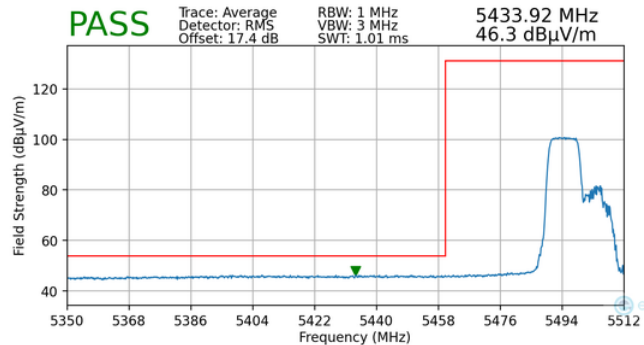
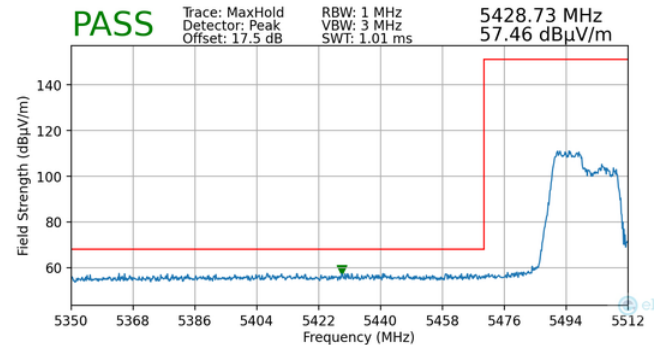


Worst Case Mode: 802.11ax  
 Worst Case Transfer Rate: MCS0  
 RU Index: 53  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5500MHz  
 Channel: 100

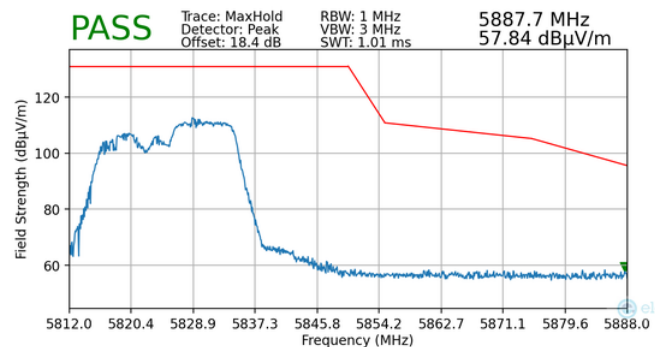


**Plot 7-163. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C – 106 Tones)**



**Plot 7-164. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 2C – 106 Tones)**

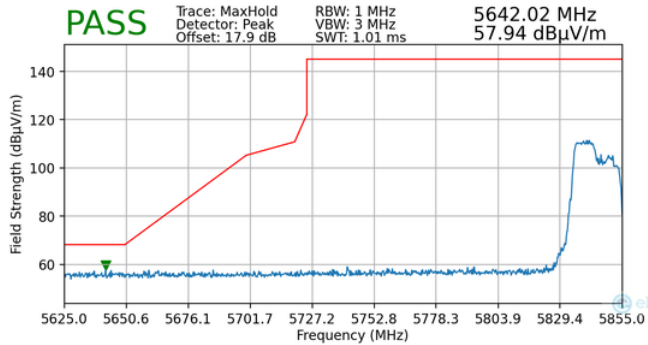
Worst Case Mode: 802.11be  
 Worst Case Transfer Rate: MCS0  
 RU Index: 54  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5825MHz  
 Channel: 165



**Plot 7-165. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 3 – 106 Tones)**

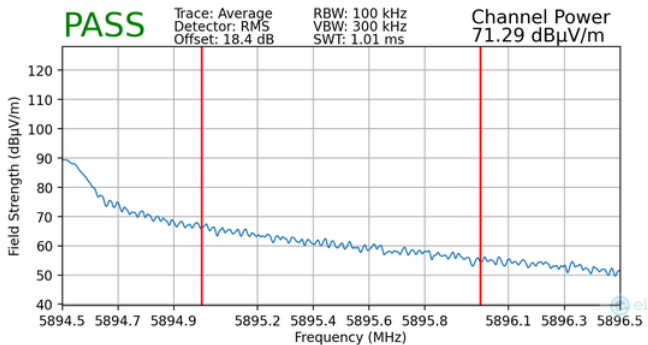
FCC ID: A3LSMS928JPN	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2312110124-09.A3L	Test Dates: 9/6/2023 – 11/06/2023	EUT Type: Portable Handset	Page 146 of 166

Worst Case Mode: 802.11be  
 Worst Case Transfer Rate: MCS0  
 RU Index: 53  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5845MHz  
 Channel: 169

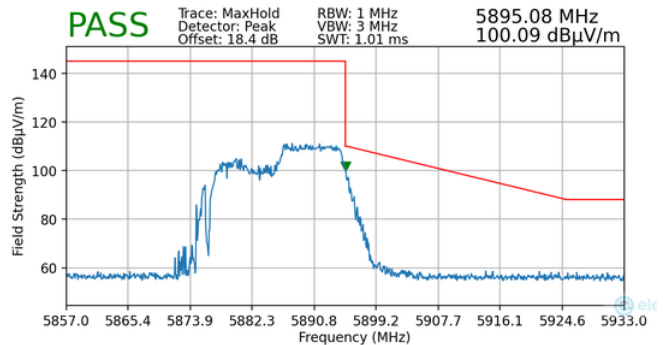


**Plot 7-166. Radiated Lower Band Edge Plot MIMO (Peak - UNII Band 4 - 106 Tones)**

Worst Case Mode: 802.11ax  
 Worst Case Transfer Rate: MCS0  
 RU Index: 54  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5885MHz  
 Channel: 177



**Plot 7-167. Radiated Upper Band Edge Plot MIMO (Average - UNII Band 4 - 106 Tones)**

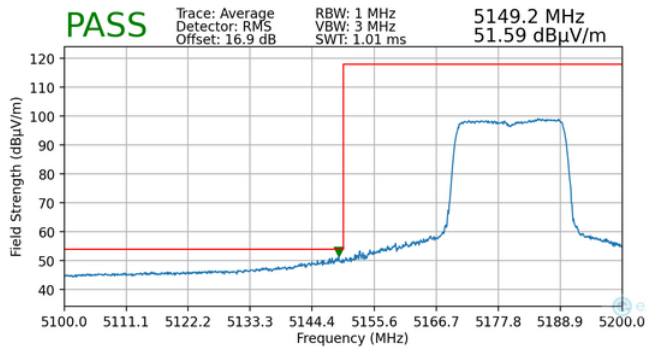


**Plot 7-168. Radiated Upper Band Edge Plot MIMO (Peak - UNII Band 4 - 106 Tones)**

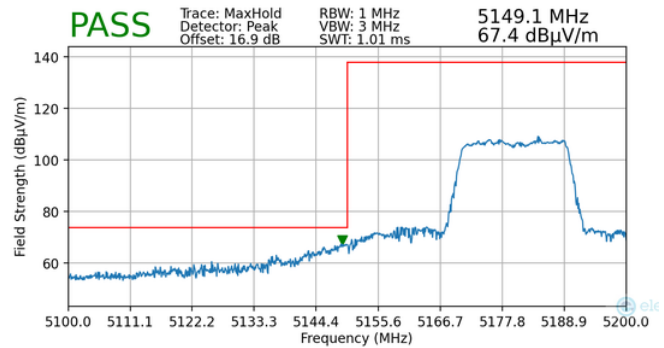
FCC ID: A3LSMS928JPN	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2312110124-09.A3L	Test Dates: 9/6/2023 – 11/06/2023	EUT Type: Portable Handset	Page 147 of 166

