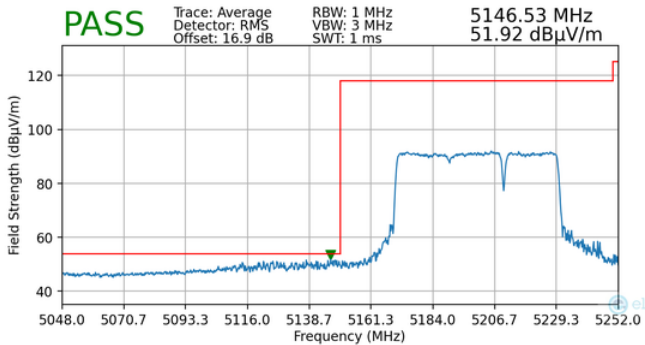
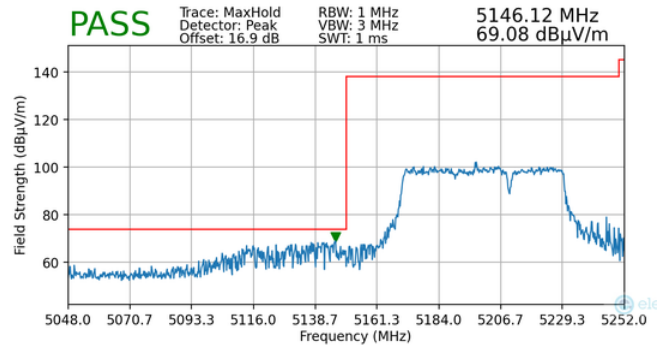


7.6.6 MIMO Radiated Band Edge Measurements (80MHz BW – Partial Tones – 484 + 242T)

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

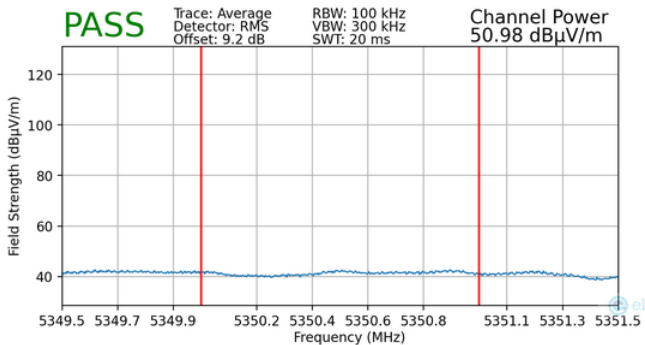


Plot 7-189. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1 – 484 + 242 Tones)

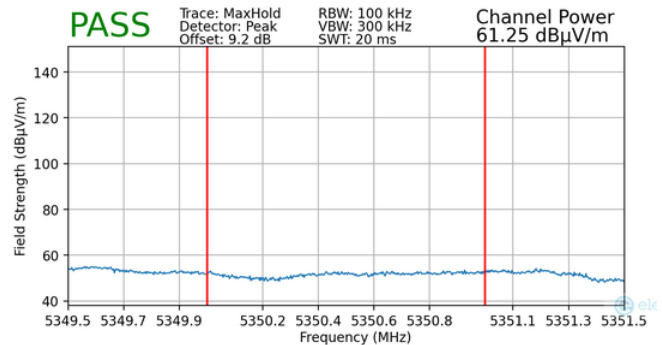


Plot 7-190. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1 – 484 + 242 Tones)

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)

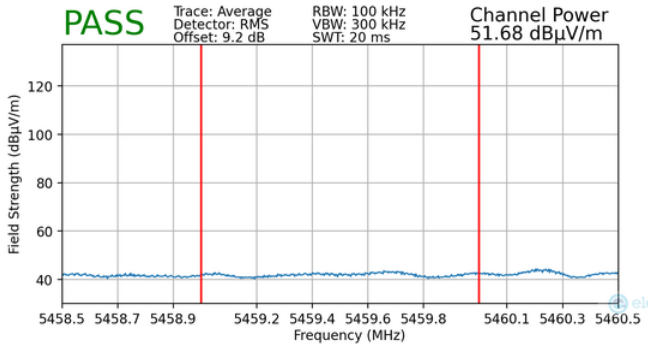


Plot 7-192. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A – 484 + 242 Tones)

