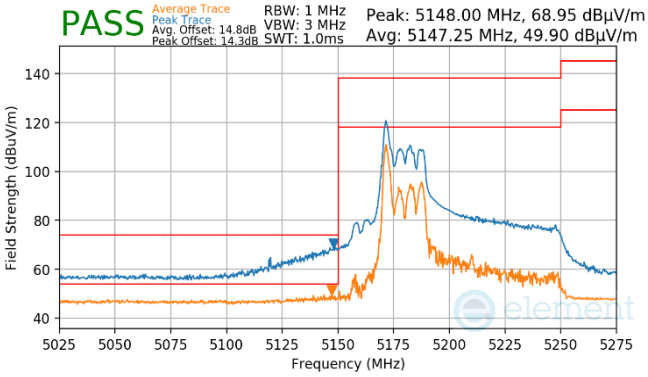
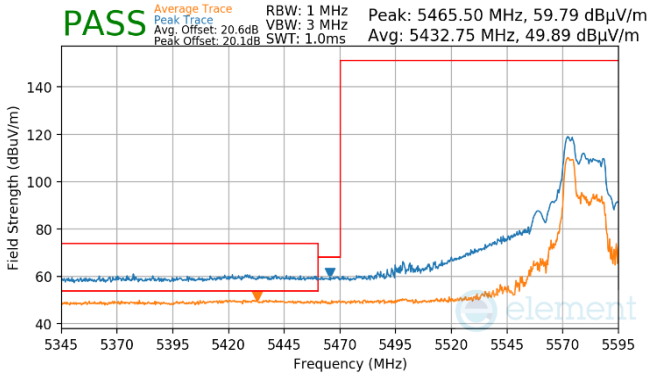
7.6.20 CDD Primary Radiated Band Edge Measurements (80MHz BW)

§15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

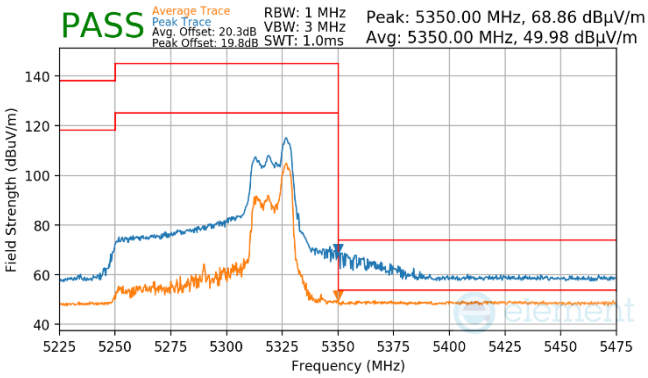
RU26/RU52



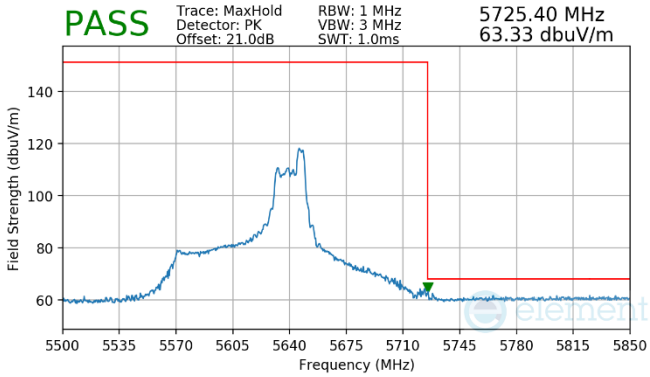
Plot 7-1014. CDD Primary (Pk & Avg, RU26, Index 0, Ch.42, MCS11)



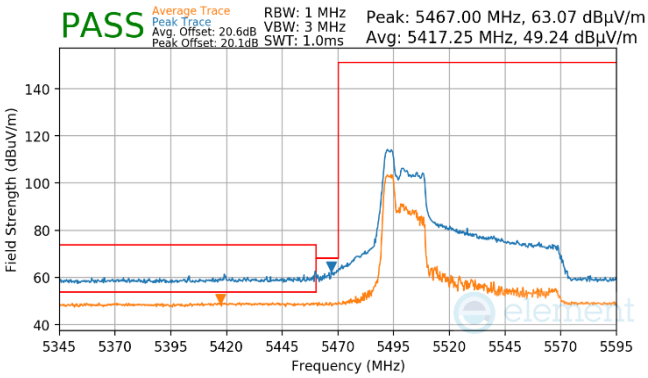
Plot 7-1017. (FCC Only) CDD Primary (Pk & Avg, RU52, Index 37, Ch.122, MCS11)



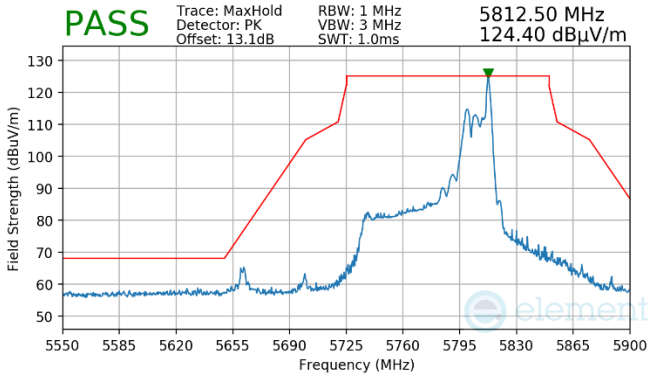
Plot 7-1015. CDD Primary (Pk & Avg, RU52, Index 52, Ch.58, MCS11)



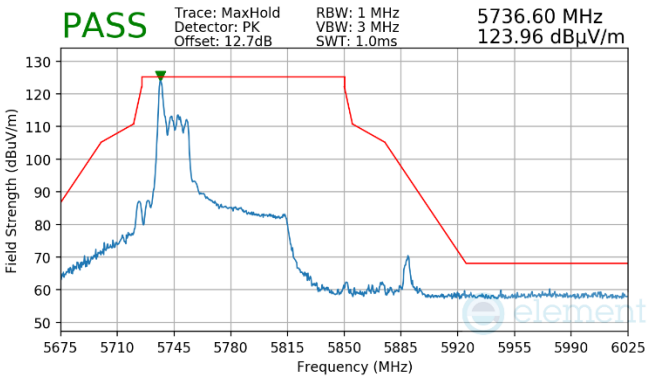
Plot 7-1018. (FCC Only) CDD Primary (Pk, RU52, Index 52, Ch.122, MCS11)



Plot 7-1016. CDD Primary (Pk & Avg, RU52, Index 37, Ch.106, MCS11)

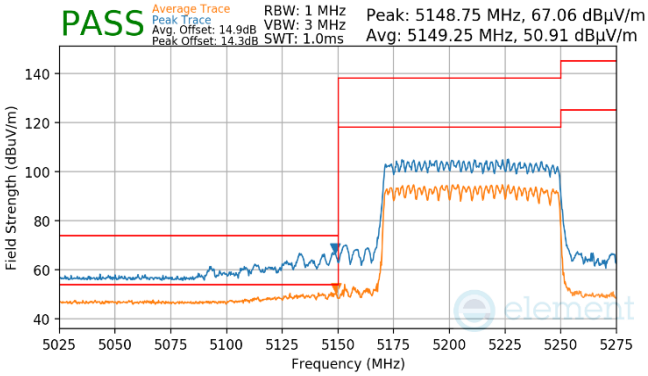


Plot 7-1019. CDD Primary (Pk, RU26, Index 36, Ch.155, MCS11)

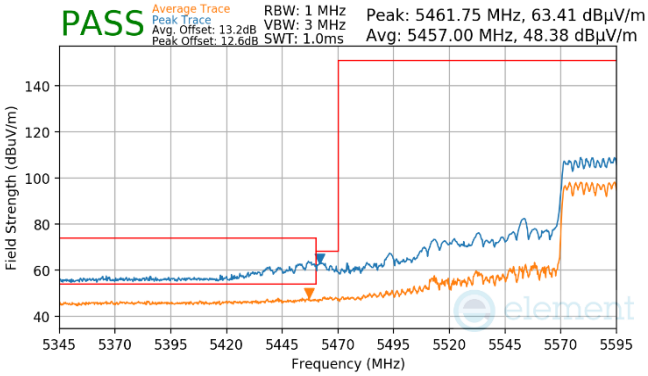


Plot 7-1020. CDD Primary (Pk, RU26, Index 0, Ch.155, MCS11)

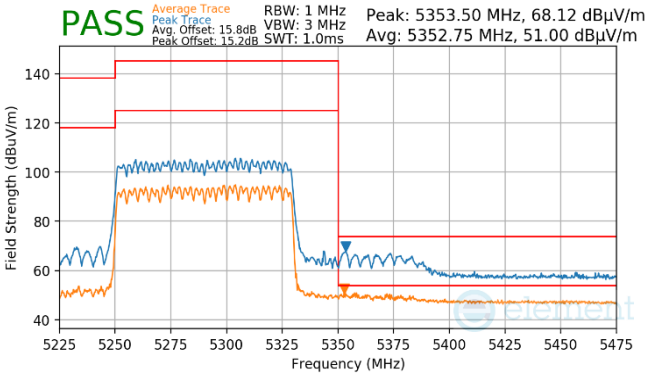
RU996



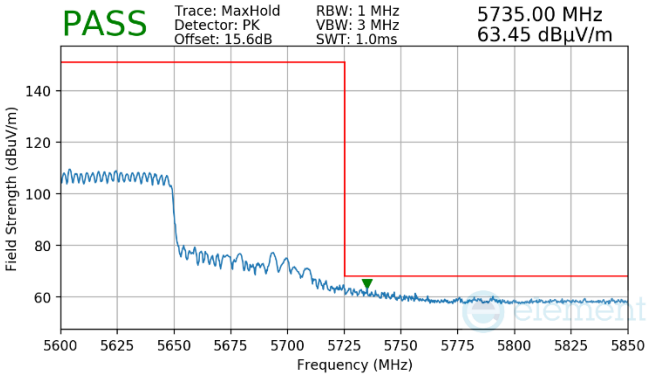
Plot 7-1021. CDD Primary (Pk & Avg, RU996, Index 67, Ch.42, MCS11)



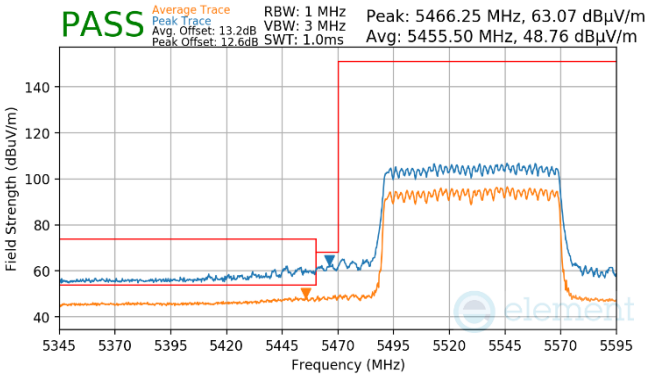
Plot 7-1024. (FCC Only) CDD Primary (Pk & Avg, RU996, Index 67, Ch.122, MCS11)



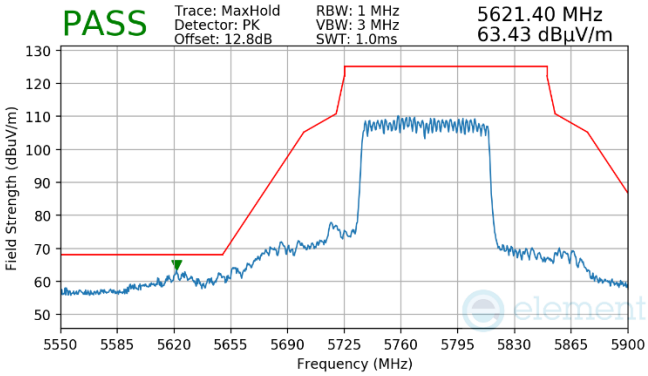
Plot 7-1022. CDD Primary (Pk & Avg, RU996, Index 67, Ch.58, MCS11)



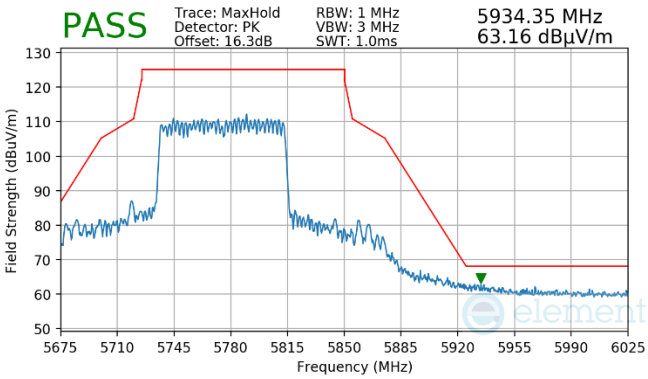
Plot 7-1025. (FCC Only) Primary CDD (Pk, RU996, Index 67, Ch.122, MCS11)



Plot 7-1023. CDD Primary (Pk & Avg, RU996, Index 67, Ch.106, MCS11)



Plot 7-1026. CDD Primary (Pk, RU996, Index 67, Ch.155, MCS11)

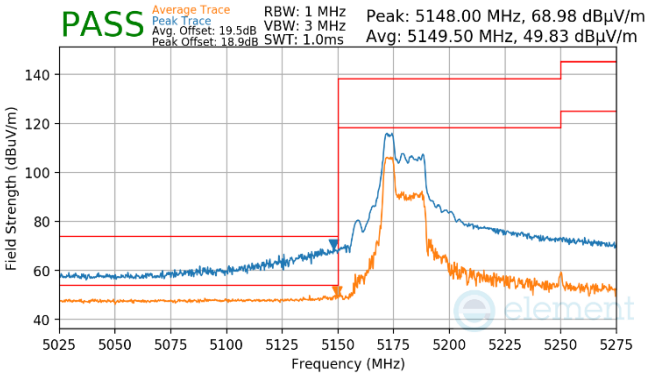


Plot 7-1027. CDD Primary (Pk, RU996, Index 67, Ch.155, MCS11)

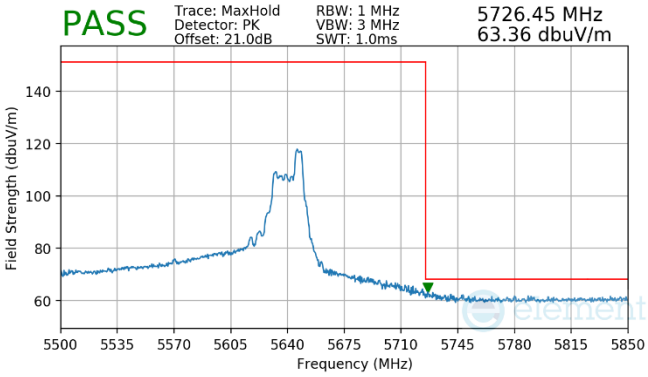
7.6.21 CDD Primary Radiated Band Edge Measurements (160MHz BW)

