



REPORT No.: SZ24040089S01

## Annex E Conducted Power

**Note:**

Conducted power unit: dBm

The target power was recorded in the manufacturer's document.

**Full Power**

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	Ch Delta > 0.5
	128	189	251		128	189	251		
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8		
Frequency (MHz)									
GSM 1 Tx slot	32.09	32.18	32.11	33.00	23.09	23.18	23.11	24.00	0.16
GPRS 1 Tx slot	32.15	32.25	32.19	33.00	23.15	23.25	23.19	24.00	
GPRS 2 Tx slots	30.11	30.13	30.01	31.00	24.11	24.13	24.01	25.00	0.12
GPRS 3 Tx slots	28.23	28.21	28.04	29.00	23.97	23.95	23.78	24.74	0.19
GPRS 4 Tx slots	26.08	26.03	25.93	26.50	23.08	23.03	22.93	23.50	0.15
EDGE 1 Tx slot	25.48	25.58	25.24	26.00	16.48	16.58	16.24	17.00	0.34
EDGE 2 Tx slots	24.29	24.34	24.20	25.50	18.29	18.34	18.20	19.50	0.14
EDGE 3 Tx slots	22.11	22.09	22.01	22.50	17.85	17.83	17.75	18.24	0.10
EDGE 4 Tx slots	19.32	19.41	19.23	20.50	16.32	16.41	16.23	17.50	0.18
Mode		Max.	32.25			Max.	24.13		
Attenuator	Cable Loss : 0.6								

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	Ch Delta > 0.5
	512	661	810		512	661	810		
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8		
Frequency (MHz)									
GSM 1 Tx slot	29.09	29.11	29.03	30.00	20.09	20.11	20.03	21.00	0.39
GPRS 1 Tx slot	29.38	29.42	29.24	30.00	20.38	20.42	20.24	21.00	
GPRS 2 Tx slots	27.05	27.22	27.06	28.00	21.05	21.22	21.06	22.00	0.17
GPRS 3 Tx slots	25.42	25.57	25.38	26.50	21.16	21.31	21.12	22.24	0.19
GPRS 4 Tx slots	23.31	23.55	23.47	24.50	20.31	20.55	20.47	21.50	0.24
EDGE 1 Tx slot	26.11	26.26	26.13	27.50	17.11	17.26	17.13	18.50	0.15
EDGE 2 Tx slots	24.03	24.13	24.00	25.00	18.03	18.13	18.00	19.00	0.13
EDGE 3 Tx slots	21.86	21.86	21.73	22.50	17.60	17.60	17.47	18.24	0.13
EDGE 4 Tx slots	19.53	19.63	19.50	20.50	16.53	16.63	16.50	17.50	0.13
Mode		Max.	29.42			Max.	21.31		
Attenuator	Cable Loss : 0.8								

Band	WCDMA Band II (dBm)			Tune-up Limit (dBm)	WCDMA Band IV (dBm)			Tune-up Limit (dBm)	WCDMA Band V (dBm)			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513		4132	4182	4233		
TX Channel	9662	9800	9938		1537	1638	1738		4357	4407	4458		
Rx Channel													
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6		
3GPP Rel 99	RMC 12.2Kbps	22.63	22.81	22.79	23.50	22.67	22.77	22.59	23.50	23.08	23.11	22.89	23.50
3GPP Rel 5	HSDPA Subtest-1	22.11	21.71	22.01	22.50	21.79	21.79	21.70	22.50	21.69	21.82	21.72	22.50
3GPP Rel 5	HSDPA Subtest-2	21.88	21.45	21.76	22.50	21.90	21.87	21.77	22.50	21.59	21.68	21.55	22.00
3GPP Rel 5	HSDPA Subtest-3	21.23	20.75	21.12	21.50	21.90	21.87	21.76	22.50	21.39	21.45	21.48	22.00
3GPP Rel 5	HSDPA Subtest-4	21.24	21.33	21.67	22.00	21.89	21.89	21.79	22.50	21.20	21.33	21.38	22.00
3GPP Rel 6	HSUPA Subtest-1	22.18	21.73	22.05	22.50	21.77	21.86	21.80	22.50	22.54	22.58	22.57	23.00
3GPP Rel 6	HSUPA Subtest-2	22.20	21.78	21.96	22.50	21.76	21.90	21.77	22.50	22.44	22.51	22.50	23.00
3GPP Rel 6	HSUPA Subtest-3	22.28	21.95	22.06	22.50	21.83	21.93	21.82	22.50	22.54	22.59	22.49	23.00
3GPP Rel 6	HSUPA Subtest-4	22.15	21.68	21.84	22.50	21.74	21.93	21.72	22.50	22.41	22.47	22.51	23.00
3GPP Rel 6	HSUPA Subtest-5	22.25	21.80	22.04	22.50	21.76	21.83	21.82	22.50	22.50	22.59	22.53	23.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	22.49	22.01	22.19	23.00	21.96	21.95	21.84	22.50	22.66	22.71	22.61	23.00
Attenuator			Cable Loss	0.8			Cable Loss	0.8			Cable Loss	0.6	
Mode		Max.	22.81			Max.	22.77			Max.	23.11		





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3	64QAM	1	14	21.92	21.93	21.78	21.5
3	64QAM	8	0	20.93	21.02	20.90	
3	64QAM	8	4	20.90	21.00	20.83	
3	64QAM	8	7	20.68	20.88	20.84	
3	64QAM	15	0	20.76	20.95	20.78	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	23.53	23.59	23.56	24
1.4	QPSK	1	3	23.20	23.38	23.27	
1.4	QPSK	1	5	23.13	23.16	23.19	
1.4	QPSK	3	0	22.27	22.40	22.38	
1.4	QPSK	3	1	22.35	22.46	22.27	
1.4	QPSK	3	3	22.26	22.40	22.18	
1.4	QPSK	6	0	22.33	22.37	22.25	23
1.4	16QAM	1	0	22.75	22.84	22.68	23.5
1.4	16QAM	1	3	22.69	22.75	22.74	
1.4	16QAM	1	5	22.58	22.60	22.52	
1.4	16QAM	3	0	21.60	21.68	21.63	
1.4	16QAM	3	1	21.57	21.66	21.61	
1.4	16QAM	3	3	21.44	21.51	21.43	
1.4	16QAM	6	0	21.48	21.67	21.52	22
1.4	64QAM	1	0	21.97	22.09	21.98	22.5
1.4	64QAM	1	3	21.82	22.01	21.90	
1.4	64QAM	1	5	21.92	21.93	21.78	
1.4	64QAM	3	0	20.93	21.02	20.90	
1.4	64QAM	3	1	20.90	21.00	20.83	
1.4	64QAM	3	3	20.68	20.88	20.84	
1.4	64QAM	6	0	20.76	20.95	20.78	21.5