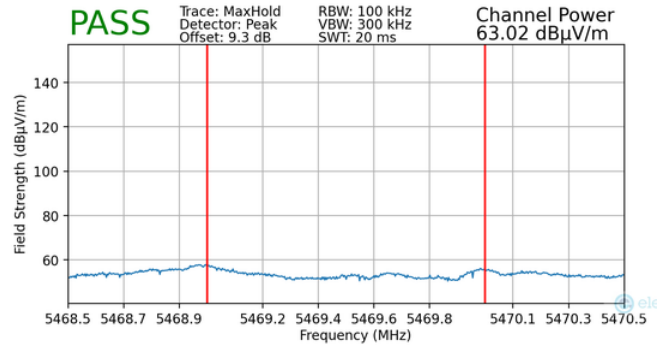
FCC ID: A3LSMS928U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2308210092-16.A3L	Test Dates: 9/6/2023 – 11/06/2023	EUT Type: Portable Handset	Page 153 of 165



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

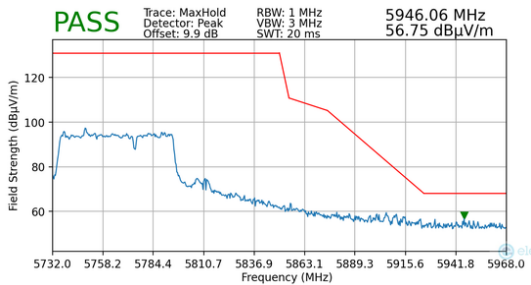


Plot 7-193. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C – 484 + 242 Tones)



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

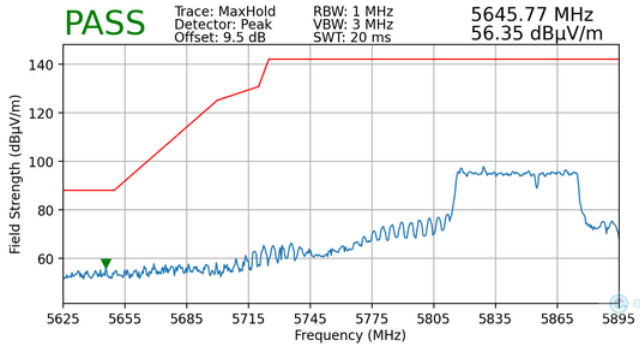


Plot 7-195. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 3 – 484 + 242 Tones)

FCC ID: A3LSMS928U	MEASUREMENT REPORT		Approved by: Technical Manager
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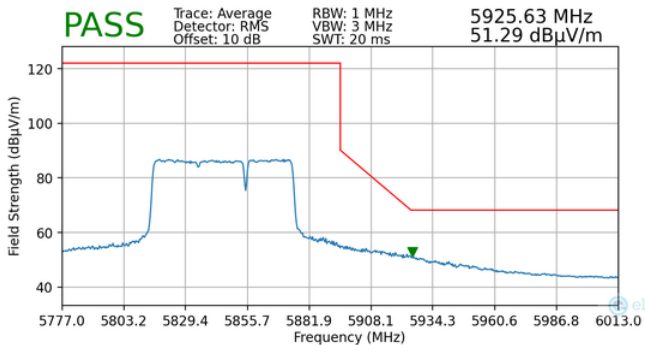


Worst Case Mode: 802.11be
 Worst Case Transfer Rate: MCS0
 RU Index: 93
 Distance of Measurements: 3 Meters
 Operating Frequency: 5855MHz
 Channel: 171