§15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

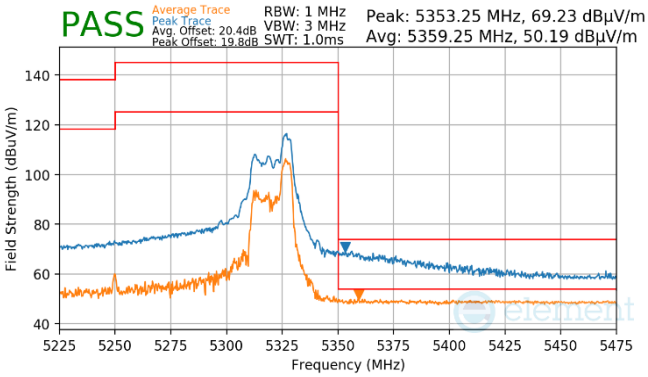
RU52



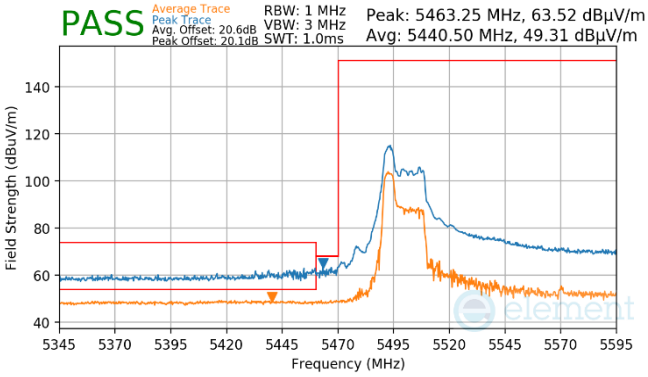
Plot 7-1028. CDD Primary (Pk & Avg, RU52, Index 37, Ch.50 (L), MCS11)



Plot 7-1031. (FCC Only) CDD Primary (Pk, RU52, Index 37, Ch.114 (U), MCS11)

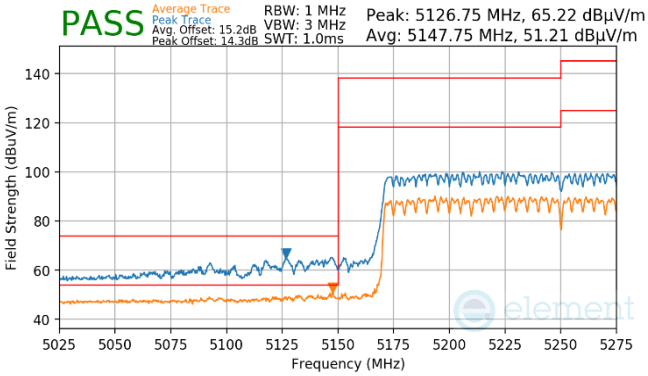


Plot 7-1029. CDD Primary (Pk & Avg, RU52, Index 52, Ch.50 (U), MCS11)

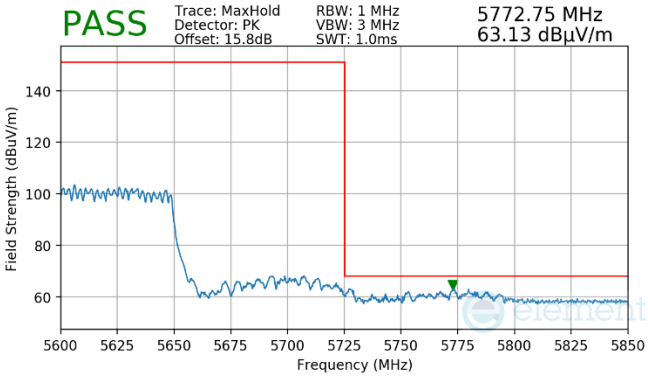


Plot 7-1030. (FCC Only) CDD Primary (Pk & Avg, RU52, Index 37, Ch.114 (L), MCS11)

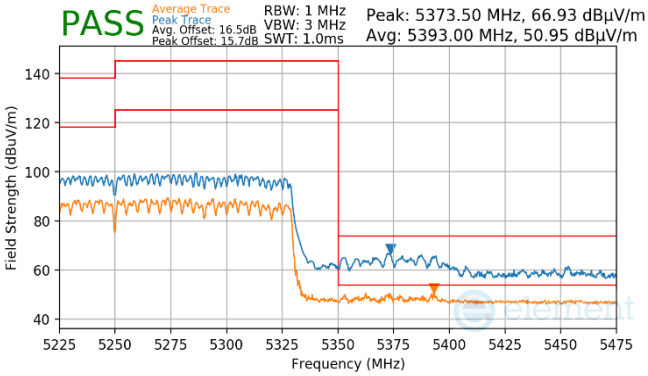
RU996x2



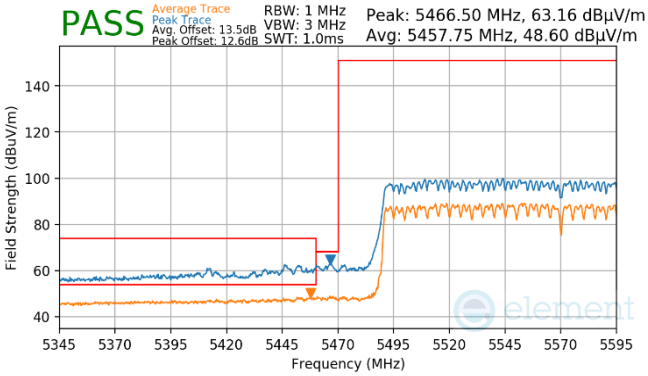
Plot 7-1032. CDD Primary (Pk & Avg, RU996x2, Index 68, Ch.50, MCS11)



Plot 7-1035. (FCC Only) CDD Primary (Pk, RU996x2, Index 68, Ch.114, MCS11)



Plot 7-1033. CDD Primary (Pk & Avg, RU996x2, Index 68, Ch.50, MCS11)

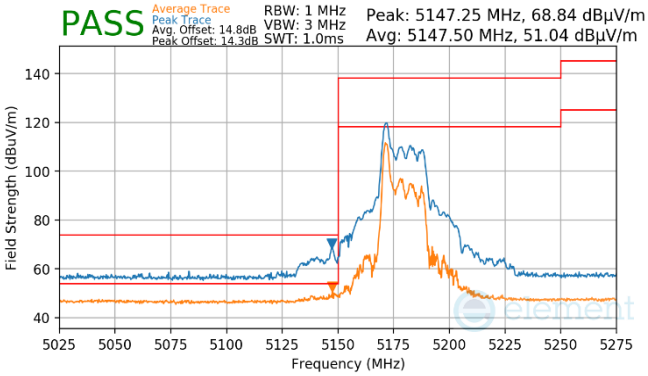


Plot 7-1034. (FCC Only) CDD Primary (Pk & Avg, RU996x2, Index 68, Ch.114, MCS11)

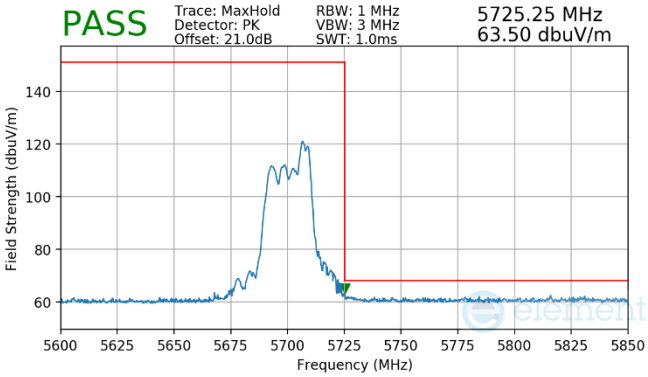
7.6.22 CDD Diversity Radiated Band Edge Measurements (20MHz BW)

§15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

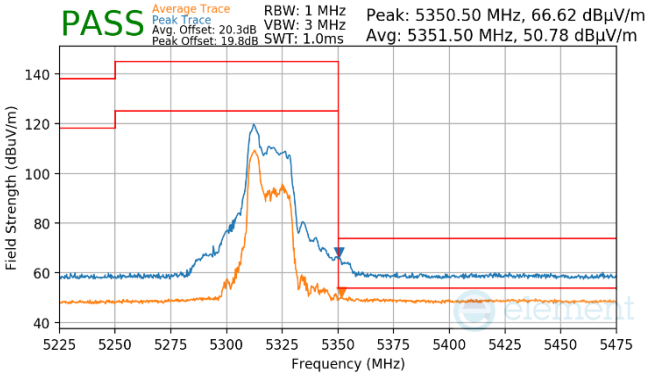
RU26/RU52



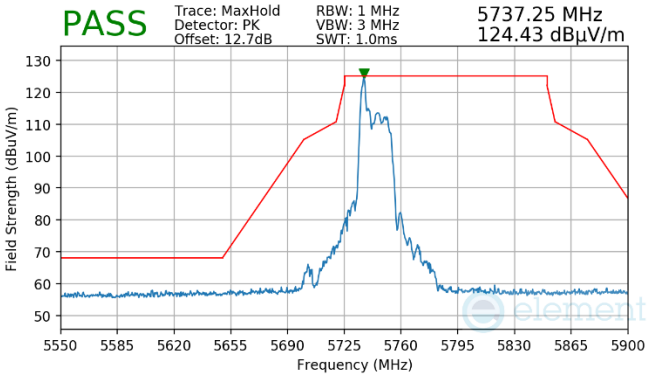
Plot 7-1036. CDD Diversity (Pk & Avg, RU26, Index 0, Ch.36, MCS11)



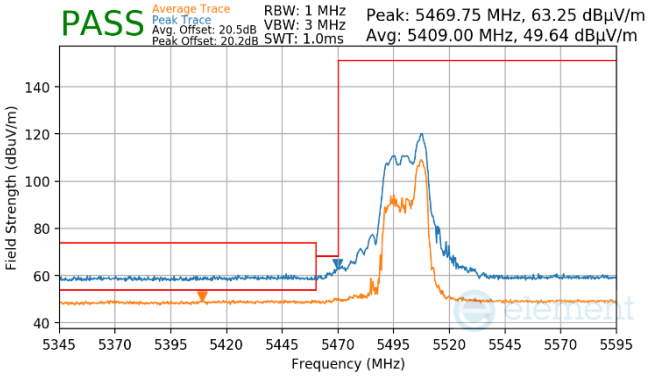
Plot 7-1039. CDD Diversity (Pk, RU52, Index 40, Ch.140, MCS11)



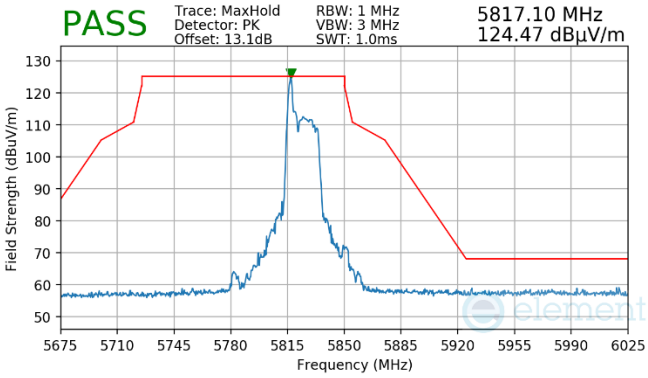
Plot 7-1037. CDD Diversity (Pk & Avg, RU52, Index 37, Ch.64, MCS11)



Plot 7-1040. CDD Diversity (Pk, RU26, Index 0, Ch.149, MCS11)

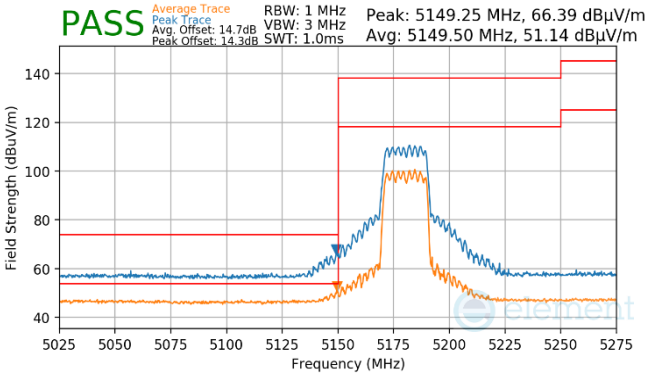


Plot 7-1038. CDD Diversity (Pk & Avg, RU52, Index 40, Ch.100, MCS11)

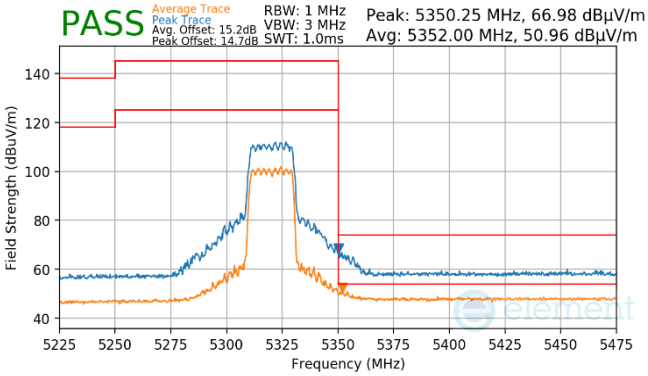


Plot 7-1041. CDD Diversity (Pk, RU26, Index 0, Ch.165, MCS11)

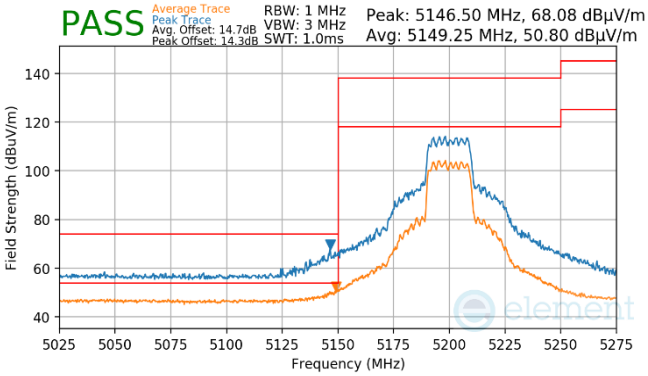
RU242



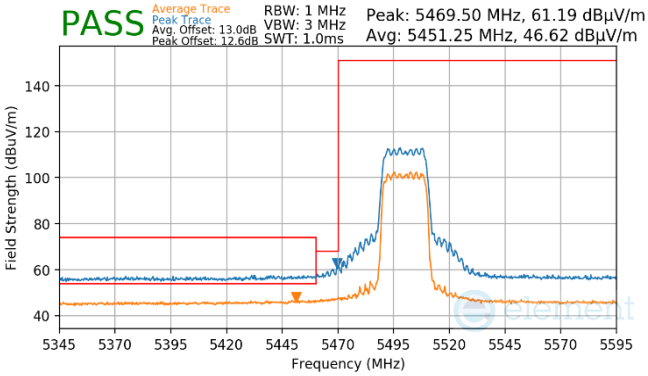
Plot 7-1042. CDD Diversity (Pk & Avg, RU242, Index 61, Ch.36, MCS11)



