

Worst Case Mode:

Worst Case Transfer Rate:

RU Index:

Distance of Measurements:

Operating Frequency:

Channel:

802.11ax

MCS0

53

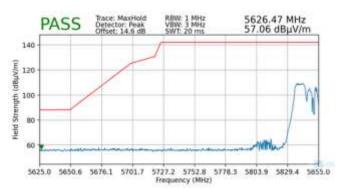
3 Meters

5845MHz

169



Plot 7-322. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 4 – 106 Tones)



Plot 7-323. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 4 – 106 Tones)

Worst Case Mode:

Worst Case Transfer Rate:

RU Index:

Distance of Measurements:

Operating Frequency:

Channel:

802.11ax

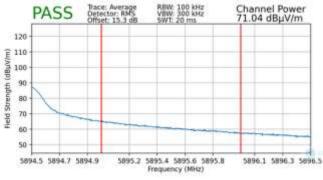
MCS0

54

3 Meters

5885MHz

177



Plot 7-324. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 4 – 106 Tones)



Plot 7-325. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 4 – 106 Tones)

| FCC ID: A3LSMS911JPN | MEASUREMENT REPORT | | Approved by: Technical Manager |
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7.6.3 MIMO Radiated Band Edge Measurements (20MHz BW) §15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

242 Tones

Worst Case Mode:

Worst Case Transfer Rate:

RU Index:

Distance of Measurements:

Operating Frequency:

Channel:

802.11ax

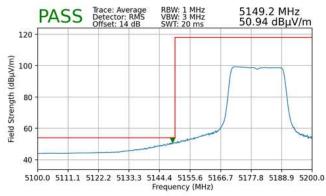
MCS0

61

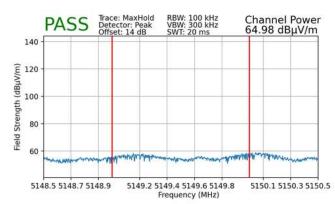
3 Meters

5180MHz

36



Plot 7-326. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1 – 242 Tones)



Plot 7-327. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1 – 242 Tones)

Worst Case Mode:

Worst Case Transfer Rate:

RU Index:

Distance of Measurements:

Operating Frequency:

Channel:

802.11ax

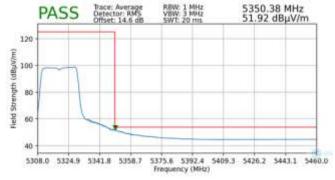
MCS0

61

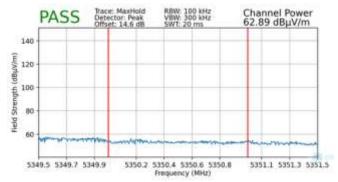
3 Meters

5320MHz

64



Plot 7-328. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A – 242 Tones)



Plot 7-329. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A – 242 Tones)

| FCC ID: A3LSMS911JPN | MEASUREMENT REPORT | | Approved by: Technical Manager |
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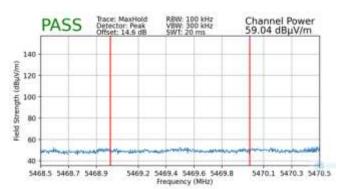


Worst Case Mode: 802.11ax Worst Case Transfer Rate: MCS0 RU Index: 61 3 Meters 5500MHz

Distance of Measurements: Operating Frequency: Channel: 100

| PASS | Prace: Average Detector: RMS Offset: 14.6 dB | RBW: 1 MHz VBW: 3 MHz SWT: 20 ms | 5459.82 MHz 49.44 dBµV/m |
|-----------|--|--|-----------------------------|
| | 011300 24.0 00 | 3111. 20 113. | |
| 20 | | | |
| | | | |
| 00 | | | |
| 10 | | | |
| | | | 1 |
| 60 | | | |
| 40 | | _ | • |
| 5350 5368 | 5386 5404 | 5422 5440 54 | 58 5476 5494 |

Plot 7-330. Radiated Lower Band Edge Plot MIMO (Average - UNII Band 2C - 242 Tones)



Plot 7-331. Radiated Lower Band Edge Plot MIMO (Peak - UNII Band 2C - 242 Tones)