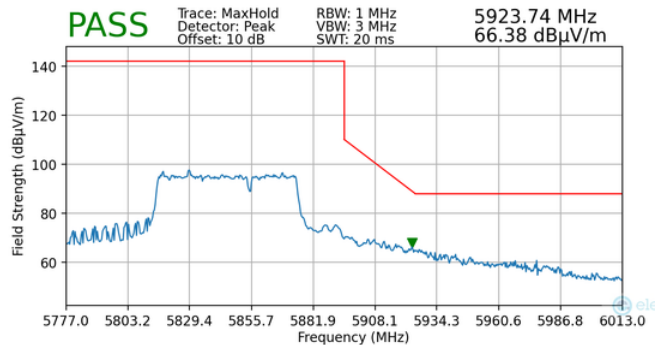


Plot 7-196. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 4 – 484 + 242 Tones)

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)

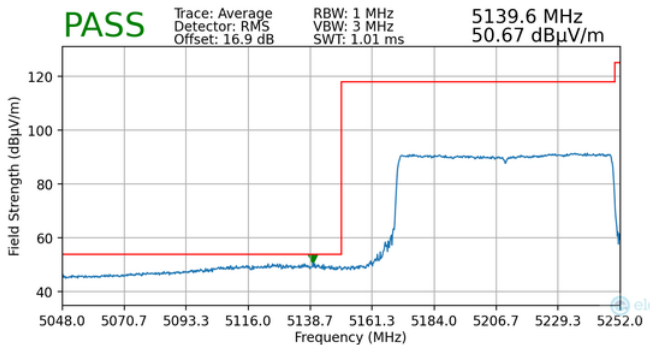


Plot 7-198. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 4 – 484 + 242 Tones)

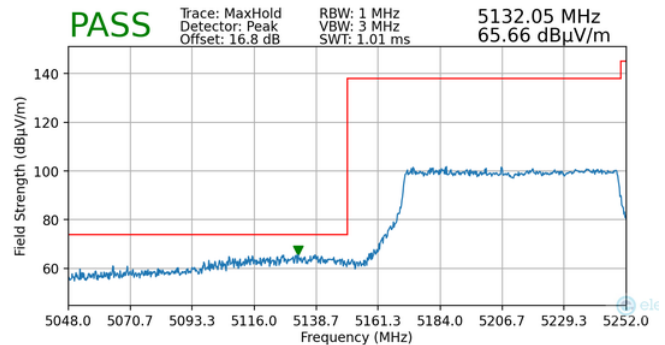
FCC ID: A3LSMS928U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2308210092-16.A3L	Test Dates: 9/6/2023 – 11/06/2023	EUT Type: Portable Handset	Page 155 of 165

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

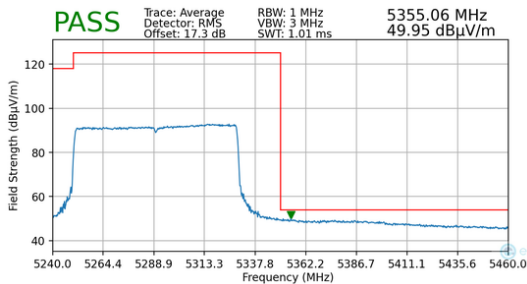


Plot 7-199. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1 – 996 Tones)

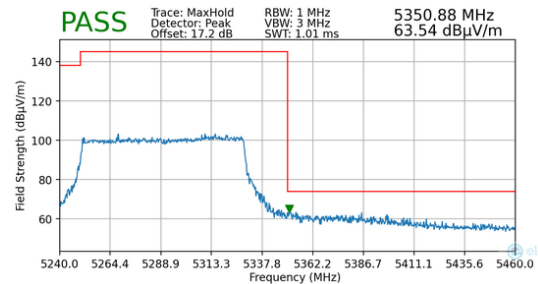


Plot 7-200. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1 – 996 Tones)

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



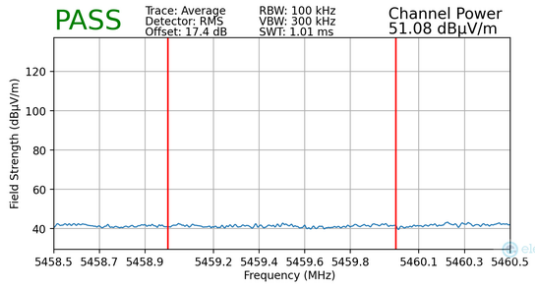
Plot 7-201. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A – 996 Tones)



