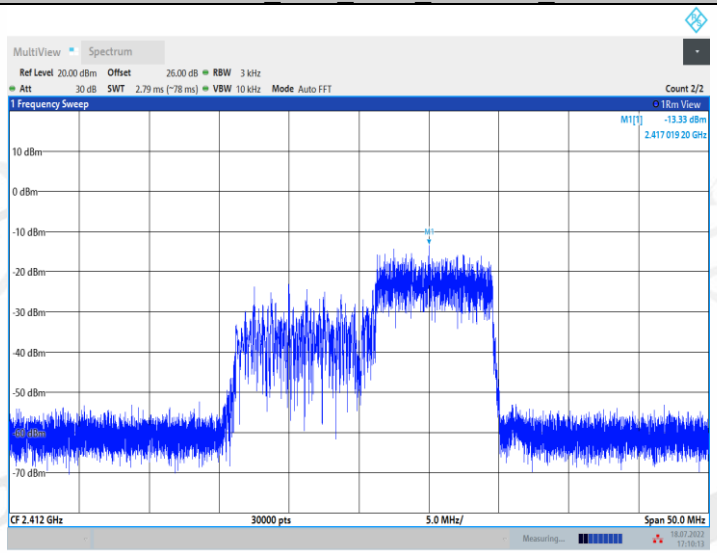
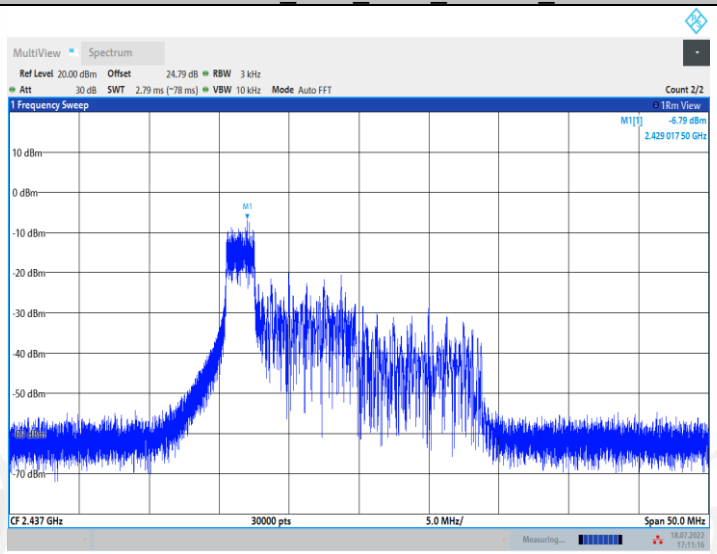
11AX20MIMO_Ant2_2412_106Tone_RU54



