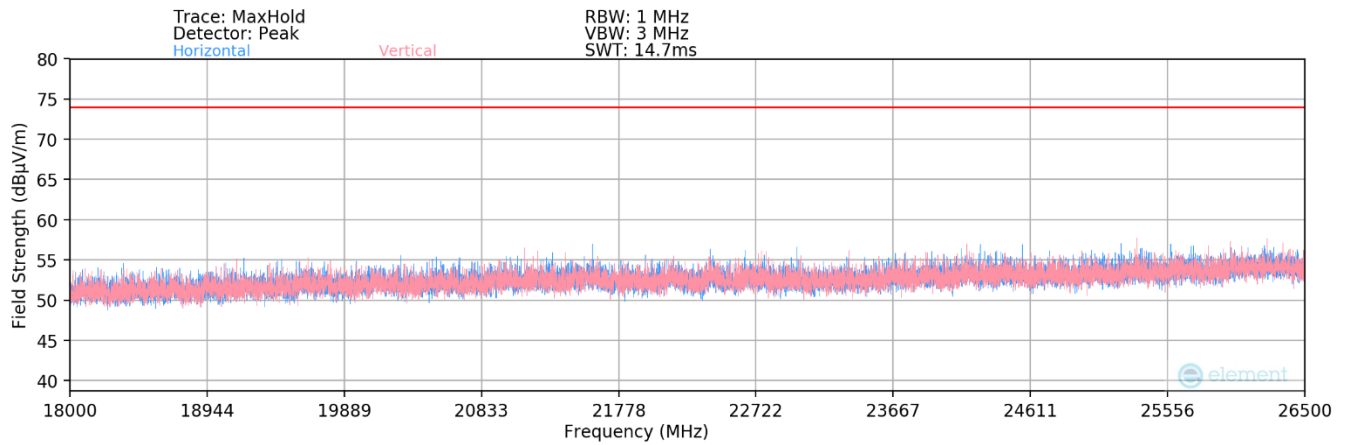
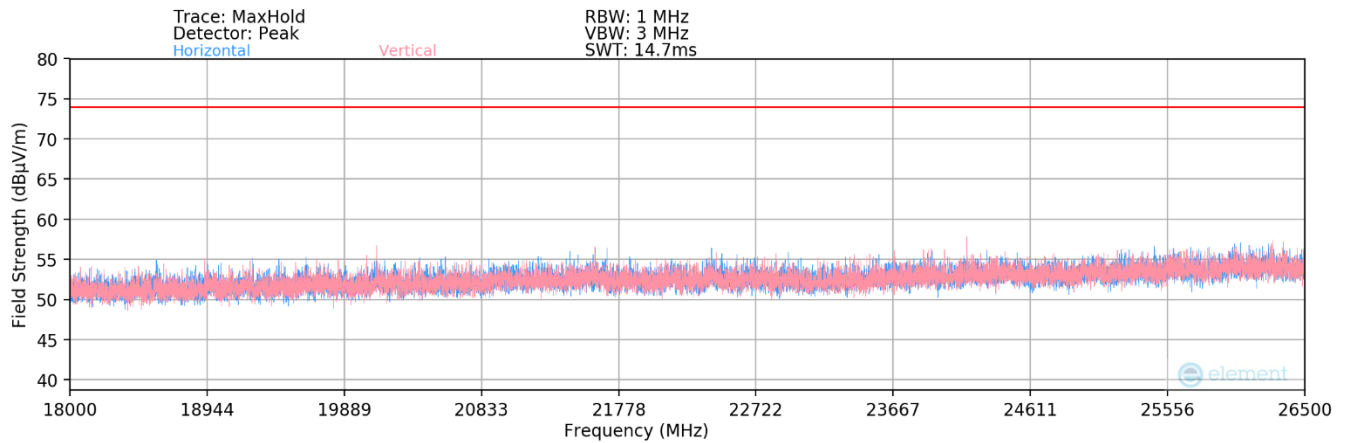


SISO Antenna-1 Radiated Spurious Emissions Measurements (Above 18GHz)

§15.209; RSS-Gen [8.9]

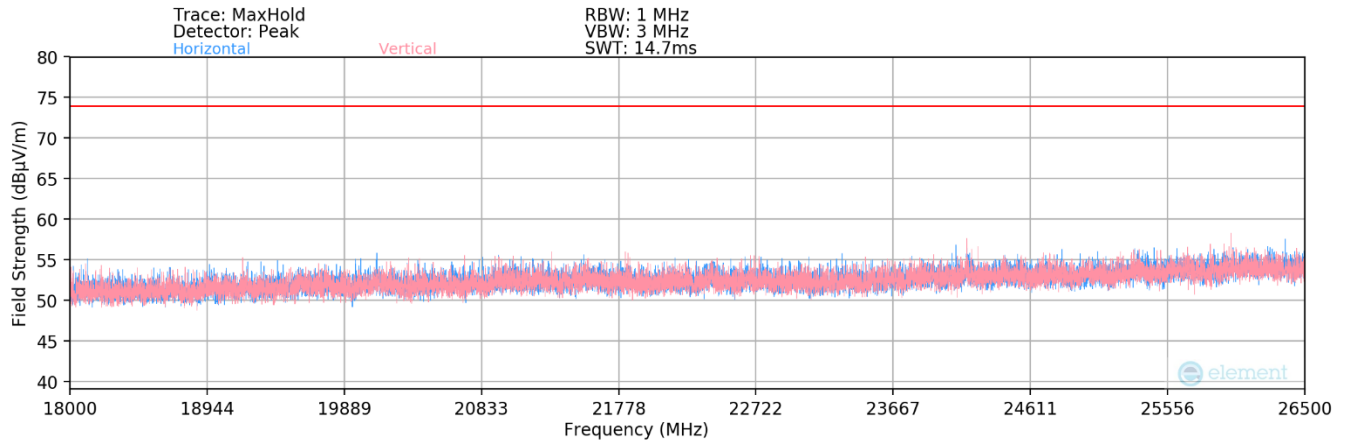


Plot 7-85. Radiated Spurious Plot above 18GHz SISO ANT1 (802.11ax OFDMA – 26 Tones) – Open

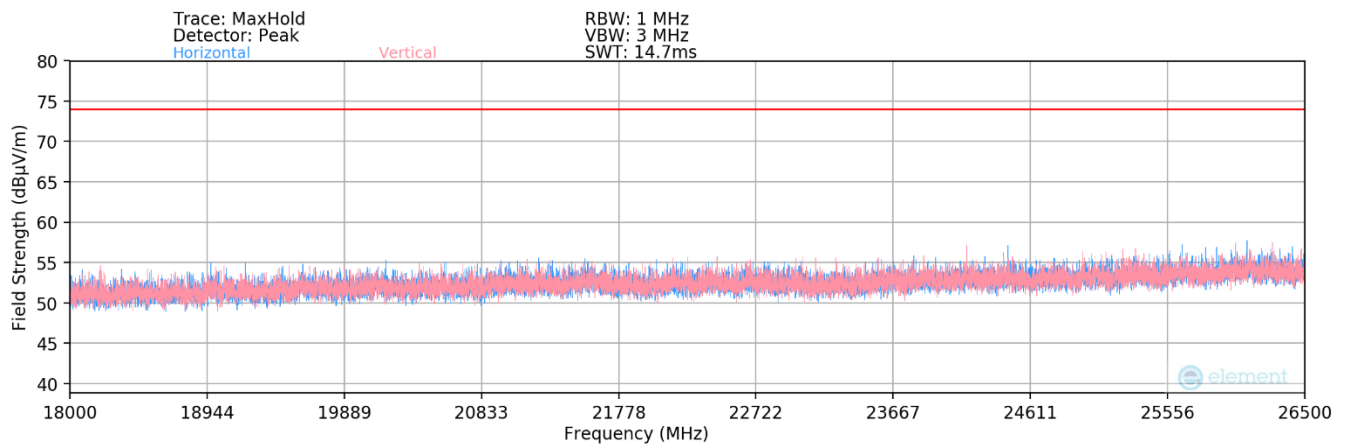


Plot 7-86. Radiated Spurious Plot above 18GHz SISO ANT1 (802.11ax OFDMA – 26 Tones) – Half Open

FCC ID: A3LSMF721JPN	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2206140073-10-R1.A3L	Test Dates: 4/8/2022-8/1/2022	EUT Type: Portable Handset	Page 79 of 120



Plot 7-87. Radiated Spurious Plot above 18GHz SISO ANT1 (802.11ax OFDMA – 242 Tones) – Open



Plot 7-88. Radiated Spurious Plot above 18GHz SISO ANT1 (802.11ax OFDMA – 242 Tones) – Half Open

FCC ID: A3LSMF721JPN	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2206140073-10-R1.A3L	Test Dates: 4/8/2022-8/1/2022	EUT Type: Portable Handset	Page 80 of 120

V9.0 02/01/2019

SISO Antenna-1 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:	0
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	143	12	-77.13	7.68	37.55	53.98	-16.43
4824.00	Peak	H	143	12	-67.16	7.68	47.52	73.98	-26.46
12060.00	Avg	H	-	-	-81.42	18.40	43.98	53.98	-10.00
12060.00	Peak	H	-	-	-71.40	18.40	54.00	73.98	-19.98

Table 7-20. Radiated Measurements SISO ANT1 (26 Tones)

Worst Case Mode:	802.11ax OFDMA
Worst Case Transfer Rate:	MCS0
RU Index:	4
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	133	292	-79.07	7.34	35.27	53.98	-18.71
4874.00	Peak	H	133	292	-68.37	7.34	45.97	73.98	-28.01
7311.00	Avg	H	108	80	-77.01	12.49	42.48	53.98	-11.50
7311.00	Peak	H	108	80	-65.65	12.49	53.84	73.98	-20.14
12185.00	Avg	H	-	-	-81.89	19.42	44.53	53.98	-9.45
12185.00	Peak	H	-	-	-71.52	19.42	54.90	73.98	-19.08

Table 7-21. Radiated Measurements SISO ANT1 (26 Tones)

FCC ID: A3LSMF721JPN	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2206140073-10-R1.A3L	Test Dates: 4/8/2022-8/1/2022	EUT Type: Portable Handset	Page 81 of 120

V9.0 02/01/2019

Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS0
 RU Index: 0
 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	261	60	-79.20	7.61	35.41	53.98	-18.57
4924.00	Peak	H	261	60	-69.85	7.61	44.76	73.98	-29.22
7386.00	Avg	H	113	61	-79.13	12.37	40.24	53.98	-13.74
7386.00	Peak	H	113	61	-68.37	12.37	51.00	73.98	-22.98
12310.00	Avg	H	-	-	-82.06	19.09	44.03	53.98	-9.95
12310.00	Peak	H	-	-	-71.65	19.09	54.44	73.98	-19.54

Table 7-22. Radiated Measurements SISO ANT1 (26 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	-	-	-78.46	7.68	36.22	53.98	-17.76
4824.00	Peak	H	-	-	-67.28	7.68	47.40	73.98	-26.58
12060.00	Avg	H	-	-	-81.43	18.40	43.97	53.98	-10.01
12060.00	Peak	H	-	-	-70.89	18.40	54.51	73.98	-19.47

Table 7-23. Radiated Measurements SISO ANT1 (242 Tones)

FCC ID: A3LSMF721JPN	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2206140073-10-R1.A3L	Test Dates: 4/8/2022-8/1/2022	EUT Type: Portable Handset	Page 82 of 120

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	-	-	-78.73	7.34	35.61	53.98	-18.37
4874.00	Peak	H	-	-	-67.66	7.34	46.68	73.98	-27.30
7311.00	Avg	H	126	302	-78.78	12.49	40.71	53.98	-13.27
7311.00	Peak	H	126	302	-67.41	12.49	52.08	73.98	-21.90
12185.00	Avg	H	-	-	-81.87	19.42	44.55	53.98	-9.43
12185.00	Peak	H	-	-	-70.78	19.42	55.64	73.98	-18.34

Table 7-24. Radiated Measurements SISO ANT1 (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

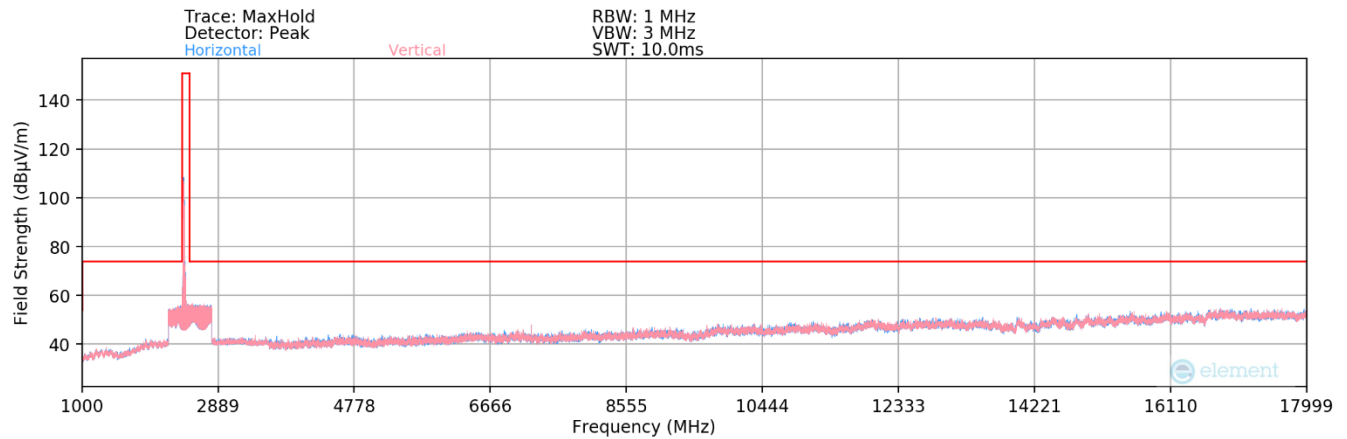
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
4924.00	Avg	H	-	-	-78.42	7.61	36.19	53.98	-17.79
4924.00	Peak	H	-	-	-67.40	7.61	47.21	73.98	-26.77
7386.00	Avg	H	-	-	-79.67	12.37	39.70	53.98	-14.28
7386.00	Peak	H	-	-	-68.68	12.37	50.69	73.98	-23.29
12310.00	Avg	H	-	-	-81.98	19.09	44.11	53.98	-9.87
12310.00	Peak	H	-	-	-70.76	19.09	55.33	73.98	-18.65

Table 7-25. Radiated Measurements SISO ANT1 (242 Tones)

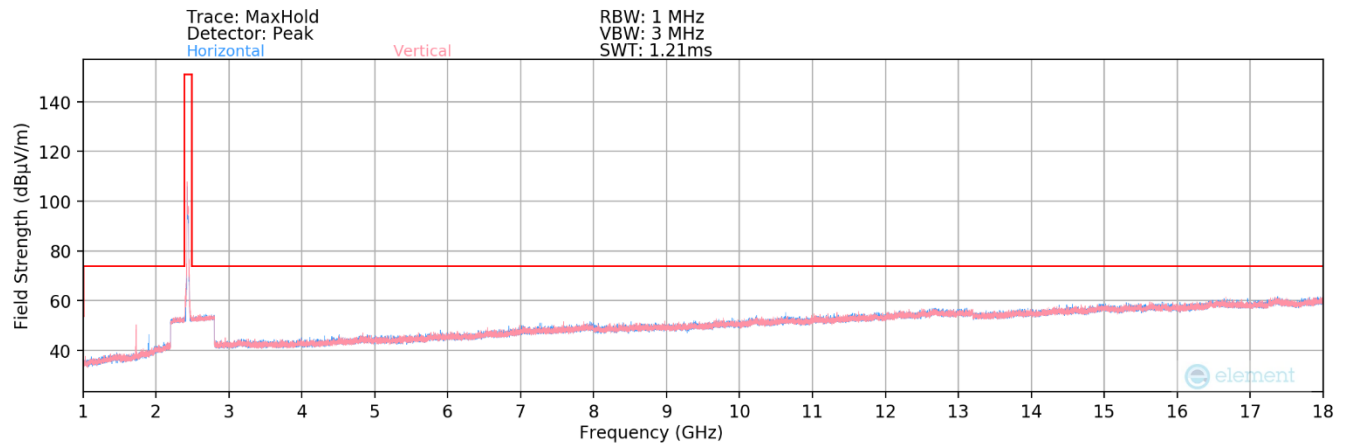
FCC ID: A3LSMF721JPN	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2206140073-10-R1.A3L	Test Dates: 4/8/2022-8/1/2022	EUT Type: Portable Handset	Page 83 of 120

7.7.2 SISO Antenna-2 Radiated Spurious Emission Measurements

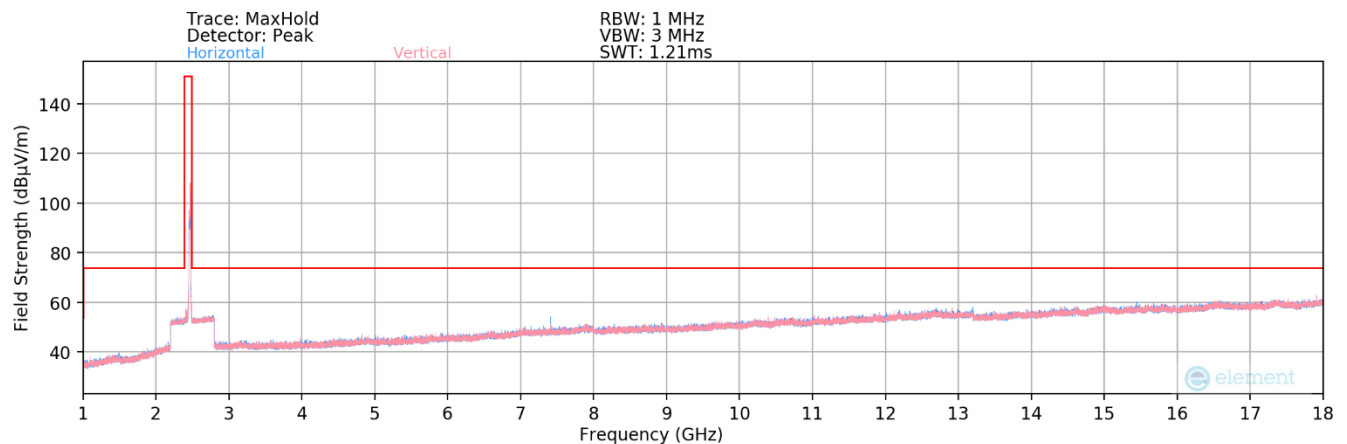
§15.247(d) §15.205 & §15.209; RSS-Gen [8.9]



Plot 7-89. Radiated Spurious Plot above 1GHz SISO ANT2 (802.11ax OFDMA – 26 Tones – Ch. 1) – Half Open



Plot 7-90. Radiated Spurious Plot above 1GHz SISO ANT2 (802.11ax OFDMA – 26 Tones – Ch. 6) – Half Open

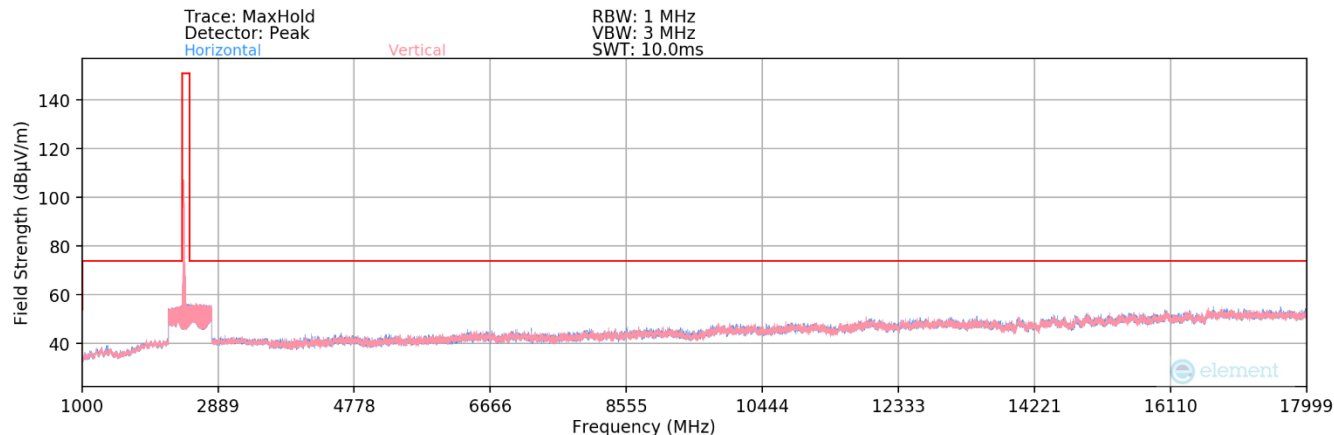


Plot 7-91. Radiated Spurious Plot above 1GHz SISO ANT2 (802.11ax OFDMA – 26 Tones – Ch. 11) – Half Open

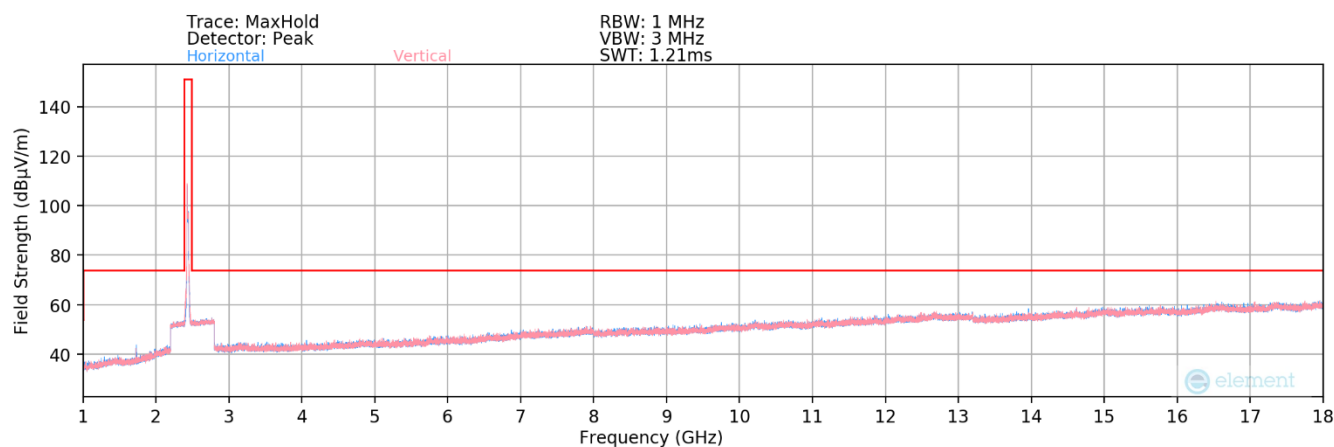
FCC ID: A3LSMF721JPN	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2206140073-10-R1.A3L	Test Dates: 4/8/2022-8/1/2022	EUT Type: Portable Handset	Page 84 of 120