## 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

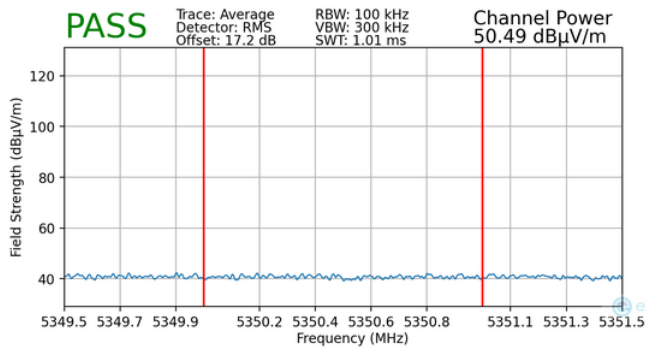


**Plot 7-169. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1 – 242 Tones)**

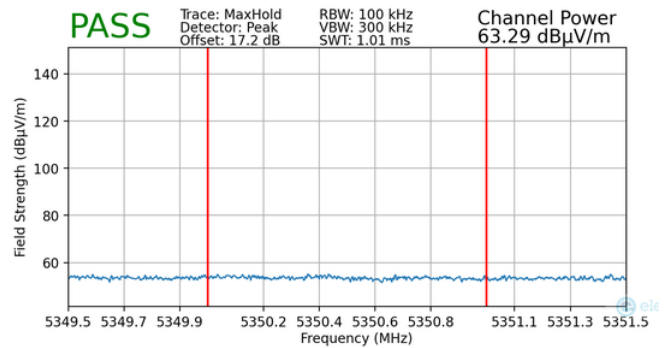


**Plot 7-170. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1 – 242 Tones)**

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



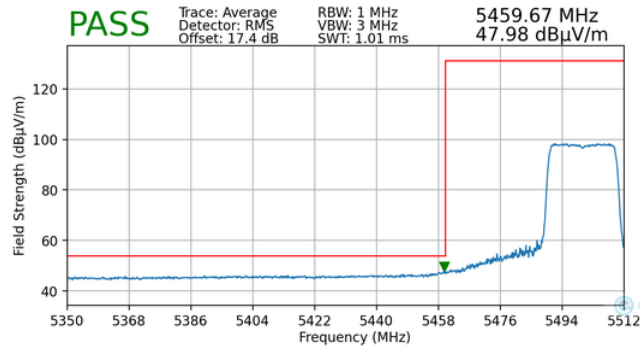
**Plot 7-171. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A – 242 Tones)**



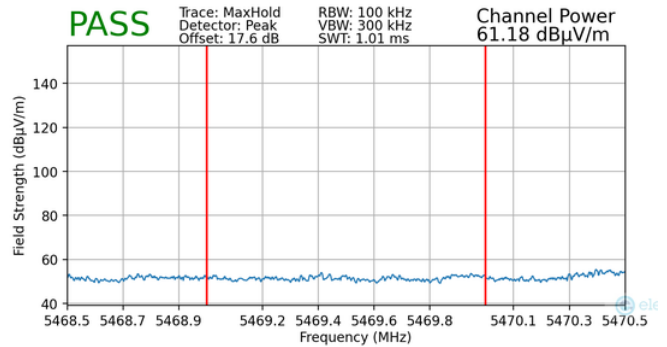
**Plot 7-172. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A – 242 Tones)**

FCC ID: A3LSMS928JPN	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2312110124-09.A3L	Test Dates: 9/6/2023 – 11/06/2023	EUT Type: Portable Handset	Page 148 of 166

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

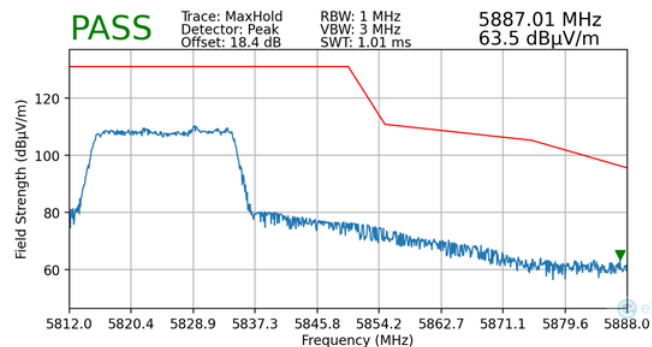


**Plot 7-173. Radiated Lower Band Edge Plot MIMO  
(Average – UNII Band 2C – 242 Tones)**



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

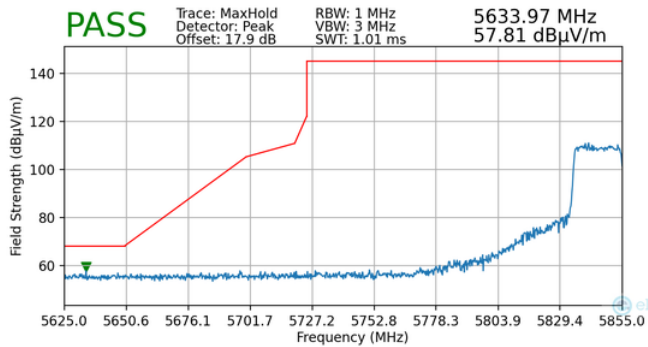
Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	5825MHz
Channel:	165



**Plot 7-175. Radiated Upper Band Edge Plot MIMO  
(Peak – UNII Band 3 – 242 Tones)**

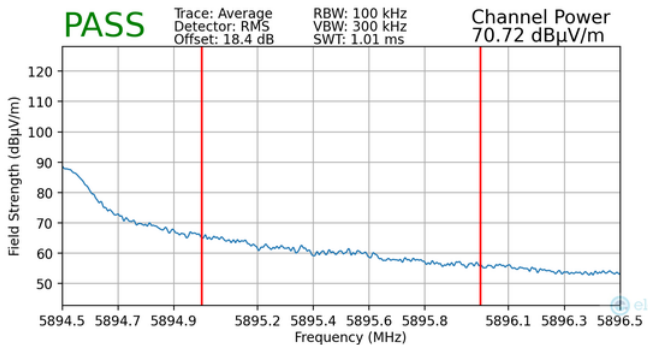
FCC ID: A3LSMS928JPN	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2312110124-09.A3L	Test Dates: 9/6/2023 – 11/06/2023	EUT Type: Portable Handset	Page 149 of 166

