

Addendum to Northwest EMC Test Report # BSTN0405.1 Rev 1

Per 95.639(f)(1) the maximum permissible EIRP is 25 uW. Per 95.627(g)(3), compliance may be determined with a field strength measurement. The FCC conversion formula that equates the 25 uW EIRP limit to the 18.2 mV/m limit at 3 meters uses the Friis transmission equation modified with a 6 dB contribution due to ground plane reflection. Applying that equation:  $EIRP = ((V/m/2)^2 * 3)^{2/3}$ , the maximum reported field strength of the fundamental emission is 58.2 dBuV/m at 3 meters, which equals 0.000000496 W (EIRP) or 0.0496 uW (EIRP).

The field strength of the fundamental measurements are found in NWEMC Test Report # BSTN0405.1 Rev 1, pages 12 – 14 of 63.

**Approved By:**



7/9/13

Tim O'Shea, Operations Manager