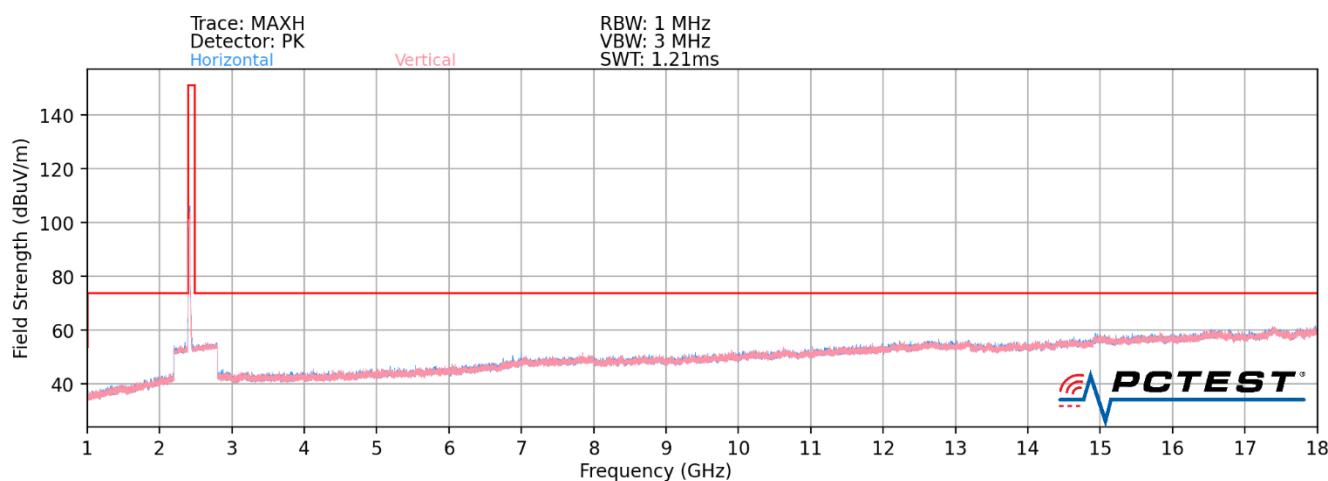
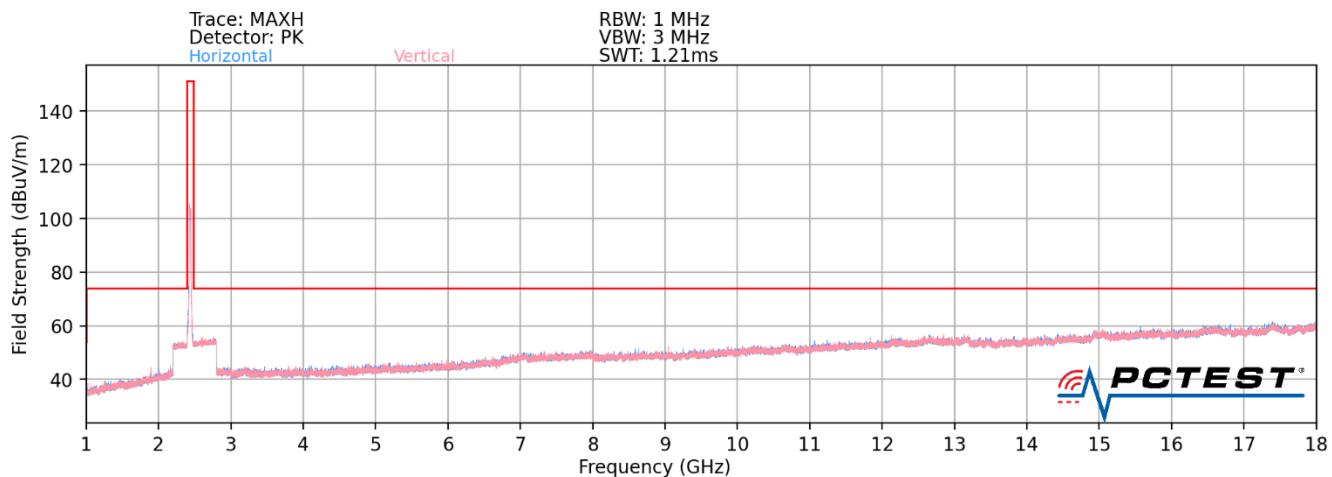


**Plot 7-193. Radiated Spurious Plot above 1GHz SISO NORTH (802.11ax OFDMA – 242 Tones – Ch. 11) 300°**

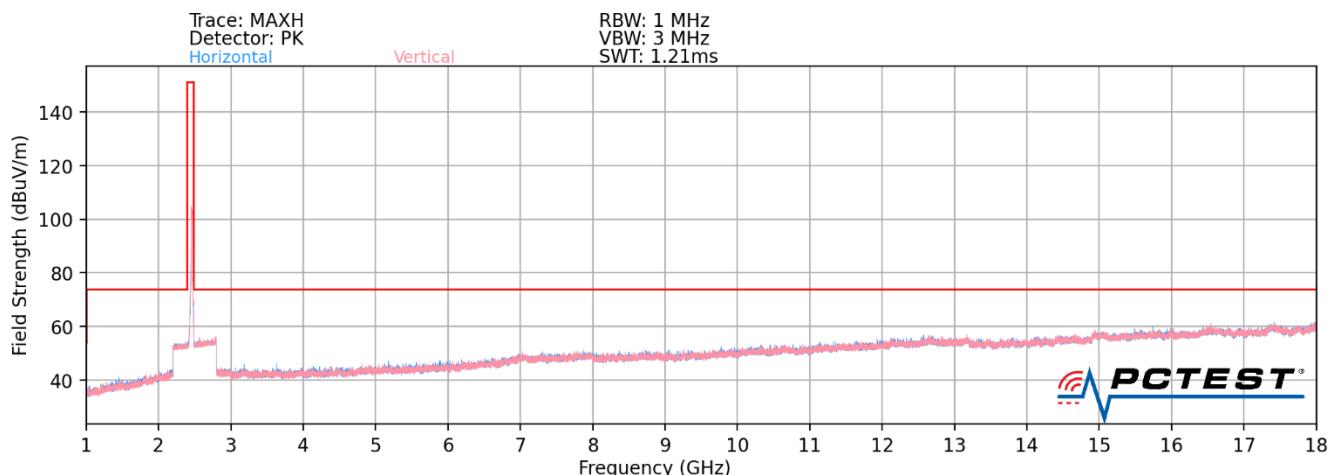


**Plot 7-194. Radiated Spurious Plot above 1GHz SISO NORTH (802.11ax OFDMA – 242 Tones – Ch. 1) Closed**

FCC ID: C3K1995 IC: 3048A-1995	<b>PCTEST</b> Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	 Approved by: Technical Manager
Test Report S/N: 1M2105060048-13.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset	Page 149 of 202



**Plot 7-195. Radiated Spurious Plot above 1GHz SISO NORTH (802.11ax OFDMA – 242 Tones – Ch. 6)  
Closed**

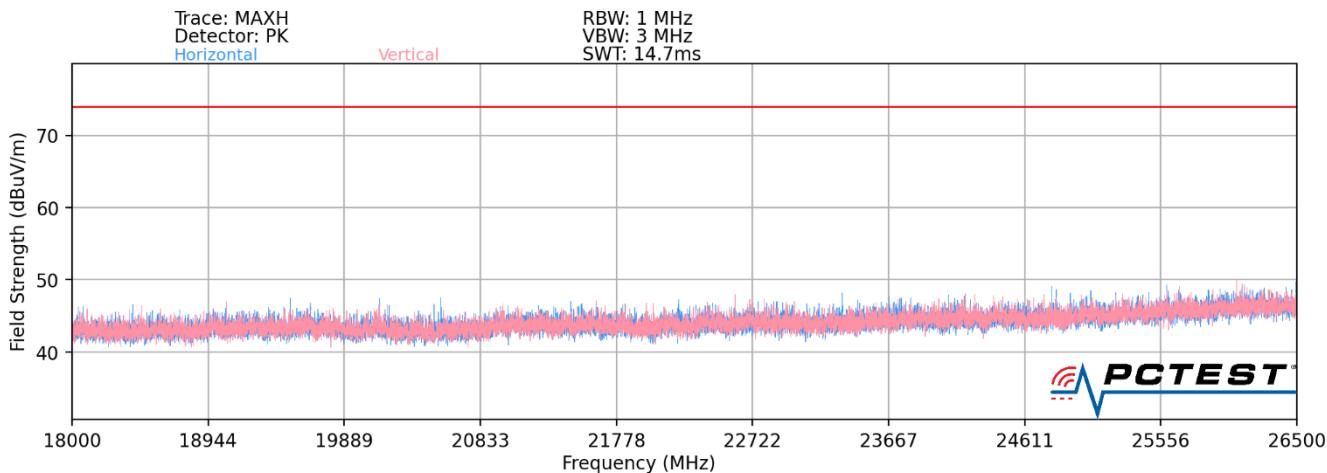


**Plot 7-196. Radiated Spurious Plot above 1GHz SISO NORTH (802.11ax OFDMA – 242 Tones – Ch. 11)  
Closed**

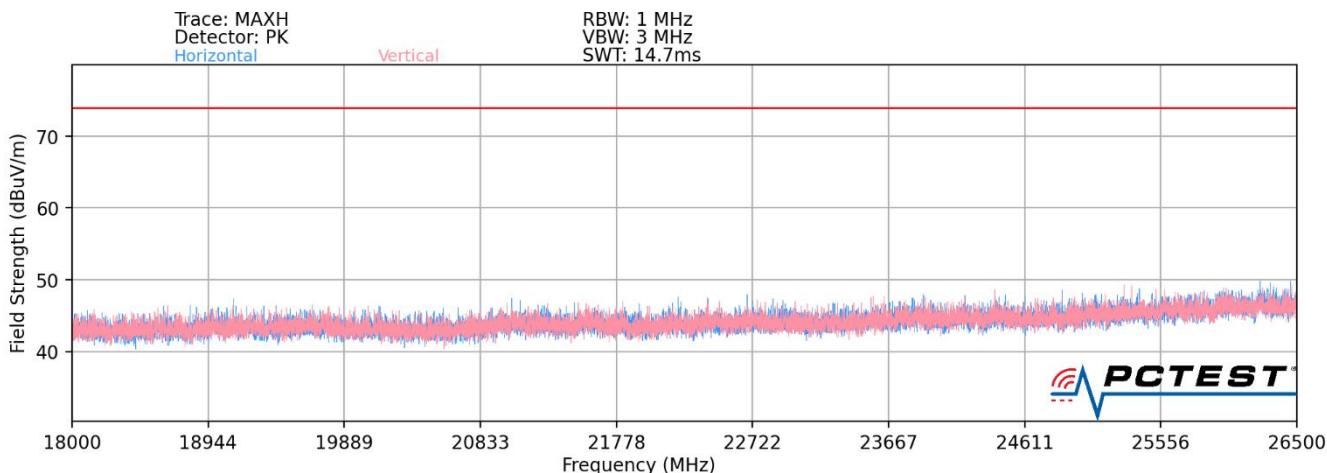
FCC ID: C3K1995 IC: 3048A-1995	<b>PCTEST®</b> Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	 Approved by: Technical Manager
Test Report S/N: 1M2105060048-13.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset	Page 150 of 202

## SISO NORTH Radiated Spurious Emissions Measurements (Above 18GHz)

§15.209; RSS-Gen [8.9]

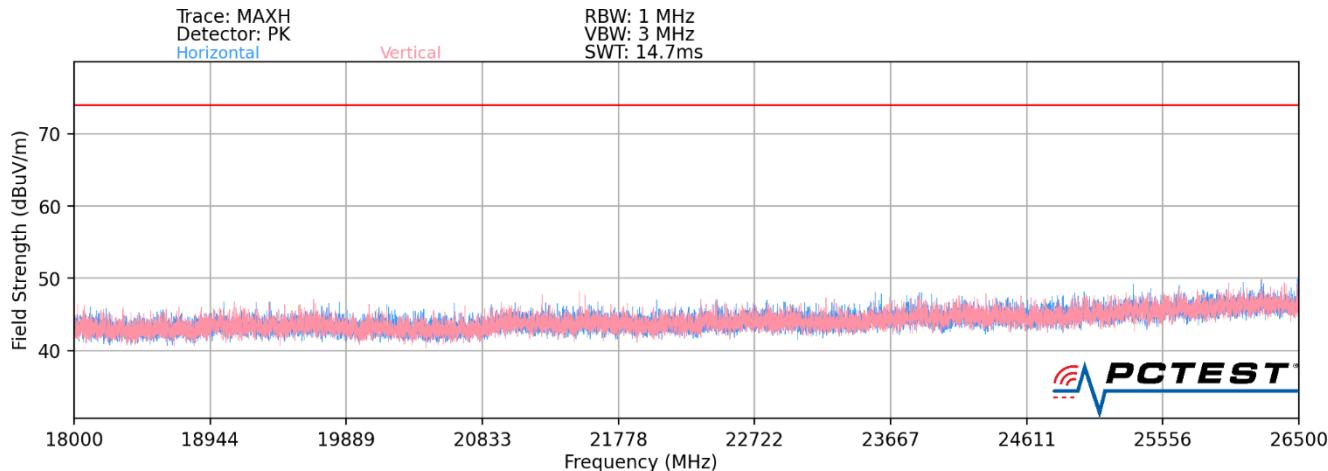


**Plot 7-197. Radiated Spurious Plot above 18GHz SISO NORTH (802.11ax OFDMA – 26 Tones) 300°**

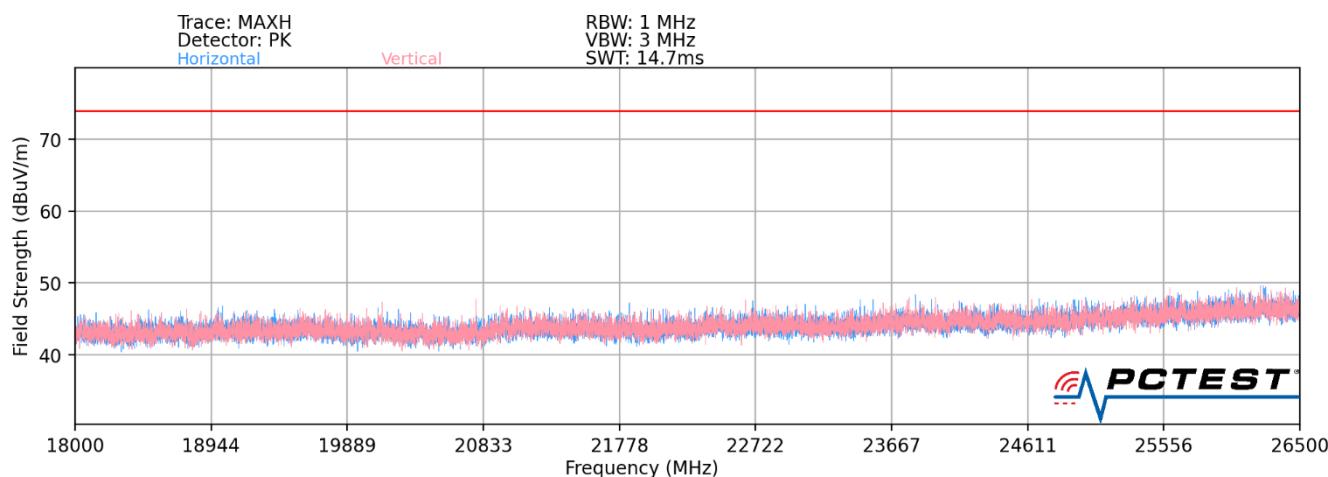


**Plot 7-198. Radiated Spurious Plot above 18GHz SISO NORTH (802.11ax OFDMA – 242 Tones) 300°**

FCC ID: C3K1995 IC: 3048A-1995	 PCTEST® Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2105060048-13.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 151 of 202



**Plot 7-199. Radiated Spurious Plot above 18GHz SISO NORTH (802.11ax OFDMA – 26 Tones) Closed**



**Plot 7-200. Radiated Spurious Plot above 18GHz SISO NORTH (802.11ax OFDMA – 242 Tones) Closed**

FCC ID: C3K1995 IC: 3048A-1995	<b>PCTEST</b> Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	 Approved by: Technical Manager
Test Report S/N: 1M2105060048-13.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset	Page 152 of 202

**SISO NORTH 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 [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
4824.00	Avg	V	240	184	-77.79	6.80	36.01	53.98	-17.97
4824.00	Peak	V	240	184	-66.82	6.80	46.98	73.98	-27.00
12060.00	Avg	V	-	-	-81.84	18.06	43.22	53.98	-10.76
12060.00	Peak	V	-	-	-70.98	18.06	54.08	73.98	-19.90

**Table 7-46. Radiated Measurements SISO NORTH (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 [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
4874.00	Avg	V	-	-	-79.65	7.32	34.67	53.98	-19.31
4874.00	Peak	V	-	-	-68.19	7.32	46.13	73.98	-27.85
7311.00	Avg	V	-	-	-80.41	12.45	39.04	53.98	-14.93
7311.00	Peak	V	-	-	-69.16	12.45	50.29	73.98	-23.68
12185.00	Avg	V	-	-	-81.71	18.35	43.64	53.98	-10.34
12185.00	Peak	V	-	-	-70.37	18.35	54.98	73.98	-19.00

**Table 7-47. Radiated Measurements SISO NORTH (26 Tones)**

FCC ID: C3K1995 IC: 3048A-1995	 PCTEST® <small>Proud to be part of element</small>	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2105060048-13.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 153 of 202

Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS0  
 RU Index: 4  
 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 [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
4924.00	Avg	V	349	28	-79.59	7.44	34.85	53.98	-19.13
4924.00	Peak	V	349	28	-67.88	7.44	46.56	73.98	-27.42
7386.00	Avg	V	-	-	-80.16	12.26	39.10	53.98	-14.88
7386.00	Peak	V	-	-	-68.58	12.26	50.68	73.98	-23.30
12310.00	Avg	V	-	-	-81.94	18.69	43.75	53.98	-10.23
12310.00	Peak	V	-	-	-70.30	18.69	55.39	73.98	-18.59

**Table 7-48. Radiated Measurements SISO NORTH (46 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 [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
4824.00	Avg	V	-	-	-79.39	6.80	34.41	53.98	-19.57
4824.00	Peak	V	-	-	-67.73	6.80	46.07	73.98	-27.91
12060.00	Avg	V	-	-	-81.58	18.06	43.48	53.98	-10.50
12060.00	Peak	V	-	-	-71.06	18.06	54.00	73.98	-19.98

**Table 7-49. Radiated Measurements SISO NORTH (242 Tones)**

FCC ID: C3K1995 IC: 3048A-1995	 PCTEST® Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2105060048-13.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 154 of 202

