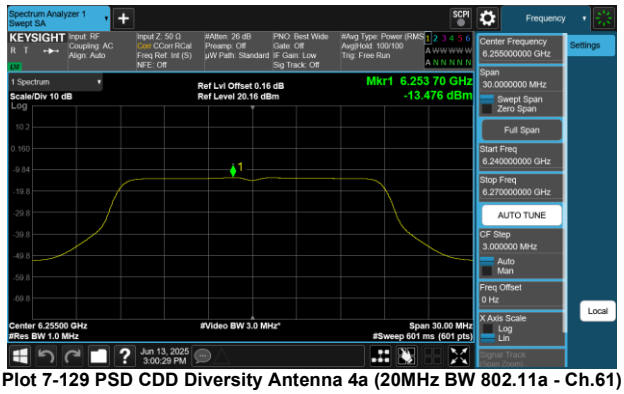
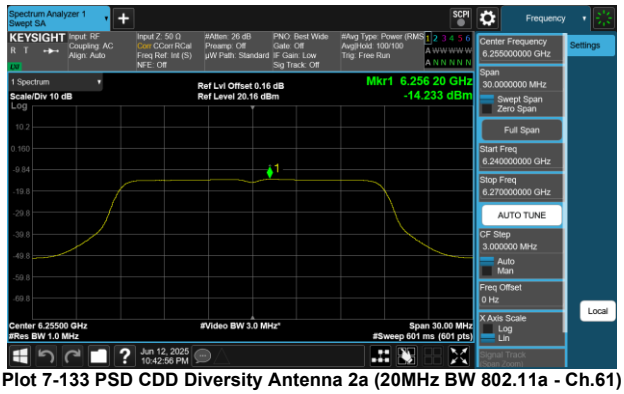
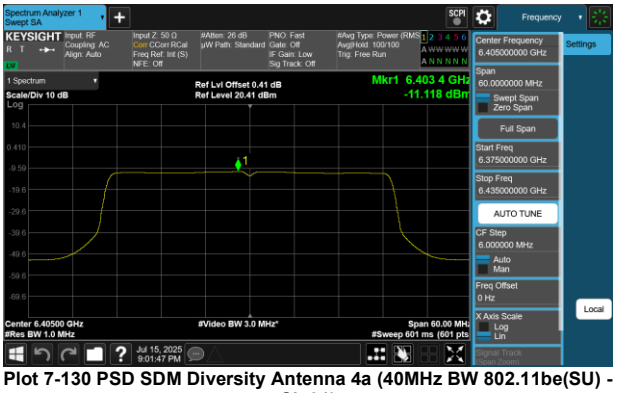


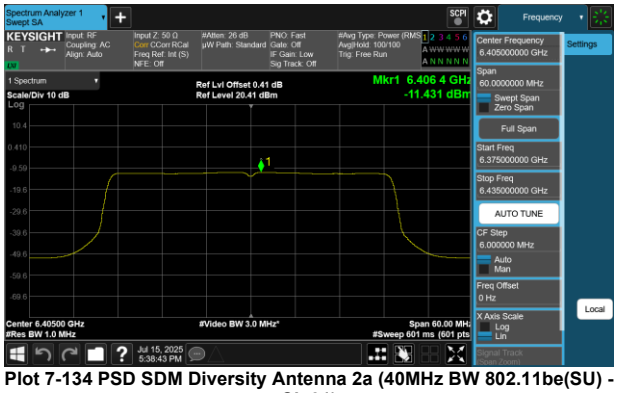
Plot 7-129 PSD CDD Diversity Antenna 4a (20MHz BW 802.11a - Ch.61)



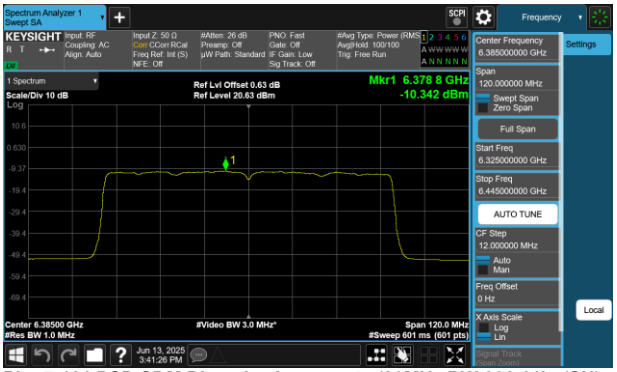
Plot 7-133 PSD CDD Diversity Antenna 2a (20MHz BW 802.11a - Ch.61)



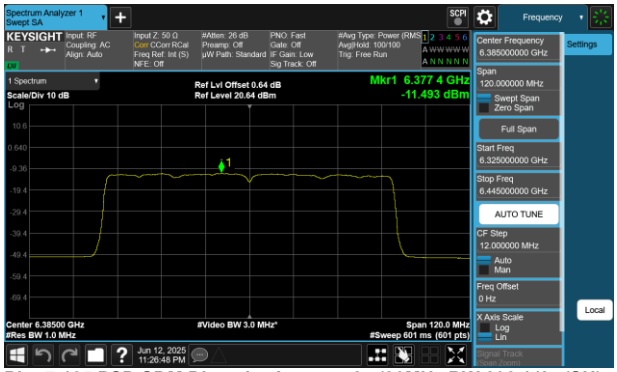
Plot 7-130 PSD SDM Diversity Antenna 4a (40MHz BW 802.11be(SU) - Ch.91)



Plot 7-134 PSD SDM Diversity Antenna 2a (40MHz BW 802.11be(SU) - Ch.91)



Plot 7-131 PSD SDM Diversity Antenna 4a (80MHz BW 802.11be(SU) - Ch.87)



Plot 7-135 PSD SDM Diversity Antenna 2a (80MHz BW 802.11be(SU) - Ch.87)

Plot 7-132 PSD SDM Diversity Antenna 4a (160MHz BW 802.11be(SU) - Ch.79)

Plot 7-136 PSD SDM Diversity Antenna 2a (160MHz BW 802.11be(SU) - Ch.79)

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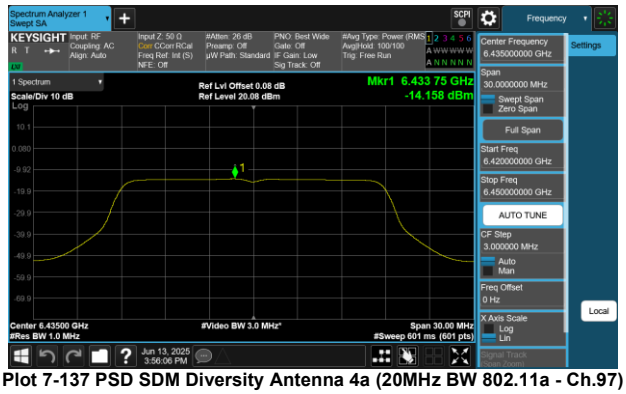
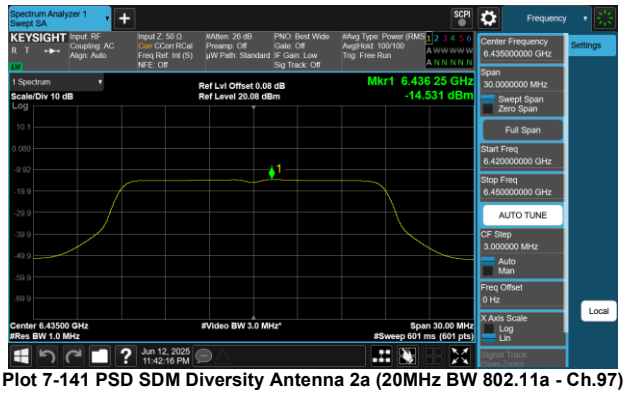
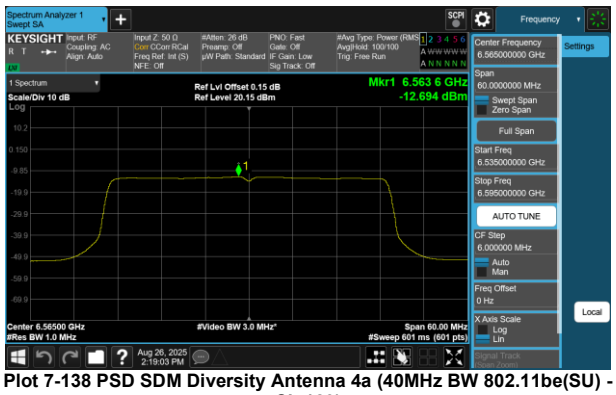


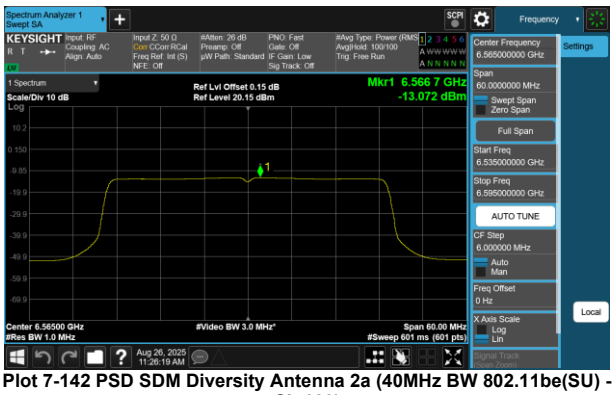
Plot 7-137 PSD SDM Diversity Antenna 4a (20MHz BW 802.11a - Ch.97)



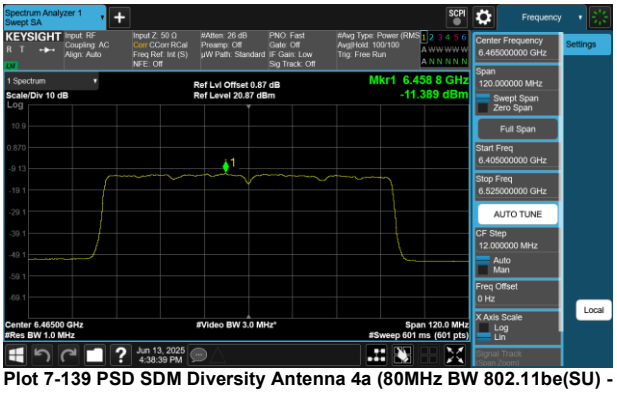
Plot 7-141 PSD SDM Diversity Antenna 2a (20MHz BW 802.11a - Ch.97)



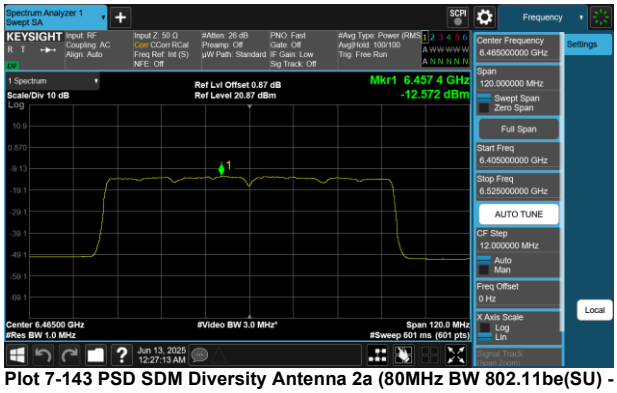
Plot 7-138 PSD SDM Diversity Antenna 4a (40MHz BW 802.11be(SU) - Ch.123)



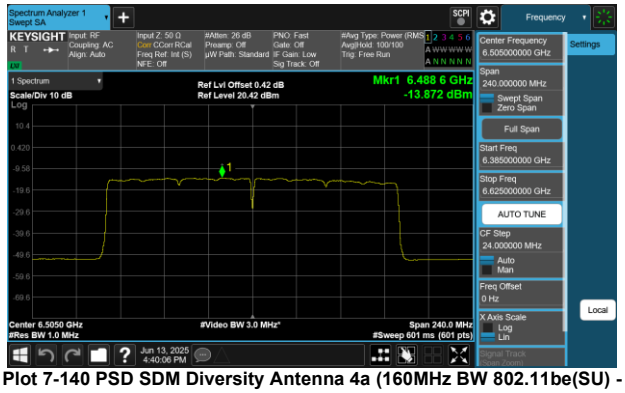
Plot 7-142 PSD SDM Diversity Antenna 2a (40MHz BW 802.11be(SU) - Ch.123)



