



REPORT No.: SZ22010177S01

Annex E Conducted Power

Full Power

GSM850 TX Channel	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		
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8		
GSM 1 Tx slot	32.89	32.98	32.93	34.50	23.89	23.98	23.93	25.50	0.11
GPRS 1 Tx slot	32.87	32.95	32.89	34.50	23.87	23.95	23.89	25.50	
GPRS 2 Tx slots	31.85	31.92	31.81	32.50	25.85	25.92	25.81	26.50	0.11
GPRS 3 Tx slots	29.82	29.84	29.78	30.50	25.56	25.58	25.52	26.24	0.06
GPRS 4 Tx slots	28.71	28.83	28.80	29.50	25.71	25.83	25.80	26.50	0.12
EDGE 1 Tx slot	26.90	26.79	26.86	27.50	17.90	17.79	17.86	18.50	0.11
EDGE 2 Tx slots	25.45	25.48	25.41	26.00	19.45	19.48	19.41	20.00	0.07
EDGE 3 Tx slots	23.28	23.24	23.20	24.00	19.02	18.98	18.94	19.74	0.08
EDGE 4 Tx slots	22.38	22.35	22.25	23.00	19.38	19.35	19.25	20.00	0.13
Mode		Max.	32.98			Max.	25.92		
Attenuator	Cable Loss : 0.6								
Date	2022.1.29								

GSM1900 TX Channel	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		
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8		
GSM 1 Tx slot	29.89	29.93	29.94	31.50	20.89	20.93	20.94	22.50	0.13
GPRS 1 Tx slot	29.97	30.02	29.96	31.50	20.97	21.02	20.96	22.50	
GPRS 2 Tx slots	28.81	28.87	28.83	29.50	22.81	22.87	22.83	23.50	0.06
GPRS 3 Tx slots	26.76	26.77	26.73	27.50	22.50	22.51	22.47	23.24	0.04
GPRS 4 Tx slots	25.81	25.88	25.79	26.50	22.81	22.88	22.79	23.50	0.09
EDGE 1 Tx slot	25.60	25.59	25.54	26.00	16.60	16.59	16.54	17.00	0.06
EDGE 2 Tx slots	24.71	24.78	24.80	25.50	18.71	18.78	18.80	19.50	0.09
EDGE 3 Tx slots	22.60	22.67	22.59	23.50	18.34	18.41	18.33	19.24	0.08
EDGE 4 Tx slots	21.55	21.43	21.39	22.00	18.55	18.43	18.39	19.00	0.16
Mode		Max.	30.02			Max.	22.68		
Attenuator	Cable Loss : 0.8								
Date	2022.1.29								

Band TX Channel	WCDMA Band II			Tune-up Limit (dBm)	WCDMA Band IV			Tune-up Limit (dBm)	WCDMA Band V			Tune-up Limit (dBm)
	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	22.94	22.96	22.91	24.50	22.91	22.93	22.90	24.50	23.53	23.54	23.47	25.00
3GPP Rel 6 HSDPA Subtest-1	21.79	21.87	21.59	22.50	21.29	21.28	21.32	22.00	22.27	22.23	22.33	23.00
3GPP Rel 6 HSDPA Subtest-2	21.79	21.82	21.56	22.50	21.21	21.31	21.31	22.00	22.28	22.21	22.26	23.00
3GPP Rel 6 HSDPA Subtest-3	21.31	21.31	21.09	22.00	20.80	20.80	20.88	21.50	21.78	21.75	21.79	22.50
3GPP Rel 6 HSDPA Subtest-4	21.30	21.29	21.02	22.00	20.78	20.74	20.84	21.50	21.80	21.68	21.77	22.50
3GPP Rel 6 HSUPA Subtest-1	21.18	21.16	20.95	22.00	20.66	20.64	20.85	21.50	21.71	22.26	21.70	23.00
3GPP Rel 6 HSUPA Subtest-2	21.68	21.67	21.57	22.50	21.22	21.19	21.30	22.00	22.27	22.32	22.27	23.00
3GPP Rel 6 HSUPA Subtest-3	20.66	20.68	20.53	21.00	20.18	20.18	20.33	21.00	21.25	21.26	21.20	22.00
3GPP Rel 6 HSUPA Subtest-4	21.67	21.72	21.51	22.50	21.15	21.18	21.32	21.00	22.31	22.25	22.32	23.00
3GPP Rel 6 HSUPA Subtest-5	20.69	20.66	20.51	21.50	20.18	20.18	20.34	21.00	21.22	21.28	21.22	22.00
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	20.70	20.69	20.48	21.50	20.22	20.21	20.30	21.00	21.46	21.37	21.32	22.00
Attenuator	Cable Loss 0.8				Cable Loss 0.8				Cable Loss 0.8			
Mode		Max.	22.96			Max.	22.93			Max.	23.54	
Date												

Band 13(700MHz Band) Part 27F							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				2320	2320		25
Frequency (MHz)				782			
10	QPSK	1	0		23.48		25
10	QPSK	1	25		23.44		
10	QPSK	1	49		23.22		
10	QPSK	25	0		22.51		24
10	QPSK	25	12		22.48		
10	QPSK	25	26		22.43		
10	QPSK	50	0		22.46		24
10	16QAM	1	0		23.02		
10	16QAM	1	25		22.77		
10	16QAM	1	49		22.72		23
10	16QAM	25	0		22.37		
10	16QAM	25	12		22.20		
10	16QAM	25	25		22.30		23
10	16QAM	50	0		22.21		
Channel				23205	23230	23255	
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	23.25	23.37	23.35	25
5	QPSK	1	12	23.29	23.35	23.30	
5	QPSK	1	24	23.25	23.27	23.34	
5	QPSK	12	0	22.27	22.35	22.30	24
5	QPSK	12	7	22.37	22.25	22.40	
5	QPSK	12	13	22.34	22.35	22.38	
5	QPSK	25	0	22.30	22.31	22.35	24
5	16QAM	1	0	22.65	22.46	22.92	
5	16QAM	1	12	22.77	22.75	22.93	
5	16QAM	1	24	22.55	22.71	22.52	23
5	16QAM	12	0	22.29	22.28	22.25	
5	16QAM	12	7	22.22	22.10	22.35	
5	16QAM	12	13	22.25	22.26	22.23	23
5	16QAM	25	0	22.44	22.14	22.27	