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 [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
4874.00	Avg	V	-	-	-79.65	7.32	34.67	53.98	-19.31
4874.00	Peak	V	-	-	-68.38	7.32	45.94	73.98	-28.04
7311.00	Avg	V	-	-	-80.34	12.45	39.11	53.98	-14.86
7311.00	Peak	V	-	-	-68.61	12.45	50.84	73.98	-23.13
12185.00	Avg	V	-	-	-81.53	18.35	43.82	53.98	-10.16
12185.00	Peak	V	-	-	-70.57	18.35	54.78	73.98	-19.20

**Table 7-50. Radiated Measurements SISO NORTH (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

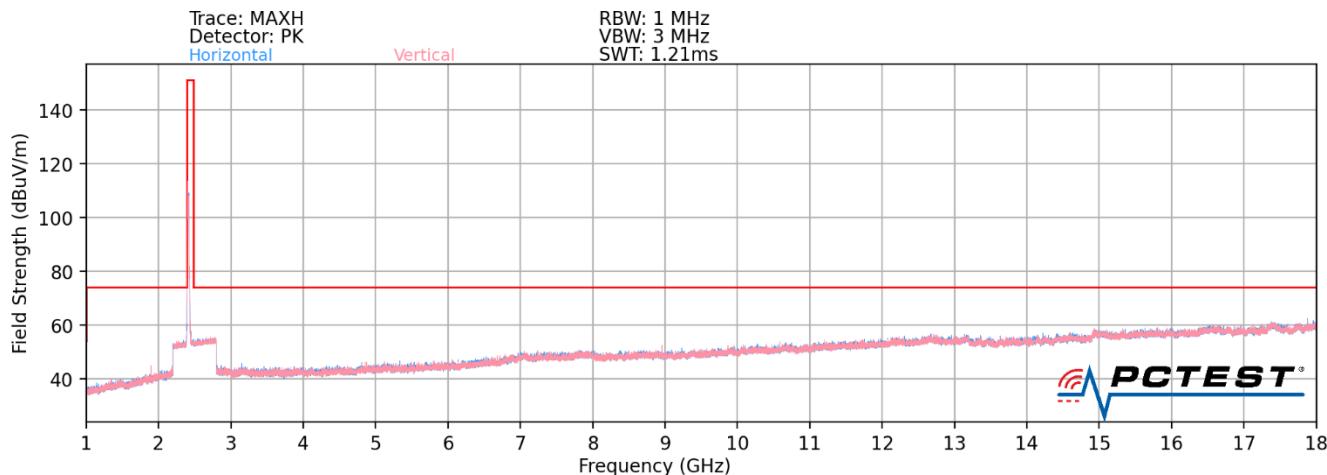
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
4924.00	Avg	V	-	-	-79.59	7.44	34.85	53.98	-19.13
4924.00	Peak	V	-	-	-68.06	7.44	46.38	73.98	-27.60
7386.00	Avg	V	-	-	-80.32	12.26	38.94	53.98	-15.04
7386.00	Peak	V	-	-	-68.93	12.26	50.33	73.98	-23.65
12310.00	Avg	V	-	-	-81.94	18.69	43.75	53.98	-10.23
12310.00	Peak	V	-	-	-70.35	18.69	55.34	73.98	-18.64

**Table 7-51. Radiated Measurements SISO NORTH (242 Tones)**

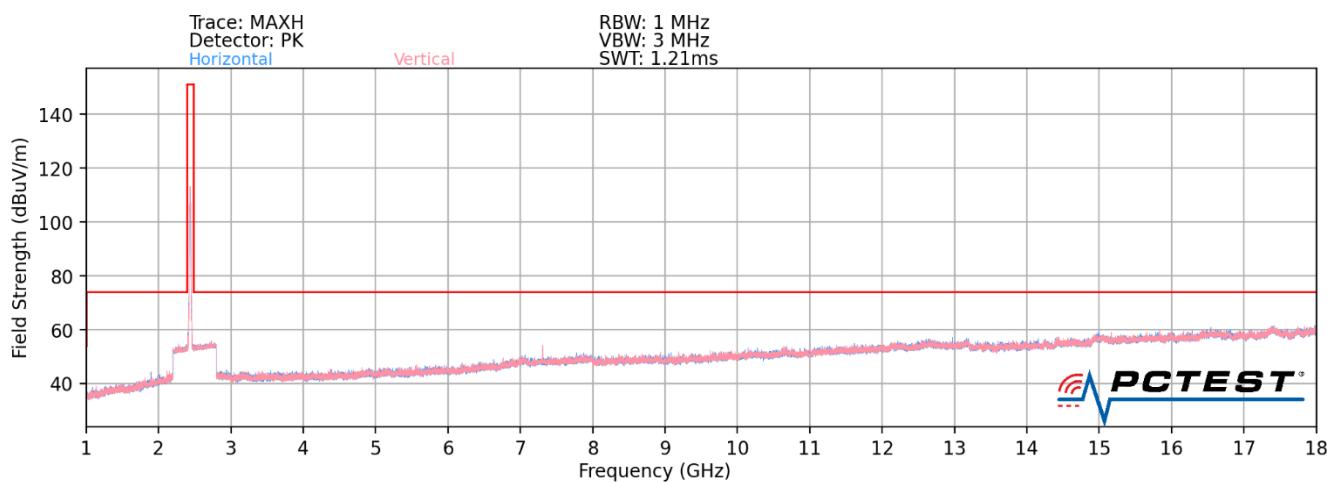
FCC ID: C3K1995 IC: 3048A-1995	 PCTEST® Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2105060048-13.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 155 of 202

### 7.7.3 MIMO Radiated Spurious Emission Measurements

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

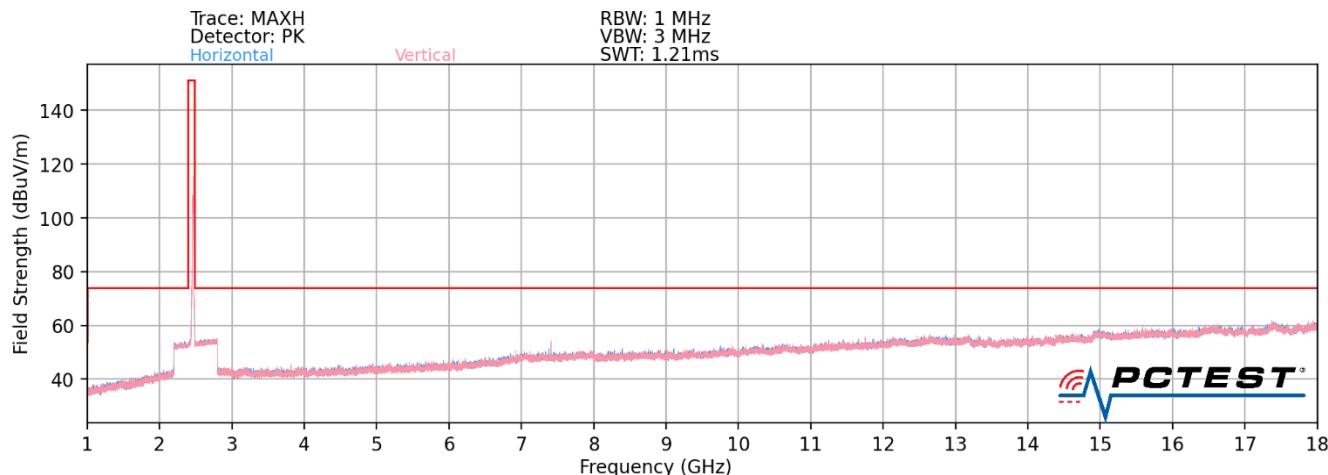


Plot 7-201. Radiated Spurious Plot above 1GHz MIMO (802.11ax OFDMA – 26 Tones – Ch. 1) 300°

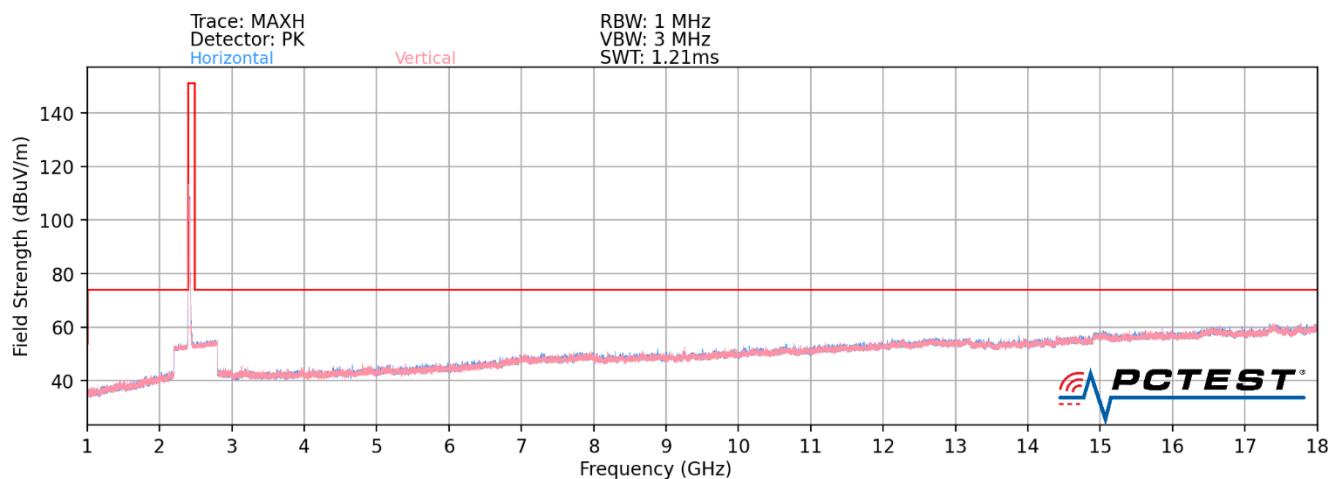


Plot 7-202. Radiated Spurious Plot above 1GHz MIMO (802.11ax OFDMA – 26 Tones – Ch. 6) 300°

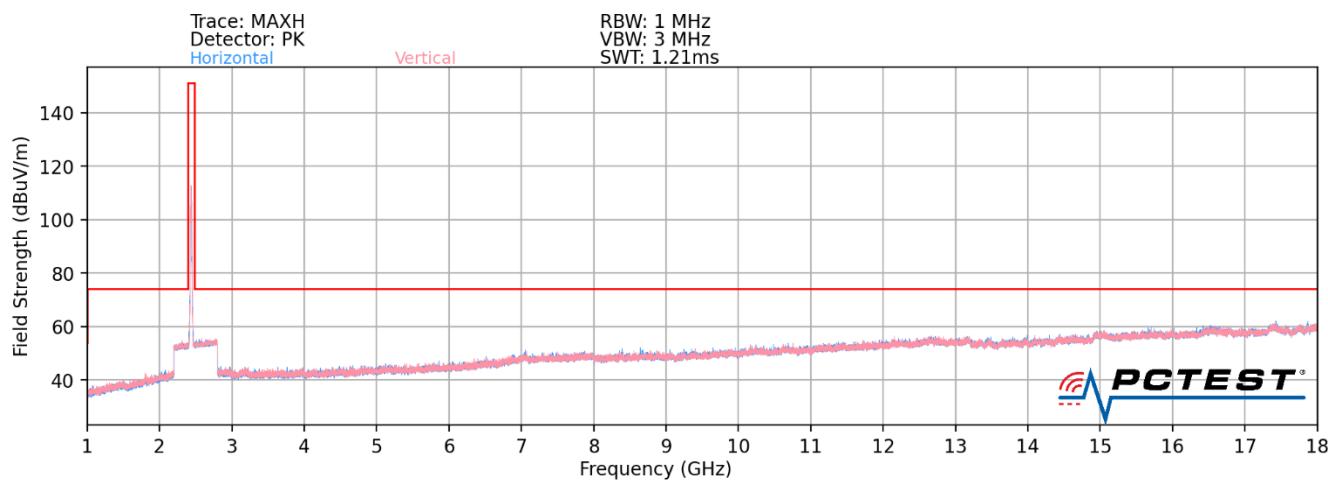
FCC ID: C3K1995 IC: 3048A-1995	<b>PCTEST</b> Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2105060048-13.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 156 of 202



**Plot 7-203. Radiated Spurious Plot above 1GHz MIMO (802.11ax OFDMA – 26 Tones – Ch. 11) 300°**

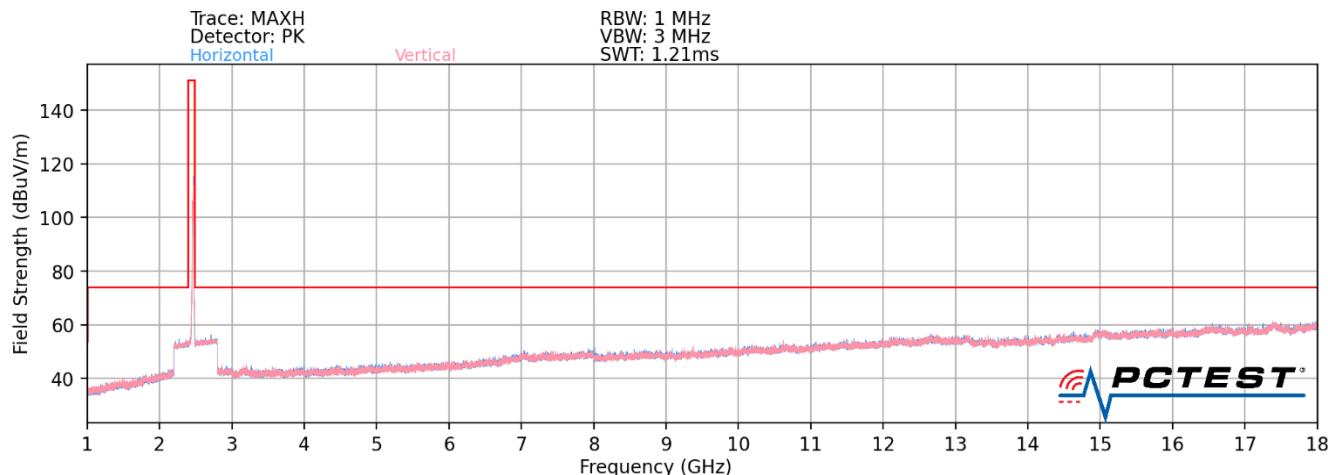


**Plot 7-204. Radiated Spurious Plot above 1GHz MIMO (802.11ax OFDMA – 26 Tones – Ch. 1) Closed**

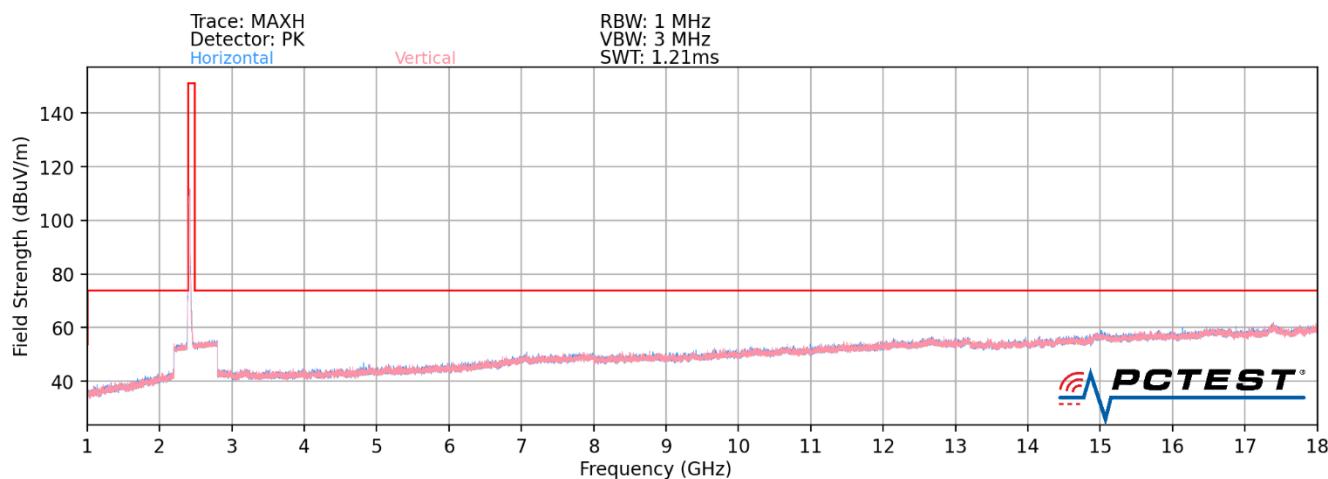


**Plot 7-205. Radiated Spurious Plot above 1GHz MIMO (802.11ax OFDMA – 26 Tones – Ch. 6) Closed**

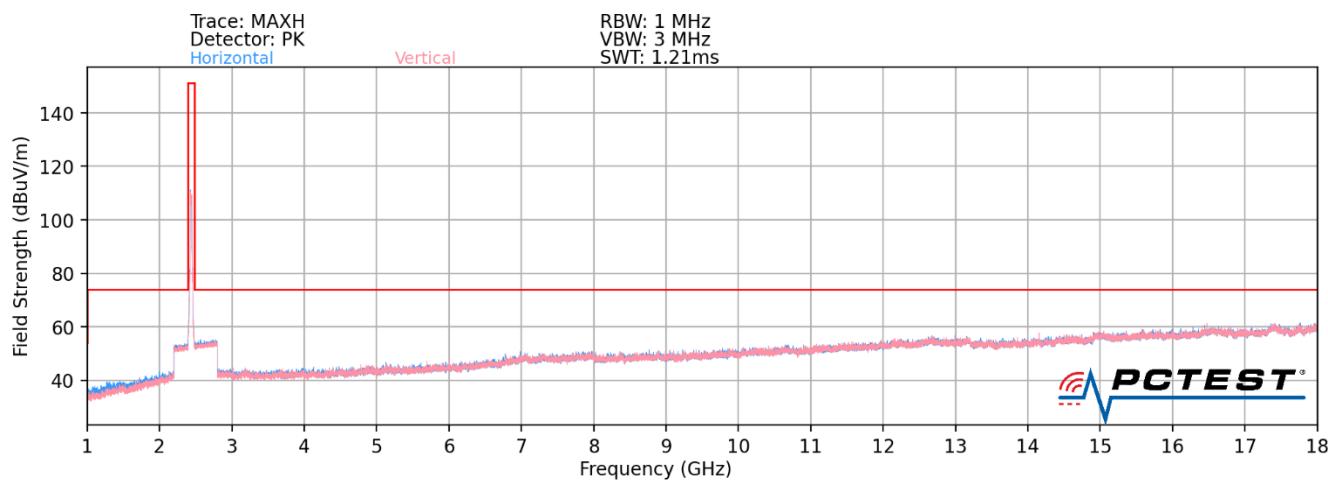
FCC ID: C3K1995 IC: 3048A-1995	<b>PCTEST</b> Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1M2105060048-13.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset	Page 157 of 202



