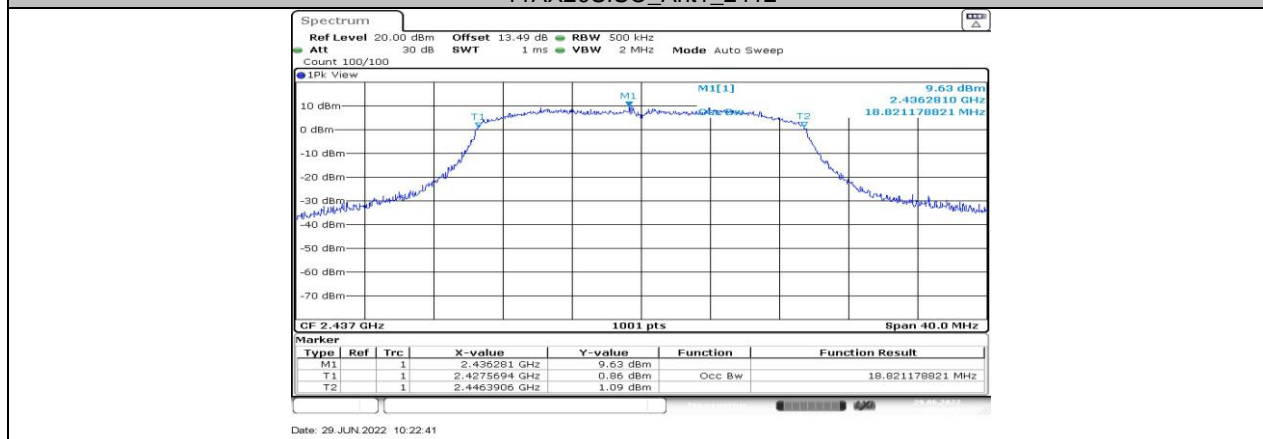


11N40SISO_Ant1_2452



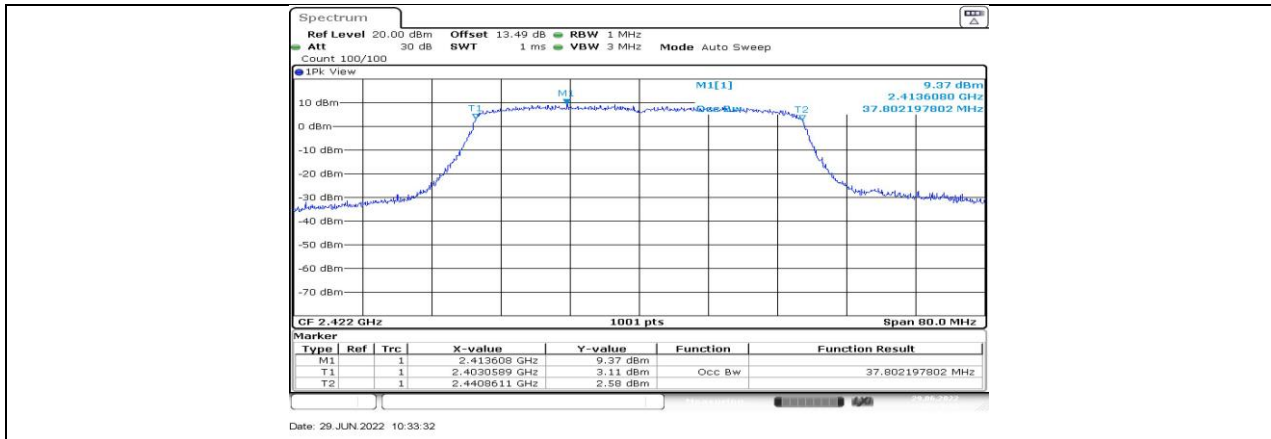
11AX20SISO_Ant1_2412



11AX20SISO_Ant1_2437



11AX20SISO_Ant1_2462



11AX40SISO_Ant1_2452



11.3. APPENDIX C: MAXIMUM CONDUCTED AVG OUTPUT POWER

11.3.1. Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	13.91	≤30.00	PASS
		2437	14.81	≤30.00	PASS
		2462	14.53	≤30.00	PASS
11G	Ant1	2412	13.53	≤30.00	PASS
		2437	12.58	≤30.00	PASS
		2462	12.27	≤30.00	PASS
11N20SISO	Ant1	2412	13.42	≤30.00	PASS
		2437	12.49	≤30.00	PASS
		2462	12.36	≤30.00	PASS
11N40SISO	Ant1	2422	12.65	≤30.00	PASS
		2437	12.13	≤30.00	PASS
		2452	12.55	≤30.00	PASS
11AX20SISO	Ant1	2412	13.78	≤30.00	PASS
		2437	12.86	≤30.00	PASS
		2462	12.50	≤30.00	PASS
11AX40SISO	Ant1	2422	13.23	≤30.00	PASS
		2437	12.15	≤30.00	PASS
		2452	12.07	≤30.00	PASS

Note: 1. Conducted Power=Meas. Level+ Correction Factor

2. The Duty Cycle Factor (refer to section 7.5) had already compensated to the test data.



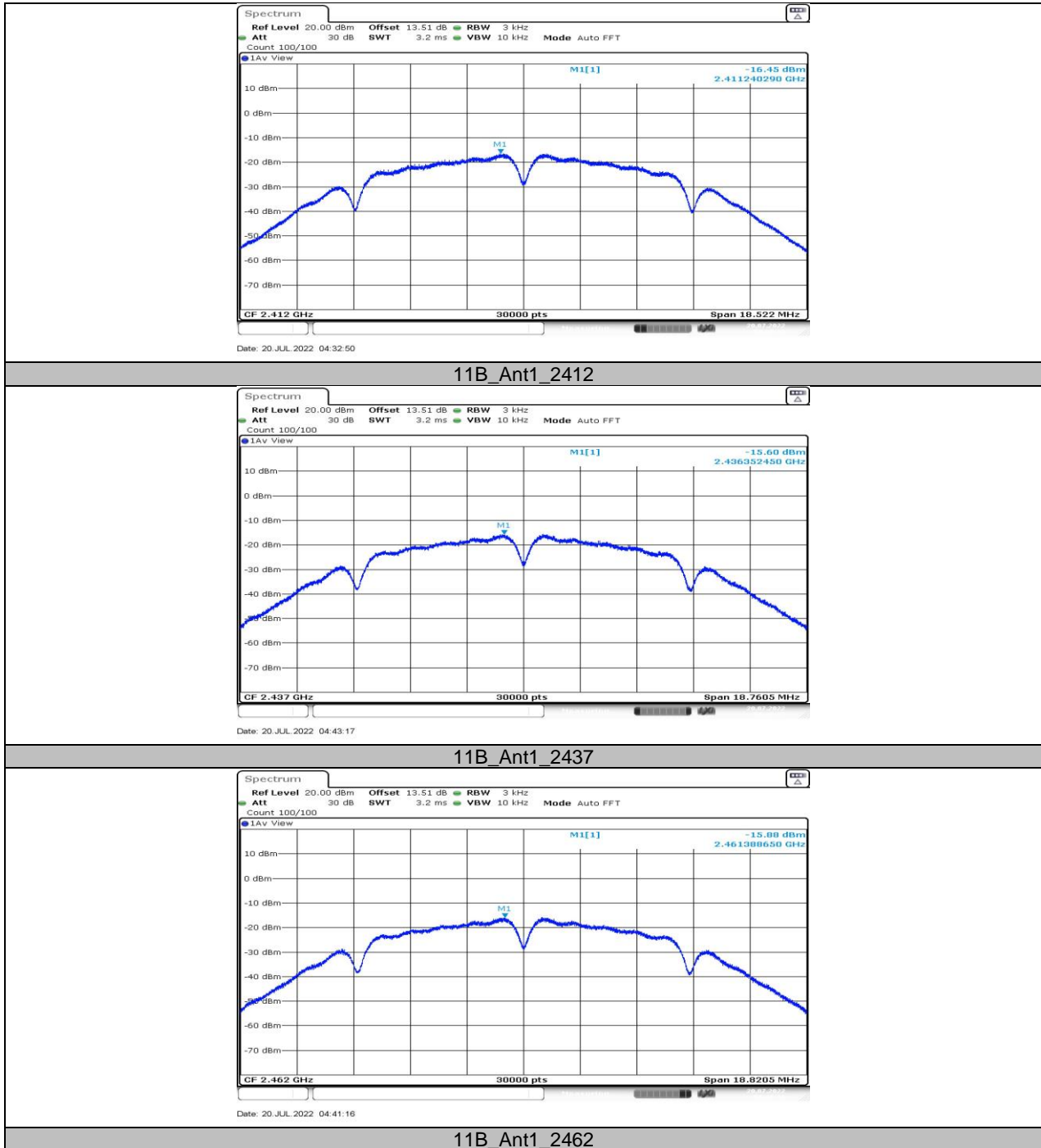
11.4. APPENDIX D: MAXIMUM POWER SPECTRAL DENSITY

