

Response to TCB Findings

1. An internal photo showing underneath the shielding can on the transmitter board is required. Please supply additional internal photo to address this.

Photo is attached.

2. Has the device complied with -27dBm/MHz undesirable emission limit outside the frequency range of 5.25 - 5.35GHz band ? Please clarify.

Yes. The only spurious emissions that were detected were in the range 30-1000MHz which all met the -27dBm (or 57.8dBuV/m @ 3m) requirement. The band edge readings were taken at 5.15 and 5.35GHz rather than 5.25 and 5.35GHz due to 15.407(b)(2) defining the low edge at 5.15GHz. Both of these readings meet the -27dBm (or 77.8dBuV/m @ 1m) requirement.

3. In the frequency stability test data the highest and lowest channel frequencies appear to be outside of the specified/tested highest and lowest channel frequencies. Please clarify.

For the purposes of doing the stability test, the frequency was recorded using the lower -6dB point for the lower channel and the upper -6dB point for the upper channel. This is the only way to reliably record the movement of a 17MHz wide signal. For power output testing the actual channel center frequency was recorded since that is how the product specifies that channel. The product was set to the same channels for both tests and operated identically during both tests.

4. Please describe how the device complies with the requirements of 15.407(c).

Please see revised operational description.

5. The antenna specification sheet lists the gain as 23dBi (min). Please specify the typical/nominal gain for this antenna. Also the measured antenna gain is 4.3dB higher than the specified gain. Please justify this difference.

As per YDI, nominal antenna gain is "23dBi"

Our measurement uncertainty with 95% confidence (k=2) is 5.4dB for this test.