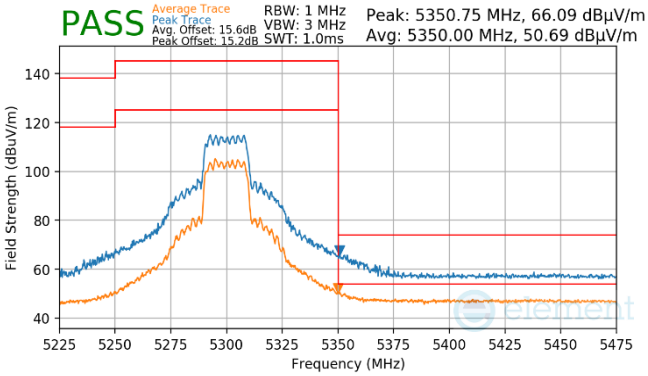
Plot 7-1045. CDD Diversity (Pk & Avg, RU242, Index 61, Ch.64, MCS11)



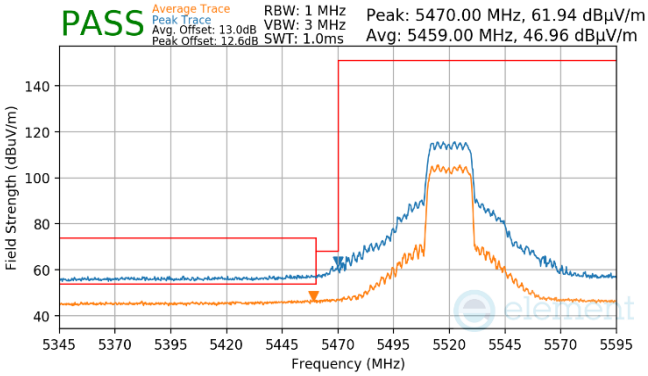
Plot 7-1043. CDD Diversity (Pk & Avg, RU242, Index 61, Ch.40, MCS11)



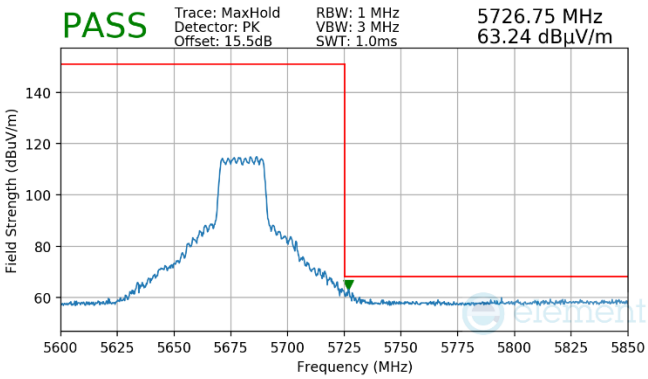
Plot 7-1046. CDD Diversity (Pk & Avg, RU242, Index 61, Ch.100, MCS11)



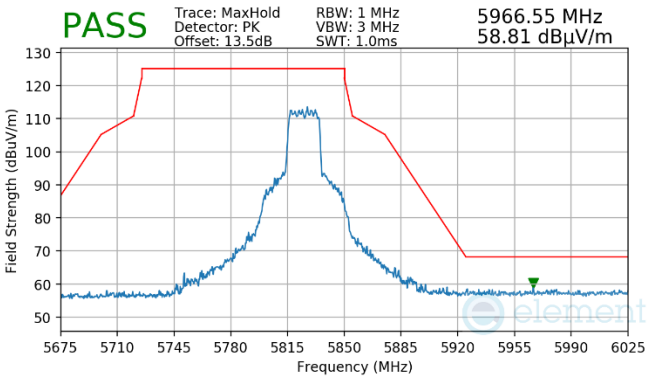
Plot 7-1044. CDD Diversity (Pk & Avg, RU242, Index 61, Ch.60, MCS11)



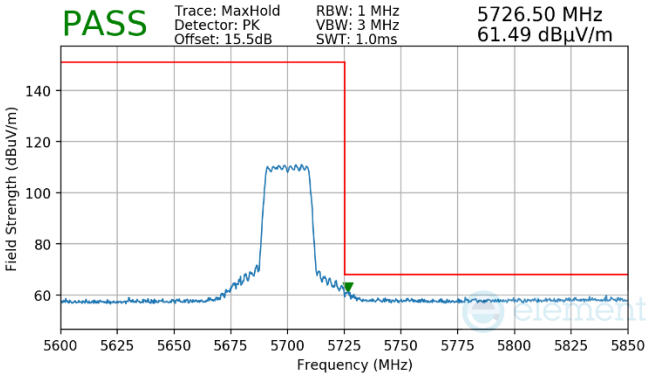
Plot 7-1047. CDD Diversity (Pk & Avg, RU242, Index 61, Ch.104, MCS11)



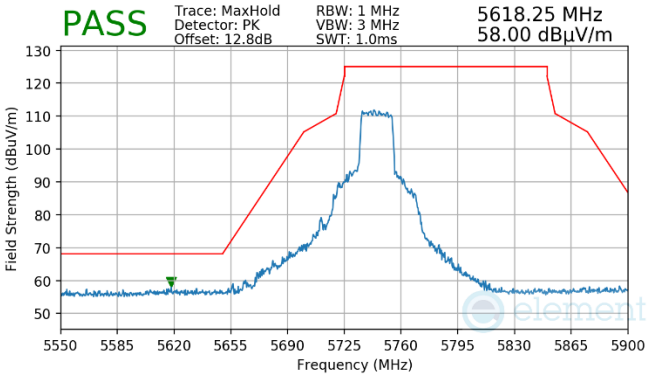
Plot 7-1048. CDD Diversity (Pk, RU242, Index 61, Ch.136, MCS11)



Plot 7-1051. CDD Diversity (Pk, RU242, Index 61, Ch.165, MCS11)



Plot 7-1049. CDD Diversity (Pk, RU242, Index 61, Ch.140, MCS11)

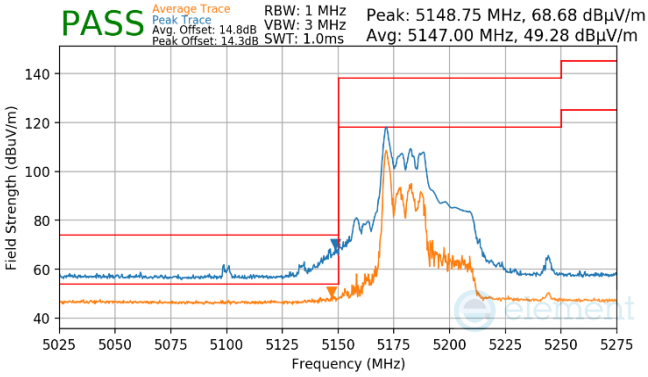


Plot 7-1050. CDD Diversity (Pk, RU242, Index 61, Ch.149, MCS11)

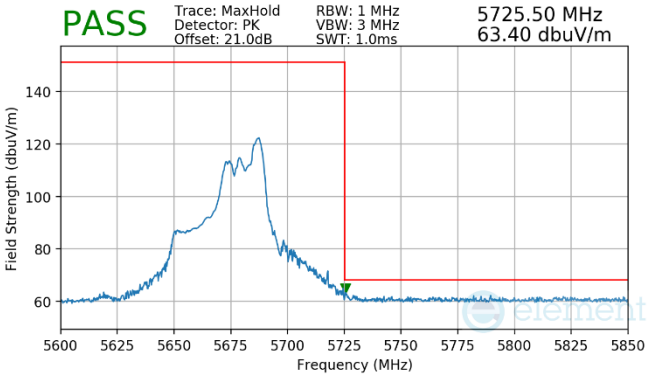
7.6.23 CDD Diversity Radiated Band Edge Measurements (40MHz BW)

§15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

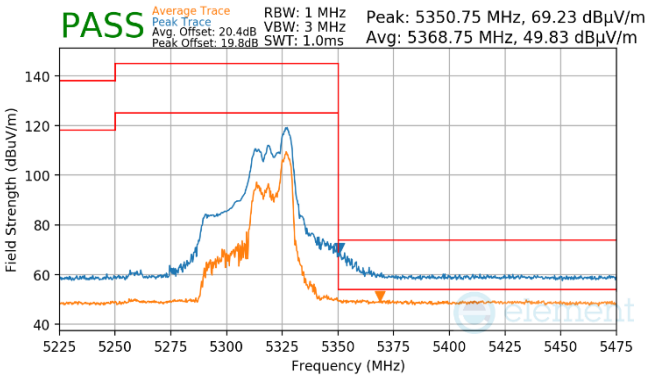
RU26/RU52



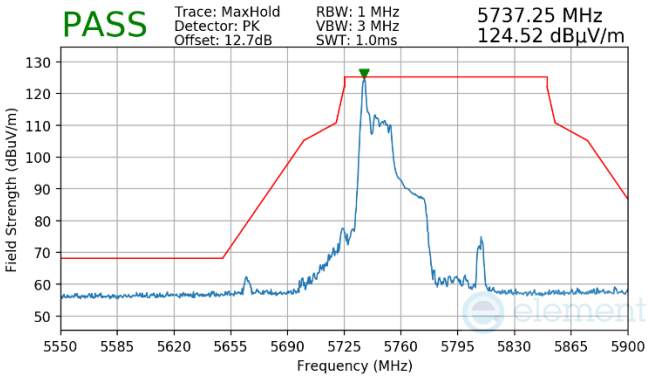
Plot 7-1052. CDD Diversity (Pk & Avg, RU26, Index 0, Ch.38, MCS11)



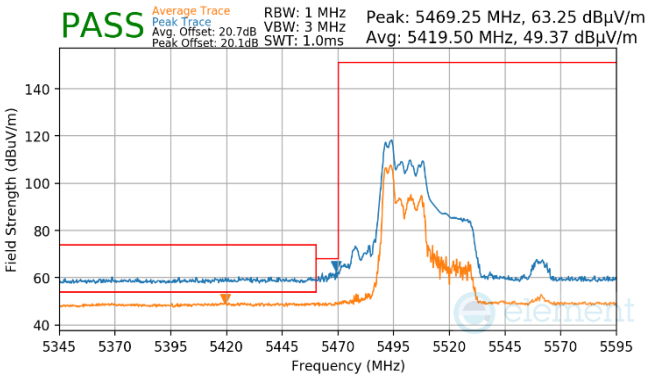
Plot 7-1055. CDD Diversity (Pk, RU52, Index 44, Ch.134, MCS11)



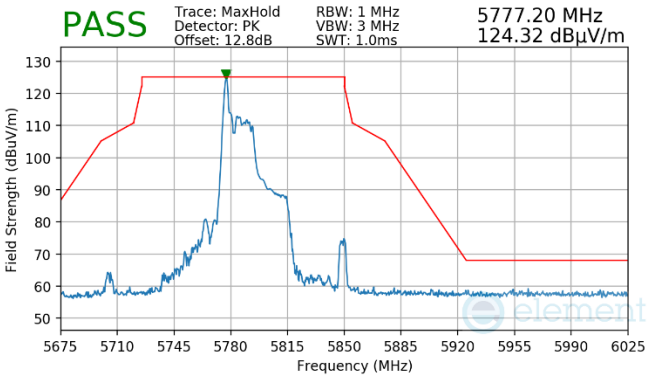
Plot 7-1053. CDD Diversity (Pk & Avg, RU52, Index 44, Ch.62, MCS11)



Plot 7-1056. CDD Diversity (Pk, RU26, Index 0, Ch.151, MCS11)

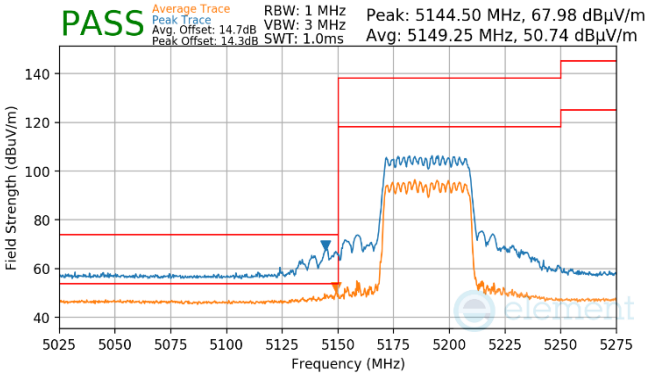


Plot 7-1054. CDD Diversity (Pk & Avg, RU52, Index 37, Ch.102, MCS11)

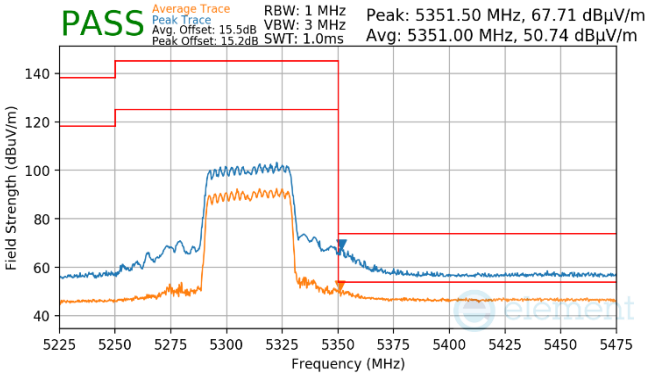


Plot 7-1057. CDD Diversity (Pk, RU26, Index 0, Ch.159, MCS11)

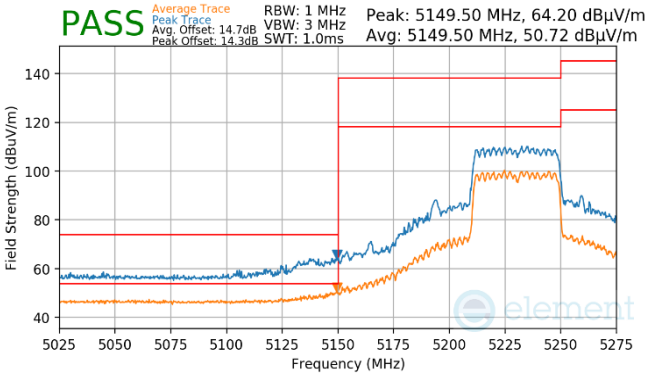
RU484



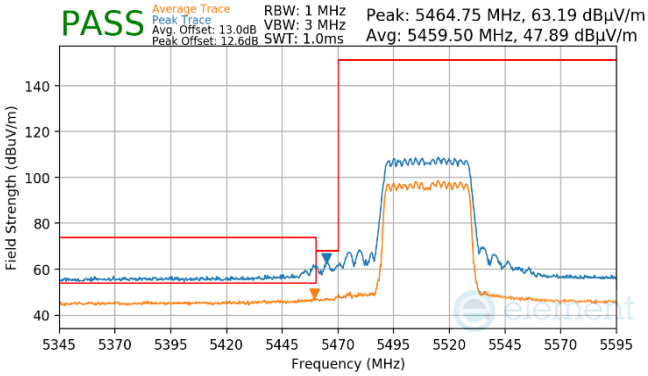
Plot 7-1058. CDD Diversity (Pk & Avg, RU484, Index 65, Ch.38, MCS11)