Band 26 for FCC (only on channel required)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				26765	26865	26965	25
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	23.35	23.53	23.40	25
15	QPSK	1	37	23.34	23.33	23.27	
15	QPSK	1	74	23.31	23.33	23.22	
15	QPSK	36	0	22.35	22.45	22.37	24
15	QPSK	36	20	22.45	22.39	22.37	
15	QPSK	36	39	22.37	22.47	22.46	
15	QPSK	75	0	22.44	22.47	22.44	24
15	16QAM	1	0	22.20	22.51	22.24	
15	16QAM	1	37	22.40	22.39	22.23	
15	16QAM	1	74	22.38	22.48	22.25	23
15	16QAM	36	0	21.56	21.59	21.52	
15	16QAM	36	20	21.54	21.51	21.38	
15	16QAM	36	39	21.50	21.45	21.53	23
15	16QAM	75	0	21.56	21.43	21.56	
Channel				26740	26865	26990	
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	23.20	23.44	23.23	25
10	QPSK	1	25	23.12	23.35	23.41	
10	QPSK	1	49	23.04	23.23	23.23	
10	QPSK	25	0	22.09	22.35	22.25	24
10	QPSK	25	12	22.21	22.24	22.25	
10	QPSK	25	25	22.14	22.30	22.20	
10	QPSK	50	0	22.24	22.28	22.27	24
10	16QAM	1	0	22.94	22.81	23.00	
10	16QAM	1	25	22.88	22.70	22.79	
10	16QAM	1	49	22.70	22.62	22.69	23
10	16QAM	25	0	21.23	21.27	21.15	
10	16QAM	25	12	21.31	21.25	21.28	
10	16QAM	25	25	21.21	21.28	21.28	23
10	16QAM	50	0	21.31	21.17	21.28	
Channel				26715	26865	27015	
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	23.06	23.40	23.20	25
5	QPSK	1	12	23.19	23.28	23.14	
5	QPSK	1	24	23.17	23.21	23.18	
5	QPSK	12	0	22.07	22.11	22.12	24
5	QPSK	12	7	22.18	22.33	22.29	
5	QPSK	12	13	22.21	22.30	22.18	
5	QPSK	25	0	22.06	22.14	22.15	24
5	16QAM	1	0	22.63	22.64	22.65	
5	16QAM	1	12	22.55	22.35	22.37	
5	16QAM	1	24	22.39	22.44	22.44	23
5	16QAM	12	0	21.30	21.19	21.28	
5	16QAM	12	7	21.41	21.35	21.25	
5	16QAM	12	13	21.26	21.33	21.25	23
5	16QAM	25	0	21.31	21.21	21.08	
Channel				26705	26865	27025	
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	23.31	23.39	23.09	25
3	QPSK	1	8	23.36	23.17	23.20	
3	QPSK	1	14	23.10	23.03	23.12	
3	QPSK	8	0	22.10	22.12	22.17	24
3	QPSK	8	4	22.27	22.27	22.32	
3	QPSK	8	7	22.25	22.23	22.16	
3	QPSK	15	0	22.26	22.21	22.29	24
3	16QAM	1	0	22.43	22.40	22.68	
3	16QAM	1	8	22.48	22.82	22.54	
3	16QAM	1	14	22.54	22.73	22.44	23
3	16QAM	8	0	21.39	21.30	21.23	
3	16QAM	8	4	21.19	21.19	21.20	
3	16QAM	8	7	21.19	21.40	21.40	23
3	16QAM	15	0	21.24	21.17	21.38	
Channel				26697	26865	27033	
Frequency (MHz)				814.7	831.5	848.3	
1.4	QPSK	1	0	23.26	23.34	23.04	25
1.4	QPSK	1	3	23.31	23.12	23.15	
1.4	QPSK	1	5	23.05	22.98	23.07	
1.4	QPSK	3	0	22.05	22.07	22.12	24
1.4	QPSK	3	1	22.22	22.22	22.27	
1.4	QPSK	3	3	22.20	22.18	22.11	
1.4	QPSK	6	0	22.21	22.16	22.24	24
1.4	16QAM	1	0	22.38	22.35	22.63	
1.4	16QAM	1	3	22.43	22.77	22.49	
1.4	16QAM	1	5	22.49	22.68	22.39	24
1.4	16QAM	3	0	21.34	21.25	21.18	
1.4	16QAM	3	1	21.14	21.14	21.15	
1.4	16QAM	3	3	21.14	21.35	21.35	23
1.4	16QAM	6	0	21.19	21.12	21.33	

