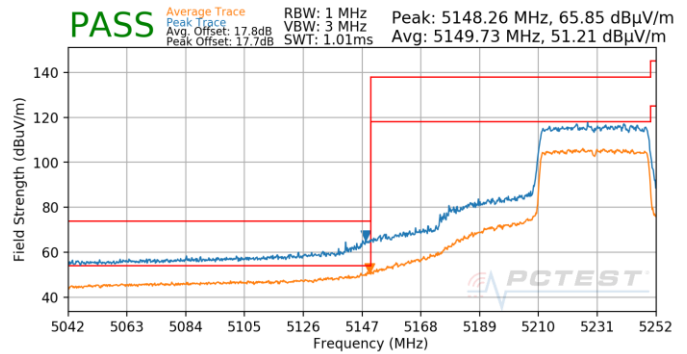
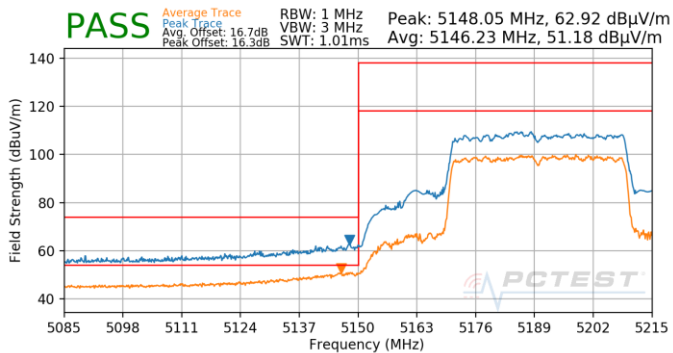


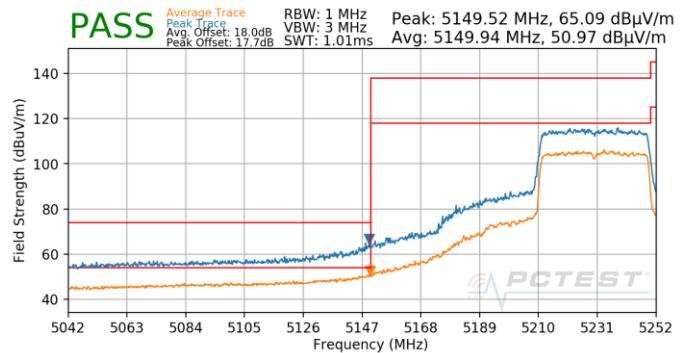
Plot 7-1025. CDD (Pk & Avg, Ch.38, 80.11ax(SU), MCS0)



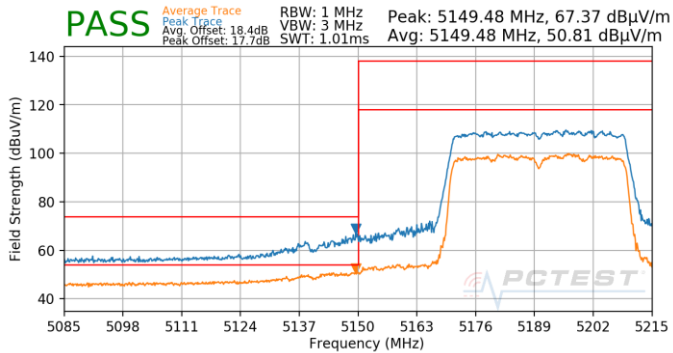
Plot 7-1028. CDD (Pk & Avg, Ch.46, 80.11ax(SU), MCS0)



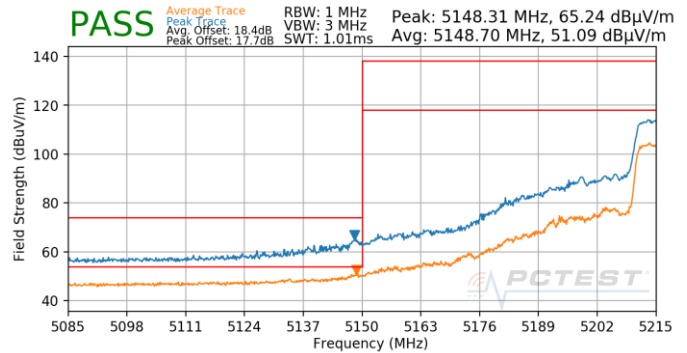
Plot 7-1026. CDD (Pk & Avg, Ch.38, 80.11ax(SU), MCS3)



Plot 7-1029. CDD (Pk & Avg, Ch.46, 80.11ax(SU), MCS3)

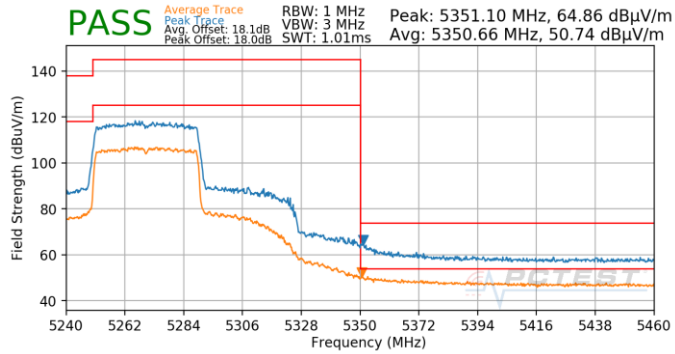


Plot 7-1027. CDD (Pk & Avg, Ch.38, 80.11ax(SU), MCS11)

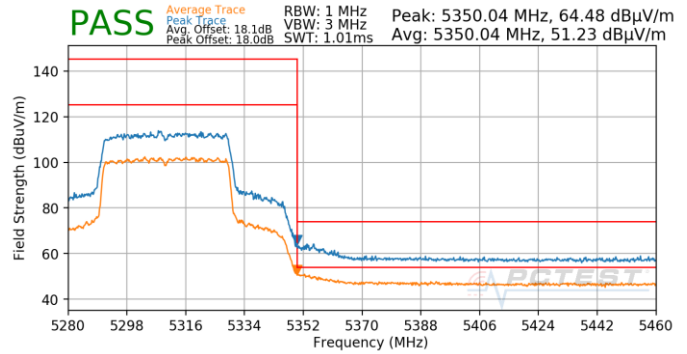


Plot 7-1030. CDD (Pk & Avg, Ch.46, 80.11ax(SU), MCS11)

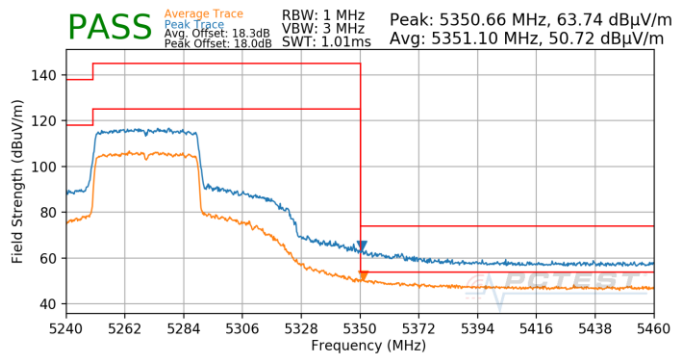
<b>FCC ID:</b> BCGA2379 <b>IC:</b> 579C-A2379		<b>MEASUREMENT REPORT</b> <b>(CERTIFICATION)</b>	<b>Approved by:</b> Quality Manager
<b>Test Report S/N:</b> 1C2101020005-15-R1.BCG	<b>Test Dates:</b> 12/12/2020 - 03/2/2021	<b>EUT Type:</b> Tablet Device	Page 323 of 348



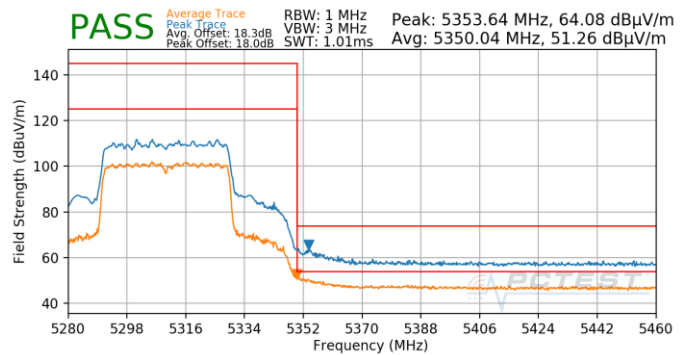
Plot 7-1031. CDD (Pk & Avg, Ch.54, 80.11ax(SU), MCS0)



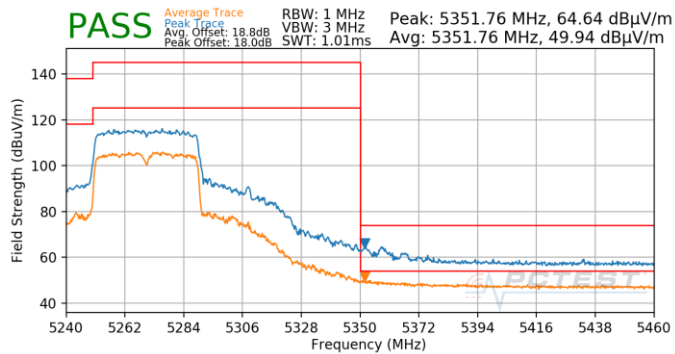
Plot 7-1034. CDD (Pk & Avg, Ch.62, 80.11ax(SU), MCS0)



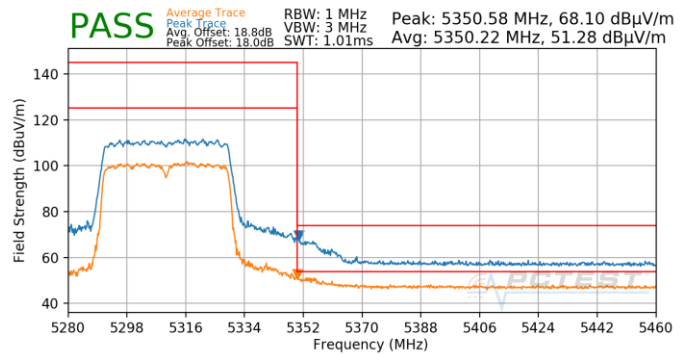
Plot 7-1032. CDD (Pk & Avg, Ch.54, 80.11ax(SU), MCS3)



Plot 7-1035. CDD (Pk & Avg, Ch.62, 80.11ax(SU), MCS3)

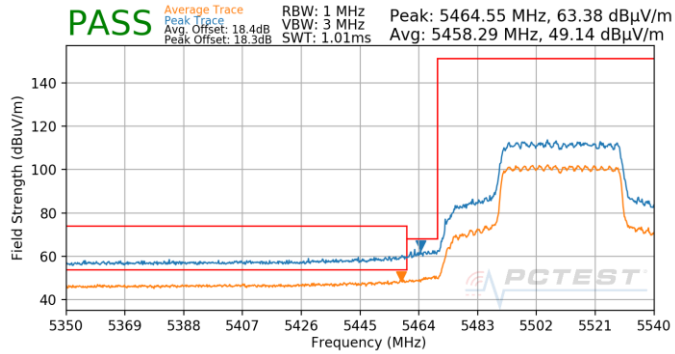


Plot 7-1033. CDD (Pk & Avg, Ch.54, 80.11ax(SU), MCS11)

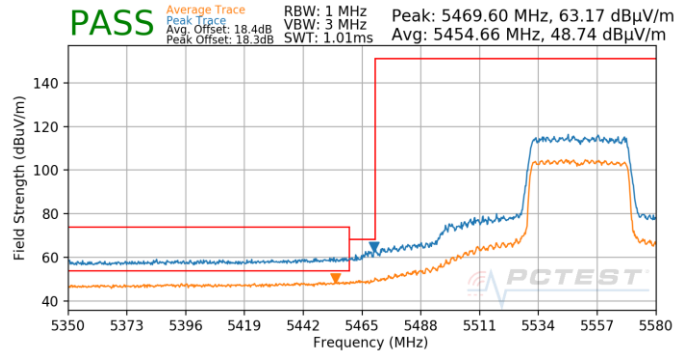


Plot 7-1036. CDD (Pk & Avg, Ch.62, 80.11ax(SU), MCS11)

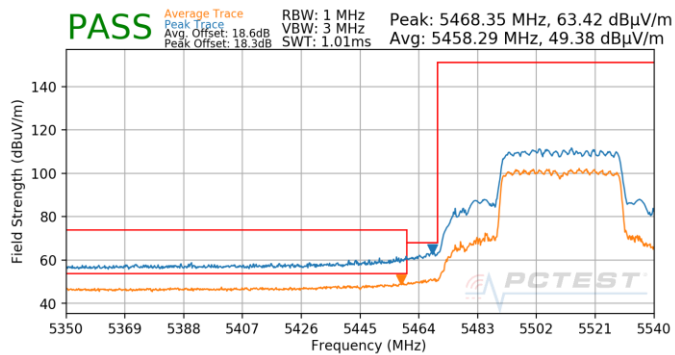
<b>FCC ID:</b> BCGA2379 <b>IC:</b> 579C-A2379	<div><div><b>MEASUREMENT REPORT</b> <b>(CERTIFICATION)</b></div><div><small>Proud to be part of  element</small></div></div>		<b>Approved by:</b> Quality Manager
<b>Test Report S/N:</b> 1C2101020005-15-R1.BCG	<b>Test Dates:</b> 12/12/2020 - 03/2/2021	<b>EUT Type:</b> Tablet Device	Page 324 of 348



