Compliance Testing, LLC
Previously Flom Test Lab

CB-7.2.1 – Technical Review RT Form

FCC ID: Q8KCELLPCS2W80N
IC ID: 4901A-CELLPCS2W80N
CT Project: P1510014

From: Shawn McMillen

Date: 3/9/15

1--The following note is in the user's manual however this rule part does not apply to this product.

The Federal Communications Commission (FCC) has tested this product and found it to comply with their RF Exposure Requirements, pursuant to FCC Part 27.

G-Wave –Removed.

2--The RF exposure information provided in the user's manual is incorrect. For fixed installations the separation distance cannot be less that 20cm. Also the separation distances in the user's manual are not consistent with the MPE calculations for distances.

G-Wave -3/24/15 – Revised Manual provided.

3--The block diagram provided is illegible when zoomed in for a finer detail.

G-Wave – 3/11/15 – Fixed.

4--Please note that licensed devices should be placed at 1m above the ground plane for radiated emissions. The test setup photos show a distance greater than 1m.

GC – 3/11/15 - The wrong test photo was selected. The correct test set-up photos have been provided.

5--On page 69 of the EMC report there is a plot that does not contain any information. 824-849 MHz Band Input.

GC – the plot has been corrected.

6--On page 100 and 101 there are two plots which are identical. I believe the intermodulation plot for the downlink mid band is missing or has the wrong information.

GC – 3/11/15 –Plot has been corrected. Data for the midband was recorded and left out of test report in error.

7--Please provide justification why the power levels of the two WCDMA signals for the intermodulation test are 3dB apart in amplitude. See the plot on the bottom of page 104 in the EMC report. Also the following plot to that one appears to have the levels set differently as well.

GC – 3/11/15 - The input powers were set to be even in amplitude. The gain changes approximately 3 dB at the frequencies tested, accounting for most of the difference in the amplitude of the 2 signals.

8--The output rating in the user's manual is inconsistent with the test report provided.

GC – 3/11/15 –G-wave to address

9--The test setup photo for the IC portion of the this application contains an EUT that is inconsistent with the filing. Also note that there are no radiation emission tests required for RSS-131 yet there is a radiated test setup photo provided. At minimum a conducted test setup photo should be provided.

GC –3/11/15 – The radiated photos have been removed from the filing folder.
Diana – Please remove the 2 radiated emissions test set-up photos document

10--Please note that two RSS-131 test reports have been provided with this application.

DW: 3/10/15 - Removed obsolete one.

11-- cannot locate the IC representative letter.

DW: 3/10/15 - Located and put in folder.

12--Please note that the RF evaluation provided for RSS-102 should be for general public not controlled occupational.

GC – 3/11/15 - RSS-102 has been corrected to show compliance to general public (uncontrolled environment) limits.
Diana – The RSS-102 report is now Rev 4

Note: The FCC 1.1310 RF Exposure report has been revised to Rev 4.

CT -

Response by: Greg Corbin

Submitted by:

Date: