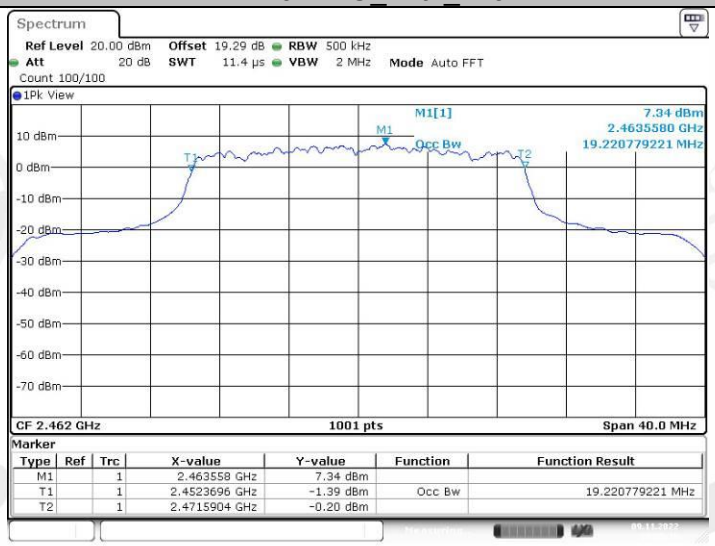
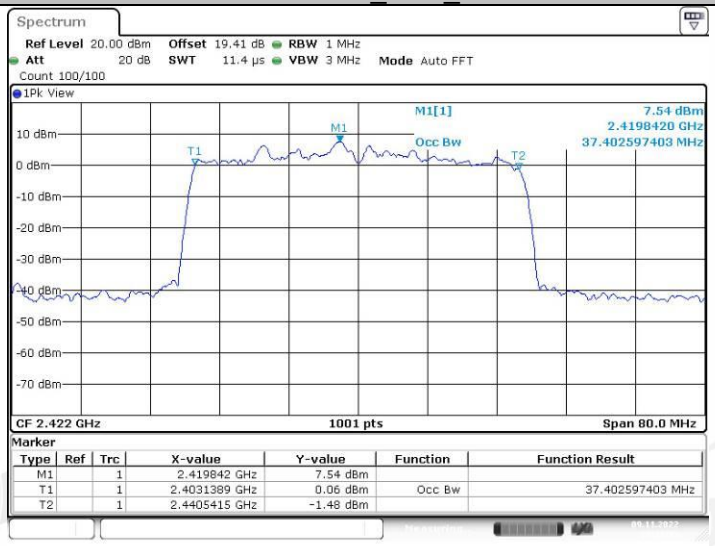
11AX20MIMO_Ant2_2462



Date: 9.NOV.2022 15:25:10

11AX40MIMO_Ant1_2422



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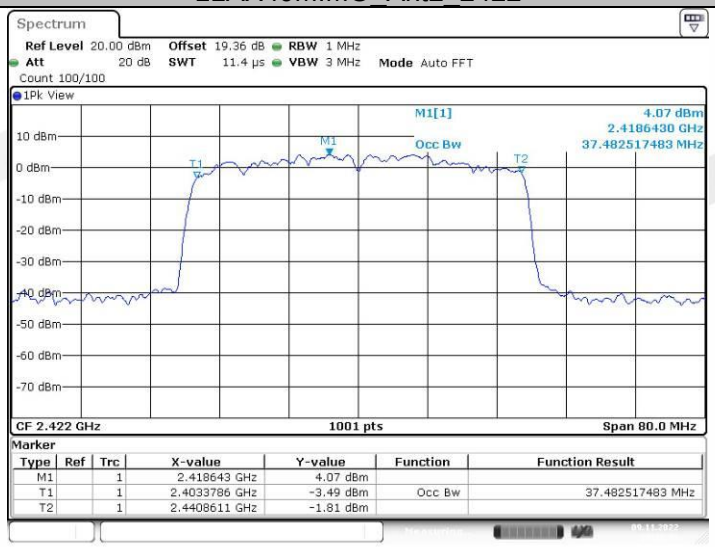
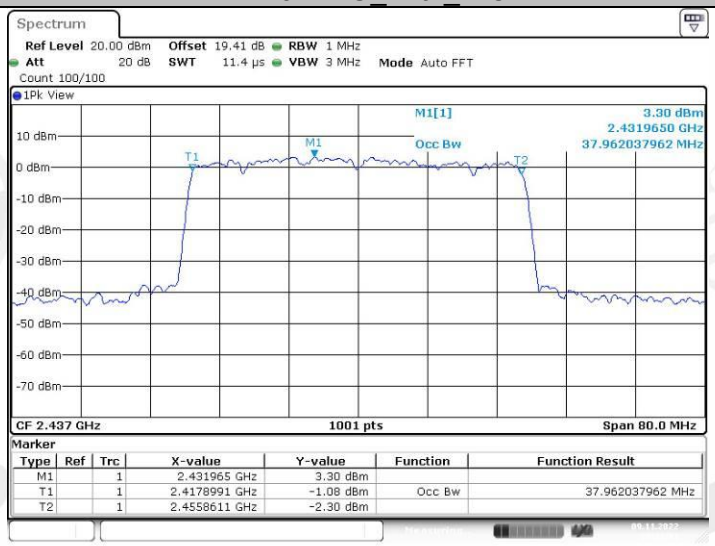


Date: 9.NOV.2022 15:29:33

11AX40MIMO_Ant1_2437



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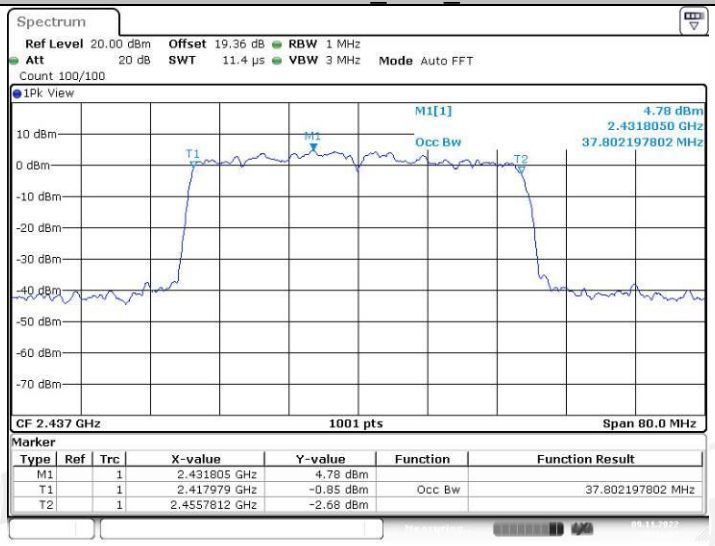
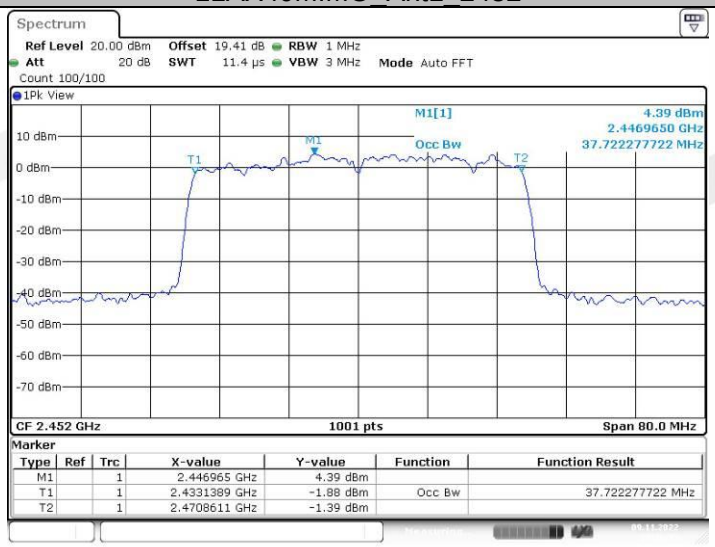
11AX40MIMO_Ant2_2437



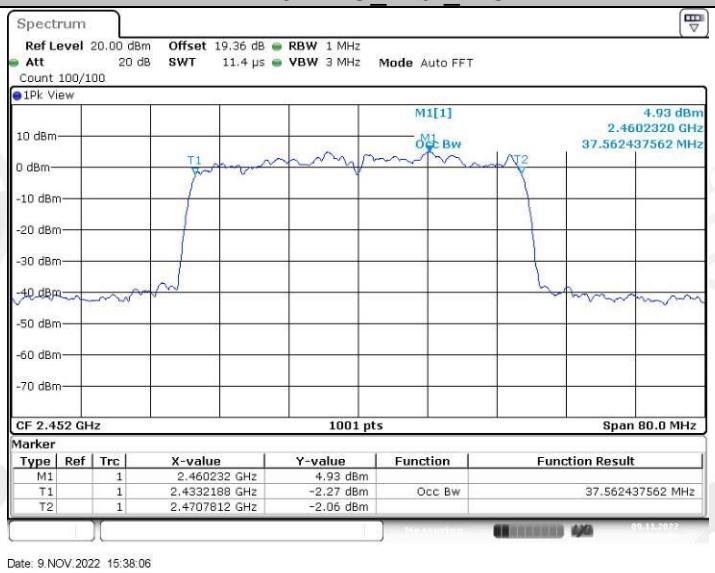
Date: 9.NOV.2022 15:33:51

11AX40MIMO_Ant1_2452



Date: 9.NOV.2022 15:36:05

11AX40MIMO_Ant2_2452



5. Conducted Peak Output Power

5.1. Block diagram of test setup

Same as section 4.1

5.2. Limits

For systems using digital modulation in the 902 - 928 MHz, 2400 - 2483.5 MHz, and 5725 - 5850 MHz bands: 1 Watt. If transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

5.3. Test procedure

Connect each EUT’s antenna output to power sensor by RF cable and attenuator
Measure the PK output power of each antenna port by power sensor

5.4. Test result

Test Mode	Test Channel	Ant	Conducted Peak Output Power [dBm]	Conducted Limit [dBm]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
11B	2412	ANT1	13.76	30	17.66	36	Pass
11B	2412	ANT2	13.42	30	17.32	36	Pass
11B	2437	ANT1	13.27	30	17.17	36	Pass
11B	2437	ANT2	13.92	30	17.82	36	Pass
11B	2462	ANT1	14.00	30	17.90	36	Pass
11B	2462	ANT2	13.76	30	17.66	36	Pass
11G	2412	ANT1	15.56	30	19.46	36	Pass
11G	2412	ANT2	14.85	30	18.75	36	Pass
11G	2437	ANT1	15.01	30	18.91	36	Pass
11G	2437	ANT2	15.29	30	19.19	36	Pass
11G	2462	ANT1	**15.91**	30	19.81	36	Pass
11G	2462	ANT2	15.23	30	19.13	36	Pass
11N20MIMO	2412	ANT1	11.49	30	15.39	36	Pass
11N20MIMO	2412	ANT2	10.57	30	14.47	36	Pass
11N20MIMO	2412	ANT1+2	14.06	29.09	20.97	36	Pass
11N20MIMO	2437	ANT1	10.98	30	14.88	36	Pass
11N20MIMO	2437	ANT2	11.10	30	15.00	36	Pass
11N20MIMO	2437	ANT1+2	14.05	29.09	20.96	36	Pass
11N20MIMO	2462	ANT1	11.84	30	15.74	36	Pass
11N20MIMO	2462	ANT2	11.14	30	15.04	36	Pass
11N20MIMO	2462	ANT1+2	14.51	29.09	21.42	36	Pass
11N40MIMO	2422	ANT1	11.50	30	15.40	36	Pass
11N40MIMO	2422	ANT2	10.67	30	14.57	36	Pass
11N40MIMO	2422	ANT1+2	14.12	29.09	21.03	36	Pass
11N40MIMO	2437	ANT1	10.90	30	14.80	36	Pass
11N40MIMO	2437	ANT2	11.13	30	15.03	36	Pass
11N40MIMO	2437	ANT1+2	14.03	29.09	20.94	36	Pass
11N40MIMO	2452	ANT1	10.86	30	14.76	36	Pass
11N40MIMO	2452	ANT2	11.09	30	14.99	36	Pass
11N40MIMO	2452	ANT1+2	13.99	29.09	20.90	36	Pass
11AX20MIMO	2412	ANT1	11.80	30	15.70	36	Pass
11AX20MIMO	2412	ANT2	10.89	30	14.79	36	Pass
11AX20MIMO	2412	ANT1+2	14.38	29.09	21.29	36	Pass
11AX20MIMO	2437	ANT1	11.22	30	15.12	36	Pass

11AX20MIMO	2437	ANT2	11.35	30	15.25	36	Pass
11AX20MIMO	2437	ANT1+2	14.30	29.09	21.21	36	Pass
11AX20MIMO	2462	ANT1	12.11	30	16.01	36	Pass
11AX20MIMO	2462	ANT2	11.36	30	15.26	36	Pass
11AX20MIMO	2462	ANT1+2	14.76	29.09	21.67	36	Pass
11AX40MIMO	2422	ANT1	10.68	30	14.58	36	Pass
11AX40MIMO	2422	ANT2	9.77	30	13.67	36	Pass
11AX40MIMO	2422	ANT1+2	13.26	29.09	20.17	36	Pass
11AX40MIMO	2437	ANT1	10.12	30	14.02	36	Pass
11AX40MIMO	2437	ANT2	10.28	30	14.18	36	Pass
11AX40MIMO	2437	ANT1+2	13.21	29.09	20.12	36	Pass
11AX40MIMO	2452	ANT1	10.09	30	13.99	36	Pass
11AX40MIMO	2452	ANT2	10.23	30	14.13	36	Pass
11AX40MIMO	2452	ANT1+2	13.17	29.09	20.08	36	Pass

6. Power Spectral Density

6.1. Block diagram of test setup

Same as section 4.1

6.2. Limits

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

6.3. Test procedure

(1) Connect EUT's antenna output to spectrum analyzer by RF cable.

(2) Set the spectrum analyzer as follows:

Center frequency	DTS Channel center frequency
RBW:	3 kHz ≤ RBW ≤ 100 kHz
VBW:	≥ 3RBW
Span	1.5 times the DTS bandwidth
Detector Mode:	Peak
Sweep time:	auto
Trace mode	Max hold

(3) Allow the trace to stabilize, use the peak marker function to determine the maximum amplitude level within the RBW.

