

Appendix E. CDMA2000 1xRTT Test Modes for HAC

The phone was tested in all normal configurations for the ear usage. These test configurations are tested at the high, middle and low frequency channels of each applicable operating mode, if applicable; each configuration is tested with the antenna in its fully stowed and deployed positions. The signal was setup by linking an over the air connection between the DUT and an Agilent 8960 (E5515C Wireless Communications Tester). The CDMA radio is available on IS-95 (Radio Configuration 1) and CDMA2000 1xRTT (Radio Configuration 3). The DUT supports IS-95 2G networks, CDMA2000 1xRTT for Cellular band and PCS band. The maximum peak field is chosen for HAC testing for worst case scenario. A full HAC measurement in this report is done in eighth rate of RC2+SO17 mode for Cellular and PCS band.

Peak Field List:

Band	RC	SO	Type	Data Rate	Peak Field (V/m)
Cellular	1	2	Loop	Full	56.2
				Eighth	60.4
	1	3	Voice	-	59.9
	1	55	Loop	Full	55.2
				Eighth	56.7
	2	17	Voice	-	62.5
	2	32768	Voice	-	60.5
	3	2	Loop	Full	53.9
				Eighth	52.5
	3	3	Voice	-	55.2
	3	55	Loop	Full	54.3
				Eighth	54.3
	4	3	Voice	-	54
	5	17	Voice	-	53.9
	5	32768	Voice	-	56.2



Conducted Power List:

Band	RC	SO	Type	Data Rate	Low Ch (1013)	Mid Ch (384)	High Ch (777)
Cellular	1	2	Loop	Full	24.30	24.02	23.95
				Eighth	24.39	23.92	24.34
	1	3	Voice	-	24.67	24.29	24.48
	1	55	Loop	Full	24.60	24.24	23.96
				Eighth	24.61	24.18	24.62
	2	17	Voice	-	24.65	24.16	24.34
	2	32768	Voice	-	24.58	24.00	24.38
	3	2	Loop	Full	24.22	24.01	23.89
				Eighth	24.24	23.98	23.96

Band	RC	SO	Type	Data Rate	Low Ch (25)	Mid Ch (600)	High Ch (1175)
PCS	1	2	Loop	Full	24.22	24.19	23.72
				Eighth	24.26	24.22	23.97
	1	3	Voice	-	24.38	24.33	23.92
	1	55	Loop	Full	23.88	23.75	23.98
				Eighth	24.29	24.19	23.49
	2	17	Voice	-	24.46	24.34	24.01
	2	32768	Voice	-	24.00	24.35	24.15
	3	2	Loop	Full	24.21	24.18	23.43
				Eighth	24.01	23.99	23.28

*Unit: dBm



Band	RC	SO	Type	Data Rate	High Ch (476)
BC10	1	2	Loop	Full	24.32
				Eighth	24.25
	1	3	Voice	-	24.30
	1	55	Loop	Full	24.50
				Eighth	24.41
	2	17	Voice	-	24.43
	2	32768	Voice	-	24.39
	3	2	Loop	Full	24.51
				Eighth	24.44
	3	3	Voice	-	24.23
	3	55	Loop	Full	24.53
				Eighth	24.48
	4	3	Voice	-	24.29
	5	17	Voice	-	24.11
	5	32768	Voice	-	24.22



Reference:

- [1] SAR Measurement Procedures for 3G Devices CDMA 2000/Ev-Do/WCDMA/HSDPA, June 2006
Laboratory Division Office of Engineering and Technology Federal Communications Commission
- [2] 3.1.2.3.4 Maximum RF Output Power 3GPP2 C.S0033-0 Version 2.0, Date: 12 December 2003
Recommended Minimum Performance Standards for cdma2000 High Rate Packet Data Access
Terminal
- [3] Preliminary Guidance for Reviewing Applications for Certification of 3G Devices, May 9, 2006.
- [4] Publication Number: 766989 Rule Parts: 90S Publication Date: 04/09/2007