



REPORT No.: SZ24020075S01

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	128	189	251	128	189	251	128	189	251
Frequency (MHz)	824.2	836.4	848.8	824.2	836.4	848.8	824.2	836.4	848.8
GSM 1 Tx slot	32.74	32.88	32.82	33.50	23.74	23.88	23.82	24.50	0.25
GPRS 1 Tx slot	32.63	32.79	32.71	33.50	23.63	23.79	23.71	24.50	0.12
GPRS 2 Tx slots	32.11	32.14	32.02	32.50	26.11	26.14	26.02	26.50	0.07
GPRS 3 Tx slots	30.47	30.54	30.51	31.00	26.21	26.28	26.25	26.74	0.09
GPRS 4 Tx slots	29.31	29.36	29.27	30.00	26.31	26.36	26.27	27.00	0.07
EDGE 1 Tx slot	27.61	27.64	27.57	28.00	18.61	18.64	18.57	19.00	0.08
EDGE 2 Tx slots	26.44	26.52	26.48	27.00	20.44	20.52	20.48	21.00	0.06
EDGE 3 Tx slots	24.61	24.63	24.57	25.00	20.35	20.37	20.31	20.74	0.18
EDGE 4 Tx slots	23.26	23.44	23.39	24.00	20.26	20.44	20.39	21.00	
Mode		Max.	32.88		Max.	26.36			
Attenuator	Cable Loss : 0.5								

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	512	661	810	512	661	810	512	661	810
Frequency (MHz)	1850.2	1880	1909.8	1850.2	1880	1909.8	1850.2	1880	1909.8
GSM 1 Tx slot	30.02	30.11	30.04	30.50	21.02	21.11	21.04	21.50	0.17
GPRS 1 Tx slot	29.94	30.09	30.02	30.50	20.94	21.09	21.02	21.50	0.09
GPRS 2 Tx slots	29.44	29.53	29.47	29.80	23.44	23.53	23.47	23.80	0.12
GPRS 3 Tx slots	27.82	27.86	27.74	28.00	23.56	23.60	23.48	23.74	0.05
GPRS 4 Tx slots	26.76	26.77	26.72	27.00	23.76	23.77	23.72	24.00	0.03
EDGE 1 Tx slot	26.78	26.79	26.76	27.00	17.78	17.79	17.76	18.00	0.05
EDGE 2 Tx slots	25.19	25.21	25.16	26.00	19.19	19.21	19.16	20.00	0.19
EDGE 3 Tx slots	23.53	23.65	23.46	24.50	19.27	19.39	19.20	20.24	0.09
EDGE 4 Tx slots	22.28	22.32	22.23	23.50	19.32	19.23	19.23	20.50	
Mode		Max.	30.11		Max.	23.77			
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)
	9252	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel	9252	9400	9538	1312	1413	1513	4132	4182	4233	4357	4407	4458
Frequency (MHz)	1852.4	1880	1907.6	1712.4	1732.6	1752.6	826.4	836.4	846.6	826.4	836.4	846.6
3GPP Rel 99 RMC 12.2Kbps	23.44	23.49	23.42	24.00	23.41	23.45	23.38	24.00	23.46	23.52	23.49	24.00
3GPP Rel 5 HSDPA Subtest-1	22.30	22.29	22.24	23.00	22.19	22.22	22.33	23.00	22.10	22.05	22.06	23.00
3GPP Rel 5 HSDPA Subtest-2	22.32	22.26	22.30	23.00	22.16	22.20	22.22	23.00	22.09	22.02	22.05	23.00
3GPP Rel 5 HSDPA Subtest-3	21.84	21.80	21.76	22.50	21.75	21.70	21.74	22.50	21.58	21.54	21.57	22.50
3GPP Rel 5 HSDPA Subtest-4	21.83	21.76	21.75	22.50	21.67	21.69	21.72	22.50	21.54	21.52	21.54	22.50
3GPP Rel 6 HSUPA Subtest-1	21.85	21.78	21.75	22.50	21.72	21.73	21.75	22.50	21.57	21.58	21.60	22.50
3GPP Rel 6 HSUPA Subtest-2	22.32	22.30	22.25	23.00	22.23	22.48	22.31	23.00	22.03	22.07	22.11	23.00
3GPP Rel 6 HSUPA Subtest-3	21.34	21.31	21.31	22.50	21.26	21.24	21.31	22.50	21.08	21.10	21.09	22.00
3GPP Rel 6 HSUPA Subtest-4	22.36	22.30	22.28	23.00	22.18	22.26	22.29	23.00	22.12	22.07	22.10	23.00
3GPP Rel 6 HSUPA Subtest-5	21.32	21.25	21.29	22.00	21.21	21.23	21.27	22.50	20.16	20.14	20.23	21.00
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	19.94	19.89	19.91	20.50	19.79	19.84	19.81	20.50	19.68	19.65	19.67	20.50
Attenuator	Cable Loss			0.8	Cable Loss			0.8	Cable Loss			0.5
Mode		Max.	23.49		Max.	23.45		Max.	23.52			



Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	22.17	22.31	22.14	23.5
1.4	QPSK	1	3	22.34	22.49	22.41	
1.4	QPSK	1	5	22.05	22.04	22.06	
1.4	QPSK	3	0	22.42	22.51	22.47	
1.4	QPSK	3	1	22.34	22.38	22.31	
1.4	QPSK	3	3	22.27	22.31	22.26	
1.4	QPSK	6	0	21.31	21.40	21.30	22
1.4	16QAM	1	0	21.43	21.50	21.41	22.5
1.4	16QAM	1	3	21.69	21.70	21.65	
1.4	16QAM	1	5	21.48	21.49	21.41	
1.4	16QAM	3	0	21.26	21.28	21.27	
1.4	16QAM	3	1	21.19	21.25	21.18	
1.4	16QAM	3	3	21.25	21.26	21.16	
1.4	16QAM	6	0	20.30	20.39	20.37	21
1.4	64QAM	1	0	20.38	20.45	20.41	21
1.4	64QAM	1	3	20.54	20.61	20.58	
1.4	64QAM	1	5	20.15	20.24	20.18	
1.4	64QAM	3	0	20.29	20.33	20.32	
1.4	64QAM	3	1	20.33	20.36	20.28	
1.4	64QAM	3	3	20.21	20.30	20.28	
1.4	64QAM	6	0	19.36	19.46	19.38	20

Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	22.33	22.38	22.34	23.5
1.4	QPSK	1	3	22.56	22.64	22.49	
1.4	QPSK	1	5	22.15	22.19	22.14	
1.4	QPSK	3	0	22.43	22.49	22.40	
1.4	QPSK	3	1	22.30	22.37	22.36	
1.4	QPSK	3	3	22.27	22.35	22.25	
1.4	QPSK	6	0	21.43	21.44	21.41	22
1.4	16QAM	1	0	21.45	21.51	21.48	22.5
1.4	16QAM	1	3	21.75	21.82	21.74	
1.4	16QAM	1	5	21.46	21.52	21.50	
1.4	16QAM	3	0	21.25	21.31	21.28	
1.4	16QAM	3	1	21.28	21.38	21.29	
1.4	16QAM	3	3	21.36	21.37	21.27	
1.4	16QAM	6	0	20.37	20.45	20.36	21
1.4	64QAM	1	0	20.41	20.49	20.39	21
1.4	64QAM	1	3	20.72	20.73	20.66	
1.4	64QAM	1	5	20.36	20.40	20.38	
1.4	64QAM	3	0	20.33	20.37	20.29	
1.4	64QAM	3	1	20.36	20.40	20.34	
1.4	64QAM	3	3	20.38	20.39	20.33	
1.4	64QAM	6	0	19.39	19.49	19.42	20