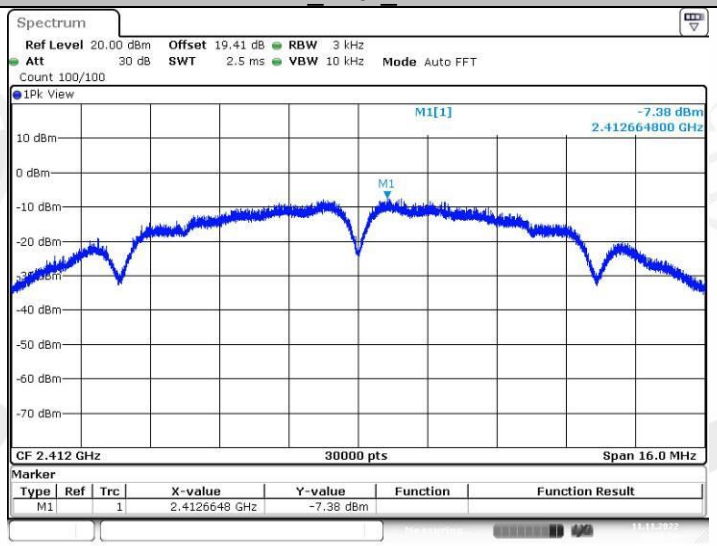
(4) If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

6.4. Test result

Test Mode	Antenna	Channel [MHz]	Result [dBm/ 3 kHz]	Limit [dBm/ 3 kHz]	Verdict
11B	ANT1	2412	-7.38	8	Pass
11B	ANT2	2412	-7.66	8	Pass
11B	ANT1	2437	-7.02	8	Pass
11B	ANT2	2437	-7.55	8	Pass
11B	ANT1	2462	-7.39	8	Pass
11B	ANT2	2462	-6.81	8	Pass
11G	ANT1	2412	-8.13	8	Pass
11G	ANT2	2412	-9.12	8	Pass
11G	ANT1	2437	-7.69	8	Pass
11G	ANT2	2437	-8.51	8	Pass
11G	ANT1	2462	-6.96	8	Pass
11G	ANT2	2462	-7.95	8	Pass
11N20MIMO	ANT1	2412	-12.49	8	Pass
11N20MIMO	ANT2	2412	-13.1	8	Pass
11N20MIMO	ANT1+2	2412	-9.77	7.09	Pass
11N20MIMO	ANT1	2437	-13.19	8	Pass
11N20MIMO	ANT2	2437	-13.11	8	Pass
11N20MIMO	ANT1+2	2437	-10.14	7.09	Pass
11N20MIMO	ANT1	2462	-12.42	8	Pass
11N20MIMO	ANT2	2462	-12.82	8	Pass
11N20MIMO	ANT1+2	2462	-9.61	7.09	Pass
11N40MIMO	ANT1	2422	-14.4	8	Pass
11N40MIMO	ANT2	2422	-15.9	8	Pass
11N40MIMO	ANT1+2	2422	-12.08	7.09	Pass
11N40MIMO	ANT1	2437	-16.96	8	Pass
11N40MIMO	ANT2	2437	-16.09	8	Pass
11N40MIMO	ANT1+2	2437	-13.49	7.09	Pass
11N40MIMO	ANT1	2452	-16	8	Pass
11N40MIMO	ANT2	2452	-15.16	8	Pass
11N40MIMO	ANT1+2	2452	-12.55	7.09	Pass
11AX20MIMO	ANT1	2412	-14.05	8	Pass
11AX20MIMO	ANT2	2412	-14.89	8	Pass
11AX20MIMO	ANT1+2	2412	-11.44	7.09	Pass
11AX20MIMO	ANT1	2437	-13.68	8	Pass
11AX20MIMO	ANT2	2437	-14.35	8	Pass
11AX20MIMO	ANT1+2	2437	-10.99	7.09	Pass
11AX20MIMO	ANT1	2462	-12.26	8	Pass
11AX20MIMO	ANT2	2462	-12.41	8	Pass
11AX20MIMO	ANT1+2	2462	-9.32	7.09	Pass
11AX40MIMO	ANT1	2422	-17.77	8	Pass
11AX40MIMO	ANT2	2422	-19.03	8	Pass
11AX40MIMO	ANT1+2	2422	-15.34	7.09	Pass
11AX40MIMO	ANT1	2437	-17.98	8	Pass
11AX40MIMO	ANT2	2437	-17.56	8	Pass
11AX40MIMO	ANT1+2	2437	-14.75	7.09	Pass
11AX40MIMO	ANT1	2452	-18.56	8	Pass
11AX40MIMO	ANT2	2452	-16.42	8	Pass
11AX40MIMO	ANT1+2	2452	-14.35	7.09	Pass

6.5. Original test data

11B_Ant1_2412



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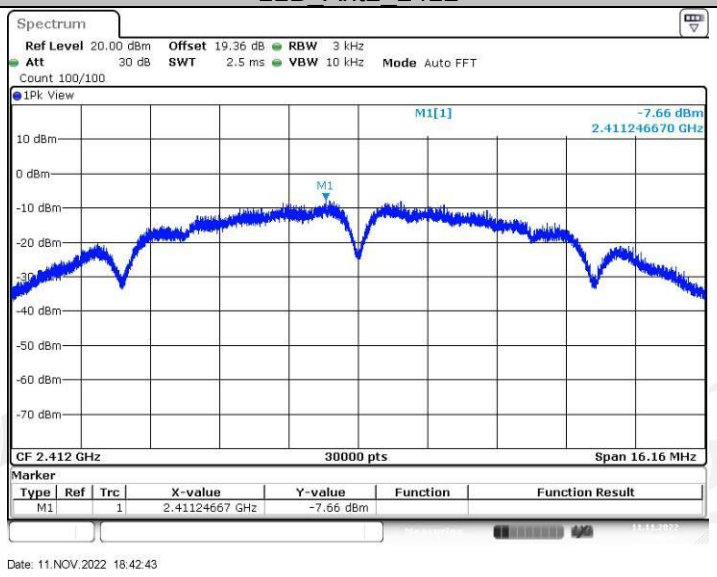

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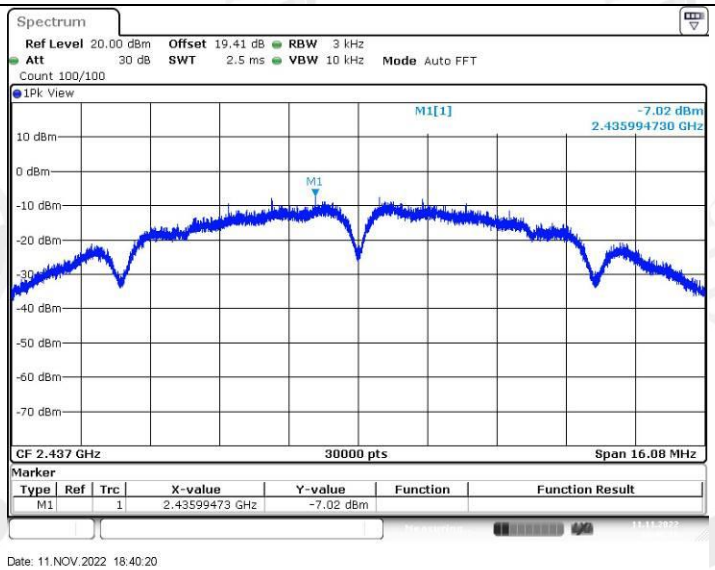

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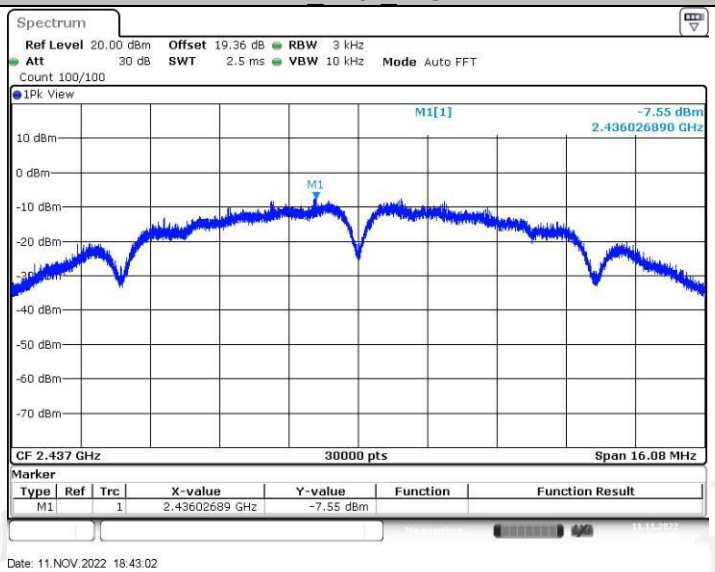

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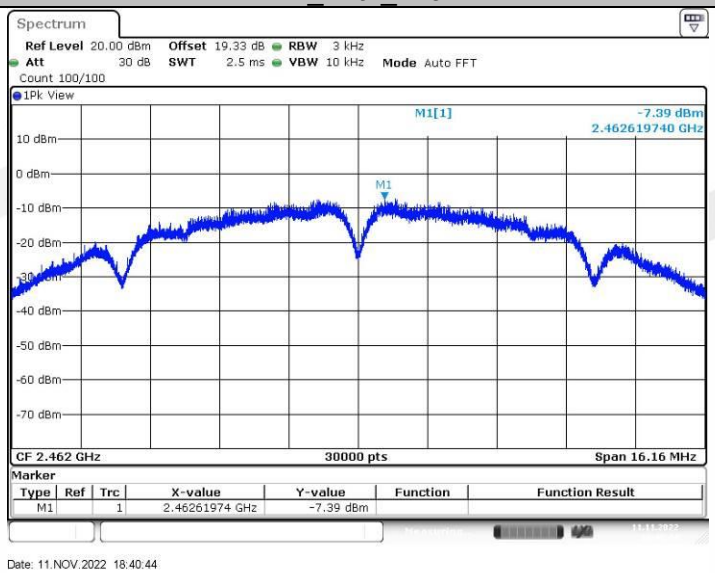

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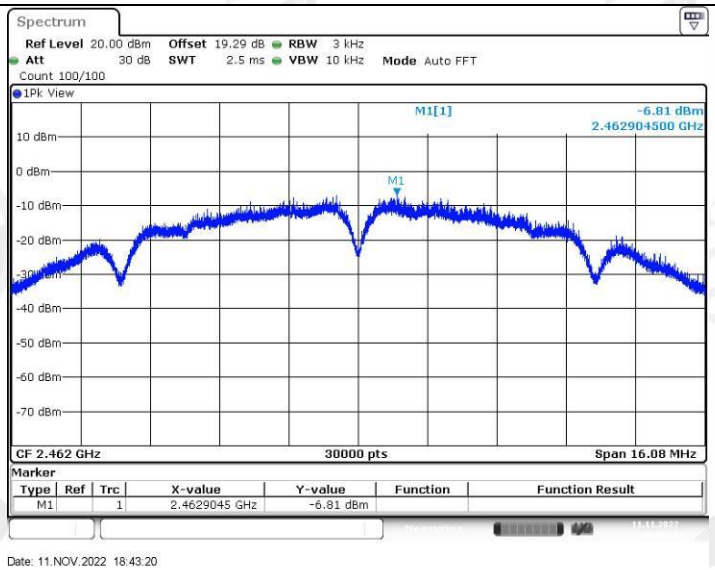

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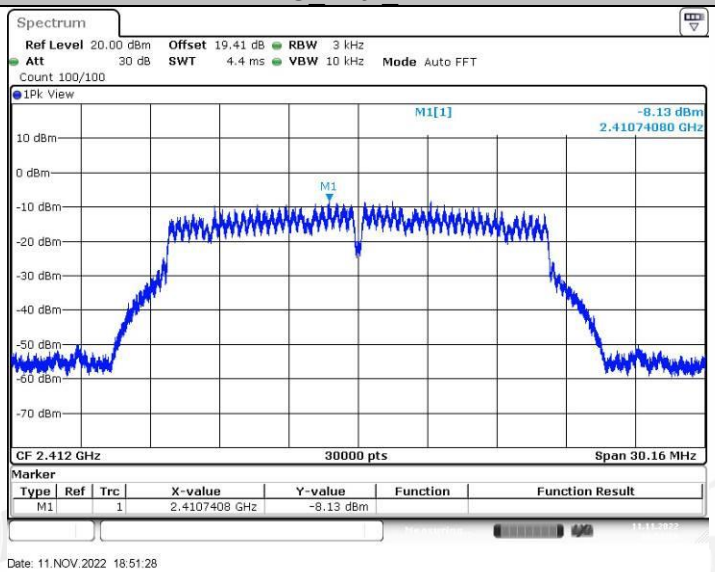
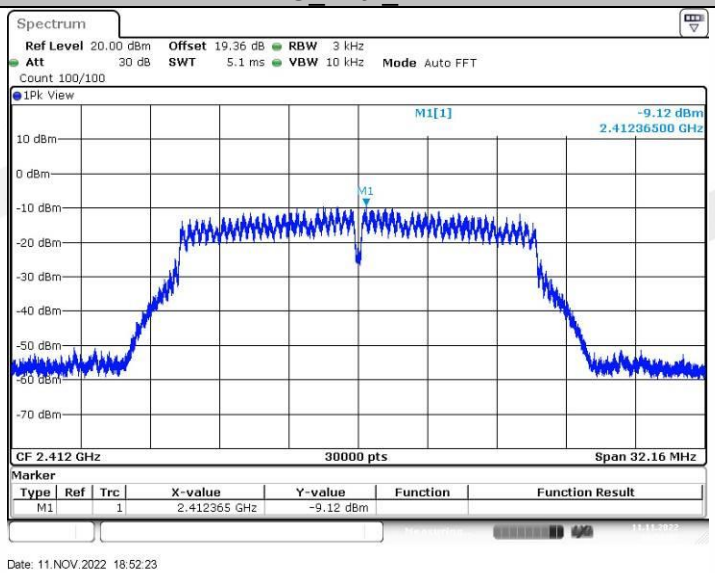


11G_Ant2_2412



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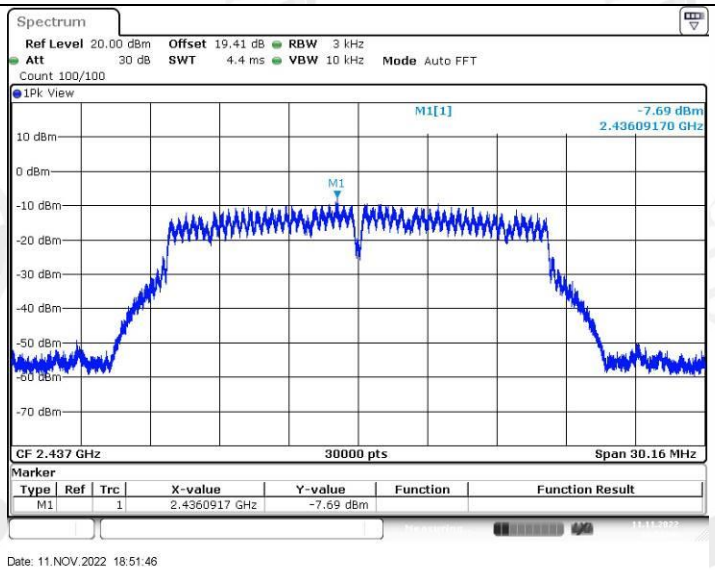

