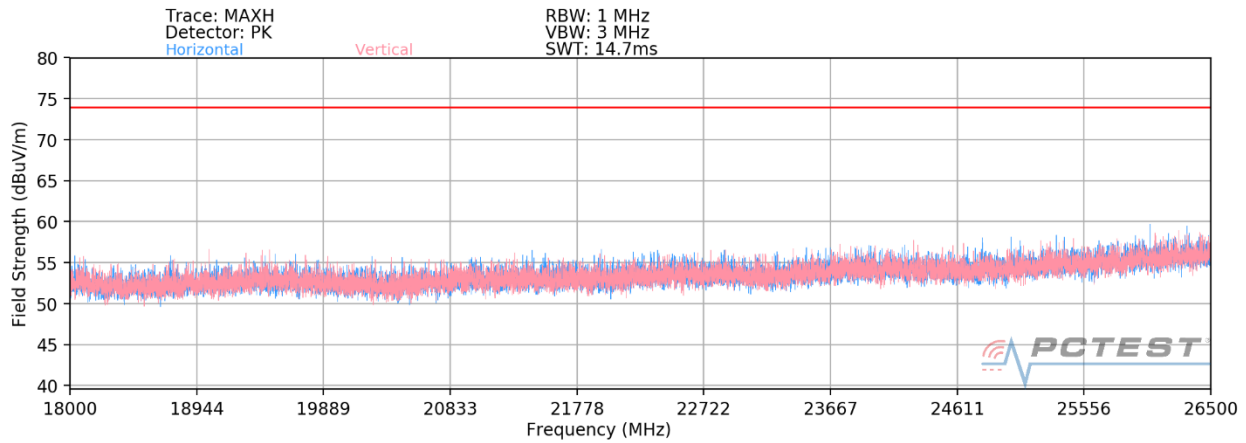
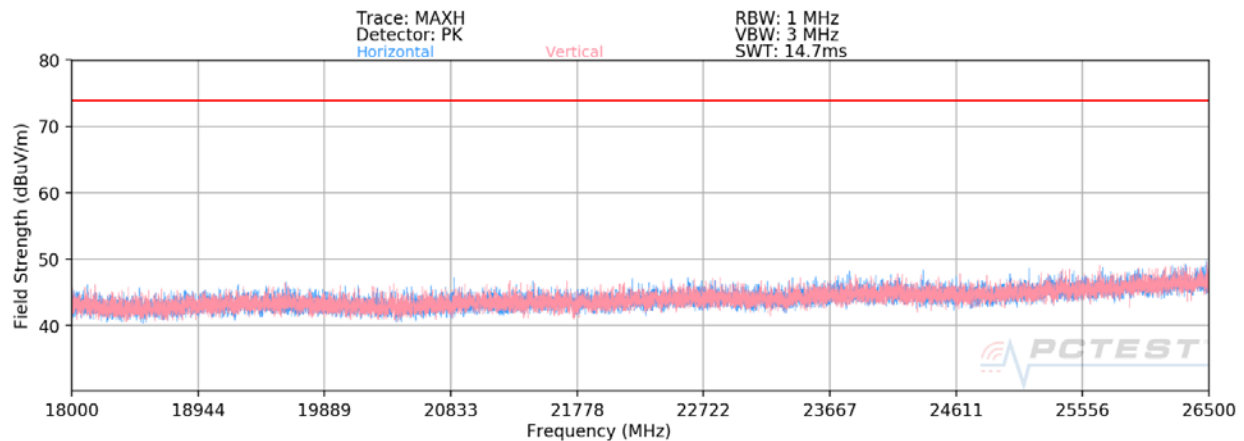


SISO Antenna-2 Radiated Spurious Emissions Measurements (Above 18GHz)

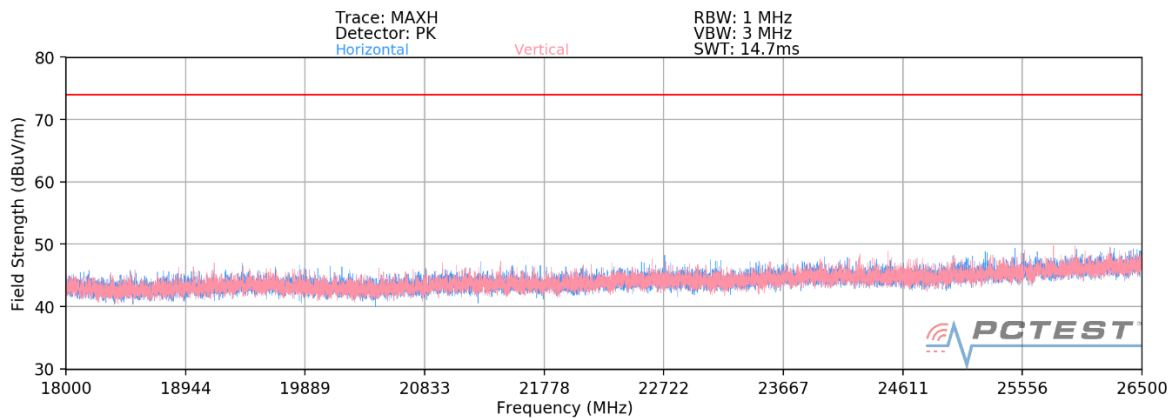
§15.209; RSS-Gen [8.9]



Plot 7-57. Radiated Spurious Plot above 18GHz SISO ANT2 (802.11ax OFDMA – 26 Tones) – OPEN

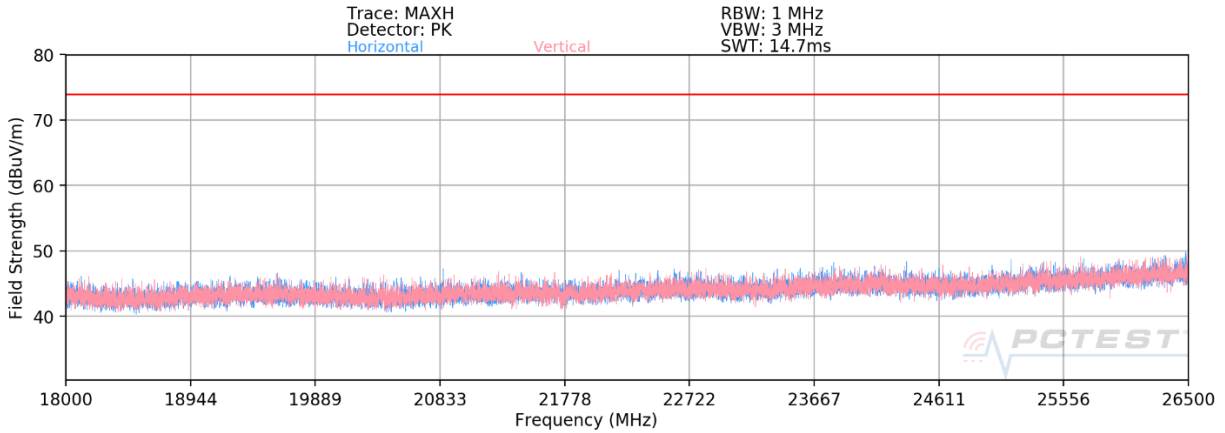


Plot 7-58. Radiated Spurious Plot above 18GHz SISO ANT2 (802.11ax OFDMA – 242 Tones) – OPEN



Plot 7-59. Radiated Spurious Plot above 18GHz SISO ANT2 (802.11ax OFDMA – 26 Tones) – CLOSED

FCC ID: A3LSMF711B1	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2108160097-08.A3L	Test Dates: 04/12/2021 - 06/04/2021	EUT Type: Portable Handset		Page 60 of 82



Plot 7-60. Radiated Spurious Plot above 18GHz SISO ANT2 (802.11ax OFDMA – 242 Tones) – CLOSED

FCC ID: A3LSMF711B1	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2108160097-08.A3L	Test Dates: 04/12/2021 - 06/04/2021	EUT Type: Portable Handset		Page 61 of 82

SISO Antenna-2 Radiated Spurious Emission Measurements

§15.247(d) §15.205 & §15.209; RSS-Gen [8.9]

Worst Case Mode:	802.11ax OFDMA
Worst Case Transfer Rate:	MCS0
RU Index:	53
Distance of Measurements:	3 Meters
Operating Frequency:	2412MHz
Channel:	01

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
4824.00	Avg	H	-	-	-79.31	6.80	34.49	53.98	-19.49
4824.00	Peak	H	-	-	-68.09	6.80	45.71	73.98	-28.27
12060.00	Avg	H	-	-	-81.62	18.06	43.44	53.98	-10.54
12060.00	Peak	H	-	-	-70.18	18.06	54.88	73.98	-19.10

Table 7-14. Radiated Measurements SISO ANT2 (106 Tones)

Worst Case Mode:	802.11ax OFDMA
Worst Case Transfer Rate:	MCS0
RU Index:	53
Distance of Measurements:	3 Meters
Operating Frequency:	2437MHz
Channel:	06

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
4874.00	Avg	H	-	-	-79.01	7.32	35.31	53.98	-18.67
4874.00	Peak	H	-	-	-69.21	7.32	45.11	73.98	-28.87
7311.00	Avg	H	100	314	-70.67	12.45	48.78	53.98	-5.19
7311.00	Peak	H	100	314	-49.87	12.45	69.58	73.98	-4.39
12185.00	Avg	H	-	-	-80.21	18.35	45.14	53.98	-8.84
12185.00	Peak	H	-	-	-71.85	18.35	53.50	73.98	-20.48

Table 7-15. Radiated Measurements SISO ANT2 (106 Tones)

FCC ID: A3LSMF711B1		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2108160097-08.A3L	Test Dates: 04/12/2021 - 06/04/2021	EUT Type: Portable Handset		Page 62 of 82

Worst Case Mode: 802.11ax OFDMA
Worst Case Transfer Rate: MCS0
RU Index: 53
Distance of Measurements: 3 Meters
Operating Frequency: 2462MHz
Channel: 11