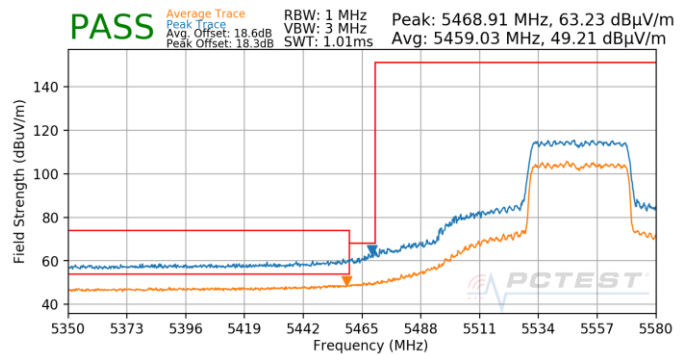
Plot 7-1037. CDD (Pk & Avg, Ch.102, 80.11ax(SU), MCS0)



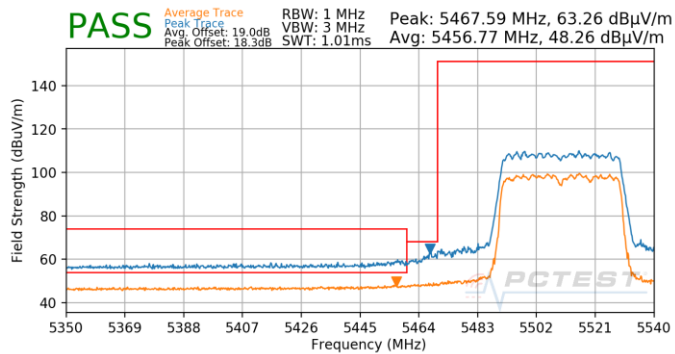
Plot 7-1040. CDD (Pk & Avg, Ch.110, 80.11ax(SU), MCS0)



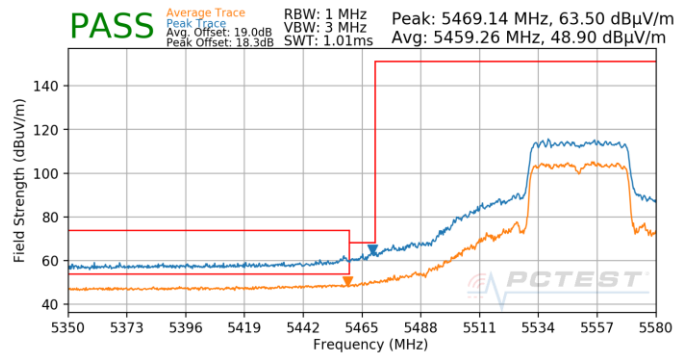
Plot 7-1038. CDD (Pk & Avg, Ch.102, 80.11ax(SU), MCS3)



Plot 7-1041. CDD (Pk & Avg, Ch.110, 80.11ax(SU), MCS3)

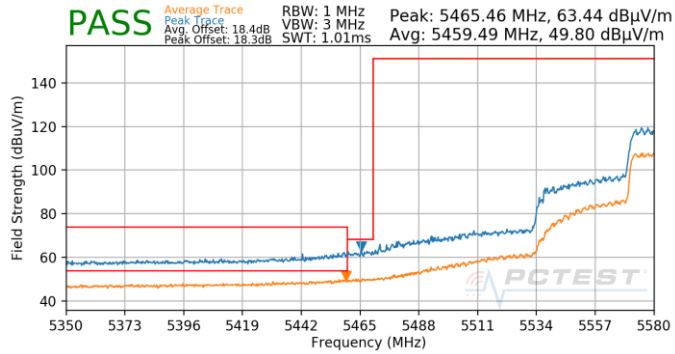


Plot 7-1039. CDD (Pk & Avg, Ch.102, 80.11ax(SU), MCS11)

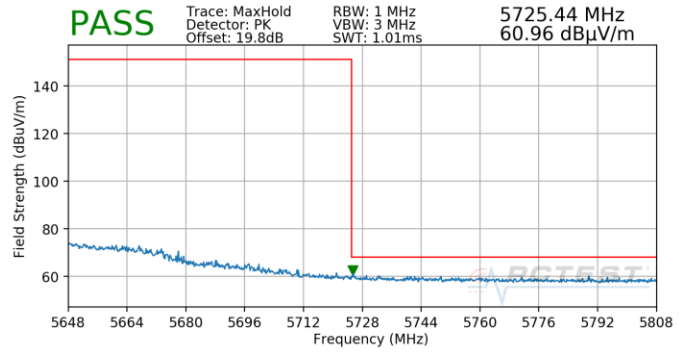


Plot 7-1042. CDD (Pk & Avg, Ch.110, 80.11ax(SU), MCS11)

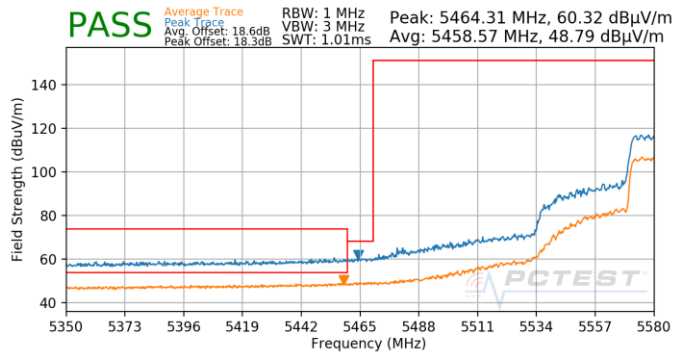
<b>FCC ID:</b> BCGA2379 <b>IC:</b> 579C-A2379		<b>MEASUREMENT REPORT</b> <b>(CERTIFICATION)</b>	<b>Approved by:</b> Quality Manager
<b>Test Report S/N:</b> 1C2101020005-15-R1.BCG	<b>Test Dates:</b> 12/12/2020 - 03/2/2021	<b>EUT Type:</b> Tablet Device	Page 325 of 348



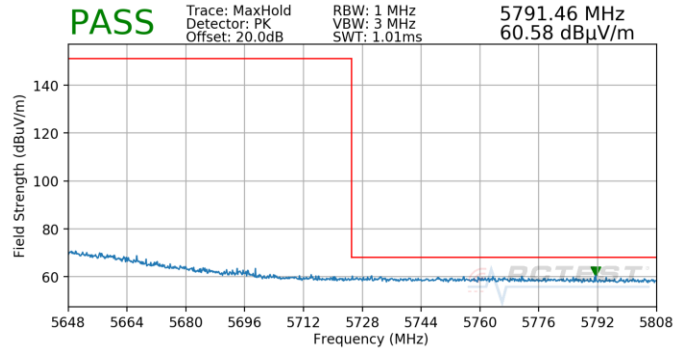
Plot 7-1043. (FCC Only) CDD (Pk & Avg, Ch.118, 80.11ax(SU), MCS0)



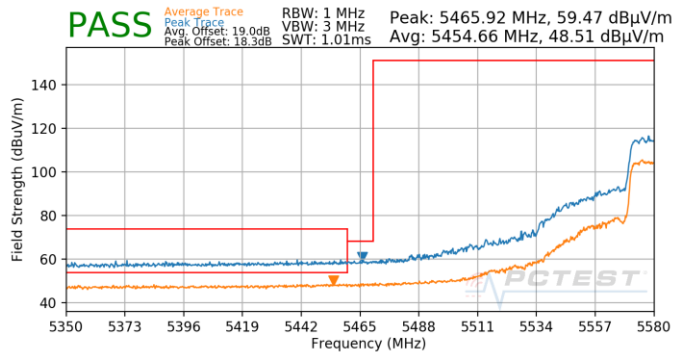
Plot 7-1046. (FCC Only) CDD (Pk, Ch.118, 80.11ax(SU), MCS0)



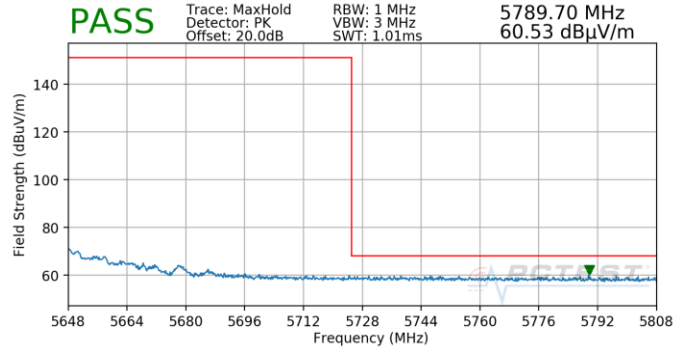
Plot 7-1044. (FCC Only) CDD (Pk & Avg, Ch.118, 80.11ax(SU), MCS3)



Plot 7-1047. (FCC Only) CDD (Pk, Ch.118, 80.11ax(SU), MCS3)

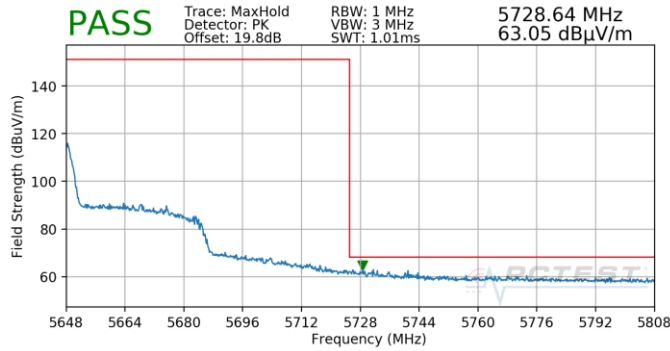


Plot 7-1045. (FCC Only) CDD (Pk & Avg, Ch.118, 80.11ax(SU), MCS11)

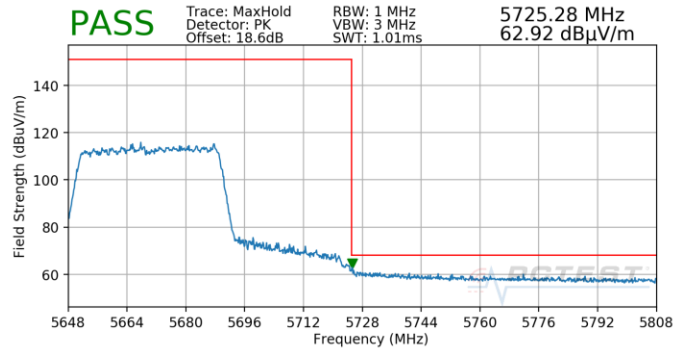


Plot 7-1048. (FCC Only) CDD (Pk, Ch.118, 80.11ax(SU), MCS11)

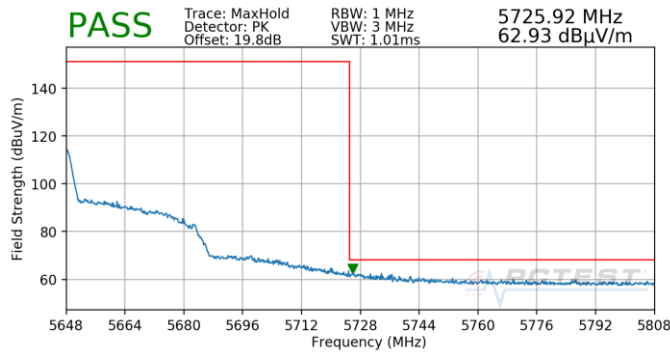
<b>FCC ID:</b> BCGA2379 <b>IC:</b> 579C-A2379		<b>MEASUREMENT REPORT (CERTIFICATION)</b>		<b>Approved by:</b> Quality Manager
<b>Test Report S/N:</b> 1C2101020005-15-R1.BCG	<b>Test Dates:</b> 12/12/2020 - 03/2/2021	<b>EUT Type:</b> Tablet Device		Page 326 of 348



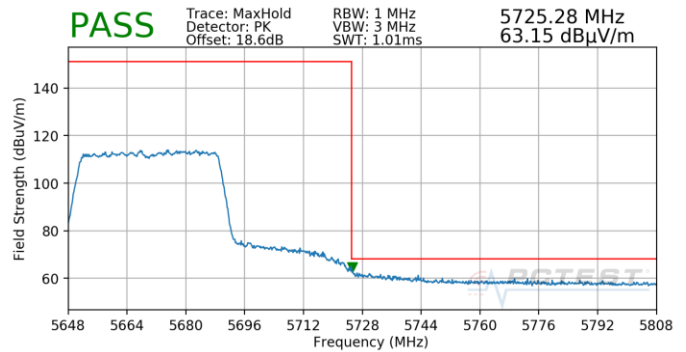
**Plot 7-1049. (FCC Only) CDD (Pk, Ch.126, 80.11ax(SU), MCS0)**



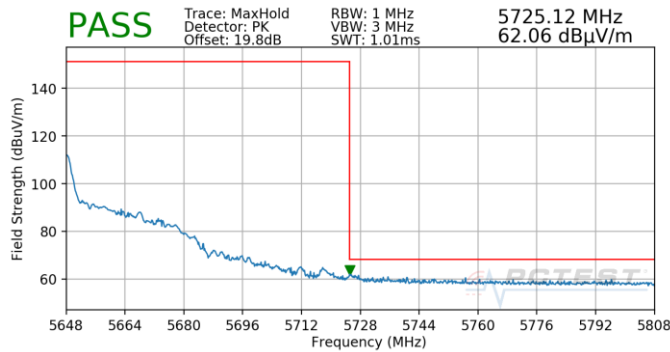
**Plot 7-1052. CDD (Pk, Ch.134, 80.11ax(SU), MCS0)**



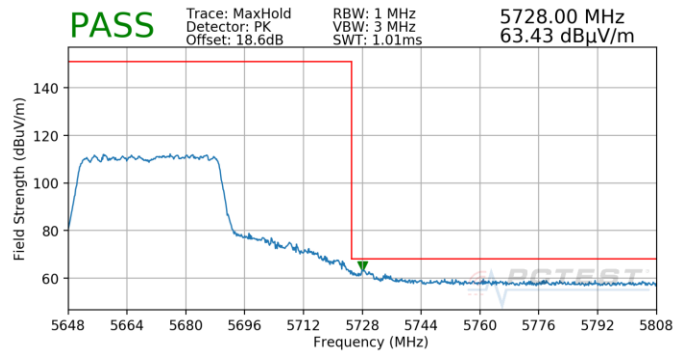
**Plot 7-1050. (FCC Only) CDD (Pk, Ch.126, 80.11ax(SU), MCS3)**