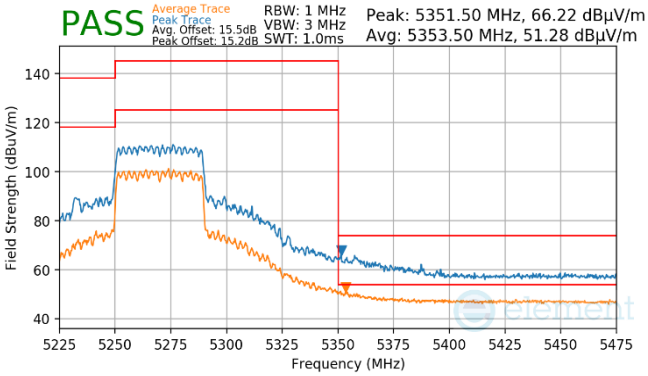
Plot 7-1061. CDD Diversity (Pk & Avg, RU484, Index 65, Ch.62, MCS11)



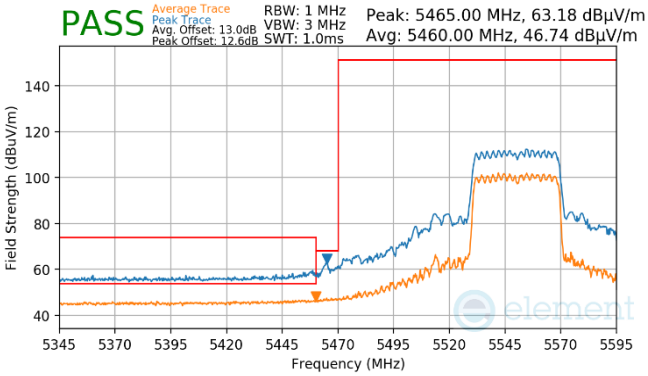
Plot 7-1059. CDD Diversity (Pk & Avg, RU484, Index 65, Ch.46, MCS11)



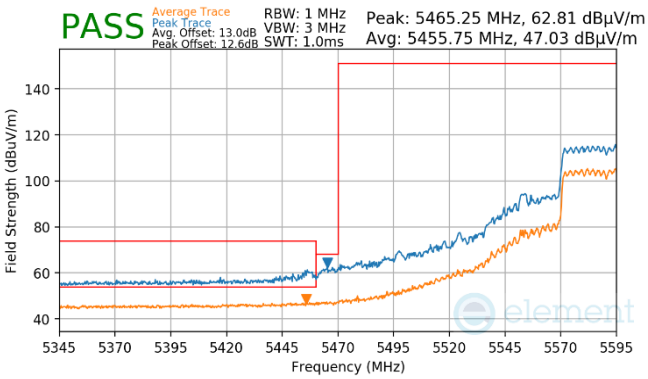
Plot 7-1062. CDD Diversity (Pk & Avg, RU484, Index 65, Ch.102, MCS11)



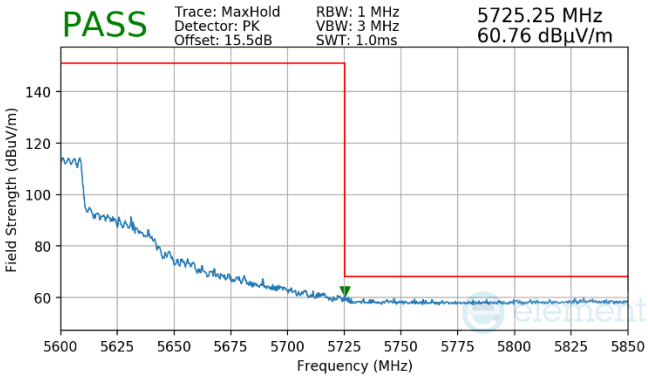
Plot 7-1060. CDD Diversity (Pk & Avg, RU484, Index 65, Ch.54, MCS11)



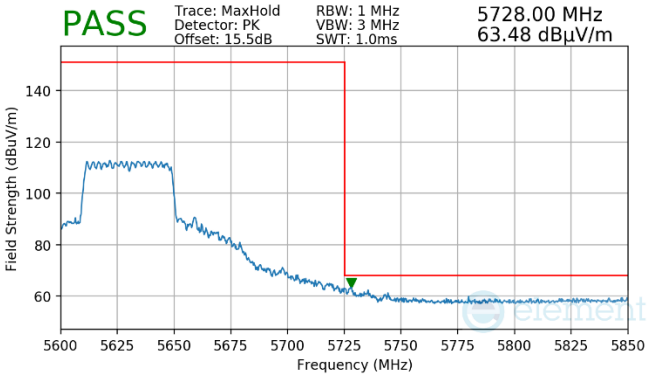
Plot 7-1063. CDD Diversity (Pk & Avg, RU484, Index 65, Ch.110, MCS11)



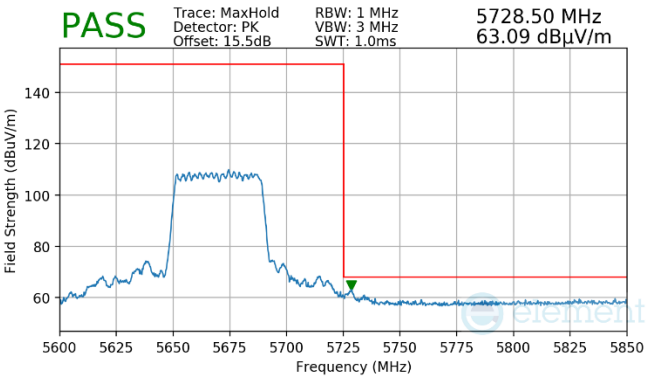
Plot 7-1064. (FCC Only) CDD Diversity (Pk & Avg, RU484, Index 65, Ch.118, MCS11)



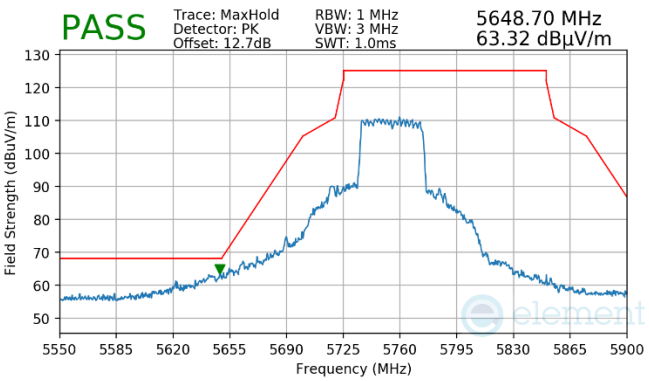
Plot 7-1065. (FCC Only) CDD Diversity (Pk, RU484, Index 65, Ch.118, MCS11)



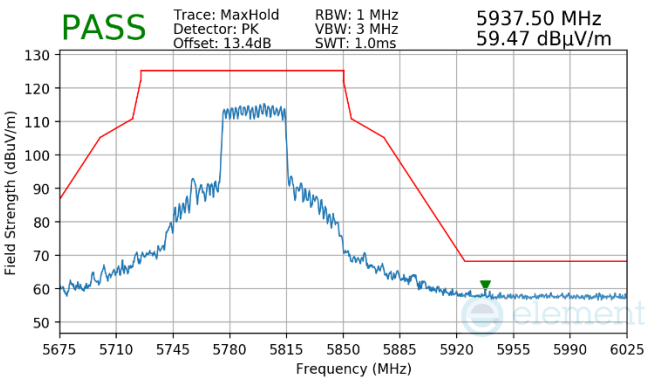
Plot 7-1066. (FCC Only) CDD Diversity (Pk, RU484, Index 65, Ch.126, MCS11)



Plot 7-1067. CDD Diversity (Pk, RU484, Index 65, Ch.134, MCS11)



Plot 7-1068. CDD Diversity (Pk, RU484, Index 65, Ch.151, MCS11)

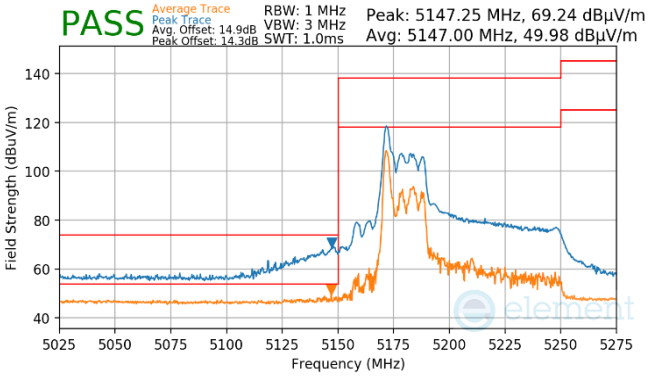


Plot 7-1069. CDD Diversity (Pk, RU484, Index 65, Ch.159, MCS11)

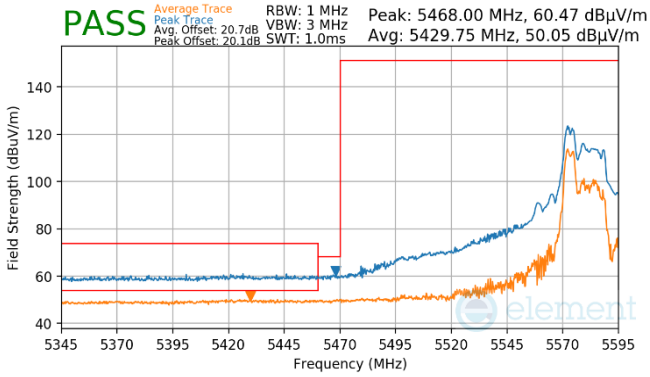
7.6.24 CDD Diversity Radiated Band Edge Measurements (80MHz BW)

§15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

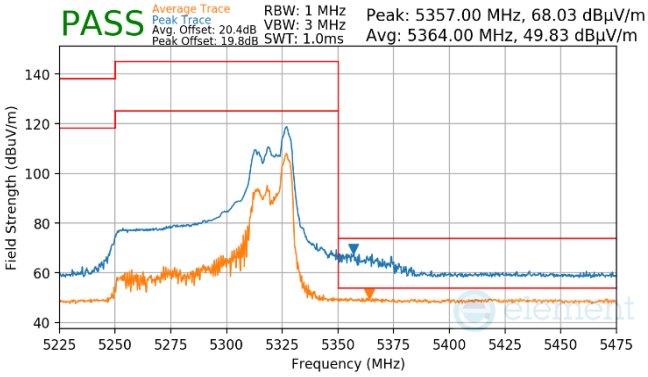
RU26/RU52



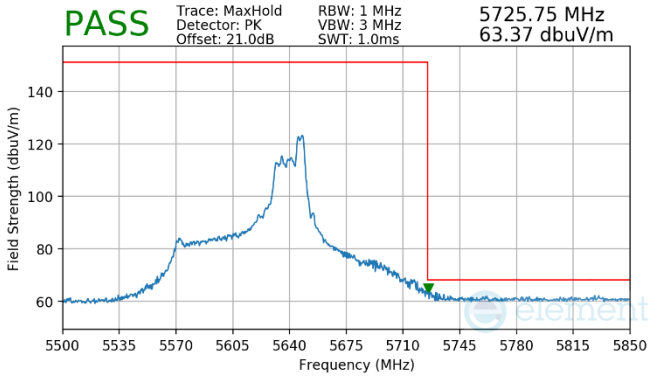
Plot 7-1070. CDD Diversity (Pk & Avg, RU26, Index 0, Ch.42, MCS11)



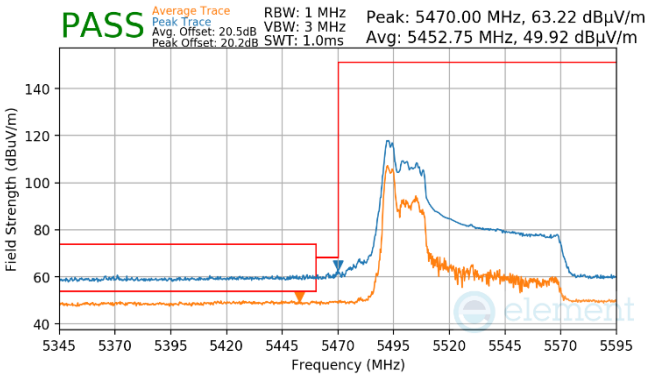
Plot 7-1073. (FCC Only) CDD Diversity (Pk & Avg, RU52, Index 37, Ch.122, MCS11)



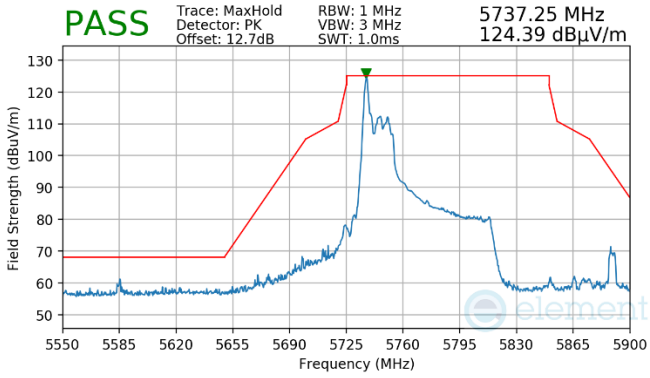
Plot 7-1071. CDD Diversity (Pk & Avg, RU52, Index 52, Ch.58, MCS11)



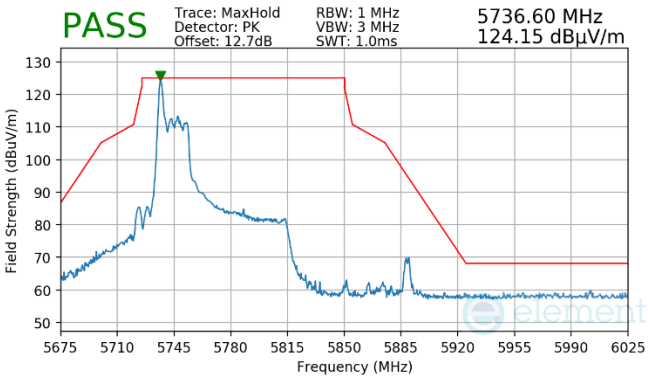
Plot 7-1074. (FCC Only) CDD Diversity (Pk, RU52, Index 52, Ch.122, MCS11)



Plot 7-1072. CDD Diversity (Pk & Avg, RU52, Index 37, Ch.106, MCS11)