Band 66

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	22.91	22.96	22.93	24.5
20	QPSK	1	49	22.81	22.87	22.88	
20	QPSK	1	99	22.75	22.77	22.81	
20	QPSK	50	0	21.70	21.92	21.66	23.5
20	QPSK	50	24	21.75	21.78	21.71	
20	QPSK	50	50	21.69	21.75	21.75	
20	QPSK	100	0	21.76	21.86	21.66	23.5
20	16QAM	1	0	22.09	22.28	21.97	
20	16QAM	1	49	21.97	22.10	22.00	
20	16QAM	1	99	22.00	22.13	21.90	22.5
20	16QAM	50	0	20.67	20.79	20.78	
20	16QAM	50	24	20.78	20.75	20.85	
20	16QAM	50	50	20.77	20.84	20.64	22.5
20	16QAM	100	0	20.76	20.68	20.64	
Channel				132047	132322	132597	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	22.72	22.87	22.80	24.5
15	QPSK	1	37	22.78	22.66	22.75	
15	QPSK	1	74	22.58	22.75	22.77	
15	QPSK	36	0	21.72	22.04	21.74	23.5
15	QPSK	36	20	21.78	21.72	21.83	
15	QPSK	36	39	21.78	21.85	21.72	
15	QPSK	75	0	21.78	21.86	21.73	23.5
15	16QAM	1	0	21.94	22.07	22.14	
15	16QAM	1	37	22.03	21.81	22.03	
15	16QAM	1	74	21.90	21.84	21.95	22.5
15	16QAM	36	0	20.78	20.82	20.60	
15	16QAM	36	20	20.82	20.80	20.86	
15	16QAM	36	39	20.86	20.92	20.82	22.5
15	16QAM	75	0	20.78	20.71	20.85	
Channel				132022	132322	132622	
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	22.71	22.92	22.67	24.5
10	QPSK	1	25	22.59	22.57	22.65	
10	QPSK	1	49	22.54	22.77	22.62	
10	QPSK	25	0	21.70	21.94	21.66	23.5
10	QPSK	25	12	21.75	21.78	21.71	
10	QPSK	25	25	21.69	21.75	21.75	
10	QPSK	50	0	21.76	21.60	21.66	23.5
10	16QAM	1	0	22.09	22.28	21.97	
10	16QAM	1	25	21.97	22.10	22.00	
10	16QAM	1	49	22.00	22.13	21.90	22.5
10	16QAM	25	0	20.67	20.79	20.78	
10	16QAM	25	12	20.78	20.75	20.85	
10	16QAM	25	25	20.77	20.84	20.64	22.5
10	16QAM	50	0	20.76	20.68	20.64	
Channel				131997	132322	132647	
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	22.66	22.84	22.74	24.5
5	QPSK	1	12	22.72	22.60	22.69	
5	QPSK	1	24	22.52	22.69	22.71	
5	QPSK	12	0	21.66	21.88	21.68	23.5
5	QPSK	12	7	21.72	21.66	21.77	
5	QPSK	12	13	21.72	21.79	21.66	
5	QPSK	25	0	21.72	21.80	21.67	23.5
5	16QAM	1	0	21.88	22.01	22.08	
5	16QAM	1	12	21.97	21.75	21.97	
5	16QAM	1	24	21.84	21.78	21.89	22.5
5	16QAM	12	0	20.72	20.76	20.54	
5	16QAM	12	7	20.76	20.74	20.80	
5	16QAM	12	13	20.80	20.86	20.76	22.5
5	16QAM	25	0	20.72	20.65	20.79	
Channel				131987	132322	132657	
Frequency (MHz)				1711.5	1745	1776.5	
3	QPSK	1	0	22.70	22.91	22.66	24.5
3	QPSK	1	8	22.58	22.56	22.64	
3	QPSK	1	14	22.53	22.76	22.61	
3	QPSK	8	0	21.69	21.71	21.65	23.5
3	QPSK	8	4	21.74	21.77	21.70	
3	QPSK	8	7	21.68	21.74	21.74	
3	QPSK	15	0	21.75	21.59	21.65	23.5
3	16QAM	1	0	22.08	22.27	21.96	
3	16QAM	1	8	21.96	22.09	21.99	
3	16QAM	1	14	21.99	22.12	21.89	22.5
3	16QAM	8	0	20.66	20.78	20.77	
3	16QAM	8	4	20.77	20.74	20.84	
3	16QAM	8	7	20.76	20.83	20.63	22.5
3	16QAM	15	0	20.75	20.67	20.63	
Channel				131979	132322	132665	
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	22.68	22.89	22.64	24.5
1.4	QPSK	1	3	22.56	22.54	22.62	
1.4	QPSK	1	5	22.51	22.74	22.59	
1.4	QPSK	3	0	21.67	21.69	21.63	23.5
1.4	QPSK	3	1	21.72	21.75	21.68	
1.4	QPSK	3	3	21.66	21.72	21.72	
1.4	QPSK	6	0	21.73	21.57	21.63	23.5
1.4	16QAM	1	0	22.06	22.25	21.94	
1.4	16QAM	1	3	21.94	22.07	21.97	
1.4	16QAM	1	5	21.97	22.10	21.87	23.5
1.4	16QAM	3	0	20.64	20.76	20.75	
1.4	16QAM	3	1	20.75	20.72	20.82	
1.4	16QAM	3	3	20.74	20.81	20.61	22.5
1.4	16QAM	6	0	20.73	20.65	20.61	

