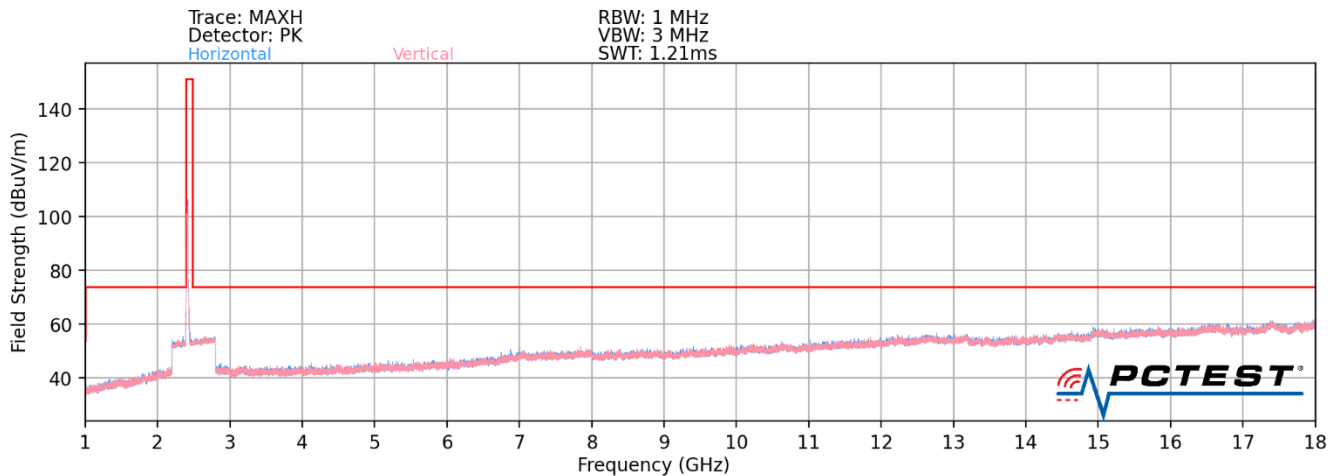
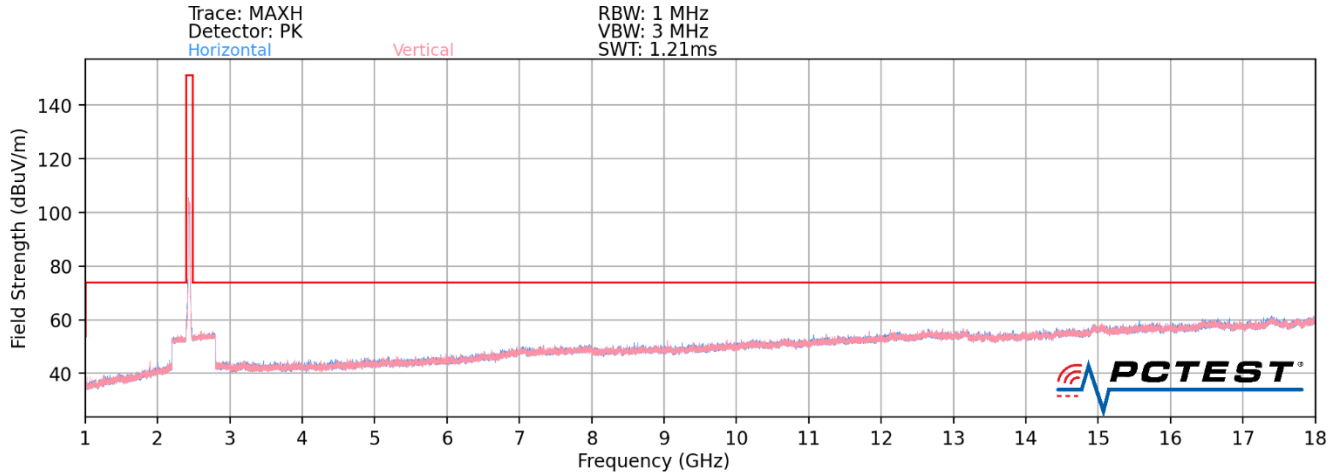


Plot 7-193. Radiated Spurious Plot above 1GHz SISO NORTH (802.11ax OFDMA – 242 Tones – Ch. 11) 300°

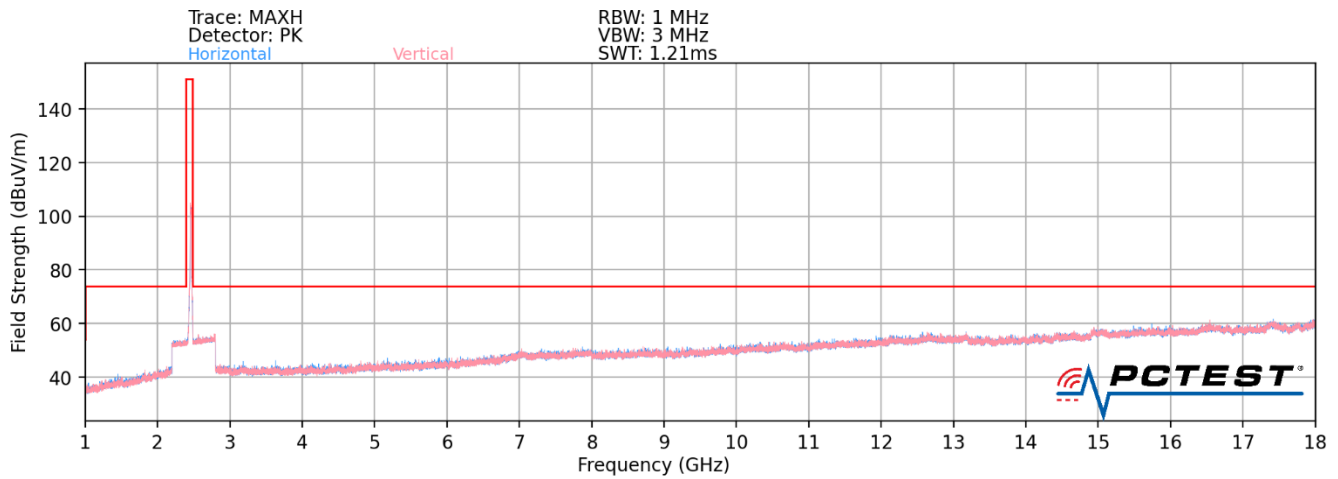


Plot 7-194. Radiated Spurious Plot above 1GHz SISO NORTH (802.11ax OFDMA – 242 Tones – Ch. 1) Closed

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of element	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 149 of 202



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

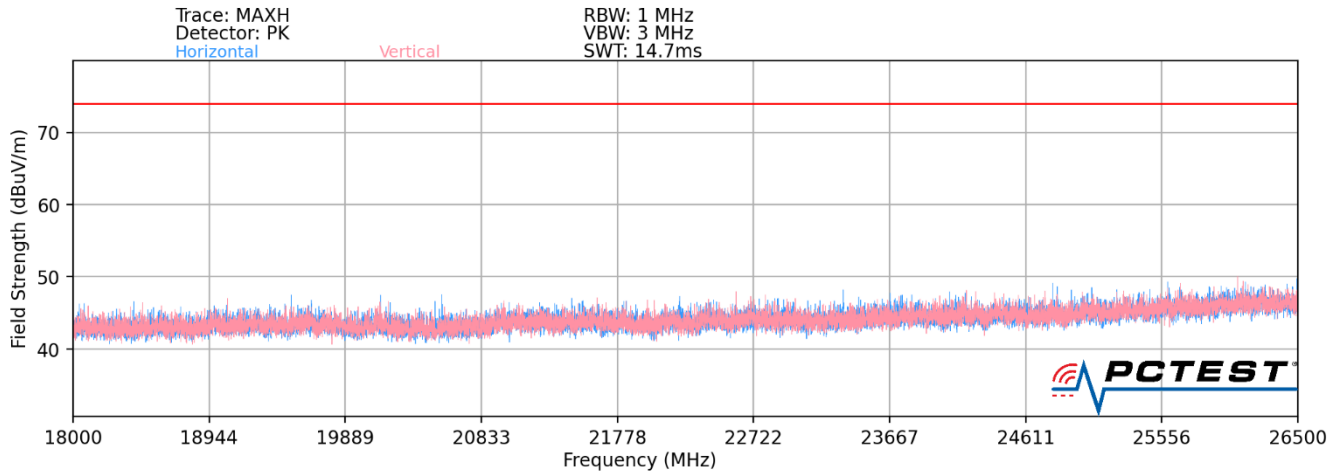


**Plot 7-196. Radiated Spurious Plot above 1GHz SISO NORTH (802.11ax OFDMA – 242 Tones – Ch. 11)
Closed**

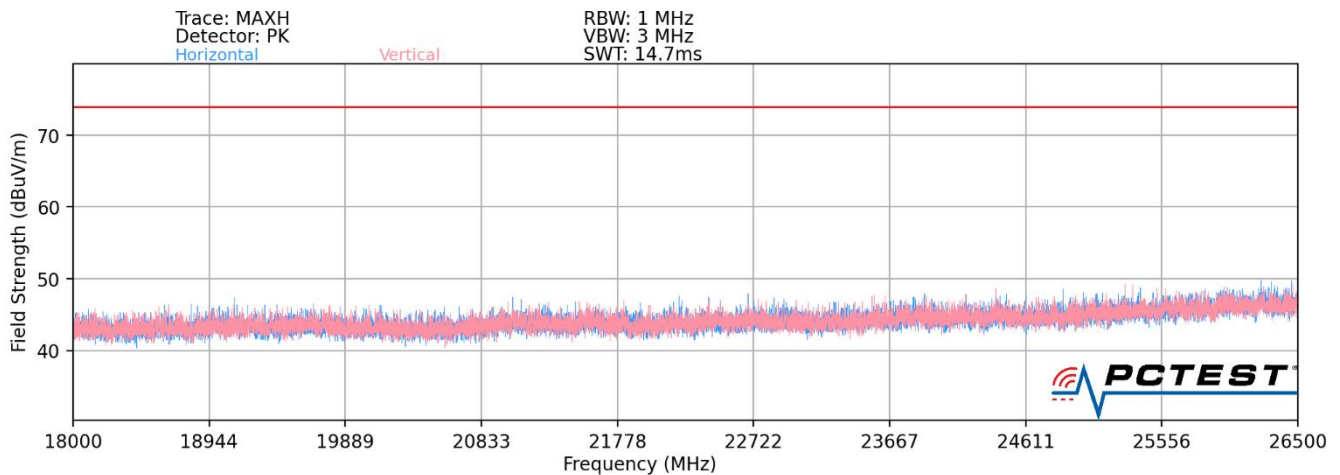
FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Microsoft	Approved by: Technical Manager
Test Report S/N: 1M2105060048-13.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 150 of 202

SISO NORTH Radiated Spurious Emissions Measurements (Above 18GHz)

§15.209; RSS-Gen [8.9]

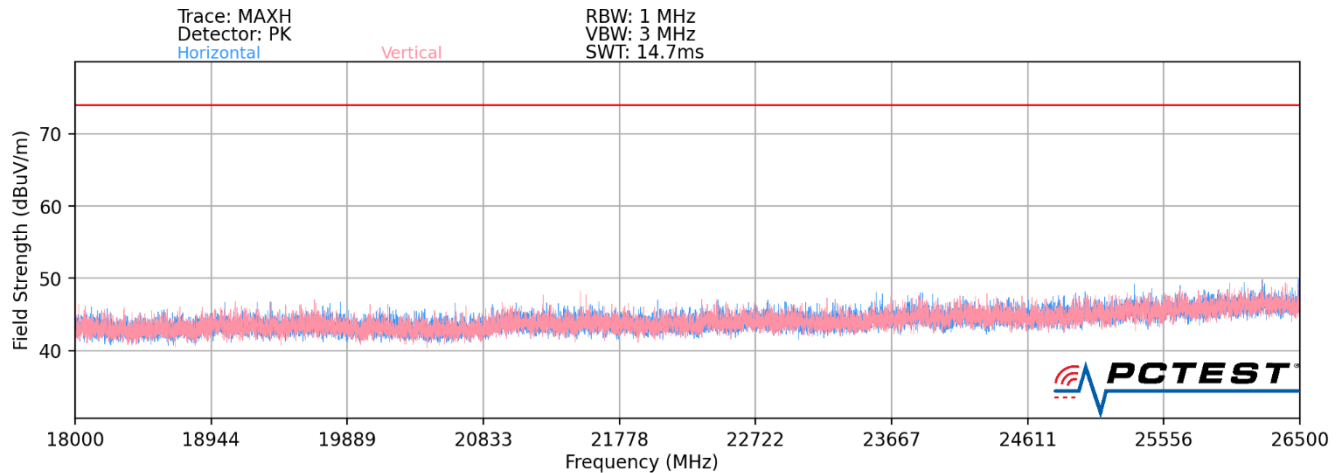


Plot 7-197. Radiated Spurious Plot above 18GHz SISO NORTH (802.11ax OFDMA – 26 Tones) 300°

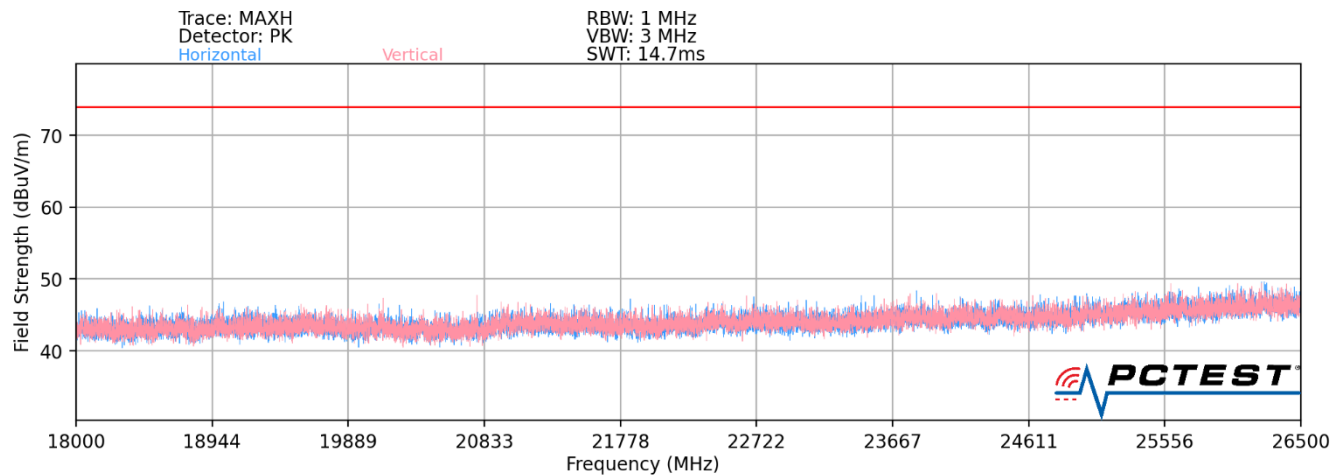


Plot 7-198. Radiated Spurious Plot above 18GHz SISO NORTH (802.11ax OFDMA – 242 Tones) 300°

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of element	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 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	PCTEST Proud to be part of element	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 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 [dBμV/m]	Limit [dBμV/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 [dBμV/m]	Limit [dBμV/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 [®] Proud to be part of element	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 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 [dBμV/m]	Limit [dBμV/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 [dBμV/m]	Limit [dBμV/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		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 [dBμV/m]	Limit [dBμV/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

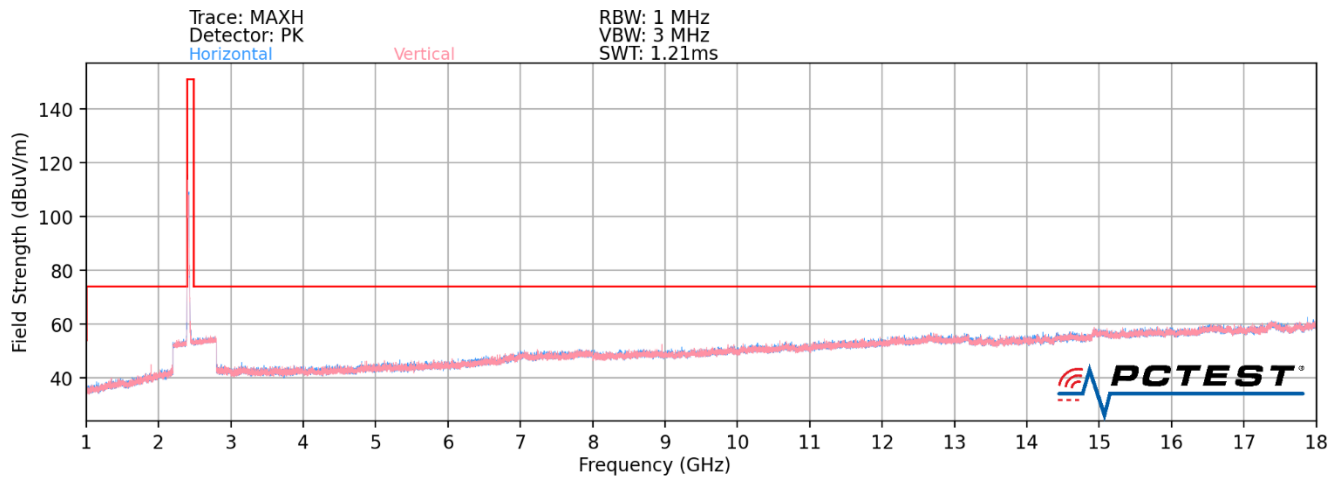
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
4924.00	Avg	V	-	-	-79.59	7.44	34.85	53.98	-19.13
4924.00	Peak	V	-	-	-68.06	7.44	46.38	73.98	-27.60
7386.00	Avg	V	-	-	-80.32	12.26	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)

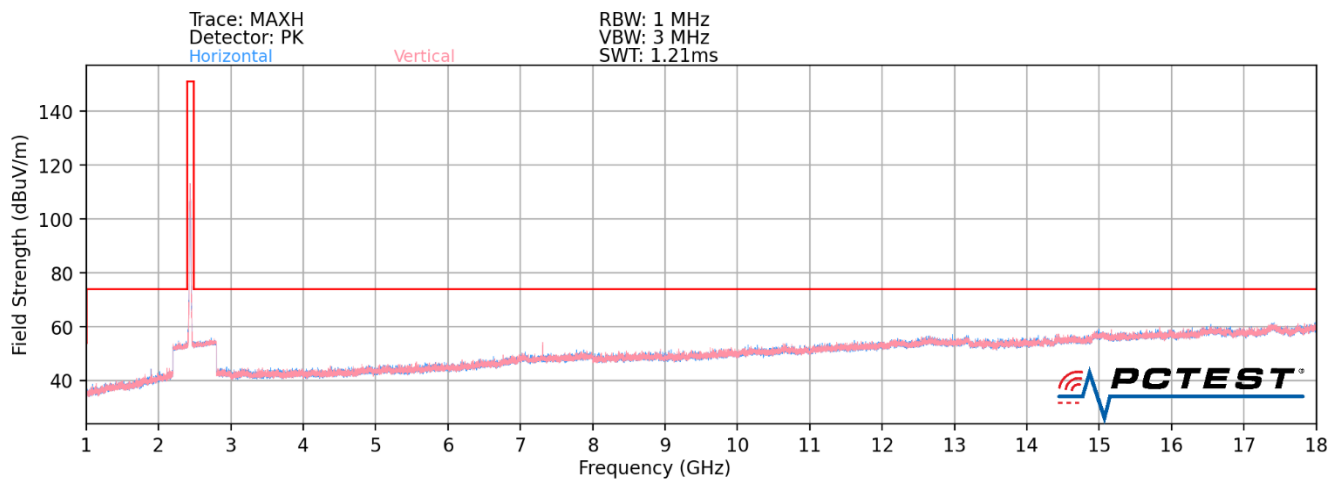
FCC ID: C3K1995 IC: 3048A-1995	 PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	 Microsoft	Approved by: Technical Manager
Test Report S/N: 1M2105060048-13.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 155 of 202

7.7.3 MIMO Radiated Spurious Emission Measurements

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

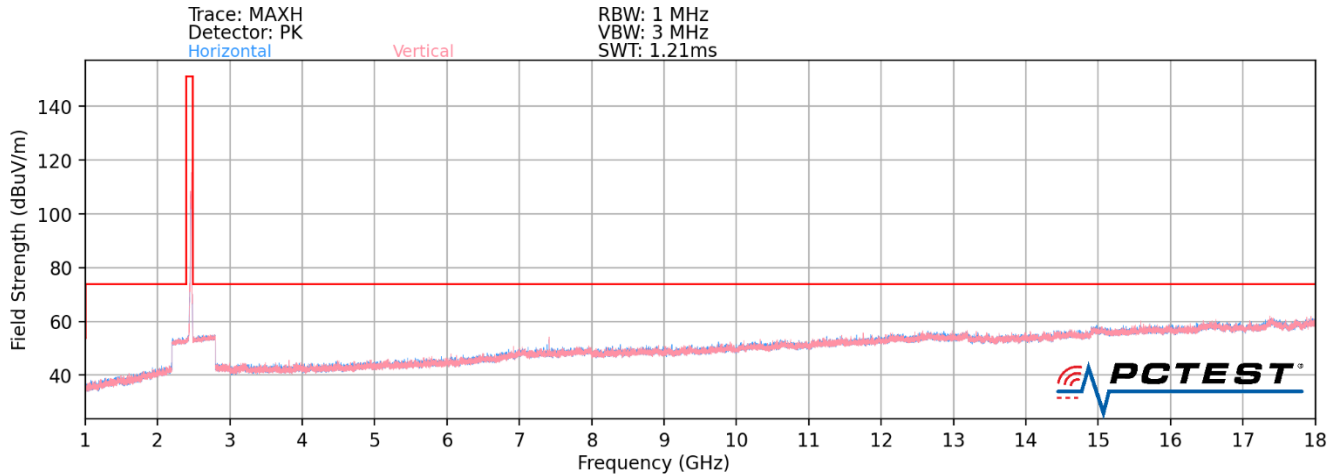


Plot 7-201. Radiated Spurious Plot above 1GHz MIMO (802.11ax OFDMA – 26 Tones – Ch. 1) 300°

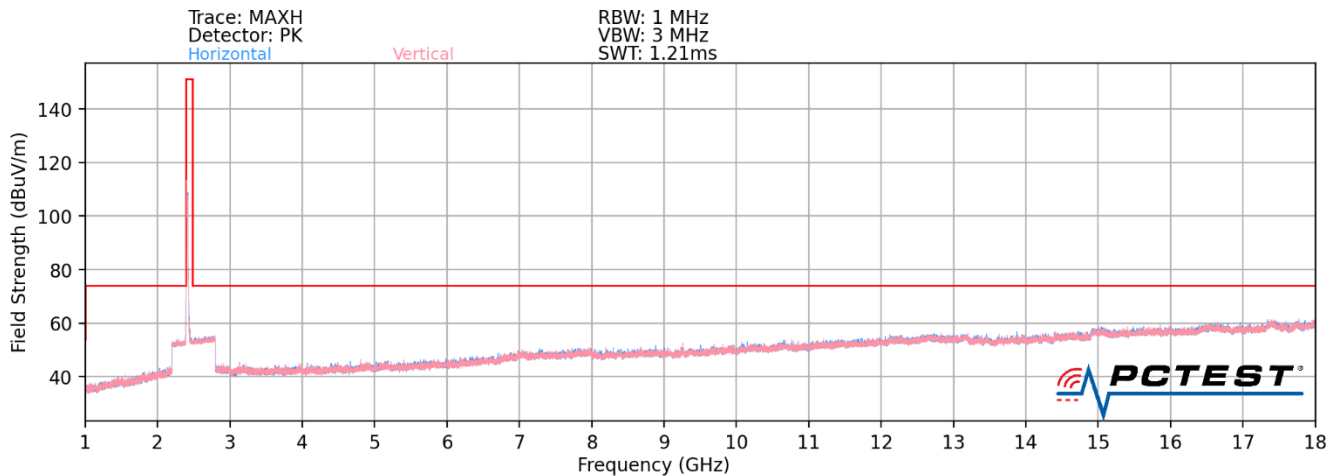


Plot 7-202. Radiated Spurious Plot above 1GHz MIMO (802.11ax OFDMA – 26 Tones – Ch. 6) 300°

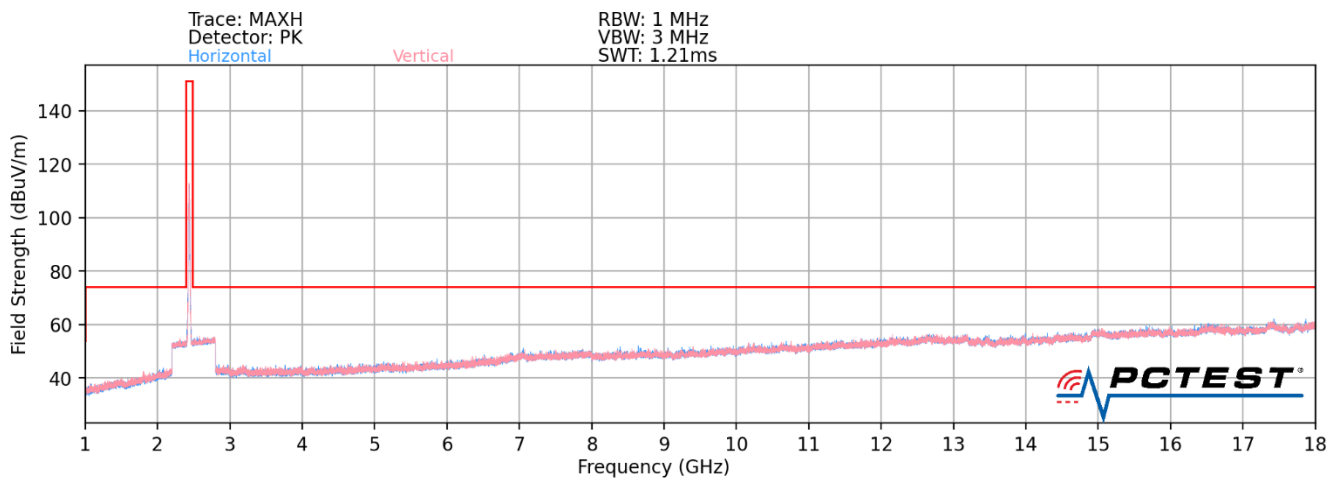
FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Microsoft	Approved by: Technical Manager
Test Report S/N: 1M2105060048-13.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 156 of 202



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

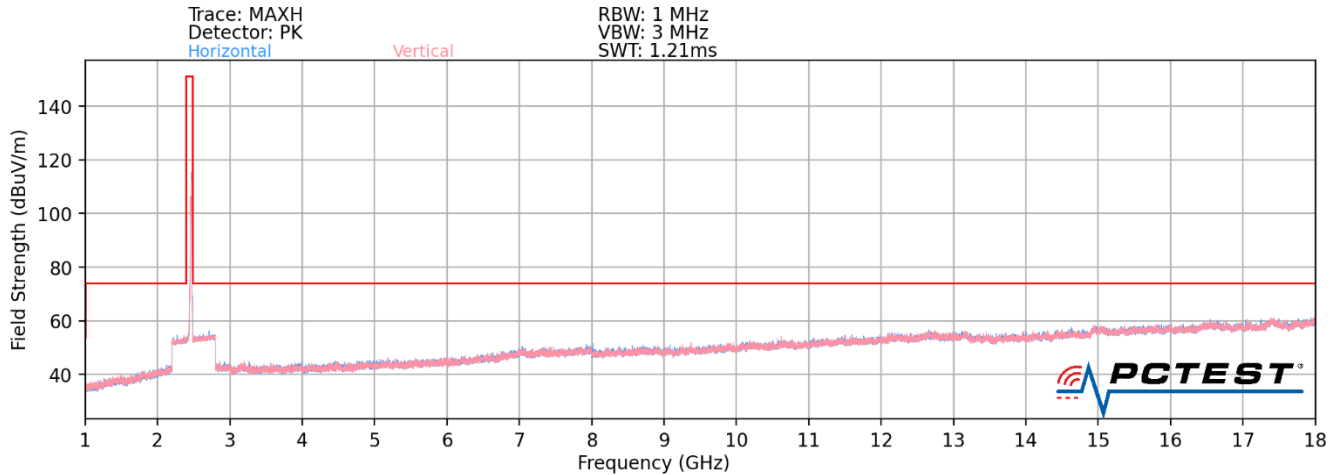


Plot 7-204. Radiated Spurious Plot above 1GHz MIMO (802.11ax OFDMA – 26 Tones – Ch. 1) Closed

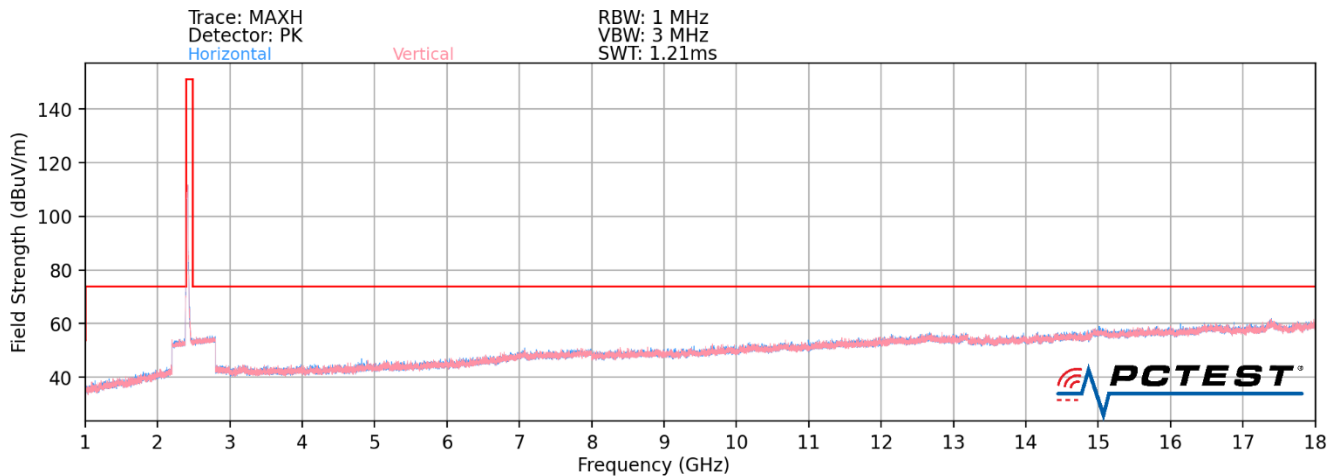


Plot 7-205. Radiated Spurious Plot above 1GHz MIMO (802.11ax OFDMA – 26 Tones – Ch. 6) Closed

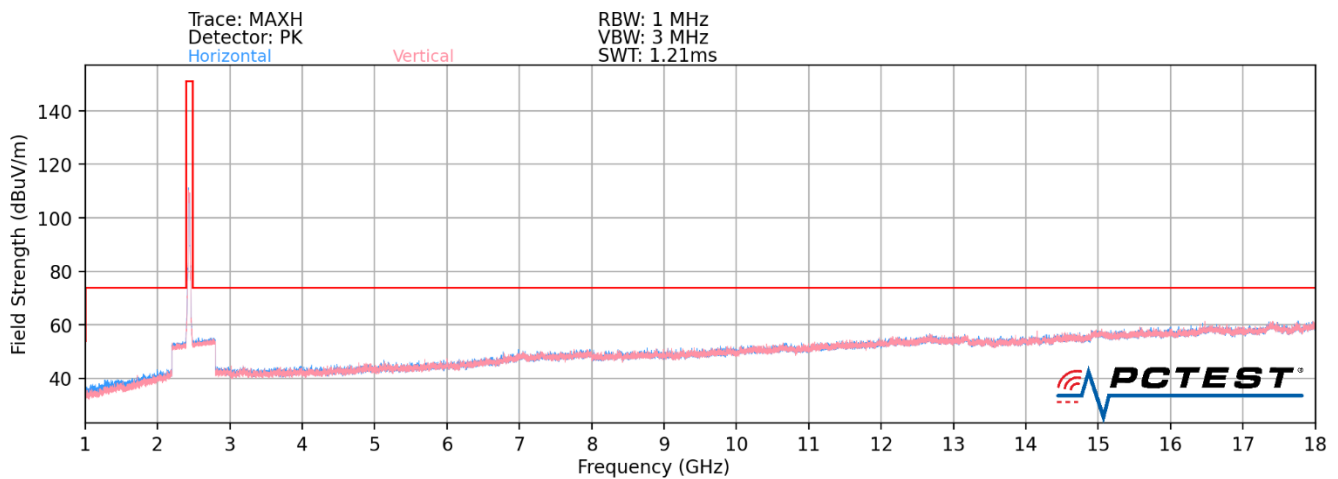
FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Microsoft	Approved by: Technical Manager
Test Report S/N: 1M2105060048-13.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 157 of 202



