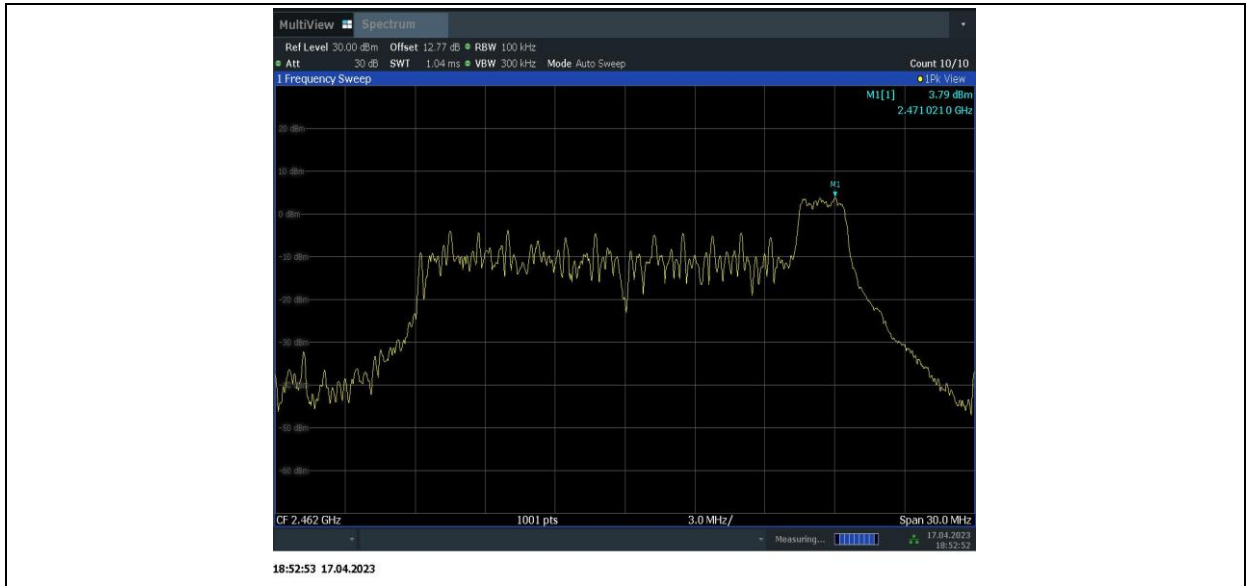




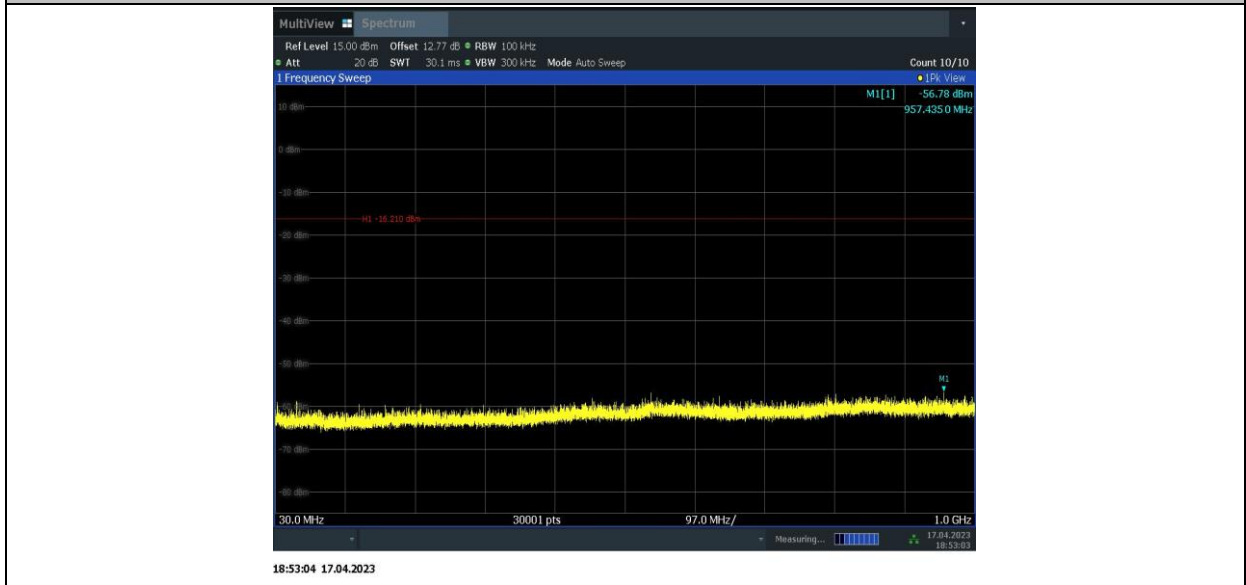
11BE20MIMO_Ant2_2462_26Tone_RU0_1000~26500



11BE20MIMO_Ant2_2462_26Tone_RU8_0~Reference



11BE20MIMO_Ant2_2462_26Tone_RU8_30~1000



11BE20MIMO_Ant2_2462_26Tone_RU8_1000~26500



11BE20MIMO_Ant2_2462_52Tone_RU37_0~Reference



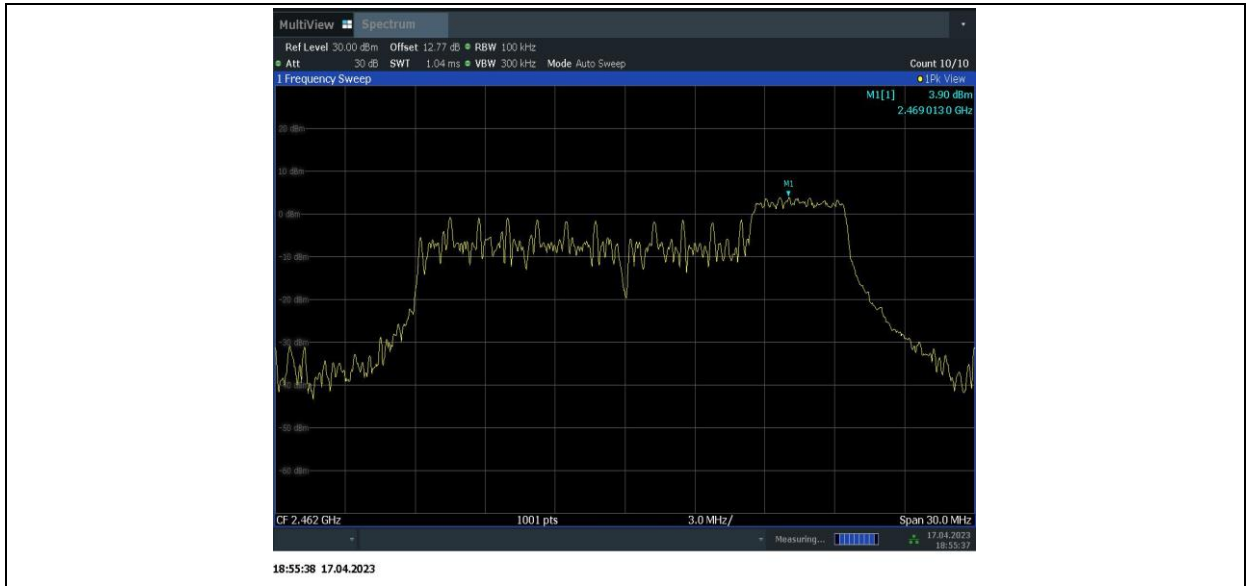
11BE20MIMO_Ant2_2462_52Tone_RU37_30~1000



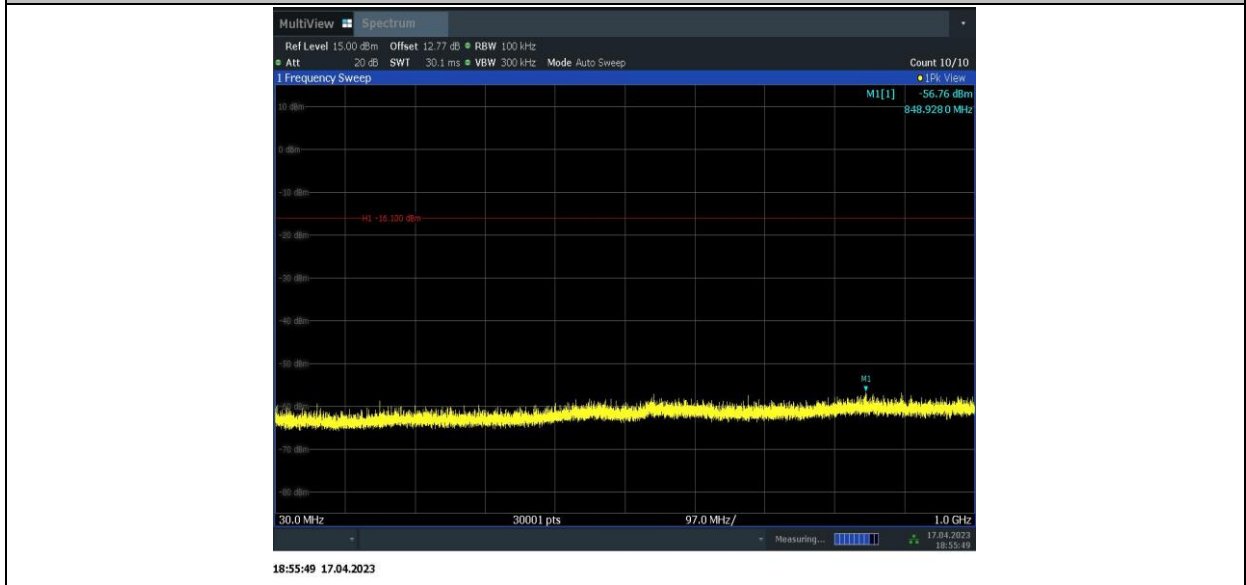
11BE20MIMO_Ant2_2462_52Tone_RU37_1000~26500



