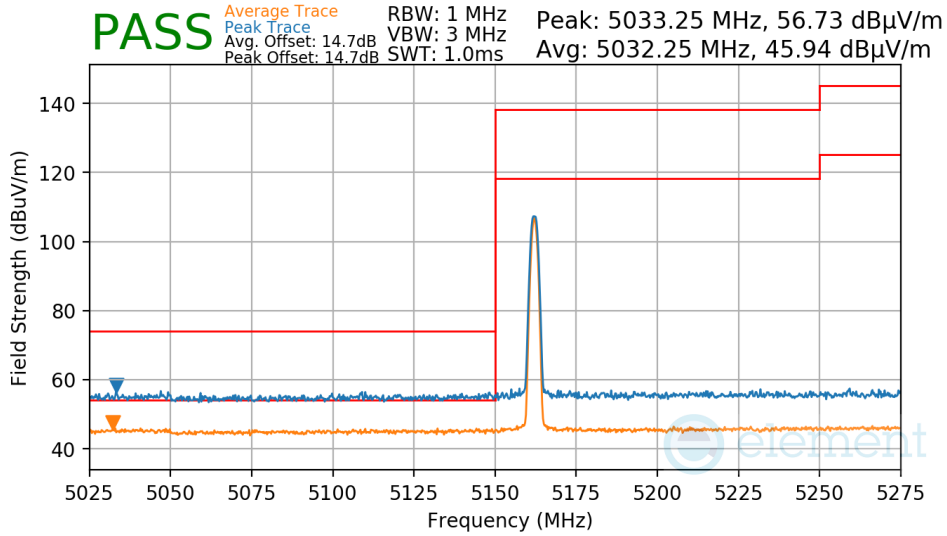
Radiated Band Edge Measurements
§15.407(b.1)(b.2) §15.205 §15.209

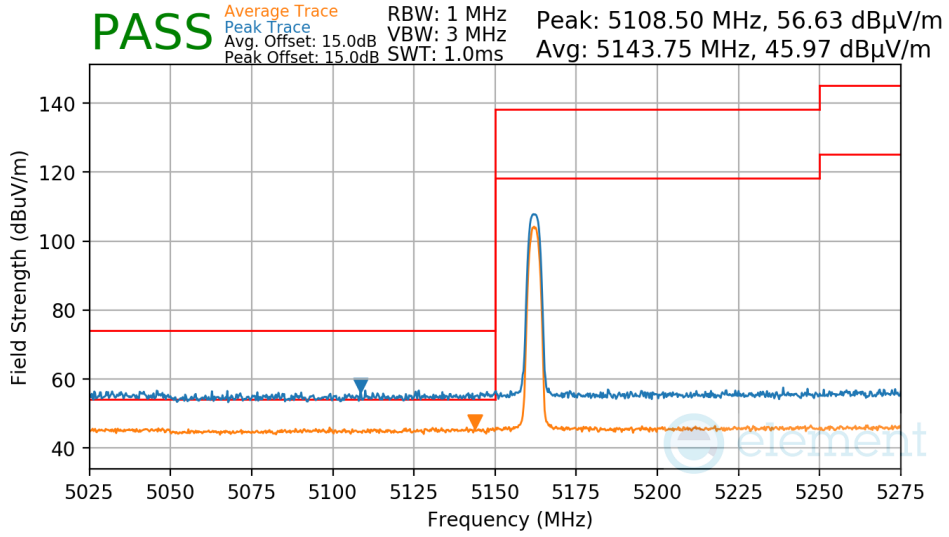
Antenna WF7b

Mode:	BDR
Power Scheme:	ePA
Measurement Distance:	3 Meters
Operating Frequency:	5162MHz



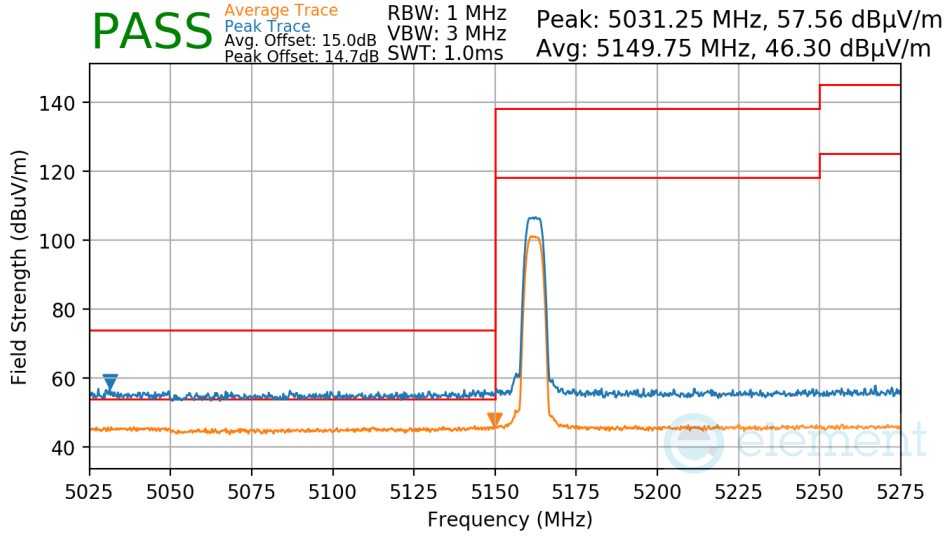
Plot 7-125. Radiated Lower Band Edge Measurement Antenna WF7b

Mode:	HDR4
Power Scheme:	ePA
Measurement Distance:	3 Meters
Operating Frequency:	5162MHz



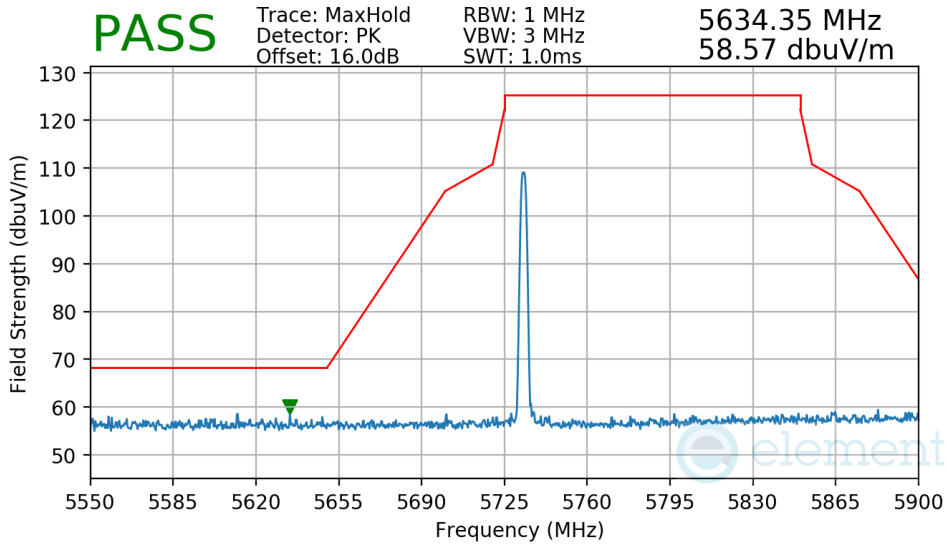
Plot 7-126. Radiated Lower Band Edge Measurement Antenna WF7b

Mode:	HDR8
Power Scheme:	ePA
Measurement Distance:	3 Meters
Operating Frequency:	5162MHz



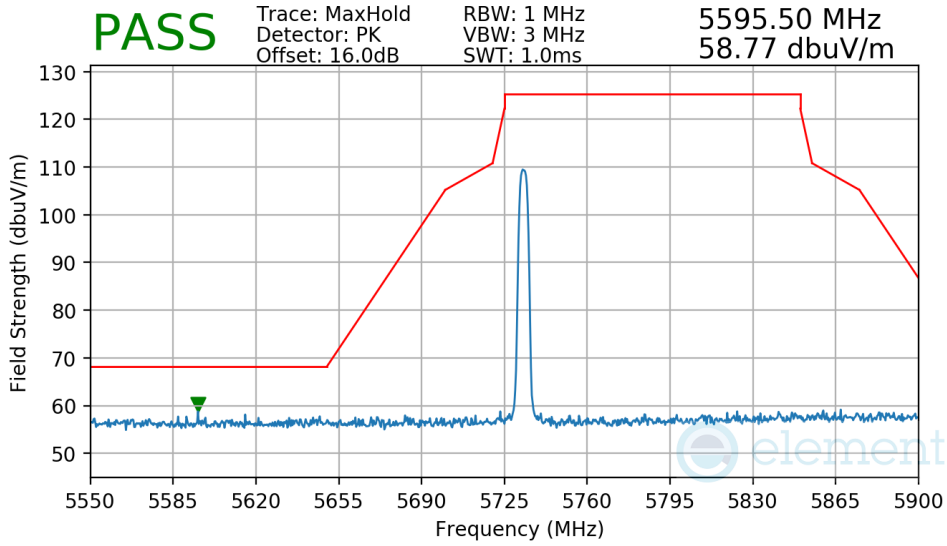
Plot 7-127. Radiated Lower Band Edge Measurement Antenna WF7b

Mode:	BDR
Power Scheme:	ePA
Measurement Distance:	3 Meters
Operating Frequency:	5733MHz