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

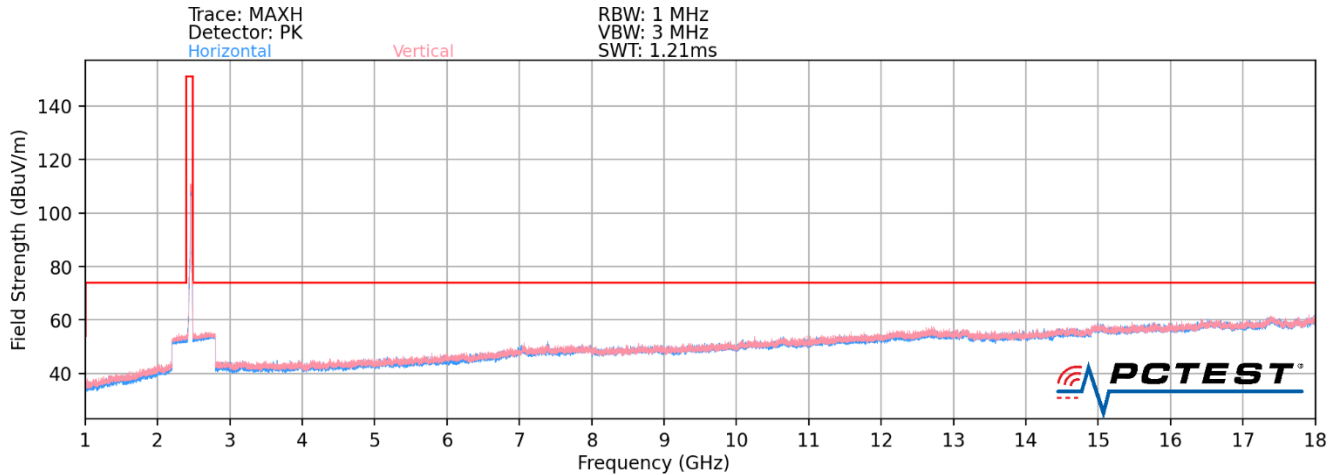


Plot 7-207. Radiated Spurious Plot above 1GHz MIMO (802.11ax OFDMA – 242 Tones – Ch. 1) 300°

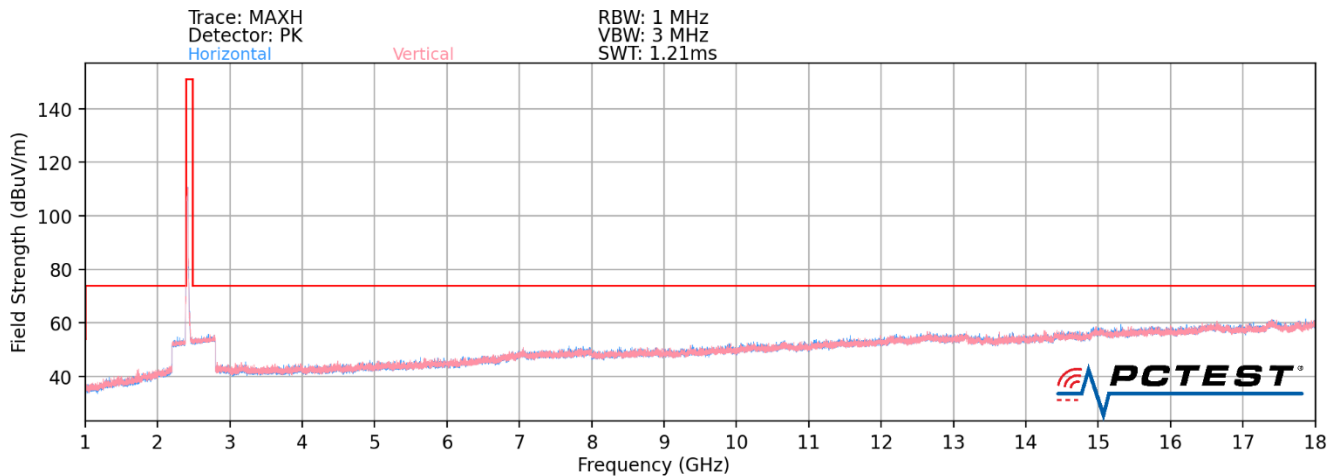


Plot 7-208. Radiated Spurious Plot above 1GHz MIMO (802.11ax OFDMA – 242 Tones – Ch. 6) 300°

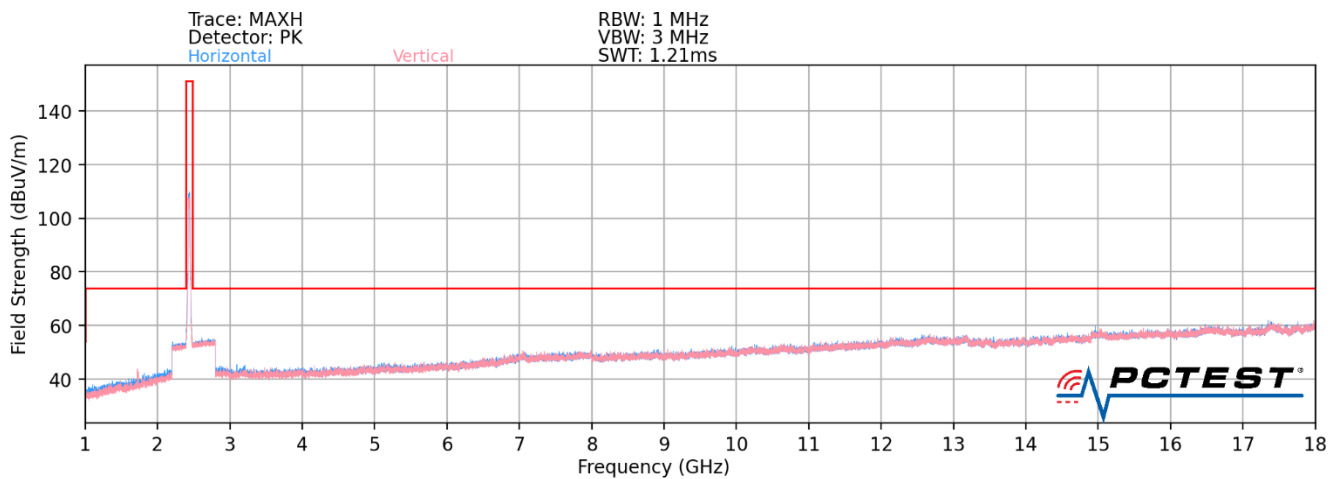
FCC ID: C3K1995 IC: 3048A-1995	 PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	 Microsoft	Approved by: Technical Manager
Test Report S/N: 1M2105060048-13.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 158 of 202



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

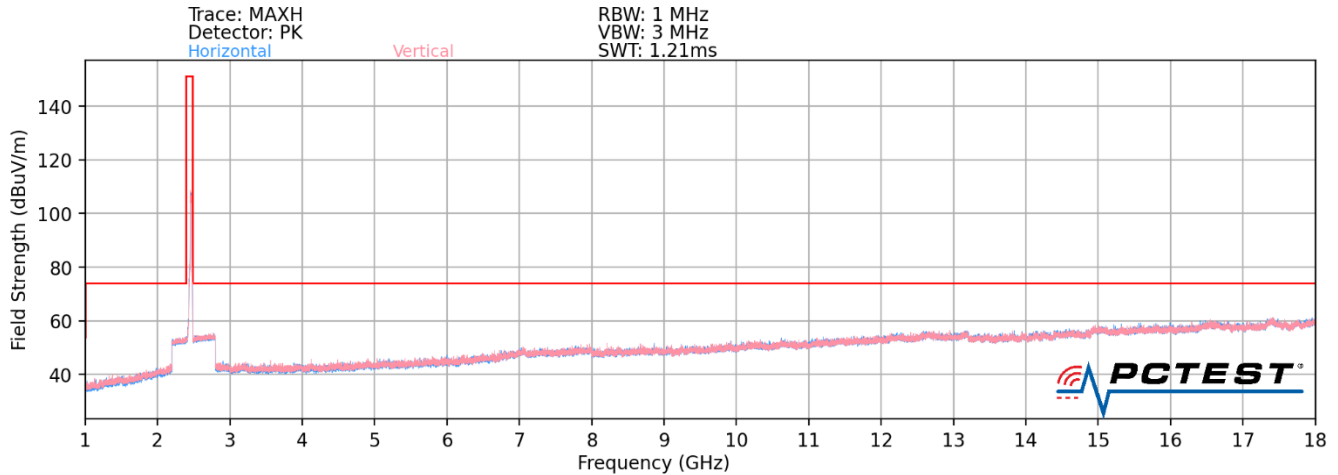


Plot 7-210. Radiated Spurious Plot above 1GHz MIMO (802.11ax OFDMA – 242 Tones – Ch. 1) Closed



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

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of element	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 159 of 202

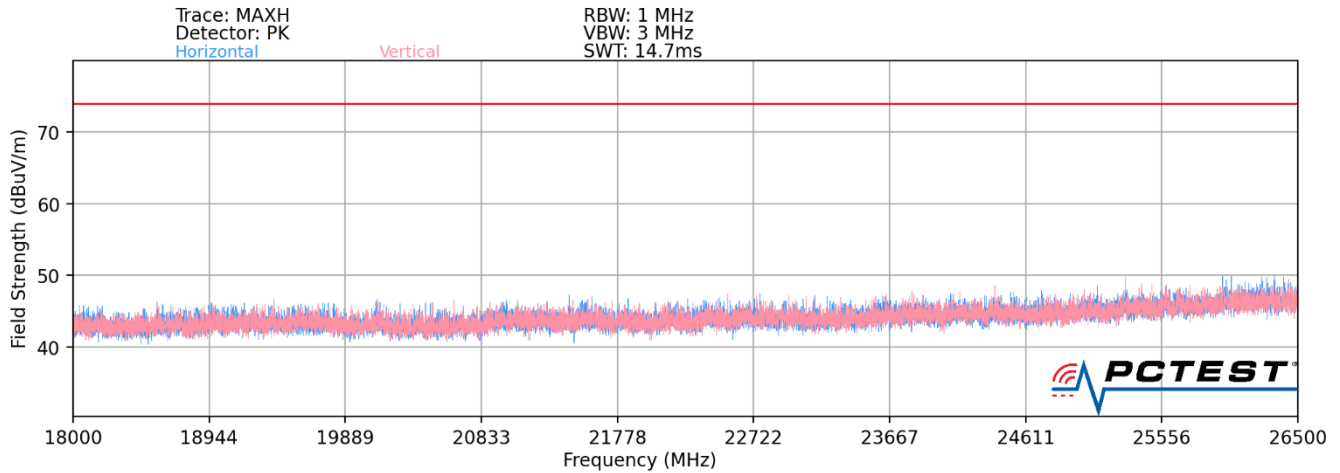


Plot 7-212. Radiated Spurious Plot above 1GHz MIMO (802.11ax OFDMA – 242 Tones – Ch. 11) Closed

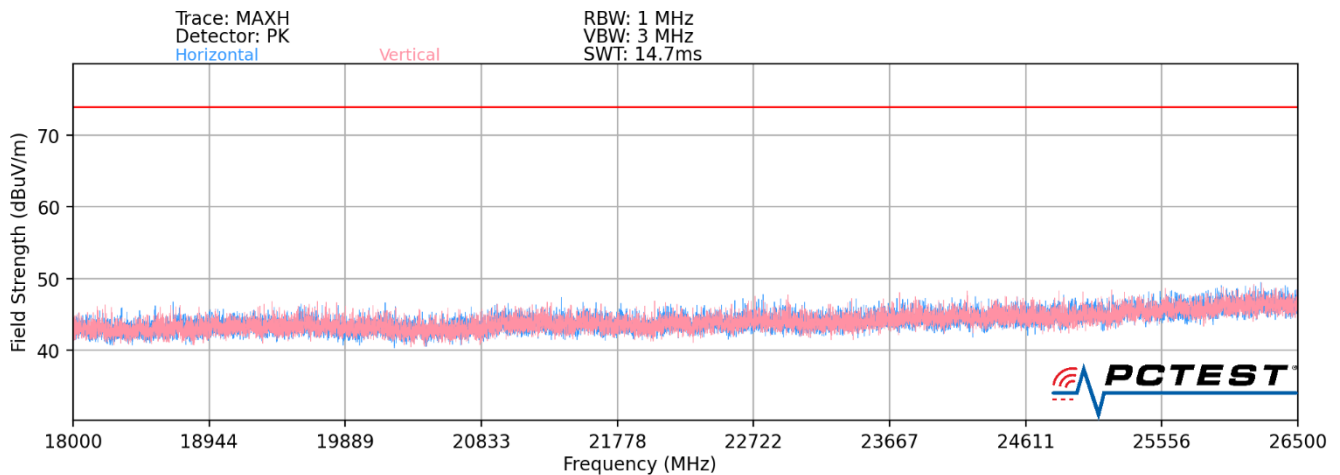
FCC ID: C3K1995 IC: 3048A-1995	 Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 1M2105060048-13.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset			Page 160 of 202

MIMO Radiated Spurious Emissions Measurements (Above 18GHz)

§15.209; RSS-Gen [8.9]

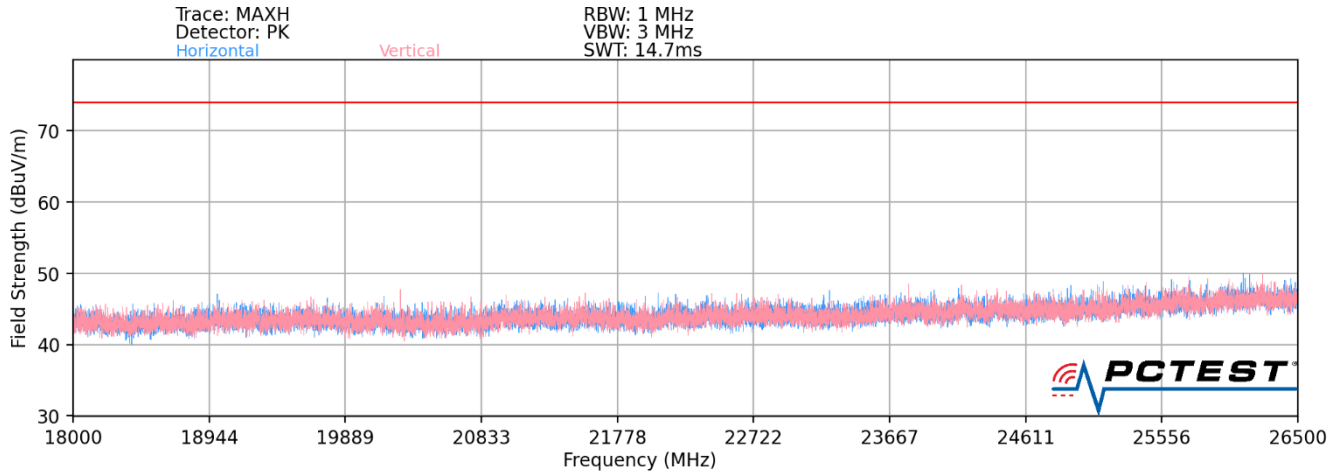


Plot 7-213. Radiated Spurious Plot above 18GHz MIMO (802.11ax OFDMA – 26 Tones) 300°