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
4924.00	Avg	H	-	-	-79.49	7.44	34.95	53.98	-19.03
4924.00	Peak	H	-	-	-69.78	7.44	44.66	73.98	-29.32
7386.00	Avg	H	366	30	-74.37	12.26	44.89	53.98	-9.09
7386.00	Peak	H	366	30	-57.41	12.26	61.85	73.98	-12.13
12310.00	Avg	H	-	-	-81.89	18.69	43.80	53.98	-10.18
12310.00	Peak	H	-	-	-71.54	18.69	54.15	73.98	-19.83

Table 7-16. Radiated Measurements SISO ANT2 (106 Tones)

Worst Case Mode: 802.11ax OFDMA
Worst Case Transfer Rate: MCS0
RU Index: 61
Distance of Measurements: 3 Meters
Operating Frequency: 2412MHz
Channel: 01

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
4824.00	Avg	H	-	-	-79.38	6.80	34.42	53.98	-19.56
4824.00	Peak	H	-	-	-68.16	6.80	45.64	73.98	-28.34
12060.00	Avg	H	-	-	-81.54	18.06	43.52	53.98	-10.46
12060.00	Peak	H	-	-	-70.18	18.06	54.88	73.98	-19.10

Table 7-17. Radiated Measurements SISO ANT2 (242 Tones)

FCC ID: A3LSMF711B1		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2108160097-08.A3L	Test Dates: 04/12/2021 - 06/04/2021	EUT Type: Portable Handset		Page 63 of 82

Worst Case Mode: 802.11ax OFDMA
Worst Case Transfer Rate: MCS0
RU Index: 61
Distance of Measurements: 3 Meters
Operating Frequency: 2437MHz
Channel: 06

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
4874.00	Avg	H	-	-	-79.42	7.32	34.90	53.98	-19.08
4874.00	Peak	H	-	-	-67.84	7.32	46.48	73.98	-27.50
7311.00	Avg	H	118	310	-75.62	12.45	43.83	53.98	-10.14
7311.00	Peak	H	118	310	-62.98	12.45	56.47	73.98	-17.50
12185.00	Avg	H	-	-	-81.64	18.35	43.71	53.98	-10.27
12185.00	Peak	H	-	-	-70.69	18.35	54.66	73.98	-19.32

Table 7-18. Radiated Measurements SISO ANT2 (242 Tones)

Worst Case Mode: 802.11ax OFDMA
Worst Case Transfer Rate: MCS0
RU Index: 61
Distance of Measurements: 3 Meters
Operating Frequency: 2462MHz
Channel: 11

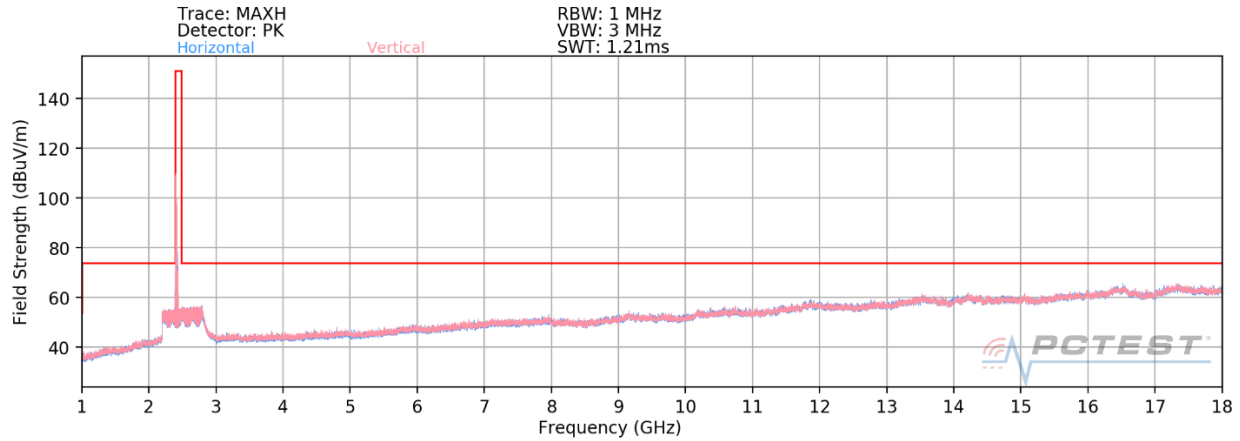
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
4924.00	Avg	H	-	-	-79.33	7.44	35.11	53.98	-18.87
4924.00	Peak	H	-	-	-68.21	7.44	46.23	73.98	-27.75
7386.00	Avg	H	100	295	-75.83	12.26	43.43	53.98	-10.55
7386.00	Peak	H	100	295	-61.79	12.26	57.47	73.98	-16.51
12310.00	Avg	H	-	-	-82.00	18.69	43.69	53.98	-10.29
12310.00	Peak	H	-	-	-70.70	18.69	54.99	73.98	-18.99

Table 7-19. Radiated Measurements SISO ANT2 (242 Tones)

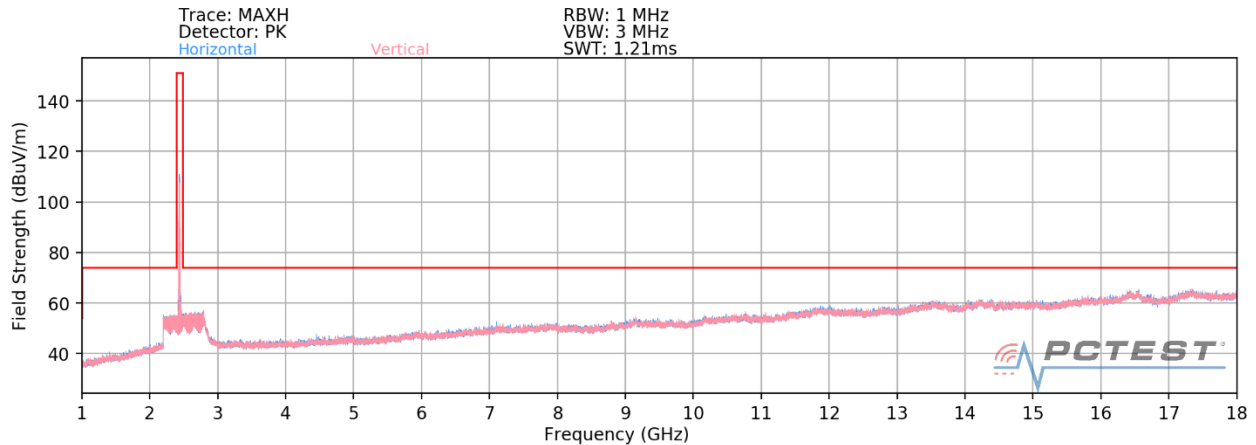
FCC ID: A3LSMF711B1		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2108160097-08.A3L	Test Dates: 04/12/2021 - 06/04/2021	EUT Type: Portable Handset		Page 64 of 82

7.7.2 MIMO Radiated Spurious Emission Measurements

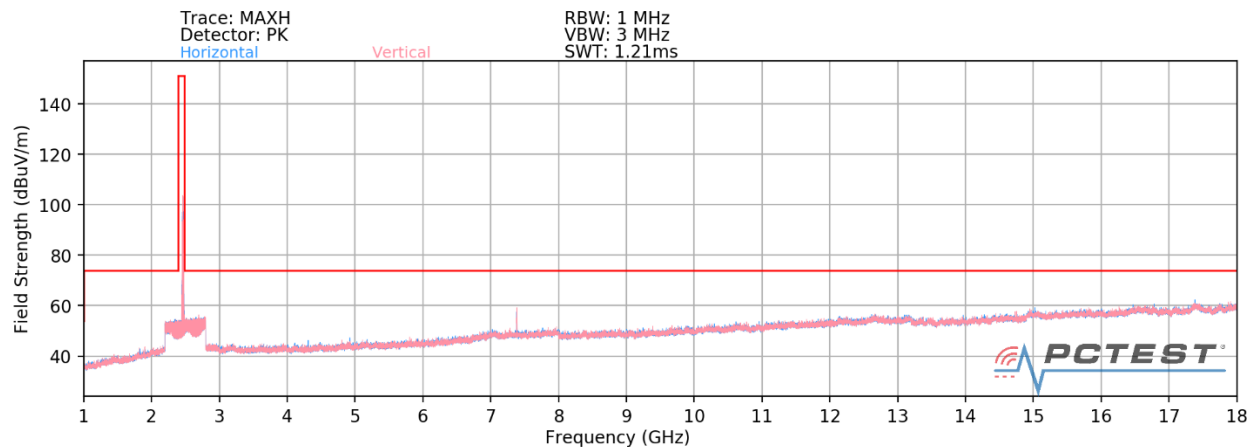
§15.247(d) §15.205 & §15.209; RSS-Gen [8.9]



Plot 7-61. Radiated Spurious Plot above 1GHz MIMO (802.11ax OFDMA – 26 Tones – Ch. 1) – OPEN