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

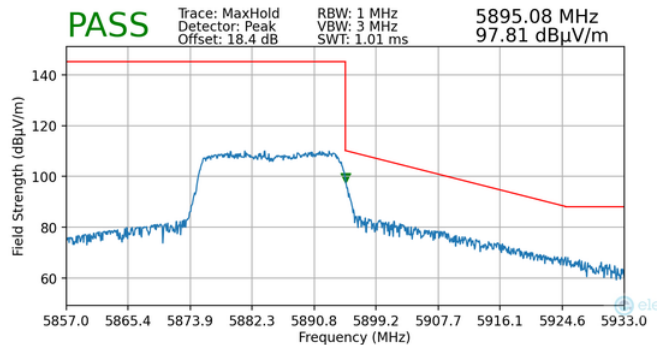


**Plot 7-176. Radiated Lower Band Edge Plot MIMO (Peak - UNII Band 4 - 242 Tones)**

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



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

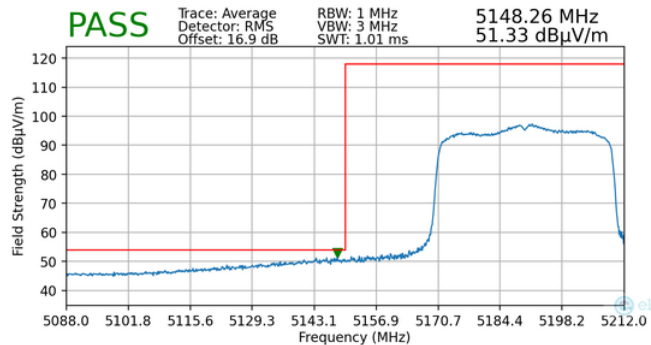


**Plot 7-178. Radiated Upper Band Edge Plot MIMO (Peak - UNII Band 4 - 242 Tones)**

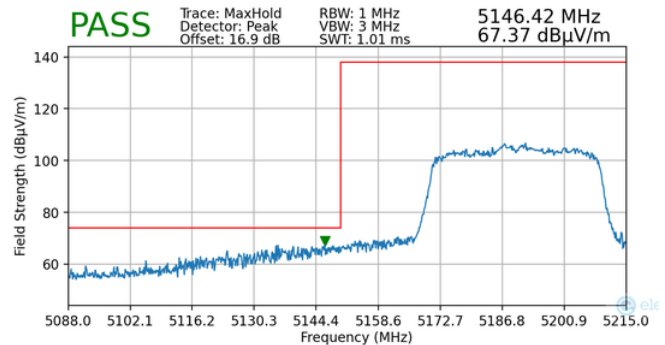
FCC ID: A3LSMS928JPN	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2312110124-09.A3L	Test Dates: 9/6/2023 – 11/06/2023	EUT Type: Portable Handset	Page 150 of 166

## 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

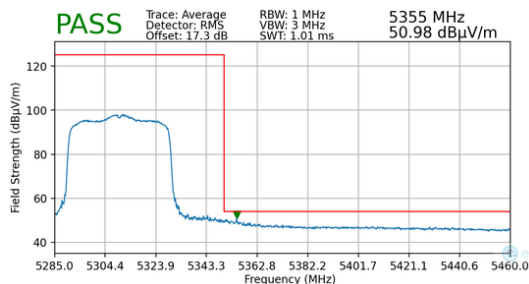


**Plot 7-179. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1 – 484 Tones)**

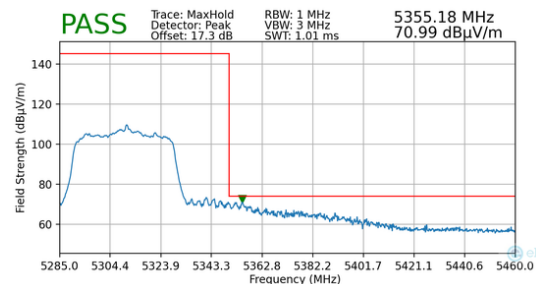


**Plot 7-180. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1 – 484 Tones)**

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



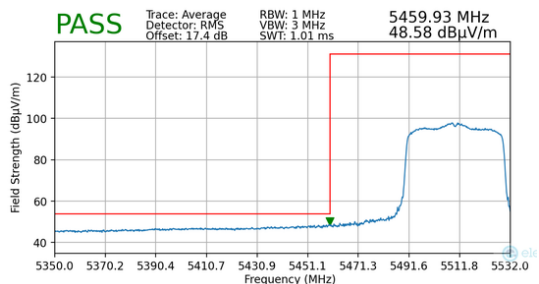
**Plot 7-181. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A – 484 Tones)**



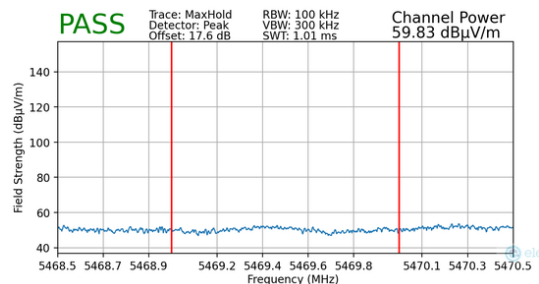
**Plot 7-182. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A – 484 Tones)**

<b>FCC ID:</b> A3LSMS928JPN	<b>MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1M2312110124-09.A3L	<b>Test Dates:</b> 9/6/2023 – 11/06/2023	<b>EUT Type:</b> Portable Handset	Page 151 of 166

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

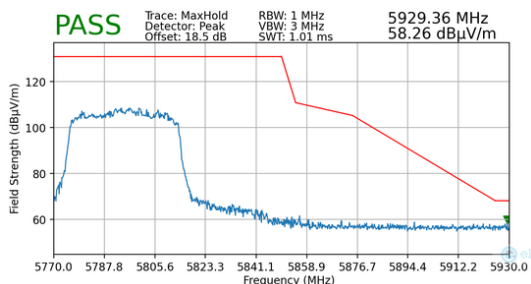


**Plot 7-183. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C – 484 Tones)**



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

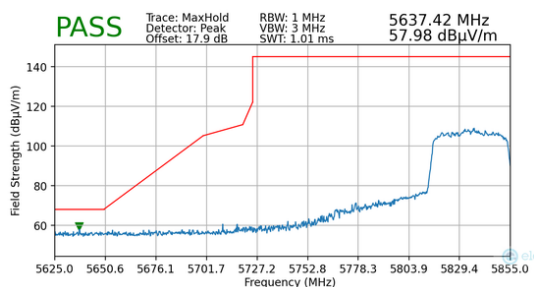
Worst Case Mode: 802.11be  
 Worst Case Transfer Rate: MCS0  
 RU Index: 65  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5795MHz  
 Channel: 159



**Plot 7-185. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 3 – 484 Tones)**

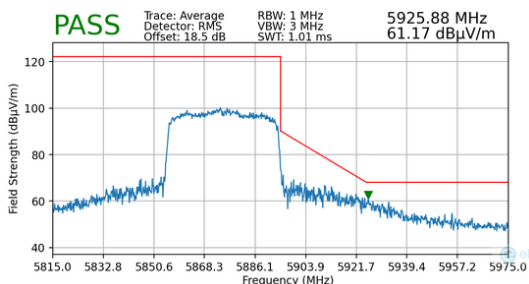
FCC ID: A3LSMS928JPN	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2312110124-09.A3L	Test Dates: 9/6/2023 – 11/06/2023	EUT Type: Portable Handset	Page 152 of 166