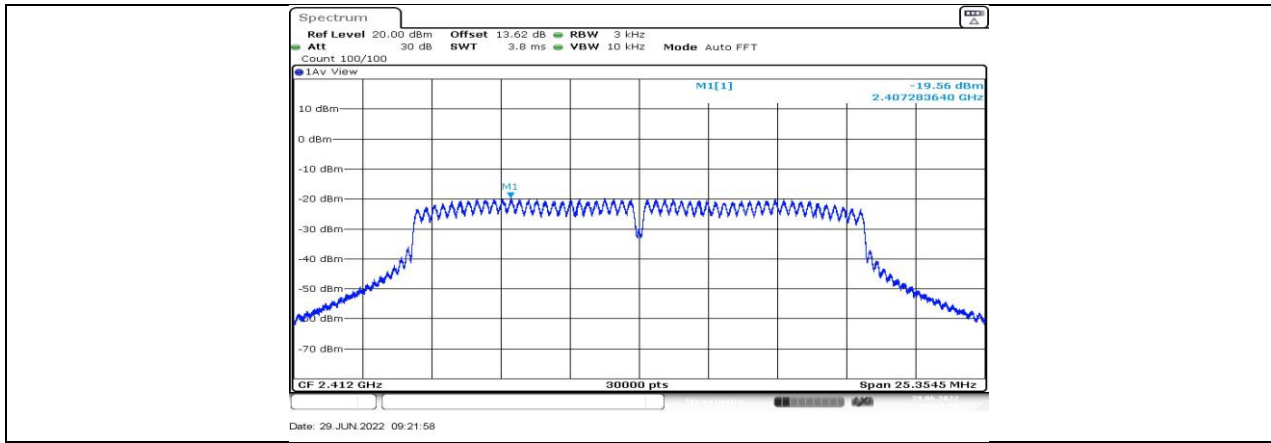
11.4.1. Test Result

Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-16.45	≤8.00	PASS
		2437	-15.6	≤8.00	PASS
		2462	-15.88	≤8.00	PASS
11G	Ant1	2412	-19.56	≤8.00	PASS
		2437	-20.9	≤8.00	PASS
		2462	-21.1	≤8.00	PASS
11N20SISO	Ant1	2412	-15.24	≤8.00	PASS
		2437	-16.85	≤8.00	PASS
		2462	-16.6	≤8.00	PASS
11N40SISO	Ant1	2422	-17.27	≤8.00	PASS
		2437	-18.11	≤8.00	PASS
		2452	-18.07	≤8.00	PASS
11AX20SISO	Ant1	2412	-14.8	≤8.00	PASS
		2437	-15.28	≤8.00	PASS
		2462	-16.09	≤8.00	PASS
11AX40SISO	Ant1	2422	-15.64	≤8.00	PASS
		2437	-16.58	≤8.00	PASS
		2452	-17.25	≤8.00	PASS

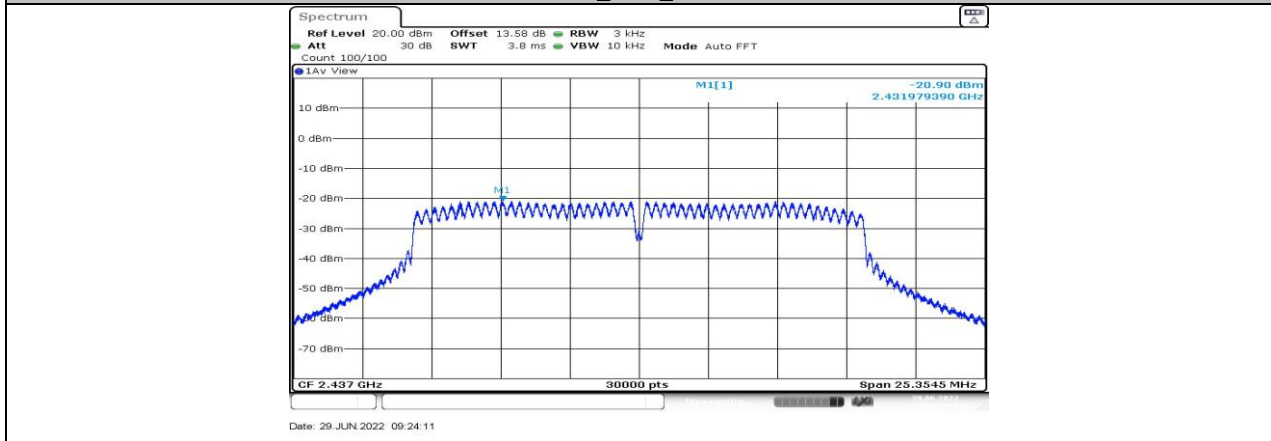
Note: The Duty Cycle Factor Factor is compensated in the graph.