**Plot 7-1053. CDD (Pk, Ch.134, 80.11ax(SU), MCS3)**

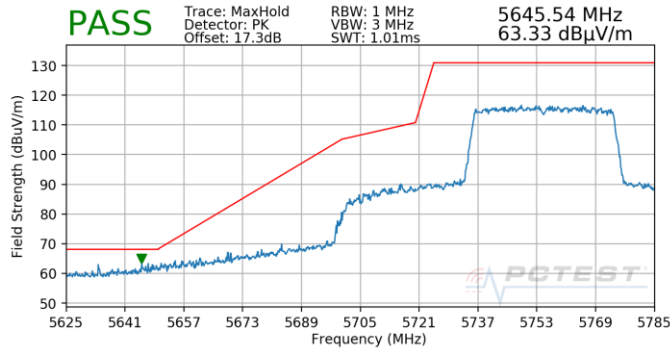


**Plot 7-1051. (FCC Only) CDD (Pk, Ch.126, 80.11ax(SU), MCS11)**

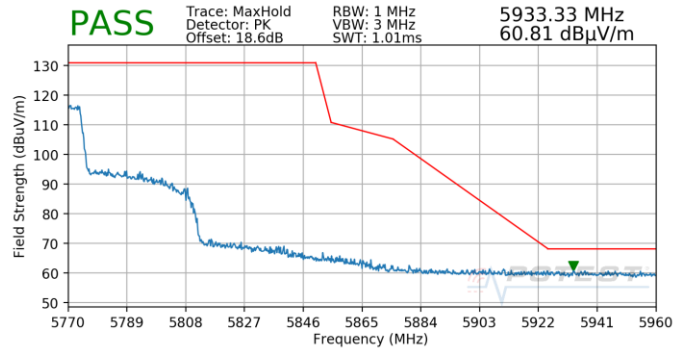


**Plot 7-1054. CDD (Pk, Ch.134, 80.11ax(SU), MCS11)**

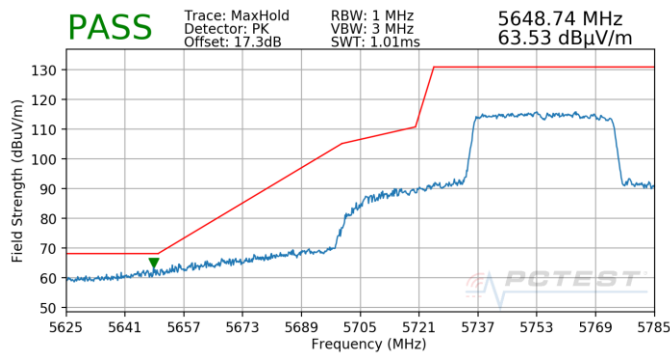
<b>FCC ID:</b> BCGA2379 <b>IC:</b> 579C-A2379		<b>MEASUREMENT REPORT (CERTIFICATION)</b>	<b>Approved by:</b> Quality Manager
<b>Test Report S/N:</b> 1C2101020005-15-R1.BCG	<b>Test Dates:</b> 12/12/2020 - 03/2/2021	<b>EUT Type:</b> Tablet Device	Page 327 of 348



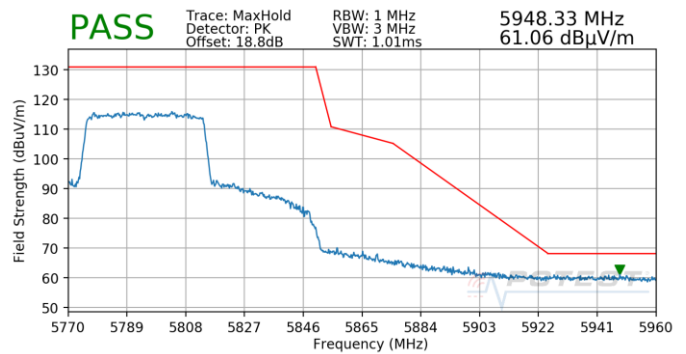
Plot 7-1055. CDD (Pk, Ch.151, 80.11ax(SU), MCS0)



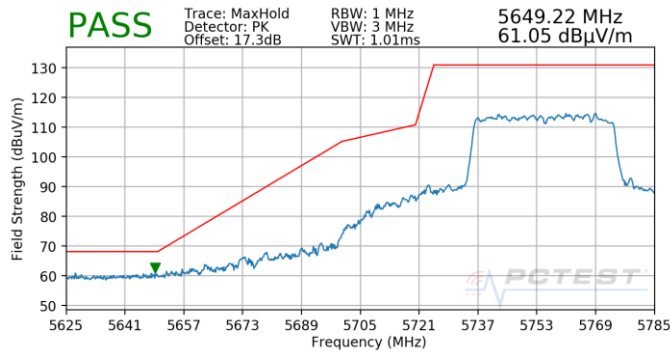
Plot 7-1058. CDD (Pk, Ch.159, 80.11ax(SU), MCS0)



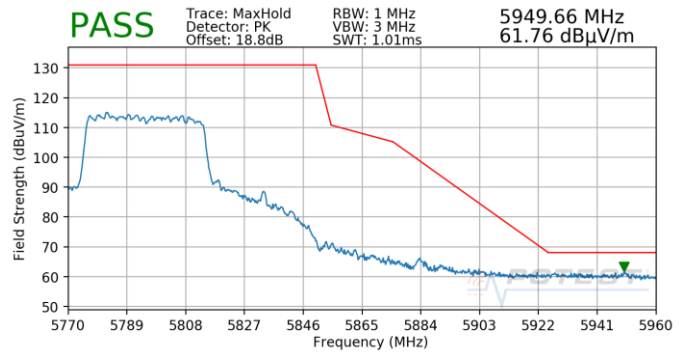
Plot 7-1056. CDD (Pk, Ch.151, 80.11ax(SU), MCS3)



Plot 7-1059. CDD (Pk, Ch.159, 80.11ax(SU), MCS3)



Plot 7-1057. CDD (Pk, Ch.151, 80.11ax(SU), MCS11)

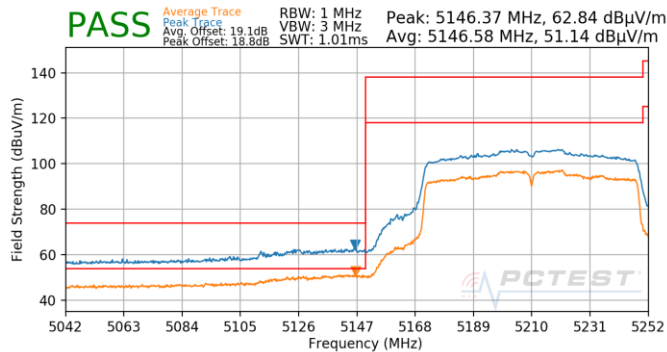


Plot 7-1060. CDD (Pk, Ch.159, 80.11ax(SU), MCS11)

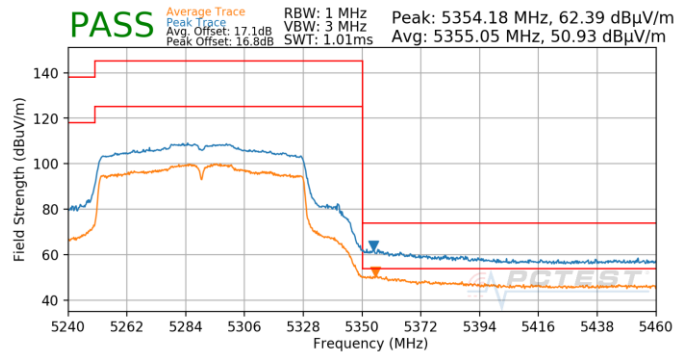
<b>FCC ID:</b> BCGA2379 <b>IC:</b> 579C-A2379		<b>MEASUREMENT REPORT</b> <b>(CERTIFICATION)</b>	<b>Approved by:</b> Quality Manager
<b>Test Report S/N:</b> 1C2101020005-15-R1.BCG	<b>Test Dates:</b> 12/12/2020 - 03/2/2021	<b>EUT Type:</b> Tablet Device	Page 328 of 348



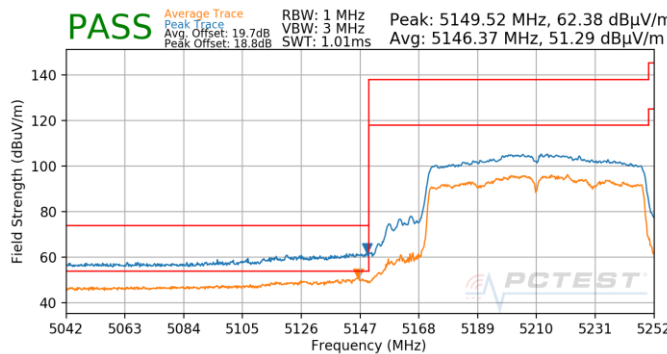
## 7.6.12 CDD Radiated Band Edge Measurements (80MHz BW) §15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]



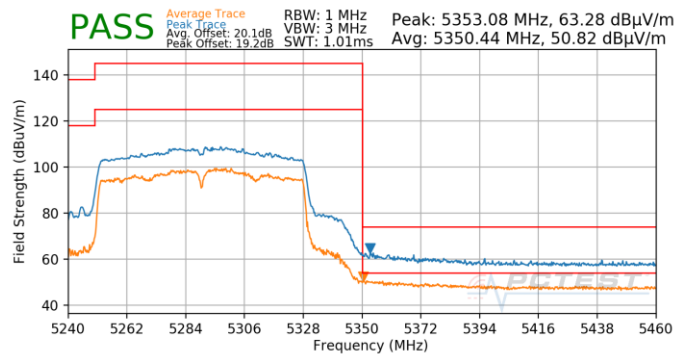
Plot 7-1061. CDD (Pk & Avg, Ch.42, 802.11ac, MCS0)



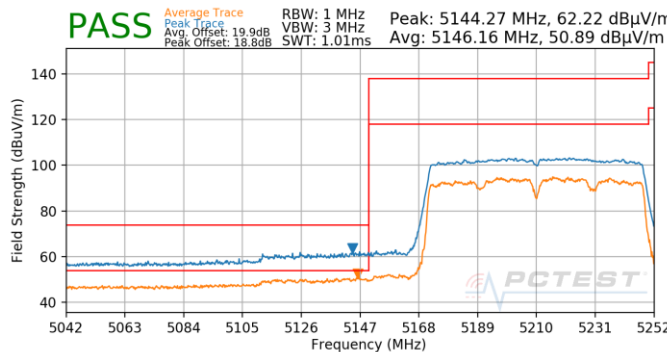
Plot 7-1064. CDD (Pk & Avg, Ch.58, 802.11ac, MCS0)



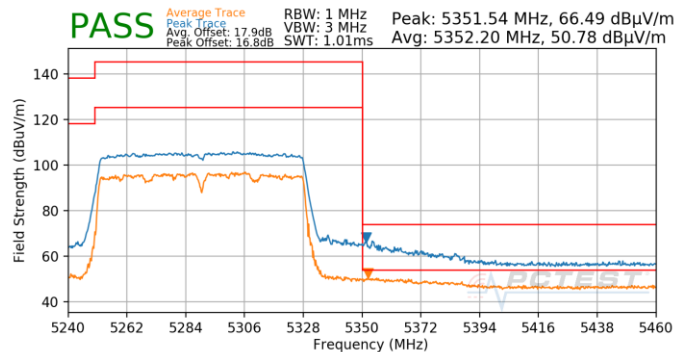
Plot 7-1062. CDD (Pk & Avg, Ch.42, 802.11ac, MCS3)



Plot 7-1065. CDD (Pk & Avg, Ch.58, 802.11ac, MCS3)

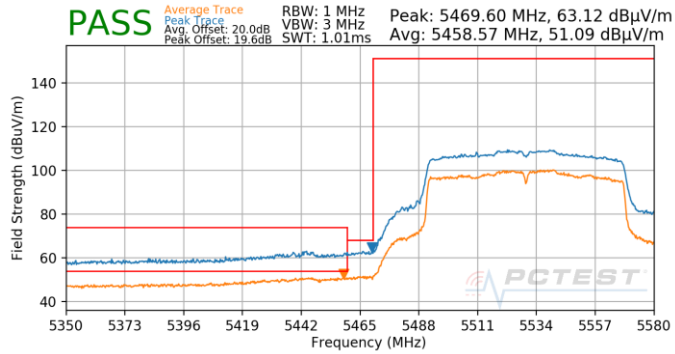


Plot 7-1063. CDD (Pk & Avg, Ch.42, 802.11ac, MCS5)

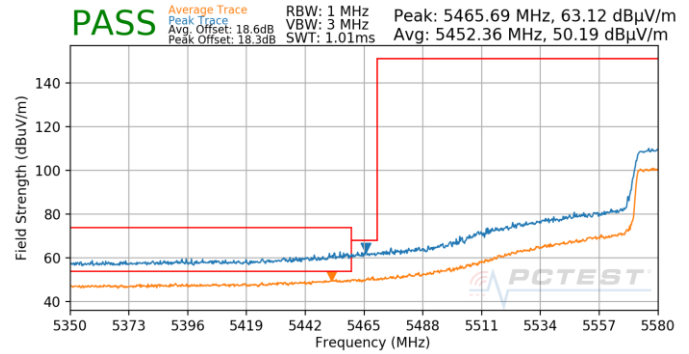


Plot 7-1066. CDD (Pk & Avg, Ch.58, 802.11ac, MCS5)