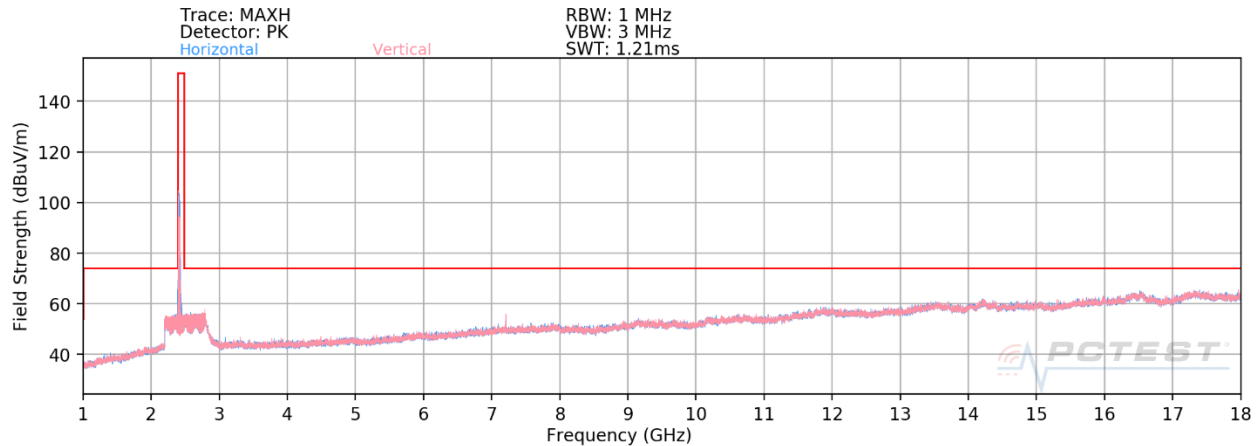


Plot 7-62. Radiated Spurious Plot above 1GHz MIMO (802.11ax OFDMA – 26 Tones – Ch. 6) – OPEN

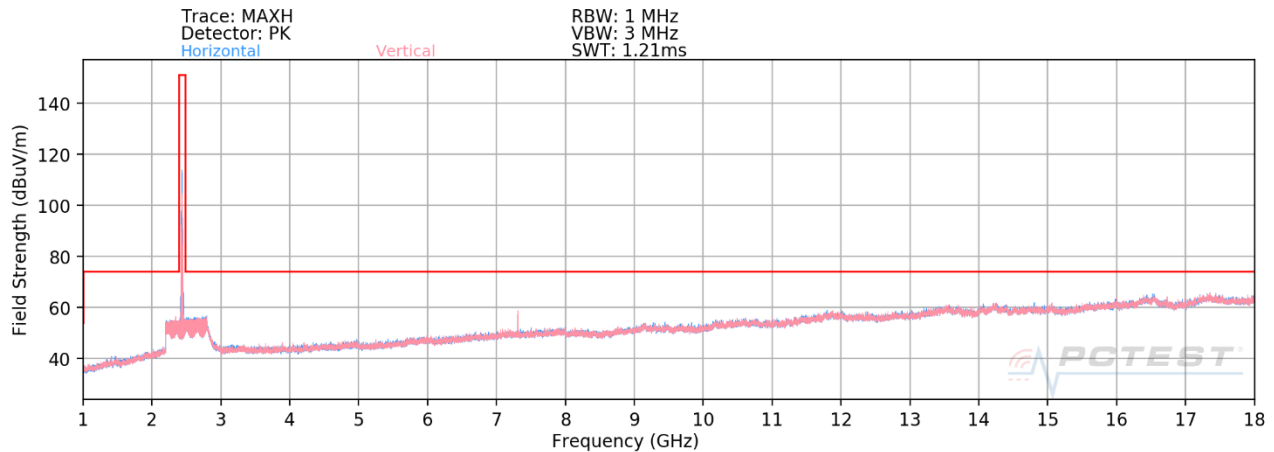


Plot 7-63. Radiated Spurious Plot above 1GHz MIMO (802.11ax OFDMA – 26 Tones – Ch. 11) – OPEN

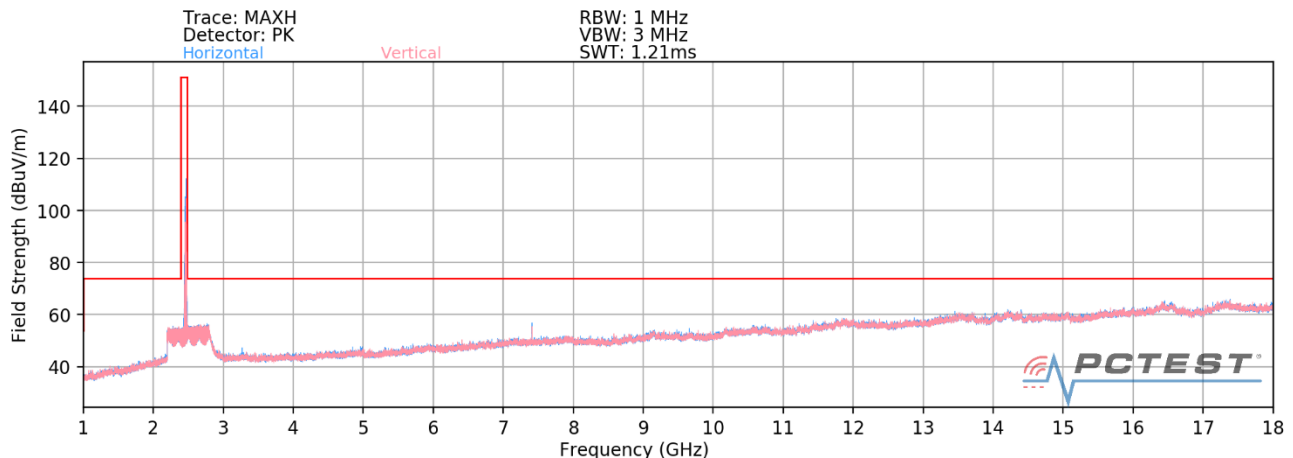
FCC ID: A3LSMF711B1	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2108160097-08.A3L	Test Dates: 04/12/2021 - 06/04/2021	EUT Type: Portable Handset		Page 65 of 82



Plot 7-64. Radiated Spurious Plot above 1GHz MIMO (802.11ax OFDMA – 26 Tones – Ch. 1) – CLOSED

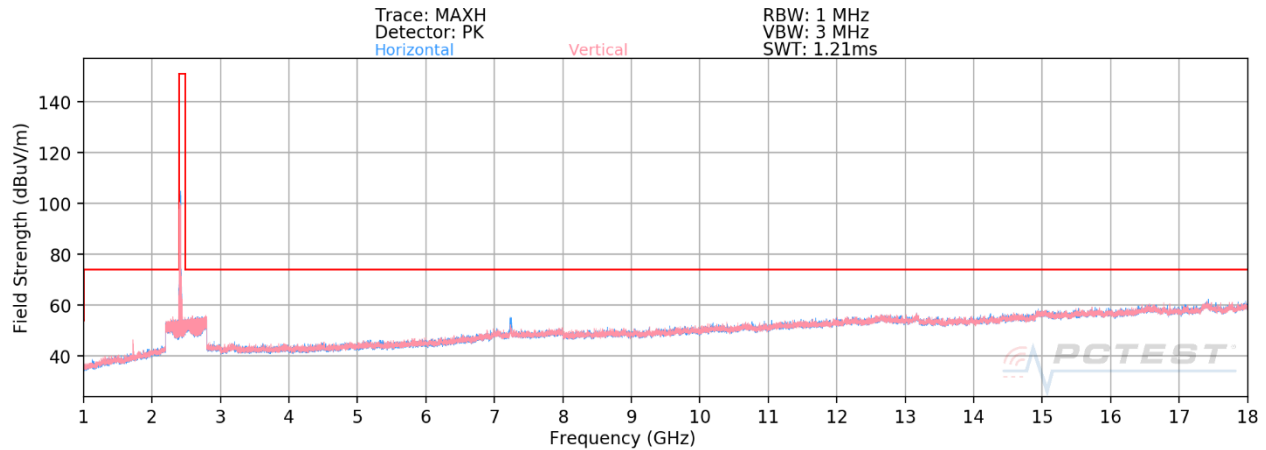


Plot 7-65. Radiated Spurious Plot above 1GHz MIMO (802.11ax OFDMA – 26 Tones – Ch. 6) – CLOSED

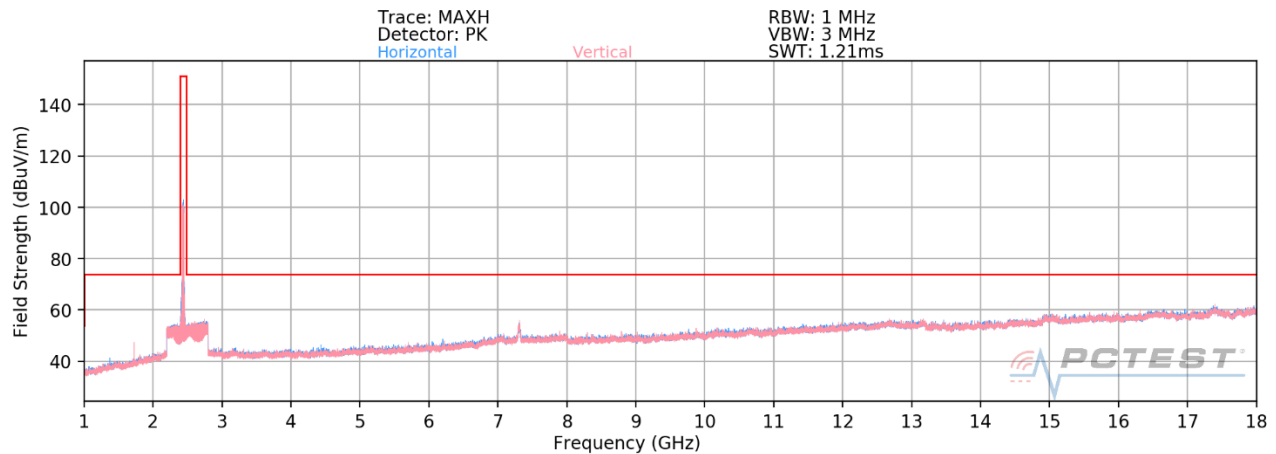


Plot 7-66. Radiated Spurious Plot above 1GHz MIMO (802.11ax OFDMA – 26 Tones – Ch. 11) – CLOSED