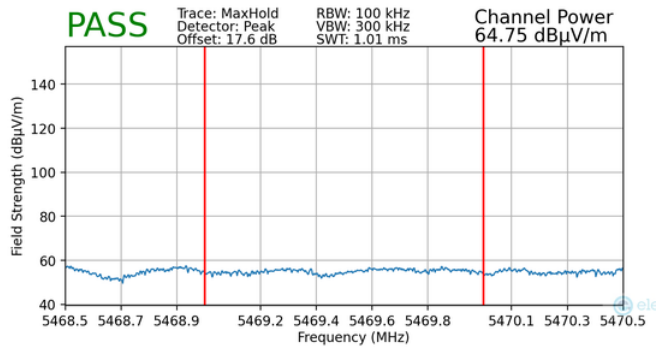
Plot 7-202. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A – 996 Tones)

FCC ID: A3LSMS928U	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: 5530MHz
 Channel: 106

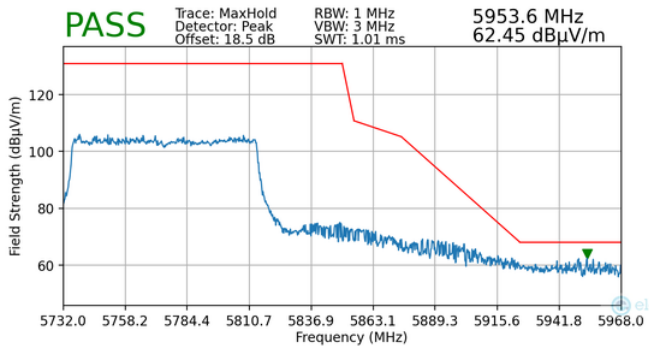


Plot 7-203. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C – 996 Tones)



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

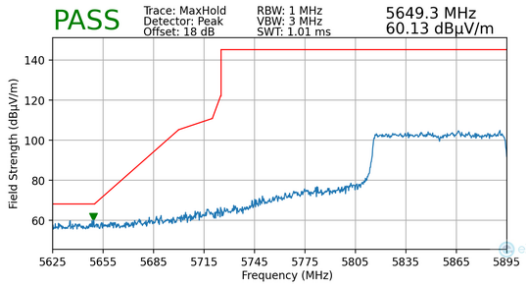


Plot 7-205. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 3 – 996 Tones)

FCC ID: A3LSMS928U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2308210092-16.A3L	Test Dates: 9/6/2023 – 11/06/2023	EUT Type: Portable Handset	Page 157 of 165

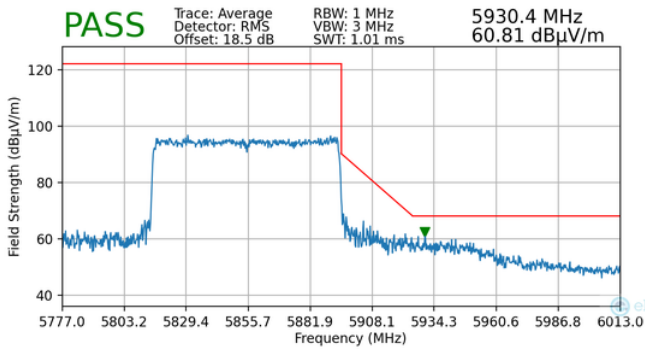


Worst Case Mode: 802.11be
 Worst Case Transfer Rate: MCS0
 RU Index: 67
 Distance of Measurements: 3 Meters
 Operating Frequency: 5855MHz
 Channel: 171

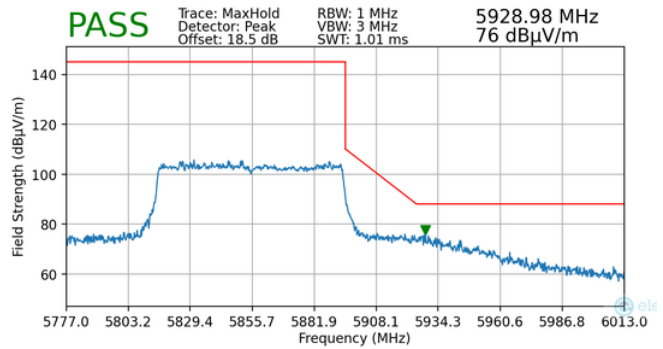


Plot 7-206. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 4 – 996 Tones)