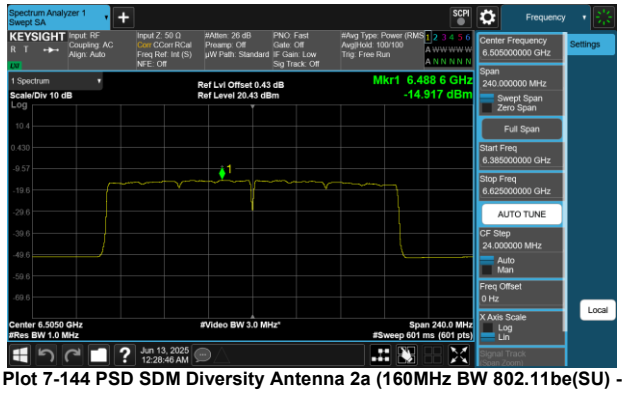
Plot 7-139 PSD SDM Diversity Antenna 4a (80MHz BW 802.11be(SU) - Ch.103)



Plot 7-143 PSD SDM Diversity Antenna 2a (80MHz BW 802.11be(SU) - Ch.103)



Plot 7-140 PSD SDM Diversity Antenna 4a (160MHz BW 802.11be(SU) - Ch.111)



Plot 7-144 PSD SDM Diversity Antenna 2a (160MHz BW 802.11be(SU) - Ch.111)

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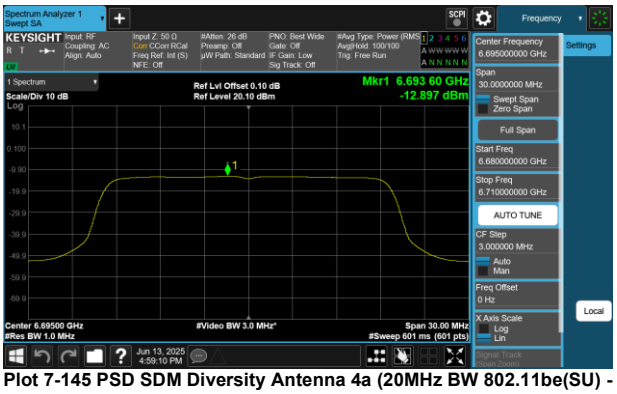
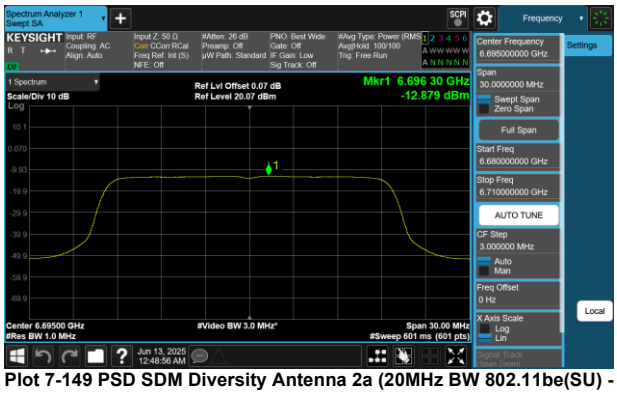
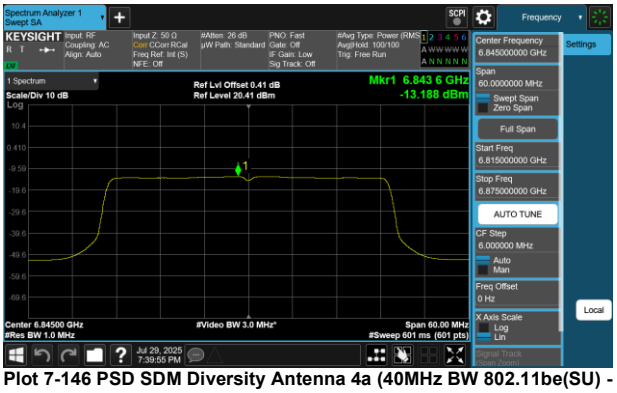


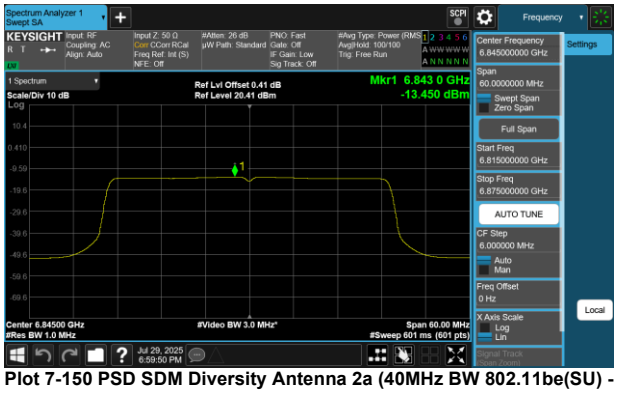
Plot 7-145 PSD SDM Diversity Antenna 4a (20MHz BW 802.11be(SU) - Ch.149)



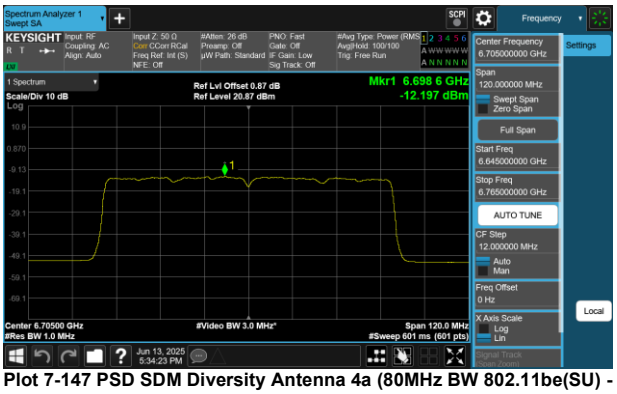
Plot 7-149 PSD SDM Diversity Antenna 2a (20MHz BW 802.11be(SU) - Ch.149)



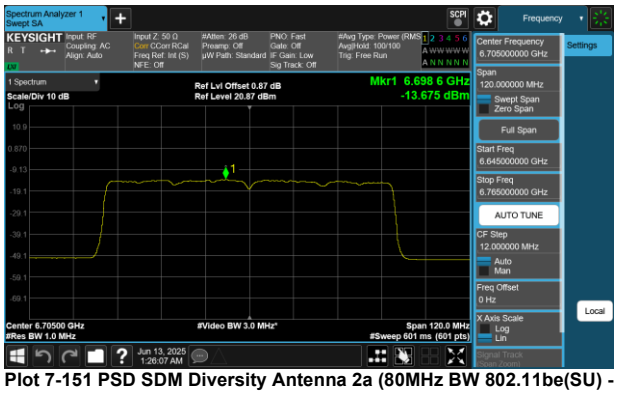
Plot 7-146 PSD SDM Diversity Antenna 4a (40MHz BW 802.11be(SU) - Ch.179)



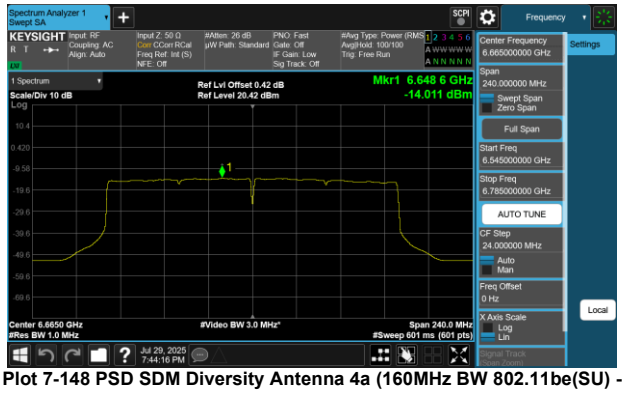
Plot 7-150 PSD SDM Diversity Antenna 2a (40MHz BW 802.11be(SU) - Ch.179)



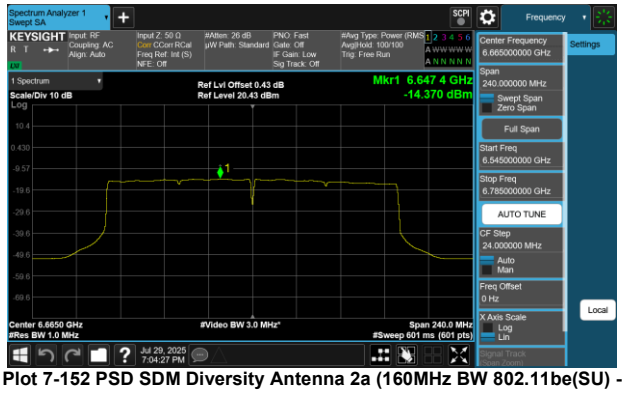
Plot 7-147 PSD SDM Diversity Antenna 4a (80MHz BW 802.11be(SU) - Ch.151)



Plot 7-151 PSD SDM Diversity Antenna 2a (80MHz BW 802.11be(SU) - Ch.151)



Plot 7-148 PSD SDM Diversity Antenna 4a (160MHz BW 802.11be(SU) - Ch.143)



Plot 7-152 PSD SDM Diversity Antenna 2a (160MHz BW 802.11be(SU) - Ch.143)

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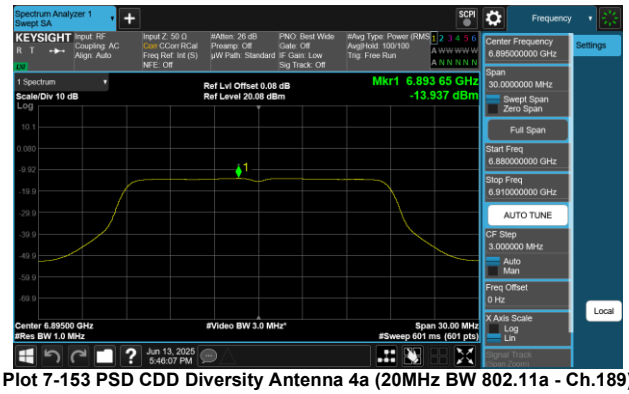
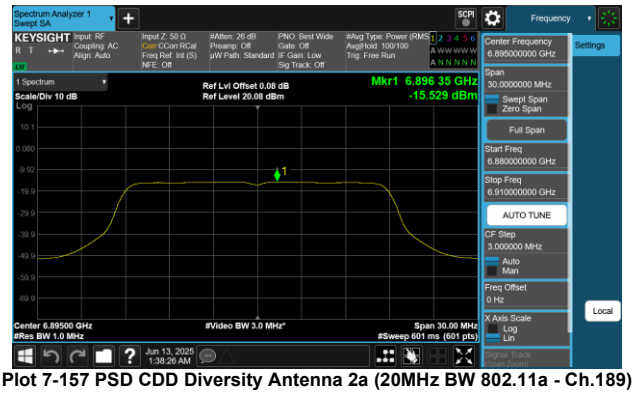
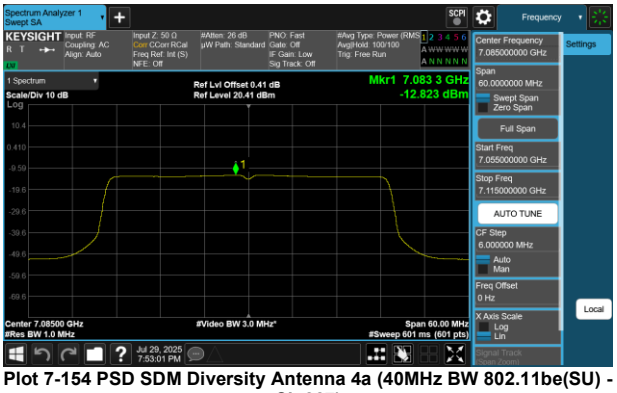


