

7.6.4 MIMO Radiated Band Edge Measurements (80MHz BW) §15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

996 Tones

Worst Case Mode:

Worst Case Transfer Rate:

RU Index:

Distance of Measurements:

Operating Frequency:

Channel:

802.11ax

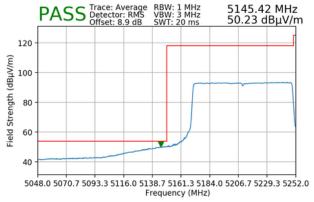
MCS0

67

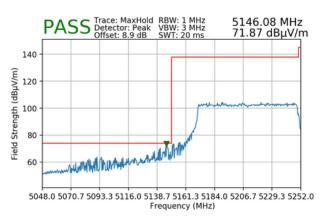
3 Meters

5210MHz

42



Plot 7-348. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1 – 996 Tones)



Plot 7-349. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1 – 996 Tones)

Worst Case Mode:

Worst Case Transfer Rate:

RU Index:

Distance of Measurements:

Operating Frequency:

Channel:

802.11ax

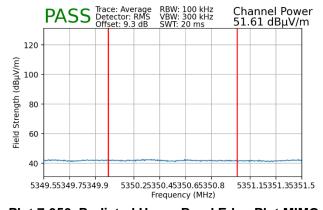
MCS0

67

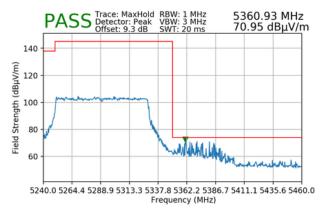
3 Meters

5290MHz

58



Plot 7-350. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A – 996 Tones)



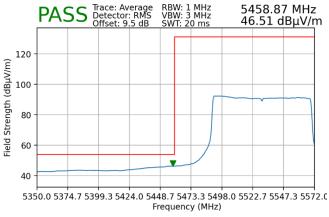
Plot 7-351. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A – 996 Tones)

FCC ID: A3LSMS916U	element	element MEASUREMENT REPORT (CERTIFICATION)	
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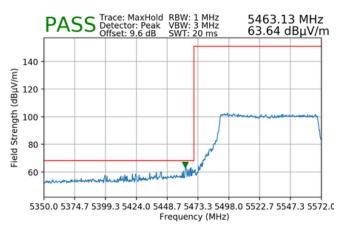


Worst Case Mode:
Worst Case Transfer Rate:
RU Index:
Distance of Measurements:
Operating Frequency:
Channel:

802.11ax
MCS0
67
3 Meters
5530MHz
106



Plot 7-352. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C – 996 Tones)



Plot 7-353. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 2C – 996 Tones)

Worst Case Mode:

Worst Case Transfer Rate:

RU Index:

Distance of Measurements:

Operating Frequency:

Channel:

802.11ax

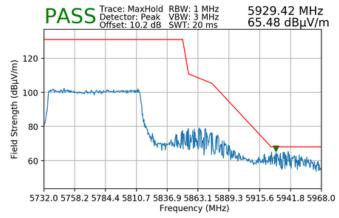
MCS0

67

3 Meters

5775MHz

155



Plot 7-354. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 3 – 996 Tones)

FCC ID: A3LSMS916U	element	element MEASUREMENT REPORT (CERTIFICATION)	
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Worst Case Mode:

Worst Case Transfer Rate:

RU Index:

Distance of Measurements:

Operating Frequency:

Channel:

802.11ax

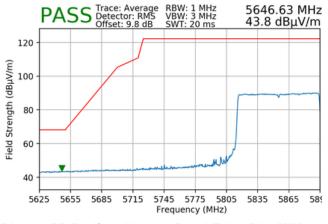
MCS0

67

3 Meters

5855MHz

171



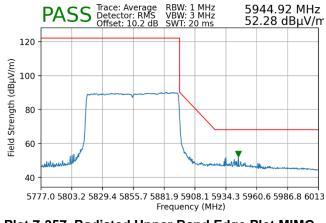
PASS Trace: MaxHold RBW: 1 MHz Detector: Peak Offset: 9.8 dB SWT: 20 ms 5650.1 MHz 58.61 dBµV/r 120 70 60 50 5655 5685 5715 5805 5865 5625 5745 5775 5835 Frequency (MHz)

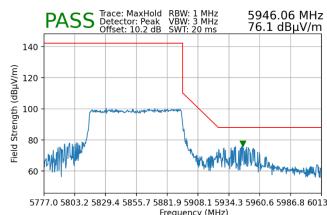
Plot 7-355. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 4 – 996 Tones)

Plot 7-356. 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 7-357. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 4 – 996 Tones)

Plot 7-358. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 4 – 996 Tones)