3	64QAM	1	14	22.08	22.09	22.05	21.5
3	64QAM	8	0	20.77	20.85	20.83	
3	64QAM	8	4	20.73	20.83	20.79	
3	64QAM	8	7	20.85	20.89	20.79	
3	64QAM	15	0	20.87	20.95	20.88	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	23.43	23.47	23.45	24
1.4	QPSK	1	3	23.26	23.34	23.27	
1.4	QPSK	1	5	23.31	23.36	23.29	
1.4	QPSK	3	0	22.34	22.36	22.33	
1.4	QPSK	3	1	22.33	22.34	22.24	
1.4	QPSK	3	3	22.24	22.29	22.19	
1.4	QPSK	6	0	22.26	22.31	22.28	23
1.4	16QAM	1	0	22.83	22.89	22.87	23.5
1.4	16QAM	1	3	22.78	22.85	22.80	
1.4	16QAM	1	5	22.79	22.82	22.80	
1.4	16QAM	3	0	21.56	21.65	21.60	
1.4	16QAM	3	1	21.60	21.69	21.59	
1.4	16QAM	3	3	21.63	21.71	21.63	
1.4	16QAM	6	0	21.65	21.68	21.71	22
1.4	64QAM	1	0	22.01	22.03	21.97	22.5
1.4	64QAM	1	3	21.95	21.97	21.91	
1.4	64QAM	1	5	22.00	22.01	21.97	
1.4	64QAM	3	0	20.69	20.77	20.75	
1.4	64QAM	3	1	20.65	20.75	20.71	
1.4	64QAM	3	3	20.77	20.81	20.71	
1.4	64QAM	6	0	20.79	20.87	20.80	21.5



Band 12 (700MHz Low Band) (dBm) Part 27F(only on channel required)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				23050	23095	23130	
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	23.38	23.42	23.41	24
10	QPSK	1	25	23.16	23.18	23.10	
10	QPSK	1	49	23.07	23.17	23.07	
10	QPSK	25	0	22.17	22.19	22.13	23
10	QPSK	25	12	22.12	22.15	22.06	
10	QPSK	25	25	22.06	22.16	22.11	
10	QPSK	50	0	22.16	22.17	22.15	23
10	16QAM	1	0	22.45	22.47	22.37	
10	16QAM	1	25	22.31	22.41	22.38	
10	16QAM	1	49	22.37	22.45	22.44	22
10	16QAM	25	0	21.27	21.34	21.27	
10	16QAM	25	12	21.21	21.31	21.26	
10	16QAM	25	25	21.18	21.26	21.21	23
10	16QAM	50	0	21.22	21.28	21.19	
10	64QAM	1	0	22.44	22.48	22.41	
10	64QAM	1	25	22.34	22.43	22.40	22
10	64QAM	1	49	22.38	22.39	22.29	
10	64QAM	25	0	21.20	21.21	21.14	
10	64QAM	25	12	21.27	21.30	21.25	22
10	64QAM	25	25	21.18	21.26	21.21	
10	64QAM	50	0	21.23	21.27	21.21	
Channel				23035	23095	23155	
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	23.20	23.24	23.23	24
5	QPSK	1	12	22.98	23.00	22.92	
5	QPSK	1	24	22.89	22.99	22.89	
5	QPSK	12	0	21.99	22.01	21.95	23
5	QPSK	12	7	21.94	21.97	21.88	
5	QPSK	12	13	21.85	21.98	21.93	
5	QPSK	25	0	21.98	21.99	21.97	23
5	16QAM	1	0	22.27	22.29	22.19	
5	16QAM	1	12	22.13	22.23	22.20	
5	16QAM	1	24	22.19	22.27	22.26	22
5	16QAM	12	0	21.09	21.16	21.09	
5	16QAM	12	7	21.03	21.13	21.08	
5	16QAM	12	13	21.00	21.08	21.03	23
5	16QAM	25	0	21.04	21.10	21.01	
5	64QAM	1	0	22.26	22.30	22.23	
5	64QAM	1	12	22.16	22.25	22.22	22
5	64QAM	1	24	22.20	22.21	22.11	
5	64QAM	12	0	21.02	21.03	20.96	
5	64QAM	12	7	21.09	21.12	21.07	22
5	64QAM	12	13	21.00	21.08	21.03	
5	64QAM	25	0	21.05	21.09	21.03	
Channel				23025	23095	23165	
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	23.16	23.24	23.07	24
3	QPSK	1	8	23.09	23.11	23.05	
3	QPSK	1	14	23.02	23.10	23.03	
3	QPSK	8	0	22.14	22.15	22.05	23
3	QPSK	8	4	22.10	22.12	22.06	
3	QPSK	8	7	22.06	22.10	22.03	
3	QPSK	15	0	22.02	22.11	22.05	23
3	16QAM	1	0	22.25	22.35	22.25	
3	16QAM	1	8	22.13	22.22	22.18	
3	16QAM	1	14	22.30	22.33	22.26	22
3	16QAM	8	0	21.00	21.07	21.05	
3	16QAM	8	4	20.95	21.04	20.98	
3	16QAM	8	7	21.00	21.10	21.00	22.5
3	16QAM	15	0	21.06	21.16	21.07	
3	64QAM	1	0	22.10	22.15	22.06	
3	64QAM	1	8	22.06	22.13	22.06	22
3	64QAM	1	14	22.08	22.17	22.14	
3	64QAM	8	0	21.06	21.08	21.02	
3	64QAM	8	4	21.09	21.12	21.08	21.5
3	64QAM	8	7	21.06	21.14	21.10	
3	64QAM	15	0	21.01	21.10	21.00	
Channel				23017	23095	23173	
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	23.11	23.19	23.02	23.5
1.4	QPSK	1	3	23.04	23.06	23.00	
1.4	QPSK	1	5	22.97	23.05	22.98	
1.4	QPSK	3	0	22.09	22.10	22.00	22.5
1.4	QPSK	3	1	22.05	22.07	22.01	
1.4	QPSK	3	3	22.01	22.05	22.00	
1.4	QPSK	6	0	21.97	22.06	22.00	23
1.4	16QAM	1	0	22.20	22.30	22.20	
1.4	16QAM	1	3	22.08	22.17	22.13	
1.4	16QAM	1	5	22.25	22.28	22.21	21.5
1.4	16QAM	3	0	21.13	21.02	21.00	
1.4	16QAM	3	1	21.10	21.09	21.09	
1.4	16QAM	3	3	21.10	21.05	21.08	22.5
1.4	16QAM	6	0	21.01	21.11	21.02	
1.4	64QAM	1	0	22.05	22.10	22.01	
1.4	64QAM	1	3	22.01	22.08	22.01	21.5
1.4	64QAM	1	5	22.03	22.12	22.09	
1.4	64QAM	3	0	21.01	21.03	20.97	
1.4	64QAM	3	1	21.04	21.07	21.03	21.5
1.4	64QAM	3	3	21.01	21.09	21.05	
1.4	64QAM	6	0	20.96	21.05	20.95	