11.4.2. Test Graphs

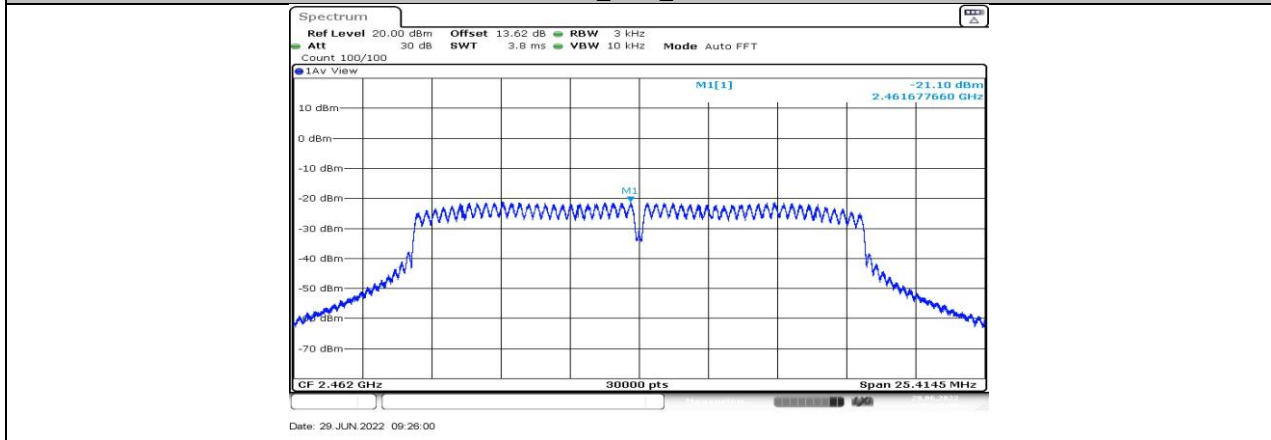




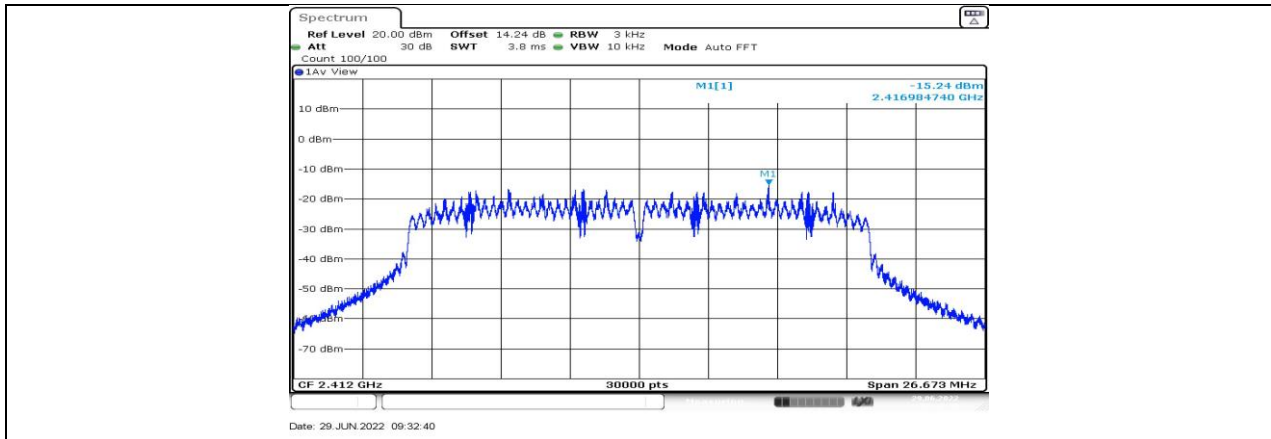
11G_Ant1_2412



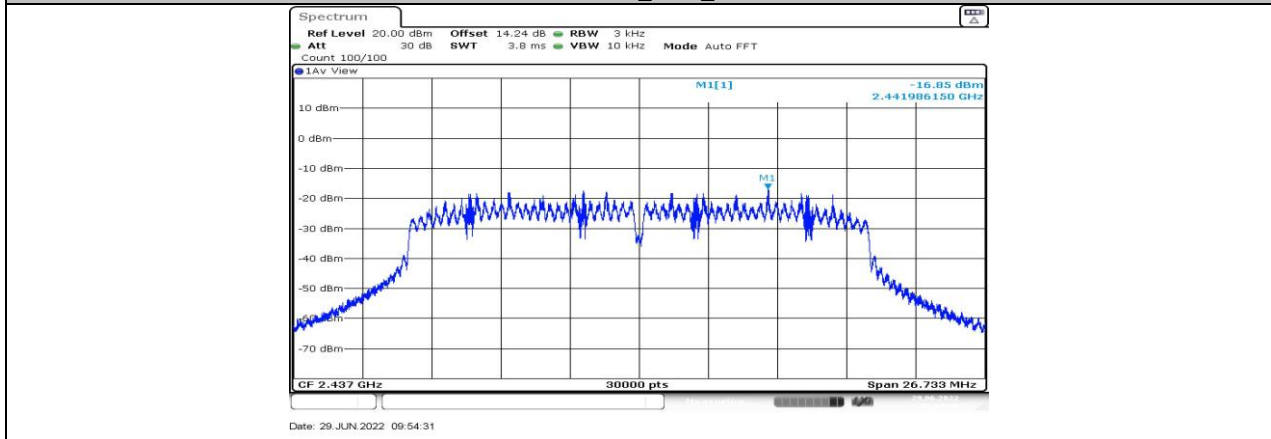
11G_Ant1_2437



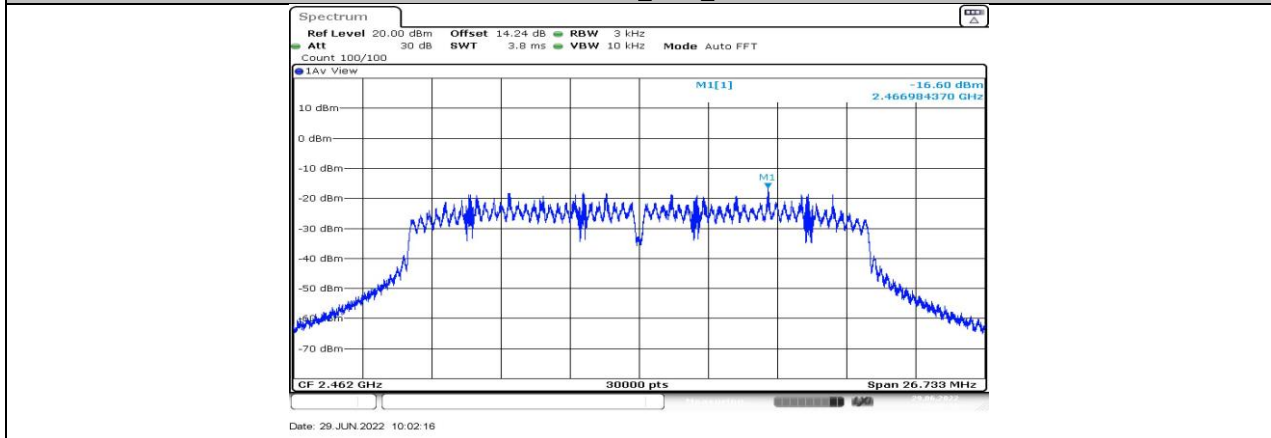
11G_Ant1_2462