V9.0 02/01/2019

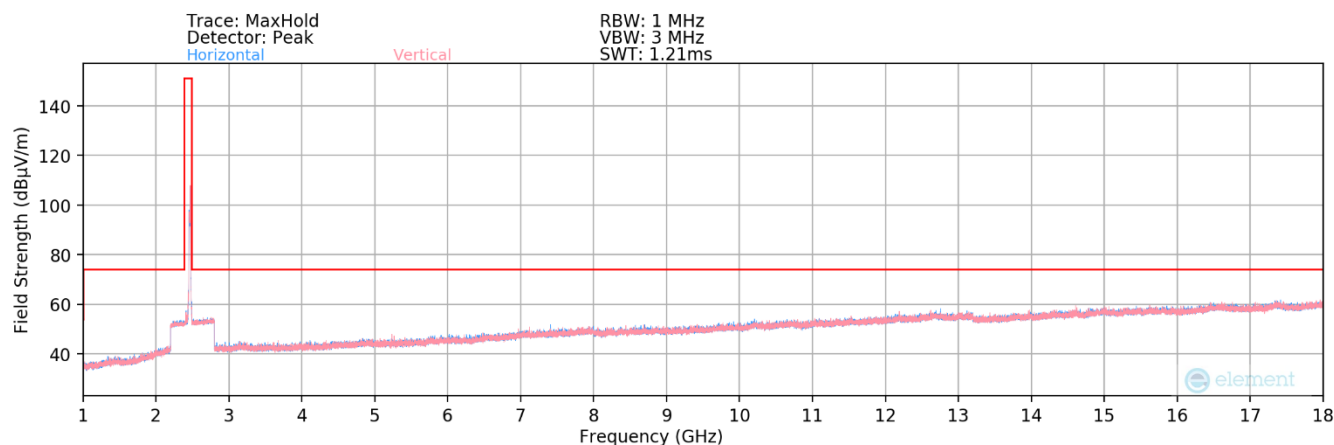
Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without written permission from Element. If you have any questions about this or have an inquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Plot 7-92. Radiated Spurious Plot above 1GHz SISO ANT2 (802.11ax OFDMA – 26 Tones – Ch. 1) – Open

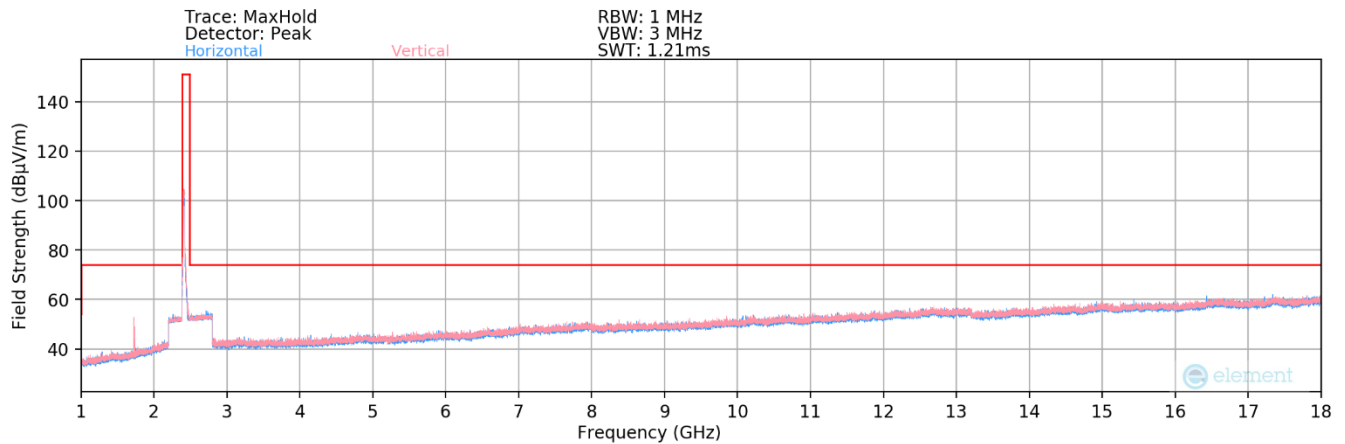


Plot 7-93. Radiated Spurious Plot above 1GHz SISO ANT2 (802.11ax OFDMA – 26 Tones – Ch. 6) – Open

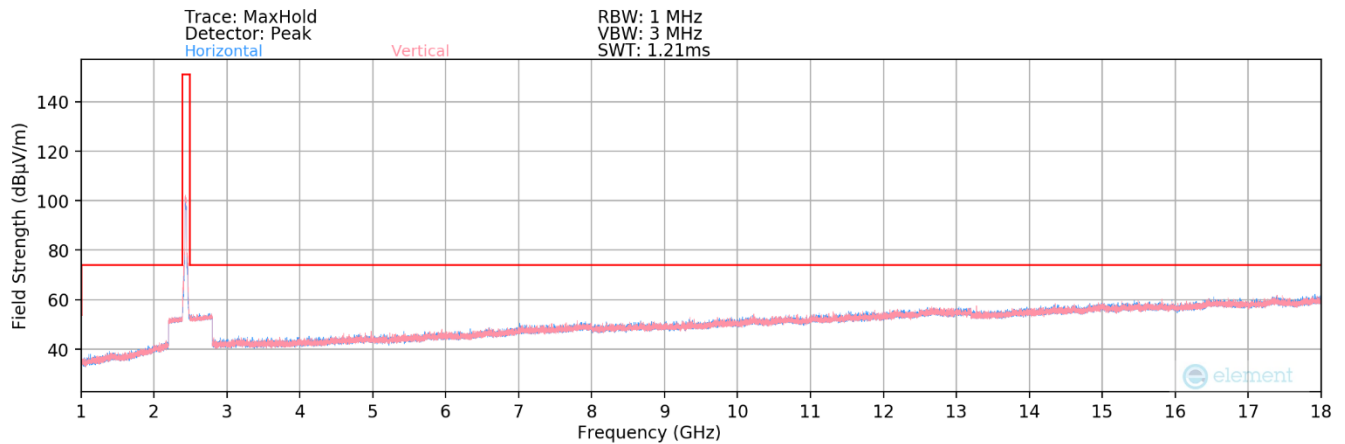


Plot 7-94. Radiated Spurious Plot above 1GHz SISO ANT2 (802.11ax OFDMA – 26 Tones – Ch. 11) – Open

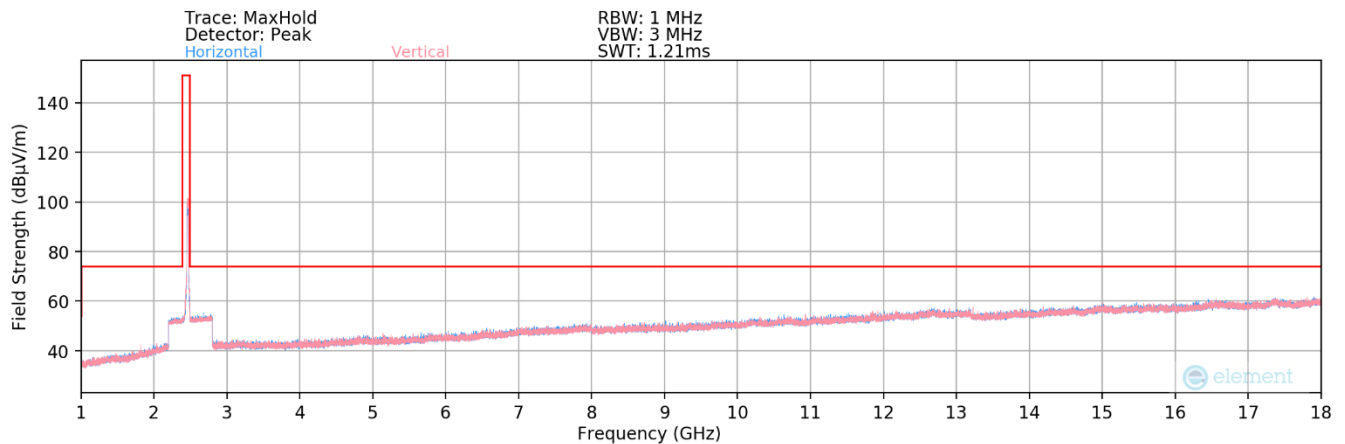
FCC ID: A3LSMF721JPN	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2206140073-10-R1.A3L	Test Dates: 4/8/2022-8/1/2022	EUT Type: Portable Handset	Page 85 of 120



Plot 7-95. Radiated Spurious Plot above 1GHz SISO ANT2 (802.11ax OFDMA – 242 Tones – Ch. 1) – Half Open



Plot 7-96. Radiated Spurious Plot above 1GHz SISO ANT2 (802.11ax OFDMA – 242 Tones – Ch. 6) – Half Open

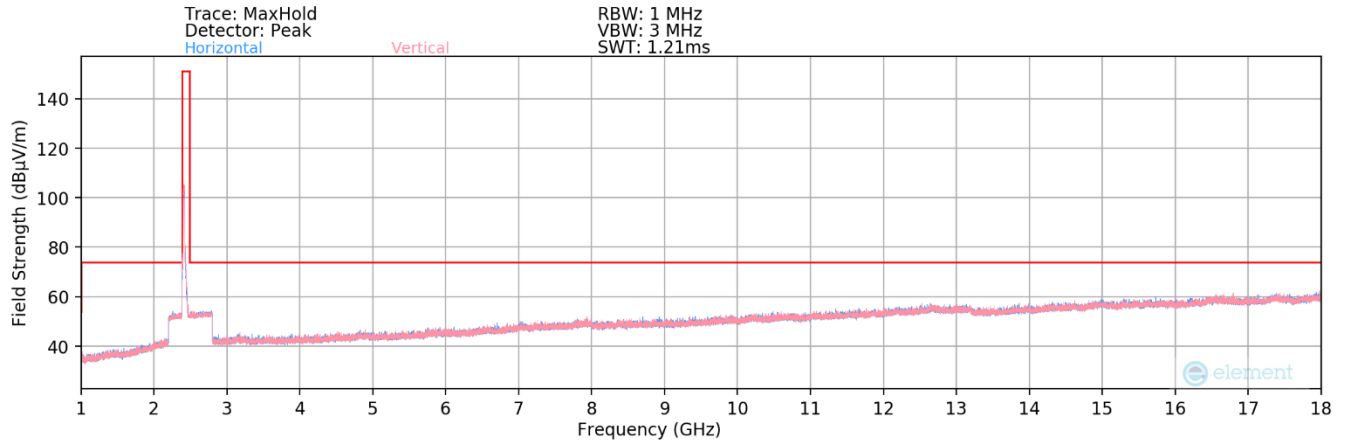


Plot 7-97. Radiated Spurious Plot above 1GHz SISO ANT2 (802.11ax OFDMA – 242 Tones – Ch. 11) – Half Open

