UN5GHZ – Revision 1					
PAG Item Description	PAG List Item	Equipment Code(s)	TC Number(s)	Exhibit Category	Additional details
U-NII devices authorized in- U-NII-4 band 5.850-5.895 GHz and channels that span U-NII-3 and U-NII-4 Bands under Part 15 Subpart E.	UN5GHZ	NII	XXXXXX	Test Report Attestation Letter Grant conditions Label and User Manual	<ul> <li>EIRP was determined based on a conducted power measurement to which antenna gain w bands were evaluated against both UNII-3 conducted power and UNII-4 EIRP limits. Refer <i>Report UNII[a,n,ac,ax] WLAN_Part1</i>.</li> <li>PSD for channels fully or partially contained in the UNII-4 band was determined based on a gain was added. For channels straddling the UNII-3 / UNII-4 bands the highest PSD across tables starting on page 44 <i>4790541040-E6V2 FCC Report UNII[a,n,ac,ax] WLAN_Part1</i>.</li> <li>Antenna gain values are provided he antenna is shown in the internal photos exhibit but the <i>Distance_221110</i> is needed to know the location.</li> <li>Antenna gain information can be found in the Test report exhibit <i>A3LSMS916B_BT_WLAN</i> the appropriate values for peak gain (from pages 1,2 of antenna report).</li> <li>MIMO antenna gain calculations are provided – refer to page 43 of <i>4790541040-E6V2 F</i> Refer to attestation letter <i>A3LSMS916B_UNII-4 Attestation letter_221020</i> for the grantee anterna for those line entries.</li> <li>As this device is a client device the "Indoor Only" statements in the manual and on the proceeding.</li> </ul>

was added. Channels straddling the UNII-3 / UNII-4 r to tables starting on page 44 **4790541040-E6V2 FCC** 

a conducted power measurement to which the antenna s the entire channel was compared to the limit. Refer to

e confidential exhibit A3LSMS916B Ant

**N Antenna Gain\_221122**. The Part 15 test reports use

FCC Report UNII[a,n,ac,ax] WLAN\_Part1 attestations as required by KDB 291704.

nd 3 and EIRP for UNII-4. We will use the grant note

duct label are not required.

U-NII devices authorized in U-	NII bands 5.925-7.125 GHz (Wi-Fi 6E). PAG ITEM UN6GHZ. Equipment Code 6CD – Revision 2					
This is a portable client device request	ting approval under equipment code 6CD for indoor and outdoor operations.					
Label	This is a client-only device, Indoor Use Only warning is not required					
Internal Photos	Antenna Gain information					
Test report	The antenna is shown in the internal photos exhibit but the confidential exhibit A3LSMS916B Ant Distance_221110 is needed to know the location.					
	Antenna gain information can be found in the Test report exhibit A3LSMS916B_BT_WLAN Antenna Gain_221122. The Part 15 test report uses the appropriate values from the antenna exhibit.					
Test Report	<ul> <li>Anterina gain information can be routed in the Test report exhibit A3LSnsystem B1</li></ul>					
	• MIMO devices – the antenna gain calculations to determine aggregate gain are in 4790541040-E7V4 FCC Report UNII[6E] WLAN_Part1 section 5.2 (page 12). The report includes the formula used					
Test Denert	and a sample calculation. Same section and table also includes the minimum gain values within each sub-band for reference when reviewing the CBP tests.					
Test Report	<ul> <li>CBP - test report exhibit 4790541040-E7V4 FCC Report UNII[6E] WLAN_Part6</li> <li>Performed on one channel in each sub-band of operation for both narrowest and widest bandwidths - section 14.2.3 on page 29 shows testing performed on 160MHz and 20 MHz bandwidths</li> <li>10 MHz wide AWGN signal is used - page 28         <ul> <li>160MHz channel tested with three different AWGN signals at lower, upper and center of channel – section 14.2.3 on page 29 shows incumbent signal applied at 3 different frequencies</li> </ul> </li> <li>Detection threshold adjusted to consider lowest gain antenna – values of gain in the table on page 29 are lowest within each UNII band.         <ul> <li>MIMO device – detection threshold is evaluated based on lowest gain antenna value for all chains</li> <li>Report includes calculation showing the Required Detection Level = Injected AWGN Power (dBm) – Antenna Gain (dBi) + Path Loss (dB) on page 157</li> </ul> </li> <li>Lowest detection level is reported for each test – see table on page 29 showing minimum incumbent level for 100% detection and level at which detection rates are 0% and 50%.</li> <li>Test is performed by starting at a level much lower than required detection level and then increased - page 26 step 5 and 6.</li> <li>Plots showing device stopped transmitting - page 28 shows the EUT transmitting then stopping for the ten trials they tested with the incumbent set at 6110 MHz.</li> <li>Channel puncturing / bandwidth reduction: Not supported</li> </ul>					
Attestation Letter	<ul> <li>Refer to attestation letters <i>A3LSMS916B 6CD FCC Attestation Letter_221109</i> and <i>A3LSMS916B_WiFi6e_Power adjustment letter</i> for the grantee attestations, including: <ul> <li>confirming that the device will not connect directly to other clients and does not have its own direct internet connection;</li> <li>device can only operate under the control of a low-power indoor access point and subordinate in all bands</li> <li>DCD Dual Client only operating at standard power levels when connected to an outdoor AP.</li> </ul> </li> <li>Limitations explaining that client-to-client operations are not supported in the 6GHz bands and for operations as a dual client regarding output power settings when connected to a standard AP versus an indoor AP / subordinate device are included in the letters.</li> </ul>					
External Photos and Operational Description	Client device – enclosure form factor and labeling requirements do not apply.					
RF Exposure exhibit	RF Exposure - Classification is portable and rf exposure is addressed via PAG code OVER6G					
SDR / Software Description	Exhibit A3LSMS916B_U-NII Device SW Security Statement_221020 contains the 15.407(i) security information.					
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