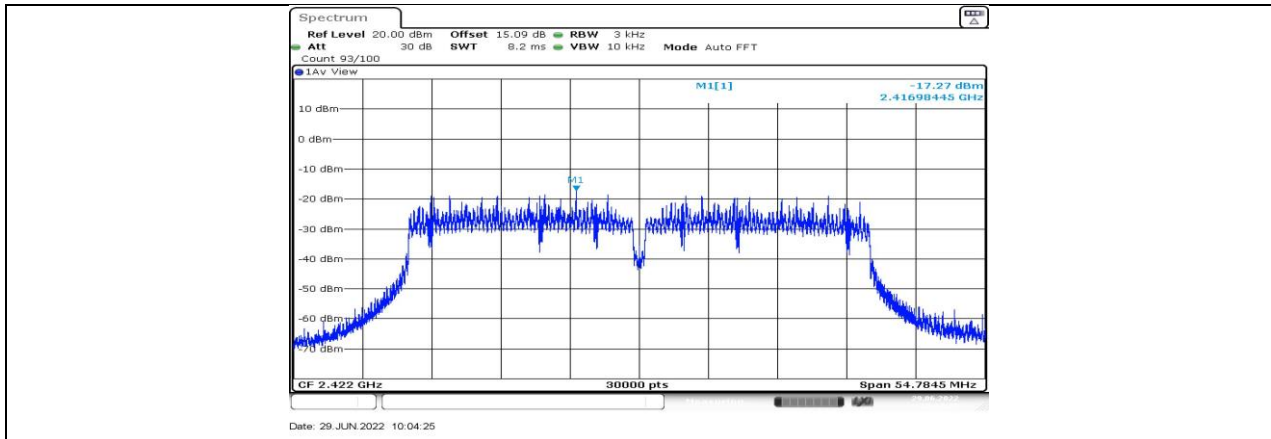
11N20SISO_Ant1_2412



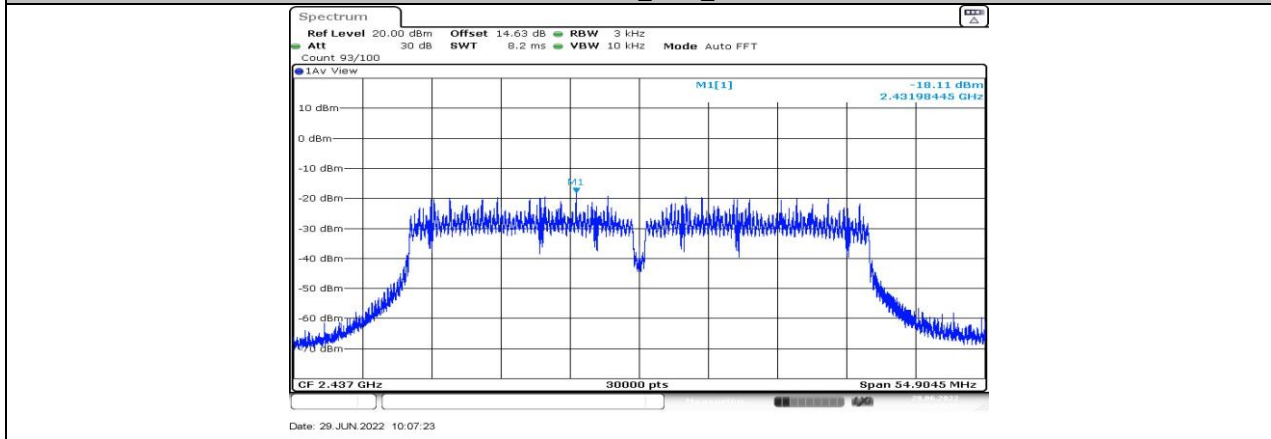
11N20SISO_Ant1_2437



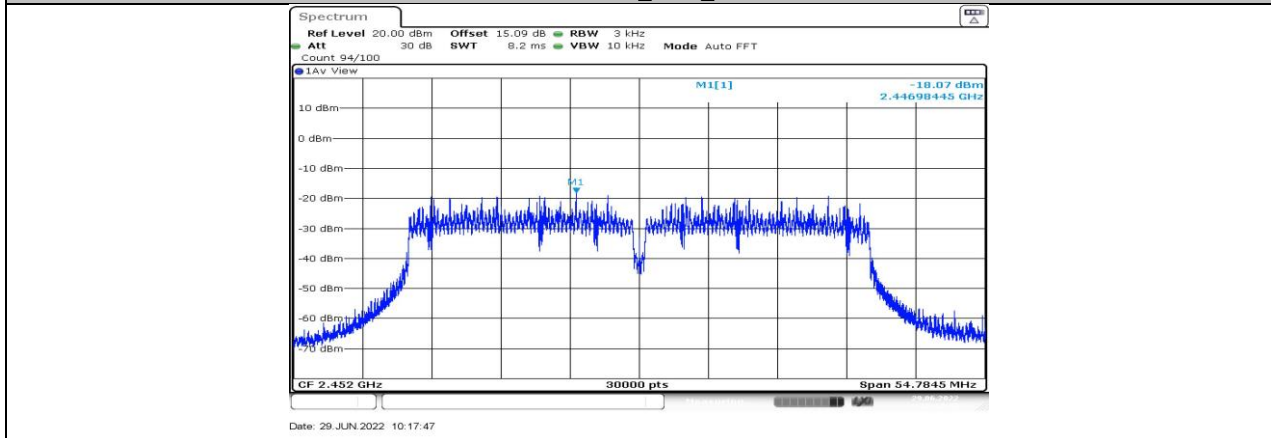
11N20SISO_Ant1_2462



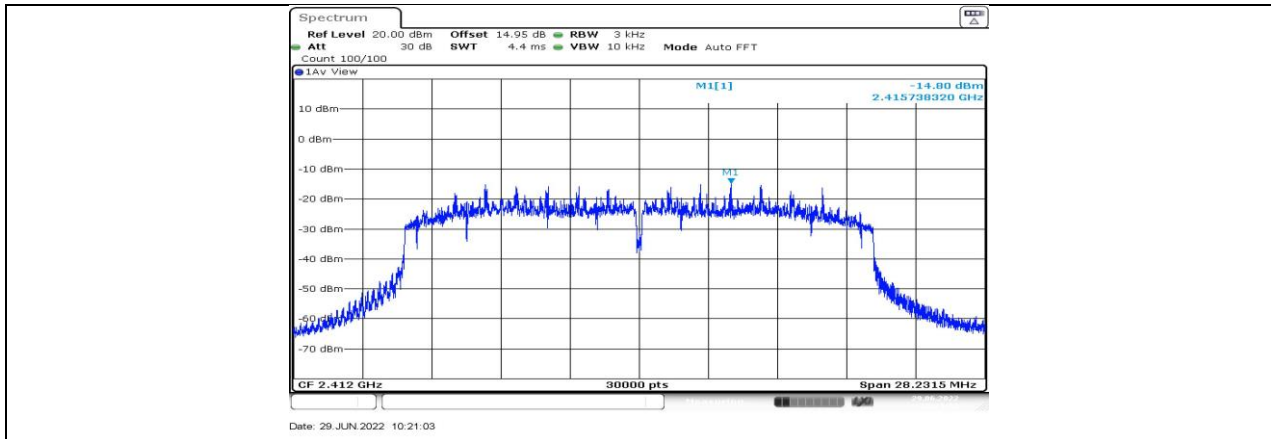
11N40SISO_Ant1_2422