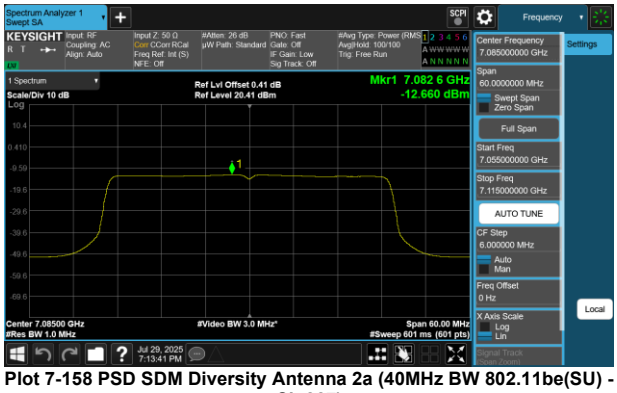
Plot 7-153 PSD CDD Diversity Antenna 4a (20MHz BW 802.11a - Ch.189)



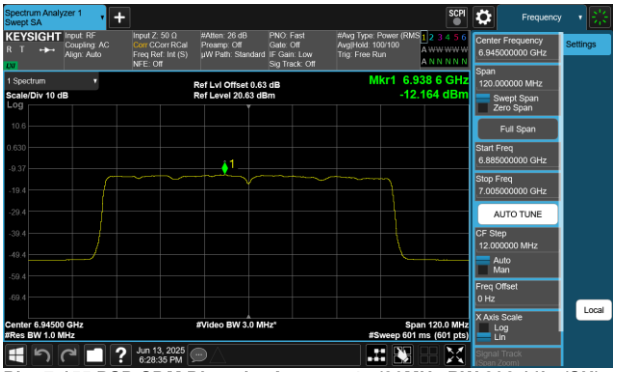
Plot 7-157 PSD CDD Diversity Antenna 2a (20MHz BW 802.11a - Ch.189)



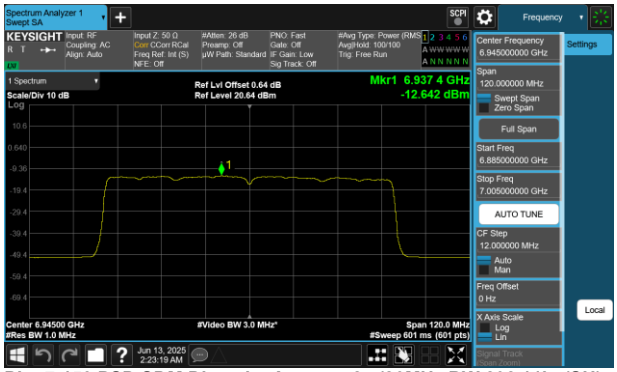
Plot 7-154 PSD SDM Diversity Antenna 4a (40MHz BW 802.11be(SU) - Ch.227)



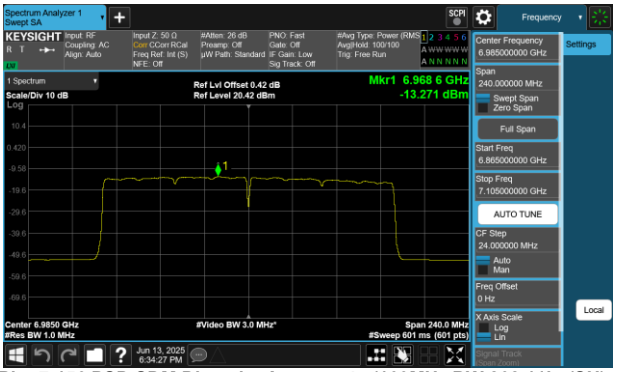
Plot 7-158 PSD SDM Diversity Antenna 2a (40MHz BW 802.11be(SU) - Ch.227)



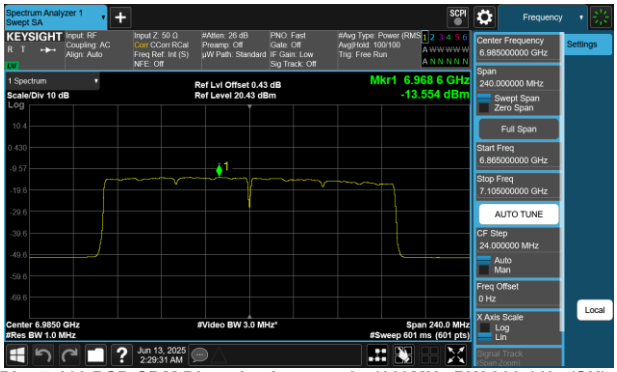
Plot 7-155 PSD SDM Diversity Antenna 4a (80MHz BW 802.11be(SU) - Ch.199)



Plot 7-159 PSD SDM Diversity Antenna 2a (80MHz BW 802.11be(SU) - Ch.199)



Plot 7-156 PSD SDM Diversity Antenna 4a (160MHz BW 802.11be(SU) - Ch.207)



Plot 7-160 PSD SDM Diversity Antenna 2a (160MHz BW 802.11be(SU) - Ch.207)

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Note:

Per ANSI C63.10-2020 Section 14.5.2.2 and KDB 662911 v02r01 Section E)2), the power spectral density at Antenna WF5B and Antenna 4a were first measured separately as shown in the section above. The measured values were then summed in linear power units then converted back to dBm.

Sample Directional Gain Calculation:

For correlated signals, assuming the antenna gain is 2.4 dBi for Antenna WF5B and -0.3 dBi for Antenna 4a.

$$\text{Directional gain} = 10 \log[(10^{G_1/20} + 10^{G_2/20} + \ldots + 10^{G_N/20})^2 / N_{ANT}] \text{ dBi}$$
$$= 10 \log[(10^{2.4/20} + 10^{-0.3/20})^2 / 2] \text{ dBi}$$
$$= 4.16 \text{ dBi}$$

For uncorrelated signals, assuming the antenna gain is 2.4 dBi for Antenna WF5B and -0.3 dBi for Antenna 4a.

$$\text{Directional gain} = 10 \log[(10^{G_1/10} + 10^{G_2/10} + \ldots + 10^{G_N/10}) / N_{ANT}] \text{ dBi}$$
$$= 10 \log[(10^{2.4/10} + 10^{-0.3/10} / 2] \text{ dBi}$$
$$= 1.26 \text{ dBi}$$

Sample SDM Calculation:

At 6115MHz in 802.11a (20MHz BW) mode, the average conducted power spectral density was measured to be -14.52 dBm for Antenna WF5B and -14.34 dBm for Antenna 4a.

Antenna WF5B + Antenna 4a = CDD/SDM

(-14.52 dBm + -14.34 dBm) = (0.035 mW + 0.037 mW) = 0.072 mW = -11.42 dBm

Sample e.i.r.p Power Spectral Density Calculation:

At 6115MHz in 802.11a (20MHz BW) mode, the average CDD power density was calculated to be -11.42 dBm with directional gain of 4.16 dBi.

e.i.r.p. Power Spectral Density(dBm) = Power Spectral Density (dBm) + Ant gain (dBi)

-11.42 dBm + 4.16 dBi = -7.25 dBm

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7.5 In-Band Emissions

§15.407(b)(7); RSS-248[4.6.2]

Test Overview and Limit

The spectrum analyzer was connected to the antenna terminal while the EUT was operating at its maximum duty cycle, at its maximum power control level, as defined in ANSI C63.10-2020 and KDB 789033 D02 v02r01, and at the appropriate frequencies.

For transmitters operating within the 5.925-7.125 GHz bands: Power spectral density must be suppressed by 20 dB at 1 MHz outside of channel edge, by 28 dB at one channel bandwidth from the channel center, and by 40 dB at one- and one-half times the channel bandwidth away from channel center. At frequencies between one megahertz outside an unlicensed device's channel edge and one channel bandwidth from the center of the channel, the limits must be linearly interpolated between 20 dB and 28 dB suppression, and at frequencies between one and one- and one-half times an unlicensed device's channel bandwidth, the limits must be linearly interpolated between 28 dB and 40 dB suppression. Emissions removed from the channel center by more than one- and one-half times the channel bandwidth must be suppressed by at least 40 dB.

Test Procedure Used

ANSI C63.10-2020 – Section 12.4.2.2
KDB 987594 D02 v03 – Section J

Test Settings

1. Connect output of the antenna port to a spectrum analyzer or EMI receiver, with appropriate attenuation, as to not damage the instrumentation.
2. Set the reference level of the measuring equipment in accordance with procedure 4.1.6.2 of ANSI C63.10-2020.
3. Measure the 26 dB EBW using the test procedure 12.4.1 of ANSI C63.10-2020. (This will be used to determine the channel edge.)
4. Measure the power spectral density (which will be used for emissions mask reference) using the following procedure:
    a) Set the span to encompass the entire 26 dB EBW of the signal.
    b) Set RBW = same RBW used for 26 dB EBW measurement.
    c) Set VBW ≥ 3 X RBW
    d) Number of points in sweep ≥ [2 X span / RBW].
    e) Sweep time = auto.
    f) Detector = RMS (i.e., power averaging)
    g) Trace average at least 100 traces in power averaging (rms) mode.
    h) Use the peak search function on the instrument to find the peak of the spectrum.
5. For the purposes of developing the emission mask, the channel bandwidth is defined as the 26 dB EBW.
6. Using the measuring equipment limit line function, develop the emissions mask based on the following requirements. The emissions power spectral density must be reduced below the peak power spectral density (in dB) as follows:
    i) Suppressed by 20 dB at 1 MHz outside of the channel edge. (The channel edge is defined as the 26-dB point on either side of the carrier center frequency.)
    j) Suppressed by 28 dB at one channel bandwidth from the channel center.
    k) Suppressed by 40 dB at one- and one-half times the channel bandwidth from the channel center.
7. Adjust the span to encompass the entire mask as necessary.
8. Clear trace.
9. Trace average at least 100 traces in power averaging (rms) mode.
10. Adjust the reference level as necessary so that the crest of the channel touches the top of the emission mask.

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Test Setup

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

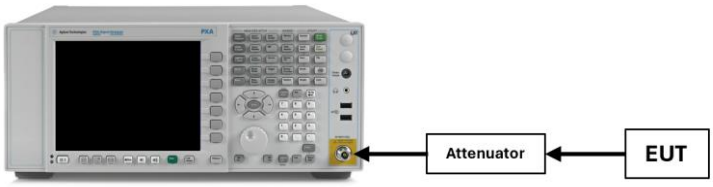

Figure 7-4. Test Instrument & Measurement Setup

Test Notes

1. All data rates and channels were investigated, and tabular data has been reported. Only the worst-case plot was reported.

