Response to TCB Findings

Conducted power in SAR report should be greater than or equal to what's in EMC report, but not exceeding tune-up/tolerance. The EMC sample was able to provide 200mW power, while SAR sample provided 173mW. Please clarify.

Response - In regards to the 0.7 dB power measurement difference between the two laboratories, we have compiled a description of how the tests were administered at each lab, and maintain that the variation is within the expected tolerances in measurements.

The following items are presented for consideration:

a) The same sample was tested at both laboratories.
b) The power level settings, on the sample, were not altered in any way.
c) The power level was measured in two ways, it was measured on a power meter at PC Test Labs, and it was measured on a spectrum analyzer at L.S. Compliance.
d) The connection to the EUT was similar, as a BNC pig-tail was soldered on the EUT at PC Test Labs, and an SMA pig-tail was soldered on at L.S. Compliance.
e) The pig-tail cable loss was entered on the instruments as adjustments and was included in the measurement.
f) Test equipment used in both laboratories are calibrated.

The items above demonstrate that proper procedure was followed.
The 0.7 dB differences in the published results may be caused by using a power meter versus a spectrum analyzer, combined with the use of two different types of pig-tails, the characterization of which is difficult at best, and may introduce tolerances exceeding 0.5 dB in soldering iterations.

Please supply manufacturer's dipole calibration data used during SAR test system validation.

The certification is attached. Please note that we use IEEE 1528 targets for validation.

Has liquid dielectric parameters been verified at 915MHz test frequency? They appear to be the same values used for validation and probe calibration at 835MHz. Please clarify.

The test frequency and the validation frequency are within the 100 MHz range allowed by the FCC.

Please provide more information on "Area" and "Zoom" scan procedures and "Peak" and "1g-SAR" measurements.

The Scan description is attached.