

Worst Case Mode:

Worst Case Transfer Rate:

RU Index:

Distance of Measurements:

Operating Frequency:

Channel:

802.11ax

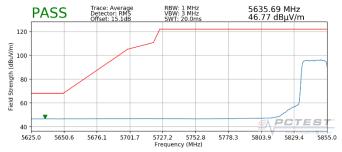
MCS0

61

3 Meters

5885MHz

177



Plot 7-343. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 4 – 242 Tones)

Worst Case Mode:

Worst Case Transfer Rate:

RU Index:

Distance of Measurements:

Operating Frequency:

Channel:

802.11ax

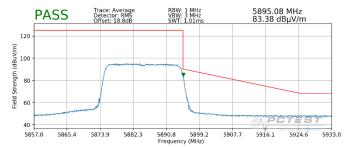
MCS0

61

3 Meters

5885MHz

177



Plot 7-344. Radiated Upper Band Edge Plot MIMO (Average – UNII Band – 242 Tones)

| FCC ID: A3LSMS908E | PCTEST° Proud to be part of element | MEASUREMENT REPORT (CERTIFICATION) | SAMSUNG | Approved by: Technical Manager |
|---------------------|-------------------------------------|---------------------------------------|---------|-----------------------------------|
| Test Report S/N: | Test Dates: | EUT Type: | | Dogg 222 of 242 |
| 1M2109220110-10.A3L | 9/14/2021 - 12/8/2021 | Portable Handset | | Page 232 of 242 |
| © 2021 PCTEST | | | | V 9.0 02/01/2019 |

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from PCTEST. If you have any questions about this international copyright or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact INFO@PCTEST.COM.



7.6.3 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

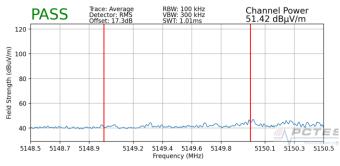
MCS0

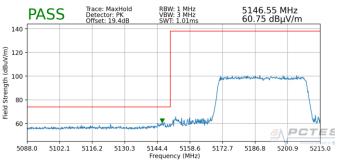
65

3 Meters

5190MHz

38





Plot 7-345. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1 – 484 Tones)

Plot 7-346. 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

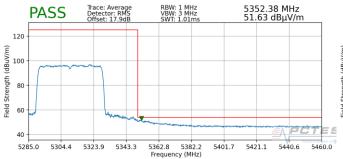
MCS0

65

3 Meters

5310MHz

62





Plot 7-347. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A – 484 Tones)

Plot 7-348. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A – 484 Tones)

| FCC ID: A3LSMS908E | Proud to be part of @ element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
|---------------------|-------------------------------|------------------------------------|-----------------------------------|
| Test Report S/N: | Test Dates: | EUT Type: | Page 233 of 242 |
| 1M2109220110-10.A3L | 9/14/2021 - 12/8/2021 | Portable Handset | Page 233 01 242 |



Worst Case Mode:

Worst Case Transfer Rate:

RU Index:

Distance of Measurements:

Operating Frequency:

Channel:

802.11ax

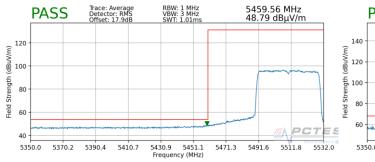
MCS0

65

3 Meters

5510MHz

102



Plot 7-349. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C – 484 Tones)

Plot 7-350. 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

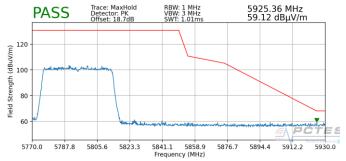
MCS0

65

3 Meters

5795MHz

159



Plot 7-351. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 3 – 484 Tones)

| FCC ID: A3LSMS908E | Proud to be part of @ element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
|---------------------|-------------------------------|------------------------------------|--------------------------------|
| Test Report S/N: | Test Dates: | EUT Type: | Page 234 of 242 |
| 1M2109220110-10.A3L | 9/14/2021 - 12/8/2021 | Portable Handset | Page 234 01 242 |



Worst Case Mode:

Worst Case Transfer Rate:

RU Index:

Distance of Measurements:

Operating Frequency:

Channel:

802.11ax

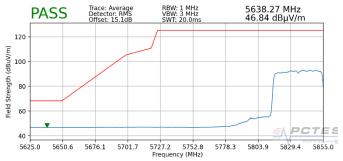
MCS0

65

3 Meters

5875MHz

175



Plot 7-352. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 4 – 484 Tones)

