

Hi Martin :

To address your audit questions :

3G review policy in term of Radio Capabilities :

CDMA 2000 1X MS protocol revision number 6 and 1xEVDO Rev. 0

EMC Consideration :

Based upon information uploaded, the following radio configuration and service options are supported and measured :

Cellular Band

		RC1	RC2	RC3		RC4	RC5
Spreading Rate		1	1	1		1	3
Rate Set, bps (R-FCH)							
Code Rate		$\frac{1}{3}$	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{3}$
Modulation		64-ray orthogonal	64-ray orthogonal	BPSK + pilot		BPSK + pilot	BPSK + pilot
Service Option	Type	Power (dBm)	Power (dBm)	Power (dBm)		Power (dBm)	Power (dBm)
1	Voice	N/A	N/A	N/A		N/A	N/A
2	Loop Back	24.9	N/A	24.8		N/A	N/A
3	Voice	24.9	N/A	24.8		N/A	N/A
9	Loop Back	N/A	24.9	N/A		24.8	N/A
17	Voice	N/A	25.0	N/A		24.8	N/A
32	+F-SCH	N/A	N/A	24.8		N/A	N/A
32	+SCH	N/A	N/A	24.9		N/A	N/A
33	+SCH	N/A	N/A	24.8		24.8	N/A
33	+F-SCH	N/A	N/A	24.9		N/A	N/A
55	Loop Back	24.9	25.0	24.9		24.9	N/A
032768	Voice	N/A	25.0	N/A		24.9	N/A

PCS band

		RC1	RC2	RC3		RC4	RC5
Spreading Rate		1	1	1		1	3
Rate Set, bps (R-FCH)							
Code Rate		$\frac{1}{3}$	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{3}$
Modulation		64-ray orthogonal	64-ray orthogonal	BPSK + pilot		BPSK + pilot	BPSK + pilot
Service Option	Type	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)
1	Voice	N/A	N/A	N/A	N/A	N/A	N/A
2	Loop Back	25.0	N/A	24.9	N/A	N/A	N/A
3	Voice	25.0	N/A	25.0	N/A	N/A	N/A
9	Loop Back	N/A	25.0	N/A	24.9	N/A	N/A
17	Voice	N/A	25.0	N/A	25.0	N/A	N/A
32	+F-SCH	N/A	N/A	24.9	N/A	N/A	N/A
32	+SCH	N/A	N/A	24.7	N/A	N/A	N/A
33	+SCH	N/A	N/A	24.8	24.9	N/A	N/A
33	+F-SCH	N/A	N/A	25.0	N/A	N/A	N/A
55	Loop Back	25.0	25.0	25.0	24.9	N/A	N/A
032768	Voice	N/A	25.0	N/A	25.0	N/A	N/A

Preliminary tests performed to determine the worst case

Part 22/24 portion			Average Power (Mid Channel)	99% Bandwidth (Mid Channel)	26dB Bandwidth (Mid Channel)	Co Low C
Cellular Band	1XRTT	RC3/SO2	24.8	1.265	1.435	-17
	1XRTT	RC3/SO32 (+F-SCH)	24.9	1.270	1.435	-16
	1XRTT	RC3/SO32 (+SCH)	24.9	1.270	1.435	-16
	1XRTT	RC3/SO55	24.9	1.270	1.435	-16
	EVDO		24.9	1.270	1.435	-16
PCS Band	1XRTT	RC3/SO2	24.9	1.270	1.430	-27
	1XRTT	RC3/SO32 (+F-SCH)	24.9	1.270	1.420	-29
	1XRTT	RC3/SO32 (+SCH)	24.9	1.270	1.435	-28
	1XRTT	RC3/SO55	25.0	1.270	1.435	-27
	EVDO		24.9	1.270	1.430	-28

As indicated in the TCB Q and A file uploaded to the FCC, the following mode were used during final tests:

CDMA 2000 1x =RC3 / SO55

1xEVDO Rev. 0= RC3 FTAP :307.2kbps; RTAP :153.6kbps

The output power measurement is documented in section 4.1 of revised Part 22/24 test report. The measurement were made by using CDMA Mobile Station Test Set HP8924C.

SAR Consideration :

Output power verification by radio configuration and service option:

Preliminary tests were performed to verify the output power.

SAR Portion			Average Power (Mid Channel)
Cellular Band	1XRTT	RC3/SO32 (+F-SCH)	24.9
	1XRTT	RC3/SO55	24.9
	EVDO		24.9
PCS Band	1XRTT	RC3/SO32 (+F-SCH)	24.9
	1XRTT	RC3/SO55	25.0
	EVDO		24.9

During the final SAR evaluation, head and body-worn SAR test method and test mode rational have been documented in section 12.2, and 12.3 of revised SAR test report. Since the average output power between RC1 and RC3 is within 1/4 dB and RC3/SO32 and RC/SO55 has the same average output power. As documented in the revised SAR test report, RC3/SO55 was used during final head SAR evaluation.

During body-worn SAR evaluation, RC3/SO55 and 1xEVDO RC3 FTAP :307.2kbps; RTAP :153.were investigated. The highest measured SAR value for RC3/SO55 = 0.537 W/kg , 1xEVDO=0.336 W/kg. All measurement data have been included in the revised SAR test report.

HAC Consideration :

HAC tests were performed based upon same engineering rational as EMC and SAR. Since RC3/SO55 has the higher output power, all HAC tests were performed on RC3/SO55.

If you have any question, please feel free to contact me.

Best Regards

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