dB)
10	QPSK	1	1	14.42	14.53	14.33	15.7	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
100	PI/2 BPSK	1	1	15.92	15.81	15.90	17.1	0.0
100	PI/2 BPSK	1	137		15.81			
100	PI/2 BPSK	1	271		15.90			
100	PI/2 BPSK	135	0		15.90		17.1	0.0
100	PI/2 BPSK	135	69		15.82		17.1	0.0
100	PI/2 BPSK	135	138		15.82		17.1	0.0
100	PI/2 BPSK	270	0		15.98			
100	QPSK	1	1	16.12	16.11	16.06	17.1	0.0
100	QPSK	1	137		16.11			
100	QPSK	1	271		15.84			
100	QPSK	135	0		16.03		17.1	0.0
100	QPSK	135	69		16.09		17.1	0.0
100	QPSK	135	138		15.99		17.1	0.0
100	QPSK	270	0		16.08			
100	16QAM	1	1	15.89	15.89	15.89	17.1	0.0
100	64QAM	1	1	14.60	14.60	14.60	16.0	1.1
100	256QAM	1	1	13.23	13.23	13.23	14.0	3.1
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	QPSK	1	1	15.92	16.08	16.03	17.1	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510		
80	QPSK	1	1	15.89	16.08	16.06	17.1	0.0
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.98		
70	QPSK	1	1	15.94	15.98	16.05	17.1	0.0
Channel				632000	633332	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3519.99		
60	QPSK	1	1	15.95	16.04	16.03	17.1	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	QPSK	1	1	15.96	15.95	16.06	17.1	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	QPSK	1	1	16.03	16.07	16.00	17.1	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	QPSK	1	1	15.93	15.94	16.00	17.1	0.0
Channel				630834	633332	635832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3499.98	3537.48		
25	QPSK	1	1	16.01	15.95	16.04	17.1	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	QPSK	1	1	15.97	16.08	15.97	17.1	0.0
Channel				630500	633332	636166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3499.98	3542.49		
15	QPSK	1	1	16.02	16.08	16.02	17.1	0.0
Channel				630334	633332	636332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3499.98	3544.98		
10	QPSK	1	1	16.02	15.97	15.92	17.1	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
100	PV2 BPSK	1	1	17.42			18.5	0.0
100	PV2 BPSK	1	137	17.41				
100	PV2 BPSK	1	271	17.62				
100	PV2 BPSK	135	0	16.86			18.0	0.5
100	PV2 BPSK	135	69	17.45			18.5	0.0
100	PV2 BPSK	135	138	17.07			18.0	0.5
100	PV2 BPSK	270	0	17.01				
100	QPSK	1	1	17.67			18.5	0.0
100	QPSK	1	137	17.45				
100	QPSK	1	271	17.63				
100	QPSK	135	0	16.47			17.5	1.0
100	QPSK	135	69	17.59			18.5	0.0
100	QPSK	135	138	16.53				
100	QPSK	270	0	16.49			17.5	1.0
100	16QAM	1	1	16.30			17.5	1.0
100	64QAM	1	1	14.60			16.0	2.5
100	256QAM	1	1	12.99			14.0	4.5
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	QPSK	1	1	17.54	17.53	17.56	18.5	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510		
80	QPSK	1	1	17.58	17.60	17.44	18.5	0.0
Channel				632334	633332	634332	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.98		
70	QPSK	1	1	17.57	17.57	17.53	18.5	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3519.99		
60	QPSK	1	1	17.54	17.51	17.48	18.5	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				17.57	17.62	17.43		
50	QPSK	1	1	17.58	17.59	17.56	18.5	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	QPSK	1	1	17.49	17.61	17.56	18.5	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	QPSK	1	1	17.49	17.55	17.55	18.5	0.0
Channel				630834	633332	635832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3499.98	3537.48		
25	QPSK	1	1	17.53	17.52	17.41	18.5	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	QPSK	1	1	17.60	17.49	17.51	18.5	0.0
Channel				630500	633332	636166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3499.98	3542.49		
15	QPSK	1	1	17.48	17.64	17.40	18.5	0.0
Channel				630334	633332	636332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3499.98	3544.98		
10	QPSK	1	1	17.44	17.62	17.53	18.5	0.0

3450	600000	NREF	0.015	Fgloba
3550	3000	FREF		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633333	633333	633333	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3500	3500	3500		
100	QPSK	0	0				18.5	0.0
Channel				633000	633333	633667	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500	3505		
90	QPSK	0	0				18.5	0.0
Channel				632667	633333	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490	3500	3510		
80	QPSK	0	0				18.5	0.0
Channel				632333	633333	634333	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485	3500	3515		
70	QPSK	0	0				18.5	0.0
Channel				632000	633333	634667	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500	3520		
60	QPSK	0	0				18.5	0.0
Channel				631667	633333	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475	3500	3525		
50	QPSK	0	0				18.5	0.0
Channel				631333.333	633333	635333	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470	3500	3530		
40	QPSK	0	0				18.5	0.0
Channel				631000	633333	635667	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500	3535		
30	QPSK	0	0				18.5	0.0
Channel				630833	633333	635833	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.5	3500	3537.5		
25	QPSK	0	0				18.5	0.0
Channel				630667	633333	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460	3500	3540		
20	QPSK	0	0				18.5	0.0
Channel				630500	633333	636167	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	0	0				18.5	0.0
Channel				630333	633333	636333	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	0	0				18.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633000	633332	633666	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)
100	PI/2 BPSK	1	1	22.70	22.74	22.81	24.0	0.0
100	PI/2 BPSK	1	137	22.81	22.81	22.81	24.0	0.0
100	PI/2 BPSK	1	271	22.81	22.81	22.81	24.0	0.0
100	PI/2 BPSK	135	0	22.81	22.81	22.81	24.0	0.0
100	PI/2 BPSK	135	69	22.81	22.81	22.81	24.0	0.0
100	PI/2 BPSK	135	138	22.81	22.81	22.81	24.0	0.0
100	PI/2 BPSK	270	0	22.81	22.81	22.81	24.0	0.0
100	QPSK	1	1	22.81	22.81	22.81	24.0	0.0
100	QPSK	1	137	22.81	22.81	22.81	24.0	0.0
100	QPSK	1	271	22.81	22.81	22.81	24.0	0.0
100	QPSK	135	0	22.81	22.81	22.81	24.0	0.0
100	QPSK	135	69	22.81	22.81	22.81	24.0	0.0
100	QPSK	135	138	22.81	22.81	22.81	24.0	0.0
100	QPSK	270	0	22.81	22.81	22.81	24.0	0.0
100	16QAM	1	1	21.68	21.68	21.68	23.0	1.0
100	64QAM	1	1	20.08	20.08	20.08	21.5	2.5
100	256QAM	1	1	18.38	18.38	18.38	19.5	4.5
Channel				633000	633332	633666	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)
90	QPSK	1	1	22.70	22.74	22.81	24.0	0.0
Channel				632668	633332	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3499.98	3510	(dBm)	(dB)
80	QPSK	1	1	22.71	22.72	22.77	24.0	0.0
Channel				632334	633332	634332	Tune-up limit	MPR
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)	(dB)
70	QPSK	1	1	22.69	22.82	22.77	24.0	0.0
Channel				632000	633332	634666	Tune-up limit	MPR
Frequency (MHz)				3480	3499.98	3519.99	(dBm)	(dB)
60	QPSK	1	1	22.70	22.72	22.80	24.0	0.0
Channel				631668	633332	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3499.98	3525	(dBm)	(dB)
50	QPSK	1	1	22.78	22.78	22.78	24.0	0.0
Channel				631334	633332	635332	Tune-up limit	MPR
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)
40	QPSK	1	1	22.70	22.81	22.75	24.0	0.0
Channel				631000	633332	635666	Tune-up limit	MPR
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	(dB)
30	QPSK	1	1	22.66	22.71	22.71	24.0	0.0
Channel				630834	633332	635832	Tune-up limit	MPR
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)	(dB)
25	QPSK	1	1	22.72	22.75	22.75	24.0	0.0
Channel				630668	633332	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)
20	QPSK	1	1	22.69	22.70	22.78	24.0	0.0
Channel				630500	633332	636166	Tune-up limit	MPR
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)	(dB)
15	QPSK	1	1	22.78	22.78	22.76	24.0	0.0
Channel				630334	633332	636332	Tune-up limit	MPR
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)	(dB)
10	QPSK	1	1	22.75	22.75	22.70	24.0	0.0

