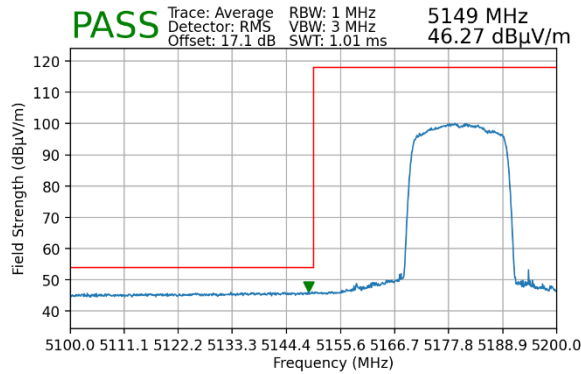
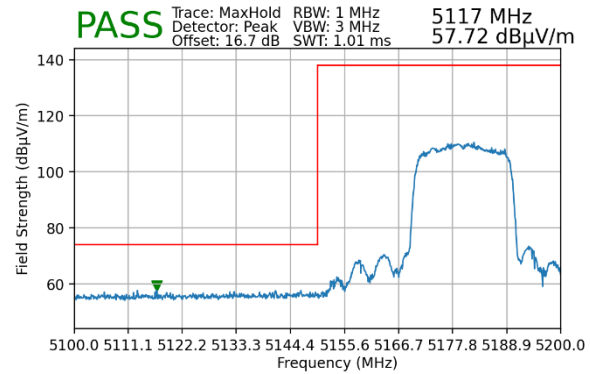


## 7.6.4 MIMO Radiated Band Edge Measurements (20MHz BW – Full Tone – 242T)

Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	5180MHz
Channel:	36

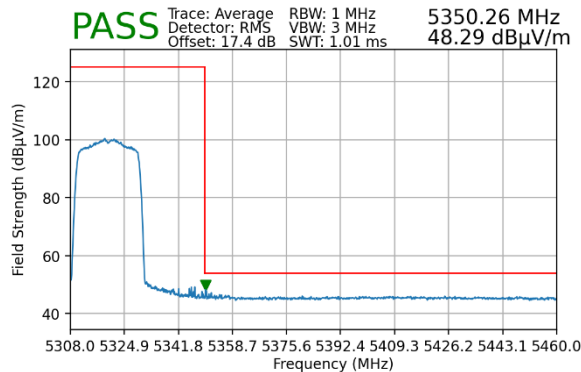


**Plot 7-170. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1 – 242 Tones)**

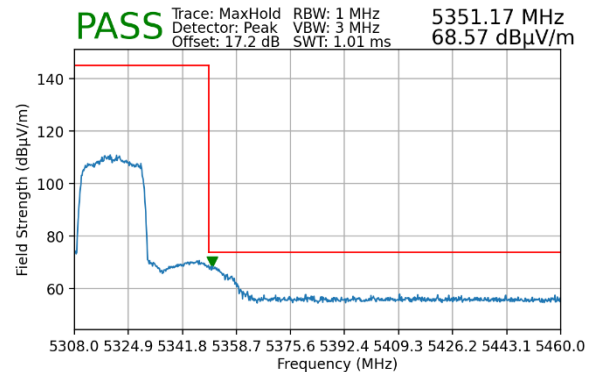


**Plot 7-171. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1 – 242 Tones)**

Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	5320MHz
Channel:	64



**Plot 7-172. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A – 242 Tones)**

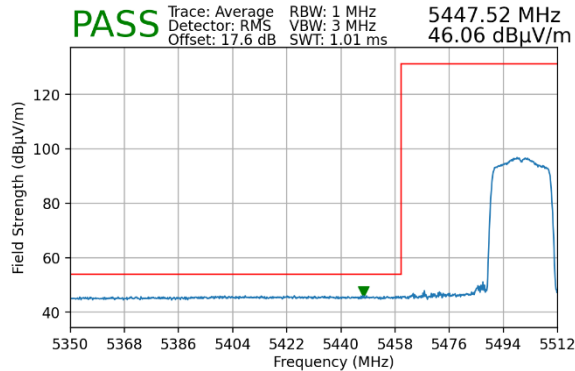


**Plot 7-173. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A – 242 Tones)**

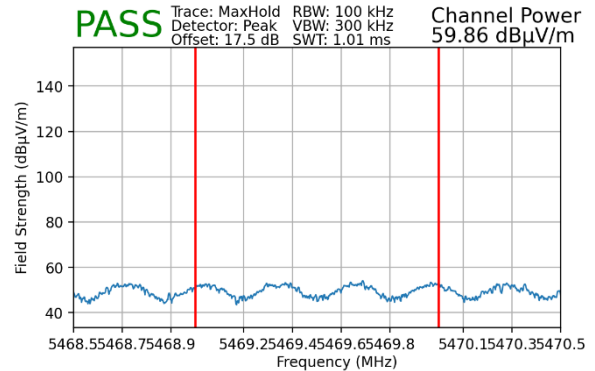
<b>FCC ID:</b> A3LSMX820	<b>MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1M2405140040-05-R1.A3L	<b>Test Dates:</b> 5/23/2024 - 7/28/2024	<b>EUT Type:</b> Portable Tablet	Page 127 of 139



Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	5500MHz
Channel:	100

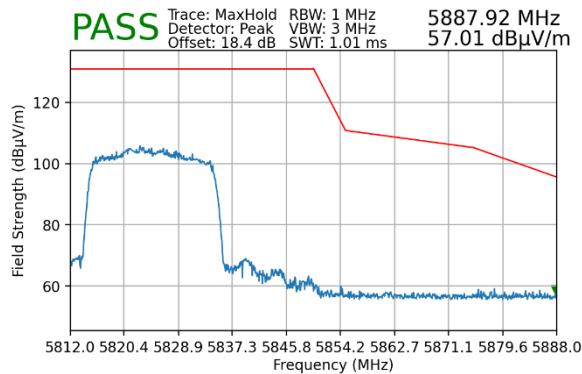


**Plot 7-174. Radiated Lower Band Edge Plot MIMO  
(Average – UNII Band 2C – 242 Tones)**



**Plot 7-175. Radiated Lower Band Edge Plot MIMO  
(Peak – UNII Band 2C – 242 Tones)**

Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	5825MHz
Channel:	165



**Plot 7-176. Radiated Upper Band Edge Plot MIMO  
(Peak – UNII Band 3 – 242 Tones)**

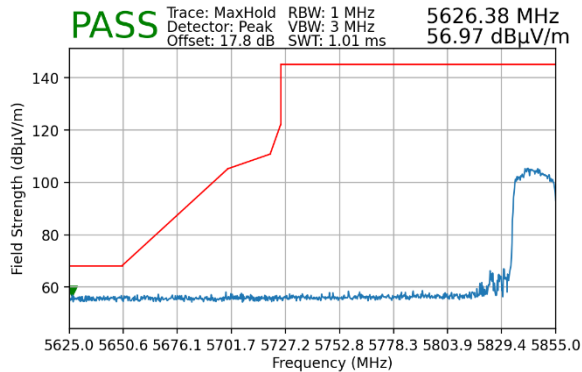
<b>FCC ID:</b> A3LSMX820	<b>MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1M2405140040-05-R1.A3L	<b>Test Dates:</b> 5/23/2024 - 7/28/2024	<b>EUT Type:</b> Portable Tablet	Page 128 of 139

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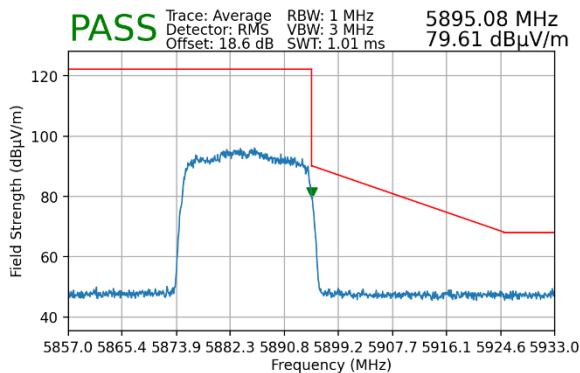
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Worst Case Mode: 802.11ax  
 Worst Case Transfer Rate: MCS0  
 RU Index: 61  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5845MHz  
 Channel: 169

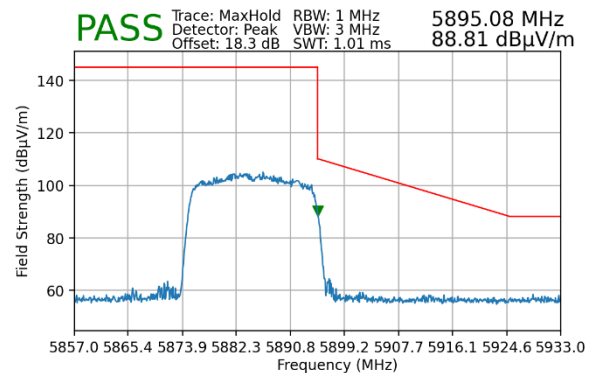


**Plot 7-177. Radiated Lower Band Edge Plot MIMO  
(Peak - UNII Band 4 - 242 Tones)**

Worst Case Mode: 802.11ax  
 Worst Case Transfer Rate: MCS0  
 RU Index: 61  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5885MHz  
 Channel: 177



