



REPORT No.: SZ24110312S01

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)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.15	32.17	32.14	33.00	23.15	23.17	23.14	24.00
GPRS 1 Tx slot	32.13	32.18	32.10	33.00	23.13	23.18	23.10	24.00
GPRS 2 Tx slots	29.88	29.91	29.85	30.50	23.88	23.91	23.85	24.50
GPRS 3 Tx slots	27.86	27.88	27.82	28.50	23.60	23.62	23.56	24.24
GPRS 4 Tx slots	25.65	25.70	25.61	27.00	22.65	22.70	22.61	24.00
EDGE 1 Tx slot	25.35	25.38	25.32	26.00	16.35	16.38	16.32	17.00
EDGE 2 Tx slots	23.58	23.62	23.55	24.00	17.58	17.62	17.55	18.00
EDGE 3 Tx slots	21.37	21.40	21.33	22.00	17.11	17.14	17.07	17.74
EDGE 4 Tx slots	18.13	18.17	18.09	19.00	15.13	15.17	15.09	16.00
Mode		Max.	32.18			Max.	23.91	
Attenuator	Cable Loss : 0.6							
Date	12/20							

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.28	29.32	29.23	30.00	20.28	20.32	20.23	21.00
GPRS 1 Tx slot	29.32	29.34	29.30	30.00	20.32	20.34	20.30	21.00
GPRS 2 Tx slots	27.06	27.09	27.02	28.00	21.06	21.09	21.02	22.00
GPRS 3 Tx slots	25.33	25.38	25.19	26.00	21.07	21.12	20.93	21.74
GPRS 4 Tx slots	23.12	23.17	23.06	24.00	20.12	20.17	20.06	21.00
EDGE 1 Tx slot	25.31	25.35	25.18	26.00	16.31	16.35	16.18	17.00
EDGE 2 Tx slots	24.35	24.40	24.22	25.00	18.35	18.40	18.22	19.00
EDGE 3 Tx slots	21.37	21.42	21.37	22.00	17.11	17.16	17.11	17.74
EDGE 4 Tx slots	18.56	18.59	18.49	19.50	15.56	15.59	15.49	16.50
Mode		Max.	29.34			Max.	21.12	
Attenuator	Cable Loss : 0.8							
Date	12/20							

Band	WCDMA Band II (dBm)			Tune-up Limit (dBm)	WCDMA Band V (dBm)			Tune-up Limit (dBm)
TX Channel	9262	9400	9538		4132	4182	4233	
Rx Channel	9662	9800	9938		4357	4407	4458	
Frequency (MHz)	1852.4	1880	1907.6		826.4	836.4	846.6	
3GPP Rel 99 RMC 12.2Kbps	22.13	22.26	22.23	23.50	22.25	22.39	22.31	23.50
3GPP Rel 5 HSDPA Subtest-1	21.96	21.98	21.56	22.50	21.77	21.55	21.40	23.00
3GPP Rel 5 HSDPA Subtest-2	21.47	21.64	21.40	22.50	21.47	21.20	21.29	23.00
3GPP Rel 5 HSDPA Subtest-3	20.84	20.81	20.67	21.50	21.17	20.90	20.92	22.50
3GPP Rel 5 HSDPA Subtest-4	21.40	21.47	21.24	22.50	21.08	20.82	20.88	22.50
3GPP Rel 6 HSUPA Subtest-1	21.86	21.89	21.69	22.50	22.24	22.08	22.22	23.50
3GPP Rel 6 HSUPA Subtest-2	21.75	21.87	21.73	22.50	22.20	22.22	22.16	23.50
3GPP Rel 6 HSUPA Subtest-3	21.85	21.92	21.74	22.50	22.08	22.26	22.20	23.50
3GPP Rel 6 HSUPA Subtest-4	21.69	21.86	21.70	22.50	22.21	22.24	22.13	23.50
3GPP Rel 6 HSUPA Subtest-5	21.81	21.85	21.76	22.50	22.23	22.11	22.20	23.50
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	21.95	21.98	21.48	22.50	22.23	22.13	22.24	23.50
Attenuator		Cable Loss	0.8			Cable Loss	0.6	
Mode		Max.	22.26			Max.	22.39	
Date	12/20				12/20			