Band 17 (700MHz Band) (dBm) Part 27H(only on channel required)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				23780	23790	23800	
Frequency (MHz)				709	710	711	
10	QPSK	1	0	23.25	23.33	23.16	24
10	QPSK	1	25	23.18	23.20	23.14	
10	QPSK	1	49	23.11	23.19	23.12	
10	QPSK	25	0	22.23	22.24	22.14	23
10	QPSK	25	12	22.19	22.21	22.15	
10	QPSK	25	25	22.15	22.19	22.12	
10	QPSK	50	0	22.11	22.20	22.14	23
10	16QAM	1	0	22.34	22.44	22.34	
10	16QAM	1	25	22.22	22.31	22.27	
10	16QAM	1	49	22.39	22.42	22.35	22
10	16QAM	25	0	21.09	21.16	21.14	
10	16QAM	25	12	21.04	21.13	21.07	
10	16QAM	25	25	21.09	21.19	21.09	23
10	16QAM	50	0	21.15	21.25	21.16	
10	64QAM	1	0	22.19	22.24	22.15	
10	64QAM	1	25	22.15	22.22	22.15	22
10	64QAM	1	49	22.17	22.26	22.23	
10	64QAM	25	0	21.15	21.17	21.11	
10	64QAM	25	12	21.18	21.21	21.17	22
10	64QAM	25	25	21.15	21.23	21.19	
10	64QAM	50	0	21.10	21.19	21.09	
Channel				23755	23790	23825	
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	23.20	23.28	23.11	24
5	QPSK	1	12	23.13	23.15	23.09	
5	QPSK	1	24	23.06	23.14	23.07	
5	QPSK	12	0	22.18	22.19	22.09	23
5	QPSK	12	7	22.14	22.16	22.10	
5	QPSK	12	13	22.10	22.14	22.07	
5	QPSK	25	0	22.06	22.15	22.09	23
5	16QAM	1	0	22.29	22.39	22.29	
5	16QAM	1	12	22.17	22.26	22.22	
5	16QAM	1	24	22.34	22.37	22.30	22
5	16QAM	12	0	21.04	21.11	21.09	
5	16QAM	12	7	20.99	21.08	21.02	
5	16QAM	12	13	21.04	21.14	21.04	23
5	16QAM	25	0	21.10	21.20	21.11	
5	64QAM	1	0	22.14	22.19	22.10	
5	64QAM	1	12	22.10	22.17	22.10	22
5	64QAM	1	24	22.12	22.21	22.18	
5	64QAM	12	0	21.10	21.12	21.06	
5	64QAM	12	7	21.13	21.16	21.12	22
5	64QAM	12	13	21.10	21.18	21.14	
5	64QAM	25	0	21.05	21.14	21.04	





3	64QAM	1	14	22.47	22.52	22.47	22
3	64QAM	8	0	21.45	21.46	21.40	
3	64QAM	8	4	21.49	21.52	21.46	
3	64QAM	8	7	21.48	21.55	21.45	
3	64QAM	15	0	21.42	21.51	21.48	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	23.51	23.54	23.39	24
1.4	QPSK	1	3	23.24	23.34	23.33	
1.4	QPSK	1	5	23.29	23.36	23.29	
1.4	QPSK	3	0	22.43	22.47	22.42	
1.4	QPSK	3	1	22.42	22.43	22.39	
1.4	QPSK	3	3	22.40	22.42	22.35	
1.4	QPSK	6	0	22.35	22.45	22.37	23
1.4	16QAM	1	0	22.60	22.83	22.57	23.5
1.4	16QAM	1	3	22.55	22.61	22.59	
1.4	16QAM	1	5	22.61	22.64	22.57	
1.4	16QAM	3	0	21.53	21.55	21.49	
1.4	16QAM	3	1	21.46	21.52	21.50	
1.4	16QAM	3	3	21.40	21.50	21.49	
1.4	16QAM	6	0	21.40	21.48	21.43	22
1.4	64QAM	1	0	22.47	22.49	22.39	23
1.4	64QAM	1	3	22.37	22.44	22.39	
1.4	64QAM	1	5	22.43	22.48	22.43	
1.4	64QAM	3	0	21.41	21.42	21.36	
1.4	64QAM	3	1	21.45	21.48	21.42	
1.4	64QAM	3	3	21.44	21.51	21.41	
1.4	64QAM	6	0	21.38	21.47	21.44	22



2.4GHz WLAN ANT 1

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11b 1Mbps	CH 1	2412	15.35	16.00	13.00	98.17
	CH 7	2442	15.97	16.50	14.00	
	CH 13	2472	11.55	12.50	8.00	
802.11g 6Mbps	CH 1	2412	14.53	15.00	10.00	90.63
	CH 7	2442	13.30	14.00	10.00	
	CH 13	2472	7.61	8.50	3.00	
802.11n-HT20 MCS0	CH 1	2412	13.15	13.50	9.00	89.07
	CH 7	2442	12.15	13.00	9.00	
	CH 13	2472	6.49	7.00	2.00	
802.11n-HT40 MCS0	CH 3	2422	12.80	13.50	9.00	80.55
	CH 7	2442	12.07	13.00	9.00	
	CH 11	2462	7.27	8.00	4.00	

5GHz WLAN ANT 1

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11a 6Mbps	CH 36	5180	11.74	12.50	9.00	90.26
	CH 44	5220	11.42	12.00	9.00	
	CH 48	5240	11.71	12.50	9.00	
802.11n-HT20 MCS0	CH 36	5180	11.91	12.50	9.00	88.64
	CH 44	5220	11.60	12.00	9.00	
	CH 48	5240	11.58	12.00	9.00	
802.11n-HT40 MCS0	CH 38	5190	11.55	12.00	8.00	79.45
	CH 46	5230	11.27	12.00	8.00	
	CH 36	5180	11.78	12.50	9.00	
802.11ac-VHT20 MCS0	CH 44	5220	11.48	12.00	9.00	89.39
	CH 48	5240	11.47	12.00	9.00	
	CH 38	5190	11.60	12.00	8.00	
802.11ac-VHT40 MCS0	CH 46	5230	11.28	12.00	8.00	80.82
	CH 42	5210	11.46	12.00	8.00	