Reduced Power Mode for ECI 3

n5 Ant 0 ECI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	22.57	22.59	22.45		0.0
20	QPSK	50	28	22.52	22.53	22.46	24.0	0.0
20	QPSK	100	0	21.53	21.59	21.42	23.0	1.0

n26 Ant 0 ECI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	QPSK	1	1	22.82	22.85	22.77		0.0
20	QPSK	50	28	22.78	22.83	22.80	24.0	0.0
20	QPSK	100	0	21.84	21.89	21.83	23.0	1.0

n38 Ant 0 ECI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	20.94	21.20	21.01		
40	QPSK	50	28	20.88	21.13	21.01	22.0	0.0
40	QPSK	100	0	20.03	20.06	20.03	21.0	1.0

n41 Ant 0 ECI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	QPSK	1	1	21.02	21.25	21.07		
100	QPSK	135	69	21.03	21.22	21.16	22.0	0.0
100	QPSK	270	0	20.12	20.20	20.19	21.0	1.0



n2 Ant 1 ECI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				378000	378000	378000			
Frequency (MHz)				1870	1880	1890			
49	QPSK	1	1	22.20	22.30	22.17	23.3	0.0	
49	QPSK	108	54	22.17	22.27	22.26	23.3	0.0	
49	QPSK	216	0	21.73	21.77	21.74	23.0	0.3	

n7 Ant 1 ECI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505000	507000	509000			
Frequency (MHz)				2525	2535	2545			
50	QPSK	1	1	21.57	21.64	21.53	22.6	0.0	
50	QPSK	135	68	21.53	21.61	21.57	22.6	0.0	
50	QPSK	270	0	21.51	21.57	21.53	22.6	0.0	

n66 Ant 1 ECI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346500	348000	351500			
Frequency (MHz)				1732.5	1745	1757.5			
45	QPSK	1	1	21.76	21.84	21.75	22.9	0.0	
45	QPSK	120	60	21.70	21.83	21.75	22.9	0.0	
45	QPSK	240	0	21.72	21.74	21.70	22.9	0.0	



n38 Ant 1 ECI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	21.59	21.73	21.49	23.1	0.0
40	QPSK	50	28	21.50	21.69	21.55	23.1	0.0
40	QPSK	100	0	21.53	21.66	21.59	23.0	0.1

n41 Ant 1 ECI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	QPSK	1	1	21.78	21.96	21.72	23.1	0.0
100	QPSK	135	69	21.73	21.95	21.71	23.1	0.0
100	QPSK	270	0	21.67	21.83	21.70	23.0	0.1

n38 Ant 2 ECI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	19.01	19.02	18.82		
40	QPSK	50	28	18.77	19.00	18.69	20.0	0.0
40	QPSK	100	0	17.97	17.98	17.83	19.0	1.0

n41 Ant 2 ECI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	QPSK	1	1	19.02	19.07	18.80		
100	QPSK	135	69	18.84	18.99	18.70	20.0	0.0
100	QPSK	270	0	17.98	18.01	17.89	19.0	1.0



n2 Ant 4 ECI3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				374500	376000	378000			
Frequency (MHz)				1870	1880	1890			
40	QPSK	1	1	18.08	18.17	18.13	19.1	0.0	
40	QPSK	108	54	18.03	18.16	18.05	19.1	0.0	
40	QPSK	216	0	18.04	18.13	18.06	19.1	0.0	

n26 Ant 4 ECI3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				164800	166300	167800			
Frequency (MHz)				824	831.5	839			
20	QPSK	1	1	22.67	22.85	22.72	24.0	0.0	
20	QPSK	50	28	22.53	22.62	22.61	24.0	0.0	
20	QPSK	100	0	21.83	21.94	21.80	23.0	1.0	

n5 Ant 4 ECI3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	QPSK	1	1	22.54	22.59	22.58	24.0	0.0	
20	QPSK	50	28	22.33	22.52	22.50	24.0	0.0	
20	QPSK	100	0	21.42	21.50	21.45	23.0	1.0	

n66 Ant 4 ECI3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346500	349000	351500			
Frequency (MHz)				1732.5	1745	1757.5			
45	QPSK	1	1	17.90	18.01	17.86	19.0	0.0	
45	QPSK	120	60	17.85	17.98	17.89	19.0	0.0	
45	QPSK	240	0	17.88	17.93	17.87	19.0	0.0	

n7 Ant 4 ECI3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505000	507000	509000			
Frequency (MHz)				2525	2535	2545			
50	QPSK	1	1	17.83	17.98	17.83	18.9	0.0	
50	QPSK	135	68	17.83	17.91	17.83	18.9	0.0	
50	QPSK	270	0	17.79	17.85	17.83	18.9	0.0	



n38 Ant 4 ECI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	17.65	17.76	17.54		
40	QPSK	50	28	17.61	17.73	17.60	18.9	0.0
40	QPSK	100	0	17.70	17.71	17.67	18.9	0.0

