



REPORT No.: SZ22030283S01

## Annex E Conducted Power

Note: conducted power unit: dBm

### Full Power

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	Ch Delta > 0.5
	TX Channel	128	189		251	128	189		
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8		
GSM 1 Tx slot	33.42	33.44	33.40	34.00	24.42	24.44	24.40	25.00	0.04
GPRS 1 Tx slot	33.42	33.43	33.40	34.00	24.42	24.43	24.40	25.00	
GPRS 2 Tx slots	30.65	30.72	30.69	31.50	24.65	24.72	24.69	25.50	0.07
GPRS 3 Tx slots	28.57	28.64	28.68	29.50	24.31	24.38	24.42	25.24	0.11
GPRS 4 Tx slots	26.29	26.31	26.37	27.00	23.29	23.31	23.37	24.00	0.08
EDGE 1 Tx slot	25.24	25.38	25.31	26.00	16.24	16.38	16.31	17.00	0.14
EDGE 2 Tx slots	24.39	24.36	24.30	25.00	18.39	18.36	18.30	19.00	0.09
EDGE 3 Tx slots	22.08	22.07	22.17	23.00	17.82	17.81	17.91	18.74	0.10
EDGE 4 Tx slots	19.51	19.53	19.48	20.00	16.51	16.53	16.48	17.00	0.05
Mode		Max.	33.44			Max.	24.72		
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
	TX Channel	512	661		810	512	661		
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8		
GSM 1 Tx slot	30.31	30.48	30.25	31.00	21.31	21.48	21.25	22.00	0.24
GPRS 1 Tx slot	30.32	30.48	30.24	31.00	21.32	21.48	21.24	22.00	
GPRS 2 Tx slots	27.67	27.74	27.50	28.50	21.67	21.74	21.50	22.50	0.24
GPRS 3 Tx slots	26.23	26.31	26.24	27.00	21.97	22.05	21.98	22.74	0.08
GPRS 4 Tx slots	24.10	24.15	24.13	25.00	21.10	21.15	21.13	22.00	0.05
EDGE 1 Tx slot	24.33	24.41	24.30	25.00	15.33	15.41	15.30	16.00	0.11
EDGE 2 Tx slots	22.52	22.63	22.47	23.00	16.52	16.63	16.47	17.00	0.16
EDGE 3 Tx slots	20.38	20.44	20.26	21.00	16.12	16.18	16.00	16.74	0.18
EDGE 4 Tx slots	19.65	19.53	19.57	20.00	16.65	16.53	16.57	17.00	0.12
Mode		Max.	30.48			Max.	22.05		
Attenuator	Cable Loss : 0.8								

Band	WCDMA Band II			Tune-up Limit (dBm)	WCDMA Band IV			Tune-up Limit (dBm)	WCDMA Band V			Tune-up Limit (dBm)	
	TX Channel	9262	9400		9538	1312	1413		1513	4132	4182		4233
Rx Channel	9662	9800	9938		1537	1638	1738		4357	4407	4458		
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	22.41	22.53	22.46	23.00	22.31	22.42	22.35	23.00	22.54	22.58	22.47	23.00
3GPP Rel 6	HSDPA Subtest-1	21.97	21.67	21.57	22.50	21.67	21.94	21.76	22.50	22.05	21.88	21.75	22.50
3GPP Rel 6	HSDPA Subtest-2	20.79	20.59	20.35	21.50	20.60	20.86	20.66	21.50	20.84	20.77	20.95	21.50
3GPP Rel 6	HSDPA Subtest-3	20.54	20.33	20.09	21.50	20.37	20.60	20.36	21.50	20.58	20.51	20.71	21.50
3GPP Rel 6	HSDPA Subtest-4	20.41	20.23	19.99	21.50	20.26	20.48	20.23	21.50	20.45	20.38	20.60	21.50
3GPP Rel 6	HSUPA Subtest-1	21.94	21.55	21.47	22.50	21.69	21.96	21.76	22.50	22.12	21.92	21.93	22.50
3GPP Rel 6	HSUPA Subtest-2	21.98	21.56	21.48	22.50	21.66	21.93	21.77	22.50	22.11	21.96	21.92	22.50
3GPP Rel 6	HSUPA Subtest-3	21.92	21.59	21.44	22.50	21.72	21.89	21.75	22.50	22.11	21.92	21.89	22.50
3GPP Rel 6	HSUPA Subtest-4	21.94	21.59	21.45	22.50	21.71	21.98	21.73	22.50	22.08	21.87	21.83	22.50
3GPP Rel 6	HSUPA Subtest-5	21.92	21.57	21.48	22.50	21.68	21.98	21.76	22.50	22.14	21.94	21.90	22.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	22.02	21.71	21.46	22.50	21.74	21.90	21.68	22.50	22.01	21.82	21.81	22.50
Attenuator		Cable Loss		0.8		Cable Loss		0.8		Cable Loss		0.6	
Mode		Max.	22.53			Max.	22.42			Max.	22.58		