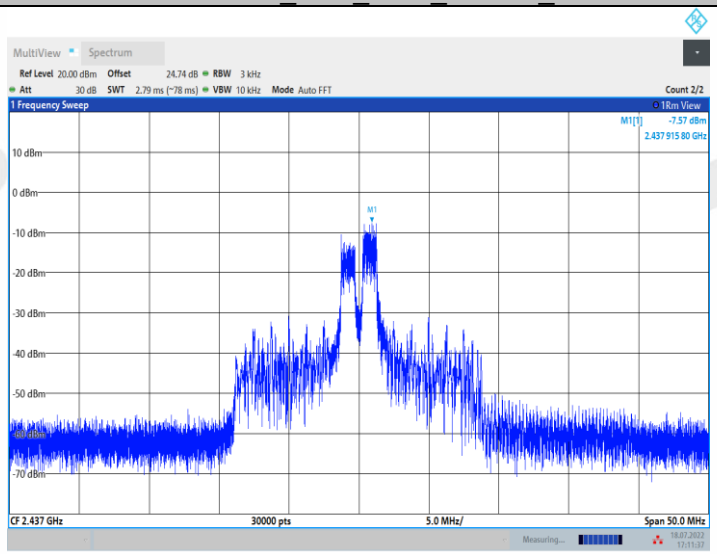
17:10:14 18.07.2022

11AX20MIMO_Ant1_2437_26Tone_RU0



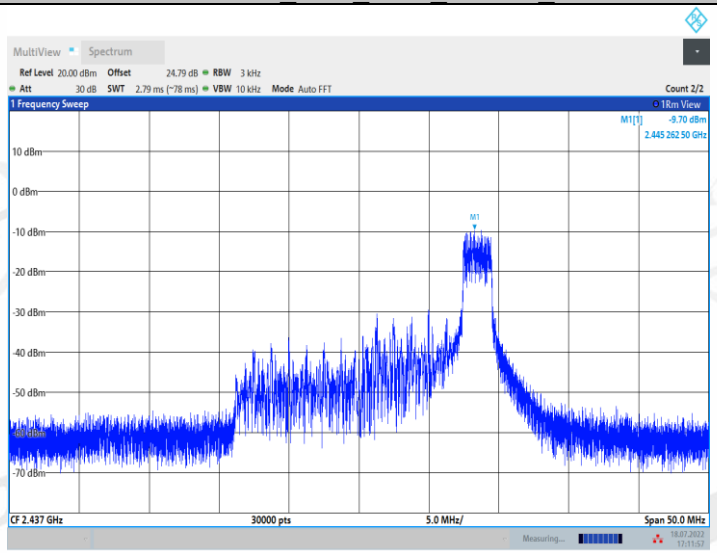
17:11:16 18.07.2022

11AX20MIMO_Ant1_2437_26Tone_RU4



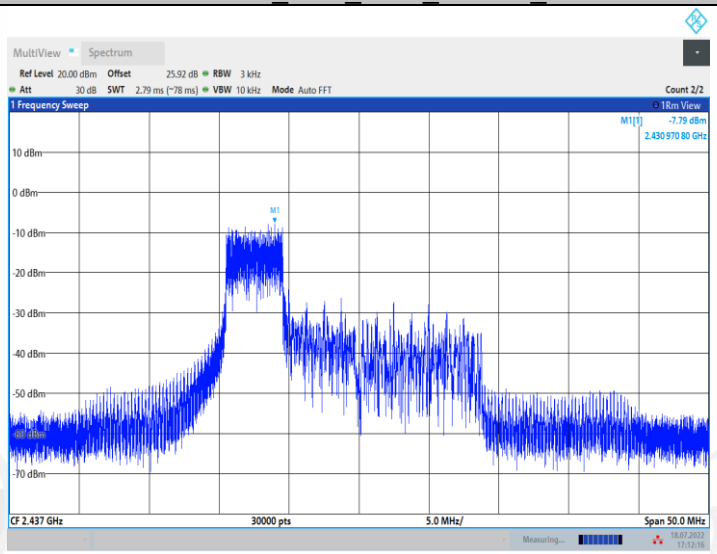
17:11:37 18.07.2022

11AX20MIMO_Ant1_2437_26Tone_RU8



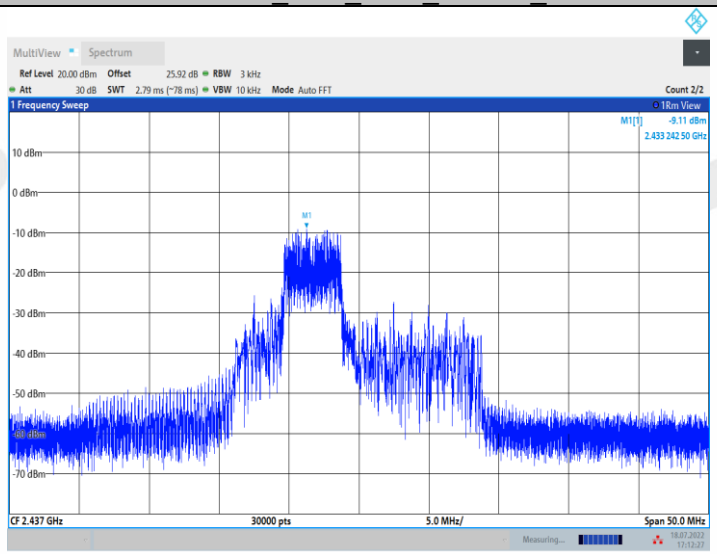
17:11:58 18.07.2022

11AX20MIMO_Ant1_2437_52Tone_RU37



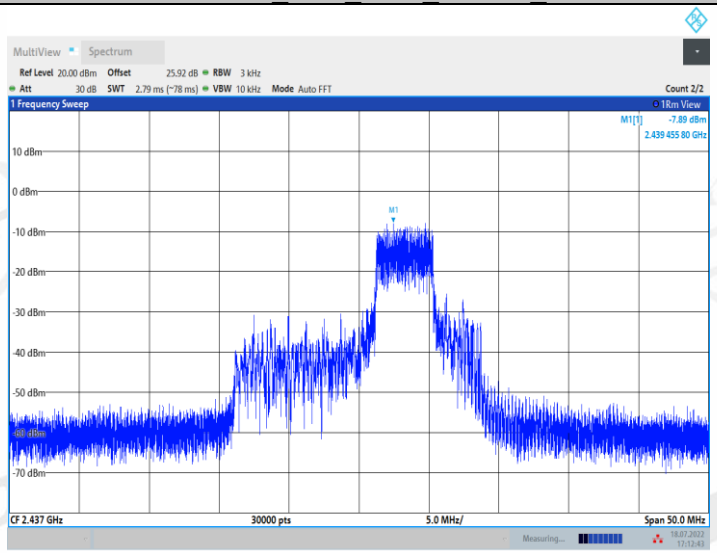
17:12:17 18.07.2022

11AX20MIMO_Ant1_2437_52Tone_RU38



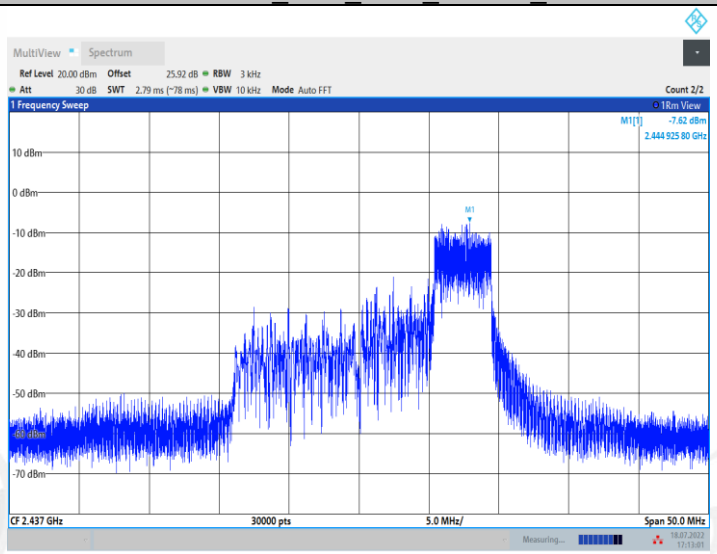
17:12:28 18.07.2022

11AX20MIMO_Ant1_2437_52Tone_RU39



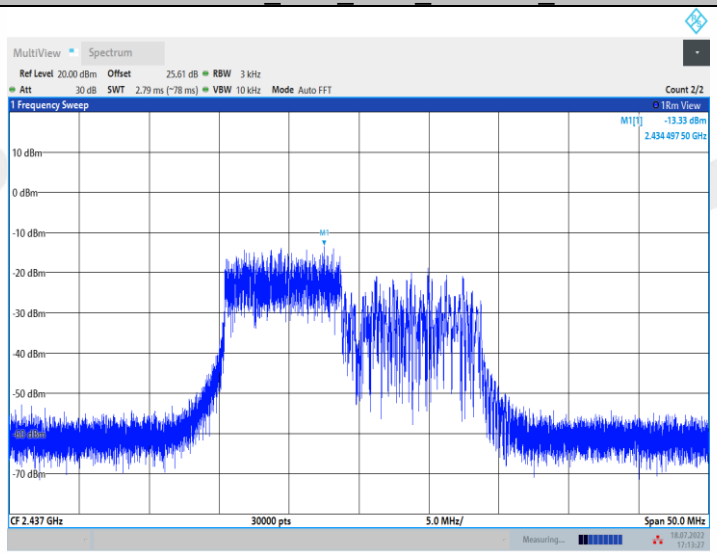
17:12:44 18.07.2022

11AX20MIMO_Ant1_2437_52Tone_RU40



17:13:02 18.07.2022

11AX20MIMO_Ant1_2437_106Tone_RU53



17:13:28 18.07.2022

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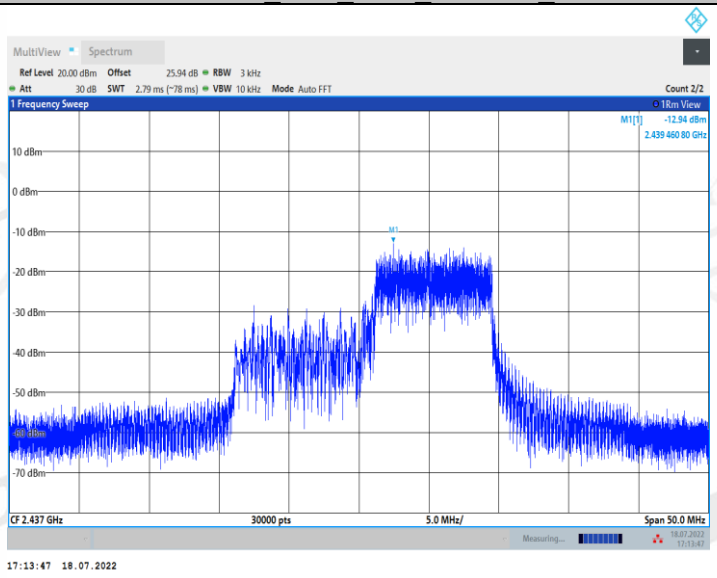
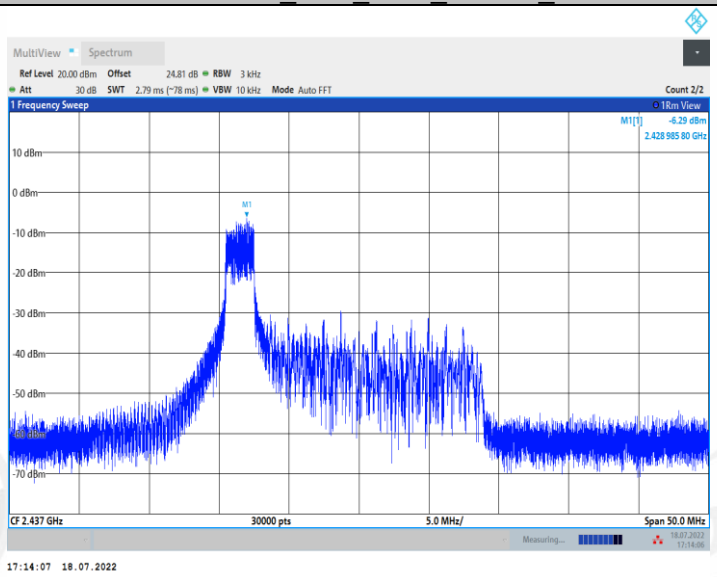
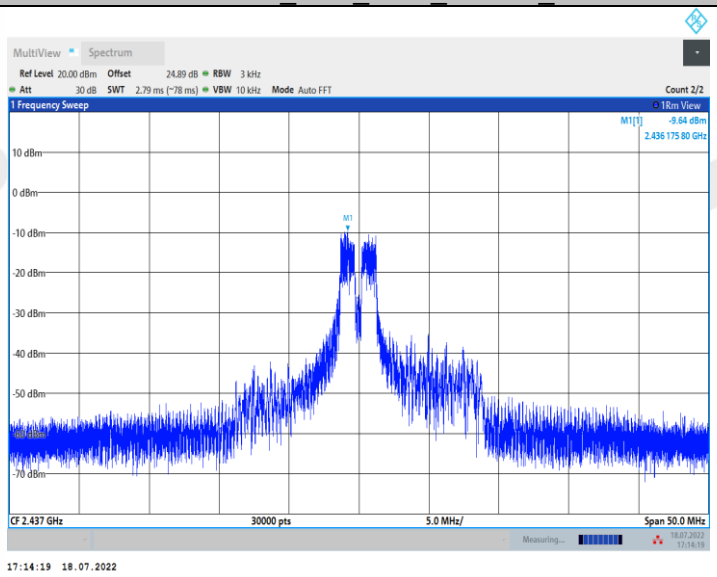
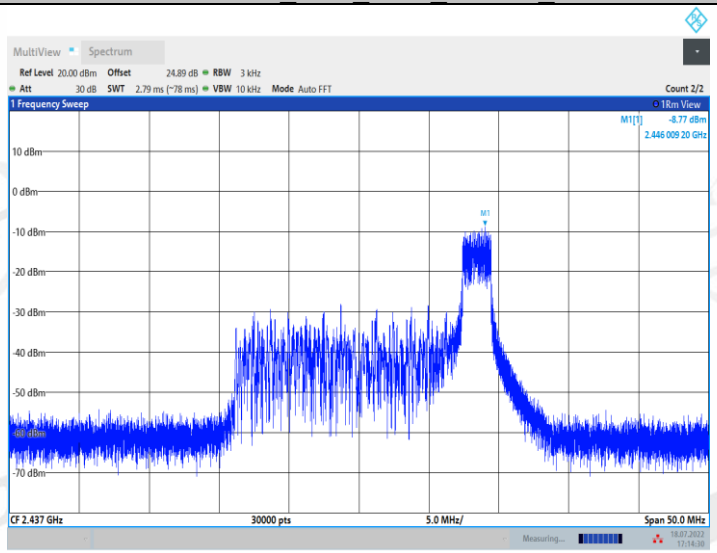
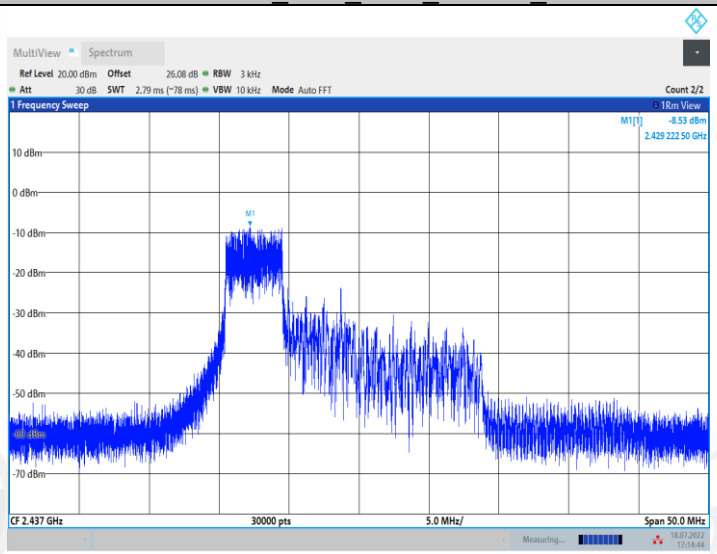

11AX20MIMO_Ant2_2437_26Tone_RU0

11AX20MIMO_Ant2_2437_26Tone_RU4


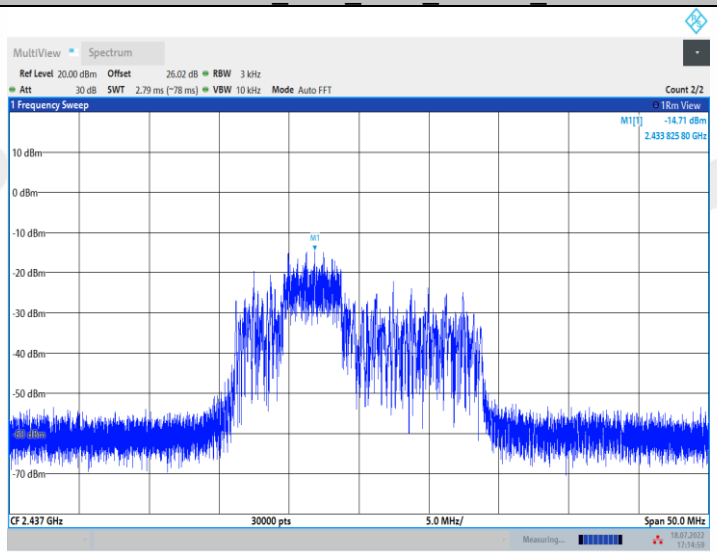
11AX20MIMO_Ant2_2437_26Tone_RU8



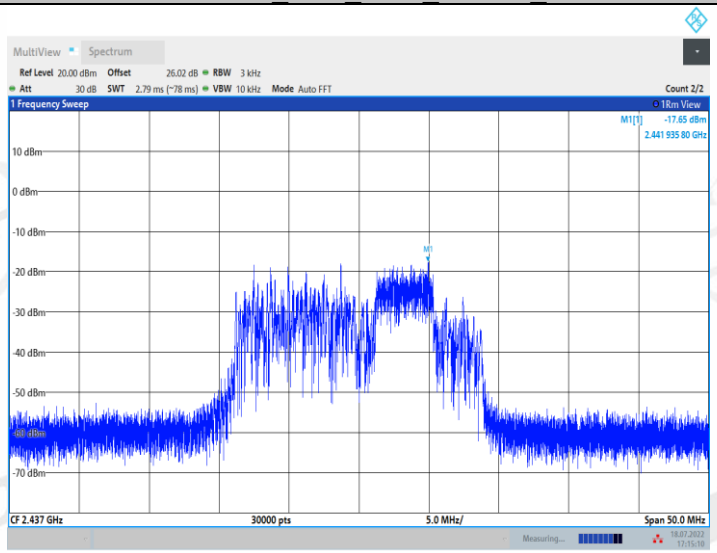
11AX20MIMO_Ant2_2437_52Tone_RU37



11AX20MIMO_Ant2_2437_52Tone_RU38

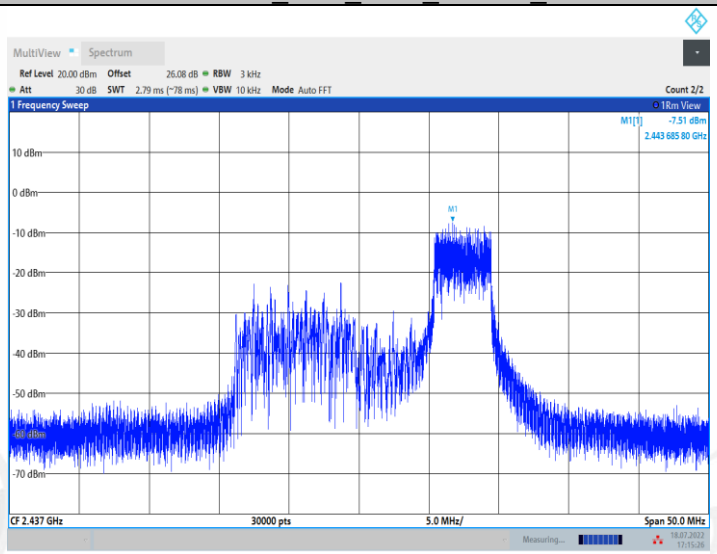


11AX20MIMO_Ant2_2437_52Tone_RU39



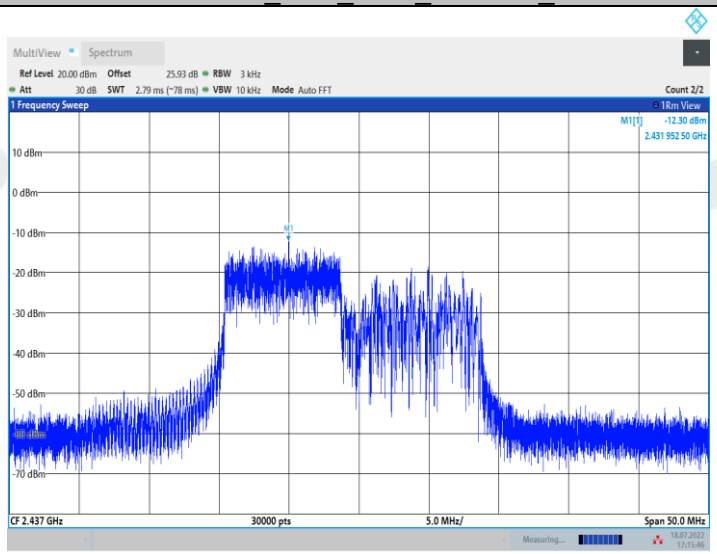
17:15:10 18.07.2022

11AX20MIMO_Ant2_2437_52Tone_RU40

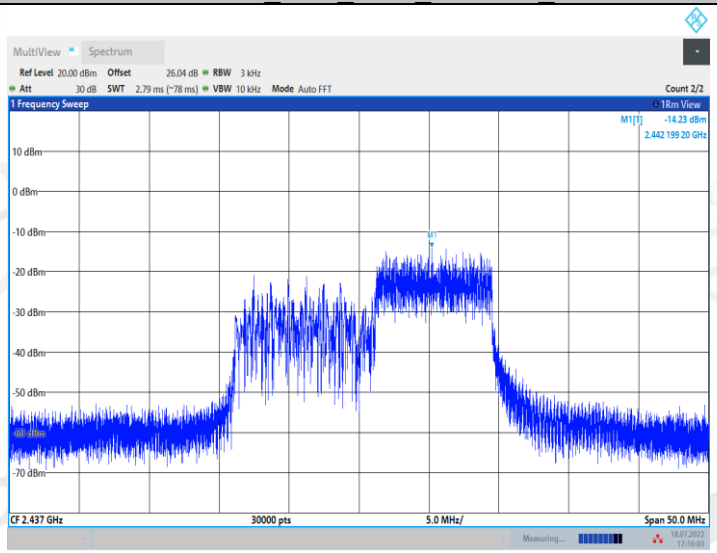
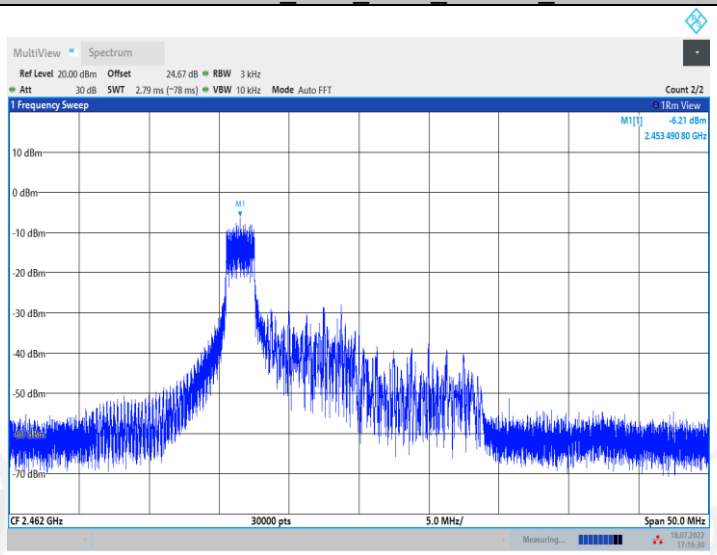
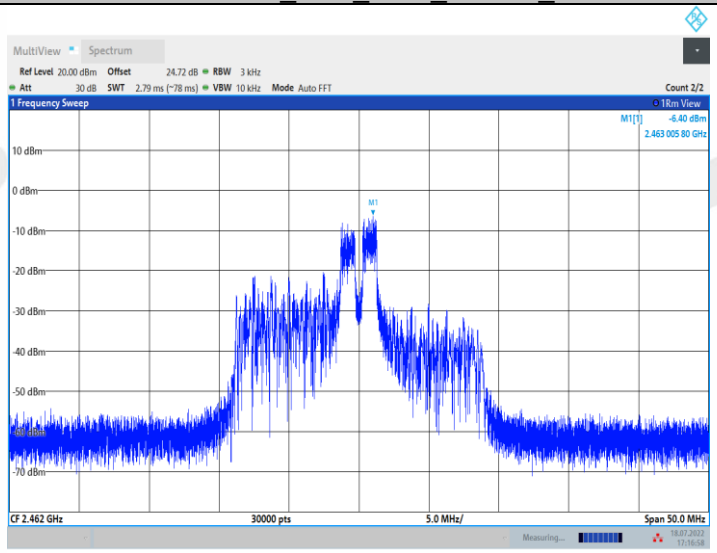