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	23.62	23.66	23.57	
20	QPSK	1	49	23.54	23.61	23.40	24.5
20	QPSK	1	99	23.49	23.50	23.34	
20	QPSK	50	0	22.51	22.54	22.48	
20	QPSK	50	24	22.45	22.50	22.41	23.5
20	QPSK	50	50	22.34	22.38	22.28	
20	QPSK	100	0	22.39	22.42	22.35	
20	16QAM	1	0	22.65	22.71	22.59	23.5
20	16QAM	1	49	22.54	22.55	22.49	
20	16QAM	1	99	22.41	22.47	22.39	
20	16QAM	50	0	21.62	21.70	21.57	22.5
20	16QAM	50	24	21.54	21.57	21.49	
20	16QAM	50	50	21.45	21.48	21.42	
20	16QAM	100	0	21.39	21.40	21.36	
Channel				1867.5	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	23.57	23.62	23.49	
15	QPSK	1	37	23.51	23.54	23.44	24.5
15	QPSK	1	74	23.46	23.45	23.30	
15	QPSK	36	0	22.55	22.49	22.51	
15	QPSK	36	20	22.37	22.45	22.47	23.5
15	QPSK	36	39	22.44	22.34	22.32	
15	QPSK	75	0	22.40	22.37	22.24	
15	16QAM	1	0	22.64	22.59	22.52	23.5
15	16QAM	1	37	22.59	22.47	22.34	
15	16QAM	1	74	22.44	22.43	22.27	
15	16QAM	36	0	21.68	21.71	21.63	22.5
15	16QAM	36	20	21.53	21.60	21.47	
15	16QAM	36	39	21.55	21.39	21.32	
15	16QAM	75	0	21.38	21.40	21.39	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	23.55	23.59	23.54	
10	QPSK	1	25	23.49	23.55	23.45	24.5
10	QPSK	1	49	23.41	23.52	23.37	
10	QPSK	25	0	22.42	22.39	22.39	
10	QPSK	25	12	22.48	22.43	22.51	23.5
10	QPSK	25	25	22.29	22.42	22.15	
10	QPSK	50	0	22.34	22.39	22.22	
10	16QAM	1	0	22.67	22.71	22.56	23.5
10	16QAM	1	25	22.57	22.60	22.43	
10	16QAM	1	49	22.51	22.40	22.35	
10	16QAM	25	0	21.70	21.59	21.65	22.5
10	16QAM	25	12	21.48	21.49	21.47	
10	16QAM	25	25	21.49	21.37	21.43	
10	16QAM	50	0	21.45	21.50	21.43	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	23.53	23.61	23.48	
5	QPSK	1	12	23.45	23.50	23.43	24.5
5	QPSK	1	24	23.51	23.50	23.29	
5	QPSK	12	0	22.55	22.40	22.49	
5	QPSK	12	7	22.52	22.36	22.51	23.5
5	QPSK	12	13	22.32	22.25	22.33	
5	QPSK	25	0	22.40	22.46	22.33	
5	16QAM	1	0	22.55	22.64	22.45	23.5
5	16QAM	1	12	22.46	22.49	22.42	
5	16QAM	1	24	22.36	22.33	22.27	
5	16QAM	12	0	21.47	21.59	21.63	22.5
5	16QAM	12	7	21.44	21.46	21.43	
5	16QAM	12	13	21.53	21.50	21.30	
5	16QAM	25	0	21.36	21.32	21.43	
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	23.49	23.63	23.52	
3	QPSK	1	8	23.45	23.48	23.45	24.5
3	QPSK	1	14	23.39	23.42	23.42	
3	QPSK	8	0	22.60	22.62	22.47	
3	QPSK	8	4	22.51	22.49	22.36	23.5
3	QPSK	8	7	22.44	22.36	22.30	
3	QPSK	15	0	22.31	22.27	22.24	
3	16QAM	1	0	22.60	22.66	22.45	23.5
3	16QAM	1	8	22.44	22.54	22.37	
3	16QAM	1	14	22.37	22.34	22.35	
3	16QAM	8	0	21.60	21.65	21.43	22.5
3	16QAM	8	4	21.43	21.53	21.41	
3	16QAM	8	7	21.40	21.57	21.30	
3	16QAM	15	0	21.48	21.47	21.30	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	23.53	23.60	23.55	
1.4	QPSK	1	3	23.48	23.58	23.30	24.5
1.4	QPSK	1	5	23.38	23.44	23.42	
1.4	QPSK	3	0	22.42	22.63	22.44	
1.4	QPSK	3	1	22.50	22.43	22.49	23.5
1.4	QPSK	3	3	22.44	22.45	22.41	
1.4	QPSK	6	0	22.45	22.44	22.23	
1.4	16QAM	1	0	22.67	22.67	22.55	23.5
1.4	16QAM	1	3	22.59	22.46	22.46	
1.4	16QAM	1	5	22.36	22.45	22.41	
1.4	16QAM	3	0	21.52	21.64	21.48	22.5
1.4	16QAM	3	1	21.51	21.53	21.42	
1.4	16QAM	3	3	21.51	21.48	21.51	
1.4	16QAM	6	0	21.45	21.32	21.25	