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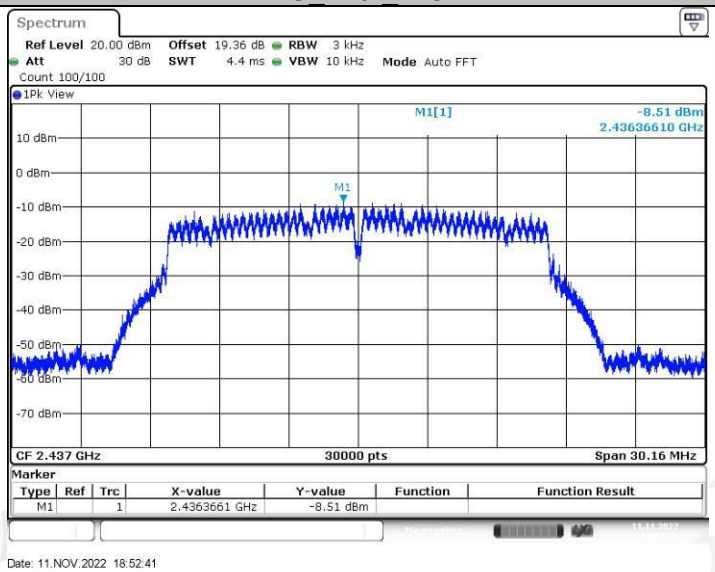

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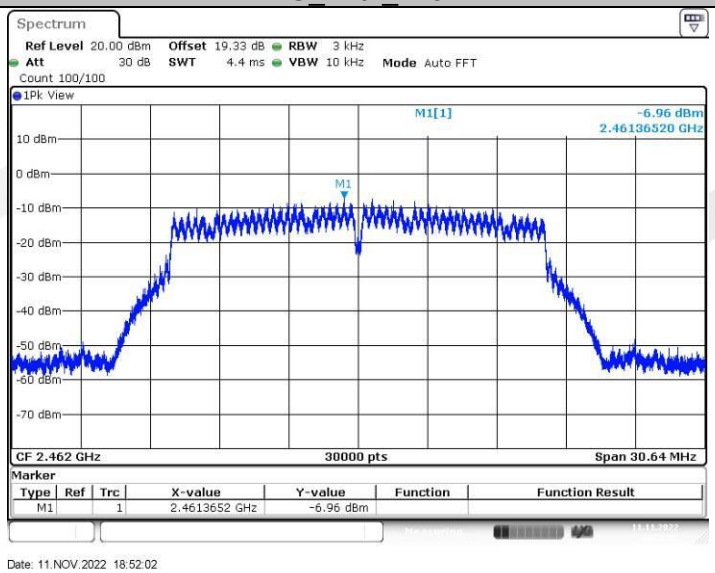

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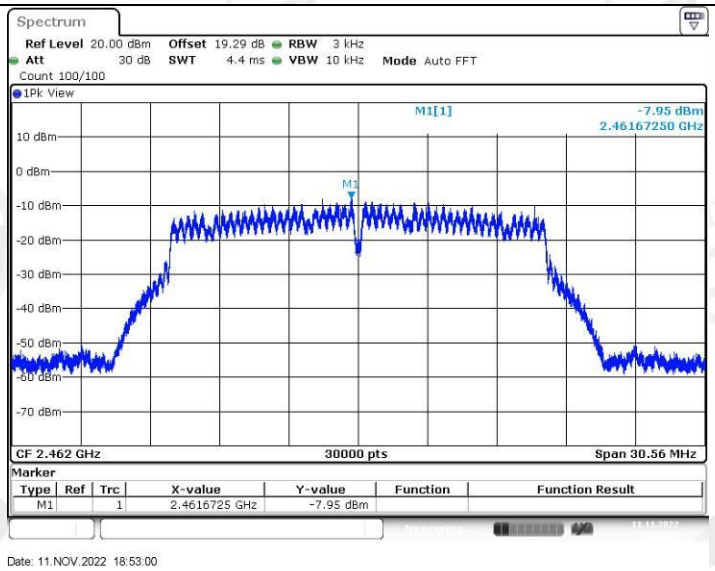
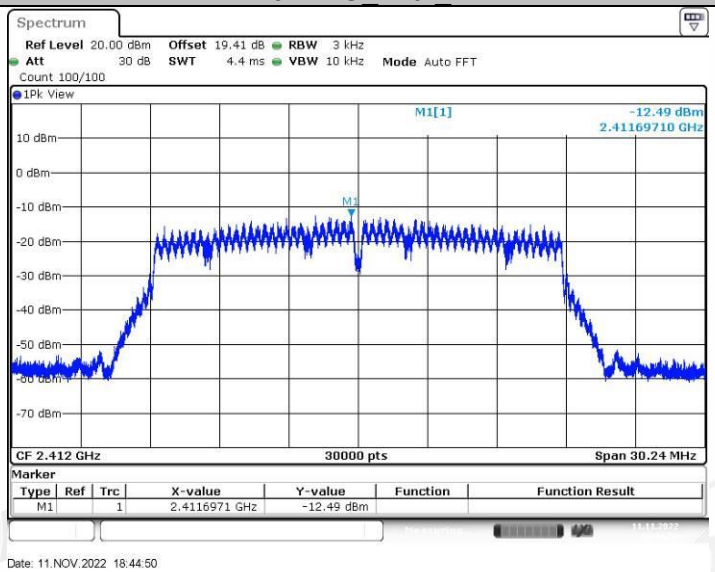


11N20MIMO_Ant1_2412



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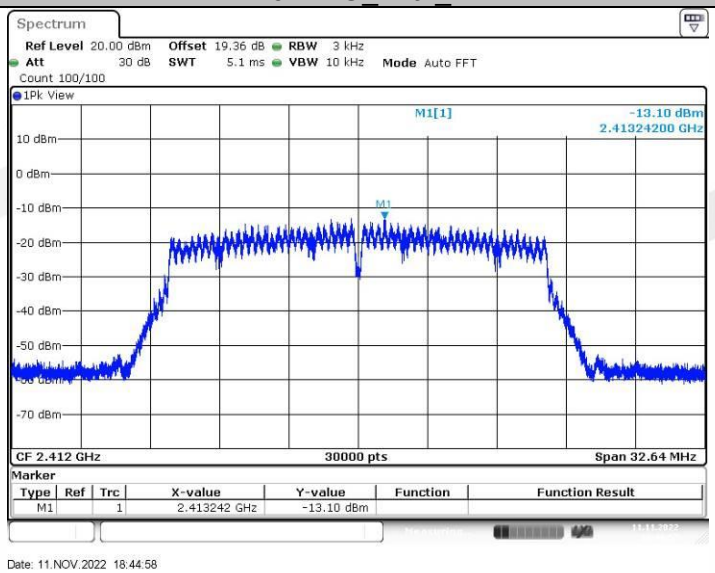

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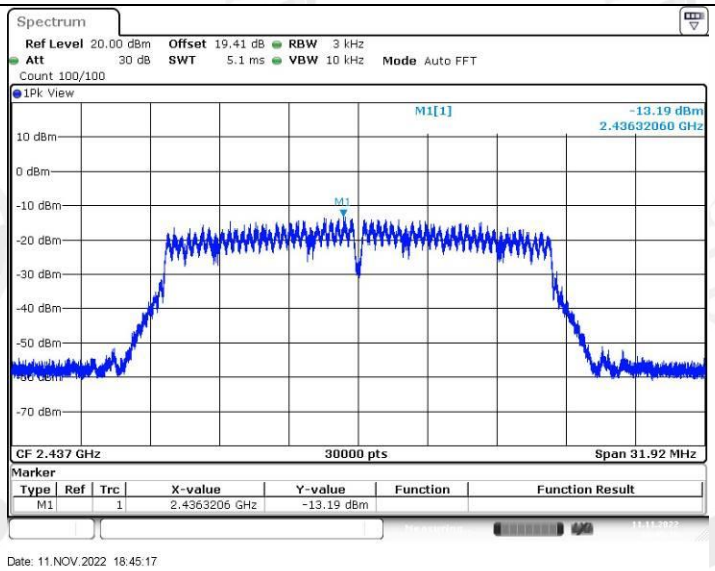

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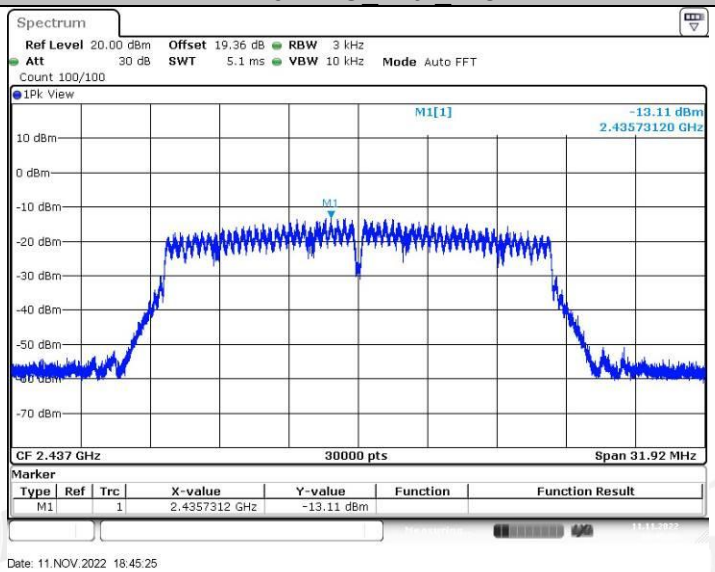

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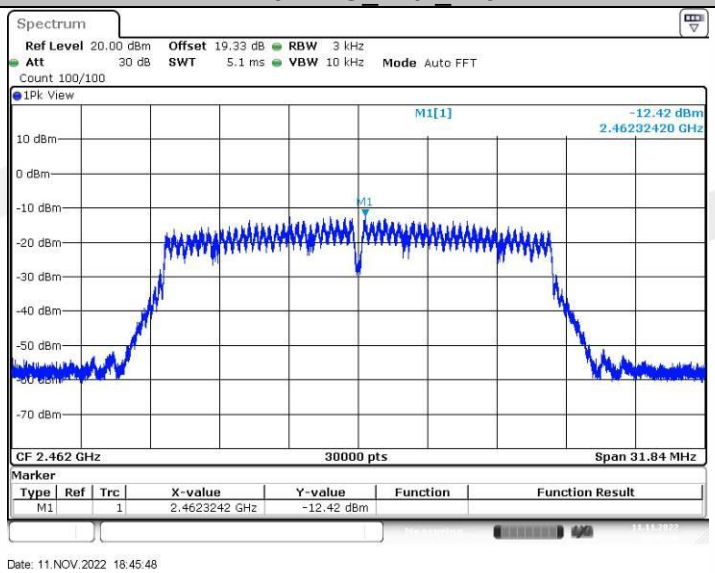

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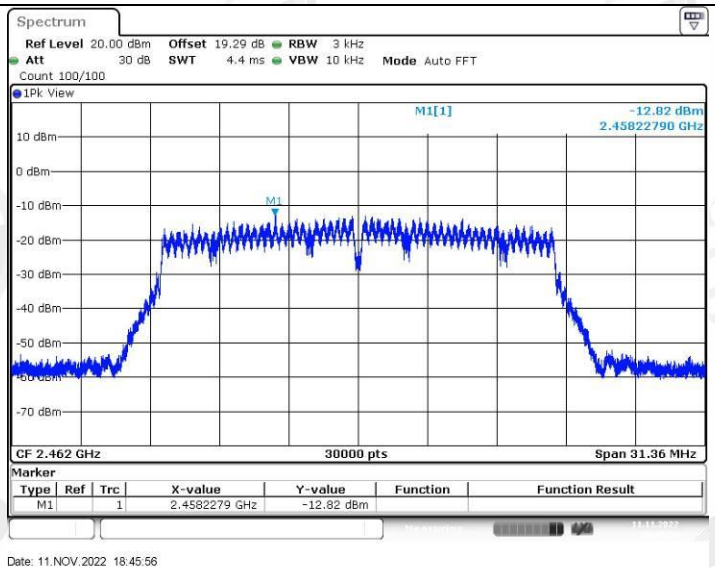

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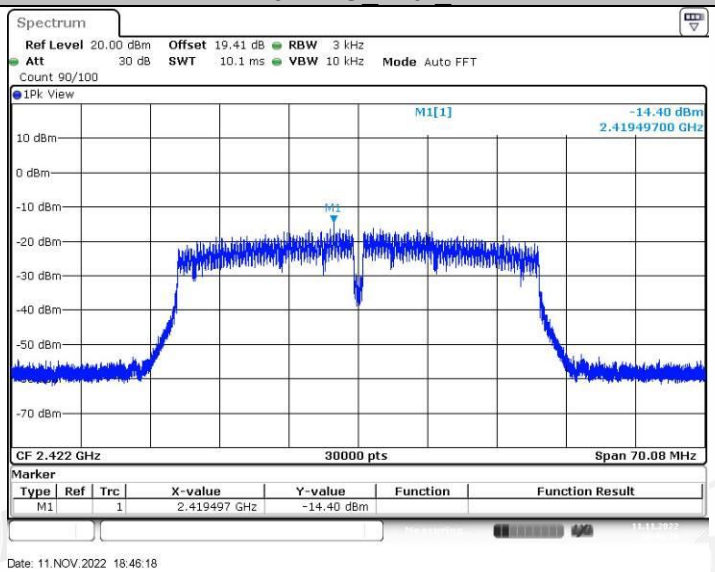

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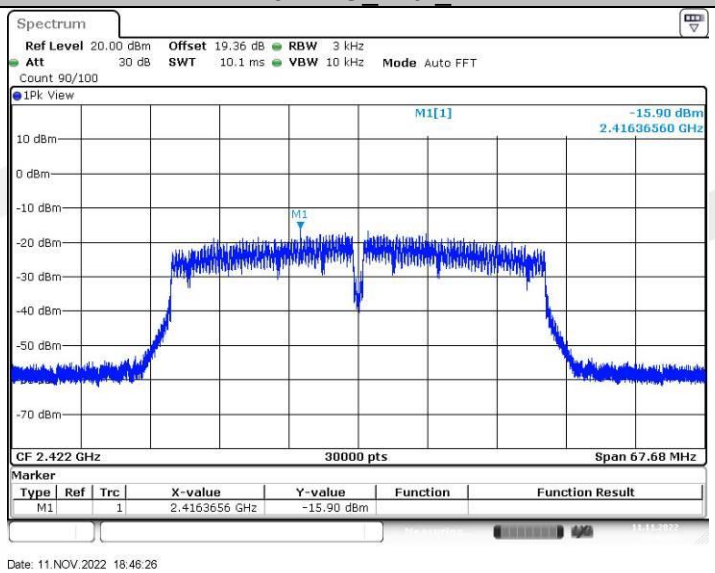

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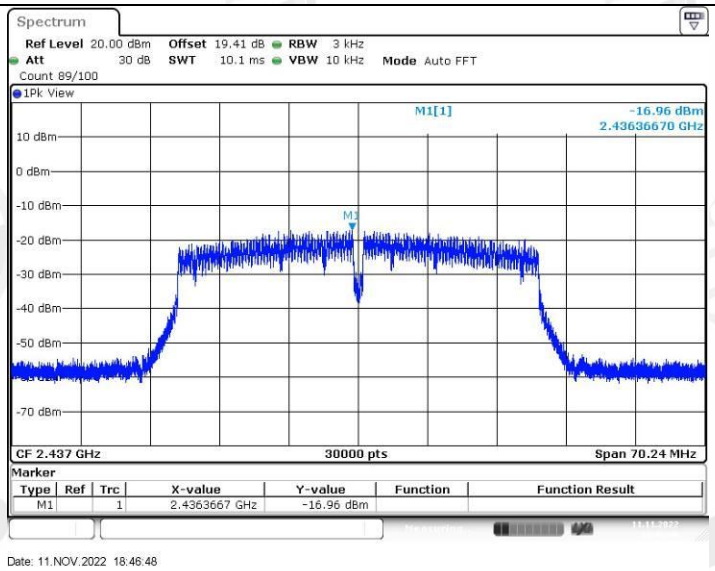