11BE20MIMO_Ant2_2462_52Tone_RU40_0~Reference



11BE20MIMO_Ant2_2462_52Tone_RU40_30~1000



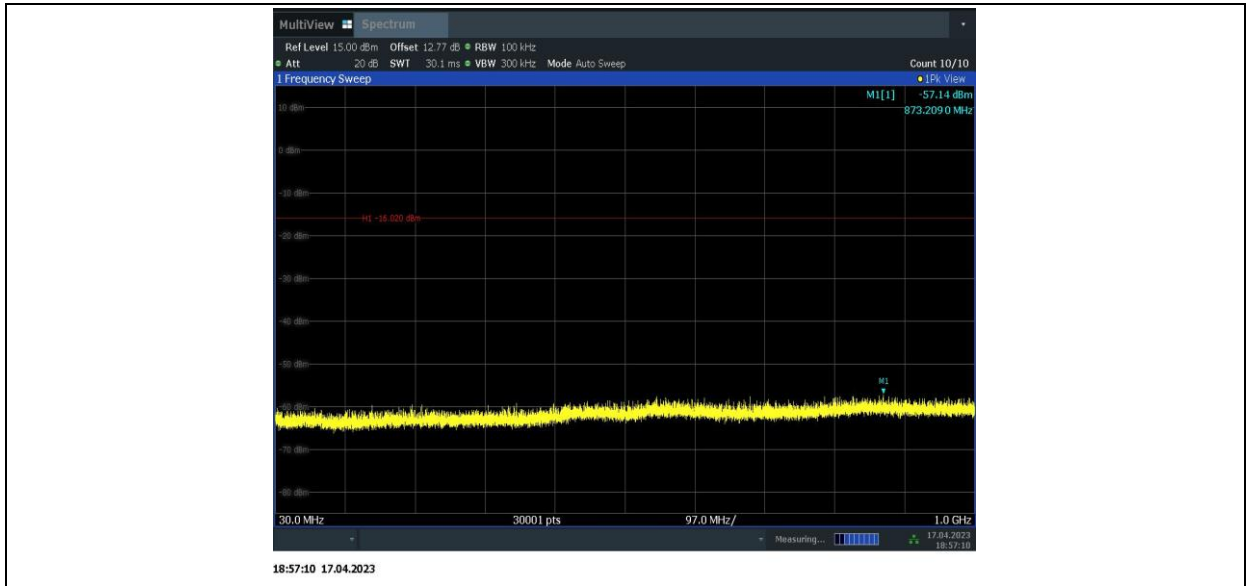
11BE20MIMO_Ant2_2462_52Tone_RU40_1000~26500



11BE20MIMO_Ant2_2462_106Tone_RU53_0~Reference



11BE20MIMO_Ant2_2462_106Tone_RU53_30~1000



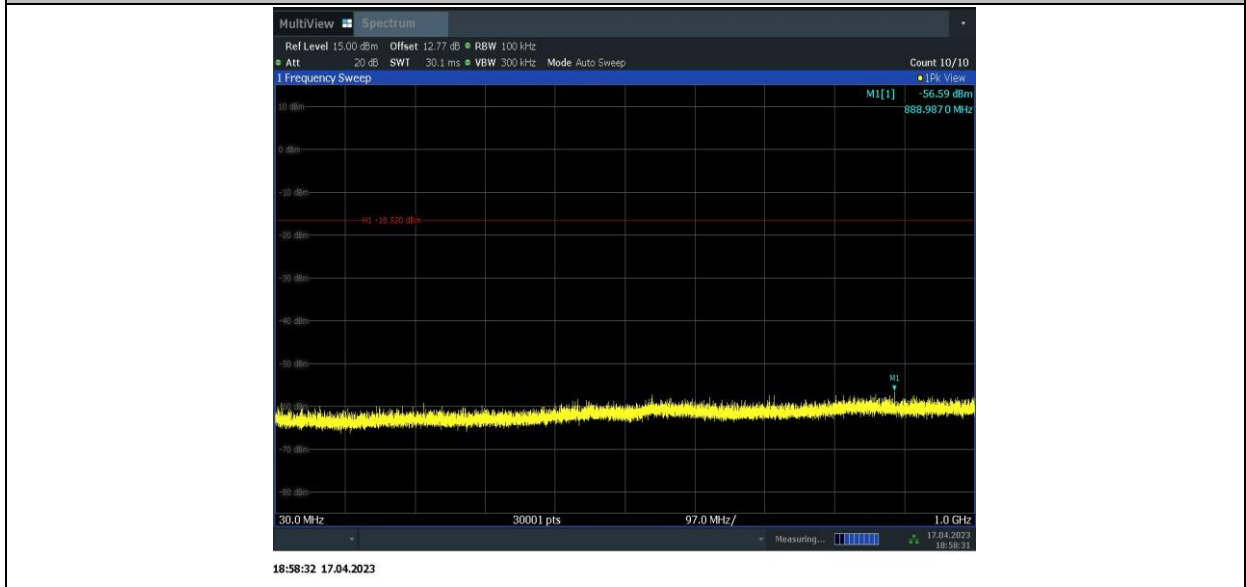
11BE20MIMO_Ant2_2462_106Tone_RU53_1000~26500



11BE20MIMO_Ant2_2462_106Tone_RU54_0~Reference



11BE20MIMO_Ant2_2462_106Tone_RU54_30~1000



11BE20MIMO_Ant2_2462_106Tone_RU54_1000~26500



Small MRU

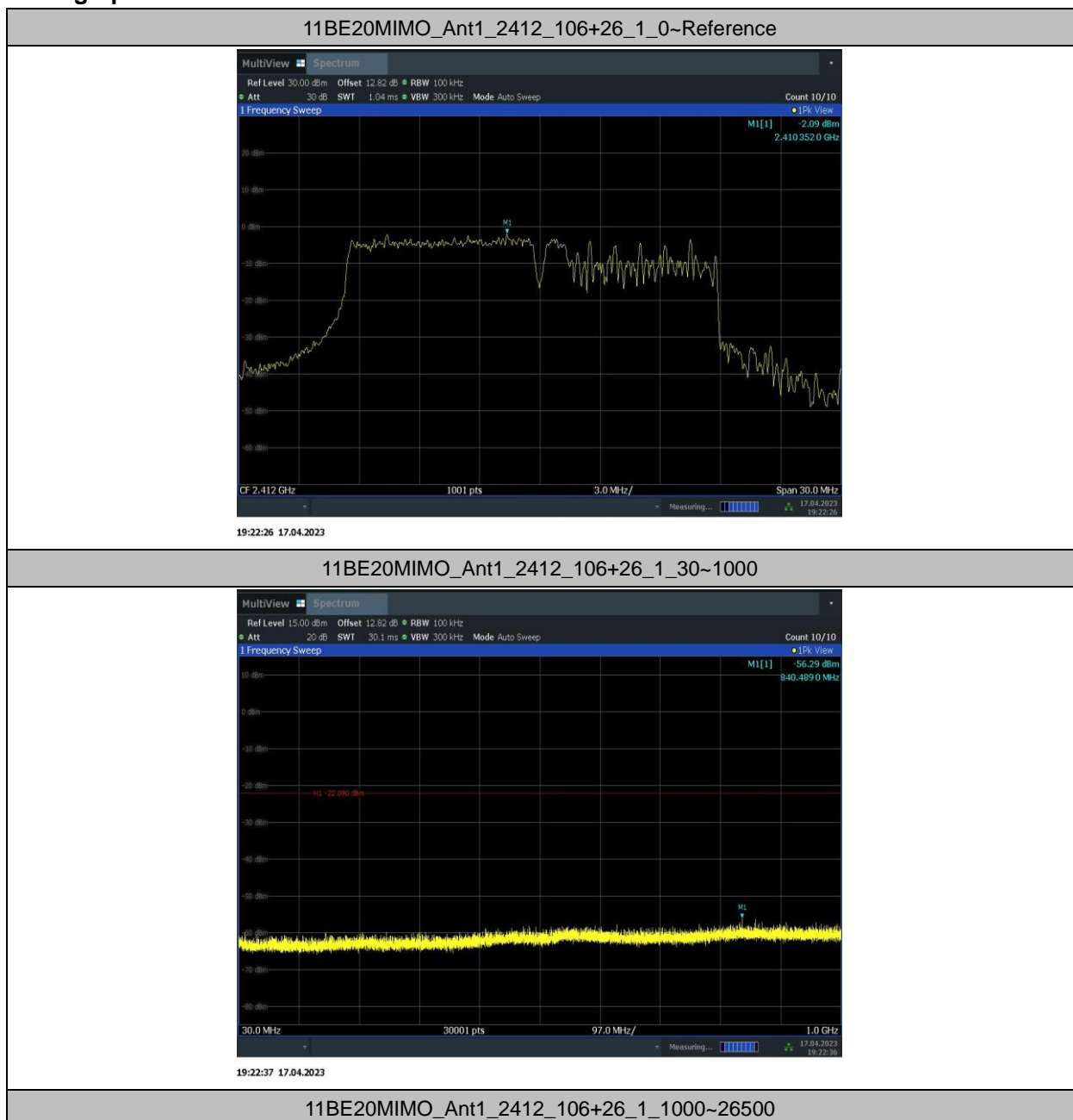
Note: Ant1 of the result table and result graph corresponds to ant5 of the EUT, ant2 of the result table and result graph corresponds to ant6 of the EUT.

Test Mode	Antenna	Channel	Mru Type	Mru Index	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11BE20 MIMO	Ant1	2412	106 Tone,index53 + 26Tone,index4	Reference	-2.09	-2.09	---	PASS	
				30~1000	-2.09	-56.29	≤-22.09	PASS	
				1000~26500	-2.09	-44.03	≤-22.09	PASS	
			106 Tone,index54 + 26Tone,index4	Reference	-2.08	-2.08	---	PASS	
				30~1000	-2.08	-56.82	≤-22.08	PASS	
				1000~26500	-2.08	-43.80	≤-22.08	PASS	
			52 Tone,index38 + 26Tone,index1	Reference	-0.27	-0.27	---	PASS	
				30~1000	-0.27	-56.30	≤-20.27	PASS	
				1000~26500	-0.27	-43.95	≤-20.27	PASS	
			52 Tone,index39 + 26Tone,index7	Reference	0.04	0.04	---	PASS	
				30~1000	0.04	-57.63	≤-19.96	PASS	
				1000~26500	0.04	-44.05	≤-19.96	PASS	
	Ant2	2412	106 Tone,index53 + 26Tone,index4	Reference	-2.42	-2.42	---	PASS	
				30~1000	-2.42	-56.74	≤-22.42	PASS	
				1000~26500	-2.42	-43.79	≤-22.42	PASS	
			106 Tone,index54 + 26Tone,index4	Reference	-2.00	-2.00	---	PASS	
				30~1000	-2.00	-56.82	≤-22	PASS	
				1000~26500	-2.00	-43.60	≤-22	PASS	
			52 Tone,index38 + 26Tone,index1	Reference	0.11	0.11	---	PASS	
				30~1000	0.11	-55.66	≤-19.89	PASS	
				1000~26500	0.11	-38.31	≤-19.89	PASS	
			52 Tone,index39 +	Reference	-0.20	-0.20	---	PASS	