n41 Ant 4 ECI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2546.01	2592.99	2640		
100	QPSK	1	1	17.82	17.91	17.84		
100	QPSK	135	69	17.80	17.88	17.78	18.9	0.0
100	QPSK	270	0	17.81	17.85	17.68	18.9	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633332			
Frequency (MHz)					3499.98			
100	PI/2 BPSK	1	1		17.37			
100	PI/2 BPSK	1	137		17.38		18.4	0.0
100	PI/2 BPSK	1	271		17.51			
100	PI/2 BPSK	135	0		17.36		18.4	0.0
100	PI/2 BPSK	135	69		17.47		18.4	0.0
100	PI/2 BPSK	135	138		17.46		18.4	0.0
100	PI/2 BPSK	270	0		17.51			
100	QPSK	1	1		17.56			
100	QPSK	1	137		17.52		18.4	0.0
100	QPSK	1	271		17.53			
100	QPSK	135	0		17.51		18.4	0.0
100	QPSK	135	69		17.54		18.4	0.0
100	QPSK	135	138		17.36		18.4	0.0
100	QPSK	270	0		17.49		18.4	0.0
100	16QAM	1	1		17.42		18.4	0.0
100	64QAM	1	1		17.51		18.4	0.0
100	256QAM	1	1		17.40		18.4	0.0
Channel				633000	633332	633666	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)
90	QPSK	1	1	17.44	17.52	17.48	18.4	0.0
Channel				632668	633332	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3499.98	3510	(dBm)	(dB)
80	QPSK	1	1	17.26	17.41	17.28	18.4	0.0
Channel				632334	633332	634332	Tune-up limit	MPR
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)	(dB)
70	QPSK	1	1	17.34	17.44	17.39	18.4	0.0
Channel				632000	633332	634666	Tune-up limit	MPR
Frequency (MHz)				3480	3499.98	3519.99	(dBm)	(dB)
60	QPSK	1	1	17.26	17.48	17.49	18.4	0.0
Channel				631668	633332	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3499.98	3525	(dBm)	(dB)
50	QPSK	1	1	17.46	17.36	17.29	18.4	0.0
Channel				631334	633332	635332	Tune-up limit	MPR
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)
40	QPSK	1	1	17.34	17.38	17.41	18.4	0.0
Channel				631000	633332	635666	Tune-up limit	MPR
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	(dB)
30	QPSK	1	1	17.25	17.50	17.30	18.4	0.0
Channel				630834	633332	635832	Tune-up limit	MPR
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)	(dB)
25	QPSK	1	1	17.41	17.53	17.43	18.4	0.0
Channel				630668	633332	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)
20	QPSK	1	1	17.31	17.46	17.45	18.4	0.0
Channel				630500	633332	636166	Tune-up limit	MPR
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)	(dB)
15	QPSK	1	1	17.45	17.53	17.51	18.4	0.0
Channel				630334	633332	636332	Tune-up limit	MPR
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)	(dB)
10	QPSK	1	1	17.46	17.35	17.42	18.4	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633332			
Frequency (MHz)					3499.98			
100	PI/2 BPSK	1	1		15.49			
100	PI/2 BPSK	1	137		15.50		16.8	0.0
100	PI/2 BPSK	1	271		15.42			
100	PI/2 BPSK	135	0		15.33		16.8	0.0
100	PI/2 BPSK	135	69		15.39		16.8	0.0
100	PI/2 BPSK	135	138		15.40		16.8	0.0
100	PI/2 BPSK	270	0		15.40			
100	QPSK	1	1		15.58			
100	QPSK	1	137		15.45		16.8	0.0
100	QPSK	1	271		15.52			
100	QPSK	135	0		15.62		16.8	0.0
100	QPSK	135	69		15.56		16.8	0.0
100	QPSK	135	138		15.37		16.8	0.0
100	QPSK	270	0		15.47			
100	16QAM	1	1		15.42		16.8	0.0
100	64QAM	1	1		14.60		16.0	0.8
100	256QAM	1	1		13.23		14.0	2.8
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	QPSK	1	1	15.29	15.52	15.44	16.8	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510		
80	QPSK	1	1	15.33	15.56	15.36	16.8	0.0
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.98		
70	QPSK	1	1	15.40	15.40	15.29	16.8	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3519.99		
60	QPSK	1	1	15.30	15.52	15.49	16.8	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	QPSK	1	1	15.46	15.48	15.41	16.8	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	QPSK	1	1	15.37	15.56	15.32	16.8	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	QPSK	1	1	15.24	15.57	15.43	16.8	0.0
Channel				630834	633332	635832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3499.98	3537.48		
25	QPSK	1	1	15.26	15.49	15.44	16.8	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	QPSK	1	1	15.39	15.37	15.45	16.8	0.0
Channel				630500	633332	636166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3499.98	3542.49		
15	QPSK	1	1	15.33	15.57	15.34	16.8	0.0
Channel				630334	633332	636332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3499.98	3544.98		
10	QPSK	1	1	15.23	15.43	15.38	16.8	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633000	633332	633666	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)
90	QPSK	1	1	17.54	17.53	17.56	18.5	0.0
Channel				632668	633332	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3499.98	3510	(dBm)	(dB)
80	QPSK	1	1	17.58	17.60	17.44	18.5	0.0
Channel				632334	633332	634332	Tune-up limit	MPR
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)	(dB)
70	QPSK	1	1	17.57	17.57	17.53	18.5	0.0
Channel				632000	633332	634666	Tune-up limit	MPR
Frequency (MHz)				3480	3499.98	3519.99	(dBm)	(dB)
60	QPSK	1	1	17.54	17.51	17.48	18.5	0.0
Channel				631668	633332	635000	Tune-up limit	MPR
Frequency (MHz)				17.57	17.62	17.43	(dBm)	(dB)
50	QPSK	1	1	17.58	17.59	17.56	18.5	0.0
Channel				631334	633332	635332	Tune-up limit	MPR
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)
40	QPSK	1	1	17.49	17.61	17.56	18.5	0.0
Channel				631000	633332	635666	Tune-up limit	MPR
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	(dB)
30	QPSK	1	1	17.49	17.55	17.55	18.5	0.0
Channel				630834	633332	635832	Tune-up limit	MPR
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)	(dB)
25	QPSK	1	1	17.53	17.52	17.41	18.5	0.0
Channel				630668	633332	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)
20	QPSK	1	1	17.60	17.49	17.51	18.5	0.0
Channel				630500	633332	636166	Tune-up limit	MPR
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)	(dB)
15	QPSK	1	1	17.48	17.64	17.40	18.5	0.0
Channel				630334	633332	636332	Tune-up limit	MPR
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)	(dB)
10	QPSK	1	1	17.44	17.62	17.53	18.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
100	PI/2 BPSK	1	1	22.70	22.74	22.81	24.0	0.0
100	PI/2 BPSK	1	137	22.70	22.74	22.81	24.0	0.0
100	PI/2 BPSK	1	271	22.70	22.74	22.81	24.0	0.0
100	PI/2 BPSK	135	0	22.69	22.82	22.77	24.0	0.0
100	PI/2 BPSK	135	69	22.69	22.82	22.77	24.0	0.0
100	PI/2 BPSK	135	138	22.69	22.82	22.77	24.0	0.0
100	PI/2 BPSK	270	0	22.69	22.82	22.77	24.0	0.0
100	QPSK	1	1	22.71	22.72	22.77	24.0	0.0
100	QPSK	1	137	22.71	22.72	22.77	24.0	0.0
100	QPSK	1	271	22.71	22.72	22.77	24.0	0.0
100	QPSK	135	0	22.71	22.72	22.77	24.0	0.0
100	QPSK	135	69	22.71	22.72	22.77	24.0	0.0
100	QPSK	135	138	22.71	22.72	22.77	24.0	0.0
100	QPSK	270	0	22.71	22.72	22.77	24.0	0.0
100	16QAM	1	1	22.71	22.72	22.77	24.0	0.0
100	64QAM	1	1	22.71	22.72	22.77	24.0	0.0
100	256QAM	1	1	22.71	22.72	22.77	24.0	0.0
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	QPSK	1	1	22.70	22.74	22.81	24.0	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510		
80	QPSK	1	1	22.71	22.72	22.77	24.0	0.0
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.98		
70	QPSK	1	1	22.69	22.82	22.77	24.0	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3519.99		
60	QPSK	1	1	22.70	22.72	22.80	24.0	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	QPSK	1	1	22.78	22.78	22.78	24.0	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	QPSK	1	1	22.70	22.81	22.75	24.0	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	QPSK	1	1	22.66	22.71	22.71	24.0	0.0
Channel				630834	633332	635832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3499.98	3537.48		
25	QPSK	1	1	22.72	22.75	22.75	24.0	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	QPSK	1	1	22.69	22.70	22.78	24.0	0.0
Channel				630500	633332	636166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3499.98	3542.49		
15	QPSK	1	1	22.78	22.78	22.76	24.0	0.0
Channel				630334	633332	636332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3499.98	3544.98		
10	QPSK	1	1	22.75	22.75	22.70	24.0	0.0

Reduced Power Mode for ECI 4

n5 Ant 0 ECI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	22.57	22.59	22.45		0.0
20	QPSK	50	28	22.52	22.53	22.46	24.0	0.0
20	QPSK	100	0	21.53	21.59	21.42	23.0	1.0

n26 Ant 0 ECI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	QPSK	1	1	22.82	22.85	22.77		0.0
20	QPSK	50	28	22.78	22.83	22.80	24.0	0.0
20	QPSK	100	0	21.84	21.89	21.83	23.0	1.0

n38 Ant 0 ECI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	20.94	21.20	21.01		
40	QPSK	50	28	20.88	21.13	21.01	22.0	0.0
40	QPSK	100	0	20.03	20.06	20.03	21.0	1.0

n41 Ant 0 ECI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	QPSK	1	1	21.02	21.25	21.07		
100	QPSK	135	69	21.03	21.22	21.16	22.0	0.0
100	QPSK	270	0	20.12	20.20	20.19	21.0	1.0



n2 Ant 1 ECI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				376000	376000	376000	24.0	0.0	
Frequency (MHz)				1870	1880	1890			
49	QPSK	1	1	22.64	22.74	22.64			24.0
49	QPSK	108	54	22.57	22.71	22.67	24.0	0.0	
49	QPSK	216	0	21.59	21.70	21.63	23.0	1.0	

n7 Ant 1 ECI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505000	507000	509000	24.0	0.0	
Frequency (MHz)				2525	2535	2545			
50	QPSK	1	1	22.46	22.53	22.45			
50	QPSK	135	68	22.38	22.44	22.43	24.0	0.0	
50	QPSK	270	0	21.96	21.58	21.52	23.0	1.0	

n66 Ant 1 EC14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346500	346900	351500	24.0	0.0	
Frequency (MHz)				1732.5	1745	1757.5			
45	QPSK	1	1	22.59	22.80	22.60	24.0	0.0	
45	QPSK	120	60	22.60	22.79	22.67	24.0	0.0	
45	QPSK	240	0	21.77	21.83	21.69	23.0	1.0	

n38 Ant 1 ECI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	22.49	22.71	22.52		
40	QPSK	50	28	22.61	22.65	22.51	24.0	0.0
40	QPSK	100	0	21.48	21.70	21.58	23.0	1.0

n41 Ant 1 ECI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	QPSK	1	1	22.69	22.81	22.75		
100	QPSK	135	69	22.64	22.75	22.67	24.0	0.0
100	QPSK	270	0	21.62	21.85	21.47	23.0	1.0



n38 Ant 2 ECI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	18.43	18.50	18.33	19.5	0.0
40	QPSK	50	28	18.13	18.39	18.22	19.5	0.0
40	QPSK	100	0	17.90	17.96	17.88	19.0	0.5

