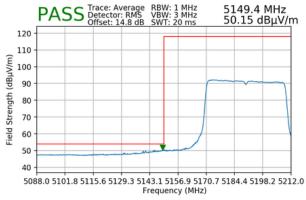


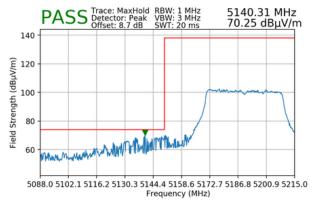
7.6.5 MIMO Radiated Band Edge Measurements (40MHz BW – Full Tone – 484T)

Worst Case Mode:
Worst Case Transfer Rate:
RU Index:
Distance of Measurements:
Operating Frequency:
Channel:

802.11ax
MCS0
65
3 Meters
5190MHz
38



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



Plot 7-191. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1 – 484 Tones)

Worst Case Mode:

Worst Case Transfer Rate:

RU Index:

Distance of Measurements:

Operating Frequency:

Channel:

802.11ax

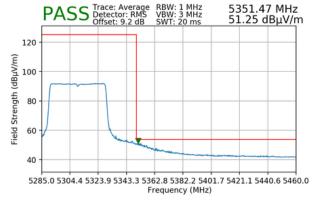
MCS0

65

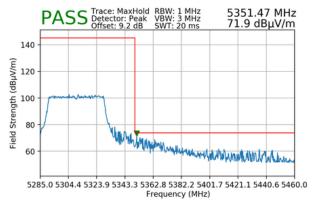
3 Meters

5310MHz

62



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



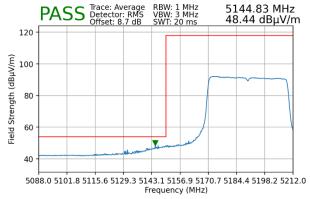
Plot 7-193. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A – 484 Tones)

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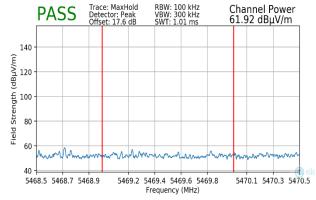


Worst Case Mode:
Worst Case Transfer Rate:
RU Index:
Distance of Measurements:
Operating Frequency:
Channel:

802.11ax
MCS0
65
3 Meters
5510MHz
102



Plot 7-194. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C – 484 Tones)



Plot 7-195. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 2C – 484 Tones)

Worst Case Mode:

Worst Case Transfer Rate:

RU Index:

Distance of Measurements:

Operating Frequency:

Channel:

802.11ax

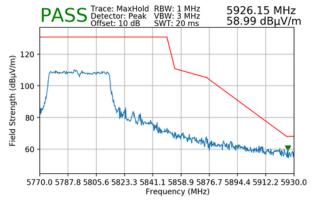
MCS0

65

3 Meters

5795MHz

159



Plot 7-196. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 3 – 484 Tones)

FCC ID: A3LSMF731JPN		Approved by: Technical Manager	
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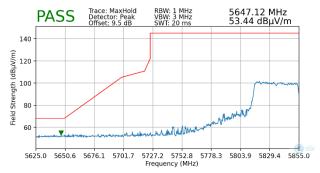


Operating Frequency:

Channel:

Worst Case Mode: 802.11ax
Worst Case Transfer Rate: MCS0
RU Index: 65
Distance of Measurements: 3 Meters

MCS0 65 3 Meters 5835MHz 167



Plot 7-197. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 4 – 484 Tones)

Worst Case Mode: Worst Case Transfer Rate:

MCS0 65

RU Index: Distance of Measurements:

3 Meters

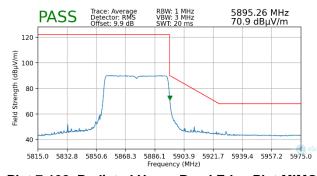
802.11ax

Operating Frequency:

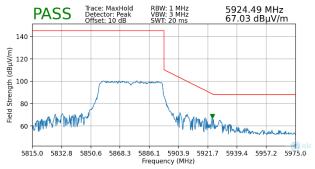
5875MHz

Channel:

175



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



Plot 7-199. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 4 – 484 Tones)

FCC ID: A3LSMF731JPN		Approved by: Technical Manager	
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7.6.6 MIMO Radiated Band Edge Measurements (80MHz BW – Full Tone – 996T)

Worst Case Mode:

Worst Case Transfer Rate:

RU Index:

Distance of Measurements:

Operating Frequency:

Channel:

802.11ax

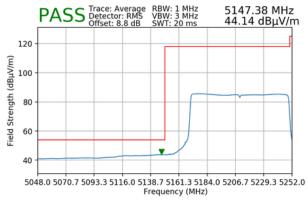
MCS0

67

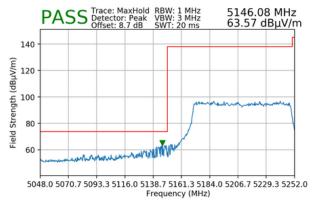
3 Meters

5210MHz

42

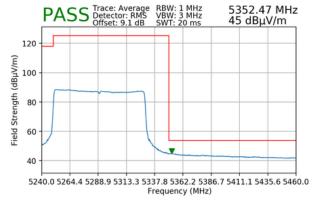


Plot 7-200. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1 – 996 Tones)

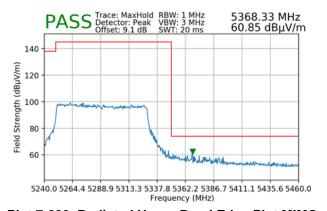


Plot 7-201. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1 – 996 Tones)

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



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



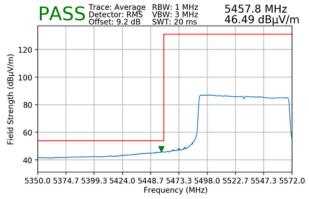
Plot 7-203. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A – 996 Tones)

FCC ID: A3LSMF731JPN		Approved by: Technical Manager	
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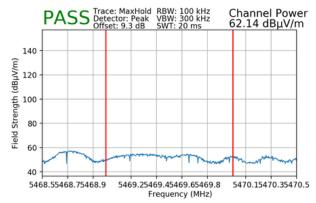


Worst Case Mode:
Worst Case Transfer Rate:
RU Index:
Distance of Measurements:
Operating Frequency:
Channel:

802.11ax
MCS0
67
3 Meters
5530MHz
106

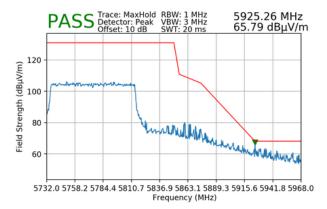


Plot 7-204. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C – 996 Tones)



Plot 7-205. 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

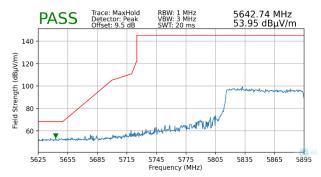


Plot 7-206. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 3 – 996 Tones)

FCC ID: A3LSMF731JPN		Approved by: Technical Manager	
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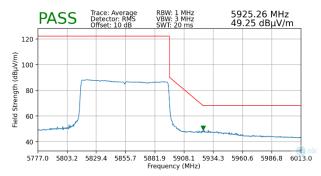
Worst Case Mode: 802.11ax
Worst Case Transfer Rate: MCS0
RU Index: 67
Distance of Measurements: 3 Meters
Operating Frequency: 5855MHz
Channel: 171



Plot 7-207. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 4 – 996 Tones)

Worst Case Mode:
Worst Case Transfer Rate:
RU Index:
Distance of Measurements:
Operating Frequency:
Channel:

802.11ax
MCS0
67
3 Meters
5855MHz
171



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

	PAS	S	race: Max Detector: F Offset: 9.9	eak	RBW: VBW: SWT:	3 M	Hz		40.01 .98 dB		
140	-										
(m//mg 120	-					+					
Field Strength (dBµV/m)	-	Lun		,	mmy						
ield Str	newhite	لمم			1	\		Mua			
60	MA/MOT					7/1	Millian J. Mil. W	AN PANAMET AND	Myrama	mredun	
57	777.0 580	3.2 58	29.4 585		1 31.9 equen	5908 cy (N		4.3 596	0.6 598		el€ .0