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

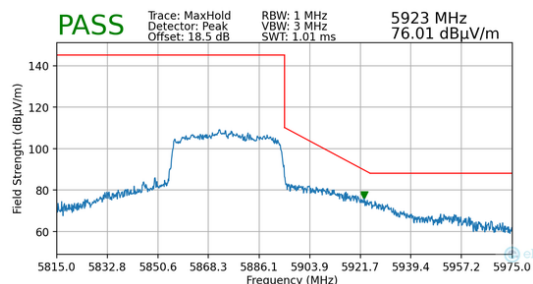


**Plot 7-186. Radiated Lower Band Edge Plot MIMO (Peak - UNII Band 4 - 484 Tones)**

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



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



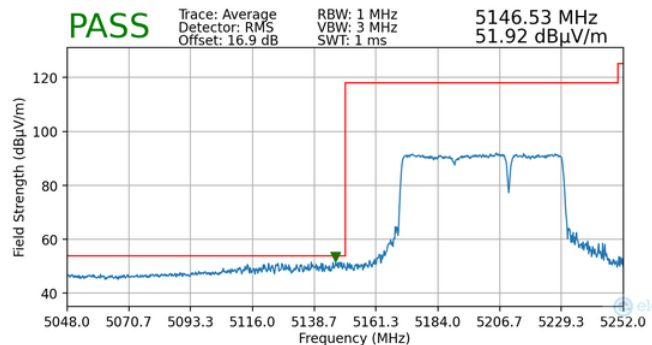
**Plot 7-188. Radiated Upper Band Edge Plot MIMO (Peak - UNII Band 4 - 484 Tones)**

FCC ID: A3LSMS928JPN	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2312110124-09.A3L	Test Dates: 9/6/2023 – 11/06/2023	EUT Type: Portable Handset	Page 153 of 166

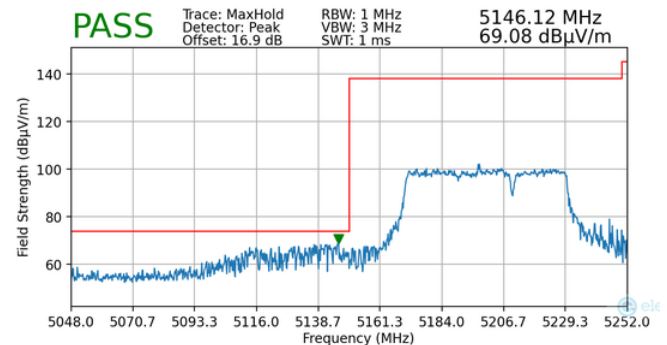


## 7.6.6 MIMO Radiated Band Edge Measurements (80MHz BW – Partial Tones – 484 + 242T)

Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
RU Index:	93
Distance of Measurements:	3 Meters
Operating Frequency:	5210MHz
Channel:	42

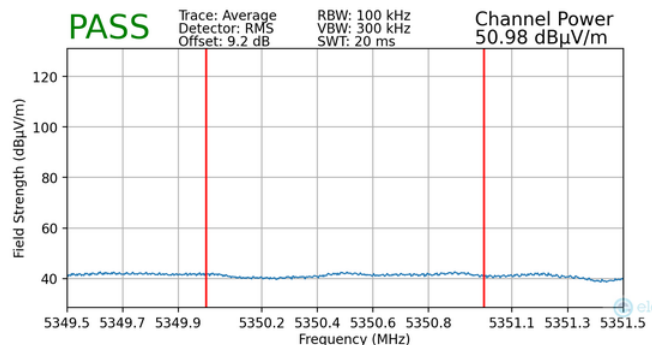


**Plot 7-189. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1 – 484 + 242 Tones)**

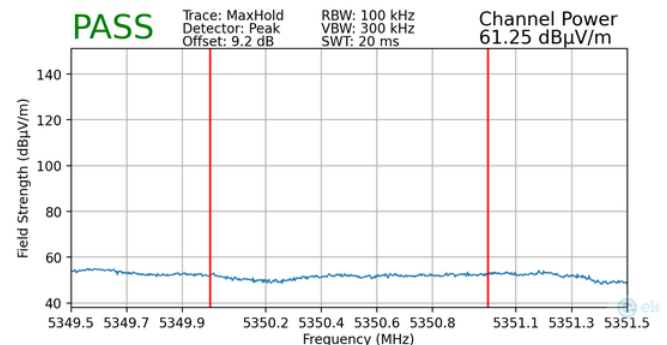


**Plot 7-190. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1 – 484 + 242 Tones)**

Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
RU Index:	90
Distance of Measurements:	3 Meters
Operating Frequency:	5290MHz
Channel:	58



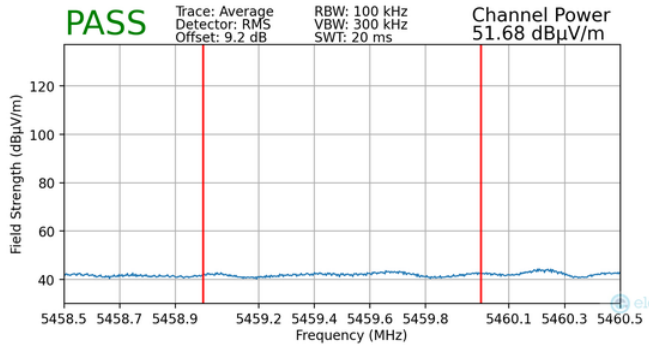
**Plot 7-191. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A – 484 + 242 Tones)**



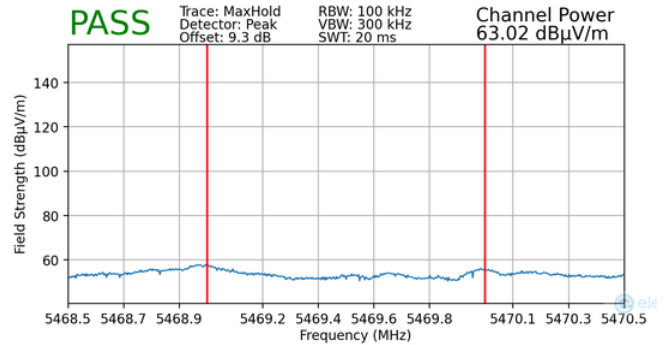
**Plot 7-192. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A – 484 + 242 Tones)**

FCC ID: A3LSMS928JPN	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2312110124-09.A3L	Test Dates: 9/6/2023 – 11/06/2023	EUT Type: Portable Handset	Page 154 of 166

Worst Case Mode: 802.11be  
 Worst Case Transfer Rate: MCS0  
 RU Index: 90  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5530MHz  
 Channel: 106

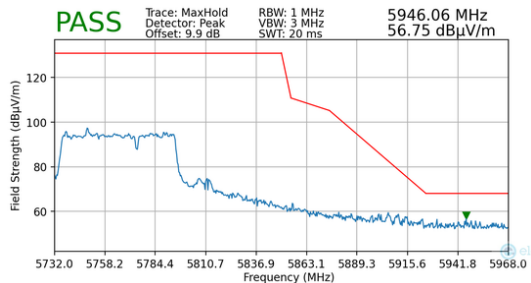


**Plot 7-193. Radiated Lower Band Edge Plot MIMO (Average - UNII Band 2C - 484 + 242 Tones)**



**Plot 7-194. Radiated Lower Band Edge Plot MIMO (Peak - UNII Band 2C - 484 + 242 Tones)**

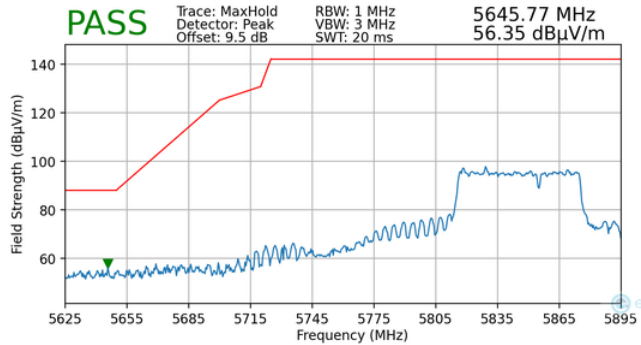
Worst Case Mode: 802.11ax  
 Worst Case Transfer Rate: MCS0  
 RU Index: 93  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5775MHz  
 Channel: 155