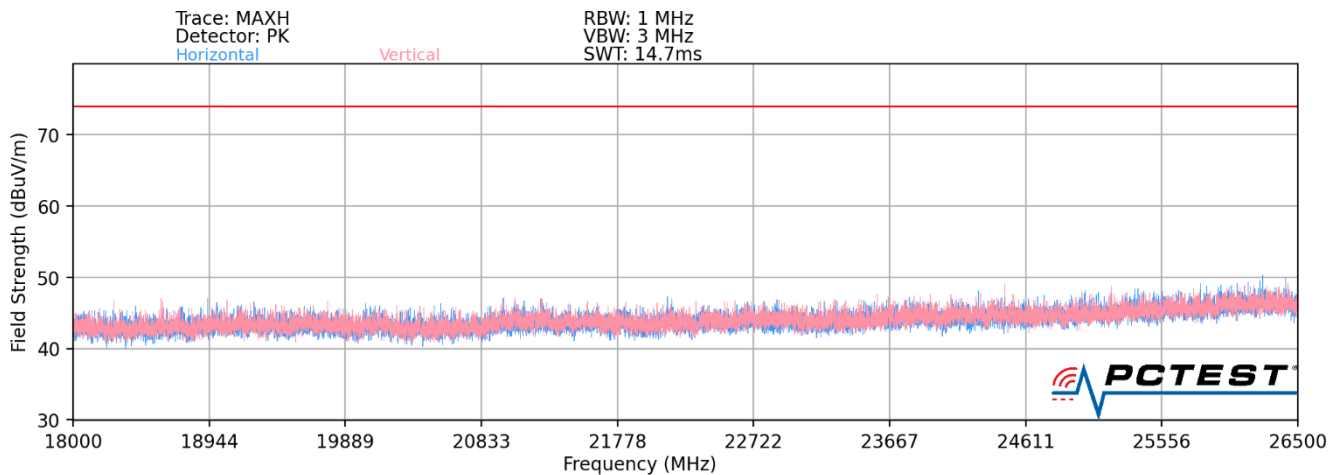


Plot 7-214. Radiated Spurious Plot above 18GHz MIMO (802.11ax OFDMA – 242 Tones) 300°

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of element	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 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		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 [dBμV/m]	Limit [dBμV/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 [dBμV/m]	Limit [dBμV/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		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 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 [dBμV/m]	Limit [dBμV/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 [dBμV/m]	Limit [dBμV/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)	 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 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 [dBμV/m]	Limit [dBμV/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 [dBμV/m]	Limit [dBμV/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)

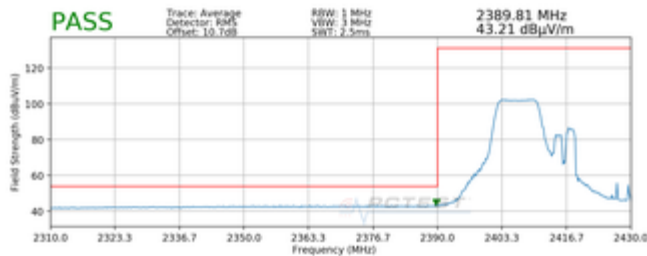
FCC ID: C3K1995 IC: 3048A-1995	 PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2105060048-13.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 165 of 202

7.7.4 SISO SOUTH Radiated Restricted Band Edge Measurements 20MHz

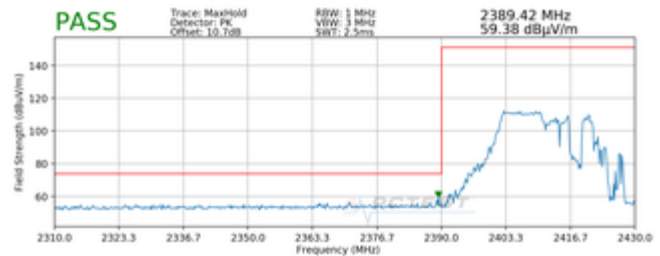
§15.205 §15.209; RSS-Gen [8.9]

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

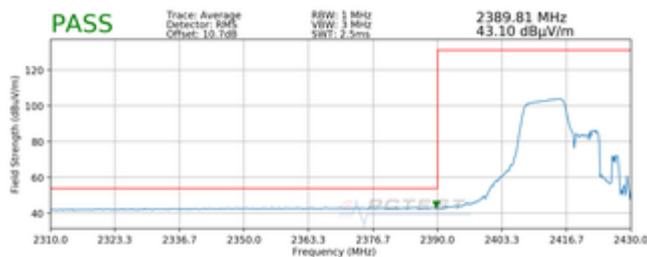


Plot 7-217. Radiated Restricted Lower Band Edge Measurement SISO SOUTH (Average – 106 Tones)

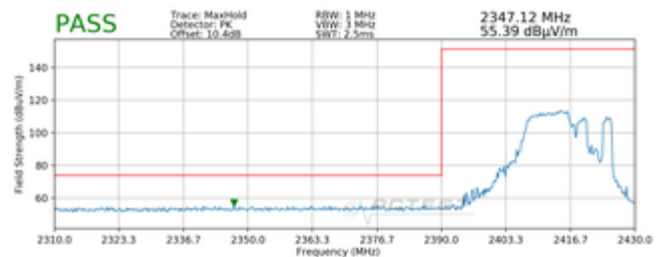


Plot 7-218. Radiated Restricted Lower Band Edge Measurement SISO SOUTH (Peak – 106 Tones)

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



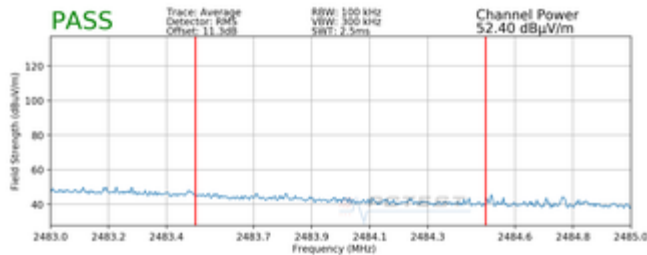
Plot 7-219. Radiated Restricted Lower Band Edge Measurement SISO SOUTH (Average – 106 Tones)



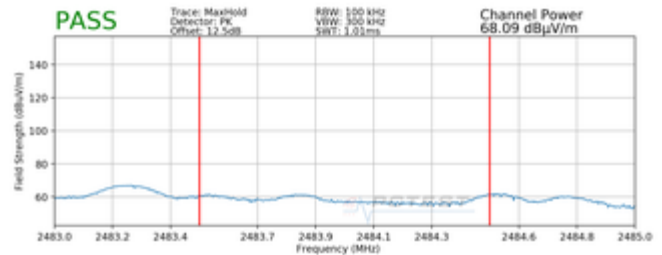
Plot 7-220. Radiated Restricted Lower Band Edge Measurement SISO SOUTH (Peak – 106 Tones)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of element	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 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

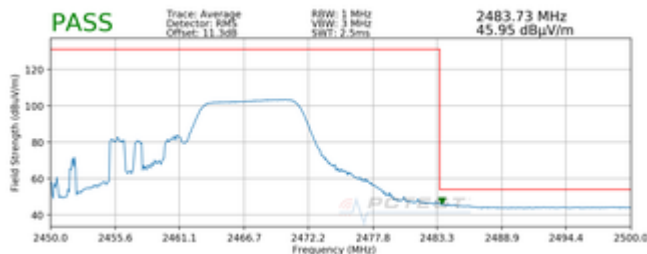


Plot 7-221. Radiated Restricted Upper Band Edge Measurement SISO SOUTH (Average – 106 Tones)

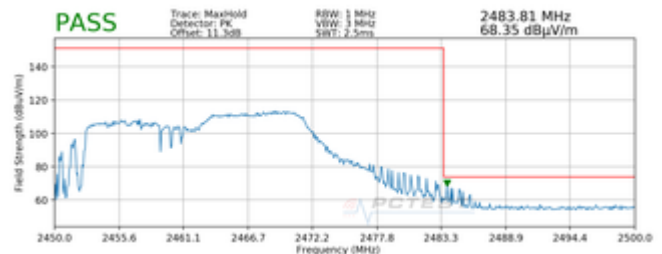


Plot 7-222. Radiated Restricted Upper Band Edge Measurement SISO SOUTH (Peak – 106 Tones)

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 7-223. Radiated Restricted Upper Band Edge Measurement SISO SOUTH (Average – 106 Tones)



Plot 7-224. Radiated Restricted Upper Band Edge Measurement SISO SOUTH (Peak – 106 Tones)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of element	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 167 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

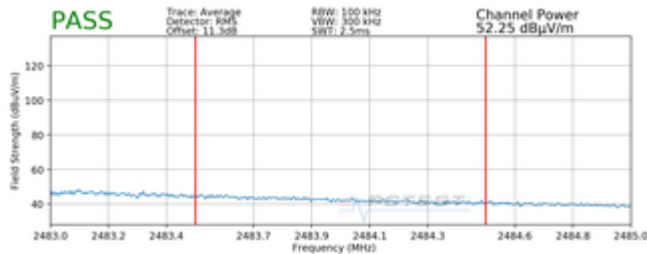


Plot 7-225. Radiated Restricted Upper Band Edge Measurement SISO SOUTH (Average – 106 Tones)

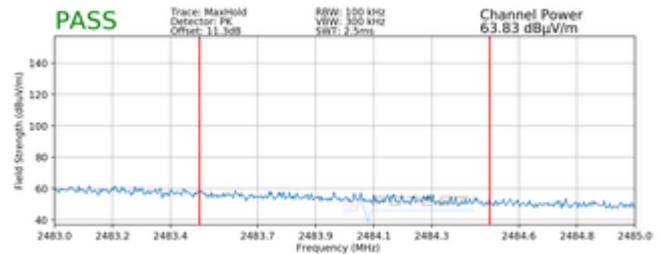


Plot 7-226. Radiated Restricted Upper Band Edge Measurement SISO SOUTH (Peak – 106 Tones)

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



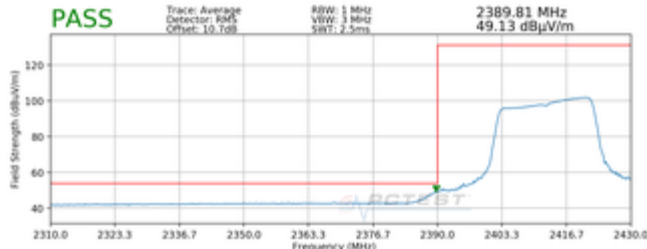
Plot 7-227. Radiated Restricted Upper Band Edge Measurement SISO SOUTH (Average – 106 Tones)



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

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of element	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 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

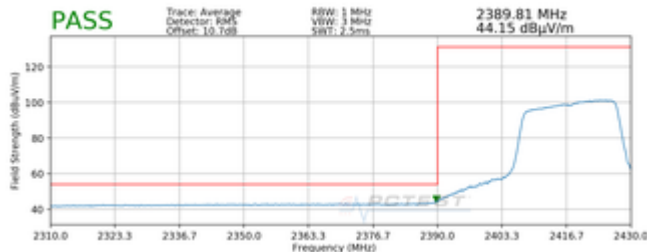


Plot 7-229. Radiated Restricted Lower Band Edge Measurement SISO SOUTH (Average – 242 Tones)

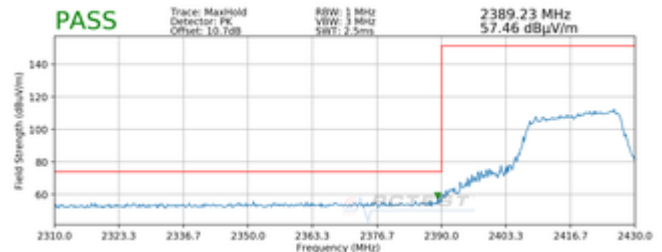


Plot 7-230. Radiated Restricted Lower Band Edge Measurement SISO SOUTH (Peak – 242 Tones)

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



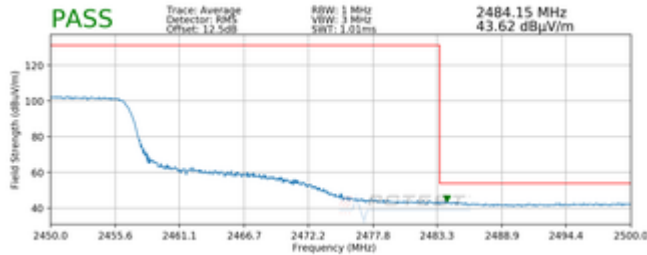
Plot 7-231. Radiated Restricted Lower Band Edge Measurement SISO SOUTH (Average – 242 Tones)



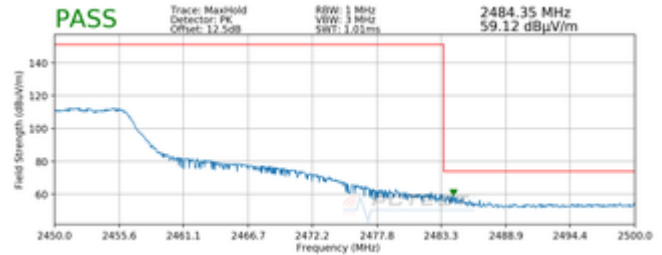
Plot 7-232. Radiated Restricted Lower Band Edge Measurement SISO SOUTH (Peak – 242 Tones)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of element	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

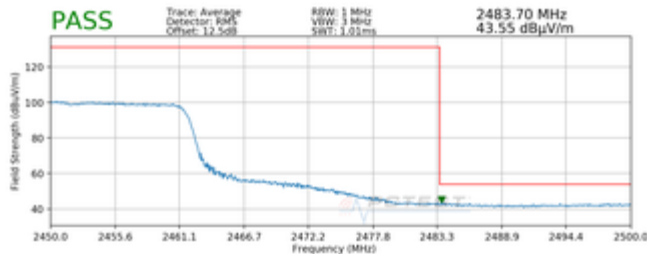


Plot 7-233. Radiated Restricted Upper Band Edge Measurement SISO SOUTH (Average - 242 Tones)

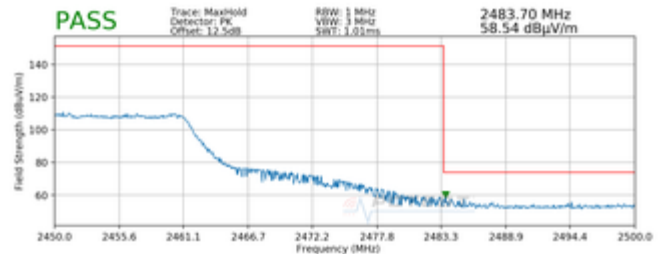


Plot 7-234. Radiated Restricted Upper Band Edge Measurement SISO SOUTH (Peak - 242 Tones)

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



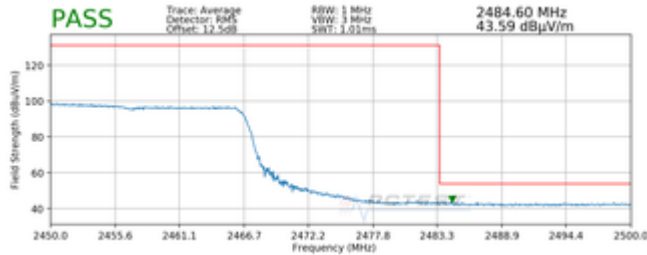
Plot 7-235. Radiated Restricted Upper Band Edge Measurement SISO SOUTH (Average - 242 Tones)



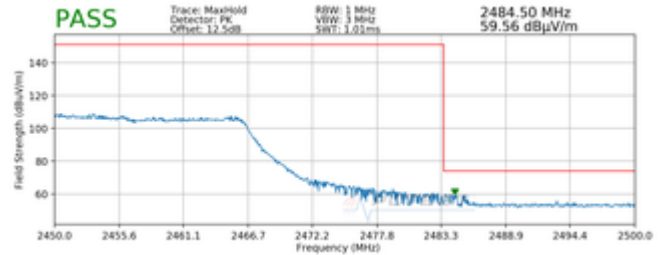
Plot 7-236. Radiated Restricted Upper Band Edge Measurement SISO SOUTH (Peak - 242 Tones)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of element	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 170 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

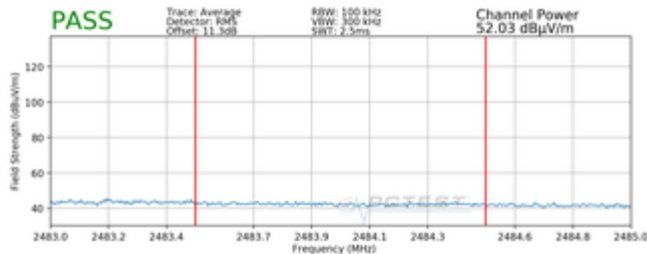


Plot 7-237. Radiated Restricted Upper Band Edge Measurement SISO SOUTH (Average - 242 Tones)