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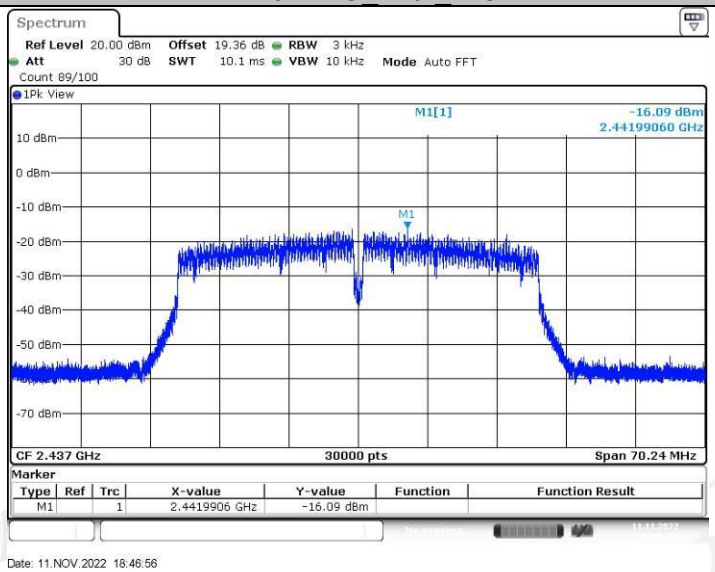

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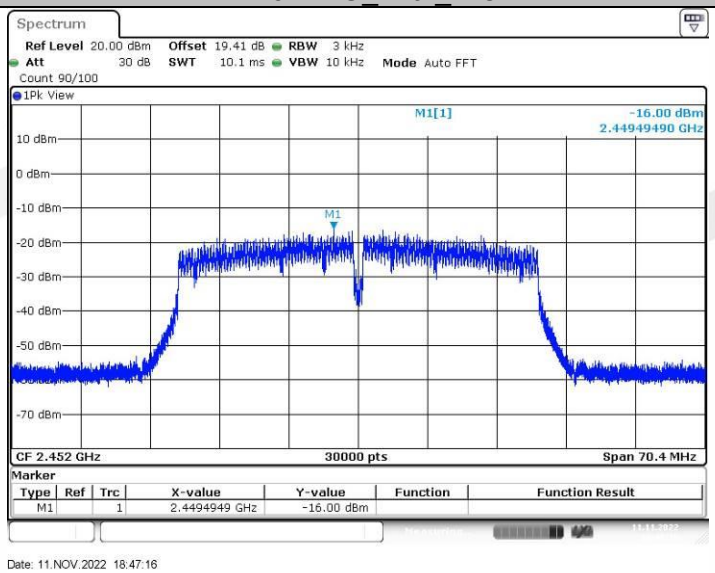

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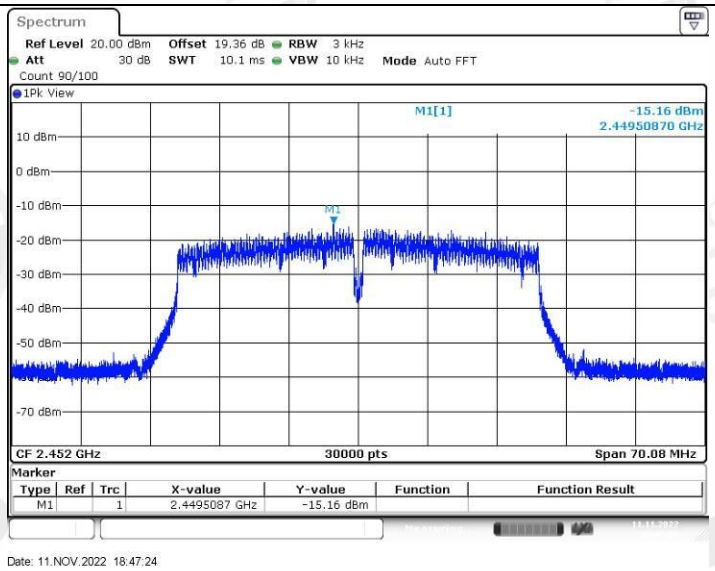
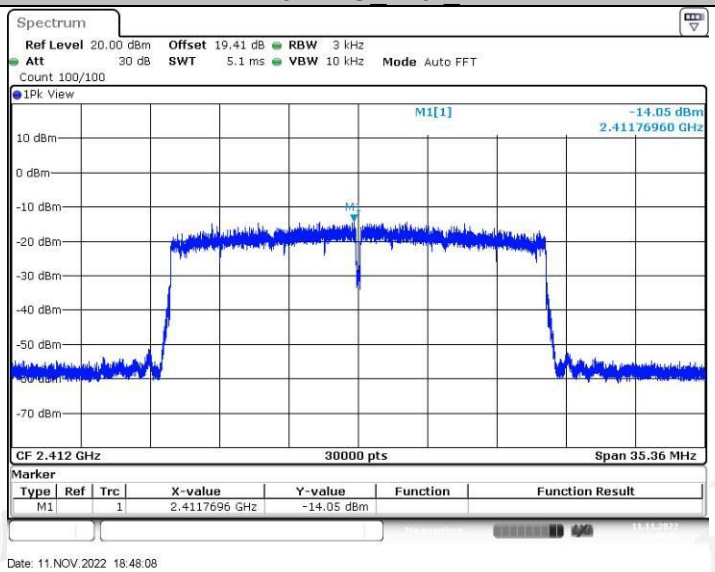
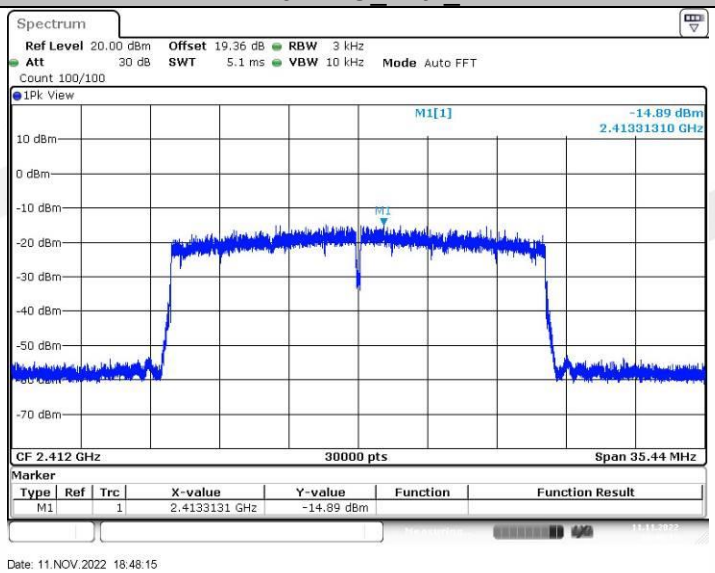


11AX20MIMO_Ant1_2412



11AX20MIMO_Ant2_2412



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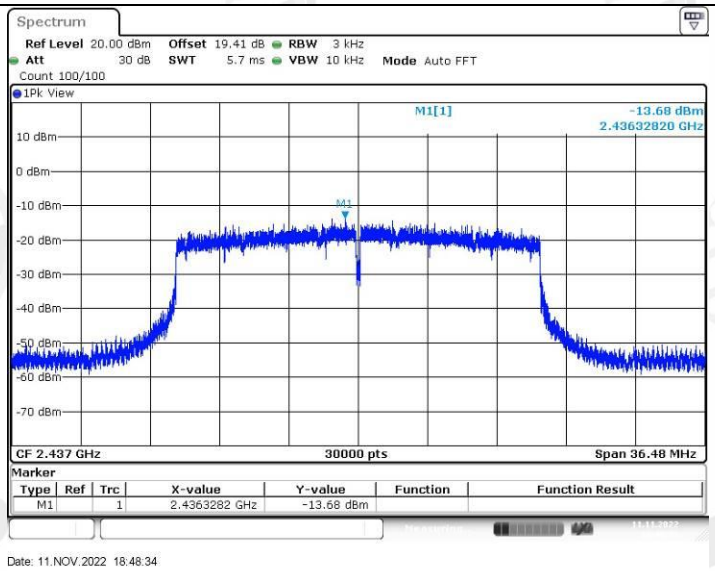

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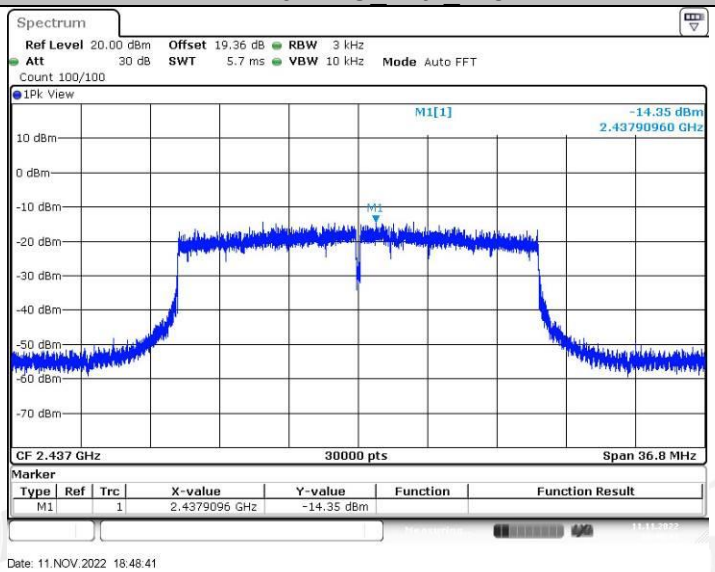
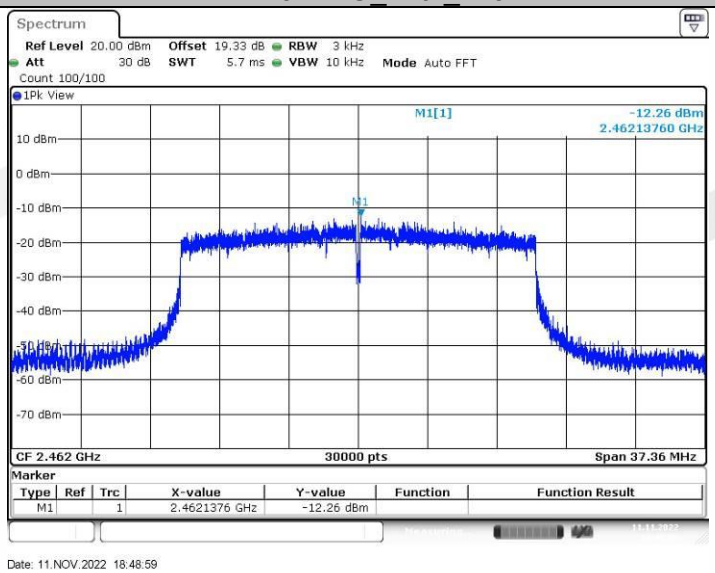


11AX20MIMO_Ant1_2462



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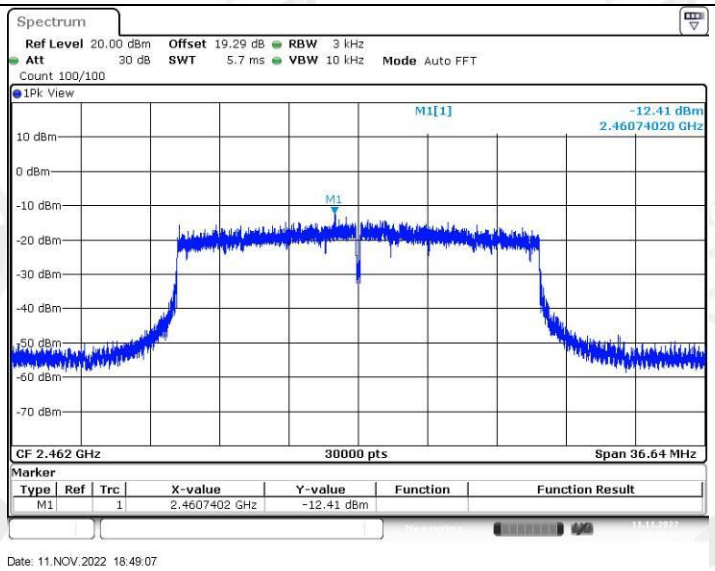
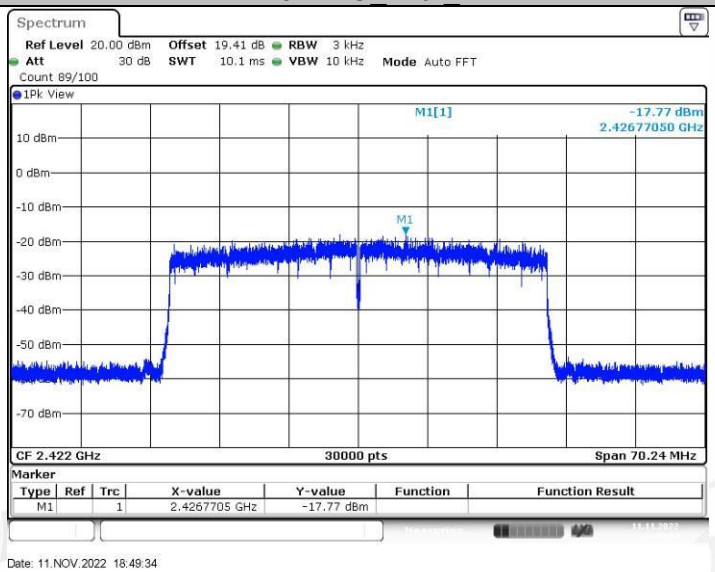
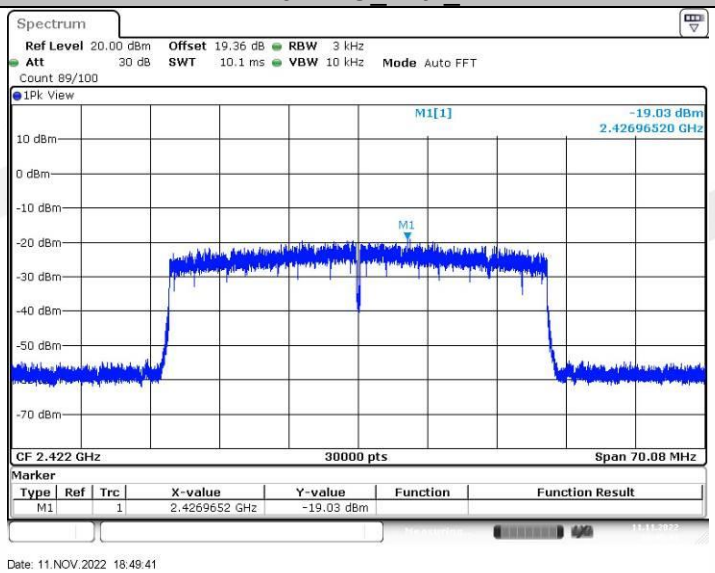