**Plot 7-195. Radiated Upper Band Edge Plot MIMO (Peak - UNII Band 3 - 484 + 242 Tones)**

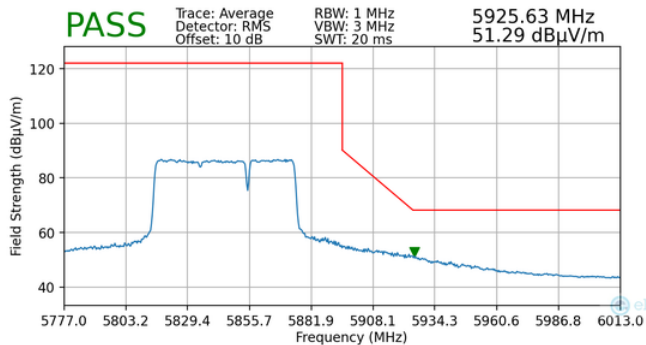
FCC ID: A3LSMS928JPN	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2312110124-09.A3L	Test Dates: 9/6/2023 – 11/06/2023	EUT Type: Portable Handset	Page 155 of 166

Worst Case Mode: 802.11be  
 Worst Case Transfer Rate: MCS0  
 RU Index: 93  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5855MHz  
 Channel: 171

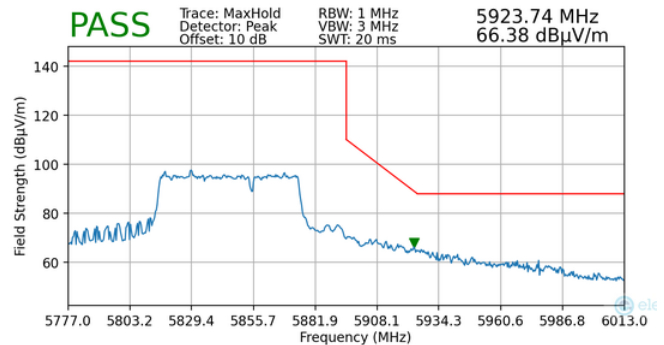


**Plot 7-196. Radiated Lower Band Edge Plot MIMO (Peak - UNII Band 4 - 484 + 242 Tones)**

Worst Case Mode: 802.11ax  
 Worst Case Transfer Rate: MCS0  
 RU Index: 90  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5855MHz  
 Channel: 171



**Plot 7-197. Radiated Upper Band Edge Plot MIMO (Average - UNII Band 4 - 484 + 242 Tones)**

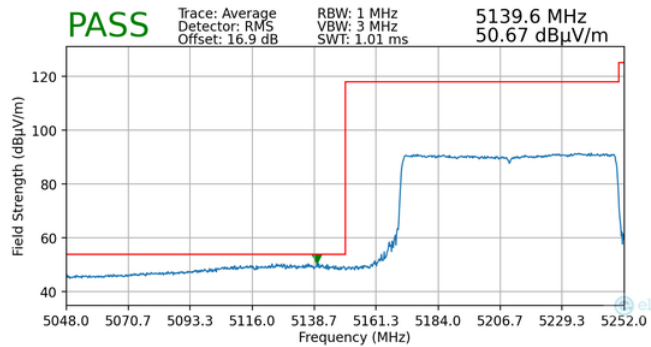


**Plot 7-198. Radiated Upper Band Edge Plot MIMO (Peak - UNII Band 4 - 484 + 242 Tones)**

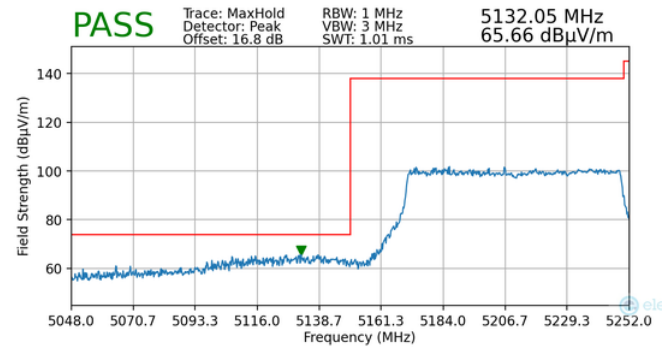
FCC ID: A3LSMS928JPN	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2312110124-09.A3L	Test Dates: 9/6/2023 - 11/06/2023	EUT Type: Portable Handset	Page 156 of 166

## 7.6.7 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

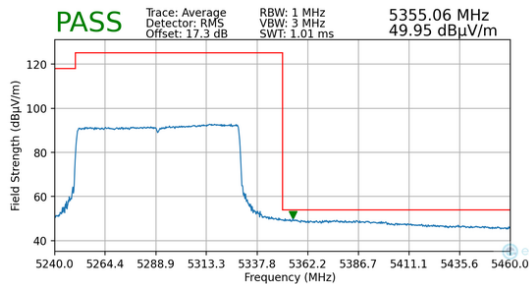


**Plot 7-199. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1 – 996 Tones)**

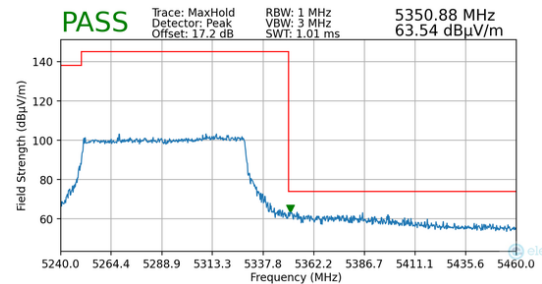


**Plot 7-200. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1 – 996 Tones)**

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



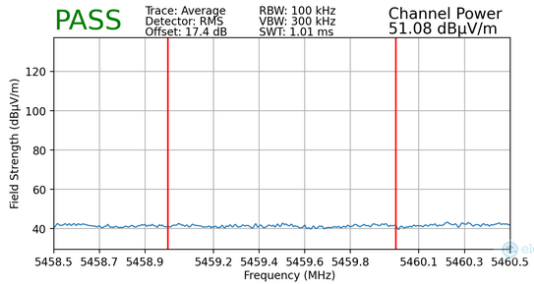
**Plot 7-201. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A – 996 Tones)**



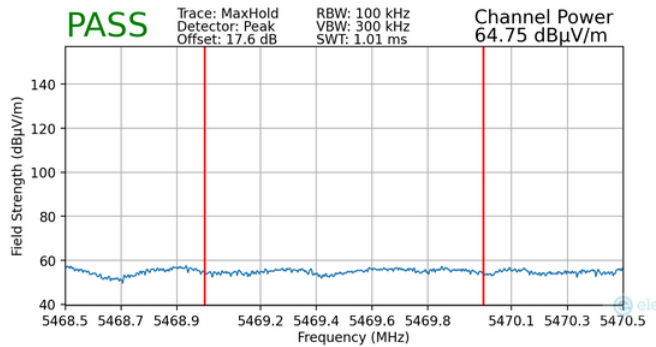
**Plot 7-202. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A – 996 Tones)**