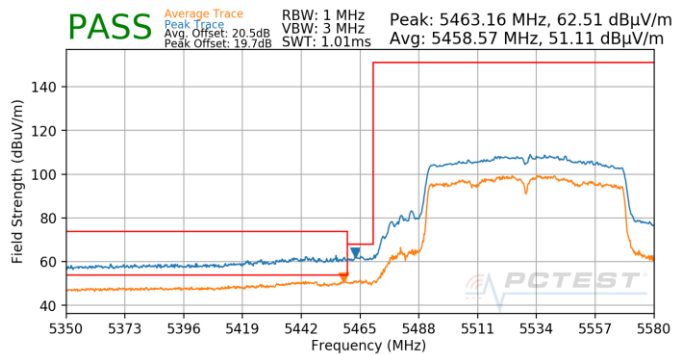
FCC ID: BCGA2379 IC: 579C-A2379	<b>PCTEST</b> Proud to be part of element	<b>MEASUREMENT REPORT (CERTIFICATION)</b>	<b>Approved by:</b> Quality Manager
Test Report S/N: 1C2101020005-15-R1.BCG	Test Dates: 12/12/2020 - 03/2/2021	EUT Type: Tablet Device	Page 329 of 348



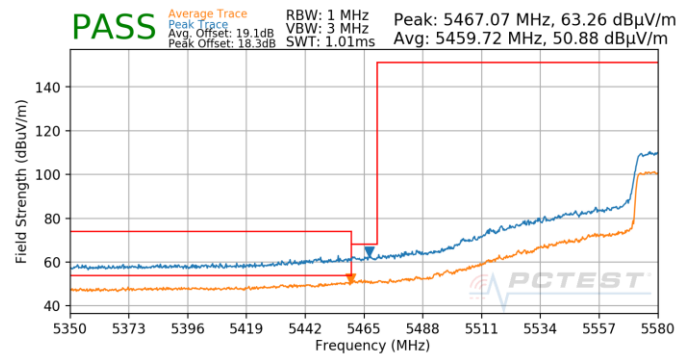
Plot 7-1067. CDD (Pk & Avg, Ch.106, 802.11ac, MCS0)



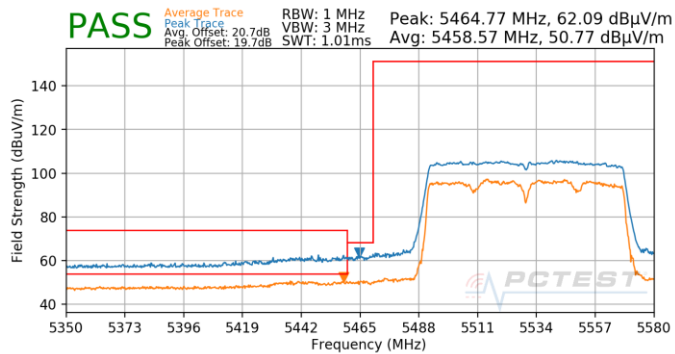
Plot 7-1070. (FCC Only) CDD (Pk & Avg, Ch.122, 802.11ac, MCS0)



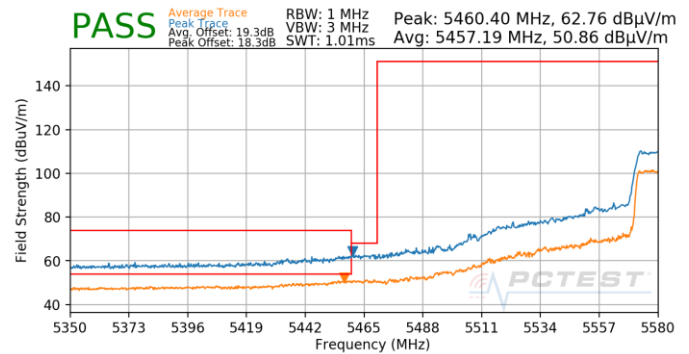
Plot 7-1068. CDD (Pk & Avg, Ch.106, 802.11ac, MCS3)




Plot 7-1071. (FCC Only) CDD (Pk & Avg, Ch.122, 802.11ac, MCS3)



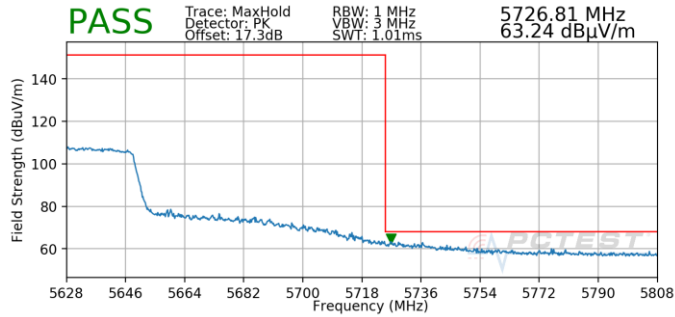
Plot 7-1069. CDD (Pk & Avg, Ch.106, 802.11ac, MCS5)



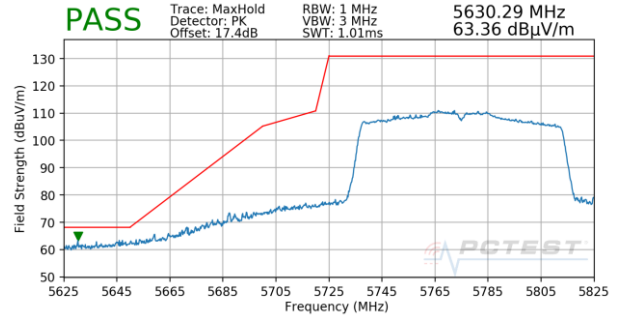
Plot 7-1072. (FCC Only) CDD (Pk & Avg, Ch.122, 802.11ac, MCS5)

<b>FCC ID:</b> BCGA2379 <b>IC:</b> 579C-A2379			<b>MEASUREMENT REPORT</b> <b>(CERTIFICATION)</b>	<b>Approved by:</b> Quality Manager
<b>Test Report S/N:</b> 1C2101020005-15-R1.BCG	<b>Test Dates:</b> 12/12/2020 - 03/2/2021	<b>EUT Type:</b> Tablet Device	Page 330 of 348	

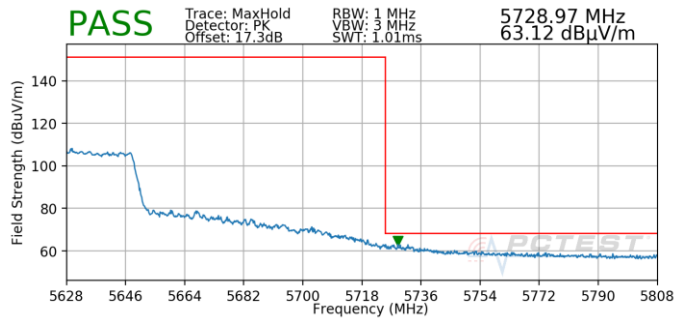




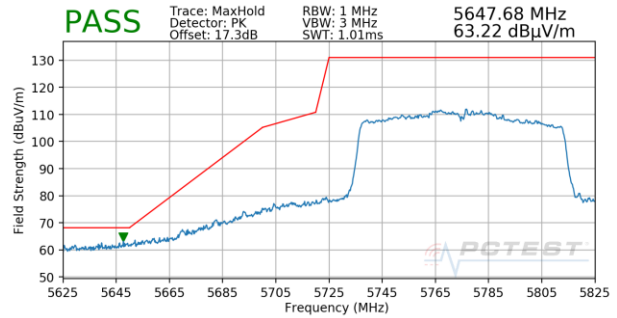
Plot 7-1073. (FCC Only) CDD (Pk, Ch.122, 802.11ac, MCS0)



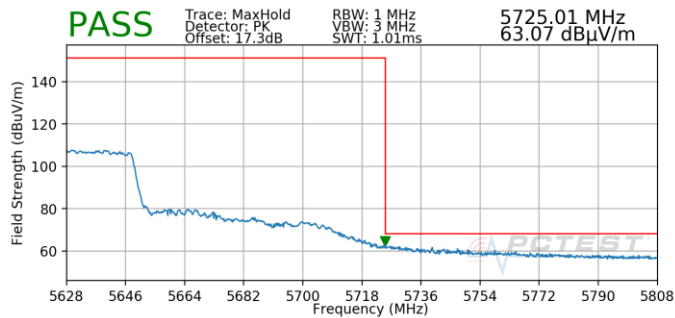
Plot 7-1076. CDD (Pk, Ch.155, 802.11ac, MCS0)



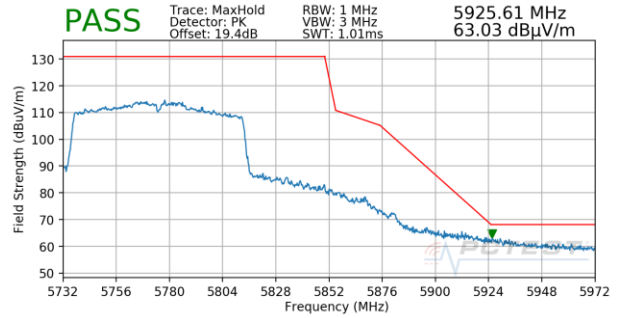
Plot 7-1074. (FCC Only) CDD (Pk, Ch.122, 802.11ac, MCS3)



Plot 7-1077. CDD (Pk, Ch.155, 802.11ac, MCS3)

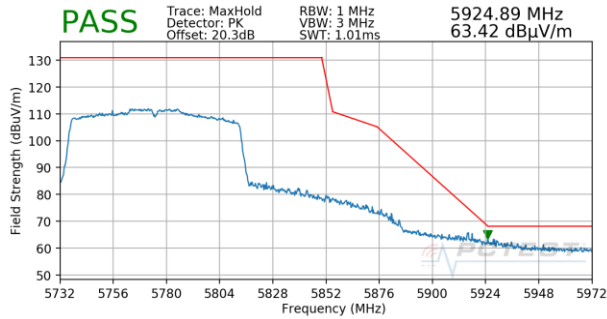


Plot 7-1075. (FCC Only) CDD (Pk, Ch.122, 802.11ac, MCS5)

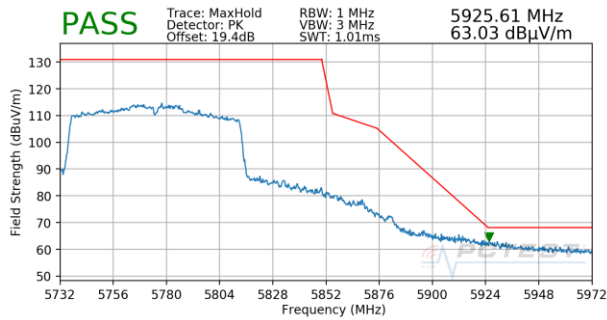


Plot 7-1078. CDD (Pk, Ch.155, 802.11ac, MCS5)

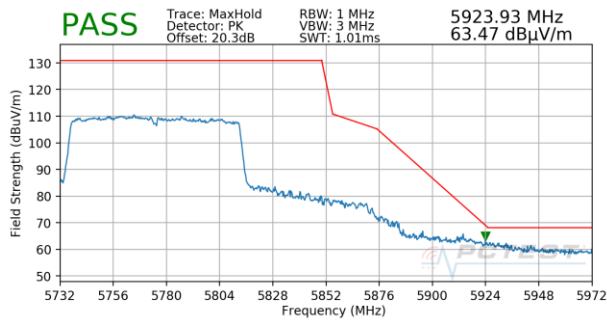
<b>FCC ID:</b> BCGA2379 <b>IC:</b> 579C-A2379		<b>MEASUREMENT REPORT</b> <b>(CERTIFICATION)</b>		<b>Approved by:</b> Quality Manager
<b>Test Report S/N:</b> 1C2101020005-15-R1.BCG	<b>Test Dates:</b> 12/12/2020 - 03/2/2021	<b>EUT Type:</b> Tablet Device		Page 331 of 348





**Plot 7-1079. CDD (Pk, Ch.155, 802.11ac, MCS0)**

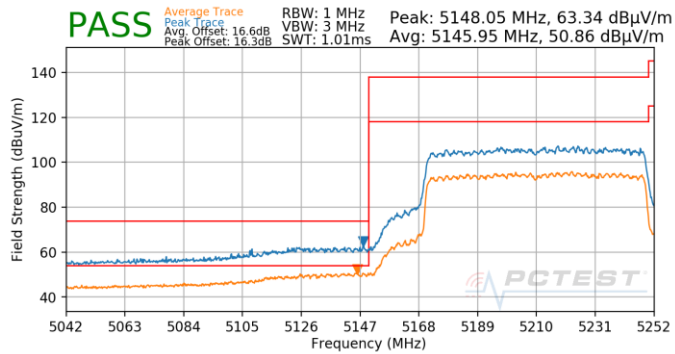


**Plot 7-1080. CDD (Pk, Ch.155, 802.11ac, MCS3)**

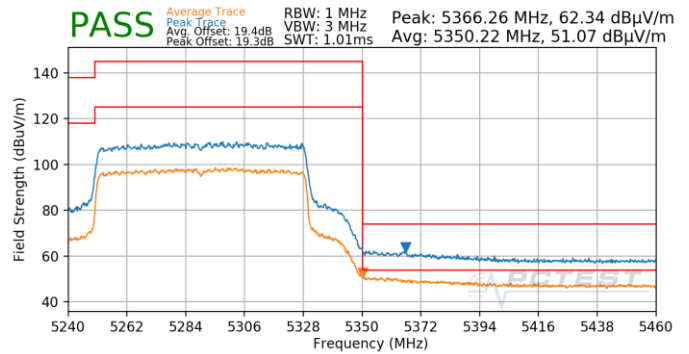


**Plot 7-1081. CDD (Pk, Ch.155, 802.11ac, MCS5)**

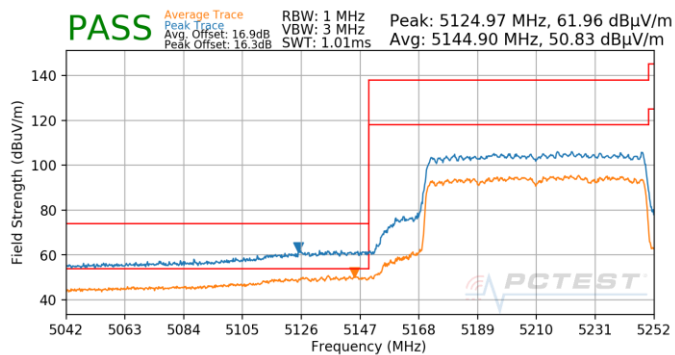
<b>FCC ID:</b> BCGA2379 <b>IC:</b> 579C-A2379	 Proud to be part of 	<b>MEASUREMENT REPORT (CERTIFICATION)</b>		<b>Approved by:</b> Quality Manager
<b>Test Report S/N:</b> 1C2101020005-15-R1.BCG	<b>Test Dates:</b> 12/12/2020 - 03/2/2021	<b>EUT Type:</b> Tablet Device		Page 332 of 348