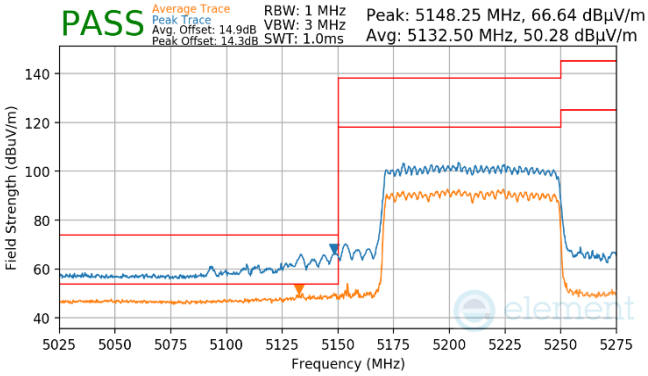


Plot 7-1075. CDD Diversity (Pk, RU26, Index 0, Ch.155, MCS11)

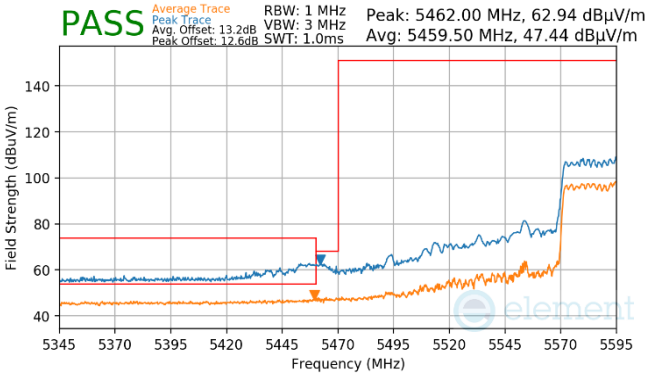


Plot 7-1076. CDD Diversity (Pk, RU26, Index 0, Ch.155, MCS11)

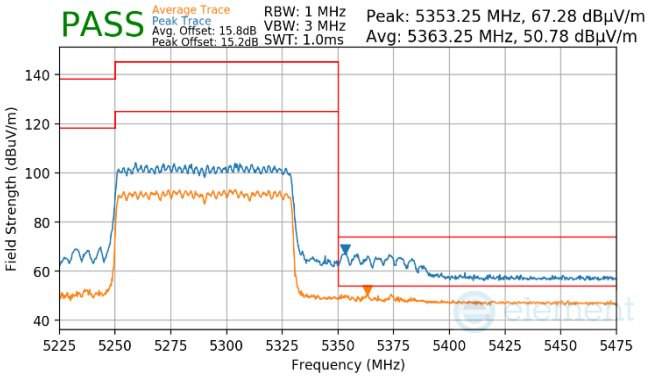
RU996



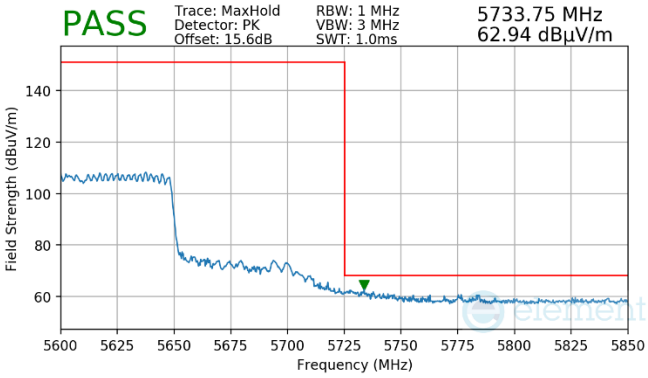
Plot 7-1077. CDD Diversity (Pk & Avg, RU996, Index 67, Ch.42, MCS11)



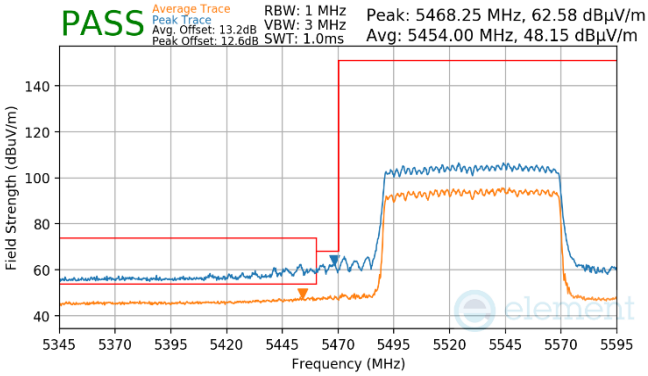
Plot 7-1080. (FCC Only) CDD Diversity (Pk & Avg, RU996, Index 67, Ch.122, MCS11)



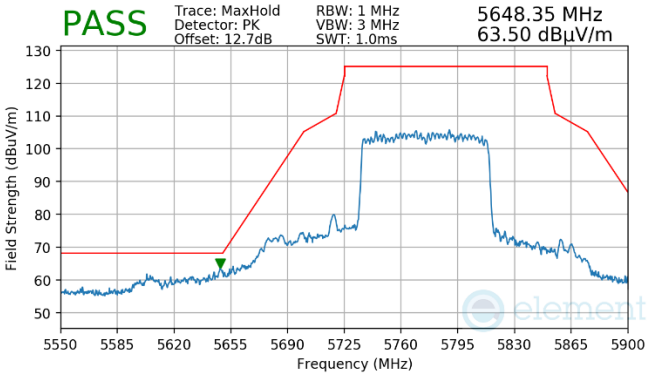
Plot 7-1078. CDD Diversity (Pk & Avg, RU996, Index 67, Ch.58, MCS11)



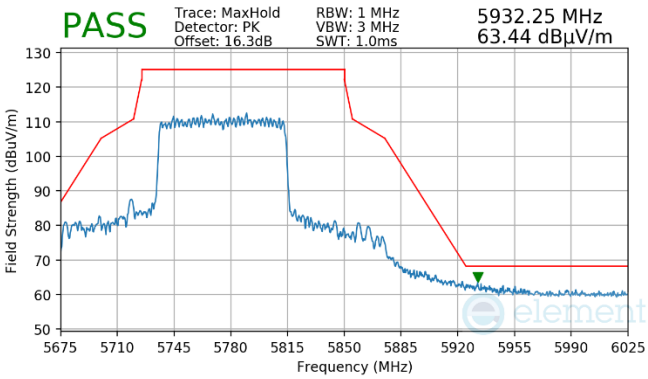
Plot 7-1081. (FCC Only) Diversity CDD (Pk, RU996, Index 67, Ch.122, MCS11)



Plot 7-1079. CDD Diversity (Pk & Avg, RU996, Index 67, Ch.106, MCS11)



Plot 7-1082. CDD Diversity (Pk, RU996, Index 67, Ch.155, MCS11)

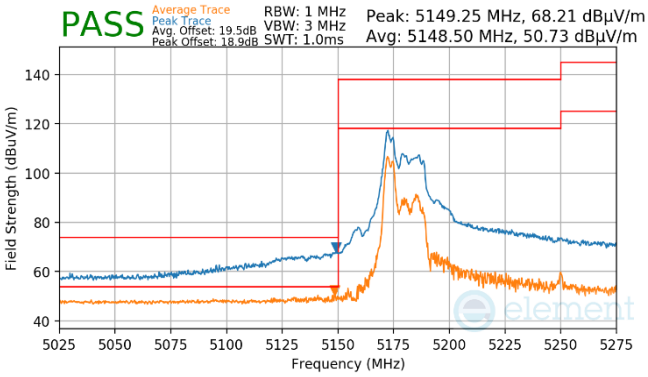


Plot 7-1083. CDD Diversity (Pk, RU996, Index 67, Ch.155, MCS11)

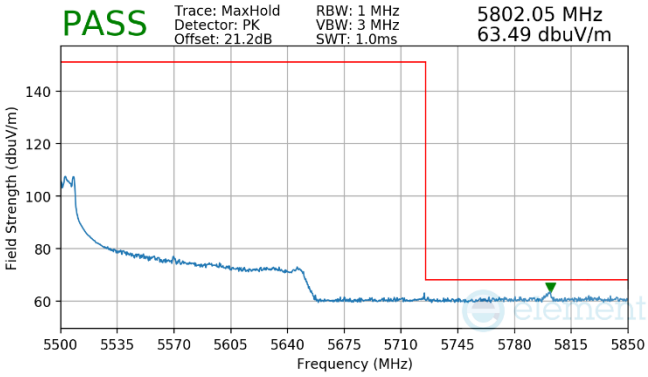
7.6.25 CDD Diversity Radiated Band Edge Measurements (160MHz BW)

§15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

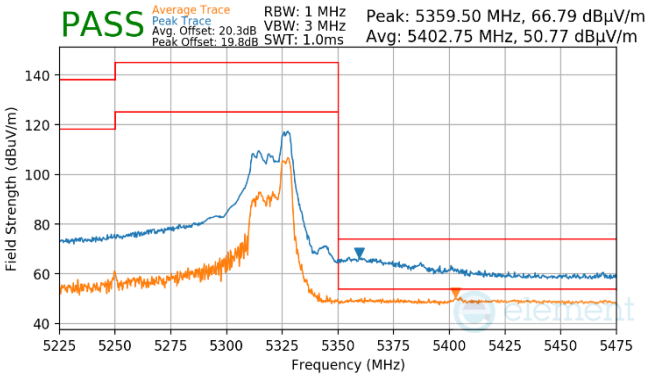
RU52



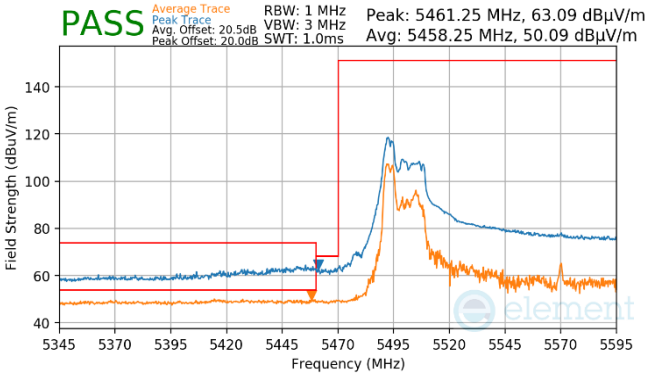
Plot 7-1084. CDD Diversity (Pk & Avg, RU52, Index 37, Ch.50 (L), MCS11)



Plot 7-1087. (FCC Only) CDD Diversity (Pk, RU52, Index 37, Ch.114 (U), MCS11)

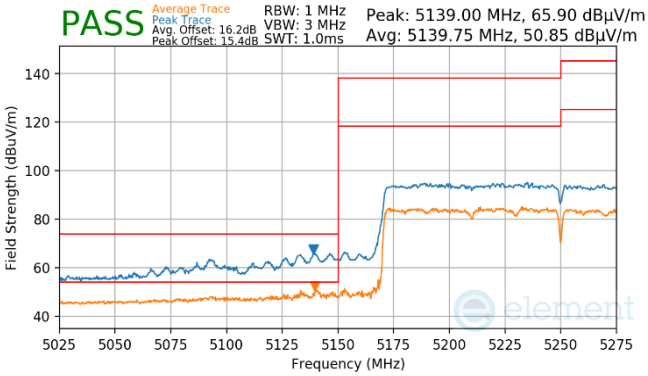


Plot 7-1085. CDD Diversity (Pk & Avg, RU52, Index 52, Ch.50 (U), MCS11)

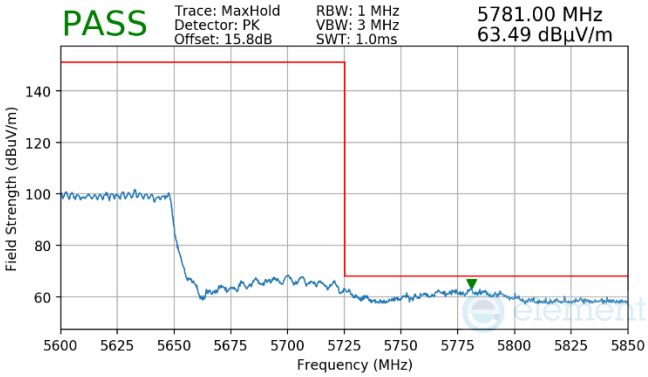


Plot 7-1086. (FCC Only) CDD Diversity (Pk & Avg, RU52, Index 37, Ch.114 (L), MCS11)

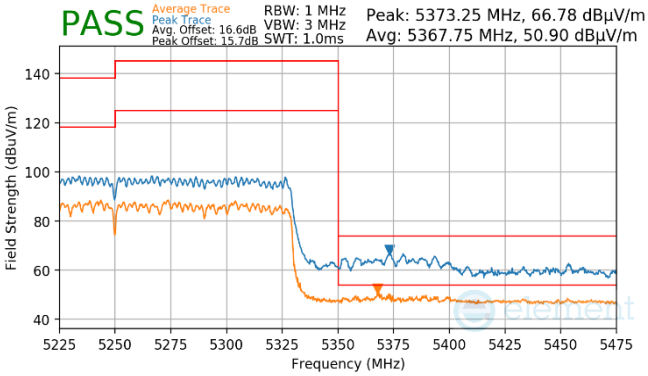
RU996x2



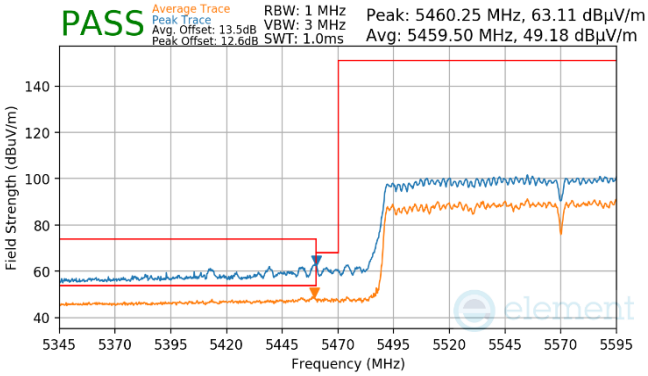
Plot 7-1088. CDD Diversity (Pk & Avg, RU996x2, Index 68, Ch.50, MCS11)



Plot 7-1091. (FCC Only) CDD Diversity (Pk, RU996x2, Index 68, Ch.114, MCS11)



Plot 7-1089. CDD Diversity (Pk & Avg, RU996x2, Index 68, Ch.50, MCS11)



Plot 7-1090. (FCC Only) CDD Diversity (Pk & Avg, RU996x2, Index 68, Ch.114, MCS11)

7.7 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 7-323 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 7-323. 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

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.