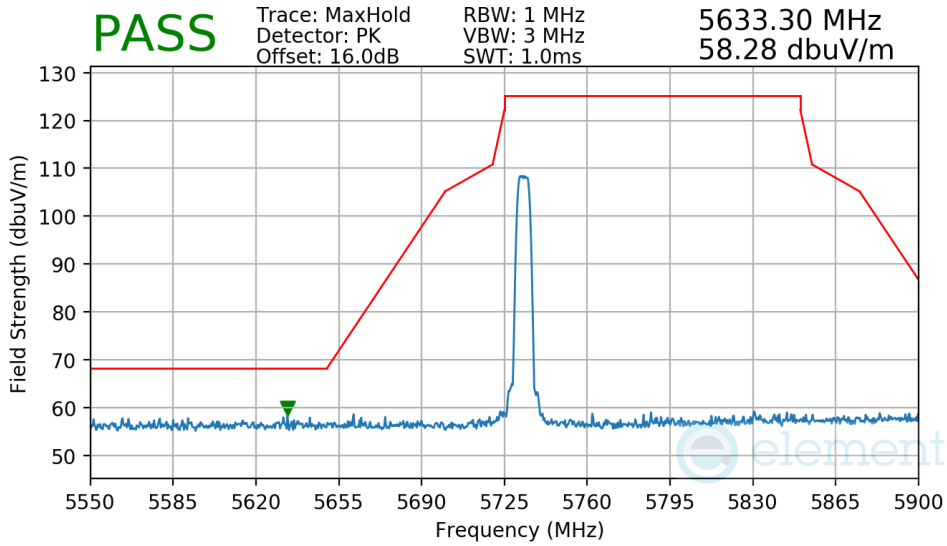
Plot 7-128. Radiated Lower Band Edge Measurement Antenna WF7b

Mode:	HDR4
Power Scheme:	ePA
Measurement Distance:	3 Meters
Operating Frequency:	5733MHz



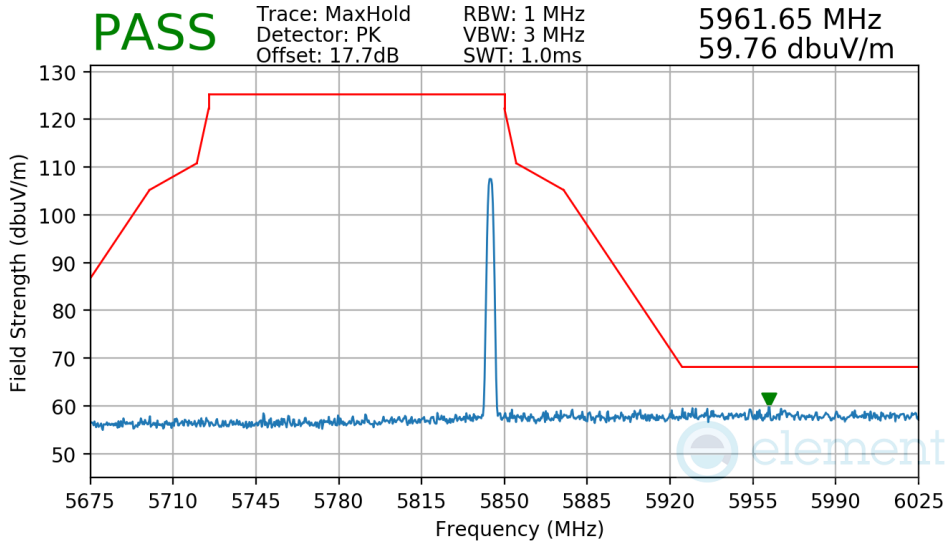
Plot 7-129. Radiated Lower Band Edge Measurement Antenna WF7b

Mode:	HDR8
Power Scheme:	ePA
Measurement Distance:	3 Meters
Operating Frequency:	5733MHz



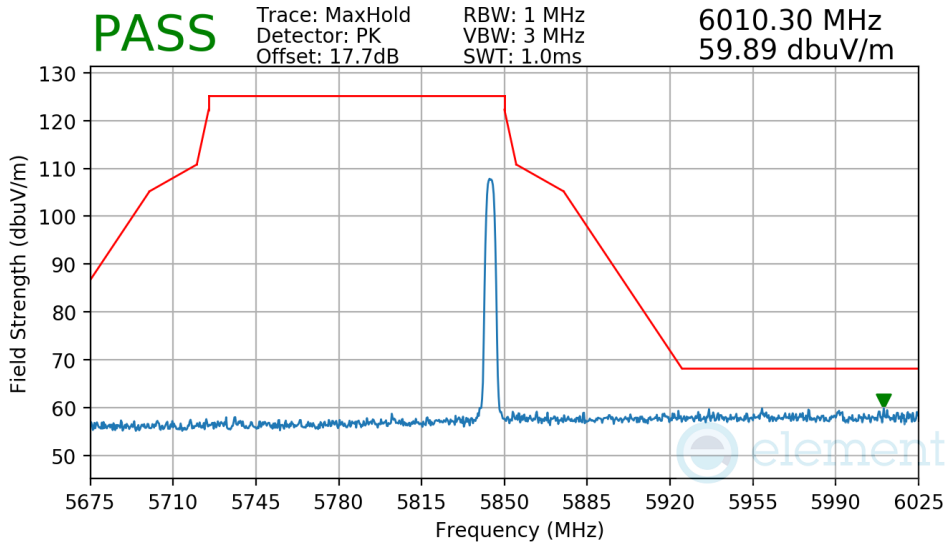
Plot 7-130. Radiated Lower Band Edge Measurement Antenna WF7b

Mode:	BDR
Power Scheme:	ePA
Measurement Distance:	3 Meters
Operating Frequency:	5844MHz



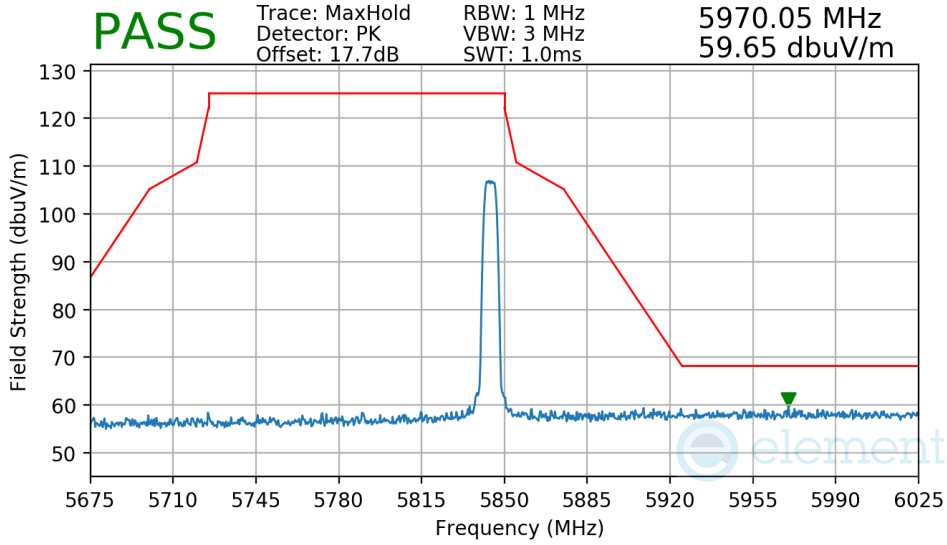
Plot 7-131. Radiated Upper Band Edge Measurement Antenna WF7b

Mode:	HDR4
Power Scheme:	ePA
Measurement Distance:	3 Meters
Operating Frequency:	5844MHz



Plot 7-132. Radiated Upper Band Edge Measurement Antenna WF7b

Mode:	HDR8
Power Scheme:	ePA
Measurement Distance:	3 Meters
Operating Frequency:	5844MHz



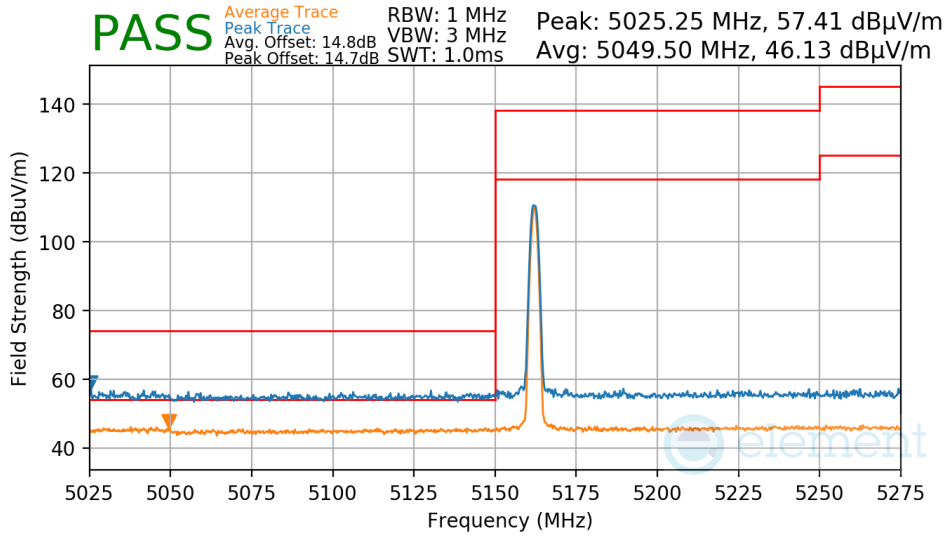
Plot 7-133. Radiated Upper Band Edge Measurement Antenna WF7b