17:15:27 18.07.2022

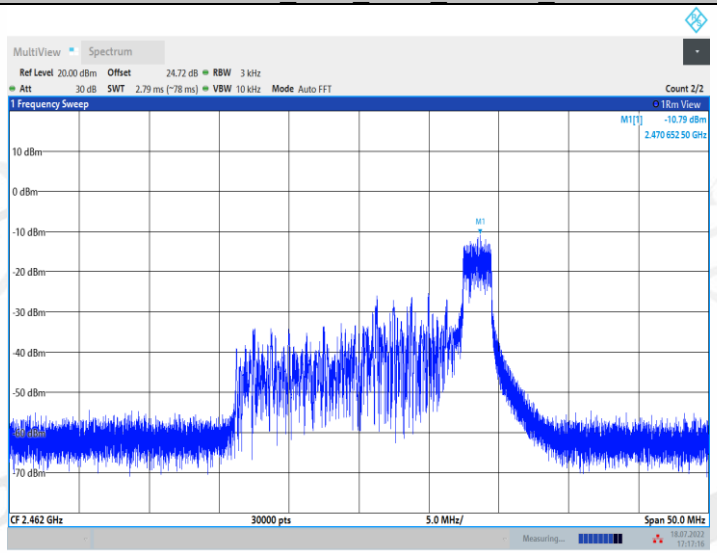
11AX20MIMO_Ant2_2437_106Tone_RU53



17:15:46 18.07.2022

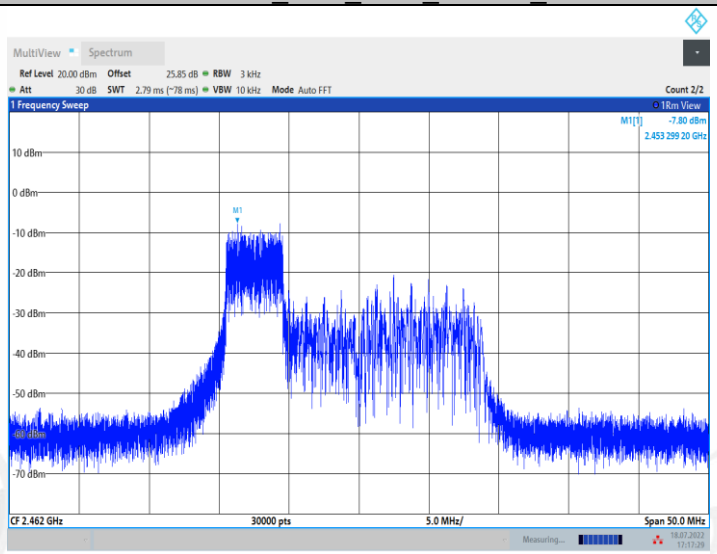
11AX20MIMO_Ant2_2437_106Tone_RU54

11AX20MIMO_Ant1_2462_26Tone_RU0

11AX20MIMO_Ant1_2462_26Tone_RU4


11AX20MIMO_Ant1_2462_26Tone_RU8



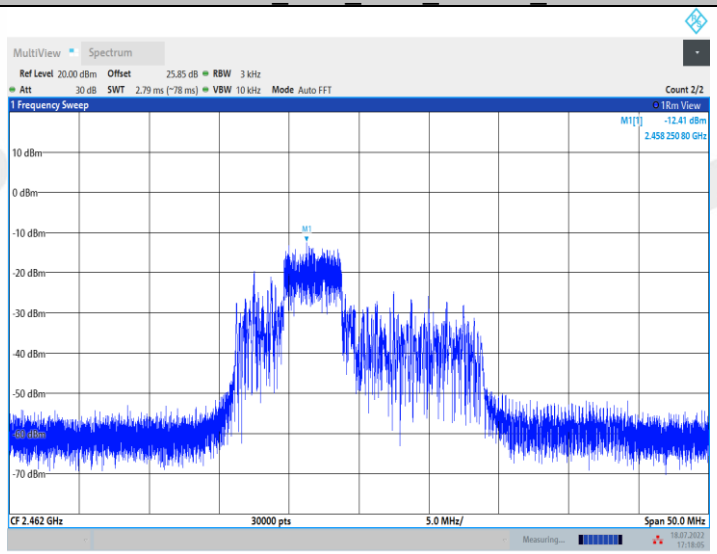
17:17:17 18.07.2022

11AX20MIMO_Ant1_2462_52Tone_RU37



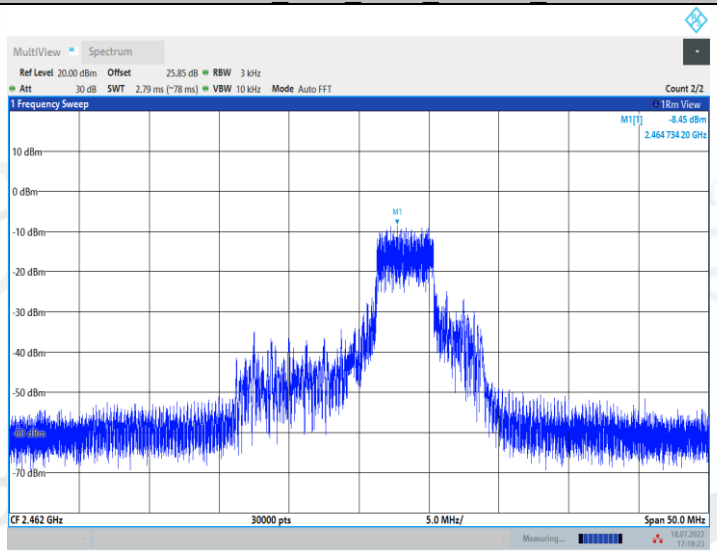
17:17:30 18.07.2022

11AX20MIMO_Ant1_2462_52Tone_RU38



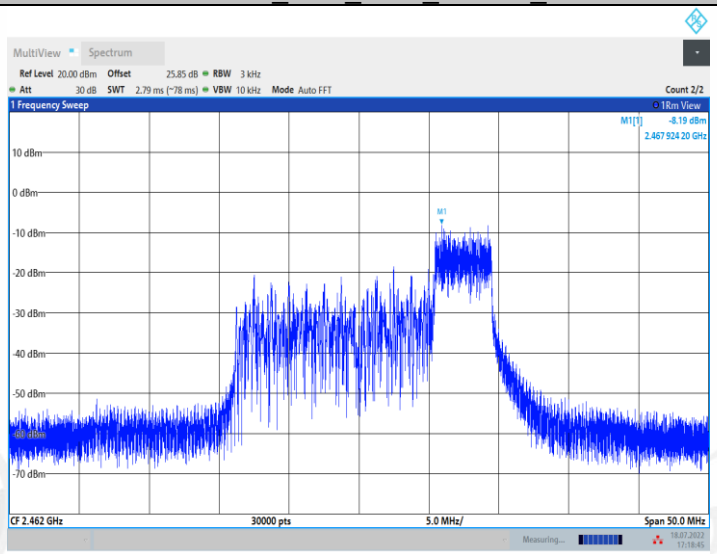
17:18:05 18.07.2022

11AX20MIMO_Ant1_2462_52Tone_RU39



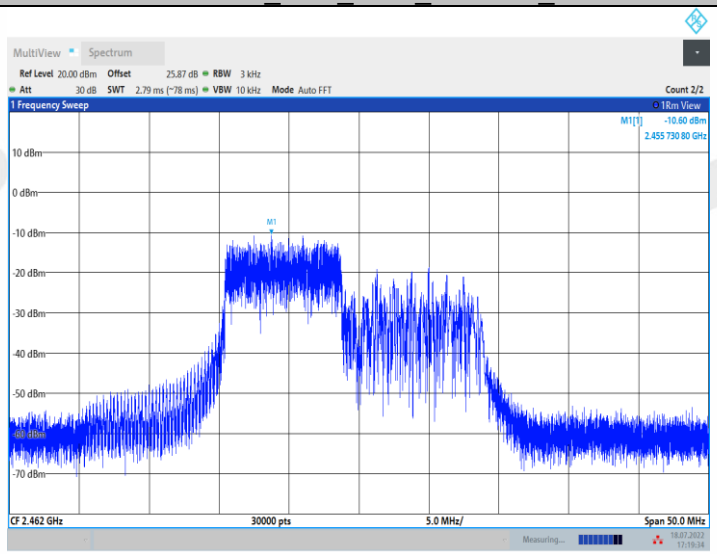
17:18:23 18.07.2022

11AX20MIMO_Ant1_2462_52Tone_RU40



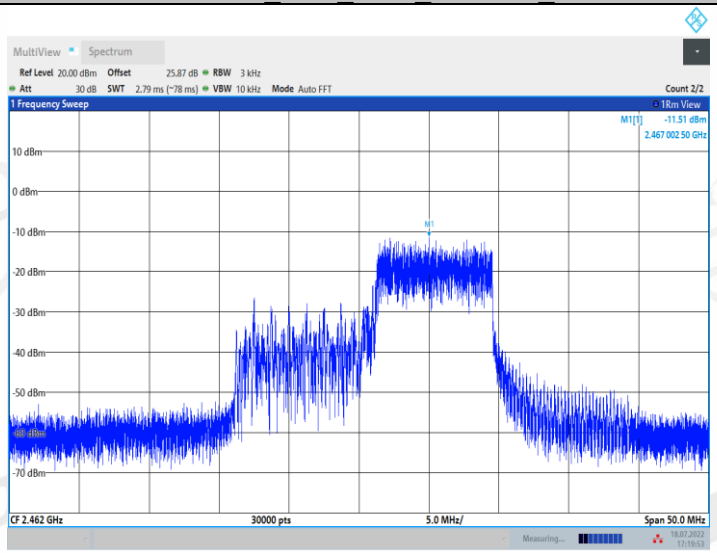
17:18:46 18.07.2022

11AX20MIMO_Ant1_2462_106Tone_RU53

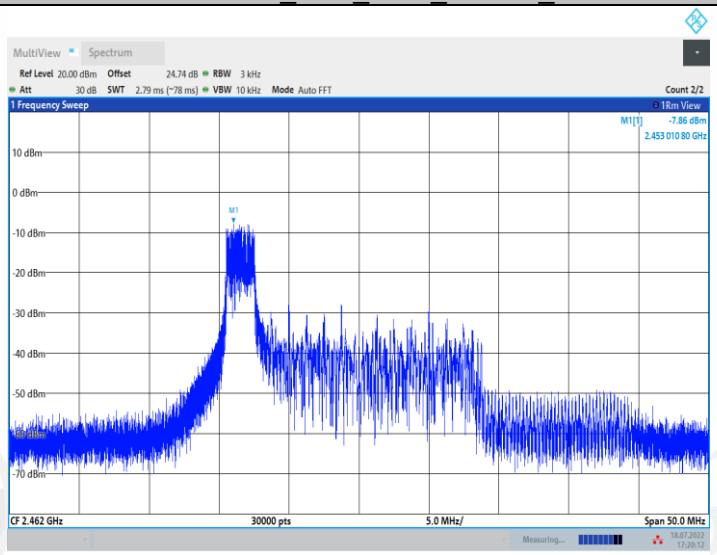


17:19:35 18.07.2022

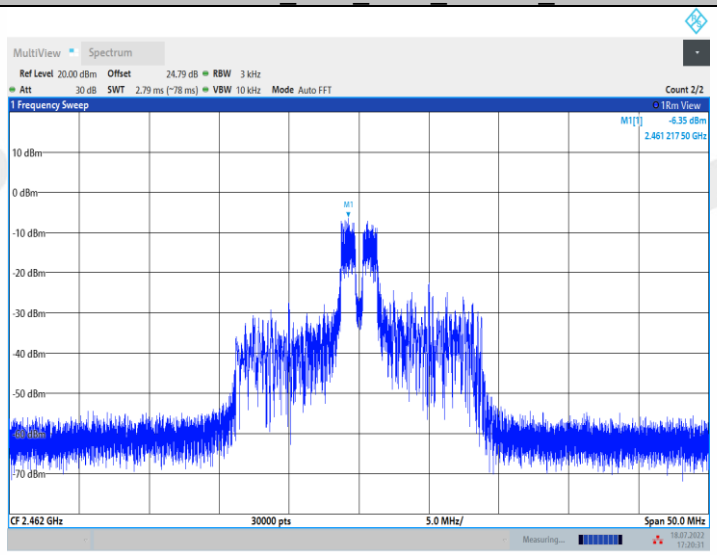
11AX20MIMO_Ant1_2462_106Tone_RU54



