

FCC ID: ALH460300

IC ID: ----

CT Project: TCB-p1380001

From: Chris Harvey

Date: September 13, 2013

1. FCCID in Internal Photo and the photo of Label exhibit are not correct. Please correct those exhibits regarding FCCID. Also, please be sure that the Internal and External Photos are correct for this device.

CT – Corrected Internal Photos & Label have been provided.

2. At page 8 of Test report, no graphs were provided for the carrier power measurement. Please include the screen shots from the spectrum analyzer for each tuned channel so that it is possible to verify the instrument settings.

CT – There is no requirement for plots to be included for carrier power measurement. We report this measurement in tabular form.

Note: Output power plots are included as a reference for Emission Masks in emission masks section beginning on page 16 of the Test Report

3. In Conducted Spurious Emissions, please provide the particular FCC Rule part/parts that was/were utilized to identify the “Specification Limit” for the conducted spurious emission testing.

CT – The Test Report has been corrected and the Rule part/parts have been included on the Test Result Summary on page 7

4. In Field Strength of Spurious Emission, no part/parts was/were indicated how to come up the Limit (-13dBm). Please provide the rule part/parts for the Limit calculation.

CT – The Test Report has been corrected and the Rule part/parts have been included on the Test Result Summary on page 7

5. At page 20 for “Transient Frequency Behavior, the measurement procedure paragraph indicated that the 20 dB attenuator, but the diagram at the same page is showing 30 dB Attenuator. Please verify or correct as necessary.

CT – Test Report has been corrected.

6. At page 26 for Necessary Bandwidth Calculations”, please provide the sources of M and D values for the calculation. The plots of deviation seem to show a peak of 2.2 kHz.

CT – The plots resemble the deviation under specific criteria. The values used in the calculations are maximum values either provided by the manufacturer or standard to the type of modulation.

7. For Audio Low Pass Filter, Audio Frequency Response, and Modulation Limiting testing sections from the test report, no specific channel information was provided. The EUT Setup section of the report does not provide guidance as to how the EUT was setup.

CT – On page 6 TIA 603C is referenced and followed for all applicable tests.



8. I was able to find max conducted power (tolerance) of 31.74 in SAR testing report. BTW, I have found the value of $1.5+0.1W=1.6W=32dBm$ at page 3 of the tuning process exhibit. It appears that the Power Tolerance was not taken into consideration in the SAR report for scaling. The SAR report tables do list 'adjusted' SAR, but does not explain what the 'adjustment' is.

RF Exposure – SAR report has been revised with a note added to each page on how the adjusted SAR was calculated.

Response by: Alex Macon & RF Exposure (SAR Lab)

Submitted by: Amanda Reed

Date: 9/17/2013