Worst Case Mode:

Worst Case Transfer Rate:

RU Index:

Distance of Measurements:

Operating Frequency:

Channel:

802.11ax

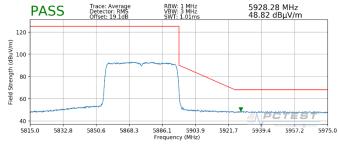
MCS0

65

3 Meters

5875MHz

175



Plot 7-353. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 4 – 484 Tones)

| FCC ID: A3LSMS908E | Proud to be part of element | MEASUREMENT REPORT (CERTIFICATION) | SAMSUNG | Approved by: Technical Manager |
|---------------------|-----------------------------|---------------------------------------|---------|-----------------------------------|
| Test Report S/N: | Test Dates: | EUT Type: | | Dogg 225 of 242 |
| 1M2109220110-10.A3L | 9/14/2021 - 12/8/2021 | Portable Handset | | Page 235 of 242 |
| © 2021 PCTEST | | | | V 9.0 02/01/2019 |



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

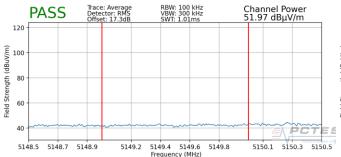
MCS0

67

3 Meters

5210MHz

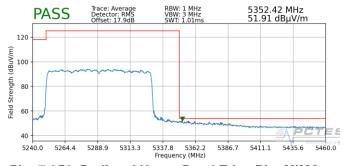
42

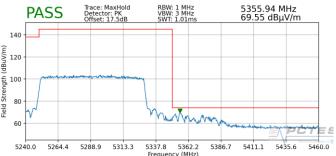


Plot 7-354. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1 – 996 Tones)

Plot 7-355. 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 7-356. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A – 996 Tones)

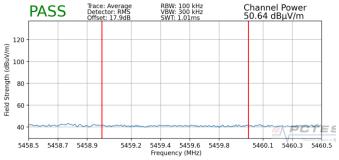
Plot 7-357. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A – 996 Tones)

| FCC ID: A3LSMS908E | Proud to be part of @ element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
|---------------------|-------------------------------|------------------------------------|--------------------------------|
| Test Report S/N: | Test Dates: | EUT Type: | Down 226 of 242 |
| 1M2109220110-10.A3L | 9/14/2021 - 12/8/2021 | Portable Handset | Page 236 of 242 |



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

802.11ax
MCS0
67
3 Meters
5530MHz
106



PASS Trace: MaxHold RBW: 100 kHz SW: 300 kHz SW: 1.01ms Channel Power 61.05 dBμV/m

Plot 7-358. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C – 996 Tones)

Plot 7-359. 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

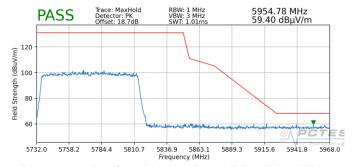
MCS0

67

3 Meters

5775MHz

155



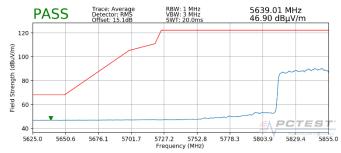
Plot 7-360. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 3 – 996 Tones)

| FCC ID: A3LSMS908E | Proud to be part of @ element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
|---------------------|-------------------------------|------------------------------------|-----------------------------------|
| Test Report S/N: | Test Dates: | EUT Type: | Page 237 of 242 |
| 1M2109220110-10.A3L | 9/14/2021 - 12/8/2021 | Portable Handset | Page 237 01 242 |



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

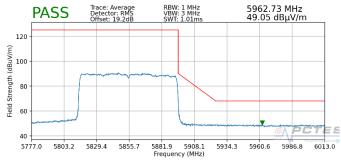
802.11ax
MCS0
67
3 Meters
5815MHz
163



Plot 7-361. Radiated Upper 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
5815MHz
163



Plot 7-362. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 4 – 996 Tones)

| FCC ID: A3LSMS908E | Proud to be part of @ element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
|---------------------|-------------------------------|------------------------------------|--------------------------------|
| Test Report S/N: | Test Dates: | EUT Type: | Page 238 of 242 |
| 1M2109220110-10.A3L | 9/14/2021 - 12/8/2021 | Portable Handset | Page 230 01 242 |

© 2021 PCTEST

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from PCTEST. If you have any questions about this international copyright or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact INFO@PCTEST.COM.