**Plot 7-178. Radiated Upper Band Edge Plot MIMO  
(Average - UNII Band 4 - 242 Tones)**

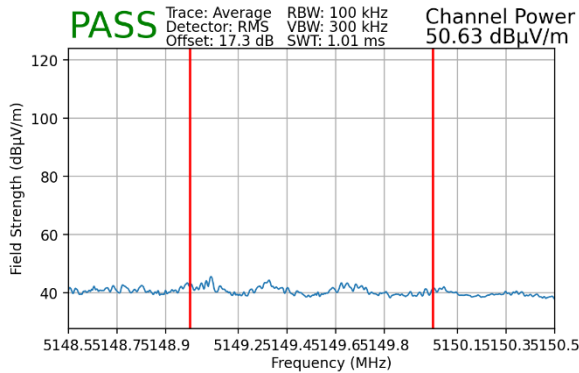


**Plot 7-179. Radiated Upper Band Edge Plot MIMO  
(Peak - UNII Band 4 - 242 Tones)**

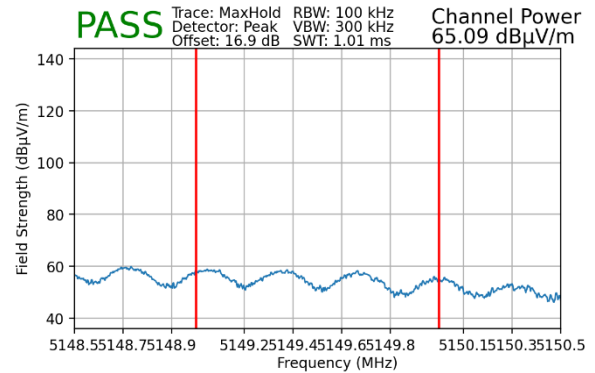
FCC ID: A3LSMX820	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2405140040-05-R1.A3L	Test Dates: 5/23/2024 - 7/28/2024	EUT Type: Portable Tablet	Page 129 of 139

## 7.6.5 MIMO Radiated Band Edge Measurements (40MHz BW – Full Tone – 484T)

Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
RU Index:	65
Distance of Measurements:	3 Meters
Operating Frequency:	5190MHz
Channel:	38

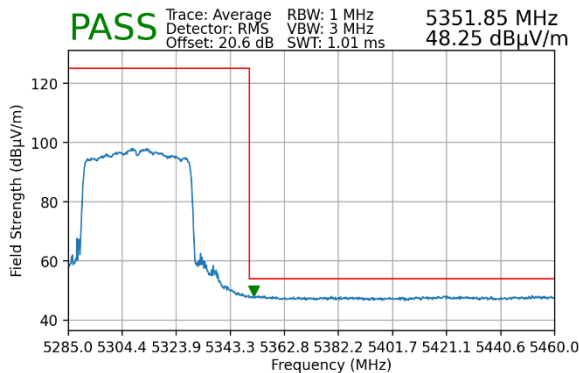


**Plot 7-180. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1 – 484 Tones)**

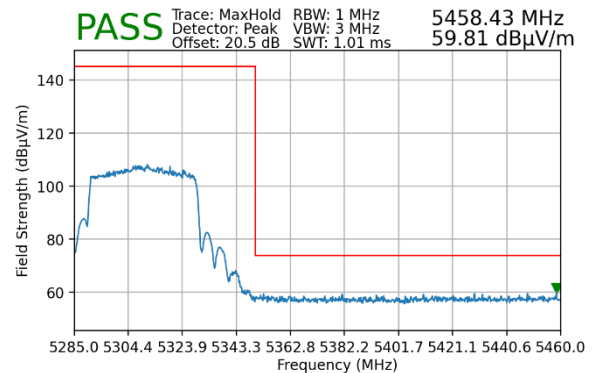


**Plot 7-181. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1 – 484 Tones)**

Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
RU Index:	65
Distance of Measurements:	3 Meters
Operating Frequency:	5310MHz
Channel:	62



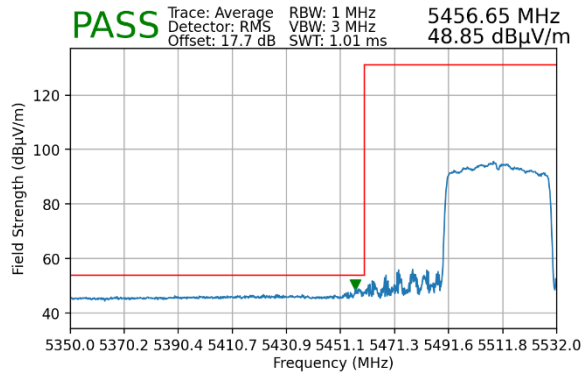
**Plot 7-182. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A – 484 Tones)**



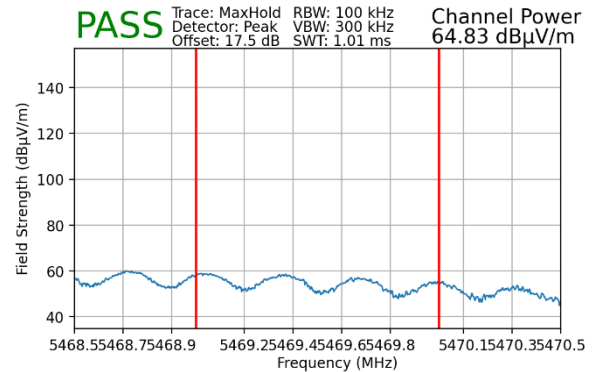
**Plot 7-183. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A – 484 Tones)**