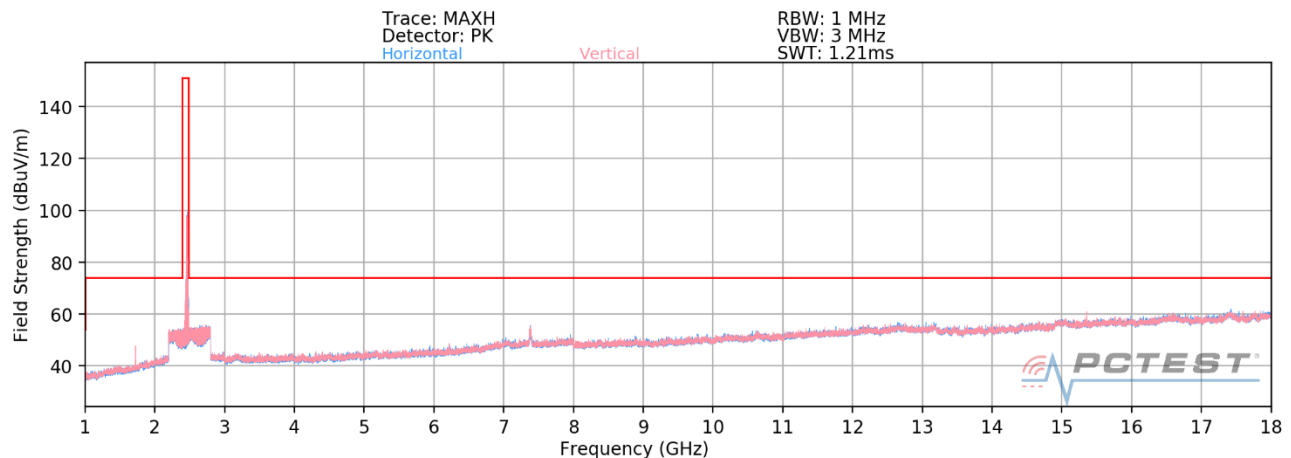
FCC ID: A3LSMF711B1	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2108160097-08.A3L	Test Dates: 04/12/2021 - 06/04/2021	EUT Type: Portable Handset		Page 66 of 82



Plot 7-67. Radiated Spurious Plot above 1GHz MIMO (802.11ax OFDMA – 242 Tones – Ch. 1) – OPEN

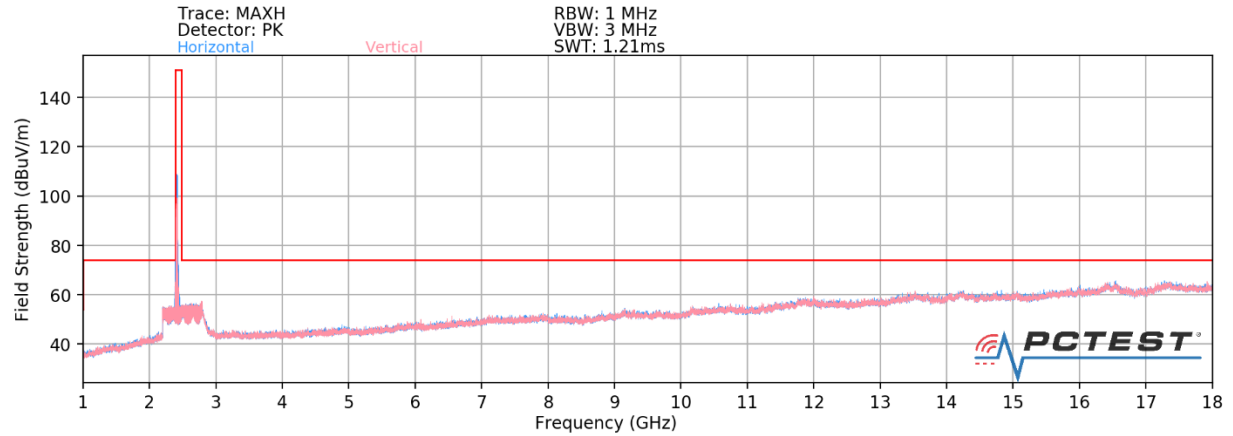


Plot 7-68. Radiated Spurious Plot above 1GHz MIMO (802.11ax OFDMA – 242 Tones – Ch. 6) – OPEN

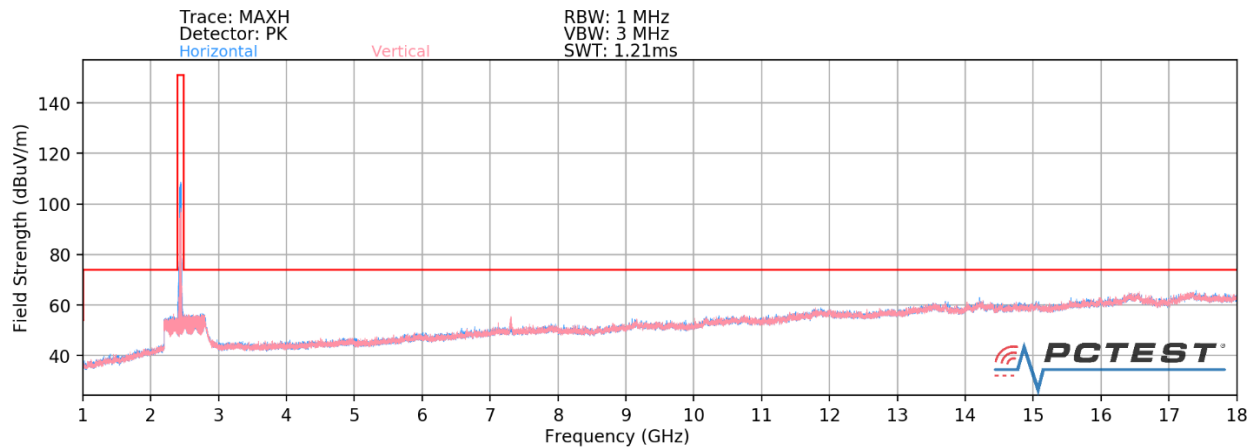


Plot 7-69. Radiated Spurious Plot above 1GHz MIMO (802.11ax OFDMA – 242 Tones – Ch. 11) – OPEN

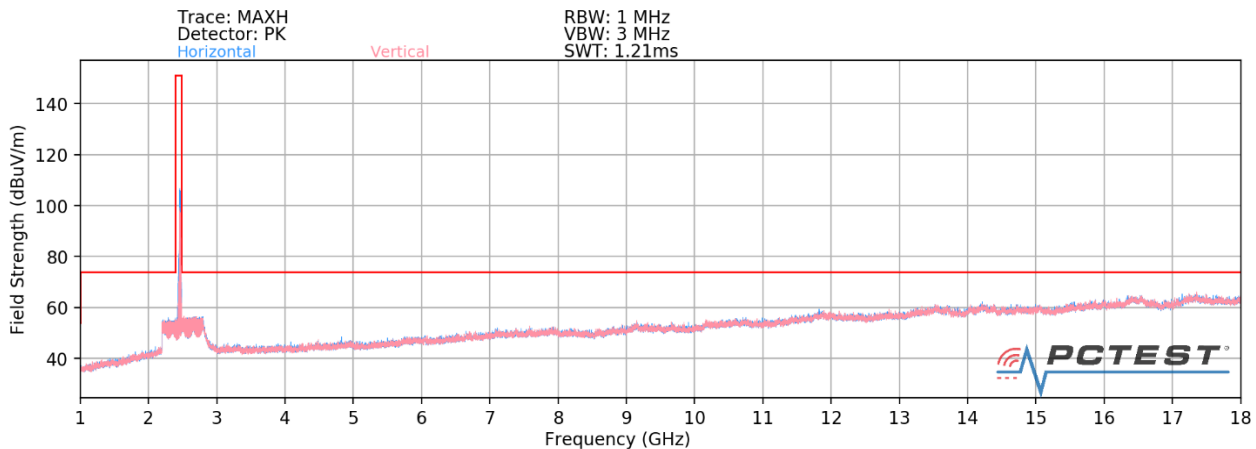
FCC ID: A3LSMF711B1	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2108160097-08.A3L	Test Dates: 04/12/2021 - 06/04/2021	EUT Type: Portable Handset		Page 67 of 82



Plot 7-70. Radiated Spurious Plot above 1GHz MIMO (802.11ax OFDMA – 242 Tones – Ch. 1) – CLOSED



Plot 7-71. Radiated Spurious Plot above 1GHz MIMO (802.11ax OFDMA – 242 Tones – Ch. 6) – CLOSED

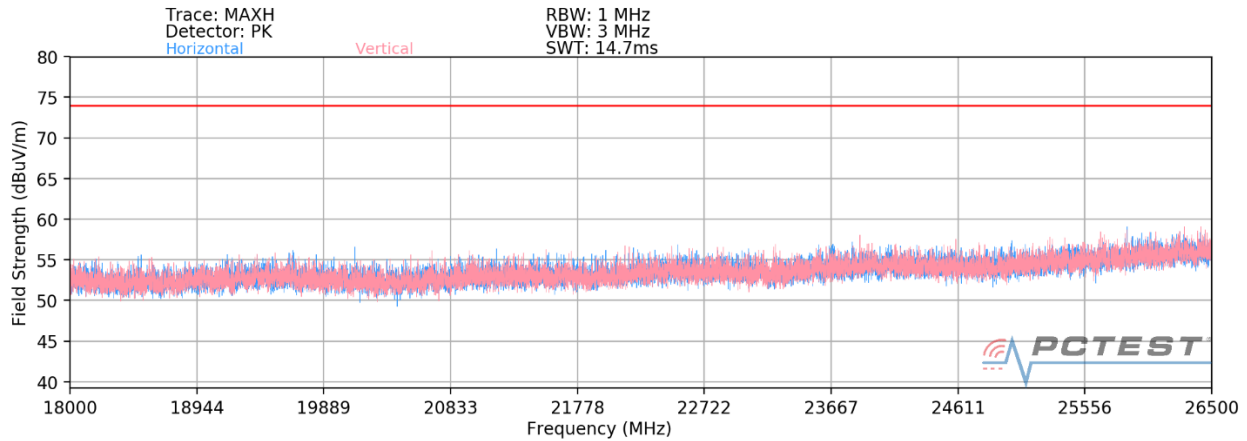


Plot 7-72. Radiated Spurious Plot above 1GHz MIMO (802.11ax OFDMA – 242 Tones – Ch. 11) – CLOSED