Band 2 (1900MHz Band)							
Part 24E							
BW (MHz)	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				18700	18900	19100	24
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	23.31	23.34	23.28	24
20	QPSK	1	49	23.29	23.23	23.16	
20	QPSK	1	99	23.23	23.19	23.17	
20	QPSK	50	0	22.39	22.48	22.41	23
20	QPSK	50	24	22.40	22.45	22.45	
20	QPSK	50	50	22.45	22.41	22.47	
20	QPSK	100	0	22.38	22.47	22.43	23
20	16QAM	1	0	22.44	22.44	22.46	
20	16QAM	1	49	22.28	22.58	22.54	
20	16QAM	1	99	22.53	22.38	22.78	23
20	16QAM	50	0	22.46	22.43	22.41	
20	16QAM	50	24	22.42	22.47	22.48	
20	16QAM	50	50	22.50	22.47	22.54	23
20	16QAM	100	0	22.53	22.54	22.41	
20	64QAM	1	0	22.48	22.67	22.41	
20	64QAM	1	49	22.43	22.61	22.52	23
20	64QAM	1	99	22.38	22.71	22.71	
20	64QAM	50	0	22.48	22.40	22.45	
20	64QAM	50	24	22.51	22.45	22.50	23
20	64QAM	50	50	22.50	22.51	22.45	
20	64QAM	100	0	22.38	22.35	22.36	
Channel				18675	18900	19125	24
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	23.12	23.15	23.06	24
15	QPSK	1	37	22.91	23.27	23.15	
15	QPSK	1	74	23.28	23.20	23.28	
15	QPSK	36	0	22.25	22.34	22.33	23
15	QPSK	36	20	22.24	22.43	22.40	
15	QPSK	36	39	22.36	22.37	22.34	
15	QPSK	75	0	22.28	22.34	22.30	23
15	16QAM	1	0	22.37	22.45	22.39	
15	16QAM	1	37	22.50	22.53	22.39	
15	16QAM	1	74	22.45	22.57	22.57	23
15	16QAM	36	0	22.24	22.29	22.32	
15	16QAM	36	20	22.33	22.26	22.39	
15	16QAM	36	39	22.38	22.47	22.44	23
15	16QAM	75	0	22.25	22.27	22.36	
15	64QAM	1	0	22.45	22.21	22.27	
15	64QAM	1	37	22.44	22.25	22.67	23
15	64QAM	1	74	22.33	22.37	22.52	
15	64QAM	36	0	22.18	22.35	22.23	
15	64QAM	36	20	22.38	22.40	22.30	23
15	64QAM	36	39	22.26	22.31	22.40	
15	64QAM	75	0	22.25	22.32	22.31	
Channel				18650	18900	19150	24
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	23.09	23.08	23.18	24
10	QPSK	1	25	23.20	23.30	23.18	
10	QPSK	1	49	23.09	23.17	23.09	
10	QPSK	25	0	22.36	22.37	22.33	23
10	QPSK	25	12	22.32	22.44	22.37	
10	QPSK	25	25	22.23	22.36	22.32	
10	QPSK	50	0	22.29	22.38	22.36	23
10	16QAM	1	0	22.77	22.70	22.69	
10	16QAM	1	25	22.46	22.42	22.49	
10	16QAM	1	49	22.41	22.49	22.28	23
10	16QAM	25	0	22.31	22.30	22.27	
10	16QAM	25	12	22.47	22.27	22.27	
10	16QAM	25	25	22.27	22.47	22.57	23
10	16QAM	50	0	22.84	22.77	22.81	
10	64QAM	1	0	22.35	22.40	22.40	
10	64QAM	1	25	22.38	22.43	22.47	23
10	64QAM	1	49	22.05	22.18	22.15	
10	64QAM	25	0	22.35	22.39	22.40	
10	64QAM	25	12	22.38	22.36	22.37	23
10	64QAM	25	25	22.31	22.09	22.31	
10	64QAM	50	0	22.32	22.32	22.29	
Channel				18625	18900	19175	24
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	23.23	23.28	23.22	24
5	QPSK	1	12	23.22	23.17	23.20	
5	QPSK	1	24	23.18	23.26	23.27	
5	QPSK	12	0	22.35	22.26	22.33	23
5	QPSK	12	7	22.36	22.41	22.33	
5	QPSK	12	13	22.35	22.34	22.37	
5	QPSK	25	0	22.34	22.32	22.34	23
5	16QAM	1	0	22.47	22.37	22.75	
5	16QAM	1	12	22.45	22.38	22.75	
5	16QAM	1	24	22.48	22.35	22.74	23
5	16QAM	12	0	22.57	22.71	22.57	
5	16QAM	12	7	22.47	22.47	22.27	
5	16QAM	12	13	22.27	22.60	22.37	23
5	16QAM	25	0	22.37	22.83	22.81	
5	64QAM	1	0	22.57	22.29	22.34	
5	64QAM	1	12	22.73	22.39	22.50	23
5	64QAM	1	24	22.74	22.38	22.40	
5	64QAM	12	0	22.39	22.32	22.31	
5	64QAM	12	7	22.45	22.29	22.29	23
5	64QAM	12	13	22.42	22.38	22.36	
5	64QAM	25	0	22.49	22.29	22.36	
Channel				18515	18900	19185	24
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	23.17	23.24	23.16	24
3	QPSK	1	8	23.27	23.30	23.13	
3	QPSK	1	14	23.28	23.15	23.15	
3	QPSK	8	0	22.23	22.18	22.20	23
3	QPSK	8	4	22.29	22.23	22.24	
3	QPSK	8	7	22.29	22.23	22.19	
3	QPSK	15	0	22.21	22.29	22.22	