			26Tone,index7	30~1000	-0.20	-56.73	≤-20.2	PASS
				1000~26500	-0.20	-43.50	≤-20.2	PASS
	Ant1	2437	106 Tone,index53 + 26Tone,index4	Reference	-1.57	-1.57	---	PASS
				30~1000	-1.57	-56.35	≤-21.57	PASS
				1000~26500	-1.57	-43.97	≤-21.57	PASS
			106 Tone,index54 + 26Tone,index4	Reference	-2.59	-2.59	---	PASS
				30~1000	-2.59	-56.75	≤-22.59	PASS
				1000~26500	-2.59	-43.62	≤-22.59	PASS
			52 Tone,index38 + 26Tone,index1	Reference	0.10	0.10	---	PASS
				30~1000	0.10	-57.06	≤-19.9	PASS
				1000~26500	0.10	-43.49	≤-19.9	PASS
			52 Tone,index39 + 26Tone,index7	Reference	-0.35	-0.35	---	PASS
				30~1000	-0.35	-57.37	≤-20.35	PASS
				1000~26500	-0.35	-44.31	≤-20.35	PASS
	Ant2	2437	106 Tone,index53 + 26Tone,index4	Reference	-1.54	-1.54	---	PASS
				30~1000	-1.54	-56.78	≤-21.54	PASS
				1000~26500	-1.54	-44.08	≤-21.54	PASS
			106 Tone,index54 + 26Tone,index4	Reference	-2.35	-2.35	---	PASS
				30~1000	-2.35	-49.00	≤-22.35	PASS
				1000~26500	-2.35	-44.12	≤-22.35	PASS
			52 Tone,index38 + 26Tone,index1	Reference	0.02	0.02	---	PASS
				30~1000	0.02	-56.72	≤-19.98	PASS
				1000~26500	0.02	-43.54	≤-19.98	PASS
			52 Tone,index39 + 26Tone,index7	Reference	-0.38	-0.38	---	PASS
				30~1000	-0.38	-56.59	≤-20.38	PASS
				1000~26500	-0.38	-44.00	≤-20.38	PASS
	Ant1	2462	106 Tone,index53 + 26Tone,index4	Reference	-1.47	-1.47	---	PASS
				30~1000	-1.47	-57.33	≤-21.47	PASS
				1000~26500	-1.47	-44.30	≤-21.47	PASS
			106 Tone,index54 + 26Tone,index4	Reference	-2.41	-2.41	---	PASS
				30~1000	-2.41	-56.99	≤-22.41	PASS
				1000~26500	-2.41	-43.65	≤-22.41	PASS
			52 Tone,index38 + 26Tone,index1	Reference	0.41	0.41	---	PASS
				30~1000	0.41	-57.14	≤-19.59	PASS
				1000~26500	0.41	-44.23	≤-19.59	PASS
			52 Tone,index39 + 26Tone,index7	Reference	-0.50	-0.50	---	PASS
				30~1000	-0.50	-56.65	≤-20.5	PASS
				1000~26500	-0.50	-44.05	≤-20.5	PASS
	Ant2	2462	106 Tone,index53 + 26Tone,index4	Reference	-1.92	-1.92	---	PASS
				30~1000	-1.92	-56.83	≤-21.92	PASS
1000~26500				-1.92	-44.21	≤-21.92	PASS	
106 Tone,index54 +			Reference	-2.53	-2.53	---	PASS	

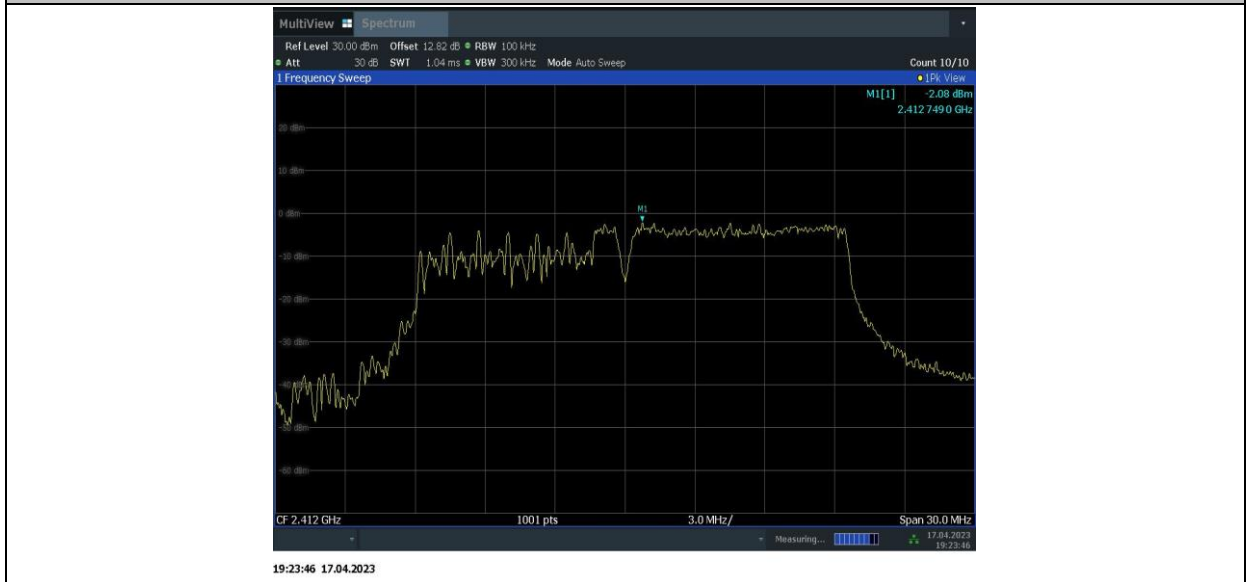
		26Tone,index4	30~1000	-2.53	-56.37	≤ -22.53	PASS
			1000~26500	-2.53	-43.99	≤ -22.53	PASS
		52 Tone,index38 + 26Tone,index1	Reference	-0.31	-0.31	---	PASS
			30~1000	-0.31	-56.48	≤ -20.31	PASS
		52 Tone,index39 + 26Tone,index7	Reference	-0.91	-0.91	---	PASS
			30~1000	-0.91	-56.90	≤ -20.91	PASS
			1000~26500	-0.91	-44.54	≤ -20.91	PASS

Test graphs as below:





11BE20MIMO_Ant1_2412_106+26_2_0~Reference



11BE20MIMO_Ant1_2412_106+26_2_30~1000



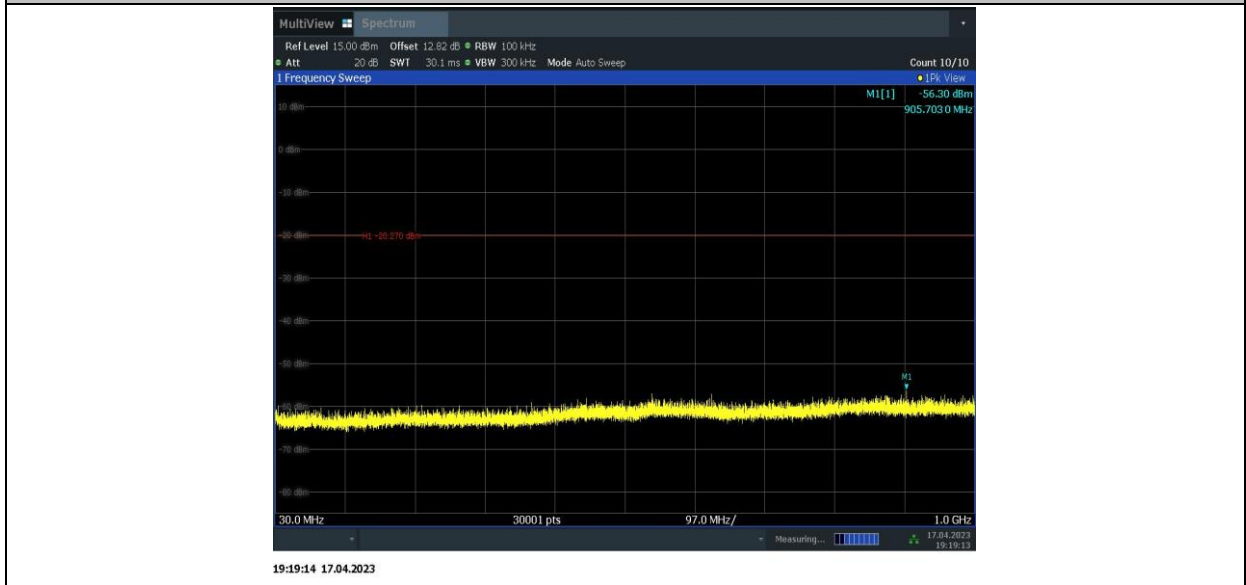
11BE20MIMO_Ant1_2412_106+26_2_1000~26500



