

Elliott TCB
684 W. Maude Ave
Sunnyvale, CA 94085
USA

ECMG

Reference: FCC ID UMUS751433LR4 , Elliott Reference J 65496

With reference to the above mentioned application I have the following questions/comments. Please reply to these comments within 30 days or the application will be put aside. Note that, depending on your response, additional questions may arise.

1. Block diagram should also be of the radio RF circuit. Please provide a block diagram of the Tx radio module only.
2. FCC ID label must not include the FCC DoC logo. Please remove from label. If label is large enough the Part 15 statement in regards to interference must be include and written on the FCC ID label also:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

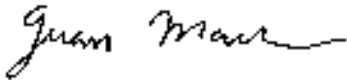
If label is to small as stated in FCC 15.19(a)(5) then statement in manual is acceptable.

3. Per ANSI 63.4-2003 Section 13.1.4.1(c) states that for handheld or body born devices must be tested in three orthogonal axis (3 orientations). Test Report pages 27-31 Fundamental and harmonic emissions does not state if this was performed. Please explain and correct.
4. Test Report pages 27-31 for the Fundamental measurements test data was taken for the Peak and Average. Was a duty cycle used to get the average field strength reading? If so please provide a duty cycle plot or a writing operational description of the duty cycle.

5. Setup photos in Test report pages 25 & 26 of 37 and pages 17 & 18 of 37 do not show the correct configuration for a DoC test setup per ANSI 63.4-2003 section 12.1.2. Please re-take setup photos with a parallel and serial device to satisfy the minimum desktop requirement for the USB receiver. My suggestion is to remove the Rx data and setup photos, for the Rx device. Industry Canada does require this data but FCC does not required Receiver testing data for devices operating below 30 MHz or above 960 MHz.
6. Please explain how the bandedges on page 35 were measured. Was it measured field strength 3 meters from the device? Please not that the restricted bands are closer for the 2.4GHz. Beside the 50-dBc requirements, please provide field strength measurement data showing compliance to the 15.209 limits at 2390 MHz and 2483.5 MHz with a RBW=VBW=1MHz (Peak) and RBW=1MHz, VBW=10Hz (Average)

Please note that the application cannot be completed until all of the above issues have been adequately addressed.

Regards,

A handwritten signature in black ink, appearing to read "Juan Martinez", with a long horizontal flourish extending to the right.

Juan Martinez