Plot 7-209. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 4 – 996 Tones)

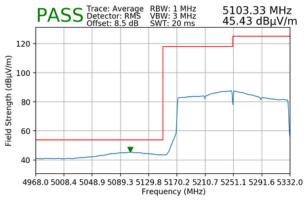
FCC ID: A3LSMF731JPN		Approved by: Technical Manager	
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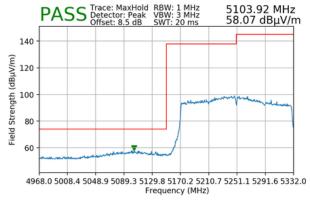
7.6.7 MIMO Radiated Band Edge Measurements (160MHz BW - Full Tone - 2x996T)

Worst Case Mode:
Worst Case Transfer Rate:
RU Index:
Distance of Measurements:
Operating Frequency:
Channel:

802.11ax
MCS0
67
3 Meters
5250MHz
50

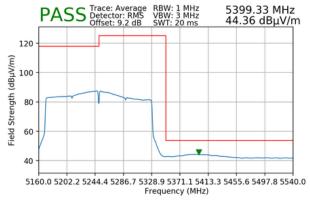


Plot 7-210. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1 – 2x996 Tones)

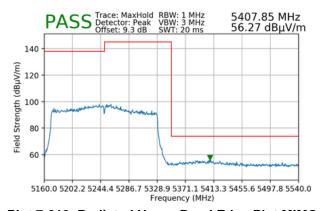


Plot 7-211. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1 – 2x996 Tones)

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



Plot 7-212. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A – 2x996 Tones)



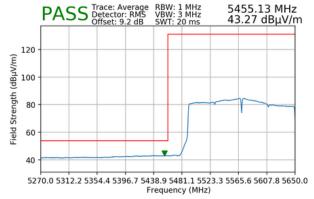
Plot 7-213. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A – 2x996 Tones)

FCC ID: A3LSMF731JPN		Approved by: Technical Manager	
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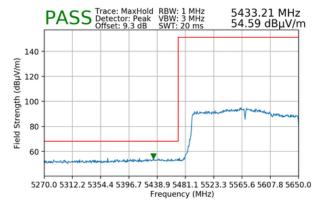


Worst Case Mode:
Worst Case Transfer Rate:
RU Index:
Distance of Measurements:
Operating Frequency:
Channel:

802.11ax
MCS0
67
3 Meters
5570MHz
114



Plot 7-214. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C – 2x996 Tones)



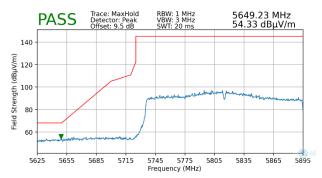
Plot 7-215. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 2C – 2x996 Tones)

FCC ID: A3LSMF731JPN		Approved by: Technical Manager	
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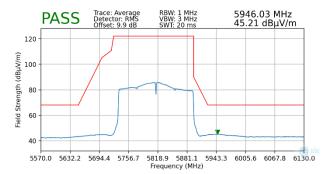
Worst Case Mode: 802.11ax MCS0 Worst Case Transfer Rate: RU Index: 67 Distance of Measurements: 3 Meters Operating Frequency: 5815MHz Channel:

163

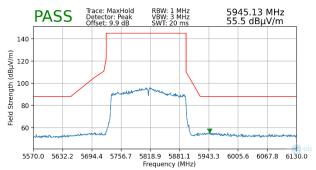


Plot 7-216. Radiated Lower Band Edge Plot MIMO (Peak - UNII Band 4 - 2x996 Tones)

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



Plot 7-217. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 4 – 2x996 Tones)



Plot 7-218. Radiated Upper Band Edge Plot MIMO (Peak - UNII Band 4 - 2x996 Tones)

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CONCLUSION

The data collected relate only the item(s) tested and show that the Samsung Portable Handset FCC ID: A3LSMF731JPN is in compliance with FCC Part Subpart E (15.407) of the FCC rules.

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