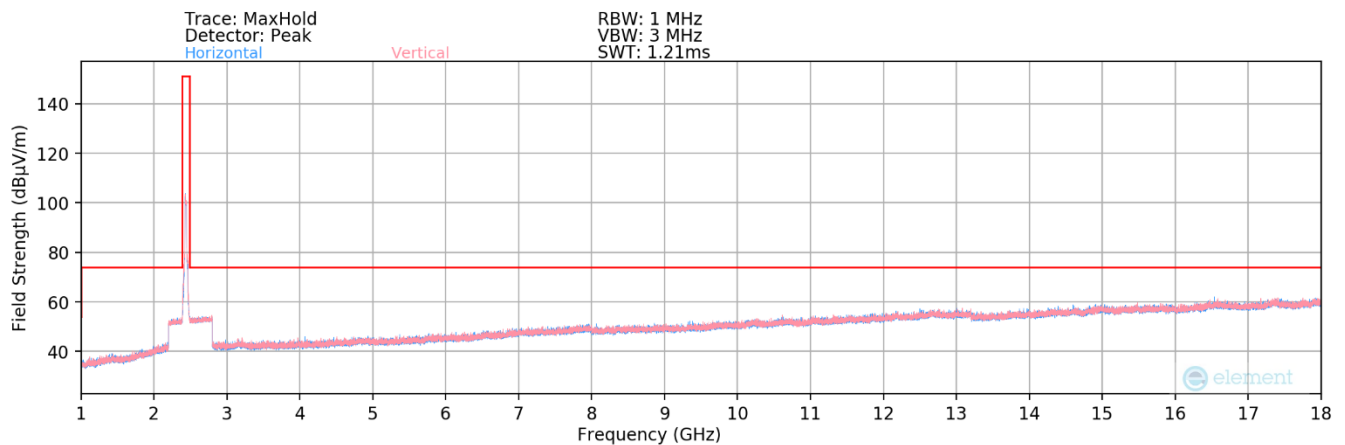
FCC ID: A3LSMF721JPN	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2206140073-10-R1.A3L	Test Dates: 4/8/2022-8/1/2022	EUT Type: Portable Handset	Page 86 of 120

V9.0 02/01/2019

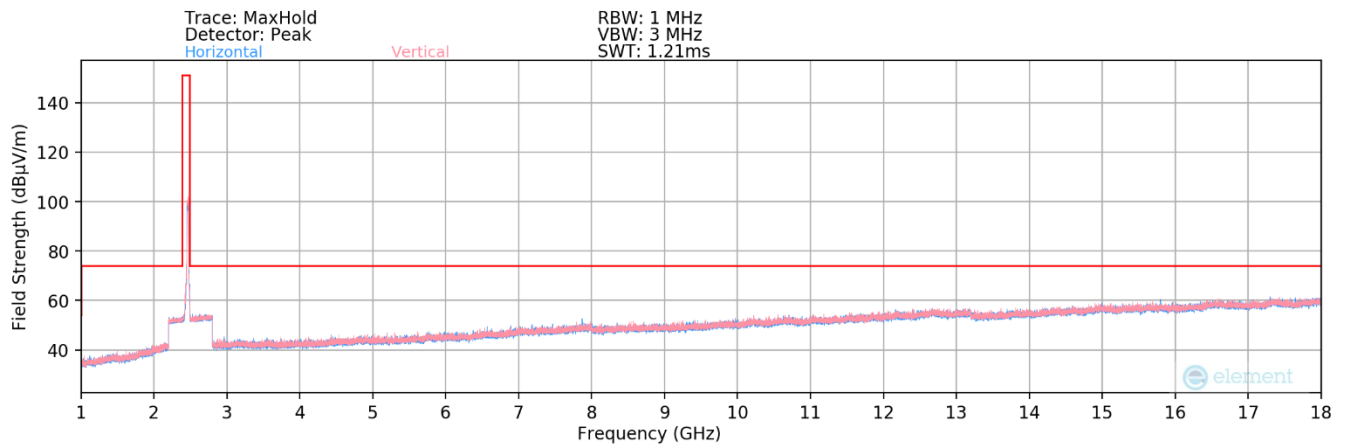
Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without written permission from Element. If you have any questions about this or have an inquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Plot 7-98. Radiated Spurious Plot above 1GHz SISO ANT2 (802.11ax OFDMA – 242 Tones – Ch. 1) – Open



Plot 7-99. Radiated Spurious Plot above 1GHz SISO ANT2 (802.11ax OFDMA – 242 Tones – Ch. 6) – Open



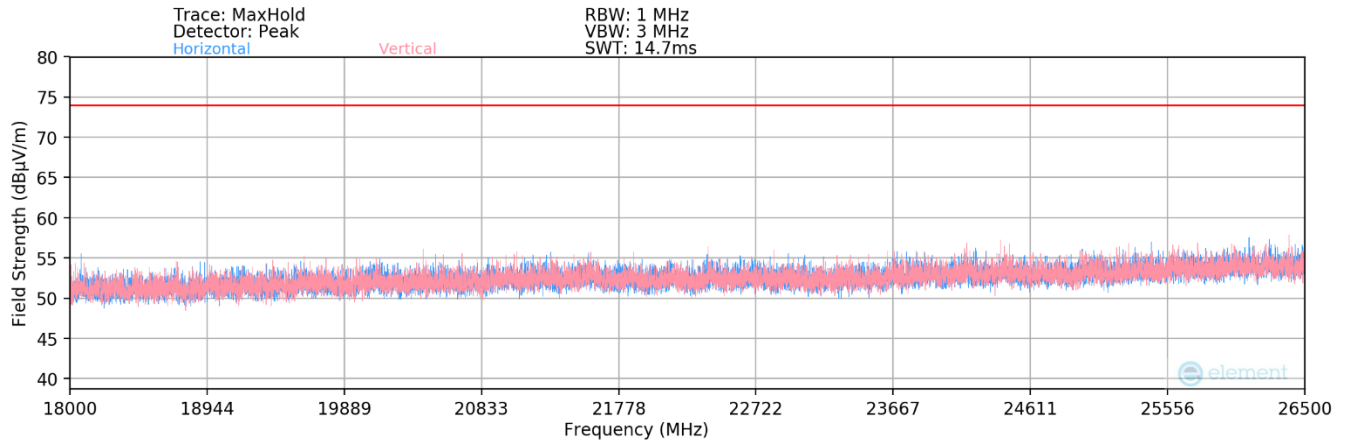
Plot 7-100. Radiated Spurious Plot above 1GHz SISO ANT2 (802.11ax OFDMA – 242 Tones – Ch. 11) – Open

FCC ID: A3LSMF721JPN	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2206140073-10-R1.A3L	Test Dates: 4/8/2022-8/1/2022	EUT Type: Portable Handset	Page 87 of 120

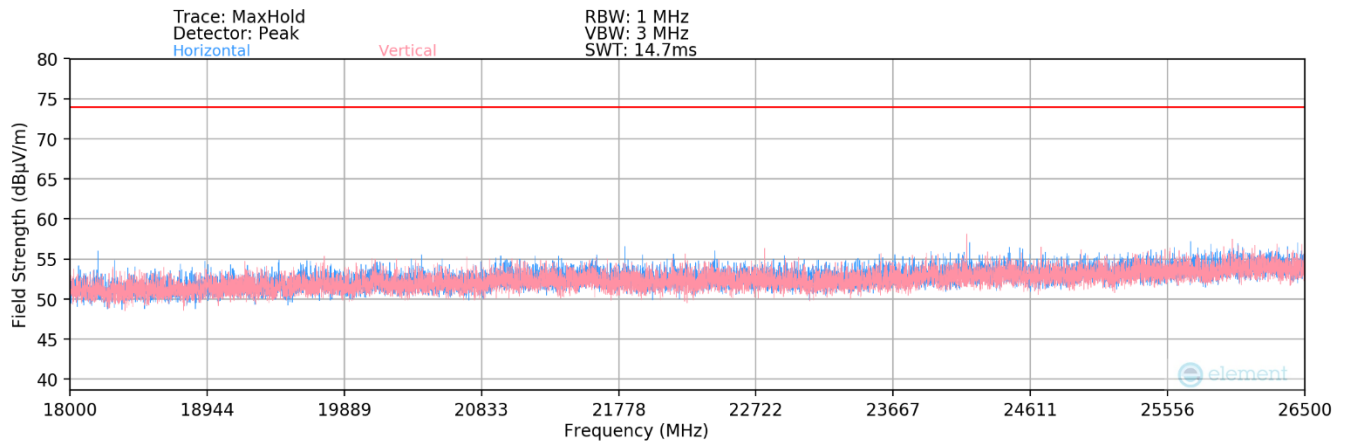
V9.0 02/01/2019

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

§15.209; RSS-Gen [8.9]



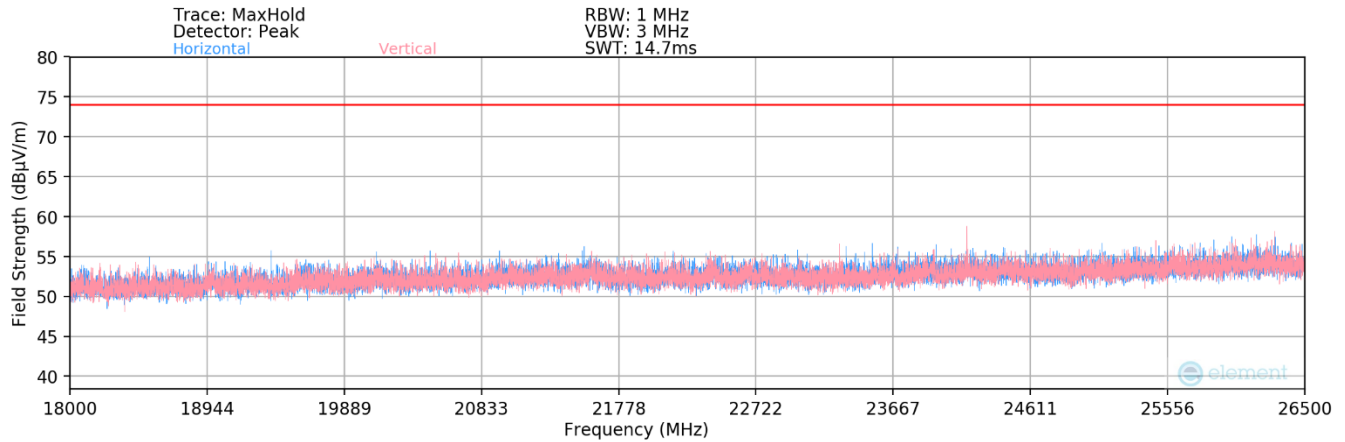
Plot 7-101. Radiated Spurious Plot above 18GHz SISO ANT2 (802.11ax OFDMA – 26 Tones) – Half Open