Band 4 (AWS Band)							
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	24
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	23.48	23.56	23.55	24
20	QPSK	1	49	23.34	23.42	23.41	
20	QPSK	1	99	23.26	23.39	23.51	
20	QPSK	50	0	22.55	22.68	22.65	23
20	QPSK	50	24	22.55	22.63	22.63	
20	QPSK	50	50	22.44	22.55	22.56	
20	QPSK	100	0	22.54	22.58	22.65	23
20	16QAM	1	0	22.19	22.49	22.36	
20	16QAM	1	49	22.34	22.11	22.25	
20	16QAM	1	99	22.13	22.35	22.19	23
20	16QAM	50	0	22.32	22.25	22.39	
20	16QAM	50	24	22.58	22.69	22.58	
20	16QAM	50	50	22.54	22.55	22.55	23
20	16QAM	100	0	22.56	22.64	22.65	
20	64QAM	1	0	22.30	22.41	22.63	
20	64QAM	1	49	22.34	22.27	22.15	23
20	64QAM	1	99	22.61	22.18	22.65	
20	64QAM	50	0	22.31	22.40	22.35	
20	64QAM	50	24	22.33	22.44	22.38	23
20	64QAM	50	50	22.37	22.32	22.34	
20	64QAM	100	0	22.40	22.38	22.47	
Channel				20025	20175	20325	24
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	23.35	23.39	23.49	24
15	QPSK	1	37	23.39	23.48	23.40	
15	QPSK	1	74	23.26	23.48	23.51	
15	QPSK	36	0	22.49	22.56	22.59	23
15	QPSK	36	20	22.53	22.66	22.62	
15	QPSK	36	39	22.58	22.57	22.66	
15	QPSK	75	0	22.53	22.55	22.56	23
15	16QAM	1	0	22.55	22.47	22.19	
15	16QAM	1	37	22.33	22.33	22.17	
15	16QAM	1	74	22.19	22.49	22.28	23
15	16QAM	36	0	22.20	22.22	22.41	
15	16QAM	36	20	22.15	22.22	22.28	
15	16QAM	36	39	22.11	22.20	22.26	23
15	16QAM	75	0	22.22	22.23	22.32	
15	64QAM	1	0	22.17	22.48	22.53	
15	64QAM	1	37	22.59	22.35	22.41	23
15	64QAM	1	74	22.63	22.34	22.38	
15	64QAM	36	0	22.28	22.35	22.39	
15	64QAM	36	20	22.34	22.36	22.38	23
15	64QAM	36	39	22.37	22.33	22.35	
15	64QAM	75	0	22.30	22.41	22.34	
Channel				20000	20175	20350	24
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	23.27	23.46	23.29	24
10	QPSK	1	25	23.25	23.38	23.39	
10	QPSK	1	49	23.33	23.16	23.39	
10	QPSK	25	0	22.32	22.54	22.56	23
10	QPSK	25	12	22.44	22.50	22.54	
10	QPSK	25	25	22.33	22.44	22.51	
10	QPSK	50	0	22.39	22.49	22.41	23
10	16QAM	1	0	22.36	22.31	22.07	
10	16QAM	1	25	22.43	22.17	22.49	
10	16QAM	1	49	22.50	22.40	22.39	23
10	16QAM	25	0	22.16	22.15	22.14	
10	16QAM	25	12	22.08	22.18	22.15	
10	16QAM	25	25	22.42	22.33	22.42	23