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)

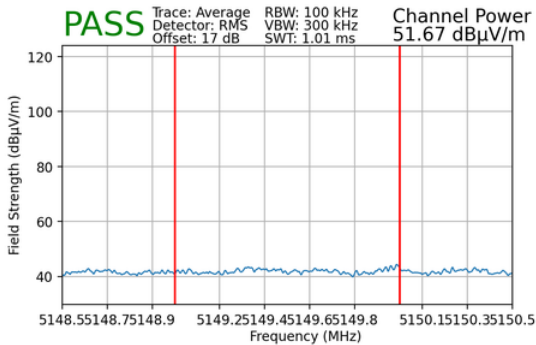


Plot 7-208. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 4 – 996 Tones)

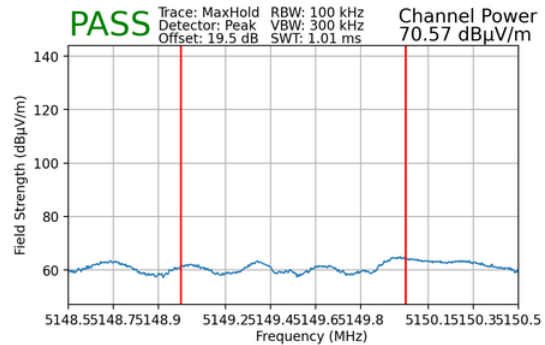
FCC ID: A3LSMS928U	MEASUREMENT REPORT		Approved by: Technical Manager
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7.6.8 MIMO Radiated Band Edge Measurements (160MHz BW – Partial Tones – 996 + 484T)

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

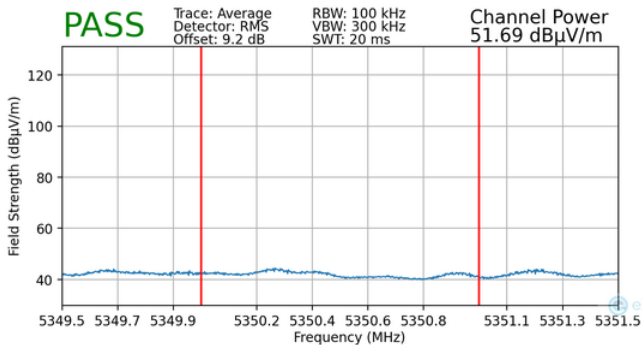


Plot 7-209. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1 – 996+484 Tones)

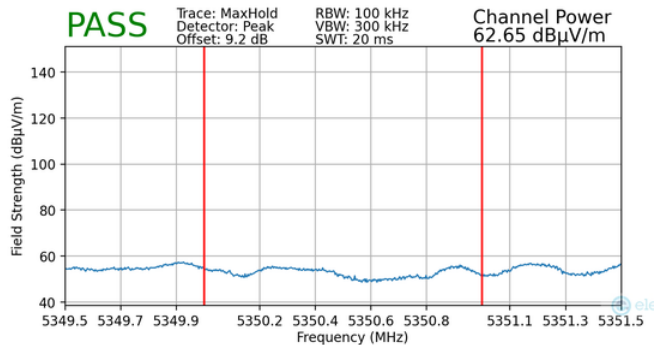


Plot 7-210. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1 – 996+484 Tones)

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)