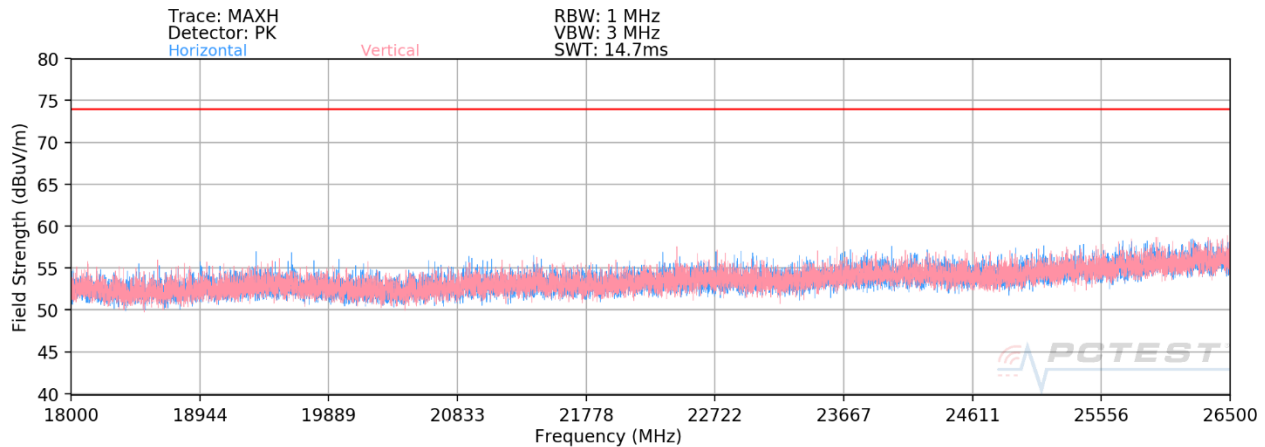
FCC ID: A3LSMF711B1	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2108160097-08.A3L	Test Dates: 04/12/2021 - 06/04/2021	EUT Type: Portable Handset		Page 68 of 82

MIMO Radiated Spurious Emissions Measurements (Above 18GHz)

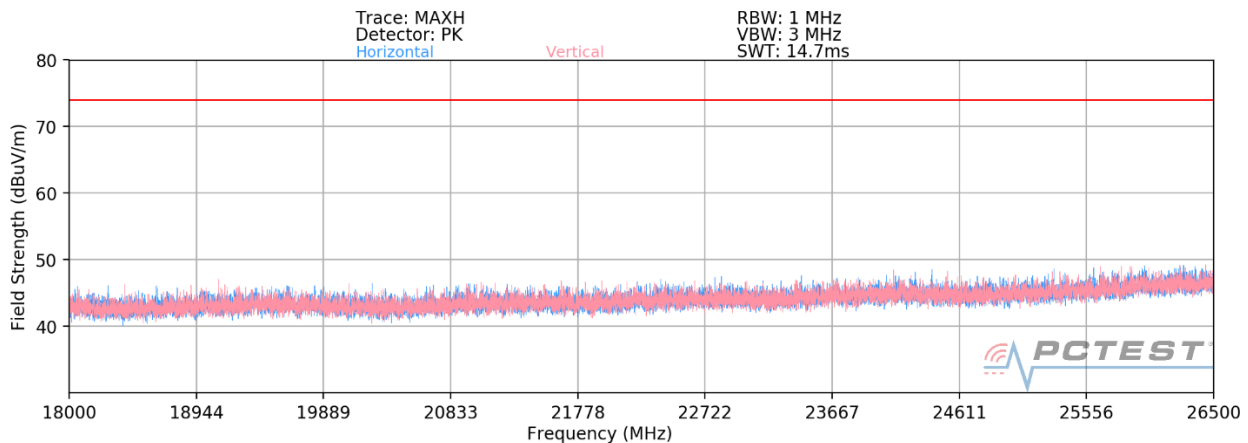
§15.209; RSS-Gen [8.9]



Plot 7-73. Radiated Spurious Plot above 18GHz MIMO (802.11ax OFDMA – 26 Tones) – OPEN

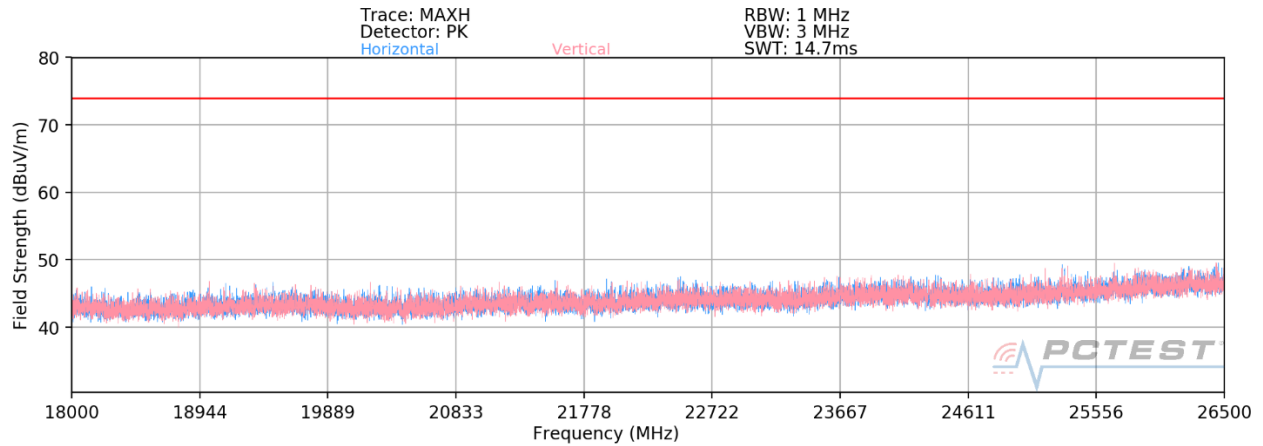


Plot 7-74. Radiated Spurious Plot above 18GHz MIMO (802.11ax OFDMA – 242 Tones) – OPEN



Plot 7-75. Radiated Spurious Plot above 18GHz MIMO (802.11ax OFDMA – 26 Tones) – CLOSED

FCC ID: A3LSMF711B1	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2108160097-08.A3L	Test Dates: 04/12/2021 - 06/04/2021	EUT Type: Portable Handset		Page 69 of 82



Plot 7-76. Radiated Spurious Plot above 18GHz MIMO (802.11ax OFDMA – 242 Tones) – CLOSED

FCC ID: A3LSMF711B1	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2108160097-08.A3L	Test Dates: 04/12/2021 - 06/04/2021	EUT Type: Portable Handset		Page 70 of 82

MIMO Radiated Spurious Emission Measurements

§15.247(d) §15.205 & §15.209; RSS-Gen [8.9]

Worst Case Mode: 802.11ax OFDMA
Worst Case Transfer Rate: MCS0
RU Index: 53
Distance of Measurements: 3 Meters
Operating Frequency: 2412MHz
Channel: 01

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
4824.00	Avg	H	112	126	-74.99	6.80	38.81	53.98	-15.17
4824.00	Peak	H	112	126	-64.34	6.80	49.46	73.98	-24.52
12060.00	Avg	H	-	-	-81.43	18.06	43.63	53.98	-10.35
12060.00	Peak	H	-	-	-70.24	18.06	54.82	73.98	-19.16

Table 7-20. Radiated Measurements MIMO (106 Tones)

Worst Case Mode: 802.11ax OFDMA
Worst Case Transfer Rate: MCS0
RU Index: 53
Distance of Measurements: 3 Meters
Operating Frequency: 2437MHz
Channel: 06

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
4874.00	Avg	H	311	123	-77.95	7.32	36.37	53.98	-17.61
4874.00	Peak	H	311	123	-66.98	7.32	47.34	73.98	-26.64
7311.00	Avg	H	125	354	-69.23	12.45	50.22	53.98	-3.75
7311.00	Peak	H	125	354	-52.73	12.45	66.72	73.98	-7.25
12185.00	Avg	H	-	-	-81.85	18.35	43.50	53.98	-10.48
12185.00	Peak	H	-	-	-70.79	18.35	54.56	73.98	-19.42

Table 7-21. Radiated Measurements MIMO (106 Tones)

FCC ID: A3LSMF711B1		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2108160097-08.A3L	Test Dates: 04/12/2021 - 06/04/2021	EUT Type: Portable Handset		Page 71 of 82

Worst Case Mode: 802.11ax OFDMA
Worst Case Transfer Rate: MCS0
RU Index: 53
Distance of Measurements: 3 Meters
Operating Frequency: 2462MHz
Channel: 11

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
4924.00	Avg	H	117	123	-73.89	7.44	40.55	53.98	-13.43
4924.00	Peak	H	117	123	-62.55	7.44	51.89	73.98	-22.09
7386.00	Avg	H	102	312	-68.37	12.26	50.89	53.98	-3.09
7386.00	Peak	H	102	312	-51.18	12.26	68.08	73.98	-5.90
12310.00	Avg	H	-	-	-82.14	18.69	43.55	53.98	-10.43
12310.00	Peak	H	-	-	-70.78	18.69	54.91	73.98	-19.07

Table 7-22. Radiated Measurements MIMO (106 Tones)

Worst Case Mode: 802.11ax OFDMA
Worst Case Transfer Rate: MCS0
RU Index: 61
Distance of Measurements: 3 Meters
Operating Frequency: 2412MHz
Channel: 01

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
4824.00	Avg	H	-	-	-78.23	6.80	35.57	53.98	-18.41
4824.00	Peak	H	-	-	-66.50	6.80	47.30	73.98	-26.68
12060.00	Avg	H	-	-	-81.64	18.06	43.42	53.98	-10.56
12060.00	Peak	H	-	-	-69.70	18.06	55.36	73.98	-18.62