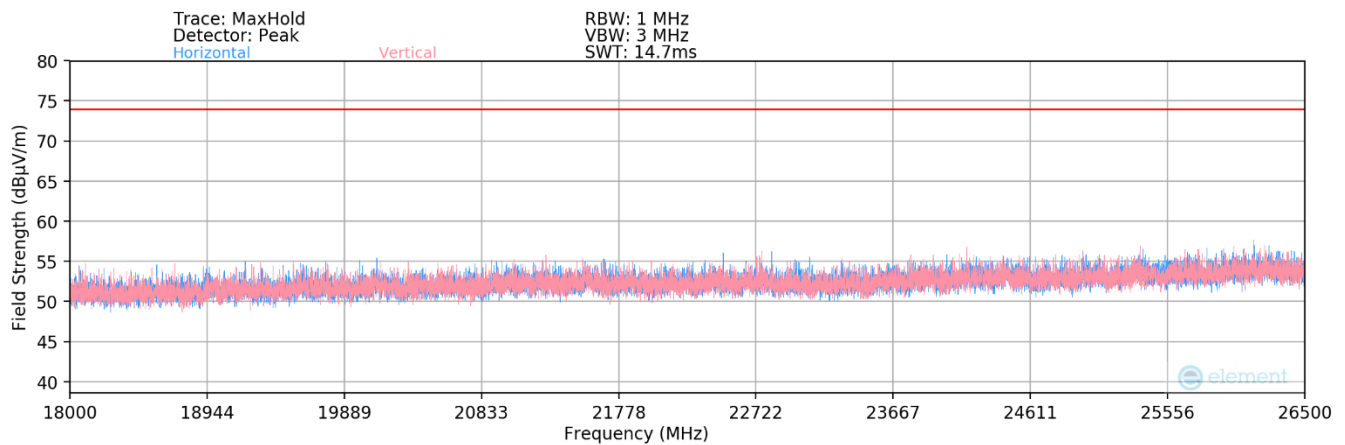
Plot 7-102. Radiated Spurious Plot above 18GHz SISO ANT2 (802.11ax OFDMA – 26 Tones) – Open

FCC ID: A3LSMF721JPN	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2206140073-10-R1.A3L	Test Dates: 4/8/2022-8/1/2022	EUT Type: Portable Handset	Page 88 of 120

V9.0 02/01/2019



Plot 7-103. Radiated Spurious Plot above 18GHz SISO ANT2 (802.11ax OFDMA – 242 Tones) – Half Open



Plot 7-104. Radiated Spurious Plot above 18GHz SISO ANT2 (802.11ax OFDMA – 242 Tones) – Open

FCC ID: A3LSMF721JPN	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2206140073-10-R1.A3L	Test Dates: 4/8/2022-8/1/2022	EUT Type: Portable Handset	Page 89 of 120

V9.0 02/01/2019

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:	8
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	-	-	-79.46	7.68	35.22	53.98	-18.76
4824.00	Peak	H	-	-	-68.02	7.68	46.66	73.98	-27.32
12060.00	Avg	H	-	-	-81.49	18.40	43.91	53.98	-10.07
12060.00	Peak	H	-	-	-70.72	18.40	54.68	73.98	-19.30

Table 7-26. Radiated Measurements SISO ANT2 (26 Tones) – Half Open

Worst Case Mode:	802.11ax OFDMA
Worst Case Transfer Rate:	MCS0
RU Index:	0
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	-	-	-79.54	7.34	34.80	53.98	-19.18
4874.00	Peak	H	-	-	-68.35	7.34	45.99	73.98	-27.99
7311.00	Avg	H	207	49	-80.49	12.49	39.00	53.98	-14.98
7311.00	Peak	H	207	49	-63.44	12.49	56.05	73.98	-17.93
12185.00	Avg	H	-	-	-82.11	19.42	44.31	53.98	-9.67
12185.00	Peak	H	-	-	-71.10	19.42	55.32	73.98	-18.66

Table 7-27. Radiated Measurements SISO ANT2 (26 Tones) – Half Open

FCC ID: A3LSMF721JPN	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2206140073-10-R1.A3L	Test Dates: 4/8/2022-8/1/2022	EUT Type: Portable Handset	Page 90 of 120

V9.0 02/01/2019

Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS0
 RU Index: 8
 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	-	-	-78.62	7.61	35.99	53.98	-17.99
4924.00	Peak	H	-	-	-67.91	7.61	46.70	73.98	-27.28
7386.00	Avg	H	-	-	-80.17	12.37	39.20	53.98	-14.78
7386.00	Peak	H	-	-	-70.85	12.37	48.52	73.98	-25.46
12310.00	Avg	H	-	-	-82.18	19.09	43.91	53.98	-10.07
12310.00	Peak	H	-	-	-71.44	19.09	54.65	73.98	-19.33

Table 7-28. Radiated Measurements SISO ANT2 (26 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	-	-	-79.39	7.68	35.29	53.98	-18.69
4824.00	Peak	H	-	-	-67.42	7.68	47.26	73.98	-26.72
12060.00	Avg	H	-	-	-81.33	18.40	44.07	53.98	-9.91
12060.00	Peak	H	-	-	-69.73	18.40	55.67	73.98	-18.31

Table 7-29. Radiated Measurements SISO ANT2 (242 Tones)

FCC ID: A3LSMF721JPN	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2206140073-10-R1.A3L	Test Dates: 4/8/2022-8/1/2022	EUT Type: Portable Handset	Page 91 of 120

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	-	-	-79.47	7.34	34.87	53.98	-19.11
4874.00	Peak	H	-	-	-68.32	7.34	46.02	73.98	-27.96
7311.00	Avg	H	211	60	-79.05	12.49	40.44	53.98	-13.54
7311.00	Peak	H	211	60	-67.84	12.49	51.65	73.98	-22.33
12185.00	Avg	H	-	-	-82.21	19.42	44.21	53.98	-9.77
12185.00	Peak	H	-	-	-71.32	19.42	55.10	73.98	-18.88

Table 7-30. 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

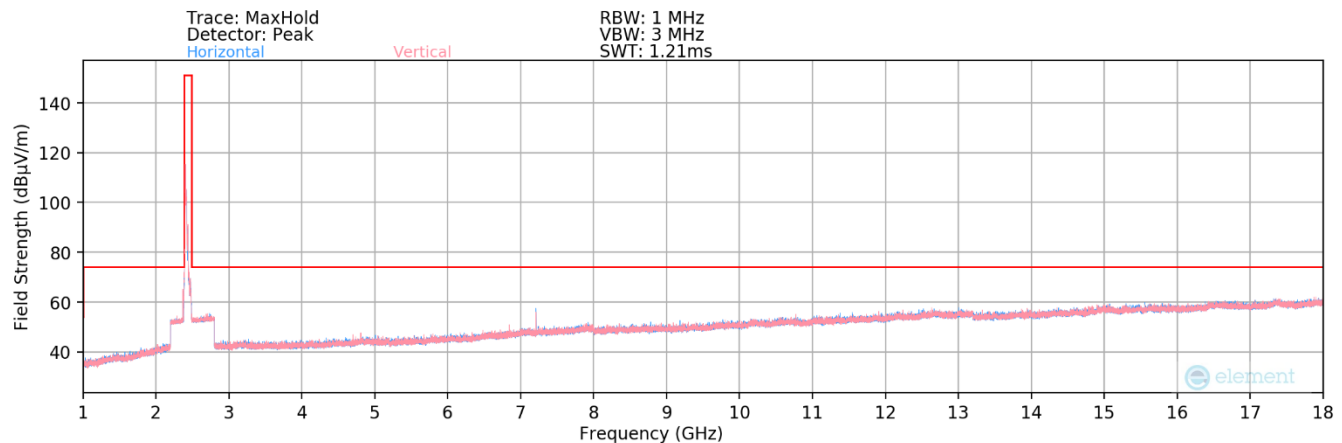
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	Q	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
4924.00	Avg	H	-	-	-79.26	7.61	35.35	53.98	-18.63
4924.00	Peak	H	-	-	-68.04	7.61	46.57	73.98	-27.41
7386.00	Avg	H	215	44	-78.86	12.37	40.51	53.98	-13.47
7386.00	Peak	H	215	44	-66.67	12.37	52.70	73.98	-21.28
12310.00	Avg	H	-	-	-82.47	19.09	43.62	53.98	-10.36
12310.00	Peak	H	-	-	-70.49	19.09	55.60	73.98	-18.38

Table 7-31. Radiated Measurements SISO ANT2 (242 Tones)

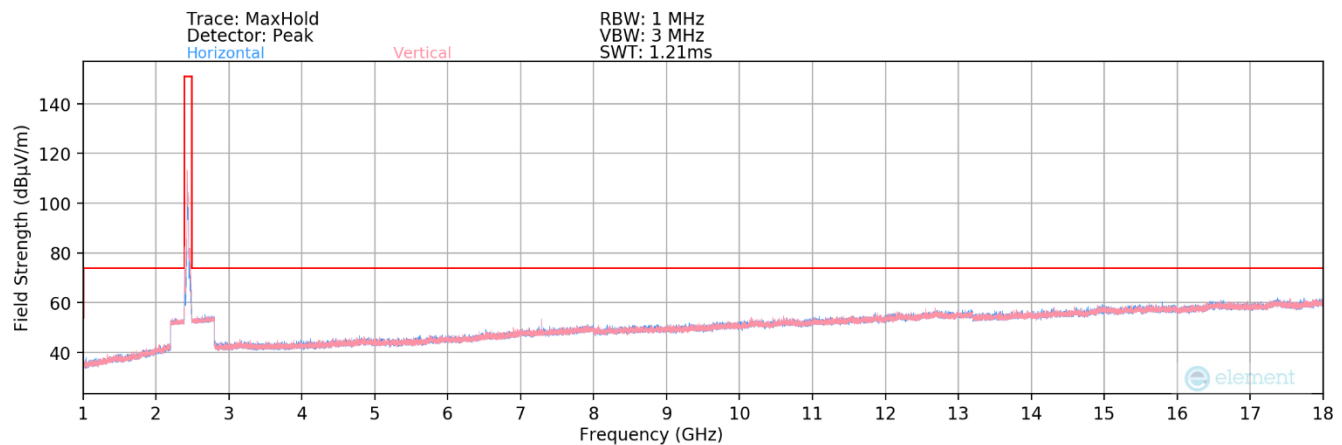
FCC ID: A3LSMF721JPN	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2206140073-10-R1.A3L	Test Dates: 4/8/2022-8/1/2022	EUT Type: Portable Handset	Page 92 of 120