Band 38(only on channel required)

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	23.47	23.53	23.48	25
20	QPSK	1	49	23.19	23.29	23.33	
20	QPSK	1	99	23.31	23.41	23.25	
20	QPSK	50	0	22.45	22.47	22.43	24
20	QPSK	50	24	22.39	22.40	22.39	
20	QPSK	50	50	22.41	22.38	22.35	
20	QPSK	100	0	22.42	22.52	22.45	24
20	16QAM	1	0	22.43	22.68	22.52	
20	16QAM	1	49	22.38	22.65	22.74	
20	16QAM	1	99	22.28	22.27	22.25	23
20	16QAM	50	0	21.21	21.25	21.14	
20	16QAM	50	24	21.33	21.33	21.27	
20	16QAM	50	50	21.17	21.31	21.23	23
20	16QAM	100	0	21.28	21.14	21.30	
Channel				37825	38000	38175	
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	23.07	23.36	23.24	25
15	QPSK	1	37	23.20	23.21	23.22	
15	QPSK	1	74	23.05	23.14	23.14	
15	QPSK	36	0	22.06	22.18	22.17	24
15	QPSK	36	20	22.24	22.27	22.24	
15	QPSK	36	39	22.13	22.24	22.11	
15	QPSK	75	0	22.22	22.18	22.09	24
15	16QAM	1	0	22.50	22.52	22.28	
15	16QAM	1	37	22.47	22.52	22.74	
15	16QAM	1	74	22.24	22.66	22.39	23
15	16QAM	36	0	21.05	21.23	21.12	
15	16QAM	36	20	21.28	21.19	21.24	
15	16QAM	36	39	21.18	21.32	21.20	23
15	16QAM	75	0	21.16	21.23	21.18	
Channel				37800	38000	38200	
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	23.10	23.41	23.33	25
10	QPSK	1	25	23.37	23.36	23.32	
10	QPSK	1	49	23.29	23.37	23.33	
10	QPSK	25	0	22.75	22.47	22.44	24
10	QPSK	25	12	22.76	22.45	22.51	
10	QPSK	25	25	22.35	22.38	22.43	
10	QPSK	50	0	22.39	22.32	22.39	24
10	16QAM	1	0	22.69	22.59	22.82	
10	16QAM	1	25	22.79	22.60	22.53	
10	16QAM	1	49	22.54	22.68	22.62	23
10	16QAM	25	0	21.50	21.36	21.37	
10	16QAM	25	12	21.34	21.37	21.38	
10	16QAM	25	25	21.45	21.46	21.41	23
10	16QAM	50	0	21.36	21.28	21.37	
Channel				37775	38000	38225	
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	23.29	23.41	23.28	25
5	QPSK	1	12	23.32	23.33	23.27	
5	QPSK	1	24	23.05	23.06	23.32	
5	QPSK	12	0	22.12	22.21	22.32	24
5	QPSK	12	7	22.34	22.32	22.28	
5	QPSK	12	13	22.28	22.30	22.24	
5	QPSK	25	0	22.25	22.22	22.23	24
5	16QAM	1	0	22.65	22.48	22.58	
5	16QAM	1	12	22.71	22.72	22.73	
5	16QAM	1	24	22.47	22.51	22.34	23
5	16QAM	12	0	21.19	21.30	21.30	
5	16QAM	12	7	21.33	21.27	21.34	
5	16QAM	12	13	21.32	21.33	21.40	23
5	16QAM	25	0	21.22	21.32	21.31	