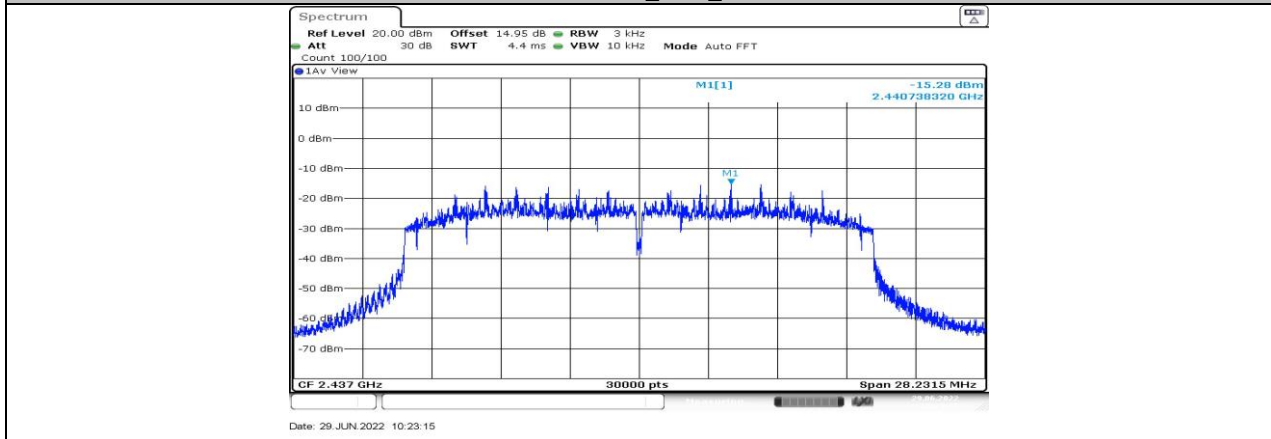
11N40SISO_Ant1_2437



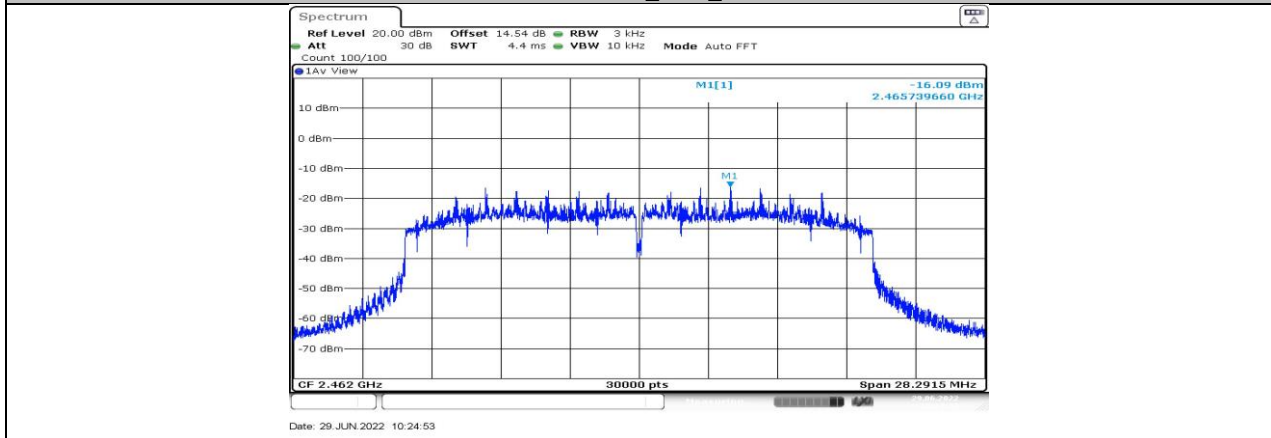
11N40SISO_Ant1_2452



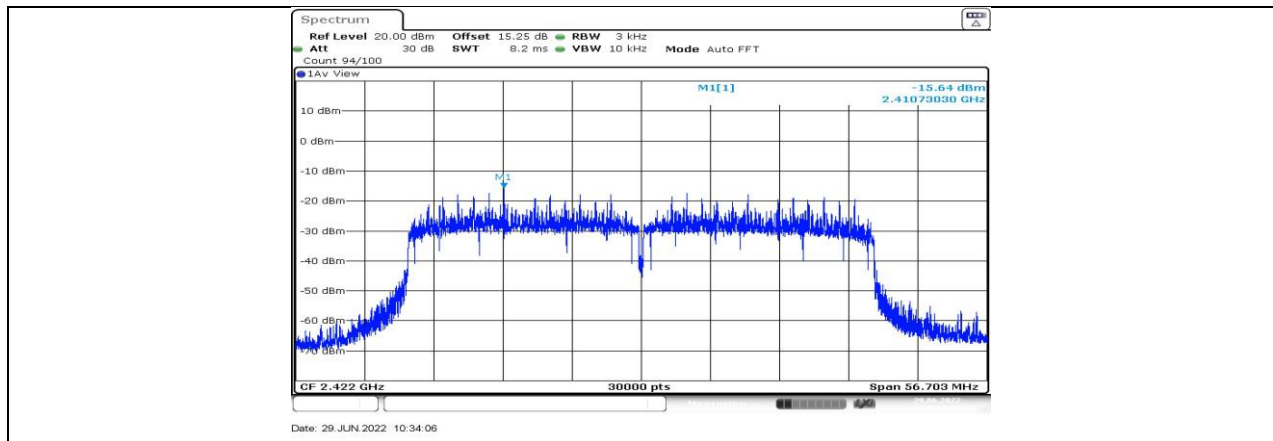
11AX20SISO_Ant1_2412



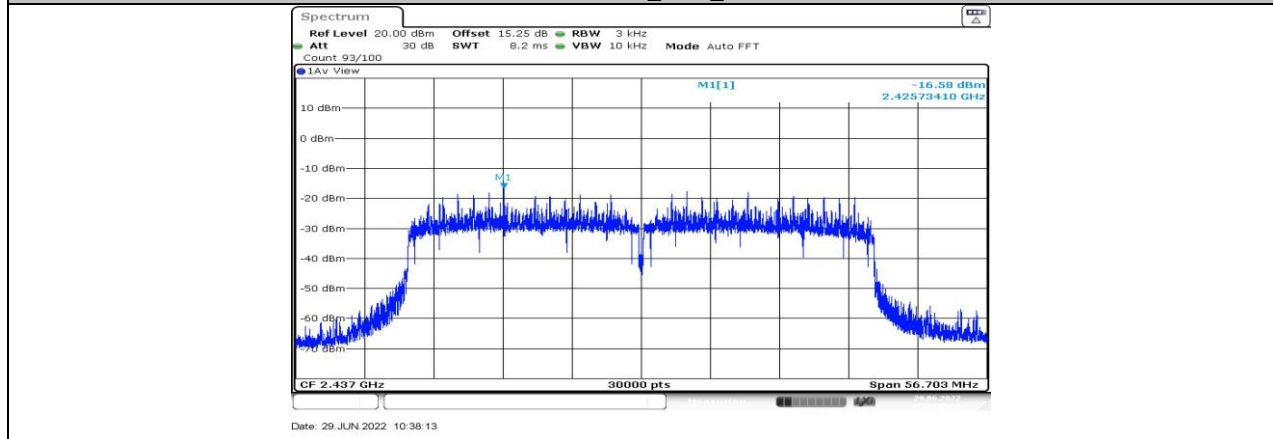
11AX20SISO_Ant1_2437