FCC ID: A3LSMS928JPN	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2312110124-09.A3L	Test Dates: 9/6/2023 – 11/06/2023	EUT Type: Portable Handset	Page 157 of 166

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

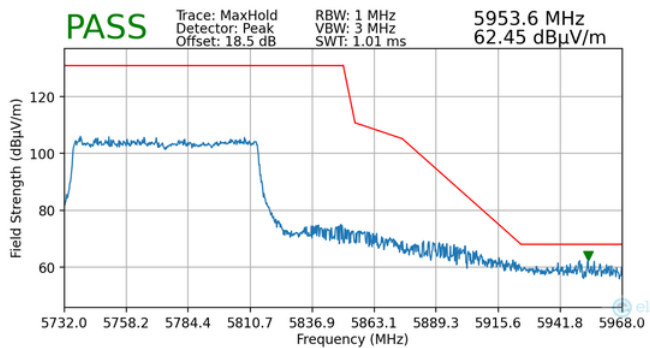


**Plot 7-203. Radiated Lower Band Edge Plot MIMO  
(Average – UNII Band 2C – 996 Tones)**



**Plot 7-204. Radiated Lower Band Edge Plot MIMO  
(Peak – UNII Band 2C – 996 Tones)**

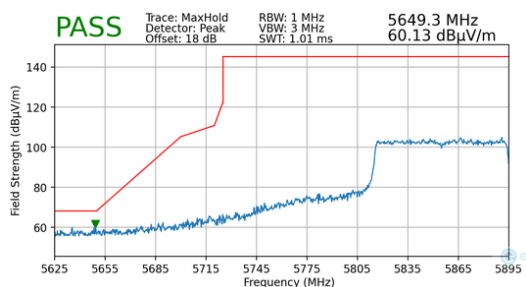
Worst Case Mode: 802.11ax  
 Worst Case Transfer Rate: MCS0  
 RU Index: 67  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5775MHz  
 Channel: 155



**Plot 7-205. Radiated Upper Band Edge Plot MIMO  
(Peak – UNII Band 3 – 996 Tones)**

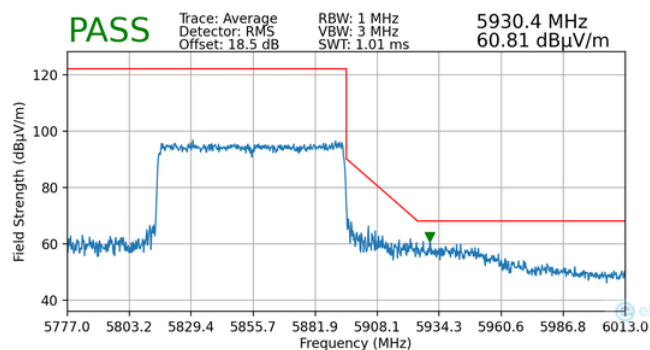
FCC ID: A3LSMS928JPN	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2312110124-09.A3L	Test Dates: 9/6/2023 – 11/06/2023	EUT Type: Portable Handset	Page 158 of 166

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

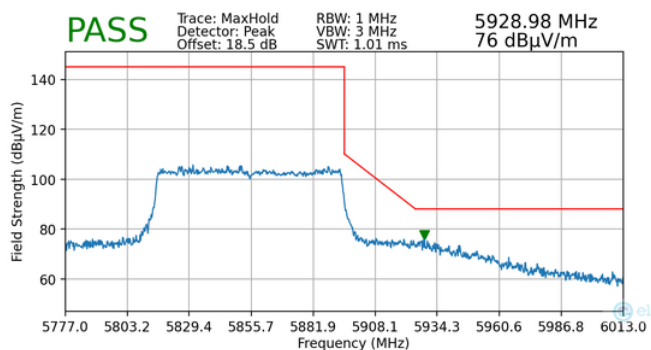


**Plot 7-206. Radiated Lower Band Edge Plot MIMO (Peak - UNII Band 4 - 996 Tones)**

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



**Plot 7-207. Radiated Upper Band Edge Plot MIMO (Average - UNII Band 4 - 996 Tones)**

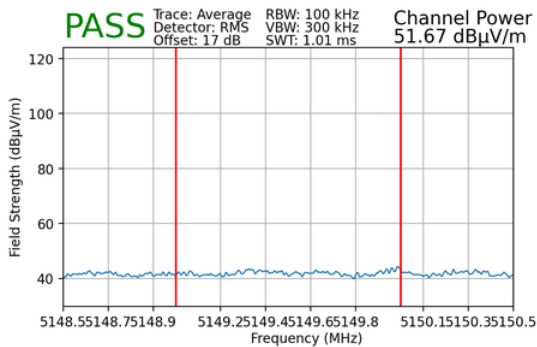


**Plot 7-208. Radiated Upper Band Edge Plot MIMO (Peak - UNII Band 4 - 996 Tones)**

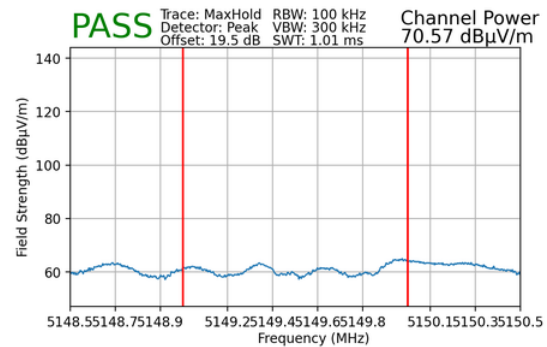
FCC ID: A3LSMS928JPN	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2312110124-09.A3L	Test Dates: 9/6/2023 – 11/06/2023	EUT Type: Portable Handset	Page 159 of 166

## 7.6.8 MIMO Radiated Band Edge Measurements (160MHz BW – Partial Tones – 996 + 484T)

Worst Case Mode:	802.11be
Worst Case Transfer Rate:	MCS0
RU Index:	95
Distance of Measurements:	3 Meters
Operating Frequency:	5250MHz
Channel:	50

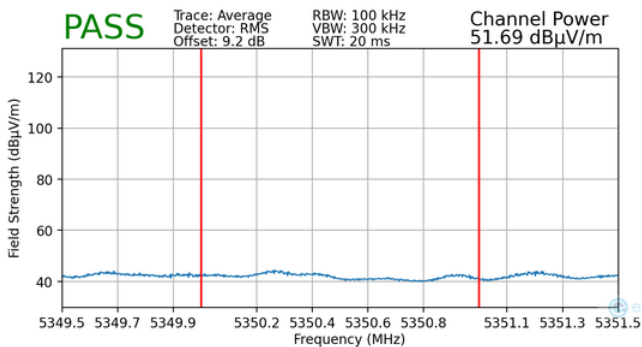


**Plot 7-209. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1 – 996+484 Tones)**

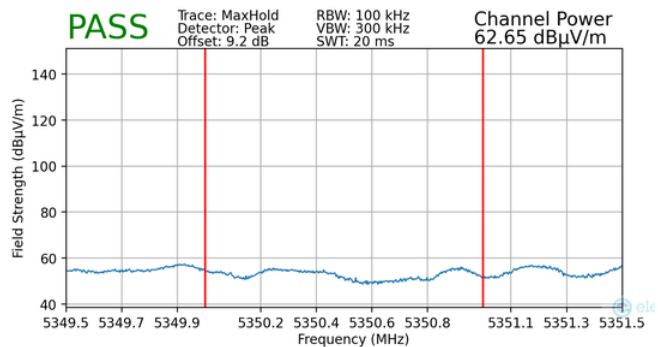


**Plot 7-210. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1 – 996+484 Tones)**

Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
RU Index:	95
Distance of Measurements:	3 Meters
Operating Frequency:	5250MHz
Channel:	50



