| Item | Source |
|---|---|
| 1 Antennas | |
| 1.1 Information for all the antennas | Page 10 of report LGT22J013RF17_FCC_5G_Part 15.407 6G WIFI_1 |
| 1.2 Show how the (aggregate, if applicable) antenna gain was computed/measured (as in TCB Workshop Presentation Aggregate Antenna Gain Review, April 2021) | WIFI6E ANTENNA spec |
| 1.3 For conducted test in MIMO cases, show that the testing was done for that path that has the lowest antenna gain. | Report LGT22J013RF17 |
| 2 Contention Based Protocol (CBP) | |
| 2.1 CBP testing shall be performed on one channel in each sub-band of operation for both narrowest and widest bandwidths | Page 26-35 of report LGT22J013RF17_FCC_5G_Part 15.407 6G WIFI_9 |
| 2.2 Use three separate 10 MHz AWGN signals when testing a 160 MHz channel. The simulated incumbent signal must be a 10 MHz wide AWGN signal | Page 26-35 of report LGT22J013RF17_FCC_5G_Part 15.407 6G WIFI_9 |
| 2.3 Report lowest AWGN signal detectable by EUT | Page 13 of report LGT22J013RF17_FCC_5G_Part 15.407 6G WIFI_9 |
| 2.4 Verify that the testing was performed with the AWGN signal set to lowest level (for example, -100 dBm) and increased until the EUT detects and stops transmitting.<br>For instance a table like the following (or similar) shall be reported: | Page 26-35 of report LGT22J013RF17_FCC_5G_Part 15.407 6G WIFI_9 |
| 2.5 If conducted measurements are used, the detection threshold needs to be corrected to refer to a 0 dBi gain antenna and include all the applicable losses (cables, etc.). For instance, the report should show (at least):<br>Detection Level = Injected AWGN Power (dBm) – Antenna Gain (dBi) + Path Loss (dB) | Page 39 of report LGT22J013RF17_FCC_5G_Part 15.407 6G WIFI_1 |
| 2.6 Include plots showing EUT has stopped transmitting after detection of AWGN signal | Page 18-19 of report LGT22J013RF17_FCC_5G_Part 15.407 6G WIFI_9 |
| 2.7 Describe whether channel puncturing and/or bandwidth reduction mechanisms supported. The report needs to include a plot as an example for at least one of the AWGN signals used. | Page 26-35 of report LGT22J013RF17_FCC_5G_Part 15.407 6G WIFI_9 |
| 2.8 If radiated testing is used, show that spot- | N/A |

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| checks were done to identify which side of the EUT has the lowest sensitivity to the incumbent signal detection, and that side was indeed chosen for the test. | |
| 3 Client Device Limitations | |
| 3.1 Client device (per definition in 47 CFR § 15.202) is limited to indoor locations, does not connect directly to the internet nor to other clients | Meet the requirements |
| 3.2 Requires attestation (as a Form 731 exhibit) stating that the device can only operate under the control of a low-power indoor access point and subordinate. | Provided attestation letter |
| 3.3 No vehicular use, except large aircrafts above 10000 ft. | Meet the requirements |
| 3.4 Transmit Power Control (TPC) required for client devices connected to Standard Power Access Points, excluding Fixed Client devices | Meet the requirements |
| 3.5 Show/justify enclosure is not weatherized for Subordinate and APs. | Not application, this device is client device. |
| 4. Emission Mask | |
| 4.1 Power spectral density suppression complies with 47 CFR § 15.407(b)(6). | Page 38 of report LGT22J013RF17_FCC_5G_Part 15.407 6G WIFI_1 |
| 4.2 If EUT supports OFDMA discuss testing of partial Resource Unit (RU) configurations. In any case the shape of the mask shall be based on full RU. | Not Support |
| 4.3 OOBE limits only apply outside of the 5.925-7.125 GHz band. All in-band emissions need to meet the channel mask. In case a higher RBW for the in-Band Emissions Mask is used (i.e., a more conservative case) that should be noted | Not Support |
| 5. Filing：99% of the occupied bandwidth must be contained within all the U-NII sub bands authorized for that equipment class | Page 35 of report LGT22J013RF17_FCC_5G_Part 15.407 6G WIFI_9 |
| 6. Hearing Aid Compatibility (HAC) | |
| 6.1 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. | Not support |
| 6.2 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 | Not support |

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| GHz connections over the same bands provide a reasonable representation of the HAC rating over the 5G NR sub 6 GHz connections. | |
| 7. Labelling | |
| 7.1 Label showing indoor only for Subordinate and APs. | Please see product label |
| 7.2 E-labelling may be acceptable if proper justification is provided | Not applicable |
| 8. Modular Certifications (when applicable) | Not applicable |
| 8.1 Modular approval letter to be uploaded with the application | Not applicable |
| 8.2 No subordinate devices can be modules | Not applicable |
| 8.3 Show notification for the host manufacturer about referencing KDB Publication 996369 D04 Module Integration Guide | Not applicable |
| 9. RF Exposure | |
| 9.1 Demonstrate applicable classification (~~portable/mobile/~~fixed) in reference to worst-case scenario use cases | See MPE report |
| 9.2 Address f > 6 GHz RF exposure via most recent applicable KDB or TCB Workshop procedures | See MPE report |
| 9.3 Address all applicable simultaneous transmission conditions using the compliance condition TER≤1, where TER (total exposure ratio) in this context is defined as:<br>$TER = \sum_{k=1}^{N_S}\left(\frac{SAR_k}{SAR_{\lim}}\right) + \sum_{k=1}^{N_f}\left(\frac{MPE_{field,\,k}}{MPE_{field,\,\lim}}\right)^2 + \sum_{k=1}^{N_{PD}}\left($<br>with $N_S$, $N_f$, and $N_{PD}$ referring to sources requiring SAR, field-MPE, or PD-MPE, respectively, $k$ referring to measured or estimated values for the source $k$, and "*lim*" to the corresponding applicable compliance limit Simultaneous transmit evaluations and test exemption analyses may use SPLSR per KDB Publication 447498. | See MPE report |
| 10. Security: Provide specific exhibit with device security description is required (complying with 47 CFR § 15.407(i)) | See SOFTWARE SECURITY REQUIREMENTS FOR U-NII DEVICES letter |
| 11. Spurious Emissions: Show that measurements are made at the prescribed antenna heights, per KDB Publication 987594 D01, including measurements along all three axes, as per ANSI C63.10 | Page 16-34 of report LGT22J013RF17_FCC_5G_Part 15.407 6G WIFI_1 |