7.7.3 MIMO Radiated Spurious Emission Measurements

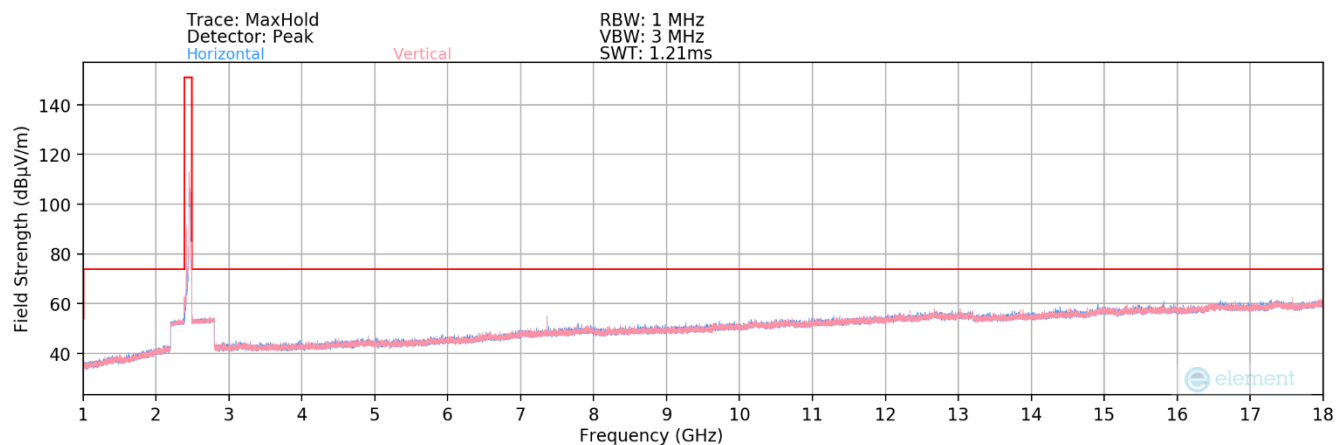
\$15.247(d) §15.205 & §15.209; RSS-Gen [8.9]



Plot 7-105. Radiated Spurious Plot above 1GHz MIMO (802.11ax OFDMA – 26 Tones – Ch. 1) – Half Open

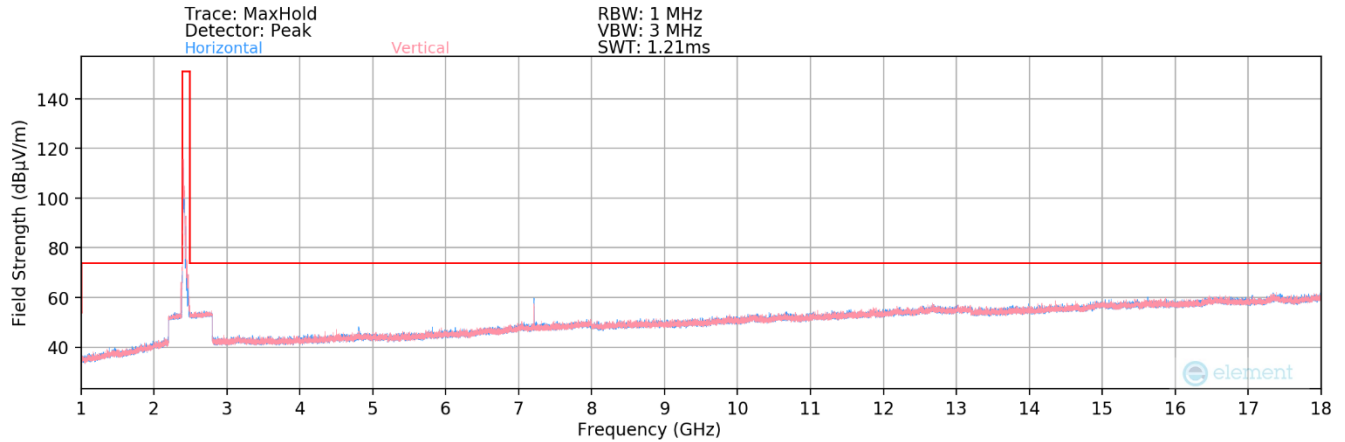


Plot 7-106. Radiated Spurious Plot above 1GHz MIMO (802.11ax OFDMA – 26 Tones – Ch. 6) – Half Open

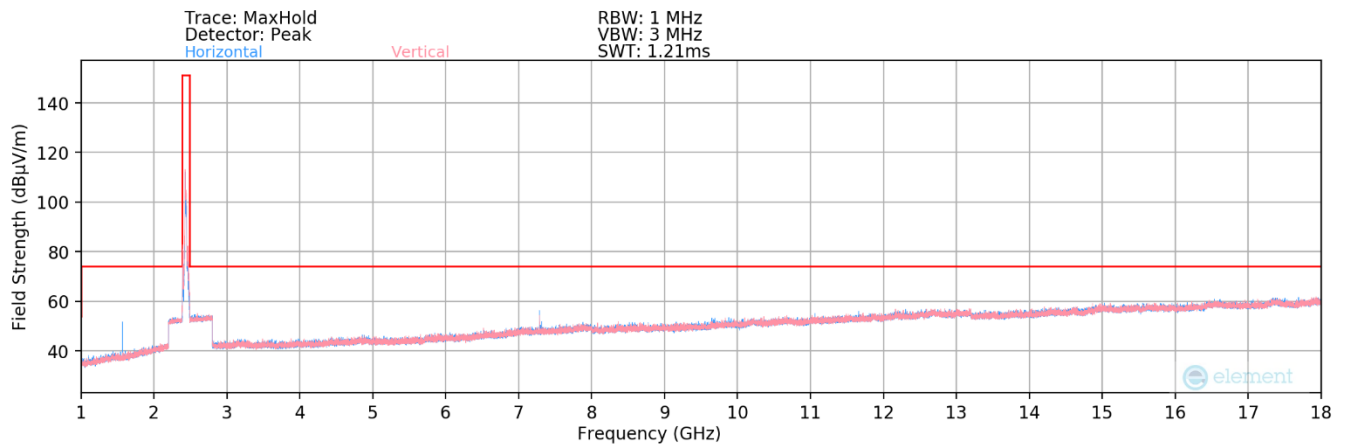


Plot 7-107. Radiated Spurious Plot above 1GHz MIMO (802.11ax OFDMA – 26 Tones – Ch. 11) – Half Open

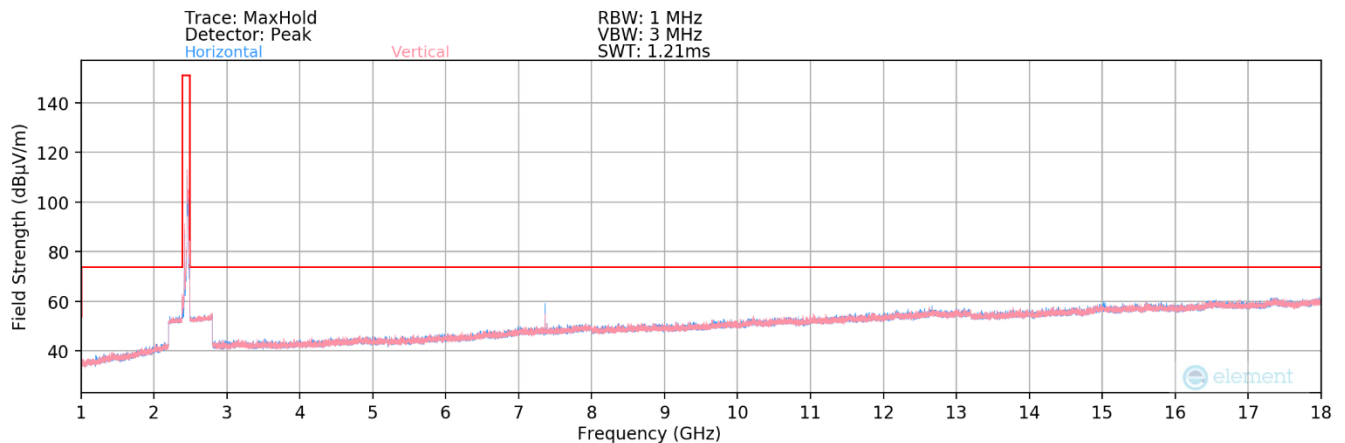
FCC ID: A3LSMF721JPN	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2206140073-10-R1.A3L	Test Dates: 4/8/2022-8/1/2022	EUT Type: Portable Handset	Page 93 of 120



Plot 7-108. Radiated Spurious Plot above 1GHz MIMO (802.11ax OFDMA – 26 Tones – Ch. 1) – Open

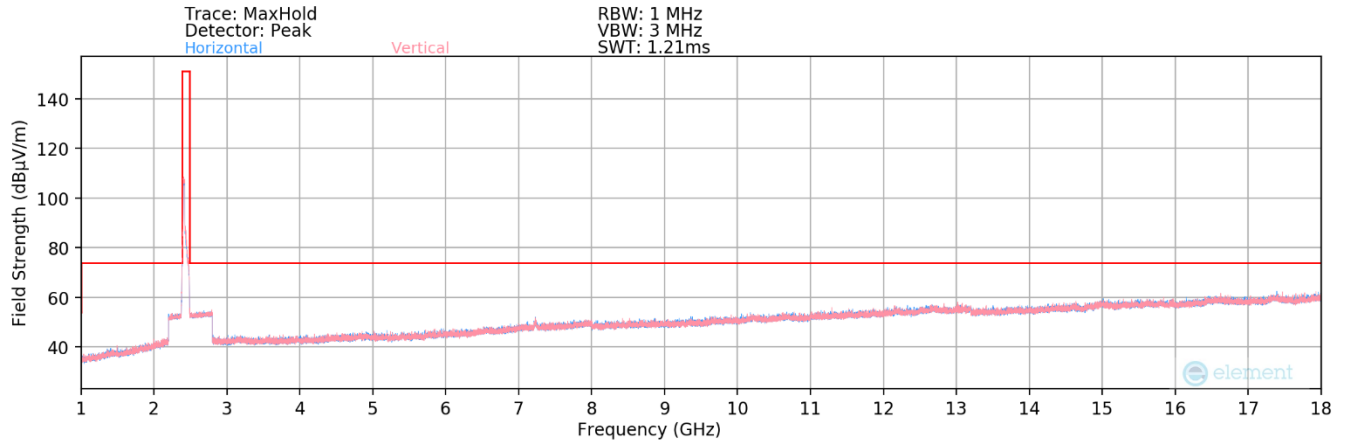


Plot 7-109. Radiated Spurious Plot above 1GHz MIMO (802.11ax OFDMA – 26 Tones – Ch. 6) – Open