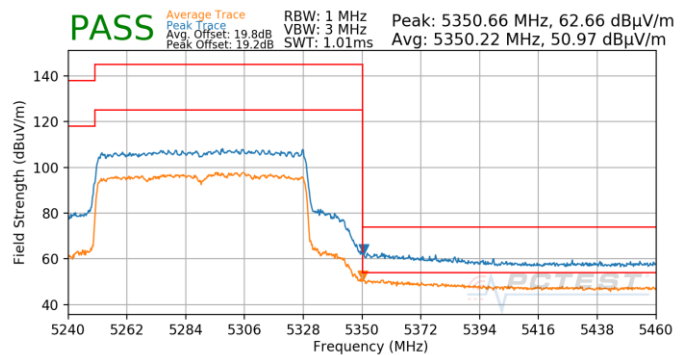
Plot 7-1082. CDD (Pk & Avg, Ch.42, 802.11ax(SU), MCS0)



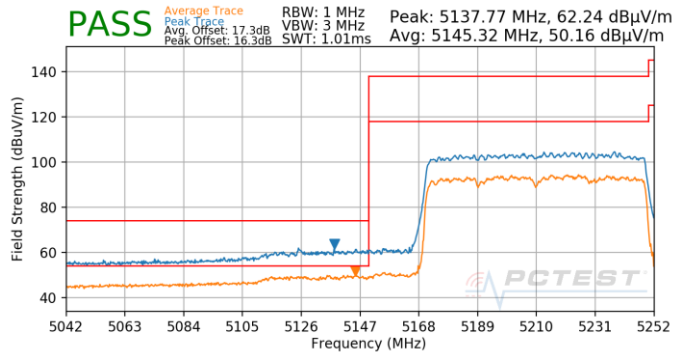
Plot 7-1085. CDD (Pk & Avg, Ch.58, 802.11ax(SU), MCS0)



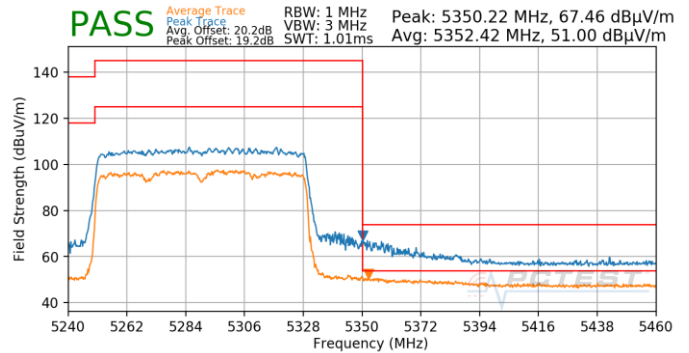
Plot 7-1083. CDD (Pk & Avg, Ch.42, 802.11ax(SU), MCS3)



Plot 7-1086. CDD (Pk & Avg, Ch.58, 802.11ax(SU), MCS3)

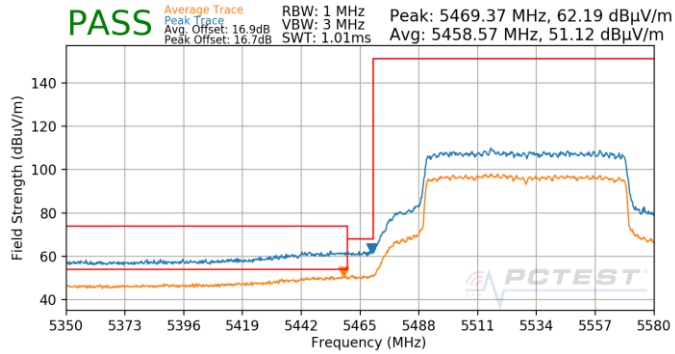


Plot 7-1084. CDD (Pk & Avg, Ch.42, 802.11ax(SU), MCS11)

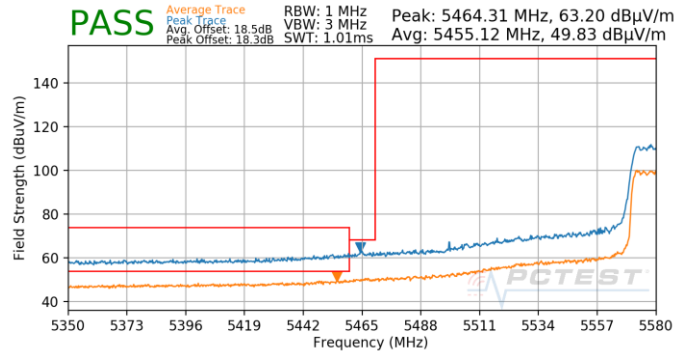


Plot 7-1087. CDD (Pk & Avg, Ch.58, 802.11ax(SU), MCS11)

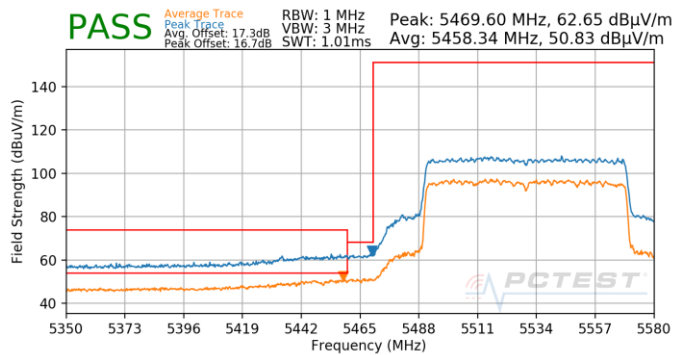
<b>FCC ID:</b> BCGA2379 <b>IC:</b> 579C-A2379		<b>MEASUREMENT REPORT</b> <b>(CERTIFICATION)</b>	<b>Approved by:</b> Quality Manager
<b>Test Report S/N:</b> 1C2101020005-15-R1.BCG	<b>Test Dates:</b> 12/12/2020 - 03/2/2021	<b>EUT Type:</b> Tablet Device	Page 333 of 348



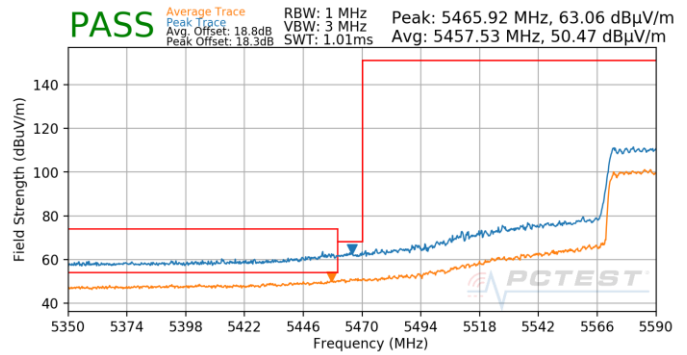
Plot 7-1088. CDD (Pk & Avg, Ch.106, 802.11ax(SU), MCS0)



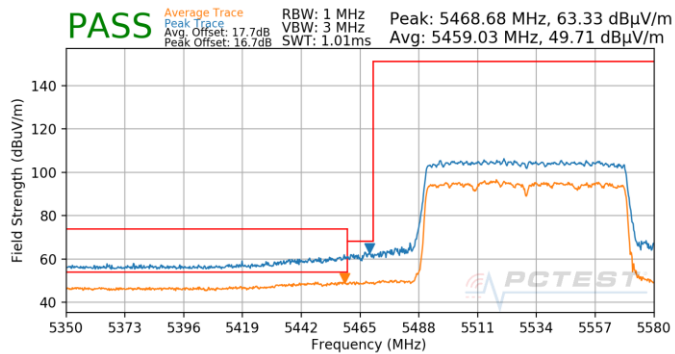
Plot 7-1091. (FCC Only) CDD (Pk & Avg, Ch.122, 802.11ax(SU), MCS0)



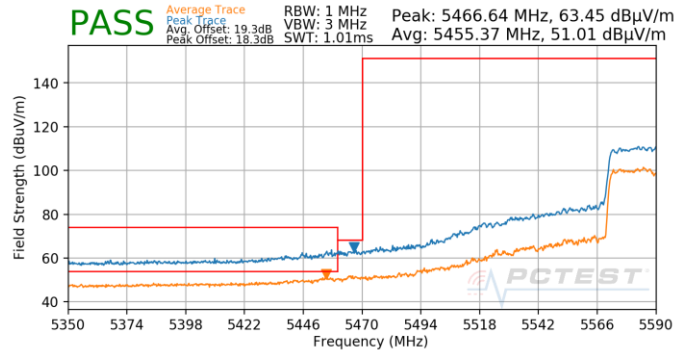
Plot 7-1089. CDD (Pk & Avg, Ch.106, 802.11ax(SU), MCS3)



Plot 7-1092. (FCC Only) CDD (Pk & Avg, Ch.122, 802.11ax(SU), MCS3)

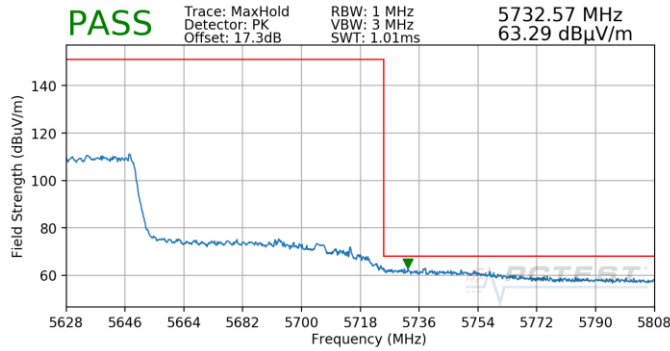


Plot 7-1090. CDD (Pk & Avg, Ch.106, 802.11ax(SU), MCS11)

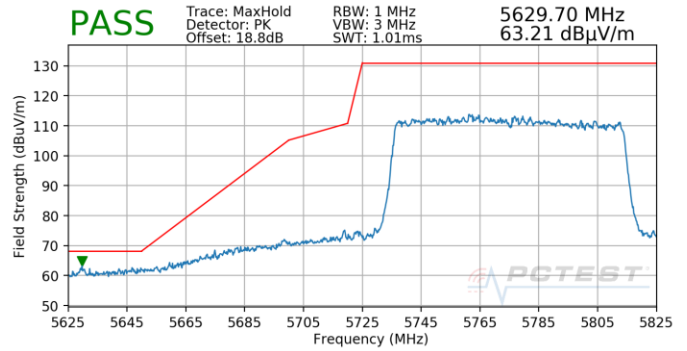


Plot 7-1093. (FCC Only) CDD (Pk & Avg, Ch.122, 802.11ax(SU), MCS11)

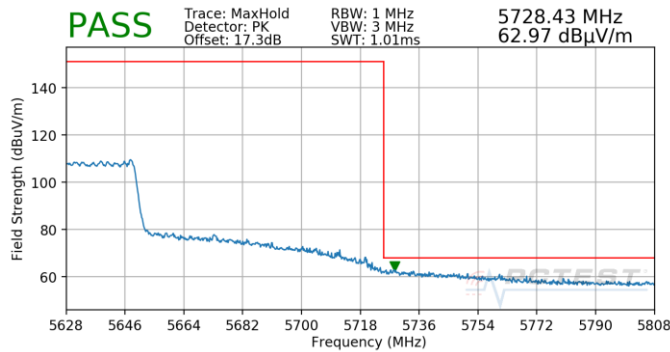
<b>FCC ID:</b> BCGA2379 <b>IC:</b> 579C-A2379		<b>MEASUREMENT REPORT</b> <b>(CERTIFICATION)</b>	<b>Approved by:</b> Quality Manager
<b>Test Report S/N:</b> 1C2101020005-15-R1.BCG	<b>Test Dates:</b> 12/12/2020 - 03/2/2021	<b>EUT Type:</b> Tablet Device	Page 334 of 348



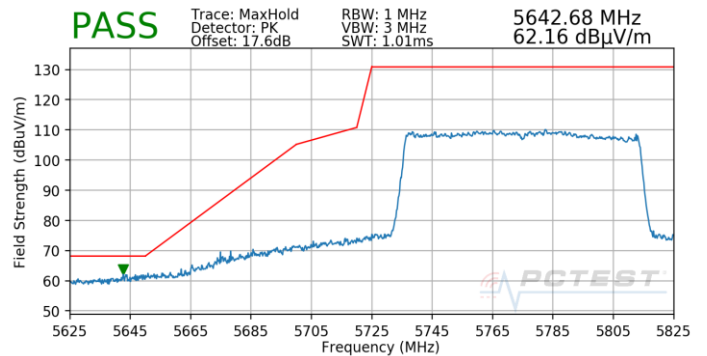
Plot 7-1094. (FCC Only) CDD (Pk, Ch.122, 802.11ax(SU), MCS0)