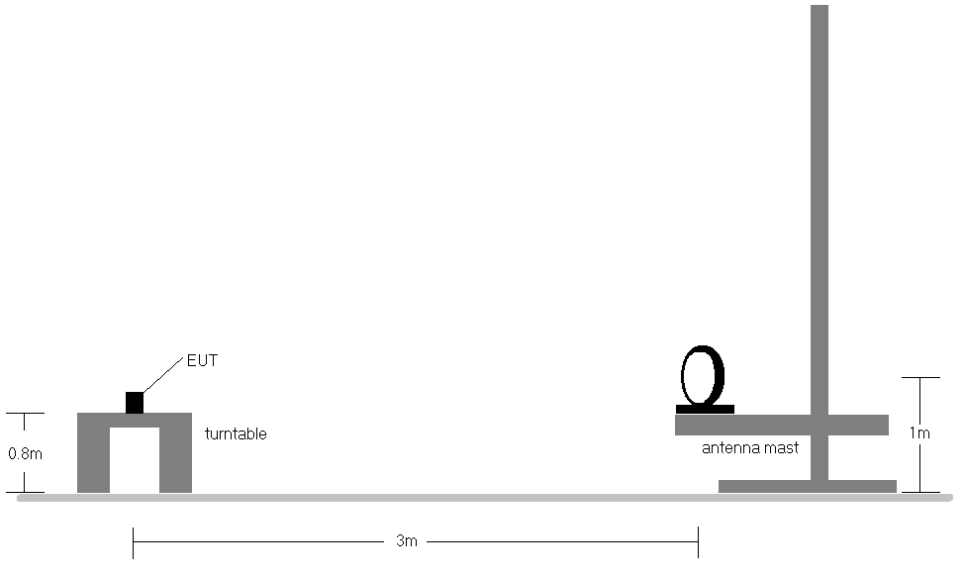


Figure 7-6. Radiated Test Setup < 30MHz

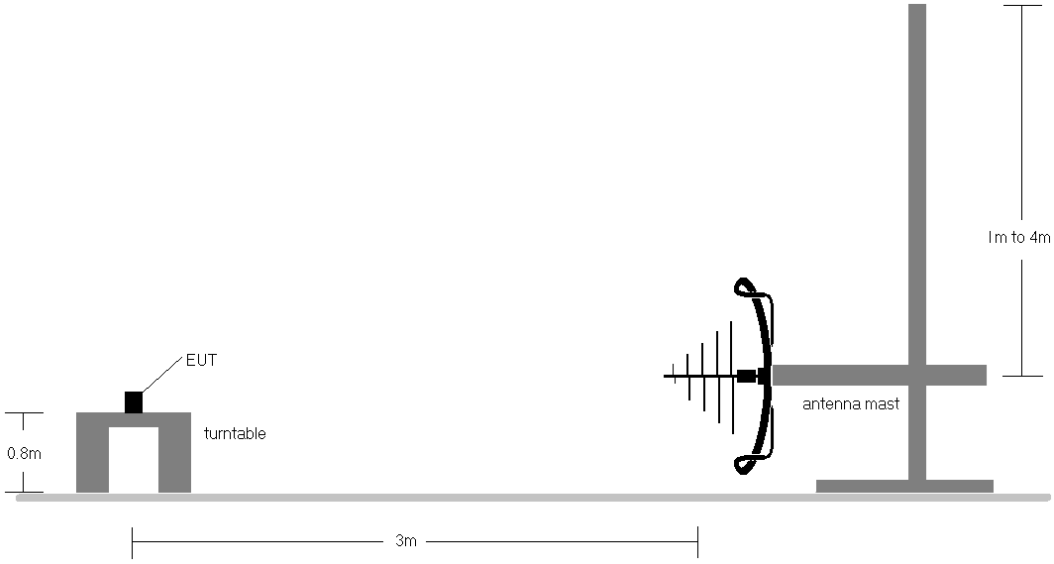


Figure 7-7. Radiated Test Setup < 1GHz

Test Notes

1. All emissions lying in restricted bands specified in §15.205 and RSS-Gen (8.10) are below the limit shown in Table 7-323.
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. All antenna configurations and data rates were investigated and only the worst case are reported.
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

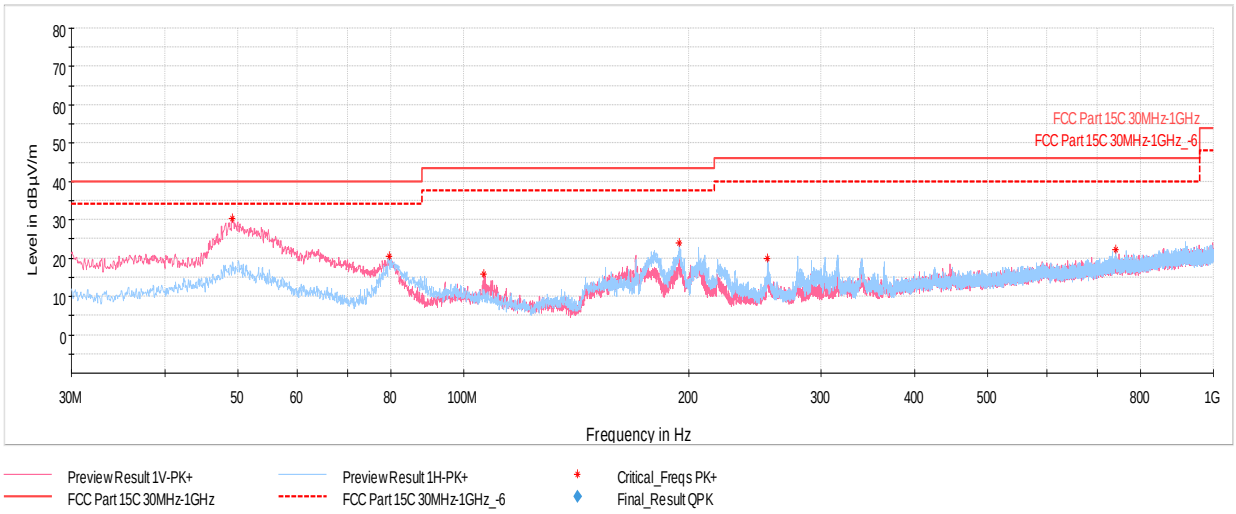
Sample Calculations

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 $_{[dB\mu V/m]}$

7.6.27 CDD Radiated Spurious Emissions (Below 1GHz)

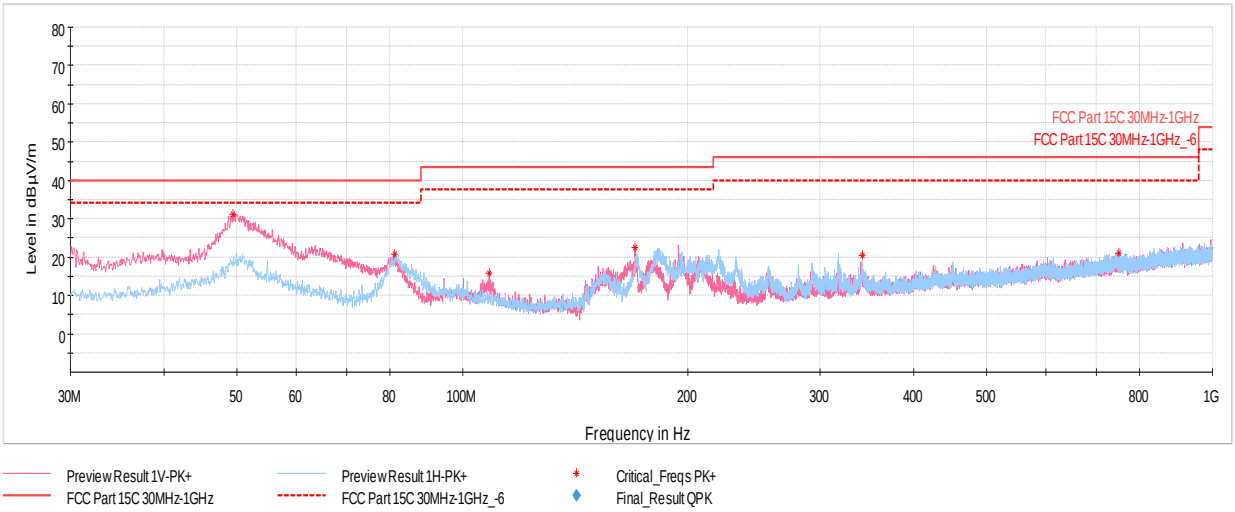
§15.209; RSS-Gen [8.9]



Plot 7-1092. RSE below 1GHz CDD Primary (RU26 – Ch.40), 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]
49.16	Max-Peak	V	100	358	-64.11	-12.60	30.29	40.00	-9.71
79.66	Max-Peak	V	300	15	-65.38	-21.27	20.35	40.00	-19.65
106.53	Max-Peak	V	100	122	-74.63	-16.52	15.85	43.52	-27.67
193.88	Max-Peak	H	100	163	-66.53	-16.57	23.90	43.52	-19.62
254.46	Max-Peak	H	100	72	-72.24	-14.89	19.87	46.02	-26.15
740.04	Max-Peak	H	100	163	-79.16	-5.56	22.28	46.02	-23.74

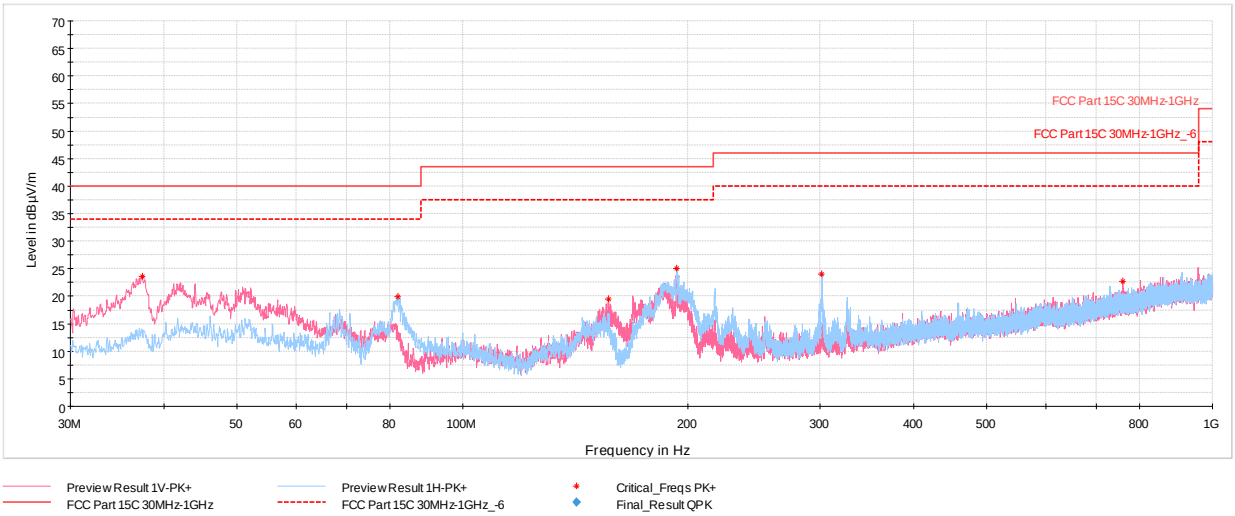
Table 7-324. RSE below 1GHz CDD Primary (RU26 – Ch.40), with AC/DC Adapter



Plot 7-1093. RSE below 1GHz CDD Primary (RU242 – Ch.40), 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]
49.40	Max-Peak	V	100	15	-63.03	-12.61	31.36	40.00	-8.64
81.22	Max-Peak	H	200	81	-65.28	-21.02	20.70	40.00	-19.30
108.42	Max-Peak	V	100	170	-74.78	-16.50	15.72	43.52	-27.80
169.78	Max-Peak	V	100	354	-65.46	-18.95	22.59	43.52	-20.93
341.37	Max-Peak	H	100	82	-73.83	-12.56	20.61	46.02	-25.41
749.40	Max-Peak	H	100	153	-80.44	-5.48	21.08	46.02	-24.94

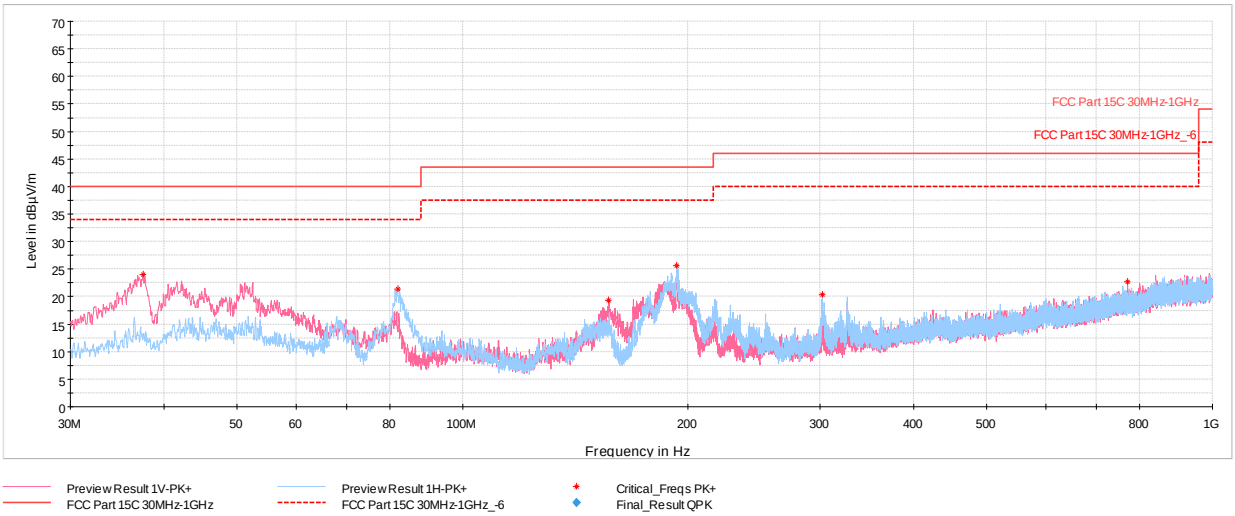
Table 7-325. RSE below 1GHz CDD Primary (RU242– Ch.40), with AC/DC Adapter



Plot 7-1094. RSE below 1GHz CDD Diversity (RU26 – Ch.40), 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]
37.42	Max-Peak	V	100	4	-68.31	-15.13	23.56	40.00	-16.44
82.04	Max-Peak	H	200	263	-66.30	-20.76	19.94	40.00	-20.06
156.44	Max-Peak	V	100	312	-67.74	-19.79	19.47	43.52	-24.05
192.91	Max-Peak	H	100	5	-64.78	-17.17	25.05	43.52	-18.47
301.55	Max-Peak	H	100	282	-68.49	-14.54	23.97	46.02	-22.05
759.29	Max-Peak	V	200	267	-79.30	-4.97	22.73	46.02	-23.29

Table 7-326. RSE below 1GHz CDD Diversity (RU26 – Ch.40), with AC/DC Adapter



Plot 7-1095. RSE below 1GHz CDD Diversity (RU242 – Ch.40), 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]
37.52	Max-Peak	V	100	248	-67.81	-15.11	24.08	40.00	-15.92
81.94	Max-Peak	H	200	291	-64.84	-20.78	21.38	40.00	-18.62
156.73	Max-Peak	V	100	1	-67.84	-19.77	19.39	43.52	-24.13
193.11	Max-Peak	H	100	234	-64.22	-17.14	25.64	43.52	-17.88
301.79	Max-Peak	H	100	130	-72.14	-14.53	20.33	46.02	-25.69
770.69	Max-Peak	V	200	142	-79.31	-4.99	22.70	46.02	-23.32

Table 7-327. RSE below 1GHz CDD Diversity (RU242 – Ch.40), with AC/DC Adapter

7.8 AC Line Conducted Emissions Measurement

§15.207; 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. 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 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 7-328. Conducted Limits

*Decreases with the logarithm of the frequency.