n41 Ant 2 ECI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	QPSK	1	1	18.54	18.56	18.39	19.5	0.0
100	QPSK	135	69	18.24	18.41	18.32	19.5	0.0
100	QPSK	270	0	17.88	17.94	17.90	19.0	0.5



n2 Ant 4 ECI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				374500	376000	378000	24.0	0.0	
Frequency (MHz)				1870	1880	1890			
40	QPSK	1	1	22.10	22.14	22.10	24.0	0.0	
40	QPSK	108	54	22.02	22.12	22.09	24.0	0.0	
40	QPSK	216	0	21.12	21.18	21.14	23.0	1.0	

n26 Ant 4 ECI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				164500	166300	167800	24.0	0.0	
Frequency (MHz)				824	831.5	839			
20	QPSK	1	1	22.87	22.85	22.72	24.0	0.0	
20	QPSK	50	28	22.53	22.62	22.61	24.0	0.0	
20	QPSK	100	0	21.63	21.64	21.60	23.0	1.0	

n5 Ant 4 ECI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167900	24.0	0.0	
Frequency (MHz)				834	836.5	839			
20	QPSK	1	1	22.54	22.59	22.58	24.0	0.0	
20	QPSK	50	28	22.33	22.52	22.50	24.0	0.0	
20	QPSK	100	0	21.42	21.50	21.45	23.0	1.0	

n66 Ant 4 ECI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346500	348000	351000	24.0	0.0	
Frequency (MHz)				1732.5	1745	1757.5			
45	QPSK	1	1	22.34	22.47	22.44	24.0	0.0	
45	QPSK	120	60	22.35	22.40	22.39	24.0	0.0	
45	QPSK	240	0	21.38	21.43	21.41	23.0	1.0	

n7 Ant 4 ECI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505000	507000	509000	23.0	0.0	
Frequency (MHz)				2525	2535	2545			
50	QPSK	1	1	21.72	21.94	21.76	23.0	0.0	
50	QPSK	135	68	21.84	21.91	21.82	23.0	0.0	
50	QPSK	270	0	20.84	20.96	20.89	22.0	1.0	

n38 Ant 4 ECI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	22.04	22.28	22.05		
40	QPSK	50	28	22.16	22.25	22.18	24.0	0.0
40	QPSK	100	0	21.15	21.30	21.16	23.0	1.0

n41 Ant 4 ECI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2546.01	2592.99	2640		
100	QPSK	1	1	22.11	22.36	22.15		
100	QPSK	135	69	22.21	22.35	22.19	24.0	0.0
100	QPSK	270	0	21.18	21.22	21.18	23.0	1.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
100	PI/2 BPSK	1	1	22.96	23.01	22.84	24.0	0.0
100	PI/2 BPSK	1	137		23.02			
100	PI/2 BPSK	1	271		22.98			
100	PI/2 BPSK	135	0		22.56		23.5	0.5
100	PI/2 BPSK	135	69		23.02		24.0	0.0
100	PI/2 BPSK	135	138		22.66		23.5	0.5
100	PI/2 BPSK	270	0		22.59			
100	QPSK	1	1		23.05			
100	QPSK	1	137		23.01		24.0	0.0
100	QPSK	1	271		23.04			
100	QPSK	135	0		22.08		23.0	1.0
100	QPSK	135	69		23.03		24.0	0.0
100	QPSK	135	138		22.12		23.0	1.0
100	QPSK	270	0		22.11			
100	16QAM	1	1		22.03		23.0	1.0
100	64QAM	1	1		20.37		21.5	2.5
100	256QAM	1	1		18.97		19.5	4.5
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	QPSK	1	1	22.96	23.01	22.84	24.0	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510		
80	QPSK	1	1	22.90	22.94	22.85	24.0	0.0
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3483.01	3499.98	3514.98		
70	QPSK	1	1	22.95	22.90	22.80	24.0	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3519.99		
60	QPSK	1	1	23.00	22.98	22.84	24.0	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	QPSK	1	1	22.97	22.96	22.75	24.0	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	QPSK	1	1	22.99	22.90	22.85	24.0	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	QPSK	1	1	22.99	22.97	22.74	24.0	0.0
Channel				630834	633332	635832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3499.98	3537.48		
25	QPSK	1	1	22.98	22.93	22.82	24.0	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	QPSK	1	1	22.87	22.90	22.72	24.0	0.0
Channel				630500	633332	636166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3499.98	3542.49		
15	QPSK	1	1	22.99	22.93	22.85	24.0	0.0
Channel				630334	633332	636332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3499.98	3544.98		
10	QPSK	1	1	22.88	22.94	22.72	24.0	0.0

Part27Q n78 Ant 5 ECI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633000	633332	633666	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)
90	QPSK	1	1	17.38	17.48	17.37	18.5	0.0
Channel				632668	633332	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3499.98	3510	(dBm)	(dB)
80	QPSK	1	1	17.36	17.43	17.47	18.5	0.0
Channel				632334	633332	634332	Tune-up limit	MPR
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)	(dB)
70	QPSK	1	1	17.39	17.53	17.41	18.5	0.0
Channel				632000	633332	634666	Tune-up limit	MPR
Frequency (MHz)				3480	3499.98	3519.99	(dBm)	(dB)
60	QPSK	1	1	17.40	17.50	17.41	18.5	0.0
Channel				631668	633332	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3499.98	3525	(dBm)	(dB)
50	QPSK	1	1	17.39	17.53	17.47	18.5	0.0
Channel				631334	633332	635332	Tune-up limit	MPR
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)
40	QPSK	1	1	17.42	17.45	17.38	18.5	0.0
Channel				631000	633332	635666	Tune-up limit	MPR
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	(dB)
30	QPSK	1	1	17.38	17.47	17.35	18.5	0.0
Channel				630834	633332	635832	Tune-up limit	MPR
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)	(dB)
25	QPSK	1	1	17.40	17.39	17.39	18.5	0.0
Channel				630668	633332	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)
20	QPSK	1	1	17.51	17.40	17.40	18.5	0.0
Channel				630500	633332	636166	Tune-up limit	MPR
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)	(dB)
15	QPSK	1	1	17.48	17.39	17.43	18.5	0.0
Channel				630334	633332	636332	Tune-up limit	MPR
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)	(dB)
10	QPSK	1	1	17.36	17.48	17.46	18.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633000	633332	633666	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)
90	QPSK	1	1	17.54	17.53	17.56	18.5	0.0
Channel				632668	633332	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3499.98	3510	(dBm)	(dB)
80	QPSK	1	1	17.58	17.60	17.44	18.5	0.0
Channel				632334	633332	634332	Tune-up limit	MPR
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)	(dB)
70	QPSK	1	1	17.57	17.57	17.53	18.5	0.0
Channel				632000	633332	634666	Tune-up limit	MPR
Frequency (MHz)				3480	3499.98	3519.99	(dBm)	(dB)
60	QPSK	1	1	17.54	17.51	17.48	18.5	0.0
Channel				631668	633332	635000	Tune-up limit	MPR
Frequency (MHz)				17.57	17.62	17.43	(dBm)	(dB)
50	QPSK	1	1	17.58	17.59	17.56	18.5	0.0
Channel				631334	633332	635332	Tune-up limit	MPR
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)
40	QPSK	1	1	17.49	17.61	17.56	18.5	0.0
Channel				631000	633332	635666	Tune-up limit	MPR
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	(dB)
30	QPSK	1	1	17.49	17.55	17.55	18.5	0.0
Channel				630834	633332	635832	Tune-up limit	MPR
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)	(dB)
25	QPSK	1	1	17.53	17.52	17.41	18.5	0.0
Channel				630668	633332	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)
20	QPSK	1	1	17.60	17.49	17.51	18.5	0.0
Channel				630500	633332	636166	Tune-up limit	MPR
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)	(dB)
15	QPSK	1	1	17.48	17.64	17.40	18.5	0.0
Channel				630334	633332	636332	Tune-up limit	MPR
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)	(dB)
10	QPSK	1	1	17.44	17.62	17.53	18.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633332			
Frequency (MHz)					3499.98			
100	PI/2 BPSK	1	1		22.27			
100	PI/2 BPSK	1	137		22.37		23.6	0.0
100	PI/2 BPSK	1	271		22.26			
100	PI/2 BPSK	135	0		22.40		23.5	0.1
100	PI/2 BPSK	135	69		22.24		23.6	0.0
100	PI/2 BPSK	135	138		22.31			
100	PI/2 BPSK	270	0		22.14		23.5	0.1
100	QPSK	1	1		22.42			
100	QPSK	1	137		22.21		23.6	0.0
100	QPSK	1	271		22.22			
100	QPSK	135	0		21.59		23.0	0.6
100	QPSK	135	69		22.37		23.6	0.0
100	QPSK	135	138		21.85			
100	QPSK	270	0		21.71		23.0	0.6
100	16QAM	1	1		21.68		23.0	0.6
100	64QAM	1	1		20.08		21.5	2.1
100	256QAM	1	1		18.38		19.5	4.1
Channel				633000	633332	633666	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)
90	QPSK	1	1	22.27	22.27	22.26	23.6	0.0
Channel				632668	633332	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3499.98	3510	(dBm)	(dB)
80	QPSK	1	1	22.22	22.35	22.24	23.6	0.0
Channel				632334	633332	634332	Tune-up limit	MPR
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)	(dB)
70	QPSK	1	1	22.16	22.33	22.28	23.6	0.0
Channel				632000	633332	634666	Tune-up limit	MPR
Frequency (MHz)				3480	3499.98	3519.99	(dBm)	(dB)
60	QPSK	1	1	22.27	22.26	22.25	23.6	0.0
Channel				631668	633332	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3499.98	3525	(dBm)	(dB)
50	QPSK	1	1	22.21	22.32	22.28	23.6	0.0
Channel				631334	633332	635332	Tune-up limit	MPR
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)
40	QPSK	1	1	22.24	22.30	22.28	23.6	0.0
Channel				631000	633332	635666	Tune-up limit	MPR
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	(dB)
30	QPSK	1	1	22.18	22.34	22.16	23.6	0.0
Channel				630834	633332	635832	Tune-up limit	MPR
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)	(dB)
25	QPSK	1	1	22.28	22.32	22.28	23.6	0.0
Channel				630668	633332	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)
20	QPSK	1	1	22.26	22.37	22.16	23.6	0.0
Channel				630500	633332	636166	Tune-up limit	MPR
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)	(dB)
15	QPSK	1	1	22.18	22.37	22.27	23.6	0.0
Channel				630334	633332	636332	Tune-up limit	MPR
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)	(dB)
10	QPSK	1	1	22.28	22.28	22.23	23.6	0.0