2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
	802.11b 1Mbps	CH 1	2412	17.56	18.00	20.00	99.76
		CH 6	2437	18.41	19.00	20.00	
		CH 11	2462	18.09	18.50	20.00	
	802.11g 6Mbps	CH 1	2412	15.34	16.00	18.00	96.86
		CH 6	2437	16.02	16.50	18.00	
		CH 11	2462	15.83	16.50	18.00	
	802.11n-HT20 MCS0	CH 1	2412	15.63	16.00	18.50	96.65
		CH 6	2437	16.40	17.00	18.50	
		CH 11	2462	16.12	17.00	18.50	
802.11n-HT40 MCS0	CH 3	2422	15.73	16.50	18.00	93.48	
	CH 6	2437	15.85	16.50	18.00		
	CH 9	2452	15.90	16.50	18.00		

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	5.89	2	1.93
	CH 39	2441	7.95	4.24	4.13
	CH 78	2480	8.85	5.49	5.42
Tune-up Limit			9.5	6	6
Duty Cycle %			76.8	76.8	77.2

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
LE	CH 00	2402	2.39	-0.31	N/A
	CH 19	2440	4.08	1.37	N/A
	CH 39	2480	2.46	-0.18	N/A
Tune-up Limit			4.5	2	N/A
Duty Cycle %			60.9	31.41	N/A

Reduced Power

Band		WCDMA Band II			Tune-up Limit (dBm)	WCDMA Band IV			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	RMC 12.2Kbps	22.45	22.47	22.42	24.00	22.49	22.53	22.47	24.00
3GPP Rel 6	HSDPA Subtest-1	21.32	21.40	21.12	22.00	20.86	20.85	20.89	21.50
3GPP Rel 6	HSDPA Subtest-2	21.32	21.35	21.09	22.00	20.78	20.88	20.88	21.50
3GPP Rel 6	HSDPA Subtest-3	20.84	20.84	20.62	21.50	20.37	20.37	20.45	21.00
3GPP Rel 6	HSDPA Subtest-4	20.83	20.82	20.55	21.50	20.35	20.31	20.41	21.00
3GPP Rel 6	HSUPA Subtest-1	20.71	20.69	20.48	21.00	20.23	20.21	20.42	21.00
3GPP Rel 6	HSUPA Subtest-2	21.21	21.20	21.10	22.00	20.79	20.76	20.87	21.50
3GPP Rel 6	HSUPA Subtest-3	20.19	20.21	20.06	21.00	19.75	19.75	19.90	21.00
3GPP Rel 6	HSUPA Subtest-4	21.20	21.25	21.04	22.00	20.72	20.75	20.89	21.50
3GPP Rel 6	HSUPA Subtest-5	20.22	20.19	20.04	21.00	19.75	19.75	19.91	21.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.23	20.22	20.01	21.00	19.79	19.78	19.87	21.50
Attenuator			Cable Loss	0.8		Cable Loss	0.8		
Mode			Max.	22.47		Max.	22.53		

