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Industry Canada Approvals
Notified Body for Europe

4/3/2013

Please find below the clarifications to revisions in this filing.

2.   The revised 3/26 SAR report should have also updated its revision history.
<Sporton>
Please kindly check the revised SAR report, we make is Rev.02. In page3 with the description "Correction at page 9: footnote(1) removed from column "Edge 3", and footnote(2) added to column "Edge 2""

3.   The modulation scheme 8PSK is used for EDGE test mode according to the description on Page 9 of the EMC test report. If so, please clarify whether the PAR (Peak-to-Average Ratio) for 8PSK is only 0.39 dB as reported on Page 15 of the report.
<Sporton>
Please kindly check the revised PCB report, we make is Rev.02. In page3 with the description "PCS band GMSK/8PSK PAR verified and updated in section 3.2, page 14 to page 19" . 8PSK PAR is reported around 3dB in the updated report.

The reason to have 6 pages update is because we update the description of test procedure, and also re-test GMSK as well.

6.   However, despite Section 3 of the Power Reduction Description is well written in general, the sensor flowchart raised another question. According to the flowchart, power reduction can be triggered by any of the three (proximity, gravity, orientation) and can only return to full power when ALL three detectors show an "off" state, at a frequency of every 400 ms. If the display orientation is triggered by the gravity sensor, according to KDB 705190, why are the gravity sensor and the display orientation two separate decision mechanism? Is the gravity sensor shown in the flowchart really unnecessary (or the two should be combined)? Please clarify.
<Sporton>
We verified in the procedures below:
1.   Display orientation switched to non power reduction orientation
2.   Turn off the display
3.   Tilt the device at the angle that g-sensor will trigger the orientation (normally, we would think that EUT is approaching human belly/thigh)
4.   Ensure no proximity sensor is triggered
5.   Check the RF power level, and the measurement result shows it's in reduced power mode
In this way, we think the flow chart is correct to reflect the design

There is much less chance of "orientation in another mode -> display off -> user rotate the device and put the device near belly/thigh -> p-sensor is still not triggered via bottom face proximity sensing ->listening music?", but if it happens, this device will trigger power reduction mode.

Sincerely,

Timco Engineering, Inc.