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	23.43	23.48	23.44	24.5
20	QPSK	1	49	23.41	23.34	23.30	
20	QPSK	1	99	23.36	23.43	23.38	
20	QPSK	50	0	22.40	22.43	22.39	23.5
20	QPSK	50	24	22.26	22.28	22.20	
20	QPSK	50	50	22.18	22.27	22.29	
20	QPSK	100	0	22.24	22.38	22.26	23.5
20	16QAM	1	0	22.48	22.59	22.50	
20	16QAM	1	49	22.29	22.40	22.30	
20	16QAM	1	99	22.25	22.42	22.31	22.5
20	16QAM	50	0	21.35	21.49	21.27	
20	16QAM	50	24	21.42	21.45	21.29	
20	16QAM	50	50	21.34	21.20	21.23	22.5
20	16QAM	100	0	21.21	21.24	21.12	
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	23.34	23.45	23.42	
15	QPSK	1	37	23.26	23.33	23.30	24.5
15	QPSK	1	74	23.21	23.36	23.32	
15	QPSK	36	0	22.35	22.41	22.37	
15	QPSK	36	20	22.17	22.29	22.18	23.5
15	QPSK	36	39	22.22	22.25	22.22	
15	QPSK	75	0	22.26	22.30	22.21	
15	16QAM	1	0	22.47	22.42	22.39	23.5
15	16QAM	1	37	22.27	22.41	22.32	
15	16QAM	1	74	22.32	22.34	22.23	
15	16QAM	36	0	21.29	21.44	21.33	22.5
15	16QAM	36	20	21.37	21.47	21.24	
15	16QAM	36	39	21.37	21.16	21.22	
15	16QAM	75	0	21.07	21.08	21.18	
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	23.37	23.42	23.39	
10	QPSK	1	25	23.30	23.33	23.30	24.5
10	QPSK	1	49	23.33	23.32	23.26	
10	QPSK	25	0	22.22	22.22	22.19	
10	QPSK	25	12	22.31	22.32	22.32	23.5
10	QPSK	25	25	22.26	22.16	22.11	
10	QPSK	50	0	22.15	22.26	22.08	
10	16QAM	1	0	22.34	22.56	22.42	23.5
10	16QAM	1	25	22.29	22.25	22.37	
10	16QAM	1	49	22.24	22.24	22.28	
10	16QAM	25	0	21.40	21.52	21.45	22.5
10	16QAM	25	12	21.27	21.40	21.23	
10	16QAM	25	25	21.27	21.26	21.21	
10	16QAM	50	0	21.28	21.25	21.17	
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	23.38	23.43	23.40	
5	QPSK	1	12	23.23	23.40	23.31	24.5
5	QPSK	1	24	23.16	23.23	23.22	
5	QPSK	12	0	22.26	22.36	22.34	
5	QPSK	12	7	22.16	22.33	22.12	23.5
5	QPSK	12	13	22.19	22.26	22.19	
5	QPSK	25	0	22.11	22.31	22.11	
5	16QAM	1	0	22.35	22.47	22.47	23