Radiated Band Edge Measurements

§15.407(b.1)(b.2) §15.205 §15.209

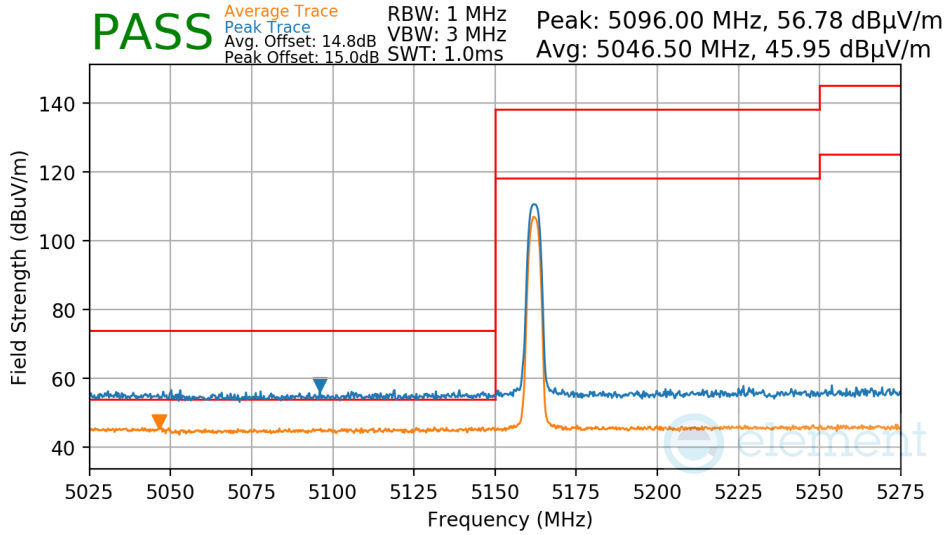
TxBF

Mode:	BDR
Power Scheme:	ePA
Measurement Distance:	3 Meters
Operating Frequency:	5162MHz



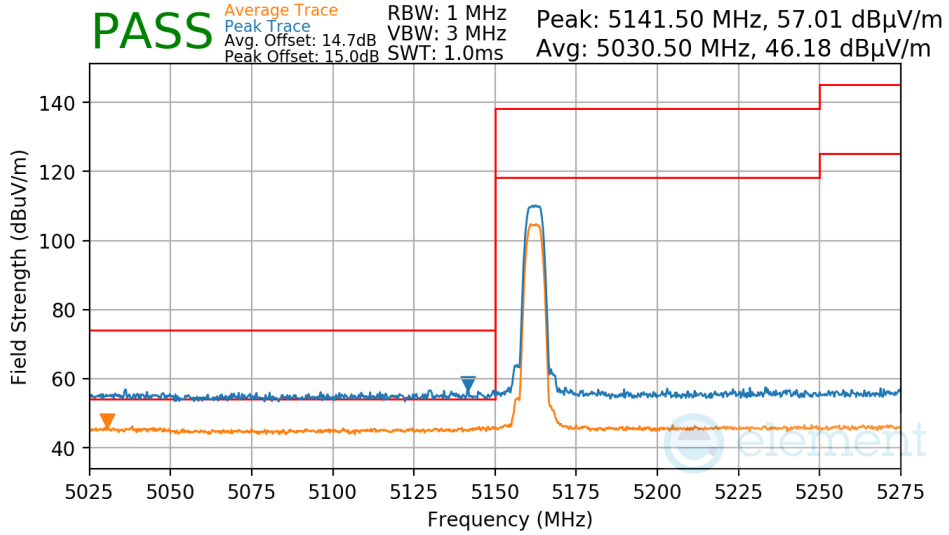
Plot 7-134. Radiated Lower Band Edge Measurement TxBF

Mode:	HDR4
Power Scheme:	ePA
Measurement Distance:	3 Meters
Operating Frequency:	5162MHz



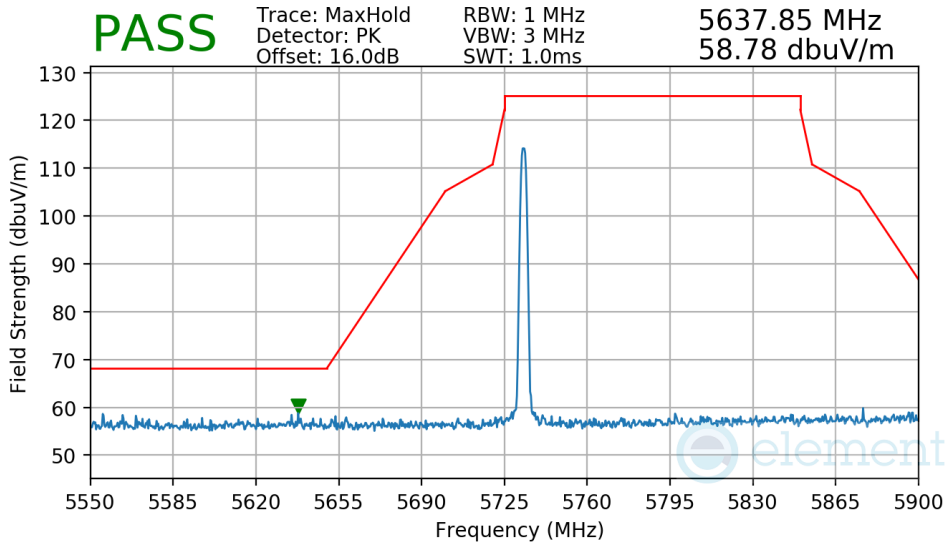
Plot 7-135. Radiated Lower Band Edge Measurement TxBF

Mode:	HDR8
Power Scheme:	ePA
Measurement Distance:	3 Meters
Operating Frequency:	5162MHz



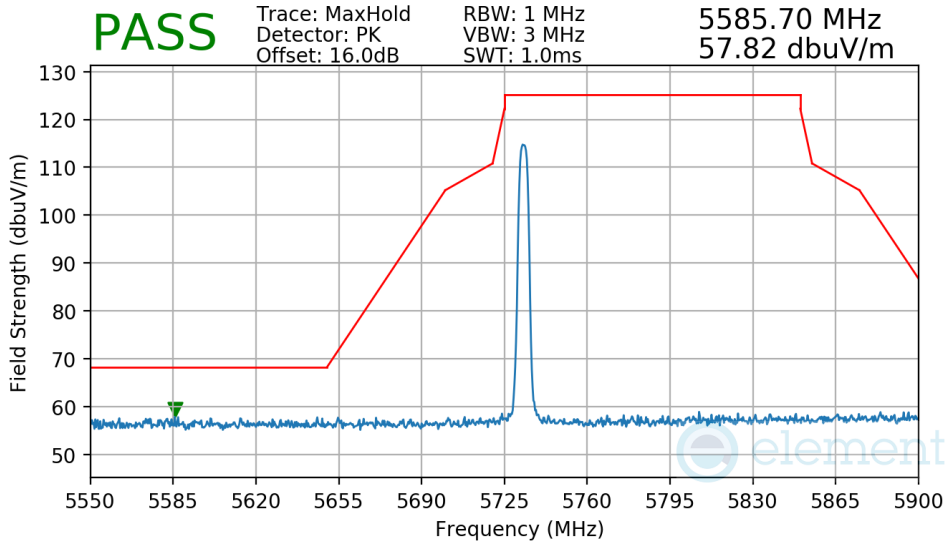
Plot 7-136. Radiated Lower Band Edge Measurement TxBF

Mode:	BDR
Power Scheme:	ePA
Measurement Distance:	3 Meters
Operating Frequency:	5733MHz



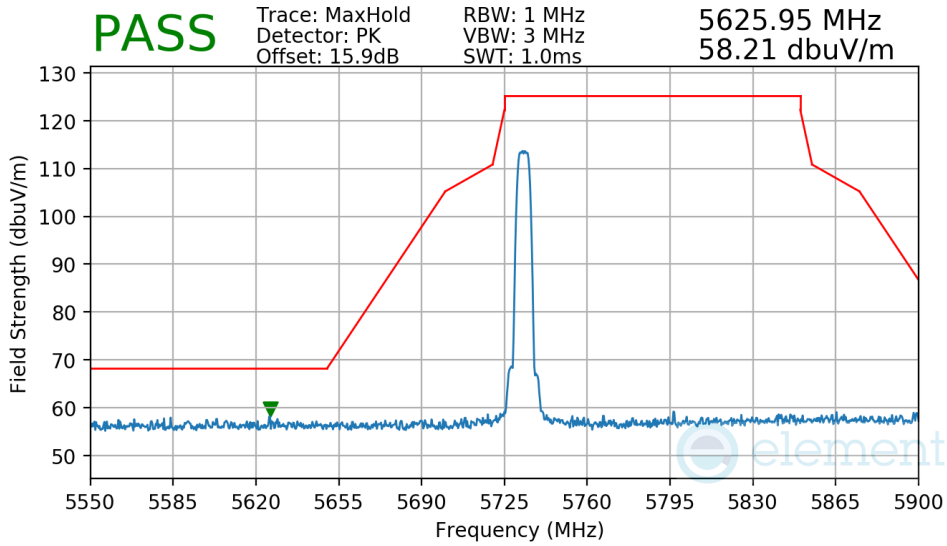
Plot 7-137. Radiated Lower Band Edge Measurement TxBF

Mode:	HDR4
Power Scheme:	ePA
Measurement Distance:	3 Meters
Operating Frequency:	5733MHz



