

E06-000190-1

Please supply evidence of compliance to 15.31(e), "(e) For intentional radiators, measurements of the variation of the input power or the radiated signal level of the fundamental frequency component of the emission, as appropriate, shall be performed with the supply voltage varied between 85% and 115% of the nominal rated supply voltage. For battery operated equipment, the equipment tests shall be performed using a new battery."

FCC 15.31(e)

Data was gathered for test distance extrapolation in accordance with 15.31(f). A linear regression algorithm was used to calculate the expected field strength readings based on measurements at 20, 25 and 30 meters. A graph is provided demonstrating compliance to the applicable limits. Linear regression data is also provided for reference.

|                            | <b>Linear Distance</b> | <b>Corrected Reading</b>  | <b>Result</b> |
|----------------------------|------------------------|---------------------------|---------------|
| <b>FCC 15.209</b>          | 300.00                 | 25.20 dB $\mu$ V          | Limit         |
| <b>Extrapolated Result</b> | 300.00                 | 23.00 dB $\mu$ V          | PASS          |
| <b>Extrapolated Result</b> | 300.00                 | 22.00 dB $\mu$ V (Note 1) | PASS          |
| <b>Extrapolated Result</b> | 300.00                 | 24.00 dB $\mu$ V (Note 2) | PASS          |

Note 1 DC input = 23.8V (-15%)

Note 2 DC input = 32.2V (+15%)