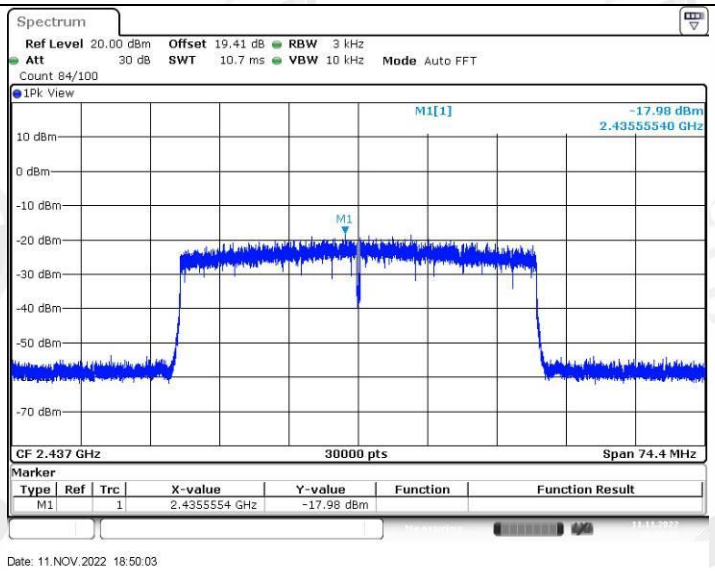
11AX40MIMO_Ant1_2422



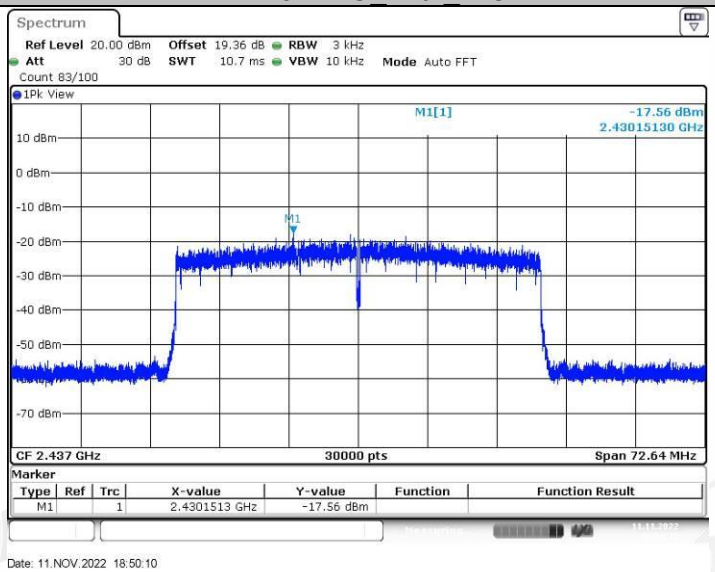
11AX40MIMO_Ant2_2422



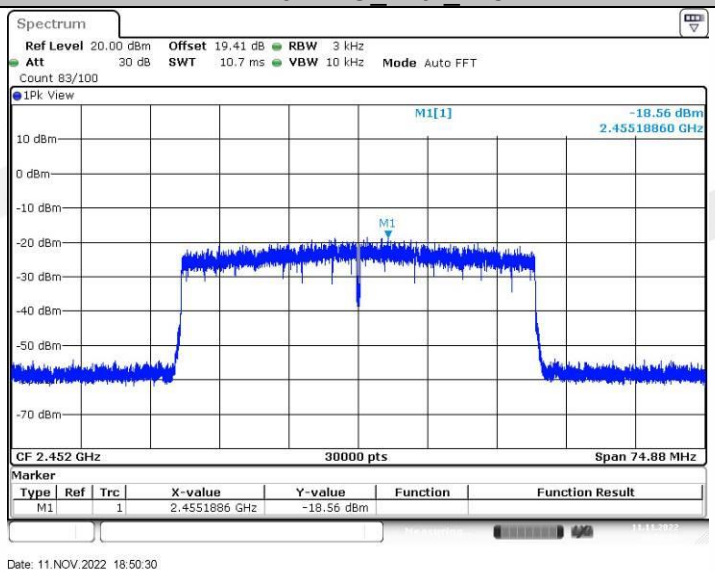
11AX40MIMO_Ant1_2437



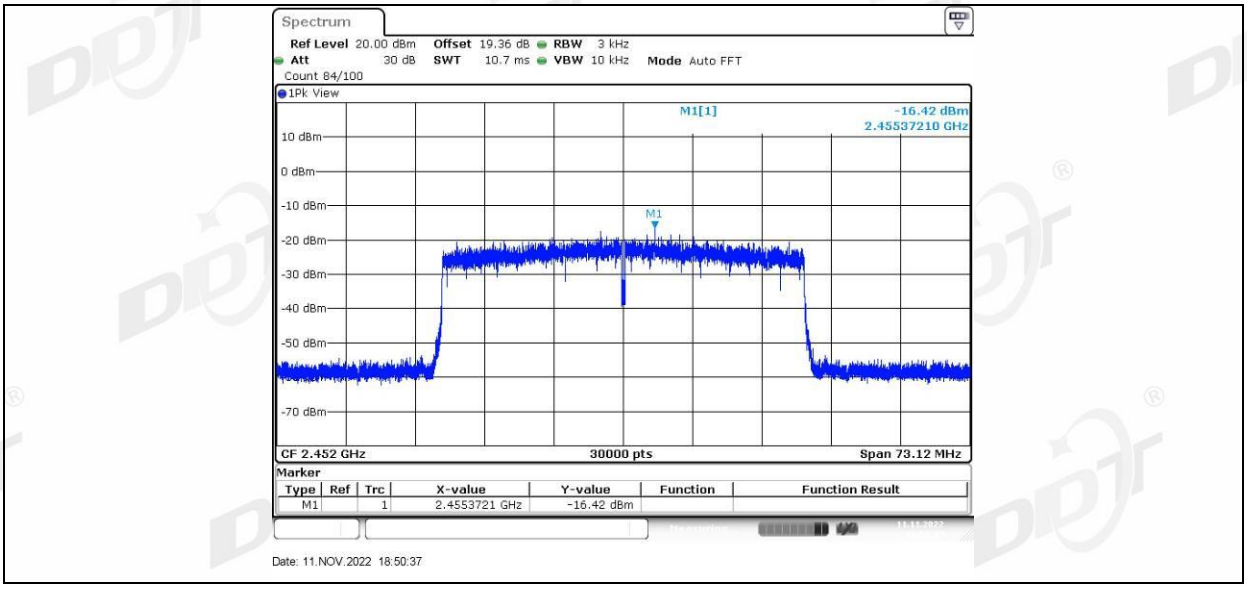
11AX40MIMO_Ant2_2437



11AX40MIMO_Ant1_2452



11AX40MIMO_Ant2_2452


Spectrum
Ref Level 20.00 dBm Offset 19.36 dB RBW 3 kHz
Att 30 dB SWT 10.7 ms VBW 10 kHz Mode Auto FFT
Count 84/100
1Pk View
M1[1] -16.42 dBm
2.45537210 GHz
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-70 dBm
M1
CF 2.452 GHz
30000 pts
Span 73.12 MHz
Marker
Type Ref Trc X-value Y-value Function Function Result
M1 1 2.4553721 GHz -16.42 dBm
Date: 11.NOV.2022 18:50:37

7. Band Edge Compliance (Conducted Method)

7.1. Block diagram of test setup

Same as section 4.1

7.2. Limits

In any 100 kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator in operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power.

7.3. Test procedure

(1) Connect EUT's antenna output to spectrum analyzer by RF cable.

(2) Establish a reference level by using the following procedure:

RBW:	100 kHz
VBW:	300 kHz
Span	Encompass frequency range to be measured
Detector Mode:	RMS
Sweep time:	auto
Trace mode	Max hold

(3) Allow the trace to stabilize, use the peak marker function to determine the maximum peak power level to establish the reference level.

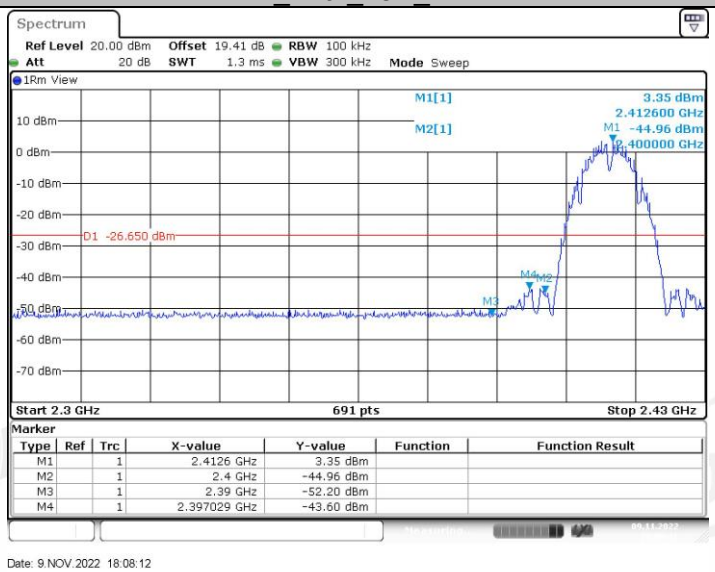
(4) Then mark the maximum amplitude of all unwanted emissions outside of the authorized frequency band.

7.4. Test result

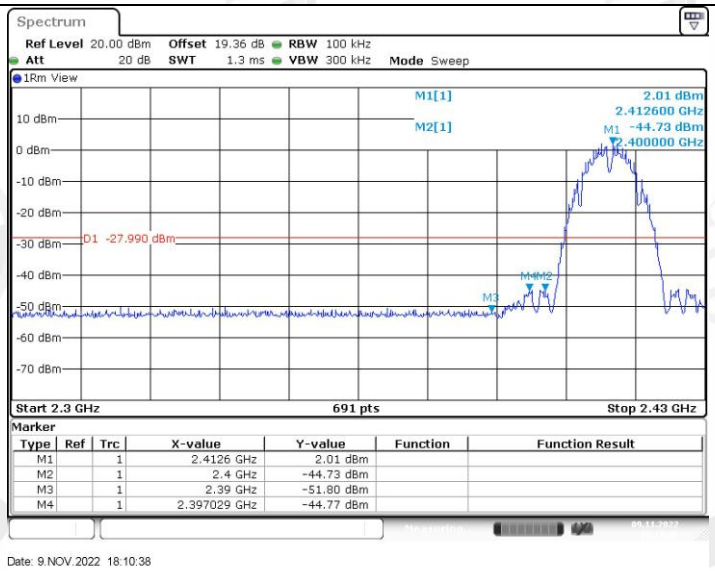
EUT Set Mode	CH or Frequency	Ant1 Result (dBm)	EUT Set Mode	CH or Frequency	Ant1 Result (dBm)
11b	CH1	Pass	11n HT 40	CH3	Pass
	CH6	Pass		CH6	Pass
	CH11	Pass		CH9	Pass
11g	CH1	Pass	11ax HT 20	CH1	Pass
	CH6	Pass		CH6	Pass
	CH11	Pass		CH11	Pass
11n HT 20	CH1	Pass	11ax HT 40	CH3	Pass
	CH6	Pass		CH6	Pass
	CH11	Pass		CH9	Pass