3	16QAM	1	0	22.37	22.28	22.22	23
3	16QAM	1	8	22.41	22.35	22.31	
3	16QAM	1	14	22.34	22.31	22.19	
3	16QAM	8	0	22.77	22.90	22.82	23
3	16QAM	8	4	22.84	22.81	22.87	
3	16QAM	8	7	22.74	22.79	22.82	
3	16QAM	15	0	22.77	22.81	22.76	23
3	64QAM	1	0	22.30	22.23	22.26	
3	64QAM	1	8	22.72	22.71	22.31	
3	64QAM	1	14	22.33	22.69	22.33	23
3	64QAM	8	0	22.25	22.27	22.11	
3	64QAM	8	4	22.35	22.25	22.25	
3	64QAM	8	7	22.45	22.34	22.20	23
3	64QAM	15	0	22.30	22.30	22.28	
Channel				18607	18900	19193	
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	23.23	23.28	23.21	24
1.4	QPSK	1	3	23.13	23.11	23.10	
1.4	QPSK	1	5	23.10	23.08	23.06	
1.4	QPSK	3	0	23.10	23.10	23.06	
1.4	QPSK	3	1	23.14	23.11	23.09	
1.4	QPSK	3	3	23.16	23.20	23.09	
1.4	QPSK	6	0	22.19	22.17	22.16	23
1.4	16QAM	1	0	22.22	22.22	22.16	
1.4	16QAM	1	3	22.18	22.38	22.36	23
1.4	16QAM	1	5	22.06	22.26	21.94	
1.4	16QAM	3	0	22.08	22.13	22.10	
1.4	16QAM	3	1	22.26	22.08	22.13	
1.4	16QAM	3	3	22.28	22.25	21.99	
1.4	16QAM	6	0	22.29	22.22	22.17	
1.4	64QAM	1	0	22.17	22.09	22.12	23
1.4	64QAM	1	3	22.19	22.40	22.28	
1.4	64QAM	1	5	22.17	22.52	22.11	
1.4	64QAM	3	0	22.20	22.26	22.27	
1.4	64QAM	3	1	22.29	22.26	22.47	
1.4	64QAM	3	3	22.21	22.35	22.12	
1.4	64QAM	6	0	22.26	22.29	22.18	23

3	16QAM	1	0	22.26	22.35	22.39	23
3	16QAM	1	8	22.48	22.48	22.22	
3	16QAM	1	14	22.39	22.17	22.25	
3	16QAM	8	0	22.18	22.19	22.28	23
3	16QAM	8	4	22.28	22.28	22.29	
3	16QAM	8	7	22.50	22.58	22.62	
3	16QAM	15	0	22.50	22.48	22.55	23
3	64QAM	1	0	22.17	22.26	22.24	
3	64QAM	1	8	22.36	22.24	22.40	
3	64QAM	1	14	22.17	22.24	22.07	23
3	64QAM	8	0	22.15	22.19	22.13	
3	64QAM	8	4	22.27	22.25	22.29	
3	64QAM	8	7	22.21	22.28	22.40	23
3	64QAM	15	0	22.17	22.25	22.16	
Channel				19957	20175	20393	
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	23.04	23.25	23.26	24
1.4	QPSK	1	3	23.38	23.38	23.42	
1.4	QPSK	1	5	23.24	23.33	23.35	
1.4	QPSK	3	0	23.32	23.29	23.28	
1.4	QPSK	3	1	23.28	23.38	23.43	
1.4	QPSK	3	3	23.27	23.34	23.33	
1.4	QPSK	6	0	22.43	22.45	22.41	23
1.4	16QAM	1	0	22.15	22.62	22.28	
1.4	16QAM	1	3	22.28	22.36	22.40	23
1.4	16QAM	1	5	22.34	22.50	22.30	
1.4	16QAM	3	0	22.37	22.41	22.32	
1.4	16QAM	3	1	22.38	22.41	22.43	
1.4	16QAM	3	3	22.37	22.49	22.38	
1.4	16QAM	6	0	22.28	22.29	22.20	
1.4	64QAM	1	0	22.06	22.00	22.14	23
1.4	64QAM	1	3	22.32	22.30	22.42	
1.4	64QAM	1	5	22.23	22.19	22.03	
1.4	64QAM	3	0	22.14	22.12	22.31	
1.4	64QAM	3	1	22.05	22.20	22.17	
1.4	64QAM	3	3	22.11	22.28	22.16	
1.4	64QAM	6	0	22.10	22.11	22.18	23