Table 7-23. Radiated Measurements MIMO (242 Tones)

FCC ID: A3LSMF711B1		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2108160097-08.A3L	Test Dates: 04/12/2021 - 06/04/2021	EUT Type: Portable Handset		Page 72 of 82

Worst Case Mode: 802.11ax OFDMA
Worst Case Transfer Rate: MCS0
RU Index: 61
Distance of Measurements: 3 Meters
Operating Frequency: 2437MHz
Channel: 06

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
4874.00	Avg	H	-	-	-79.23	7.32	35.09	53.98	-18.89
4874.00	Peak	H	-	-	-68.42	7.32	45.90	73.98	-28.08
7311.00	Avg	H	100	313	-69.82	12.45	49.63	53.98	-4.34
7311.00	Peak	H	100	313	-56.23	12.45	63.22	73.98	-10.75
12185.00	Avg	H	-	-	-81.83	18.35	43.52	53.98	-10.46
12185.00	Peak	H	-	-	-71.22	18.35	54.13	73.98	-19.85

Table 7-24. Radiated Measurements MIMO (242 Tones)

Worst Case Mode: 802.11ax OFDMA
Worst Case Transfer Rate: MCS0
RU Index: 61
Distance of Measurements: 3 Meters
Operating Frequency: 2462MHz
Channel: 11

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
4924.00	Avg	H	124	131	-78.15	7.44	36.29	53.98	-17.69
4924.00	Peak	H	124	131	-66.98	7.44	47.46	73.98	-26.52
7386.00	Avg	H	100	302	-71.85	12.26	47.41	53.98	-6.57
7386.00	Peak	H	100	302	-58.75	12.26	60.51	73.98	-13.47
12310.00	Avg	H	-	-	-82.14	18.69	43.55	53.98	-10.43
12310.00	Peak	H	-	-	-70.49	18.69	55.20	73.98	-18.78

Table 7-25. Radiated Measurements MIMO (242 Tones)

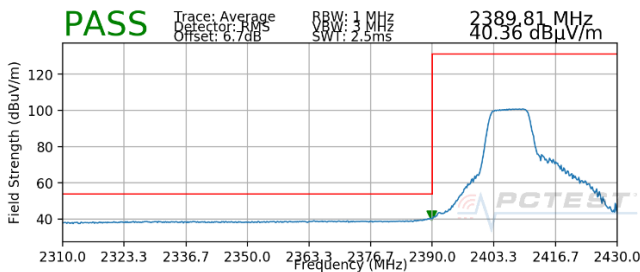
FCC ID: A3LSMF711B1		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2108160097-08.A3L	Test Dates: 04/12/2021 - 06/04/2021	EUT Type: Portable Handset		Page 73 of 82

7.7.3 SISO Antenna-2 Radiated Restricted Band Edge Measurements

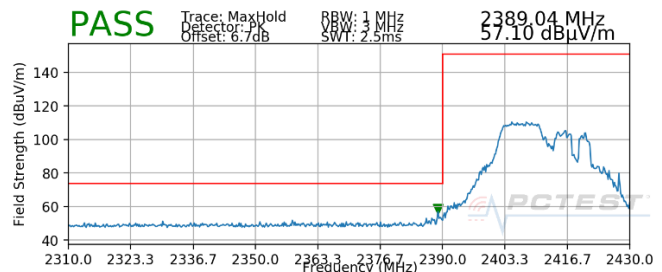
§15.205 §15.209; RSS-Gen [8.9]

The radiated restricted band edge measurements are measured with an EMI test receiver connected to the receive antenna while the EUT is transmitting.

Worst Case Mode:	802.11ax OFDMA
Worst Case Transfer Rate:	MCS0
RU Index:	53
Distance of Measurements:	3 Meters
Operating Frequency:	2412MHz
Channel:	1

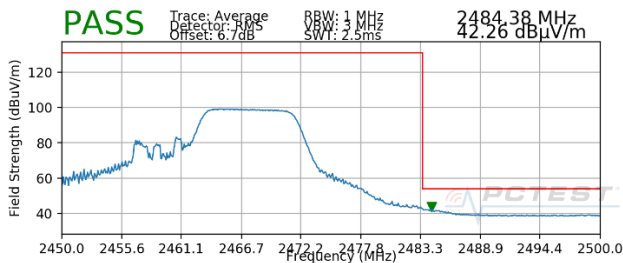


Plot 7-77. Radiated Restricted Lower Band Edge Measurement SISO ANT2 (Average – 106 Tones)

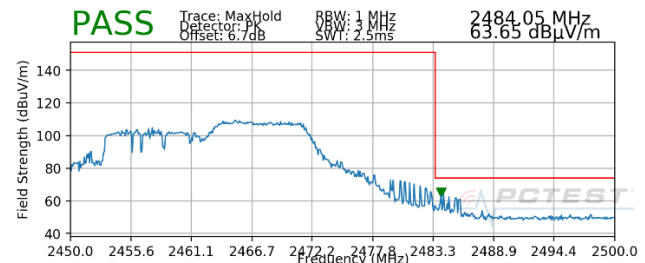


Plot 7-78. Radiated Restricted Lower Band Edge Measurement SISO ANT2 (Peak – 106 Tones)

Worst Case Mode:	802.11ax OFDMA
Worst Case Transfer Rate:	MCS0
RU Index:	54
Distance of Measurements:	3 Meters
Operating Frequency:	2462MHz
Channel:	11



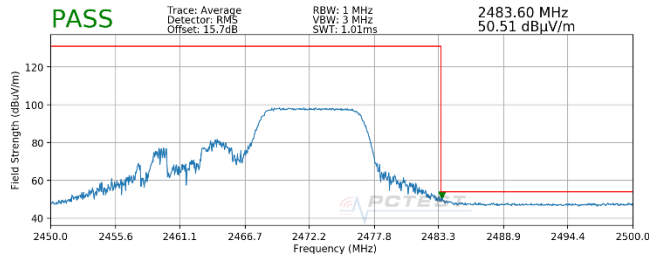
Plot 7-79. Radiated Restricted Upper Band Edge Measurement SISO ANT2 (Average – 106 Tones)



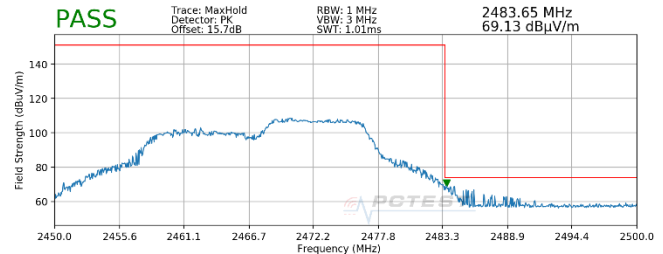
Plot 7-80. Radiated Restricted Upper Band Edge Measurement SISO ANT2 (Peak – 106 Tones)

FCC ID: A3LSMF711B1	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
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Worst Case Mode: 802.11ax OFDMA
Worst Case Transfer Rate: MCS0
RU Index: 54
Distance of Measurements: 3 Meters
Operating Frequency: 2467MHz
Channel: 12

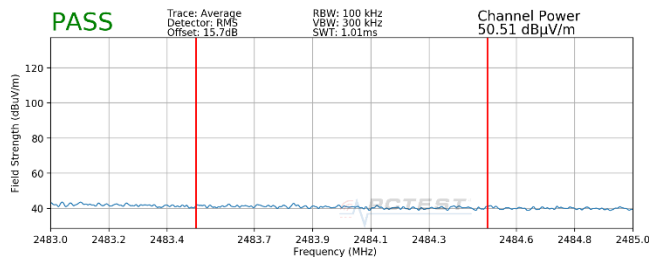


Plot 7-81. Radiated Restricted Upper Band Edge Measurement SISO ANT2 (Average – 106 Tones)

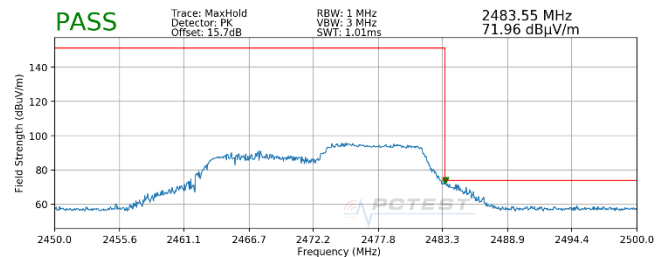


Plot 7-82. Radiated Restricted Upper Band Edge Measurement SISO ANT2 (Peak – 106 Tones)

Worst Case Mode: 802.11ax OFDMA
Worst Case Transfer Rate: MCS0
RU Index: 54
Distance of Measurements: 3 Meters
Operating Frequency: 2472MHz
Channel: 13



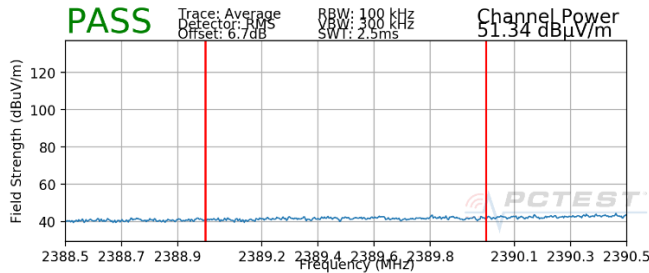
Plot 7-83. Radiated Restricted Upper Band Edge Measurement SISO ANT2 (Average – 106 Tones)



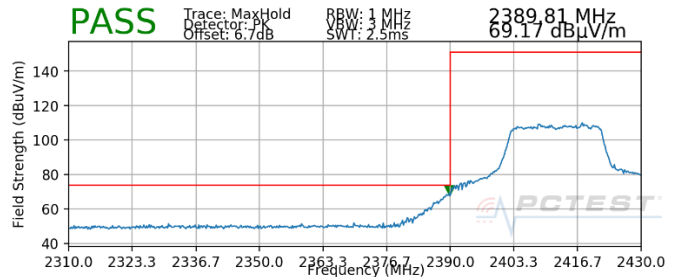
Plot 7-84. Radiated Restricted Upper Band Edge Measurement SISO ANT2 (Peak – 106 Tones)