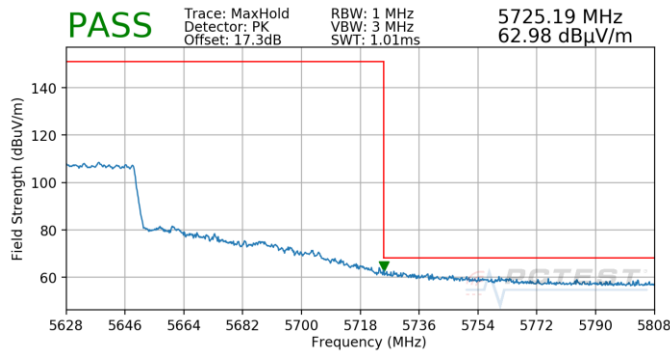
Plot 7-1097. CDD (Pk, Ch.155, 802.11ax(SU), MCS0)



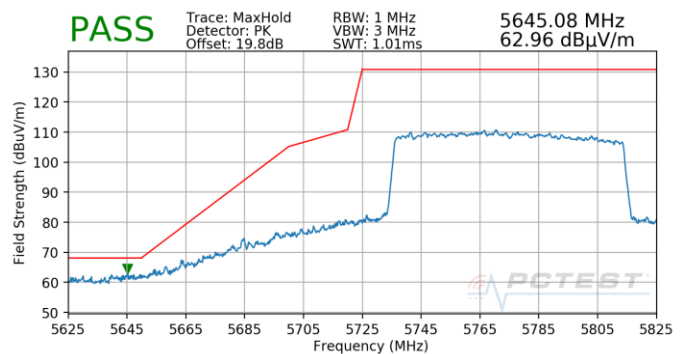
Plot 7-1095. (FCC Only) CDD (Pk, Ch.122, 802.11ax(SU), MCS3)



Plot 7-1098. CDD (Pk, Ch.155, 802.11ax(SU), MCS3)

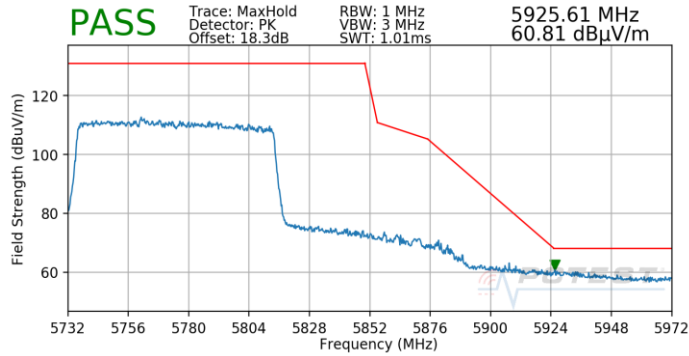


Plot 7-1096. (FCC Only) CDD (Pk, Ch.122, 802.11ax(SU), MCS11)

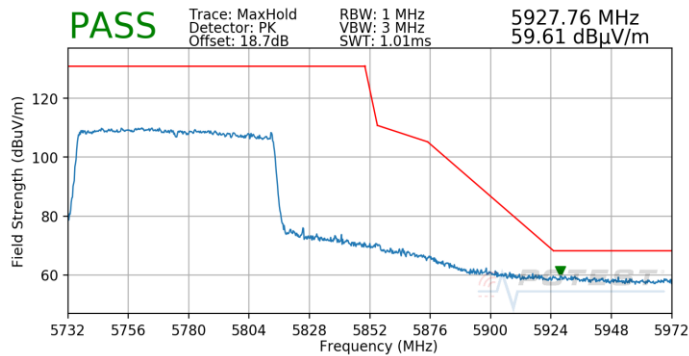


Plot 7-1099. CDD (Pk, Ch.155, 802.11ax(SU), MCS11)

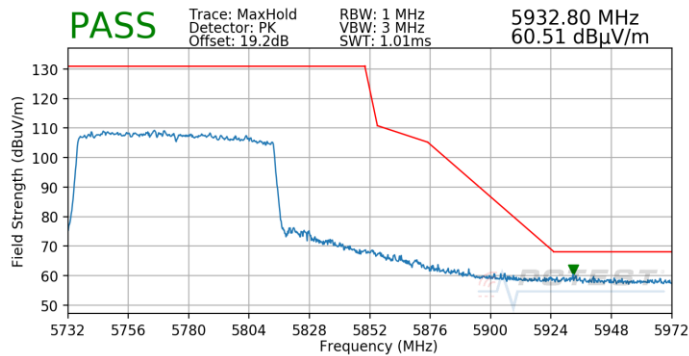
<b>FCC ID:</b> BCGA2379 <b>IC:</b> 579C-A2379		<b>MEASUREMENT REPORT (CERTIFICATION)</b>		<b>Approved by:</b> Quality Manager
<b>Test Report S/N:</b> 1C2101020005-15-R1.BCG	<b>Test Dates:</b> 12/12/2020 - 03/2/2021	<b>EUT Type:</b> Tablet Device		Page 335 of 348



Plot 7-1100. CDD (Pk, Ch.155, 802.11ax(SU), MCS0)



Plot 7-1101. CDD (Pk, Ch.155, 802.11ax(SU), MCS3)



Plot 7-1102. CDD (Pk, Ch.155, 802.11ax(SU), MCS11)

<b>FCC ID:</b> BCGA2379 <b>IC:</b> 579C-A2379	 <b>MEASUREMENT REPORT</b> <b>(CERTIFICATION)</b>	<b>Approved by:</b> Quality Manager
<b>Test Report S/N:</b> 1C2101020005-15-R1.BCG	<b>Test Dates:</b> 12/12/2020 - 03/2/2021	<b>EUT Type:</b> Tablet Device



## 7.6.7 Radiated Spurious Emissions – Below 1GHz

§15.209; RSS-Gen [8.9]

### Test Overview and Limit

All out of band radiated spurious emissions are measured with a spectrum analyzer connected to a receive antenna while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates and modes were investigated for radiated spurious emissions. Only the radiated emissions of the configuration that produced the worst case emissions are reported in this section.

***All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR and Table 7 of RSS-Gen (8.10) must not exceed the limits shown in Table 7-192 per Section 15.209 and RSS-Gen (8.9).***

Frequency	Field Strength [μV/m]	Measured Distance [Meters]
0.009 – 0.490 MHz	2400/F (kHz)	300
0.490 – 1.705 MHz	24000/F (kHz)	30
1.705 – 30.00 MHz	30	30
30.00 – 88.00 MHz	100	3
88.00 – 216.0 MHz	150	3
216.0 – 960.0 MHz	200	3
Above 960.0 MHz	500	3

**Table 7-192. Radiated Limits**

### Test Procedures Used

ANSI C63.10-2013

### Test Settings

#### Quasi-Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 120kHz (for emissions from 30MHz – 1GHz)
3. Detector = quasi-peak
4. Sweep time = auto couple
5. Trace mode = max hold
6. Trace was allowed to stabilize

#### Peak Field Strength Measurements

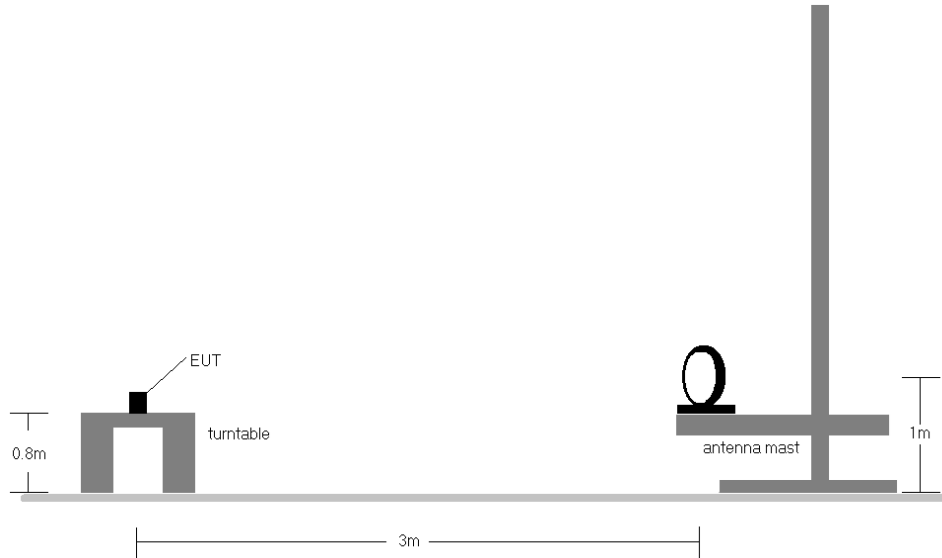
7. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
8. RBW = 120kHz (for emissions from 30MHz – 1GHz)
9. VBW = 300kHz
10. Detector = quasi-peak
11. Sweep time = auto couple
12. Trace mode = max hold

<b>FCC ID:</b> BCGA2379 <b>IC:</b> 579C-A2379	 Proud to be part of 	<b>MEASUREMENT REPORT (CERTIFICATION)</b>	<b>Approved by:</b> Quality Manager
<b>Test Report S/N:</b> 1C2101020005-15-R1.BCG	<b>Test Dates:</b> 12/12/2020 - 03/2/2021	<b>EUT Type:</b> Tablet Device	Page 337 of 348

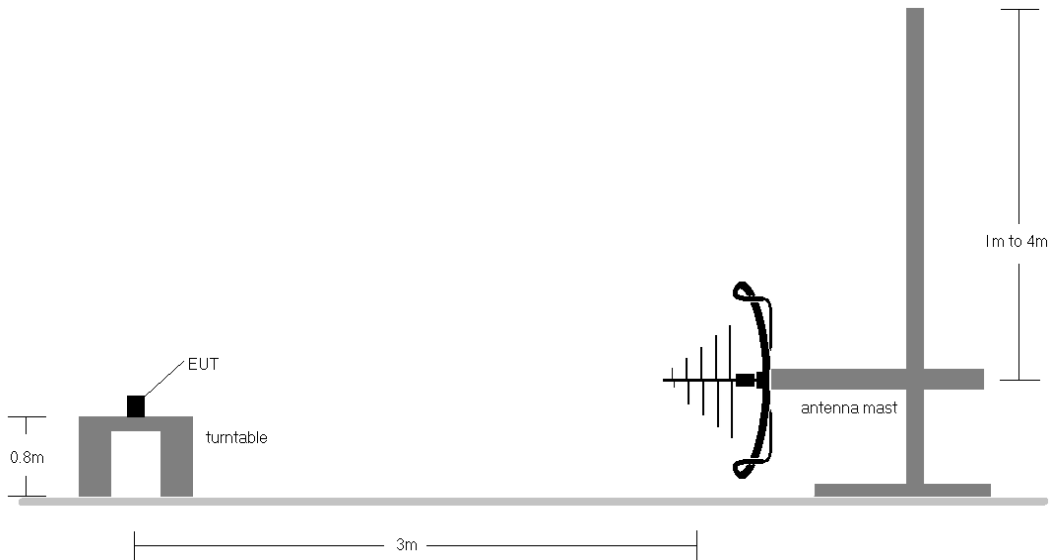
13. Trace was allowed to stabilize

### Test Setup

The EUT and measurement equipment were set up as shown in the diagrams below.



**Figure 7-6. Radiated Test Setup < 30MHz**



**Figure 7-7. Radiated Test Setup < 1GHz**

<b>FCC ID:</b> BCGA2379 <b>IC:</b> 579C-A2379		<b>MEASUREMENT REPORT (CERTIFICATION)</b>		<b>Approved by:</b> Quality Manager
<b>Test Report S/N:</b> 1C2101020005-15-R1.BCG	<b>Test Dates:</b> 12/12/2020 - 03/2/2021	<b>EUT Type:</b> Tablet Device		Page 338 of 348


## Test Notes

1. All emissions lying in restricted bands specified in §15.205 and RSS-Gen (8.10) are below the limit shown in Table 7-192.
2. The broadband receive antenna is manipulated through vertical and horizontal polarizations during the tests. The EUT is manipulated through three orthogonal planes. For below 30MHz the loop antenna was positioned in 3 orthogonal planes (X front, Y side, Z top) to determine the orientation resulting in the worst case emissions.
3. This unit was tested with its standard battery.
4. The spectrum is investigated using a peak detector and final measurements are recorded using CISPR quasi peak detector on emissions that were within 6dB of the limit.
5. Emissions were measured at a 3 meter test distance.
6. Emissions are investigated while operating on the center channel of the mode, band, and modulation that produced the worst case results during the transmitter spurious emissions testing.
7. No spurious emissions were detected within 20dB of the limit below 30MHz.
8. The results recorded using the broadband antenna is known to correlate with the results obtained by using a tuned dipole with an acceptable degree of accuracy. The VSWR for the measurement antenna was found to be less than 2:1.
9. The wide spectrum spurious emissions plots shown on the following pages are used only for the purpose of emission identification. There were no emissions detected in the 30MHz – 1GHz frequency range, as shown in the subsequent plots.
10. Both configurations below were investigated, and the worst case has been reported.
  - a. EUT powered by AC/DC adaptor via USB-C cable with wire charger
  - b. EUT powered by host PC via USB-C cable with wire charger
11. All antenna configurations were investigated and only the worst case is reported.
12. The unit was tested with all possible modes and only the highest emission is reported.