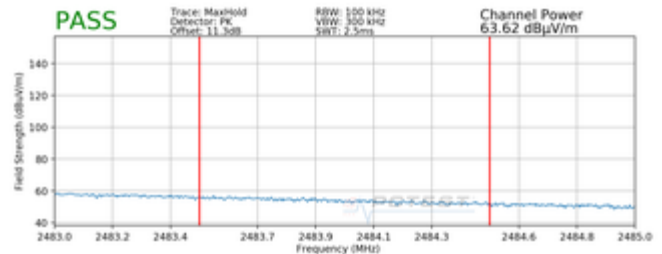


Plot 7-238. Radiated Restricted Upper Band Edge Measurement SISO SOUTH (Peak - 242 Tones)

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



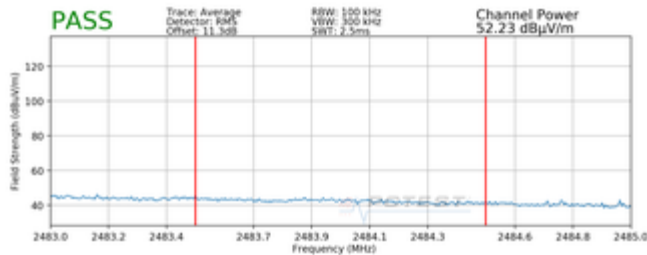
Plot 7-239. Radiated Restricted Upper Band Edge Measurement SISO SOUTH (Average - 242 Tones)



Plot 7-240. Radiated Restricted Upper Band Edge Measurement SISO SOUTH (Peak - 242 Tones)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of element	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 171 of 202

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

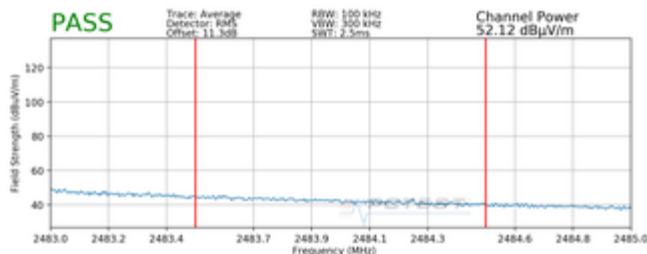


Plot 7-241. Radiated Restricted Upper Band Edge Measurement SISO SOUTH (Average - 242 Tones)

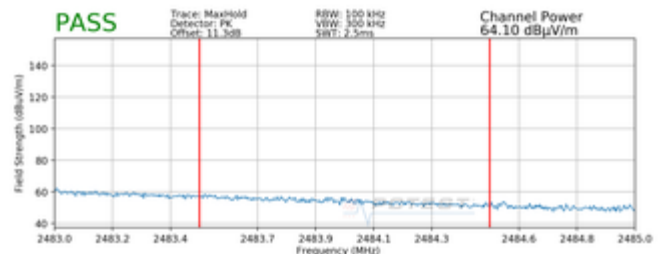


Plot 7-242. Radiated Restricted Upper Band Edge Measurement SISO SOUTH (Peak - 242 Tones)

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	PCTEST Proud to be part of element	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

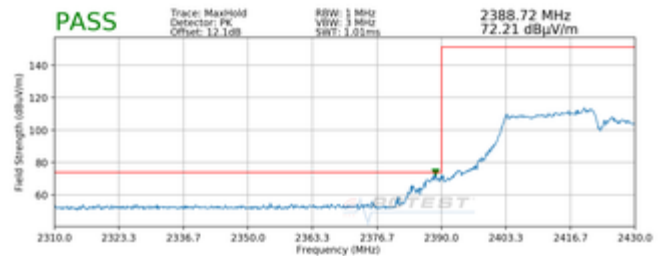
§15.205 §15.209; RSS-Gen [8.9]

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

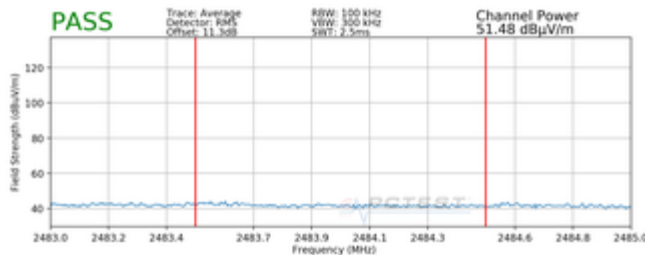


Plot 7-245. Radiated Restricted Lower Band Edge Measurement SISO SOUTH (Average – 242 Tones)

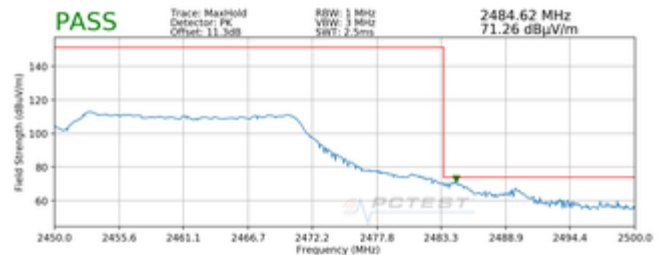


Plot 7-246. Radiated Restricted Lower Band Edge Measurement SISO SOUTH (Peak – 242 Tones)

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



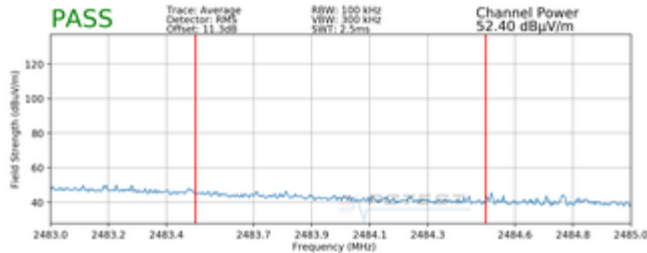
Plot 7-247. Radiated Restricted Upper Band Edge Measurement SISO SOUTH (Average – 242 Tones)



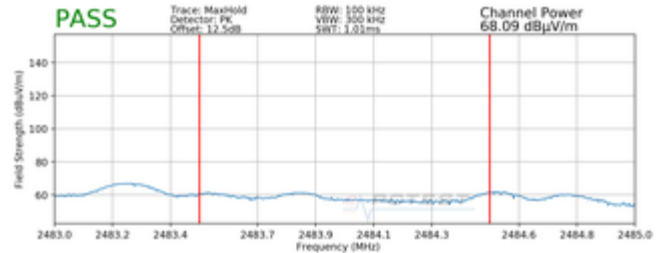
Plot 7-248. Radiated Restricted Upper Band Edge Measurement SISO SOUTH (Peak – 242 Tones)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of element	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 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

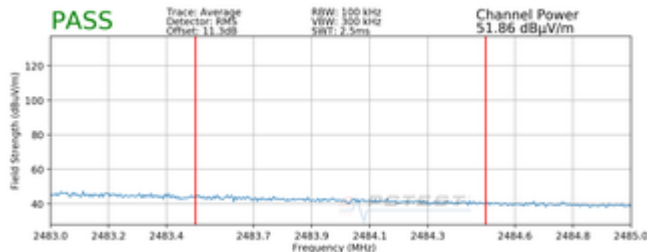


Plot 7-249. Radiated Restricted Upper Band Edge Measurement SISO SOUTH (Average – 242 Tones)

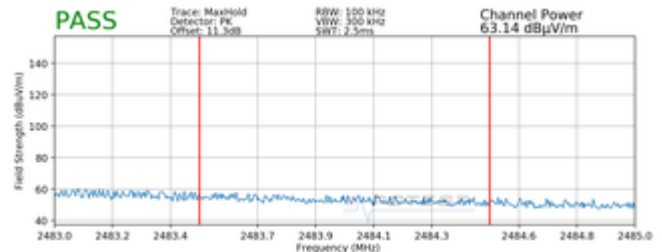


Plot 7-250. Radiated Restricted Upper Band Edge Measurement SISO SOUTH (Peak – 242 Tones)

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



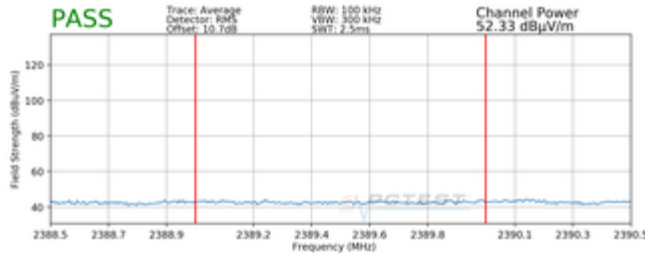
Plot 7-251. Radiated Restricted Upper Band Edge Measurement SISO SOUTH (Average – 242 Tones)



Plot 7-252. Radiated Restricted Upper Band Edge Measurement SISO SOUTH (Peak – 242 Tones)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of element	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 174 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

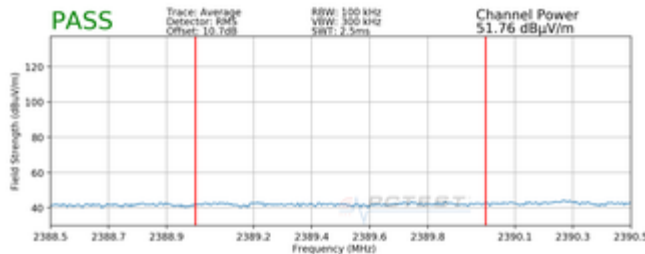


Plot 7-253. Radiated Restricted Lower Band Edge Measurement SISO SOUTH (Average – 484 Tones)

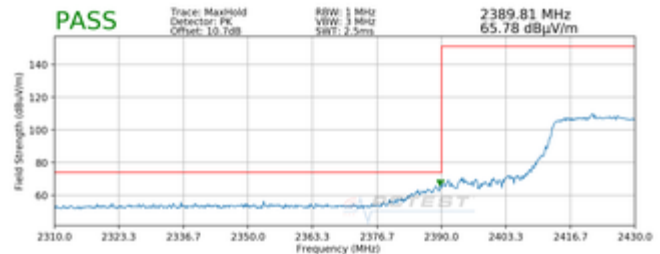


Plot 7-254. Radiated Restricted Lower Band Edge Measurement SISO SOUTH (Peak – 484 Tones)

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



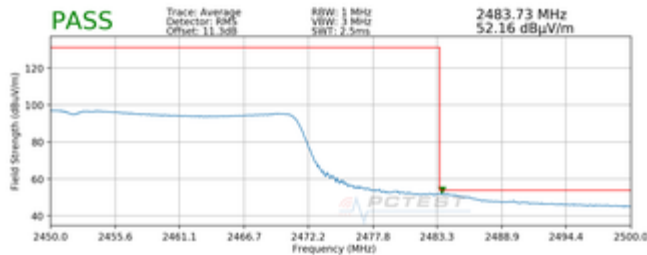
Plot 7-255. Radiated Restricted Upper Band Edge Measurement SISO SOUTH (Average – 484 Tones)



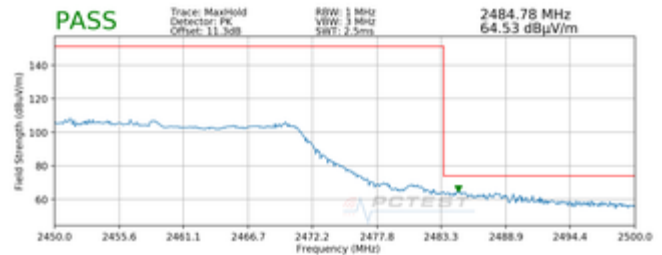
Plot 7-256. Radiated Restricted Upper Band Edge Measurement SISO SOUTH (Peak – 484 Tones)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of element	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 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

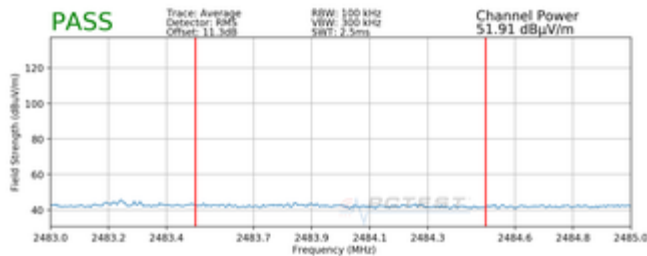


Plot 7-257. Radiated Restricted Upper Band Edge Measurement SISO SOUTH (Average – 484 Tones)

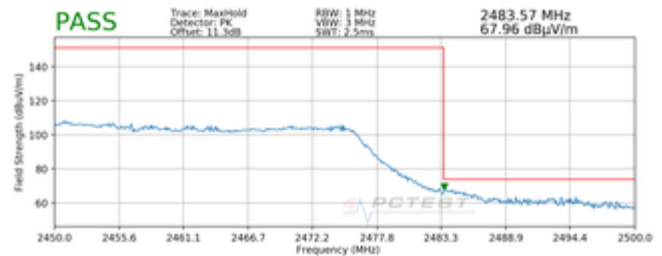


Plot 7-258. Radiated Restricted Upper Band Edge Measurement SISO SOUTH (Peak – 484 Tones)

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



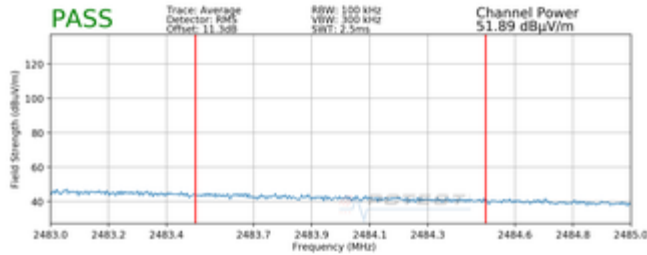
Plot 7-259. Radiated Restricted Upper Band Edge Measurement SISO SOUTH (Average – 484 Tones)



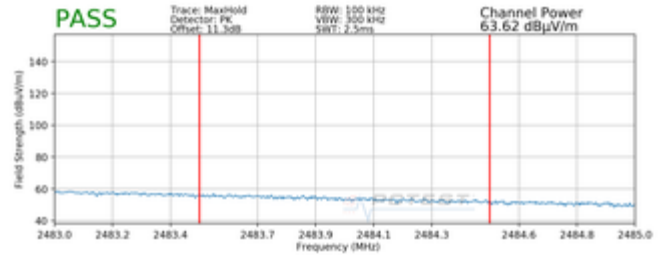
Plot 7-260. Radiated Restricted Upper Band Edge Measurement SISO SOUTH (Peak – 484 Tones)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of element	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)

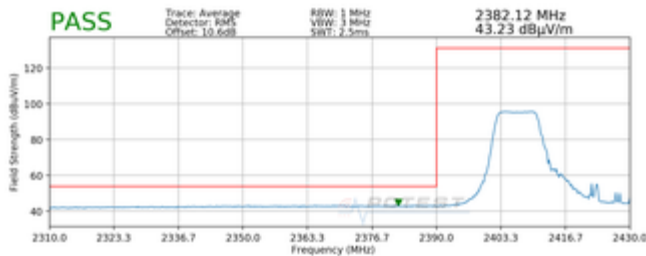
FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	 Microsoft	Approved by: Technical Manager
Test Report S/N: 1M2105060048-13.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 177 of 202

7.7.6 SISO NORTH Radiated Restricted Band Edge Measurements 20MHz

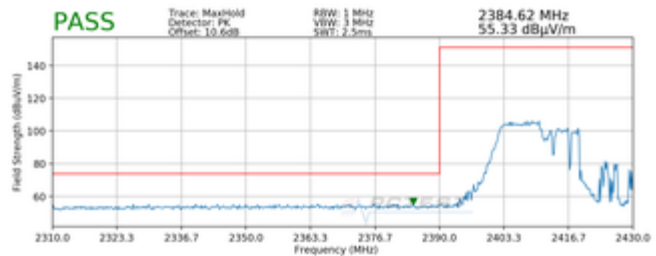
§15.205 §15.209; RSS-Gen [8.9]

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)

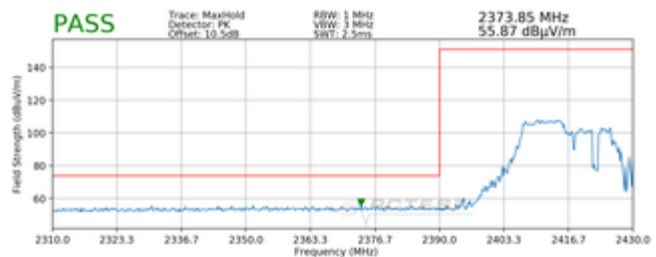


Plot 7-264. Radiated Restricted Lower Band Edge Measurement SISO NORTH (Peak – 106 Tones)