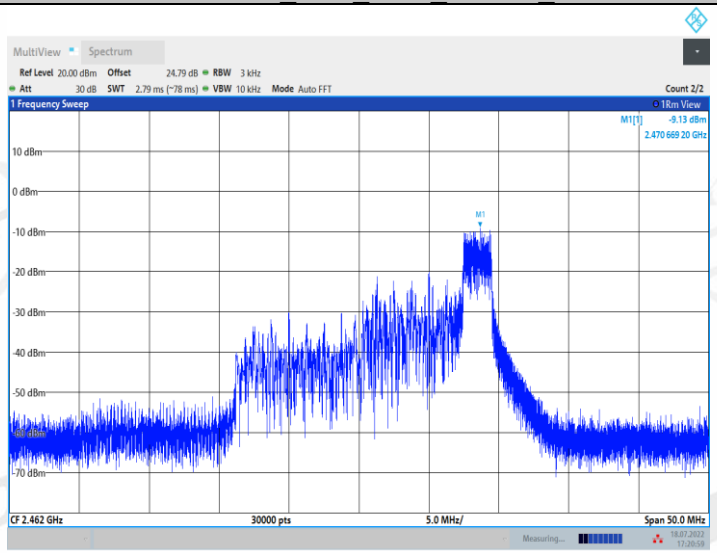
11AX20MIMO_Ant2_2462_26Tone_RU0



11AX20MIMO_Ant2_2462_26Tone_RU4

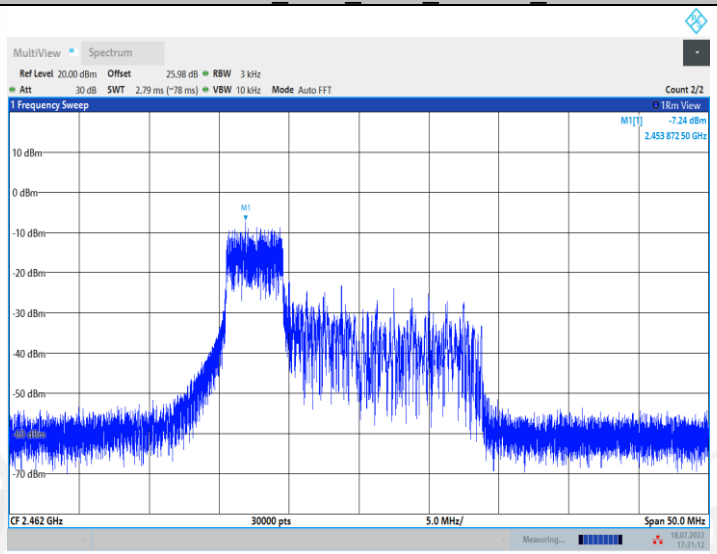


11AX20MIMO_Ant2_2462_26Tone_RU8



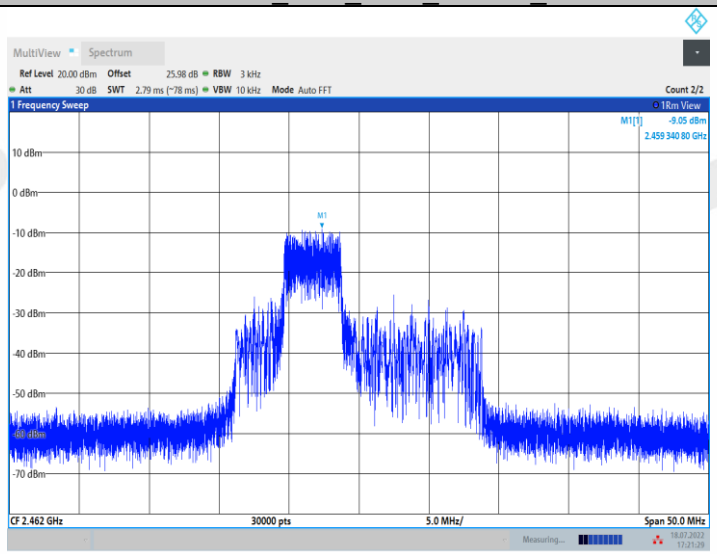
17:21:00 18.07.2022

11AX20MIMO_Ant2_2462_52Tone_RU37



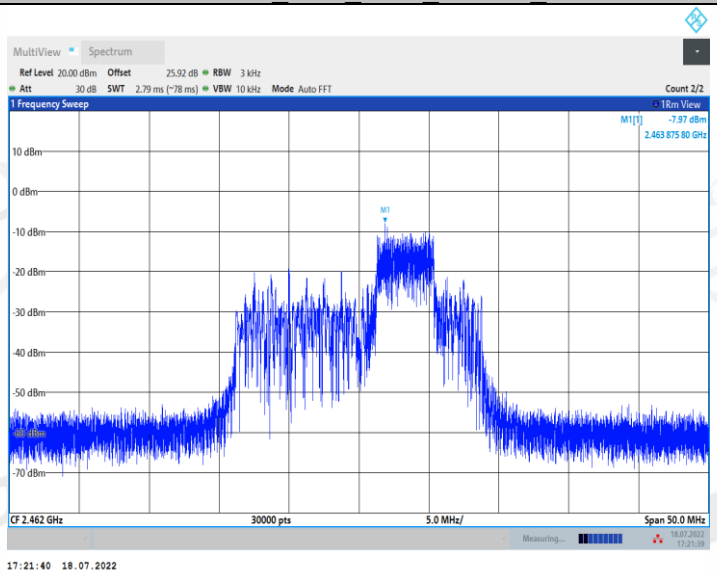
17:21:13 18.07.2022

11AX20MIMO_Ant2_2462_52Tone_RU38

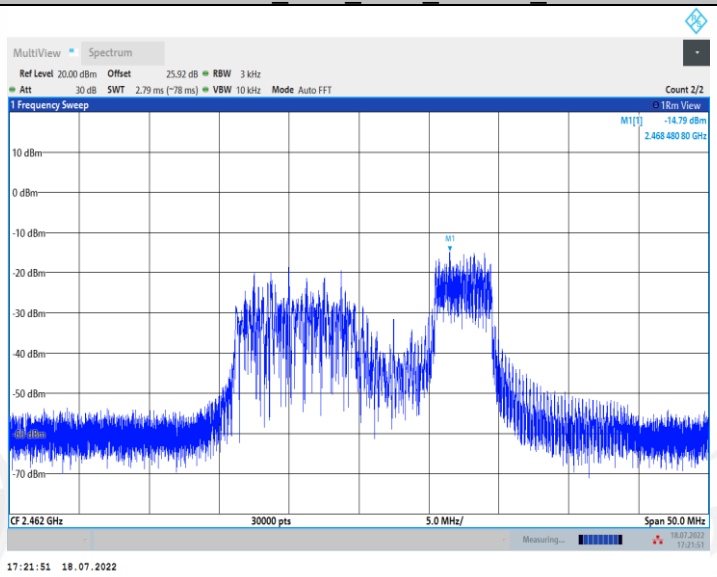


17:21:29 18.07.2022

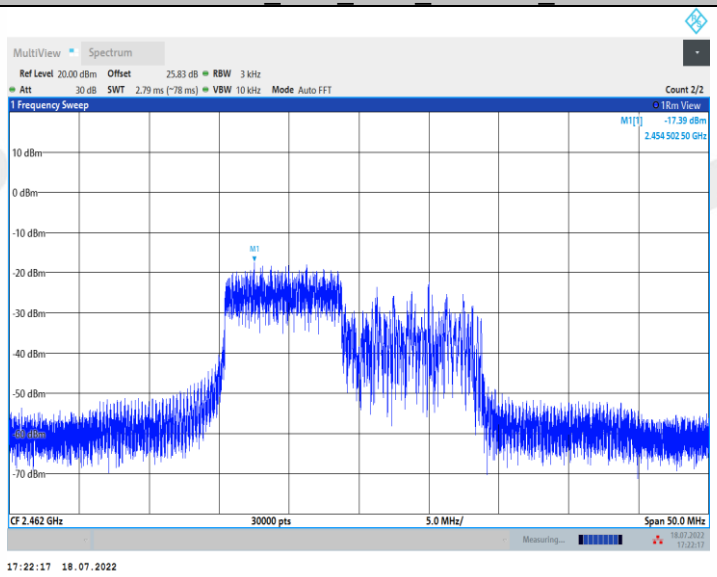
11AX20MIMO_Ant2_2462_52Tone_RU39



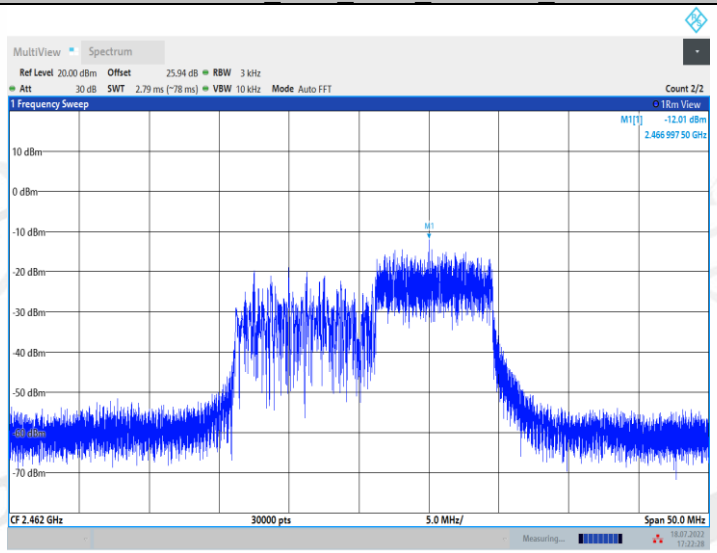
11AX20MIMO_Ant2_2462_52Tone_RU40



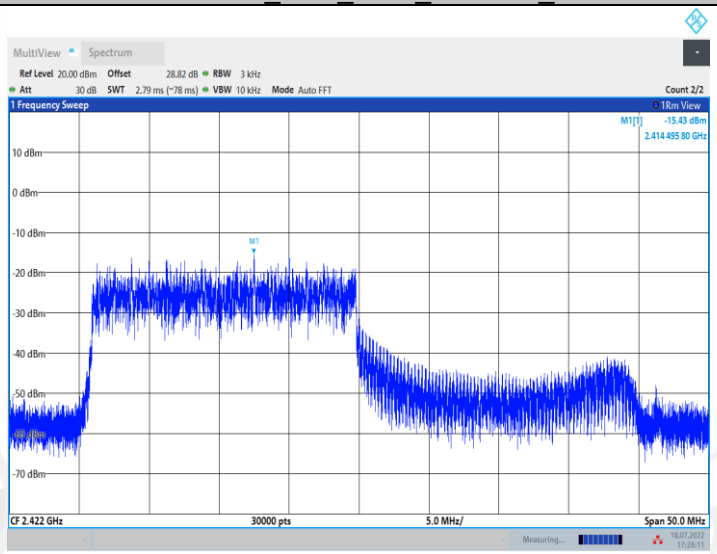
11AX20MIMO_Ant2_2462_106Tone_RU53



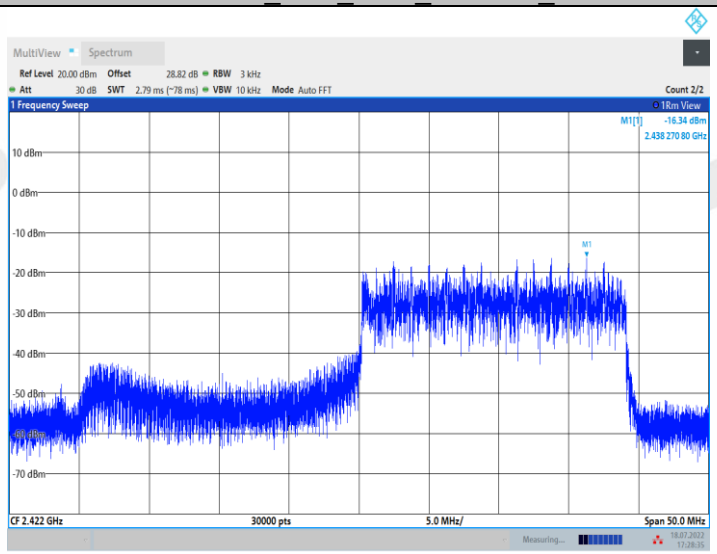
11AX20MIMO_Ant2_2462_106Tone_RU54



11AX40MIMO_Ant1_2422_242Tone_RU61



11AX40MIMO_Ant1_2422_242Tone_RU62



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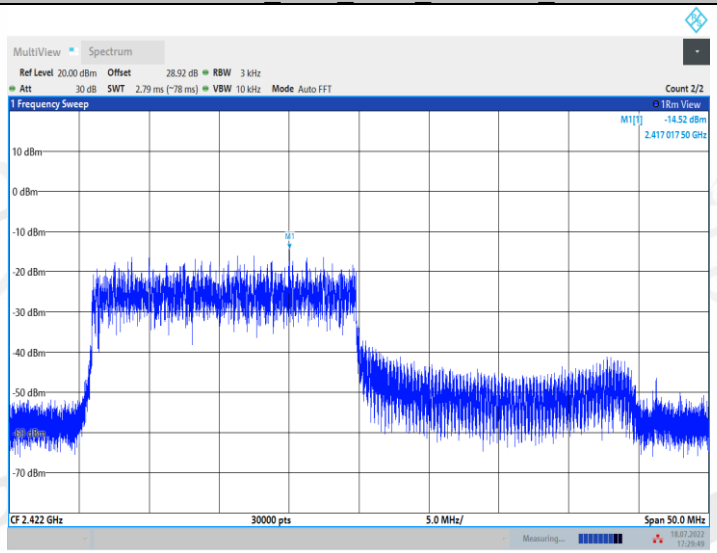
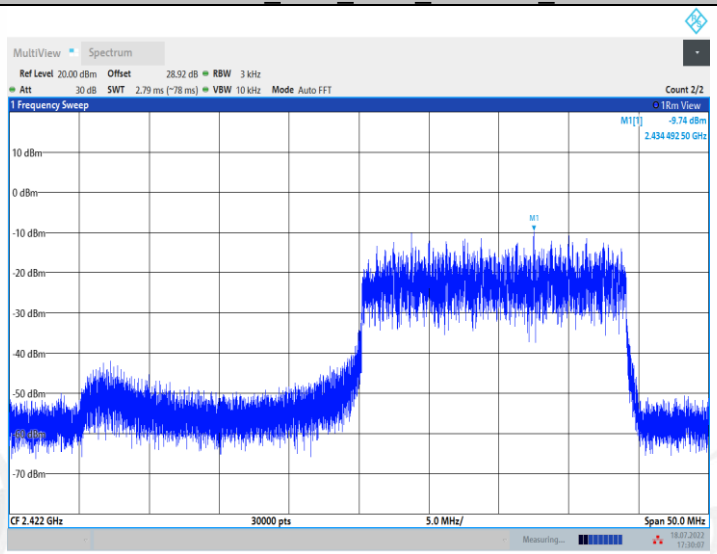