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Channel				26047	26365	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1882.5	1914.3	
1.4	QPSK	1	0	22.22	22.38	22.28	24
1.4	QPSK	1	3	22.62	22.70	22.66	
1.4	QPSK	1	5	22.25	22.27	22.24	
1.4	QPSK	3	0	22.41	22.56	22.54	
1.4	QPSK	3	1	22.23	22.28	22.21	
1.4	QPSK	3	3	22.08	22.18	22.13	
1.4	QPSK	6	0	21.21	21.24	21.22	23
1.4	16QAM	1	0	21.27	21.32	21.29	22
1.4	16QAM	1	3	21.62	21.66	21.59	
1.4	16QAM	1	5	21.35	21.36	21.29	
1.4	16QAM	3	0	21.10	21.18	21.08	
1.4	16QAM	3	1	21.26	21.27	21.21	
1.4	16QAM	3	3	21.06	21.16	21.07	
1.4	16QAM	6	0	20.15	20.24	20.22	21
1.4	64QAM	1	0	20.21	20.29	20.23	22
1.4	64QAM	1	3	20.53	20.61	20.54	
1.4	64QAM	1	5	20.19	20.29	20.22	
1.4	64QAM	3	0	20.23	20.26	20.24	
1.4	64QAM	3	1	20.24	20.30	20.20	
1.4	64QAM	3	3	20.14	20.21	20.15	
1.4	64QAM	6	0	19.19	19.29	19.25	21



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Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	22.36	22.43	22.33	23.5
1.4	QPSK	1	3	22.60	22.63	22.55	
1.4	QPSK	1	5	22.16	22.21	22.19	
1.4	QPSK	3	0	22.60	22.56	22.55	
1.4	QPSK	3	1	22.46	22.49	22.44	
1.4	QPSK	3	3	22.22	22.28	22.27	
1.4	QPSK	6	0	21.44	21.45	21.41	22.5
1.4	16QAM	1	0	21.47	21.57	21.47	22.5
1.4	16QAM	1	3	21.77	21.83	21.74	
1.4	16QAM	1	5	21.37	21.47	21.42	
1.4	16QAM	3	0	21.46	21.49	21.46	
1.4	16QAM	3	1	21.41	21.47	21.44	
1.4	16QAM	3	3	21.33	21.37	21.36	
1.4	16QAM	6	0	20.44	20.53	20.47	21.5
1.4	64QAM	1	0	20.50	20.54	20.52	21.5
1.4	64QAM	1	3	20.80	20.84	20.78	
1.4	64QAM	1	5	20.40	20.42	20.34	
1.4	64QAM	3	0	20.41	20.50	20.40	
1.4	64QAM	3	1	20.37	20.46	20.39	
1.4	64QAM	3	3	20.24	20.33	20.30	
1.4	64QAM	6	0	19.40	19.49	19.44	20.5

