

This grant is being audited due to the below considerations. The TCB should work with the testing laboratory and applicant to ensure that all items mentioned are clarified or appended as needed. Please provide an itemized response describing the resolution to each item below.

1) Results Summary Tables found in TUV Body (and held-to-face) SAR exhibit are not consistent with tabulation guidance provided in KDB Publication 643646 D01Appendix.

A revised SAR test report is provided which addresses this item on pages 10 -11.

2) Section 1.5.2 of TUV Body (and held-to-face) SAR Report states that phantom thickness is 6mm. KDB Publications 643646 D01 and 865664 D01 dictate a shell thickness of 2mm +/- 2mm.

The revised SAR report provides new test results using a phantom with a sidewall thickness of 2.0 mm as described on page 20.

3) The grant notes do not include the EF designator required for devices which span across different bands.

Grant notes amended.

4) The TETRA waiver in the grant note was obsoleted due to ET Docket 11-63 being inclusive of 11-69, which was adopted on April 18, 2011. Please update accordingly.

Grant notes updated.

5) Form 731 Radiated Output Power lists a value of 1.86W (32.70dBm). Section 4.1 of the EMC test report indicates a peak output power of 3.55W (35.5dBm). Consistent with 2.1046 and 90.213, the value reported should be peak power output. Please update as necessary.

Grant output power amended accordingly.

6) Section 4.1 of the EMC test report indicates that the limits found in 90.209(b)(5) were used to show compliance with 2.1046 and 90.205(h). However, 90.209(b)(5) relates to bandwidth limitations not to conducted antenna output power. Please revise the report to comply with the appropriate rule parts.

EMC test report has been revised on page 23 to show the correct rule part.

7) Consistent with 2.1046(a) and 2.1033(c)(8), the DC voltages applied to and dc currents into the several elements of the final radio frequency amplifying device for normal operation over the power range are not shown within the EMC test report. Per 2.1033(a), if such items are not applicable, they shall be noted as such (inclusive of all requirements under 2.1033(c)).

A statement has been added to page 6 indicating that the DC voltages and currents are not variable.

8) Section 4 of the EMC test report does not specifically reference 2.1047. This requirement and the associated curve or equivalent data which shows that the equipment will meet the modulation requirements of the rules under which the equipment is to be licensed must be properly identified within the Test Result section.

A statement regarding the modulation characteristics (2.1047) has been added to page 6 of the EMC report.

9) Section 4.2 is titled "Conducted Antenna Occupied Bandwidth" and references 90.210 and 90.221(d). However, occupied bandwidth is prescribed under 2.1049 and 90.209(b)(5). Please clarify.

EMC report page 24 has been amended to show the correct rule part.

10) Section 4.9 of the Test Report indicates spurious emissions testing were performed pursuant to 90.213. However, 90.213 only pertains to frequency stability, whereas spurious emissions are required under 2.1051. This is reinforced under the "Emission Test Results" section of the EMC Test Report. Please clarify.

EMC report page 31 has been amended to show the correct rule part.

11) Section 4.6 of the EMC Test Report identifies Frequency Stability as tested according to 90.205. However, frequency stability is governed under 2.1055 and 90.213. Please clarify

EMC report page 28 has been amended to show the correct rule part.

12) Section 4.7 indicates results for Antenna Adjacent Channel Power tested according to 90.213. However, 90.213 dictates frequency stability. Adjacent Channel Power is defined under 90.221. Please clarify.

EMC report page 29 has been amended to show the correct rule part.

13) Section 4.9 identifies a limit of -13 dBm. Consistent with 2.1046, all calculations used by the applicant shall be shown. The power level used should be the maximum output power as previously defined.

The calculation has been added to page 31 of the EMC report.

14) Results related to Emission Mask requirements, outlined in 90.210, are not clearly identified within the submitted plots.

Pages 45 to 47 of the EMC report have a note added to the titles to explicitly state that this is an alternative to the Masks of 90.210.

Pages 51 to 68 of the EMC report have a note added to the titles to explicitly state that the Mask of 90.221(d) is applied.

A note has also been added to comments that 90.221(d) is an alternative to the masks of 90.210.