5GHz WLAN ANT 1

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11a 6Mbps	CH 52	5280	11.76	12.50	9.00	90.85
	CH 60	5300	11.54	12.00	9.00	
	CH 64	5320	11.20	12.00	9.00	
802.11n-HT20 MCS0	CH 52	5280	11.70	12.50	9.00	89.31
	CH 60	5300	11.37	12.00	9.00	
	CH 64	5320	11.07	11.50	9.00	
802.11n-HT40 MCS0	CH 54	5270	10.83	11.50	8.00	80.56
	CH 62	5310	11.09	11.50	8.00	
	CH 52	5280	11.48	12.00	9.00	
802.11ac-VHT20 MCS0	CH 60	5300	11.33	12.00	9.00	89.39
	CH 64	5320	11.03	11.50	9.00	
	CH 54	5270	10.86	11.50	8.00	
802.11ac-VHT40 MCS0	CH 62	5310	11.08	11.50	8.00	77.63
	CH 58	5290	10.77	11.50	8.00	

5GHz WLAN ANT 1

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11a 6Mbps	CH 100	5500	11.32	11.50	9.00	90.85
	CH 120	5600	10.79	11.50	9.00	
	CH 140	5700	9.71	10.50	9.00	
802.11n-HT20 MCS0	CH 100	5500	11.57	12.00	9.00	88.64
	CH 120	5600	11.10	11.50	9.00	
	CH 140	5700	10.16	10.50	9.00	
802.11n-HT40 MCS0	CH 102	5510	11.13	11.50	8.00	79.45
	CH 128	5630	10.14	10.50	8.00	
	CH 134	5670	8.91	9.50	8.00	
802.11ac-VHT20 MCS0	CH 100	5500	11.58	12.00	9.00	89.47
	CH 120	5600	11.09	11.50	9.00	
	CH 140	5700	10.02	10.50	9.00	
802.11ac-VHT40 MCS0	CH 102	5510	11.15	11.50	8.00	80.82
	CH 128	5630	9.59	10.00	8.00	
	CH 134	5670	8.89	9.50	8.00	
802.11ac-VHT80 MCS0	CH 106	5530	11.27	11.50	8.00	69.77
	CH 122	5610	9.88	10.50	8.00	

5GHz WLAN ANT 1

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11a 6Mbps	CH 149	5745	9.71	10.00	9.00	90.85
	CH 157	5785	10.11	10.50	9.00	
	CH 165	5825	10.81	11.00	9.00	
802.11n-HT20 MCS0	CH 149	5745	10.42	11.00	9.00	88.64
	CH 157	5785	10.68	11.00	9.00	
	CH 165	5825	10.75	11.00	9.00	
802.11n-HT40 MCS0	CH 151	5755	11.18	11.50	9.00	86.56
	CH 159	5795	10.84	11.50	9.00	
	CH 149	5745	10.32	10.50	9.00	
802.11ac-VHT20 MCS0	CH 157	5785	10.68	11.00	9.00	88.72
	CH 165	5825	10.75	11.00	9.00	
	CH 151	5755	10.95	11.50	9.00	
802.11ac-VHT40 MCS0	CH 159	5795	10.87	11.50	9.00	80.82
	CH 155	5775	11.00	11.50	9.00	

Mode	Channel	Frequency (MHz)	1Mbps		2Mbps		3Mbps	
			Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit
BR / EDR	CH 00	2402	8.31	10.00	6.54	8.50	6.60	8.50
	CH 39	2441	7.74	9.50	6.78	8.50	6.60	8.50
	CH 78	2480	7.84	9.50	6.03	8.00	5.98	8.00
Power Setting			9		9		9	
Duty Cycle %			77.63		78.13		77.93	

Mode	Channel	Frequency (MHz)	Average power (dBm)	
			QPSK	QAM
LE	CH 00	2402	-2.98	-2.85
	CH 19	2440	-2.55	-2.50
	CH 39	2480	-2.62	-2.61
Tune-up Limit			1.00	1.00
Power Setting			default	default
Duty Cycle %			32.80	34.37

**Reduced Power Level 1 for Head**

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
	1850.2	1880	1909.8		1850.2	1880	1909.8	
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	27.09	27.11	27.03	28.00	18.09	18.11	18.03	19.00
GPRS 1 Tx slot	27.38	27.42	27.24	28.00	18.38	18.42	18.24	19.00
GPRS 2 Tx slots	25.05	25.22	25.06	26.00	19.05	19.22	19.06	20.00
GPRS 3 Tx slots	23.42	23.57	23.38	24.50	19.16	19.31	19.12	20.24
GPRS 4 Tx slots	21.31	21.55	21.47	22.50	18.31	18.55	18.47	19.50
EDGE 1 Tx slot	24.11	24.26	24.13	25.50	15.11	15.26	15.13	16.50
EDGE 2 Tx slots	22.03	22.13	22.00	23.00	16.03	16.13	16.00	17.00
EDGE 3 Tx slots	19.86	19.86	19.73	20.50	15.60	15.60	15.47	16.24
EDGE 4 Tx slots	17.53	17.63	17.50	18.50	14.53	14.63	14.50	15.50
Mode		Max.	27.42			Max.	19.31	
Attenuator	Cable Loss : 0.8							

Band	WCDMA Band II (dBm)			Tune-up Limit (dBm)	WCDMA Band IV (dBm)			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513		
	9662	9800	9938		1537	1638	1738		
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	RMC 12.2Kbps	18.63	18.81	18.79	19.50	18.17	18.27	18.09	19.00
3GPP Rel 5	HSDPA Subtest-1	18.11	17.71	18.01	18.50	17.29	17.29	17.20	18.00
3GPP Rel 5	HSDPA Subtest-2	17.88	17.45	17.76	18.50	17.40	17.37	17.27	18.00
3GPP Rel 5	HSDPA Subtest-3	17.23	16.75	17.12	17.50	17.40	17.37	17.26	18.00
3GPP Rel 5	HSDPA Subtest-4	17.24	17.33	17.67	18.00	17.39	17.39	17.29	18.00
3GPP Rel 6	HSUPA Subtest-1	18.18	17.73	18.05	19.00	17.27	17.36	17.30	18.00
3GPP Rel 6	HSUPA Subtest-2	18.20	17.78	17.96	19.00	17.26	17.40	17.27	18.00
3GPP Rel 6	HSUPA Subtest-3	18.28	17.95	18.06	19.00	17.33	17.43	17.32	18.00
3GPP Rel 6	HSUPA Subtest-4	18.15	17.68	17.84	19.00	17.24	17.43	17.22	18.00
3GPP Rel 6	HSUPA Subtest-5	18.25	17.80	18.04	19.00	17.26	17.33	17.32	18.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	18.49	18.01	18.19	19.00	17.46	17.45	17.34	18.00
Attenuator	Cable Loss			0.8		Cable Loss			0.8
Mode		Max.	18.81			Max.	18.27		

Band 2 (1900MHz Band) (dBm) Part 24E							
BW (MHz)	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	19.39	19.45	19.43	
20	QPSK	1	49	19.06	19.24	19.13	20.5
20	QPSK	1	99	18.99	19.02	19.05	
20	QPSK	50	0	18.13	18.32	18.24	
20	QPSK	50	24	18.21	18.29	18.13	19.5
20	QPSK	50	50	18.12	18.26	18.04	
20	QPSK	100	0	18.19	18.23	18.11	
20	16QAM	1	0	18.61	18.70	18.54	19.5
20	16QAM	1	49	18.55	18.61	18.60	
20	16QAM	1	99	18.44	18.46	18.38	
20	16QAM	50	0	17.46	17.54	17.49	18.5
20	16QAM	50	24	17.43	17.52	17.47	
20	16QAM	50	50	17.30	17.37	17.29	
20	16QAM	100	0	17.34	17.53	17.38	18.5
20	64QAM	1	0	17.83	17.95	17.84	
20	64QAM	1	49	17.68	17.87	17.76	
20	64QAM	1	99	17.78	17.79	17.64	18.5
20	64QAM	50	0	16.79	16.88	16.76	
20	64QAM	50	24	16.76	16.86	16.69	
20	64QAM	50	50	16.54	16.74	16.70	17.5
20	64QAM	100	0	16.62	16.81	16.64	
Channel				18675	18900	19125	
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	19.30	19.36	19.33	
15	QPSK	1	37	18.97	19.15	19.04	
15	QPSK	1	74	18.90	18.93	18.96	
15	QPSK	36	0	18.04	18.17	18.15	
15	QPSK	36	20	18.12	18.23	18.04	19.5
15	QPSK	36	39	18.03	18.17	17.95	
15	QPSK	75	0	18.10	18.14	18.02	
15	16QAM	1	0	18.52	18.61	18.45	19.5
15	16QAM	1	37	18.46	18.52	18.51	
15	16QAM	1	74	18.35	18.37	18.29	
15	16QAM	36	0	17.37	17.45	17.40	18.5
15	16QAM	36	20	17.34	17.43	17.38	
15	16QAM	36	39	17.21	17.28	17.20	
15	16QAM	75	0	17.25	17.44	17.29	18.5
15	64QAM	1	0	17.74	17.86	17.75	
15	64QAM	1	37	17.59	17.78	17.67	
15	64QAM	1	74	17.69	17.70	17.55	18.5
15	64QAM	36	0	16.70	16.79	16.67	
15	64QAM	36	20	16.67	16.77	16.60	
15	64QAM	36	39	16.45	16.65	16.61	17.5
15	64QAM	75	0	16.53	16.72	16.55	
Channel				18650	18900	19150	
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	19.21	19.27	19.24	
10	QPSK	1	25	18.88	19.06	18.95	
10	QPSK	1	49	18.81	18.84	18.87	
10	QPSK	25	0	17.95	18.08	18.06	
10	QPSK	25	12	18.03	18.14	17.95	19.5
10	QPSK	25	25	17.94	18.08	17.86	
10	QPSK	50	0	18.01	18.05	17.93	
10	16QAM	1	0	18.43	18.52	18.38	19.5
10	16QAM	1	25	18.37	18.43	18.42	
10	16QAM	1	49	18.26	18.28	18.20	
10	16QAM	25	0	17.28	17.36	17.31	18.5
10	16QAM	25	12	17.25	17.34	17.29	
10	16QAM	25	25	17.12	17.19	17.11	
10	16QAM	50	0	17.16	17.35	17.20	18.5
10	64QAM	1	0	17.65	17.77	17.66	
10	64QAM	1	25	17.50	17.69	17.58	
10	64QAM	1	49	17.60	17.61	17.46	18.5
10	64QAM	25	0	16.61	16.70	16.58	
10	64QAM	25	12	16.58	16.68	16.51	
10	64QAM	25	25	16.36	16.56	16.52	17.5
10	64QAM	50	0	16.44	16.63	16.46	
Channel				18625	18900	19175	
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	19.12	19.18	19.15	
5	QPSK	1	12	18.79	18.97	18.86	
5	QPSK	1	24	18.72	18.75	18.78	
5	QPSK	12	0	17.86	17.99	17.97	
5	QPSK	12	7	17.94	18.05	17.86	19.5
5	QPSK	12	13	17.85	17.99	17.77	
5	QPSK	25	0	17.92	17.96	17.84	
5	16QAM	1	0	18.34	18.43	18.27	19.5
5	16QAM	1	12	18.28	18.34	18.33	
5	16QAM	1	24	18.17	18.19	18.11	
5	16QAM	12	0	17.19	17.27	17.22	18.5
5	16QAM	12	7	17.16	17.25	17.20	
5	16QAM	12	13	17.03	17.10	17.02	
5	16QAM	25	0	17.07	17.26	17.11	18.5
5	64QAM	1	0	17.56	17.68	17.57	
5	64QAM	1	12	17.41	17.60	17.49	
5	64QAM	1	24	17.51	17.52	17.37	18.5
5	64QAM	12	0	16.52	16.61	16.49	
5	64QAM	12	7	16.49	16.59	16.42	
5	64QAM	12	13	16.27	16.47	16.43	17.5
5	64QAM	25	0	16.35	16.54	16.37	
Channel				18615	18900	19185	
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	19.03	19.09	19.06	
3	QPSK	1	8	18.70	18.88	18.77	
3	QPSK	1	14	18.63	18.66	18.69	
3	QPSK	6	0	17.77	17.96	17.88	
3	QPSK	6	4	17.85	17.96	17.77	19.5
3	QPSK	6	7	17.76	17.90	17.69	
3	QPSK	15	0	17.83	17.87	17.75	
3	16QAM	1	0	18.25	18.34	18.19	19.5
3	16QAM	1	8	18.19	18.25	18.24	
3	16QAM	1	14	18.08	18.10	18.02	
3	16QAM	6	0	17.10	17.18	17.13	18.5
3	16QAM	6	4	17.07	17.16	17.11	
3	16QAM	6	7	16.94	17.01	16.93	
3	16QAM	15	0	16.98	17.17	17.02	18.5
3	64QAM	1	0	17.47	17.59	17.48	
3	64QAM	1	8	17.32	17.51	17.40	
3	64QAM	1	14	17.42	17.43	17.28	18.5
3	64QAM	6	0	16.43	16.52	16.40	
3	64QAM	6	4	16.40	16.50	16.33	
3	64QAM	6	7	16.18	16.38	16.34	17.5
3	64QAM	6	15	16.28	16.45	16.28	