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7.5.1 Antenna WF5B In-Band Emission Measurements – VLP

	Frequency [MHz]	Channel No.	802.11 Mode	Data Rate	Antenna WF5B In-Band Emission
Band 5	6115	33	a	6Mbps	Pass
	6175	61	a	6Mbps	Pass
	6415	93	a	6Mbps	Pass
	6115	33	be (20MHz)	MCS0	Pass
	6175	61	be (20MHz)	MCS3	Pass
	6415	93	be (20MHz)	MCS0	Pass
	6125	35	be (40MHz)	MCS3	Pass
	6165	59	be (40MHz)	MCS3	Pass
	6405	91	be (40MHz)	MCS0	Pass
	6145	39	be (80MHz)	MCS0	Pass
	6145	55	be (80MHz)	MCS3	Pass
	6385	87	be (80MHz)	MCS5	Pass
	6185	47	be (160MHz)	MCS0	Pass
	6345	79	be (160MHz)	MCS0	Pass
Band 6	6435	97	a	6Mbps	Pass
	6475	105	a	6Mbps	Pass
	6515	113	a	12Mbps	Pass
	6345	97	be (20MHz)	MCS5	Pass
	6475	105	be (20MHz)	MCS0	Pass
	6515	113	be (20MHz)	MCS0	Pass
	6445	99	be (40MHz)	MCS5	Pass
	6485	107	be (40MHz)	MCS3	Pass
	6525	115	be (40MHz)	MCS3	Pass
	6465	103	be (80MHz)	MCS0	Pass
	6505	111	be (160MHz)	MCS0	Pass
Band 7	6535	117	a	12Mbps	Pass
	6695	149	a	12Mbps	Pass
	6875	185	a	12Mbps	Pass
	6535	117	be (20MHz)	MCS5	Pass
	6695	149	be (20MHz)	MCS0	Pass
	6875	185	be (20MHz)	MCS0	Pass
	6565	123	be (40MHz)	MCS5	Pass
	6725	155	be (40MHz)	MCS0	Pass
	6885	179	be (40MHz)	MCS0	Pass
	6545	119	be (80MHz)	MCS0	Pass
	6705	151	be (80MHz)	MCS0	Pass
	6865	183	be (80MHz)	MCS0	Pass
	6665	143	be (160MHz)	MCS0	Pass
	6825	175	be (160MHz)	MCS0	Pass
Band 8	6895	189	a	36Mbps	Pass
	6995	209	a	12Mbps	Pass
	7115	233	a	36Mbps	Pass
	6895	189	be (20MHz)	MCS5	Pass
	6995	209	be (20MHz)	MCS5	Pass
	7115	233	be (20MHz)	MCS0	Pass
	6925	187	be (40MHz)	MCS0	Pass
	7005	211	be (40MHz)	MCS3	Pass
	7085	227	be (40MHz)	MCS3	Pass
	6945	199	be (80MHz)	MCS0	Pass
	7025	215	be (80MHz)	MCS5	Pass
	6985	207	be (160MHz)	MCS0	Pass

Table 7-35. In-Band Emissions Measurement Antenna WF5B

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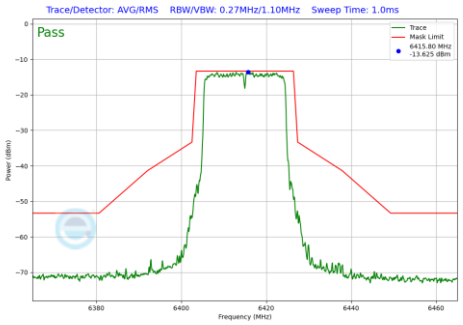
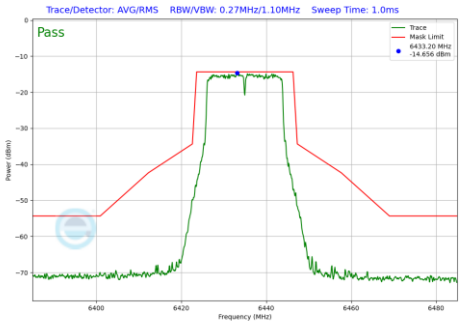
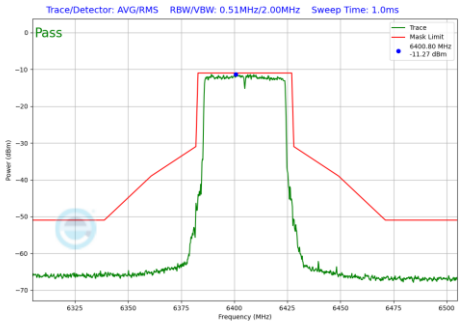


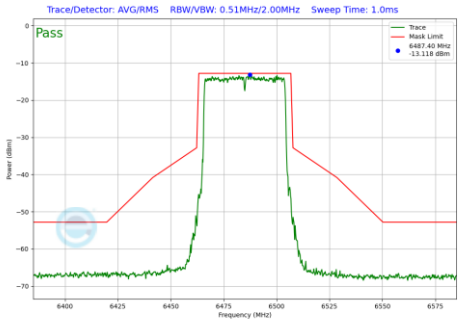
Plot 7-161 In-Band Emission Plot Antenna WF5B (20MHz BW 802.11be(SU) (UNII Band 5) - Ch.93)



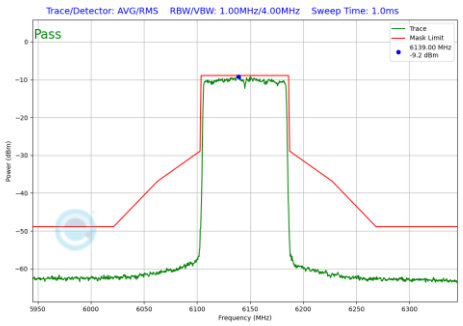
Plot 7-165 In-Band Emission Plot Antenna WF5B (20MHz BW 802.11a (UNII Band 6) - Ch.97)



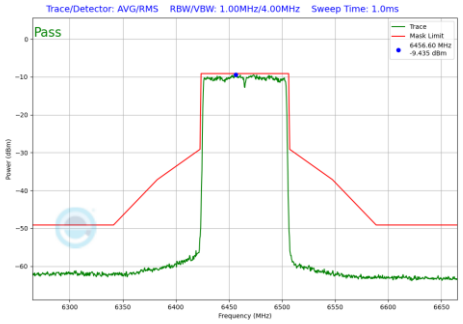
Plot 7-162 In-Band Emission Plot Antenna WF5B (40MHz BW 802.11be(SU) (UNII Band 5) - Ch.91)



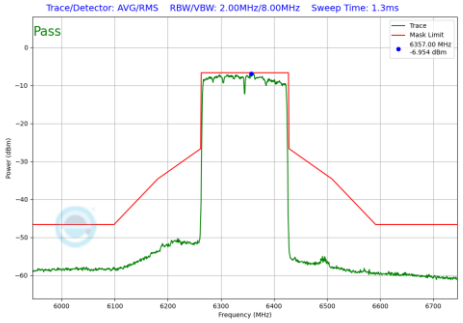
Plot 7-166 In-Band Emission Plot Antenna WF5B (40MHz BW 802.11be(SU) (UNII Band 6) - Ch.107)



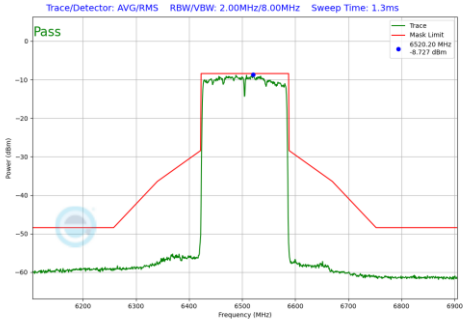
Plot 7-163 In-Band Emission Plot Antenna WF5B (80MHz BW 802.11be(SU) (UNII Band 5) - Ch.39)



Plot 7-167 In-Band Emission Plot Antenna WF5B (80MHz BW 802.11be(SU) (UNII Band 6) - Ch.103)



Plot 7-164 In-Band Emission Plot Antenna WF5B (160MHz BW 802.11be(SU) (UNII Band 5) - Ch.79)



Plot 7-168 In-Band Emission Plot Antenna WF5B (160MHz BW 802.11be(SU) (UNII Band 6) - Ch.111)

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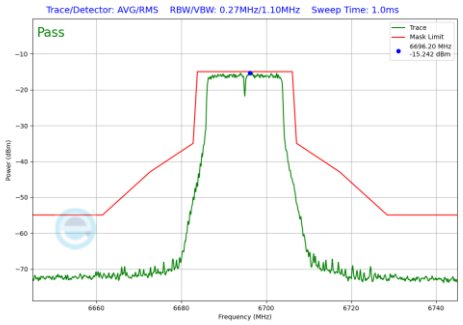
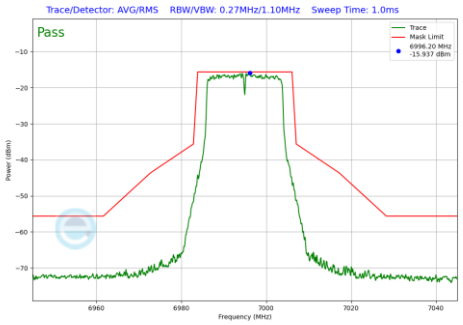
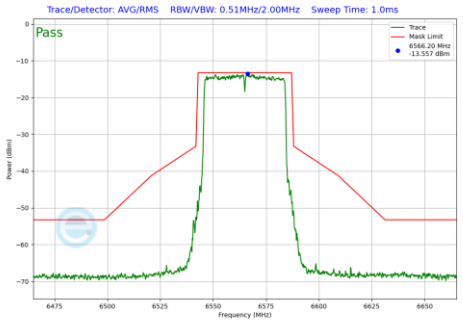


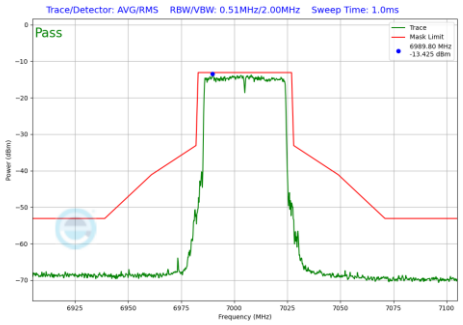
Plot 7-169 In-Band Emission Plot Antenna WF5B (20MHz BW 802.11a (UNII Band 7) - Ch.149)



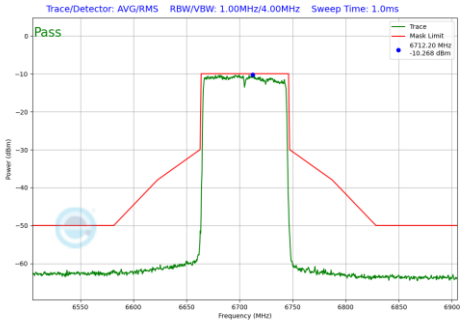
Plot 7-173 In-Band Emission Plot Antenna WF5B (20MHz BW 802.11a (UNII Band 8) - Ch.209)



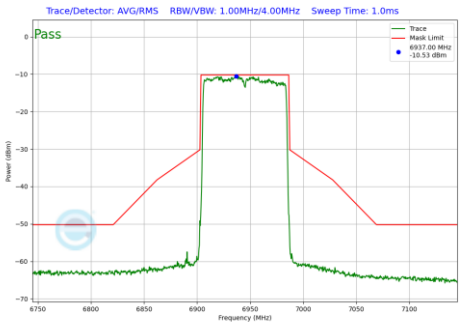
Plot 7-170 In-Band Emission Plot Antenna WF5B (40MHz BW 802.11be(SU) (UNII Band 7) - Ch.123)



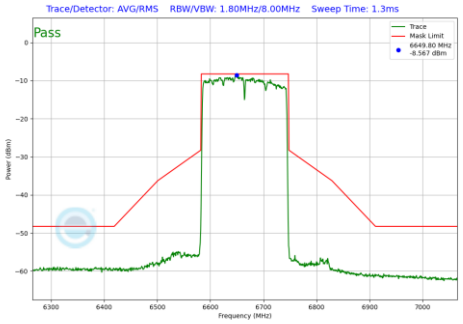
Plot 7-174 In-Band Emission Plot Antenna WF5B (40MHz BW 802.11be(SU) (UNII Band 8) - Ch.211)



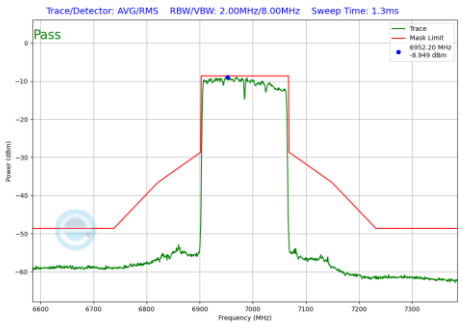
Plot 7-171 In-Band Emission Plot Antenna WF5B (80MHz BW 802.11be(SU) (UNII Band 7) - Ch.151)