Reduced Power Mode for ECI 6

n5 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				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	22.57	22.59	22.45	24.0	0.0
20	QPSK	50	28	22.52	22.53	22.46	24.0	0.0
20	QPSK	100	0	21.53	21.59	21.42	23.0	1.0

n26 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				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	QPSK	1	1	22.82	22.85	22.77	24.0	0.0
20	QPSK	50	28	22.78	22.83	22.80	24.0	0.0
20	QPSK	100	0	21.84	21.89	21.83	23.0	1.0

n38 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				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	20.94	21.20	21.01		
40	QPSK	50	28	20.88	21.13	21.01	22.0	0.0
40	QPSK	100	0	20.03	20.06	20.03	21.0	1.0

n41 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				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	QPSK	1	1	21.02	21.25	21.07		
100	QPSK	135	69	21.03	21.22	21.16	22.0	0.0
100	QPSK	270	0	20.12	20.20	20.19	21.0	1.0



n2 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				376000	378000	378000	24.0	0.0	
Frequency (MHz)				1870	1880	1890			
49	QPSK	1	1	22.64	22.74	22.64	24.0	0.0	
49	QPSK	108	54	22.57	22.71	22.67	24.0	0.0	
49	QPSK	216	0	21.59	21.70	21.63	23.0	1.8	

n7 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				595000	597000	599000	22.9	0.0	
Frequency (MHz)				2925	2935	2945			
50	QPSK	1	1	21.94	22.05	21.96	22.9	0.0	
50	QPSK	135	68	21.94	22.01	21.87	22.9	0.0	
50	QPSK	270	0	21.81	21.88	21.83	22.9	0.0	

n66 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				346500	348000	351500	24.0	0.0	
Frequency (MHz)				1732.5	1745	1757.5			
45	QPSK	1	1	22.59	22.80	22.60	24.0	0.0	
45	QPSK	120	60	22.60	22.79	22.67	24.0	0.0	
45	QPSK	240	0	21.77	21.83	21.89	23.0	1.8	

n38 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				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	21.08	21.20	21.14		
40	QPSK	50	28	21.15	21.16	21.05	22.3	0.0
40	QPSK	100	0	21.06	21.08	21.07	22.3	0.0

n41 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				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	QPSK	1	1	21.13	21.32	21.01	22.3	0.0
100	QPSK	135	69	21.04	21.30	21.14	22.3	0.0
100	QPSK	270	0	21.10	21.20	21.16	22.3	0.0



n38 Ant 2 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				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	18.43	18.50	18.33	19.5	0.0
40	QPSK	50	28	18.13	18.39	18.22	19.5	0.0
40	QPSK	100	0	17.90	17.96	17.88	19.0	0.5

n41 Ant 2 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				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	QPSK	1	1	18.54	18.56	18.39	19.5	0.0
100	QPSK	135	69	18.24	18.41	18.32	19.5	0.0
100	QPSK	270	0	17.88	17.94	17.90	19.0	0.5



n2 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				374500	376000	378000		
Frequency (MHz)				1870	1880	1890		
40	QPSK	1	1	19.53	19.59	19.51	20.6	0.0
40	QPSK	108	54	19.36	19.57	19.46	20.6	0.0
40	QPSK	216	0	19.51	19.53	19.51	20.6	0.0

n26 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				164500	166300	167800		
Frequency (MHz)				824	831.5	839		
20	QPSK	1	1	22.87	22.85	22.72	24.0	0.0
20	QPSK	50	28	22.53	22.62	22.61	24.0	0.0
20	QPSK	100	0	21.63	21.64	21.60	23.0	1.0

n5 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				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	22.54	22.59	22.58	24.0	0.0
20	QPSK	50	28	22.33	22.52	22.50	24.0	0.0
20	QPSK	100	0	21.42	21.50	21.45	23.0	1.0

n66 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				346500	348000	351000		
Frequency (MHz)				1732.5	1745	1757.5		
45	QPSK	1	1	20.86	20.97	20.87	21.8	0.0
45	QPSK	120	60	20.92	20.94	20.82	21.8	0.0
45	QPSK	240	0	20.87	20.91	20.88	21.8	0.0

n7 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				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	QPSK	1	1	19.34	19.53	19.46	20.3	0.0
50	QPSK	135	68	19.47	19.50	19.42	20.3	0.0
50	QPSK	270	0	19.45	19.46	19.42	20.3	0.0

n38 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				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	19.24	19.29	19.26		
40	QPSK	50	28	19.24	19.27	19.23	20.5	0.0
40	QPSK	100	0	19.19	19.24	19.14	20.5	0.0

