

Response to TCB findings 2

Hi Donna,

All issues have been resolved with the exception of issue 2. There appears to be a problem with graph 6. The fundamental is significantly lower than result on page 9 of the grant. I have attached the FCC procedure for band edge measurements.

Response - The fundamental measurement result on page 9 was correct 96.1 dBmV/m @ 3m test distance. Refer to graph 5, complete frequency range 0.009 - 30 MHz with normal bandwidths used.

The limits used for graph 5 were not corrected (and the product passed by a margin of 3.9 dB). An extrapolation factor of 20 dB/decade was used instead of 40 dB/decade. Refer to attachment (graph 5 amended limits) with the corrected limits as per section 15.31(f)(2). An extrapolation factor of 40 dB/decade was used (by using the square of an inverse linear distance extrapolation factor). The replacement graph also lists two out-of-band emissions (one on each side of the fundamental) as well as the fundamental. Both out-of-band emissions were measured and found to be under the limits. The reason these out-of-band emissions were not originally listed on the graph was that they were over the (20 dB/decade) limits.

Graph 6 was the zoom in around the fundamental frequency. The fundamental level appeared lower as the resolution bandwidth was reduced. This graph also had uncorrected limits. The reason that we supplied graph 6 was to show the out of band emissions around the fundamental not exceeding the limits. This graph is now not necessary as the out of band emissions (one on each side of the fundamental) were under the limits (refer to replacement graph -attachment graph 5 amended limits).

I hope this information is sufficient. Please do not hesitate me if you require any further information.

Barry