Band 5 (Cellular Band) 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	26
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	25.14	25.15	25.07	26
10	QPSK	1	25	25.00	25.03	24.83	
10	QPSK	1	49	24.92	25.04	24.72	
10	QPSK	25	0	24.24	24.26	24.07	25
10	QPSK	25	12	24.00	24.02	24.07	
10	QPSK	25	25	24.00	24.11	24.16	25
10	QPSK	50	0	24.06	23.94	24.08	
10	16QAM	1	0	24.10	24.29	24.00	
10	16QAM	1	25	24.12	24.15	23.83	25
10	16QAM	1	49	23.95	24.01	24.08	
10	16QAM	25	0	24.04	24.05	23.87	25
10	16QAM	25	12	23.98	24.06	23.84	
10	16QAM	25	25	24.01	23.94	23.97	
10	16QAM	50	0	24.02	23.93	23.83	25
10	64QAM	1	0	23.98	24.08	23.96	
10	64QAM	1	25	23.95	24.15	23.95	
10	64QAM	1	49	23.84	24.06	23.97	25
10	64QAM	25	0	23.95	24.06	23.73	
10	64QAM	25	12	23.94	24.11	23.82	25
10	64QAM	25	25	24.06	23.95	23.65	
10	64QAM	50	0	24.02	23.98	23.84	
Channel				20425	20525	20625	26
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	25.09	25.05	25.03	26
5	QPSK	1	12	24.99	25.10	24.94	
5	QPSK	1	24	24.99	24.94	24.94	
5	QPSK	12	0	23.94	23.99	23.85	25
5	QPSK	12	7	24.01	24.02	23.94	
5	QPSK	12	13	24.06	23.90	23.85	25
5	QPSK	25	0	23.97	23.93	23.85	
5	16QAM	1	0	24.26	24.19	23.95	
5	16QAM	1	12	23.96	24.18	23.94	25
5	16QAM	1	24	23.83	24.18	24.01	
5	16QAM	12	0	23.92	24.01	24.00	25
5	16QAM	12	7	23.99	24.02	23.84	
5	16QAM	12	13	23.99	23.90	23.95	
5	16QAM	25	0	24.00	24.05	24.00	25
5	64QAM	1	0	24.07	23.95	24.06	
5	64QAM	1	12	23.95	23.89	24.03	25
5	64QAM	1	24	24.09	23.93	23.87	
5	64QAM	12	0	23.81	23.95	23.75	
5	64QAM	12	7	23.85	24.01	23.79	25
5	64QAM	12	13	24.03	23.98	23.55	
5	64QAM	25	0	23.91	23.98	23.59	
Channel				20415	20525	20635	26
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	24.78	25.09	24.94	26
3	QPSK	1	8	25.04	25.05	24.96	
3	QPSK	1	14	25.05	25.03	24.77	
3	QPSK	8	0	24.08	24.21	24.19	25
3	QPSK	8	4	24.22	24.28	24.25	
3	QPSK	8	7	24.17	24.19	24.06	25
3	QPSK	15	0	24.15	24.21	24.20	
3	16QAM	1	0	24.17	24.28	24.35	
3	16QAM	1	8	24.10	24.36	24.20	25
3	16QAM	1	14	24.15	24.41	24.16	
3	16QAM	8	0	24.11	24.20	23.94	25
3	16QAM	8	4	24.27	24.38	23.95	
3	16QAM	8	7	24.19	24.25	23.99	
3	16QAM	15	0	24.13	24.15	23.70	25
3	64QAM	1	0	24.08	23.96	24.17	
3	64QAM	1	8	23.96	24.20	23.96	25
3	64QAM	1	14	23.98	24.16	23.97	
3	64QAM	8	0	24.08	24.18	24.16	
3	64QAM	8	4	24.30	24.14	24.08	25
3	64QAM	8	7	24.25	24.17	24.14	
3	64QAM	15	0	24.14	24.24	24.04	
Channel				20407	20525	20643	26
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	24.99	25.06	25.10	26
1.4	QPSK	1	3	25.12	25.05	25.12	
1.4	QPSK	1	5	25.01	24.95	24.96	
1.4	QPSK	3	0	25.02	25.08	25.04	25
1.4	QPSK	3	1	25.08	24.95	25.05	
1.4	QPSK	3	3	25.09	25.01	25.01	25
1.4	QPSK	6	0	24.13	24.12	24.11	
1.4	16QAM	1	0	24.26	24.07	24.24	
1.4	16QAM	1	3	24.06	24.30	24.19	25
1.4	16QAM	1	5	24.45	24.13	24.19	
1.4	16QAM	3	0	23.98	23.96	24.10	25
1.4	16QAM	3	1	24.01	24.28	24.14	
1.4	16QAM	3	3	24.09	24.20	24.08	
1.4	16QAM	6	0	24.28	24.15	24.19	25
1.4	64QAM	1	0	23.81	23.98	24.00	
1.4	64QAM	1	3	24.12	24.13	24.08	25
1.4	64QAM	1	5	24.07	24.06	23.94	
1.4	64QAM	3	0	23.73	24.00	24.01	
1.4	64QAM	3	1	24.01	23.95	23.96	25
1.4	64QAM	3	3	23.91	24.08	24.12	
1.4	64QAM	6	0	24.12	24.24	24.13	

