

Appendix A

Non-Conformities for US Radio Equipment Authorization

Non-Conformities FCC ID: UIQE1000 (CKC CS Ref # E07-000020-01)

The items listed below represent requests for information following review of this application for certification under United States (FCC) regulations. . Further question may arise pending review of responses to these items.

OK	#	Non-Conformity or Comment	Submitted Response	Respondent / Date of Response
		<i>Part 15 Devices</i>		
X	1	The confidentiality letter provided includes a request for temporary confidentiality for test setup photos and label placement. These items are not allowed to be held confidential in accordance with DA04-1705. Please provide a revised temporary confidentiality letter.	Temporary confidentiality request repealed	CKC Labs 3/13/07
X	2	Temporary Confidentiality letter includes a reference to DA04-170. This document is not a valid reference. This appears to be a typo, please clarify.	Temporary confidentiality request repealed	CKC Labs 3/13/07
X	3	From the internal photos, it appears that the antennas are located near the bottom front of the equipment. Antenna positioning during testing appears to have equipment antenna near RF absorbing material. Please clarify whether maximum emissions were measured from equipment under test while EUT antennas are separated from the table.	Only LAN and BT cards have antennas in the bottom of the host; WAN antennas are in the lid. Test lab remeasured spurious emissions from host with device raised off the table.	CKC Labs 3/13/07
X	4	Compliance with 15.247(e) is unclear. There are several plots included in the report however, they are not normalized to 3kHz bandwidth. Please clarify purpose of plots on pages 35 – 52. Compliance appears to have been met with plots on pages 53-58.	Updated test report provided	CKC Labs 3/13/07
X	5	Additionally, Bluetooth devices are not required to meet 15.247(e); please clarify intent of the plots included on pages 59 – 61.	Updated test report provided	CKC Labs 3/13/07
X	6	Please clarify version of Bluetooth used and type of modulation investigated during testing.	Bluetooth Version: 2.0 +EDR Modulation: 8DPSK (enhanced data rate)	CKC Labs 3/13/07
X	7	Please clarify compliance with 15.27, special accessories. The use of shielded cables is specified in the users manual on page 82. Please provide evidence or statement(s) of compliance with this part. REFERENCE Excerpt:”§ 15.27 Special accessories. (a) Equipment marketed to a consumer must be capable of complying with the necessary regulations in the	Updated users manual provided. “Shielded cables were not used.”	CKC Labs 3/13/07

		configuration in which the equipment is marketed. Where special accessories, such as shielded cables and/or special connectors, are required to enable an unintentional or intentional radiator to comply with the emission limits in this part, the equipment must be marketed with, i.e., shipped and sold with, those special accessories. ”		
		Part 22/24 Device		
X	8	Operational description for the part 22/24 radio is not included, please provide.	Operational description provided.	CKC Labs 3/13/07
X	9	Please clarify available modes of operation. Ie, does the device operate in modes other than CDMA?	WAN is CDMA only. (1XEVD0)	CKC Labs 3/13/07
X	10	From the internal photos, it appears that the antennas are located near the bottom front of the equipment. Antenna positioning during testing appears to have equipment antenna near RF absorbing material. Please clarify whether maximum emissions were measured from equipment under test while EUT antennas are separated from the table.	See item 3 above.	CKC Labs 3/13/07
		RF Exposure		
X	11	The RF power output is not consistent between the EMC and SAR reports: Please explain why RFX report indicates conducted output power for part 24E lower than the EMC report. Please explain why RFX report indicates conducted output power for part 22H and 15C higher than EMC report..	Revised RF Exposure report provided. CKC CS notes that the conducted power output is in good agreement between test reports.	CKC Labs 3/13/07
X	12	Page 1 of SAR report indicates FCC part 15 E rule part. Please confirm whether part 15C testing was performed.	Revised RF Exposure report provided.	CKC Labs 3/13/07
X	13	The RF Exposure Report (part 1 page 20) indicates testing only on channel 6 for 802.11b/g. Please clarify how compliance to FCC 802.11b/g SAR measurement procedures have been satisfied (REF 80211-SAR-1006 rev1d1.pdf updated OCT 2006) with channels 1 and 11.	Revised RF Exposure report provided.	CKC Labs 3/13/07
NC	14	TCB cannot locate RF Exposure statement in Users manual. Please provide an updated users manual including necessary warning statements.		See NC-2
X	15	Specific Device operating conditions do not appear to be defined for the 802.11 / Bluetooth device; please clarify operating conditions for this test.	Revised RF Exposure report provided.	CKC Labs 3/13/07
		General		
X	16	The schematics, block diagrams and operational descriptions must be provided for the WAN module as well as the BT and LAN devices. Please provide all necessary documents in accordance with 2.1033.	Documents provided.	CKC Labs 3/13/07

NC	17	Please provide updated test setup photos exhibit showing revised testing with the device off the table.		See NC-2
X	18	Please clarify power output measurements: power output to be listed on part 22 and 24 reports is ERP and EIPR respectively. The test reports do not specify.	Updated test reports provided	CKC Labs 3/21/07

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OK	#	Non-Conformity or Comment	Submitted Response	Respondent / Date of Response
X	1	NC-01Item 14 not closed: TCB cannot locate RF Exposure statement in Users manual. Please provide an updated users manual including necessary warning statements.	Statements were already provided on page 82 of users manual.	CKC 3/23/07
X	2	NC-01Item 17 not closed: Please provide updated test setup photos exhibit showing revised testing with the device off the table.	Updated setup photos provided	CKC 3/23/07
X	3	New Item: Please explain how data on page 14 of FC07-011 and FC07-012 test reports demonstrates compliance to emissions limitations for the equipment. Specifically, the limit is specified as an attenuation requirement, not a measurement of field strength.	Test reports updated	CKC 3/23/07
X	4	New Item: Please provide updated label statement in accordance with 15.19; FCC requires devices to display two part warning on the equipment, if the equipment is larger than the palm of your hand.	Updated label provided.	CKC 3/23/07