Band 71 (dBm)							
BW (MHz)	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				133222	133322	133372	
Frequency (MHz)				673	683	688	
20	QPSK	1	0	22.57	22.77	22.67	24
20	QPSK	1	49	23.02	23.05	22.94	
20	QPSK	1	99	22.80	22.62	22.59	
20	QPSK	50	0	21.87	21.92	21.75	23
20	QPSK	50	24	21.84	21.90	21.87	
20	QPSK	50	50	21.76	21.86	21.84	
20	QPSK	100	0	21.75	21.83	21.80	23
20	16QAM	1	0	21.81	21.86	21.85	
20	16QAM	1	49	22.25	22.29	22.19	
20	16QAM	1	99	21.88	21.93	21.89	22
20	16QAM	50	0	20.82	20.86	20.77	
20	16QAM	50	24	20.87	20.89	20.82	
20	16QAM	50	50	20.83	20.85	20.79	22
20	16QAM	100	0	20.73	20.83	20.81	
20	64QAM	1	0	20.67	20.69	20.60	
20	64QAM	1	49	20.98	21.01	20.97	22
20	64QAM	1	99	20.79	20.86	20.85	
20	64QAM	50	0	19.78	19.86	19.80	
20	64QAM	50	24	19.76	19.84	19.75	21
20	64QAM	50	50	19.80	19.83	19.73	
20	64QAM	100	0	19.75	19.81	19.77	
Channel				133197	133297	133397	
Frequency (MHz)				670.5	680.5	690.5	
15	QPSK	1	0	22.48	22.68	22.58	24
15	QPSK	1	37	22.93	22.96	22.85	
15	QPSK	1	74	22.51	22.53	22.50	
15	QPSK	36	0	21.78	21.83	21.66	23
15	QPSK	36	20	21.75	21.81	21.78	
15	QPSK	36	39	21.67	21.77	21.75	
15	QPSK	75	0	21.66	21.74	21.71	23
15	16QAM	1	0	21.72	21.77	21.76	
15	16QAM	1	37	22.16	22.20	22.10	
15	16QAM	1	74	21.79	21.84	21.80	22
15	16QAM	36	0	20.73	20.77	20.68	
15	16QAM	36	20	20.78	20.80	20.73	
15	16QAM	36	39	20.74	20.76	20.70	22
15	16QAM	75	0	20.64	20.74	20.72	
15	64QAM	1	0	20.58	20.60	20.51	
15	64QAM	1	37	20.89	20.92	20.88	22
15	64QAM	1	74	20.70	20.77	20.76	
15	64QAM	36	0	19.69	19.77	19.71	
15	64QAM	36	20	19.67	19.75	19.68	21
15	64QAM	36	39	19.71	19.74	19.64	
15	64QAM	75	0	19.66	19.72	19.68	
Channel				133172	133272	133422	
Frequency (MHz)				668	676	693	
10	QPSK	1	0	22.39	22.59	22.49	24
10	QPSK	1	25	22.84	22.87	22.76	
10	QPSK	1	49	22.42	22.44	22.41	
10	QPSK	25	0	21.69	21.74	21.57	23
10	QPSK	25	12	21.66	21.72	21.69	
10	QPSK	25	25	21.58	21.68	21.66	
10	QPSK	50	0	21.57	21.65	21.62	23
10	16QAM	1	0	21.63	21.68	21.67	
10	16QAM	1	25	22.07	22.11	22.01	
10	16QAM	1	49	21.70	21.75	21.71	22
10	16QAM	25	0	20.64	20.68	20.59	
10	16QAM	25	12	20.69	20.71	20.64	
10	16QAM	25	25	20.65	20.67	20.61	22
10	16QAM	50	0	20.55	20.65	20.63	
10	64QAM	1	0	20.49	20.51	20.42	
10	64QAM	1	25	20.80	20.83	20.79	22
10	64QAM	1	49	20.61	20.68	20.67	
10	64QAM	25	0	19.60	19.68	19.62	
10	64QAM	25	12	19.58	19.66	19.57	21
10	64QAM	25	25	19.62	19.65	19.55	
10	64QAM	50	0	19.57	19.63	19.59	
Channel				133147	133247	133447	
Frequency (MHz)				665.5	675.5	695.5	
5	QPSK	1	0	22.30	22.50	22.40	24
5	QPSK	1	12	22.75	22.78	22.67	
5	QPSK	1	24	22.33	22.35	22.32	
5	QPSK	12	0	21.60	21.65	21.48	23
5	QPSK	12	7	21.57	21.63	21.60	
5	QPSK	12	13	21.49	21.59	21.57	
5	QPSK	25	0	21.48	21.56	21.53	23
5	16QAM	1	0	21.54	21.59	21.58	
5	16QAM	1	12	21.98	22.02	21.92	
5	16QAM	1	24	21.61	21.66	21.62	22
5	16QAM	12	0	20.55	20.59	20.50	
5	16QAM	12	7	20.60	20.62	20.55	
5	16QAM	12	13	20.56	20.58	20.52	22
5	16QAM	25	0	20.46	20.56	20.54	
5	64QAM	1	0	20.40	20.42	20.33	
5	64QAM	1	12	20.71	20.74	20.70	22
5	64QAM	1	24	20.52	20.59	20.58	
5	64QAM	12	0	19.51	19.59	19.53	
5	64QAM	12	7	19.49	19.57	19.48	21
5	64QAM	12	13	19.53	19.56	19.46	
5	64QAM	25	0	19.48	19.54	19.50	

Band 41 (2496~2690MHz) (dBm)									
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Low Channel	Middle Channel	Middle High Channel	High Channel	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	25.62	25.63	25.74	25.71	25.67	26.5
20	QPSK	1	49	25.76	25.83	26.06	25.67	25.80	
20	QPSK	1	99	25.71	25.67	25.72	25.64	25.59	
20	QPSK	50	0	24.76	24.83	25.01	24.79	24.71	
20	QPSK	50	24	24.77	25.01	24.93	24.94	25.00	25.5
20	QPSK	50	50	24.63	24.68	24.72	24.70	24.68	
20	QPSK	100	0	24.64	24.69	24.73	24.63	24.65	
20	16QAM	1	0	24.60	24.61	24.62	24.60	24.56	
20	16QAM	1	49	24.89	24.90	24.91	24.90	24.83	25.5
20	16QAM	1	99	24.54	24.61	24.63	24.54	24.54	
20	16QAM	50	0	23.67	23.71	23.73	23.66	23.71	
20	16QAM	50	24	24.77	24.76	24.80	24.73	24.70	
20	16QAM	50	50	24.66	24.71	24.76	24.70	24.67	25
20	16QAM	100	0	24.64	24.69	24.74	24.64	24.67	
20	64QAM	1	0	23.41	23.40	23.47	23.42	23.41	
20	64QAM	1	49	23.78	23.81	23.82	23.80	23.72	
20	64QAM	1	99	23.39	23.47	23.49	23.40	23.47	24.5
20	64QAM	50	0	22.67	22.62	22.71	22.65	22.67	
20	64QAM	50	24	22.68	22.68	22.74	22.71	22.73	
20	64QAM	50	50	22.70	22.74	22.77	22.75	22.68	
20	64QAM	100	0	22.66	22.73	22.75	22.66	22.70	
Channel				39725	40173	40620	41068	41515	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	25.53	25.54	25.65	25.62	25.58	26.5
15	QPSK	1	37	25.67	25.74	25.97	25.58	25.80	
15	QPSK	1	74	25.62	25.58	25.63	25.55	25.50	
15	QPSK	36	0	24.67	24.74	24.92	24.70	24.62	
15	QPSK	36	20	24.68	24.92	24.84	24.85	24.93	25.5
15	QPSK	36	39	24.54	24.59	24.63	24.61	24.59	
15	QPSK	75	0	24.55	24.60	24.64	24.54	24.56	
15	16QAM	1	0	24.51	24.52	24.53	24.51	24.47	
15	16QAM	1	37	24.80	24.81	24.82	24.81	24.74	25.5
15	16QAM	1	74	24.45	24.52	24.54	24.45	24.45	
15	16QAM	36	0	23.58	23.62	23.64	23.57	23.62	
15	16QAM	36	20	24.68	24.67	24.71	24.64	24.61	
15	16QAM	36	39	24.57	24.62	24.67	24.61	24.58	25
15	16QAM	75	0	24.55	24.60	24.65	24.55	24.58	
15	64QAM	1	0	23.32	23.31	23.38	23.33	23.32	
15	64QAM	1	37	23.69	23.72	23.73	23.71	23.63	
15	64QAM	1	74	23.30	23.38	23.40	23.31	23.38	24.5
15	64QAM	36	0	22.58	22.53	22.62	22.56	22.58	
15	64QAM	36	20	22.59	22.59	22.65	22.62	22.64	
15	64QAM	36	39	22.61	22.65	22.68	22.66	22.59	