Plot 7-175 In-Band Emission Plot Antenna WF5B (80MHz BW 802.11be(SU) (UNII Band 8) - Ch.199)



Plot 7-172 In-Band Emission Plot Antenna WF5B (160MHz BW 802.11be(SU) (UNII Band 7) - Ch.143)



Plot 7-176 In-Band Emission Plot Antenna WF5B (160MHz BW 802.11be(SU) (UNII Band 8) - Ch.207)

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7.5.2 Antenna 4a In-Band Emission Measurements – VLP

	Frequency [MHz]	Channel No.	802.11 Mode	Data Rate	Antenna 4a In-Band Emission
Band 5	6115	33	a	36Mbps	Pass
	6175	61	a	36Mbps	Pass
	6415	93	a	36Mbps	Pass
	6115	33	be (20MHz)	MCS5	Pass
	6175	61	be (20MHz)	MCS5	Pass
	6415	93	be (20MHz)	MCS5	Pass
	6125	35	be (40MHz)	MCS0	Pass
	6165	59	be (40MHz)	MCS3	Pass
	6405	91	be (40MHz)	MCS0	Pass
	6145	39	be (80MHz)	MCS5	Pass
	6145	55	be (80MHz)	MCS5	Pass
	6385	87	be (80MHz)	MCS5	Pass
	6185	47	be (160MHz)	MCS5	Pass
	6345	79	be (160MHz)	MCS3	Pass
Band 6	6435	97	a	36Mbps	Pass
	6475	105	a	12Mbps	Pass
	6515	113	a	12Mbps	Pass
	6345	97	be (20MHz)	MCS5	Pass
	6475	105	be (20MHz)	MCS5	Pass
	6515	113	be (20MHz)	MCS5	Pass
	6445	99	be (40MHz)	MCS0	Pass
	6485	107	be (40MHz)	MCS3	Pass
	6525	115	be (40MHz)	MCS3	Pass
	6465	103	be (80MHz)	MCS5	Pass
	6505	111	be (160MHz)	MCS3	Pass
Band 7	6535	117	a	12Mbps	Pass
	6695	149	a	36Mbps	Pass
	6875	185	a	36Mbps	Pass
	6535	117	be (20MHz)	MCS5	Pass
	6695	149	be (20MHz)	MCS5	Pass
	6875	185	be (20MHz)	MCS5	Pass
	6565	123	be (40MHz)	MCS5	Pass
	6725	155	be (40MHz)	MCS5	Pass
	6885	179	be (40MHz)	MCS5	Pass
	6545	119	be (80MHz)	MCS3	Pass
	6705	151	be (80MHz)	MCS5	Pass
	6865	183	be (80MHz)	MCS0	Pass
	6665	143	be (160MHz)	MCS3	Pass
	6825	175	be (160MHz)	MCS5	Pass
Band 8	6895	189	a	36Mbps	Pass
	6995	209	a	36Mbps	Pass
	7115	233	a	12Mbps	Pass
	6895	189	be (20MHz)	MCS5	Pass
	6995	209	be (20MHz)	MCS5	Pass
	7115	233	be (20MHz)	MCS3	Pass
	6925	187	be (40MHz)	MCS0	Pass
	7005	211	be (40MHz)	MCS5	Pass
	7085	227	be (40MHz)	MCS0	Pass
	6945	199	be (80MHz)	MCS5	Pass
	7025	215	be (80MHz)	MCS5	Pass
	6985	207	be (160MHz)	MCS3	Pass

Table 7-36. In-Band Emissions Measurement Antenna 4a

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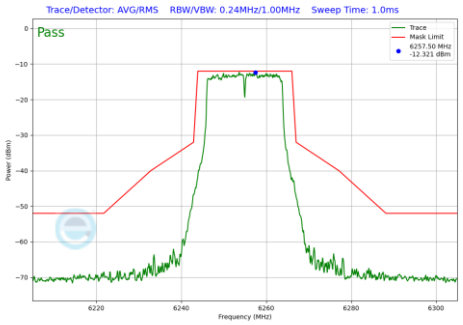
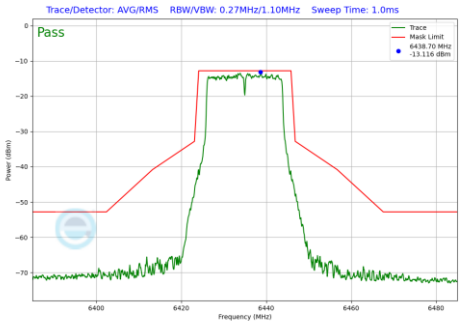
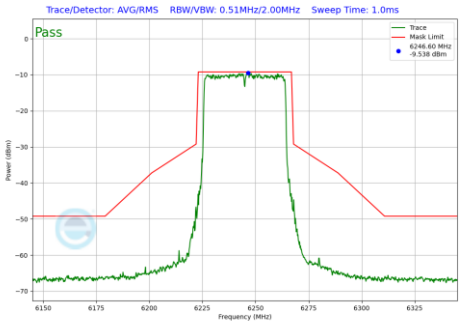


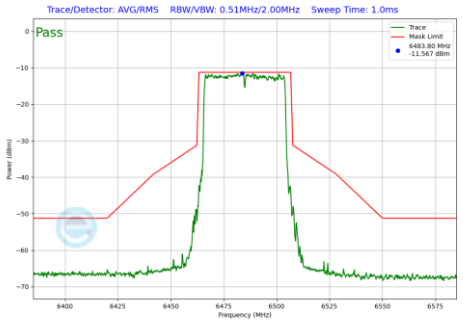
Plot 7-177 In-Band Emission Plot Antenna 4a (20MHz BW 802.11a (UNII Band 5) - Ch.61)



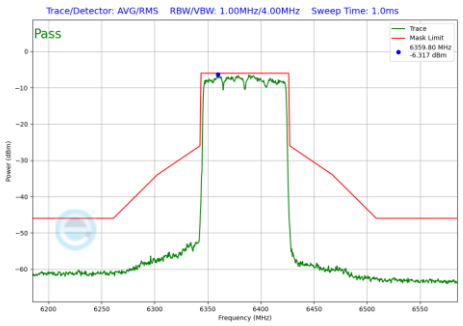
Plot 7-181 In-Band Emission Plot Antenna 4a (20MHz BW 802.11a (UNII Band 6) - Ch.97)



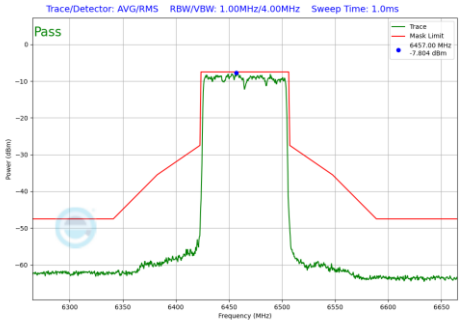
Plot 7-178 In-Band Emission Plot Antenna 4a (40MHz BW 802.11be(SU) (UNII Band 5) - Ch.59)



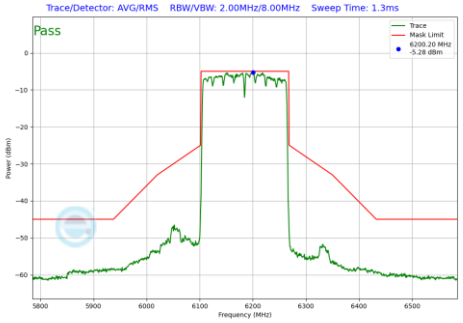
Plot 7-182 In-Band Emission Plot Antenna 4a (40MHz BW 802.11be(SU) (UNII Band 6) - Ch.107)



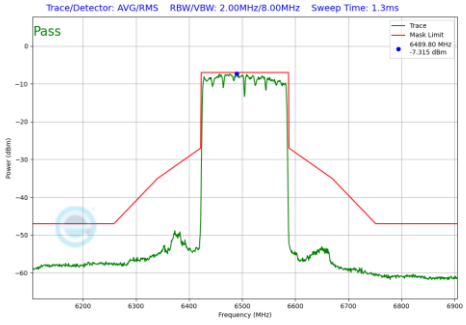
Plot 7-179 In-Band Emission Plot Antenna 4a (80MHz BW 802.11be(SU) (UNII Band 5) - Ch.87)



Plot 7-183 In-Band Emission Plot Antenna 4a (80MHz BW 802.11be(SU) (UNII Band 6) - Ch.103)



Plot 7-180 In-Band Emission Plot Antenna 4a (160MHz BW 802.11be(SU) (UNII Band 5) - Ch.47)



Plot 7-184 In-Band Emission Plot Antenna 4a (160MHz BW 802.11be(SU) (UNII Band 6) - Ch.111)

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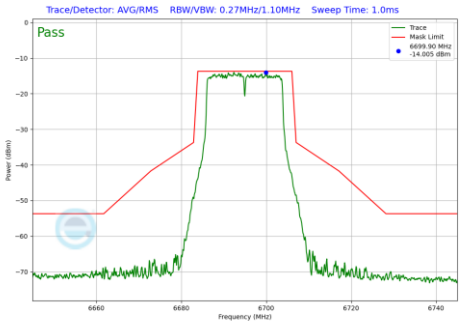
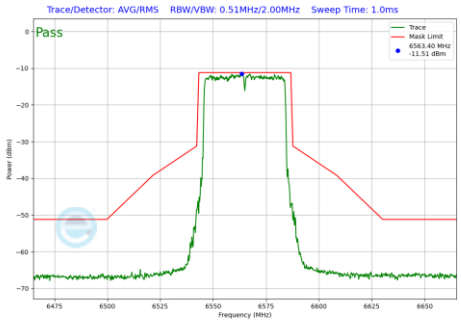
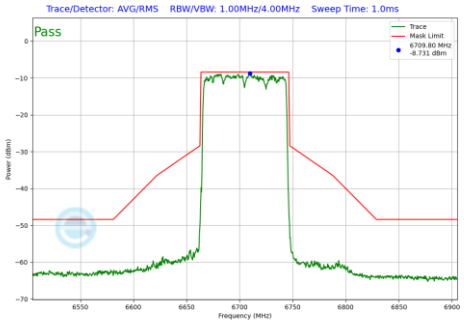


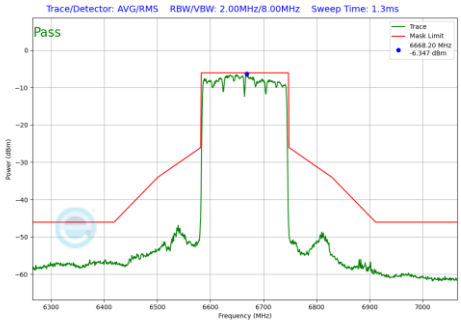
Plot 7-185 In-Band Emission Plot Antenna 4a (20MHz BW 802.11a (UNII Band 7) - Ch.149)



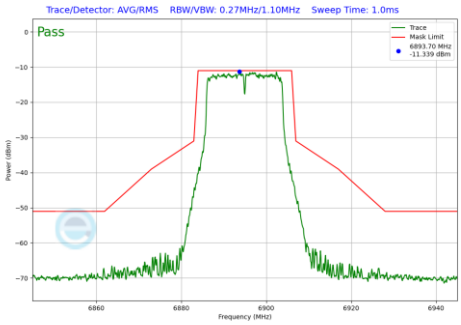
Plot 7-186 In-Band Emission Plot Antenna 4a (40MHz BW 802.11be(SU) (UNII Band 7) - Ch.123)