11BE20MIMO_Ant1_2412_52+26_1_0~Reference



11BE20MIMO_Ant1_2412_52+26_1_30~1000



11BE20MIMO_Ant1_2412_52+26_1_1000~26500



11BE20MIMO_Ant1_2412_52+26_3_0~Reference



11BE20MIMO_Ant1_2412_52+26_3_30~1000



11BE20MIMO_Ant1_2412_52+26_3_1000~26500



11BE20MIMO_Ant2_2412_106+26_1_0~Reference



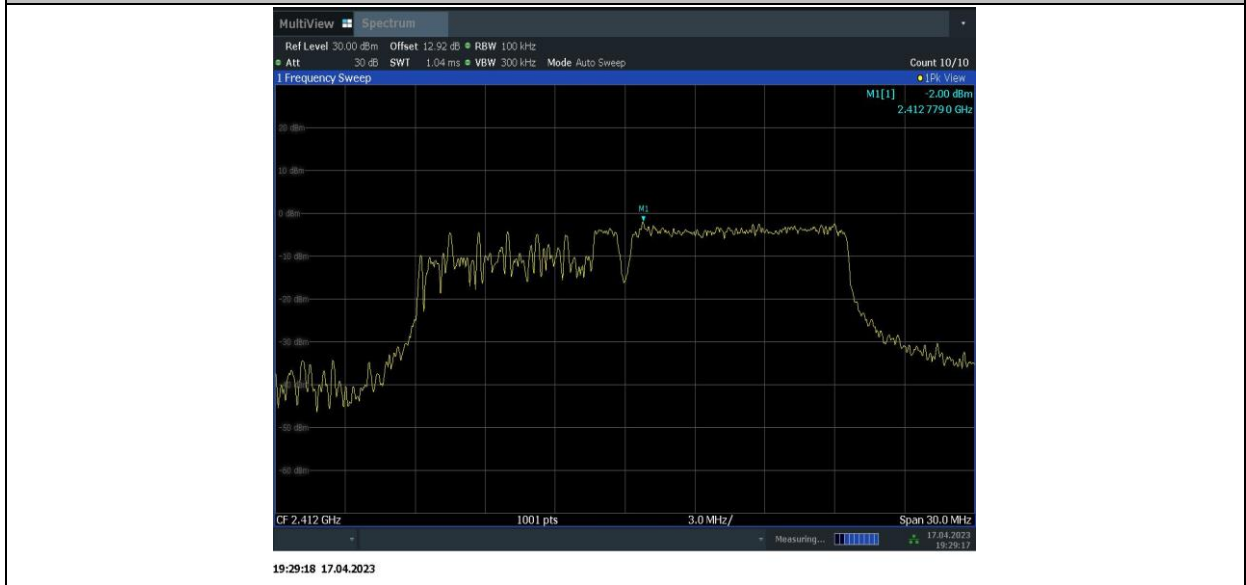
11BE20MIMO_Ant2_2412_106+26_1_30~1000



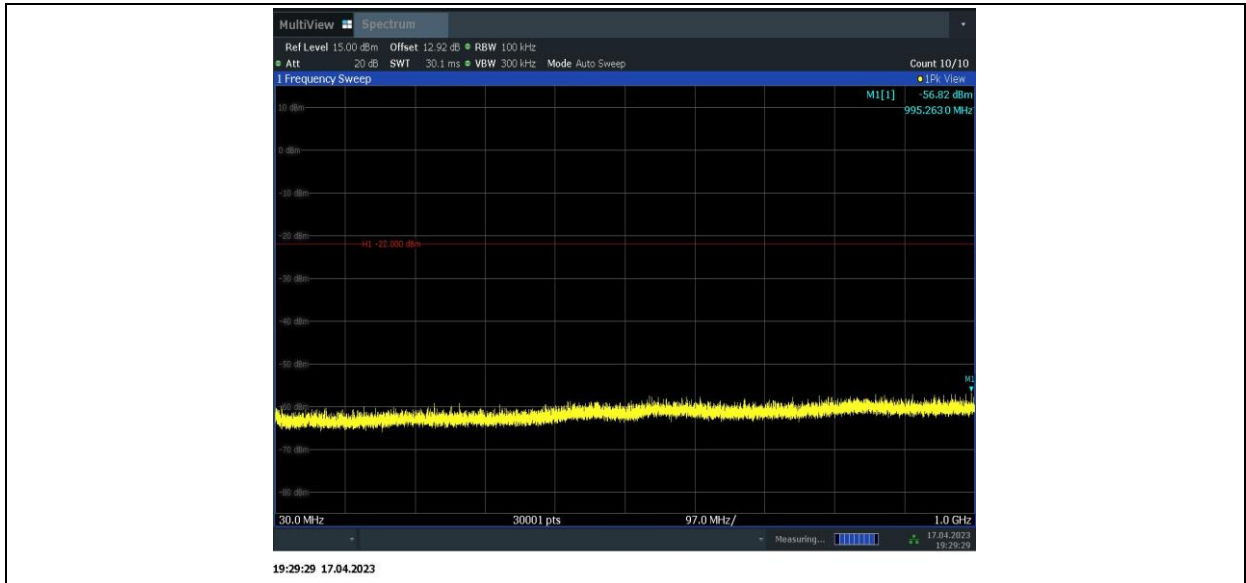
11BE20MIMO_Ant2_2412_106+26_1_1000~26500



11BE20MIMO_Ant2_2412_106+26_2_0~Reference



11BE20MIMO_Ant2_2412_106+26_2_30~1000



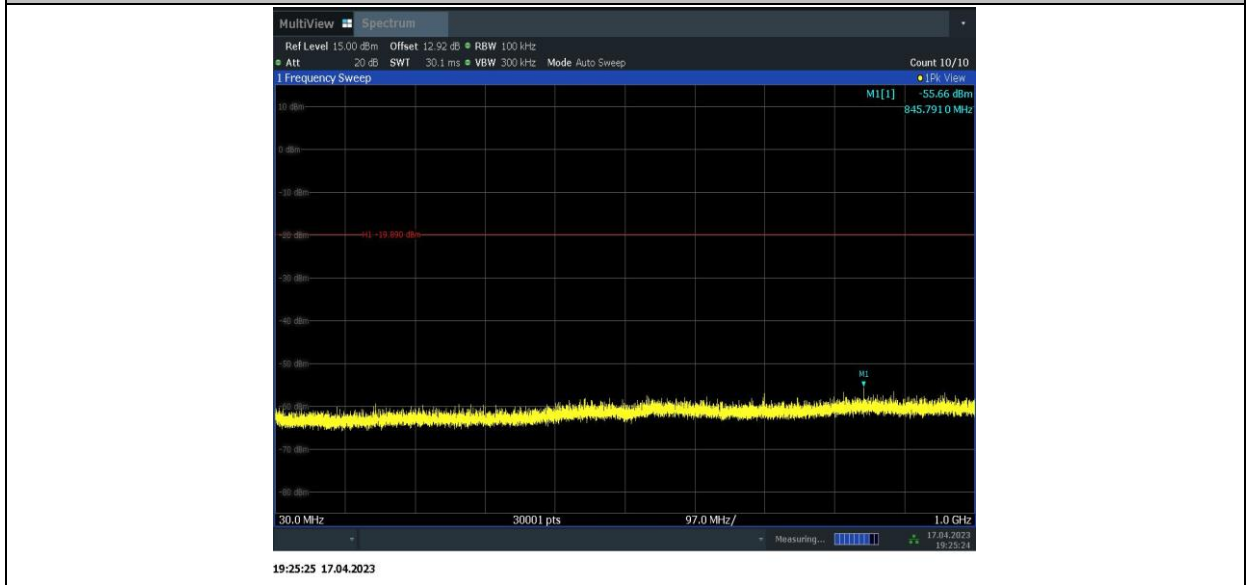
11BE20MIMO_Ant2_2412_106+26_2_1000~26500