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



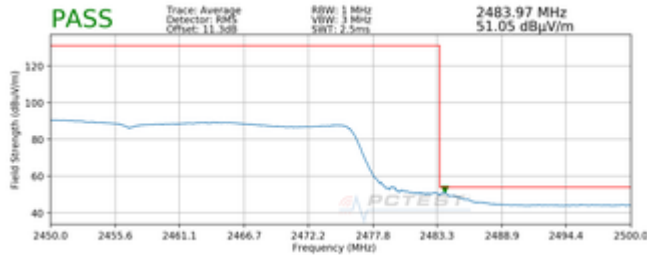
Plot 7-265. Radiated Restricted Lower Band Edge Measurement SISO NORTH (Average – 106 Tones)



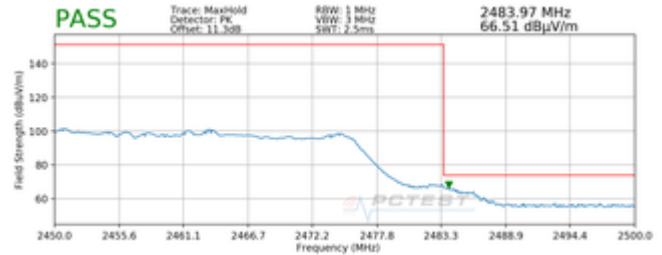
Plot 7-266. Radiated Restricted Lower Band Edge Measurement SISO NORTH (Peak – 106 Tones)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of element	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 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

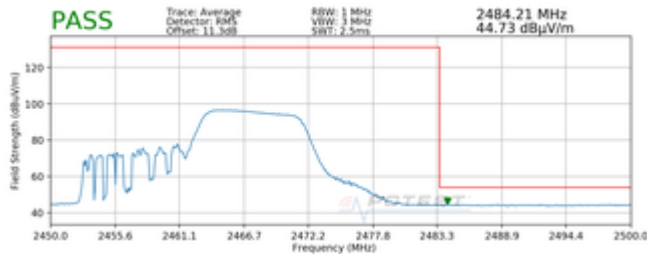


Plot 7-267. Radiated Restricted Upper Band Edge Measurement SISO NORTH (Average – 106 Tones)

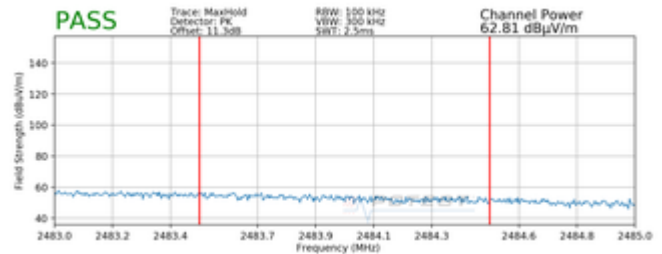


Plot 7-268. Radiated Restricted Upper Band Edge Measurement SISO NORTH (Peak – 106 Tones)

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



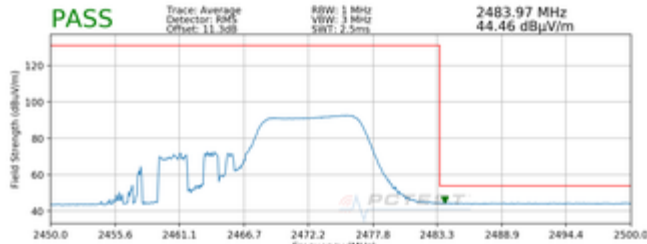
Plot 7-269. Radiated Restricted Upper Band Edge Measurement SISO NORTH (Average – 106 Tones)



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

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of element	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 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

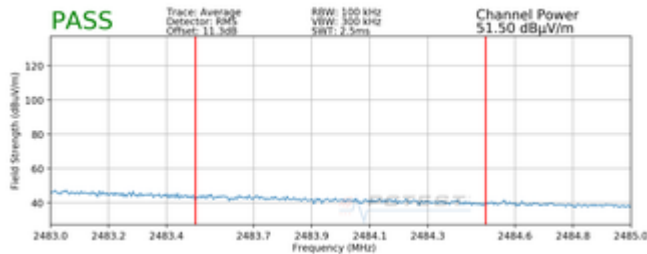


Plot 7-271. Radiated Restricted Upper Band Edge Measurement SISO NORTH (Average – 106 Tones)

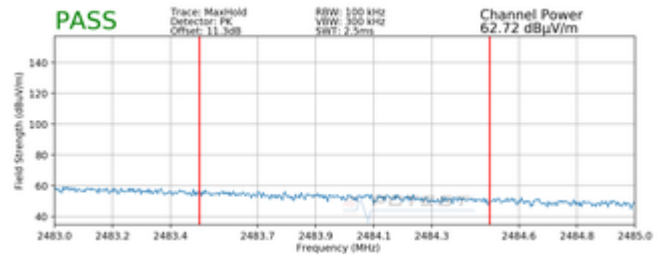


Plot 7-272. Radiated Restricted Upper Band Edge Measurement SISO NORTH (Peak – 106 Tones)

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



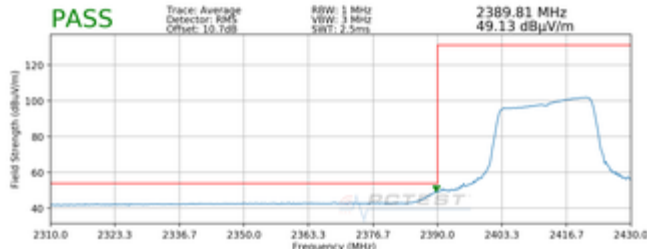
Plot 7-273. Radiated Restricted Upper Band Edge Measurement SISO NORTH (Average – 106 Tones)



Plot 7-274. Radiated Restricted Upper Band Edge Measurement SISO NORTH (Peak – 106 Tones)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of element	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 180 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

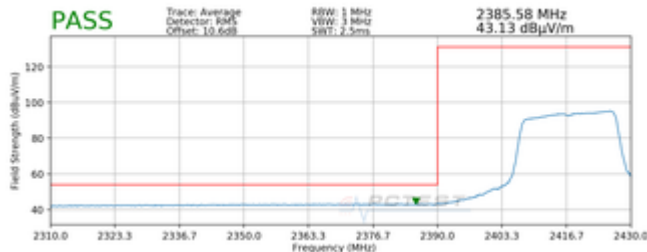


Plot 7-275. Radiated Restricted Lower Band Edge Measurement SISO NORTH (Average – 242 Tones)



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



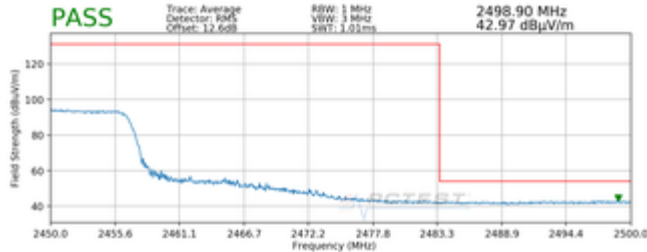
Plot 7-277. Radiated Restricted Lower Band Edge Measurement SISO NORTH (Average – 242 Tones)



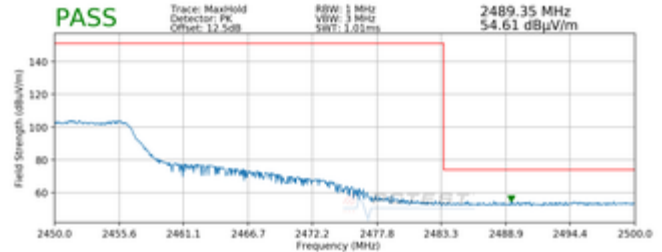
Plot 7-278. Radiated Restricted Lower Band Edge Measurement SISO NORTH (Peak – 242 Tones)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of element	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 181 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

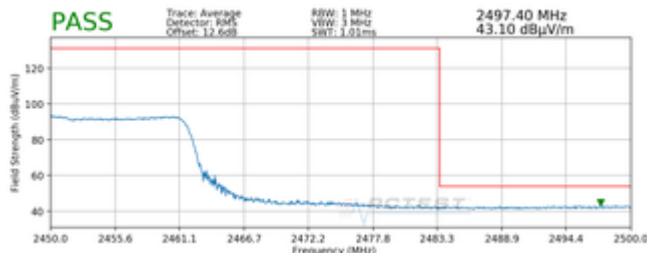


Plot 7-279. Radiated Restricted Upper Band Edge Measurement SISO NORTH (Average – 242 Tones)

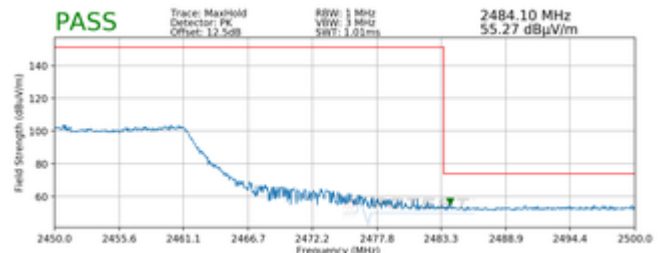


Plot 7-280. Radiated Restricted Upper Band Edge Measurement SISO NORTH (Peak – 242 Tones)

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



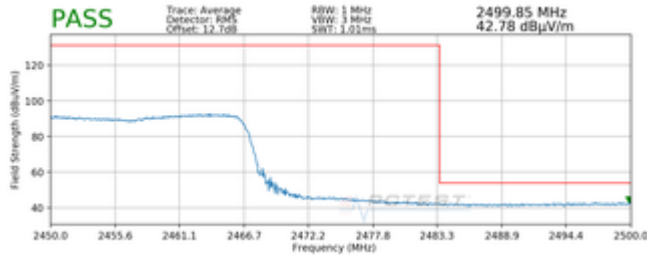
Plot 7-281. Radiated Restricted Upper Band Edge Measurement SISO NORTH (Average – 242 Tones)



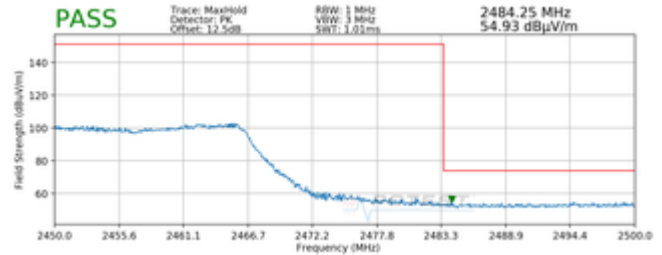
Plot 7-282. Radiated Restricted Upper Band Edge Measurement SISO NORTH (Peak – 242 Tones)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of element	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 182 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

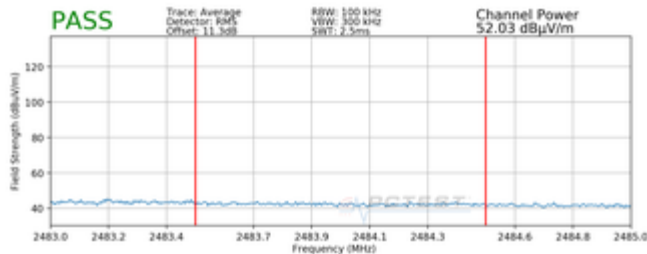


Plot 7-283. Radiated Restricted Upper Band Edge Measurement SISO NORTH (Average - 242 Tones)

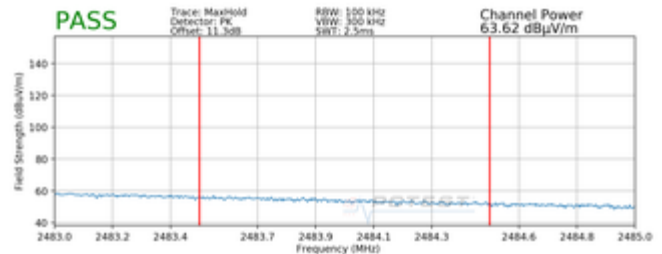


Plot 7-284. Radiated Restricted Upper Band Edge Measurement SISO NORTH (Peak - 242 Tones)

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



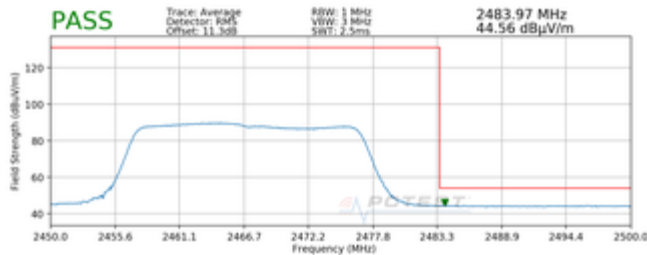
Plot 7-285. Radiated Restricted Upper Band Edge Measurement SISO NORTH (Average - 242 Tones)



Plot 7-286. Radiated Restricted Upper Band Edge Measurement SISO NORTH (Peak - 242 Tones)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of element	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 183 of 202

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

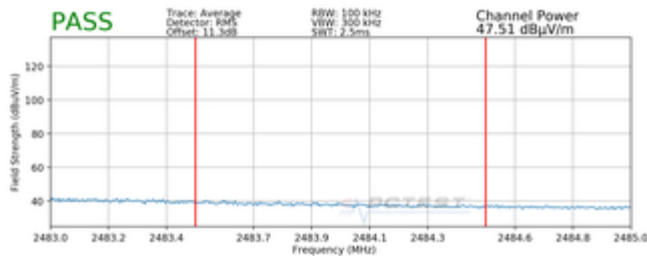


Plot 7-287. Radiated Restricted Upper Band Edge Measurement SISO NORTH (Average – 242 Tones)

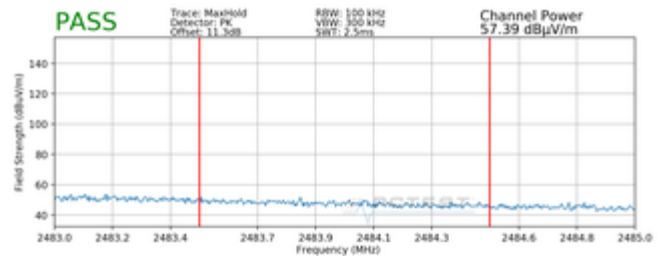


Plot 7-288. Radiated Restricted Upper Band Edge Measurement SISO NORTH (Peak – 242 Tones)

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



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



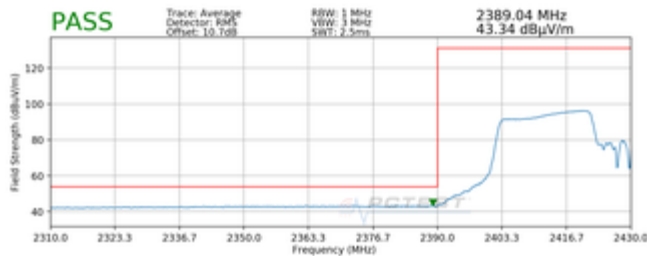
Plot 7-290. Radiated Restricted Upper Band Edge Measurement SISO NORTH (Peak – 242 Tones)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of element	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 184 of 202

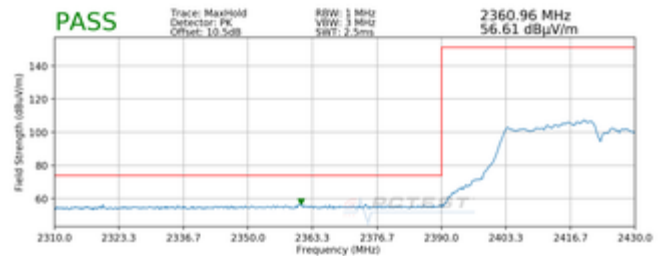
7.7.7 SISO NORTH Radiated Restricted Band Edge Measurements 40MHz §15.205 §15.209; RSS-Gen [8.9]

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

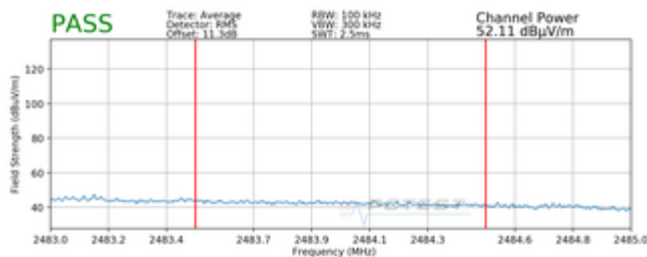


Plot 7-291. Radiated Restricted Lower Band Edge Measurement SISO NORTH (Average – 242 Tones)



