Response to TCB findings

Hi Jim,

We have identified these issues following our review:

1. Please confirm that the loop measurement antenna was rotated about it's base to maximize emissions pickup.

Response - Loop measurements of the low frequency transmitters are made at 3 meters in the chamber (< 30 MHz) to gather a 'signature' of the transmitter fundamental and low frequency spurs. Measurements above 30 MHz are also performed, and compared to the Part 15 limits described at 3 meters. The fundamental (and any spurious signals seen below 30 MHz, that are significant) are then re-measured on the 10 meter site, at either 10 or 30 meters, with the loop. It is positioned for optimum coupling to the loop radiator of the transmitter. We do vary the loop position +/- 90 degrees in azimuth, and zenith (lay the loop flat) to check coupling. While in the chamber, the product is also rotated on the turntable. Maximum coupling is determined, and followed out on the 10 meter site.

2. Please clarify the label details as the photo and label exhibits show different label formats. Were will the 15.19(a)(3) statement be?

Comment void.

3. Please supply details of the label material and adhesive.

Response - Details supplied. See label exhibit.

4. Please supply data to show compliance with 15.31(e). From the information supplied the device can be powered from a 8-16 VDC source.

Response - While positioned in the 3 meter chamber, the fundamental radiated field strength was monitored with the loop antenna while the DC supply was varied over the following voltage points.

7.0 VDC (85% of 8 volts; minimum)	62.5 dBuV/m
12.0 VDC (nominal)	62.5 dBuV/m
18.4 VDC (115% of 16 volts, maximum)	62.5 dBuV/m

This test was performed with the loop and the transmitter was oriented for maximum radiated field strength at 13.56 MHz, with Quasi-peak readings of the signal. Test performed on January 30, upon the same sample as tested and reported in the earlier test report.

For future submissions please can you supply the photos in PDF format split in to external, internal and test setup files. We prefer not have each photo as a separate file. Thanks.

Best regards

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