11BE20MIMO_Ant2_2412_52+26_1_0~Reference



11BE20MIMO_Ant2_2412_52+26_1_30~1000



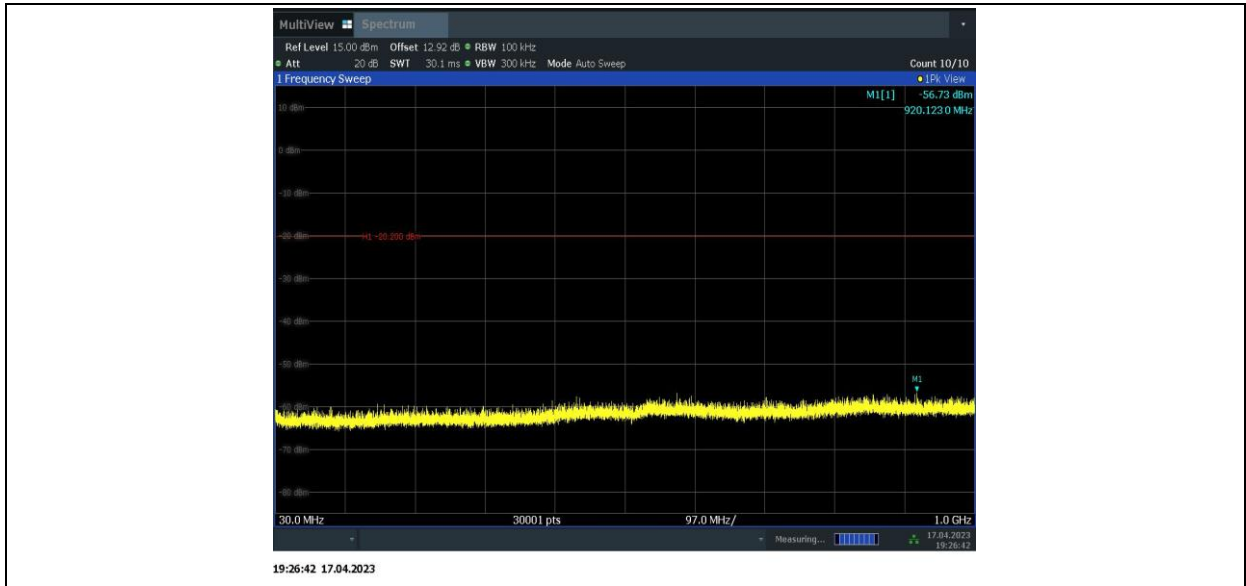
11BE20MIMO_Ant2_2412_52+26_1_1000~26500



11BE20MIMO_Ant2_2412_52+26_3_0~Reference



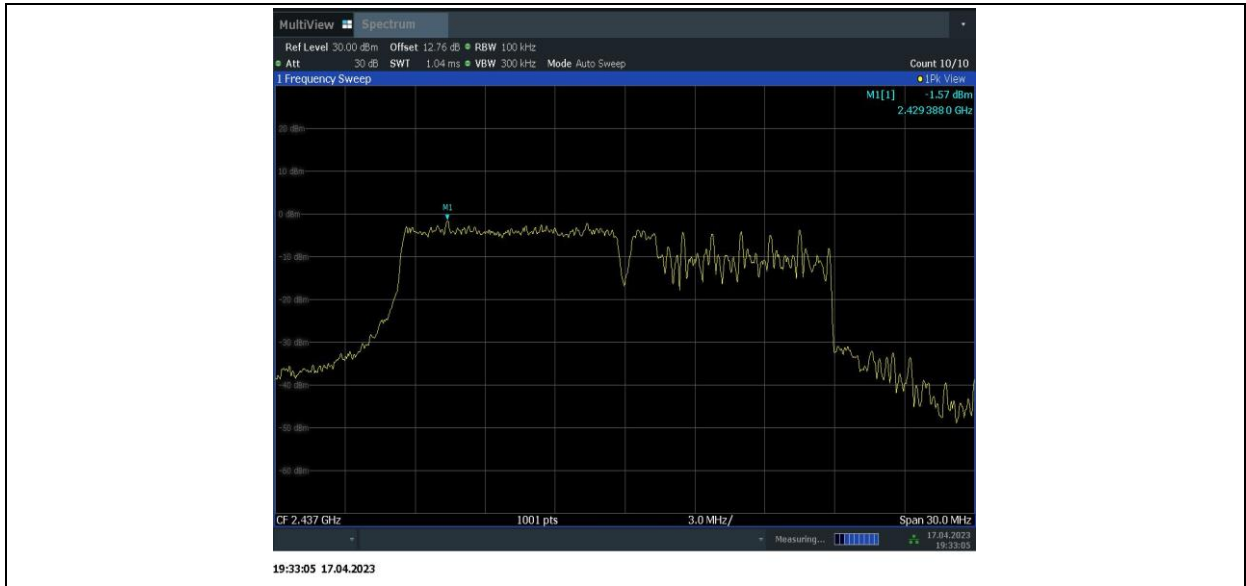
11BE20MIMO_Ant2_2412_52+26_3_30~1000



11BE20MIMO_Ant2_2412_52+26_3_1000~26500



11BE20MIMO_Ant1_2437_106+26_1_0~Reference



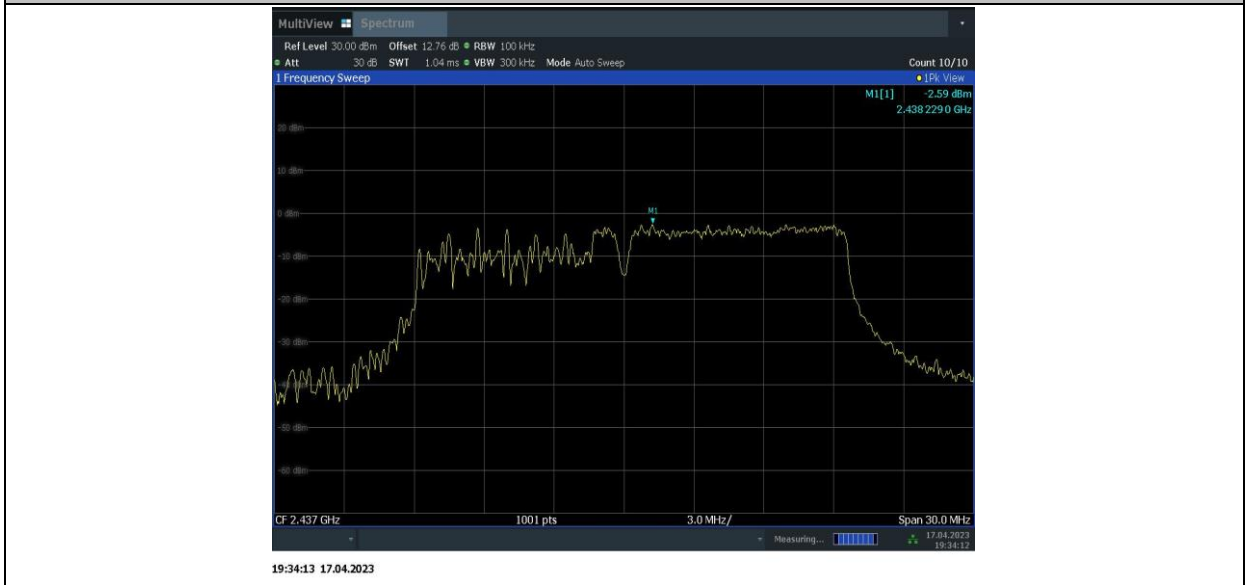
11BE20MIMO_Ant1_2437_106+26_1_30~1000



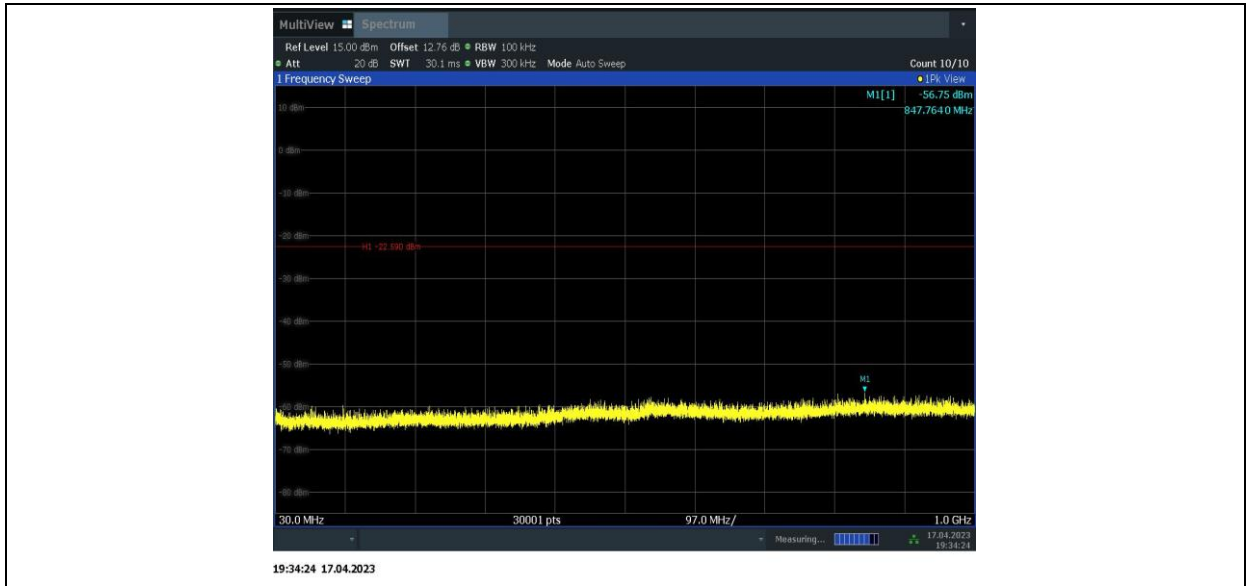
11BE20MIMO_Ant1_2437_106+26_1_1000~26500



11BE20MIMO_Ant1_2437_106+26_2_0~Reference



11BE20MIMO_Ant1_2437_106+26_2_30~1000



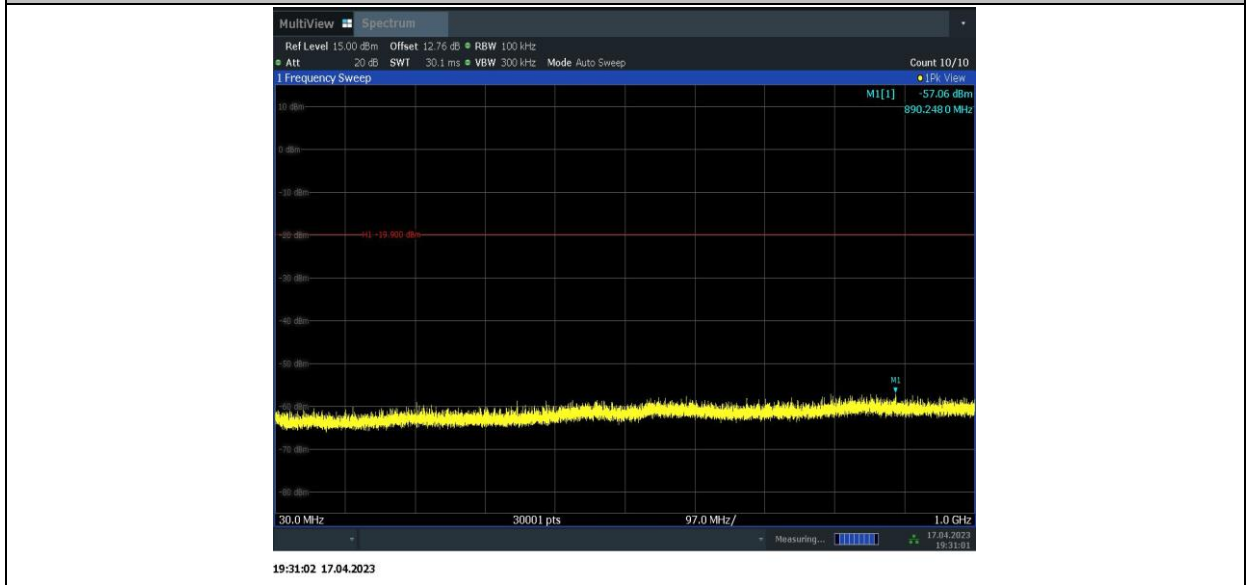
11BE20MIMO_Ant1_2437_106+26_2_1000~26500