Band 5 (Cellular Band) (dBm) Part 22H(only on channel required)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				20450	20525	20600	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	23.22	23.27	23.20	24
10	QPSK	1	25	23.19	23.21	23.06	
10	QPSK	1	49	23.08	23.15	23.03	
10	QPSK	25	0	22.14	22.25	22.06	
10	QPSK	25	12	22.11	22.00	22.10	23
10	QPSK	25	25	22.08	22.07	22.00	
10	QPSK	50	0	22.00	22.09	22.05	
10	16QAM	1	0	22.40	22.52	22.21	
10	16QAM	1	25	22.24	22.16	22.15	23
10	16QAM	1	49	22.17	22.20	22.02	
10	16QAM	25	0	21.39	21.29	21.35	
10	16QAM	25	12	21.18	21.21	21.25	
10	16QAM	25	25	21.15	21.07	21.03	22
10	16QAM	50	0	21.09	21.00	21.15	
Channel				20425	20525	20625	
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	23.14	23.26	23.19	
5	QPSK	1	12	23.07	23.14	23.06	24
5	QPSK	1	24	23.11	23.20	23.01	
5	QPSK	12	0	22.12	22.27	22.13	
5	QPSK	12	7	22.18	22.03	22.06	
5	QPSK	12	13	22.07	22.07	22.08	23
5	QPSK	25	0	22.01	22.10	22.02	
5	16QAM	1	0	22.17	22.32	22.33	
5	16QAM	1	12	22.23	22.11	22.16	
5	16QAM	1	24	21.97	22.14	22.05	23
5	16QAM	12	0	21.37	21.34	21.13	
5	16QAM	12	7	21.16	21.28	21.20	
5	16QAM	12	13	21.20	21.12	21.10	
5	16QAM	25	0	20.92	21.13	20.89	22
Channel				20415	20525	20635	
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	23.19	23.20	23.22	
3	QPSK	1	8	23.24	23.18	23.08	24
3	QPSK	1	14	23.19	23.10	23.05	
3	QPSK	8	0	22.12	22.21	22.08	
3	QPSK	8	4	22.05	22.02	22.03	
3	QPSK	8	7	21.97	22.09	22.07	23
3	QPSK	15	0	22.03	22.11	22.07	
3	16QAM	1	0	22.22	22.33	22.18	
3	16QAM	1	8	22.12	22.20	22.21	
3	16QAM	1	14	22.11	22.16	22.03	23
3	16QAM	8	0	21.24	21.20	21.20	
3	16QAM	8	4	21.22	21.22	21.22	
3	16QAM	8	7	21.17	21.17	20.95	
3	16QAM	15	0	20.91	20.98	20.97	22
Channel				20407	20525	20643	
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	23.19	23.22	23.20	
1.4	QPSK	1	3	23.11	23.20	23.12	24
1.4	QPSK	1	5	23.03	23.10	22.98	
1.4	QPSK	3	0	22.19	22.22	22.16	
1.4	QPSK	3	1	22.06	22.21	22.06	
1.4	QPSK	3	3	22.09	22.07	22.03	23
1.4	QPSK	6	0	22.11	22.08	21.92	
1.4	16QAM	1	0	22.20	22.34	22.22	
1.4	16QAM	1	3	22.27	22.21	22.08	
1.4	16QAM	1	5	22.15	22.01	21.99	23
1.4	16QAM	3	0	21.31	21.34	21.26	
1.4	16QAM	3	1	21.10	21.14	21.04	
1.4	16QAM	3	3	21.09	21.11	20.99	
1.4	16QAM	6	0	20.90	20.98	20.92	22

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	23.15	23.21	23.18	24
20	QPSK	1	49	23.09	23.19	23.04	
20	QPSK	1	99	22.96	23.05	22.93	
20	QPSK	50	0	22.07	22.10	21.97	
20	QPSK	50	24	22.04	21.97	21.95	23
20	QPSK	50	50	21.90	22.02	21.87	
20	QPSK	100	0	21.98	22.00	21.89	
20	16QAM	1	0	22.21	22.24	22.03	
20	16QAM	1	49	22.13	22.05	21.92	23
20	16QAM	1	99	22.01	22.09	21.96	
20	16QAM	50	0	21.12	21.13	21.02	
20	16QAM	50	24	21.03	21.05	20.98	
20	16QAM	50	50	20.95	21.09	20.89	22
20	16QAM	100	0	20.91	20.89	20.77	
Channel				20825	21100	21375	
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	23.12	23.19	23.10	
15	QPSK	1	37	23.01	23.15	22.86	24
15	QPSK	1	74	22.91	23.01	22.92	
15	QPSK	36	0	22.12	21.98	21.94	
15	QPSK	36	20	22.09	21.91	21.88	
15	QPSK	36	39	21.90	21.90	21.93	23
15	QPSK	75	0	21.98	21.98	22.00	
15	16QAM	1	0	22.05	22.28	22.21	
15	16QAM	1	37	22.06	22.10	22.03	
15	16QAM	1	74	21.89	21.99	21.89	23
15	16QAM	36	0	21.04	21.20	21.15	
15	16QAM	36	20	21.12	21.06	20.94	
15	16QAM	36	39	20.99	21.10	21.01	
15	16QAM	75	0	20.91	21.01	20.88	22
Channel				20800	21100	21400	
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	23.15	23.17	23.12	
10	QPSK	1	25	22.95	23.11	23.05	24
10	QPSK	1	49	22.96	23.10	22.98	
10	QPSK	25	0	22.09	22.00	21.95	
10	QPSK	25	12	22.10	22.05	21.91	
10	QPSK	25	25	21.96	21.98	21.77	23
10	QPSK	50	0	21.81	21.84	21.88	
10	16QAM	1	0	22.23	22.16	22.10	
10	16QAM	1	25	22.15	22.13	22.09	
10	16QAM	1	49	21.85	22.10	21.96	23
10	16QAM	25	0	21.20	21.32	21.02	
10	16QAM	25	12	21.07	20.99	21.02	
10	16QAM	25	25	20.98	21.05	20.97	
10	16QAM	50	0	20.92	20.96	20.89	22
Channel				20775	21100	21425	
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	23.06	23.20	23.09	
5	QPSK	1	12	23.02	23.12	22.86	24
5	QPSK	1	24	22.98	23.13	22.89	
5	QPSK	12	0	22.08	21.95	22.10	
5	QPSK	12	7	21.91	22.08	21.97	
5	QPSK	12	13	21.87	22.01	21.89	23
5	QPSK	25	0	21.93	22.02	21.97	
5	16QAM	1	0	22.12	22.31	22.17	
5	16QAM	1	12	22.10	22.07	22.01	
5	16QAM	1	24	21.93	21.99	21.95	23
5	16QAM	12	0	21.18	21.21	21.00	
5	16QAM	12	7	21.18	21.13	20.91	
5	16QAM	12	13	20.95	21.04	20.83	
5	16QAM	25	0	20.83	20.85	20.99	22

Band 38(only on channel required) (dBm)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	23.64	23.68	23.66	24.5
20	QPSK	1	49	23.51	23.64	23.48	
20	QPSK	1	99	23.63	23.60	23.42	
20	QPSK	50	0	22.63	22.70	22.65	23.5
20	QPSK	50	24	22.66	22.67	22.53	
20	QPSK	50	50	22.63	22.56	22.49	
20	QPSK	100	0	22.66	22.69	22.56	23.5
20	16QAM	1	0	22.76	22.77	22.65	
20	16QAM	1	49	22.66	22.69	22.73	
20	16QAM	1	99	22.58	22.62	22.59	22.5
20	16QAM	50	0	21.63	21.70	21.51	
20	16QAM	50	24	21.71	21.66	21.68	
20	16QAM	50	50	21.53	21.58	21.51	22.5
20	16QAM	100	0	21.62	21.63	21.57	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	23.56	23.60	23.58	24.5
15	QPSK	1	37	23.43	23.56	23.40	
15	QPSK	1	74	23.55	23.52	23.34	
15	QPSK	36	0	22.55	22.62	22.57	23.5
15	QPSK	36	20	22.58	22.59	22.45	
15	QPSK	36	39	22.55	22.48	22.41	
15	QPSK	75	0	22.58	22.61	22.48	23.5
15	16QAM	1	0	22.68	22.69	22.57	
15	16QAM	1	37	22.58	22.61	22.65	
15	16QAM	1	74	22.50	22.54	22.51	22.5
15	16QAM	36	0	21.55	21.62	21.43	
15	16QAM	36	20	21.63	21.58	21.60	
15	16QAM	36	39	21.45	21.50	21.43	22.5
15	16QAM	75	0	21.54	21.55	21.49	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	23.50	23.54	23.52	24.5
10	QPSK	1	25	23.37	23.50	23.34	
10	QPSK	1	49	23.49	23.46	23.28	
10	QPSK	25	0	22.49	22.56	22.51	23.5
10	QPSK	25	12	22.52	22.53	22.39	
10	QPSK	25	25	22.49	22.42	22.35	
10	QPSK	50	0	22.52	22.55	22.42	23.5
10	16QAM	1	0	22.62	22.63	22.51	
10	16QAM	1	25	22.52	22.55	22.59	
10	16QAM	1	49	22.44	22.48	22.45	22.5
10	16QAM	25	0	21.49	21.56	21.37	
10	16QAM	25	12	21.57	21.52	21.54	
10	16QAM	25	25	21.39	21.44	21.37	22.5
10	16QAM	50	0	21.48	21.49	21.43	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	23.45	23.49	23.47	24.5
5	QPSK	1	12	23.32	23.45	23.29	
5	QPSK	1	24	23.44	23.41	23.23	
5	QPSK	12	0	22.44	22.51	22.46	23.5
5	QPSK	12	7	22.47	22.48	22.34	
5	QPSK	12	13	22.44	22.37	22.30	
5	QPSK	25	0	22.47	22.50	22.37	23.5
5	16QAM	1	0	22.57	22.58	22.46	
5	16QAM	1	12	22.47	22.50	22.54	
5	16QAM	1	24	22.39	22.43	22.40	22.5
5	16QAM	12	0	21.44	21.51	21.32	
5	16QAM	12	7	21.52	21.47	21.49	
5	16QAM	12	13	21.34	21.39	21.32	22.5
5	16QAM	25	0	21.43	21.44	21.38	