## Sample Calculations

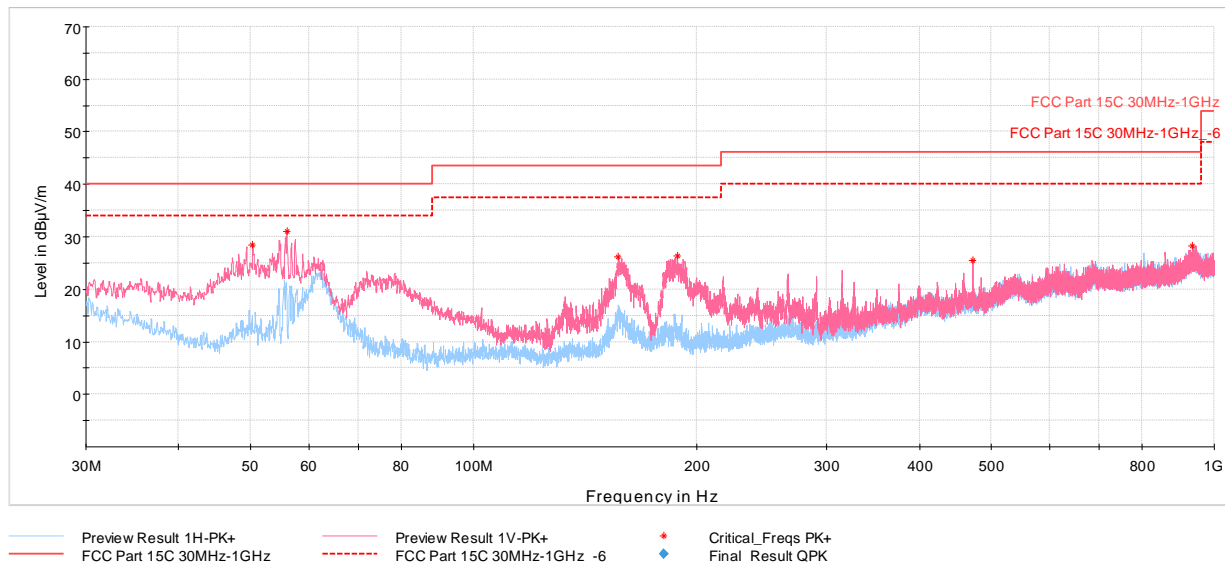
### Determining Spurious Emissions Levels

- Field Strength Level  $[\text{dB}\mu\text{V/m}] = \text{Analyzer Level} [\text{dBm}] + 107 + \text{AFCL} [\text{dB/m}]$
- $\text{AFCL} [\text{dB/m}] = \text{Antenna Factor} [\text{dB/m}] + \text{Cable Loss} [\text{dB}] - \text{Preamp Gain} [\text{dB}]$
- $\text{Margin} [\text{dB}] = \text{Field Strength Level} [\text{dB}\mu\text{V/m}] - \text{Limit} [\text{dB}\mu\text{V/m}]$

<b>FCC ID:</b> BCGA2379 <b>IC:</b> 579C-A2379	 <b>PCTEST</b> Proud to be part of 	<b>MEASUREMENT REPORT (CERTIFICATION)</b>	<b>Approved by:</b> Quality Manager
<b>Test Report S/N:</b> 1C2101020005-15-R1.BCG	<b>Test Dates:</b> 12/12/2020 - 03/2/2021	<b>EUT Type:</b> Tablet Device	Page 339 of 348

## CDD Radiated Spurious Emissions Measurements (Below 1GHz)

**§15.209; RSS-Gen [8.9]**

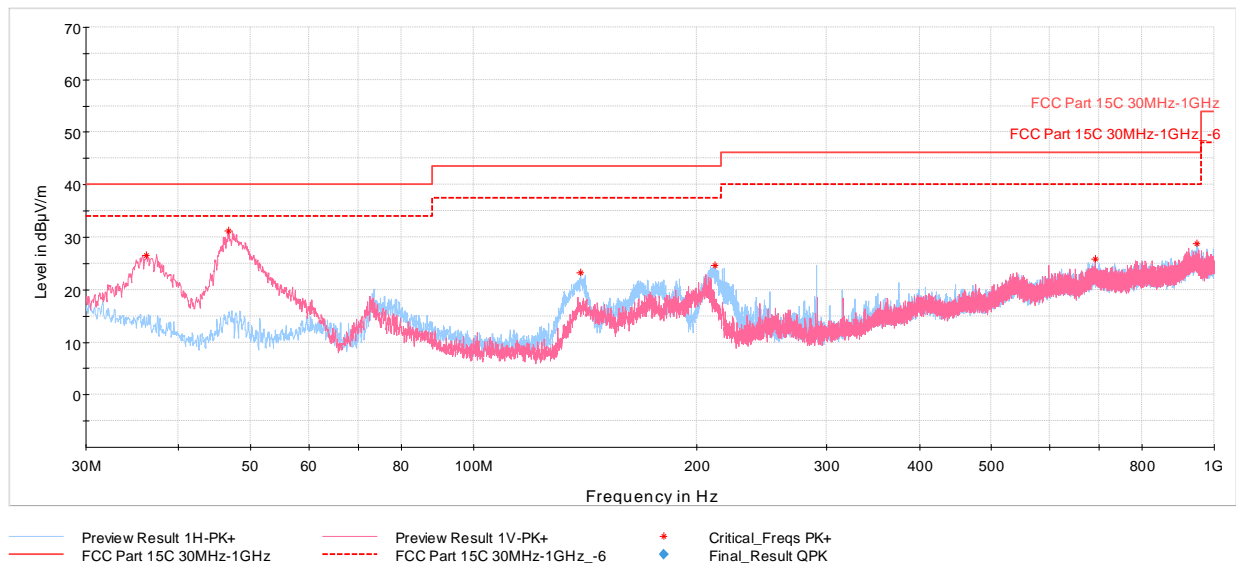


**Plot 7-1103. Radiated Spurious Emissions below 1GHz CDD, 802.11n, Ch.36 with AC/DC Adapter**

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]
50.37	Max Peak	V	100	271	-57.49	-21.03	28.48	40.00	-11.52
56.00	Max Peak	V	250	11	-54.80	-21.05	31.15	40.00	-8.85
157.02	Max Peak	V	100	2	-64.73	-16.05	26.22	43.52	-17.30
188.60	Max Peak	V	100	152	-63.06	-17.58	26.36	43.52	-17.17
471.98	Max Peak	V	100	18	-73.28	-8.19	25.53	46.02	-20.49
934.28	Max Peak	V	250	272	-78.89	0.31	28.42	46.02	-17.60

**Table 7-193. Radiated Spurious Emissions below 1GHz, 802.11n, Ch.36 with AC/DC Adapter**

FCC ID: BCGA2379 IC: 579C-A2379	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020005-15-R1.BCG	Test Dates: 12/12/2020 - 03/2/2021	EUT Type: Tablet Device	Page 340 of 348



**Plot 7-1104. Radiated Spurious Emissions below 1GHz CDD, 802.11ax (SU), Ch.36 with AC/DC Adapter**

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]
36.21	Max Peak	V	100	36	-65.51	-14.88	26.61	40.00	-13.39
46.73	Max Peak	V	100	2	-55.42	-20.21	31.37	40.00	-8.63
139.61	Max Peak	H	250	220	-64.94	-18.68	23.38	43.52	-20.14
212.12	Max Peak	H	100	3	-65.90	-16.44	24.66	43.52	-18.86
690.47	Max Peak	V	100	279	-78.50	-2.56	25.94	46.02	-20.08
946.50	Max Peak	H	100	53	-78.34	0.18	28.84	46.02	-17.18

**Table 7-194. Radiated Spurious Emissions below 1GHz, 802.11ax (SU), Ch.36 with AC/DC Adapter**

FCC ID: BCGA2379 IC: 579C-A2379	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020005-15-R1.BCG	Test Dates: 12/12/2020 - 03/2/2021	EUT Type: Tablet Device	Page 341 of 348

## 7.7 AC Line-Conducted Emissions Measurement

### §15.407; RSS-Gen [8.8]

#### Test Overview and Limit

All AC line conducted spurious emissions are measured with a receiver connected to a grounded LISN while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates and modes were investigated for AC Line conducted spurious emissions. Only the conducted emissions of the configuration that produced the worst case emissions are reported in this section.

***All conducted emissions must not exceed the limits shown in the table below, per Section 15.207 and RSS-Gen (8.8).***

Frequency of emission (MHz)	Conducted Limit (dBμV)	
	Quasi-peak	Average
0.15 – 0.5	66 to 56*	56 to 46*
0.5 – 5	56	46
5 – 30	60	50

**Table 7-195. Conducted Limits**

\*Decreases with the logarithm of the frequency.

#### Test Procedures Used

ANSI C63.10-2013, Section 6.2

#### Test Settings

##### Quasi-Peak Measurements

1. Analyzer center frequency was set to the frequency of the spurious emission of interest
2. RBW = 9kHz (for emissions from 150kHz – 30MHz)
3. Detector = quasi-peak
4. Sweep time = auto couple
5. Trace mode = max hold
6. Trace was allowed to stabilize

##### Average Measurements

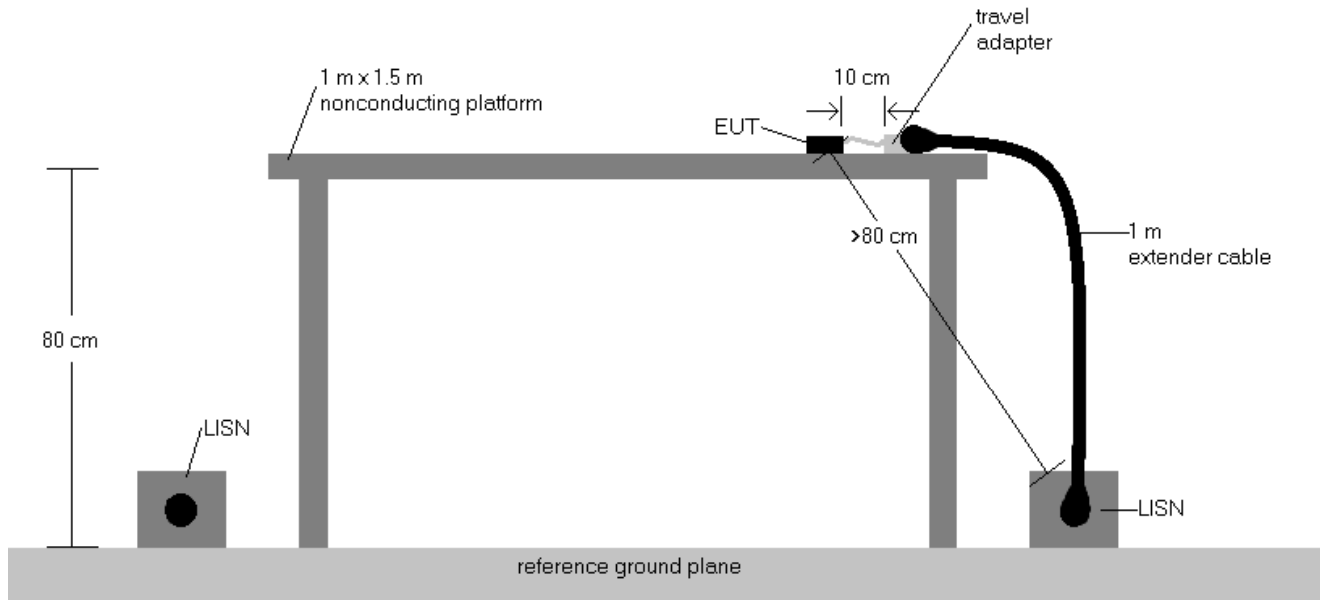
1. Analyzer center frequency was set to the frequency of the spurious emission of interest
2. RBW = 9kHz (for emissions from 150kHz – 30MHz)
3. Detector = RMS
4. Sweep time = auto couple
5. Trace mode = max hold
6. Trace was allowed to stabilize

FCC ID: BCGA2379 IC: 579C-A2379		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020005-15-R1.BCG	Test Dates: 12/12/2020 - 03/2/2021	EUT Type: Tablet Device	Page 342 of 348



## Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

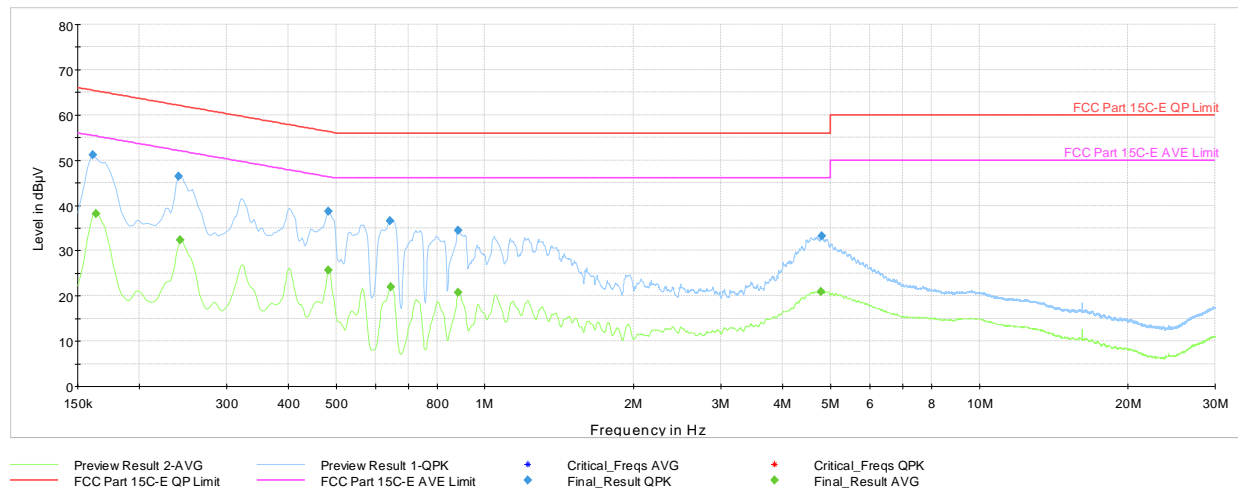


**Figure 7-8. Test Instrument & Measurement Setup**

## Test Notes

- All modes of operation were investigated and the worst-case emissions are reported. The emissions found were not affected by the choice of channel used during testing.
- Both configurations below were investigated, and the worst case has been reported.
  - EUT powered by AC/DC adaptor via USB-C cable with wire charger
  - EUT powered by host PC via USB-C cable with wire charger
- The limit for an intentional radiator from 150kHz to 30MHz are specified in 15.207 and RSS-Gen (8.8).
- $\text{Corr. (dB)} = \text{Cable loss (dB)} + \text{LISN insertion factor (dB)}$
- $\text{QP/AV Level (dB}\mu\text{V)} = \text{QP/AV Analyzer/Receiver Level (dB}\mu\text{V)} + \text{Correction Factor (dB)}$
- $\text{Margin (dB)} = \text{QP/AV Level (dB}\mu\text{V)} - \text{QP/AV Limit (dB}\mu\text{V)}$
- Traces shown in plots are made using quasi-peak and average detectors.
- Deviations to the Specifications: None.
- The unit was tested with all possible modes and only the highest emission is reported.

