

Non-Conformities FCC ID: LTY-9710-PS009900 (CKC CS Ref # E09-000118-FCC-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	ID	#	Non-Conformity or Comment	Submitted Response	Respondent / Date of Response
√	C	1	<p>Receivers associated with the operation of a licensed radio service, e.g., FM broadcast under Part 73 of this chapter, land mobile operation under Part 90, etc., shall bear the following statement in a conspicuous location on the device:</p> <p>This device complies with Part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference. 15.19(a)(1)</p>	<p>Already in FCC label PDF file. See attached file.</p> <p>New FCC label uploaded and complies.</p>	<p>George Gomez 9/1/09</p> <p>C Kendall, 2Sep09</p>
√	C	2	<p>FCC Label on internal photos has a different FCC ID number than the submittal. VMOPPS009900</p>	<p>This is N/A since the FCC ID that is listed is the FCC ID for one of the modules used inside of the device.</p>	<p>Jessina Hunter per Randy Clark 8/27/09</p>
√	TL	3	<p>Page 8 of CKC's test report FC09-104, under the heading of test data states that, "The end user of this product is to exercise proper engineering judgment to select the appropriate antenna to comply with the EIRP limitations set forth by FCC 90.635(b)." However, FCC 90.635(b) limits the ERP and not the EIRP.</p>	<p><i>The report will need to be updated to reflect ERP in the engineer judgment statement rather than EIRP per FCC90.635(b)</i></p> <p><i>I feel that this is an opinion statement rather than something that should be in the report.</i></p> <p><i>Actually part of the statement should not be in there. The statement is in itself wrong</i></p>	<p><i>Alan Sanderson 9/4/09</i></p> <p><i>Joyce Walker Report Department 9/8/09</i></p> <p><i>Randal Clark 9/8/09</i></p>

				<p><i>and erroneous. Please strike...</i></p> <p>The end user of this product is to exercise proper engineering judgment to select the appropriate antenna to comply with the EIRP limitation set forth by FCC 90.635(b) <i>From the report all together.</i></p> <p><i>Report Addendum provided.</i></p>	<p><i>Jessina Hunter</i> <i>9/8/09</i></p>
√	C/TL	4	<p>In CKC's test report FC09-104 the transmitter emission mask used was "I" that is for transmitters that contain a low pass audio filter but no measurements curves have been provided for the low pass filter. 90.210</p>	<p>Per discussion with Randy Clark on 06/17/09 it was decided that Audio freq response measurement is not necessary because the device does not transmit Human generated audio with variable dynamic range.</p> <p>Excerpt from Test Log: Discussion with Randy. Since the device will be using audio input of a transmitter, two question raised: 2.1047(a) Audio Frequency Response and 2.1047(b) Modulation Limiting Response applicable ?</p> <p>Customer claims the device has Audio Low pass filter and NO modulation limiting circuit. Method of modulation is QMSK.</p>	<p>E. Wong 9/8/09</p>

				<p>Randy's conclusion is that since the transmit signal is Digital signal, transmitting via a Audio circuit (old 2400 bps modem transmit of part 90 frequency), the test is not applicable, Reason being the test was intended to monitor the response of audio of different sound quality. Er speech from different people.</p> <p>“9710_Audio_Filtering” file was uploaded -C Kendall 9/7/09</p>	<p>5 Dennis W McCarthy</p> <p>6 9/7/09</p>
√	C	5	Please provide letter requesting confidentiality.	<p>This is N/A since there is not only one confidentiality letter on file but 2. One for Long Term Confidentiality and one for Short Term Confidentiality.</p>	<p>Jessina Hunter 8/27/09</p>
√	C	6	Please provide the dc voltages applied to and dc currents into the several elements of the final radio frequency amplifying device for normal operation over the power range. 2.1033(c)(8)	<p>Pin 1 – Gate Voltage 1 Vgg1. Set to 3.4 VDC.</p> <p>Pin 2 – Gate Voltage 1, Vgg2. Set to 3.7+/- 0.4 Volts during factory test to meet test conditions and bias currents</p> <p>Pin 3 – Drain Voltage, VDD. Nominally 12 Volt +/- 1.8 VDC.</p> <p>Current PIN 3. In the absence of RF, current draw through PIN 3 and drain circuit of amplifier is 650 ma. With RF input present, and amplifier PTT signal set for transmit, and output power</p>	<p>Scott Behan 9/8/09</p>

				30Watts, Current is 8.0 Amps. Please obtain from Cap Wireless Derived from CAP Operation's Manual specifications - 7.5 Amps at 12VDC	George Gomez 9/1/09 C Kendall
√	C	7	Please include statements required by 15.21 regarding changes or modifications to the equipment for the receiver portion of the transceiver.	Already in manual. See page iii, section titled FCC PART 90 AND PART 101 REQUIREMENTS, last sentence. Final version of manual is attached. This manual complies.	George Gomez 9/1/09 C Kendall, 2Sep09

The items indicated above must be submitted before processing can continue on the referenced application. Failure to provide the requested information within 60 days may result in application dismissal pursuant to Section 2.917(c) and forfeiture of the filing fee pursuant to Section 1.1106.

How to read the table:

OK column indicates closure by CKC CS.

ID column is for use with Agents to assist in identifying the probable source for closure.

A - Application issue

TL - Test lab issue

C - Client issue

R - Retesting may be necessary

column indicates unique or separate non-conformity items (note some items may be related).

Non-Conformity or Comment column indicates the evaluators specific question or comment.

Submitted response column indicates the response or a summary of the response provided.

Respondent / Date of Response column indicates the responding party or agent and the date of the response was either received or logged.