FCC ID: A3LSMF711B1	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2108160097-08.A3L	Test Dates: 04/12/2021 - 06/04/2021	EUT Type: Portable Handset		Page 75 of 82

Worst Case Mode: 802.11ax OFDMA
Worst Case Transfer Rate: MCS0
RU Index: 61
Distance of Measurements: 3 Meters
Operating Frequency: 2412MHz
Channel: 1

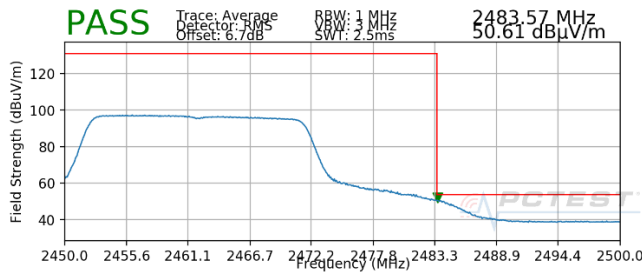


Plot 7-85. Radiated Restricted Lower Band Edge Measurement SISO ANT2 (Average – 242 Tones)

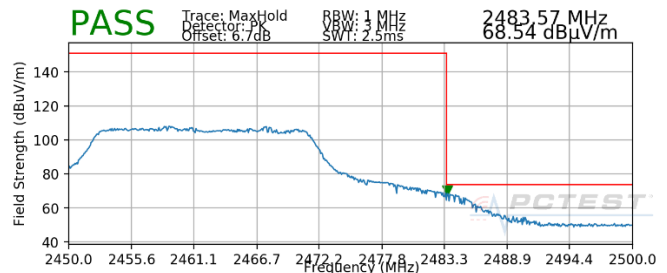


Plot 7-86. Radiated Restricted Lower Band Edge Measurement SISO ANT2 (Peak – 242 Tones)

Worst Case Mode: 802.11ax OFDMA
Worst Case Transfer Rate: MCS0
RU Index: 61
Distance of Measurements: 3 Meters
Operating Frequency: 2462MHz
Channel: 11



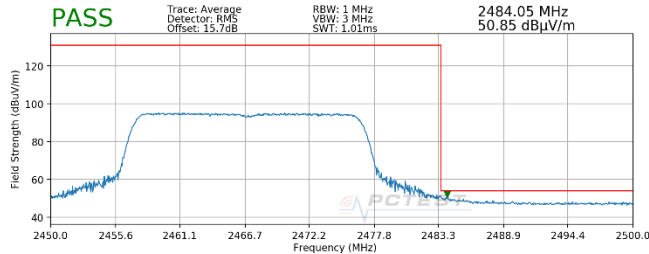
Plot 7-87. Radiated Restricted Upper Band Edge Measurement SISO ANT2 (Average – 242 Tones)



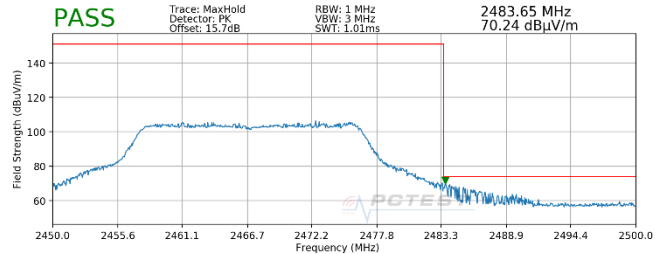
Plot 7-88. Radiated Restricted Upper Band Edge Measurement SISO ANT2 (Peak – 242 Tones)

FCC ID: A3LSMF711B1	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
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Worst Case Mode: 802.11ax OFDMA
Worst Case Transfer Rate: MCS0
RU Index: 61
Distance of Measurements: 3 Meters
Operating Frequency: 2467MHz
Channel: 12

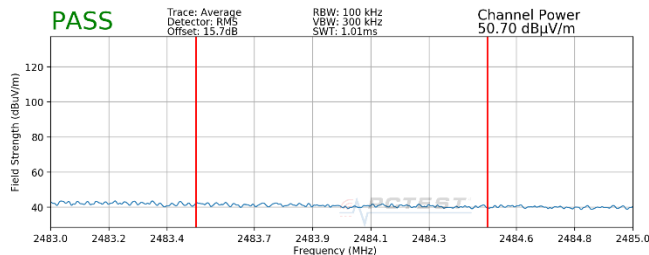


Plot 7-89. Radiated Restricted Upper Band Edge Measurement SISO ANT2 (Average – 242 Tones)

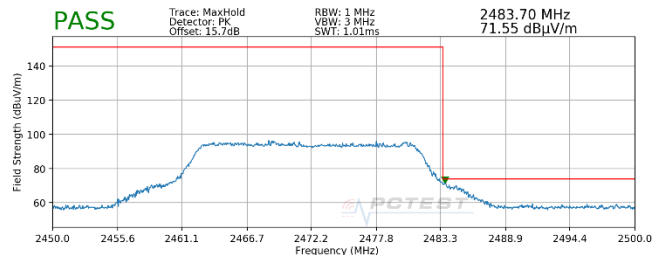


Plot 7-90. Radiated Restricted Upper Band Edge Measurement SISO ANT2 (Peak – 242 Tones)

Worst Case Mode: 802.11ax OFDMA
Worst Case Transfer Rate: MCS0
RU Index: 61
Distance of Measurements: 3 Meters
Operating Frequency: 2472MHz
Channel: 13



Plot 7-91. Radiated Restricted Upper Band Edge Measurement SISO ANT2 (Average – 242 Tones)



Plot 7-92. Radiated Restricted Upper Band Edge Measurement SISO ANT2 (Peak – 242 Tones)

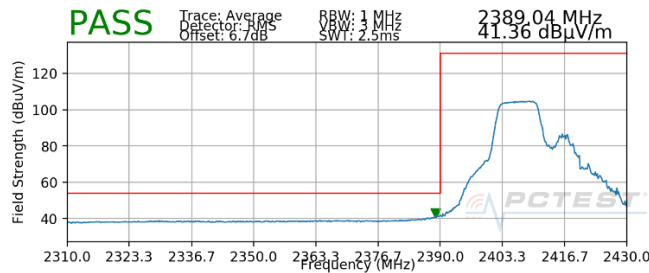
FCC ID: A3LSMF711B1	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2108160097-08.A3L	Test Dates: 04/12/2021 - 06/04/2021	EUT Type: Portable Handset		Page 77 of 82

7.7.4 MIMO Radiated Restricted Band Edge Measurements

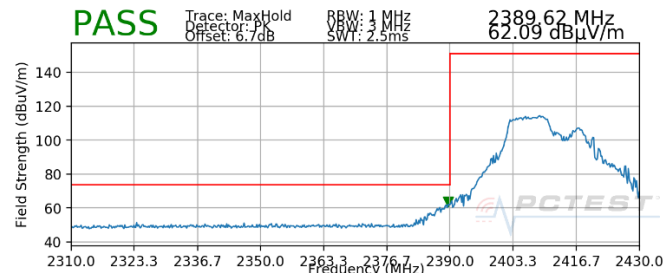
§15.205 §15.209; RSS-Gen [8.9]

The radiated restricted band edge measurements are measured with an EMI test receiver connected to the receive antenna while the EUT is transmitting.

Worst Case Mode:	802.11ax OFDMA
Worst Case Transfer Rate:	MCS0
RU Index:	53
Distance of Measurements:	3 Meters
Operating Frequency:	2412MHz
Channel:	1

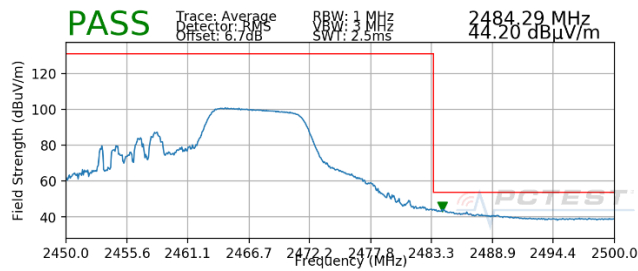


Plot 7-93. Radiated Restricted Lower Band Edge Measurement MIMO (Average – 106 Tones)

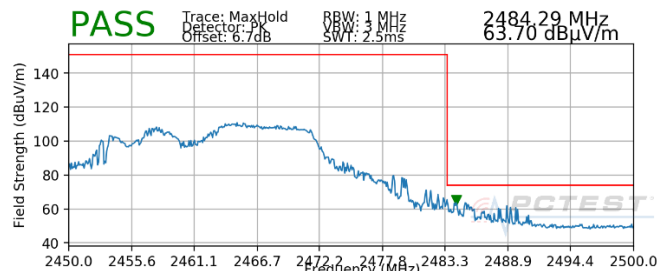


Plot 7-94. Radiated Restricted Lower Band Edge Measurement MIMO (Peak – 106 Tones)

Worst Case Mode:	802.11ax OFDMA
Worst Case Transfer Rate:	MCS0
RU Index:	54
Distance of Measurements:	3 Meters
Operating Frequency:	2462MHz
Channel:	11



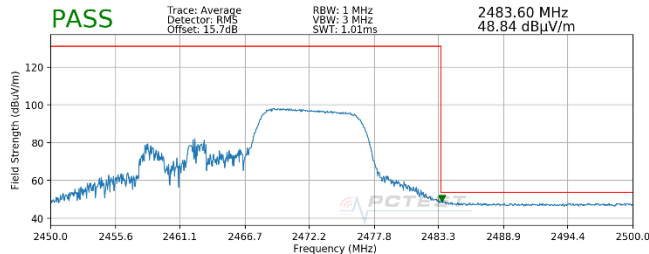
Plot 7-95. Radiated Restricted Upper Band Edge Measurement MIMO (Average – 106 Tones)