Test Procedures Used

ANSI C63.10-2013, Subclause 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.

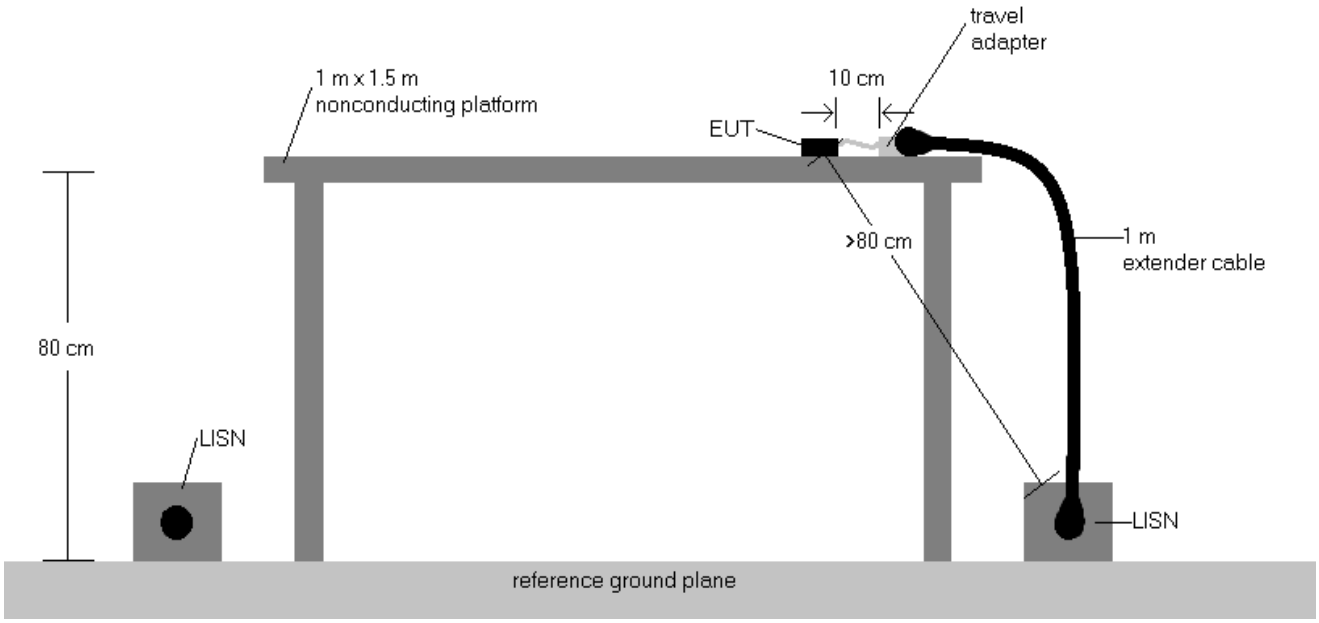
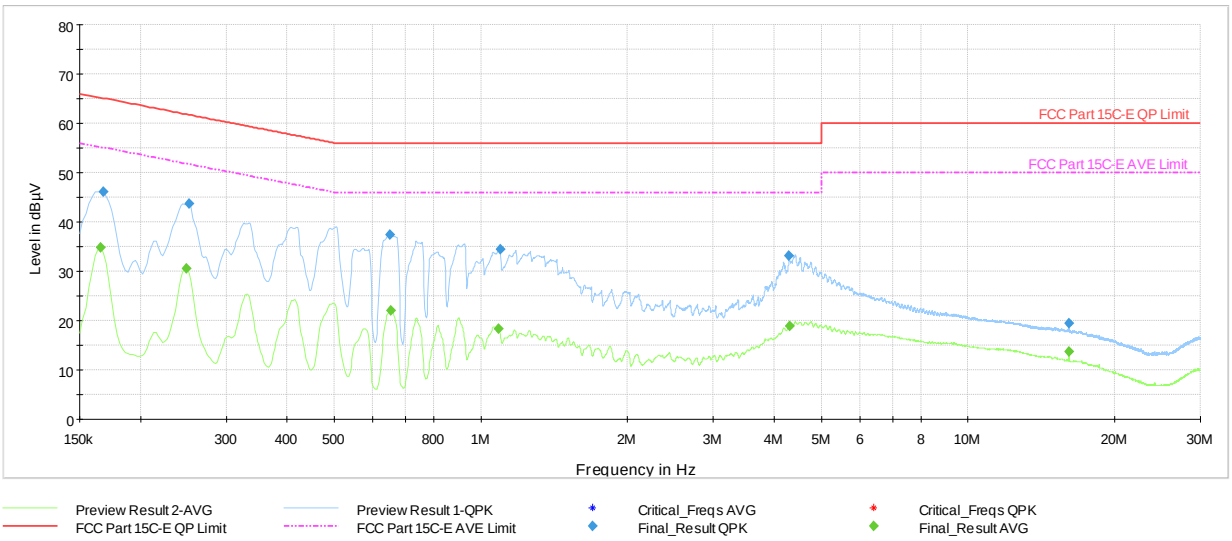


Figure 7-8. Test Instrument & Measurement Setup

Test Notes

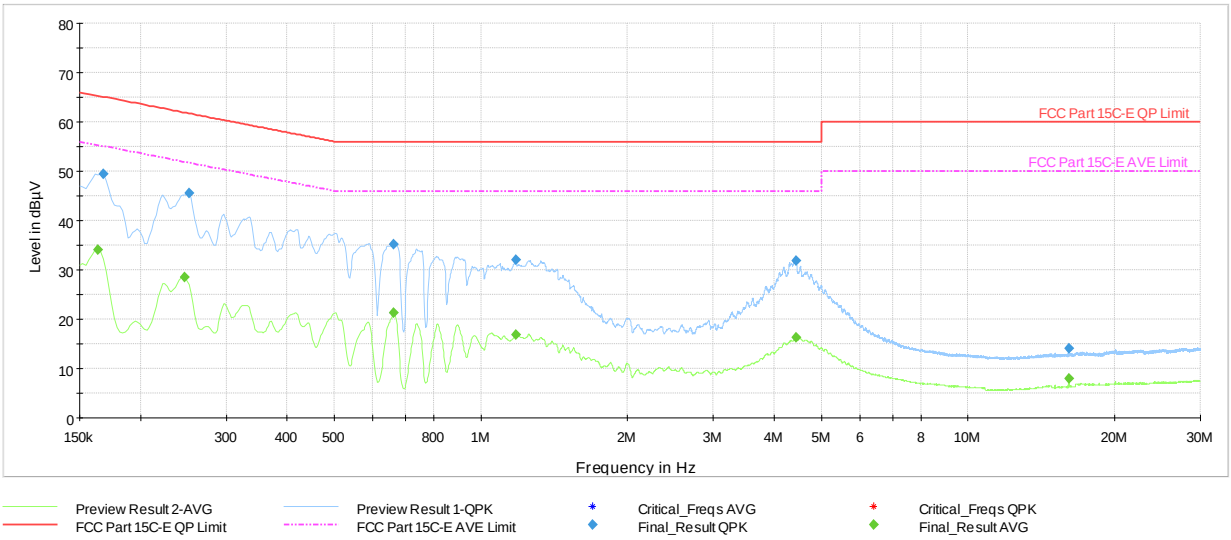
1. All modes of operation were investigated and the worst-case emissions are reported. The emissions found were not affected by the choice of channel used during testing.
2. Both configurations below were investigated, and the worst case has been reported.
    a. EUT powered by AC/DC adaptor via USB-C 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 and RSS-Gen (8.8).
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 7-1096. AC Line Conducted Plot with 11ax UNII Band 1 CDD Primary – RU26 – Ch.40 (L1) with AC/DC Adapter

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.166	FINAL	—	34.76	55.17	-20.41	L1	GND
0.168	FINAL	46.0	—	65.06	-19.02	L1	GND
0.249	FINAL	—	30.58	51.79	-21.21	L1	GND
0.251	FINAL	43.7	—	61.72	-17.98	L1	GND
0.652	FINAL	37.3	—	56.00	-18.68	L1	GND
0.654	FINAL	—	21.99	46.00	-24.01	L1	GND
1.088	FINAL	—	18.30	46.00	-27.70	L1	GND
1.095	FINAL	34.4	—	56.00	-21.58	L1	GND
4.295	FINAL	33.1	—	56.00	-22.88	L1	GND
4.297	FINAL	—	18.80	46.00	-27.20	L1	GND
16.118	FINAL	—	13.69	50.00	-36.31	L1	GND
16.118	FINAL	19.5	—	60.00	-40.53	L1	GND

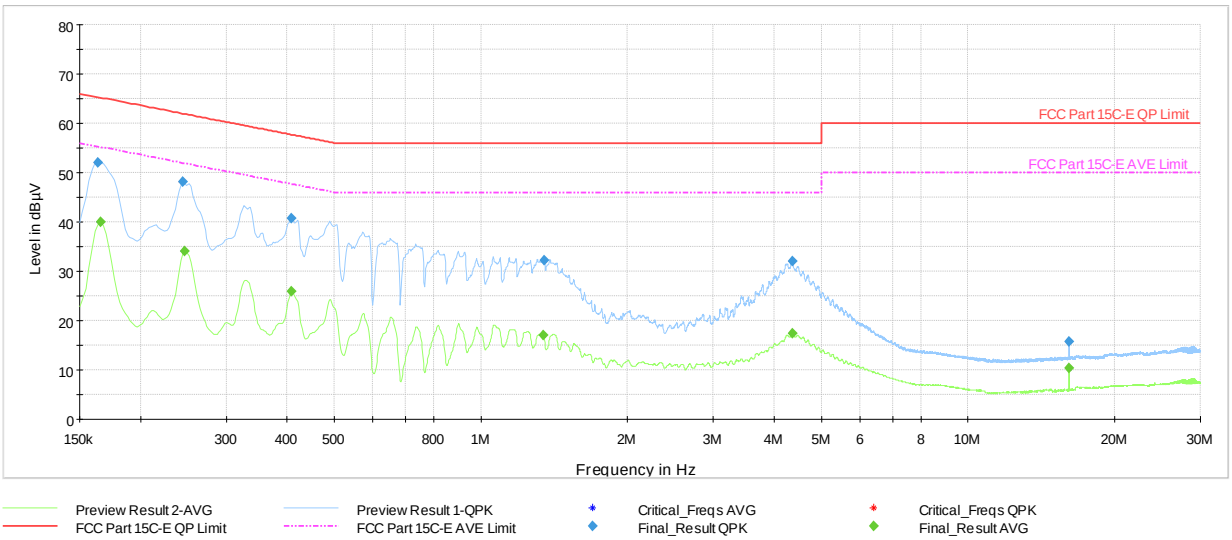
Table 7-329. AC Line Conducted with 11ax UNII Band 1 CDD Primary– RU26 – Ch.40 (L1) with AC/DC Adapter



Plot 7-1097. AC Line Conducted Plot with 11ax UNII Band 1 CDD Primary – RU26 – Ch.40 (N) with AC/DC Adapter

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.164	FINAL	—	34.05	55.28	-21.23	N	GND
0.168	FINAL	49.4	—	65.06	-15.68	N	GND
0.247	FINAL	—	28.45	51.87	-23.42	N	GND
0.251	FINAL	45.5	—	61.72	-16.23	N	GND
0.663	FINAL	—	21.22	46.00	-24.78	N	GND
0.663	FINAL	35.2	—	56.00	-20.81	N	GND
1.178	FINAL	—	16.88	46.00	-29.12	N	GND
1.181	FINAL	32.1	—	56.00	-23.89	N	GND
4.427	FINAL	31.9	—	56.00	-24.15	N	GND
4.427	FINAL	—	16.34	46.00	-29.66	N	GND
16.109	FINAL	—	7.95	50.00	-42.05	N	GND
16.109	FINAL	14.0	—	60.00	-45.97	N	GND

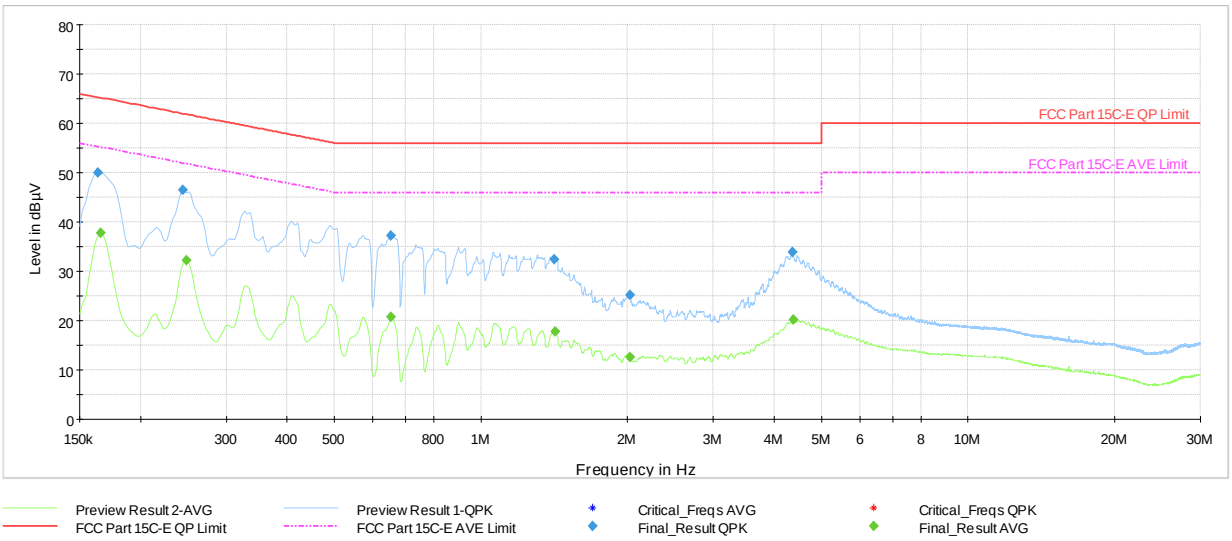
Table 7-330. AC Line Conducted with 11ax UNII Band 1 CDD Primary – RU26 – Ch.40 (N) with AC/DC Adapter



Plot 7-1098. AC Line Conducted Plot with 11ax UNII Band 1 CDD Primary – RU242 – Ch.40 (L1) with AC/DC Adapter

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.164	FINAL	52.1	—	65.28	-13.21	L1	GND
0.166	FINAL	—	39.95	55.17	-15.22	L1	GND
0.245	FINAL	48.1	—	61.94	-13.83	L1	GND
0.247	FINAL	—	33.99	51.87	-17.87	L1	GND
0.409	FINAL	40.8	—	57.67	-16.91	L1	GND
0.409	FINAL	—	25.85	47.67	-21.83	L1	GND
1.345	FINAL	—	16.99	46.00	-29.01	L1	GND
1.347	FINAL	32.2	—	56.00	-23.85	L1	GND
4.355	FINAL	32.1	—	56.00	-23.90	L1	GND
4.360	FINAL	—	17.33	46.00	-28.67	L1	GND
16.091	FINAL	—	10.43	50.00	-39.57	L1	GND
16.091	FINAL	15.7	—	60.00	-44.34	L1	GND

