



Appendix D - 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 EUT 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 EUT supports IS95 2G networks, CDMA2000 1xRTT for Cellular band, AWS 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 CDMA2000 1xRTT mode RC3 + SO55 for Cellular band, AWS band and PCS band.

Peak Field list:

Band	RC	SO	Type	Data Rate	Peak Field (V/m) Mid Ch (384)
CDMA2000 1xRTT Cellular	1	2	Loop	Full	122.7
				Eighth	120.2
	1	3	Voice	-	119.4
	1	55	Loop	Full	121.8
				Eighth	120.3
	2	17	Voice	-	120.0
	2	32768	Voice	-	120.8
	3	55	Loop	Full	123.7
	3	2	Loop	Full	122.4



Power list:

(MEID: 238435456102522603)

Band	RC	SO	Type	Data Rate	Conducted Power (dBm)	Conducted Power (dBm)	Conducted Power (dBm)
					Low Ch (1013)	Mid Ch (384)	High Ch (777)
CDMA2000 1xRTT Cellular	1	2	Loop	Full	24.89	24.80	24.92
				Eighth	25.05	24.81	25.01
	1	3	Voice	-	25.01	24.89	25.07
				-	-	-	-
	1	55	Loop	Full	24.80	24.73	24.82
				Eighth	25.00	24.85	25.02
	2	17	Voice	-	24.95	24.82	25.07
				-	-	-	-
	2	32768	Voice	-	25.03	24.81	25.08
				-	-	-	-
	3	2	Loop	Full	24.76	24.68	24.82
				Eighth	x	x	x
	3	3	Voice	-	x	x	x
				-	-	-	-

Remark: "x" = not supported

Band	RC	SO	Type	Data Rate	Conducted Power (dBm)	Conducted Power (dBm)	Conducted Power (dBm)
					Low Ch (25)	Mid Ch (425)	High Ch (875)
CDMA2000 1xRTT AWS	1	2	Loop	Full	24.71	24.54	24.52
				Eighth	24.72	24.46	24.50
	1	3	Voice	-	24.70	24.40	24.59
				-	-	-	-
	1	55	Loop	Full	24.74	24.41	24.47
				Eighth	24.77	24.45	24.59
	2	17	Voice	-	24.68	24.32	24.54
				-	-	-	-
	2	32768	Voice	-	24.69	24.42	24.54
				-	-	-	-
	3	2	Loop	Full	24.87	24.54	24.53
				Eighth	x	x	x
	3	3	Voice	-	x	x	x
				-	-	-	-

Remark: "x" = not supported



Band	RC	SO	Type	Data Rate	Conducted Power (dBm)	Conducted Power (dBm)	Conducted Power (dBm)
					Low Ch (25)	Mid Ch (600)	High Ch (1175)
CDMA2000 1xRTT PCS	1	2	Loop	Full	23.66	24.21	24.24
				Eighth	24.03	24.18	24.31
	1	3	Voice	-	23.88	24.27	24.35
	1	55	Loop	Full	23.83	24.18	24.25
				Eighth	24.10	24.14	24.38
	2	17	Voice	-	24.29	24.34	24.45
	2	32768	Voice	-	24.25	24.30	24.41
	3	2	Loop	Full	23.72	24.21	24.15
				Eighth	x	x	x
	3	3	Voice	-	x	x	x
	3	55	Loop	Full	23.74	24.20	24.14
				Eighth	x	x	x
	4	3	Voice	-	x	x	x
	5	17	Voice	-	x	x	x
	5	32768	Voice	-	x	x	x

Remark: "x" = not supported

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.] May 9, 2006 Preliminary Guidance for Reviewing Applications for Certification of 3G Devices.
- [4.] Publication Number: 766989 Rule Parts: 90S Publication Date: 04/09/2007