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FCC ID: EJE-WB0008
Date: 14th July 2004 **EMC Reference: M040631**

Subject: Response to TCB Queries

Q1. *The FCC ID listed in the SAR report (EJE-WL0008) is different from the rest of the application. Please clarify.*

This is a typographical error and should read EJE-WB0008. See updated report.

Q2 *The "Turbo" mode mentioned for 802.11g on Table 2 of the SAR Report has not been addressed in the EMC report or the SAR report itself. Please clarify.*

There is no TURBO mode for Calexico2 WLAN. See updated report.

Q3. *In section 2.2.1, the battery model is not listed and in Appendix A3, two battery pictures are shown. Were they both used during SAR testing?*

See attached report. Both batteries (identical types) were used in the testing.

Q4 *For conducted peak power measurements at the antenna terminal, please specify the Coax Cable loss (dB). This is needed to make a comparison of the adjusted reading with the EMC report.*

The cable loss was mentioned in the EMC test report.

Q5. *Please specify the probe tip diameter.*

The probe tip diameter is 6.8mm.

Q6. *The probe calibration sheet should also address isotropy error, linearity, frequency response, dynamic range etc. Please supply additional calibration data.*

See below:

ET3DV6 / ET3DV6R ISOTROPIC E-FIELD PROBE FOR DOSIMETRIC MEASUREMENTS

Construction	Symmetrical design with triangular core Built-in optical fiber for surface detection system (ET3DV6 only) Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., DGBE)
Calibration	Basic Broad Band Calibration in air: 10-3000 MHz Conversion Factors (CF) for HSL 900 and HSL 1800 Additional CF for other liquids and frequencies upon request
Frequency	10 MHz to 3 GHz; Linearity: ± 0.2 dB (30 MHz to 3 GHz)
Directivity	± 0.2 dB in HSL (rotation around probe axis) ± 0.4 dB in HSL (rotation normal to probe axis)
Dynamic Range	5 µW/g to > 100 mW/g; Linearity: ± 0.2 dB
Optical Surface Detection	± 0.2 mm repeatability in air and clear liquids over diffuse reflecting surfaces (ET3DV6 only)
Dimensions	Overall length: 330 mm (Tip: 16 mm) Tip diameter: 6.8 mm (Body: 12 mm) Distance from probe tip to dipole centers: 2.7 mm
Application	General dosimetric measurements up to 2.5GHz Compliance tests of mobile phones Fast automatic scanning in arbitrary phantoms

Q7 *On Table 21 of the report the antenna listed is called as "B". Is this the same "Main" antenna listed for others? Please clarify.*

See Revised report. Antenna Main is the used for the WLAN module.

Q8 *Please provide a justification for the difference noted between the 1g-SAR values on Plots 1 & 8. Why is there a major difference between 802.11g and b 1g-SAR values for the same test position?*

The average (source based) power of the Calexico module in OFDM mode is much lower than the average power of the Calexico module in DSSS mode this is the reason for the difference.