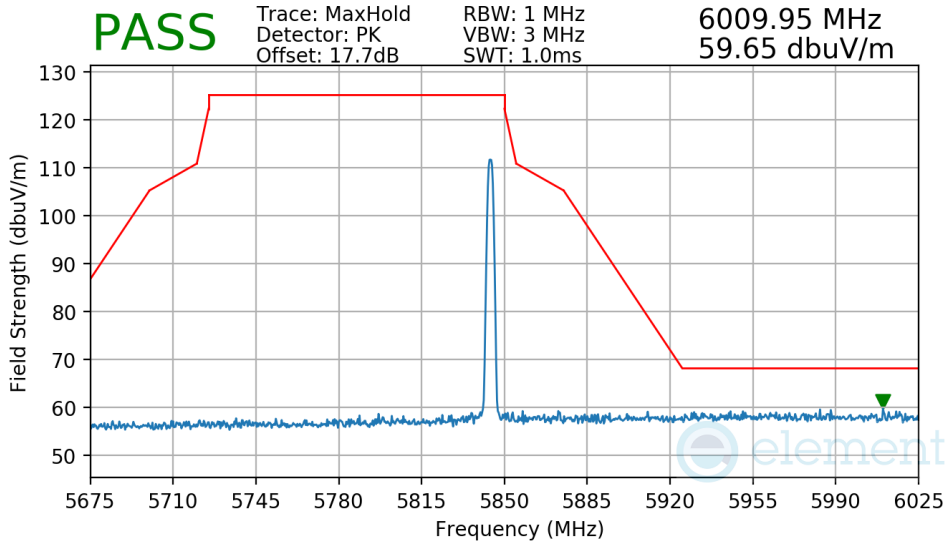
Plot 7-138. Radiated Lower Band Edge Measurement TxBF

Mode:	HDR8
Power Scheme:	ePA
Measurement Distance:	3 Meters
Operating Frequency:	5733MHz



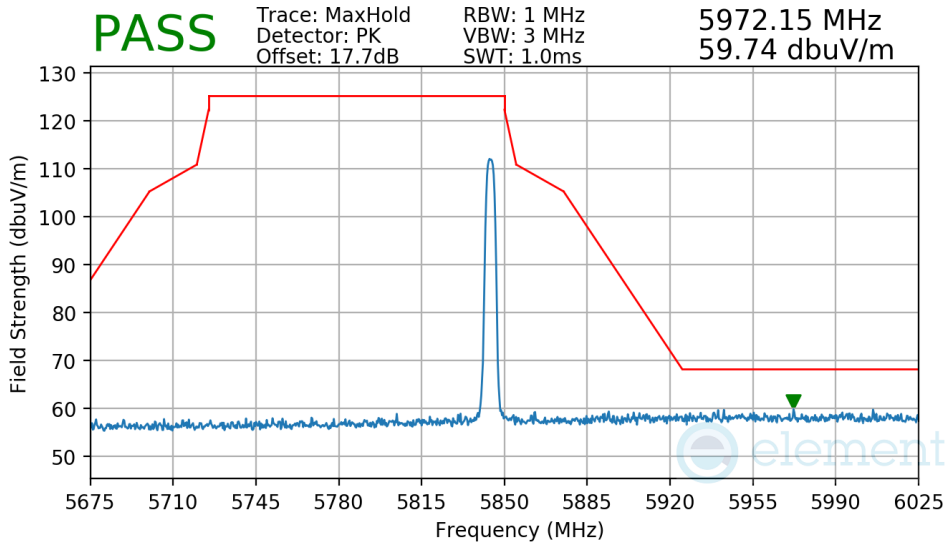
Plot 7-139. Radiated Lower Band Edge Measurement TxBF

Mode:	BDR
Power Scheme:	ePA
Measurement Distance:	3 Meters
Operating Frequency:	5844MHz



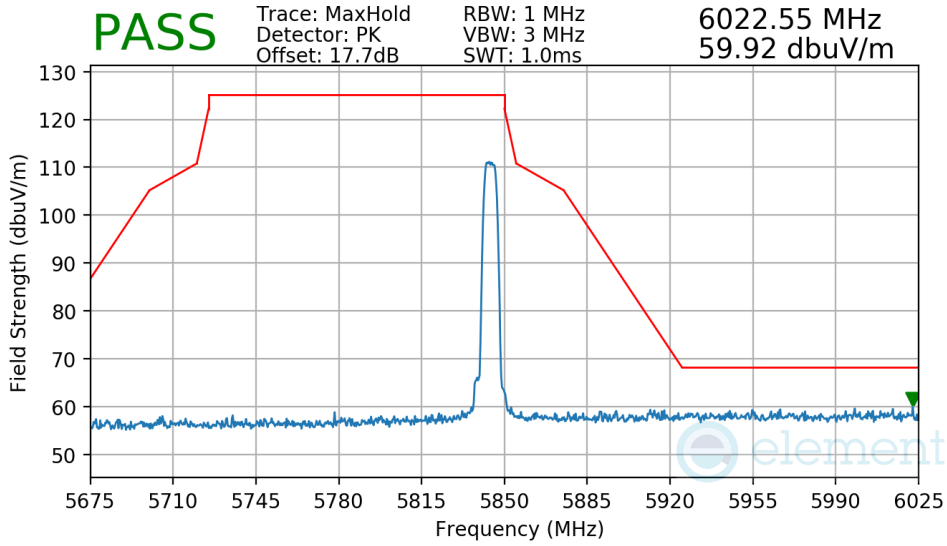
Plot 7-140. Radiated Upper Band Edge Measurement TxBF

Mode:	HDR4
Power Scheme:	ePA
Measurement Distance:	3 Meters
Operating Frequency:	5844MHz



Plot 7-141. Radiated Upper Band Edge Measurement TxBF

Mode:	HDR8
Power Scheme:	ePA
Measurement Distance:	3 Meters
Operating Frequency:	5844MHz



Plot 7-142. Radiated Upper Band Edge Measurement TxBF

7.7 Radiated Spurious Emissions – Below 1GHz

§15.209

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 must not exceed the limits shown in Table 7-45 per Section 15.209.

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 7-45. Radiated Limits

Test Procedures Used

ANSI C63.10-2020

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

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. VBW = 300kHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