2.4GHz WLAN ANT 1

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	15.83	16.50	default	99.57
		CH 7	2442	16.71	17.00	default	
		CH 13	2472	16.15	16.50	default	
	802.11g 6Mbps	CH 1	2412	14.12	14.50	default	97.62
		CH 7	2437	15.25	16.00	default	
		CH 13	2462	14.34	14.50	default	
	802.11n-HT20 MCS0	CH 1	2412	13.65	14.00	default	97.46
		CH 7	2437	14.69	15.00	default	
		CH 13	2462	13.87	14.50	default	

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	5.51	6.00	2.64	3.00	2.59	3.00
	CH 39	2441	5.67	6.00	3.53	4.00	3.54	4.00
	CH 78	2480	6.18	7.00	4.36	4.50	4.10	4.50
Duty Cycle %			77.27		76.94		76.94	

Mode	Channel	Frequency (MHz)	Average power (dBm)
			GFSK
LE	CH 00	2402	-3.00
	CH 19	2440	-2.84
	CH 39	2480	-2.89
Tune-up Limit			0
Duty Cycle %			63.2

Receiver off

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	21.62	21.66	21.57	22.5
20	QPSK	1	49	21.54	21.61	21.40	
20	QPSK	1	99	21.49	21.50	21.34	
20	QPSK	50	0	20.51	20.54	20.48	21.5
20	QPSK	50	24	20.45	20.50	20.41	
20	QPSK	50	50	20.34	20.36	20.28	
20	QPSK	100	0	20.39	20.42	20.35	21.5
20	16QAM	1	0	20.65	20.71	20.59	
20	16QAM	1	49	20.54	20.55	20.49	
20	16QAM	1	99	20.41	20.47	20.39	20.5
20	16QAM	50	0	19.62	19.70	19.57	
20	16QAM	50	24	19.54	19.57	19.49	
20	16QAM	50	50	19.45	19.48	19.42	20.5
20	16QAM	100	0	19.39	19.40	19.36	
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	21.57	21.62	21.49	22.5
15	QPSK	1	37	21.51	21.54	21.44	
15	QPSK	1	74	21.46	21.45	21.30	
15	QPSK	36	0	20.55	20.49	20.51	21.5
15	QPSK	36	20	20.37	20.45	20.47	
15	QPSK	36	39	20.44	20.34	20.32	
15	QPSK	75	0	20.40	20.37	20.24	21.5
15	16QAM	1	0	20.64	20.59	20.52	
15	16QAM	1	37	20.59	20.47	20.34	
15	16QAM	1	74	20.44	20.43	20.27	20.5
15	16QAM	36	0	19.68	19.71	19.63	
15	16QAM	36	20	19.53	19.60	19.47	
15	16QAM	36	39	19.55	19.39	19.32	20.5
15	16QAM	75	0	19.38	19.40	19.39	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	21.55	21.59	21.54	22.5
10	QPSK	1	25	21.49	21.55	21.45	
10	QPSK	1	49	21.41	21.52	21.37	
10	QPSK	25	0	20.42	20.39	20.39	21.5
10	QPSK	25	12	20.48	20.43	20.51	
10	QPSK	25	25	20.29	20.42	20.15	
10	QPSK	50	0	20.34	20.39	20.22	21.5
10	16QAM	1	0	20.67	20.71	20.56	
10	16QAM	1	25	20.57	20.60	20.43	
10	16QAM	1	49	20.51	20.40	20.35	20.5
10	16QAM	25	0	19.70	19.59	19.65	
10	16QAM	25	12	19.48	19.49	19.47	
10	16QAM	25	25	19.49	19.37	19.43	20.5
10	16QAM	50	0	19.45	19.50	19.43	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	21.53	21.61	21.48	22.5
5	QPSK	1	12	21.45	21.50	21.43	
5	QPSK	1	24	21.51	21.50	21.29	
5	QPSK	12	0	20.55	20.40	20.49	21.5
5	QPSK	12	7	20.52	20.36	20.51	
5	QPSK	12	13	20.32	20.25	20.33	
5	QPSK	25	0	20.40	20.46	20.33	21.5
5	16QAM	1	0	20.55	20.64	20.45	
5	16QAM	1	12	20.46	20.49	20.42	
5	16QAM	1	24	20.36	20.33	20.27	20.5
5	16QAM	12	0	19.47	19.59	19.63	
5	16QAM	12	7	19.44	19.46	19.43	
5	16QAM	12	13	19.53	19.50	19.30	20.5
5	16QAM	25	0	19.36	19.32	19.43	
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	21.49	21.63	21.52	22.5
3	QPSK	1	8	21.45	21.48	21.45	
3	QPSK	1	14	21.39	21.42	21.42	
3	QPSK	8	0	20.60	20.62	20.47	21.5
3	QPSK	8	4	20.51	20.49	20.36	
3	QPSK	8	7	20.44	20.36	20.30	
3	QPSK	15	0	20.31	20.27	20.24	21.5
3	16QAM	1	0	20.60	20.66	20.45	
3	16QAM	1	8	20.44	20.54	20.37	
3	16QAM	1	14	20.37	20.34	20.35	20.5
3	16QAM	8	0	19.60	19.65	19.43	
3	16QAM	8	4	19.43	19.53	19.41	
3	16QAM	8	7	19.40	19.57	19.30	20.5
3	16QAM	15	0	19.48	19.47	19.30	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	21.53	21.60	21.55	22.5
1.4	QPSK	1	3	21.48	21.58	21.30	
1.4	QPSK	1	5	21.38	21.44	21.42	
1.4	QPSK	3	0	20.42	20.63	20.44	21.5
1.4	QPSK	3	1	20.50	20.43	20.49	
1.4	QPSK	3	3	20.44	20.45	20.41	
1.4	QPSK	6	0	20.45	20.44	20.23	21.5
1.4	16QAM	1	0	20.67	20.67	20.55	
1.4	16QAM	1	3	20.59	20.46	20.46	
1.4	16QAM	1	5	20.36	20.45	20.41	21.5
1.4	16QAM	3	0	19.52	19.64	19.48	
1.4	16QAM	3	1	19.51	19.53	19.42	
1.4	16QAM	3	3	19.51	19.48	19.51	20.5
1.4	16QAM	6	0	19.45	19.32	19.25	

