

Checklist for PAG Review _ UN5GHZ

1. Antennas

1.1 Information for all the antennas, i.e., type, gain and relative positions within host, must be included in the filing

Response: Please kindly review the “AP-503_Antenna Test Report” file, all the information is included.

1.2 Show how the (aggregate, if applicable) antenna gain was computed/measured (as in TCB Workshop Presentation Aggregate Antenna Gain Review, April 2021). Provide equation(s) used to calculate Directional Gain and provide example calculation showing how the DG was calculated with the antenna gain of individual antennas. Provide details (references or attached documents) on how the individual antenna gains were derived, i.e., declared by the host manufacturer, based on data sheet, or measured. Since the CBP needs to detect a small signal, the worst case scenario to consider is when the receiver has the lowest antenna gain.

Response: The equation refers to page 4 and 5 of AP-503_Antenna Test Report, all the information is included. CBP is not applicable for this project.

1.3 Indoor devices shall have an integrated antenna.

Response: Yes, this device is indoor use and use an integrated antenna, please refer to EUT internal photo.

2. Labelling

2.1 Label showing “Indoor Use Only” for Subordinate and APs.

Response: Yes, please refer to label document.

2.2 E-labelling may be acceptable if proper justification is provided.

Response: No use E-labelling, not applicable.

3. Band Edge Measurements

3.1 Band Edge measurements made below 5725 MHz are to be made with a Peak detector.

Response: Yes, peak detector was used, please refer to test data on page 85~108 of “2212RSU034-U3-FCC NII Test Report”.

3.2 Band Edge measurements above 5895 MHz are to be made with an RMS detector.

Response: Peak detector was used due to peak emission was 20dB lower than the limit, so RMS detector wasn't used again, please refer to test data on page 85~108 of “2212RSU034-U3-FCC NII Test Report”.

3.3 Band Edge measurements above 5895 MHz should also include Peak plots to show compliance with 15.35(b) where the peak emissions must be limited to no more than 20 dB above the average limit.

Response: Yes, test data complies this requirement “the peak emissions must be limited to no

more than 20 dB above the average limit”, please refer to test data on page 85~108 of “2212RSU034-U3-FCC NII Test Report”.

4. Declaration Requirements The application should contain a declaration letter which satisfies the declaration requirements from Section 3. of KDB 291074 D02.

Response: Yes, the declaration letter was submitted, “AP-503_FCC 5.9GHz Declaration”.

5. Indoor Device Limitations

5.1 Indoor Access Points and Subordinate Devices cannot use weatherized enclosure.

Response: Yes, this device was designed for indoor use and didn’t use weatherized enclosure, all documents including user manual and label that show indoor use information.

5.2 May not be battery powered. Power must be provided from a wired permanent indoor local power connection. Automatic battery back operation is permitted during power loss.

Response: Not use battery, please refer to EUT photo, and this device is powered by external power supply.

6. Modular Certifications (when applicable)

6.1 Modular approval letter to be uploaded with the application.

Response: Not applicable.

6.2 No subordinate devices can be modules.

Response: Not applicable.

6.3 Show notification for the host manufacturer about referencing KDB Publication 996369 D04 Module Integration Guide

Response: Not applicable.

7. Security Provide specific exhibit with device security description is required (complying with 47 CFR § 15.407(i).

Response: Please refer to “AP-503_FCC SDR Security Description”.

8. Spurious Emissions Show that measurements are made at the prescribed antenna heights, per KDB Publication 291074 D02, including measurements along all three axes, as per ANSI C63.10.

Response: Test items refer to section 6.7 and 6.8 of report “2212RSU034-U3”.

Test result refer to Annex A.7 and A.8 of report “2212RSU034-U3”.

All the test is performed according the KDB 291074 D02 and ANSI C63.10 requirements.

For spurious emission test, every axis (X, Y, Z) was also verified. The test results shown in the report represent the worst-case emissions. This information is noted on page 16 of “2208RSU013-U1”.

9. Hearing Aid Compatibility (when applicable) 4.1 Confirm that VoLTE cannot be transported over 5G NR sub 6 GHz. If so, must state that in the OTT declaration of pre-install of OTT voice service and test report. 4.2 Manufacture must provide an attestation (cover letter) confirming that the results using ABM1 values obtained from VoLTE connections over LTE bands and ABM2 values for 5G NR sub 6 GHz connections over the same bands provide a reasonable representation of the

HAC rating over the 5G NR sub 6 GHz connections.

Response: Not applicable.