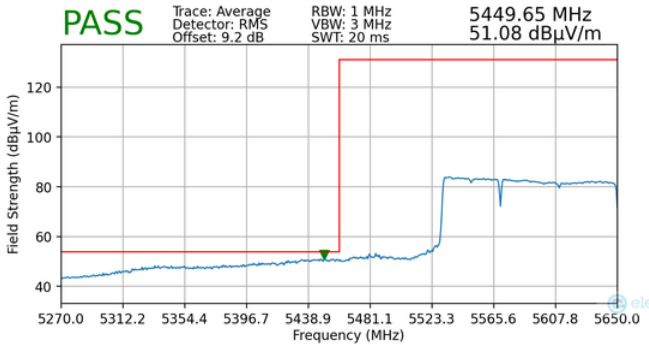
**Plot 7-211. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A – 996+484 Tones)**



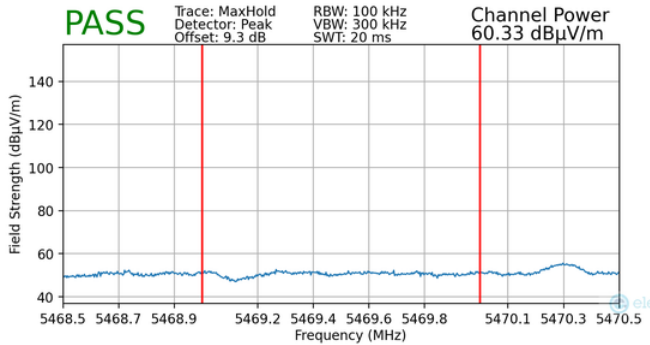
**Plot 7-212. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A – 996+484 Tones)**

FCC ID: A3LSMS928JPN	MEASUREMENT REPORT		Approved by: Technical Manager
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Worst Case Mode:	802.11be
Worst Case Transfer Rate:	MCS0
RU Index:	94
Distance of Measurements:	3 Meters
Operating Frequency:	5570MHz
Channel:	114



**Plot 7-213. Radiated Lower Band Edge Plot MIMO  
(Average – UNII Band 2C – 996+484 Tones)**

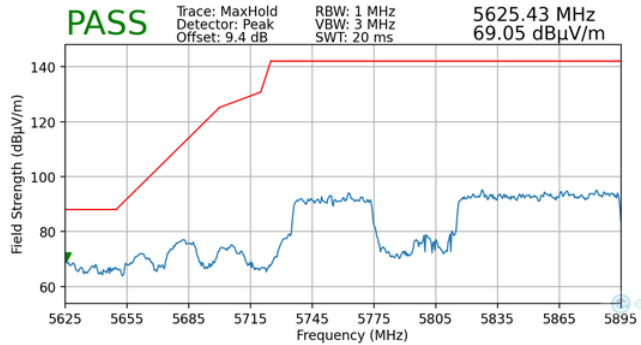


**Plot 7-214. Radiated Lower Band Edge Plot MIMO  
(Peak – UNII Band 2C – 996+484 Tones)**

FCC ID: A3LSMS928JPN	MEASUREMENT REPORT		Approved by: Technical Manager
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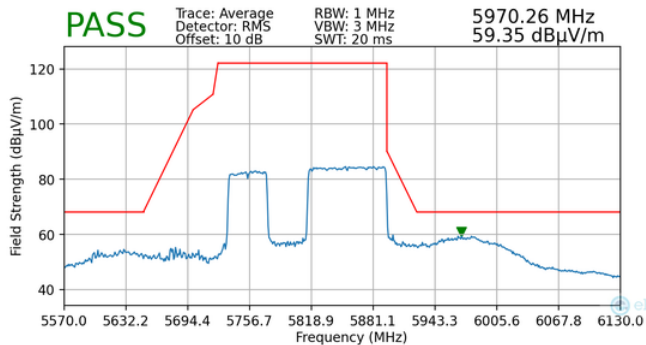


Worst Case Mode: 802.11ax  
 Worst Case Transfer Rate: MCS0  
 RU Index: 95  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5815MHz  
 Channel: 163

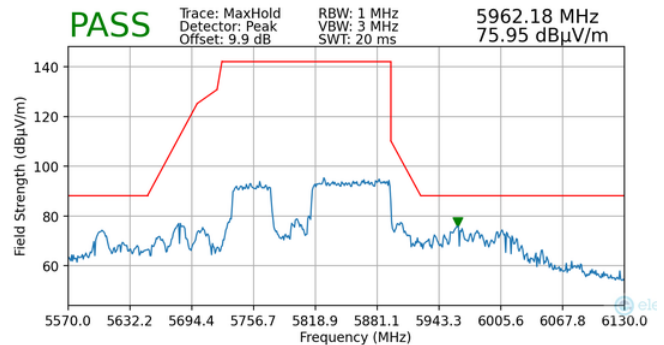


**Plot 7-215. Radiated Lower Band Edge Plot MIMO (Peak - UNII Band 4 - 996+484 Tones)**

Worst Case Mode: 802.11ax  
 Worst Case Transfer Rate: MCS0  
 RU Index: 95  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5815MHz  
 Channel: 163



**Plot 7-216. Radiated Upper Band Edge Plot MIMO (Average - UNII Band 4 - 996+484 Tones)**

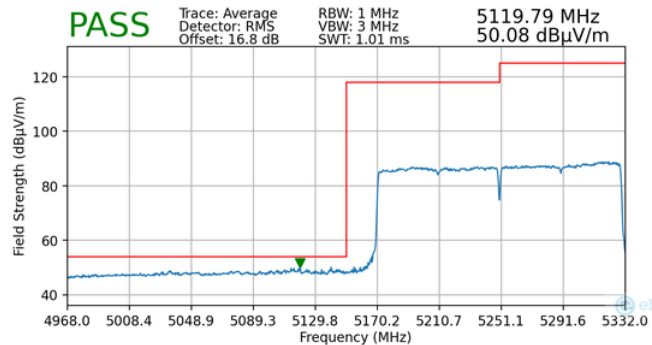


**Plot 7-217. Radiated Upper Band Edge Plot MIMO (Peak - UNII Band 4 - 996+484 Tones)**

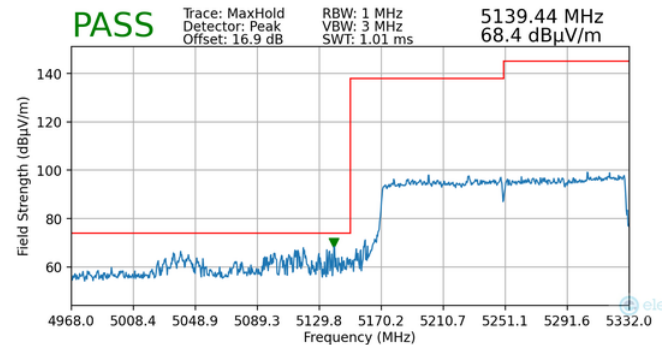
FCC ID: A3LSMS928JPN	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2312110124-09.A3L	Test Dates: 9/6/2023 – 11/06/2023	EUT Type: Portable Handset	Page 162 of 166