<b>FCC ID:</b> A3LSMX820	<b>MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1M2405140040-05-R1.A3L	<b>Test Dates:</b> 5/23/2024 - 7/28/2024	<b>EUT Type:</b> Portable Tablet	Page 130 of 139

Worst Case Mode: 802.11ax  
 Worst Case Transfer Rate: MCS0  
 RU Index: 65  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5510MHz  
 Channel: 102

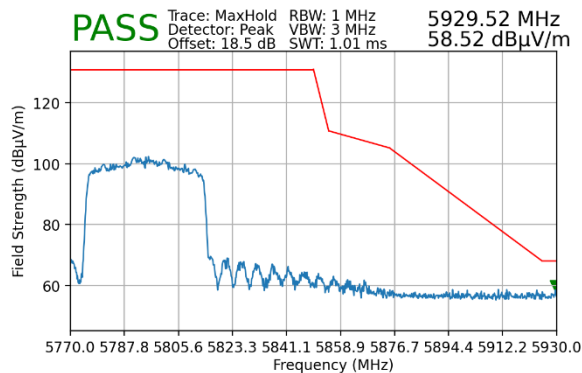


**Plot 7-184. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C – 484 Tones)**



**Plot 7-185. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 2C – 484 Tones)**

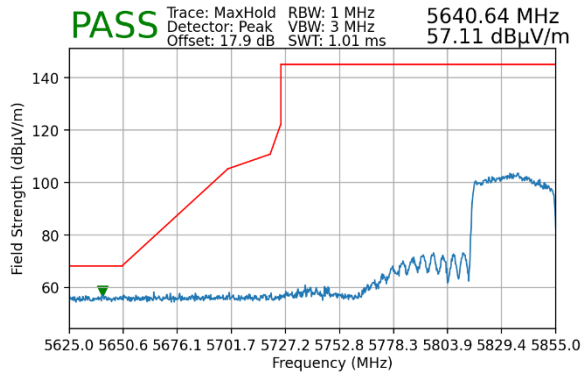
Worst Case Mode: 802.11ax  
 Worst Case Transfer Rate: MCS0  
 RU Index: 65  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5795MHz  
 Channel: 159



**Plot 7-186. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 3 – 484 Tones)**

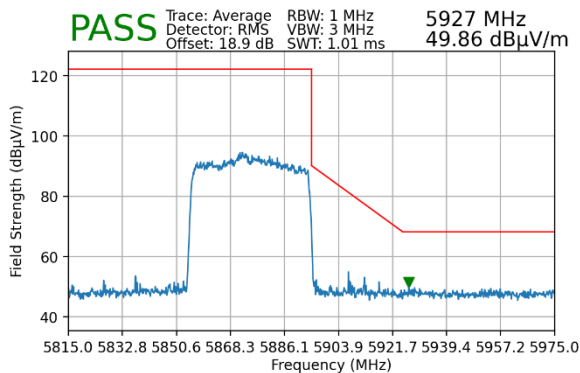
<b>FCC ID:</b> A3LSMX820	<b>MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1M2405140040-05-R1.A3L	<b>Test Dates:</b> 5/23/2024 - 7/28/2024	<b>EUT Type:</b> Portable Tablet	Page 131 of 139

Worst Case Mode: 802.11ax  
 Worst Case Transfer Rate: MCS0  
 RU Index: 65  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5835MHz  
 Channel: 167

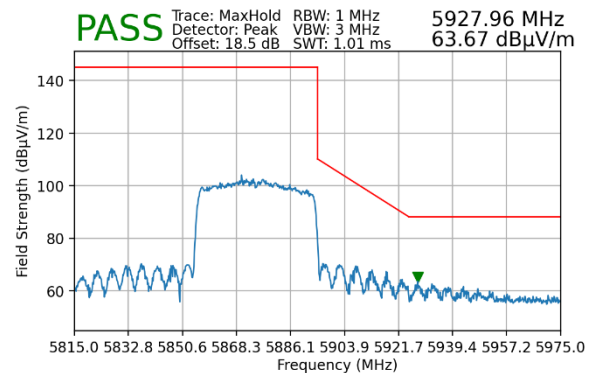


**Plot 7-187. Radiated Lower Band Edge Plot MIMO (Peak - UNII Band 4 - 484 Tones)**

Worst Case Mode: 802.11ax  
 Worst Case Transfer Rate: MCS0  
 RU Index: 65  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5875MHz  
 Channel: 175