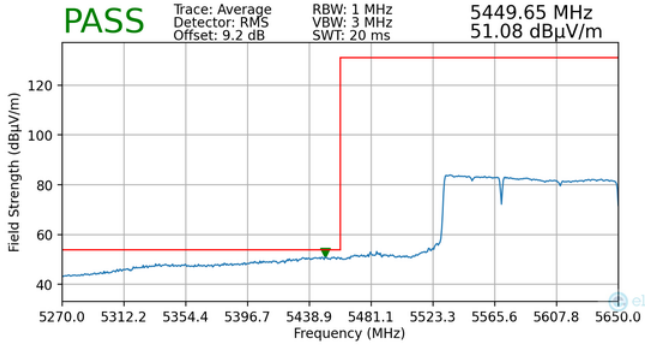


Plot 7-212. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A – 996+484 Tones)

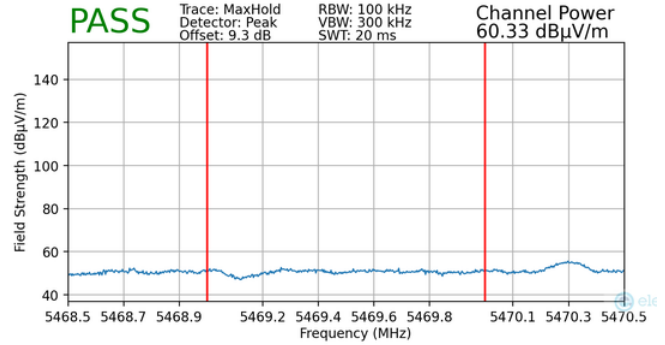
FCC ID: A3LSMS928U	MEASUREMENT REPORT		Approved by: Technical Manager
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Worst Case Mode: 802.11be
 Worst Case Transfer Rate: MCS0
 RU Index: 94
 Distance of Measurements: 3 Meters
 Operating Frequency: 5570MHz
 Channel: 114



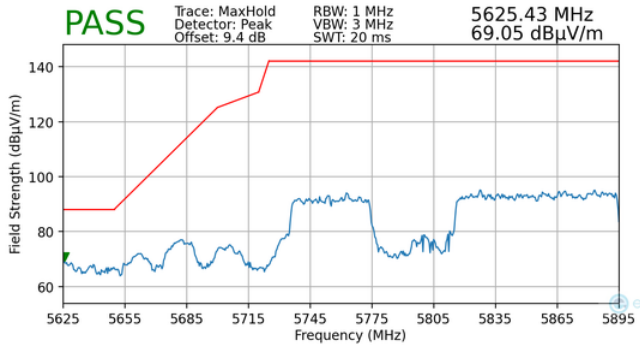
Plot 7-213. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C – 996+484 Tones)



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

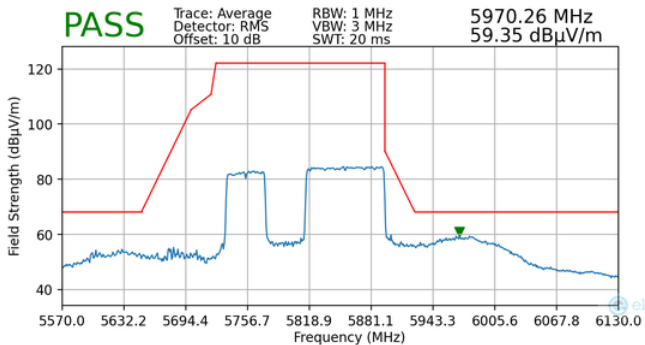
FCC ID: A3LSMS928U	MEASUREMENT REPORT		Approved by: Technical Manager
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Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS0
 RU Index: 95
 Distance of Measurements: 3 Meters
 Operating Frequency: 5815MHz
 Channel: 163

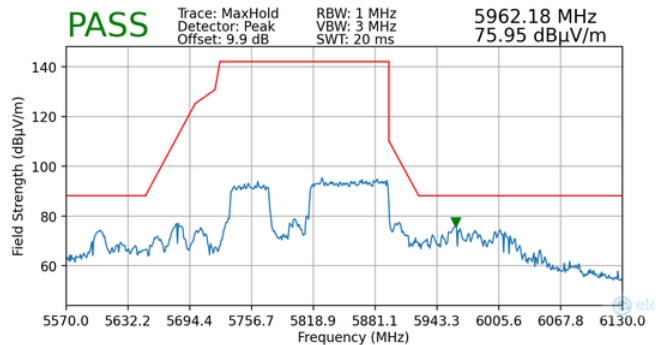


Plot 7-215. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 4 – 996+484 Tones)