n41 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				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	QPSK	1	1	19.24	19.32	19.23		
100	QPSK	135	69	19.22	19.30	19.19	20.5	0.0
100	QPSK	270	0	19.20	19.27	19.19	20.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
100	PI/2 BPSK	1	1	19.82			21.4	0.0
100	PI/2 BPSK	1	137	20.03				
100	PI/2 BPSK	1	271	19.82				
100	PI/2 BPSK	135	0	19.83			21.4	0.0
100	PI/2 BPSK	135	69	19.85			21.4	0.0
100	PI/2 BPSK	135	138	19.98			21.4	0.0
100	PI/2 BPSK	270	0	19.98				
100	QPSK	1	1	20.11				
100	QPSK	1	137	19.97			21.4	0.0
100	QPSK	1	271	19.93				
100	QPSK	135	0	19.88			21.4	0.0
100	QPSK	135	69	20.06			21.4	0.0
100	QPSK	135	138	20.03				
100	QPSK	270	0	20.04			21.4	0.0
100	16QAM	1	1	19.95			21.4	0.0
100	64QAM	1	1	20.04			21.4	0.0
100	256QAM	1	1	18.62			19.5	1.9
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	QPSK	1	1	19.87	19.94	19.93	21.4	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510		
80	QPSK	1	1	19.94	19.99	19.89	21.4	0.0
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.98		
70	QPSK	1	1	19.88	20.02	19.92	21.4	0.0
Channel				632000	633332	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3519.99		
60	QPSK	1	1	19.89	19.97	19.86	21.4	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	QPSK	1	1	19.88	20.08	19.96	21.4	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	QPSK	1	1	19.87	19.98	19.89	21.4	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	QPSK	1	1	19.96	20.01	19.88	21.4	0.0
Channel				630834	633332	635832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3499.98	3537.48		
25	QPSK	1	1	19.95	19.94	19.92	21.4	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	QPSK	1	1	19.92	19.98	19.91	21.4	0.0
Channel				630500	633332	636166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3499.98	3542.49		
15	QPSK	1	1	19.97	20.08	19.91	21.4	0.0
Channel				630334	633332	636332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3499.98	3544.98		
10	QPSK	1	1	19.95	20.02	19.95	21.4	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
100	PI/2 BPSK	1	1	17.38	17.48	17.37	18.5	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510		
80	QPSK	1	1	17.36	17.43	17.47	18.5	0.0
Channel				632334	633332	634332	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.98		
70	QPSK	1	1	17.39	17.53	17.41	18.5	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3519.99		
60	QPSK	1	1	17.40	17.50	17.41	18.5	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	QPSK	1	1	17.39	17.53	17.47	18.5	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	QPSK	1	1	17.42	17.45	17.38	18.5	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	QPSK	1	1	17.38	17.47	17.35	18.5	0.0
Channel				630834	633332	635832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3499.98	3537.48		
25	QPSK	1	1	17.40	17.39	17.39	18.5	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	QPSK	1	1	17.51	17.40	17.40	18.5	0.0
Channel				630500	633332	636166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3499.98	3542.49		
15	QPSK	1	1	17.48	17.39	17.43	18.5	0.0
Channel				630334	633332	636332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3499.98	3544.98		
10	QPSK	1	1	17.36	17.48	17.46	18.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633000	633332	633666	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)
90	QPSK	1	1	17.54	17.53	17.56	18.5	0.0
Channel				632668	633332	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3499.98	3510	(dBm)	(dB)
80	QPSK	1	1	17.58	17.60	17.44	18.5	0.0
Channel				632334	633332	634332	Tune-up limit	MPR
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)	(dB)
70	QPSK	1	1	17.57	17.57	17.53	18.5	0.0
Channel				632000	633332	634666	Tune-up limit	MPR
Frequency (MHz)				3480	3499.98	3519.99	(dBm)	(dB)
60	QPSK	1	1	17.54	17.51	17.48	18.5	0.0
Channel				631668	633332	635000	Tune-up limit	MPR
Frequency (MHz)				17.57	17.62	17.43	(dBm)	(dB)
50	QPSK	1	1	17.58	17.59	17.56	18.5	0.0
Channel				631334	633332	635332	Tune-up limit	MPR
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)
40	QPSK	1	1	17.49	17.61	17.56	18.5	0.0
Channel				631000	633332	635666	Tune-up limit	MPR
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	(dB)
30	QPSK	1	1	17.49	17.55	17.55	18.5	0.0
Channel				630834	633332	635832	Tune-up limit	MPR
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)	(dB)
25	QPSK	1	1	17.53	17.52	17.41	18.5	0.0
Channel				630668	633332	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)
20	QPSK	1	1	17.60	17.49	17.51	18.5	0.0
Channel				630500	633332	636166	Tune-up limit	MPR
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)	(dB)
15	QPSK	1	1	17.48	17.64	17.40	18.5	0.0
Channel				630334	633332	636332	Tune-up limit	MPR
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)	(dB)
10	QPSK	1	1	17.44	17.62	17.53	18.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633332			
Frequency (MHz)					3499.98			
100	PI/2 BPSK	1	1		22.27			
100	PI/2 BPSK	1	137		22.37		23.6	0.0
100	PI/2 BPSK	1	271		22.26			
100	PI/2 BPSK	135	0		22.40		23.5	0.1
100	PI/2 BPSK	135	69		22.24		23.6	0.0
100	PI/2 BPSK	135	138		22.31			
100	PI/2 BPSK	270	0		22.14		23.5	0.1
100	QPSK	1	1		22.42			
100	QPSK	1	137		22.21		23.6	0.0
100	QPSK	1	271		22.22			
100	QPSK	135	0		21.59		23.0	0.6
100	QPSK	135	69		22.37		23.6	0.0
100	QPSK	135	138		21.85			
100	QPSK	270	0		21.71		23.0	0.6
100	16QAM	1	1		21.68		23.0	0.6
100	64QAM	1	1		20.08		21.5	2.1
100	256QAM	1	1		18.38		19.5	4.1
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	QPSK	1	1	22.27	22.27	22.26	23.6	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510		
80	QPSK	1	1	22.22	22.35	22.24	23.6	0.0
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.98		
70	QPSK	1	1	22.16	22.33	22.28	23.6	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3519.99		
60	QPSK	1	1	22.27	22.26	22.25	23.6	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	QPSK	1	1	22.21	22.32	22.28	23.6	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	QPSK	1	1	22.24	22.30	22.28	23.6	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	QPSK	1	1	22.18	22.34	22.16	23.6	0.0
Channel				630834	633332	635832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3499.98	3537.48		
25	QPSK	1	1	22.28	22.32	22.28	23.6	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	QPSK	1	1	22.26	22.37	22.16	23.6	0.0
Channel				630500	633332	636166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3499.98	3542.49		
15	QPSK	1	1	22.18	22.37	22.27	23.6	0.0
Channel				630334	633332	636332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3499.98	3544.98		
10	QPSK	1	1	22.28	22.28	22.23	23.6	0.0

Reduced Power Mode for ECI 7

n5 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				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	22.57	22.59	22.45	24.0	0.0
20	QPSK	50	28	22.52	22.53	22.46	24.0	0.0
20	QPSK	100	0	21.53	21.59	21.42	23.0	1.0

n26 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				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	QPSK	1	1	22.82	22.85	22.77	24.0	0.0
20	QPSK	50	28	22.78	22.83	22.80	24.0	0.0
20	QPSK	100	0	21.84	21.89	21.83	23.0	1.0

n38 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				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	20.94	21.20	21.01		
40	QPSK	50	28	20.88	21.13	21.01	22.0	0.0
40	QPSK	100	0	20.03	20.06	20.03	21.0	1.0

n41 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				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	QPSK	1	1	21.02	21.25	21.07		
100	QPSK	135	69	21.03	21.22	21.16	22.0	0.0
100	QPSK	270	0	20.12	20.20	20.19	21.0	1.0



n2 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				378000	379000	379000			
Frequency (MHz)				1870	1880	1890			
49	QPSK	1	1	20.26	20.28	20.13	21.4	0.0	
49	QPSK	108	54	20.24	20.25	20.16	21.4	0.0	
49	QPSK	216	0	20.18	20.21	20.15	21.4	0.0	

n7 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				505000	507000	509000			
Frequency (MHz)				2525	2535	2545			
50	QPSK	1	1	18.01	18.08	18.06	19.3	0.0	
50	QPSK	135	68	17.91	18.06	17.97	19.3	0.0	
50	QPSK	270	0	17.95	18.03	18.00	19.3	0.0	

n66 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				346500	348000	351500			
Frequency (MHz)				1732.5	1745	1757.5			
45	QPSK	1	1	20.72	20.80	20.68	21.9	0.0	
45	QPSK	120	60	20.75	20.79	20.63	21.9	0.0	
45	QPSK	240	0	20.87	20.73	20.64	21.9	0.0	

n38 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				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	18.01	18.20	18.14		
40	QPSK	50	0	18.01	18.17	18.12	19.4	0.0
40	QPSK	100	0	18.05	18.14	18.05	19.4	0.0

n41 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				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	QPSK	1	1	18.09	18.26	18.10		
100	QPSK	135	0	18.01	18.23	17.84	19.4	0.0
100	QPSK	270	0	18.03	18.15	18.04	19.4	0.0

n38 Ant 2 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				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	13.11	13.14	12.90		
40	QPSK	50	28	12.95	13.07	13.00	14.2	0.0
40	QPSK	100	0	12.93	15.03	13.00	14.2	0.0

n41 Ant 2 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				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	QPSK	1	1	13.11	13.18	12.94		
100	QPSK	135	69	12.94	13.15	13.02	14.2	0.0
100	QPSK	270	0	12.96	15.06	13.00	14.2	0.0



n2 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				374500	376000	378000	16.2	0.0	
Frequency (MHz)				1870	1880	1890			
40	QPSK	1	1	15.11	15.16	15.13	16.2	0.0	
40	QPSK	108	54	14.98	15.13	15.01	16.2	0.0	
40	QPSK	216	0	15.03	15.11	15.04	16.2	0.0	