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



Plot 7-332. Radiated Upper Band Edge Plot MIMO (Peak - UNII Band 3 - 242 Tones)

| FCC ID: A3LSMS911JPN | MEASUREMENT REPORT | | Approved by: Technical Manager |
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Worst Case Mode: Worst Case Transfer Rate:

RU Index:

Distance of Measurements: Operating Frequency:

3 Meters 5845MHz 169

802.11ax

MCS₀

61

Channel:

| PASS | Trace: Average Detector: RMS Offset: 14.8 df | RBW: 1 MHz VBW: 3 MHz B SWT: 20 ms | 5648.22 MHz 46.39 dBμV/m |
|------|--|--|-----------------------------|
| 0 | | | |
| 32 | | | |
| 0 | | | |
| 0 | | | - In the second |

Plot 7-333. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 4 – 242 Tones)

5625.0 5650.6 5676.1 5701.7 5727.2 5752.8 5778.3 5803.9 5829.4 5655.0



Plot 7-334. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 4 – 242 Tones)

Worst Case Mode:

Worst Case Transfer Rate:

RU Index:

Distance of Measurements:

Operating Frequency:

Channel:

802.11ax

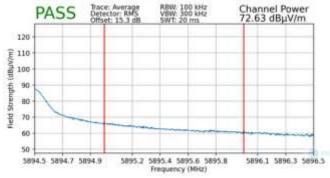
MCS0

61

3 Meters

5885MHz

177



Plot 7-335. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 4 – 242 Tones)



Plot 7-336. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 4 – 242 Tones)

| FCC ID: A3LSMS911JPN | MEASUREMENT REPORT | | Approved by: Technical Manager |
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7.6.4 MIMO Radiated Band Edge Measurements (40MHz BW) §15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

484 Tones

Worst Case Mode:

Worst Case Transfer Rate:

RU Index:

Distance of Measurements:

Operating Frequency:

Channel:

802.11ax

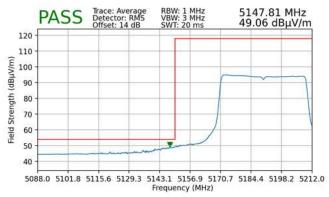
MCS0

65

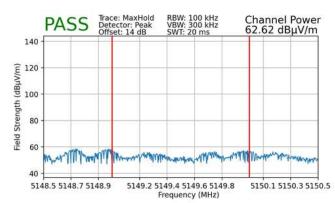
3 Meters

5190MHz

38



Plot 7-337. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1 – 484 Tones)



Plot 7-338. 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

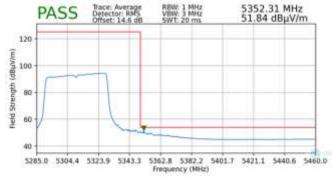
MCS0

65

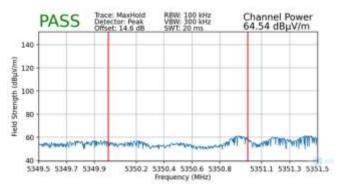
3 Meters

5310MHz

62



Plot 7-339. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A – 484 Tones)



Plot 7-340. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A – 484 Tones)

| FCC ID: A3LSMS911JPN | MEASUREMENT REPORT | | 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

65

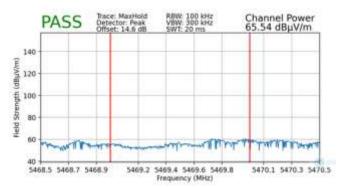
3 Meters

5510MHz

102



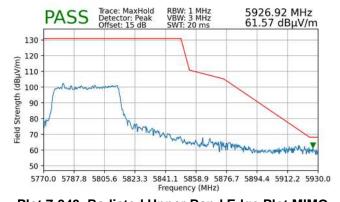
Plot 7-341. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C – 484 Tones)



Plot 7-342. 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 7-343. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 3 – 484 Tones)

| FCC ID: A3LSMS911JPN | MEASUREMENT REPORT | | Approved by: Technical Manager |
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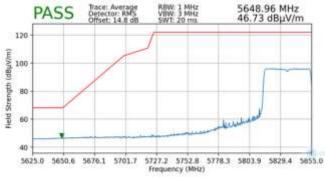
Worst Case Mode: Worst Case Transfer Rate:

RU Index:

Distance of Measurements: Operating Frequency:

Channel:

| | 802.11ax |
|---|----------|
| | MCS0 |
| | 65 |
| • | 3 Meters |
| • | 5835MHz |
| | 167 |

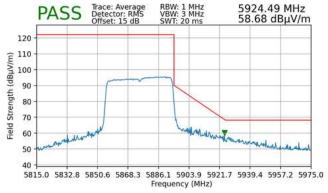


Plot 7-344. Radiated Lower Band Edge Plot MIMO (Average - UNII Band 4 - 484 Tones)

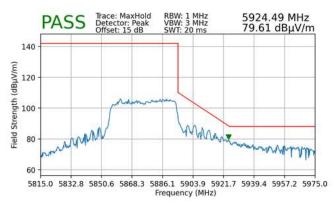


Plot 7-345. Radiated Lower Band Edge Plot MIMO (Peak - UNII Band 4 - 484 Tones)

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



Plot 7-346. Radiated Upper Band Edge Plot MIMO (Average - UNII Band 4 - 484 Tones)



Plot 7-347. Radiated Upper Band Edge Plot MIMO (Peak - UNII Band 4 - 484 Tones)

| FCC ID: A3LSMS911JPN | MEASUREMENT REPORT | | Approved by: Technical Manager |
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7.6.5 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

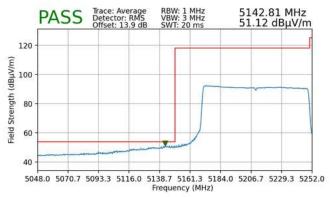
MCS0

67

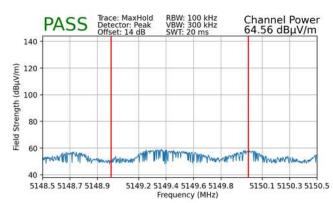
3 Meters

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

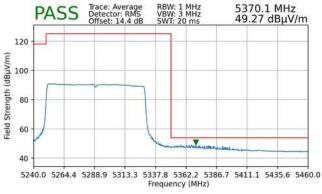
MCS0

67

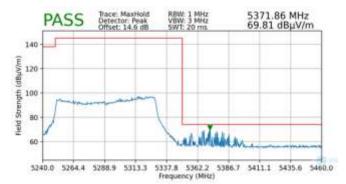
3 Meters

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: A3LSMS911JPN | MEASUREMENT REPORT | | 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

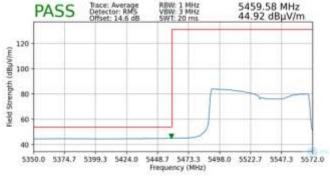
MCS0

67

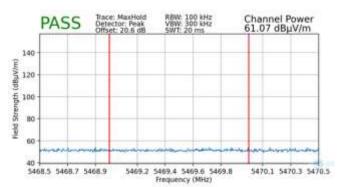
3 Meters

5530MHz

106



Plot 7-352. 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

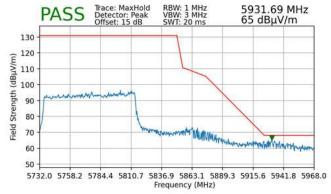
MCS0

67

3 Meters

5775MHz

155



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

| FCC ID: A3LSMS911JPN | MEASUREMENT REPORT | | 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

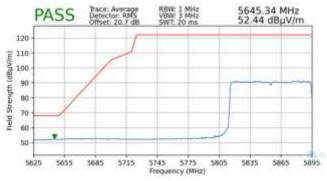
MCS0

67

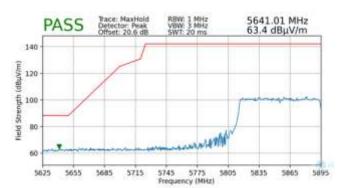
3 Meters

5855MHz

171



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

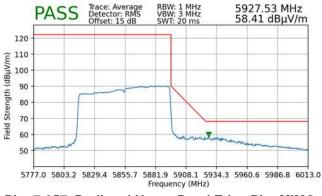
MCS0

67

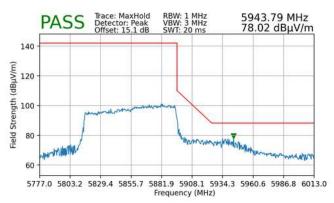
3 Meters

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

996*2 Tones

Worst Case Mode:

Worst Case Transfer Rate:

RU Index:

Distance of Measurements:

Operating Frequency:

Channel:

802.11ax

MCS0

67

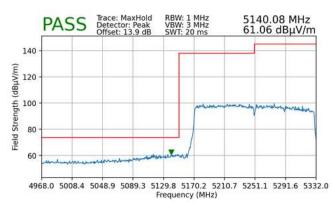
3 Meters

5250MHz

50



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



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

Worst Case Mode:

Worst Case Transfer Rate:

RU Index:

Distance of Measurements:

Operating Frequency:

Channel:

802.11ax

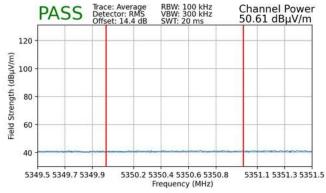
MCS0

67

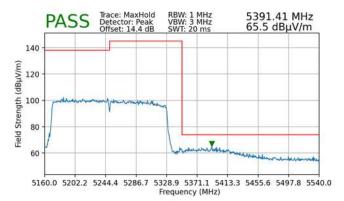
3 Meters

5250MHz

50



Plot 7-361. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A – 996*2 Tones)



Plot 7-362. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A – 996*2 Tones)

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Worst Case Mode:

Worst Case Transfer Rate:

RU Index:

Distance of Measurements:

Operating Frequency:

Channel:

802.11ax

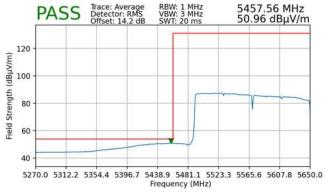
MCS0

67

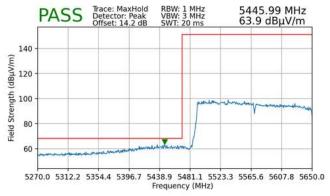
3 Meters

5570MHz

114



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



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

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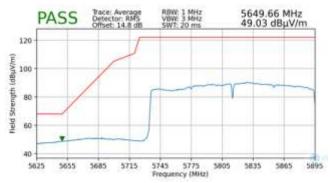


Worst Case Mode: Worst Case Transfer Rate:

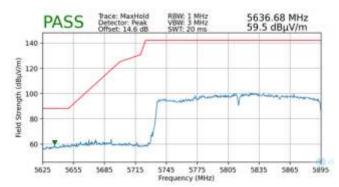
RU Index:

Distance of Measurements: Operating Frequency: Channel:

| 802.11ax | |
|----------|--|
| MCS0 | |
| 67 | |
| 3 Meters | |
| 5815MHz | |
| 163 | |



Plot 7-365. Radiated Lower Band Edge Plot MIMO (Average - UNII Band 4 - 996*2 Tones)



Plot 7-366. Radiated Lower Band Edge Plot MIMO (Peak - UNII Band 4 - 996*2 Tones)

Worst Case Mode: 802.11ax Worst Case Transfer Rate: MCS0 RU Index: 67 Distance of Measurements:

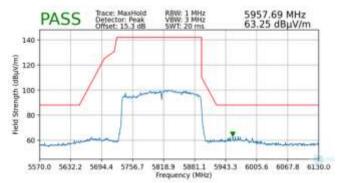
Operating Frequency:

Channel:

3 Meters 5815MHz 163



Plot 7-367. Radiated Upper Band Edge Plot MIMO (Average - UNII Band 4 - 996*2 Tones)



Plot 7-368. Radiated Upper Band Edge Plot MIMO (Peak - UNII Band 4 - 996*2 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 ID: A3LSMS911JPN** is in compliance with Part 15 Subpart E (15.407) of the FCC Rules.

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