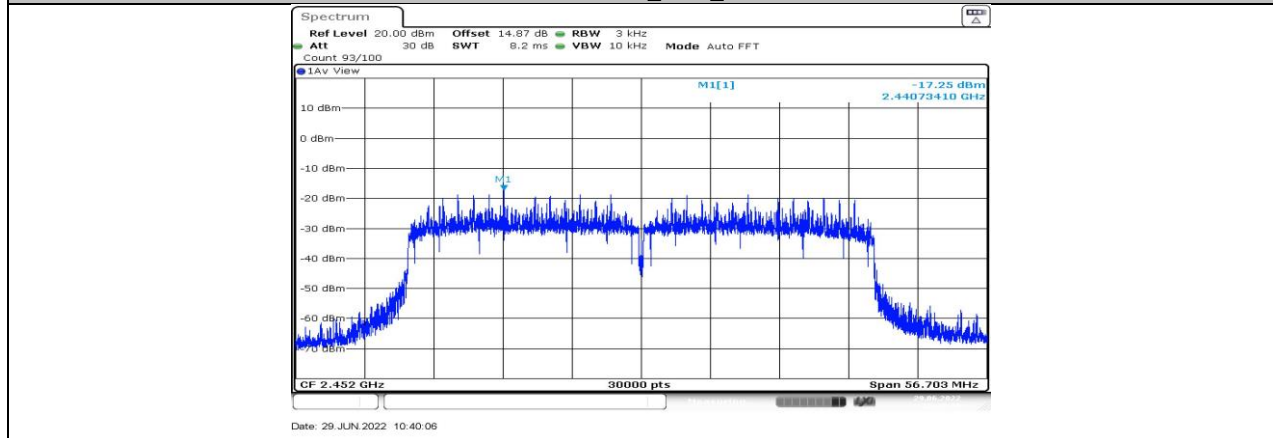
11AX20SISO_Ant1_2462



11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452

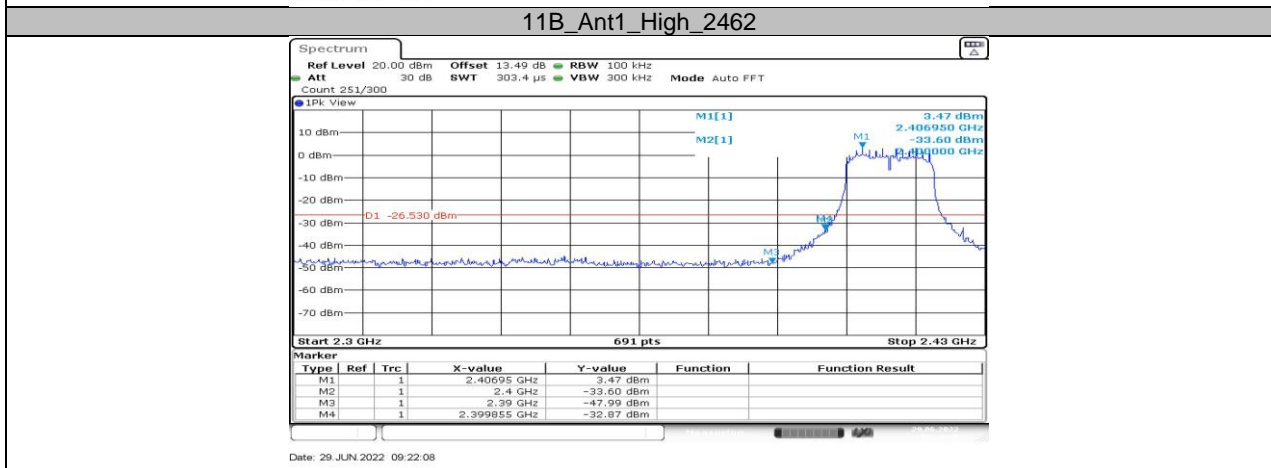
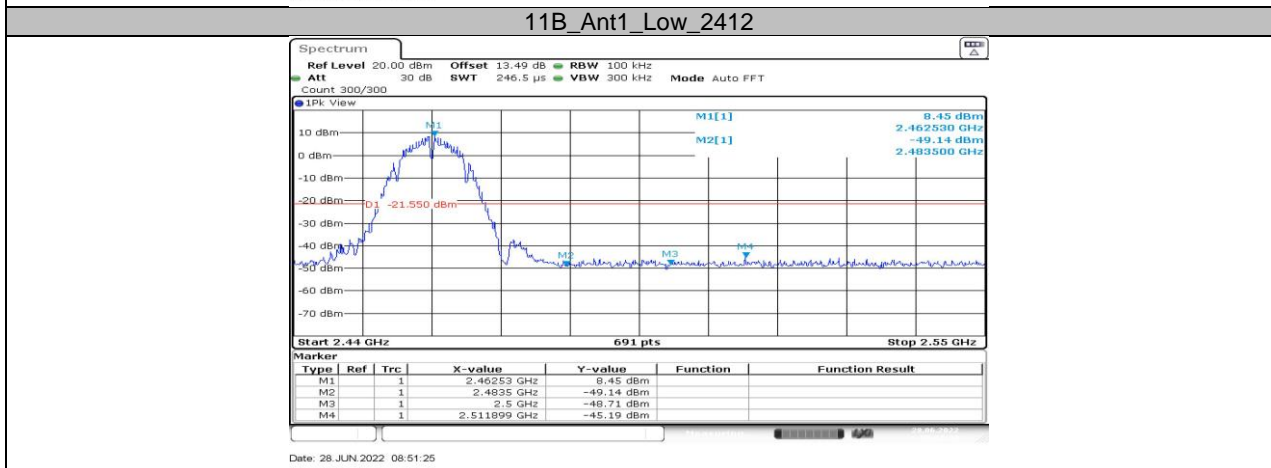
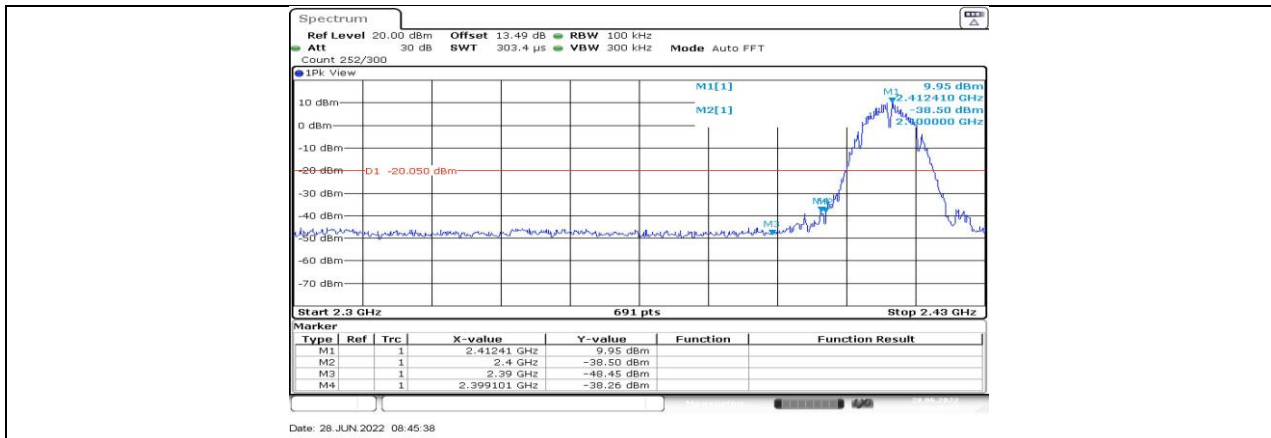