**Plot 7-206. Radiated Spurious Plot above 1GHz MIMO (802.11ax OFDMA – 26 Tones – Ch. 11) Closed**

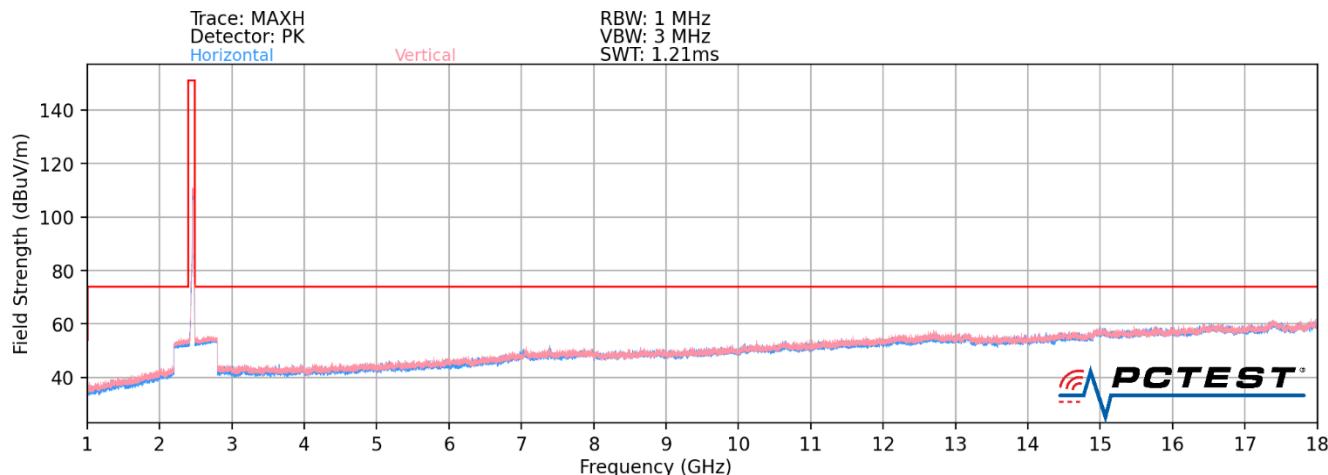


**Plot 7-207. Radiated Spurious Plot above 1GHz MIMO (802.11ax OFDMA – 242 Tones – Ch. 1) 300°**

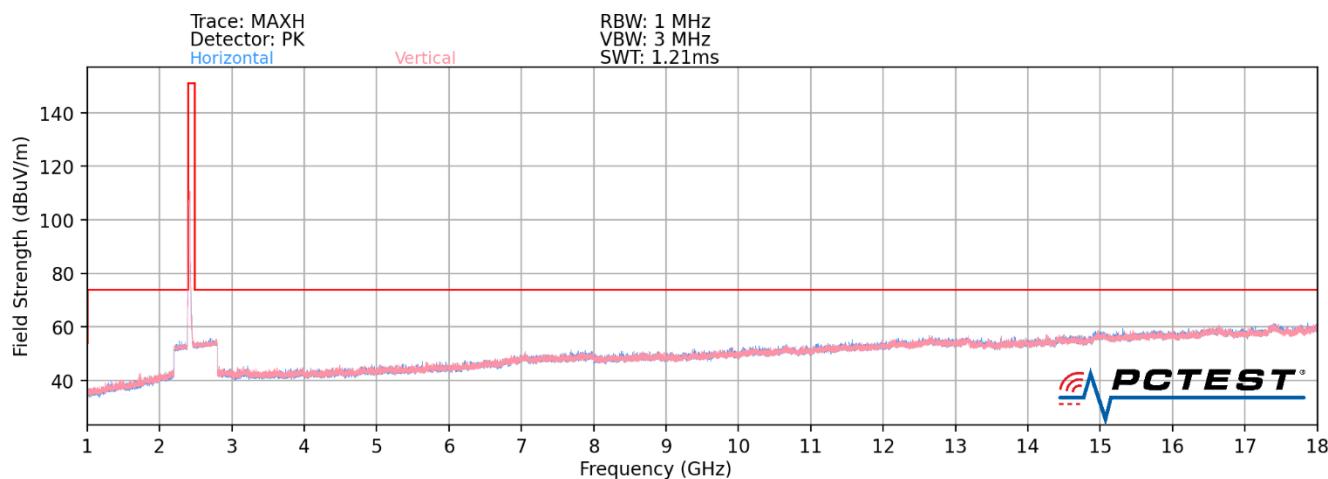


**Plot 7-208. Radiated Spurious Plot above 1GHz MIMO (802.11ax OFDMA – 242 Tones – Ch. 6) 300°**

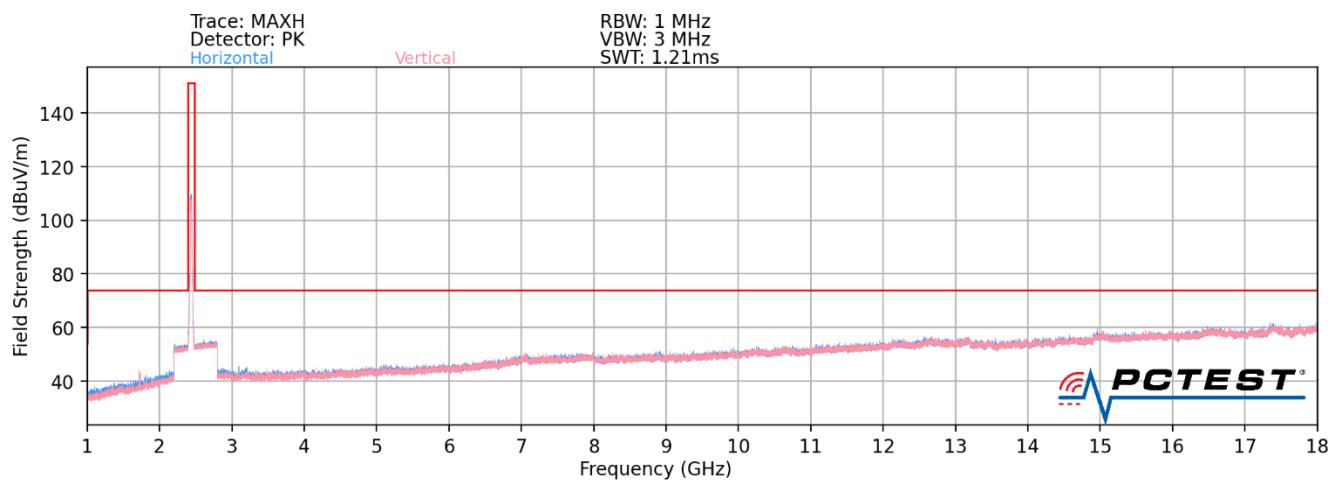
FCC ID: C3K1995 IC: 3048A-1995	<b>PCTEST</b> Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Microsoft	Approved by: Technical Manager
Test Report S/N: 1M2105060048-13.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 158 of 202



**Plot 7-209. Radiated Spurious Plot above 1GHz MIMO (802.11ax OFDMA – 242 Tones – Ch. 11) 300°**

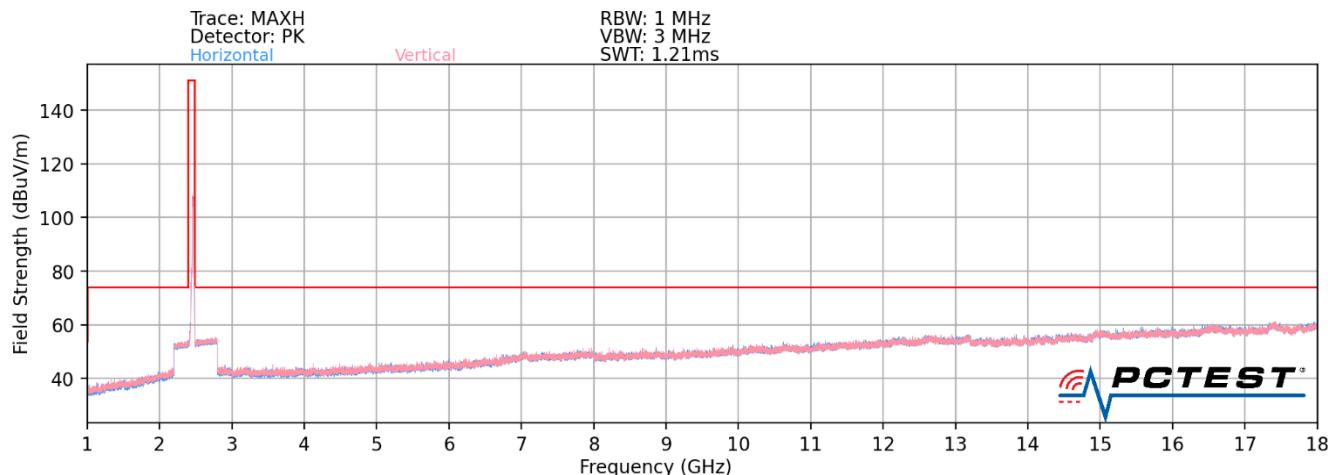


**Plot 7-210. Radiated Spurious Plot above 1GHz MIMO (802.11ax OFDMA – 242 Tones – Ch. 1) Closed**



**Plot 7-211. Radiated Spurious Plot above 1GHz MIMO (802.11ax OFDMA – 242 Tones – Ch. 6) Closed**

FCC ID: C3K1995 IC: 3048A-1995	<b>PCTEST</b> Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1M2105060048-13.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset	Page 159 of 202

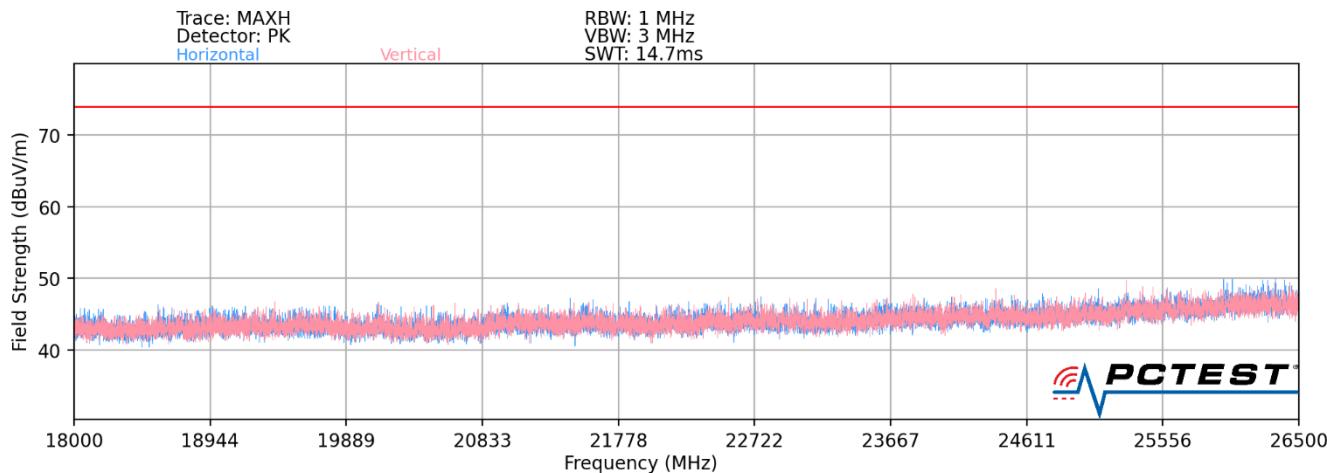


Plot 7-212. Radiated Spurious Plot above 1GHz MIMO (802.11ax OFDMA – 242 Tones – Ch. 11) Closed

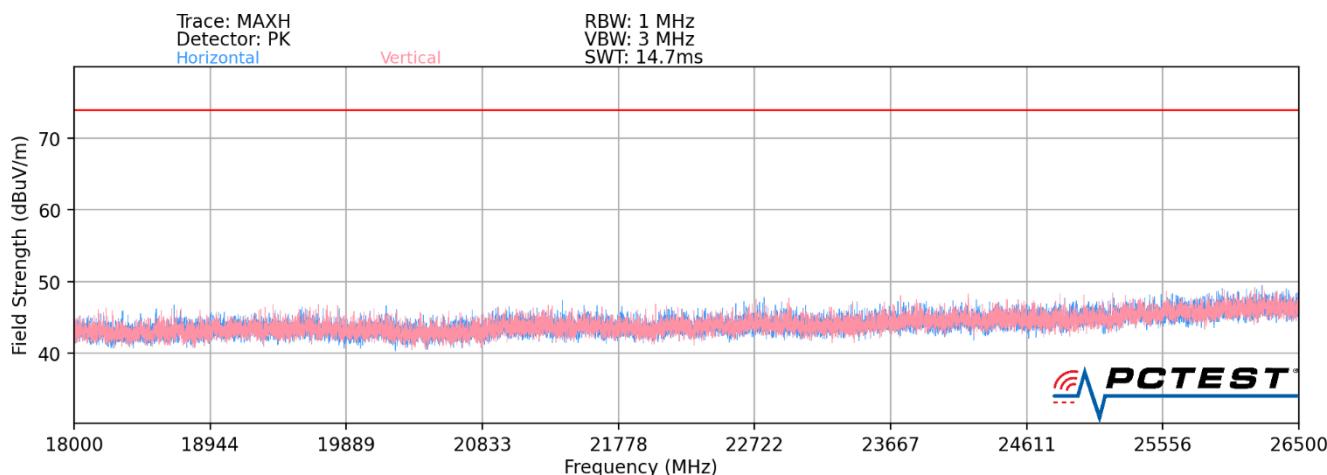
FCC ID: C3K1995 IC: 3048A-1995	<b>PCTEST</b> Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2105060048-13.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 160 of 202

## MIMO Radiated Spurious Emissions Measurements (Above 18GHz)

§15.209; RSS-Gen [8.9]

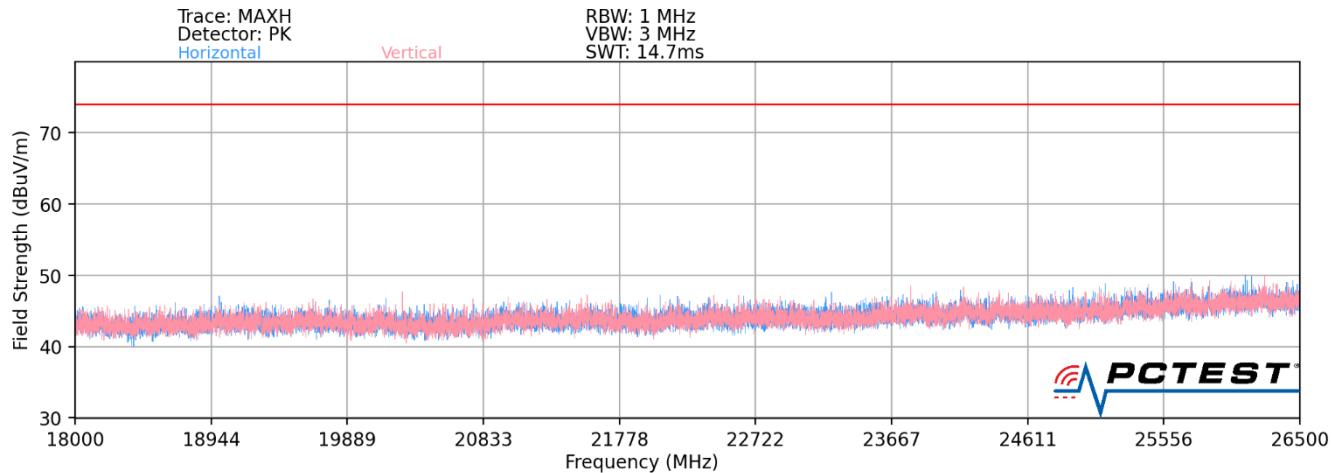


**Plot 7-213. Radiated Spurious Plot above 18GHz MIMO (802.11ax OFDMA – 26 Tones) 300°**

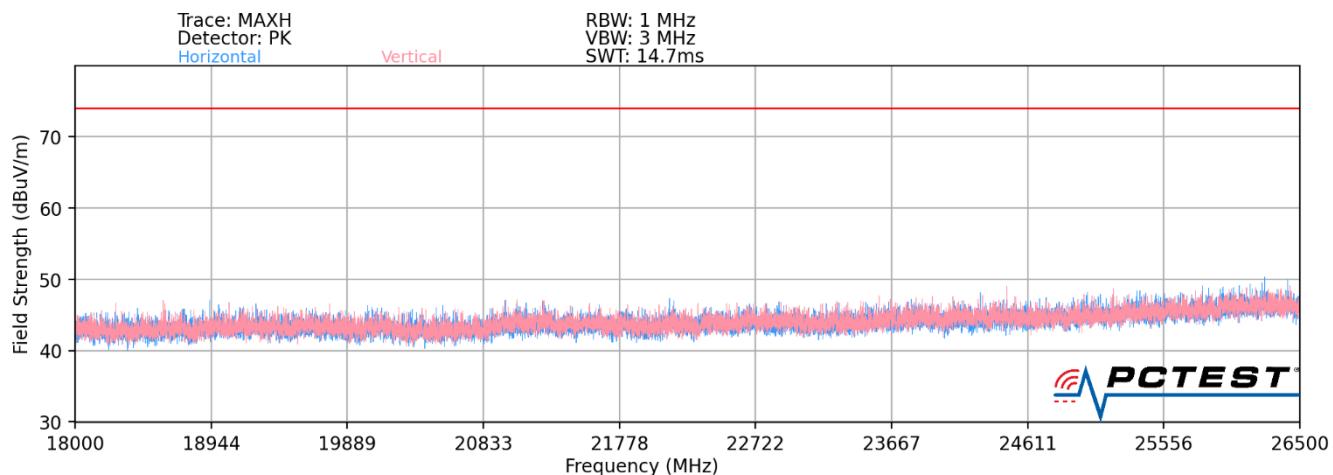


**Plot 7-214. Radiated Spurious Plot above 18GHz MIMO (802.11ax OFDMA – 242 Tones) 300°**

FCC ID: C3K1995 IC: 3048A-1995	 PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2105060048-13.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 161 of 202



**Plot 7-215. Radiated Spurious Plot above 18GHz MIMO (802.11ax OFDMA – 26 Tones) Closed**



**Plot 7-216. Radiated Spurious Plot above 18GHz MIMO (802.11ax OFDMA – 242 Tones) Closed**

FCC ID: C3K1995 IC: 3048A-1995	<b>PCTEST</b> Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	 Approved by: Technical Manager
Test Report S/N: 1M2105060048-13.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset	Page 162 of 202