Test Setup

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

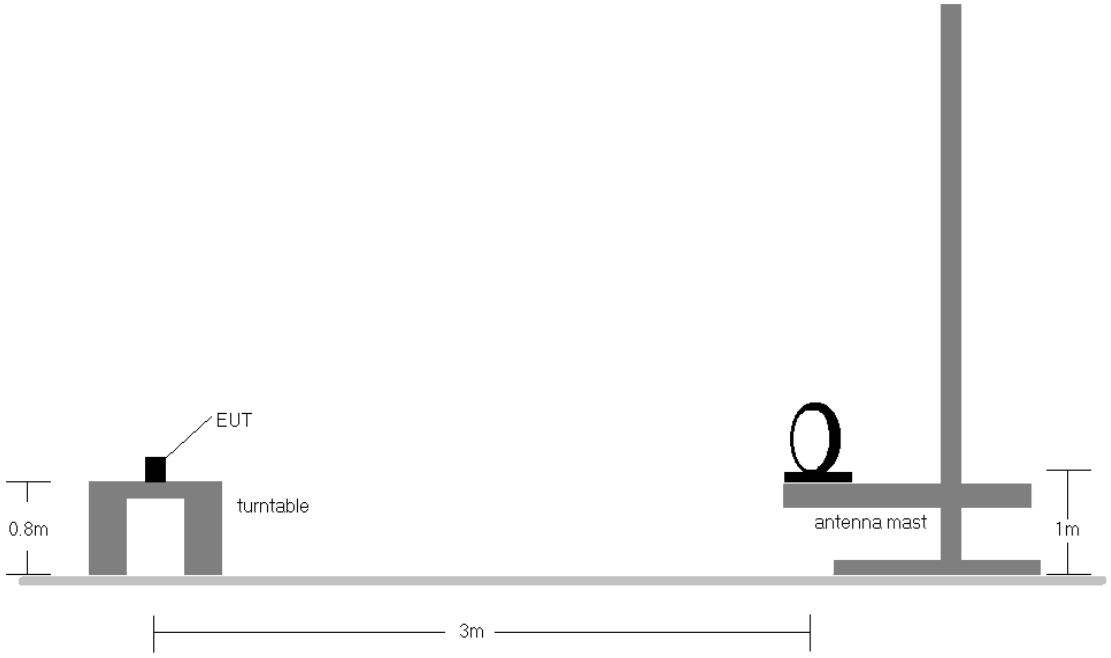


Figure 7-6. Radiated Test Setup < 30MHz

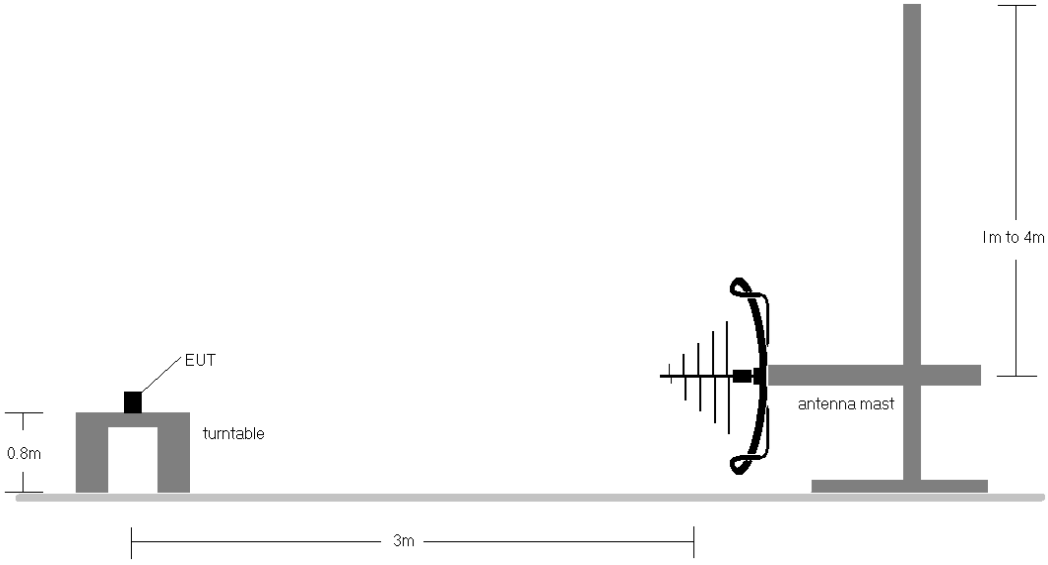


Figure 7-7. Radiated Test Setup < 1GHz

Test Notes

1. All emissions lying in restricted bands specified in §15.205 are below the limit shown in Table 7-45.
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 for emissions 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. Dedicated antenna does not support TxBF configuration.
10. All supported antenna configurations, modulations and power schemes have been tested on the unit and only the worst case per antenna is reported.
11. Both configurations below were investigated, and the worst case has been reported.
    a. EUT powered by AC/DC adaptor to USB-C cable with wire charger
    b. EUT powered by host PC via USB-C cable with wire charger

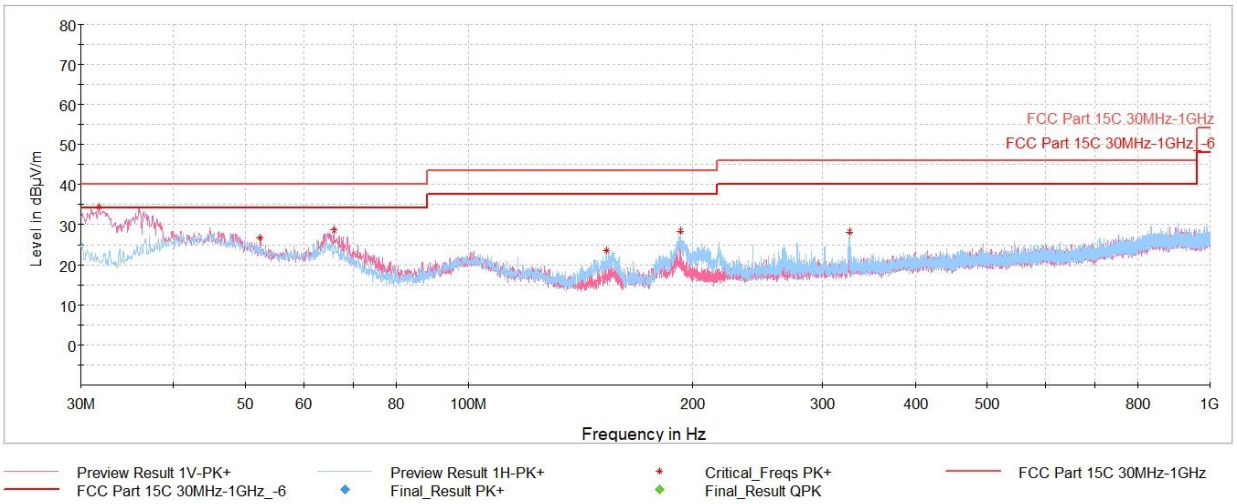
Sample Calculations

Determining Spurious Emissions Levels

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

Radiated Spurious Emissions (Below 1GHz)

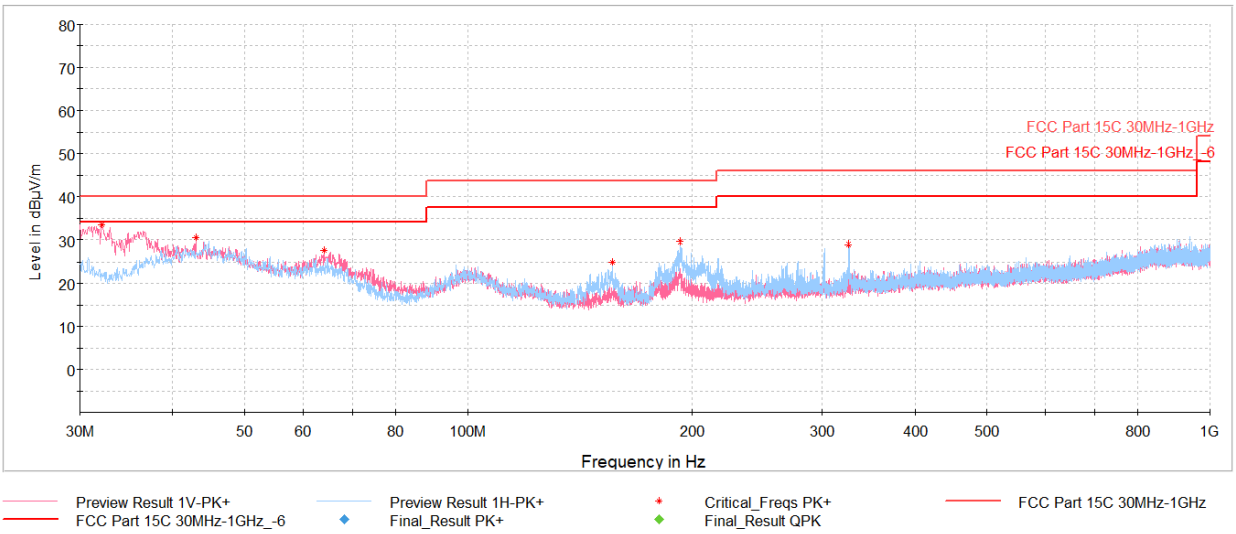
§15.209



Plot 7-143. Radiated Spurious Emissions Below 1GHz TxBF (NB UNII BDR, ePA – 5245MHz), 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]
31.75	Quasi-Peak	V	100	218	-58.44	-18.55	30.01	40.00	-9.99
52.41	Max Peak	V	100	75	-65.81	-14.35	26.84	40.00	-13.16
65.89	Max Peak	V	100	125	-60.77	-17.60	28.63	40.00	-11.37
153.14	Max Peak	H	200	149	-63.98	-19.37	23.65	43.52	-19.87
193.11	Max Peak	H	100	190	-62.39	-16.15	28.46	43.52	-15.06
326.09	Max Peak	H	100	19	-66.33	-12.47	28.20	46.02	-17.82

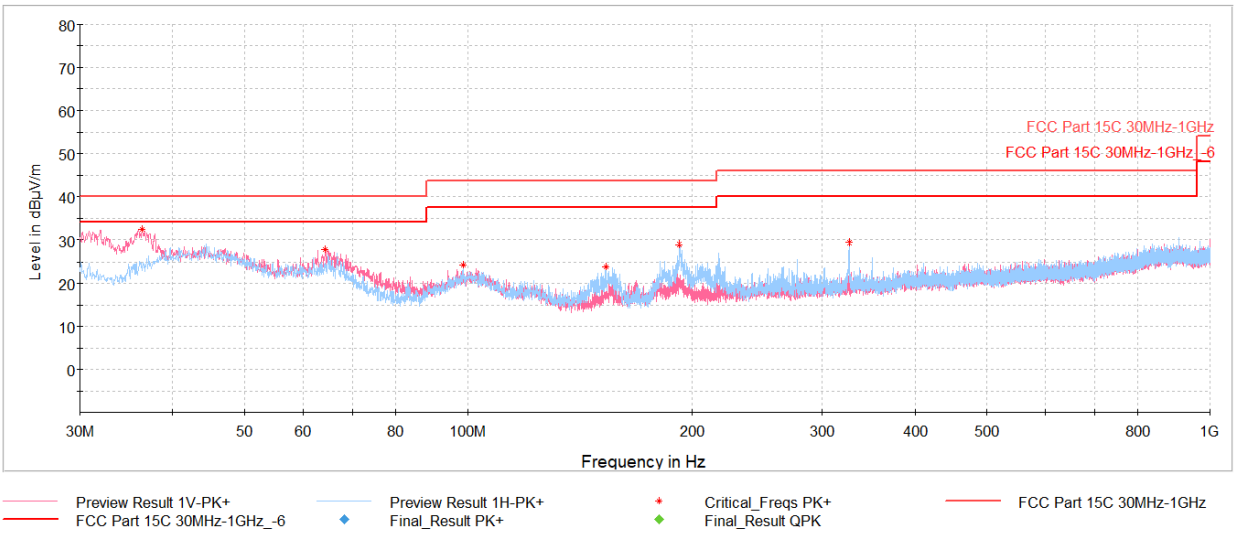
Table 7-46. Radiated Spurious Emissions Below 1GHz TxBF (NB UNII BDR, ePA – 5245MHz), with AC/DC Adapter



Plot 7-144. Radiated Spurious Emissions Below 1GHz TxBF (NB UNII BDR, ePA – 5844MHz), 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]
32.09	Max Peak	V	100	278	-55.12	-18.53	33.35	40.00	-6.65
43.05	Max Peak	V	100	69	-61.63	-14.92	30.45	40.00	-9.55
64.10	Max Peak	V	100	18	-62.39	-16.98	27.63	40.00	-12.37
156.34	Max Peak	H	200	17	-62.92	-19.22	24.86	43.52	-18.66
193.11	Max Peak	H	100	202	-61.38	-16.15	29.47	43.52	-14.05
325.95	Max Peak	H	100	264	-65.59	-12.48	28.93	46.02	-17.09

