

Response to TCB Findings

1. 15.15(b) justification on page 4 of the report states that the EUT was tested at the highest power level. The operational description and the manual specifies this level as 5dBm, but in the fundamental emissions table of the report (page 6), the transmitter power setting is listed as -1dBm. Please clarify.

The early version of the firmware has problems reporting the output power based on the power setting chosen by the user. The important number is hex13. This is the highest setting we could use in the lab and have the EUT still pass. At the time, the firmware reported this as -1dBm. In actuality, hex13 corresponds to -6dBm. The user manual has been updated to reflect this and the firmware has been set to allow an output no higher than hex13.

Please see the associated cover letter stating the software setting that will be used for power control as well as frequency band control.

2. Appendix B of the user's manual shows settings for power levels and channels/frequencies. Do the users have any control on the frequency selection? How will the 865MHz band operation be disabled? Please provide more details on these controls.

As per Ember:

Software tokens set in the EEPROM of the microcontroller allow access to the frequency bands. These are configured prior to shipment to a customer. Software prevents access to the "out of band" channels to the users (customers).

Please see the associated cover letter stating the software setting that will be used for power control as well as frequency band control.

3. Has the EUT antenna position been adjusted (if possible) to maximize emissions?

The antenna was manipulated within its range of motion during the testing.

4. Has the unit been tested in 3 orthogonal planes or does it have only a certain orientation during normal operation? Please clarify.

The device was tested in 3 orthogonal planes during the testing.

5. Please specify the label material.

As per Ember:

- 1) Overlay polyester: Autotex EBG .180mm (UK)
- 2) silver conductive ink: Acheson colloids 725A (USA)
- 3) circuit polyester: South Sea, DSH 255 (HK)
- 4) back adhesive: 3M 467 adhesive
- 5) gold-plated metal dome: Hung Hing (HK)