FCC ID: BCGA2379 IC: 579C-A2379	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020005-15-R1.BCG	Test Dates: 12/12/2020 - 03/2/2021	EUT Type: Tablet Device	Page 343 of 348

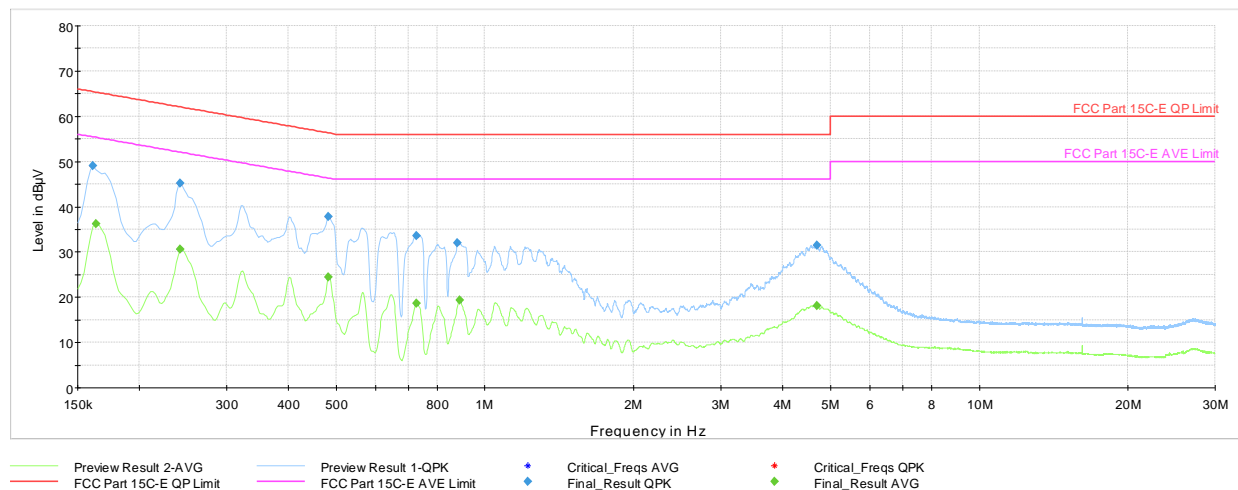


**Plot 7-1105. AC Line Conducted Plot with 802.11n CDD – Ch.40 (L1), with AC/DC adapter**

Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.161	FINAL	51.2	—	65.40	-14.19	L1	GND
0.164	FINAL	—	38.14	55.28	-17.15	L1	GND
0.240	FINAL	46.3	—	62.10	-15.76	L1	GND
0.242	FINAL	—	32.31	52.02	-19.71	L1	GND
0.483	FINAL	—	25.60	46.29	-20.69	L1	GND
0.483	FINAL	38.7	—	56.29	-17.61	L1	GND
0.643	FINAL	36.5	—	56.00	-19.49	L1	GND
0.645	FINAL	—	22.05	46.00	-23.95	L1	GND
0.884	FINAL	34.5	—	56.00	-21.46	L1	GND
0.884	FINAL	—	20.82	46.00	-25.18	L1	GND
4.790	FINAL	—	20.94	46.00	-25.06	L1	GND
4.801	FINAL	33.2	—	56.00	-22.80	L1	GND

**Table 7-196. AC Line Conducted Data with 802.11n CDD – Ch.40 (L1) with AC/DC adapter**

<b>FCC ID:</b> BCGA2379 <b>IC:</b> 579C-A2379		<b>MEASUREMENT REPORT (CERTIFICATION)</b>	<b>Approved by:</b> Quality Manager
<b>Test Report S/N:</b> 1C2101020005-15-R1.BCG	<b>Test Dates:</b> 12/12/2020 - 03/2/2021	<b>EUT Type:</b> Tablet Device	Page 344 of 348

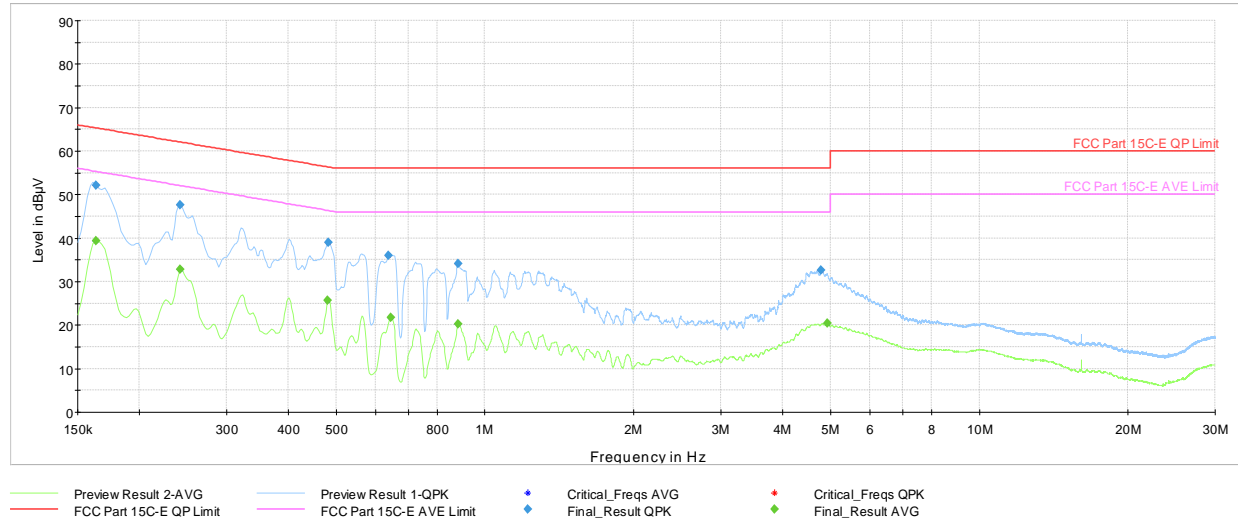


**Plot 7-1106. AC Line Conducted Plot with 802.11n CDD – Ch.40 (N), with AC/DC adapter**

Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.161	FINAL	49.0	—	65.40	-16.40	N	GND
0.164	FINAL	—	36.17	55.28	-19.12	N	GND
0.242	FINAL	—	30.55	52.02	-21.47	N	GND
0.242	FINAL	45.1	—	62.02	-16.88	N	GND
0.483	FINAL	—	24.47	46.29	-21.82	N	GND
0.483	FINAL	37.7	—	56.29	-18.54	N	GND
0.726	FINAL	33.7	—	56.00	-22.35	N	GND
0.726	FINAL	—	18.58	46.00	-27.42	N	GND
0.879	FINAL	32.0	—	56.00	-24.03	N	GND
0.890	FINAL	—	19.34	46.00	-26.66	N	GND
4.704	FINAL	—	18.06	46.00	-27.94	N	GND
4.704	FINAL	31.4	—	56.00	-24.60	N	GND

**Table 7-197. AC Line Conducted Data with 802.11n CDD – Ch.40 (N), with AC/DC adapter**

FCC ID: BCGA2379 IC: 579C-A2379	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020005-15-R1.BCG	Test Dates: 12/12/2020 - 03/2/2021	EUT Type: Tablet Device	Page 345 of 348

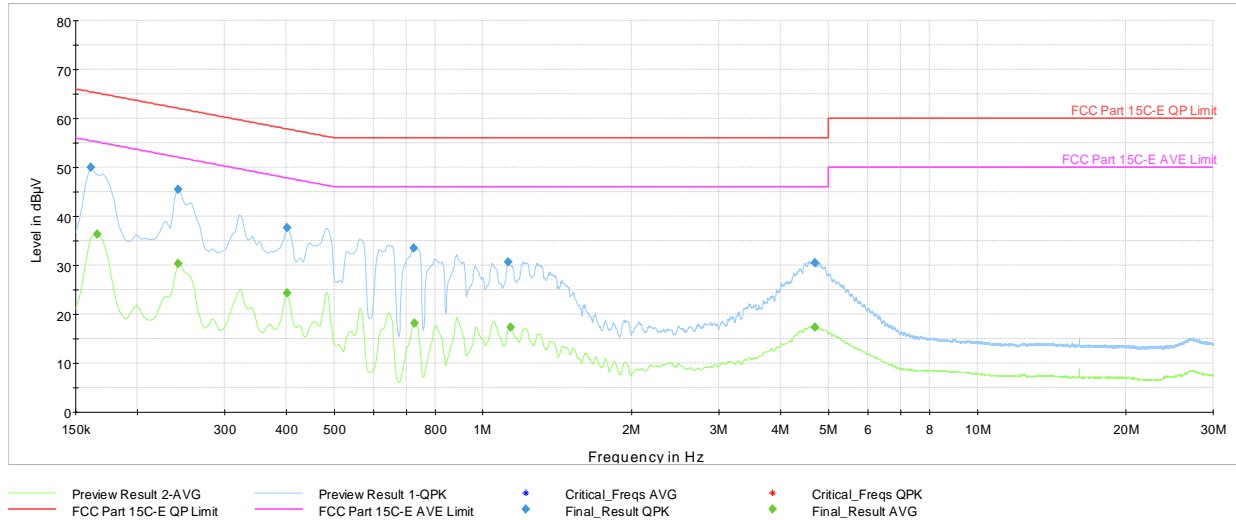


**Plot 7-1107. AC Line Conducted Plot with 802.11ax(SU) CDD – Ch.40 (L1), with AC/DC adapter**

Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.164	FINAL	—	39.32	55.28	-15.97	L1	GND
0.164	FINAL	52.0	—	65.28	-13.25	L1	GND
0.242	FINAL	—	32.73	52.02	-19.29	L1	GND
0.242	FINAL	47.7	—	62.02	-14.32	L1	GND
0.481	FINAL	—	25.60	46.33	-20.72	L1	GND
0.483	FINAL	39.0	—	56.29	-17.25	L1	GND
0.638	FINAL	36.1	—	56.00	-19.94	L1	GND
0.645	FINAL	—	21.78	46.00	-24.22	L1	GND
0.881	FINAL	—	20.28	46.00	-25.72	L1	GND
0.884	FINAL	34.1	—	56.00	-21.94	L1	GND
4.790	FINAL	32.6	—	56.00	-23.38	L1	GND
4.931	FINAL	—	20.45	46.00	-25.55	L1	GND

**Table 7-198. AC Line Conducted Data with 802.11ax(SU) CDD – Ch.40 (L1) with AC/DC adapter**

<b>FCC ID:</b> BCGA2379 <b>IC:</b> 579C-A2379		<b>MEASUREMENT REPORT (CERTIFICATION)</b>	<b>Approved by:</b> Quality Manager
<b>Test Report S/N:</b> 1C2101020005-15-R1.BCG	<b>Test Dates:</b> 12/12/2020 - 03/2/2021	<b>EUT Type:</b> Tablet Device	Page 346 of 348



**Plot 7-1108. AC Line Conducted Plot with 802.11ax(SU) CDD – Ch.40 (N), with AC/DC adapter**


Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.161	FINAL	50.0	—	65.40	-15.42	N	GND
0.166	FINAL	—	36.33	55.17	-18.84	N	GND
0.242	FINAL	—	30.34	52.02	-21.67	N	GND
0.242	FINAL	45.5	—	62.02	-16.48	N	GND
0.402	FINAL	—	24.25	47.81	-23.56	N	GND
0.402	FINAL	37.7	—	57.81	-20.09	N	GND
0.724	FINAL	33.5	—	56.00	-22.46	N	GND
0.728	FINAL	—	18.23	46.00	-27.77	N	GND
1.127	FINAL	30.7	—	56.00	-25.29	N	GND
1.136	FINAL	—	17.35	46.00	-28.65	N	GND
4.691	FINAL	30.5	—	56.00	-25.53	N	GND
4.695	FINAL	—	17.28	46.00	-28.72	N	GND

**Table 7-199. AC Line Conducted Data with 802.11ax(SU) CDD – Ch.40 (N), with AC/DC adapter**

<b>FCC ID:</b> BCGA2379 <b>IC:</b> 579C-A2379		<b>MEASUREMENT REPORT (CERTIFICATION)</b>	<b>Approved by:</b> Quality Manager
<b>Test Report S/N:</b> 1C2101020005-15-R1.BCG	<b>Test Dates:</b> 12/12/2020 - 03/2/2021	<b>EUT Type:</b> Tablet Device	Page 347 of 348

## 8.0 CONCLUSION

The data collected relate only the item(s) tested and show that the **Apple Tablet Device FCC ID: BCGA2379** and **IC: 579C-A2379** is in compliance with Part 15 Subpart E (15.407) of the FCC Rules and RSS-247 of the Innovation, Science and Economic Development Canada Rules.

<b>FCC ID:</b> BCGA2379 <b>IC:</b> 579C-A2379	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>		<b>Approved by:</b> Quality Manager
<b>Test Report S/N:</b> 1C2101020005-15-R1.BCG	<b>Test Dates:</b> 12/12/2020 - 03/2/2021	<b>EUT Type:</b> Tablet Device	Page 348 of 348