**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:	4
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 [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
4824.00	Avg	V	280	153	-78.15	6.80	35.65	53.98	-18.33
4824.00	Peak	V	280	153	-67.18	6.80	46.62	73.98	-27.36
12060.00	Avg	V	-	-	-81.69	18.06	43.37	53.98	-10.61
12060.00	Peak	V	-	-	-70.84	18.06	54.22	73.98	-19.76

**Table 7-52. Radiated Measurements MIMO (106 Tones)**

Worst Case Mode:	802.11ax OFDMA
Worst Case Transfer Rate:	MCS0
RU Index:	8
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 [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
4874.00	Avg	V	-	-	-79.53	7.32	34.79	53.98	-19.19
4874.00	Peak	V	-	-	-68.54	7.32	45.78	73.98	-28.20
7311.00	Avg	V	-	-	-80.03	12.45	39.42	53.98	-14.55
7311.00	Peak	V	-	-	-69.00	12.45	50.45	73.98	-23.52
12185.00	Avg	V	-	-	-81.65	18.35	43.70	53.98	-10.28
12185.00	Peak	V	-	-	-70.82	18.35	54.53	73.98	-19.45

**Table 7-53. Radiated Measurements MIMO (106 Tones)**

FCC ID: C3K1995 IC: 3048A-1995	 <b>PCTEST®</b> Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	 Microsoft	Approved by: Technical Manager
Test Report S/N: 1M2105060048-13.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 163 of 202

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 [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
4924.00	Avg	V	273	159	-79.37	7.44	35.07	53.98	-18.91
4924.00	Peak	V	273	159	-67.86	7.44	46.58	73.98	-27.40
7386.00	Avg	V	324	89	-73.00	12.26	46.26	53.98	-7.72
7386.00	Peak	V	324	89	-56.96	12.26	62.30	73.98	-11.68
12310.00	Avg	V	-	-	-82.05	18.69	43.64	53.98	-10.34
12310.00	Peak	V	-	-	-70.62	18.69	55.07	73.98	-18.91

**Table 7-54. 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 [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
4824.00	Avg	V	166	171	-77.62	6.80	36.18	53.98	-17.80
4824.00	Peak	V	166	171	-64.37	6.80	49.43	73.98	-24.55
12060.00	Avg	V	-	-	-81.75	18.06	43.31	53.98	-10.67
12060.00	Peak	V	-	-	-70.56	18.06	54.50	73.98	-19.48

**Table 7-55. Radiated Measurements MIMO (242 Tones)**

FCC ID: C3K1995 IC: 3048A-1995	 PCTEST® Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2105060048-13.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 164 of 202

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 [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
4874.00	Avg	V	-	-	-78.56	7.32	35.76	53.98	-18.22
4874.00	Peak	V	-	-	-66.49	7.32	47.83	73.98	-26.15
7311.00	Avg	V	301	84	-78.21	12.45	41.24	53.98	-12.73
7311.00	Peak	V	301	84	-65.60	12.45	53.85	73.98	-20.12
12185.00	Avg	V	-	-	-81.81	18.35	43.54	53.98	-10.44
12185.00	Peak	V	-	-	-70.09	18.35	55.26	73.98	-18.72

**Table 7-56. 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 [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
4924.00	Avg	V	104	182	-78.21	7.44	36.23	53.98	-17.75
4924.00	Peak	V	104	182	-65.00	7.44	49.44	73.98	-24.54
7386.00	Avg	V	100	96	-77.53	12.26	41.73	53.98	-12.25
7386.00	Peak	V	100	96	-64.81	12.26	54.45	73.98	-19.53
12310.00	Avg	V	-	-	-81.92	18.69	43.77	53.98	-10.21
12310.00	Peak	V	-	-	-70.67	18.69	55.02	73.98	-18.96

**Table 7-57. Radiated Measurements MIMO (242 Tones)**

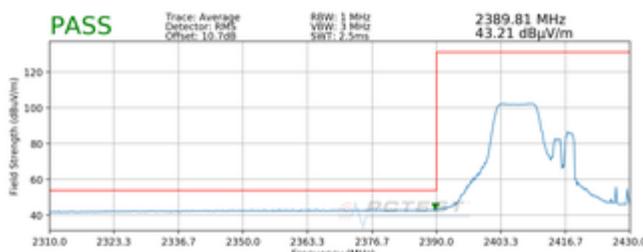
FCC ID: C3K1995 IC: 3048A-1995	 PCTEST® Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2105060048-13.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 165 of 202

## 7.7.4 SISO SOUTH Radiated Restricted Band Edge Measurements 20MHz

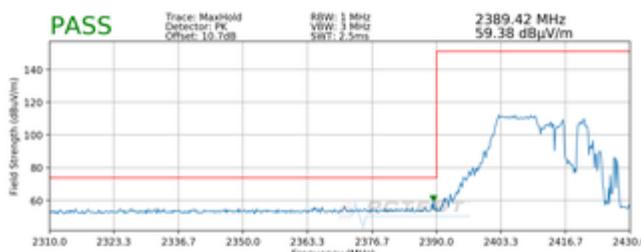
### §15.205 §15.209; RSS-Gen [8.9]

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

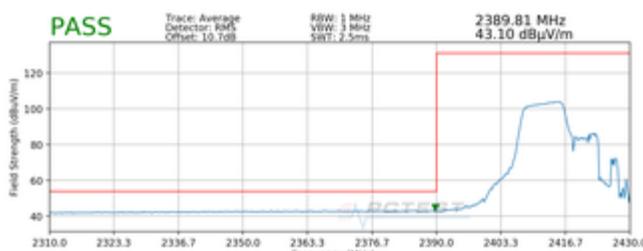


**Plot 7-217. Radiated Restricted Lower Band Edge Measurement SISO SOUTH (Average – 106 Tones)**

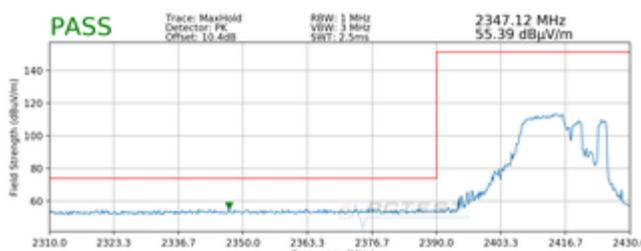


**Plot 7-218. Radiated Restricted Lower Band Edge Measurement SISO SOUTH (Peak – 106 Tones)**

Worst Case Mode: 802.11ax OFDMA  
Worst Case Transfer Rate: MCS0  
RU Index: 53  
Distance of Measurements: 3 Meters  
Operating Frequency: 2417MHz  
Channel: 2



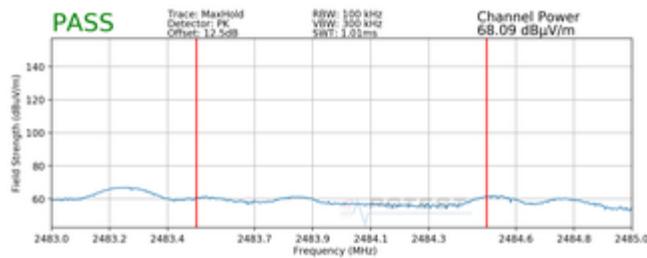
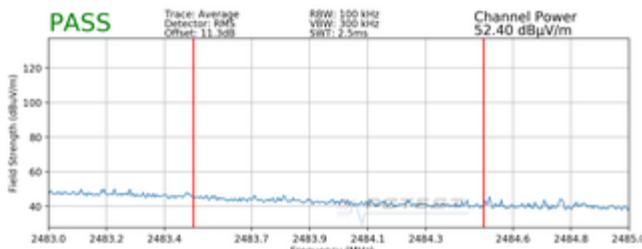
**Plot 7-219. Radiated Restricted Lower Band Edge Measurement SISO SOUTH (Average – 106 Tones)**



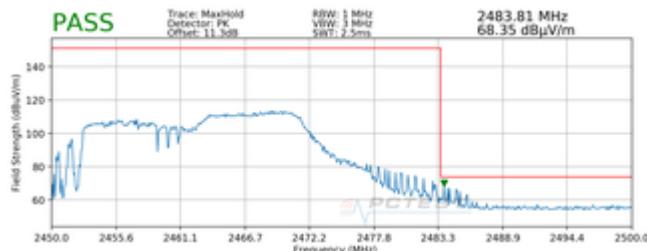
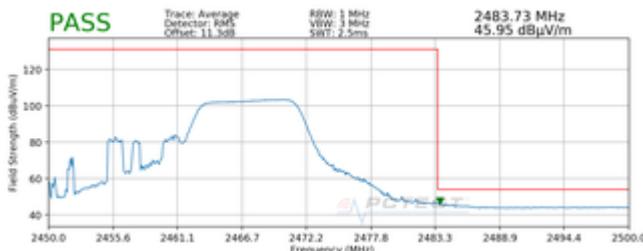
**Plot 7-220. Radiated Restricted Lower Band Edge Measurement SISO SOUTH (Peak – 106 Tones)**

FCC ID: C3K1995 IC: 3048A-1995	 PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	 Approved by: Technical Manager
Test Report S/N: 1M2105060048-13.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset	Page 166 of 202

Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS0  
 RU Index: 54  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2457MHz  
 Channel: 10



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



FCC ID: C3K1995	IC: 3048A-1995
Test Report S/N: 1M2105060048-13.C3K	Test Dates: 05/20/2021 - 09/08/2021



**MEASUREMENT REPORT  
(CERTIFICATION)**

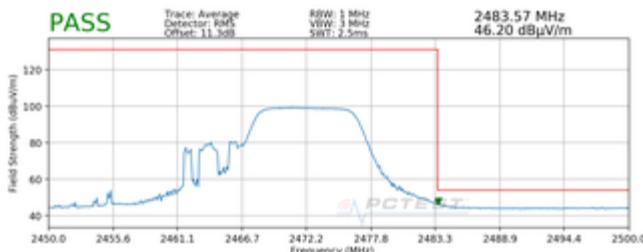


Approved by:  
Technical Manager

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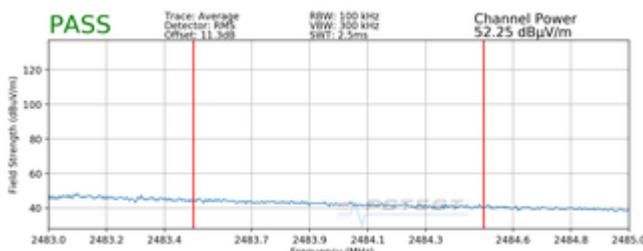
V 9.0 02/01/2019

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 7-225. Radiated Restricted Upper Band Edge Measurement SISO SOUTH (Average – 106 Tones)**

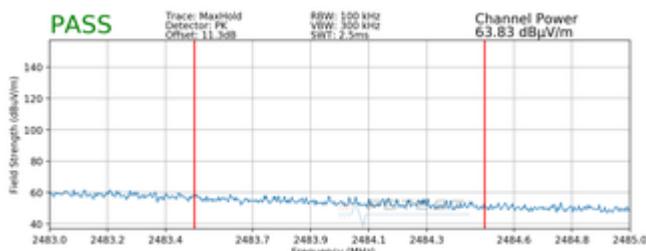
Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS0  
 RU Index: 54  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2472MHz  
 Channel: 13



**Plot 7-227. Radiated Restricted Upper Band Edge Measurement SISO SOUTH (Average – 106 Tones)**



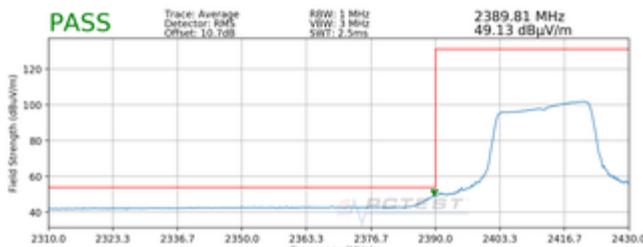
**Plot 7-226. Radiated Restricted Upper Band Edge Measurement SISO SOUTH (Peak – 106 Tones)**



**Plot 7-228. Radiated Restricted Upper Band Edge Measurement SISO SOUTH (Peak – 106 Tones)**

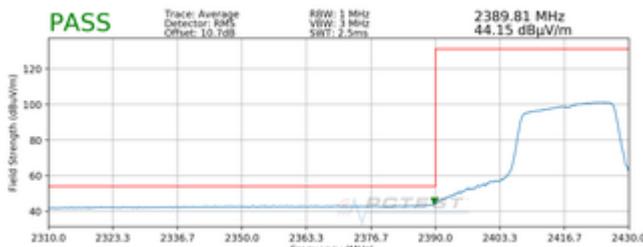
FCC ID: C3K1995 IC: 3048A-1995	<b>PCTEST®</b> Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	 Approved by: Technical Manager
Test Report S/N: 1M2105060048-13.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset	Page 168 of 202

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

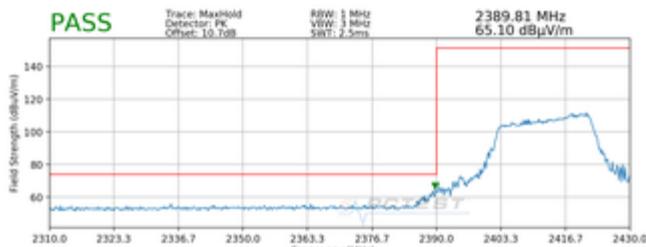


**Plot 7-229. Radiated Restricted Lower Band Edge Measurement SISO SOUTH (Average – 242 Tones)**

Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS0  
 RU Index: 61  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2417MHz  
 Channel: 2



**Plot 7-231. Radiated Restricted Lower Band Edge Measurement SISO SOUTH (Average – 242 Tones)**



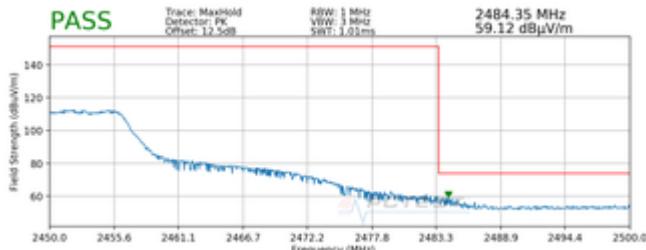
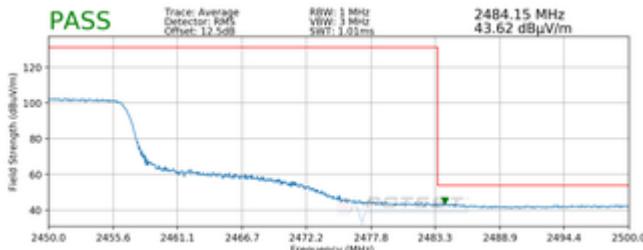
**Plot 7-230. Radiated Restricted Lower Band Edge Measurement SISO SOUTH (Peak – 242 Tones)**



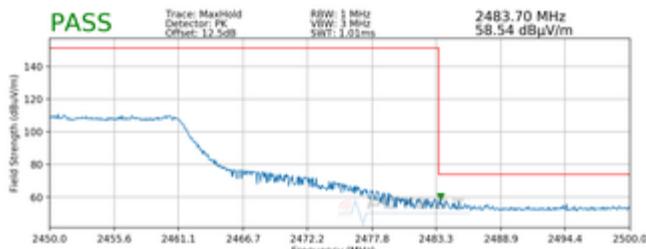
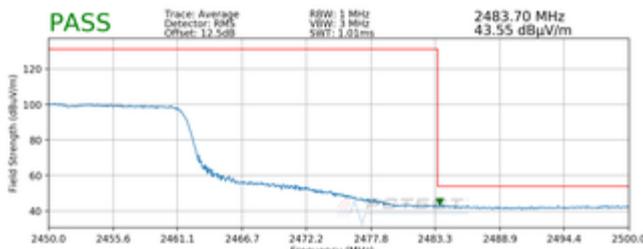
**Plot 7-232. Radiated Restricted Lower Band Edge Measurement SISO SOUTH (Peak – 242 Tones)**

FCC ID: C3K1995 IC: 3048A-1995	<b>PCTEST</b> Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	 Approved by: Technical Manager
Test Report S/N: 1M2105060048-13.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset	Page 169 of 202

Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS0  
 RU Index: 61  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2447MHz  
 Channel: 8



Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS0  
 RU Index: 61  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2452MHz  
 Channel: 9



FCC ID: C3K1995		
IC: 3048A-1995		
Test Report S/N:	Test Dates:	EUT Type:
1M2105060048-13.C3K	05/20/2021 - 09/08/2021	Portable Handset



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(CERTIFICATION)



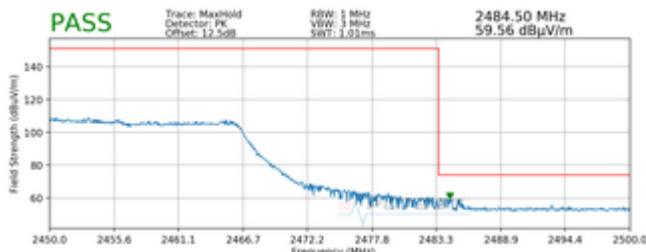
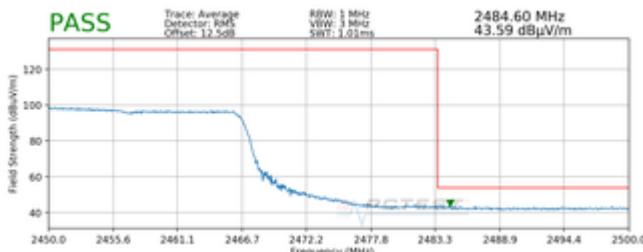
Approved by:  
Technical Manager

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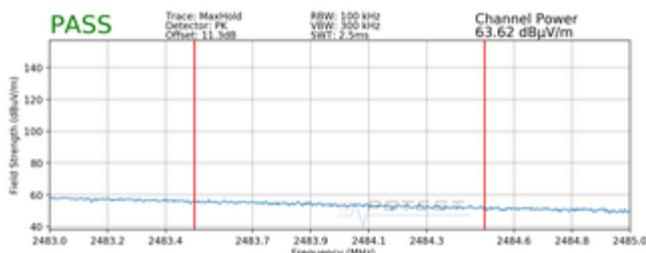
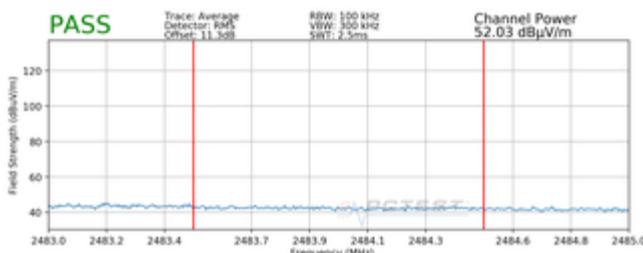
V 9.0 02/01/2019

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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: 2457MHz  
 Channel: 10



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



FCC ID: C3K1995 IC: 3048A-1995	 Proud to be part of 
Test Report S/N: 1M2105060048-13.C3K	Test Dates: 05/20/2021 - 09/08/2021      EUT Type: Portable Handset

