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Subject: Response to ATCB Queries

Item 1:
The difference between the ST5010 and ST5011 is the LCD screen size. Please see attached document for details.

Item 2:
See file attached - Test Sample internal photos

Item 3:
The computer shown for the OATS radiated emissions is identical to that shown for Conducted test set-up. This tablet PC is mounted on a docking station which can be oriented in Portrait OR Landscape positions. The conducted set-up is shown in Landscape orientation and the Radiated set-up is shown in Portrait orientation. Both Antenna polarities were tested and the orientation makes no change to the results.

Item 4:
Please refer to attached revised test report for results with higher resolution bandwidth & Appendix A for Measurement Instrumentation details. Please replace the original report with the attached.

Item 5:
As per page 11 of the test report: The out of Band emissions at the Bandedge of 2400 MHz was 36.7 dBuV/m @ 3m when the EUT was operating at its lowest channel (2412 MHz) with 1 MHz resolution bandwidth. The peak output power (using RF conducted test setup) of 102mW was performed with the RBW = 10MHz. The Bandedge plots (using RF conducted test setup) with 100 kHz RBW show that any emissions outside the operating band that were produced by the intentional radiator were at least 20 dB below the fundamental level.

Item 5a:
The power ratings in SAR report are measured with an average power meter (average power in dBm). The peak output power results in the EMC report are measured using a spectrum analyser. The results take into consideration the antenna gain and the cable loss.

Item 6:
This was an oversight in the report please see updated report (SAR report part 1 of 6).

Item 7:

- The Z-axis graphs in the SAR report are shown in dB rather than mW/g this is why the relationship is linear.

- The Z-axis graphs shown in this report are all referenced to the maximum SAR level as listed in the corresponding plots. The measurement graphs show the Z-axis graphs up to the 0dB maximum SAR level only. For the tests performed on the laptops, the maximum SAR level was not measured at the lowest probe measuring point. This is why the Z-axis plots do not the expected decay and lower measurement points.

The validation Z-axis scans show a more expected z-axis decay from the 0dB maximum SAR value.

Item 8:

The manual is common to other countries. The operational frequency range for the USA is shown in section 2.3 of the test report as 2412 to 2462 MHz, and the manufacturer confirmed in this response.