**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	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	21.99	22.09	21.94	23.5
20	QPSK	1	49	21.94	22.01	21.91	
20	QPSK	1	99	21.88	21.89	21.91	
20	QPSK	50	0	20.74	20.96	20.69	22.5
20	QPSK	50	24	20.90	20.84	20.74	
20	QPSK	50	50	20.83	20.89	20.82	
20	QPSK	100	0	20.86	20.92	20.81	22.5
20	16QAM	1	0	21.07	21.17	21.30	
20	16QAM	1	49	21.04	21.15	21.16	
20	16QAM	1	99	20.97	21.23	21.06	21.5
20	16QAM	50	0	20.53	20.46	20.53	
20	16QAM	50	24	20.54	20.55	20.36	
20	16QAM	50	50	20.61	20.54	20.55	21.5
20	16QAM	100	0	20.49	20.51	20.49	
Channel				20825	21100	21375	
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	21.65	21.78	21.69	23.5
15	QPSK	1	37	21.60	21.62	21.59	
15	QPSK	1	74	21.60	21.67	21.63	
15	QPSK	36	0	20.78	20.89	20.69	22.5
15	QPSK	36	20	20.67	20.70	20.73	
15	QPSK	36	39	20.71	20.77	20.70	
15	QPSK	75	0	20.73	20.94	20.70	22.5
15	16QAM	1	0	20.86	20.78	20.67	
15	16QAM	1	37	20.78	20.90	20.63	
15	16QAM	1	74	21.03	20.73	20.81	21.5
15	16QAM	36	0	20.30	20.46	20.40	
15	16QAM	36	20	20.49	20.37	20.43	
15	16QAM	36	39	20.40	20.46	20.47	21.5
15	16QAM	75	0	20.47	20.41	20.31	
Channel				20800	21100	21400	
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	21.81	21.97	21.85	23.5
10	QPSK	1	25	21.83	21.85	21.86	
10	QPSK	1	49	21.91	21.94	21.93	
10	QPSK	25	0	20.78	20.91	20.87	22.5
10	QPSK	25	12	20.99	20.86	20.95	
10	QPSK	25	25	20.84	20.95	21.00	
10	QPSK	50	0	20.94	20.82	21.03	22.5
10	16QAM	1	0	21.29	21.29	21.13	
10	16QAM	1	25	21.30	21.51	21.41	
10	16QAM	1	49	21.44	21.40	21.45	21.5
10	16QAM	25	0	20.50	20.51	20.61	
10	16QAM	25	12	20.65	20.64	20.60	
10	16QAM	25	25	20.68	20.58	20.73	21.5
10	16QAM	50	0	20.62	20.57	20.67	
Channel				20775	21100	21425	
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	21.76	21.92	21.70	23.5
5	QPSK	1	12	21.86	21.87	21.66	
5	QPSK	1	24	21.74	21.87	21.88	
5	QPSK	12	0	20.79	20.75	20.66	22.5
5	QPSK	12	7	20.82	20.92	20.90	
5	QPSK	12	13	20.92	20.87	20.90	
5	QPSK	25	0	20.86	20.82	20.80	22.5
5	16QAM	1	0	20.96	20.83	21.06	
5	16QAM	1	12	21.03	20.92	21.20	
5	16QAM	1	24	21.33	21.25	20.95	21.5
5	16QAM	12	0	20.29	20.09	20.21	
5	16QAM	12	7	20.33	20.43	20.14	
5	16QAM	12	13	20.26	20.38	20.32	21.5
5	16QAM	25	0	20.24	20.20	20.31	

Band 38(only on channel required)