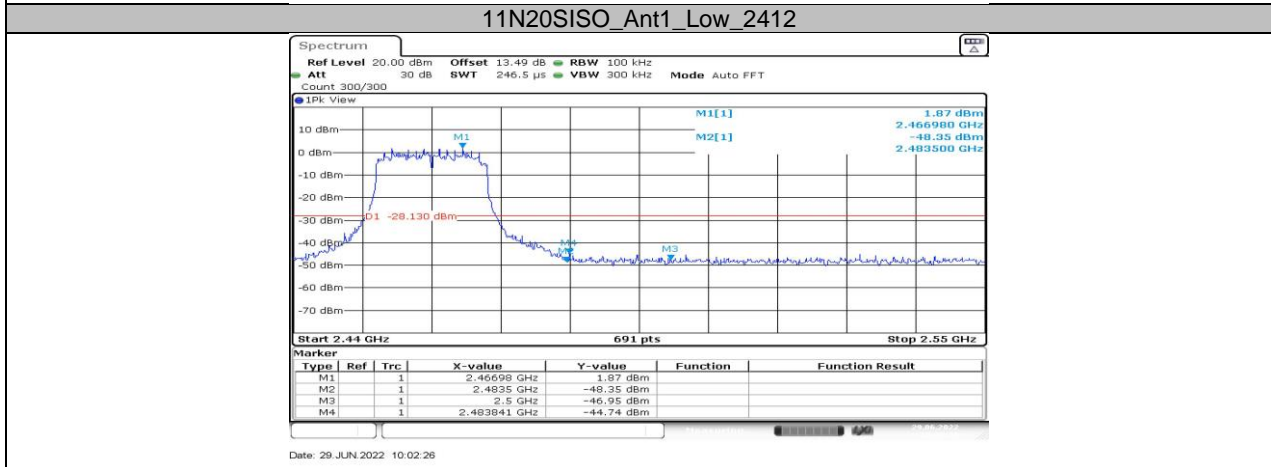
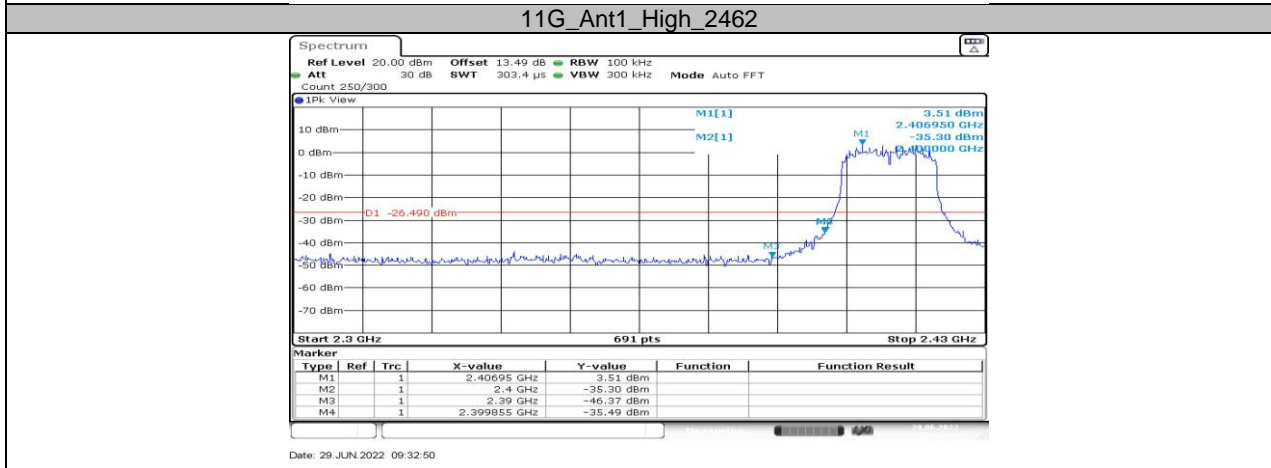
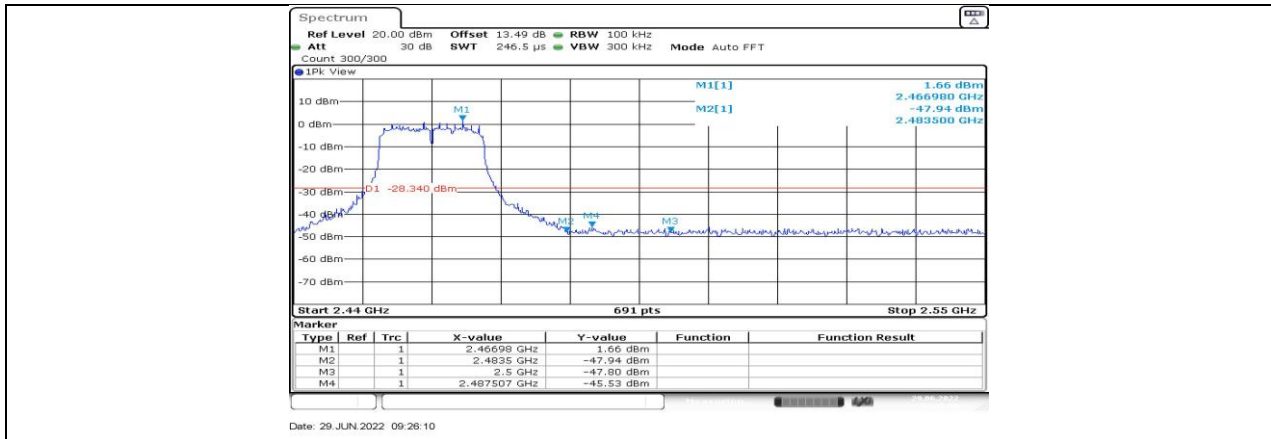
11.5. APPENDIX E: BAND EDGE MEASUREMENTS

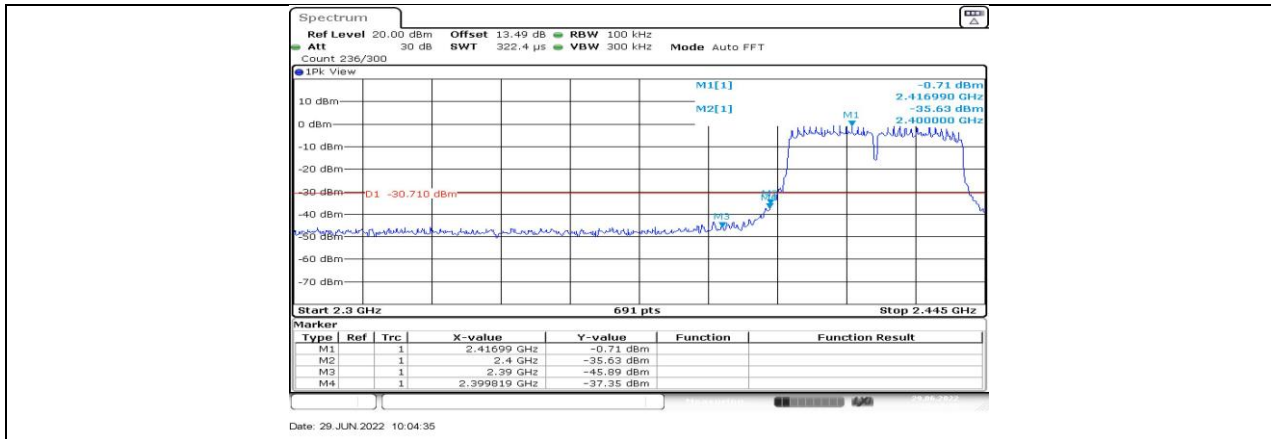
11.5.1. Test Result

Test Mode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	9.95	-38.26	≤-20.05	PASS
		High	2462	8.45	-45.19	≤-21.55	PASS
11G	Ant1	Low	2412	3.47	-32.87	≤-26.53	PASS
		High	2462	1.66	-45.53	≤-28.34	PASS
11N20 SISO	Ant1	Low	2412	3.51	-35.49	≤-26.49	PASS
		High	2462	1.87	-44.74	≤-28.13	PASS
11N40 SISO	Ant1	Low	2422	-0.71	-37.35	≤-30.71	PASS
		High	2452	-1.36	-39.96	≤-31.36	PASS
11AX20 SISO	Ant1	Low	2412	3.61	-36.01	≤-26.39	PASS
		High	2462	2.00	-45.19	≤-28	PASS
11AX40 SISO	Ant1	Low	2422	-0.59	-34.28	≤-30.59	PASS
		High	2452	-1.33	-39.55	≤-31.33	PASS