Band 4 (AWS Band) (dBm) Part 27L (only on channel required)							
BW (MHz)	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	20.79	20.83	20.81	
20	QPSK	1	49	20.62	20.70	20.63	21.5
20	QPSK	1	99	20.67	20.74	20.65	
20	QPSK	50	0	19.70	19.72	19.69	
20	QPSK	50	24	19.69	19.70	19.60	20.5
20	QPSK	50	50	19.60	19.65	19.55	
20	QPSK	100	0	19.62	19.67	19.64	
20	16QAM	1	0	20.19	20.25	20.23	20.5
20	16QAM	1	49	20.14	20.21	20.16	
20	16QAM	1	99	20.15	20.18	20.16	
20	16QAM	50	0	18.92	19.01	18.96	19.5
20	16QAM	50	24	18.96	19.05	18.95	
20	16QAM	50	50	18.99	19.07	18.99	
20	16QAM	100	0	19.01	19.04	19.07	19.5
20	64QAM	1	0	19.37	19.39	19.33	
20	64QAM	1	49	19.31	19.33	19.27	
20	64QAM	1	99	19.36	19.37	19.33	19.5
20	64QAM	50	0	18.05	18.13	18.11	
20	64QAM	50	24	18.01	18.11	18.07	
20	64QAM	50	50	18.13	18.17	18.07	18.5
20	64QAM	100	0	18.15	18.23	18.16	
Channel				20025	20175	20325	
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	20.72	20.79	20.74	
15	QPSK	1	37	20.55	20.63	20.56	
15	QPSK	1	74	20.60	20.67	20.58	
15	QPSK	36	0	19.63	19.65	19.62	
15	QPSK	36	20	19.62	19.63	19.53	20.5
15	QPSK	36	39	19.53	19.58	19.48	
15	QPSK	75	0	19.55	19.60	19.57	
15	16QAM	1	0	20.12	20.18	20.16	20.5
15	16QAM	1	37	20.07	20.14	20.09	
15	16QAM	1	74	20.08	20.11	20.09	
15	16QAM	36	0	18.85	18.94	18.89	19.5
15	16QAM	36	20	18.89	18.98	18.88	
15	16QAM	36	39	18.92	19.00	18.92	
15	16QAM	75	0	18.94	18.97	19.00	19.5
15	64QAM	1	0	19.30	19.32	19.26	
15	64QAM	1	37	19.24	19.26	19.20	
15	64QAM	1	74	19.29	19.30	19.26	19.5
15	64QAM	36	0	17.98	18.06	18.04	
15	64QAM	36	20	17.94	18.04	18.00	
15	64QAM	36	39	18.06	18.10	18.00	18.5



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Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	19.03	19.09	19.06	20.5
1.4	QPSK	1	3	18.70	18.88	18.77	
1.4	QPSK	1	5	18.63	18.66	18.69	
1.4	QPSK	3	0	17.77	17.90	17.88	
1.4	QPSK	3	1	17.85	17.96	17.77	
1.4	QPSK	3	3	17.76	17.90	17.68	
1.4	QPSK	6	0	17.83	17.87	17.75	19.5
1.4	16QAM	1	0	18.25	18.34	18.18	19.5
1.4	16QAM	1	3	18.19	18.25	18.24	
1.4	16QAM	1	5	18.08	18.10	18.02	
1.4	16QAM	3	0	17.10	17.18	17.13	
1.4	16QAM	3	1	17.07	17.16	17.11	
1.4	16QAM	3	3	16.94	17.01	16.93	
1.4	16QAM	6	0	16.98	17.17	17.02	18.5
1.4	64QAM	1	0	17.47	17.59	17.48	18.5
1.4	64QAM	1	3	17.32	17.51	17.40	
1.4	64QAM	1	5	17.42	17.43	17.28	
1.4	64QAM	3	0	16.43	16.52	16.40	
1.4	64QAM	3	1	16.40	16.50	16.33	
1.4	64QAM	3	3	16.18	16.38	16.34	
1.4	64QAM	6	0	16.26	16.45	16.28	17.5

Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	20.43	20.47	20.45	21.5
1.4	QPSK	1	3	20.26	20.34	20.27	
1.4	QPSK	1	5	20.31	20.38	20.29	
1.4	QPSK	3	0	19.34	19.36	19.33	
1.4	QPSK	3	1	19.33	19.34	19.24	
1.4	QPSK	3	3	19.24	19.29	19.19	
1.4	QPSK	6	0	19.26	19.31	19.28	20.5
1.4	16QAM	1	0	19.83	19.89	19.87	20.5
1.4	16QAM	1	3	19.78	19.85	19.80	
1.4	16QAM	1	5	19.79	19.82	19.80	
1.4	16QAM	3	0	18.56	18.65	18.60	
1.4	16QAM	3	1	18.60	18.69	18.59	
1.4	16QAM	3	3	18.63	18.71	18.63	
1.4	16QAM	6	0	18.65	18.68	18.71	19.5
1.4	64QAM	1	0	19.01	19.03	18.97	19.5
1.4	64QAM	1	3	18.95	18.97	18.91	
1.4	64QAM	1	5	19.00	19.01	18.97	
1.4	64QAM	3	0	17.69	17.77	17.75	
1.4	64QAM	3	1	17.65	17.75	17.71	
1.4	64QAM	3	3	17.77	17.81	17.71	
1.4	64QAM	6	0	17.79	17.87	17.80	18.5