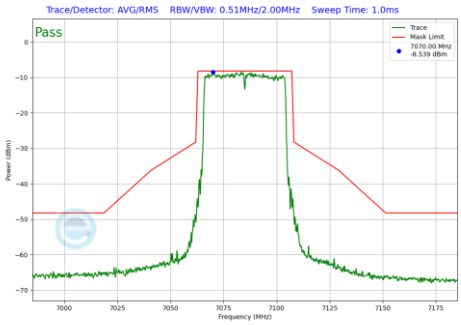
Plot 7-187 In-Band Emission Plot Antenna 4a (80MHz BW 802.11be(SU) (UNII Band 7) - Ch.151)



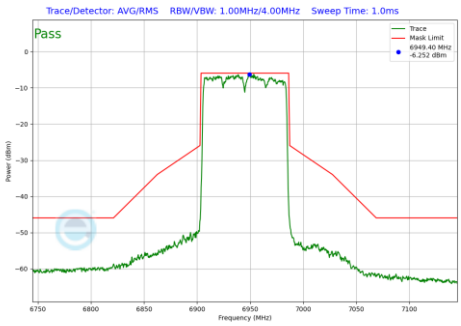
Plot 7-188 In-Band Emission Plot Antenna 4a (160MHz BW 802.11be(SU) (UNII Band 7) - Ch.143)



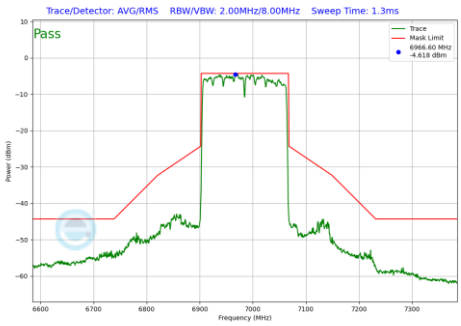
Plot 7-189 In-Band Emission Plot Antenna 4a (20MHz BW 802.11a (UNII Band 8) - Ch.189)



Plot 7-190 In-Band Emission Plot Antenna 4a (40MHz BW 802.11be(SU) (UNII Band 8) - Ch.227)



Plot 7-191 In-Band Emission Plot Antenna 4a (80MHz BW 802.11be(SU) (UNII Band 8) - Ch.199)



Plot 7-192 In-Band Emission Plot Antenna 4a (160MHz BW 802.11be(SU) (UNII Band 8) - Ch.207)

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7.5.3 Antenna 2a In-Band Emission Measurements – VLP

	Frequency [MHz]	Channel No.	802.11 Mode	Data Rate	Antenna 2a In-Band Emission
Band 5	6115	33	a	6Mbps	Pass
	6255	61	a	6Mbps	Pass
	6415	93	a	36Mbps	Pass
	6115	33	be (20MHz)	MCS0	Pass
	6255	61	be (20MHz)	MCS0	Pass
	6415	93	be (20MHz)	MCS0	Pass
	6125	35	be (40MHz)	MCS0	Pass
	6245	59	be (40MHz)	MCS0	Pass
	6405	91	be (40MHz)	MCS5	Pass
	6145	39	be (80MHz)	MCS0	Pass
	6225	55	be (80MHz)	MCS0	Pass
	6385	87	be (80MHz)	MCS0	Pass
	6185	47	be (160MHz)	MCS0	Pass
	6345	79	be (160MHz)	MCS0	Pass
Band 6	6435	97	a	12Mbps	Pass
	6475	105	a	12Mbps	Pass
	6515	113	a	12Mbps	Pass
	6435	97	be (20MHz)	MCS3	Pass
	6475	105	be (20MHz)	MCS3	Pass
	6515	113	be (20MHz)	MCS0	Pass
	6445	99	be (40MHz)	MCS0	Pass
	6485	107	be (40MHz)	MCS3	Pass
	6525	115	be (40MHz)	MCS3	Pass
	6465	103	be (80MHz)	MCS0	Pass
	6505	111	be (160MHz)	MCS0	Pass
Band 7	6535	117	a	36Mbps	Pass
	6695	149	a	12Mbps	Pass
	6875	185	a	6Mbps	Pass
	6535	117	be (20MHz)	MCS5	Pass
	6695	149	be (20MHz)	MCS5	Pass
	6875	185	be (20MHz)	MCS0	Pass
	6565	123	be (40MHz)	MCS0	Pass
	6725	155	be (40MHz)	MCS3	Pass
	6845	179	be (40MHz)	MCS3	Pass
	6545	119	be (80MHz)	MCS0	Pass
	6705	151	be (80MHz)	MCS0	Pass
	6865	183	be (80MHz)	MCS0	Pass
	6665	143	be (160MHz)	MCS0	Pass
	6825	175	be (160MHz)	MCS0	Pass
Band 8	6895	189	a	36Mbps	Pass
	6995	209	a	36Mbps	Pass
	7115	233	a	12Mbps	Pass
	6895	189	be (20MHz)	MCS5	Pass
	6995	209	be (20MHz)	MCS5	Pass
	7115	233	be (20MHz)	MCS5	Pass
	6885	187	be (40MHz)	MCS3	Pass
	7005	211	be (40MHz)	MCS3	Pass
	7085	227	be (40MHz)	MCS0	Pass
	6945	199	be (80MHz)	MCS0	Pass
	7025	215	be (80MHz)	MCS0	Pass
	6985	207	be (160MHz)	MCS3	Pass

Table 7-37. In-Band Emissions Measurement Antenna 2a

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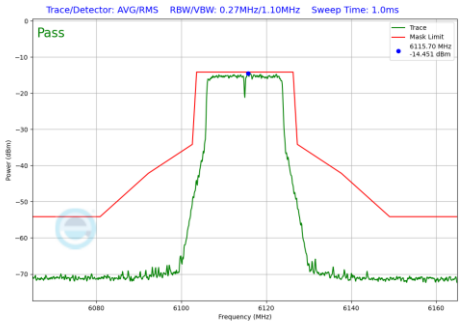
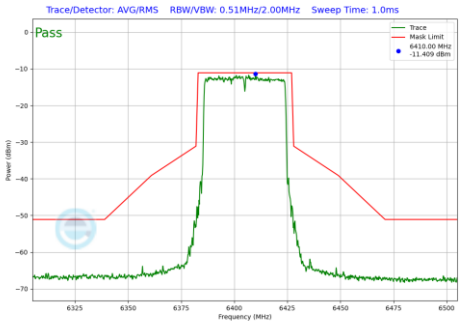
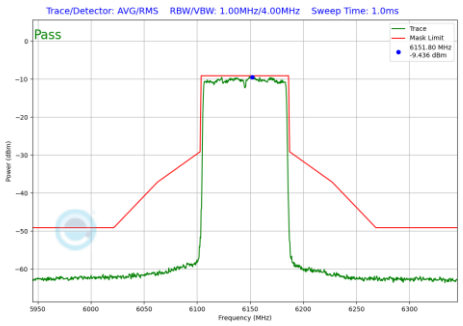


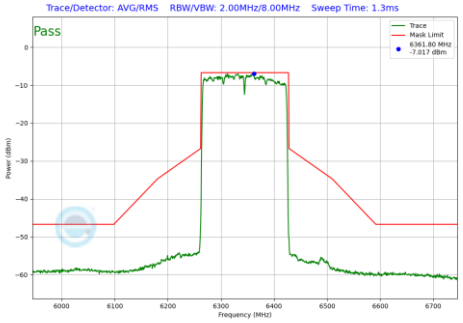
Plot 7-193 In-Band Emission Plot Antenna 2a (20MHz BW 802.11a (UNII Band 5) - Ch.33)



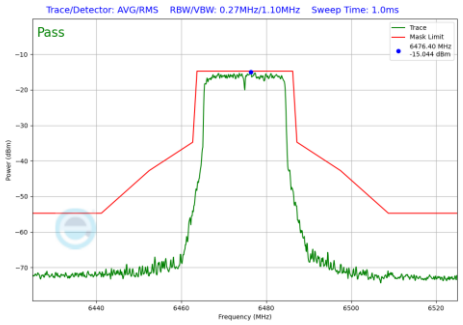
Plot 7-194 In-Band Emission Plot Antenna 2a (40MHz BW 802.11be(SU) (UNII Band 5) - Ch.91)



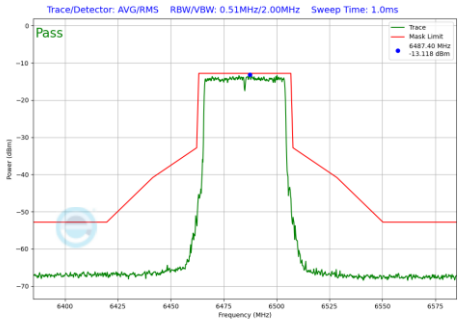
Plot 7-195 In-Band Emission Plot Antenna 2a (80MHz BW 802.11be(SU) (UNII Band 5) - Ch.39)



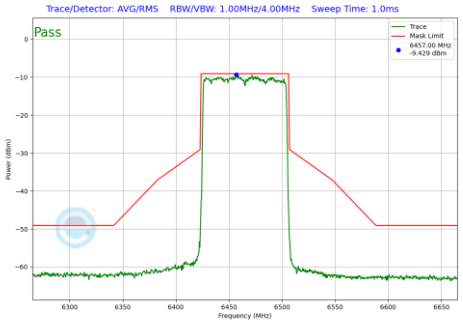
Plot 7-196 In-Band Emission Plot Antenna 2a (160MHz BW 802.11be(SU) (UNII Band 5) - Ch.79)



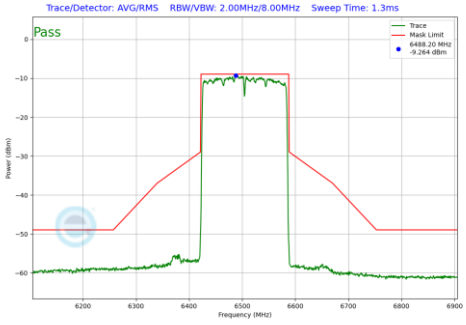
Plot 7-197 In-Band Emission Plot Antenna 2a (20MHz BW 802.11be(SU) (UNII Band 6) - Ch.105)



Plot 7-198 In-Band Emission Plot Antenna 2a (40MHz BW 802.11be(SU) (UNII Band 6) - Ch.107)



Plot 7-199 In-Band Emission Plot Antenna 2a (80MHz BW 802.11be(SU) (UNII Band 6) - Ch.103)



Plot 7-200 In-Band Emission Plot Antenna 2a (160MHz BW 802.11be(SU) (UNII Band 6) - Ch.111)

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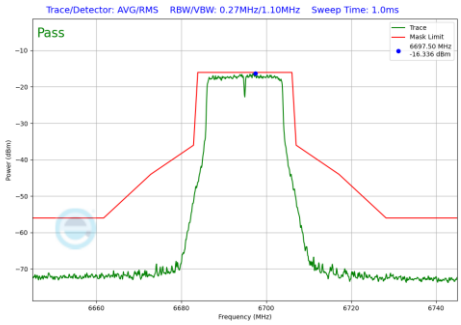
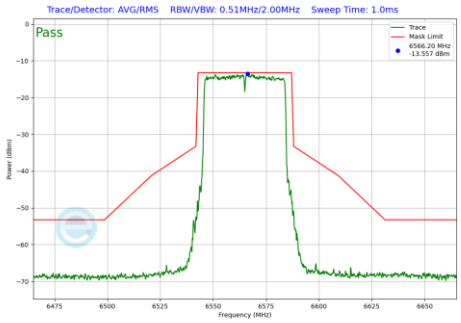
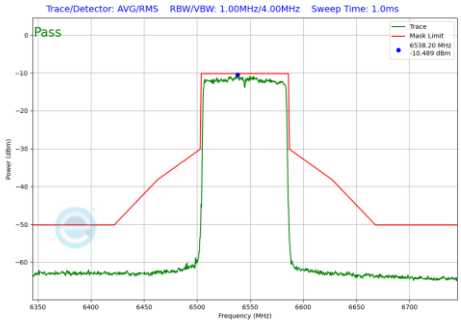