**Plot 7-188. Radiated Upper Band Edge Plot MIMO (Average - UNII Band 4 - 484 Tones)**

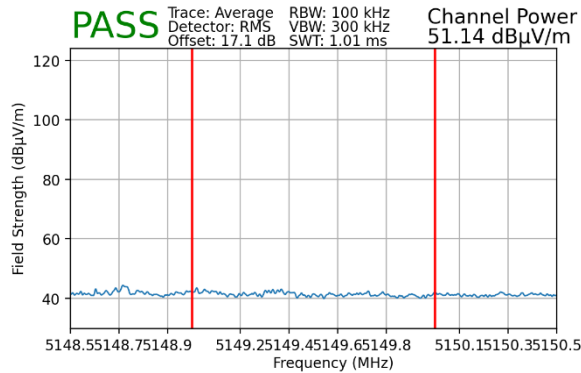


**Plot 7-189. Radiated Upper Band Edge Plot MIMO (Peak - UNII Band 4 - 484 Tones)**

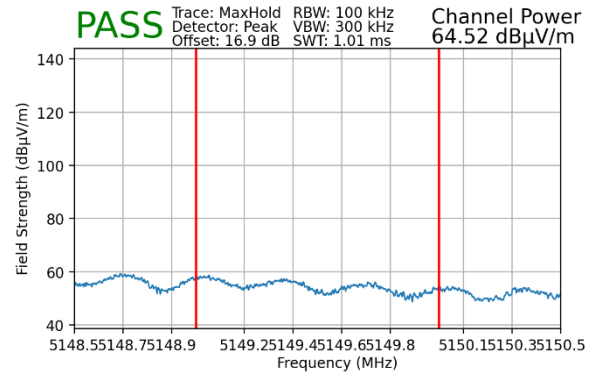
FCC ID: A3LSMX820	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2405140040-05-R1.A3L	Test Dates: 5/23/2024 - 7/28/2024	EUT Type: Portable Tablet	Page 132 of 139

## 7.6.6 MIMO Radiated Band Edge Measurements (80MHz BW – Full Tone – 996T)

Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
RU Index:	67
Distance of Measurements:	3 Meters
Operating Frequency:	5210MHz
Channel:	42

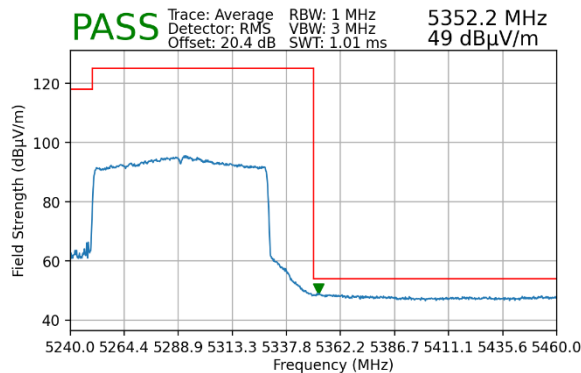


**Plot 7-190. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1 – 996 Tones)**

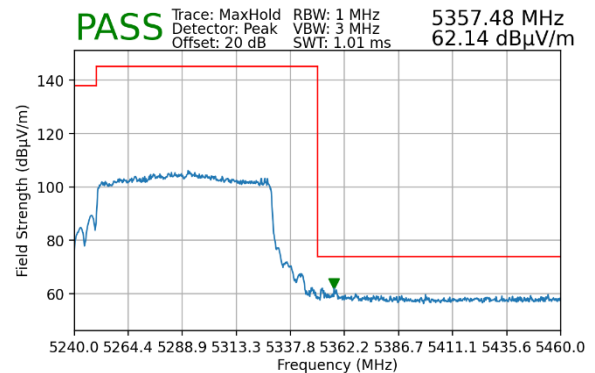


**Plot 7-191. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1 – 996 Tones)**

Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
RU Index:	67
Distance of Measurements:	3 Meters
Operating Frequency:	5290MHz
Channel:	58



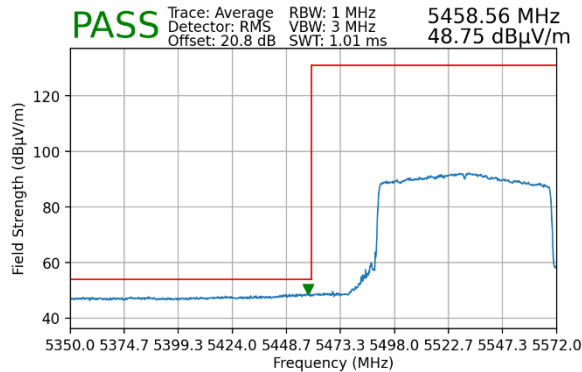
**Plot 7-192. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A – 996 Tones)**



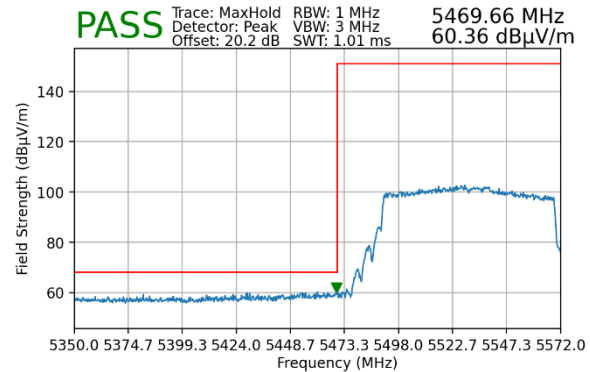
**Plot 7-193. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A – 996 Tones)**