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7.6.5 MIMO Radiated Band Edge Measurements (160MHz BW) §15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

996 Tones

Worst Case Mode:

Worst Case Transfer Rate:

RU Index:

Distance of Measurements:

Operating Frequency:

Channel:

802.11ax

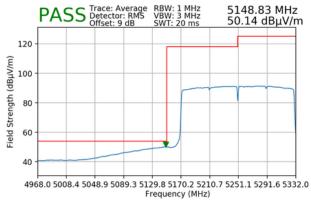
MCS0

67

3 Meters

5250MHz

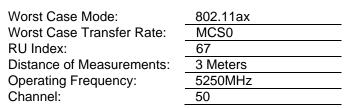
50

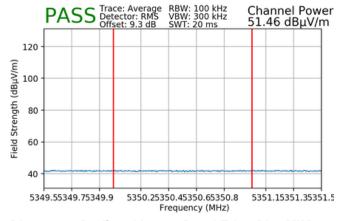


Plot 7-359. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1/2A – 996 Tones)

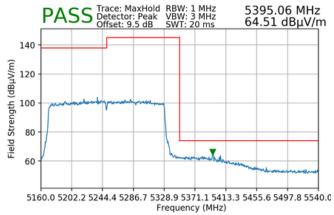
PASS Trace: MaxHold RBW: 1 MHz S149.42 MHz 61.79 dBμV/m 61.79 dBμV/m

Plot 7-360. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1/2A – 996 Tones)





Plot 7-361. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1/2A – 996 Tones)



Plot 7-362. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1/2A – 996 Tones)

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Worst Case Mode: Worst Case Transfer Rate:

RU Index:

Distance of Measurements: Operating Frequency:

PASS Trace: Average Detector: RMS Offset: 9.4 dB

Channel:

120

100

80

60

40

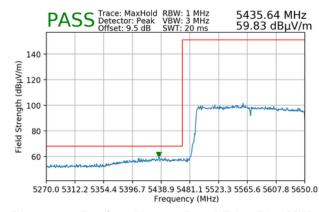
Field Strength (dBµV/m)

802.11ax	
MCS0	
67	
3 Meters	
5570MHz	

5438.69 MHz 47.8 dBµV/m

114

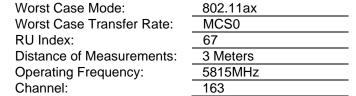
RBW: 1 MHz VBW: 3 MHz SWT: 20 ms

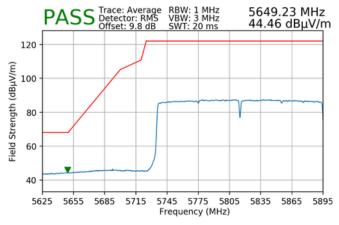


Plot 7-363. Radiated Lower Band Edge Plot MIMO (Average - UNII Band 2C - 996 Tones)

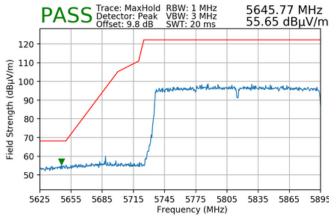
5270.0 5312.2 5354.4 5396.7 5438.9 5481.1 5523.3 5565.6 5607.8 5650.0

Plot 7-364. Radiated Lower Band Edge Plot MIMO (Peak - UNII Band 2C - 996 Tones)





Plot 7-365. Radiated Lower Band Edge Plot MIMO (Average - UNII Band 4 - 996 Tones)



Plot 7-366. Radiated Lower Band Edge Plot MIMO (Peak - UNII Band 4 - 996 Tones)

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Worst Case Transfer Rate:

RU Index:

Distance of Measurements:

Operating Frequency:

Channel:

802.11ax

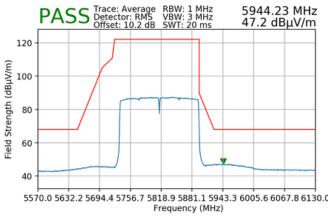
MCS0

67

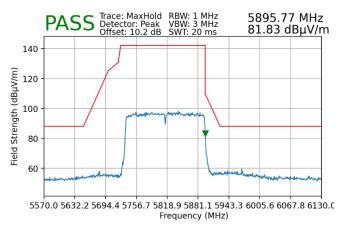
3 Meters

5815MHz

163



Plot 7-367. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 4 – 996 Tones)



Plot 7-368. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 4 – 996 Tones)

FCC ID: A3LSMS916U	element MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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CONCLUSION

The data collected relate only the item(s) tested and show that the Samsung Portable Handset FCC ID: A3LSMS916U is in compliance with Part 15 Subpart E (15.407) of the FCC Rules.

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