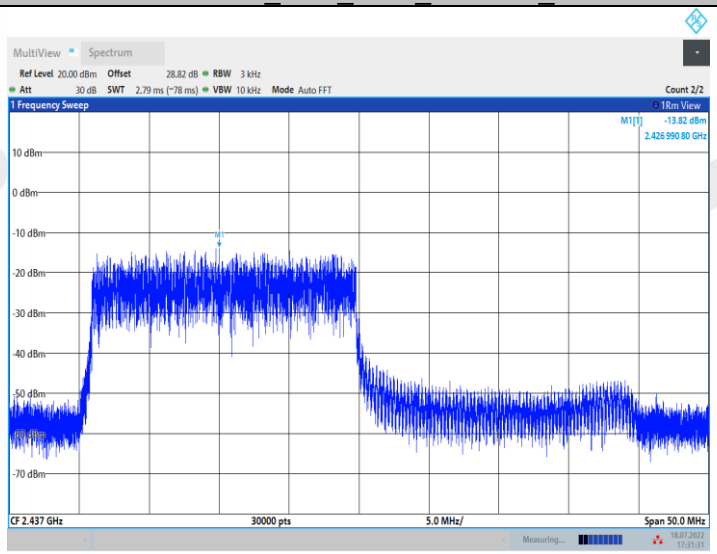
17:29:50 18.07.2022

11AX40MIMO_Ant2_2422_242Tone_RU62



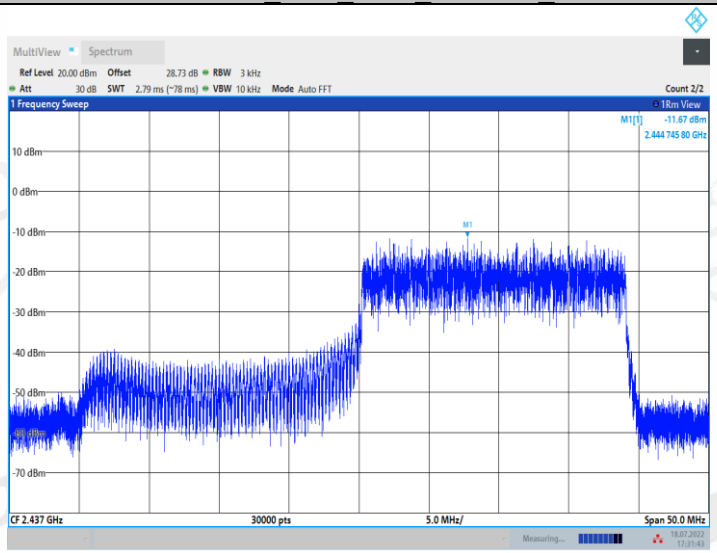
17:30:08 18.07.2022

11AX40MIMO_Ant1_2437_242Tone_RU61

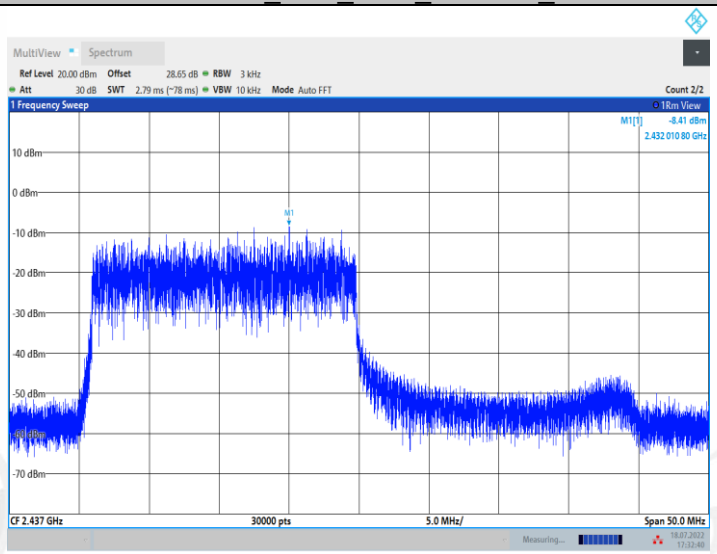


17:31:32 18.07.2022

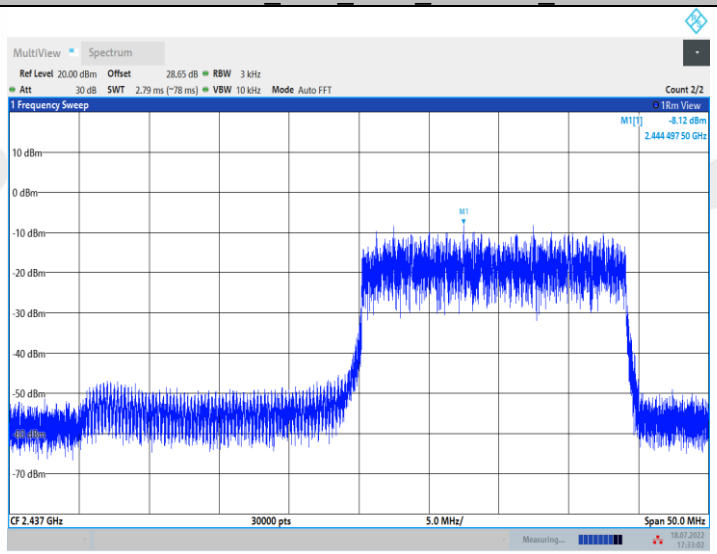
11AX40MIMO_Ant1_2437_242Tone_RU62



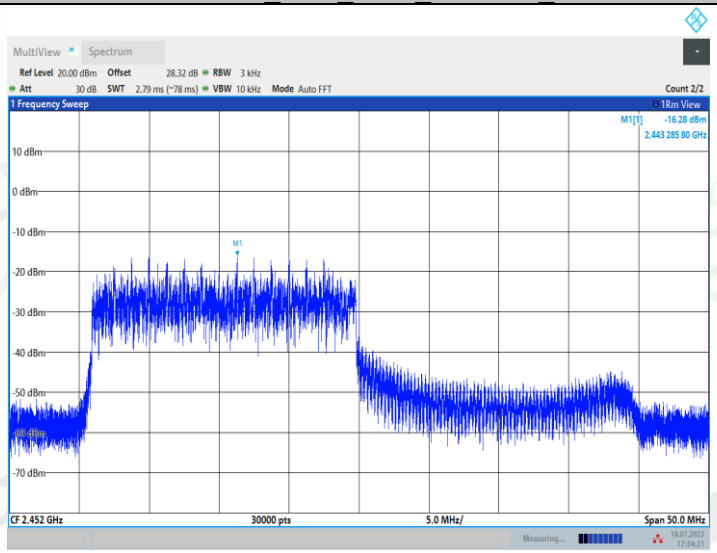
11AX40MIMO_Ant2_2437_242Tone_RU61



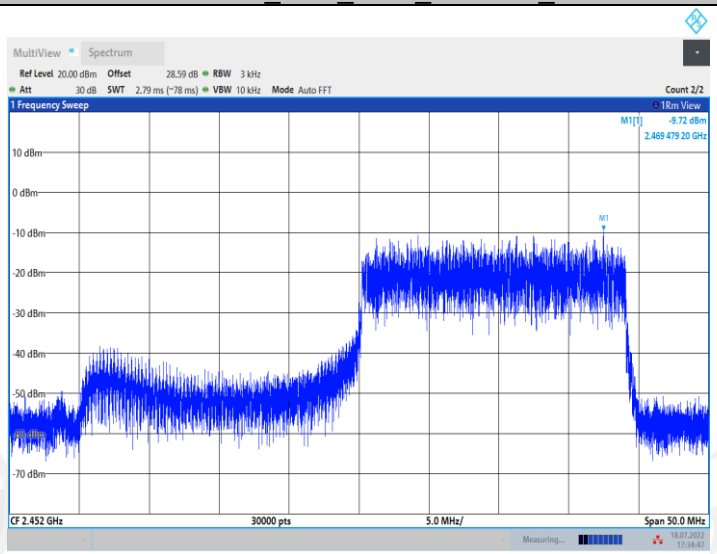
11AX40MIMO_Ant2_2437_242Tone_RU62



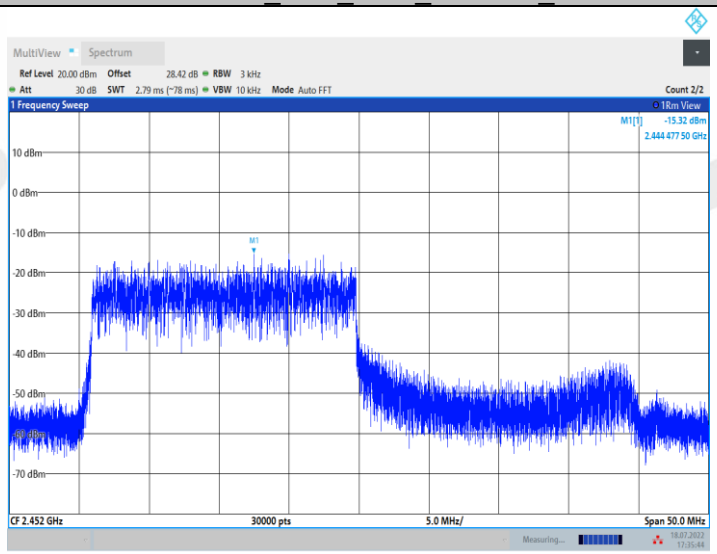
11AX40MIMO_Ant1_2452_242Tone_RU61

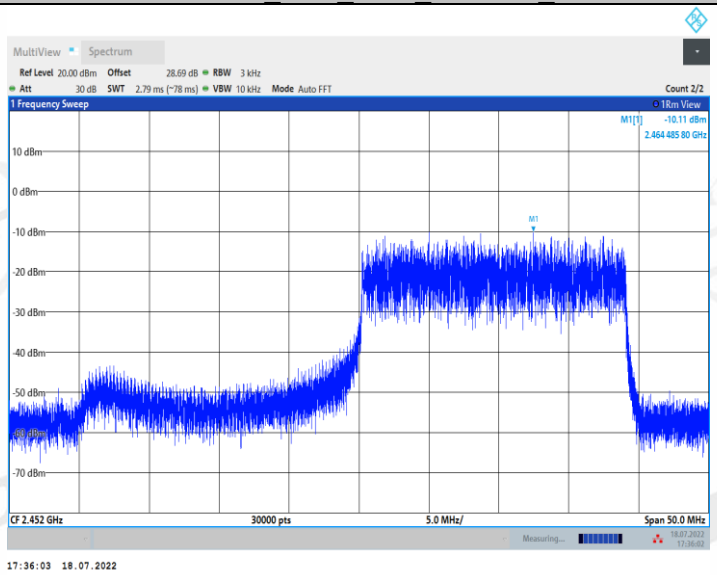


11AX40MIMO_Ant1_2452_242Tone_RU62



11AX40MIMO_Ant2_2452_242Tone_RU61



11AX40MIMO_Ant2_2452_242Tone_RU62


Note: HE20 SU represents HE20 242Tone, and HE40 SU represents HE40 484Tone, so for these Tones test performed with SU mode.

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 30 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:	Peak
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.