<b>FCC ID:</b> A3LSMX820	<b>MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1M2405140040-05-R1.A3L	<b>Test Dates:</b> 5/23/2024 - 7/28/2024	<b>EUT Type:</b> Portable Tablet	Page 133 of 139

Worst Case Mode: 802.11ax  
 Worst Case Transfer Rate: MCS0  
 RU Index: 67  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5530MHz  
 Channel: 106

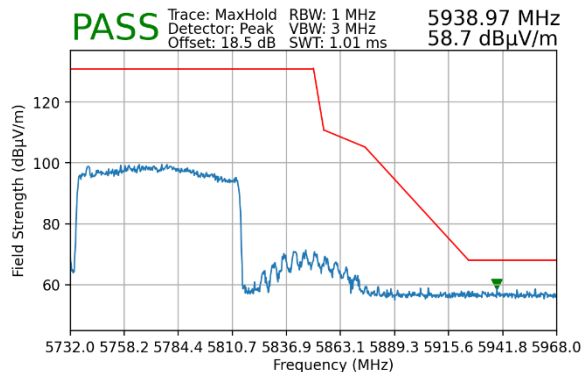


**Plot 7-194. Radiated Lower Band Edge Plot MIMO  
(Average – UNII Band 2C – 996 Tones)**



**Plot 7-195. Radiated Lower Band Edge Plot MIMO  
(Peak – UNII Band 2C – 996 Tones)**

Worst Case Mode: 802.11ax  
 Worst Case Transfer Rate: MCS0  
 RU Index: 67  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5775MHz  
 Channel: 155

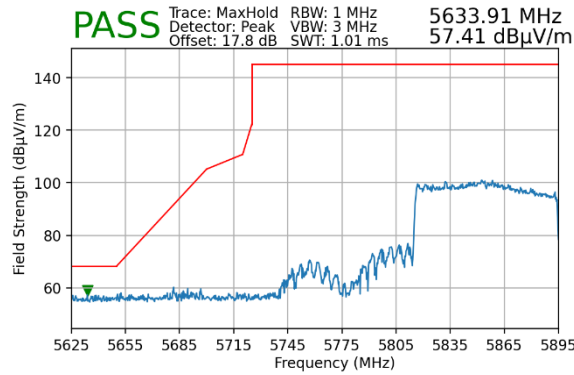


**Plot 7-196. Radiated Upper Band Edge Plot MIMO  
(Peak – UNII Band 3 – 996 Tones)**

<b>FCC ID:</b> A3LSMX820	<b>MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1M2405140040-05-R1.A3L	<b>Test Dates:</b> 5/23/2024 - 7/28/2024	<b>EUT Type:</b> Portable Tablet	Page 134 of 139

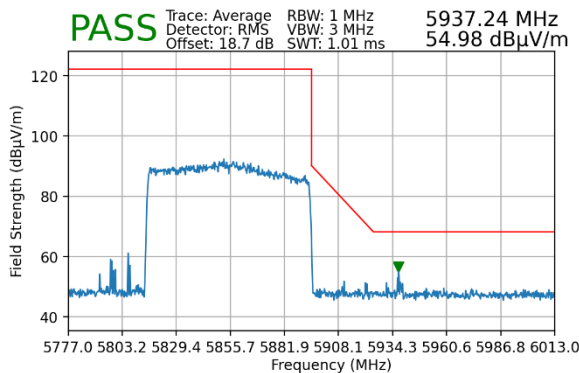


Worst Case Mode: 802.11ax  
 Worst Case Transfer Rate: MCS0  
 RU Index: 67  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5855MHz  
 Channel: 171

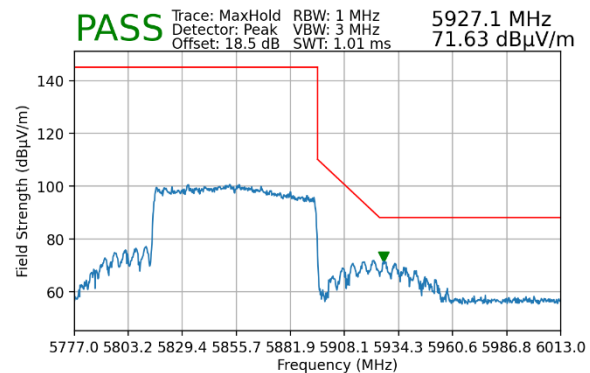


**Plot 7-197. Radiated Lower Band Edge Plot MIMO (Peak - UNII Band 4 - 996 Tones)**

Worst Case Mode: 802.11ax  
 Worst Case Transfer Rate: MCS0  
 RU Index: 67  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5855MHz  
 Channel: 171