MEASUREMENT REPORT  
(CERTIFICATION)

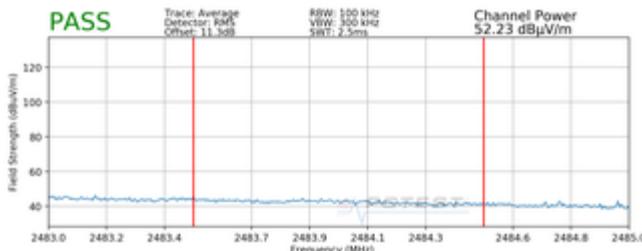


Approved by:  
Technical Manager

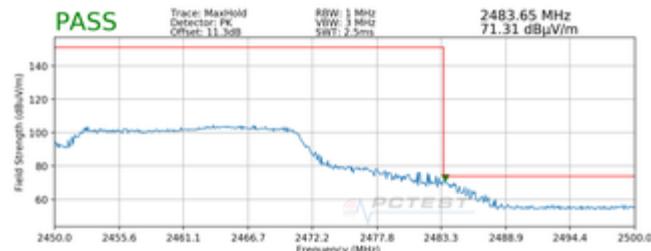
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Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS0  
 RU Index: 61  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2467MHz  
 Channel: 12

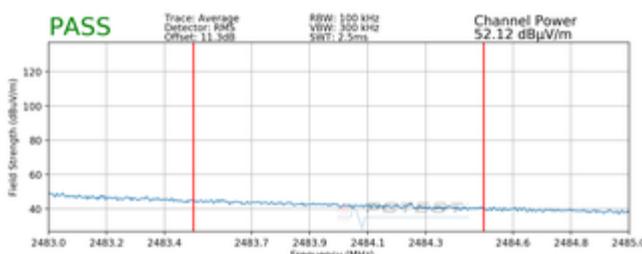


**Plot 7-241. Radiated Restricted Upper Band Edge Measurement SISO SOUTH (Average – 242 Tones)**

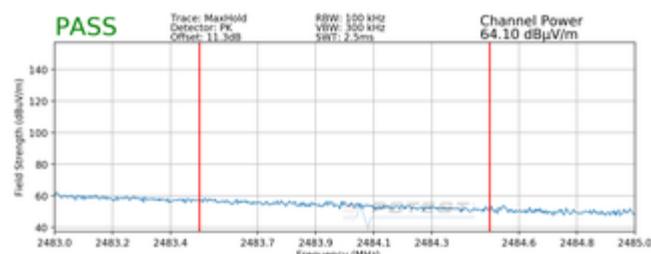


**Plot 7-242. Radiated Restricted Upper Band Edge Measurement SISO SOUTH (Peak – 242 Tones)**

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 7-243. Radiated Restricted Upper Band Edge Measurement SISO SOUTH (Average – 242 Tones)**



**Plot 7-244. Radiated Restricted Upper Band Edge Measurement SISO SOUTH (Peak – 242 Tones)**

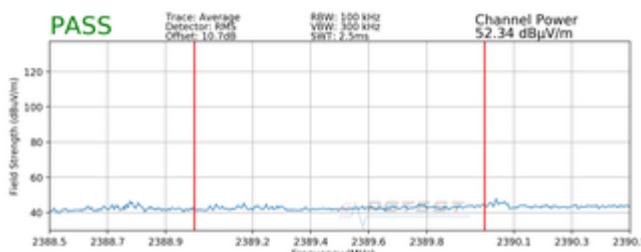
FCC ID: C3K1995 IC: 3048A-1995	<b>PCTEST®</b> Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	 Approved by: Technical Manager
Test Report S/N: 1M2105060048-13.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset	Page 172 of 202

## 7.7.5 SISO SOUTH Radiated Restricted Band Edge Measurements 40MHz

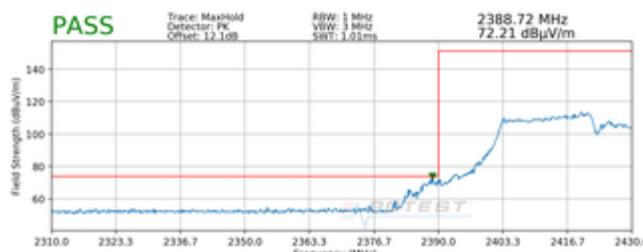
### §15.205 §15.209; RSS-Gen [8.9]

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: 61  
Distance of Measurements: 3 Meters  
Operating Frequency: 2422MHz  
Channel: 3



**Plot 7-245. Radiated Restricted Lower Band Edge Measurement SISO SOUTH (Average – 242 Tones)**

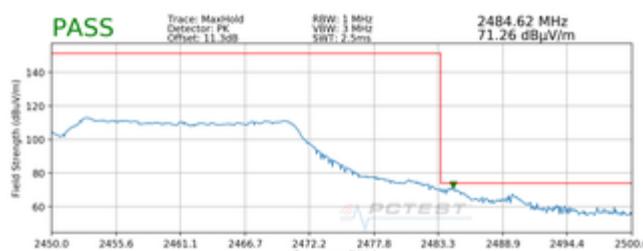


**Plot 7-246. Radiated Restricted Lower Band Edge Measurement SISO SOUTH (Peak – 242 Tones)**

Worst Case Mode: 802.11ax OFDMA  
Worst Case Transfer Rate: MCS0  
RU Index: 62  
Distance of Measurements: 3 Meters  
Operating Frequency: 2452MHz  
Channel: 9



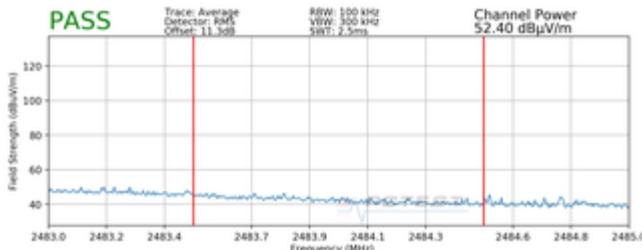
**Plot 7-247. Radiated Restricted Upper Band Edge Measurement SISO SOUTH (Average – 242 Tones)**



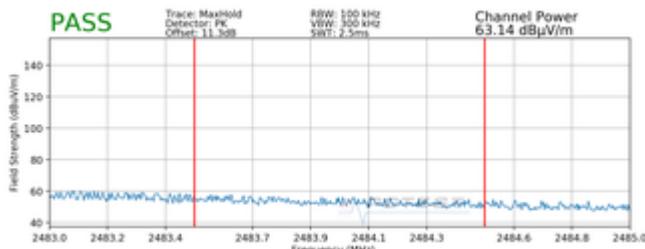
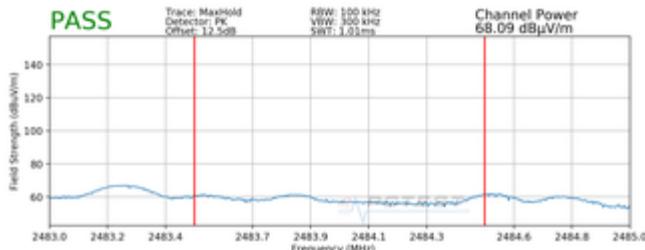
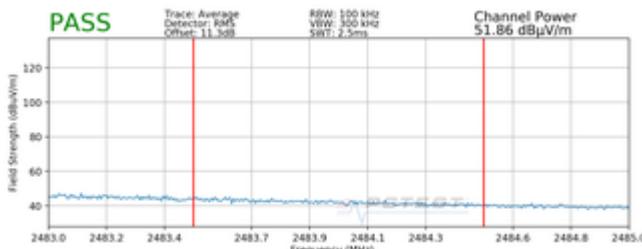
**Plot 7-248. Radiated Restricted Upper Band Edge Measurement SISO SOUTH (Peak – 242 Tones)**

FCC ID: C3K1995 IC: 3048A-1995	 <b>PCTEST</b> Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	 <b>Microsoft</b>	Approved by: Technical Manager
Test Report S/N: 1M2105060048-13.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 173 of 202

Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS0  
 RU Index: 61  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2457MHz  
 Channel: 10



Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS0  
 RU Index: 62  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2462MHz  
 Channel: 11



FCC ID: C3K1995	
IC: 3048A-1995	
Test Report S/N:	Test Dates:
1M2105060048-13.C3K	05/20/2021 - 09/08/2021



**MEASUREMENT REPORT  
(CERTIFICATION)**



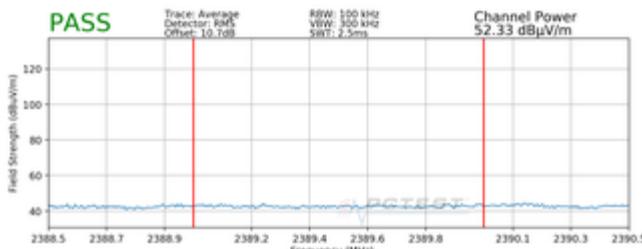
Approved by:  
Technical Manager

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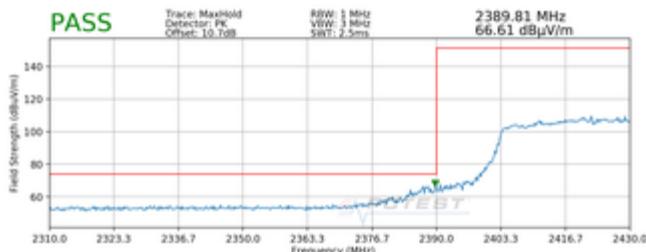
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Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS0  
 RU Index: 65  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2422MHz  
 Channel: 3

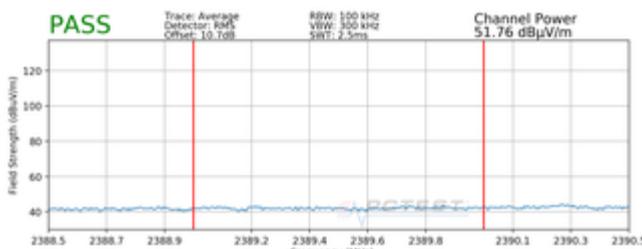


**Plot 7-253. Radiated Restricted Lower Band Edge Measurement SISO SOUTH (Average – 484 Tones)**

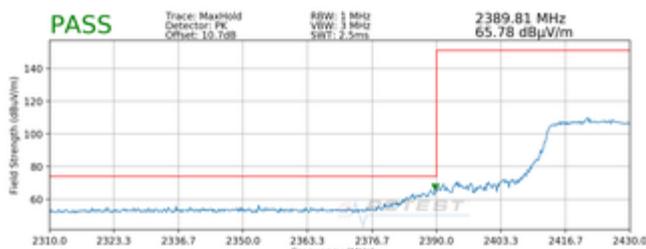


**Plot 7-254. Radiated Restricted Lower Band Edge Measurement SISO SOUTH (Peak – 484 Tones)**

Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS0  
 RU Index: 65  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2432MHz  
 Channel: 5



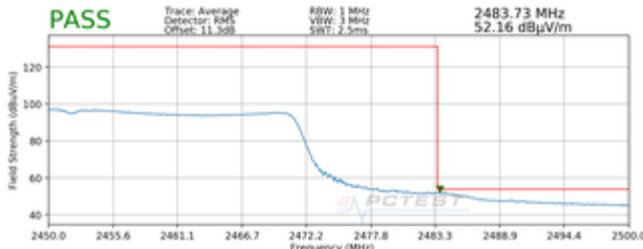
**Plot 7-255. Radiated Restricted Upper Band Edge Measurement SISO SOUTH (Average – 484 Tones)**



**Plot 7-256. Radiated Restricted Upper Band Edge Measurement SISO SOUTH (Peak – 484 Tones)**

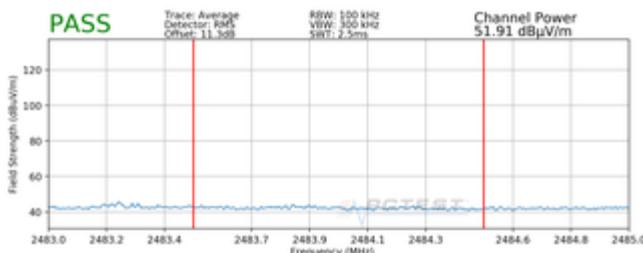
FCC ID: C3K1995 IC: 3048A-1995	 <b>PCTEST</b> Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	 <b>Microsoft</b>	Approved by: Technical Manager
Test Report S/N: 1M2105060048-13.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 175 of 202

Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS0  
 RU Index: 65  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2452MHz  
 Channel: 9

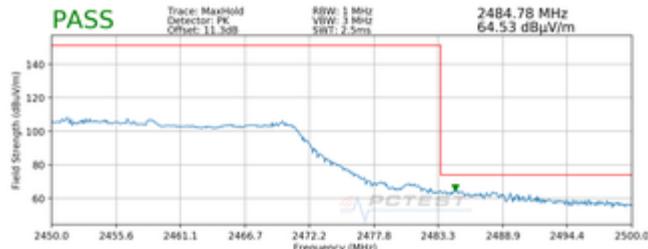


**Plot 7-257. Radiated Restricted Upper Band Edge Measurement SISO SOUTH (Average – 484 Tones)**

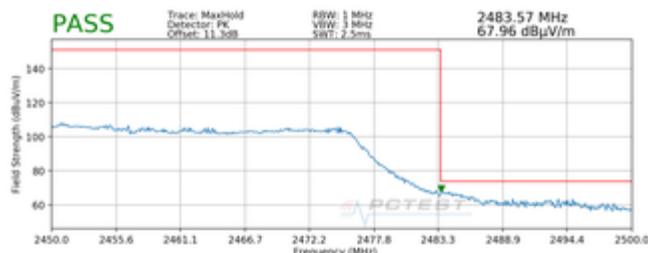
Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS0  
 RU Index: 65  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2457MHz  
 Channel: 10



**Plot 7-259. Radiated Restricted Upper Band Edge Measurement SISO SOUTH (Average – 484 Tones)**



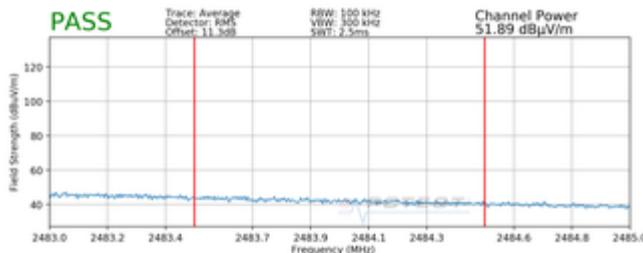
**Plot 7-258. Radiated Restricted Upper Band Edge Measurement SISO SOUTH (Peak – 484 Tones)**



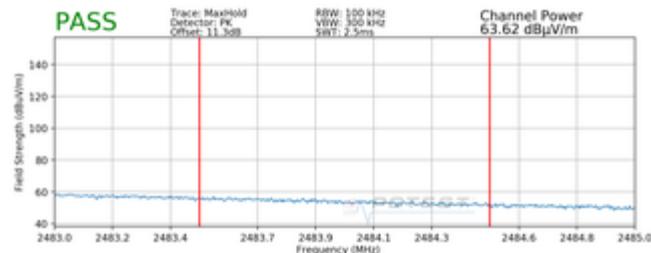
**Plot 7-260. Radiated Restricted Upper Band Edge Measurement SISO SOUTH (Peak – 484 Tones)**

FCC ID: C3K1995 IC: 3048A-1995	<b>PCTEST</b> Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	 Microsoft	Approved by: Technical Manager
Test Report S/N: 1M2105060048-13.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 176 of 202

**Worst Case Mode:** 802.11ax OFDMA  
**Worst Case Transfer Rate:** MCS0  
**RU Index:** 65  
**Distance of Measurements:** 3 Meters  
**Operating Frequency:** 2462MHz  
**Channel:** 11



**Plot 7-261. Radiated Restricted Upper Band Edge Measurement SISO SOUTH (Average – 484 Tones)**



**Plot 7-262. Radiated Restricted Upper Band Edge Measurement SISO SOUTH (Peak – 484 Tones)**

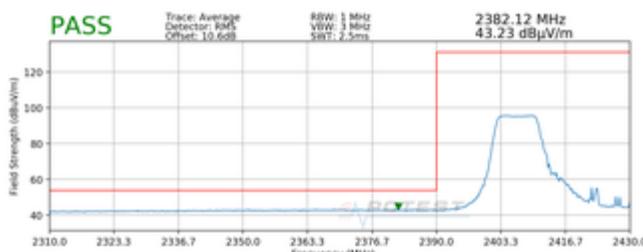
FCC ID: C3K1995 IC: 3048A-1995	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>		 Approved by: Technical Manager
<b>Test Report S/N:</b> 1M2105060048-13.C3K	<b>Test Dates:</b> 05/20/2021 - 09/08/2021	<b>EUT Type:</b> Portable Handset	Page 177 of 202

## 7.7.6 SISO NORTH Radiated Restricted Band Edge Measurements 20MHz

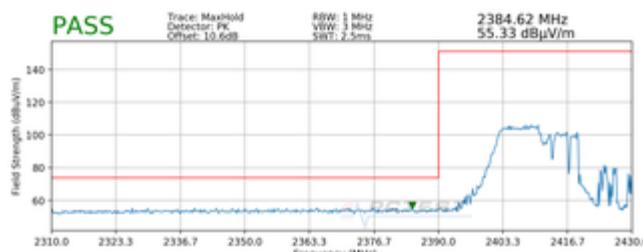
### §15.205 §15.209; RSS-Gen [8.9]

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

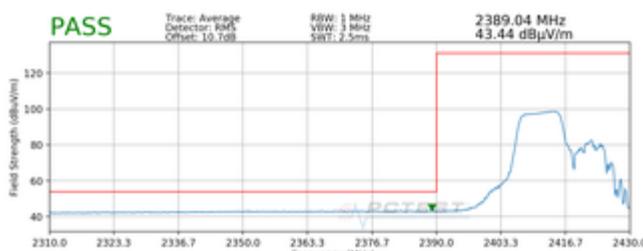


**Plot 7-263. Radiated Restricted Lower Band Edge Measurement SISO NORTH (Average – 106 Tones)**

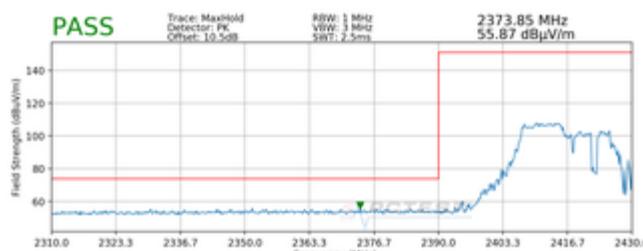


**Plot 7-264. Radiated Restricted Lower Band Edge Measurement SISO NORTH (Peak – 106 Tones)**

Worst Case Mode: 802.11ax OFDMA  
Worst Case Transfer Rate: MCS0  
RU Index: 53  
Distance of Measurements: 3 Meters  
Operating Frequency: 2417MHz  
Channel: 2