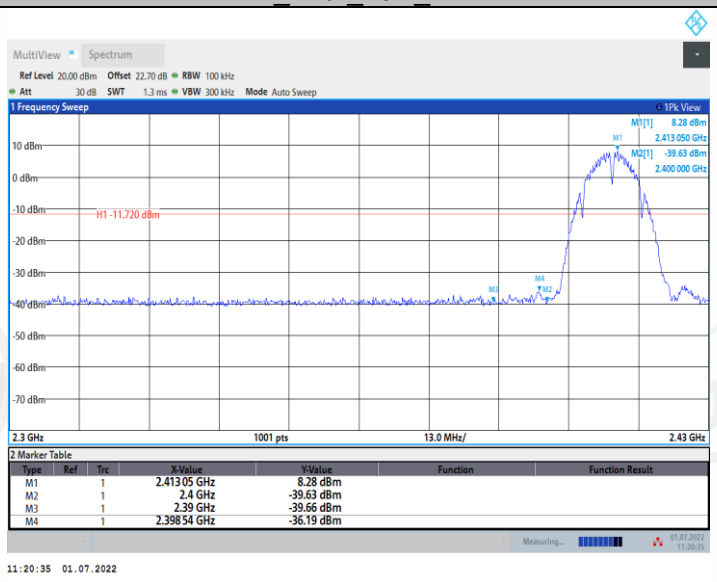
7.4. Test result

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

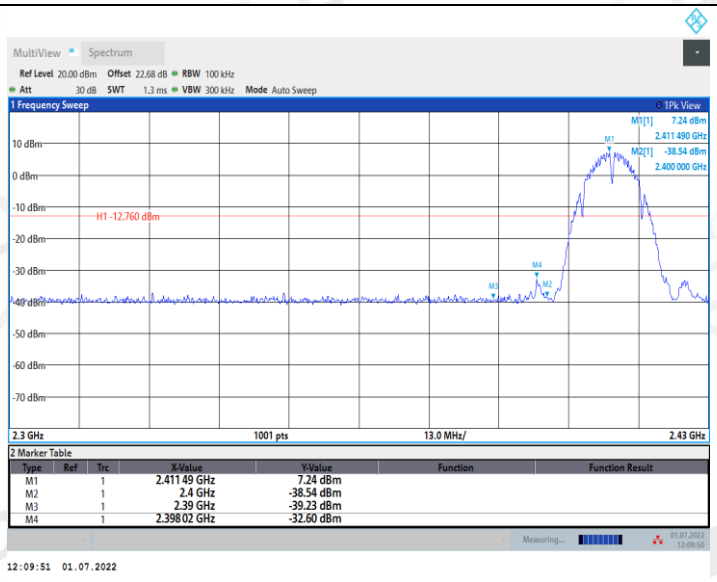
Note: for 802.11ax mode, according exploratory explorer test, Specific Resource Unit have no distinct influence, so the final test data only record the Worst Case.

7.5. Original test data

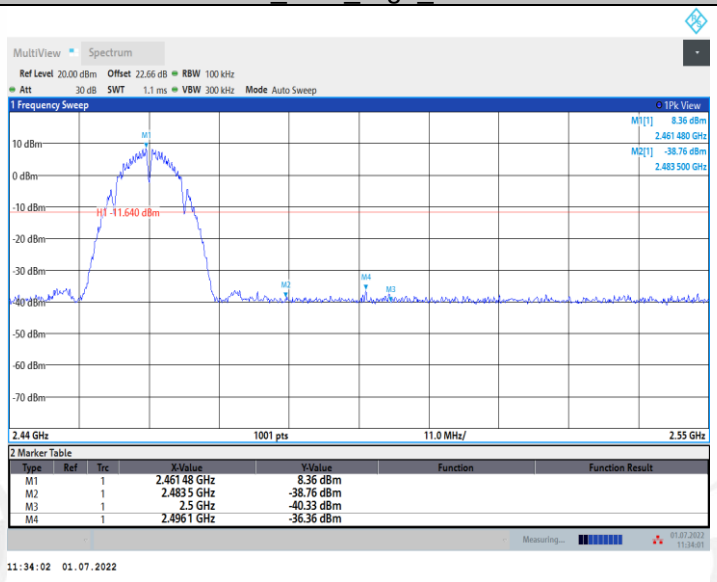
11B_Ant1_Low_2412



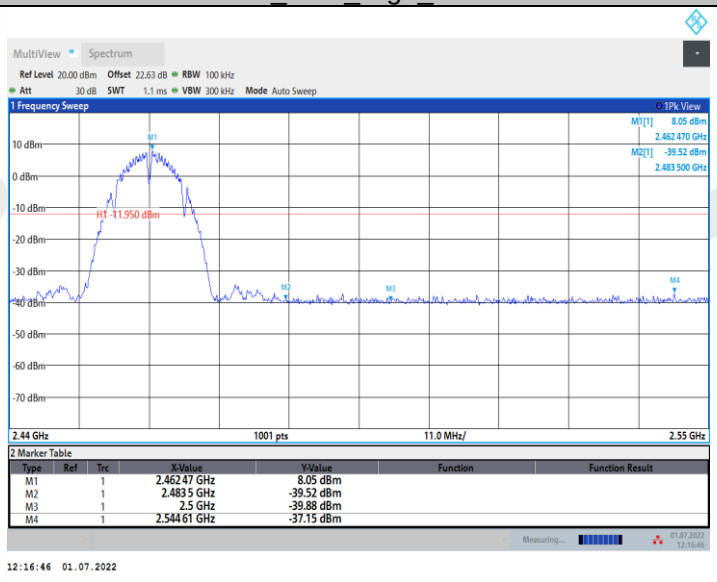
11B_Ant2_Low_2412



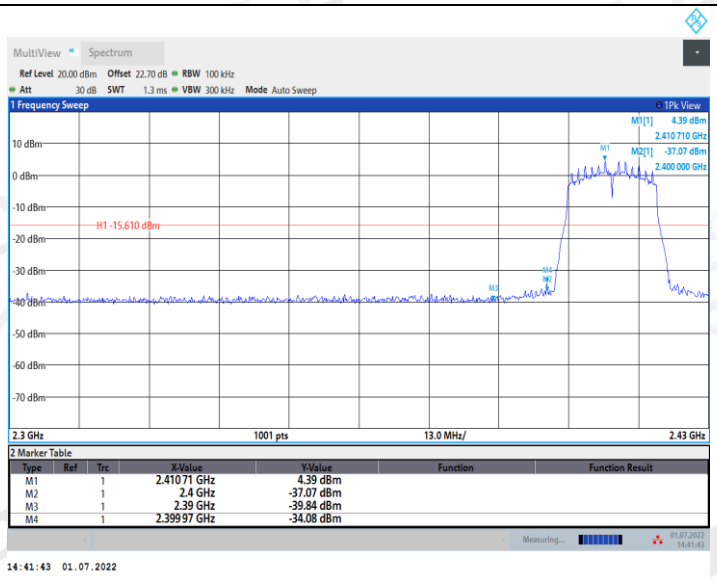
11B_Ant1_High_2462



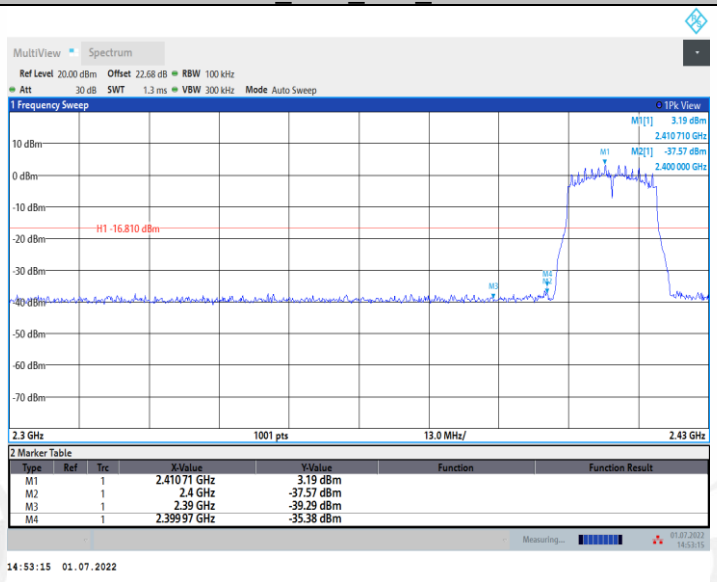
11B_Ant2_High_2462



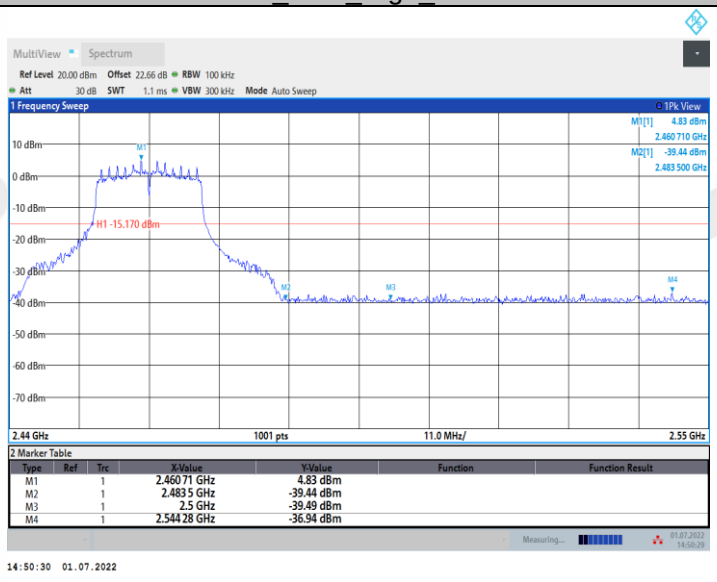
11G_Ant1_Low_2412



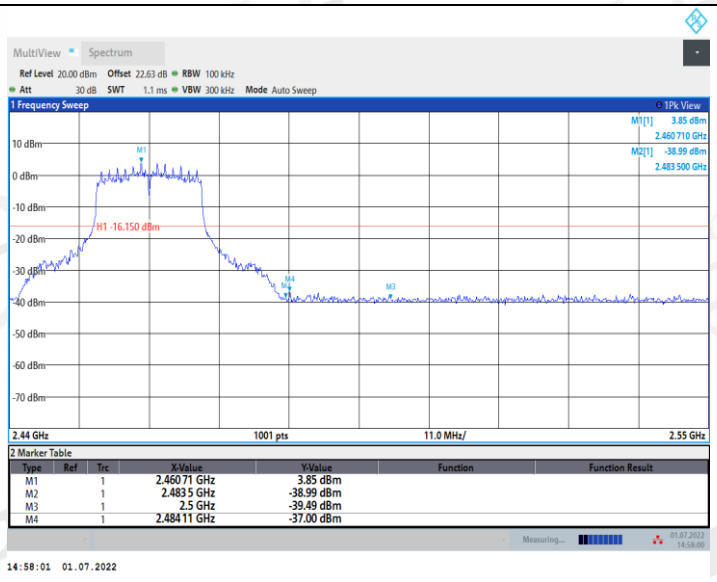
11G_Ant2_Low_2412



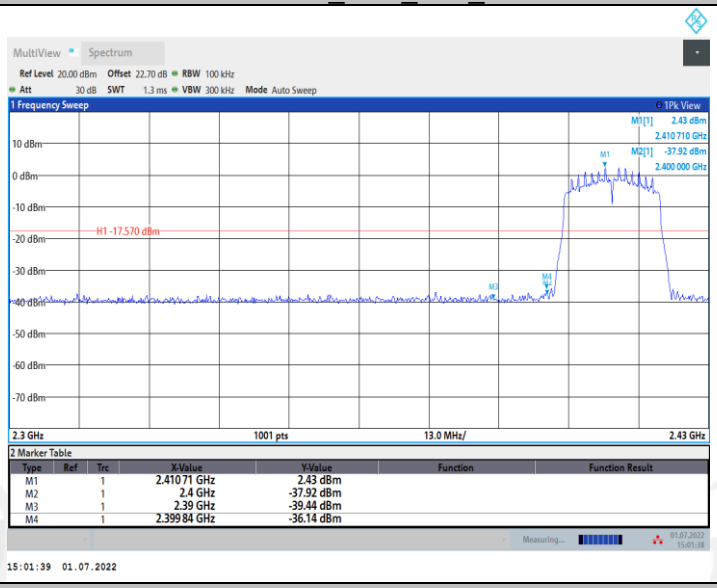
11G_Ant1_High_2462



11G_Ant2_High_2462



11N20MIMO_Ant1_Low_2412



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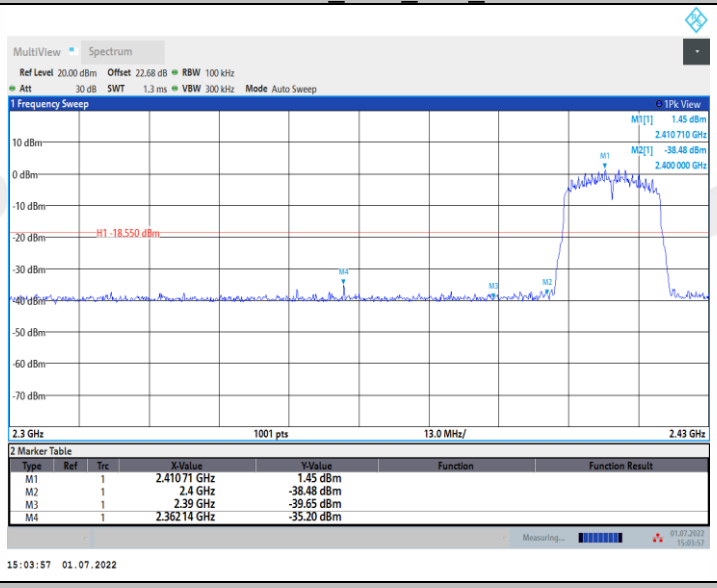

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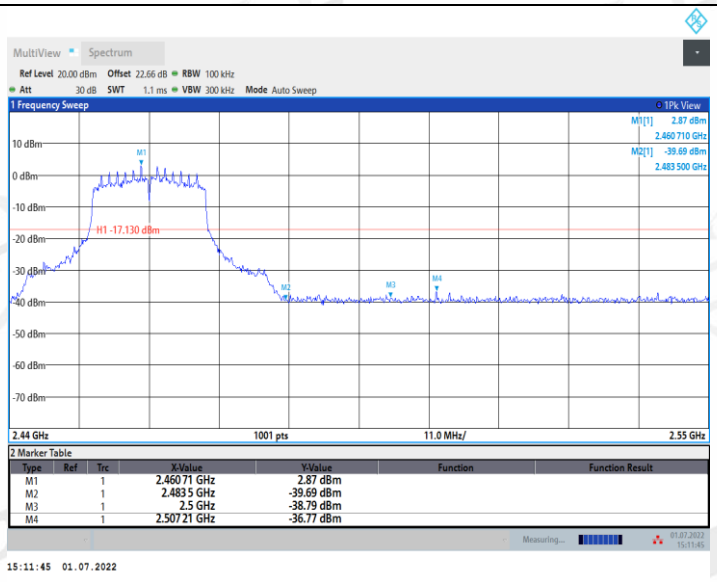
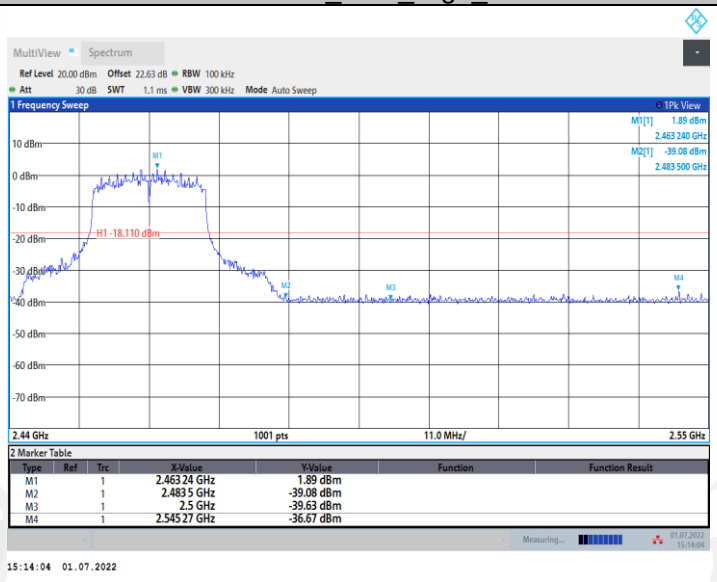
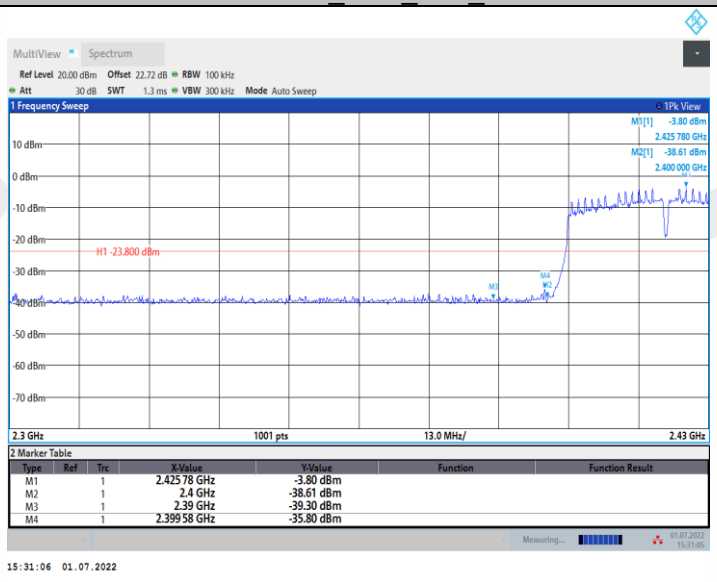


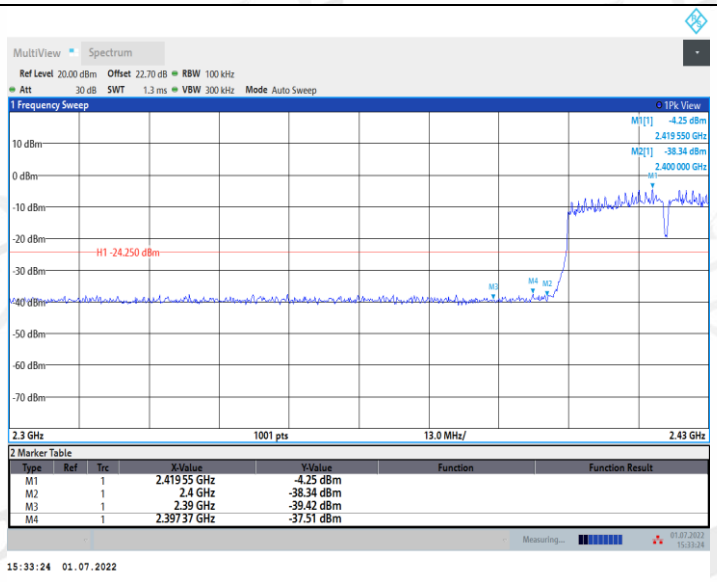
11N20MIMO_Ant2_High_2462



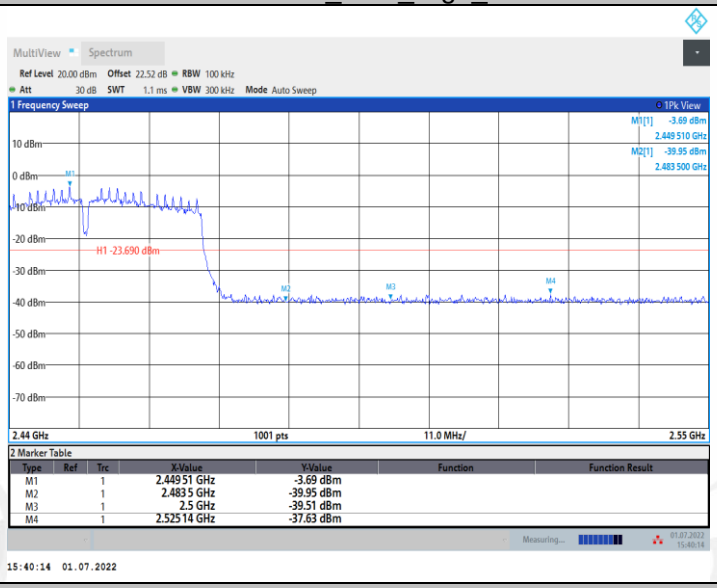
11N40MIMO_Ant1_Low_2422



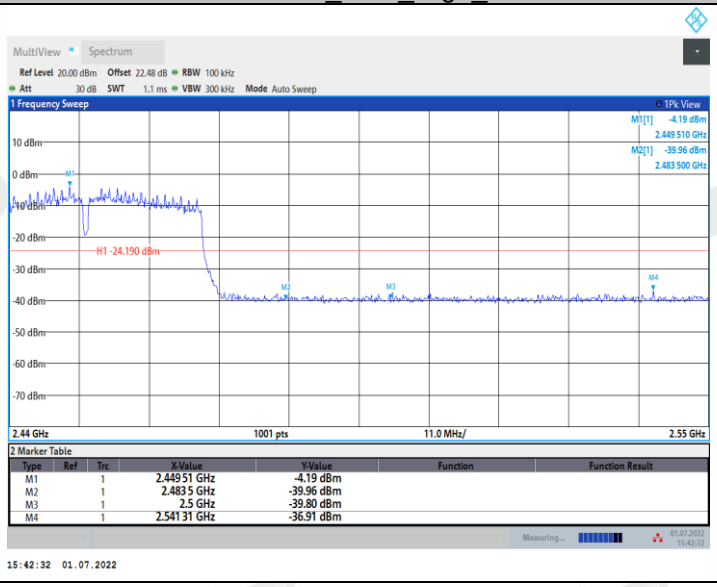
11N40MIMO_Ant2_Low_2422



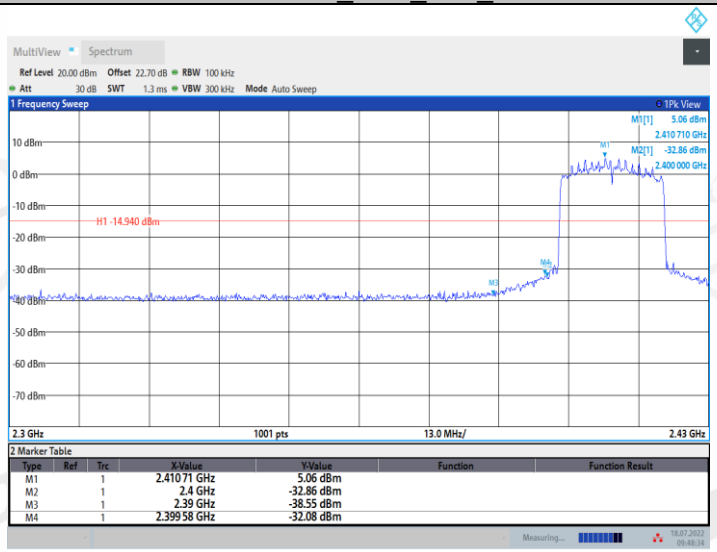
11N40MIMO_Ant1_High_2452



11N40MIMO_Ant2_High_2452



11AX20MIMO_Ant1_Low_2412



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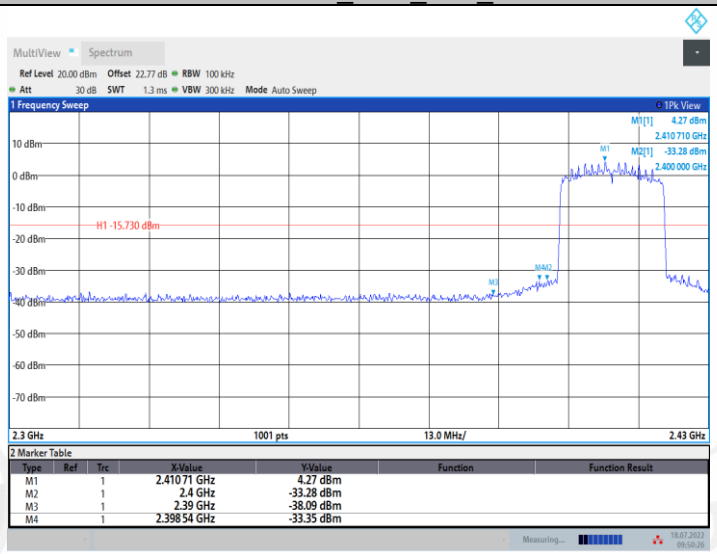
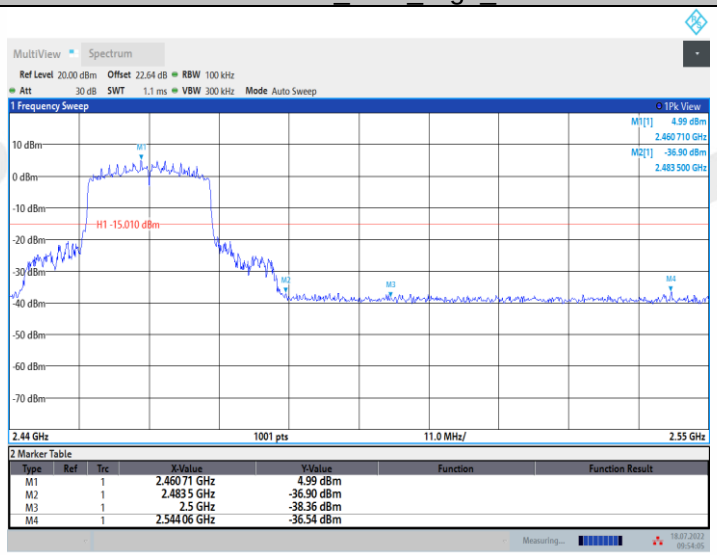
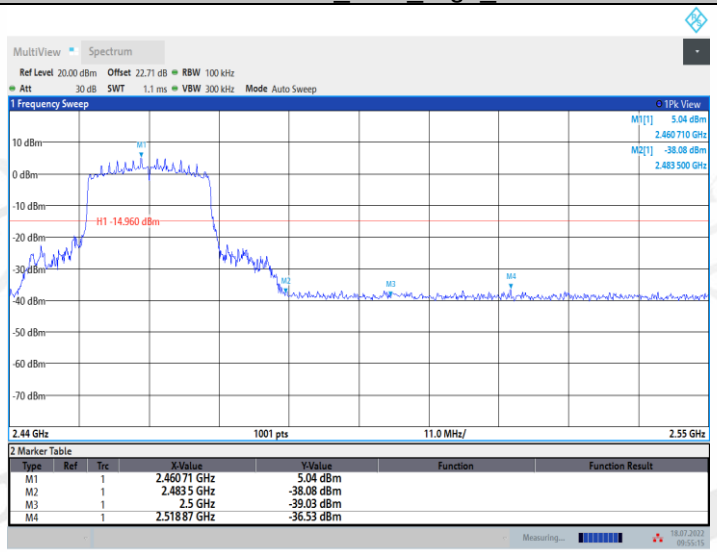