Band 7 (2600MHz Band) (dBm) Part 27							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				20850	21100	21350	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	16.95	16.96	16.84	18
20	QPSK	1	49	16.52	16.46	16.58	
20	QPSK	1	99	16.49	16.50	16.58	
20	QPSK	50	0	15.63	15.76	15.74	17
20	QPSK	50	24	15.71	15.72	15.63	
20	QPSK	50	50	15.62	15.76	15.54	
20	QPSK	100	0	15.69	15.73	15.61	17
20	16QAM	1	0	16.02	16.11	15.95	
20	16QAM	1	49	15.96	16.02	16.01	
20	16QAM	1	99	15.85	15.87	15.79	16
20	16QAM	50	0	14.87	14.95	14.90	
20	16QAM	50	24	14.84	14.93	14.88	
20	16QAM	50	50	14.71	14.78	14.70	16
20	16QAM	100	0	14.75	14.94	14.79	
20	64QAM	1	0	15.24	15.36	15.25	
20	64QAM	1	49	15.09	15.28	15.17	16
20	64QAM	1	99	15.19	15.20	15.05	
20	64QAM	50	0	14.20	14.29	14.17	
20	64QAM	50	24	14.17	14.27	14.10	15
20	64QAM	50	50	13.95	14.15	14.11	
20	64QAM	100	0	14.03	14.22	14.05	
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	16.72	16.73	16.61	18
15	QPSK	1	37	16.29	16.23	16.35	
15	QPSK	1	74	16.26	16.27	16.35	
15	QPSK	36	0	15.40	15.53	15.51	17
15	QPSK	36	20	15.48	15.59	15.40	
15	QPSK	36	39	15.39	15.53	15.31	
15	QPSK	75	0	15.46	15.50	15.38	17
15	16QAM	1	0	15.79	15.88	15.72	
15	16QAM	1	37	15.73	15.79	15.78	
15	16QAM	1	74	15.62	15.64	15.56	16
15	16QAM	36	0	14.64	14.72	14.67	
15	16QAM	36	20	14.61	14.70	14.65	
15	16QAM	36	39	14.48	14.55	14.47	16
15	16QAM	75	0	14.52	14.71	14.56	
15	64QAM	1	0	15.01	15.13	15.02	
15	64QAM	1	37	14.86	15.05	14.94	16
15	64QAM	1	74	14.96	14.97	14.82	
15	64QAM	36	0	13.97	14.06	13.94	
15	64QAM	36	20	13.94	14.04	13.87	15
15	64QAM	36	39	13.72	13.92	13.88	
15	64QAM	75	0	13.80	13.99	13.82	
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	16.63	16.64	16.52	18
10	QPSK	1	25	16.20	16.14	16.26	
10	QPSK	1	49	16.17	16.18	16.26	
10	QPSK	25	0	15.31	15.44	15.42	17
10	QPSK	25	12	15.39	15.50	15.31	
10	QPSK	25	25	15.30	15.44	15.22	
10	QPSK	50	0	15.37	15.41	15.29	17
10	16QAM	1	0	15.70	15.79	15.63	
10	16QAM	1	25	15.64	15.70	15.69	
10	16QAM	1	49	15.53	15.55	15.47	16
10	16QAM	25	0	14.55	14.63	14.58	
10	16QAM	25	12	14.52	14.61	14.56	
10	16QAM	25	25	14.39	14.46	14.38	16
10	16QAM	50	0	14.43	14.62	14.47	
10	64QAM	1	0	14.92	15.04	14.93	
10	64QAM	1	25	14.77	14.96	14.85	16
10	64QAM	1	49	14.87	14.88	14.73	
10	64QAM	25	0	13.88	13.97	13.85	
10	64QAM	25	12	13.85	13.95	13.78	15
10	64QAM	25	25	13.63	13.83	13.79	
10	64QAM	50	0	13.71	13.90	13.73	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	16.54	16.55	16.43	18
5	QPSK	1	12	16.11	16.05	16.17	
5	QPSK	1	24	16.08	16.09	16.17	
5	QPSK	12	0	15.22	15.51	15.33	17
5	QPSK	12	7	15.30	15.41	15.22	
5	QPSK	12	13	15.21	15.35	15.13	
5	QPSK	25	0	15.28	15.32	15.20	17
5	16QAM	1	0	15.61	15.63	15.54	
5	16QAM	1	12	15.55	15.61	15.60	
5	16QAM	1	24	15.44	15.46	15.38	16
5	16QAM	12	0	14.46	14.54	14.49	
5	16QAM	12	7	14.43	14.52	14.47	
5	16QAM	12	13	14.30	14.37	14.29	16
5	16QAM	25	0	14.34	14.53	14.38	
5	64QAM	1	0	14.83	14.95	14.84	
5	64QAM	1	12	14.68	14.87	14.76	16
5	64QAM	1	24	14.78	14.79	14.64	
5	64QAM	12	0	13.79	13.88	13.76	
5	64QAM	12	7	13.76	13.86	13.69	15
5	64QAM	12	13	13.54	13.74	13.70	
5	64QAM	25	0	13.62	13.81	13.64	

Band 66 (dBm)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				132072	132322	132572	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	20.86	20.89	20.74	21.5
20	QPSK	1	49	20.59	20.69	20.68	
20	QPSK	1	99	20.64	20.71	20.64	
20	QPSK	50	0	19.78	19.82	19.77	20.5
20	QPSK	50	24	19.77	19.78	19.74	
20	QPSK	50	50	19.75	19.77	19.70	
20	QPSK	100	0	19.70	19.80	19.72	20.5
20	16QAM	1	0	19.95	20.18	19.92	
20	16QAM	1	49	19.90	19.96	19.94	
20	16QAM	1	99	19.96	19.99	19.92	19.5
20	16QAM	50	0	18.88	18.90	18.84	
20	16QAM	50	24	18.81	18.87	18.85	
20	16QAM	50	50	18.75	18.85	18.84	20.5
20	16QAM	100	0	18.75	18.83	18.78	
20	64QAM	1	0	19.82	19.84	19.74	
20	64QAM	1	49	19.72	19.79	19.74	20.5
20	64QAM	1	99	19.78	19.83	19.78	
20	64QAM	50	0	18.76	18.77	18.71	
20	64QAM	50	24	18.80	18.83	18.77	19.5
20	64QAM	50	50	18.79	18.86	18.76	
20	64QAM	100	0	18.73	18.82	18.79	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	20.77	20.80	20.65	21.5
15	QPSK	1	37	20.50	20.60	20.59	
15	QPSK	1	74	20.55	20.62	20.55	
15	QPSK	36	0	19.69	19.73	19.68	20.5
15	QPSK	36	20	19.68	19.69	19.65	
15	QPSK	36	39	19.66	19.68	19.61	
15	QPSK	75	0	19.61	19.71	19.63	20.5
15	16QAM	1	0	19.86	20.09	19.83	
15	16QAM	1	37	19.81	19.87	19.85	
15	16QAM	1	74	19.87	19.90	19.83	19.5
15	16QAM	36	0	18.79	18.81	18.75	
15	16QAM	36	20	18.72	18.78	18.76	
15	16QAM	36	39	18.66	18.76	18.75	20.5
15	16QAM	75	0	18.66	18.74	18.69	
15	64QAM	1	0	19.73	19.75	19.65	
15	64QAM	1	37	19.63	19.70	19.65	19.5
15	64QAM	1	74	19.69	19.74	19.69	
15	64QAM	36	0	18.67	18.68	18.62	
15	64QAM	36	20	18.71	18.74	18.68	19.5
15	64QAM	36	39	18.70	18.77	18.67	
15	64QAM	75	0	18.64	18.73	18.70	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	20.68	20.71	20.56	21.5
10	QPSK	1	25	20.41	20.51	20.50	
10	QPSK	1	49	20.46	20.53	20.46	
10	QPSK	25	0	19.60	19.64	19.59	20.5
10	QPSK	25	12	19.59	19.60	19.56	
10	QPSK	25	25	19.57	19.59	19.52	
10	QPSK	50	0	19.52	19.62	19.54	20.5
10	16QAM	1	0	19.77	20.00	19.74	
10	16QAM	1	25	19.72	19.78	19.76	
10	16QAM	1	49	19.78	19.81	19.74	19.5
10	16QAM	25	0	18.70	18.72	18.66	
10	16QAM	25	12	18.63	18.69	18.67	
10	16QAM	25	25	18.57	18.67	18.66	20.5
10	16QAM	50	0	18.57	18.65	18.60	
10	64QAM	1	0	19.64	19.66	19.56	
10	64QAM	1	25	19.54	19.61	19.56	19.5
10	64QAM	1	49	19.60	19.65	19.60	
10	64QAM	25	0	18.58	18.59	18.53	
10	64QAM	25	12	18.62	18.65	18.59	19.5
10	64QAM	25	25				