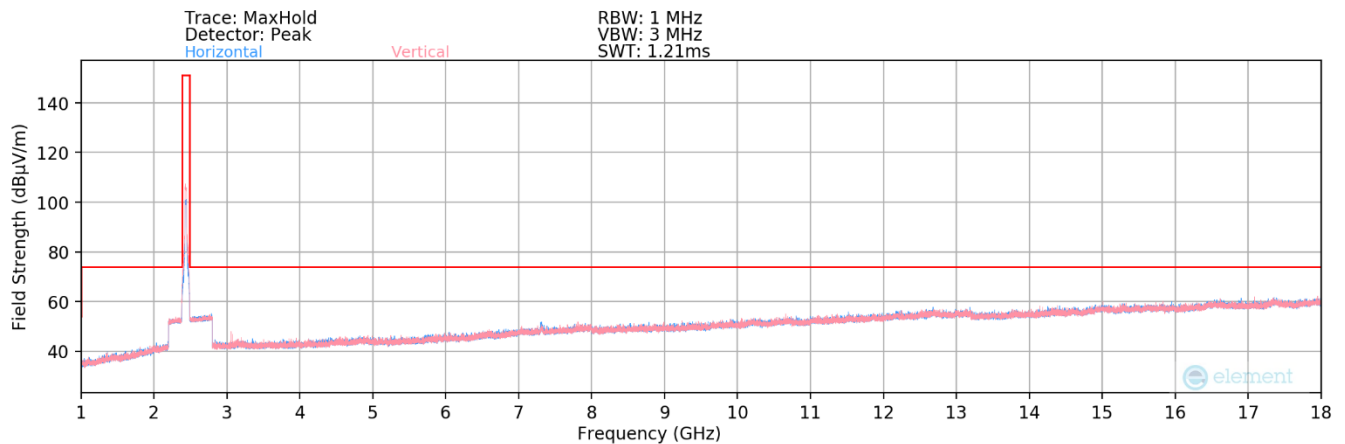


Plot 7-110. Radiated Spurious Plot above 1GHz MIMO (802.11ax OFDMA – 26 Tones – Ch. 11) – Open

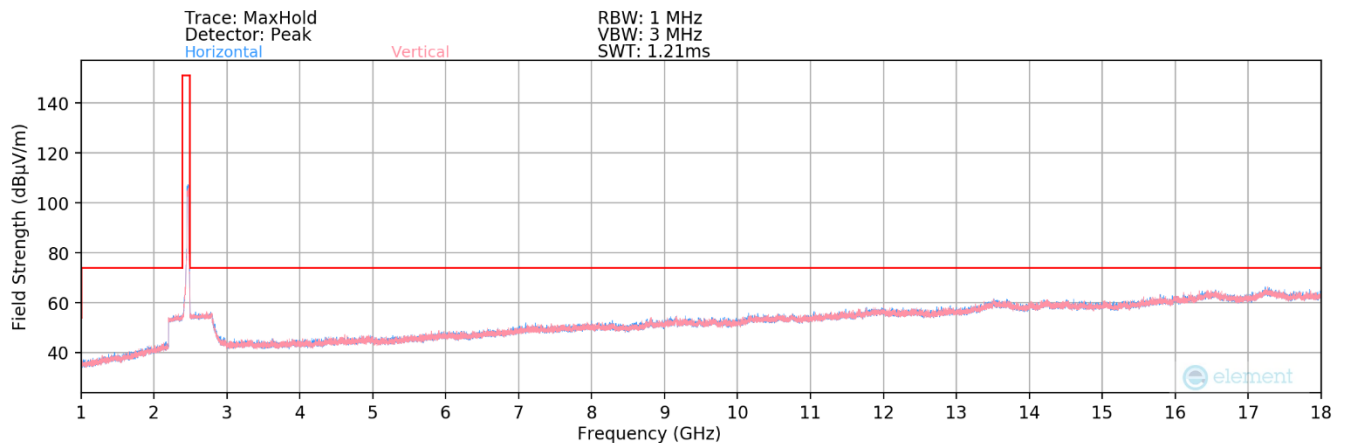
FCC ID: A3LSMF721JPN	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2206140073-10-R1.A3L	Test Dates: 4/8/2022-8/1/2022	EUT Type: Portable Handset	Page 94 of 120



Plot 7-111. Radiated Spurious Plot above 1GHz MIMO (802.11ax OFDMA – 242 Tones – Ch. 1) – Half Open

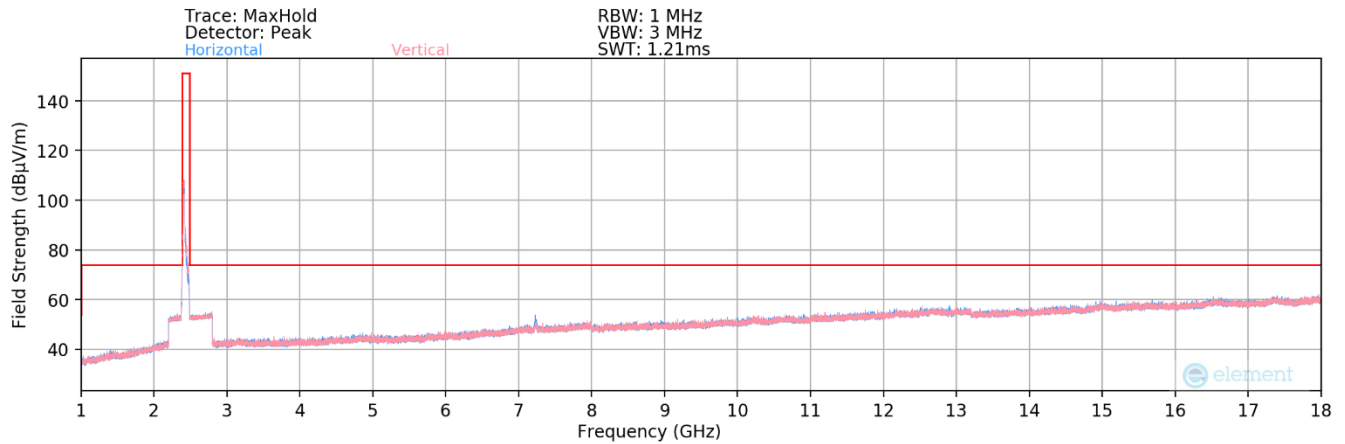


Plot 7-112. Radiated Spurious Plot above 1GHz MIMO (802.11ax OFDMA – 242 Tones – Ch. 6) – Half Open

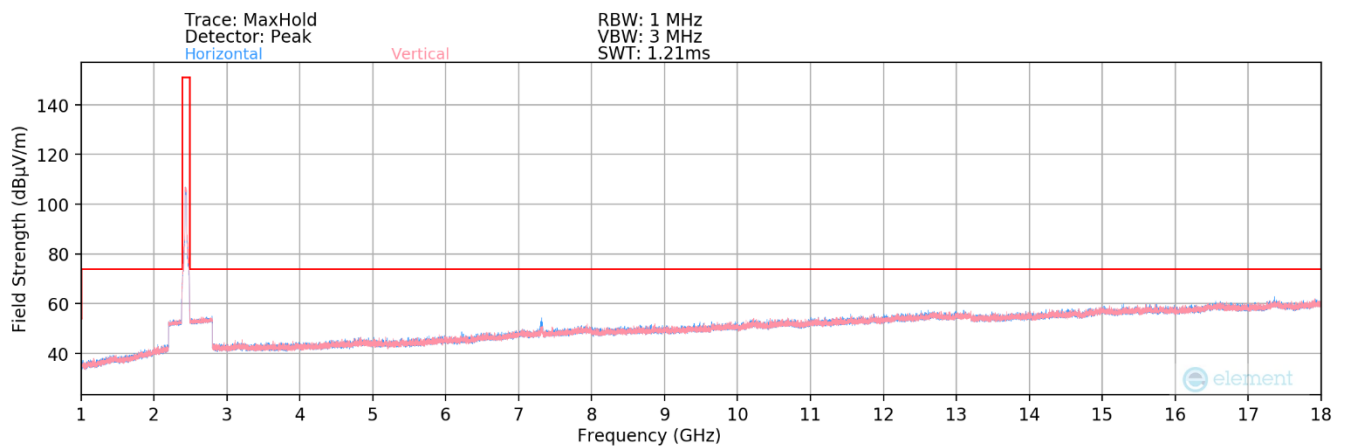


Plot 7-113. Radiated Spurious Plot above 1GHz MIMO (802.11ax OFDMA – 242 Tones – Ch. 11) – Half Open

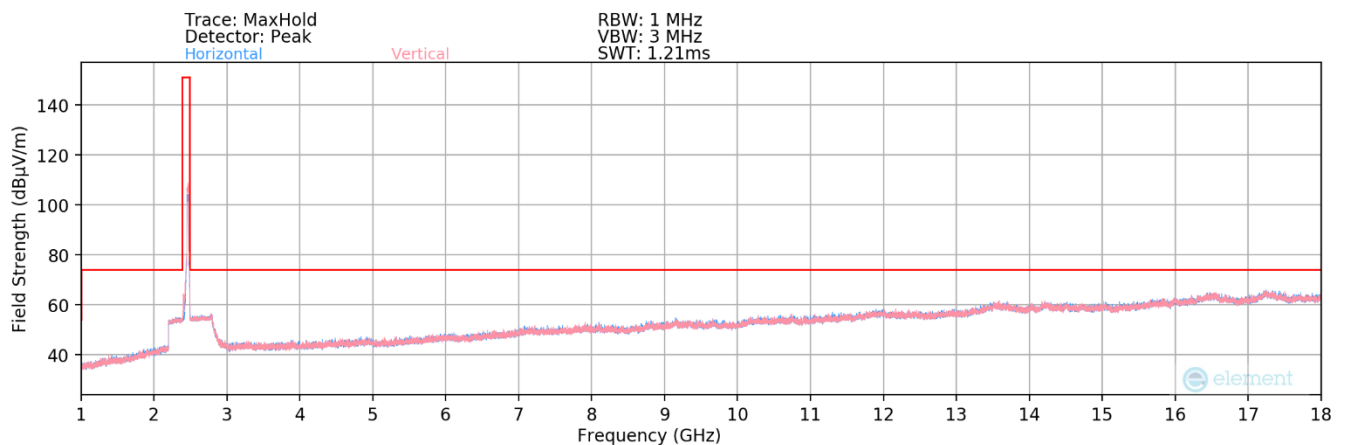
FCC ID: A3LSMF721JPN	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2206140073-10-R1.A3L	Test Dates: 4/8/2022-8/1/2022	EUT Type: Portable Handset	Page 95 of 120



Plot 7-114. Radiated Spurious Plot above 1GHz MIMO (802.11ax OFDMA – 242 Tones – Ch. 1) – Open



Plot 7-115. Radiated Spurious Plot above 1GHz MIMO (802.11ax OFDMA – 242 Tones – Ch. 6) – Open