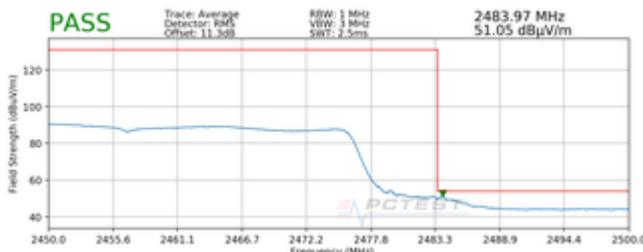
**Plot 7-265. Radiated Restricted Lower Band Edge Measurement SISO NORTH (Average – 106 Tones)**



**Plot 7-266. Radiated Restricted Lower Band Edge Measurement SISO NORTH (Peak – 106 Tones)**

FCC ID: C3K1995 IC: 3048A-1995	 PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	 Approved by: Technical Manager
Test Report S/N: 1M2105060048-13.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset	Page 178 of 202

Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS0  
 RU Index: 54  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2457MHz  
 Channel: 10

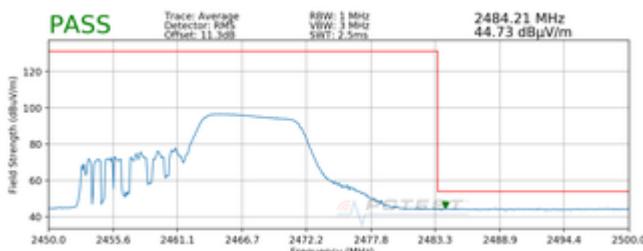


**Plot 7-267. Radiated Restricted Upper Band Edge Measurement SISO NORTH (Average – 106 Tones)**

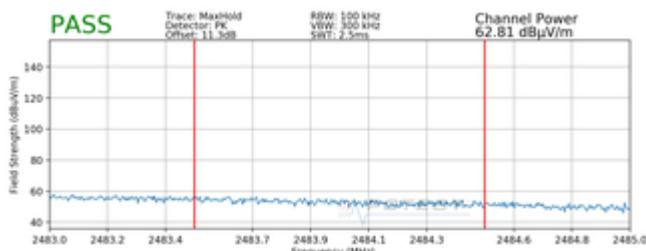


**Plot 7-268. Radiated Restricted Upper Band Edge Measurement SISO NORTH (Peak – 106 Tones)**

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



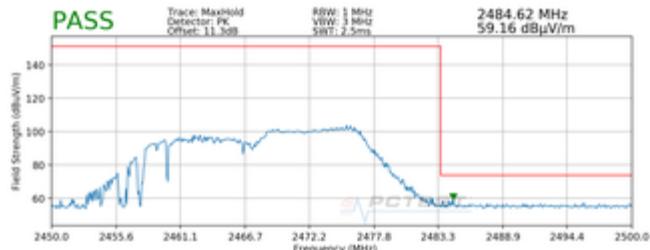
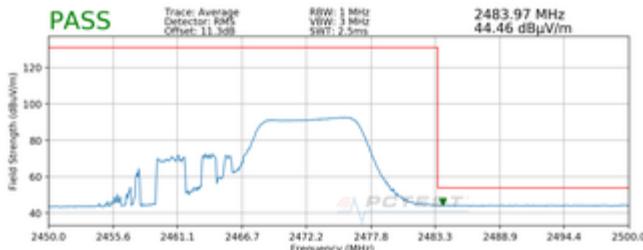
**Plot 7-269. Radiated Restricted Upper Band Edge Measurement SISO NORTH (Average – 106 Tones)**



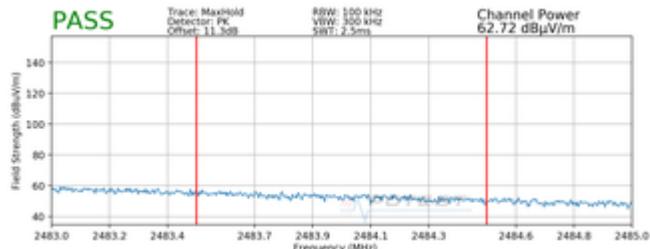
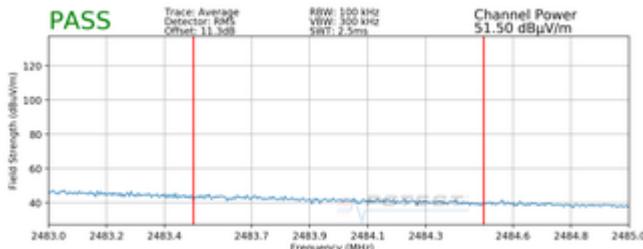
**Plot 7-270. Radiated Restricted Upper Band Edge Measurement SISO NORTH (Peak – 106 Tones)**

FCC ID: C3K1995 IC: 3048A-1995	 <b>PCTEST</b> Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	 <b>Microsoft</b>	Approved by: Technical Manager
Test Report S/N: 1M2105060048-13.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 179 of 202

Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS0  
 RU Index: 54  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2467MHz  
 Channel: 12



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



FCC ID: C3K1995
IC: 3048A-1995
Test Report S/N: 1M2105060048-13.C3K
Test Dates: 05/20/2021 - 09/08/2021



MEASUREMENT REPORT  
(CERTIFICATION)

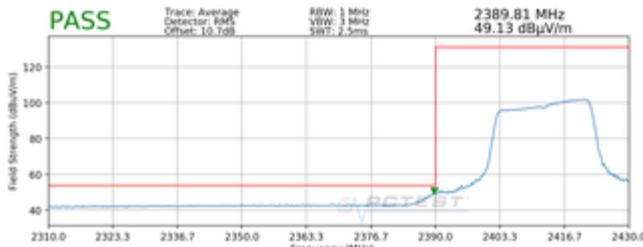


Approved by:  
Technical Manager

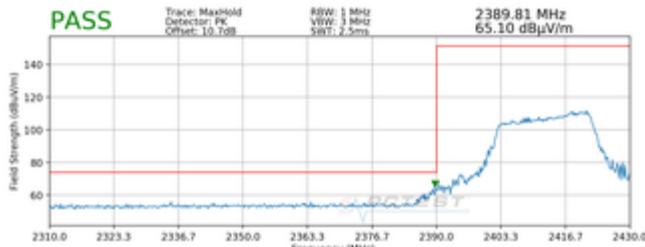
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Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS0  
 RU Index: 61  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2412MHz  
 Channel: 1

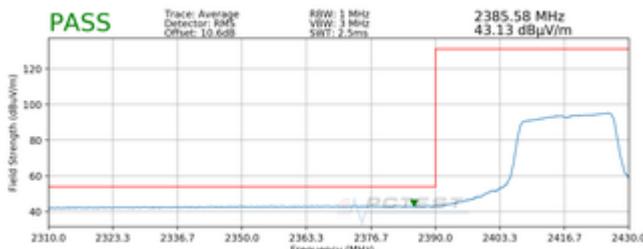


**Plot 7-275. Radiated Restricted Lower Band Edge Measurement SISO NORTH (Average – 242 Tones)**

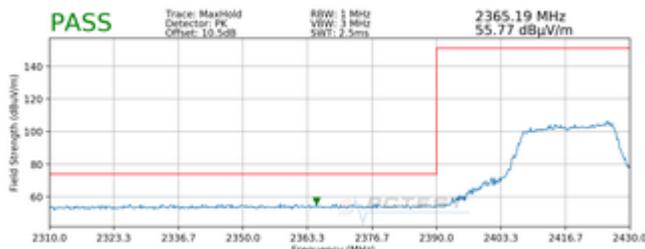


**Plot 7-276. Radiated Restricted Lower Band Edge Measurement SISO NORTH (Peak – 242 Tones)**

Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS0  
 RU Index: 61  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2417MHz  
 Channel: 2



**Plot 7-277. Radiated Restricted Lower Band Edge Measurement SISO NORTH (Average – 242 Tones)**



**Plot 7-278. Radiated Restricted Lower Band Edge Measurement SISO NORTH (Peak – 242 Tones)**

FCC ID: C3K1995 IC: 3048A-1995		
Test Report S/N: 1M2105060048-13.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset



**MEASUREMENT REPORT  
(CERTIFICATION)**

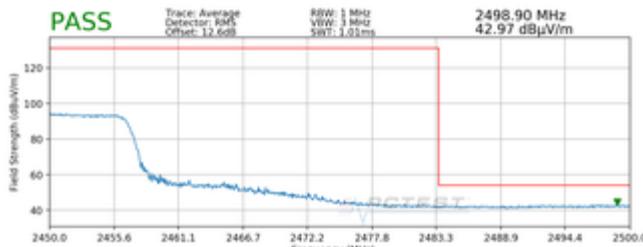


Approved by:  
Technical Manager

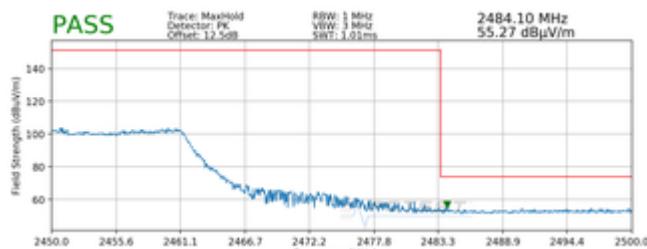
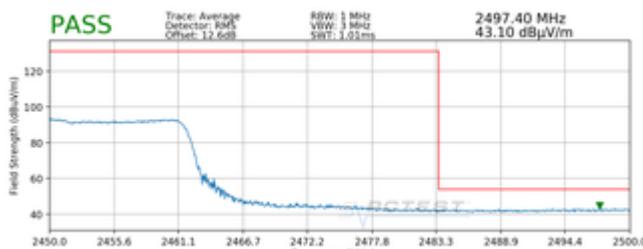
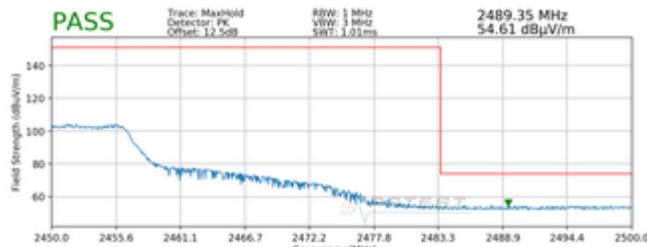
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**Worst Case Mode:** 802.11ax OFDMA  
**Worst Case Transfer Rate:** MCS0  
**RU Index:** 61  
**Distance of Measurements:** 3 Meters  
**Operating Frequency:** 2447MHz  
**Channel:** 8



**Worst Case Mode:** 802.11ax OFDMA  
**Worst Case Transfer Rate:** MCS0  
**RU Index:** 61  
**Distance of Measurements:** 3 Meters  
**Operating Frequency:** 2452MHz  
**Channel:** 9



FCC ID: C3K1995	IC: 3048A-1995
Test Report S/N: 1M2105060048-13.C3K	Test Dates: 05/20/2021 - 09/08/2021



MEASUREMENT REPORT  
(CERTIFICATION)



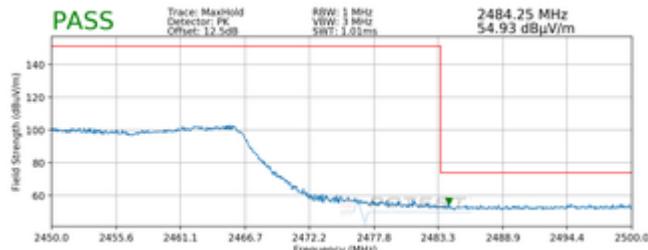
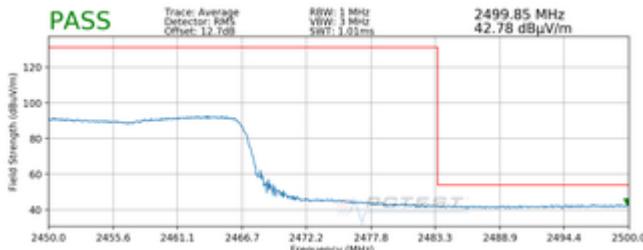
Approved by:  
Technical Manager

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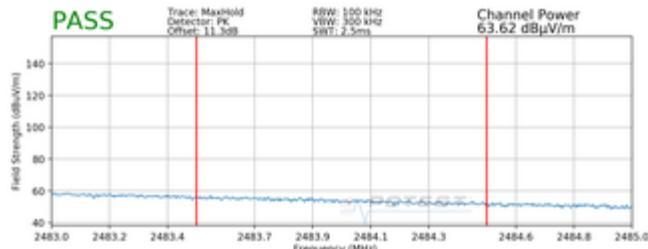
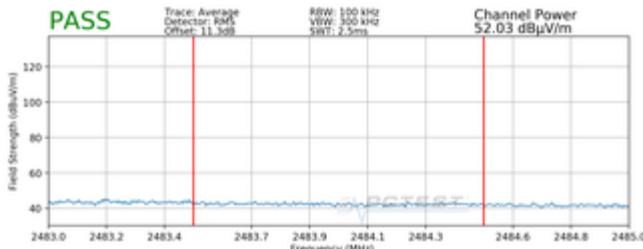
V 9.0 02/01/2019

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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: 2457MHz  
 Channel: 10



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



FCC ID: C3K1995 IC: 3048A-1995		
Test Report S/N: 1M2105060048-13.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset



MEASUREMENT REPORT  
(CERTIFICATION)

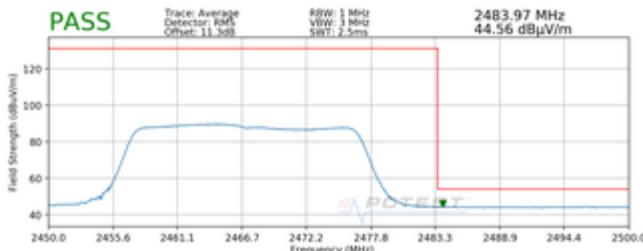


Approved by:  
Technical Manager

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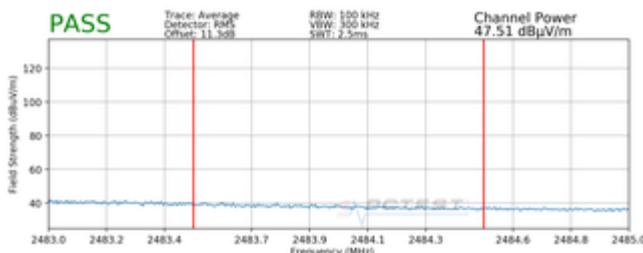
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Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS0  
 RU Index: 61  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2467MHz  
 Channel: 12

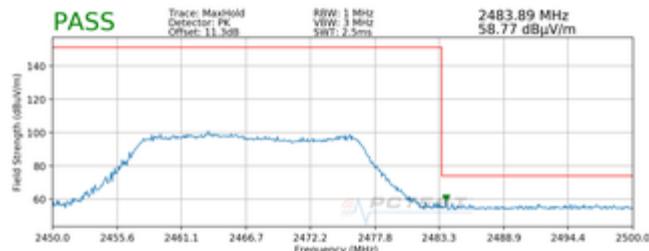


**Plot 7-287. Radiated Restricted Upper Band Edge Measurement SISO NORTH (Average – 242 Tones)**

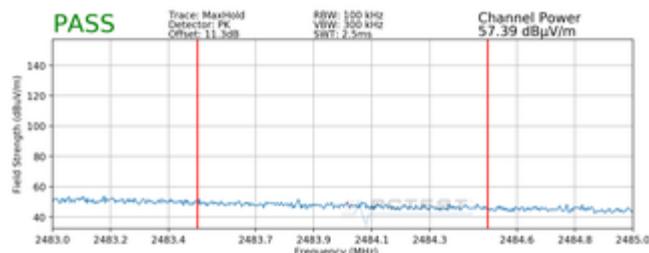
Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS0  
 RU Index: 61  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2472MHz  
 Channel: 13



**Plot 7-289. Radiated Restricted Upper Band Edge Measurement SISO NORTH (Average – 242 Tones)**



**Plot 7-288. Radiated Restricted Upper Band Edge Measurement SISO NORTH (Peak – 242 Tones)**



**Plot 7-290. Radiated Restricted Upper Band Edge Measurement SISO NORTH (Peak – 242 Tones)**

FCC ID: C3K1995 IC: 3048A-1995		
Test Report S/N: 1M2105060048-13.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset



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Approved by:  
Technical Manager

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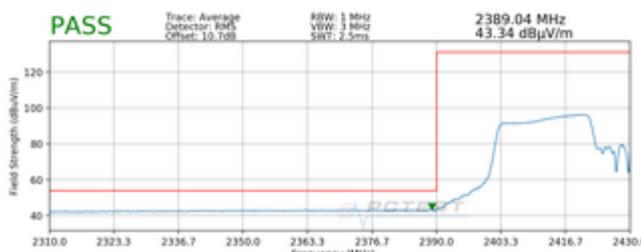
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## 7.7.7 SISO NORTH Radiated Restricted Band Edge Measurements 40MHz

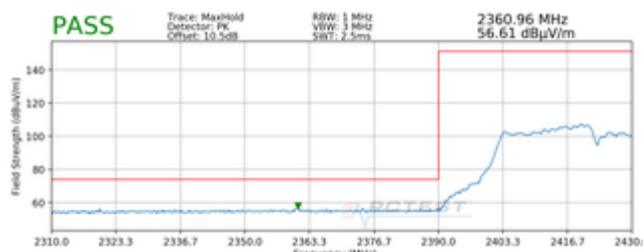
### §15.205 §15.209; RSS-Gen [8.9]

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: 61  
Distance of Measurements: 3 Meters  
Operating Frequency: 2422MHz  
Channel: 3

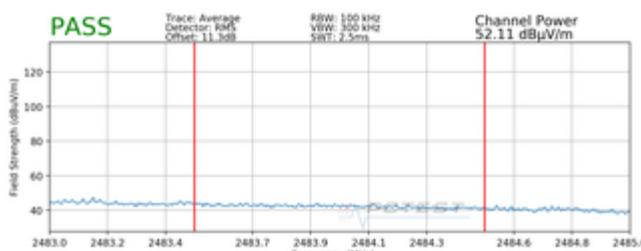


**Plot 7-291. Radiated Restricted Lower Band Edge Measurement SISO NORTH (Average – 242 Tones)**

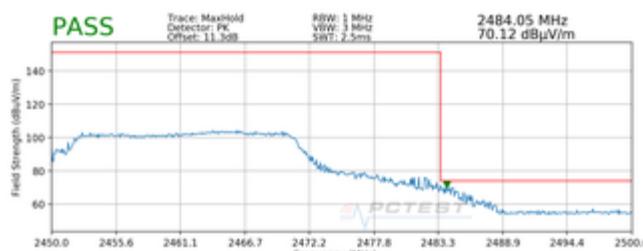


**Plot 7-292. Radiated Restricted Lower Band Edge Measurement SISO NORTH (Peak – 242 Tones)**

Worst Case Mode: 802.11ax OFDMA  
Worst Case Transfer Rate: MCS0  
RU Index: 61  
Distance of Measurements: 3 Meters  
Operating Frequency: 2452MHz  
Channel: 9