7.5. original test data

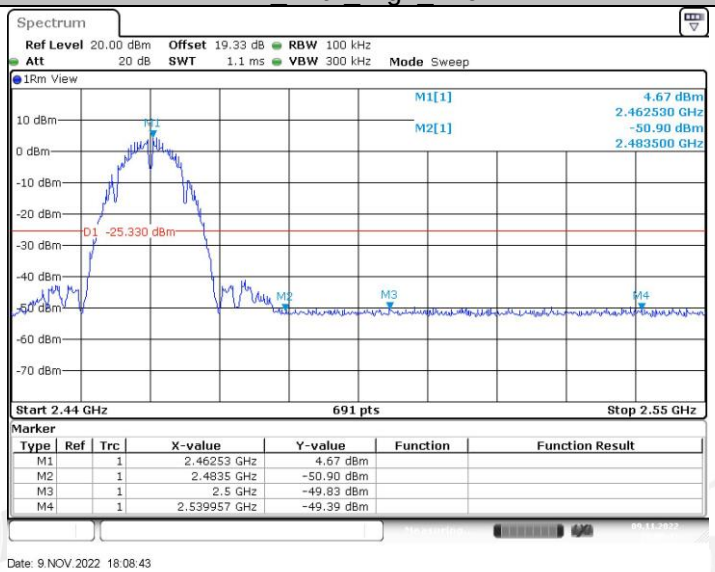
11B_Ant1_Low_2412



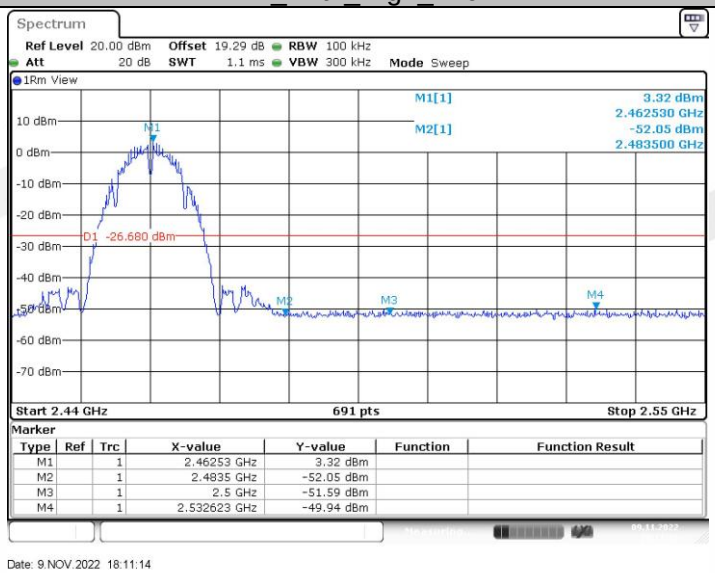
11B_Ant2_Low_2412



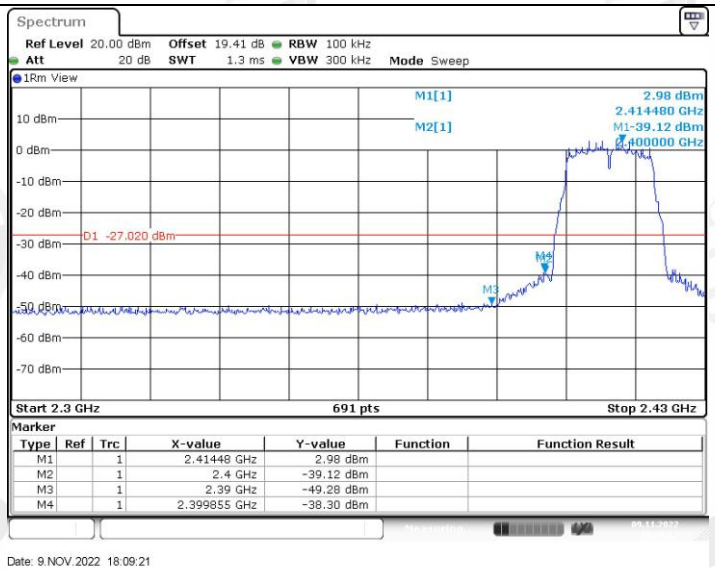
11B_Ant1_High_2462



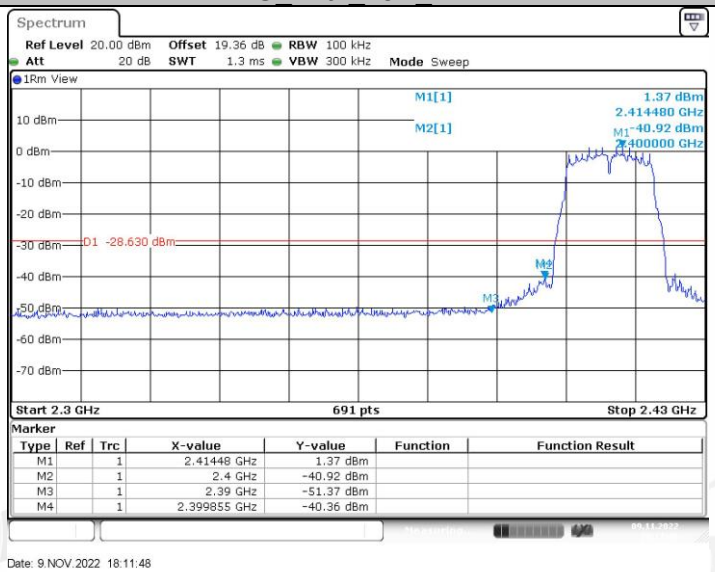
11B_Ant2_High_2462



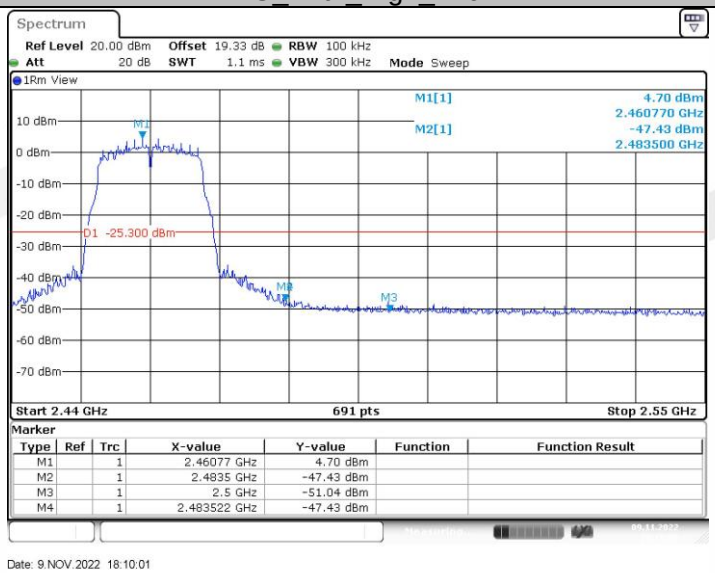
11G_Ant1_Low_2412



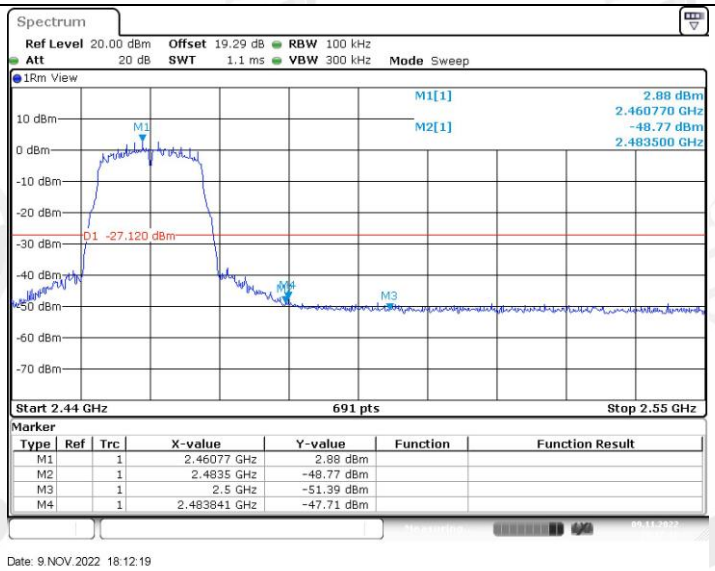
11G_Ant2_Low_2412



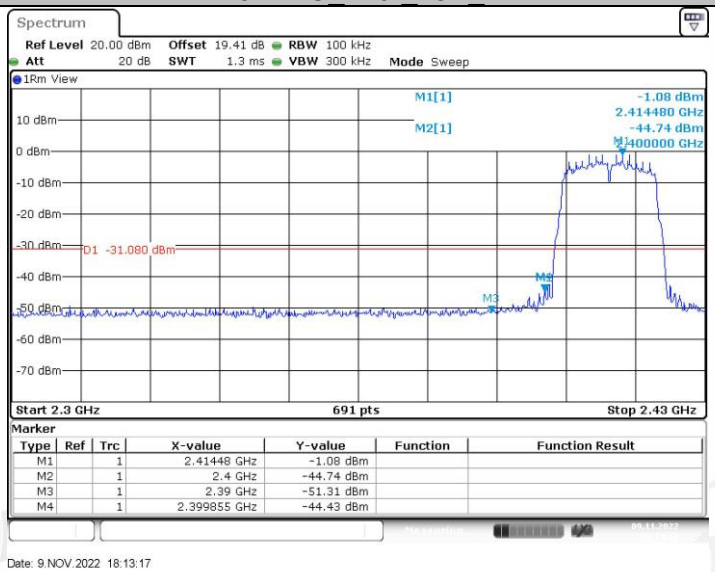
11G_Ant1_High_2462



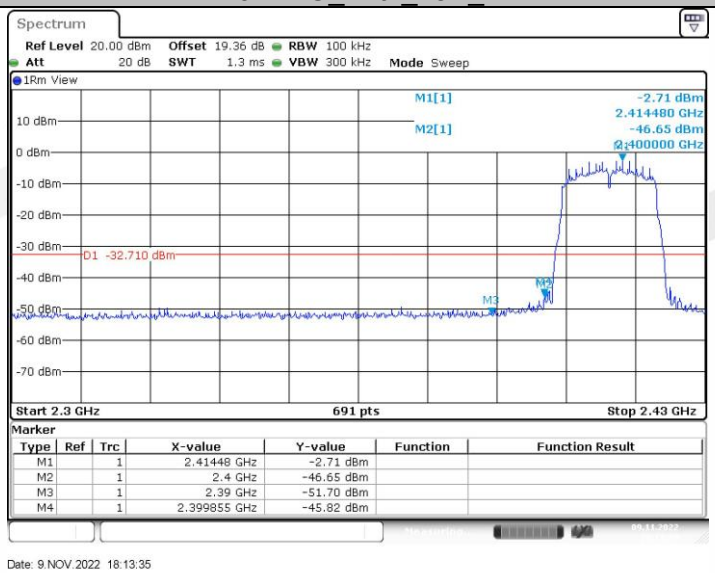
11G_Ant2_High_2462



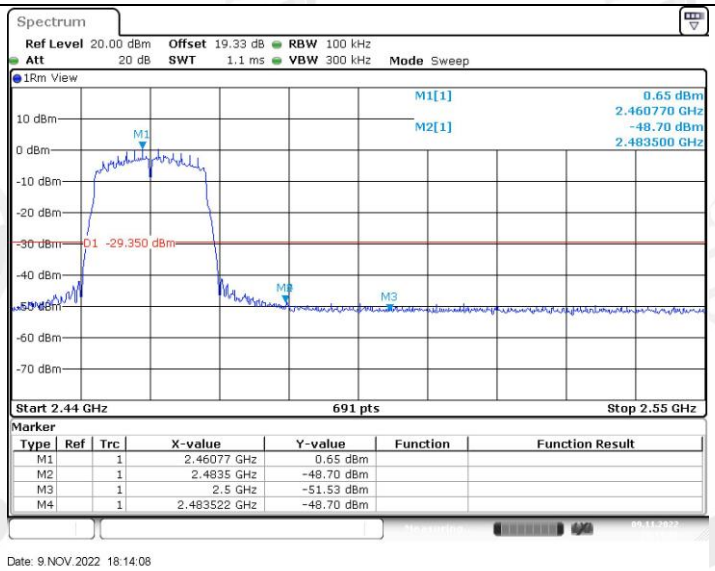
11N20MIMO_Ant1_Low_2412



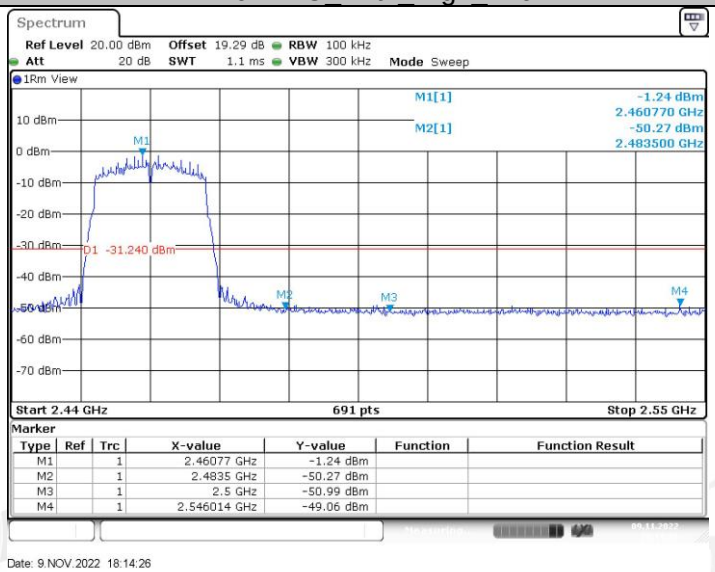
11N20MIMO_Ant2_Low_2412



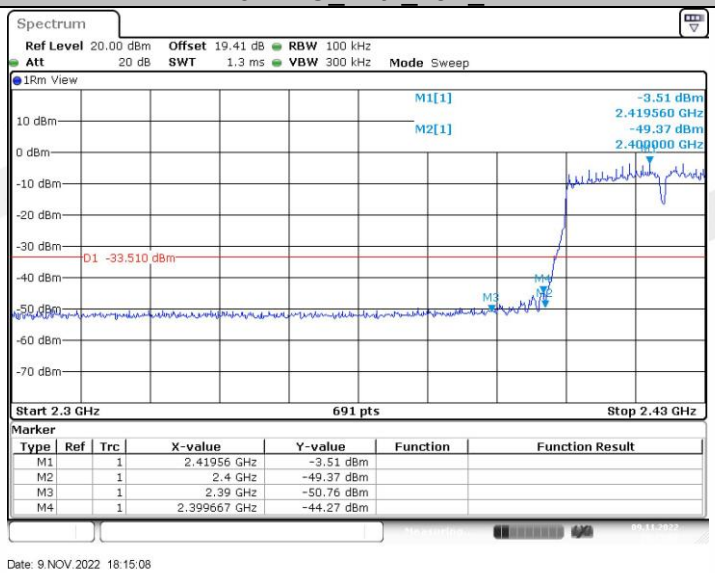
11N20MIMO_Ant1_High_2462



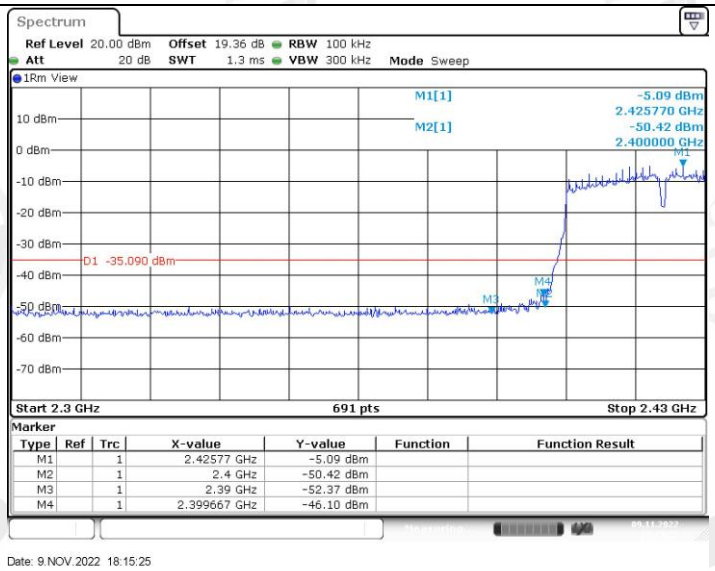
11N20MIMO_Ant2_High_2462



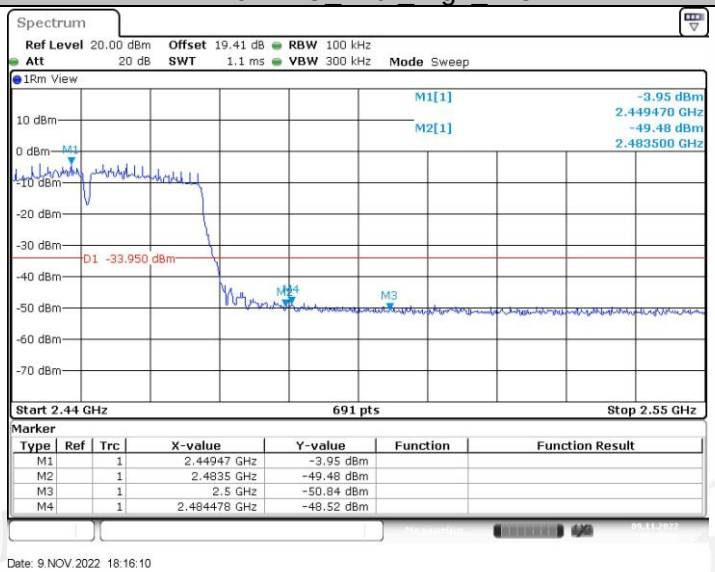