**Plot 7-198. Radiated Upper Band Edge Plot MIMO (Average - UNII Band 4 - 996 Tones)**

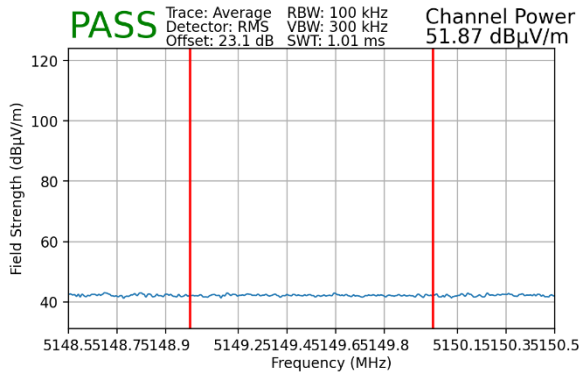


**Plot 7-199. Radiated Upper Band Edge Plot MIMO (Peak - UNII Band 4 - 996 Tones)**

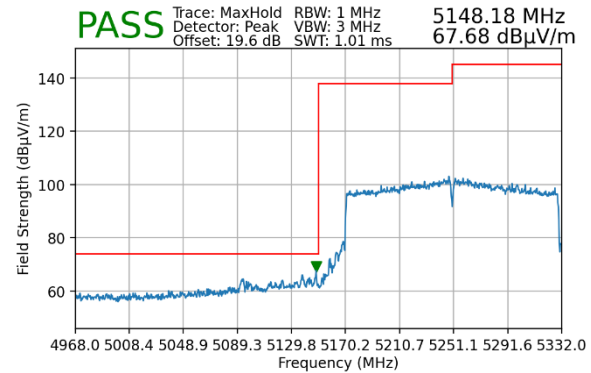
FCC ID: A3LSMX820	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2405140040-05-R1.A3L	Test Dates: 5/23/2024 - 7/28/2024	EUT Type: Portable Tablet	Page 135 of 139

## 7.6.7 MIMO Radiated Band Edge Measurements (160MHz BW – Full Tone – 2x996T)

Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
RU Index:	67
Distance of Measurements:	3 Meters
Operating Frequency:	5250MHz
Channel:	50

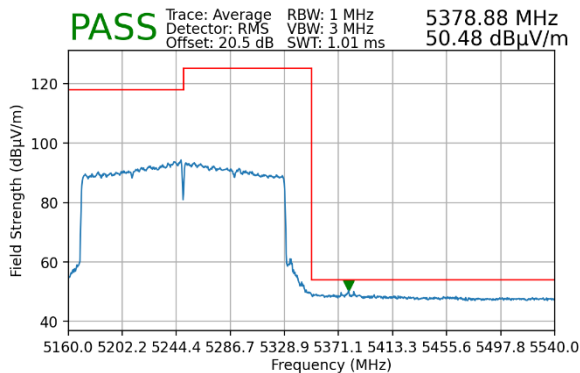


**Plot 7-200. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1 – 2x996 Tones)**

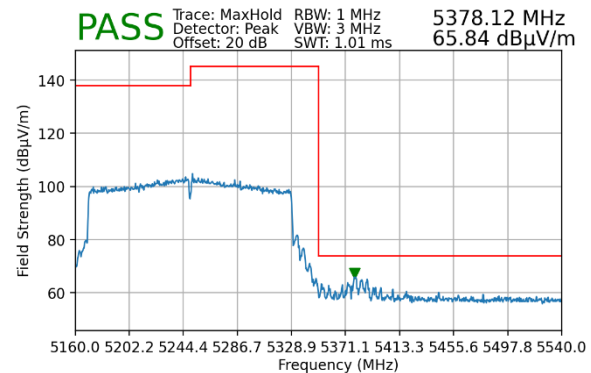


**Plot 7-201. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1 – 2x996 Tones)**

Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
RU Index:	67
Distance of Measurements:	3 Meters
Operating Frequency:	5250MHz
Channel:	50



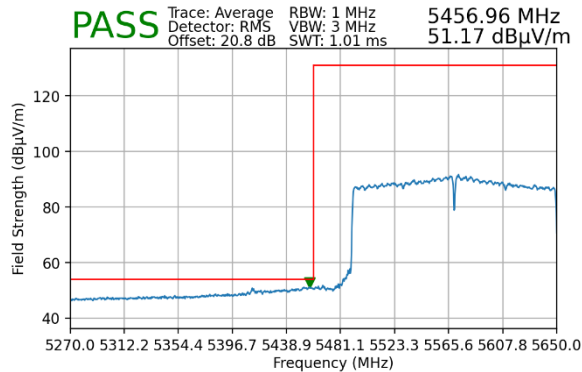
**Plot 7-202. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A – 2x996 Tones)**



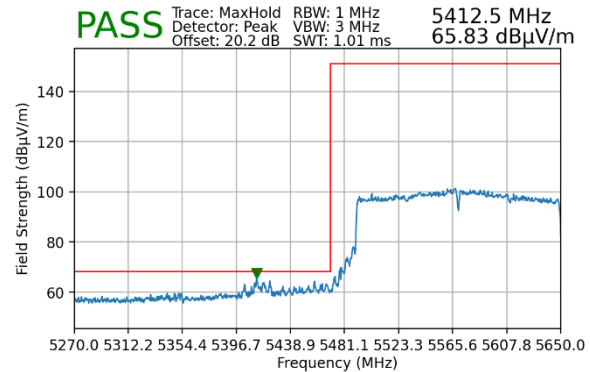
**Plot 7-203. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A – 2x996 Tones)**