n26 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				164500	166300	167800	24.0	0.0	
Frequency (MHz)				824	831.5	839			
20	QPSK	1	1	22.87	22.85	22.72	24.0	0.0	
20	QPSK	50	28	22.53	22.62	22.61	24.0	0.0	
20	QPSK	100	0	21.63	21.64	21.60	23.0	1.0	

n5 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				166800	167300	167800	24.0	0.0	
Frequency (MHz)				834	836.5	839			
20	QPSK	1	1	22.54	22.59	22.58	24.0	0.0	
20	QPSK	50	28	22.33	22.52	22.50	24.0	0.0	
20	QPSK	100	0	21.42	21.50	21.45	23.0	1.0	

n66 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				346500	348000	351000	17.0	0.0	
Frequency (MHz)				1732.5	1745	1757.5			
45	QPSK	1	1	15.98	16.03	15.92	17.0	0.0	
45	QPSK	120	60	15.72	15.95	15.76	17.0	0.0	
45	QPSK	240	0	15.80	15.91	15.83	17.0	0.0	

n7 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				505000	507000	509000	15.9	0.0	
Frequency (MHz)				2525	2535	2545			
50	QPSK	1	1	14.98	15.05	15.03	15.9	0.0	
50	QPSK	135	68	14.92	15.02	14.79	15.9	0.0	
50	QPSK	270	0	14.83	14.95	14.88	15.9	0.0	

n38 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				518004	519000	519996	16.1	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	15.14	15.19	15.15		
40	QPSK	50	28	15.15	15.17	15.11	16.1	0.0
40	QPSK	100	0	15.10	15.14	15.08	16.1	0.0

n41 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				509202	518598	528000	16.1	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	QPSK	1	1	15.21	15.28	15.16		
100	QPSK	135	69	15.22	15.24	15.20	16.1	0.0
100	QPSK	270	0	15.19	15.22	15.06	16.1	0.0

Part27Q n78 Ant 3 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					633332			
Frequency (MHz)					3499.98			
100	PI/2 BPSK	1	1		12.98			
100	PI/2 BPSK	1	137		12.89		14.1	0.0
100	PI/2 BPSK	1	271		13.06			
100	PI/2 BPSK	135	0		13.07		14.1	0.0
100	PI/2 BPSK	135	69		12.84		14.1	0.0
100	PI/2 BPSK	135	138		12.97		14.1	0.0
100	PI/2 BPSK	270	0		13.04			
100	QPSK	1	1		13.08			
100	QPSK	1	137		12.95		14.1	0.0
100	QPSK	1	271		12.93			
100	QPSK	135	0		12.89		14.1	0.0
100	QPSK	135	69		13.05		14.1	0.0
100	QPSK	135	138		12.98			
100	QPSK	270	0		13.01		14.1	0.0
100	16QAM	1	1		12.98		14.1	0.0
100	64QAM	1	1		12.84		14.1	0.0
100	256QAM	1	1		13.01		14.1	0.0
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	QPSK	1	1	12.81	12.99	12.85	14.1	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510		
80	QPSK	1	1	12.87	12.95	12.92	14.1	0.0
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.98		
70	QPSK	1	1	12.87	12.98	12.90	14.1	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3519.99		
60	QPSK	1	1	12.89	13.00	12.92	14.1	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	QPSK	1	1	12.94	12.93	12.91	14.1	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	QPSK	1	1	12.84	12.93	12.82	14.1	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	QPSK	1	1	12.83	12.91	12.83	14.1	0.0
Channel				630834	633332	635832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3499.98	3537.48		
25	QPSK	1	1	12.88	12.91	12.94	14.1	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	QPSK	1	1	12.85	12.96	12.86	14.1	0.0
Channel				630500	633332	636166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3499.98	3542.49		
15	QPSK	1	1	12.92	12.96	12.89	14.1	0.0
Channel				630334	633332	636332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3499.98	3544.98		
10	QPSK	1	1	12.91	13.01	12.94	14.1	0.0

Part27Q n78 Ant 5 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				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
100	PI/2 BPSK	1	1	12.50	12.49	12.30	14.0	0.0
100	PI/2 BPSK	1	137		12.54			
100	PI/2 BPSK	1	271		12.38			
100	PI/2 BPSK	135	0		12.50		14.0	0.0
100	PI/2 BPSK	135	69		12.58		14.0	0.0
100	PI/2 BPSK	135	138		12.38		14.0	0.0
100	PI/2 BPSK	270	0		12.58			
100	QPSK	1	1		12.61			
100	QPSK	1	137		12.56		14.0	0.0
100	QPSK	1	271		12.44			
100	QPSK	135	0		12.48		14.0	0.0
100	QPSK	135	69		12.59		14.0	0.0
100	QPSK	135	138		12.34		14.0	0.0
100	QPSK	270	0		12.54			
100	16QAM	1	1		12.32		14.0	0.0
100	64QAM	1	1		12.55		14.0	0.0
100	256QAM	1	1		12.33		14.0	0.0
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	QPSK	1	1	12.50	12.49	12.30	14.0	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510		
80	QPSK	1	1	12.41	12.45	12.30	14.0	0.0
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.98		
70	QPSK	1	1	12.43	12.58	12.38	14.0	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3519.99		
60	QPSK	1	1	12.50	12.43	12.34	14.0	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	QPSK	1	1	12.45	12.55	12.30	14.0	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	QPSK	1	1	12.48	12.50	12.38	14.0	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	QPSK	1	1	12.47	12.56	12.35	14.0	0.0
Channel				630834	633332	635832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3499.98	3537.48		
25	QPSK	1	1	12.40	12.59	12.41	14.0	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	QPSK	1	1	12.45	12.51	12.34	14.0	0.0
Channel				630500	633332	636166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3499.98	3542.49		
15	QPSK	1	1	12.47	12.51	12.44	14.0	0.0
Channel				630334	633332	636332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3499.98	3544.98		
10	QPSK	1	1	12.42	12.52	12.37	14.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633000	633332	633666	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)
90	QPSK	1	1	17.54	17.53	17.56	18.5	0.0
Channel				632668	633332	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3499.98	3510	(dBm)	(dB)
80	QPSK	1	1	17.58	17.60	17.44	18.5	0.0
Channel				632334	633332	634332	Tune-up limit	MPR
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)	(dB)
70	QPSK	1	1	17.57	17.57	17.53	18.5	0.0
Channel				632000	633332	634666	Tune-up limit	MPR
Frequency (MHz)				3480	3499.98	3519.99	(dBm)	(dB)
60	QPSK	1	1	17.54	17.51	17.48	18.5	0.0
Channel				631668	633332	635000	Tune-up limit	MPR
Frequency (MHz)				17.57	17.62	17.43	(dBm)	(dB)
50	QPSK	1	1	17.58	17.59	17.56	18.5	0.0
Channel				631334	633332	635332	Tune-up limit	MPR
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)
40	QPSK	1	1	17.49	17.61	17.56	18.5	0.0
Channel				631000	633332	635666	Tune-up limit	MPR
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	(dB)
30	QPSK	1	1	17.49	17.55	17.55	18.5	0.0
Channel				630834	633332	635832	Tune-up limit	MPR
Frequency (MHz)				3462.51	3499.98	3537.48	(dBm)	(dB)
25	QPSK	1	1	17.53	17.52	17.41	18.5	0.0
Channel				630668	633332	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)
20	QPSK	1	1	17.60	17.49	17.51	18.5	0.0
Channel				630500	633332	636166	Tune-up limit	MPR
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)	(dB)
15	QPSK	1	1	17.48	17.64	17.40	18.5	0.0
Channel				630334	633332	636332	Tune-up limit	MPR
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)	(dB)
10	QPSK	1	1	17.44	17.62	17.53	18.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633332			
Frequency (MHz)					3499.98			
100	PI/2 BPSK	1	1		20.79			
100	PI/2 BPSK	1	137		20.63		21.8	0.0
100	PI/2 BPSK	1	271		20.81			
100	PI/2 BPSK	135	0		20.89		21.8	0.0
100	PI/2 BPSK	135	69		20.80		21.8	0.0
100	PI/2 BPSK	135	138		20.80		21.8	0.0
100	PI/2 BPSK	270	0		20.77			
100	QPSK	1	1		20.92			
100	QPSK	1	137		20.81		21.8	0.0
100	QPSK	1	271		20.80			
100	QPSK	135	0		20.64		21.8	0.0
100	QPSK	135	69		20.89		21.8	0.0
100	QPSK	135	138		20.73			
100	QPSK	270	0		20.83		21.8	0.0
100	16QAM	1	1		20.84		21.8	0.0
100	64QAM	1	1		20.08		21.5	0.3
100	256QAM	1	1		18.38		19.5	2.3
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	QPSK	1	1	20.72	20.89	20.84	21.8	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510		
80	QPSK	1	1	20.65	20.73	20.85	21.8	0.0
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.99		
70	QPSK	1	1	20.68	20.73	20.83	21.8	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3519.99		
60	QPSK	1	1	20.56	20.82	20.87	21.8	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	QPSK	1	1	20.51	20.73	20.85	21.8	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	QPSK	1	1	20.61	20.84	20.84	21.8	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	QPSK	1	1	20.72	20.72	20.86	21.8	0.0
Channel				630834	633332	635832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3499.98	3537.48		
25	QPSK	1	1	20.74	20.88	20.87	21.8	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	QPSK	1	1	20.81	20.87	20.75	21.8	0.0
Channel				630500	633332	636166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3499.98	3542.49		
15	QPSK	1	1	20.73	20.74	20.81	21.8	0.0
Channel				630334	633332	636332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3499.98	3544.98		
10	QPSK	1	1	20.77	20.84	20.58	21.8	0.0