15	64QAM	75	0	22.57	22.64	22.66	22.57	22.61	
Channel				39700	40160	40620	41080	41540	
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	25.44	25.45	25.56	25.53	25.49	26.5
10	QPSK	1	25	25.58	25.65	25.88	25.49	25.71	
10	QPSK	1	49	25.53	25.49	25.54	25.46	25.41	
10	QPSK	25	0	24.58	24.65	24.83	24.61	24.53	
10	QPSK	25	12	24.59	24.83	24.75	24.76	24.84	25.5
10	QPSK	25	25	24.45	24.50	24.54	24.52	24.50	
10	QPSK	50	0	24.46	24.51	24.55	24.45	24.47	
10	16QAM	1	0	24.42	24.43	24.44	24.42	24.38	
10	16QAM	1	25	24.71	24.72	24.73	24.72	24.65	25.5
10	16QAM	1	49	24.36	24.43	24.45	24.36	24.36	
10	16QAM	25	0	23.49	23.53	23.55	23.48	23.53	
10	16QAM	25	12	24.59	24.58	24.62	24.55	24.52	
10	16QAM	25	25	24.48	24.53	24.58	24.52	24.49	25
10	16QAM	50	0	24.46	24.51	24.56	24.46	24.49	
10	64QAM	1	0	23.23	23.22	23.29	23.24	23.23	
10	64QAM	1	25	23.60	23.63	23.64	23.62	23.54	
10	64QAM	1	49	23.21	23.29	23.31	23.22	23.29	24.5
10	64QAM	25	0	22.49	22.44	22.53	22.47	22.49	
10	64QAM	25	12	22.50	22.50	22.56	22.53	22.55	
10	64QAM	25	25	22.52	22.56	22.59	22.57	22.50	
10	64QAM	50	0	22.48	22.55	22.57	22.48	22.52	
Channel				39675	40148	40620	41093	41565	
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	25.35	25.36	25.47	25.44	25.40	26.5
5	QPSK	1	12	25.49	25.56	25.79	25.40	25.62	
5	QPSK	1	24	25.44	25.40	25.45	25.37	25.32	
5	QPSK	12	0	24.49	24.56	24.74	24.52	24.44	
5	QPSK	12	7	24.50	24.74	24.66	24.67	24.75	25.5
5	QPSK	12	13	24.36	24.41	24.45	24.43	24.41	
5	QPSK	25	0	24.37	24.42	24.46	24.36	24.38	
5	16QAM	1	0	24.33	24.34	24.35	24.33	24.29	
5	16QAM	1	12	24.62	24.63	24.64	24.63	24.56	25.5
5	16QAM	1	24	24.27	24.34	24.36	24.27	24.27	
5	16QAM	12	0	23.40	23.44	23.46	23.39	23.44	
5	16QAM	12	7	24.50	24.49	24.53	24.46	24.43	
5	16QAM	12	13	24.39	24.44	24.49	24.43	24.40	25
5	16QAM	25	0	24.37	24.42	24.47	24.37	24.40	
5	64QAM	1	0	23.14	23.13	23.20	23.15	23.14	
5	64QAM	1	12	23.51	23.54	23.55	23.53	23.45	
5	64QAM	1	24	23.12	23.20	23.22	23.13	23.20	24.5
5	64QAM	12	0	22.40	22.35	22.44	22.38	22.40	
5	64QAM	12	7	22.41	22.41	22.47	22.44	22.46	
5	64QAM	12	13	22.43	22.47	22.50	22.48	22.41	
5	64QAM	25	0	22.39	22.46	22.48	22.39	22.43	

