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Daniel E. Crowder
Elite Electronic Engineering Inc.
1516 Centre Circle
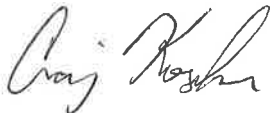Downers Grove, IL  60515-1082


Dear Mr. Crowder:

Elite Electronics Engineering performed a series of tests on the ULXD1 (FCC ID: DD4ULXD1X52 and IC Certificate: 616A-ULXD1X52) and ULXD2 (FCC ID: DD4ULXD2X52 and IC Certificate: 616A-ULXD2X52) transmitters to determine compliance with the requirements of Federal Communications Commission (FCC) Part 15C and Industry Canada (IC) RSS-210.  The results of those tests are published in four reports, 1402869-01, 1402869-02, 1402869-03 and 1402869-04.  RF Exposure Lab performed a series of tests on the ULXD1 for SAR evaluation and results of those tests are published in report SAR.20140905.

Upon review, it was discovered that maximum RF output power values in the Elite Electronics Engineering reports differ from the RF output power values reported in the SAR evaluation and published in the user guides.  Elite Electronics Engineering reported maximum RF output power values of 45.4mW (16.58dBm) for the ULXD1 and 50.0mW (17.0 dBm) for the ULXD2.  The SAR report shows RF output power value of 20 mW (13.01 dBm) for the ULXD1.   Additionally, Shure Incorporated user guides for the ULXD1 and ULXD2 indicated RF output power of 20 mW (13 dBm).

Shure has determined that the discrepancies in RF output power values are caused by the type of detector utilized during measurement.  The RF output power values in Elite Electronics Engineering reports were measured using peak detectors.  Whereas, in the SAR evaluation report and Shure's user guide, RF output power values are from an average detector.

To clarify the reason for the discrepancies, Shure will revise the user guide for the ULXD1 and ULXD2 to indicate that the X52 band RF output power values are from an average detector.  Thank you for your assistance.


Sincerely,

Craig Kozokar
EMC Project Engineer, Global Compliance
Shure Incorporated
Copy to: