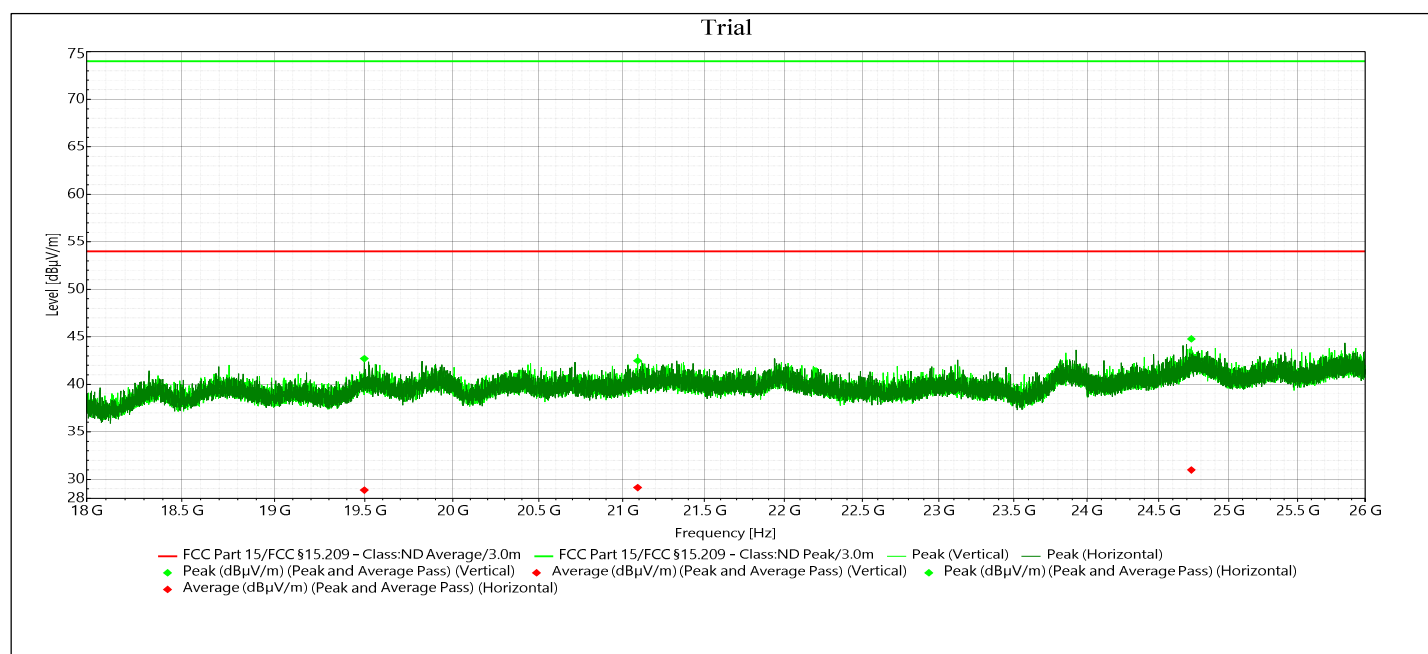




Spurious Emissions 18 - 26GHz - Mobile Mark LTMG511 Antenna - Mid CH 2437.88MHz

Frequency Range	Antenna Distance	Antenna Polarization	RBW	Step Size	Sweep Time
18 GHz - 26 GHz	3m	Vertical	1 MHz	18001 Pts	Auto
18 GHz - 26 GHz	3m	Horizontal	1 MHz	18001 Pts	Auto



Limit: FCC Part 15/FCC §15.209 **Test Date:** 4/29/2023 **EUT Orientation:** **Test Results:** Pass

Test Notes: Mid Ch 2437.88MHz

Figure 2-91 – RE Spurious Emissions 18-26 GHz – Mobile Mark LTMG511 Antenna - Mid CH 2437.88MHz



**Table 2.10-41 – RE Spurious Emissions 18-26 GHz – Mobile Mark LTMG511 Antenna - Mid CH
2437.88MHz**

Frequency (MHz)	Peak Level (dBuV/m)	Peak Limit (dBuV/m)	Peak Margin (dB)	Average Level (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
21091.111	42.48	74.00	-31.52	29.13	54.00	-24.87	131.00	3.97	Vertical	Pass
24732.000	44.78	74.00	-29.22	30.98	54.00	-23.02	331.00	4.00	Vertical	Pass
19497.333	42.70	74.00	-31.30	28.86	54.00	-25.14	95.00	3.97	Horizontal	Pass

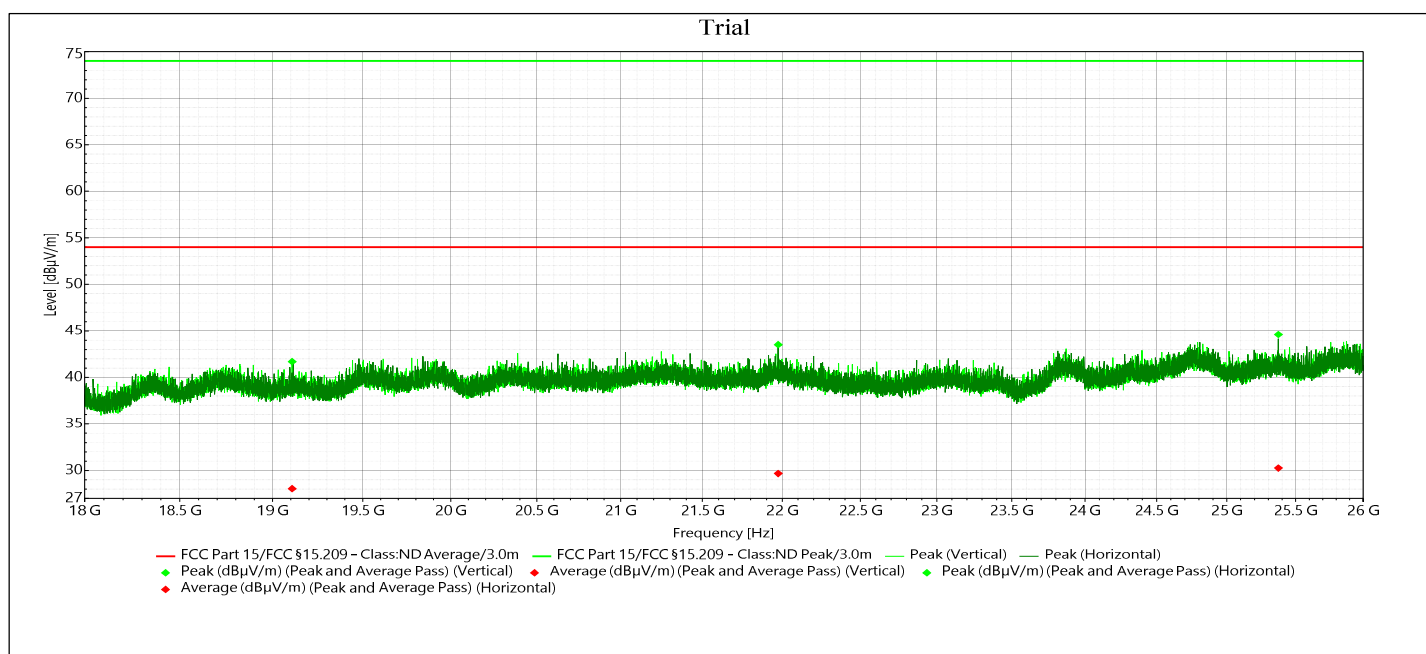
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Spurious Emissions 18 - 26GHz - Mobile Mark LTMG511 Antenna - High CH 2476.8MHz

Frequency Range	Antenna Distance	Antenna Polarization	RBW	Step Size	Sweep Time
18 GHz - 26 GHz	3m	Vertical	1 MHz	18001 Pts	Auto
18 GHz - 26 GHz	3m	Horizontal	1 MHz	18001 Pts	Auto



Limit:
FCC Part 15/FCC §15.209

Test Date: 4/29/2023

EUT Orientation:

Test Results:
Pass

Test Notes: High Ch 2476.8MHz

Figure 2-92 – RE Spurious Emissions 18-26 GHz – Mobile Mark LTMG511 Antenna - High CH 2476.8MHz



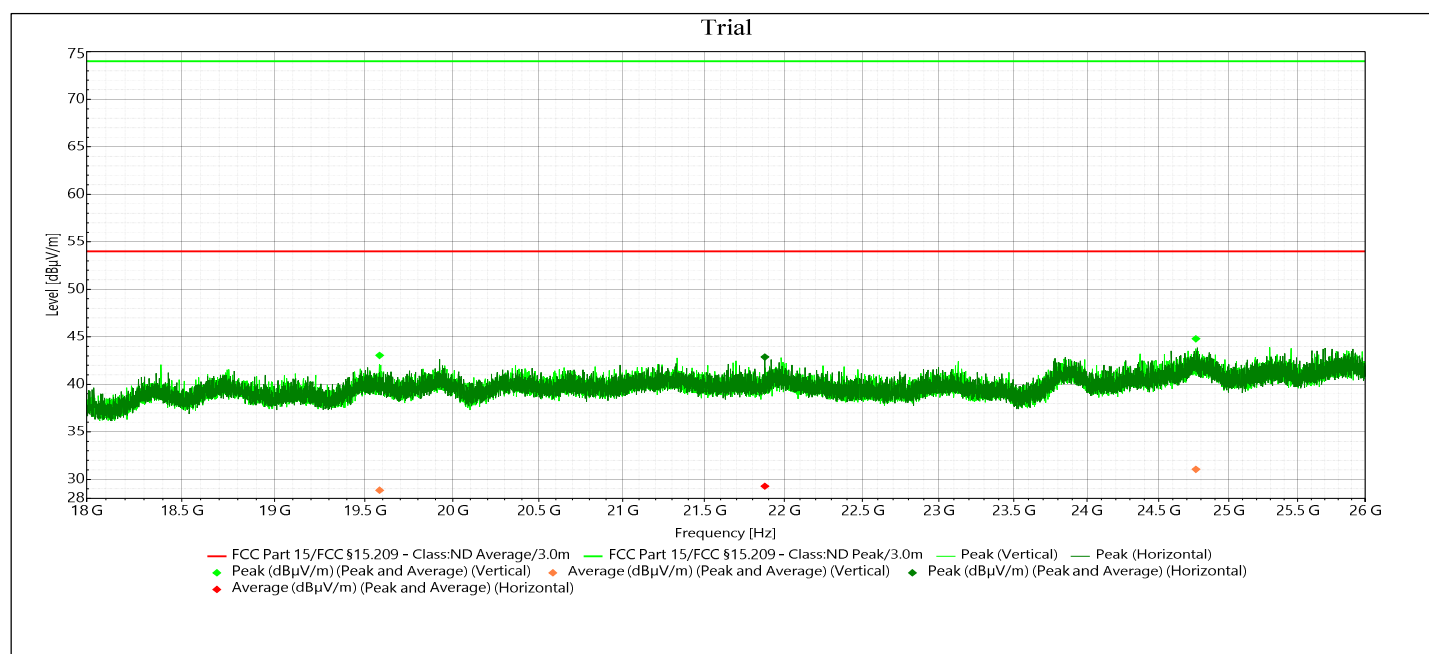
**Table 2.10-42 – RE Spurious Emissions 18-26 GHz – Mobile Mark LTMG511 Antenna - High CH
2476.8MHz**

Frequency (MHz)	Peak Level (dBuV/m)	Peak Limit (dBuV/m)	Peak Margin (dB)	Average Level (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
19107.111	41.69	74.00	-32.31	28.04	54.00	-25.96	198.00	2.44	Vertical	Pass
21974.222	43.52	74.00	-30.48	29.67	54.00	-24.33	29.00	2.44	Horizontal	Pass
25373.333	44.61	74.00	-29.39	30.25	54.00	-23.75	265.00	4.00	Horizontal	Pass



Spurious Emissions 18 - 26GHz - Laird MAF94192 Antenna - Low CH 2401.024GHz

Frequency Range	Antenna Distance	Antenna Polarization	RBW	Step Size	Sweep Time
18 GHz - 26 GHz	3m	Vertical	1 MHz	18001 Pts	Auto
18 GHz - 26 GHz	3m	Horizontal	1 MHz	18001 Pts	Auto



Limit:
FCC Part 15/FCC §15.209

Test Date: 4/28/2023

EUT Orientation:

Test Results:
Pass

Test Notes: Low CH 2401.024GHz

Figure 2-93 – RE Spurious Emissions 18-26 GHz – Laird MAF94192 Antenna - Low CH 2401.024GHz

**Table 2.10-43 – RE Spurious Emissions 18-26 GHz – Laird MAF94192 Antenna - Low CH 2401.024GHz**

Frequency (MHz)	Peak Level (dBuV/m)	Peak Limit (dBuV/m)	Peak Margin (dB)	Average Level (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
19582.667	43.04	74.00	-30.96	28.85	54.00	-25.15	65.00	2.44	Vertical	Pass
24764.889	44.80	74.00	-29.20	31.05	54.00	-22.95	132.00	1.00	Vertical	Pass
21876.889	42.87	74.00	-31.13	29.28	54.00	-24.72	331.00	1.00	Horizontal	Pass

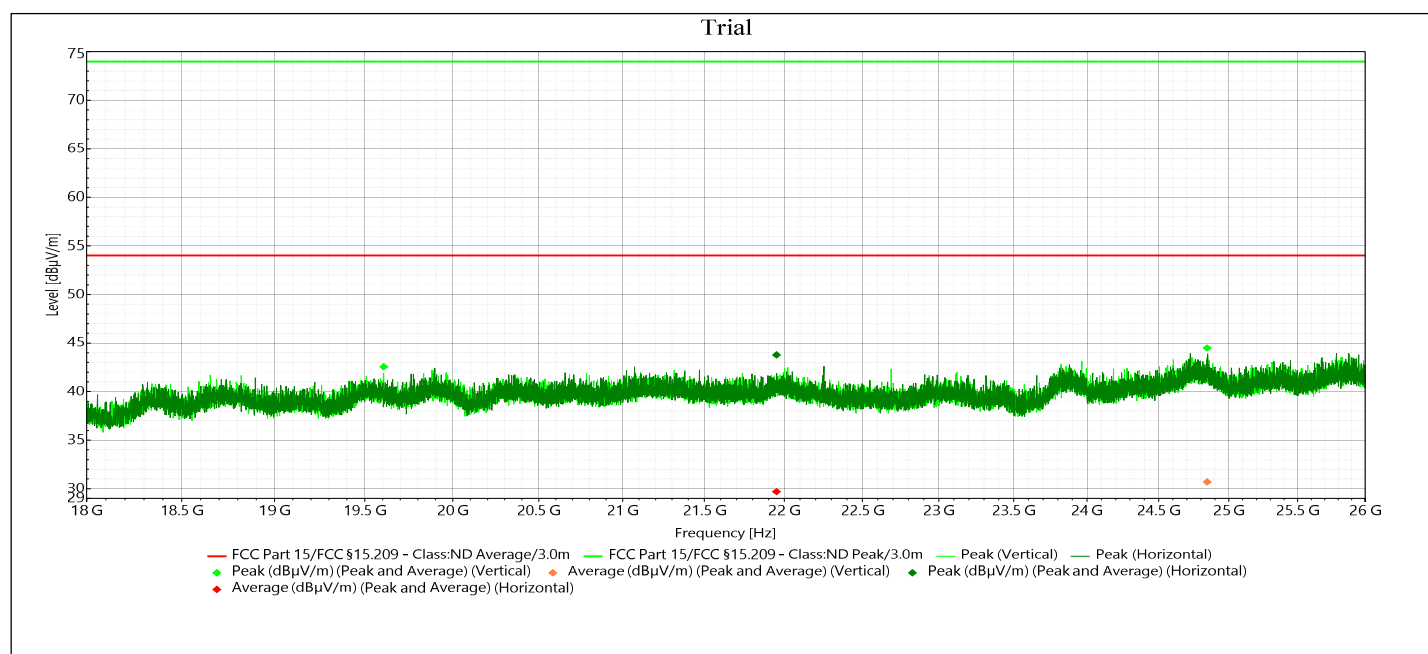
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Spurious Emissions 18 - 26GHz - Laird MAF94192 Antenna - Mid CH 2437.88MHz

Frequency Range	Antenna Distance	Antenna Polarization	RBW	Step Size	Sweep Time
18 GHz - 26 GHz	3m	Vertical	1 MHz	18001 Pts	Auto
18 GHz - 26 GHz	3m	Horizontal	1 MHz	18001 Pts	Auto



Limit: FCC Part 15/FCC §15.209 **Test Date:** 4/28/2023 **EUT Orientation:** **Test Results:** Pass

Test Notes: Mid CH 2437.88MHz

Figure 2-94 – RE Spurious Emissions 18-26 GHz – Laird MAF94192 Antenna - Mid CH 2437.88MHz

**Table 2.10-44 – RE Spurious Emissions 18-26 GHz – Laird MAF94192 Antenna - Mid CH 2437.88MHz**

Frequency (MHz)	Peak Level (dBuV/m)	Peak Limit (dBuV/m)	Peak Margin (dB)	Average Level (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
19605.778	42.56	74.00	-31.44	28.67	54.00	-25.33	132.00	1.00	Vertical	Pass
24844.889	44.49	74.00	-29.51	30.69	54.00	-23.31	265.00	2.44	Vertical	Pass
21951.111	43.78	74.00	-30.22	29.69	54.00	-24.31	0.00	3.97	Horizontal	Pass

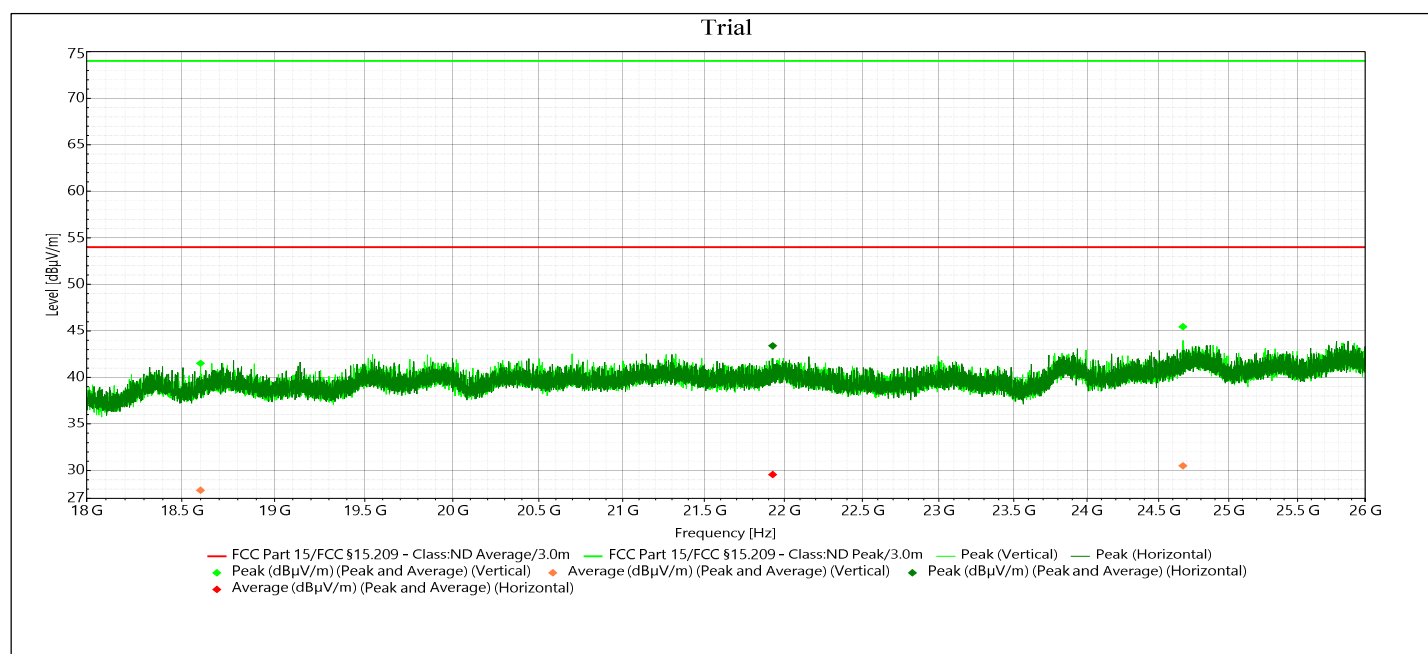
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Spurious Emissions 18 - 26GHz - Laird MAF94192 Antenna - High CH 2476.8MHz

Frequency Range	Antenna Distance	Antenna Polarization	RBW	Step Size	Sweep Time
18 GHz - 26 GHz	3m	Vertical	1 MHz	18001 Pts	Auto
18 GHz - 26 GHz	3m	Horizontal	1 MHz	18001 Pts	Auto



Limit:
FCC Part 15/FCC §15.209

Test Date: 4/28/2023

EUT Orientation:

Test Results:
Pass

Test Notes: High CH 2476.8MHz

Figure 2-95 – RE Spurious Emissions 18-26 GHz – Laird MAF94192 Antenna - High CH 2476.8MHz

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**Table 2.10-45 – RE Spurious Emissions 18-26 GHz – Laird MAF94192 Antenna - High CH 2476.8MHz**

Frequency (MHz)	Peak Level (dBuV/m)	Peak Limit (dBuV/m)	Peak Margin (dB)	Average Level (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
18600.000	41.51	74.00	-32.49	27.87	54.00	-26.13	360.00	3.97	Vertical	Pass
24672.444	45.44	74.00	-28.56	30.50	54.00	-23.50	295.00	3.97	Vertical	Pass
21926.222	43.40	74.00	-30.60	29.55	54.00	-24.45	95.00	3.97	Horizontal	Pass

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2.10.9 Test Location and Test Equipment Used

The tests were carried out in New Brighton, MN.

Test Area: 3mSAC

Table 2.10-46 – Radiated Emissions Equipment List

Device #	Manufacturer	Description	Model	Serial #	Cal Code	Cal Date	Cal Due
NBLE11142	Hewlett-Packard	Preamplifier, 0.1 to 1300 MHz	8447D	2727A05370	B	10/19/2022	10/19/2023
WRLE11519	Com-Power Corp.	Preamplifier, 500 MHz-18 GHz	PAM-118A	18040002	B	01/23/2023	01/23/2024
NBLE11579	Schwarzbeck	Antenna, Broadband Trilog	VULB 9162	9162-196	G	06/03/2021	06/03/2023
NBLE11630	ETS-Lindgren	Antenna, 1-18 GHz	3117	00218816	G	09/27/2022	09/27/2024
NBLE11689	ATM	Antenna, DRG 18-40 GHz	180-442-KF	102040	G	06/02/2021	06/02/2023
NBLE11688	Rohde & Schwarz	Preamplifier, 18-40 GHz	TRS-PR1840	10006	B	06/10/2021	06/10/2023
NBLE11699	Microwave Circuits	Notch Filter, 2.4-2.4837 GHz	N0324415	502922 DC1947	B	03/27/2023	03/27/2024
NBLE11754	Rohde & Schwarz	Receiver, 1 Hz-44 GHz	ESW44	103037	G	08/28/2022	08/28/2023

Cal Code G = Calibration performed by an accredited outside source.

Cal Code B = Calibration verification performed internally.

Cal Code Y = Passive Device, or Calibration not required when used with other calibrated equipment.



2.11 Radiated Band-Edge

2.11.1 Specification Reference

FCC 47 CFR Part 15 Subpart C, 15.247
RSS-GEN Issue 5

2.11.2 Equipment Under Test and Modification State

As shown in §1.4 with modification state “0”, as noted in §1.6.

2.11.3 Date of Test

14 April 2023

2.11.4 Test Method

The EUT was set up in a semi-anechoic chamber on a remotely controlled turntable and placed on a non-conductive table 1.5 m above a reference ground plane. Measurements were taken at a 3m distance. The fundamental signal was maximized while varying the antenna-to-EUT azimuth and antenna-to-EUT polarization using a peak detector. Band-edge measurements were made with the device in its maximized position using a peak and average detector as described in ANSI C63.10.

The EUT was assessed against the limits specified in FCC 47 CFR Part 15C §15.209.

2.11.5 Environmental Conditions

The EUT was evaluated within the climatic range of the EUT as specified by the manufacturer. When the manufacturer does not specify climatic parameters for the EUT, all tests are performed within the ambient climatic conditions of the laboratory.

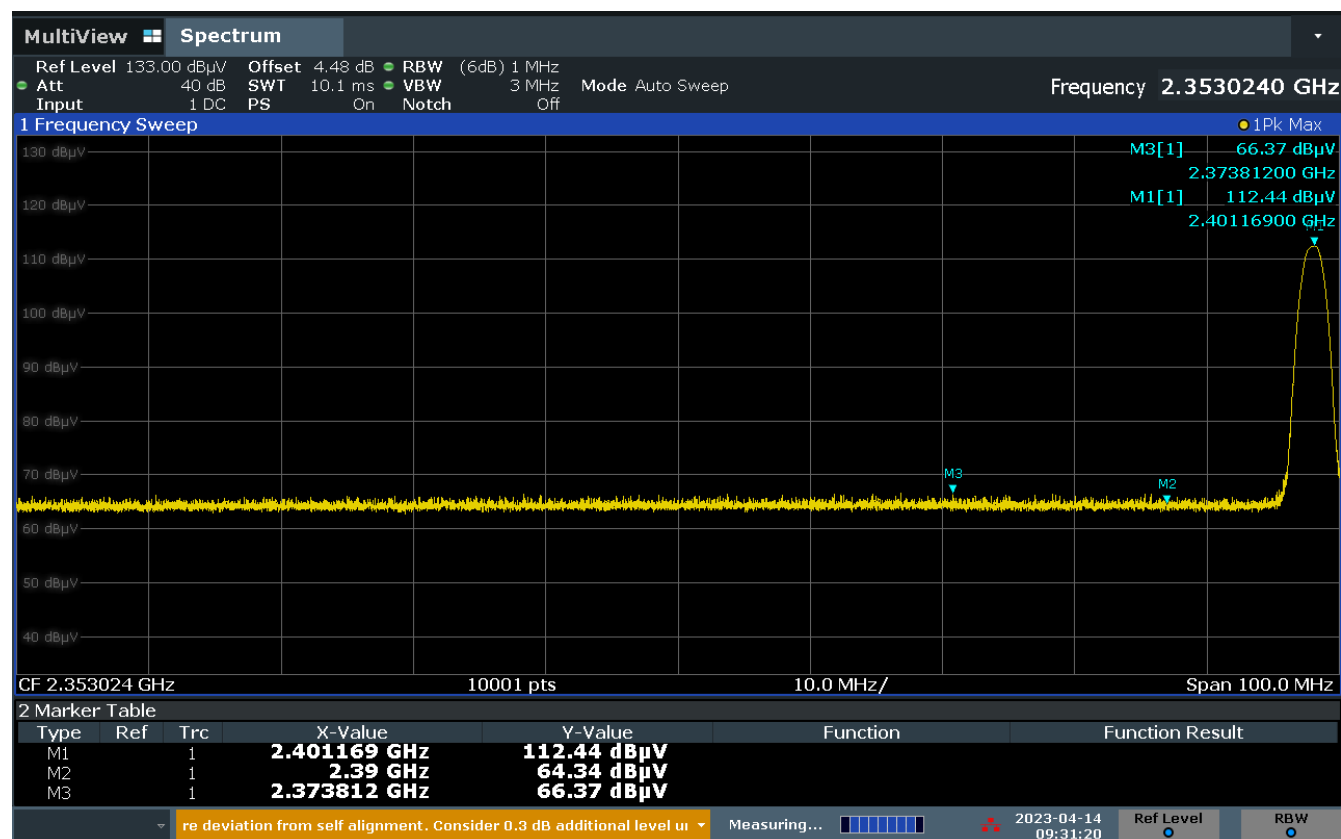
2.11.6 Test Results

Test Summary: EUT operated as intended before, during, and after testing.

.

Test Result: Pass

See data below for detailed results.



09:31:20 AM 04/14/2023

Figure 2-96 – Band-Edge, Mobile Mark DM2 Antenna Low Channel – Peak

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09:37:58 AM 04/14/2023

Figure 2-97 – Band-Edge, Mobile Mark DM2 Antenna Low Channel – Average

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**Table 2.11-1 – Restricted Band Edge – Mobile Mark DM2 Antenna Low Channel – Peak**

Frequency (MHz)	Peak Level (dBuV/m)	Peak Limit (dBuV/m)	Peak Margin (dB)	Peak Result
2390	64.34	74.00	-9.66	Pass
2373.81	66.37	74.00	-7.63	Pass

Note: Peak level calculation: Final Peak level = analyzer level + correction factor.

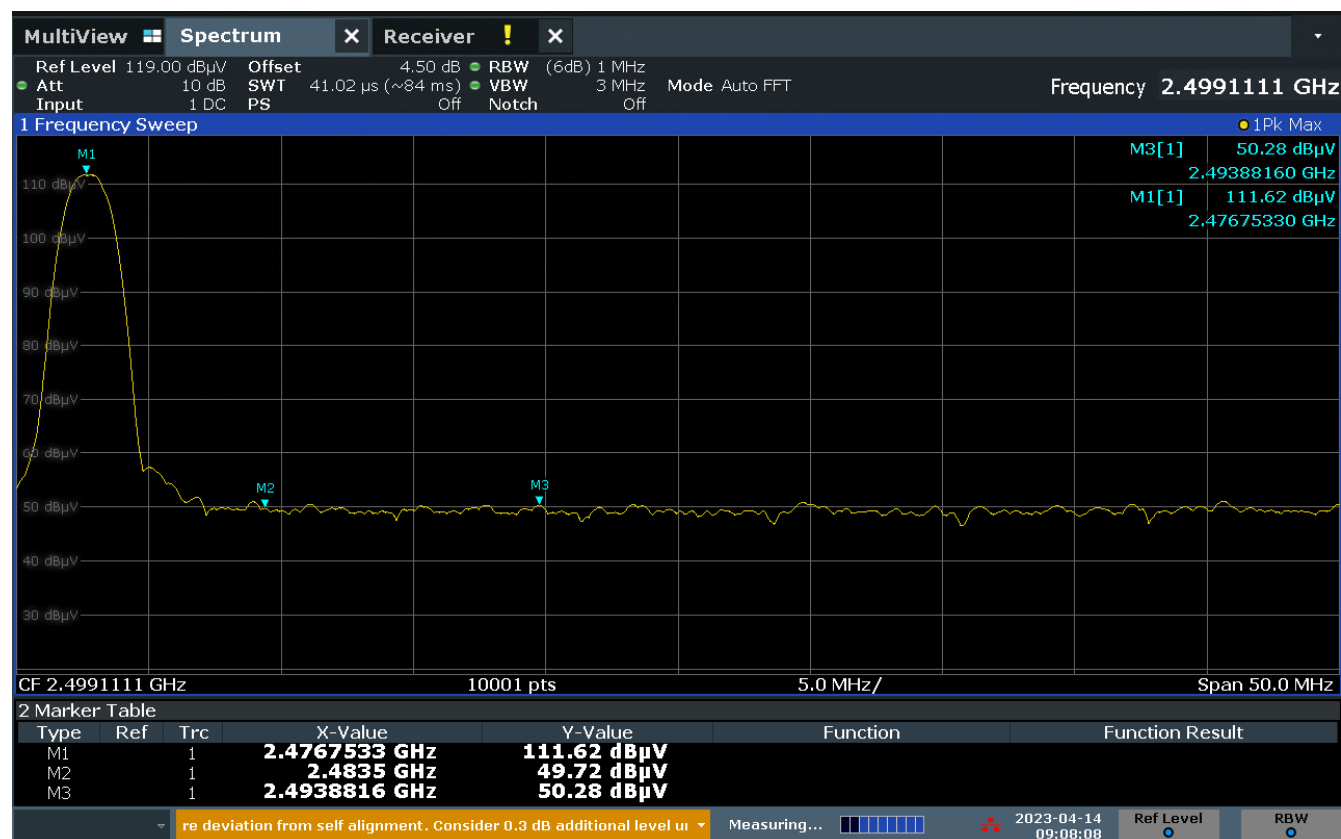
Margin Calculation: Peak Margin = Peak Level – Peak Limit.

Table 2.11-2 – Restricted Band Edge – Mobile Mark DM2 Antenna Low Channel – Average

Frequency (MHz)	Average Level (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Average Result
2390	49.36	54.00	-4.64	Pass
2375.88	52.39	54.00	-1.61	Pass

Note: Peak level calculation: Final Average level = analyzer level + correction factor.

Margin Calculation: Average Margin = Average Level – Average Limit.

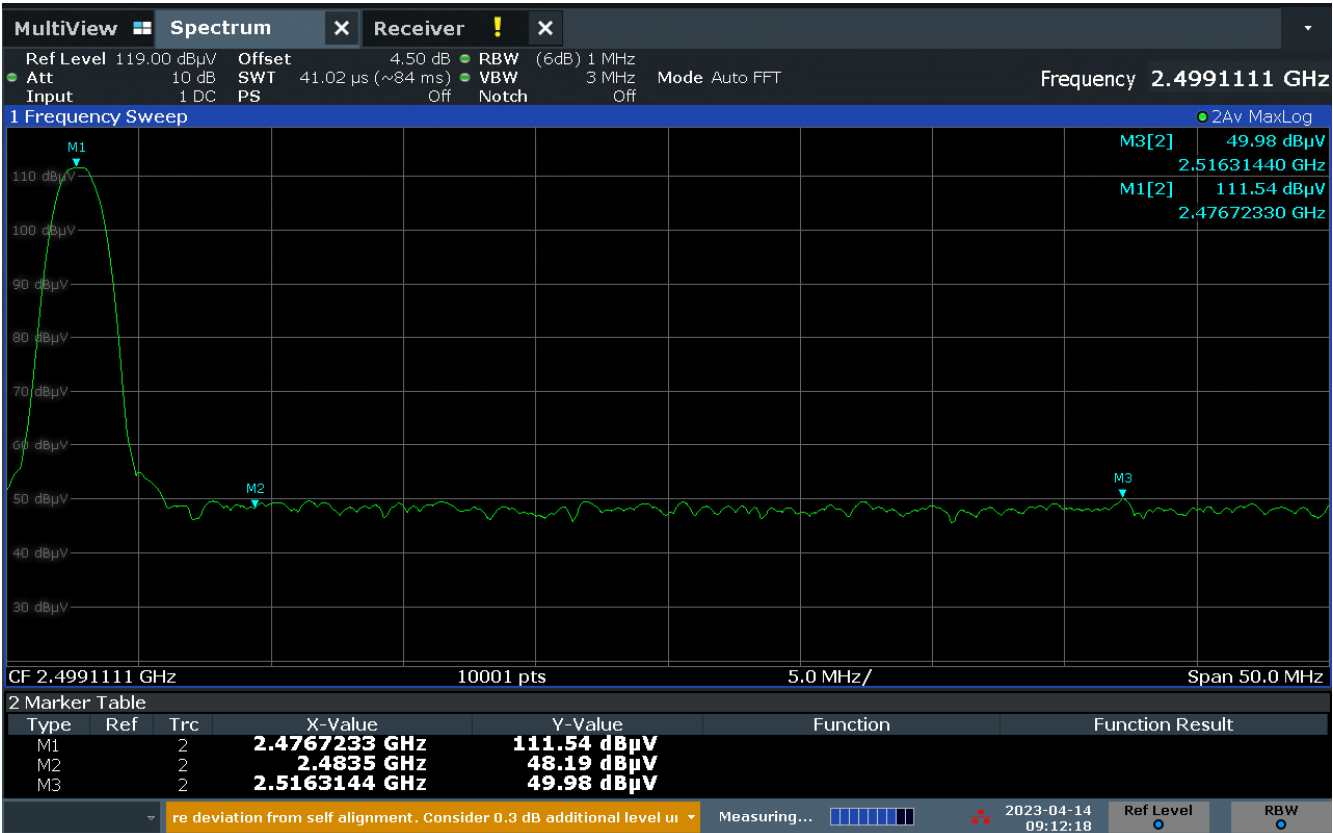


09:08:08 AM 04/14/2023

Figure 2-98 – Band-edge, Mobile Mark DM2 Antenna High Channel – Peak

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09:12:19 AM 04/14/2023

Figure 2-99 – Band-edge, Mobile Mark DM2 Antenna High Channel – Average

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**Table 2.11-3 – Restricted Band Edge – Mobile Mark DM2 Antenna High Channel – Peak**

Frequency (MHz)	Peak Level (dBuV/m)	Peak Limit (dBuV/m)	Peak Margin (dB)	Peak Result
2483.5	49.72	74.00	-24.28	Pass
2493.88	50.28	74.00	-23.72	Pass

Note: Peak level calculation: Final Peak level = analyzer level + correction factor.

Margin Calculation: Peak Margin = Peak Level – Peak Limit.

Table 2.11-4 – Restricted Band Edge – Mobile Mark DM2 Antenna High Channel – Average

Frequency (MHz)	Average Level (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Average Result
2483.5	48.19	54.00	-5.81	Pass
2516.31	49.98	54.00	-4.11	Pass

Note: Peak level calculation: Final Average level = analyzer level + correction factor.

Margin Calculation: Average Margin = Average Level – Average Limit.

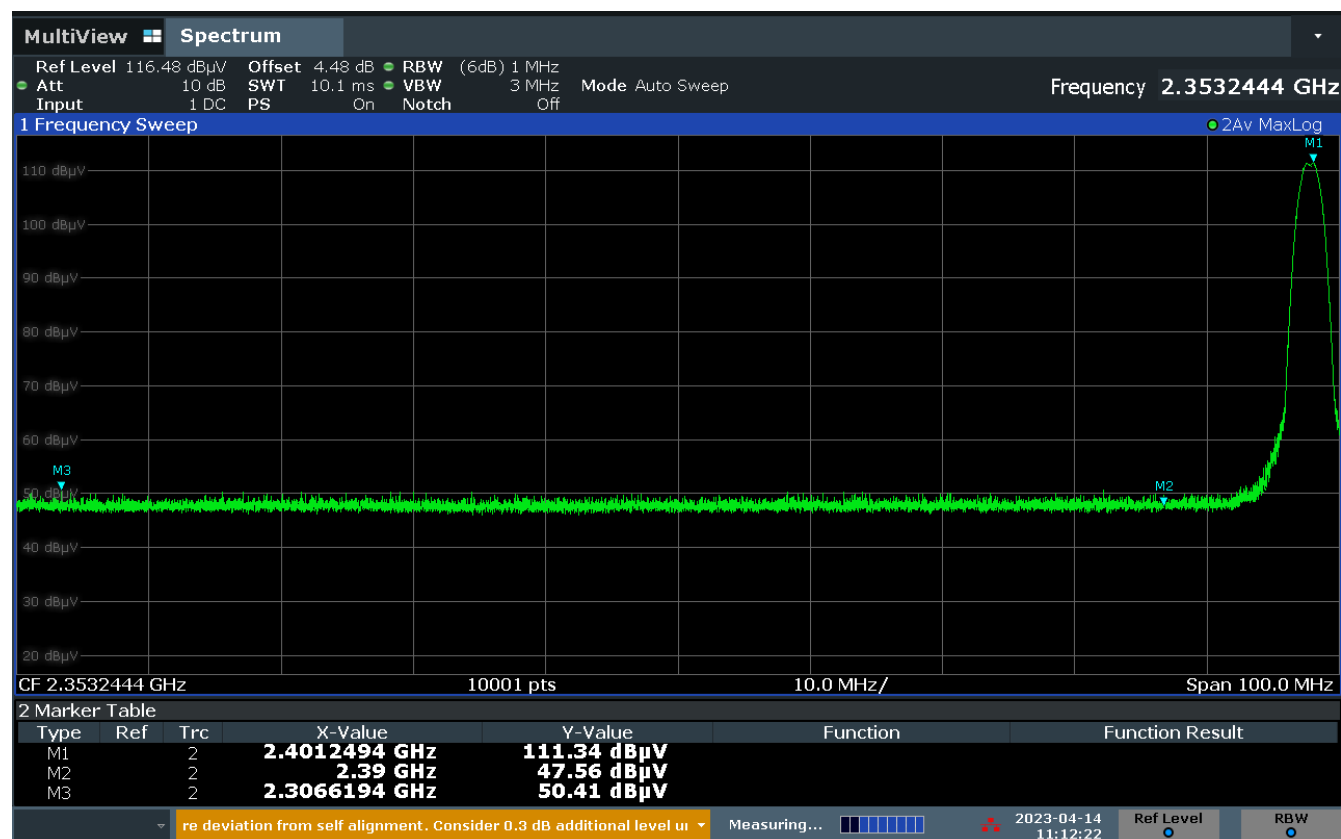


11:11:18 AM 04/14/2023

Figure 2-100 – Band-Edge, Mobile Mark SMW-304 Antenna Low Channel – Peak

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11:12:22 AM 04/14/2023

Figure 2-101 – Band-Edge, Mobile Mark SMW-304 Antenna Low Channel – Average

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**Table 2.11-5 – Restricted Band Edge – Mobile Mark SMW-304 Antenna Low Channel – Peak**

Frequency (MHz)	Peak Level (dBuV/m)	Peak Limit (dBuV/m)	Peak Margin (dB)	Peak Result
2390	49.90	74.00	-24.10	Pass
2313.75	53.16	74.00	-20.84	Pass

Note: Peak level calculation: Final Peak level = analyzer level + correction factor.

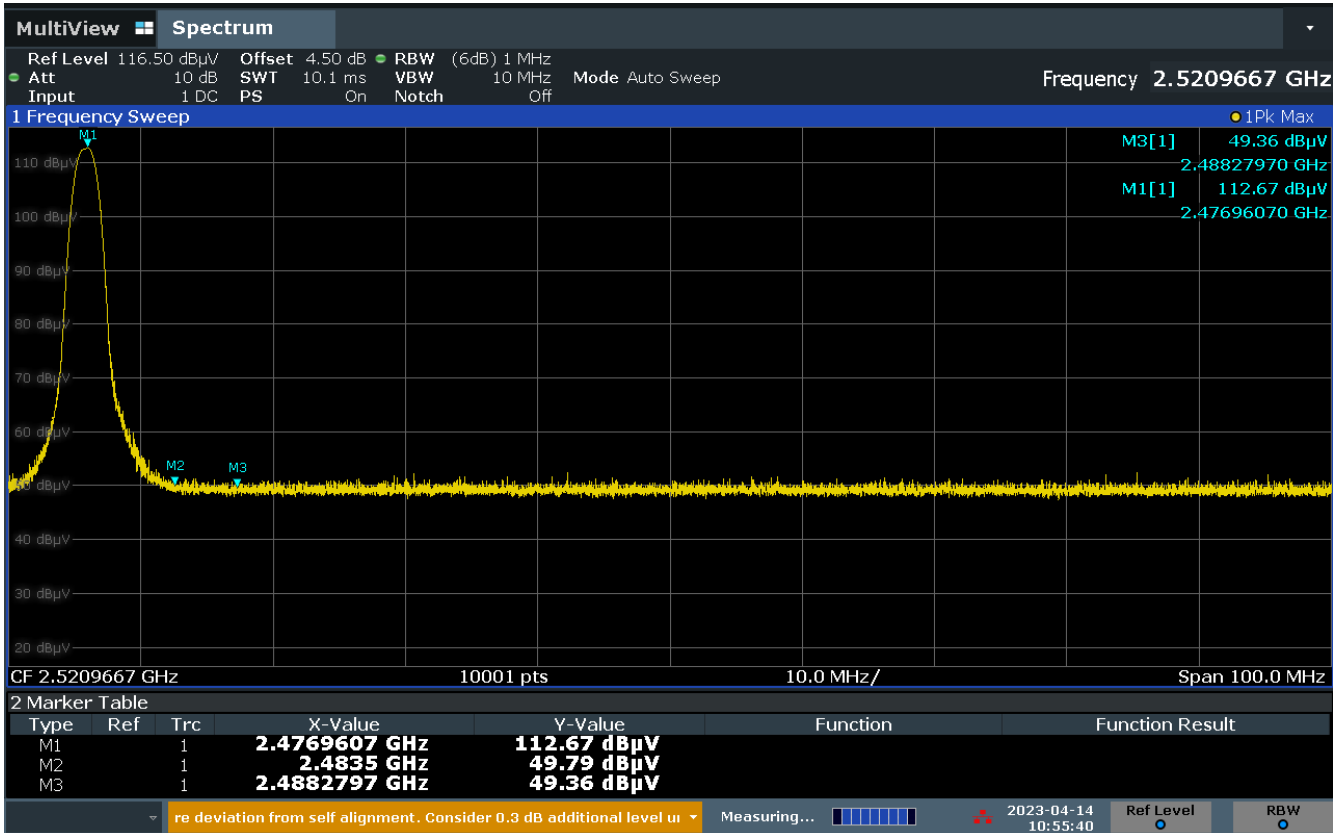
Margin Calculation: Peak Margin = Peak Level – Peak Limit.

Table 2.11-6 – Restricted Band Edge – Mobile Mark SMW-304 Antenna Low Channel – Average

Frequency (MHz)	Average Level (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Average Result
2390	47.56	54.00	-6.44	Pass
2306.61	50.41	54.00	-3.59	Pass

Note: Peak level calculation: Final Average level = analyzer level + correction factor.

Margin Calculation: Average Margin = Average Level – Average Limit.

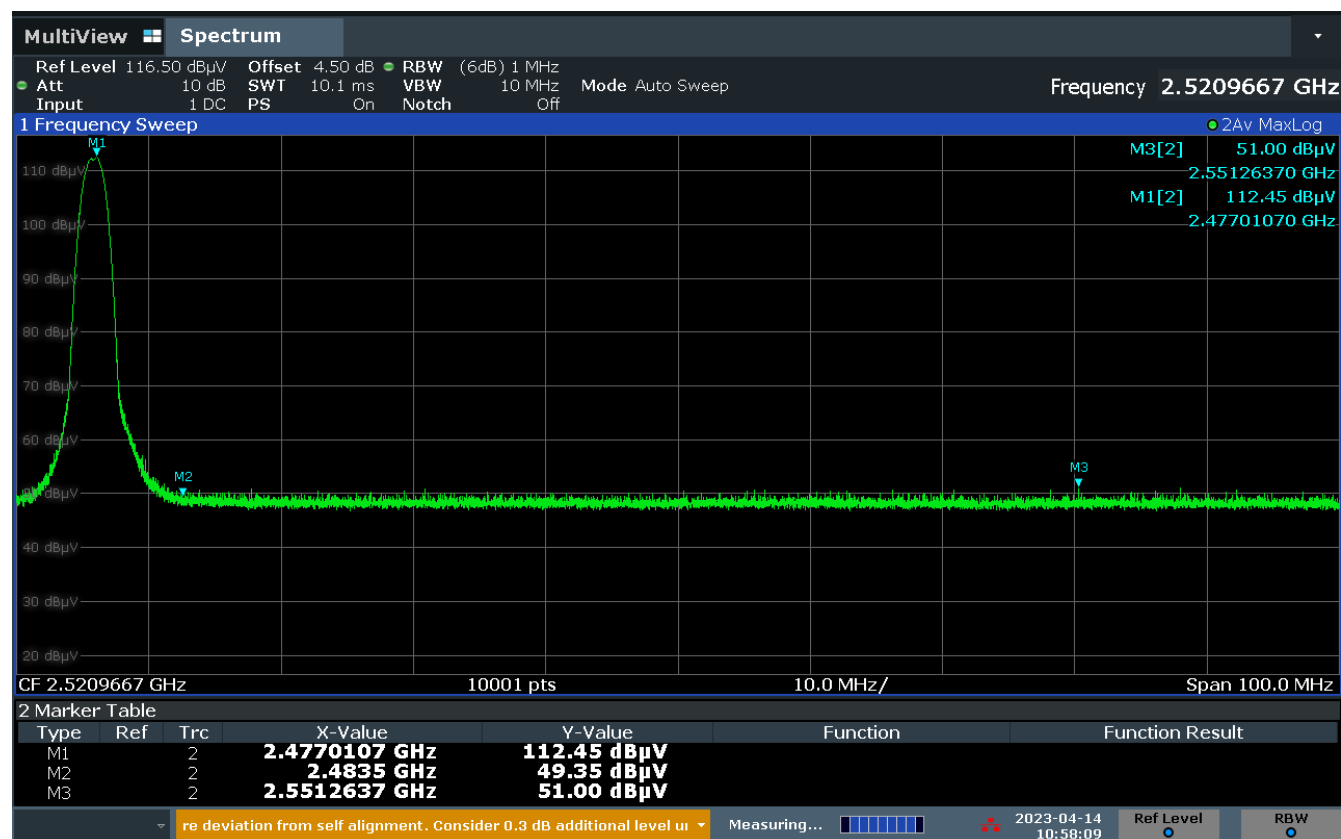


10:55:41 AM 04/14/2023

Figure 2-102 – Band-edge, Mobile Mark SMW-304 Antenna High Channel – Peak

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10:58:09 AM 04/14/2023

Figure 2-103 – Band-edge, Mobile Mark SMW-304 Antenna High Channel – Average

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**Table 2.11-7 – Restricted Band Edge – Mobile Mark SMW-304 Antenna High Channel – Peak**

Frequency (MHz)	Peak Level (dBuV/m)	Peak Limit (dBuV/m)	Peak Margin (dB)	Peak Result
2483.5	49.79	74.00	-24.21	Pass
2488.27	49.36	74.00	-24.64	Pass

Note: Peak level calculation: Final Peak level = analyzer level + correction factor.

Margin Calculation: Peak Margin = Peak Level – Peak Limit.

Table 2.11-8 – Restricted Band Edge – Mobile Mark SMW-304 Antenna High Channel – Average

Frequency (MHz)	Average Level (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Average Result
2483.5	49.35	54.00	-4.65	Pass
2551.26	51.00	54.00	-3.00	Pass

Note: Peak level calculation: Final Average level = analyzer level + correction factor.

Margin Calculation: Average Margin = Average Level – Average Limit.



09:59:07 AM 04/14/2023

Figure 2-104 – Band-Edge, How Tsen S-001 Antenna Low Channel – Peak

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09:37:58 AM 04/14/2023

Figure 2-105 – Band-Edge, How Tsen S-001 Antenna Low Channel – Average

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**Table 2.11-9 – Restricted Band Edge – How Tsen S-001 Antenna Low Channel – Peak**

Frequency (MHz)	Peak Level (dBuV/m)	Peak Limit (dBuV/m)	Peak Margin (dB)	Peak Result
2390	50.77	74.00	-23.23	Pass
2356.86	53.35	74.00	-20.65	Pass

Note: Peak level calculation: Final Peak level = analyzer level + correction factor.

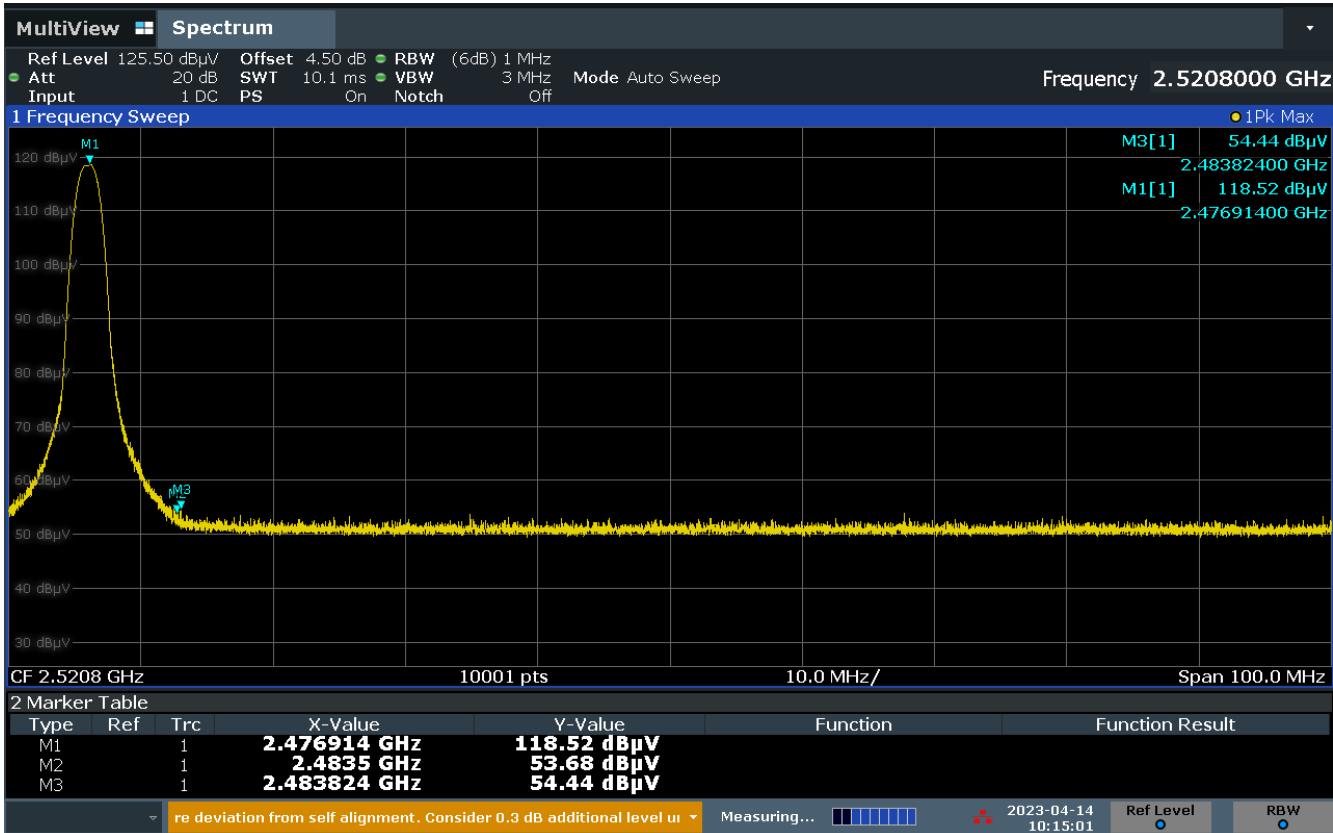
Margin Calculation: Peak Margin = Peak Level – Peak Limit.

Table 2.11-10 – Restricted Band Edge – How Tsen S-001 Antenna Low Channel – Average

Frequency (MHz)	Average Level (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Average Result
2390	49.36	54.00	-4.64	Pass
2375.88	52.39	54.00	-1.61	Pass

Note: Peak level calculation: Final Average level = analyzer level + correction factor.

Margin Calculation: Average Margin = Average Level – Average Limit.



10:15:02 AM 04/14/2023

Figure 2-106 – Band-edge, How Tsen S-001 Antenna High Channel – Peak



10:16:28 AM 04/14/2023

Figure 2-107 – Band-edge, How Tsen S-001 Antenna High Channel – Average

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**Table 2.11-11 – Restricted Band Edge – How Tsen S-001 Antenna High Channel – Peak**

Frequency (MHz)	Peak Level (dBuV/m)	Peak Limit (dBuV/m)	Peak Margin (dB)	Peak Result
2483.5	53.68	74.00	-20.32	Pass
2483.82	54.44	74.00	-19.56	Pass

Note: Peak level calculation: Final Peak level = analyzer level + correction factor.

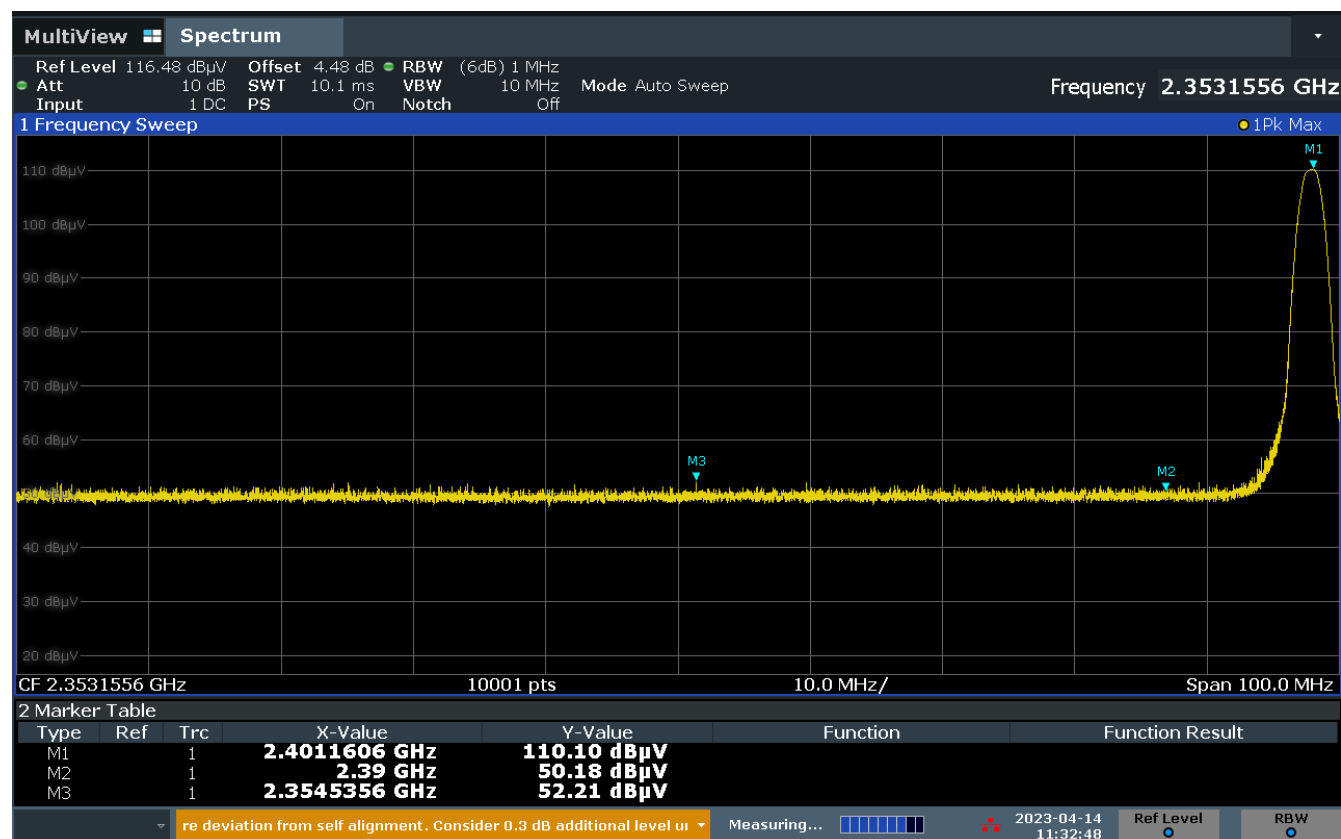
Margin Calculation: Peak Margin = Peak Level – Peak Limit.

Table 2.11-12 – Restricted Band Edge – How Tsen S-001 Antenna High Channel – Average

Frequency (MHz)	Average Level (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Average Result
2483.5	50.25	54.00	-3.75	Pass
2486.77	52.71	54.00	-1.29	Pass

Note: Peak level calculation: Final Average level = analyzer level + correction factor.

Margin Calculation: Average Margin = Average Level – Average Limit.

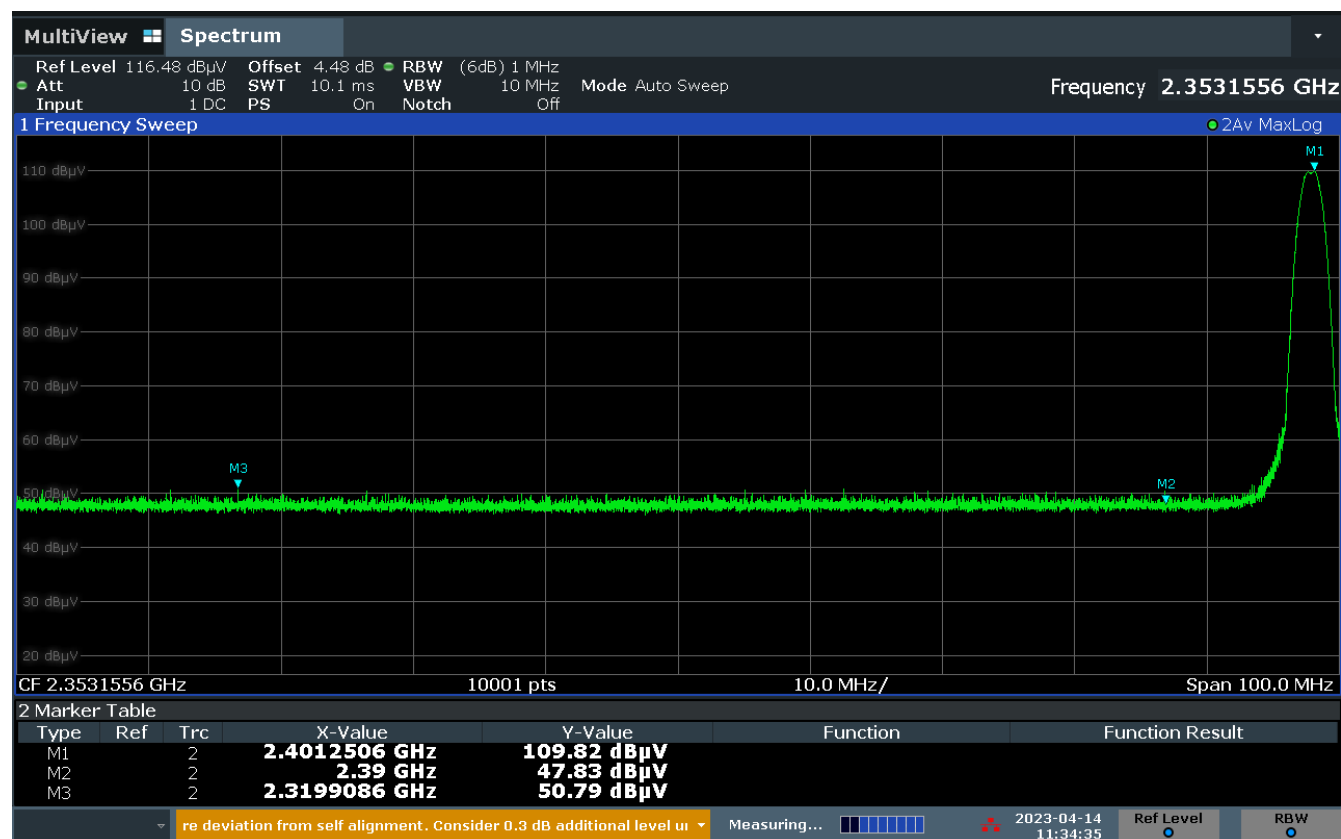


11:32:49 AM 04/14/2023

Figure 2-108 – Band-Edge, Mobile Mark LTMG511 Antenna Low Channel – Peak

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Figure 2-109 – Band-Edge, Mobile Mark LTMG511 Antenna Low Channel – Average

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**Table 2.11-13 – Restricted Band Edge – Mobile Mark LTMG511 Antenna Low Channel – Peak**

Frequency (MHz)	Peak Level (dBuV/m)	Peak Limit (dBuV/m)	Peak Margin (dB)	Peak Result
2390	50.18	74.00	-23.82	Pass
2354.53	52.21	74.00	-21.79	Pass

Note: Peak level calculation: Final Peak level = analyzer level + correction factor.

Margin Calculation: Peak Margin = Peak Level – Peak Limit.

Table 2.11-14 – Restricted Band Edge – Mobile Mark LTMG511 Antenna Low Channel – Average

Frequency (MHz)	Average Level (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Average Result
2390	47.83	54.00	-6.17	Pass
2319.90	50.79	54.00	-3.21	Pass

Note: Peak level calculation: Final Average level = analyzer level + correction factor.

Margin Calculation: Average Margin = Average Level – Average Limit.

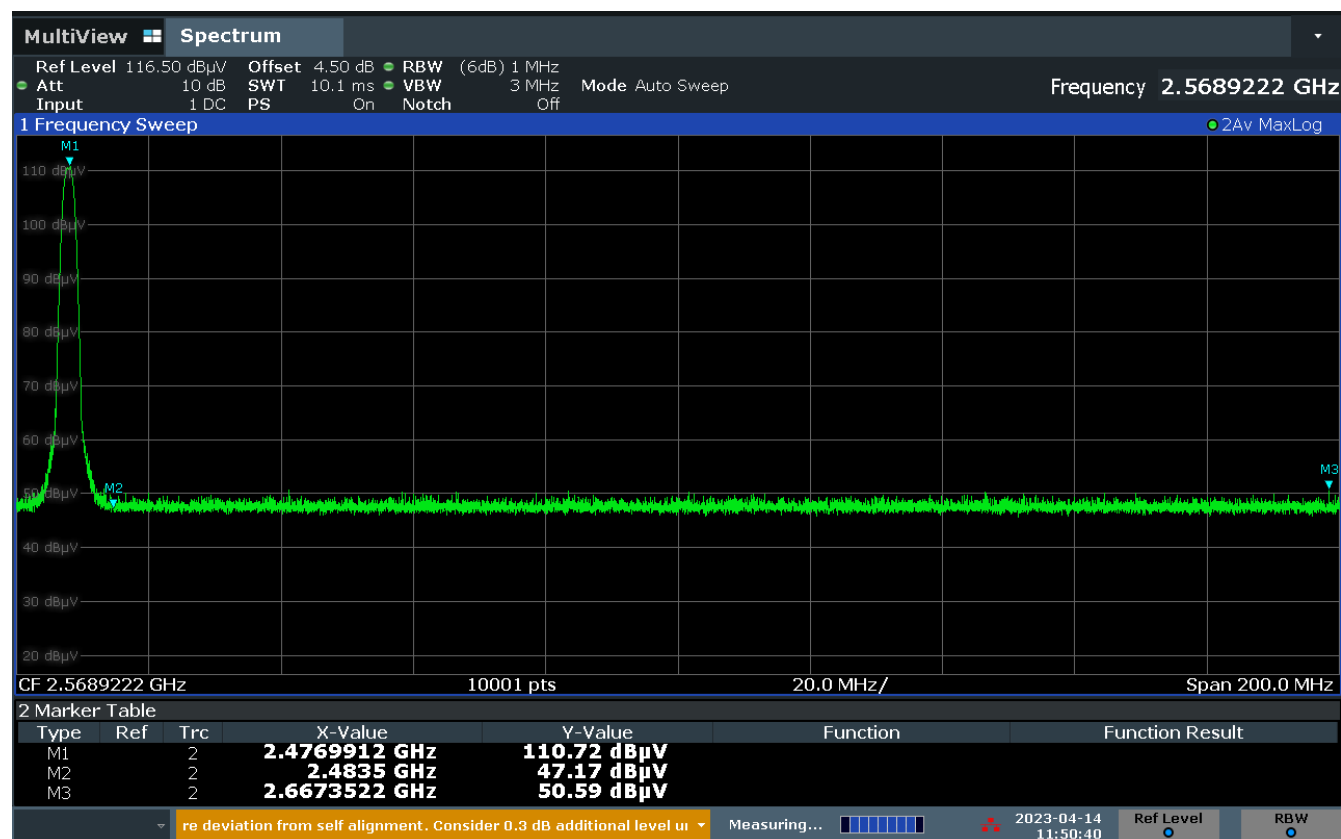


11:48:10 AM 04/14/2023

Figure 2-110 – Band-edge, Mobile Mark LTMG511 Antenna High Channel – Peak

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11:50:40 AM 04/14/2023

Figure 2-111 – Band-edge, Mobile Mark LTMG511 Antenna High Channel – Average

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**Table 2.11-15 – Restricted Band Edge – Mobile Mark LTMG511 Antenna High Channel – Peak**

Frequency (MHz)	Peak Level (dBuV/m)	Peak Limit (dBuV/m)	Peak Margin (dB)	Peak Result
2483.5	50.36	74.00	-23.64	Pass
2505.04	52.70	74.00	-21.30	Pass

Note: Peak level calculation: Final Peak level = analyzer level + correction factor.

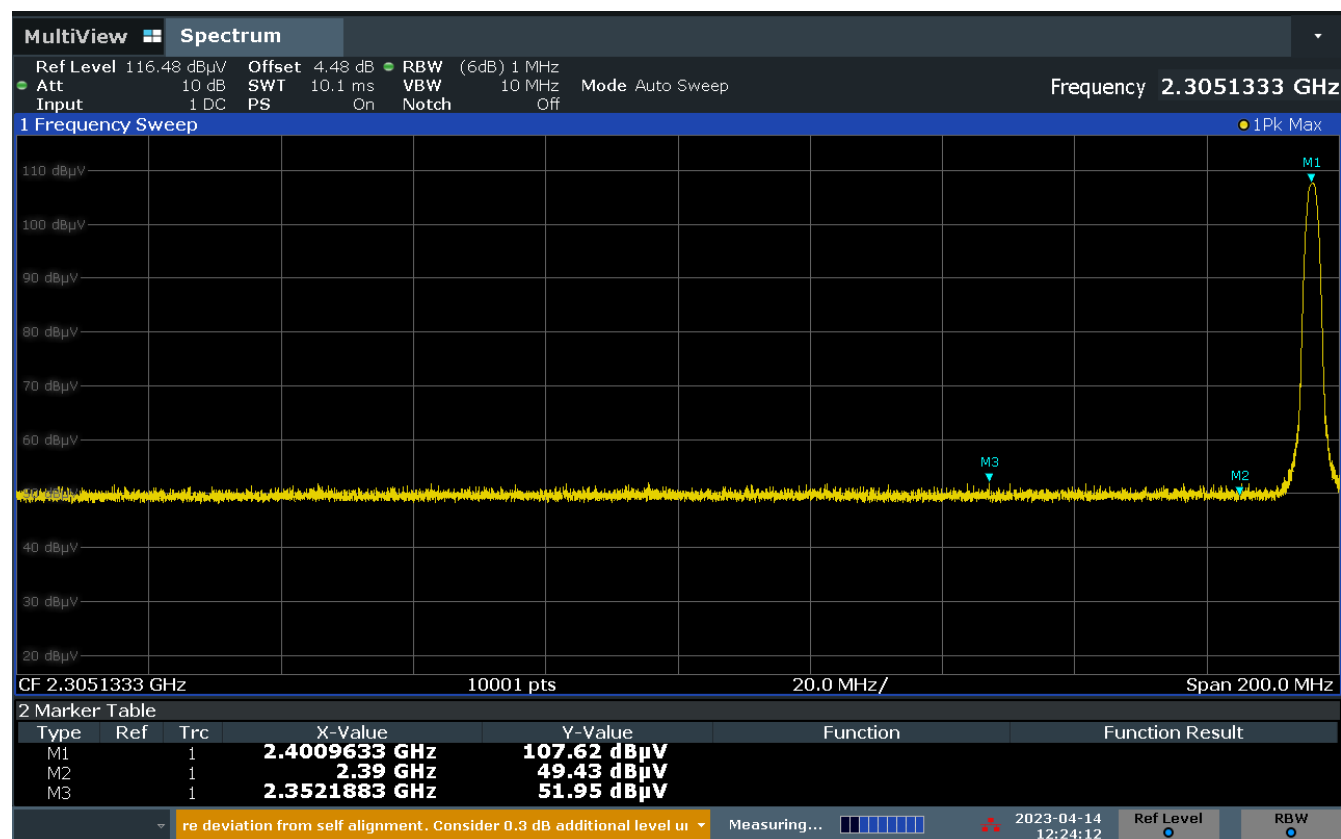
Margin Calculation: Peak Margin = Peak Level – Peak Limit.

Table 2.11-16 – Restricted Band Edge – Mobile Mark LTMG511 Antenna High Channel – Average

Frequency (MHz)	Average Level (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Average Result
2483.5	47.17	54.00	-6.83	Pass
2667.35	50.59	54.00	-3.41	Pass

Note: Peak level calculation: Final Average level = analyzer level + correction factor.

Margin Calculation: Average Margin = Average Level – Average Limit.

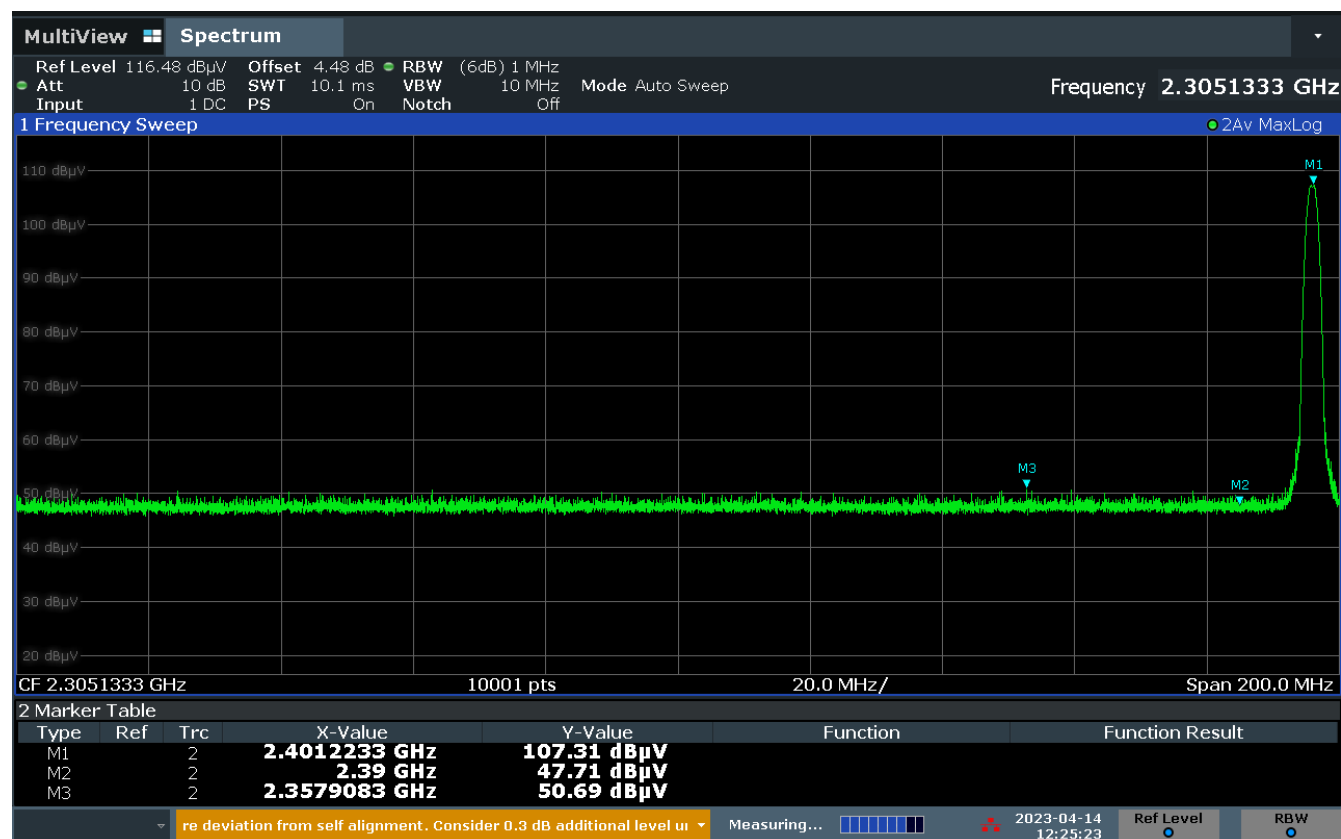


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Figure 2-112 – Band-Edge, Laird MAF94192 Antenna Low Channel – Peak

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12:25:23 PM 04/14/2023

Figure 2-113 – Band-Edge, Laird MAF94192 Antenna Low Channel – Average

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**Table 2.11-17 – Restricted Band Edge – Laird MAF94192 Antenna Low Channel – Peak**

Frequency (MHz)	Peak Level (dBuV/m)	Peak Limit (dBuV/m)	Peak Margin (dB)	Peak Result
2390	49.43	74.00	-24.57	Pass
2352.18	51.95	74.00	-22.05	Pass

Note: Peak level calculation: Final Peak level = analyzer level + correction factor.

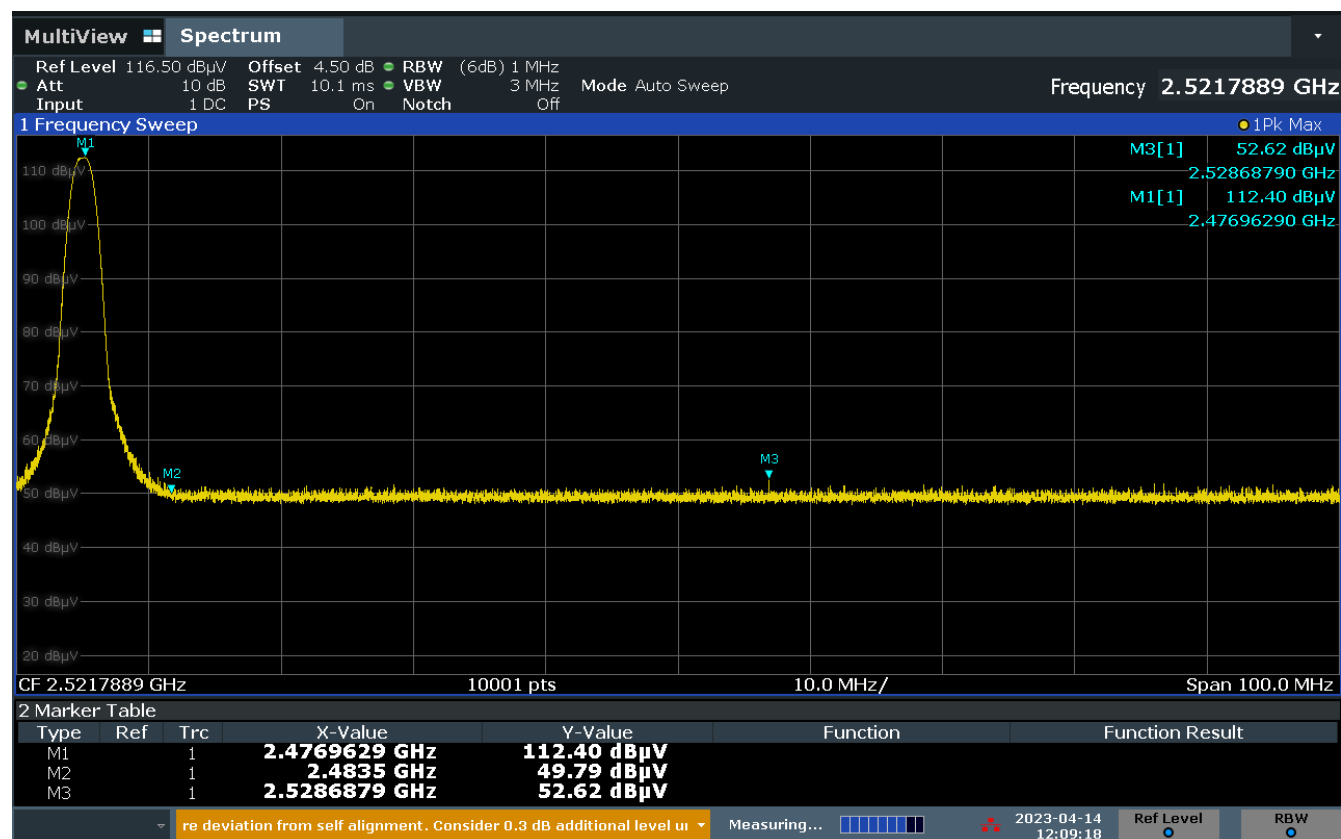
Margin Calculation: Peak Margin = Peak Level – Peak Limit.

Table 2.11-18 – Restricted Band Edge – Laird MAF94192 Antenna Low Channel – Average

Frequency (MHz)	Average Level (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Average Result
2390	47.71	54.00	-6.29	Pass
2357.90	50.69	54.00	-3.31	Pass

Note: Peak level calculation: Final Average level = analyzer level + correction factor.

Margin Calculation: Average Margin = Average Level – Average Limit.

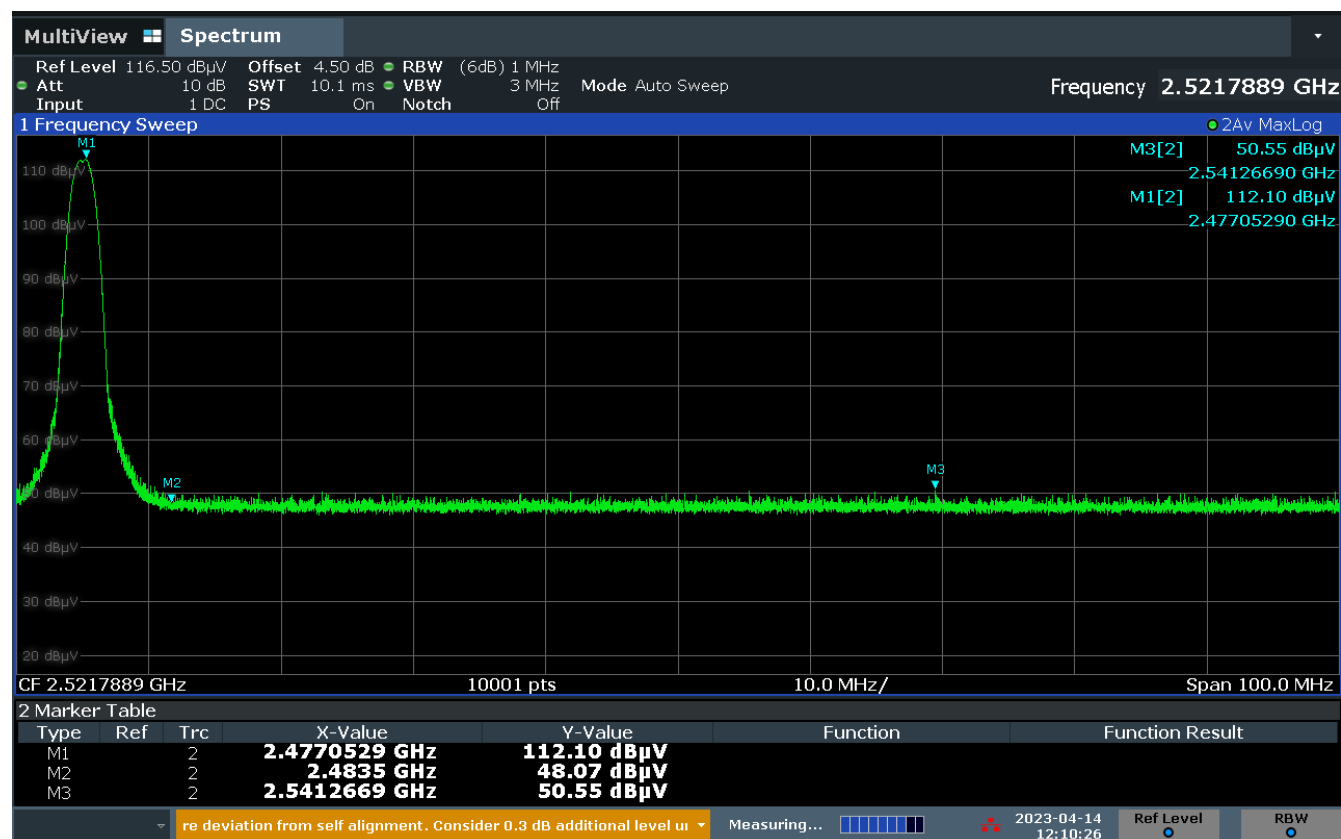


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Figure 2-114 – Band-edge, Laird MAF94192 Antenna High Channel – Peak

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12:10:27 PM 04/14/2023

Figure 2-115 – Band-edge, Laird MAF94192 Antenna High Channel – Average

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**Table 2.11-19 – Restricted Band Edge – Laird MAF94192 Antenna High Channel – Peak**

Frequency (MHz)	Peak Level (dBuV/m)	Peak Limit (dBuV/m)	Peak Margin (dB)	Peak Result
2483.5	49.79	74.00	-24.21	Pass
2528.68	52.62	74.00	-21.38	Pass

Note: Peak level calculation: Final Peak level = analyzer level + correction factor.

Margin Calculation: Peak Margin = Peak Level – Peak Limit.

Table 2.11-20 – Restricted Band Edge – Laird MAF94192 Antenna High Channel – Average

Frequency (MHz)	Average Level (dBuV/m)	Average Limit (dBuV/m)	Average Margin (dB)	Average Result
2483.5	48.07	54.00	-5.93	Pass
2541.26	50.55	54.00	-3.45	Pass

Note: Peak level calculation: Final Average level = analyzer level + correction factor.

Margin Calculation: Average Margin = Average Level – Average Limit.



2.11.7 Test Location and Test Equipment Used

The tests were carried out in New Brighton, MN.
Test Area: 3mSAC

Table 2.11-21 – Restricted Band Edge Equipment List

Device #	Manufacturer	Description	Model	Serial #	Cal Code	Cal Date	Cal Due
WRLE11519	Com-Power Corp.	Preamplifier, 500 MHz-18 GHz	PAM-118A	18040002	B	01/23/2023	01/23/2024
NBLE11630	ETS-Lindgren	Antenna, 1-18 GHz	3117	00218816	G	09/27/2022	09/27/2024
NBLE11754	Rohde & Schwarz	Receiver, 1 Hz-44 GHz	ESW44	103037	G	08/28/2022	08/28/2023

Cal Code G = Calibration performed by an accredited outside source.

Cal Code B = Calibration verification performed internally.

Cal Code Y = Passive Device, or Calibration not required when used with other calibrated equipment.

3 Diagram of Test Setups

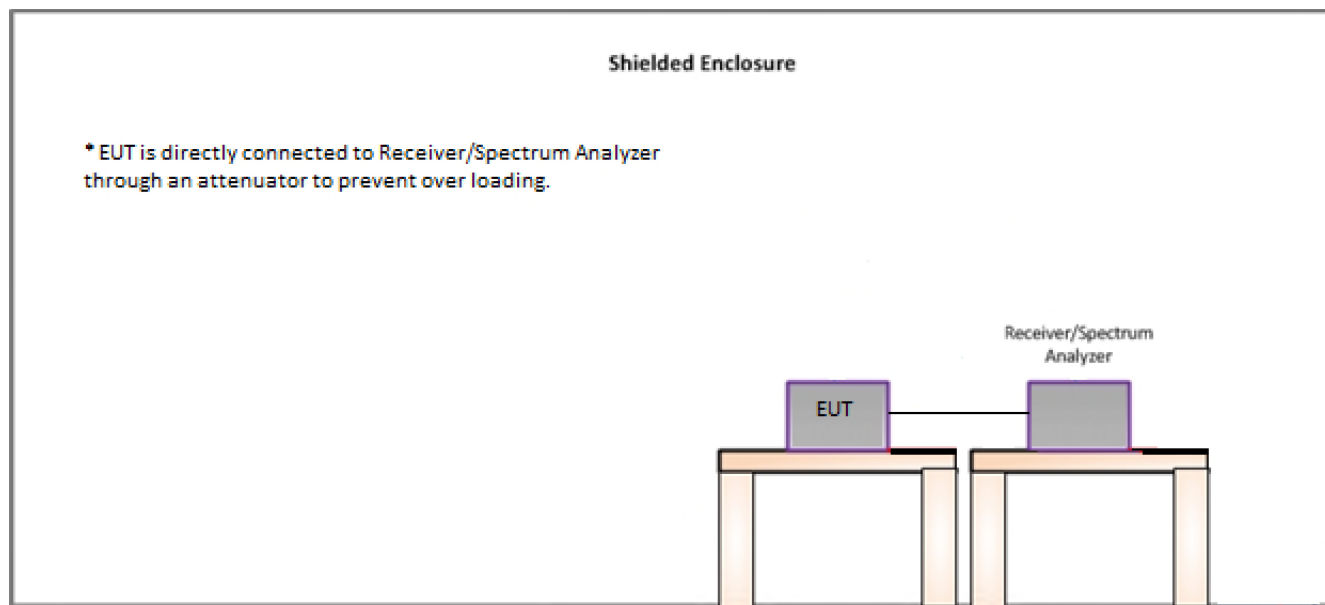


Figure 3-1 – Conducted Test Setup

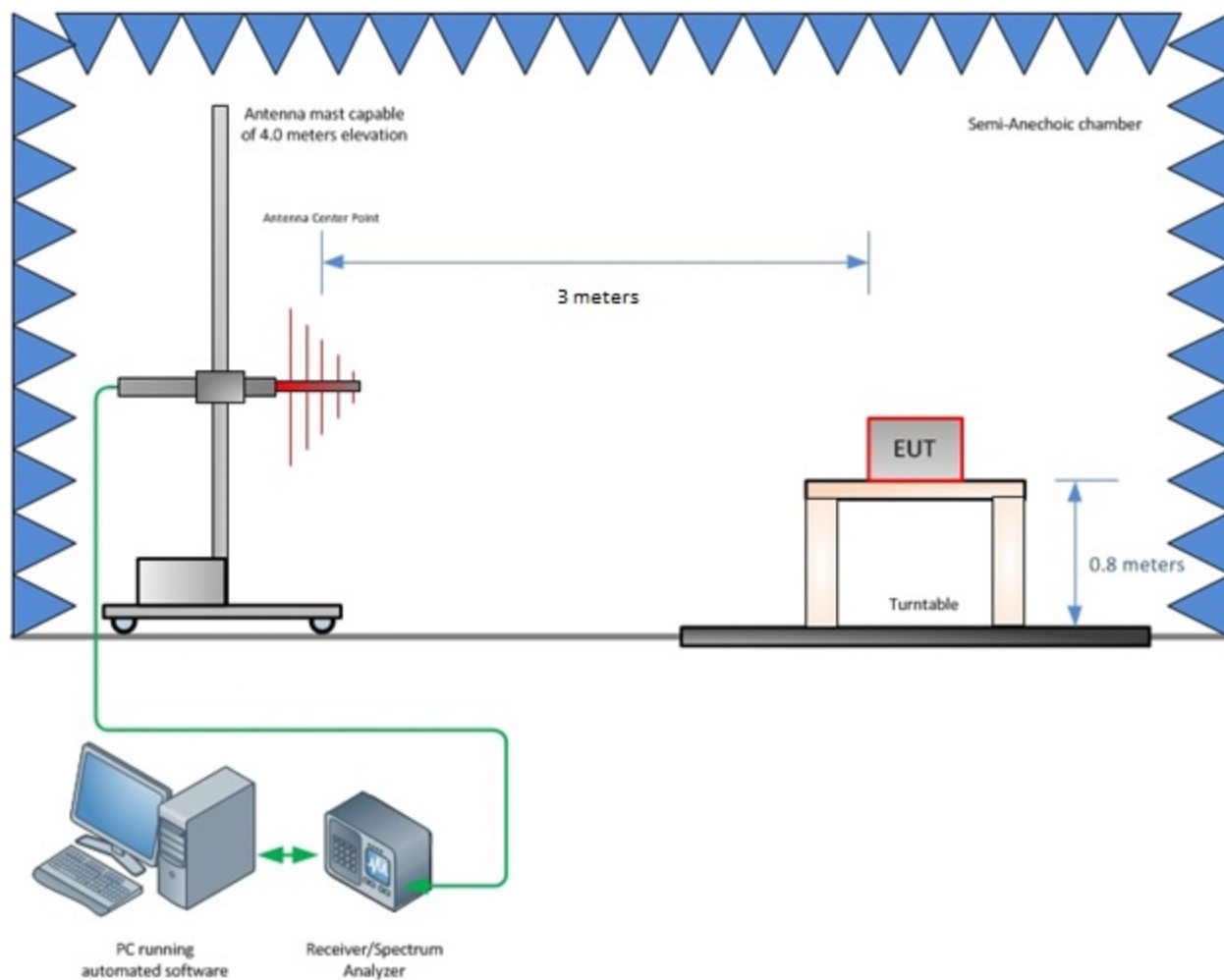


Figure 3-2 – Radiated Emissions Test Setup up to 1 GHz

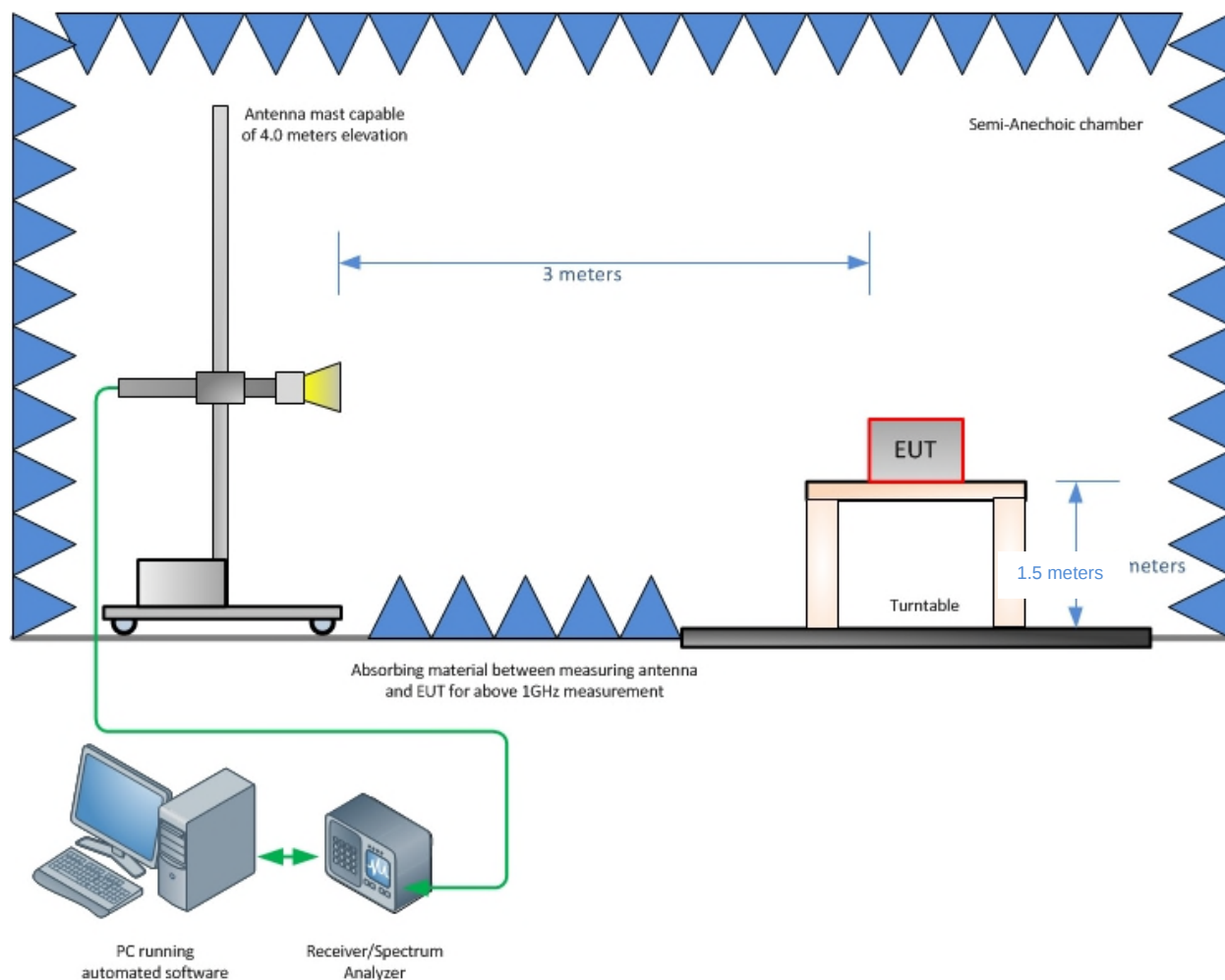


Figure 3-3 – Radiated Emissions Test Setup above 1 GHz



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STATEMENT OF MEASUREMENT UNCERTAINTY – Emissions

The test system for conducted emissions is defined as the LISN, tuned receiver or spectrum analyzer, and coaxial cable. This test system has a measurement uncertainty of ± 3.30 dB. The test system for radiated emissions is defined as the antenna, the pre-amplifier, the spectrum analyzer and the coaxial cable. This test system for 30 MHz-1000 MHz has a measurement uncertainty of ± 5.88 dB and above 1 GHz a measurement uncertainty of ± 4.47 dB. The measurement uncertainty values for conducted and radiated emissions meet the requirements as expressed in CISPR 16-4-2. The equipment comprising the test systems is calibrated on an annual basis.

TEST EQUIPMENT

All measurement instrumentation is traceable to the National Institute of Standards and Technology and is calibrated to meet test method standard requirements and/or manufacturer's specifications