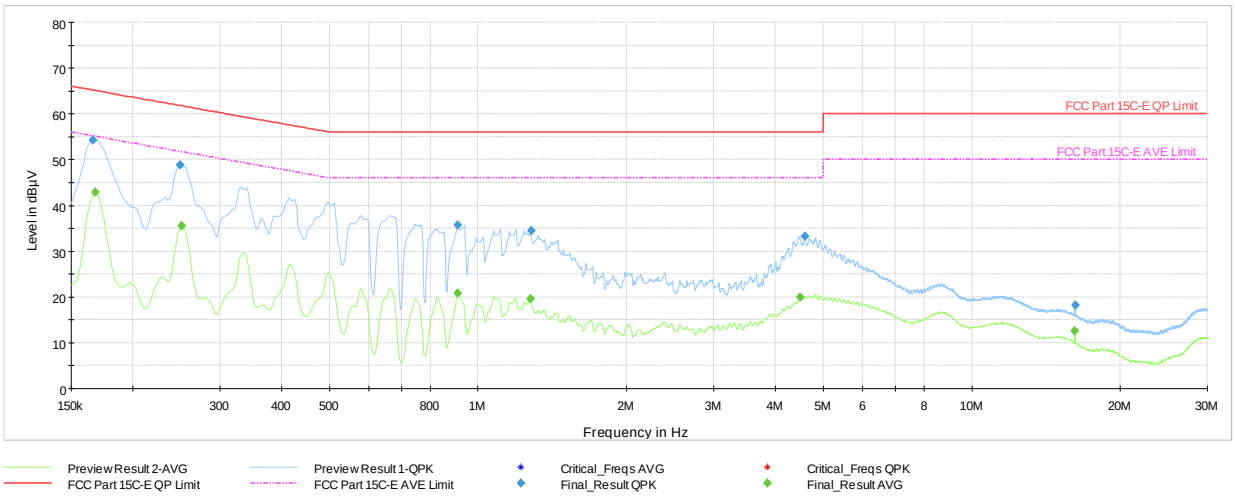
Table 7-331. AC Line Conducted with 11ax UNII Band 1 CDD Primary – RU242 – Ch.40 (L1) with AC/DC Adapter



Plot 7-1099. AC Line Conducted Plot with 11ax UNII Band 1 CDD Primary – RU242 – Ch.40 (N) with AC/DC Adapter

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.164	FINAL	50.1	—	65.28	-15.21	N	GND
0.166	FINAL	—	37.74	55.17	-17.43	N	GND
0.245	FINAL	46.4	—	61.94	-15.55	N	GND
0.249	FINAL	—	32.18	51.79	-19.61	N	GND
0.654	FINAL	—	20.81	46.00	-25.19	N	GND
0.654	FINAL	37.2	—	56.00	-18.76	N	GND
1.412	FINAL	32.5	—	56.00	-23.55	N	GND
1.419	FINAL	—	17.87	46.00	-28.13	N	GND
2.024	FINAL	25.2	—	56.00	-30.83	N	GND
2.024	FINAL	—	12.53	46.00	-33.47	N	GND
4.367	FINAL	33.8	—	56.00	-22.20	N	GND
4.371	FINAL	—	20.10	46.00	-25.90	N	GND

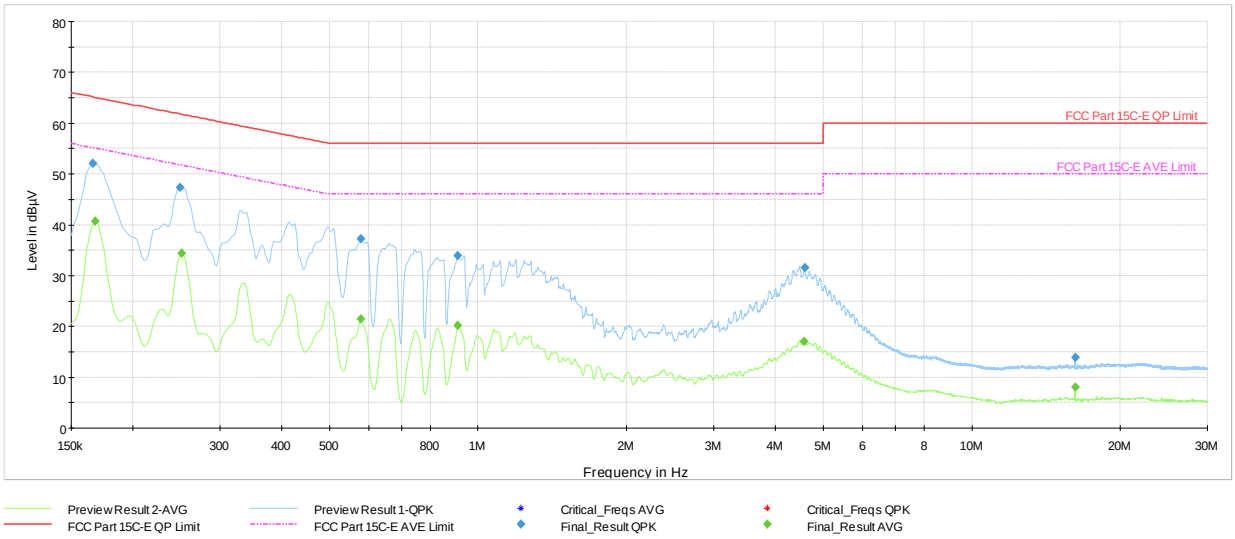
Table 7-332. AC Line Conducted with 11ax UNII Band 1 CDD Primary – RU242 – Ch.40 (N) with AC/DC Adapter



Plot 7-1100. AC Line Conducted Plot with 11ax UNII Band 1 CDD Diversity – RU26 – Ch.40 (L1) with AC/DC Adapter

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.166	FINAL	54.3	—	65.17	-10.86	L1	GND
0.168	FINAL	—	42.91	55.06	-12.15	L1	GND
0.249	FINAL	48.8	—	61.79	-12.96	L1	GND
0.251	FINAL	—	35.61	51.72	-16.11	L1	GND
0.911	FINAL	35.8	—	56.00	-20.24	L1	GND
0.911	FINAL	—	20.90	46.00	-25.10	L1	GND
1.277	FINAL	—	19.54	46.00	-26.46	L1	GND
1.280	FINAL	34.4	—	56.00	-21.57	L1	GND
4.493	FINAL	—	20.04	46.00	-25.96	L1	GND
4.585	FINAL	33.3	—	56.00	-22.69	L1	GND
16.177	FINAL	—	12.65	50.00	-37.35	L1	GND
16.179	FINAL	18.1	—	60.00	-41.88	L1	GND

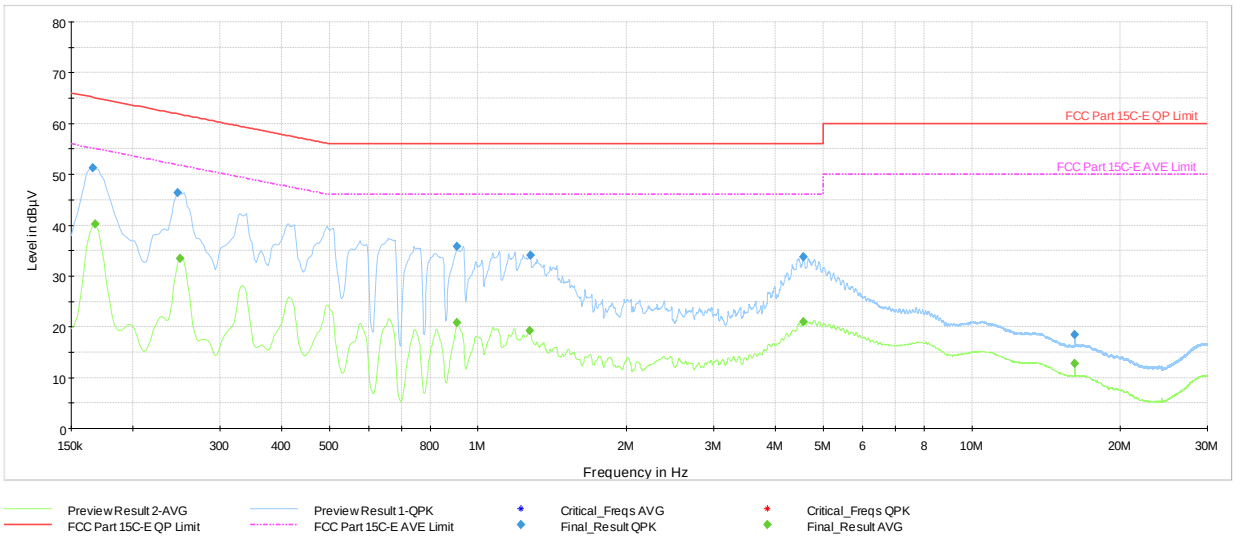
Table 7-333. AC Line Conducted with 11ax UNII Band 1 CDD Diversity– RU26 – Ch.40 (L1) with AC/DC Adapter



Plot 7-1101. AC Line Conducted Plot with 11ax UNII Band 1 CDD Diversity – RU26 – Ch.40 (N) with AC/DC Adapter

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.166	FINAL	52.0	—	65.17	-13.17	N	GND
0.168	FINAL	—	40.73	55.06	-14.33	N	GND
0.249	FINAL	47.4	—	61.79	-14.42	N	GND
0.251	FINAL	—	34.33	51.72	-17.39	N	GND
0.580	FINAL	37.2	—	56.00	-18.82	N	GND
0.580	FINAL	—	21.42	46.00	-24.58	N	GND
0.911	FINAL	34.0	—	56.00	-22.01	N	GND
0.911	FINAL	—	20.17	46.00	-25.83	N	GND
4.580	FINAL	—	17.03	46.00	-28.97	N	GND
4.587	FINAL	31.6	—	56.00	-24.45	N	GND
16.181	FINAL	—	8.01	50.00	-41.99	N	GND
16.181	FINAL	13.9	—	60.00	-46.07	N	GND

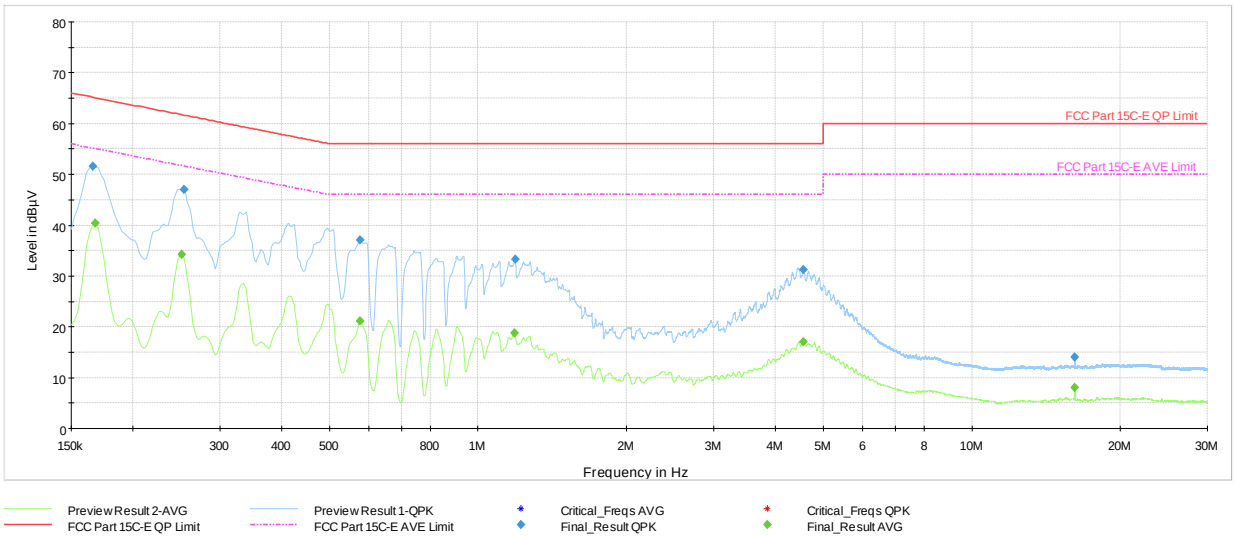
Table 7-334. AC Line Conducted with 11ax UNII Band 1 CDD Diversity – RU26 – Ch.40 (N) with AC/DC Adapter



Plot 7-1102. AC Line Conducted Plot with 11ax UNII Band 1 CDD Diversity – RU242 – Ch.40 (L1) with AC/DC Adapter

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.166	FINAL	51.3	—	65.17	-13.92	L1	GND
0.168	FINAL	—	40.17	55.06	-14.89	L1	GND
0.247	FINAL	46.5	—	61.87	-15.40	L1	GND
0.249	FINAL	—	33.51	51.79	-18.28	L1	GND
0.906	FINAL	35.8	—	56.00	-20.16	L1	GND
0.906	FINAL	—	20.78	46.00	-25.22	L1	GND
1.273	FINAL	—	19.20	46.00	-26.80	L1	GND
1.275	FINAL	34.1	—	56.00	-21.89	L1	GND
4.562	FINAL	—	20.93	46.00	-25.07	L1	GND
4.567	FINAL	33.8	—	56.00	-22.24	L1	GND
16.175	FINAL	—	12.76	50.00	-37.24	L1	GND
16.177	FINAL	18.4	—	60.00	-41.57	L1	GND

Table 7-335. AC Line Conducted with 11ax UNII Band 1 CDD Diversity – RU242 – Ch.40 (L1) with AC/DC Adapter



Plot 7-1103. AC Line Conducted Plot with 11ax UNII Band 1 CDD Diversity – RU242 – Ch.40 (N) with AC/DC Adapter

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.166	FINAL	51.5	—	65.17	-13.63	N	GND
0.168	FINAL	—	40.39	55.06	-14.67	N	GND
0.251	FINAL	—	34.17	51.72	-17.54	N	GND
0.254	FINAL	47.0	—	61.64	-14.63	N	GND
0.578	FINAL	—	21.07	46.00	-24.93	N	GND
0.578	FINAL	37.1	—	56.00	-18.95	N	GND
1.185	FINAL	—	18.73	46.00	-27.27	N	GND
1.190	FINAL	33.3	—	56.00	-22.73	N	GND
4.558	FINAL	31.2	—	56.00	-24.76	N	GND
4.560	FINAL	—	17.04	46.00	-28.96	N	GND
16.177	FINAL	—	8.02	50.00	-41.98	N	GND
16.177	FINAL	14.0	—	60.00	-45.97	N	GND

Table 7-336. AC Line Conducted with 11ax UNII Band 1 CDD Diversity – RU242 – Ch.40 (N) with AC/DC Adapter

8.0 CONCLUSION

The data collected relate only the item(s) tested and show that the **Apple Tablet Device FCC ID: BCGA2899** and **IC: 579C-A2899** is in compliance with 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.