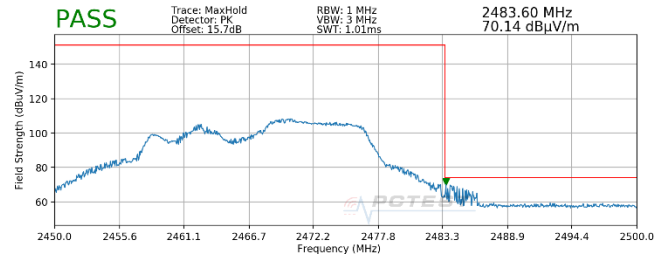
Plot 7-96. Radiated Restricted Upper Band Edge Measurement MIMO (Peak – 106 Tones)

FCC ID: A3LSMF711B1	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
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Worst Case Mode: 802.11ax OFDMA
Worst Case Transfer Rate: MCS0
RU Index: 54
Distance of Measurements: 3 Meters
Operating Frequency: 2467MHz
Channel: 12

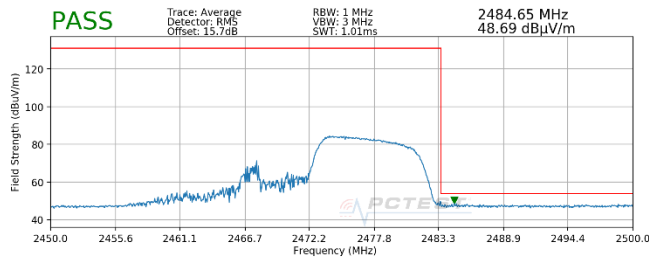


Plot 7-97. Radiated Restricted Upper Band Edge Measurement MIMO (Average – 106 Tones)

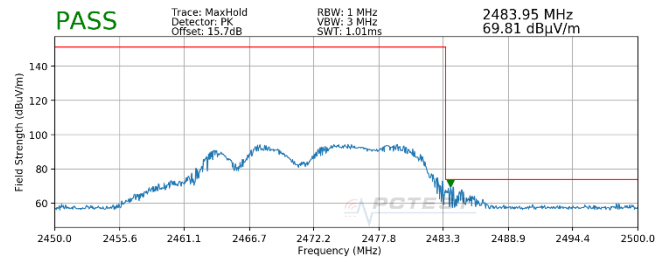


Plot 7-98. Radiated Restricted Upper Band Edge Measurement MIMO (Peak – 106 Tones)

Worst Case Mode: 802.11ax OFDMA
Worst Case Transfer Rate: MCS0
RU Index: 54
Distance of Measurements: 3 Meters
Operating Frequency: 2472MHz
Channel: 13



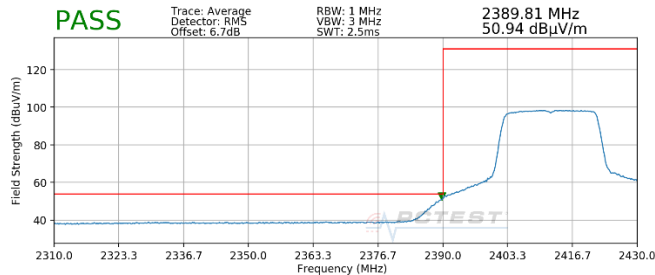
Plot 7-99. Radiated Restricted Upper Band Edge Measurement MIMO (Average – 106 Tones)



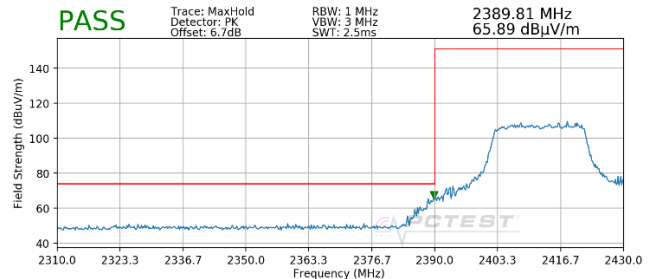
Plot 7-100. Radiated Restricted Upper Band Edge Measurement MIMO (Peak – 106 Tones)

FCC ID: A3LSMF711B1	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
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Worst Case Mode: 802.11ax OFDMA
Worst Case Transfer Rate: MCS0
RU Index: 61
Distance of Measurements: 3 Meters
Operating Frequency: 2412MHz
Channel: 1

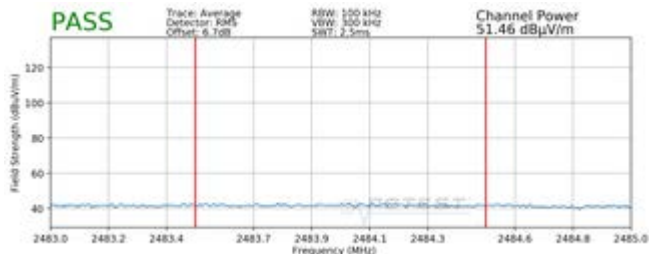


Plot 7-101. Radiated Restricted Lower Band Edge Measurement MIMO (Average – 242 Tones)

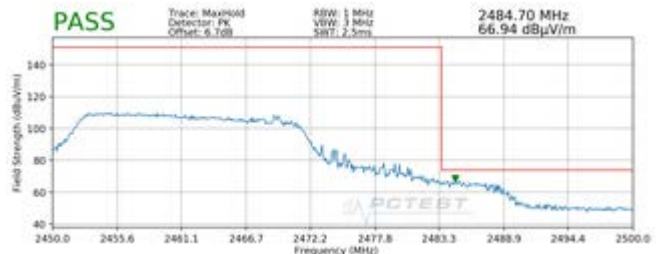


Plot 7-102. Radiated Restricted Lower Band Edge Measurement MIMO (Peak – 242 Tones)

Worst Case Mode: 802.11ax OFDMA
Worst Case Transfer Rate: MCS0
RU Index: 61
Distance of Measurements: 3 Meters
Operating Frequency: 2462MHz
Channel: 11



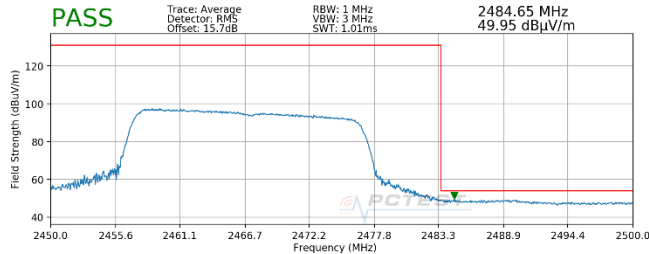
Plot 7-103. Radiated Restricted Upper Band Edge Measurement MIMO (Average – 242 Tones)



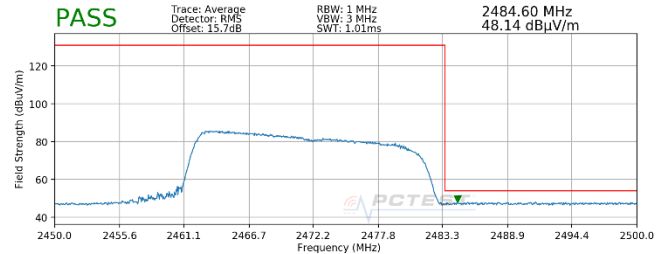
Plot 7-104. Radiated Restricted Upper Band Edge Measurement MIMO (Peak – 242 Tones)

FCC ID: A3LSMF711B1	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
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Worst Case Mode: 802.11ax OFDMA
Worst Case Transfer Rate: MCS0
RU Index: 61
Distance of Measurements: 3 Meters
Operating Frequency: 2467MHz
Channel: 12

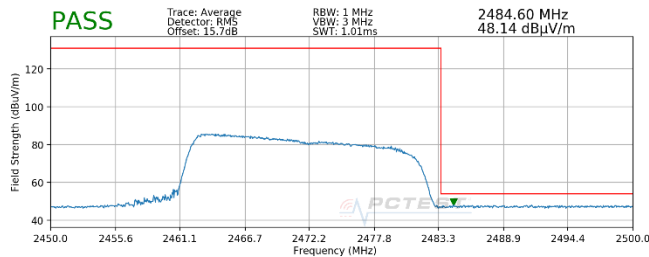


Plot 7-105. Radiated Restricted Upper Band Edge Measurement MIMO (Average - 242 Tones)

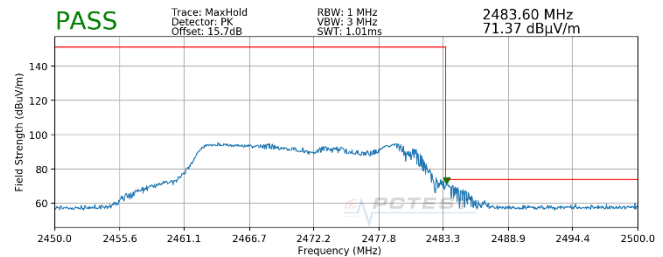


Plot 7-106. Radiated Restricted Upper Band Edge Measurement MIMO (Peak - 242 Tones)

Worst Case Mode: 802.11ax OFDMA
Worst Case Transfer Rate: MCS0
RU Index: 61
Distance of Measurements: 3 Meters
Operating Frequency: 2472MHz
Channel: 13



Plot 7-107. Radiated Restricted Upper Band Edge Measurement MIMO (Average - 242 Tones)



Plot 7-108. Radiated Restricted Upper Band Edge Measurement MIMO (Peak - 242 Tones)

FCC ID: A3LSMF711B1	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
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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: A3LSMF711B1** is in compliance with Part 15 Subpart C (15.247) of the FCC Rules.

FCC ID: A3LSMF711B1		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2108160097-08.A3L	Test Dates: 04/12/2021 - 06/04/2021	EUT Type: Portable Handset		Page 82 of 82