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)

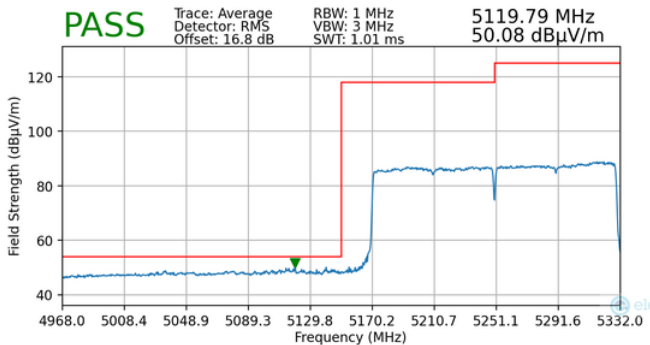


Plot 7-217. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 4 – 996+484 Tones)

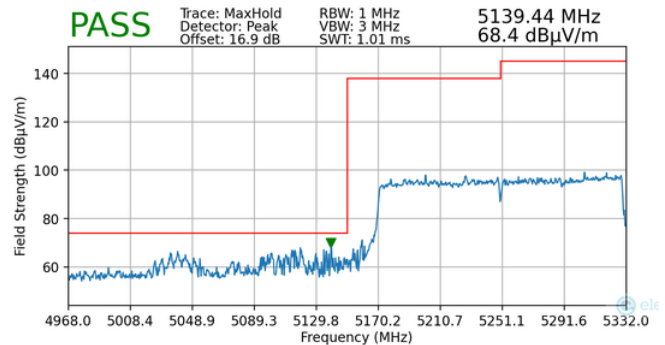
FCC ID: A3LSMS928U	MEASUREMENT REPORT		Approved by: Technical Manager
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7.6.9 MIMO Radiated Band Edge Measurements (160MHz BW – Full Tone – 2x996T)

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

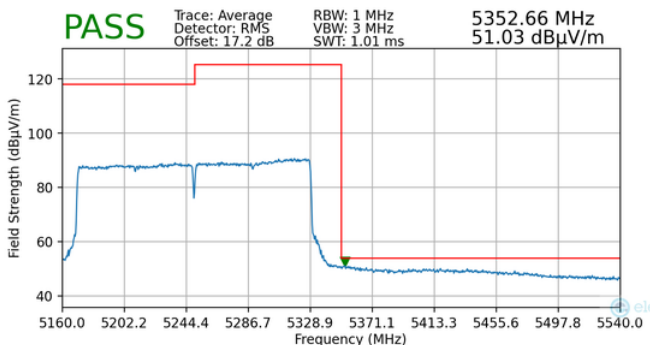


Plot 7-218. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1 – 2x996 Tones)

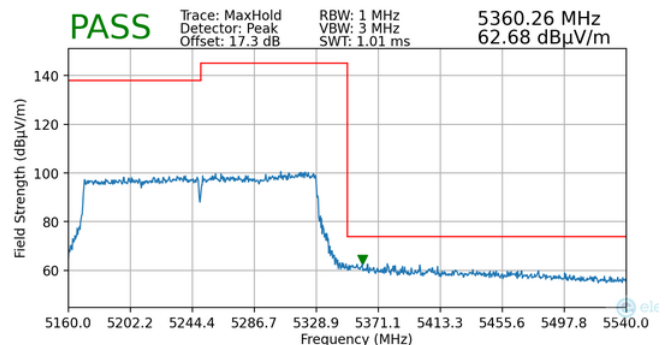


Plot 7-219. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1 – 2x996 Tones)

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)

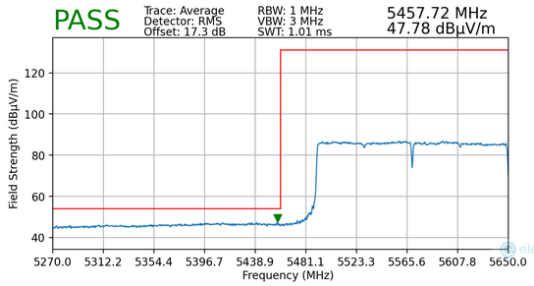


Plot 7-221. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A – 2x996 Tones)