Band 7 (2600MHz Band) Part 27							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				20850	21100	21350	15
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	14.23	14.24	14.16	15
20	QPSK	1	49	14.18	14.22	14.11	
20	QPSK	1	99	14.13	14.08	14.13	
20	QPSK	50	0	13.41	13.48	13.45	14
20	QPSK	50	24	13.17	13.14	13.04	
20	QPSK	50	50	13.27	13.30	13.27	14
20	QPSK	100	0	13.22	13.24	13.21	
20	16QAM	1	0	13.15	13.25	13.43	
20	16QAM	1	49	13.30	13.16	13.44	14
20	16QAM	1	99	13.24	13.55	13.20	
20	16QAM	50	0	13.09	13.19	13.12	14
20	16QAM	50	24	13.14	13.06	13.17	
20	16QAM	50	50	13.22	13.27	13.10	
20	16QAM	100	0	12.98	13.10	13.08	14
20	64QAM	1	0	13.46	13.30	13.03	
20	64QAM	1	49	13.40	13.37	13.42	14
20	64QAM	1	99	13.38	13.43	13.34	
20	64QAM	50	0	13.12	13.13	13.18	
20	64QAM	50	24	13.17	13.18	13.18	14
20	64QAM	50	50	13.21	13.28	13.13	
20	64QAM	100	0	13.14	13.11	13.23	
Channel				20825	21100	21375	15
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	14.06	14.15	14.15	15
15	QPSK	1	37	14.16	14.13	14.17	
15	QPSK	1	74	14.10	14.17	14.17	
15	QPSK	36	0	13.20	13.29	13.31	14
15	QPSK	36	20	13.28	13.35	13.30	
15	QPSK	36	39	13.31	13.34	13.38	14
15	QPSK	75	0	13.37	13.30	13.32	
15	16QAM	1	0	13.53	13.64	13.71	
15	16QAM	1	37	13.35	13.46	13.44	14
15	16QAM	1	74	13.39	13.39	13.61	
15	16QAM	36	0	13.10	13.21	13.23	14
15	16QAM	36	20	13.17	13.20	13.19	
15	16QAM	36	39	13.23	13.21	13.10	
15	16QAM	75	0	13.06	13.14	13.06	14
15	64QAM	1	0	13.36	13.33	13.21	
15	64QAM	1	37	13.26	13.41	13.50	14
15	64QAM	1	74	13.25	13.37	13.43	
15	64QAM	36	0	13.10	13.18	13.17	
15	64QAM	36	20	13.21	13.20	13.27	14
15	64QAM	36	39	13.25	13.16	13.18	
15	64QAM	75	0	13.10	13.20	13.15	
Channel				20900	21100	21400	15
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	14.05	13.92	13.95	15
10	QPSK	1	25	14.08	13.98	14.00	
10	QPSK	1	49	14.01	13.98	14.00	
10	QPSK	25	0	13.12	13.12	13.11	14
10	QPSK	25	12	13.08	13.20	13.25	
10	QPSK	25	25	13.01	13.19	13.19	14
10	QPSK	50	0	13.10	13.22	13.21	
10	16QAM	1	0	13.15	13.33	13.18	
10	16QAM	1	25	13.14	13.16	13.21	14
10	16QAM	1	49	13.61	13.51	13.42	
10	16QAM	25	0	13.16	13.04	13.12	14
10	16QAM	25	12	12.98	13.15	13.08	
10	16QAM	25	25	13.03	13.06	12.98	
10	16QAM	50	0	13.06	13.15	13.00	14
10	64QAM	1	0	13.48	13.44	13.42	
10	64QAM	1	25	13.17	13.42	13.25	14
10	64QAM	1	49	13.28	13.52	13.33	
10	64QAM	25	0	13.14	13.12	13.16	
10	64QAM	25	12	13.16	13.27	13.20	14
10	64QAM	25	25	13.09	12.99	12.98	
10	64QAM	50	0	13.03	13.09	13.01	
Channel				20775			

