

FCC ID: ALH442000

IC ID: 282D-442000

CT Project: 1460001

From: Shawn McMillen

Date: 06/23/2014

Curious as to why only the two worst case scans were provided in the SAR report for head and body conditions.

CT - The FCC and IC require only the highest SAR value plot for each exposure configuration (Head or body, modulation, frequency band). The NX-5400-K2 has only two exposure configurations: 1) Head, FM, 800 MHz and 2) Body, FM, 800 MHz. These are the two plots that I have included in the report.

This is justified in KDB 865664 D02 page 5, section 2.3 paragraph 8.

This is a composite filing. Please indicate where the test report, documentation, information etc can be located for the Bluetooth.

CT - The Test Report was accidentally left out of the upload and will be provided.

The radiated test setup photos for part 90 show the EUT with an antenna installed however the block diagram in the EMC report demonstrates a load was used. Please indicate if a load was used per TIA-603.

CT - The test was performed using the manufacturer supplied antenna as it is impedance matched with the device, it is the worst case measurement and still remains compliant.

Is the 6.25kHz channel spacing exempt from audio and filter response measurements?

CT - This radio is digitally filtered, therefore it's modulation curves are almost identical regardless of the emissions which is evident by the modulation tests already performed within the report.

Response by: Compliance Testing LLC

Submitted by: CTL

Date: 6/26/14