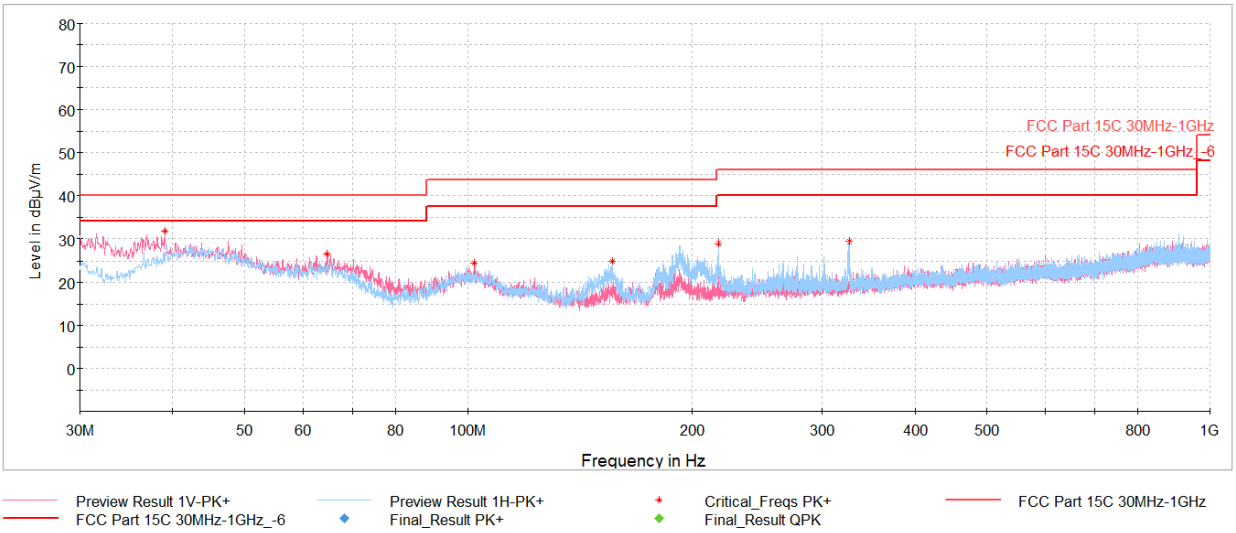
Table 7-47. Radiated Spurious Emissions Below 1GHz TxBF (NB UNII BDR, ePA – 5844MHz), with AC/DC Adapter



Plot 7-145. Radiated Spurious Emissions Below 1GHz TxBF (NB UNII HDR4, ePA – 5245MHz), 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]
36.35	Max Peak	V	100	229	-57.51	-17.08	32.41	40.00	-7.59
64.24	Max Peak	V	200	311	-62.06	-17.04	27.90	40.00	-12.10
98.63	Max Peak	H	100	116	-66.12	-16.68	24.20	43.52	-19.32
153.14	Max Peak	H	200	152	-63.70	-19.37	23.93	43.52	-19.59
192.62	Max Peak	H	100	216	-61.90	-16.20	28.90	43.52	-14.62
326.09	Max Peak	H	100	260	-65.24	-12.47	29.29	46.02	-16.73

Table 7-48. Radiated Spurious Emissions Below 1GHz TxBF (NB UNII HDR4, ePA – 5245MHz), with AC/DC Adapter



Plot 7-146. Radiated Spurious Emissions Below 1GHz TxBF (NB UNII HDR4, ePA – 5844MHz), 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]
39.02	Max Peak	V	100	322	-59.10	-16.16	31.74	40.00	-8.26
64.68	Max Peak	V	200	281	-63.22	-17.21	26.57	40.00	-13.43
102.22	Max Peak	V	300	17	-66.12	-16.41	24.47	43.52	-19.05
156.34	Max Peak	H	200	175	-62.79	-19.22	24.99	43.52	-18.53
217.16	Max Peak	H	100	114	-62.09	-15.94	28.97	46.02	-17.05
326.00	Max Peak	H	100	268	-65.24	-12.48	29.28	46.02	-16.74

Table 7-49. Radiated Spurious Emissions Below 1GHz TxBF (NB UNII HDR4, ePA – 5844MHz), with AC/DC Adapter

7.8 AC Line Conducted Emissions Measurement

§15.207

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. All data rates and modes were investigated for AC Line conducted spurious emissions.

All conducted emissions must not exceed the limits shown in the table below, per Section 15.207.

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 7-50. Conducted Limits

*Decreases with the logarithm of the frequency.

Test Procedures Used

ANSI C63.10-2020, 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

Test Setup

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

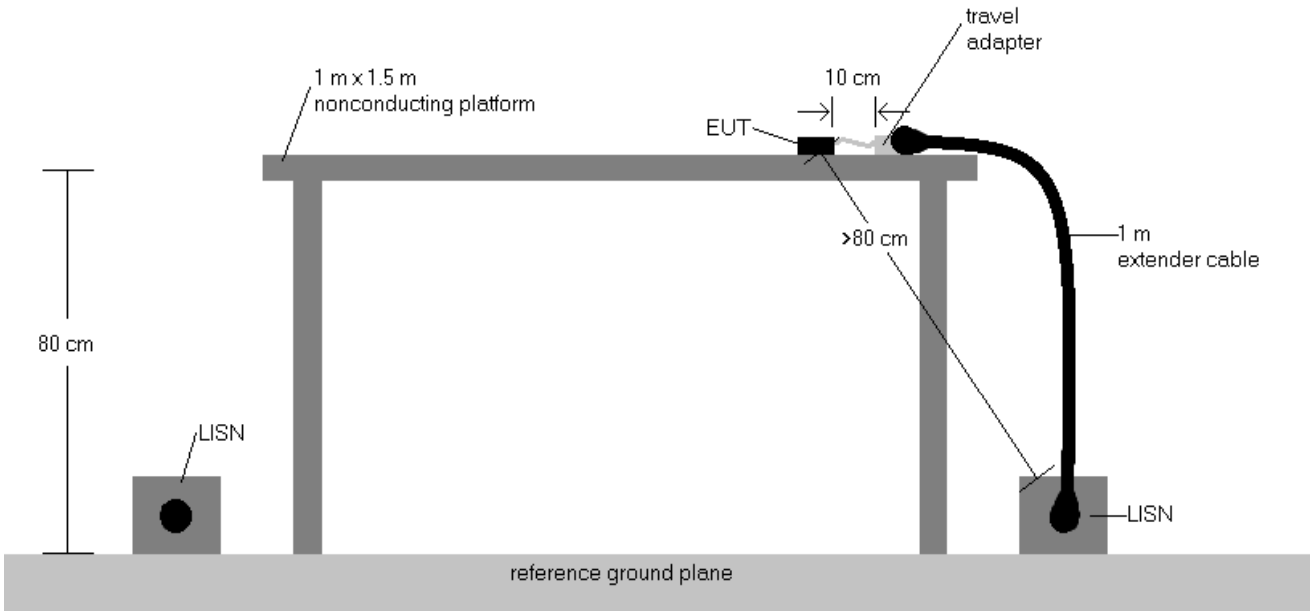
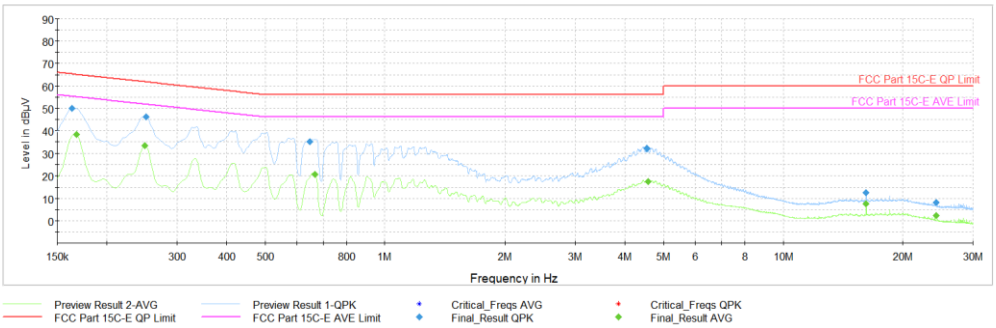


Figure 7-8. Test Instrument & Measurement Setup

Test Notes

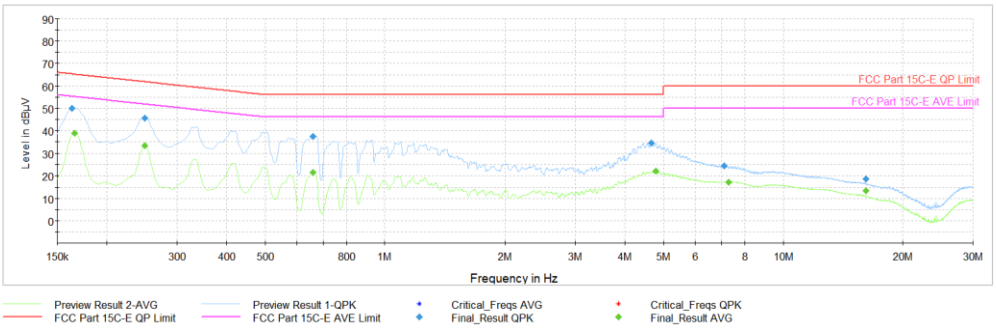
1. All modes of operation were investigated and the worst-case emissions are reported. The emissions found were not affected by the choice of channel used during testing.
2. Both configurations below were investigated, and the worst case has been reported.
    a. EUT powered by AC/DC adaptor to USB-C cable with wire charger
    b. EUT powered by host PC via USB-C cable with wire charger
3. The limit for an intentional radiator from 150kHz to 30MHz are specified in 15.207.
4. Corr. (dB) = Cable loss (dB) + LISN insertion factor (dB)
5. QP/AV Level (dBμV) = QP/AV Analyzer/Receiver Level (dBμV) + Correction Factor (dB)
6. Margin (dB) = QP/AV Level (dBμV) - QP/AV Limit (dBμV)
7. Traces shown in plots are made using quasi-peak and average detectors.
8. Deviations to the Specifications: None.