## Band 66

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				132072	132322	132572	24
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	23.12	23.28	23.17	24
20	QPSK	1	49	22.98	23.11	23.14	
20	QPSK	1	99	23.08	23.09	23.08	
20	QPSK	50	0	22.37	22.47	22.38	23
20	QPSK	50	24	22.34	22.28	22.07	
20	QPSK	50	50	22.39	22.45	22.38	
20	QPSK	100	0	22.40	22.42	22.33	23
20	16QAM	1	0	22.33	21.88	22.01	
20	16QAM	1	49	22.08	22.03	22.17	
20	16QAM	1	99	22.17	22.22	22.11	23
20	16QAM	50	0	22.06	22.08	22.02	
20	16QAM	50	24	22.10	22.14	22.03	
20	16QAM	50	50	22.15	22.16	22.10	23
20	16QAM	100	0	22.05	22.13	22.18	
20	64QAM	1	0	22.04	22.16	22.50	
20	64QAM	1	49	22.48	22.54	22.13	23
20	64QAM	1	99	22.50	22.18	22.11	
20	64QAM	50	0	22.01	21.95	21.92	
20	64QAM	50	24	22.06	22.09	22.01	23
20	64QAM	50	50	22.11	22.08	22.08	
20	64QAM	100	0	22.03	21.96	22.07	
Channel				132047	132322	132597	24
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	22.87	23.20	22.98	24
15	QPSK	1	37	23.03	23.19	23.03	
15	QPSK	1	74	22.99	23.18	23.04	
15	QPSK	36	0	22.10	22.17	22.16	23
15	QPSK	36	20	22.21	22.23	22.20	
15	QPSK	36	39	22.16	22.19	22.16	
15	QPSK	75	0	22.12	22.24	22.20	23
15	16QAM	1	0	22.13	22.15	22.17	
15	16QAM	1	37	22.30	22.25	22.26	
15	16QAM	1	74	22.26	22.24	22.20	23
15	16QAM	36	0	22.00	21.97	22.00	
15	16QAM	36	20	22.28	22.33	22.17	
15	16QAM	36	39	22.23	22.20	22.25	23
15	16QAM	75	0	22.24	22.20	22.22	
15	64QAM	1	0	22.02	22.03	22.08	
15	64QAM	1	37	22.47	22.17	22.10	23
15	64QAM	1	74	22.45	22.14	22.19	
15	64QAM	36	0	21.99	22.01	21.96	
15	64QAM	36	20	22.09	21.97	22.03	23
15	64QAM	36	39	21.96	22.06	22.11	
15	64QAM	75	0	22.11	22.07	22.04	
Channel				132022	132322	132622	24
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	22.95	23.22	22.89	24
10	QPSK	1	25	23.13	23.12	23.02	
10	QPSK	1	49	23.07	23.18	23.13	
10	QPSK	25	0	22.18	22.16	22.16	23
10	QPSK	25	12	22.21	22.24	22.25	
10	QPSK	25	25	22.16	22.24	22.18	
10	QPSK	50	0	22.15	22.23	22.09	23
10	16QAM	1	0	22.16	22.52	22.11	
10	16QAM	1	25	22.36	22.34	22.29	
10	16QAM	1	49	22.19	22.24	22.10	23
10	16QAM	25	0	22.16	22.05	22.08	
10	16QAM	25	12	22.21	22.18	22.29	
10	16QAM	25	25	22.19	22.22	22.28	23
10	16QAM	50	0	22.17	22.10	22.09	
10	64QAM	1	0	22.03	22.37	22.36	
10	64QAM	1	25	22.32	22.22	22.23	23
10	64QAM	1	49	22.25	22.10	22.21	
10	64QAM	25	0	21.92	22.00	21.91	
10	64QAM	25	12	22.01	22.05	22.04	23
10	64QAM	25	25	22.00	21.92	22.07	
10	64QAM	50	0	21.99	22.01	21.93	
Channel				131997	132322	132647	24
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	22.98	23.15	22.95	24
5	QPSK	1	12	23.09	23.08	23.10	
5	QPSK	1	24	22.98	23.03	22.99	
5	QPSK	12	0	22.93	23.06	23.04	23
5	QPSK	12	7	23.14	23.14	22.81	
5	QPSK	12	13	23.09	23.11	23.07	
5	QPSK	25	0	22.15	22.12	22.10	23
5	16QAM	1	0	22.33	22.27	22.12	
5	16QAM	1	12	22.14	22.57	22.24	
5	16QAM	1	24	22.26	22.27	22.26	23
5	16QAM	12	0	22.10	22.13	22.14	
5	16QAM	12	7	22.26	22.34	22.18	
5	16QAM	12	13	22.09	22.23	22.23	23
5	16QAM	25	0	22.02	22.22	22.12	
5	64QAM	1	0	21.87	22.02	21.86	
5	64QAM	1	12	21.99	21.92	21.97	23
5	64QAM	1	24	22.15	22.18	22.14	
5	64QAM	12	0	22.05	22.06	21.89	
5	64QAM	12	7	22.03	22.27	22.12	23
5	64QAM	12	13	22.05	21.89	22.05	
5	64QAM	25	0	22.01	22.02	21.89	
Channel				131987	132322	132657	24
Frequency (MHz)				1711.5	1745	1776.5	
3	QPSK	1	0	23.10	23.06	23.02	24
3	QPSK	1	8	23.09	23.05	23.04	
3	QPSK	1	14	23.01	23.07	23.06	
3	QPSK	8	0	22.17	22.35	22.24	23
3	QPSK	8	4	22.29	22.38	21.94	
3	QPSK	8	7	22.08	21.96	22.02	
3	QPSK	15	0	22.08	21.88	22.01	