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

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

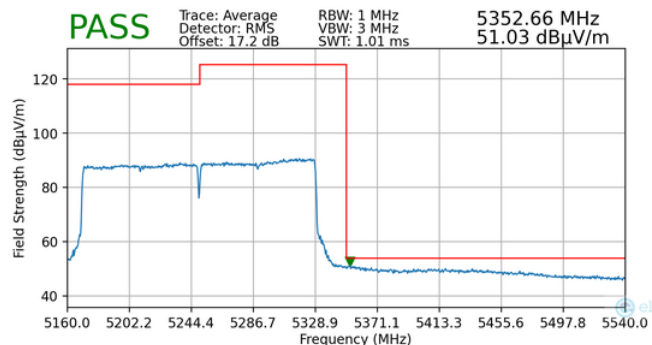


**Plot 7-218. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1 – 2x996 Tones)**

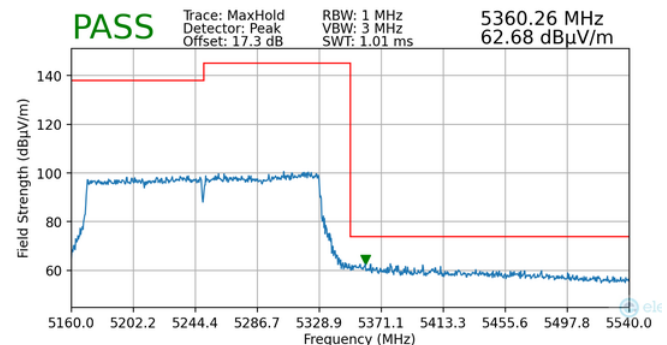


**Plot 7-219. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1 – 2x996 Tones)**

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



**Plot 7-220. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A – 2x996 Tones)**

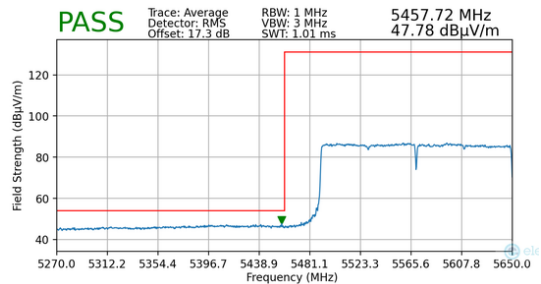


**Plot 7-221. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A – 2x996 Tones)**

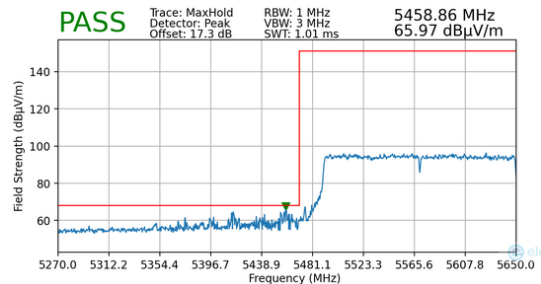
FCC ID: A3LSMS928JPN	MEASUREMENT REPORT		Approved by: Technical Manager
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Worst Case Mode:	802.11be
Worst Case Transfer Rate:	MCS0
RU Index:	67
Distance of Measurements:	3 Meters
Operating Frequency:	5570MHz
Channel:	114



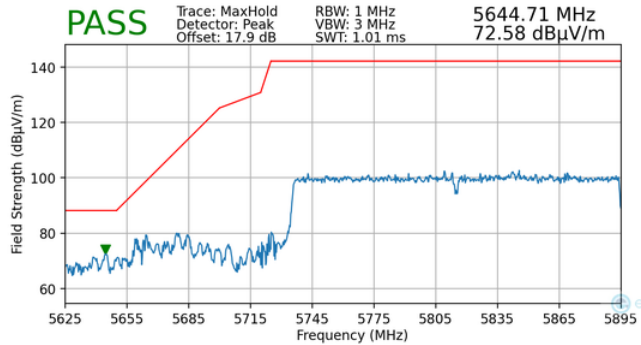
Plot 7-222. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C – 2x996 Tones)



Plot 7-223. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 2C – 2x996 Tones)

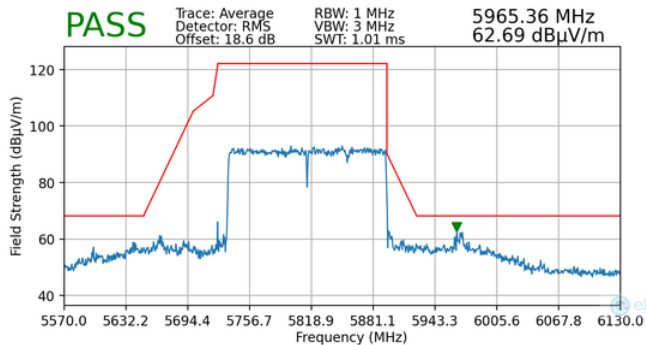
FCC ID: A3LSMS928JPN	MEASUREMENT REPORT		Approved by: Technical Manager
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Worst Case Mode: 802.11ax  
 Worst Case Transfer Rate: MCS0  
 RU Index: 67  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5815MHz  
 Channel: 163

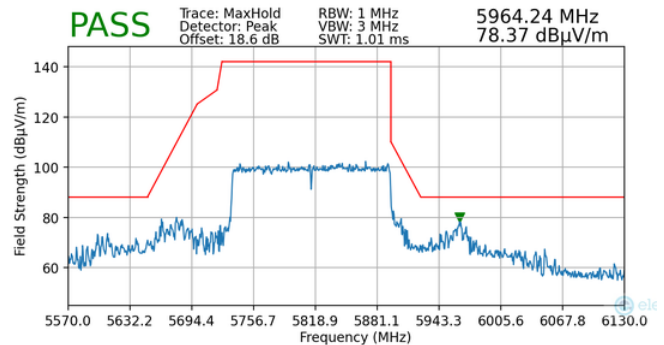


**Plot 7-224. Radiated Lower Band Edge Plot MIMO  
(Peak - UNII Band 4 - 2x996 Tones)**

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



**Plot 7-225. Radiated Upper Band Edge Plot MIMO  
(Average - UNII Band 4 - 2x996 Tones)**



**Plot 7-226. Radiated Upper Band Edge Plot MIMO  
(Peak - UNII Band 4 - 2x996 Tones)**

FCC ID: A3LSMS928JPN	MEASUREMENT REPORT		Approved by: Technical Manager
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## 8.0 CONCLUSION

The data collected relate only the item(s) tested and show that the **Samsung Portable Handset FCC: A3LSMS928JPN** is in compliance with FCC Part Subpart E (15.407) of the FCC rules.

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