

From: David Schramm Intertek
Sent: Monday, January 21, 2008 1:05 PM
To: Roland Gubisch Intertek
Cc: Terre Wolak Intertek
Subject: RE: Technical review of Hitachi FCC ID: HDLUSA-60750-KE-E PC2 application

Attachments: 3131114ATL-017 (rev1).pdf; Hitachi AMP 850 Form 731.pdf
Roland,

Please see below.

Best regards,
David

From: Roland Gubisch Intertek
Sent: Friday, January 18, 2008 11:00 AM
To: David Schramm Intertek
Cc: Terre Wolak Intertek
Subject: Technical review of Hitachi FCC ID: HDLUSA-60750-KE-E PC2 application
Importance: High

David,

Review of this application is complete and the following points are noted:

1. PC2 Grant specifications add one modulation not on original Grant: two F9W emissions, CDMA and WCDMA. One F9W appears on original Grant, is this acceptable?

A: One F9W should be acceptable. Also, F1D for TDMA should be included as well. The Form 731 has been updated to include only the new modulation schemes.

2. Test report references exercising EUT at 290 W, clause 5 conducted power shows 150 W, and conducted spurious tests appear to be done with 146 W (2 tones x 73 W), and Grant indicated 190 W. Please resolve this ambiguity.

A: The report was incorrect in referencing 290 W. Another model that was tested at the same time operated at 290 W and was confused with this project. The correct power level is 190 Watts. The 190 Watt level comes from the specification of the direct output of the amplifier. The 150 Watt level comes from the output of the system after the duplexer. Both the test reports and the Form 731 have been corrected. As for the two 73 Watt tones, the difference between 150 Watts and 146 Watts is 0.1 dB.

3. High channel CDMA bandwidth plot on p. 29 of test report shows out-of-band emissions above -13 dBm limit. Spurious conducted emission plot of same channel and modulation on p. 50 shows compliance with -13 dBm limit. Please explain.

A: On page 29, the focus was on the occupied bandwidth and the VBW setting was 30 kHz (the -13 dBm limit is not appropriate for this measurement). On page 50, the 1 MHz span adjacent to the band edge was taken with a VBW of 300Hz to approximate an average reading.

4. Highest measured emissions should be 10X fundamental or ~ 9 GHz. Plots extend only to 4.5 GHz. Please comment. Information on pp. 33 and 55 make reference to PCS and PCS frequencies, this is not PCS report. Please explain/correct.

A: There were no emissions detected above 4.5 GHz. Manual scans were performed to 10 GHz. The incorrect data tables were placed in the report. This has been resolved - please refer to the attached test report.

Certification can proceed when these issues are addressed.

Thank you,
Roland

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