3	16QAM	1	0	22.33	22.38	22.10	23	
3	16QAM	1	8	22.50	22.06	22.43		
3	16QAM	1	14	22.34	22.39	22.55		
3	16QAM	8	0	22.22	22.25	22.46	23	
3	16QAM	8	4	22.22	22.29	22.41		
3	16QAM	8	7	22.13	22.38	22.41		
3	16QAM	15	0	22.23	22.35	22.39	23	
3	64QAM	1	0	22.03	22.04	22.04		
3	64QAM	1	8	22.07	22.04	22.12		
3	64QAM	1	14	22.12	22.12	22.04		
3	64QAM	8	0	22.18	22.23	22.47		
3	64QAM	8	4	22.31	22.39	22.33		
3	64QAM	8	7	22.16	22.34	22.36		
3	64QAM	15	0	22.13	22.32	22.48	23	
Channel				131979	132322	132665		Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	22.98	23.15	22.95		24
1.4	QPSK	1	3	23.09	23.08	23.10		
1.4	QPSK	1	5	22.98	23.03	22.99		
1.4	QPSK	3	0	22.93	23.06	23.04		
1.4	QPSK	3	1	23.14	23.14	22.81		
1.4	QPSK	3	3	23.09	23.11	23.07		
1.4	QPSK	6	0	22.15	22.12	22.10		23
1.4	16QAM	1	0	22.33	22.27	22.12	23	
1.4	16QAM	1	3	22.14	22.57	22.24		
1.4	16QAM	1	5	22.26	22.27	22.26		
1.4	16QAM	3	0	22.10	22.13	22.14		
1.4	16QAM	3	1	22.26	22.34	22.18		
1.4	16QAM	3	3	22.09	22.23	22.23		
1.4	16QAM	6	0	22.02	22.22	22.12	23	
1.4	64QAM	1	0	21.87	22.02	21.86		23
1.4	64QAM	1	3	21.99	21.92	21.97		
1.4	64QAM	1	5	22.15	22.18	22.14		
1.4	64QAM	3	0	22.05	22.06	21.89		
1.4	64QAM	3	1	22.03	22.27	22.12		
1.4	64QAM	3	3	22.05	21.89	22.05		
1.4	64QAM	6	0	22.01	22.02	21.89	23	

## 2.4GHz WLAN

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	16.84	17.50	15	99.40
		CH 7	2442	17.21	18.00	15	
		CH 13	2472	17.58	18.00	15	
	802.11g 6Mbps	CH 1	2412	14.75	15.00	14	96.13
		CH 7	2442	15.31	16.00	14	
		CH 13	2472	15.90	16.50	14	
	802.11n-HT20 MCS0	CH 1	2412	13.96	14.50	13	95.44
		CH 7	2442	14.54	15.00	13	
		CH 13	2472	14.61	15.00	13	
802.11n-HT40 MCS0	CH 1	2412	14.52	15.00	11	91.26	
	CH 7	2442	13.58	14.00	11		
	CH 13	2472	11.71	12.50	11		

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	5.08	3.45	3.42
	CH 39	2441	3.58	1.77	1.74
	CH 78	2480	3.16	1.37	1.42
Tune-up Limit			6	4	4
Duty Cycle %			77.6	77.07	77.07

Mode	Channel	Frequency (MHz)	Average power (dBm)
			GFSK
LE	CH 00	2402	-2.07
	CH 19	2440	-3.35
	CH 39	2480	-3.64
Tune-up Limit			0.5
Duty Cycle %			32