Plot 7-147. AC Line Conducted Plot TxBF (NB UNII BDR, ePA – 5245MHz) (L1) with AC/DC adaptor to USB-C cable with wire charger

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.164	FINAL	49.8	—	65.28	-15.45	L1	GND
0.168	FINAL	—	38.38	55.06	-16.68	L1	GND
0.249	FINAL	—	33.34	51.79	-18.45	L1	GND
0.251	FINAL	46.0	—	61.72	-15.69	L1	GND
0.647	FINAL	35.1	—	56.00	-20.94	L1	GND
0.668	FINAL	—	20.79	46.00	-25.21	L1	GND
4.540	FINAL	32.2	—	56.00	-23.81	L1	GND
4.569	FINAL	—	17.52	46.00	-28.48	L1	GND
16.175	FINAL	12.5	—	60.00	-47.53	L1	GND
16.175	FINAL	—	7.46	50.00	-42.54	L1	GND
24.261	FINAL	8.3	—	60.00	-51.73	L1	GND
24.263	FINAL	—	2.14	50.00	-47.86	L1	GND

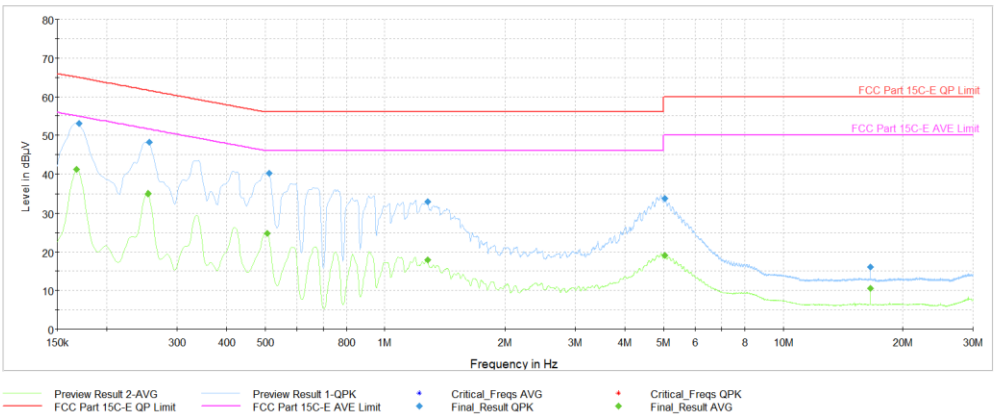
Table 7-51. AC Line Conducted Data TxBF (NB UNII BDR, ePA– 5245MHz) (L1) with AC/DC adaptor to USB-C cable with wire charger



Plot 7-148. AC Line Conducted Plot TxBF (NB UNII BDR, ePA – 5245MHz) (N) with AC/DC adaptor to USB-C cable with wire charger

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.164	FINAL	50.0	—	65.28	-15.27	N	GND
0.166	FINAL	—	38.97	55.17	-16.20	N	GND
0.249	FINAL	—	33.15	51.79	-18.64	N	GND
0.249	FINAL	45.6	—	61.79	-16.23	N	GND
0.661	FINAL	—	21.50	46.00	-24.50	N	GND
0.661	FINAL	37.2	—	56.00	-18.76	N	GND
4.659	FINAL	34.5	—	56.00	-21.53	N	GND
4.785	FINAL	—	22.10	46.00	-23.90	N	GND
7.116	FINAL	24.4	—	60.00	-35.57	N	GND
7.303	FINAL	—	17.25	50.00	-32.75	N	GND
16.163	FINAL	—	13.54	50.00	-36.46	N	GND
16.163	FINAL	18.8	—	60.00	-41.22	N	GND

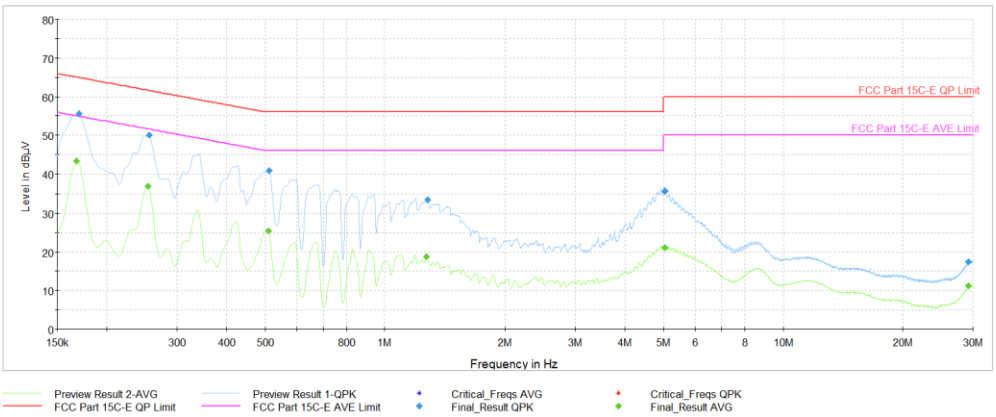
Table 7-52. AC Line Conducted Data TxBF (NB UNII BDR, ePA – 5245MHz) (N) with AC/DC adaptor to USB-C cable with wire charger



Plot 7-149. AC Line Conducted Plot TxBF (NB UNII BDR, ePA – 5844MHz) (L1) with AC/DC adaptor to USB-C cable with wire charger

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.168	FINAL	—	41.16	55.06	-13.90	L1	GND
0.170	FINAL	53.1	—	64.95	-11.82	L1	GND
0.254	FINAL	—	34.94	51.64	-16.70	L1	GND
0.256	FINAL	48.2	—	61.57	-13.40	L1	GND
0.506	FINAL	—	24.72	46.00	-21.28	L1	GND
0.512	FINAL	40.2	—	56.00	-15.83	L1	GND
1.280	FINAL	—	17.88	46.00	-28.12	L1	GND
1.284	FINAL	33.0	—	56.00	-23.02	L1	GND
5.044	FINAL	—	19.07	50.00	-30.93	L1	GND
5.046	FINAL	33.8	—	60.00	-26.24	L1	GND
16.575	FINAL	—	10.49	50.00	-39.51	L1	GND
16.575	FINAL	16.0	—	60.00	-43.99	L1	GND

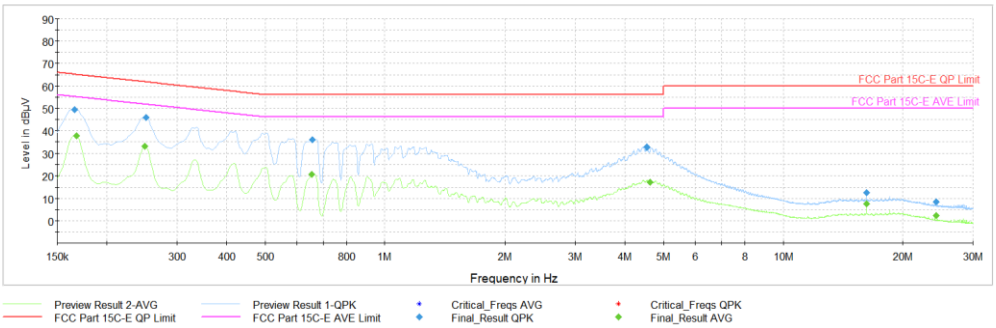
Table 7-53. AC Line Conducted Data TxBF (NB UNII BDR, ePA– 5844MHz) (L1) with AC/DC adaptor to USB-C cable with wire charger



Plot 7-150. AC Line Conducted Plot TxBF (NB UNII BDR, ePA – 5844MHz) (N) with AC/DC adaptor to USB-C cable with wire charger

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.168	FINAL	—	43.38	55.06	-11.68	N	GND
0.170	FINAL	55.5	—	64.95	-9.45	N	GND
0.254	FINAL	—	36.78	51.64	-14.86	N	GND
0.256	FINAL	50.1	—	61.57	-11.48	N	GND
0.510	FINAL	—	25.46	46.00	-20.54	N	GND
0.512	FINAL	40.9	—	56.00	-15.14	N	GND
1.273	FINAL	—	18.76	46.00	-27.24	N	GND
1.284	FINAL	33.5	—	56.00	-22.46	N	GND
5.039	FINAL	35.6	—	60.00	-24.36	N	GND
5.046	FINAL	—	21.17	50.00	-28.83	N	GND
29.236	FINAL	—	11.17	50.00	-38.83	N	GND
29.236	FINAL	17.4	—	60.00	-42.64	N	GND