11N40MIMO_Ant1_Low_2422



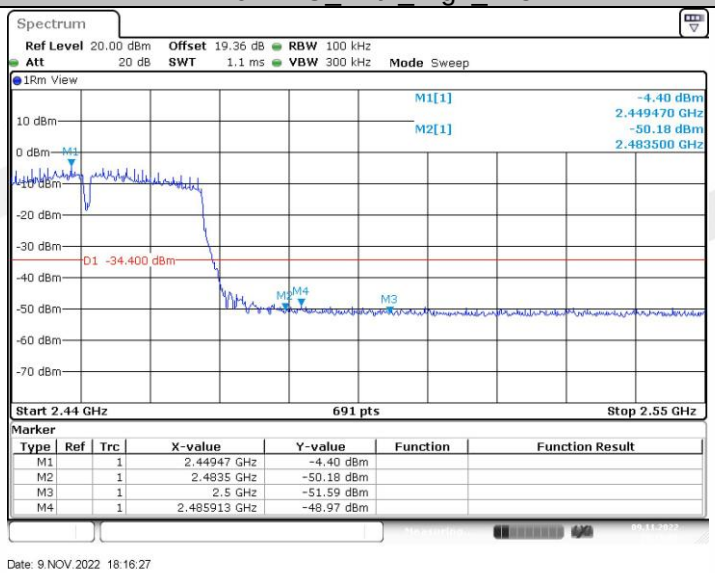
11N40MIMO_Ant2_Low_2422



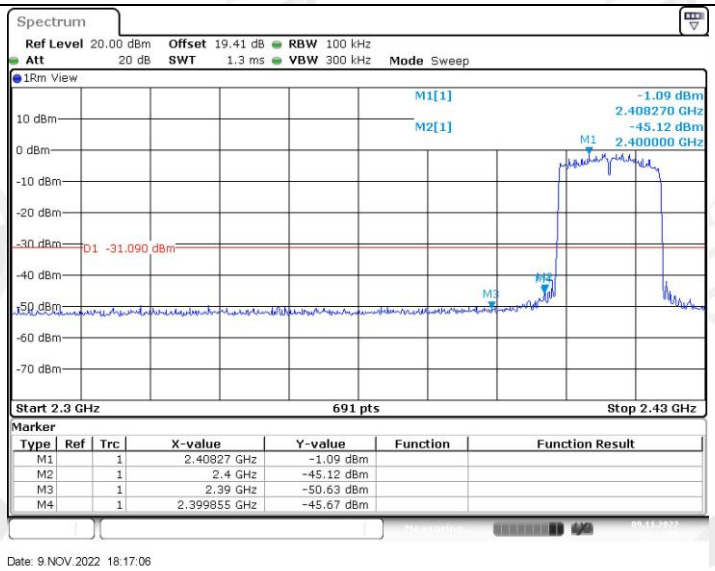
11N40MIMO_Ant1_High_2452



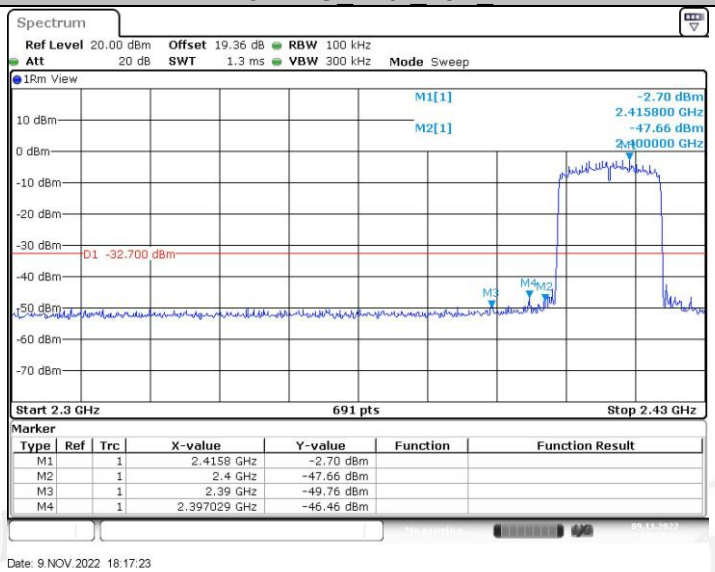
11N40MIMO_Ant2_High_2452



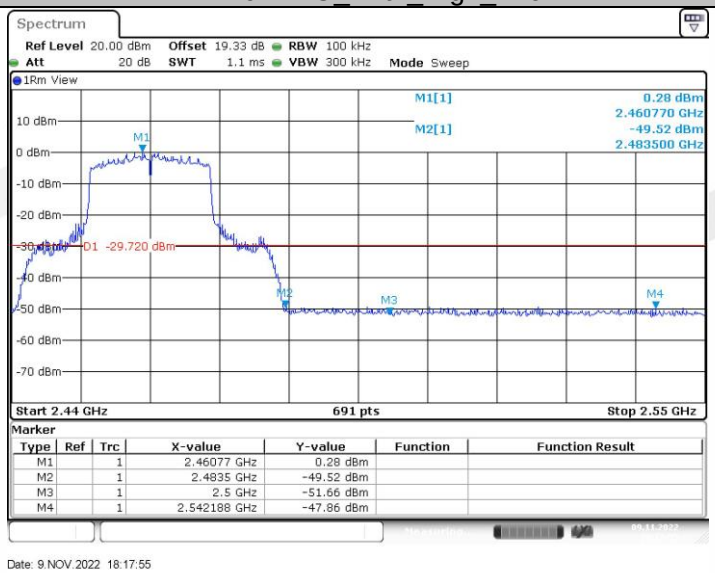
11AX20MIMO_Ant1_Low_2412



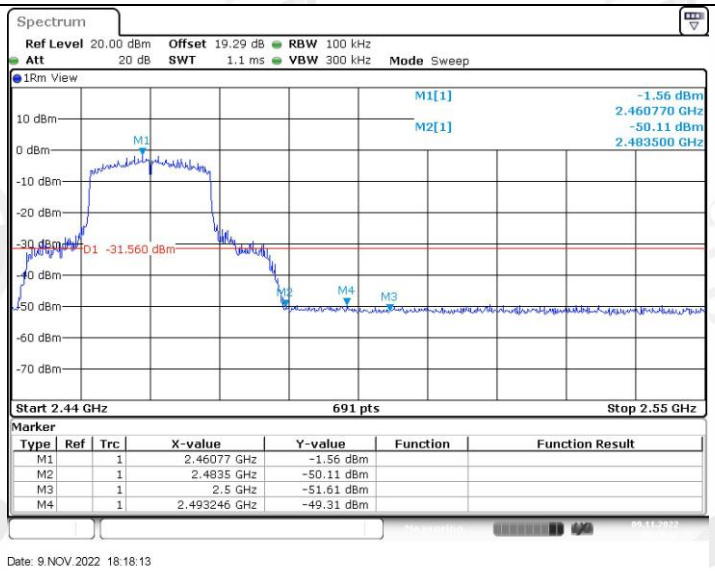
11AX20MIMO_Ant2_Low_2412



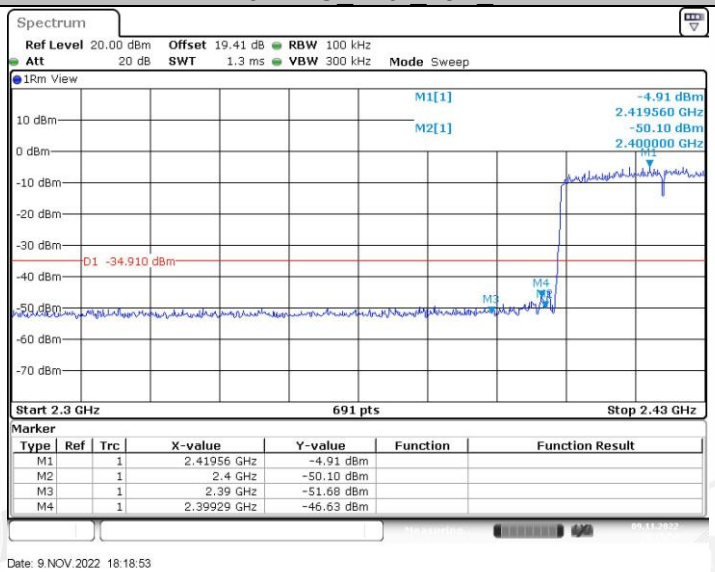
11AX20MIMO_Ant1_High_2462



11AX20MIMO_Ant2_High_2462



11AX40MIMO_Ant1_Low_2422



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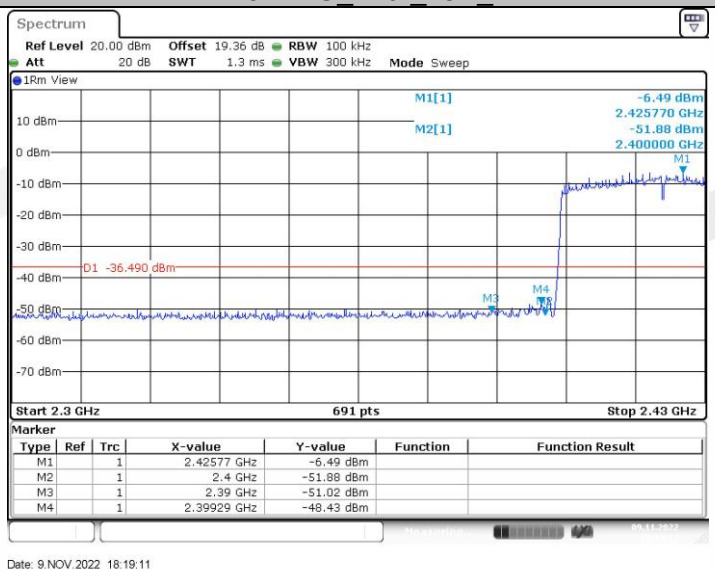
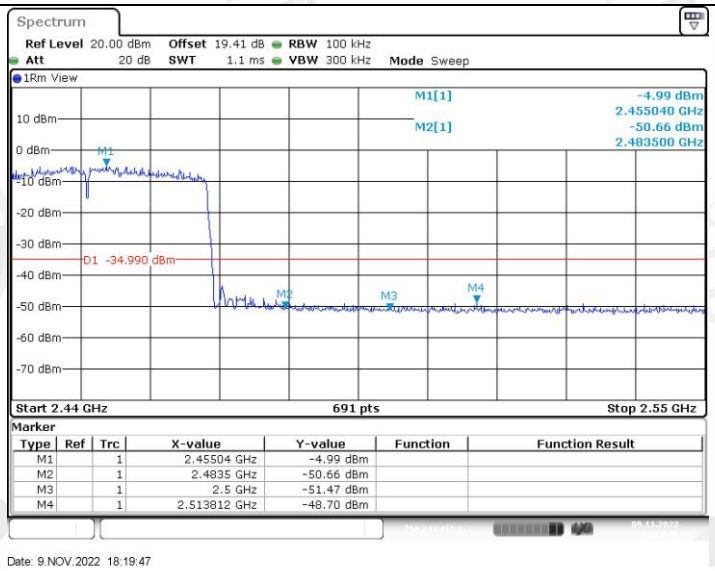


11AX40MIMO_Ant1_High_2452



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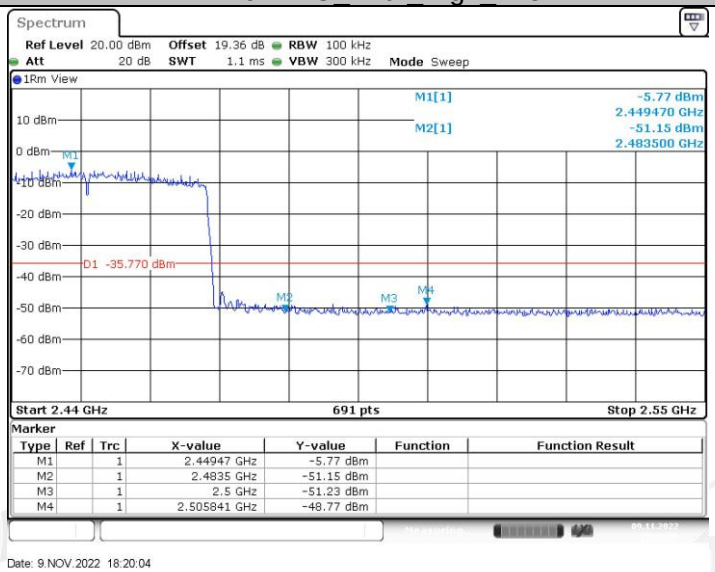
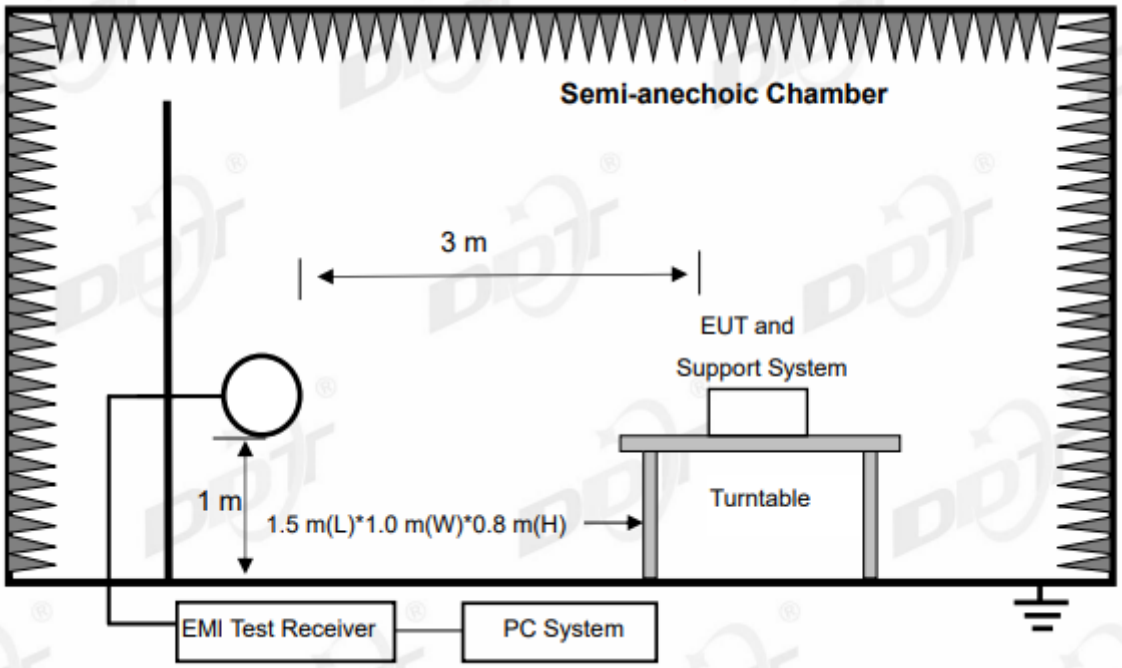