[illegible][illegible][illegible][illegible]

S.0200 (Bus)	Ant 5 Full power		Ant 7 Full power		Ant 8 Full power		Ant 9 Full power		Ant 10 Full power		Ant 11 Full power		Ant 12 Full power		Ant 13 Full power		Ant 14 Full power		Ant 15 Full power		Ant 16 Full power		Ant 17 Full power		Ant 18 Full power		Ant 19 Full power		Ant 20 Full power		Ant 21 Full power		Ant 22 Full power		Ant 23 Full power		Ant 24 Full power		Ant 25 Full power		Ant 26 Full power		Ant 27 Full power		Ant 28 Full power		Ant 29 Full power		Ant 30 Full power		Ant 31 Full power		Ant 32 Full power		Ant 33 Full power		Ant 34 Full power		Ant 35 Full power		Ant 36 Full power		Ant 37 Full power		Ant 38 Full power		Ant 39 Full power		Ant 40 Full power		Ant 41 Full power		Ant 42 Full power		Ant 43 Full power		Ant 44 Full power		Ant 45 Full power		Ant 46 Full power		Ant 47 Full power		Ant 48 Full power		Ant 49 Full power		Ant 50 Full power		Ant 51 Full power		Ant 52 Full power		Ant 53 Full power		Ant 54 Full power		Ant 55 Full power		Ant 56 Full power		Ant 57 Full power		Ant 58 Full power		Ant 59 Full power		Ant 60 Full power		Ant 61 Full power		Ant 62 Full power		Ant 63 Full power		Ant 64 Full power		Ant 65 Full power		Ant 66 Full power		Ant 67 Full power		Ant 68 Full power		Ant 69 Full power		Ant 70 Full power		Ant 71 Full power		Ant 72 Full power		Ant 73 Full power		Ant 74 Full power		Ant 75 Full power		Ant 76 Full power		Ant 77 Full power		Ant 78 Full power		Ant 79 Full power		Ant 80 Full power		Ant 81 Full power		Ant 82 Full power		Ant 83 Full power		Ant 84 Full power		Ant 85 Full power		Ant 86 Full power		Ant 87 Full power		Ant 88 Full power		Ant 89 Full power		Ant 90 Full power		Ant 91 Full power		Ant 92 Full power		Ant 93 Full power		Ant 94 Full power		Ant 95 Full power		Ant 96 Full power		Ant 97 Full power		Ant 98 Full power		Ant 99 Full power		Ant 100 Full power		Ant 101 Full power		Ant 102 Full power		Ant 103 Full power		Ant 104 Full power		Ant 105 Full power		Ant 106 Full power		Ant 107 Full power		Ant 108 Full power		Ant 109 Full power		Ant 110 Full power		Ant 111 Full power		Ant 112 Full power		Ant 113 Full power		Ant 114 Full power		Ant 115 Full power		Ant 116 Full power		Ant 117 Full power		Ant 118 Full power		Ant 119 Full power		Ant 120 Full power		Ant 121 Full power		Ant 122 Full power		Ant 123 Full power		Ant 124 Full power		Ant 125 Full power		Ant 126 Full power		Ant 127 Full power		Ant 128 Full power		Ant 129 Full power		Ant 130 Full power		Ant 131 Full power		Ant 132 Full power		Ant 133 Full power		Ant 134 Full power		Ant 135 Full power		Ant 136 Full power		Ant 137 Full power		Ant 138 Full power		Ant 139 Full power		Ant 140 Full power		Ant 141 Full power		Ant 142 Full power		Ant 143 Full power		Ant 144 Full power
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			Full Power								Standalone & WWAN+non DBS								WWAN+DBS/DBS only		
WiFi 6E			Ant 5		Ant 7		Ant 5+7		Ant 5		Ant 7		Ant 5+7		Ant 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	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %			
WiFi 6E	802.11ax-HE20 MCS0	1	5955	9.37	11.00	9.34	11.00	12.37	14.00	9.37	11.00	9.34	11.00	12.37	14.00	9.34	11.00	96.22			
		57	6235	9.51	11.00	9.48	11.00	12.51	14.00	9.51	11.00	9.48	11.00	12.51	14.00	9.48	11.00				
		113	6515	9.33	11.00	9.37	11.00	12.36	14.00	9.33	11.00	9.37	11.00	12.36	14.00	9.37	11.00				
		173	6815	8.37	9.50	8.62	10.00	11.51	13.50	8.37	9.50	8.62	10.00	11.51	13.50	8.62	10.00				
	802.11ax-HE40 MCS0	229	7095	9.31	11.00	7.66	9.50	11.57	13.00	9.32	11.00	7.68	9.50	11.59	13.00	7.68	9.50	92.57			
		3	5965	11.95	13.50	12.05	13.50	15.01	16.50	11.56	13.00	11.68	13.00	14.66	16.00	11.68	13.00				
		59	6245	11.90	13.50	11.77	13.50	14.85	16.50	11.25	13.00	11.13	13.00	14.16	16.00	11.13	13.00				
		107	6485	12.51	14.00	12.02	13.50	15.28	17.00	9.47	11.00	9.06	10.50	12.32	14.00	9.06	10.50				
	802.11ax-HE80 MCS0	171	6805	11.41	12.50	11.32	12.50	14.38	16.00	11.41	12.50	11.32	12.50	14.38	16.00	11.32	12.50	86.77			
		227	7085	12.10	13.50	10.53	12.00	14.40	16.00	12.04	13.50	10.51	12.00	14.37	16.00	10.51	12.00				
		7	5985	15.58	17.00	16.01	17.50	18.81	20.50	11.46	13.00	11.47	13.00	14.34	16.00	11.47	13.00				
		71	6305	16.01	17.50	16.06	17.50	19.05	20.50	10.09	11.50	10.42	12.00	13.27	15.00	10.42	12.00				
		119	6545	16.25	18.00	16.32	18.00	19.30	21.00	9.53	11.00	9.48	11.00	12.51	14.00	9.48	11.00				
		167	6785	16.45	18.00	17.06	18.50	19.78	21.50	12.48	14.00	12.23	14.00	15.63	17.00	12.23	14.00				
		215	7025	16.52	18.00	15.31	17.00	18.97	20.50	13.12	14.50	13.50	15.00	16.07	17.50	13.50	15.00				

BT 2.0 Ant6 Full power

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	16.82	13.32	13.97
	CH 39	2441	16.93	14.22	14.15
	CH 78	2480	16.84	13.19	13.28
Tune-up Limit			18.00	15.00	15.00

BT 2.0 Ant6 For Head Simultaneous

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	12.44	9.27	9.91
	CH 39	2441	12.57	10.16	10.20
	CH 78	2480	12.49	9.11	9.28
Tune-up Limit			14.00	11.00	11.00

BT 2.0 Ant6 For Hotspot

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	15.29	12.36	12.83
	CH 39	2441	15.96	13.10	13.05
	CH 78	2480	15.80	12.15	12.41
Tune-up Limit			17.00	14.00	14.00

BLE_1M Ant6 Full power

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	6.30
	CH 19	2440	6.64
	CH 39	2480	5.42
Tune-up Limit			7.00

BLE_2M Ant6 Full power

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	6.44
	CH 19	2440	6.89
	CH 39	2480	5.66
Tune-up Limit			7.00