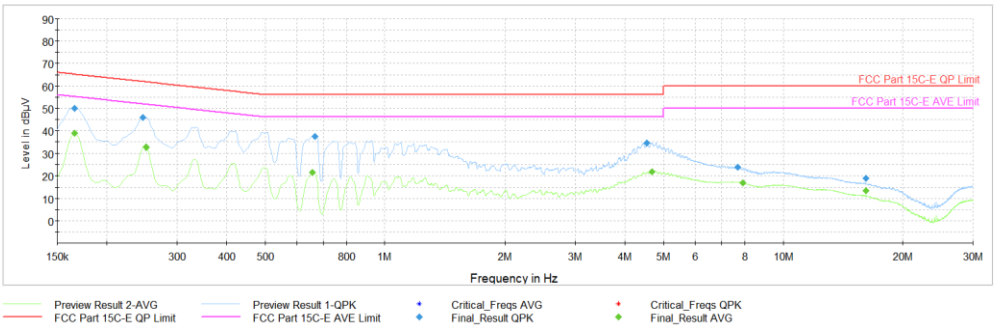
Table 7-54. AC Line Conducted Data TxBF (NB UNII BDR, ePA – 5844MHz) (N) with AC/DC adaptor to USB-C cable with wire charger



Plot 7-151. AC Line Conducted Plot TxBF (NB UNII HDR4, ePA – 5245MHz) (L1) with AC/DC adaptor to USB-C cable with wire charger

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.166	FINAL	49.3	—	65.17	-15.91	L1	GND
0.168	FINAL	—	37.80	55.06	-17.26	L1	GND
0.249	FINAL	—	32.87	51.79	-18.92	L1	GND
0.251	FINAL	45.7	—	61.72	-15.98	L1	GND
0.654	FINAL	—	20.76	46.00	-25.24	L1	GND
0.659	FINAL	36.0	—	56.00	-20.04	L1	GND
4.547	FINAL	32.7	—	56.00	-23.28	L1	GND
4.625	FINAL	—	17.22	46.00	-28.78	L1	GND
16.186	FINAL	12.5	—	60.00	-47.49	L1	GND
16.188	FINAL	—	7.56	50.00	-42.44	L1	GND
24.281	FINAL	—	2.22	50.00	-47.78	L1	GND
24.281	FINAL	8.4	—	60.00	-51.59	L1	GND

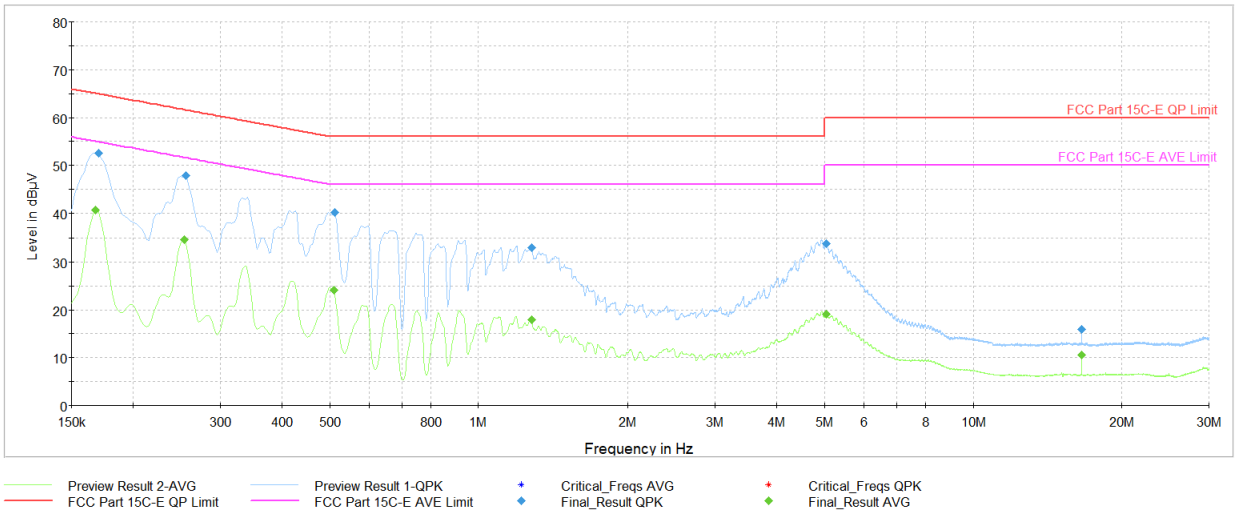
Table 7-55. AC Line Conducted Data TxBF (NB UNII HDR4, ePA– 5245MHz) (L1) with AC/DC adaptor to USB-C cable with wire charger



Plot 7-152. AC Line Conducted Plot TxBF (NB UNII HDR4, ePA – 5245MHz) (N) with AC/DC adaptor to USB-C cable with wire charger

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.166	FINAL	—	38.77	55.17	-16.40	N	GND
0.166	FINAL	49.9	—	65.17	-15.27	N	GND
0.247	FINAL	45.7	—	61.87	-16.16	N	GND
0.251	FINAL	—	32.64	51.72	-19.08	N	GND
0.659	FINAL	—	21.51	46.00	-24.49	N	GND
0.668	FINAL	37.3	—	56.00	-18.72	N	GND
4.544	FINAL	34.4	—	56.00	-21.64	N	GND
4.684	FINAL	—	21.77	46.00	-24.23	N	GND
7.679	FINAL	23.8	—	60.00	-36.17	N	GND
7.926	FINAL	—	16.88	50.00	-33.12	N	GND
16.168	FINAL	—	13.53	50.00	-36.47	N	GND
16.168	FINAL	18.9	—	60.00	-41.09	N	GND

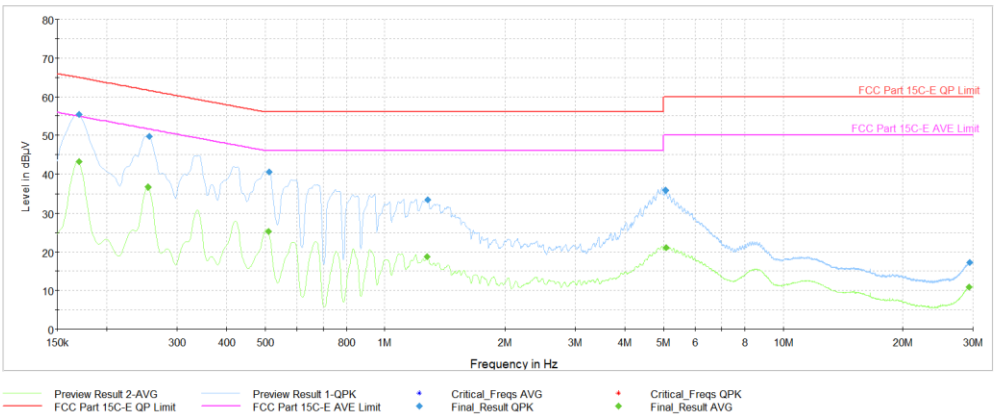
Table 7-56. AC Line Conducted Data TxBF (NB UNII HDR4, ePA – 5245MHz) (N) with AC/DC adaptor to USB-C cable with wire charger



Plot 7-153. AC Line Conducted Plot TxBF (NB UNII HDR4, ePA – 5844MHz) (L1) with AC/DC adaptor to USB-C cable with wire charger

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.168	FINAL	—	40.70	55.06	-14.36	L1	GND
0.170	FINAL	52.6	—	64.95	-12.33	L1	GND
0.254	FINAL	—	34.63	51.64	-17.01	L1	GND
0.256	FINAL	47.8	—	61.57	-13.73	L1	GND
0.510	FINAL	—	24.08	46.00	-21.92	L1	GND
0.512	FINAL	40.1	—	56.00	-15.87	L1	GND
1.280	FINAL	—	17.88	46.00	-28.12	L1	GND
1.284	FINAL	33.0	—	56.00	-23.05	L1	GND
5.046	FINAL	33.8	—	60.00	-26.20	L1	GND
5.046	FINAL	—	19.14	50.00	-30.86	L1	GND
16.598	FINAL	—	10.58	50.00	-39.42	L1	GND
16.598	FINAL	16.0	—	60.00	-44.04	L1	GND

Table 7-57. AC Line Conducted Data TxBF (NB UNII HDR4, ePA– 5844MHz) (L1) with AC/DC adaptor to USB-C cable with wire charger



Plot 7-154. AC Line Conducted Plot TxBF (NB UNII HDR4, ePA – 5844MHz) (N) with AC/DC adaptor to USB-C cable with wire charger

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.170	FINAL	—	43.15	54.95	-11.79	N	GND
0.170	FINAL	55.4	—	64.95	-9.59	N	GND
0.254	FINAL	—	36.66	51.64	-14.98	N	GND
0.256	FINAL	49.8	—	61.57	-11.80	N	GND
0.510	FINAL	—	25.23	46.00	-20.77	N	GND
0.512	FINAL	40.5	—	56.00	-15.47	N	GND
1.277	FINAL	—	18.82	46.00	-27.18	N	GND
1.284	FINAL	33.4	—	56.00	-22.60	N	GND
5.069	FINAL	35.8	—	60.00	-24.24	N	GND
5.071	FINAL	—	21.07	50.00	-28.93	N	GND
29.326	FINAL	—	10.87	50.00	-39.13	N	GND
29.441	FINAL	17.3	—	60.00	-42.70	N	GND

Table 7-58. AC Line Conducted Data TxBF (NB UNII HDR4, ePA – 5844MHz) (N) with AC/DC adaptor to USB-C cable with wire charger

8.0 CONCLUSION

The data collected relate only the item(s) tested and show that the **Apple Tablet Device FCC ID: BCGA3268** is in compliance with Part 15 Subpart E (15.407) of the FCC Rules.