11BE20MIMO_Ant1_2437_52+26_1_0~Reference



11BE20MIMO_Ant1_2437_52+26_1_30~1000



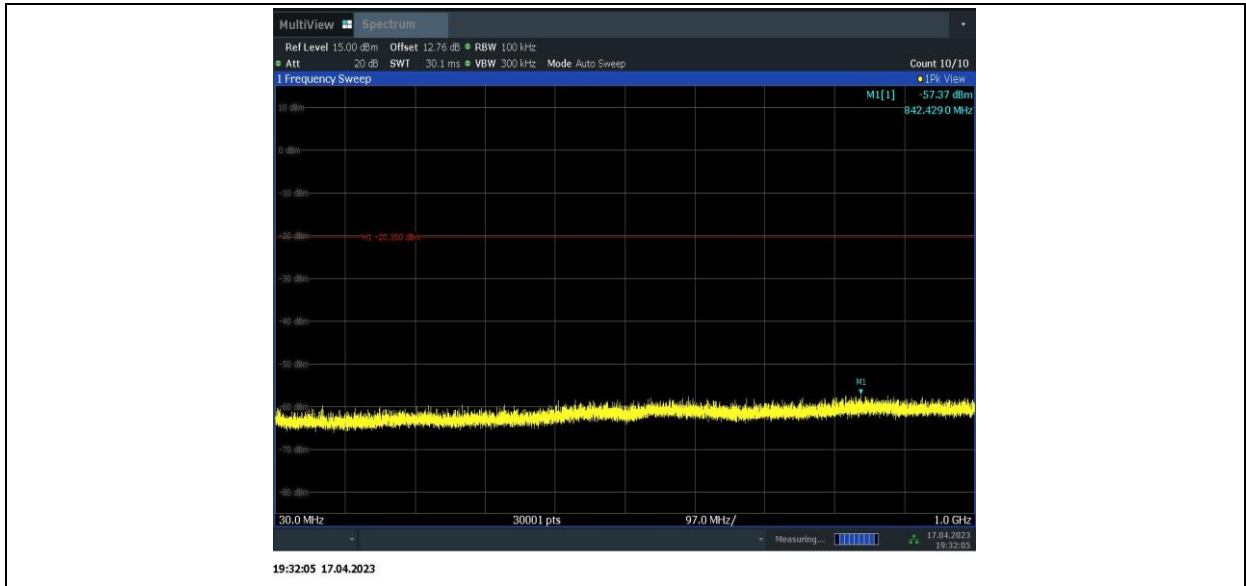
11BE20MIMO_Ant1_2437_52+26_1_1000~26500



11BE20MIMO_Ant1_2437_52+26_3_0~Reference



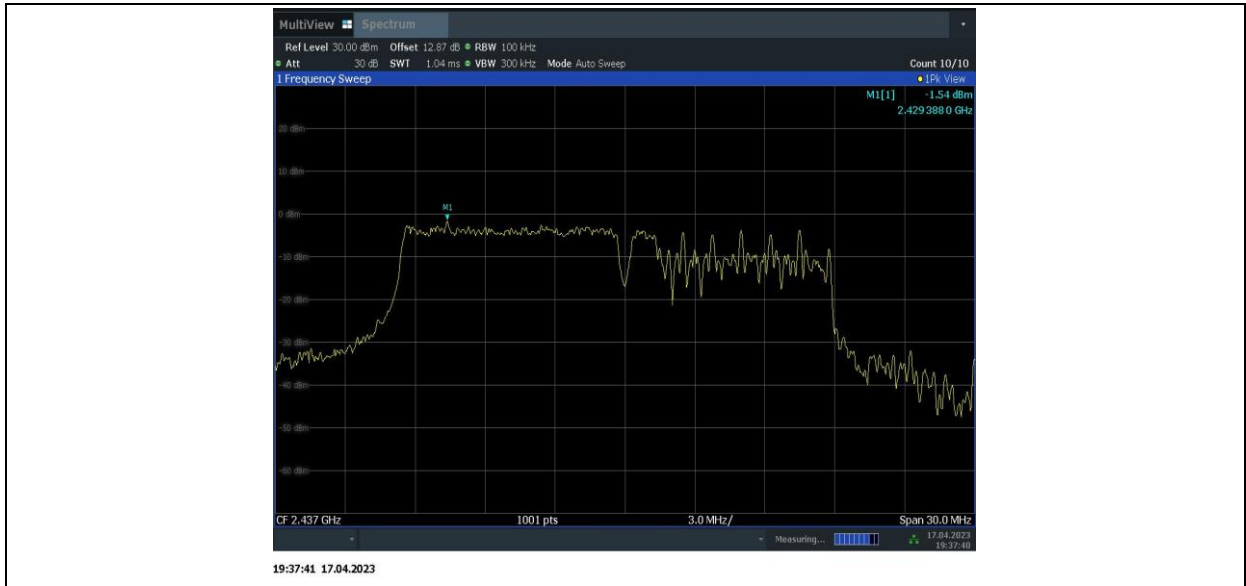
11BE20MIMO_Ant1_2437_52+26_3_30~1000



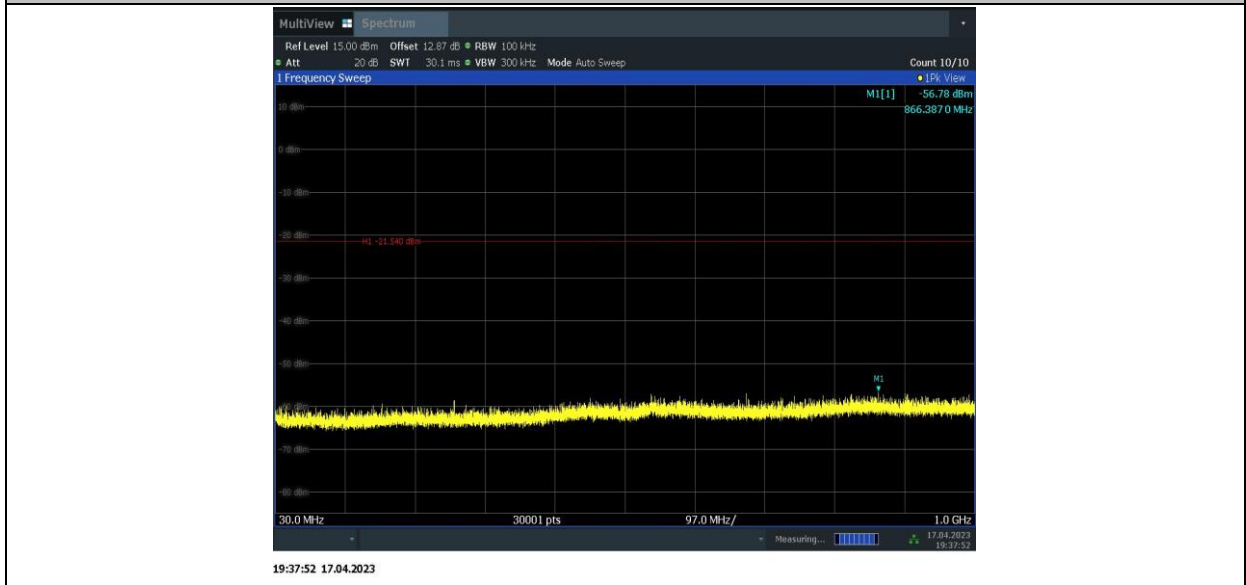
11BE20MIMO_Ant1_2437_52+26_3_1000~26500



11BE20MIMO_Ant2_2437_106+26_1_0~Reference



11BE20MIMO_Ant2_2437_106+26_1_30~1000



11BE20MIMO_Ant2_2437_106+26_1_1000~26500



11BE20MIMO_Ant2_2437_106+26_2_0~Reference



11BE20MIMO_Ant2_2437_106+26_2_30~1000



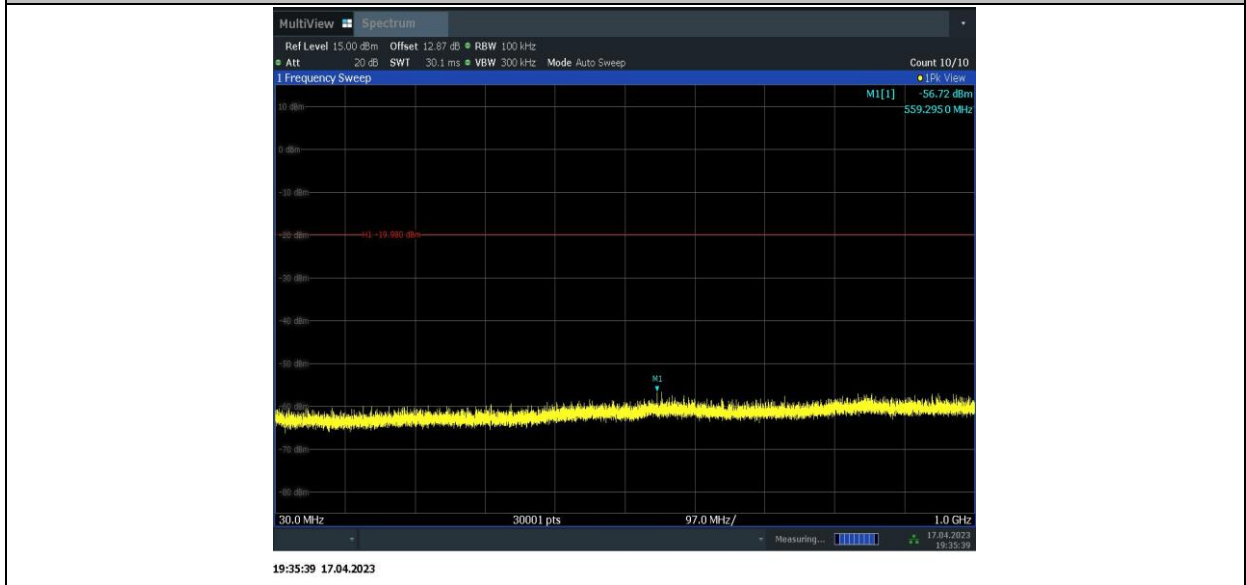
11BE20MIMO_Ant2_2437_106+26_2_1000~26500



11BE20MIMO_Ant2_2437_52+26_1_0~Reference



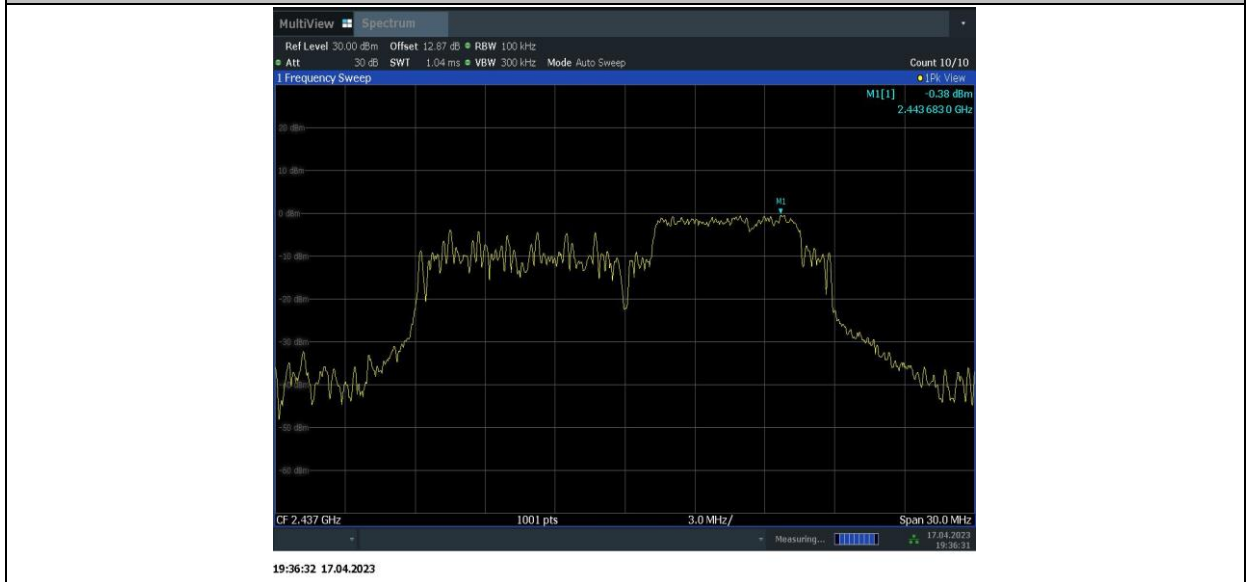
11BE20MIMO_Ant2_2437_52+26_1_30~1000



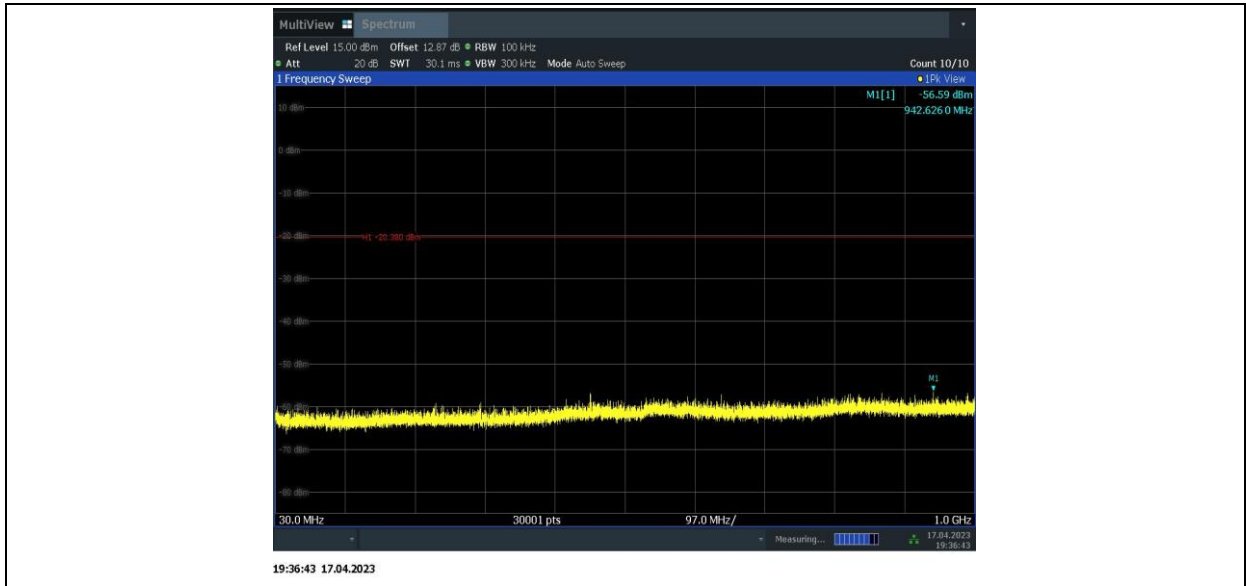
11BE20MIMO_Ant2_2437_52+26_1_1000~26500



11BE20MIMO_Ant2_2437_52+26_3_0~Reference



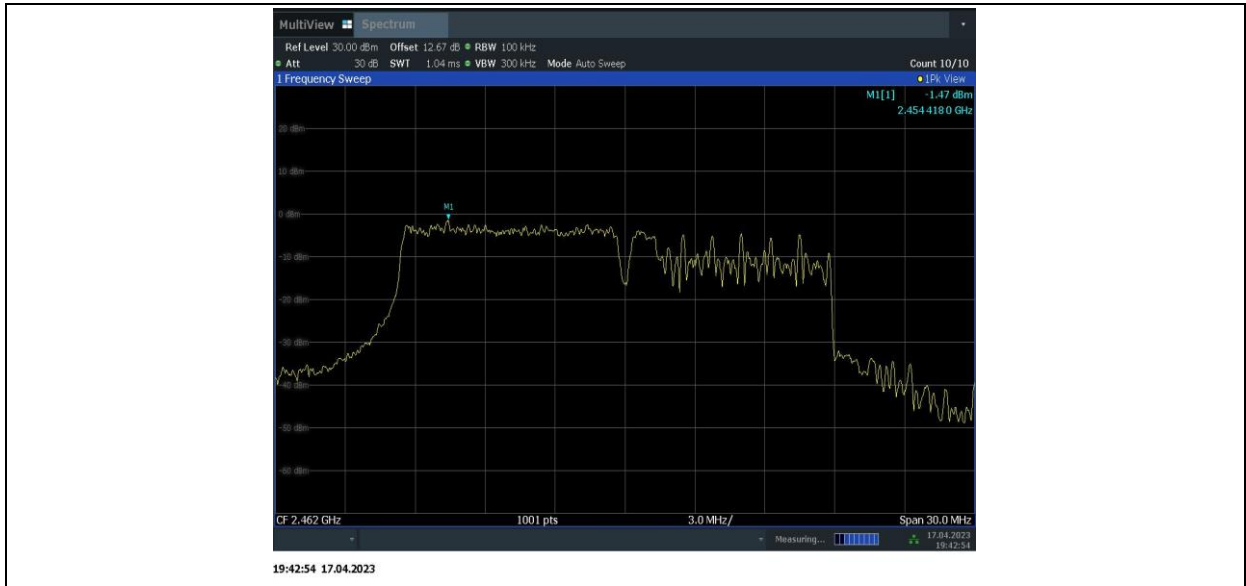
11BE20MIMO_Ant2_2437_52+26_3_30~1000



11BE20MIMO_Ant2_2437_52+26_3_1000~26500



11BE20MIMO_Ant1_2462_106+26_1_0~Reference



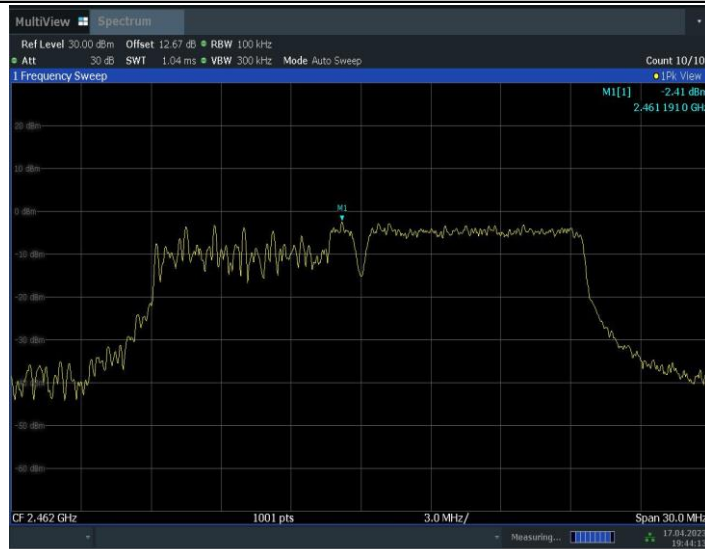
11BE20MIMO_Ant1_2462_106+26_1_30~1000



11BE20MIMO_Ant1_2462_106+26_1_1000~26500



11BE20MIMO_Ant1_2462_106+26_2_0~Reference



11BE20MIMO_Ant1_2462_106+26_2_30~1000



11BE20MIMO_Ant1_2462_106+26_2_1000~26500



11BE20MIMO_Ant1_2462_52+26_1_0~Reference



11BE20MIMO_Ant1_2462_52+26_1_30~1000

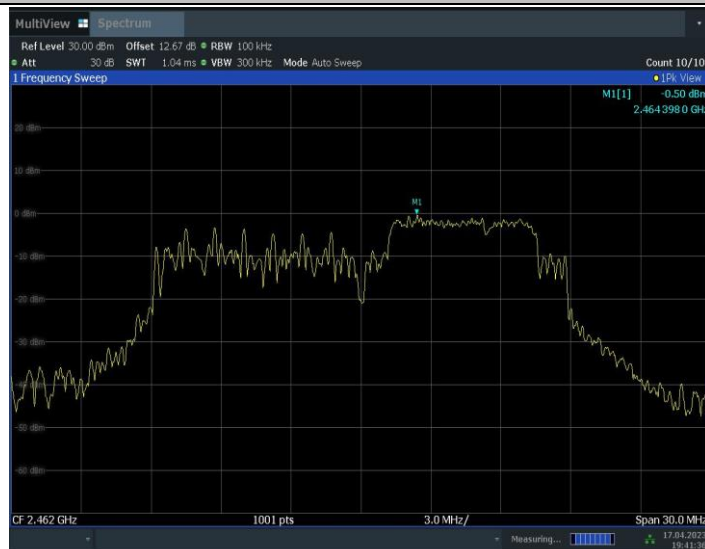


11BE20MIMO_Ant1_2462_52+26_1_1000~26500



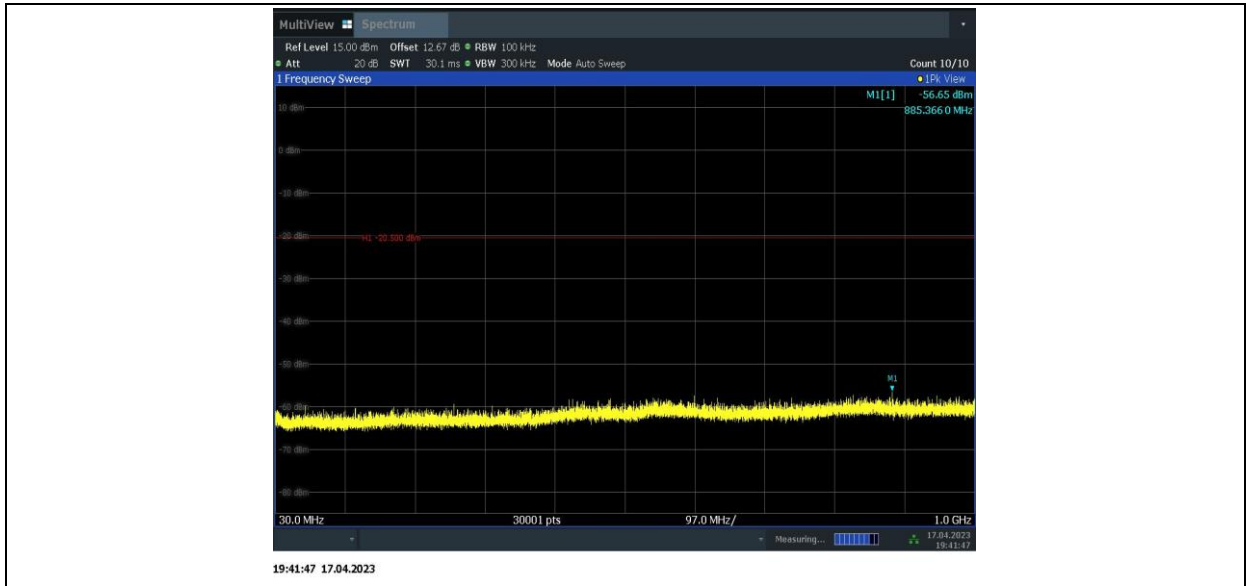
19:41:02 17.04.2023

11BE20MIMO_Ant1_2462_52+26_3_0~Reference



19:41:36 17.04.2023

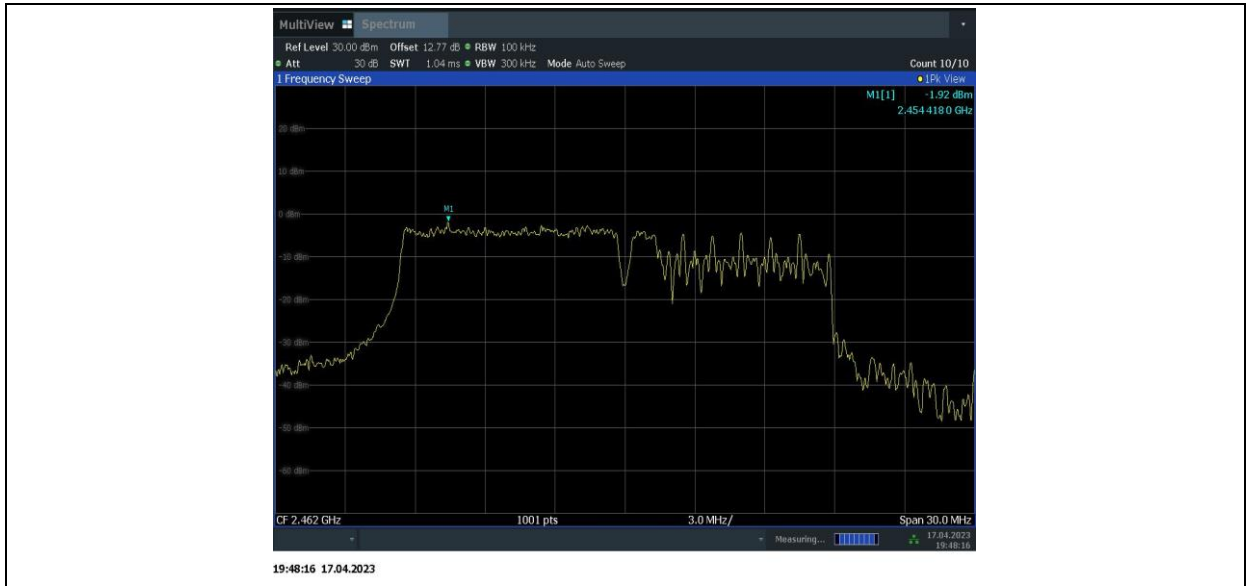
11BE20MIMO_Ant1_2462_52+26_3_30~1000



11BE20MIMO_Ant1_2462_52+26_3_1000~26500



11BE20MIMO_Ant2_2462_106+26_1_0~Reference



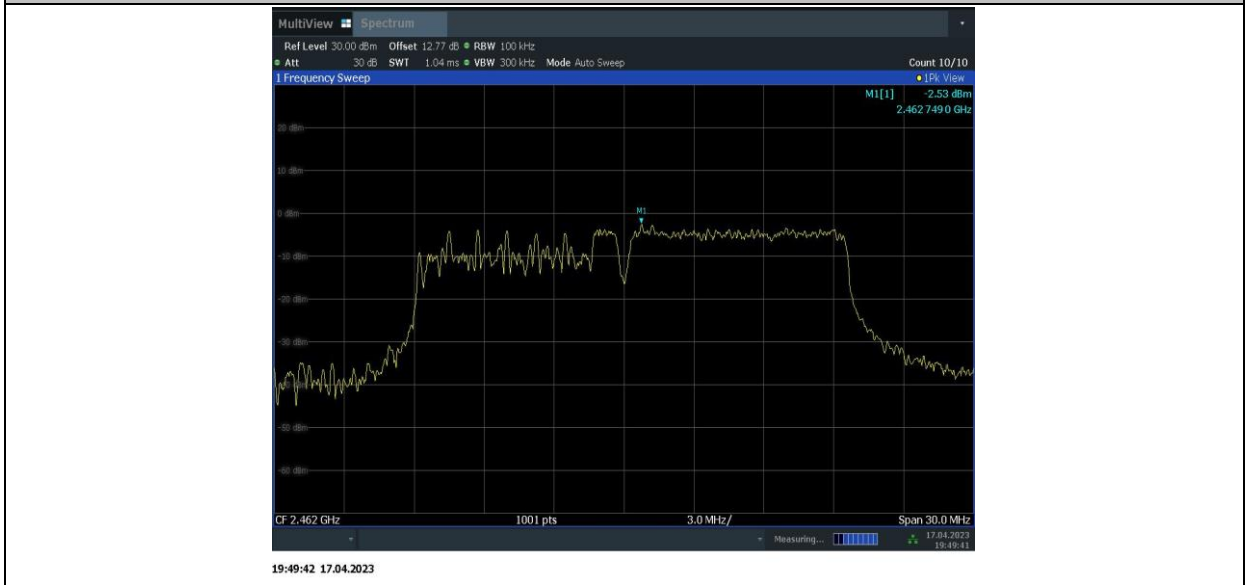
11BE20MIMO_Ant2_2462_106+26_1_30~1000



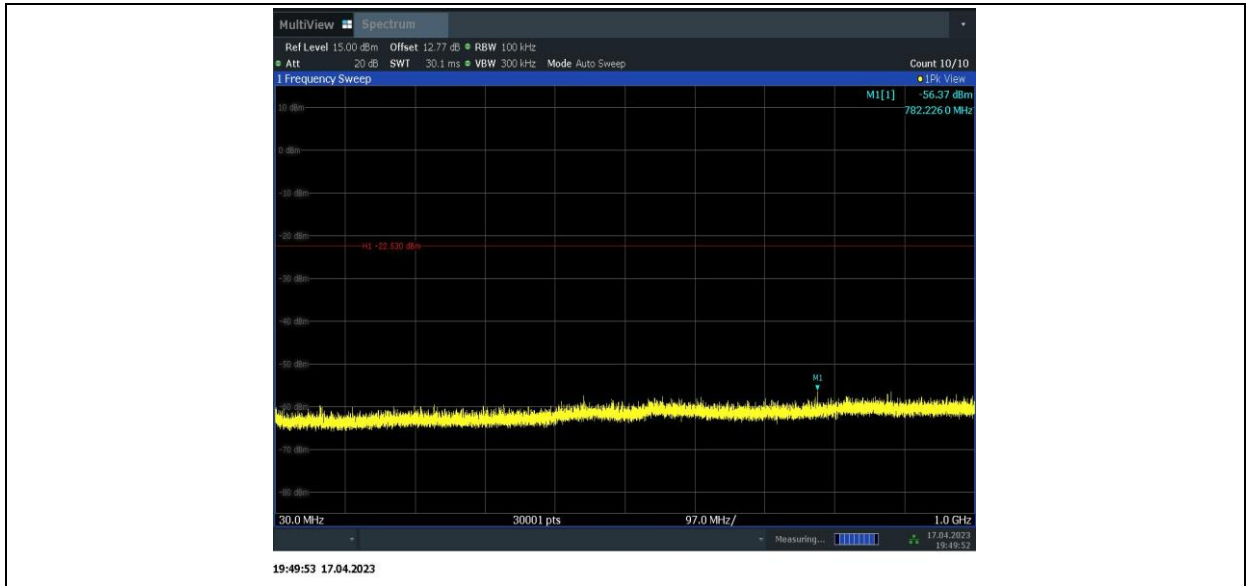
11BE20MIMO_Ant2_2462_106+26_1_1000~26500



11BE20MIMO_Ant2_2462_106+26_2_0~Reference



11BE20MIMO_Ant2_2462_106+26_2_30~1000



11BE20MIMO_Ant2_2462_106+26_2_1000~26500



11BE20MIMO_Ant2_2462_52+26_1_0~Reference



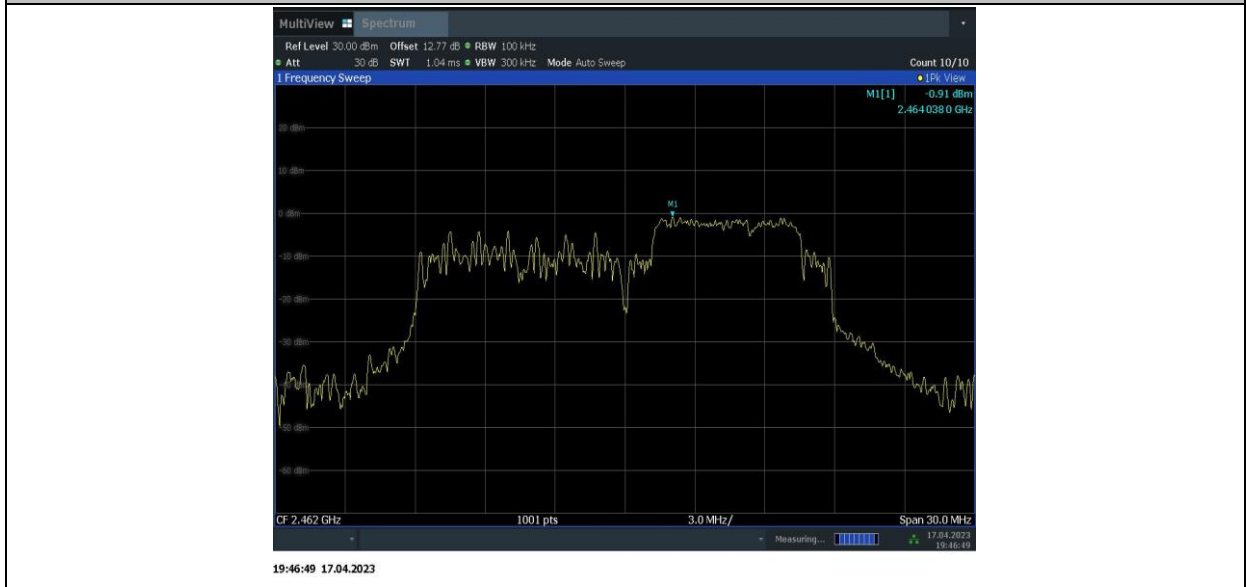
11BE20MIMO_Ant2_2462_52+26_1_30~1000



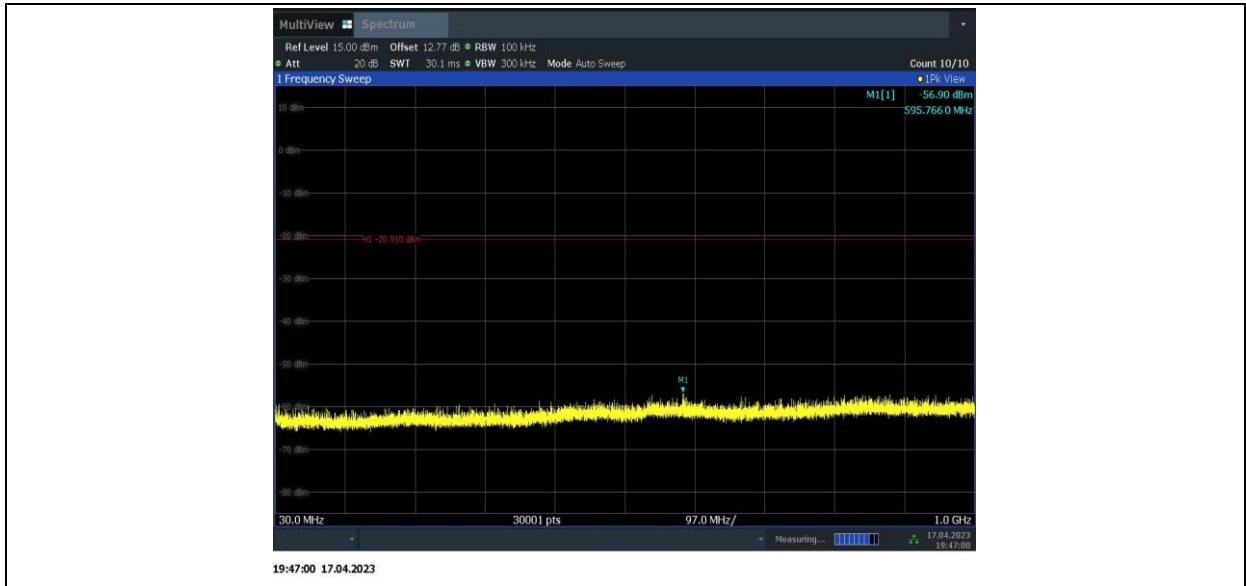
11BE20MIMO_Ant2_2462_52+26_1_1000~26500



11BE20MIMO_Ant2_2462_52+26_3_0~Reference



11BE20MIMO_Ant2_2462_52+26_3_30~1000



11BE20MIMO_Ant2_2462_52+26_3_1000~26500



Conclusion: Pass

A.6.2 Transmitter Spurious Emission - Radiated