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



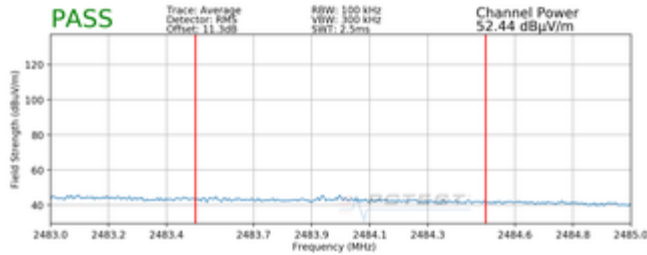
Plot 7-293. Radiated Restricted Upper Band Edge Measurement SISO NORTH (Average – 242 Tones)



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

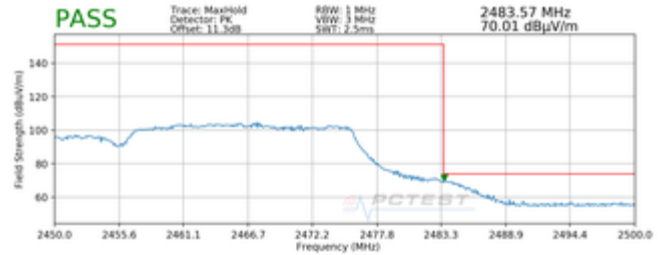
FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Microsoft	Approved by: Technical Manager
Test Report S/N: 1M2105060048-13.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 185 of 202

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

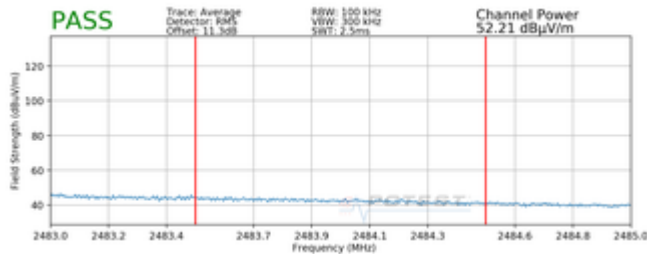


Plot 7-295. Radiated Restricted Upper Band Edge Measurement SISO NORTH (Average - 242 Tones)

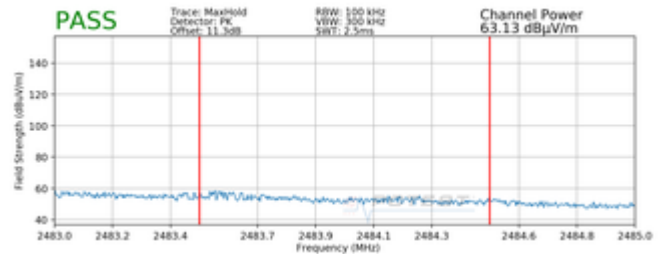
Worst Case Mode: 802.11ax OFDMA
Worst Case Transfer Rate: MCS0
RU Index: 61
Distance of Measurements: 3 Meters
Operating Frequency: 2462MHz
Channel: 11



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



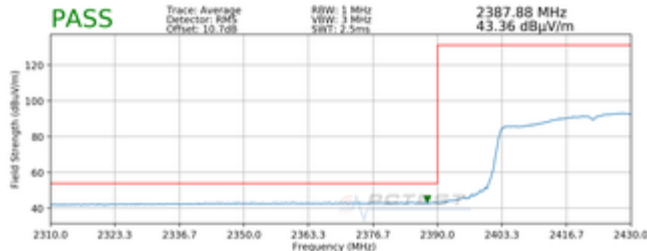
Plot 7-297. Radiated Restricted Upper Band Edge Measurement SISO NORTH (Average - 242 Tones)



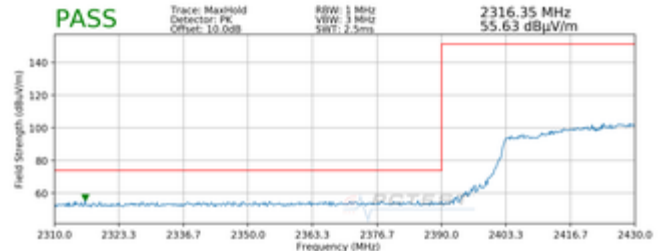
Plot 7-298. Radiated Restricted Upper Band Edge Measurement SISO NORTH (Peak - 242 Tones)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of element	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 186 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

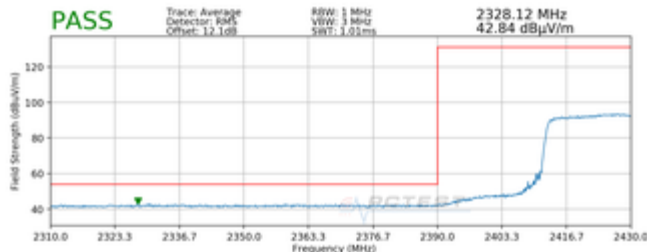


Plot 7-299. Radiated Restricted Lower Band Edge Measurement SISO NORTH (Average – 484 Tones)

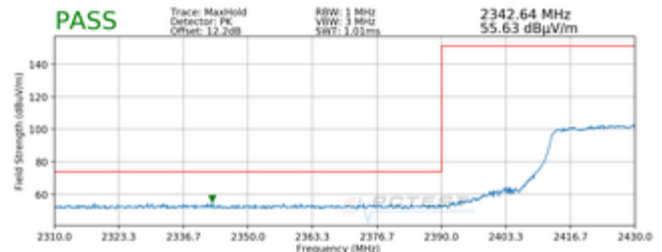


Plot 7-300. Radiated Restricted Lower Band Edge Measurement SISO NORTH (Peak – 484 Tones)

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



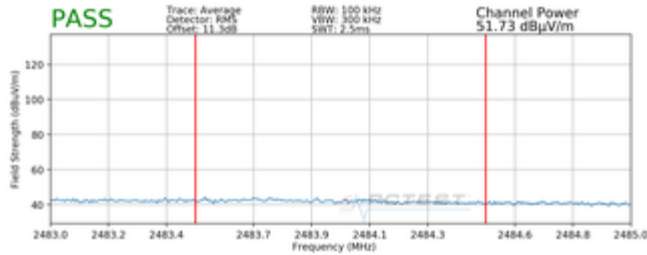
Plot 7-301. Radiated Restricted Upper Band Edge Measurement SISO NORTH (Average – 484 Tones)



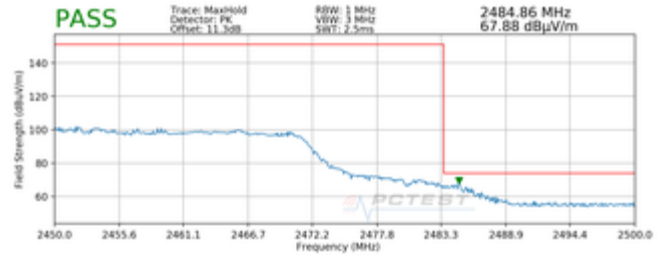
Plot 7-302. Radiated Restricted Upper Band Edge Measurement SISO NORTH (Peak – 484 Tones)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of element	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 187 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



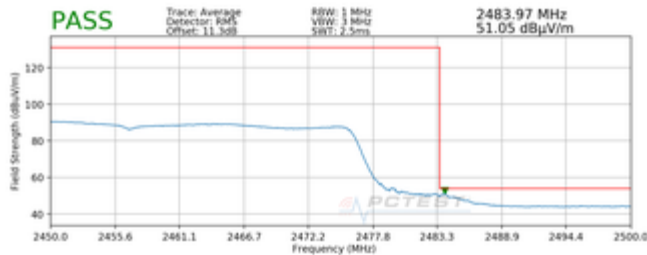
Plot 7-303. Radiated Restricted Upper Band Edge Measurement SISO NORTH (Average - 484 Tones)



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 element	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 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

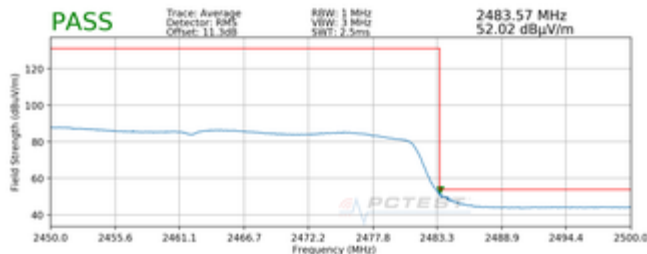


Plot 7-305. Radiated Restricted Upper Band Edge Measurement SISO NORTH (Average – 484 Tones)



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)

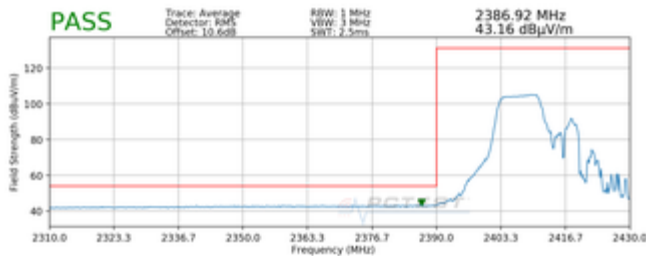
FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Microsoft	Approved by: Technical Manager
Test Report S/N: 1M2105060048-13.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 189 of 202

7.7.8 MIMO Radiated Restricted Band Edge Measurements 20MHz

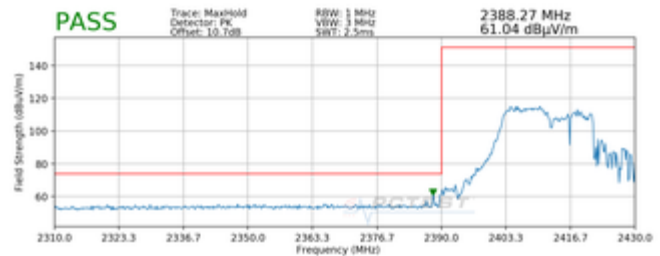
§15.205 §15.209; RSS-Gen [8.9]

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

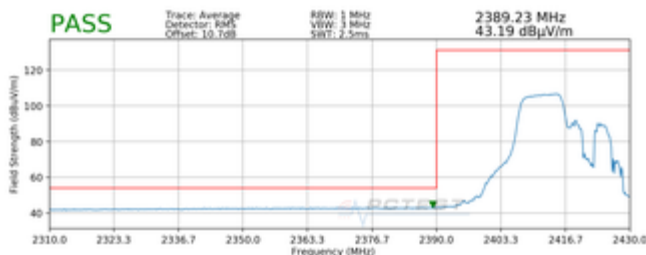


Plot 7-309. Radiated Restricted Lower Band Edge Measurement MIMO (Average – 106 Tones)



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



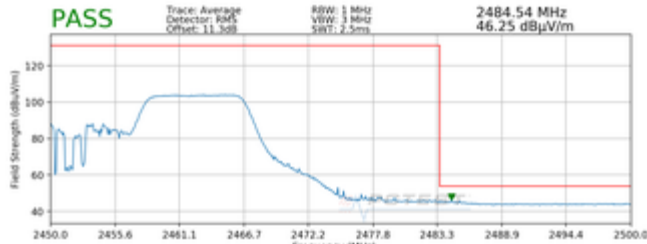
Plot 7-311. Radiated Restricted Lower Band Edge Measurement MIMO (Average – 106 Tones)



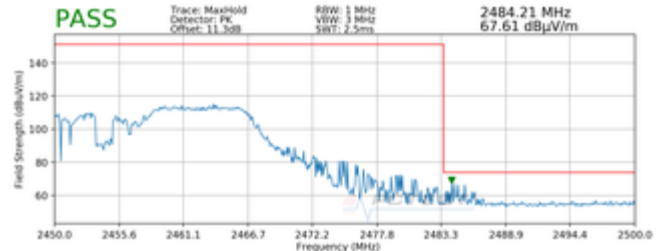
Plot 7-312. Radiated Restricted Lower Band Edge Measurement MIMO (Peak – 106 Tones)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of element	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 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

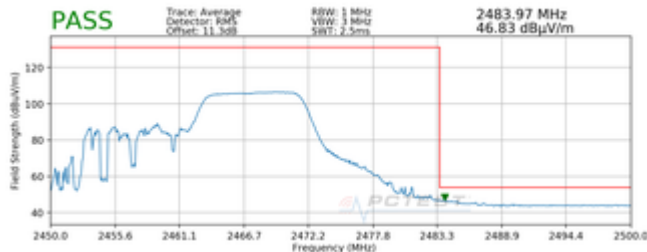


Plot 7-313. Radiated Restricted Upper Band Edge Measurement MIMO (Average – 106 Tones)

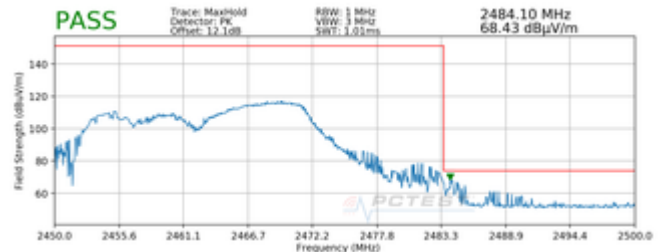


Plot 7-314. Radiated Restricted Upper Band Edge Measurement MIMO (Peak – 106 Tones)

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



Plot 7-315. Radiated Restricted Upper Band Edge Measurement MIMO (Average – 106 Tones)



Plot 7-316. Radiated Restricted Upper 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 191 of 202

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

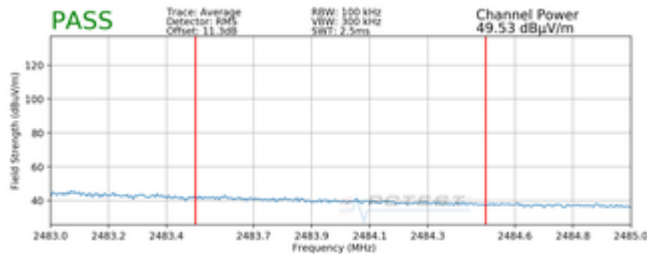


Plot 7-317. Radiated Restricted Upper Band Edge Measurement MIMO (Average – 106 Tones)

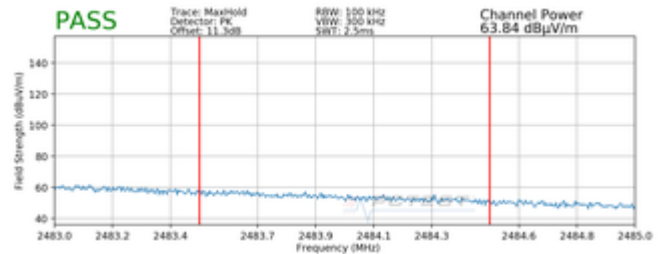


Plot 7-318. Radiated Restricted Upper Band Edge Measurement MIMO (Peak – 106 Tones)

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



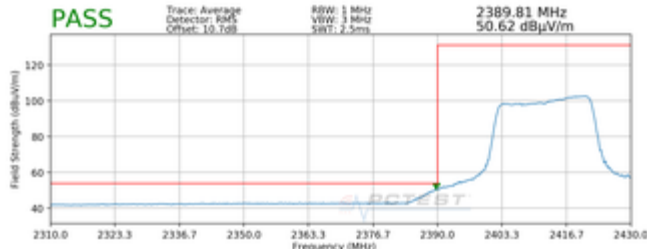
Plot 7-319. Radiated Restricted Upper Band Edge Measurement MIMO (Average – 106 Tones)



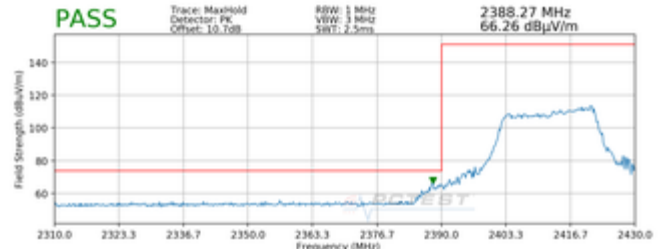
Plot 7-320. Radiated Restricted Upper Band Edge Measurement MIMO (Peak – 106 Tones)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Microsoft	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

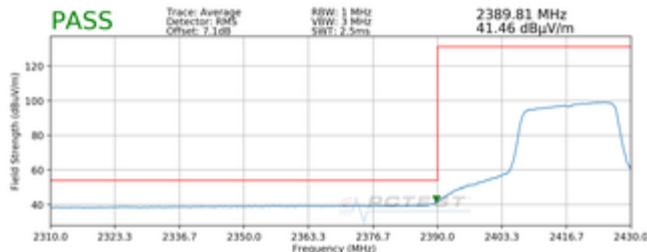


Plot 7-321. Radiated Restricted Lower Band Edge Measurement MIMO (Average – 242 Tones)