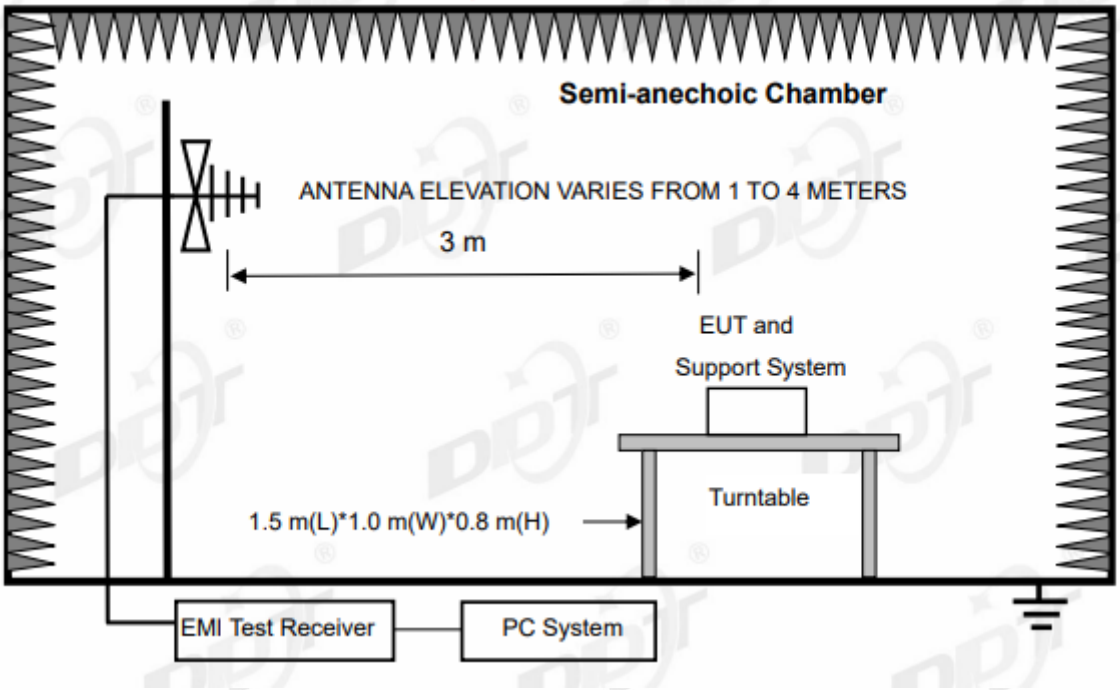
8. Radiated Spurious Emissions

8.1. Block diagram of test setup

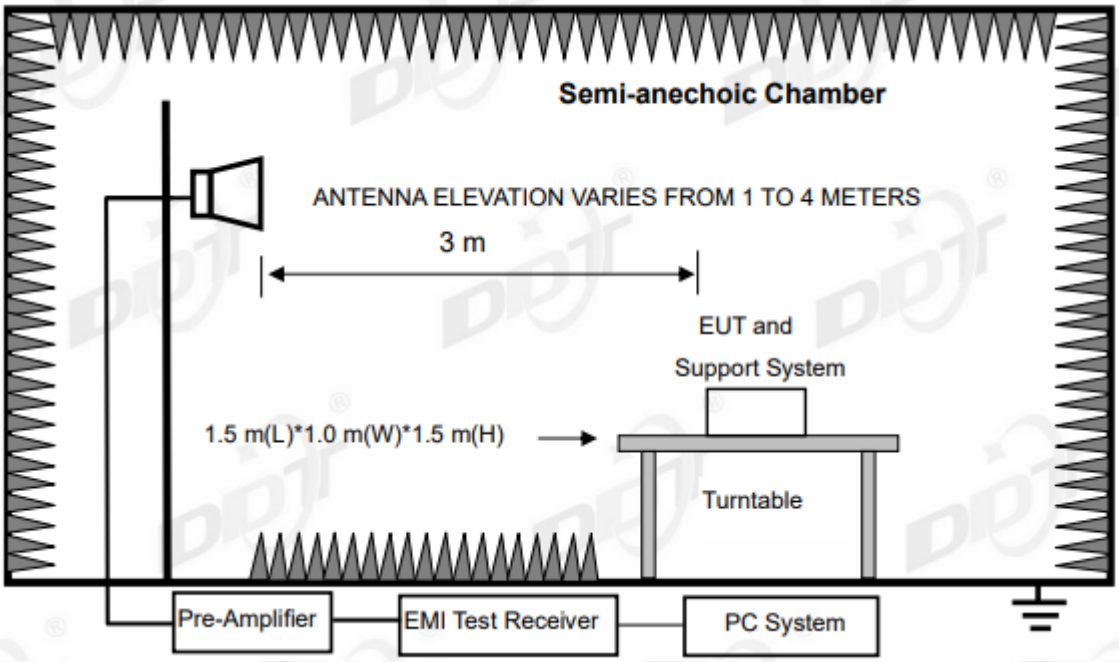
In 3 m Anechoic Chamber, test setup diagram for 9 kHz - 30 MHz:



In 3 m Anechoic Chamber, test setup diagram for 30 MHz - 1 GHz:



In 3 m Anechoic Chamber, test setup diagram for frequency above 1 GHz:



Note: For harmonic emissions test an appropriate high pass filter was inserted in the input port of AMP.

8.2. Limit

(1) FCC 15.205 Restricted frequency band

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
[1]0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.1772&4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.2072&4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	([2])
13.36-13.41			

[1]Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz

[2]Above 38.6

RSS-Gen section 8.10 Restricted frequency bands*

MHz	MHz	MHz	GHz
0.090-0.110	12.51975-12.52025	240-285	3.5-4.4
0.495-0.505	12.57675-12.57725	322-335.4	4.5-5.15
2.1735-2.1905	13.36-13.41	399.9-410	5.35-5.46
3.020-3.026	16.42-16.423	608-614	7.25-7.75
4.125-4.128	16.69475-16.69525	960-1427	8.025-8.5
4.1772&4.17775	16.80425-16.80475	1435-1626.5	9.0-9.2
4.2072&4.20775	25.5-25.67	1645.5-1646.5	9.3-9.5
5.677-5.683	37.5-38.25	1660-1710	10.6-12.7
6.215-6.218	73-74.6	1718.8-1722.2	13.25-13.4
6.26775-6.26825	74.8-75.2	2200-2300	14.47-14.5
6.31175-6.31225	108-138	2310-2390	15.35-16.2
8.291-8.294	149.9-150.05	2483.5-2500	17.7-21.4
8.362-8.366	156.52475-156.52525	2655-2900	22.01-23.12
8.37625-8.38675	156.7-156.9	3260-3267	23.6-24.0
8.41425-8.41475	162.0125-167.17	3332-3339	31.2-31.8
12.29-12.293	167.72-173.2	3345.8-3358	36.43-36.5
			Above 38.6

* Certain frequency bands listed in table and in bands above 38.6 GHz are designated for licence-exempt applications. These frequency bands and the requirements that apply to related devices are set out in the 200 and 300 series of RSSs.

(2) FCC 15.209 Limit & RSS-Gen section 8.9 Limit

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		μV/m	dB(μV)/m
0.009 ~ 0.490	300	2400/F(kHz)	67.6-20log(F)
0.490 ~ 1.705	30	24000/F(kHz)	87.6-20log(F)
1.705 ~ 30.0	30	30	29.54
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	3	500	54.0
Above 1000	3	74.0 dB(μV)/m (Peak) 54.0 dB(μV)/m (Average)	

Note: (1) The emission limits shown in the above table are based on measurements employing a CISPR QP detector except for the frequency bands 9 - 90 kHz, 110 - 490 kHz and above 1000 MHz, radiated emissions limits in these three bands are based on measurements employing an average detector.

(2) At frequencies below 30 MHz, measurement may be performed at a distance closer than that specified, and the limit at closer measurement distance can be extrapolated by below formula:

$$Limit_{3m}(dBuV/m) = Limit_{30m}(dBuV/m) + 40Log(30m/3m)$$

(3) Limit for this EUT

The emissions appearing within 15.205 restricted frequency bands shall not exceed the limits shown in 15.209, and the emissions appearing within RSS-Gen section 8.10 Restricted frequency bands shall not exceed the limits shown in RSS-Gen section 8.9, all the other emissions shall be at least 20 dB below the fundamental emissions or comply with 15.209 limits and RSS-Gen section 8.9 limits.

8.3. Test procedure

(1) EUT was placed on a non-metallic table, 80 cm above the ground plane inside a semi-anechoic chamber for below 1G and 150 cm above the ground plane inside a fully-anechoic chamber for above 1G.

(2) Test antenna was located 3 m from the EUT on an adjustable mast, and the antenna used as below table.

Test frequency range	Test antenna used	Test antenna distance
9 kHz - 30 MHz	Active Loop antenna	3 m
30 MHz - 1 GHz	Trilog Broadband Antenna	3 m
1 GHz - 18 GHz	Double Ridged Horn Antenna (1 GHz - 18 GHz)	3 m
18 GHz - 40 GHz	Horn Antenna (18 GHz - 40 GHz)	1 m

According ANSI C63.10:2013 clause 6.4.6 and 6.5.3, for measurements below 30 MHz, Antenna was located 3 m from EUT, the loop antenna was positioned in three antenna orientations (parallel, perpendicular, and round-parallel), for each measurement antenna alignment, the EUT shall be rotated through 0° to 360° on a turntable, and the lowest height of the magnetic antenna shall be 1 m above the ground. For measurement above 30MHz, the trilog Broadband Antenna or Horn Antenna was located 3m from EUT, Measurements were made with the antenna positioned in both the horizontal and vertical planes of Polarization, and the measurement antenna was varied from 1 m to 4 m. in height above the reference ground plane to obtain the maximum signal strength.

(3) Below pre-scan procedure was first performed in order to find prominent frequency spectrum radiated emissions from 9 kHz to 25 GHz:

(a) Scanning the peak frequency spectrum with the antenna specified in step (3), and the EUT was rotated 360 degree, the antenna height was varied from 1 m to 4 m (Except loop antenna, it's fixed 1 m above ground.)

(b) Change work frequency or channel of device if practicable.

(c) Change modulation type of device if practicable.

(d) Change power supply range from 85% to 115% of the rated supply voltage

(e) Rotated EUT though three orthogonal axes to determine the attitude of EUT arrangement produces highest emissions.

Spectrum frequency from 9 kHz to 25 GHz (tenth harmonic of fundamental frequency) was

investigated, and no any obvious emission were detected from 18 GHz to 25 GHz, so below final test was performed with frequency range from 9 kHz to 18 GHz.

(4) For final emissions measurements at each frequency of interest, the EUT was rotated and the antenna height was varied between 1 m and 4 m in order to maximize the emission. Measurements in both horizontal and vertical polarities were made and the data was recorded. In order to find the maximum emission, the relative positions of equipment and all of the interface cables were changed according to ANSI C63.10:2013 on Radiated Emission test.

(5) The emissions from 9 kHz to 1 GHz were measured based on CISPR QP detector except for the frequency bands 9 - 90 kHz, 110 - 490 kHz, for emissions from 9 kHz - 90 kHz,110 kHz - 490 kHz and above 1 GHz were measured based on average detector, for emissions above 1 GHz, peak emissions also be measured and need comply with Peak limit.

(6) The emissions from 9 kHz to 1 GHz, QP or average values were measured with EMI receiver with below RBW.

Frequency band	RBW
9 kHz - 150 kHz	200 Hz
150 kHz - 30 MHz	9 kHz
30 MHz - 1 GHz	120 kHz

(7) For emissions above 1GHz, both Peak and Average level were measured with Spectrum Analyzer, and the RBW is set at 1 MHz, VBW is set at 3 MHz for Peak measure; According ANSI C63.10:2013 clause 4.1.4.2.2 procedure for average measure.

(8) For portable device, X axis, Y axis, Z axis are tested, and worse setup is reported.

8.4. Test result

Pass. (See below detailed test result)

All the emissions except fundamental emission from 9 kHz to 25 GHz were comply with 15.209 & RSS-GEN limit.

Note1: According exploratory test, the emission levels are 20 dB below the limit detected from 9 kHz to 30 MHz and 18 GHz to 25 GHz, so the final test was performed with frequency range from 30 MHz to 18 GHz and recorded in below.

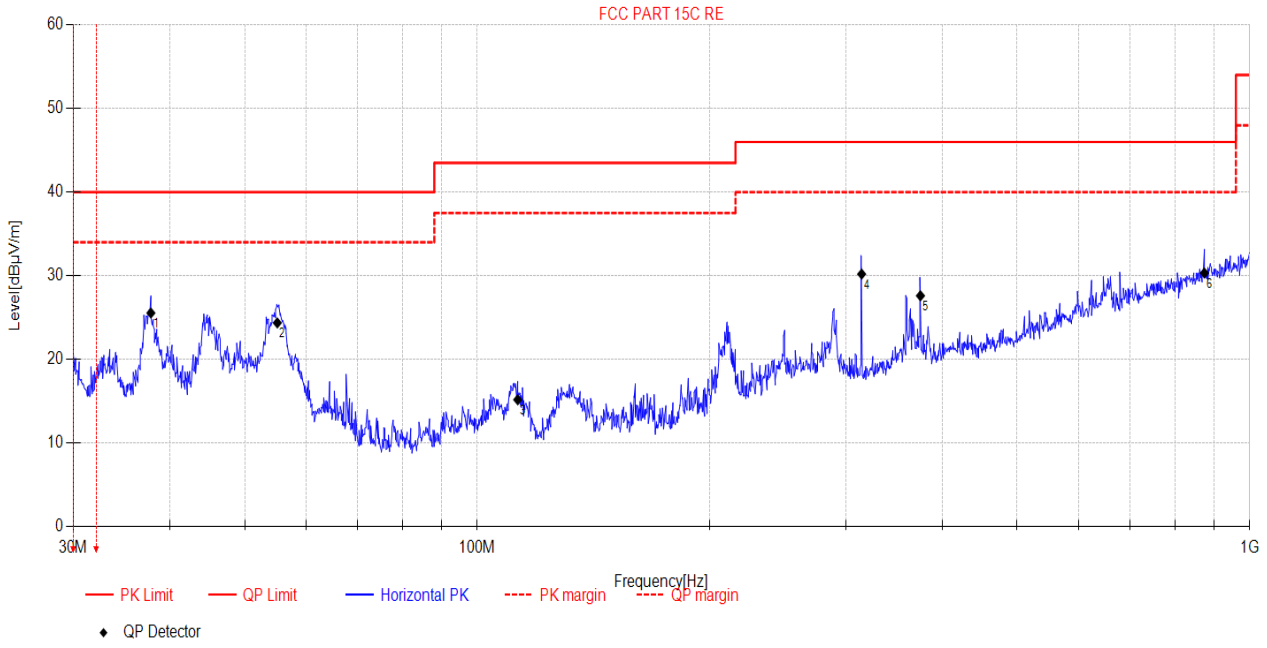
Note2: For emissions below 1 GHz, according exploratory explorer test, when change Tx mode and channel, have no distinct influence on emissions level, so for emissions below 1 GHz, the final test was only performed with EUT working in 11g, Tx CH11 ANT1 mode.

Note3: For emissions above 1 GHz. Scan with 11b mode, 11g mode, 11n HT20, 11n HT40 mode, 11ax HT20 and 11ax HT40 mode, ANT 1 and ANT 2, the worst case is 11g ANT 1 mode. If peak results comply with AV limit, AV Result is deemed to comply with AV limit. Other emission levels are attenuated 20 dB below the limit, so it does not record in the report.

Radiated Emission test (below 1 GHz)

TR-4-E-009 Radiated Emission Test Result

Test Date:	2022-10-25	**Tested By**:	Bairong
EUT:	M6a Plus Mesh Wi-Fi Router	**Model Number**:	M6a Plus
Test Mode:	Tx Mode	**Power Supply**:	AC 120V/60Hz
Condition:	Temp:23.4°C;Humi:61.4%;Press:100.3kPa	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2022 report data\Q22100908-2E M6a Plus\FCC BELOW 1G\20221025-084842_H		
Memo:	2.4GWIFI		



Final Data List								
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Result [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	37.81	34.56	-9.02	25.54	40.00	14.46	QP	Horizontal
2	55.11	33.14	-8.78	24.36	40.00	15.64	QP	Horizontal
3	112.84	28.64	-13.48	15.16	43.50	28.34	QP	Horizontal
4	314.56	37.65	-7.45	30.20	46.00	15.80	QP	Horizontal
5	374.81	33.2	-5.60	27.60	46.00	18.40	QP	Horizontal
6	873.77	26.68	3.64	30.32	46.00	15.68	QP	Horizontal

Note: 1. Result Level = Read Level + Factor
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.