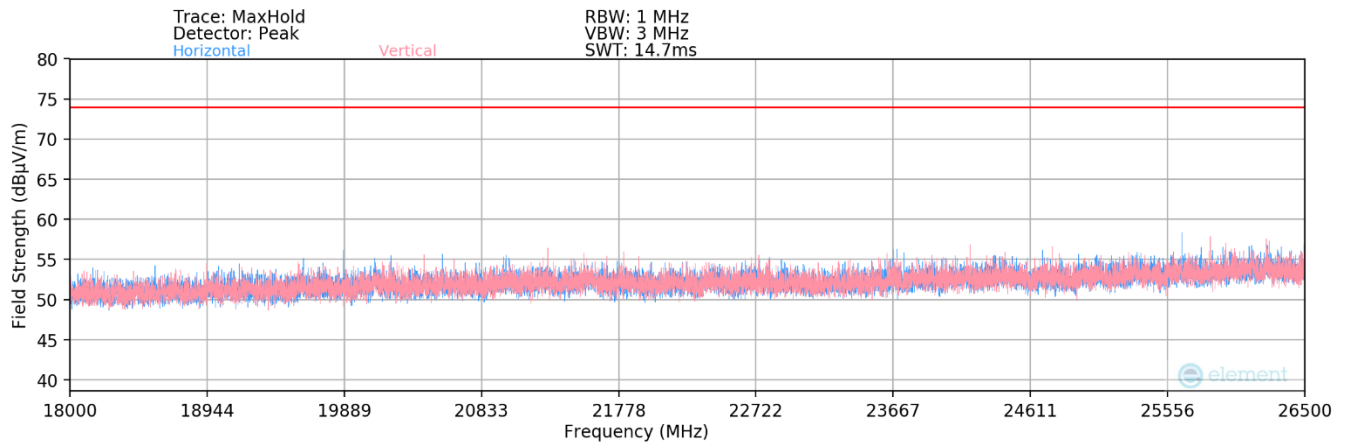


Plot 7-116. Radiated Spurious Plot above 1GHz MIMO (802.11ax OFDMA – 242 Tones – Ch. 11) – Open

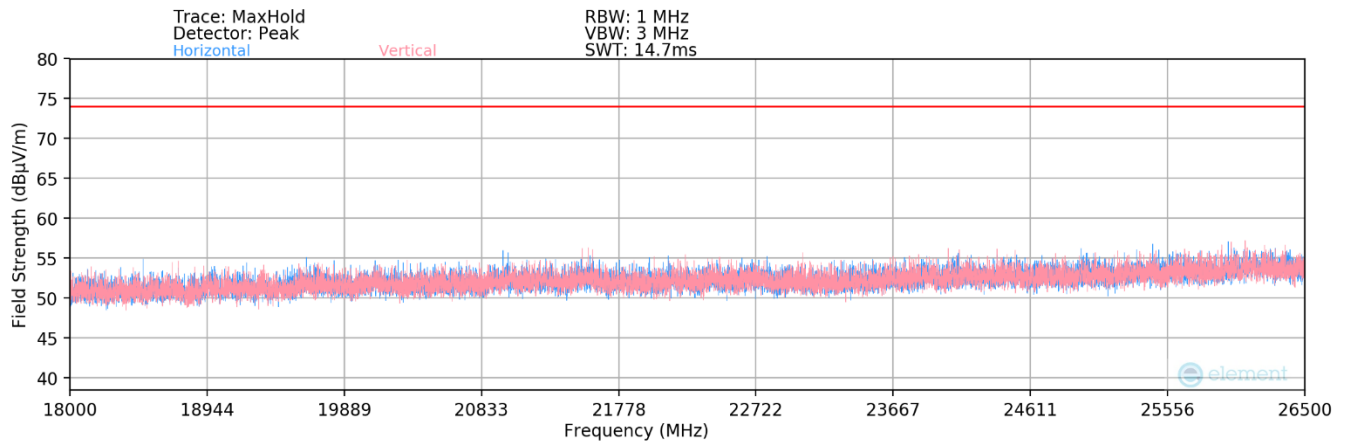
FCC ID: A3LSMF721JPN	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2206140073-10-R1.A3L	Test Dates: 4/8/2022-8/1/2022	EUT Type: Portable Handset	Page 96 of 120

MIMO Radiated Spurious Emissions Measurements (Above 18GHz)

§15.209; RSS-Gen [8.9]



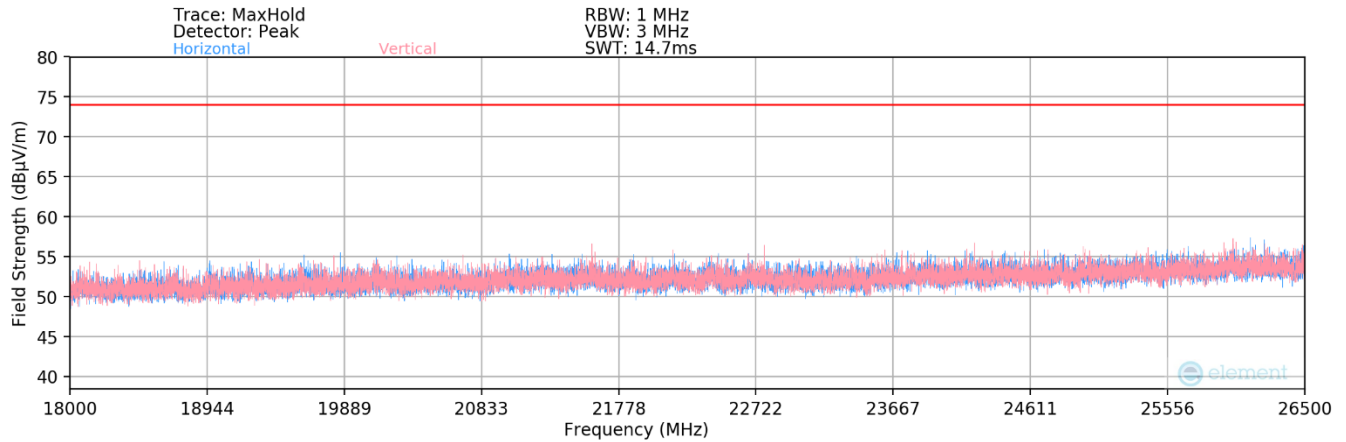
Plot 7-117. Radiated Spurious Plot above 18GHz MIMO (802.11ax OFDMA – 26 Tones) – Half Open



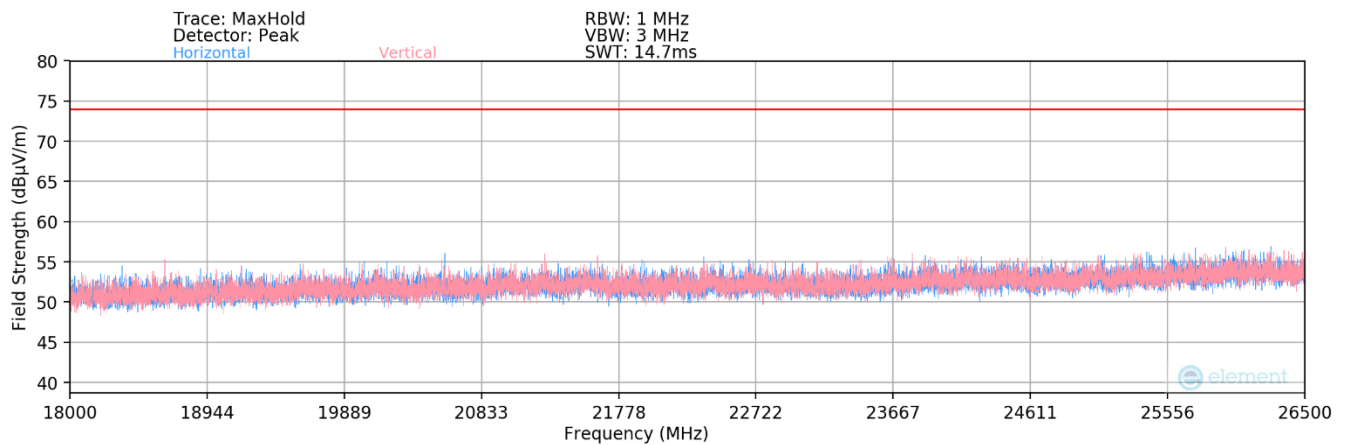
Plot 7-118. Radiated Spurious Plot above 18GHz MIMO (802.11ax OFDMA – 26 Tones) – Open

FCC ID: A3LSMF721JPN	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2206140073-10-R1.A3L	Test Dates: 4/8/2022-8/1/2022	EUT Type: Portable Handset	Page 97 of 120

V9.0 02/01/2019



Plot 7-119. Radiated Spurious Plot above 18GHz MIMO (802.11ax OFDMA – 242 Tones) – Half Open



Plot 7-120. Radiated Spurious Plot above 18GHz MIMO (802.11ax OFDMA – 242 Tones) – Open

FCC ID: A3LSMF721JPN	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2206140073-10-R1.A3L	Test Dates: 4/8/2022-8/1/2022	EUT Type: Portable Handset	Page 98 of 120

V9.0 02/01/2019

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:	8
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	V	130	1	-75.98	7.68	38.70	53.98	-15.28
4824.00	Peak	V	130	1	-63.68	7.68	51.00	73.98	-22.98
12060.00	Avg	V	-	-	-81.76	18.40	43.64	53.98	-10.34
12060.00	Peak	V	-	-	-70.57	18.40	54.83	73.98	-19.15

Table 7-32. Radiated Measurements MIMO (26 Tones) – Half Open

Worst Case Mode:	802.11ax OFDMA
Worst Case Transfer Rate:	MCS0
RU Index:	0
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	V	192	5	-76.81	7.34	37.53	53.98	-16.45
4874.00	Peak	V	192	5	-65.63	7.34	48.71	73.98	-25.27
7311.00	Avg	V	253	11	-74.71	12.49	44.78	53.98	-9.20
7311.00	Peak	V	253	11	-63.11	12.49	56.38	73.98	-17.60
12185.00	Avg	V	-	-	-81.82	19.42	44.60	53.98	-9.38
12185.00	Peak	V	-	-	-70.79	19.42	55.63	73.98	-18.35

Table 7-33. Radiated Measurements MIMO (26 Tones) – Half Open

FCC ID: A3LSMF721JPN	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2206140073-10-R1.A3L	Test Dates: 4/8/2022-8/1/2022	EUT Type: Portable Handset	Page 99 of 120

V9.0 02/01/2019

Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS0
 RU Index: 0
 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	V	120	290	-76.99	7.61	37.62	53.98	-16.36
4924.00	Peak	V	120	290	-66.10	7.61	48.51	73.98	-25.47
7386.00	Avg	V	253	288	-74.34	12.37	45.03	53.98	-8.95
7386.00	Peak	V	253	288	-61.83	12.37	57.54	73.98	-16.44
12310.00	Avg	V	-	-	-82.10	19.09	43.99	53.98	-9.99
12310.00	Peak	V	-	-	-70.54	19.09	55.55	73.98	-18.43

Table 7-34. Radiated Measurements MIMO (26 Tones) – Half Open

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	V	175	19	-78.75	7.68	35.93	53.98	-18.05
4824.00	Peak	V	175	19	-67.20	7.68	47.48	73.98	-26.50
12060.00	Avg	V	-	-	-81.50	18.40	43.90	53.98	-10.08
12060.00	Peak	V	-	-	-71.00	18.40	54.40	73.98	-19.58

Table 7-35. Radiated Measurements MIMO (242 Tones) – Half Open

FCC ID: A3LSMF721JPN	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2206140073-10-R1.A3L	Test Dates: 4/8/2022-8/1/2022	EUT Type: Portable Handset	Page 100 of 120