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	15.15	15.21	15.18	16
20	QPSK	1	49	15.09	15.19	15.04	
20	QPSK	1	99	14.96	15.05	14.93	
20	QPSK	50	0	14.07	14.10	13.97	15
20	QPSK	50	24	14.04	13.97	13.95	
20	QPSK	50	50	13.90	14.02	13.87	
20	QPSK	100	0	13.98	14.00	13.89	15
20	16QAM	1	0	14.21	14.24	14.03	
20	16QAM	1	49	14.13	14.05	13.92	
20	16QAM	1	99	14.01	14.09	13.96	14
20	16QAM	50	0	13.12	13.13	13.02	
20	16QAM	50	24	13.03	13.05	12.98	
20	16QAM	50	50	12.95	13.09	12.89	14
20	16QAM	100	0	12.91	12.89	12.77	
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	15.12	15.19	15.10	16
15	QPSK	1	37	15.01	15.15	14.86	
15	QPSK	1	74	14.91	15.01	14.92	
15	QPSK	36	0	14.12	13.98	13.94	15
15	QPSK	36	20	14.09	13.91	13.88	
15	QPSK	36	39	13.90	13.90	13.93	
15	QPSK	75	0	13.98	13.98	14.00	15
15	16QAM	1	0	14.05	14.28	14.21	
15	16QAM	1	37	14.06	14.10	14.03	
15	16QAM	1	74	13.89	13.99	13.89	14
15	16QAM	36	0	13.04	13.20	13.15	
15	16QAM	36	20	13.12	13.06	12.94	
15	16QAM	36	39	12.99	13.10	13.01	14
15	16QAM	75	0	12.91	13.01	12.88	
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	15.15	15.17	15.12	16
10	QPSK	1	25	14.95	15.11	15.05	
10	QPSK	1	49	14.96	15.10	14.98	
10	QPSK	25	0	14.09	14.00	13.95	15
10	QPSK	25	12	14.10	14.05	13.91	
10	QPSK	25	25	13.96	13.98	13.77	
10	QPSK	50	0	13.81	13.84	13.88	15
10	16QAM	1	0	14.23	14.16	14.10	
10	16QAM	1	25	14.15	14.13	14.09	
10	16QAM	1	49	13.85	14.10	13.96	14
10	16QAM	25	0	13.20	13.32	13.02	
10	16QAM	25	12	13.07	12.99	13.02	
10	16QAM	25	25	12.98	13.05	12.97	14
10	16QAM	50	0	12.92	12.96	12.89	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	15.06	15.20	15.09	16
5	QPSK	1	12	15.02	15.12	14.86	
5	QPSK	1	24	14.98	15.13	14.89	
5	QPSK	12	0	14.08	13.95	14.10	15
5	QPSK	12	7	13.91	14.08	13.97	
5	QPSK	12	13	13.87	14.01	13.89	
5	QPSK	25	0	13.93	14.02	13.97	15
5	16QAM	1	0	14.12	14.31	14.17	
5	16QAM	1	12	14.10	14.07	14.01	
5	16QAM	1	24	13.93	13.99	13.95	14
5	16QAM	12	0	13.18	13.21	13.00	