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	15.34	17.00	18.00	99.67
		CH 6	2437	15.76	17.00	18.00	
		CH 11	2462	15.62	17.00	18.00	
	802.11g 6Mbps	CH 1	2412	12.31	14.00	15.00	97.62
		CH 6	2437	12.65	14.00	15.00	
		CH 11	2462	12.81	14.00	15.00	
	802.11n-HT20 MCS0	CH 1	2412	12.51	14.00	15.00	97.46
		CH 6	2437	12.38	14.00	15.00	
		CH 11	2462	12.80	14.00	15.00	

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	5.61	7.00	3.13	5.00	3.05	5.00
	CH 39	2441	5.64	7.00	2.92	4.50	3.10	5.00
	CH 78	2480	5.34	7.00	2.30	4.00	2.55	4.50
Duty Cycle %			76.85		76.99		77.01	

Mode	Channel	Frequency (MHz)	Average power (dBm)
			GFSK
LE	CH 00	2402	4.48
	CH 19	2440	4.59
	CH 39	2480	4.28
Tune-up Limit			6
Duty Cycle %			61.29

Reduced Power

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	28.52	28.61	28.54	29.00	19.52	19.61	19.54	20.00
GPRS 1 Tx slot	28.44	28.59	28.52	29.00	19.44	19.59	19.52	20.00
GPRS 2 Tx slots	27.94	28.03	27.97	28.30	21.94	22.03	21.97	22.30
GPRS 3 Tx slots	26.32	26.36	26.24	26.50	22.06	22.10	21.98	22.24
GPRS 4 Tx slots	25.26	25.27	25.22	25.50	22.26	22.27	22.22	22.50
EDGE 1 Tx slot	25.28	25.29	25.26	25.50	16.28	16.29	16.26	16.50
EDGE 2 Tx slots	23.69	23.71	23.66	24.50	17.69	17.71	17.66	18.50
EDGE 3 Tx slots	22.03	22.15	21.96	23.00	17.77	17.89	17.70	18.74
EDGE 4 Tx slots	20.78	20.82	20.73	22.00	17.78	17.82	17.73	19.00
Mode		Max.	28.61			Max.	22.27	
Attenuator	Cable Loss : 0.8							

Band TX Channel	WCDMA Band II (dBm)			Tune-up Limit (dBm)	WCDMA Band IV (dBm)			Tune-up Limit (dBm)
	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	20.94	20.99	20.92	21.50	19.91	19.95	19.88	20.50
3GPP Rel 5 HSDPA Subtest-1	19.80	19.79	19.74	20.50	18.69	18.72	18.83	19.50
3GPP Rel 5 HSDPA Subtest-2	19.82	19.76	19.80	20.50	18.66	18.70	18.72	19.50
3GPP Rel 5 HSDPA Subtest-3	19.34	19.30	19.26	20.00	18.25	18.20	18.24	19.00
3GPP Rel 5 HSDPA Subtest-4	19.33	19.26	19.25	20.00	18.17	18.19	18.22	19.00
3GPP Rel 6 HSUPA Subtest-1	19.35	19.28	19.25	20.00	18.22	18.23	18.25	19.00
3GPP Rel 6 HSUPA Subtest-2	19.82	19.80	19.75	20.50	18.73	18.98	18.81	19.50
3GPP Rel 6 HSUPA Subtest-3	18.84	18.81	18.81	20.00	17.76	17.74	17.81	19.00
3GPP Rel 6 HSUPA Subtest-4	19.86	19.80	19.78	20.50	18.68	18.76	18.79	19.50
3GPP Rel 6 HSUPA Subtest-5	18.82	18.75	18.79	19.50	17.71	17.73	17.77	19.00
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	17.44	17.39	17.41	18.00	16.29	16.34	16.31	17.00
Attenuator	Cable Loss : 0.8							
Mode		Max.	20.99			Max.	19.95	



Channel				18607	18900	19193	Tune-up limit (dBm)	
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	22.17	22.31	22.14	22.5	
1.4	QPSK	1	3	22.34	22.49	22.41		
1.4	QPSK	1	5	22.05	22.04	22.06		
1.4	QPSK	3	0	22.32	22.41	22.37		
1.4	QPSK	3	1	22.24	22.26	22.21		
1.4	QPSK	3	3	22.17	22.21	22.16		
1.4	QPSK	6	0	21.31	21.40	21.30		22.5
1.4	16QAM	1	0	21.43	21.50	21.41		22.5
1.4	16QAM	1	3	21.69	21.70	21.65		
1.4	16QAM	1	5	21.48	21.49	21.41		
1.4	16QAM	3	0	21.26	21.28	21.27		
1.4	16QAM	3	1	21.19	21.25	21.18		
1.4	16QAM	3	3	21.25	21.26	21.16		
1.4	16QAM	6	0	20.30	20.39	20.37	21	
1.4	64QAM	1	0	20.38	20.45	20.41	21	
1.4	64QAM	1	3	20.54	20.61	20.58		
1.4	64QAM	1	5	20.15	20.24	20.18		
1.4	64QAM	3	0	20.29	20.33	20.32		
1.4	64QAM	3	1	20.33	20.36	20.28		
1.4	64QAM	3	3	20.21	20.30	20.28		
1.4	64QAM	6	0	19.36	19.46	19.38		20