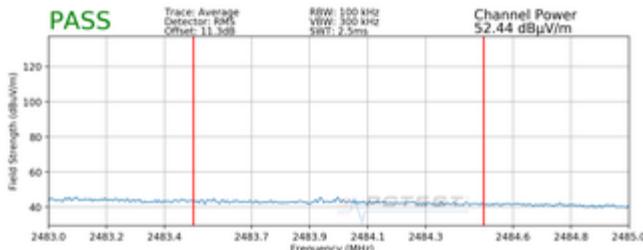
**Plot 7-293. Radiated Restricted Upper Band Edge Measurement SISO NORTH (Average – 242 Tones)**



**Plot 7-294. Radiated Restricted Upper Band Edge Measurement SISO NORTH (Peak – 242 Tones)**

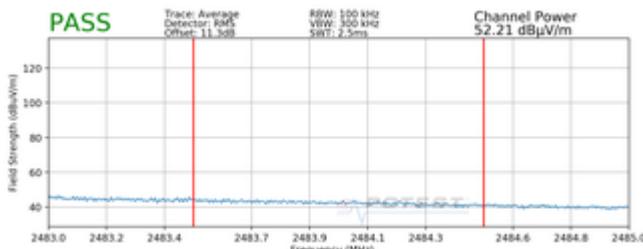
FCC ID: C3K1995 IC: 3048A-1995	 PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	 Approved by: Technical Manager
Test Report S/N: 1M2105060048-13.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset	Page 185 of 202

Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS0  
 RU Index: 61  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2457MHz  
 Channel: 10

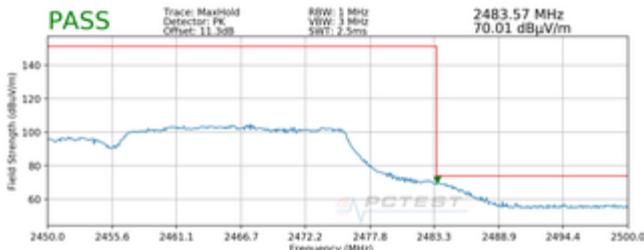


**Plot 7-295. Radiated Restricted Upper Band Edge Measurement SISO NORTH (Average – 242 Tones)**

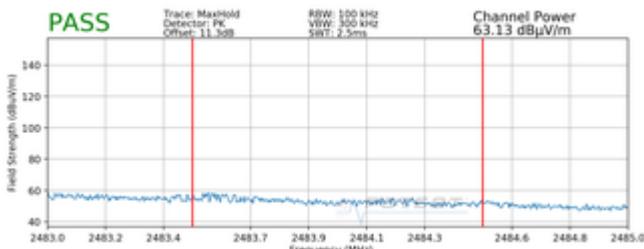
Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS0  
 RU Index: 61  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2462MHz  
 Channel: 11



**Plot 7-297. Radiated Restricted Upper Band Edge Measurement SISO NORTH (Average – 242 Tones)**



**Plot 7-296. Radiated Restricted Upper Band Edge Measurement SISO NORTH (Peak – 242 Tones)**



**Plot 7-298. Radiated Restricted Upper Band Edge Measurement SISO NORTH (Peak – 242 Tones)**

FCC ID: C3K1995 IC: 3048A-1995		
Test Report S/N: 1M2105060048-13.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset



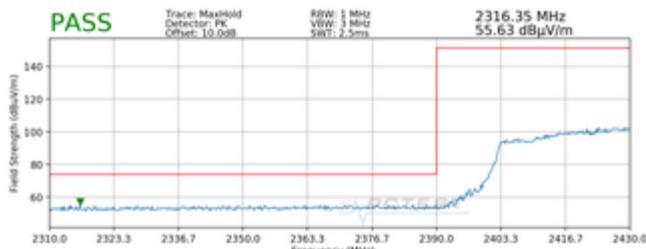
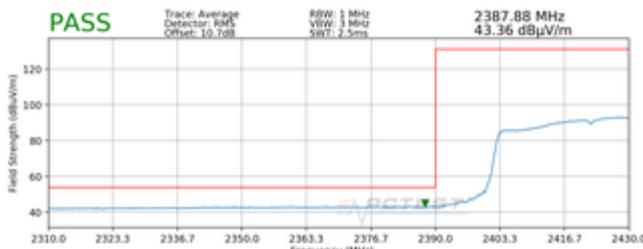
**MEASUREMENT REPORT  
(CERTIFICATION)**



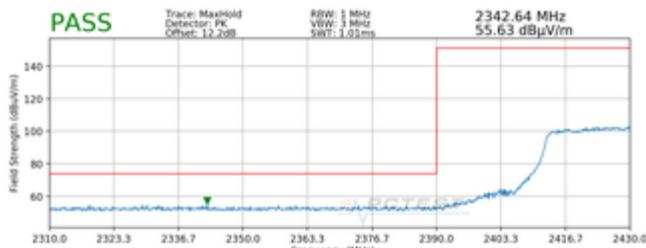
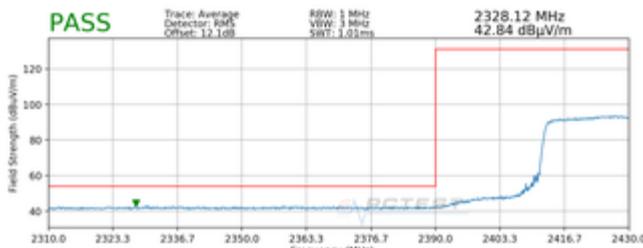
Approved by:  
Technical Manager

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Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS0  
 RU Index: 65  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2422MHz  
 Channel: 3



Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS0  
 RU Index: 65  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2432MHz  
 Channel: 5



FCC ID: C3K1995	IC: 3048A-1995
Test Report S/N: 1M2105060048-13.C3K	Test Dates: 05/20/2021 - 09/08/2021



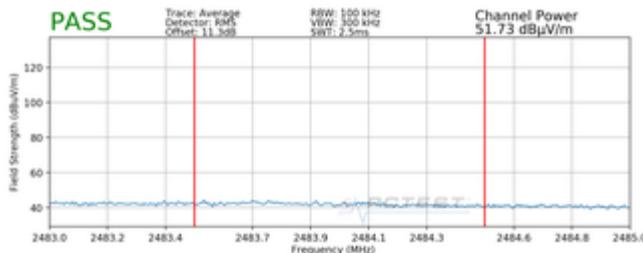
MEASUREMENT REPORT  
(CERTIFICATION)



Approved by:  
Technical Manager

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**Worst Case Mode:** 802.11ax OFDMA  
**Worst Case Transfer Rate:** MCS0  
**RU Index:** 65  
**Distance of Measurements:** 3 Meters  
**Operating Frequency:** 2452MHz  
**Channel:** 9



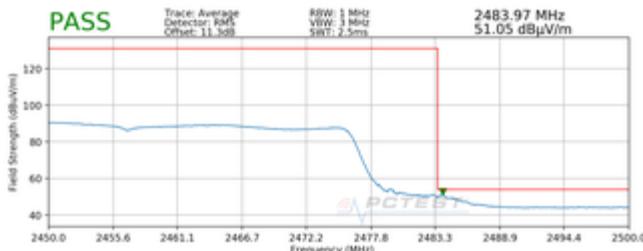
**Plot 7-303. Radiated Restricted Upper Band Edge Measurement SISO NORTH (Average – 484 Tones)**



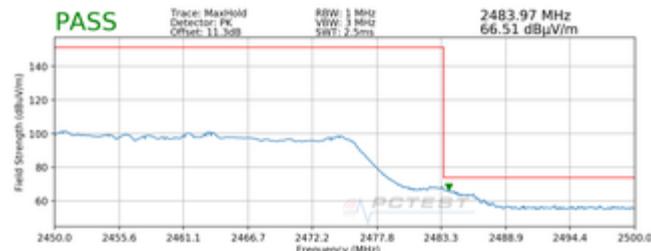
**Plot 7-304. Radiated Restricted Upper Band Edge Measurement SISO NORTH (Peak – 484 Tones)**

FCC ID: C3K1995 IC: 3048A-1995	 PCTEST® Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2105060048-13.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 188 of 202

Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS0  
 RU Index: 65  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2457MHz  
 Channel: 10



**Plot 7-305. Radiated Restricted Upper Band Edge Measurement SISO NORTH (Average – 484 Tones)**

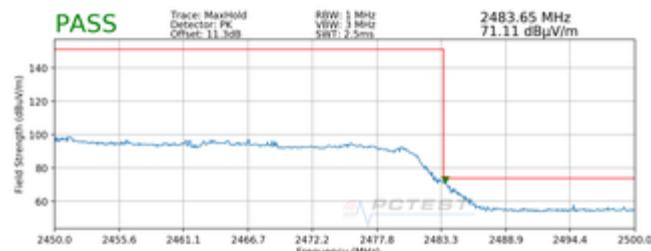


**Plot 7-306. Radiated Restricted Upper Band Edge Measurement SISO NORTH (Peak – 484 Tones)**

Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS0  
 RU Index: 65  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2462MHz  
 Channel: 11



**Plot 7-307. Radiated Restricted Upper Band Edge Measurement SISO NORTH (Average – 484 Tones)**



**Plot 7-308. Radiated Restricted Upper Band Edge Measurement SISO NORTH (Peak – 484 Tones)**

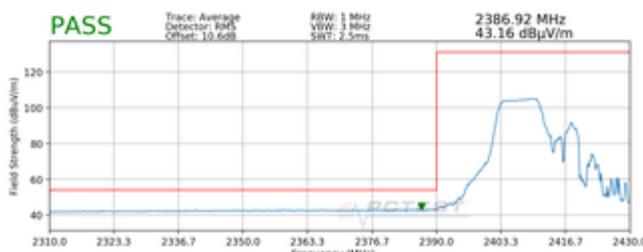
FCC ID: C3K1995 IC: 3048A-1995	<b>PCTEST</b> Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	 Approved by: Technical Manager
Test Report S/N: 1M2105060048-13.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset	Page 189 of 202

## 7.7.8 MIMO Radiated Restricted Band Edge Measurements 20MHz

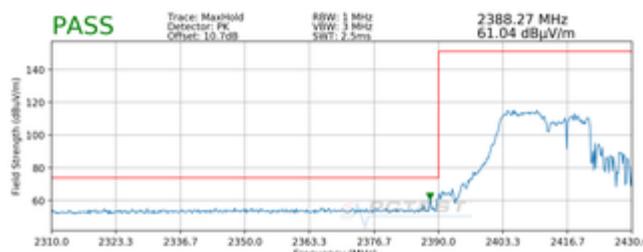
### §15.205 §15.209; RSS-Gen [8.9]

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

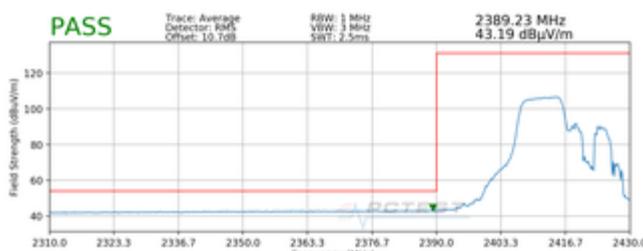


**Plot 7-309. Radiated Restricted Lower Band Edge Measurement MIMO (Average – 106 Tones)**

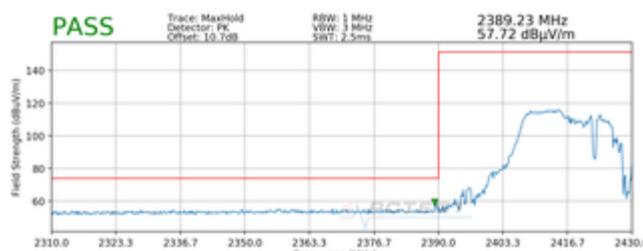


**Plot 7-310. Radiated Restricted Lower Band Edge Measurement MIMO (Peak – 106 Tones)**

Worst Case Mode: 802.11ax OFDMA  
Worst Case Transfer Rate: MCS0  
RU Index: 53  
Distance of Measurements: 3 Meters  
Operating Frequency: 2417MHz  
Channel: 2



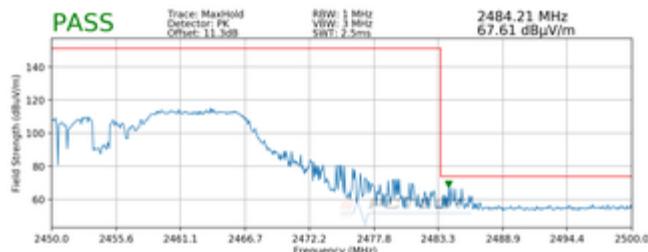
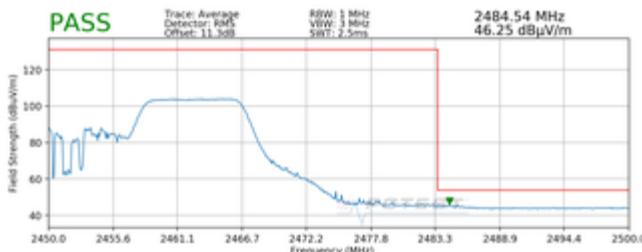
**Plot 7-311. Radiated Restricted Lower Band Edge Measurement MIMO (Average – 106 Tones)**



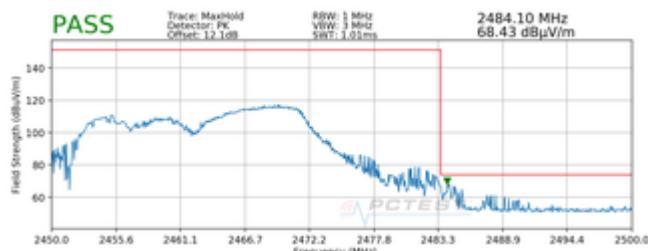
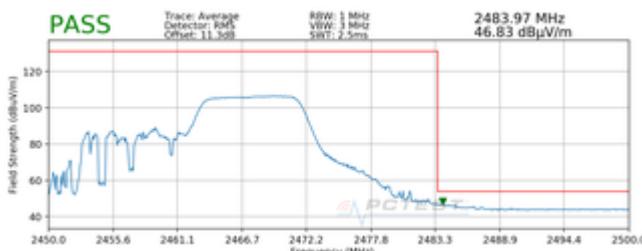
**Plot 7-312. Radiated Restricted Lower Band Edge Measurement MIMO (Peak – 106 Tones)**

FCC ID: C3K1995 IC: 3048A-1995	 PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	 Approved by: Technical Manager
Test Report S/N: 1M2105060048-13.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset	Page 190 of 202

Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS0  
 RU Index: 53  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2457MHz  
 Channel: 10



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



FCC ID: C3K1995 IC: 3048A-1995		
Test Report S/N: 1M2105060048-13.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset



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Approved by:  
Technical Manager

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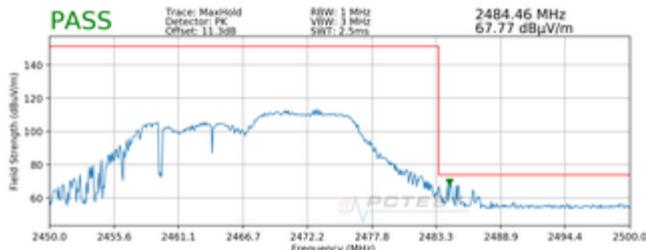
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Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS0  
 RU Index: 53  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2467MHz  
 Channel: 12

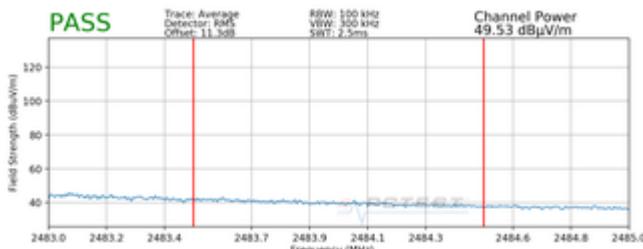


**Plot 7-317. Radiated Restricted Upper Band Edge Measurement MIMO (Average – 106 Tones)**

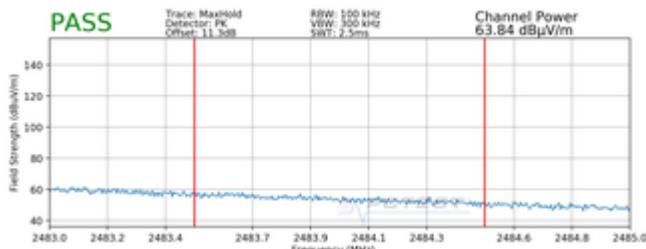


**Plot 7-318. Radiated Restricted Upper Band Edge Measurement MIMO (Peak – 106 Tones)**

Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS0  
 RU Index: 53  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2472MHz  
 Channel: 13



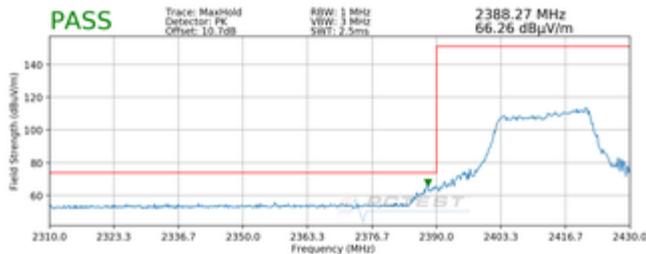
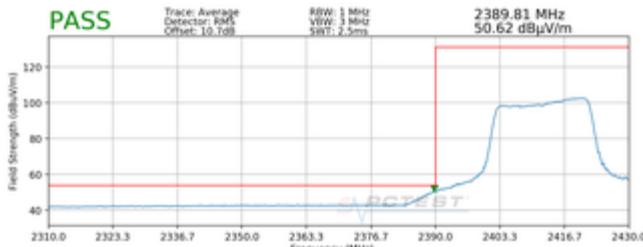
**Plot 7-319. Radiated Restricted Upper Band Edge Measurement MIMO (Average – 106 Tones)**



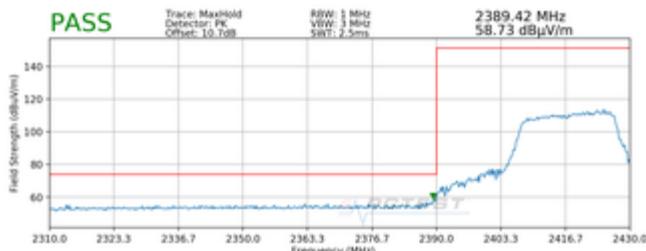
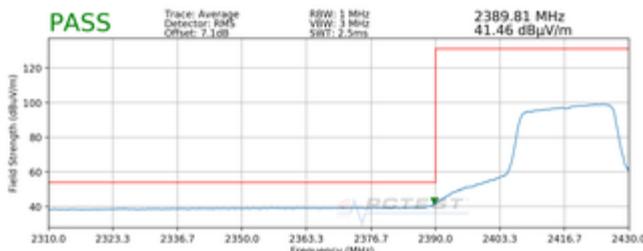
**Plot 7-320. Radiated Restricted Upper Band Edge Measurement MIMO (Peak – 106 Tones)**