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	22.99	23.05	23.00	24.5
20	QPSK	1	49	22.71	22.81	22.85	
20	QPSK	1	99	22.83	22.93	22.77	
20	QPSK	50	0	21.97	21.99	21.95	23.5
20	QPSK	50	24	21.91	21.92	21.91	
20	QPSK	50	50	21.93	21.90	21.87	
20	QPSK	100	0	21.94	22.04	21.97	23.5
20	16QAM	1	0	21.95	22.20	22.04	
20	16QAM	1	49	21.88	22.17	22.28	
20	16QAM	1	99	21.78	21.79	21.77	22.5
20	16QAM	50	0	20.73	20.77	20.66	
20	16QAM	50	24	20.85	20.85	20.79	
20	16QAM	50	50	20.69	20.83	20.75	22.5
20	16QAM	100	0	20.80	20.66	20.82	
Channel				37825	38000	38175	
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	22.59	22.88	22.76	24.5
15	QPSK	1	37	22.72	22.73	22.74	
15	QPSK	1	74	22.57	22.66	22.66	
15	QPSK	36	0	21.58	21.70	21.69	23.5
15	QPSK	36	20	21.76	21.79	21.76	
15	QPSK	36	39	21.65	21.76	21.63	
15	QPSK	75	0	21.74	21.70	21.61	23.5
15	16QAM	1	0	22.02	22.04	21.78	
15	16QAM	1	37	21.99	22.04	22.26	
15	16QAM	1	74	21.76	22.18	21.91	22.5
15	16QAM	36	0	20.57	20.75	20.64	
15	16QAM	36	20	20.80	20.71	20.76	
15	16QAM	36	39	20.70	20.84	20.72	22.5
15	16QAM	75	0	20.68	20.75	20.70	
Channel				37800	38000	38200	
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	22.62	22.93	22.85	24.5
10	QPSK	1	25	22.89	22.88	22.84	
10	QPSK	1	49	22.81	22.89	22.85	
10	QPSK	25	0	22.27	21.99	21.96	23.5
10	QPSK	25	12	22.28	21.97	22.03	
10	QPSK	25	25	21.87	21.90	21.95	
10	QPSK	50	0	21.91	21.84	21.91	23.5
10	16QAM	1	0	22.21	22.11	22.34	
10	16QAM	1	25	22.31	22.12	22.05	
10	16QAM	1	49	22.06	22.20	22.14	22.5
10	16QAM	25	0	21.02	20.88	20.89	
10	16QAM	25	12	20.86	20.89	20.90	
10	16QAM	25	25	20.97	20.98	20.93	22.5
10	16QAM	50	0	20.88	20.80	20.89	
Channel				37775	38000	38225	
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	22.81	22.93	22.80	24.5
5	QPSK	1	12	22.84	22.85	22.79	
5	QPSK	1	24	22.57	22.58	22.84	
5	QPSK	12	0	21.64	21.73	21.64	23.5
5	QPSK	12	7	21.86	21.84	21.78	
5	QPSK	12	13	21.78	21.82	21.76	
5	QPSK	25	0	21.77	21.74	21.75	23.5
5	16QAM	1	0	22.17	22.00	22.10	
5	16QAM	1	12	22.23	22.24	22.25	
5	16QAM	1	24	21.99	22.03	21.86	22.5
5	16QAM	12	0	20.71	20.82	20.82	
5	16QAM	12	7	20.85	20.79	20.86	
5	16QAM	12	13	20.84	20.85	20.92	22.5
5	16QAM	25	0	20.74	20.84	20.83	

Reduced Power for Standalone Transmission

2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
	802.11b 1Mbps	CH 1	2412	16.08	16.50	18.50	99.76
		CH 6	2437	16.93	17.50	18.50	
		CH 11	2462	16.61	17.00	18.50	
	802.11g 6Mbps	CH 1	2412	13.86	14.50	16.50	96.86
		CH 6	2437	14.54	15.00	16.50	
		CH 11	2462	14.35	15.00	16.50	
	802.11n-HT20 MCS0	CH 1	2412	14.15	15.00	17.00	96.65
		CH 6	2437	14.92	15.50	17.00	
		CH 11	2462	14.64	15.00	17.00	
802.11n-HT40 MCS0	CH 3	2422	13.19	14.00	16.50	93.48	
	CH 6	2437	14.37	15.00	16.50		
	CH 9	2452	12.37	13.00	14.50		

Reduced Power for Simultaneous Transmission

2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
	802.11b 1Mbps	CH 1	2412	16.58	17.00	19.00	99.76
		CH 6	2437	17.43	18.00	19.00	
		CH 11	2462	17.11	18.00	19.00	
	802.11g 6Mbps	CH 1	2412	14.36	15.00	17.00	96.86
		CH 6	2437	15.04	15.50	17.00	
		CH 11	2462	14.85	15.50	17.00	
	802.11n-HT20 MCS0	CH 1	2412	14.65	15.00	17.50	96.65
		CH 6	2437	15.42	16.00	17.50	
		CH 11	2462	15.14	16.00	17.50	
802.11n-HT40 MCS0	CH 3	2422	13.19	14.00	16.50	93.48	
	CH 6	2437	14.87	15.50	17.00		
	CH 9	2452	12.37	13.00	14.50		