Channel				19957	20175	20393	Tune-up limit (dBm)	
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	19.83	19.88	19.84	23.5	
1.4	QPSK	1	3	20.06	20.14	19.99		
1.4	QPSK	1	5	19.65	19.69	19.64		
1.4	QPSK	3	0	19.05	19.11	19.02		
1.4	QPSK	3	1	18.82	18.99	18.98		
1.4	QPSK	3	3	18.89	18.97	18.87		
1.4	QPSK	6	0	19.93	19.94	19.91		22
1.4	16QAM	1	0	19.95	20.01	19.98		23.5
1.4	16QAM	1	3	20.25	20.32	20.24		
1.4	16QAM	1	5	19.96	20.02	20.00		
1.4	16QAM	3	0	18.87	18.93	18.90		
1.4	16QAM	3	1	18.90	19.00	18.91		
1.4	16QAM	3	3	18.98	18.99	18.89		
1.4	16QAM	6	0	19.87	19.95	19.86	21	
1.4	64QAM	1	0	19.91	19.99	19.89	21	
1.4	64QAM	1	3	20.22	20.23	20.16		
1.4	64QAM	1	5	19.86	19.90	19.88		
1.4	64QAM	3	0	18.95	18.99	18.91		
1.4	64QAM	3	1	18.98	19.02	18.96		
1.4	64QAM	3	3	19.00	19.01	18.95		
1.4	64QAM	6	0	19.39	19.49	19.42		20



Channel				26047	26365	26683	Tune-up limit (dBm)	
Frequency (MHz)				1850.7	1882.5	1914.3		
1.4	QPSK	1	0	20.72	20.86	20.78	22.5	
1.4	QPSK	1	3	21.12	21.20	21.16		
1.4	QPSK	1	5	20.75	20.77	20.74		
1.4	QPSK	3	0	20.91	21.06	21.04		
1.4	QPSK	3	1	20.73	20.78	20.71		
1.4	QPSK	3	3	20.58	20.68	20.63		
1.4	QPSK	6	0	20.71	20.74	20.72		22.5
1.4	16QAM	1	0	21.27	21.32	21.29		22.5
1.4	16QAM	1	3	21.82	21.66	21.59		
1.4	16QAM	1	5	21.35	21.36	21.29		
1.4	16QAM	3	0	21.10	21.18	21.08		
1.4	16QAM	3	1	21.26	21.27	21.21		
1.4	16QAM	3	3	21.06	21.16	21.07		
1.4	16QAM	6	0	20.15	20.24	20.22	21	
1.4	64QAM	1	0	20.21	20.29	20.23	22.5	
1.4	64QAM	1	3	20.53	20.61	20.54		
1.4	64QAM	1	5	20.19	20.29	20.22		
1.4	64QAM	3	0	20.23	20.26	20.24		
1.4	64QAM	3	1	20.24	20.30	20.20		
1.4	64QAM	3	3	20.14	20.21	20.15		
1.4	64QAM	6	0	19.19	19.29	19.25		20

Channel				131979	132322	132665	Tune-up limit (dBm)	
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	20.36	20.43	20.33	21.5	
1.4	QPSK	1	3	20.60	20.63	20.55		
1.4	QPSK	1	5	20.16	20.21	20.19		
1.4	QPSK	3	0	20.70	20.66	20.65		
1.4	QPSK	3	1	20.56	20.59	20.54		
1.4	QPSK	3	3	20.32	20.38	20.37		
1.4	QPSK	6	0	20.44	20.45	20.41		21.5
1.4	16QAM	1	0	20.47	20.57	20.47		21.5
1.4	16QAM	1	3	20.77	20.83	20.74		
1.4	16QAM	1	5	20.37	20.47	20.42		
1.4	16QAM	3	0	20.56	20.59	20.56		
1.4	16QAM	3	1	20.51	20.57	20.54		
1.4	16QAM	3	3	20.43	20.47	20.46		
1.4	16QAM	6	0	20.44	20.53	20.47	21.5	
1.4	64QAM	1	0	20.50	20.54	20.52	21.5	
1.4	64QAM	1	3	20.80	20.84	20.78		
1.4	64QAM	1	5	20.40	20.42	20.34		
1.4	64QAM	3	0	20.31	20.40	20.30		
1.4	64QAM	3	1	20.27	20.36	20.29		
1.4	64QAM	3	3	20.14	20.23	20.20		
1.4	64QAM	6	0	19.37	19.45	19.41		20.5