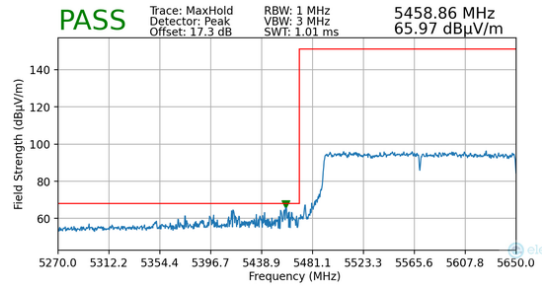
FCC ID: A3LSMS928U	MEASUREMENT REPORT		Approved by: Technical Manager
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Worst Case Mode: 802.11be
 Worst Case Transfer Rate: MCS0
 RU Index: 67
 Distance of Measurements: 3 Meters
 Operating Frequency: 5570MHz
 Channel: 114



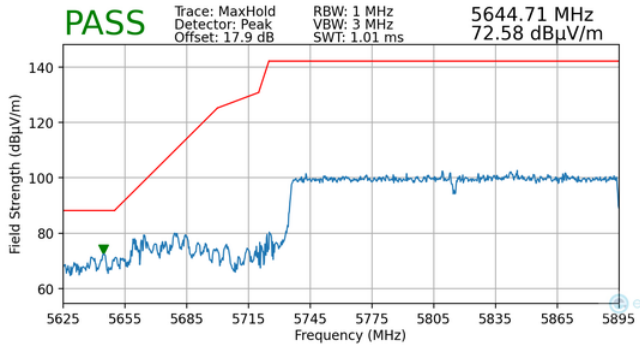
Plot 7-222. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C – 2x996 Tones)



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

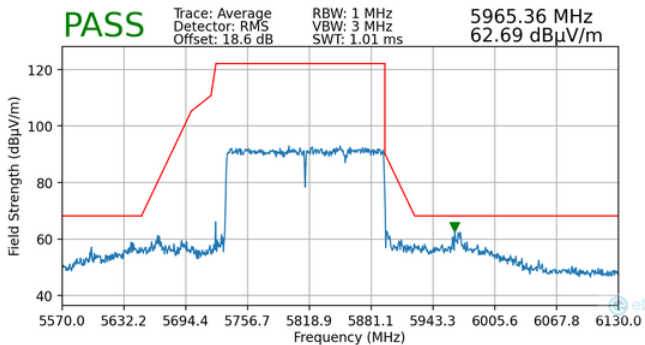
FCC ID: A3LSMS928U	MEASUREMENT REPORT		Approved by: Technical Manager
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Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS0
 RU Index: 67
 Distance of Measurements: 3 Meters
 Operating Frequency: 5815MHz
 Channel: 163

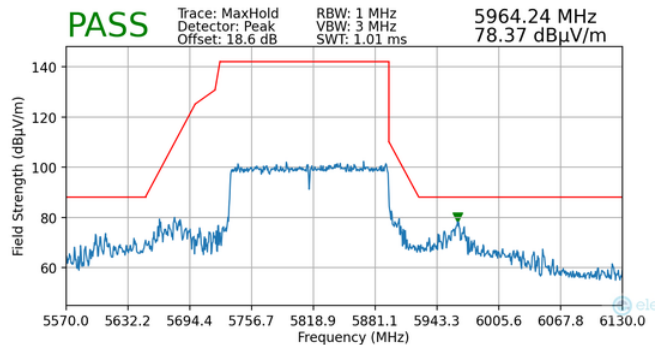


Plot 7-224. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 4 – 2x996 Tones)

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)

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8.0 CONCLUSION

The data collected relate only the item(s) tested and show that the **Samsung Portable Handset FCC: A3LSMS928U** is in compliance with FCC Part Subpart E (15.407) of the FCC rules.

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