Band 38(only on channel required) (dBm)

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	19.64	19.68	19.66	20.5
20	QPSK	1	49	19.51	19.64	19.48	
20	QPSK	1	99	19.63	19.60	19.42	
20	QPSK	50	0	18.63	18.70	18.65	19.5
20	QPSK	50	24	18.66	18.67	18.53	
20	QPSK	50	50	18.63	18.56	18.49	
20	QPSK	100	0	18.66	18.69	18.56	19.5
20	16QAM	1	0	18.76	18.77	18.65	
20	16QAM	1	49	18.66	18.69	18.73	
20	16QAM	1	99	18.58	18.62	18.59	18.5
20	16QAM	50	0	17.63	17.70	17.51	
20	16QAM	50	24	17.71	17.66	17.68	
20	16QAM	50	50	17.53	17.58	17.51	
20	16QAM	100	0	17.62	17.63	17.57	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	19.56	19.60	19.58	20.5
15	QPSK	1	37	19.43	19.56	19.40	
15	QPSK	1	74	19.55	19.52	19.34	
15	QPSK	36	0	18.55	18.62	18.57	19.5
15	QPSK	36	20	18.58	18.59	18.45	
15	QPSK	36	39	18.55	18.48	18.41	
15	QPSK	75	0	18.58	18.61	18.48	19.5
15	16QAM	1	0	18.68	18.69	18.57	
15	16QAM	1	37	18.58	18.61	18.65	
15	16QAM	1	74	18.50	18.54	18.51	18.5
15	16QAM	36	0	17.55	17.62	17.43	
15	16QAM	36	20	17.63	17.58	17.60	
15	16QAM	36	39	17.45	17.50	17.43	
15	16QAM	75	0	17.54	17.55	17.49	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	19.50	19.54	19.52	20.5
10	QPSK	1	25	19.37	19.50	19.34	
10	QPSK	1	49	19.49	19.46	19.28	
10	QPSK	25	0	18.49	18.56	18.51	19.5
10	QPSK	25	12	18.52	18.53	18.39	
10	QPSK	25	25	18.49	18.42	18.35	
10	QPSK	50	0	18.52	18.55	18.42	19.5
10	16QAM	1	0	18.62	18.63	18.51	
10	16QAM	1	25	18.52	18.55	18.59	
10	16QAM	1	49	18.44	18.48	18.45	18.5
10	16QAM	25	0	17.49	17.56	17.37	
10	16QAM	25	12	17.57	17.52	17.54	
10	16QAM	25	25	17.39	17.44	17.37	
10	16QAM	50	0	17.48	17.49	17.43	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	19.45	19.49	19.47	20.5
5	QPSK	1	12	19.32	19.45	19.29	
5	QPSK	1	24	19.44	19.41	19.23	
5	QPSK	12	0	18.44	18.51	18.46	19.5
5	QPSK	12	7	18.47	18.48	18.34	
5	QPSK	12	13	18.44	18.37	18.30	
5	QPSK	25	0	18.47	18.50	18.37	19.5
5	16QAM	1	0	18.57	18.58	18.46	
5	16QAM	1	12	18.47	18.50	18.54	
5	16QAM	1	24	18.39	18.43	18.40	18.5
5	16QAM	12	0	17.44	17.51	17.32	
5	16QAM	12	7	17.52	17.47	17.49	
5	16QAM	12	13	17.34	17.39	17.32	
5	16QAM	25	0	17.43	17.44	17.38	