11AX20MIMO_Ant1_High_2462

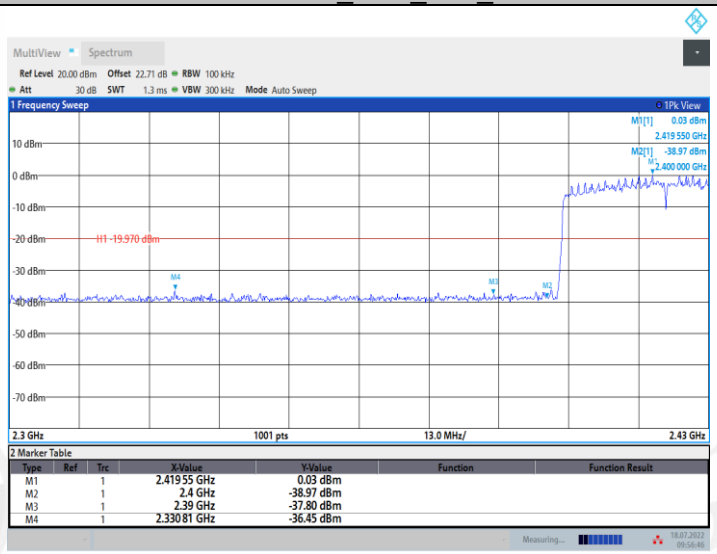


11AX20MIMO_Ant2_High_2462



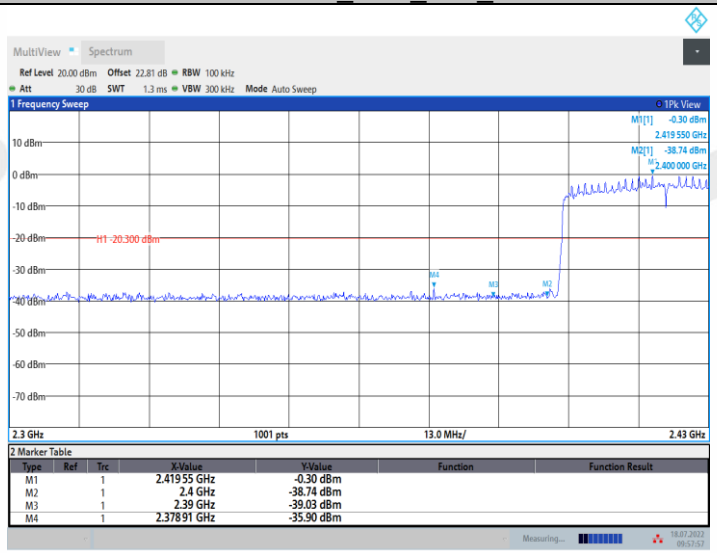
09:55:15 18.07.2022

11AX40MIMO_Ant1_Low_2422

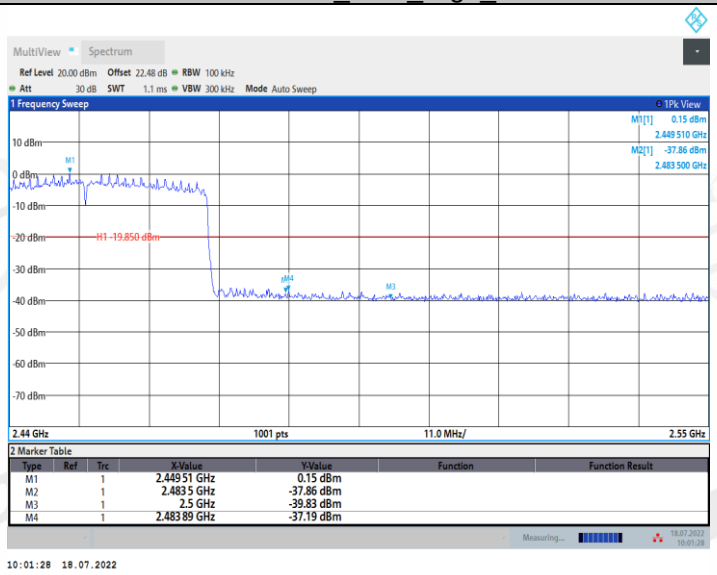


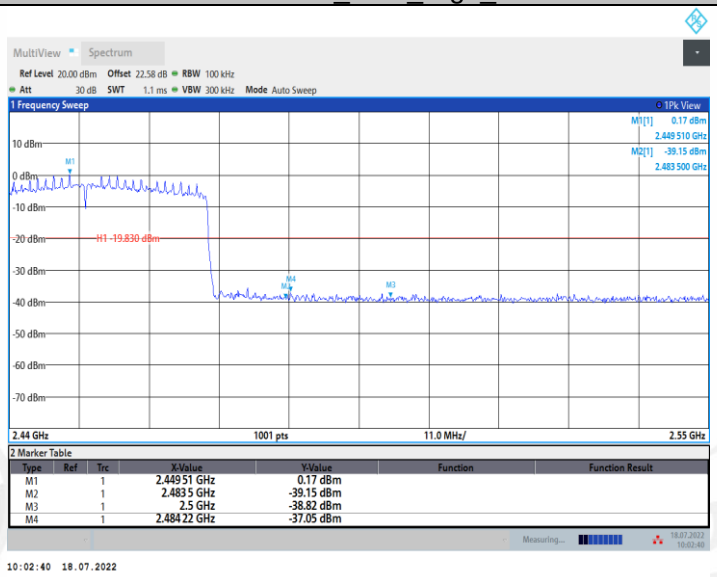
09:56:47 18.07.2022

11AX40MIMO_Ant2_Low_2422



09:57:57 18.07.2022

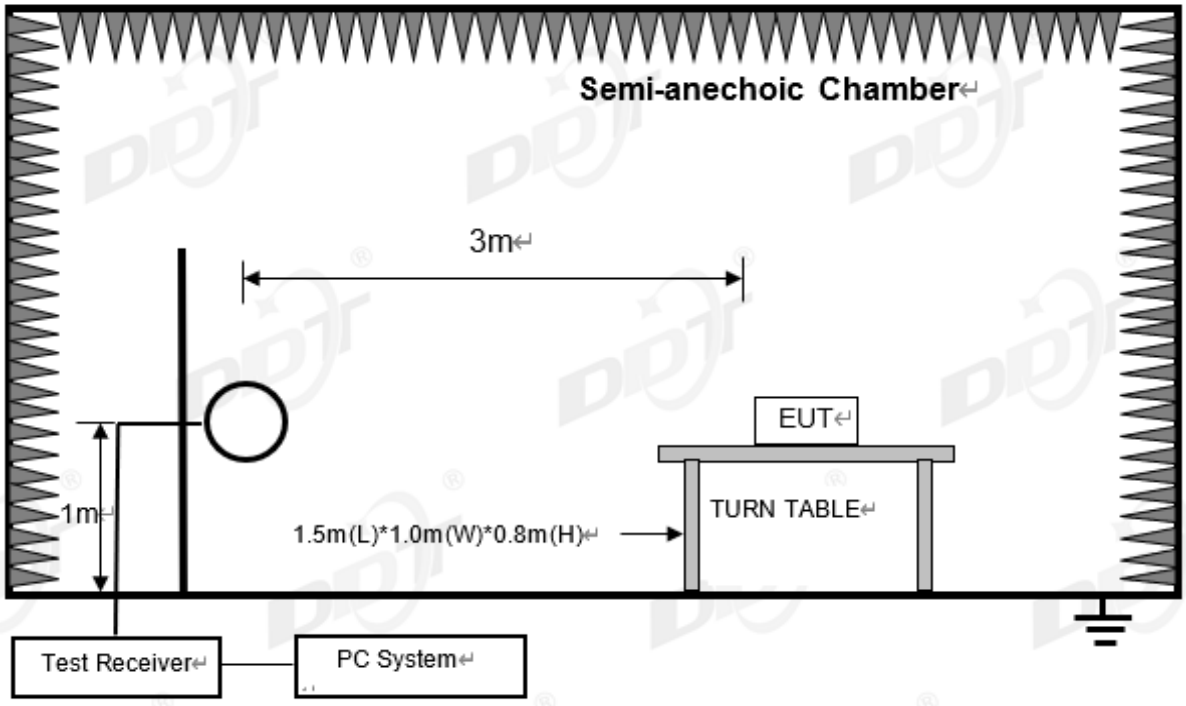
11AX40MIMO_Ant1_High_2452


11AX40MIMO_Ant2_High_2452


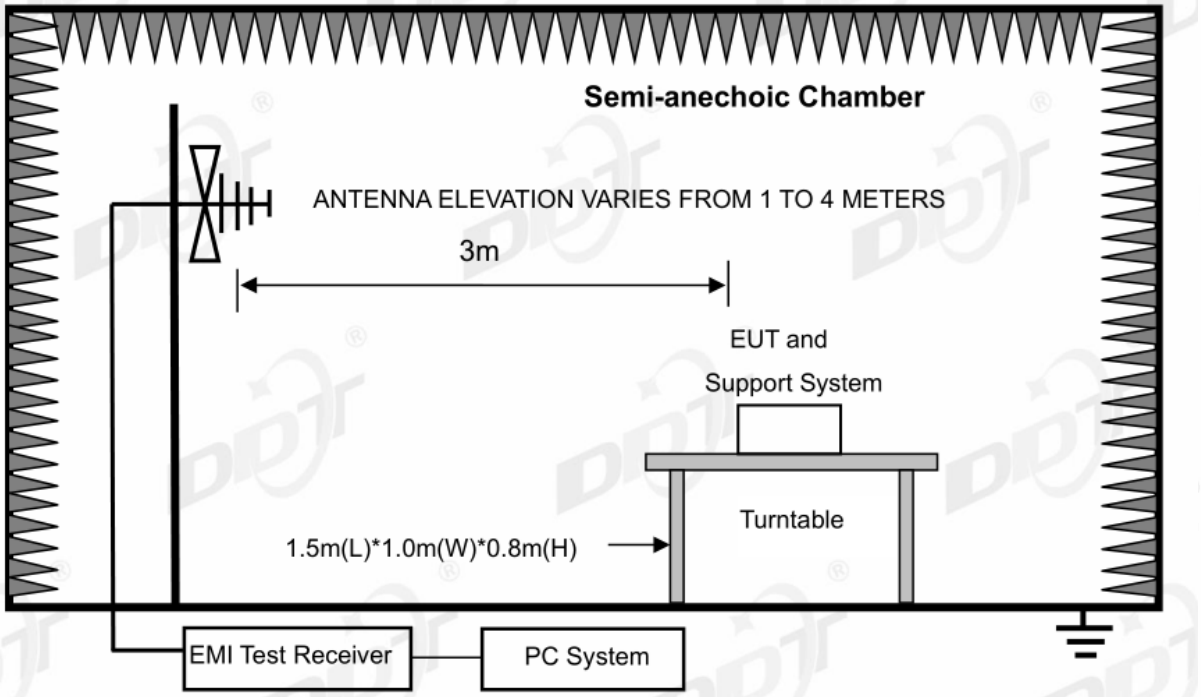
8. Radiated Spurious Emissions

8.1. Block diagram of test setup

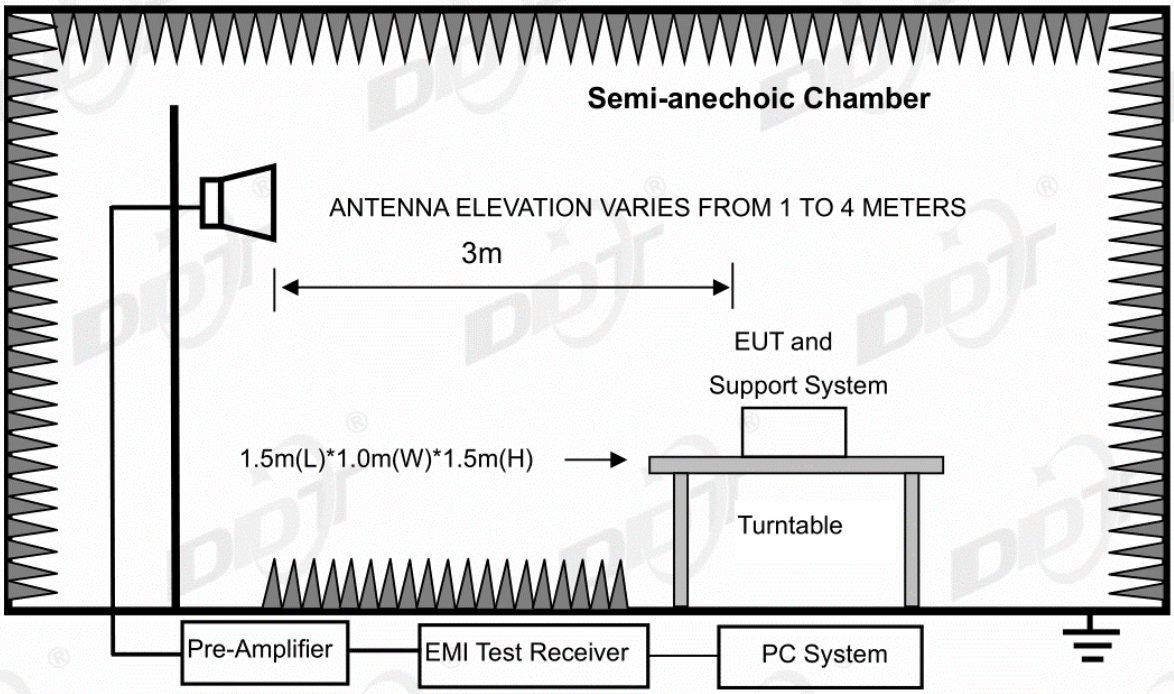
In 3 m Anechoic Chamber, test setup diagram for 9 kHz - 30 MHz:



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