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Subject: Response to FCC Queries

Q1. *Please specify the probe tip diameter of the SAR measurement system. Has this been addressed somewhere in the report?*

The diameter of our probe tip is 7mm for the SN1380, this was not addressed in the SAR reports.

Q2. *On page 10 of the test report the target dielectric parameters of the brain simulating liquid are listed as 39.8 and 1.88. Supplement C lists these values as 39.2 and 1.80. Please clarify this difference.*

The dielectric parameters of the SAR liquid were referenced from page 36 of OET Bulletin 65C under the table listed "TYPICAL COMPOSITION OF INGREDIENTS FOR LIQUID TISSUE PHANTOMS". This was simply an interpretation error and the oversight did not have any influence on the SAR results. The validations performed on each day were within the required 10% tolerance and the brain liquid was within 5% tolerance of the required dielectric parameters on the 1st and 5th to 7th August. On the 4th of August the liquid parameters were within 6%.

The higher conductivity tends to overestimate the SAR validation result as shown by the deviation from IEEE reference values listed in table 3 of the SAR reports. The dielectric properties of the body liquid (used in all laptop configurations) were within the required 5% tolerance on all test days.

Q3. *Are there 2 antennas on the top of the LCD screen? (One on the left and another on the right). If this is the case, does the SAR data presented represent the worst readings? Please clarify this as well.*

Yes there are two antennas located on top of the LCD screen (one on the left and one on the right). One of these antennas is receive only and does not have any impact on the measured SAR levels. The pre-scans performed in each position define the location of the SAR hot spots and the corresponding locations of the transmitting antenna. The SAR levels measured are conservative and represent the worst-case scenario.