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

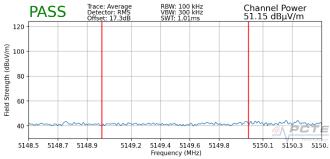
MCS0

67

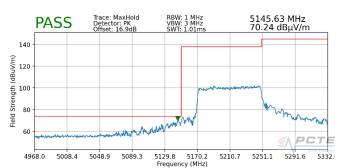
3 Meters

5250MHz

50



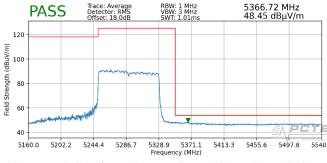
Plot 7-363. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1 – 996 Tones)



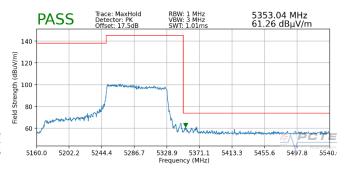
Plot 7-364. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1 – 996 Tones)

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

802.11ax
MCS0
67
3 Meters
5250MHz
50



Plot 7-365. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A – 996 Tones)



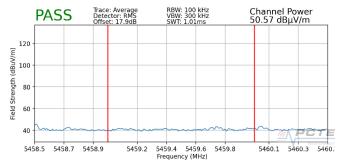
Plot 7-366. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A – 996 Tones)

| FCC ID: A3LSMS908E | Proud to be part of @ element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
|---------------------|-------------------------------|------------------------------------|--------------------------------|
| Test Report S/N: | Test Dates: | EUT Type: | Page 239 of 242 |
| 1M2109220110-10.A3L | 9/14/2021 - 12/8/2021 | Portable Handset | Page 239 01 242 |

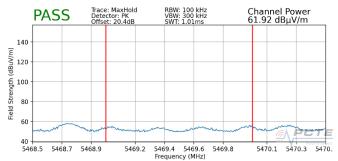


Worst Case Mode:
Worst Case Transfer Rate:
RU Index:
Distance of Measurements:
Operating Frequency:
Channel:

802.11ax
MCS0
67
3 Meters
5570MHz
114



Plot 7-367. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C – 996 Tones)



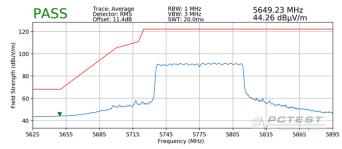
Plot 7-368. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 2C – 996 Tones)

| FCC ID: A3LSMS908E | Proud to be part of @ element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
|---------------------|-------------------------------|------------------------------------|-----------------------------------|
| Test Report S/N: | Test Dates: | EUT Type: | Dogo 240 of 242 |
| 1M2109220110-10.A3L | 9/14/2021 - 12/8/2021 | Portable Handset | Page 240 of 242 |



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

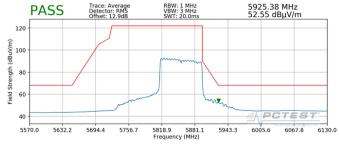
802.11ax
MCS0
67
3 Meters
5815MHz
163



Plot 7-369. Radiated Upper 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
5815MHz
163



Plot 7-370. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 4 – 996 Tones)

| FCC ID: A3LSMS908E | Proud to be part of element | MEASUREMENT REPORT (CERTIFICATION) | SAMSUNG | Approved by: Technical Manager |
|---------------------|-----------------------------|---------------------------------------|---------|-----------------------------------|
| Test Report S/N: | Test Dates: | EUT Type: | | Dogo 244 of 242 |
| 1M2109220110-10.A3L | 9/14/2021 - 12/8/2021 | Portable Handset | | Page 241 of 242 |
| © 2021 PCTEST | | | | V 9.0 02/01/2019 |



8.0 CONCLUSION

The data collected relate only the item(s) tested and show that the **Samsung Portable Handset FCC ID: A3LSMS908E** is in compliance with Part 15 Subpart E (15.407) of the FCC Rules.

| FCC ID: A3LSMS908E | Proud to be part of @ element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
|---------------------|-------------------------------|------------------------------------|--------------------------------|
| Test Report S/N: | Test Dates: | EUT Type: | Page 242 of 242 |
| 1M2109220110-10.A3L | 9/14/2021 - 12/8/2021 | Portable Handset | Fage 242 01 242 |