Method of Measurement: See ANSI C63.10-2013-clause 6.4 & 6.5 & 6.6

Measurement Limit:

Standard	Limit
FCC 47 CFR Part 15.247, 15.205, 15.209	20dB below peak output power

In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c)).

Limit in restricted band:

Frequency of emission (MHz)	Field strength(uV/m)	Field strength(dBuV/m)
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960	500	54

Frequency (MHz)	Field strength(μV/m)	Measurement distance (m)
0.009 - 0.490	2400/F(kHz)	300
0.490 - 1.705	24000/F(kHz)	30
1.705 – 30.0	30	30

Test Condition

The EUT was placed on a non-conductive table. The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.

Frequency of emission (MHz)	RBW/VBW	Sweep Time(s)
30-1000	100KHz/300KHz	5
1000-4000	1MHz/3MHz	15
4000-18000	1MHz/3MHz	40
18000-26500	1MHz/3MHz	20

EUT ID: UT15a

Measurement results for Set.1:
802.11b mode

Mode	Channel	Test Results	Conclusion
802.11b	1	Fig.A.6.2.1	P
	11	Fig.A.6.2.2	P

802.11g mode

Mode	Channel	Test Results	Conclusion
802.11g	1	Fig.A.6.2.3	P
	11	Fig.A.6.2.4	P

802.11n-HT20 mode

Mode	Channel	Test Results	Conclusion
802.11n (HT20)	1	Fig.A.6.2.5	P
	11	Fig.A.6.2.6	P

802.11n-HT40 mode

Mode	Channel	Test Results	Conclusion
802.11n (HT40)	3	Fig.A.6.2.7	P
	9	Fig.A.6.2.8	P

802.11ac-HT20 mode

Mode	Channel	Test Results	Conclusion
802.11ac (HT20)	1	Fig.A.6.2.9	P
	11	Fig.A.6.2.10	P

802.11ac-HT40 mode

Mode	Channel	Test Results	Conclusion
802.11ac (HT40)	3	Fig.A.6.2.11	P
	9	Fig.A.6.2.12	P

802.11ax-HT20 mode full RU

Mode	Channel	Test Results	Conclusion
802.11ax (HT20)	1	Fig.A.6.2.13	P
	11	Fig.A.6.2.14	P

802.11ax-HT40 mode full RU

Mode	Channel	Test Results	Conclusion
802.11ax (HT40)	3	Fig.A.6.2.15	P
	9	Fig.A.6.2.16	P

802.11be-HT20 mode full RU

Mode	Channel	Test Results	Conclusion
802.11be (HT20)	1	Fig.A.6.2.17	P
	11	Fig.A.6.2.18	P