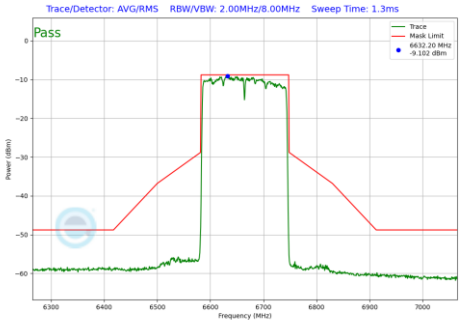
Plot 7-201 In-Band Emission Plot Antenna 2a (20MHz BW 802.11a (UNII Band 7) - Ch.149)



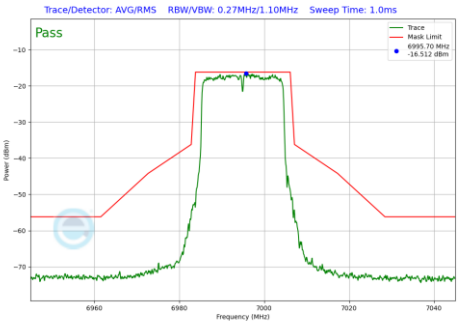
Plot 7-202 In-Band Emission Plot Antenna 2a (40MHz BW 802.11be(SU) (UNII Band 7) - Ch.123)



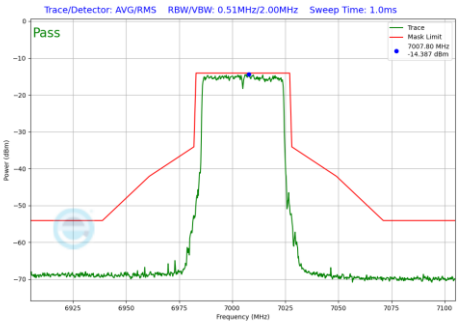
Plot 7-203 In-Band Emission Plot Antenna 2a (80MHz BW 802.11be(SU) (UNII Band 7) - Ch.119)



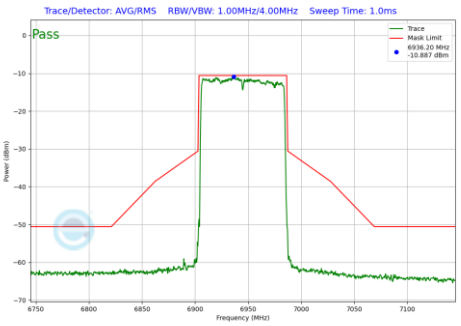
Plot 7-204 In-Band Emission Plot Antenna 2a (160MHz BW 802.11be(SU) (UNII Band 7) - Ch.143)



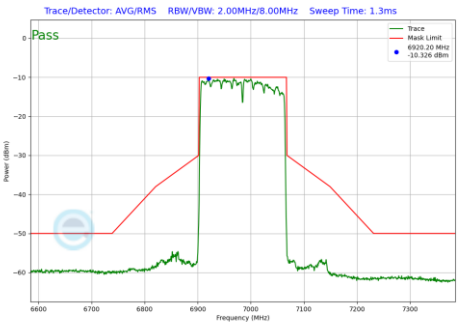
Plot 7-205 In-Band Emission Plot Antenna 2a (20MHz BW 802.11be(SU) (UNII Band 8) - Ch.209)



Plot 7-206 In-Band Emission Plot Antenna 2a (40MHz BW 802.11be(SU) (UNII Band 8) - Ch.211)



Plot 7-207 In-Band Emission Plot Antenna 2a (80MHz BW 802.11be(SU) (UNII Band 8) - Ch.199)



Plot 7-208 In-Band Emission Plot Antenna 2a (160MHz BW 802.11be(SU) (UNII Band 8) - Ch.207)

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7.5.4 CDD/SDM Primary In-Band Emission Measurements – VLP

	Frequency [MHz]	Channel No.	802.11 Mode	Mode	Data Rate	Antenna WF5B In-Band Emission	Antenna 4a In-Band Emission
Band 5	6115	33	a	CDD	6Mbps	Pass	Pass
	6255	61	a	CDD	36Mbps	Pass	Pass
	6415	93	a	CDD	12Mbps	Pass	Pass
	6115	33	be (20MHz)	SDM	MCS3	Pass	Pass
	6255	61	be (20MHz)	SDM	MCS0	Pass	Pass
	6415	93	be (20MHz)	SDM	MCS3	Pass	Pass
	6125	35	be (40MHz)	SDM	MCS3	Pass	Pass
	6245	59	be (40MHz)	SDM	MCS3	Pass	Pass
	6405	91	be (40MHz)	SDM	MCS3	Pass	Pass
	6145	39	be (80MHz)	SDM	MCS3	Pass	Pass
	6225	55	be (80MHz)	SDM	MCS5	Pass	Pass
	6385	87	be (80MHz)	SDM	MCS5	Pass	Pass
	6185	47	be (160MHz)	SDM	MCS0	Pass	Pass
	6345	79	be (160MHz)	SDM	MCS5	Pass	Pass
Band 6	6435	97	a	CDD	6Mbps	Pass	Pass
	6475	105	a	CDD	36Mbps	Pass	Pass
	6515	113	a	CDD	6Mbps	Pass	Pass
	6435	97	be (20MHz)	SDM	MCS3	Pass	Pass
	6475	105	be (20MHz)	SDM	MCS3	Pass	Pass
	6515	113	be (20MHz)	SDM	MCS0	Pass	Pass
	6445	99	be (40MHz)	SDM	MCS5	Pass	Pass
	6485	107	be (40MHz)	SDM	MCS5	Pass	Pass
	6525	115	be (40MHz)	SDM	MCS3	Pass	Pass
	6465	103	be (80MHz)	SDM	MCS0	Pass	Pass
	6505	111	be (160MHz)	SDM	MCS0	Pass	Pass
Band 7	6535	117	a	CDD	6Mbps	Pass	Pass
	6695	149	a	CDD	12Mbps	Pass	Pass
	6875	185	a	CDD	12Mbps	Pass	Pass
	6535	117	be (20MHz)	SDM	MCS3	Pass	Pass
	6695	149	be (20MHz)	SDM	MCS0	Pass	Pass
	6875	185	be (20MHz)	SDM	MCS5	Pass	Pass
	6565	123	be (40MHz)	SDM	MCS3	Pass	Pass
	6725	155	be (40MHz)	SDM	MCS3	Pass	Pass
	6845	179	be (40MHz)	SDM	MCS3	Pass	Pass
	6545	119	be (80MHz)	SDM	MCS0	Pass	Pass
	6705	151	be (80MHz)	SDM	MCS5	Pass	Pass
	6865	183	be (80MHz)	SDM	MCS3	Pass	Pass
	6665	143	be (160MHz)	SDM	MCS0	Pass	Pass
	6825	175	be (160MHz)	SDM	MCS3	Pass	Pass
Band 8	6895	189	a	CDD	6Mbps	Pass	Pass
	6995	209	a	CDD	6Mbps	Pass	Pass
	7115	233	a	CDD	36Mbps	Pass	Pass
	6895	189	be (20MHz)	SDM	MCS5	Pass	Pass
	6995	209	be (20MHz)	SDM	MCS5	Pass	Pass
	7115	233	be (20MHz)	SDM	MCS5	Pass	Pass
	6885	187	be (40MHz)	SDM	MCS0	Pass	Pass
	7005	211	be (40MHz)	SDM	MCS0	Pass	Pass
	7085	227	be (40MHz)	SDM	MCS5	Pass	Pass
	6945	199	be (80MHz)	SDM	MCS3	Pass	Pass
	7025	215	be (80MHz)	SDM	MCS5	Pass	Pass
	6985	207	be (160MHz)	SDM	MCS5	Pass	Pass

Table 7-38. In-Band Emissions Measurement CDD/SDM Primary

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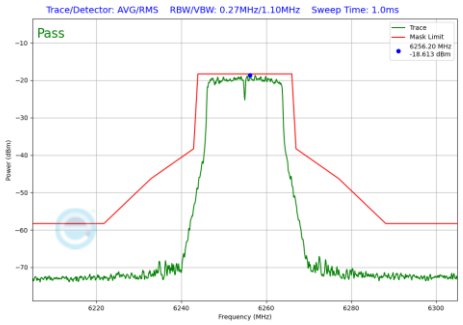
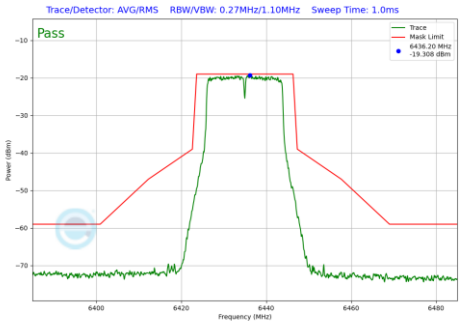
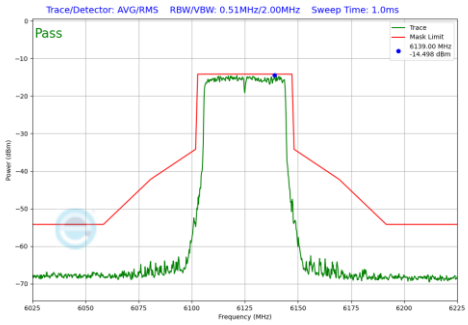


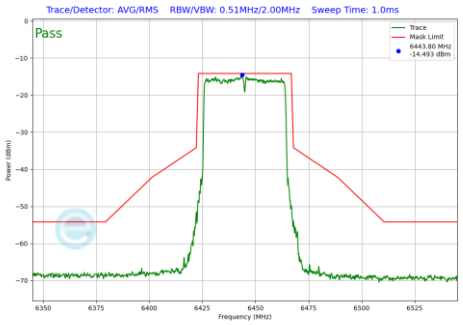
Plot 7-209 In-Band Emission Plot CDD Primary Antenna WF5B (20MHz BW 802.11a (UNII Band 5) - Ch.61)



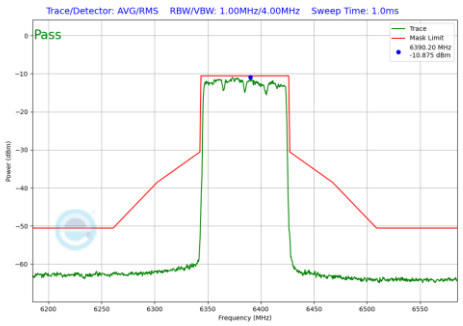
Plot 7-213 In-Band Emission Plot CDD Primary Antenna WF5B (20MHz BW 802.11a (UNII Band 6) - Ch.97)



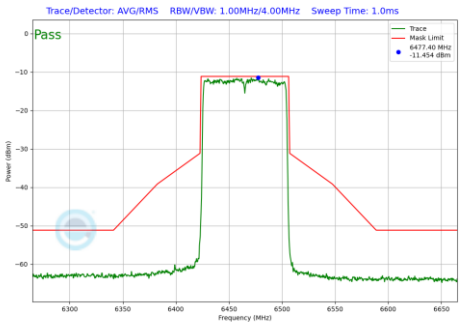
Plot 7-210 In-Band Emission Plot SDM Primary Antenna WF5B (40MHz BW 802.11be(SU) (UNII Band 5) - Ch.35)



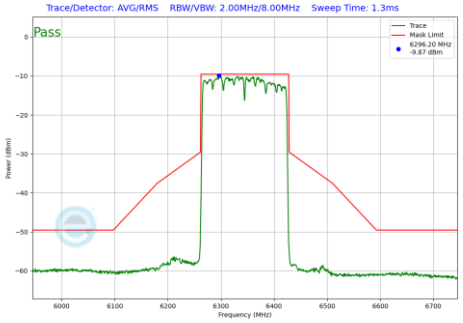
Plot 7-214 In-Band Emission Plot SDM Primary Antenna WF5B (40MHz BW 802.11be(SU) (UNII Band 6) - Ch.99)



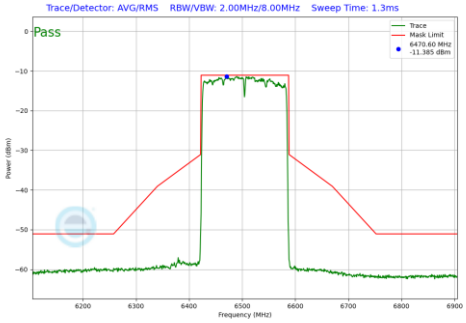
Plot 7-211 In-Band Emission Plot SDM Primary Antenna WF5B (80MHz BW 802.11be(SU) (UNII Band 5) - Ch.87)



Plot 7-215 In-Band Emission Plot SDM Primary Antenna WF5B (80MHz BW 802.11be(SU) (UNII Band 6) - Ch.103)



Plot 7-212 In-Band Emission Plot SDM Primary Antenna WF5B (160MHz BW 802.11be(SU) (UNII Band 5) - Ch.79)



Plot 7-216 In-Band Emission Plot SDM Primary Antenna WF5B (160MHz BW 802.11be(SU) (UNII Band 6) - Ch.111)

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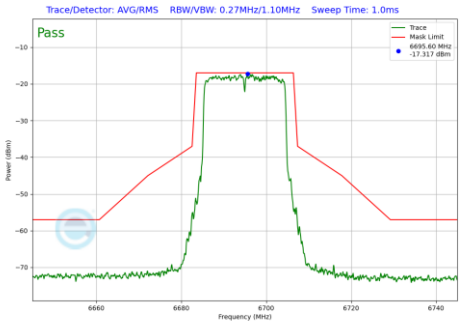
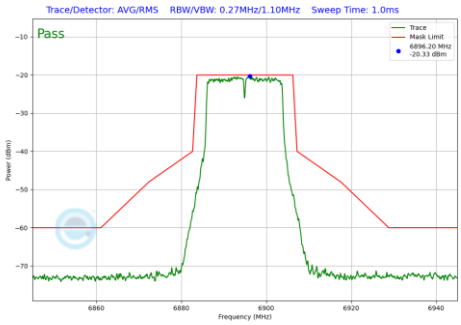
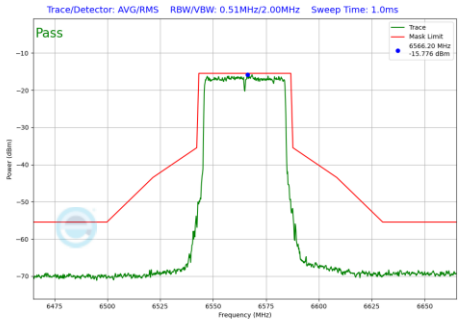


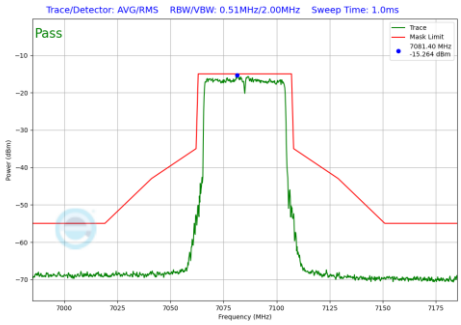
Plot 7-217 In-Band Emission Plot SDM Primary Antenna WF5B (20MHz BW 802.11be(SU) (UNII Band 7) - Ch.149)



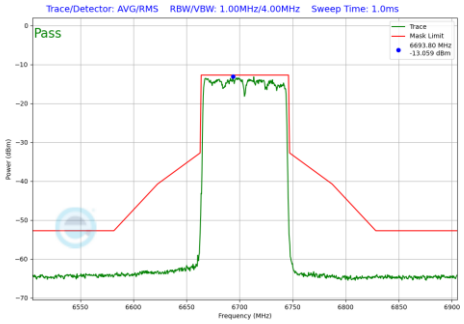
Plot 7-221 In-Band Emission Plot CDD Primary Antenna WF5B (20MHz BW 802.11a (UNII Band 8) - Ch.189)



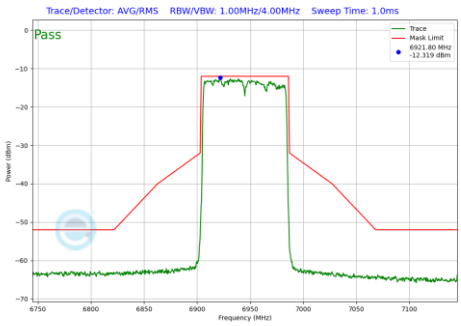
Plot 7-218 In-Band Emission Plot SDM Primary Antenna WF5B (40MHz BW 802.11be(SU) (UNII Band 7) - Ch.123)



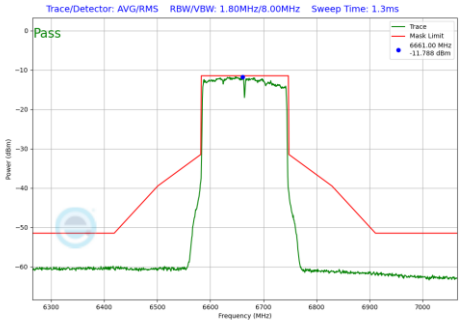
Plot 7-222 In-Band Emission Plot SDM Primary Antenna WF5B (40MHz BW 802.11be(SU) (UNII Band 8) - Ch.227)



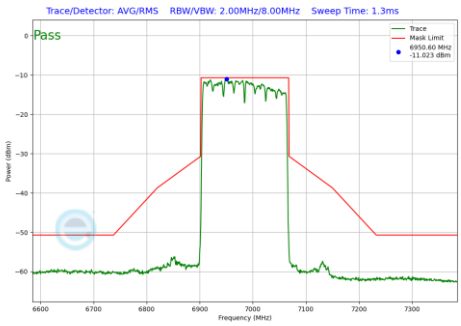
Plot 7-219 In-Band Emission Plot SDM Primary Antenna WF5B (80MHz BW 802.11be(SU) (UNII Band 7) - Ch.151)



Plot 7-223 In-Band Emission Plot SDM Primary Antenna WF5B (80MHz BW 802.11be(SU) (UNII Band 8) - Ch.199)



Plot 7-220 In-Band Emission Plot SDM Primary Antenna WF5B (160MHz BW 802.11be(SU) (UNII Band 7) - Ch.143)



Plot 7-224 In-Band Emission Plot SDM Primary Antenna WF5B (160MHz BW 802.11be(SU) (UNII Band 8) - Ch.207)

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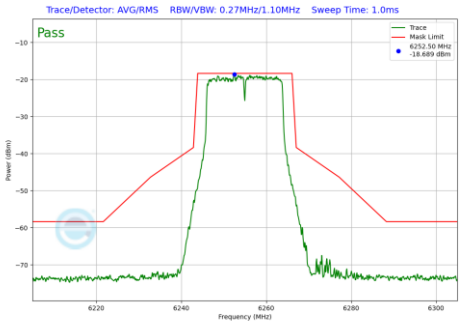
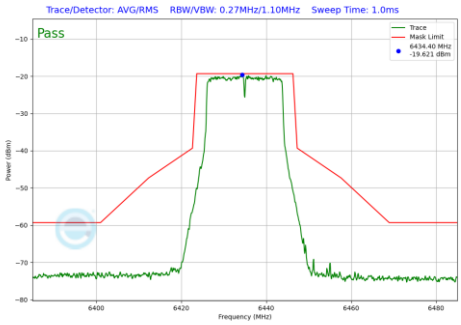
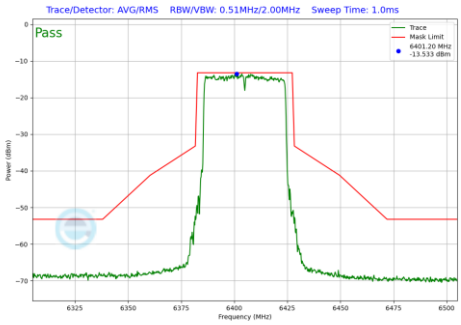


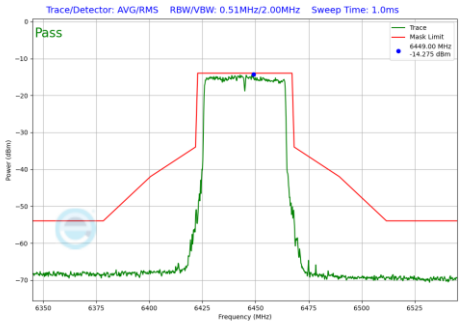
Plot 7-225 In-Band Emission Plot CDD Primary Antenna 4a (20MHz BW 802.11a (UNII Band 5) - Ch.61)



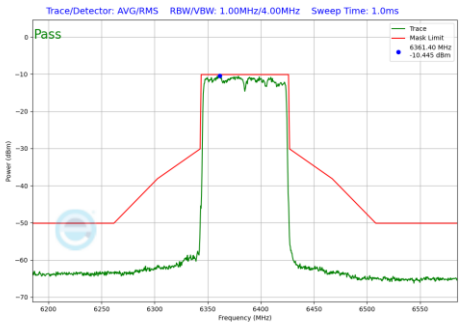
Plot 7-229 In-Band Emission Plot CDD Primary Antenna 4a (20MHz BW 802.11a (UNII Band 6) - Ch.97)



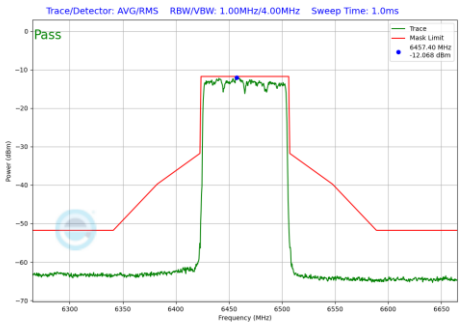
Plot 7-226 In-Band Emission Plot SDM Primary Antenna 4a (40MHz BW 802.11be(SU) (UNII Band 5) - Ch.91)



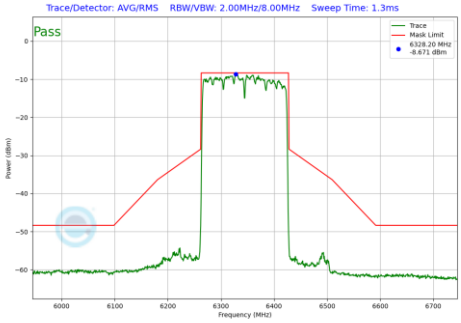
Plot 7-230 In-Band Emission Plot SDM Primary Antenna 4a (40MHz BW 802.11be(SU) (UNII Band 6) - Ch.99)



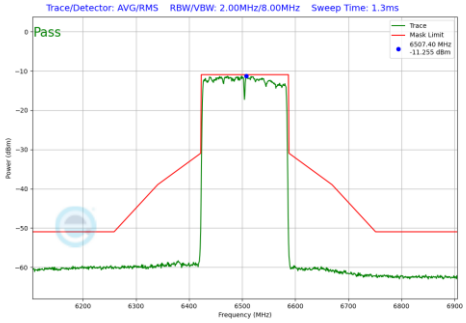
Plot 7-227 In-Band Emission Plot SDM Primary Antenna 4a (80MHz BW 802.11be(SU) (UNII Band 5) - Ch.87)



Plot 7-231 In-Band Emission Plot SDM Primary Antenna 4a (80MHz BW 802.11be(SU) (UNII Band 6) - Ch.103)



Plot 7-228 In-Band Emission Plot SDM Primary Antenna 4a (160MHz BW 802.11be(SU) (UNII Band 5) - Ch.79)



Plot 7-232 In-Band Emission Plot SDM Primary Antenna 4a (160MHz BW 802.11be(SU) (UNII Band 6) - Ch.111)

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