

AppendixA: Effective (Isotropic) Radiated Power Output Data

Test Result

WCDMA Band II		Conducted Power(dBm)		
		Channel 9262	Channel 9400	Channel 9538
		1852.4(MHz)	1880(MHz)	1907.6(MHz)
RMC	12.2k	23.38	23.33	23.18
	64k	23.32	23.21	23.02
	144k	23.23	23.16	23.01
	384k	23.22	23.17	23.02
HSDPA	Sub - Test 1	22.36	22.37	22.35
	Sub - Test 2	22.39	22.37	22.3
	Sub - Test 3	21.86	21.87	21.8
	Sub - Test 4	21.9	21.81	21.8
HSUPA	Sub - Test 1	22.4	22.39	22.3
	Sub - Test 2	21.9	21.88	21.82
	Sub - Test 3	22.43	22.38	22.34
	Sub - Test 4	22.48	22.34	22.32
	Sub - Test 5	22.32	22.21	22.18
DC-HSDPA	Sub - Test 1	23.31	23.22	23.07
	Sub - Test 2	23.3	23.21	23.06
	Sub - Test 3	22.79	22.7	22.55
	Sub - Test 4	22.78	22.79	22.53
Antenna Gain (dBi)		4.64		
Max. EIRP for FCC (dBm)		28.02		
EIRP Limit for FCC (dBm)		33.01		

WCDMA Band IV		Conducted Power(dBm)		
		Channel 1312	Channel 1413	Channel 1513
		1712.4 (MHz)	1732.6 (MHz)	1752.6(MHz)
RMC	12.2k	23.57	23.56	23.51
	64k	23.43	23.5	23.38
	144k	23.42	23.4	23.37
	384k	23.41	23.39	23.36
HSDPA	Sub - Test 1	23.27	23.25	23.26
	Sub - Test 2	23.25	23.28	23.32
	Sub - Test 3	22.89	22.79	22.86
	Sub - Test 4	22.83	22.74	22.8
HSUPA	Sub - Test 1	23.32	23.25	23.3
	Sub - Test 2	22.84	22.81	22.8
	Sub - Test 3	23.32	23.31	23.27
	Sub - Test 4	23.31	23.29	23.36
	Sub - Test 5	23.26	23.16	23.25
DC-HSDPA	Sub - Test 1	23.44	23.43	23.38
	Sub - Test 2	23.42	23.42	23.37
	Sub - Test 3	22.91	22.91	22.86
	Sub - Test 4	22.9	22.9	22.85
Antenna Gain (dBi)		4.14		
Max. EIRP for FCC (dBm)		27.71		
EIRP Limit for FCC (dBm)		30		

WCDMA Band V		Conducted Power(dBm)		
		Channel 4132	Channel 4183	Channel 4233
		826.4(MHz)	836.6(MHz)	846.6(MHz)
RMC	12.2k	23.06	22.99	23.12
	64k	22.99	22.85	23.06
	144k	22.98	22.84	22.96
	384k	22.97	22.83	22.95
HSDPA	Sub - Test 1	22.79	22.64	22.69
	Sub - Test 2	22.75	22.68	22.78
	Sub - Test 3	22.39	22.32	22.3
	Sub - Test 4	22.31	22.25	22.26
HSUPA	Sub - Test 1	22.82	22.74	22.75
	Sub - Test 2	22.31	22.26	22.29
	Sub - Test 3	22.76	22.78	22.75
	Sub - Test 4	22.77	22.71	22.76
	Sub - Test 5	22.73	22.76	22.71
DC-HSDPA	Sub - Test 1	22.93	22.86	22.99
	Sub - Test 2	23.02	22.84	22.98
	Sub - Test 3	22.51	22.33	22.47
	Sub - Test 4	22.5	22.32	22.46
Antenna Gain (dBi)		3.48		
Max. ERP for FCC (dBm)		24.45		
ERP Limit for FCC (dBm)		38.45		

Note: EIRP (dBm) = Burst Average power (dBm) + Antenna Gain (dBi).

ERP (dBm) = EIRP (dBm) ++ Antenna Gain (dBi)- 2.15 (dB).

Spot Check Test Result

WCDMA Band II		Conducted Power(dBm)		
		Channel 9262	Channel 9400	Channel 9538
		1852.4(MHz)	1880(MHz)	1907.6(MHz)
RMC	12.2k	23.59	23.45	23.45
	64k	23.25	23.54	23.09
	144k	23.63	22.95	22.54
	384k	23.22	22.84	22.97
Antenna Gain (dBi)		4.64		
Max. EIRP for FCC (dBm)		28.27		
ERP Limit for FCC (dBm)		33.01		

WCDMA Band IV		Conducted Power(dBm)		
		Channel 1312	Channel 1413	Channel 1513
		1712.4 (MHz)	1732.6 (MHz)	1752.6(MHz)
RMC	12.2k	23.39	23.16	23.20
	64k	23.50	23.25	23.52
	144k	23.41	23.24	23.15
	384k	23.38	23.87	23.58
Antenna Gain (dBi)		4.14		
Max. EIRP for FCC (dBm)		28.01		
ERP Limit for FCC (dBm)		30.00		

WCDMA Band V		Conducted Power(dBm)		
		Channel 4132	Channel 4183	Channel 4233
		826.4(MHz)	836.6(MHz)	846.6(MHz)
RMC	12.2k	22.93	22.66	23.28
	64k	23.48	23.27	23.3
	144k	22.98	22.49	23.32
	384k	23.43	22.71	23.02
Antenna Gain (dBi)		3.48		
Max. ERP for FCC (dBm)		24.81		
ERP Limit for FCC (dBm)		38.45		

Note: EIRP (dBm) = Burst Average power (dBm) + Antenna Gain (dBi).

ERP (dBm) = EIRP (dBm) + Antenna Gain (dBi)- 2.15 (dB).