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Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	20.51	20.54	20.39	21.5
1.4	QPSK	1	3	20.24	20.34	20.33	
1.4	QPSK	1	5	20.29	20.36	20.29	
1.4	QPSK	3	0	19.43	19.47	19.42	
1.4	QPSK	3	1	19.42	19.43	19.39	
1.4	QPSK	3	3	19.40	19.42	19.35	
1.4	QPSK	6	0	19.35	19.45	19.37	20.5
1.4	16QAM	1	0	19.60	19.83	19.57	20.5
1.4	16QAM	1	3	19.55	19.61	19.59	
1.4	16QAM	1	5	19.61	19.64	19.57	
1.4	16QAM	3	0	18.53	18.55	18.49	
1.4	16QAM	3	1	18.46	18.52	18.50	
1.4	16QAM	3	3	18.40	18.50	18.49	
1.4	16QAM	6	0	18.40	18.48	18.43	19.5
1.4	64QAM	1	0	19.47	19.49	19.39	20.5
1.4	64QAM	1	3	19.37	19.44	19.39	
1.4	64QAM	1	5	19.43	19.48	19.43	
1.4	64QAM	3	0	18.41	18.42	18.36	
1.4	64QAM	3	1	18.45	18.48	18.42	
1.4	64QAM	3	3	18.44	18.51	18.41	
1.4	64QAM	6	0	18.38	18.47	18.44	19.5

## Reduced Power Level 2 for Body

**Band 7 (2600MHz Band) (dBm)**  
**Part 27**

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	21.95	21.96	21.84	23
20	QPSK	1	49	21.52	21.46	21.58	
20	QPSK	1	99	21.49	21.50	21.58	
20	QPSK	50	0	20.63	20.76	20.74	22
20	QPSK	50	24	20.71	20.72	20.63	
20	QPSK	50	50	20.62	20.76	20.54	
20	QPSK	100	0	20.69	20.73	20.61	22
20	16QAM	1	0	21.02	21.11	20.95	
20	16QAM	1	49	20.96	21.02	21.01	
20	16QAM	1	99	20.85	20.87	20.79	21
20	16QAM	50	0	19.87	19.95	19.90	
20	16QAM	50	24	19.84	19.93	19.88	
20	16QAM	50	50	19.71	19.78	19.70	21
20	16QAM	100	0	19.75	19.94	19.79	
20	64QAM	1	0	20.24	20.36	20.25	
20	64QAM	1	49	20.09	20.28	20.17	21
20	64QAM	1	99	20.19	20.20	20.05	
20	64QAM	50	0	19.20	19.29	19.17	
20	64QAM	50	24	19.17	19.27	19.10	20
20	64QAM	50	50	18.95	19.15	19.11	
20	64QAM	100	0	19.03	19.22	19.05	
Channel				20825	21100	21375	
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	21.72	21.73	21.61	23
15	QPSK	1	37	21.29	21.23	21.35	
15	QPSK	1	74	21.26	21.27	21.35	
15	QPSK	36	0	20.40	20.53	20.51	22
15	QPSK	36	20	20.48	20.59	20.40	
15	QPSK	36	39	20.39	20.53	20.31	
15	QPSK	75	0	20.46	20.50	20.38	22
15	16QAM	1	0	20.79	20.88	20.72	
15	16QAM	1	37	20.73	20.79	20.78	
15	16QAM	1	74	20.62	20.64	20.56	21
15	16QAM	36	0	19.64	19.72	19.67	
15	16QAM	36	20	19.61	19.70	19.65	
15	16QAM	36	39	19.48	19.55	19.47	21
15	16QAM	75	0	19.52	19.71	19.56	
15	64QAM	1	0	20.01	20.13	20.02	
15	64QAM	1	37	19.86	20.05	19.94	21
15	64QAM	1	74	19.96	19.97	19.82	
15	64QAM	36	0	18.97	19.06	18.94	
15	64QAM	36	20	18.94	19.04	18.87	20
15	64QAM	36	39	18.72	18.92	18.88	
15	64QAM	75	0	18.80	18.99	18.82	
Channel				20800	21100	21400	
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	21.63	21.64	21.52	23
10	QPSK	1	25	21.20	21.14	21.26	
10	QPSK	1	49	21.17	21.18	21.26	
10	QPSK	25	0	20.31	20.44	20.42	22
10	QPSK	25	12	20.39	20.50	20.31	
10	QPSK	25	25	20.30	20.44	20.22	
10	QPSK	50	0	20.37	20.41	20.29	22
10	16QAM	1	0	20.70	20.79	20.63	
10	16QAM	1	25	20.64	20.70	20.69	
10	16QAM	1	49	20.53	20.55	20.47	21
10	16QAM	25	0	19.55	19.63	19.58	
10	16QAM	25	12	19.52	19.61	19.56	
10	16QAM	25	25	19.39	19.46	19.38	21
10	16QAM	50	0	19.43	19.62	19.47	
10	64QAM	1	0	19.92	20.04	19.93	
10	64QAM	1	25	19.77	19.96	19.85	21
10	64QAM	1	49	19.87	19.88	19.73	
10	64QAM	25	0	18.88	18.97	18.85	
10	64QAM	25	12	18.85	18.95	18.78	20
10	64QAM	25	25	18.63	18.83	18.79	
10	64QAM	50	0	18.71	18.90	18.73	
Channel				20775	21100	21425	
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	21.54	21.55	21.43	24
5	QPSK	1	12	21.11	21.05	21.17	
5	QPSK	1	24	21.08	21.09	21.17	
5	QPSK	12	0	20.22	20.51	20.33	23
5	QPSK	12	7	20.30	20.41	20.22	
5	QPSK	12	13	20.21	20.35	20.13	
5	QPSK	25	0	20.28	20.32	20.20	23
5	16QAM	1	0	20.61	20.63	20.54	
5	16QAM	1	12	20.55	20.61	20.60	
5	16QAM	1	24	20.44	20.46	20.38	22
5	16QAM	12	0	19.46	19.54	19.49	
5	16QAM	12	7	19.43	19.52	19.47	
5	16QAM	12	13	19.30	19.37	19.29	22
5	16QAM	25	0	19.34	19.53	19.38	
5	64QAM	1	0	19.83	19.95	19.84	
5	64QAM	1	12	19.68	19.87	19.76	22.5
5	64QAM	1	24	19.78	19.79	19.64	
5	64QAM	12	0	18.79	18.88	18.76	
5	64QAM	12	7	18.76	18.86	18.69	21.5
5	64QAM	12	13	18.54	18.74	18.70	
5	64QAM	25	0	18.62	18.81	18.64	