<b>FCC ID:</b> A3LSMX820	<b>MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1M2405140040-05-R1.A3L	<b>Test Dates:</b> 5/23/2024 - 7/28/2024	<b>EUT Type:</b> Portable Tablet	Page 136 of 139

Worst Case Mode: 802.11ax  
 Worst Case Transfer Rate: MCS0  
 RU Index: 67  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5570MHz  
 Channel: 114

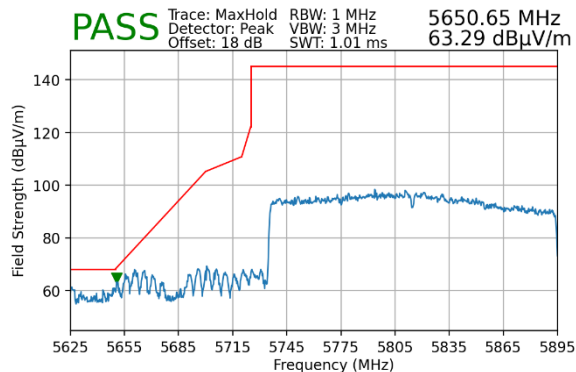


**Plot 7-204. Radiated Lower Band Edge Plot MIMO (Average - UNII Band 2C - 2x996 Tones)**



**Plot 7-205. Radiated Lower Band Edge Plot MIMO (Peak - UNII Band 2C - 2x996 Tones)**

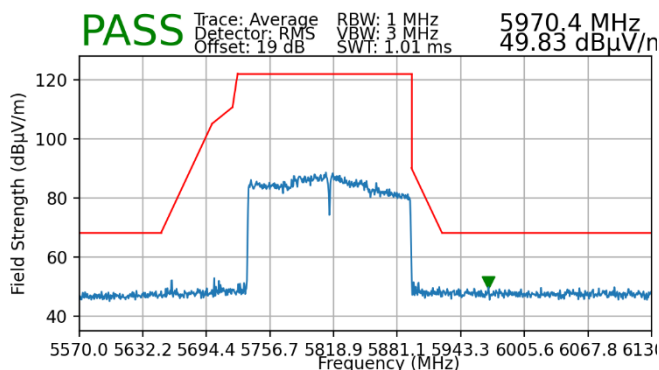
Worst Case Mode: 802.11ax  
 Worst Case Transfer Rate: MCS0  
 RU Index: 67  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5815MHz  
 Channel: 163



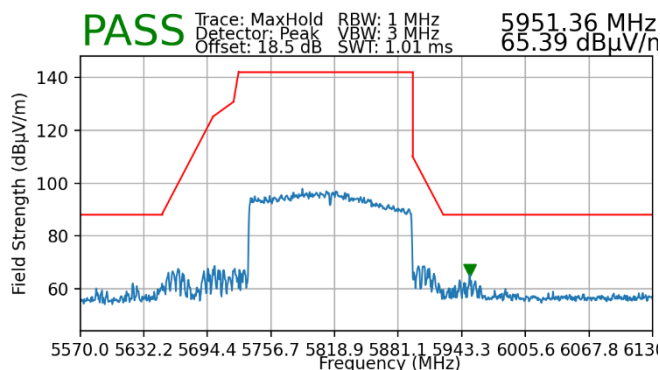
**Plot 7-206. Radiated Lower Band Edge Plot MIMO (Peak - UNII Band 4 - 2x996 Tones)**

<b>FCC ID:</b> A3LSMX820	<b>MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1M2405140040-05-R1.A3L	<b>Test Dates:</b> 5/23/2024 - 7/28/2024	<b>EUT Type:</b> Portable Tablet	Page 137 of 139

Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
RU Index:	67
Distance of Measurements:	3 Meters
Operating Frequency:	5815MHz
Channel:	163



**Plot 7-207. Radiated Upper Band Edge Plot MIMO  
(Average – UNII Band 4 – 2x996 Tones)**



**Plot 7-208. Radiated Upper Band Edge Plot MIMO  
(Peak – UNII Band 4 – 2x996 Tones)**

<b>FCC ID:</b> A3LSMX820	<b>MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1M2405140040-05-R1.A3L	<b>Test Dates:</b> 5/23/2024 - 7/28/2024	<b>EUT Type:</b> Portable Tablet	Page 138 of 139

## 8.0 CONCLUSION

The data collected relate only the item(s) tested and show that the **Samsung Portable Tablet FCC: A3LSMX820** is in compliance with FCC Part Subpart E (15.407) of the FCC rules.

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Test Report S/N: 1M2405140040-05-R1.A3L	Test Dates: 5/23/2024 - 7/28/2024	EUT Type: Portable Tablet	Page 139 of 139