FCC ID: C3K1995 IC: 3048A-1995	 <b>PCTEST</b> Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	 <b>Microsoft</b>	Approved by: Technical Manager
Test Report S/N: 1M2105060048-13.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 192 of 202

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



Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS0  
 RU Index: 61  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2417MHz  
 Channel: 2



FCC ID: C3K1995 IC: 3048A-1995	
Test Report S/N: 1M2105060048-13.C3K	Test Dates: 05/20/2021 - 09/08/2021



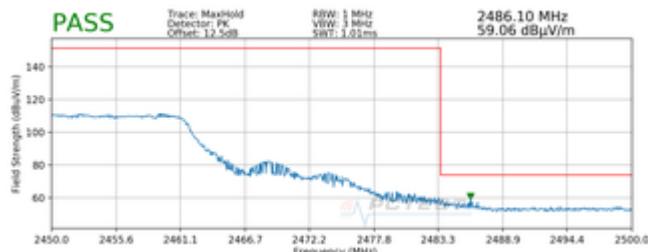
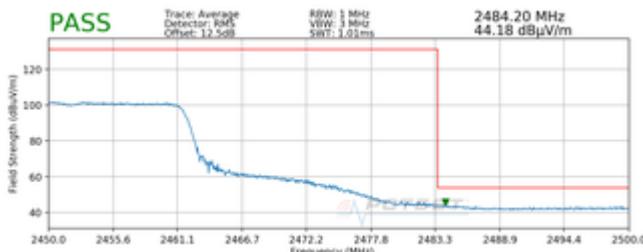
MEASUREMENT REPORT  
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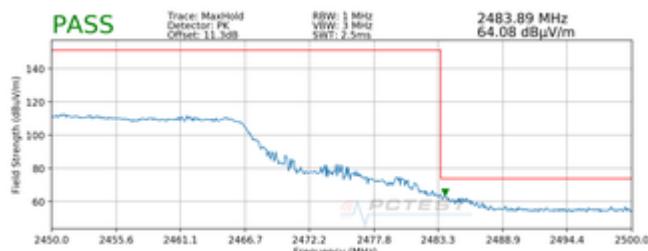
Approved by:  
Technical Manager

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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: 2452MHz  
 Channel: 9



Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS0  
 RU Index: 61  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2457MHz  
 Channel: 10



FCC ID: C3K1995	IC: 3048A-1995
Test Report S/N: 1M2105060048-13.C3K	Test Dates: 05/20/2021 - 09/08/2021



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(CERTIFICATION)



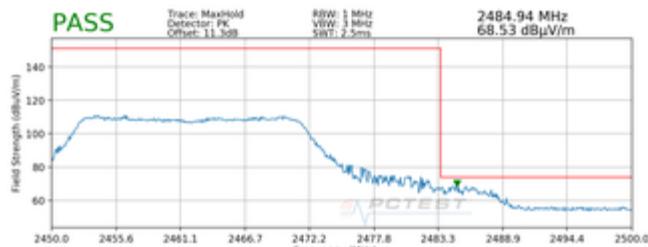
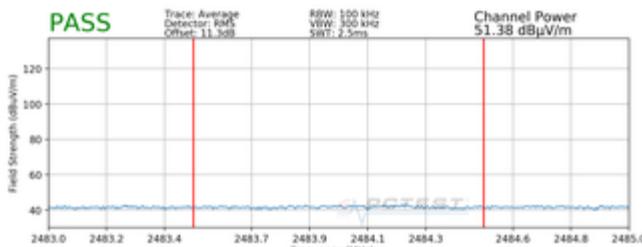
Approved by:  
Technical Manager

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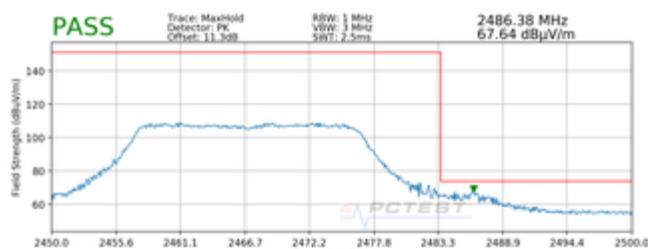
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Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS0  
 RU Index: 61  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2462MHz  
 Channel: 11

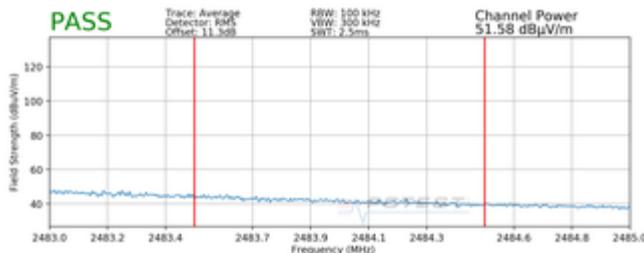


Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS0  
 RU Index: 61  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2467MHz  
 Channel: 12

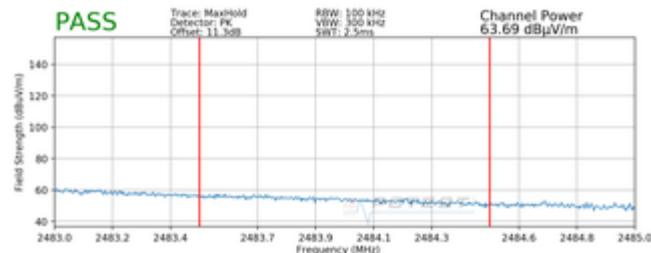


FCC ID: C3K1995 IC: 3048A-1995	 <b>PCTEST</b> Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	 <b>Microsoft</b>	Approved by: Technical Manager
Test Report S/N: 1M2105060048-13.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 195 of 202

**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 7-333. Radiated Restricted Upper Band Edge Measurement MIMO (Average – 242 Tones)**



**Plot 7-334. Radiated Restricted Upper Band Edge Measurement MIMO (Peak – 242 Tones)**

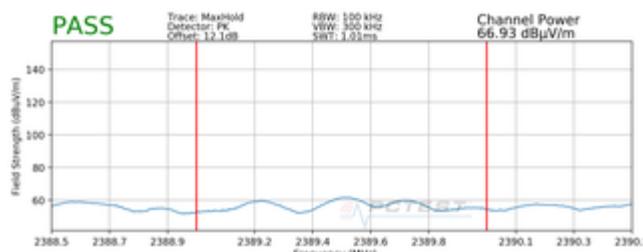
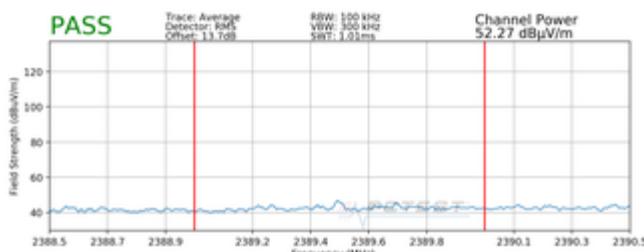
FCC ID: C3K1995 IC: 3048A-1995	 PCTEST® Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2105060048-13.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 196 of 202

## 7.7.9 MIMO Radiated Restricted Band Edge Measurements 40MHz

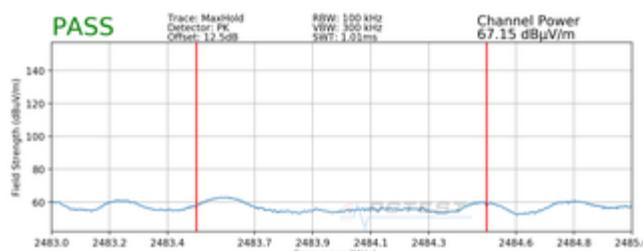
### §15.205 §15.209; RSS-Gen [8.9]

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: 61  
Distance of Measurements: 3 Meters  
Operating Frequency: 2422MHz  
Channel: 3



Worst Case Mode: 802.11ax OFDMA  
Worst Case Transfer Rate: MCS0  
RU Index: 62  
Distance of Measurements: 3 Meters  
Operating Frequency: 2452MHz  
Channel: 9



FCC ID: C3K1995 IC: 3048A-1995		
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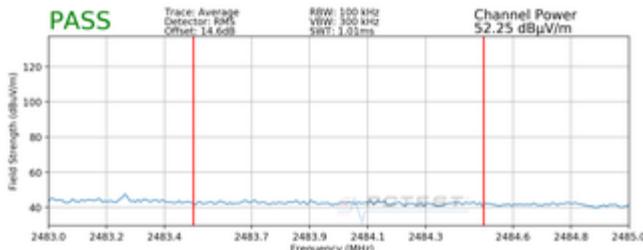
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Technical Manager

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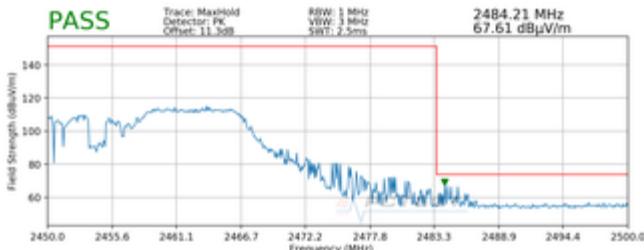
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Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS0  
 RU Index: 62  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2457MHz  
 Channel: 10



**Plot 7-339. Radiated Restricted Upper Band Edge Measurement MIMO (Average – 242 Tones)**

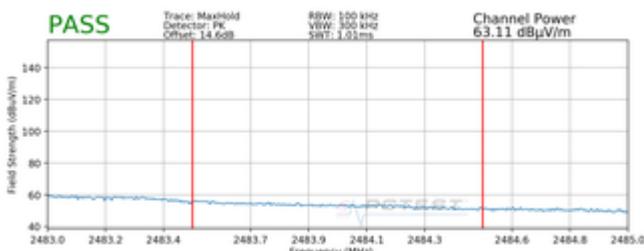
Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS0  
 RU Index: 62  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2462MHz  
 Channel: 11



**Plot 7-340. Radiated Restricted Upper Band Edge Measurement MIMO (Peak – 242 Tones)**



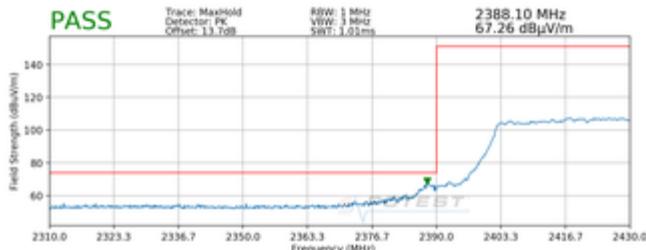
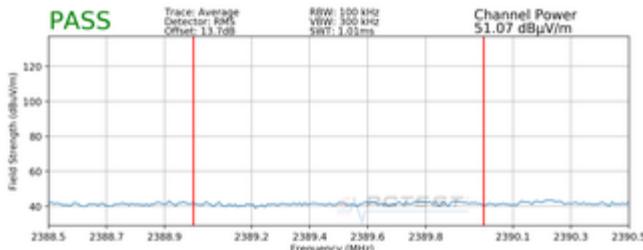
**Plot 7-341. Radiated Restricted Upper Band Edge Measurement MIMO (Average – 242 Tones)**



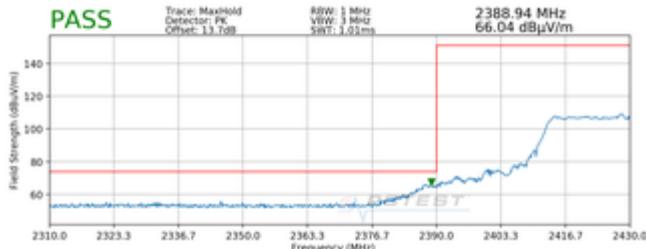
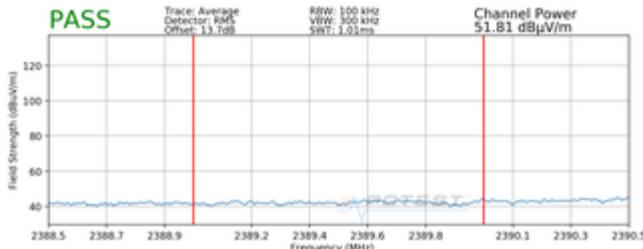
**Plot 7-342. Radiated Restricted Upper Band Edge Measurement MIMO (Peak – 242 Tones)**

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Test Report S/N: 1M2105060048-13.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 198 of 202

Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS0  
 RU Index: 65  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2422MHz  
 Channel: 3



Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS0  
 RU Index: 65  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2432MHz  
 Channel: 5



FCC ID: C3K1995	IC: 3048A-1995
Test Report S/N: 1M2105060048-13.C3K	Test Dates: 05/20/2021 - 09/08/2021



**MEASUREMENT REPORT  
(CERTIFICATION)**

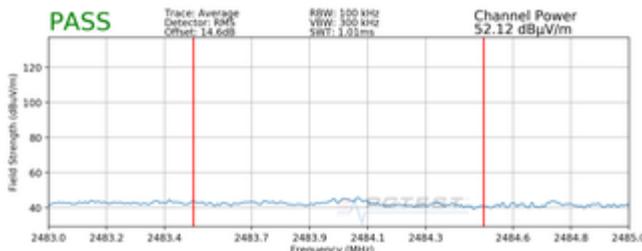


Approved by:  
Technical Manager

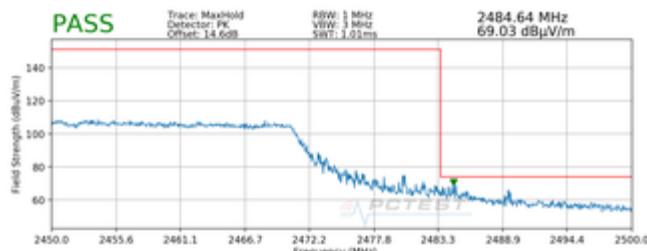
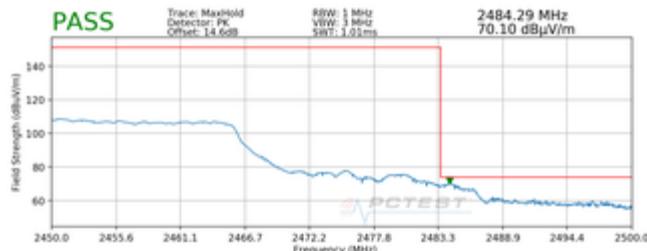
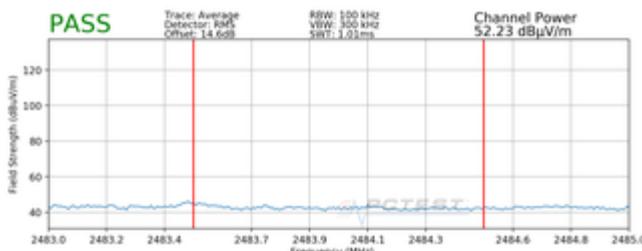
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**Worst Case Mode:** 802.11ax OFDMA  
**Worst Case Transfer Rate:** MCS0  
**RU Index:** 65  
**Distance of Measurements:** 3 Meters  
**Operating Frequency:** 2447MHz  
**Channel:** 8

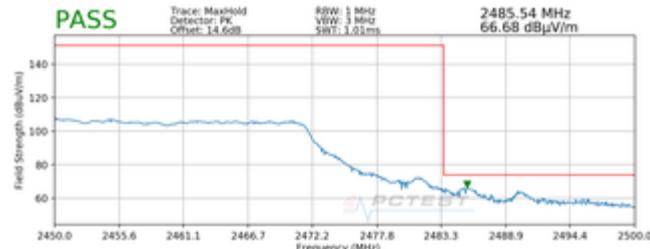
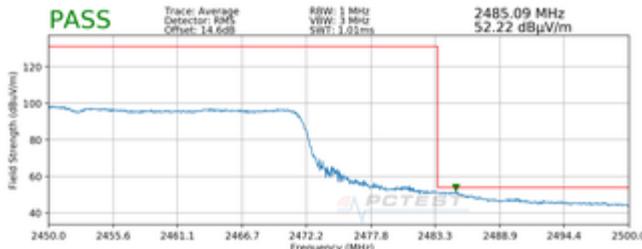


**Worst Case Mode:** 802.11ax OFDMA  
**Worst Case Transfer Rate:** MCS0  
**RU Index:** 65  
**Distance of Measurements:** 3 Meters  
**Operating Frequency:** 2452MHz  
**Channel:** 9

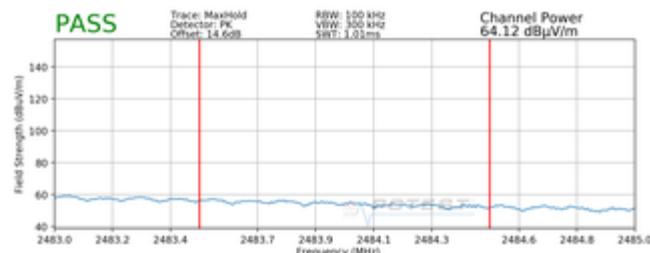
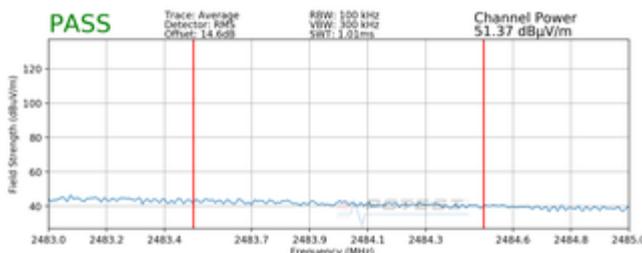


FCC ID: C3K1995 IC: 3048A-1995	 PCTEST® Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	 Approved by: Technical Manager
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Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS0  
 RU Index: 65  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2457MHz  
 Channel: 10



Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS0  
 RU Index: 65  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2462MHz  
 Channel: 11



FCC ID: C3K1995 IC: 3048A-1995	<b>PCTEST®</b> Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	 Approved by: Technical Manager
Test Report S/N: 1M2105060048-13.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset	Page 201 of 202

## 8.0 CONCLUSION

The data collected relate only the item(s) tested and show that the **Microsoft Corporation Portable Handset FCC ID: C3K1995** is in compliance with Part 15 Subpart C (15.247) of the FCC Rules and RSS-247 Issue 2 of the Innovation, Science and Economic Development Canada Rules.

FCC ID: C3K1995 IC: 3048A-1995	 Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2105060048-13.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 202 of 202