Plot 7-322. Radiated Restricted Lower Band Edge Measurement MIMO (Peak – 242 Tones)

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



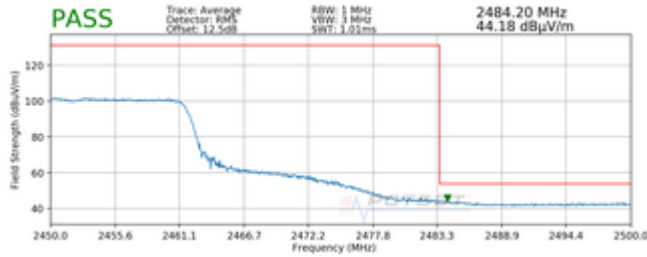
Plot 7-323. Radiated Restricted Lower Band Edge Measurement MIMO (Average – 242 Tones)



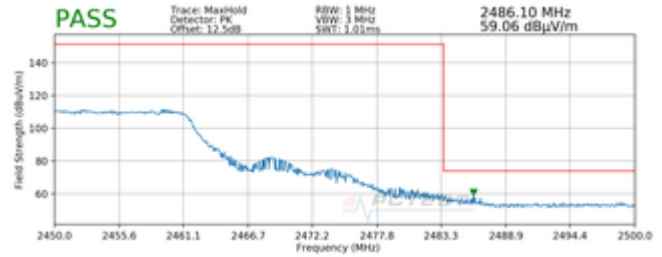
Plot 7-324. Radiated Restricted Lower Band Edge Measurement MIMO (Peak – 242 Tones)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of element	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 193 of 202	

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

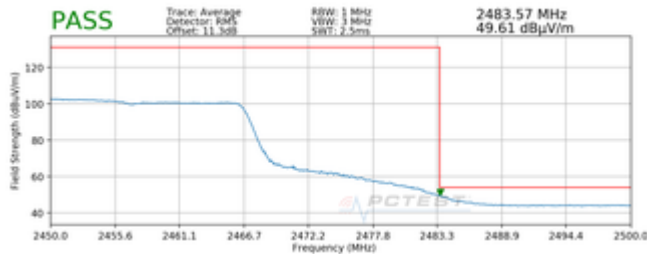


Plot 7-325. Radiated Restricted Upper Band Edge Measurement MIMO (Average – 242 Tones)



Plot 7-326. Radiated Restricted Upper Band Edge Measurement MIMO (Peak – 242 Tones)

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



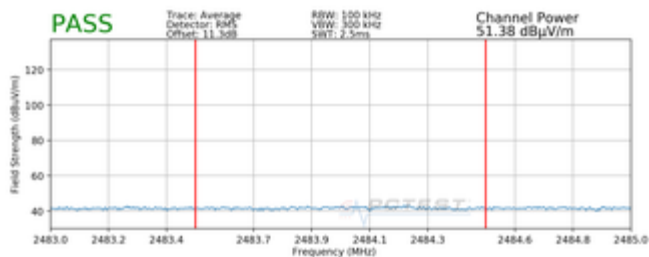
Plot 7-327. Radiated Restricted Upper Band Edge Measurement MIMO (Average – 242 Tones)



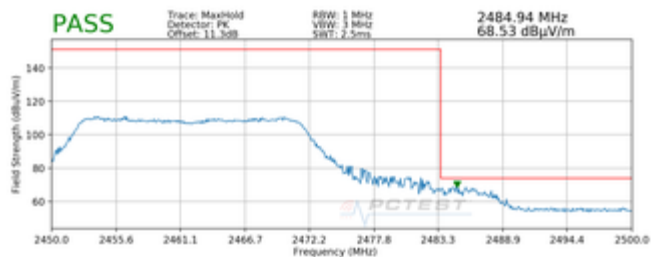
Plot 7-328. Radiated Restricted Upper Band Edge Measurement MIMO (Peak – 242 Tones)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of element	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 194 of 202

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

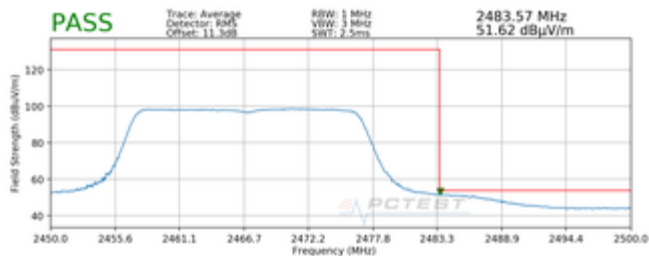


Plot 7-329. Radiated Restricted Upper Band Edge Measurement MIMO (Average – 242 Tones)



Plot 7-330. Radiated Restricted Upper Band Edge Measurement MIMO (Peak – 242 Tones)

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



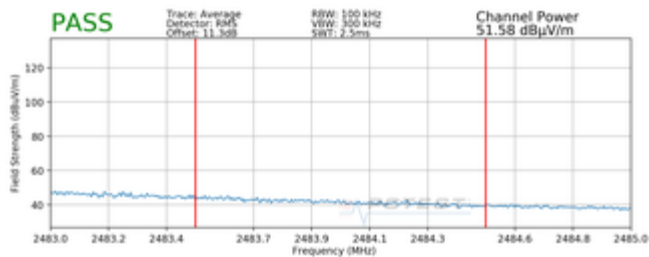
Plot 7-331. Radiated Restricted Upper Band Edge Measurement MIMO (Average – 242 Tones)



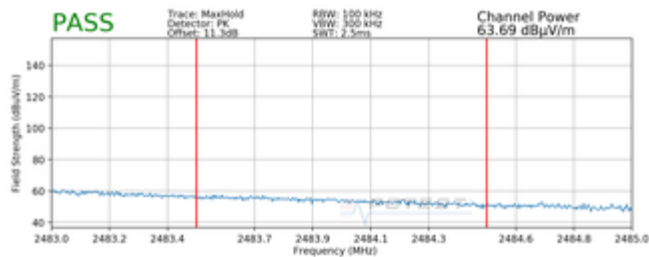
Plot 7-332. Radiated Restricted Upper Band Edge Measurement MIMO (Peak – 242 Tones)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of element	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 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 element	MEASUREMENT REPORT (CERTIFICATION)	Microsoft	Approved by: Technical Manager
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7.7.9 MIMO Radiated Restricted Band Edge Measurements 40MHz

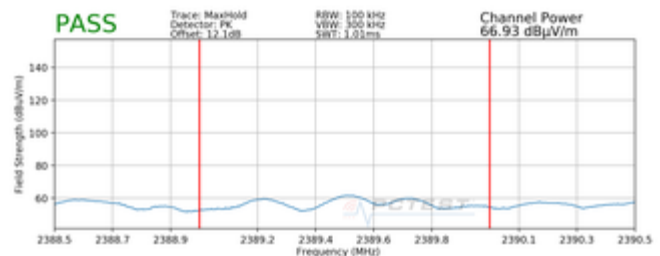
§15.205 §15.209; RSS-Gen [8.9]

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



Plot 7-335. Radiated Restricted Lower Band Edge Measurement MIMO (Average – 242 Tones)

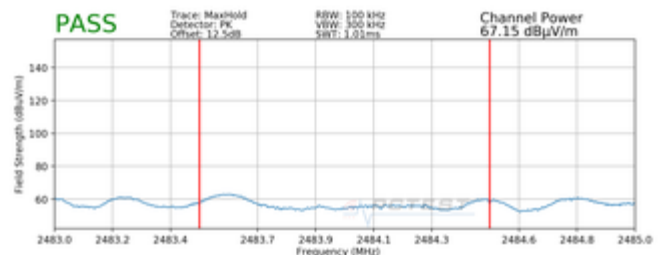


Plot 7-336. Radiated Restricted Lower Band Edge Measurement MIMO (Peak – 242 Tones)

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 7-337. Radiated Restricted Upper Band Edge Measurement MIMO (Average – 242 Tones)



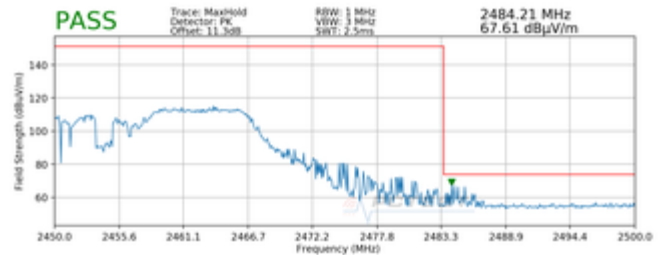
Plot 7-338. Radiated Restricted Upper Band Edge Measurement MIMO (Peak – 242 Tones)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of element	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 197 of 202

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

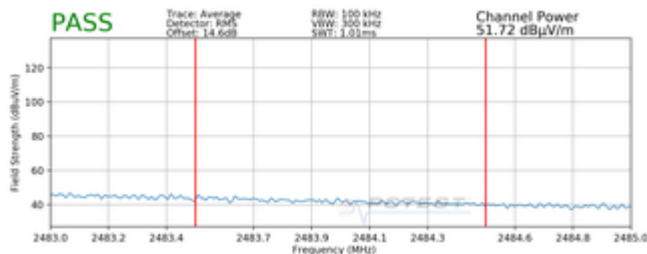


Plot 7-339. Radiated Restricted Upper Band Edge Measurement MIMO (Average – 242 Tones)

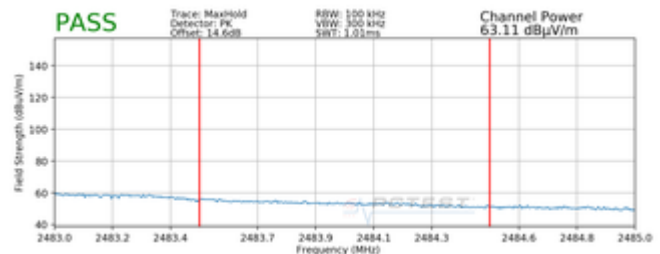


Plot 7-340. Radiated Restricted Upper Band Edge Measurement MIMO (Peak – 242 Tones)

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



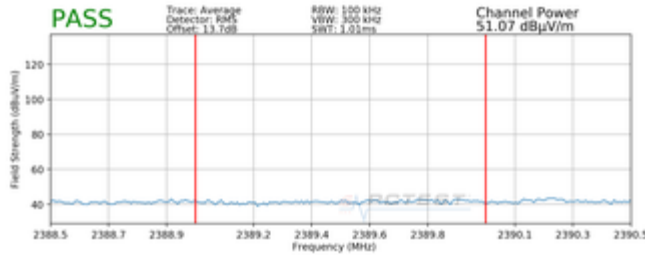
Plot 7-341. Radiated Restricted Upper Band Edge Measurement MIMO (Average – 242 Tones)



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

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of element	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 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

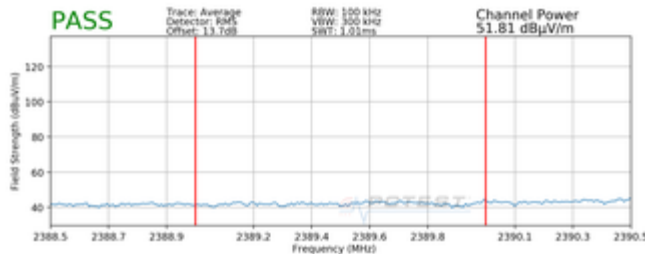


Plot 7-343. Radiated Restricted Lower Band Edge Measurement MIMO (Average – 484 Tones)

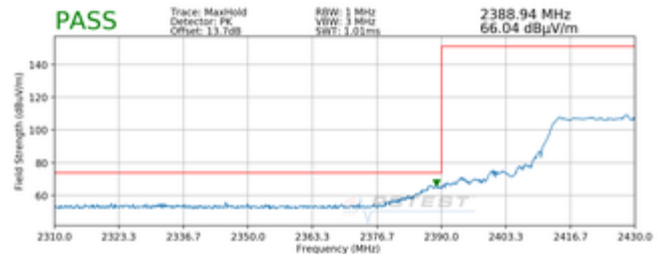


Plot 7-344. Radiated Restricted Lower Band Edge Measurement MIMO (Peak – 484 Tones)

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 7-345. Radiated Restricted Upper Band Edge Measurement MIMO (Average – 484 Tones)



Plot 7-346. Radiated Restricted Upper Band Edge Measurement MIMO (Peak – 484 Tones)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of element	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



Plot 7-347. Radiated Restricted Upper Band Edge Measurement MIMO (Average – 484 Tones)

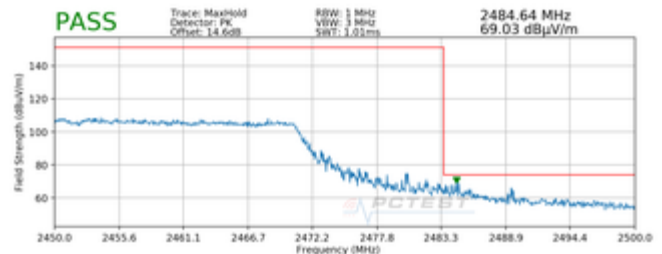


Plot 7-348. Radiated Restricted Upper Band Edge Measurement MIMO (Peak – 484 Tones)

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



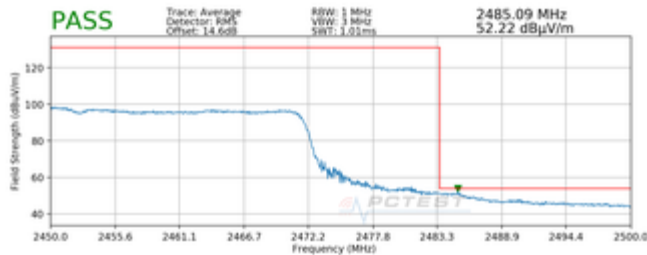
Plot 7-349. Radiated Restricted Upper Band Edge Measurement MIMO (Average – 484 Tones)



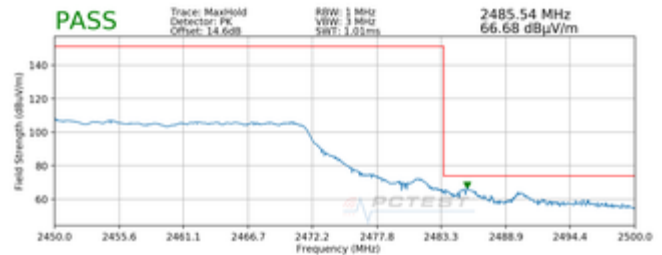
Plot 7-350. Radiated Restricted Upper Band Edge Measurement MIMO (Peak – 484 Tones)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Microsoft	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

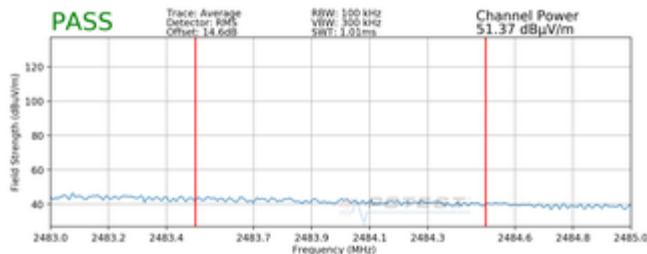


Plot 7-351. Radiated Restricted Upper Band Edge Measurement MIMO (Average – 484 Tones)

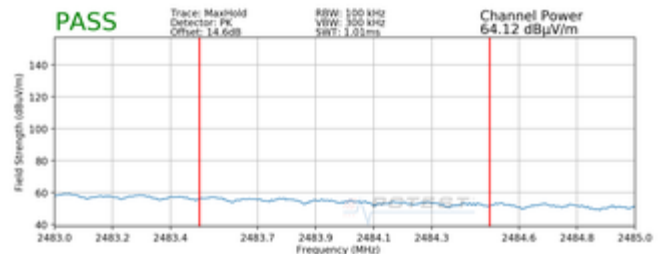


Plot 7-352. Radiated Restricted Upper Band Edge Measurement MIMO (Peak – 484 Tones)

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 7-353. Radiated Restricted Upper Band Edge Measurement MIMO (Average – 484 Tones)



Plot 7-354. Radiated Restricted Upper Band Edge Measurement MIMO (Peak – 484 Tones)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Microsoft	Approved by: Technical Manager
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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	 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 202 of 202