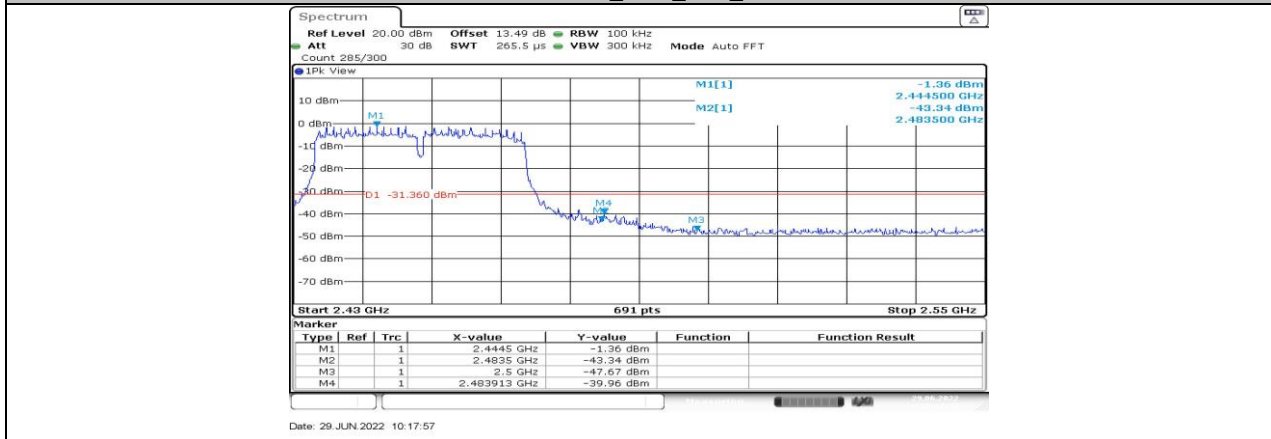
11.5.2. Test Graphs



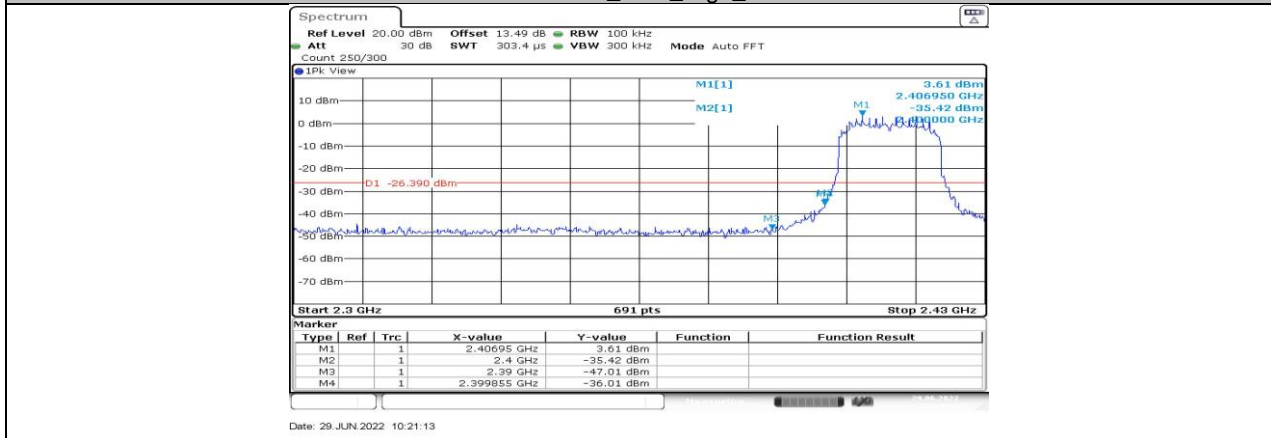




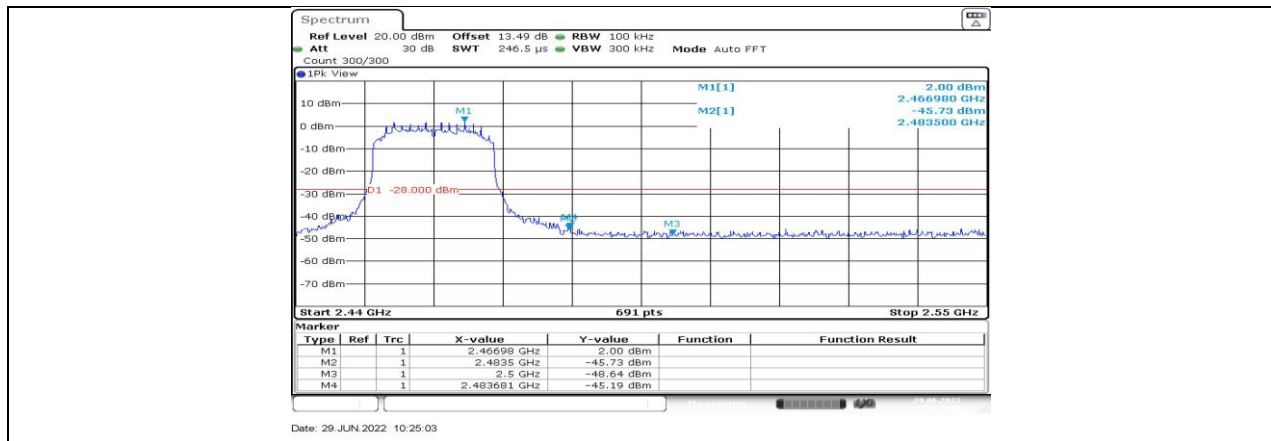
11N40SISO Ant1_Low_2422



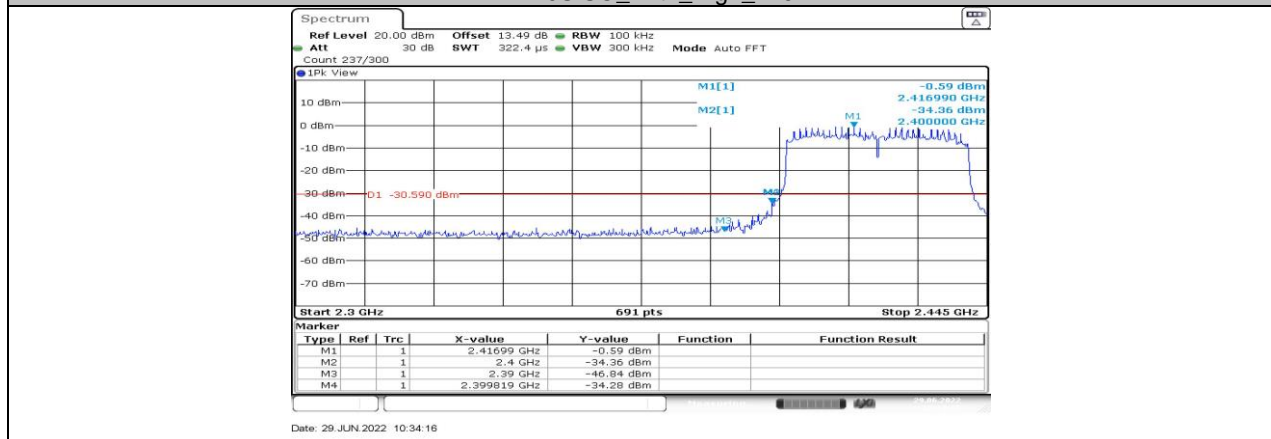
11N40SISO Ant1_High_2452



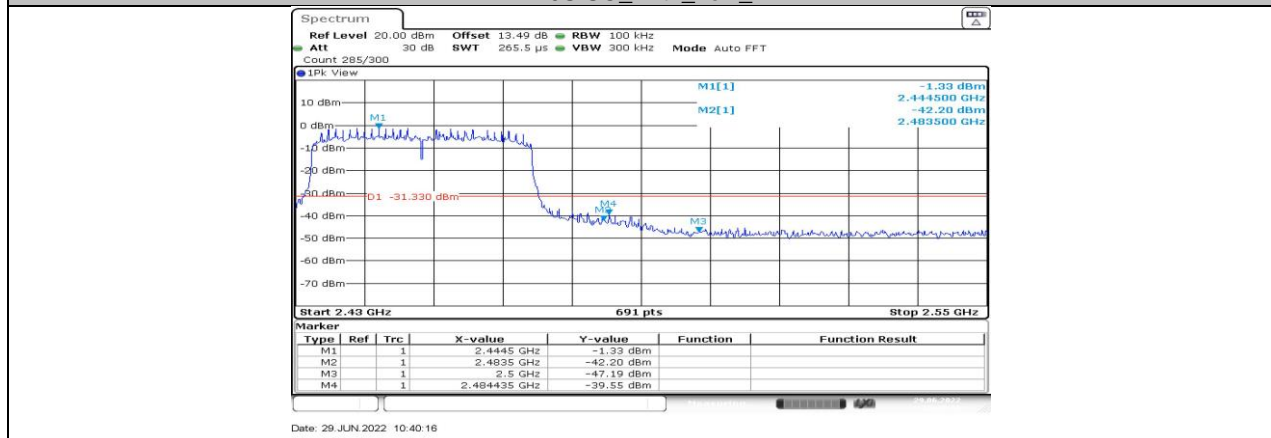
11AX20SISO Ant1_Low_2412



11AX20SISO_Ant1_High_2462



11AX40SISO_Ant1_Low_2422

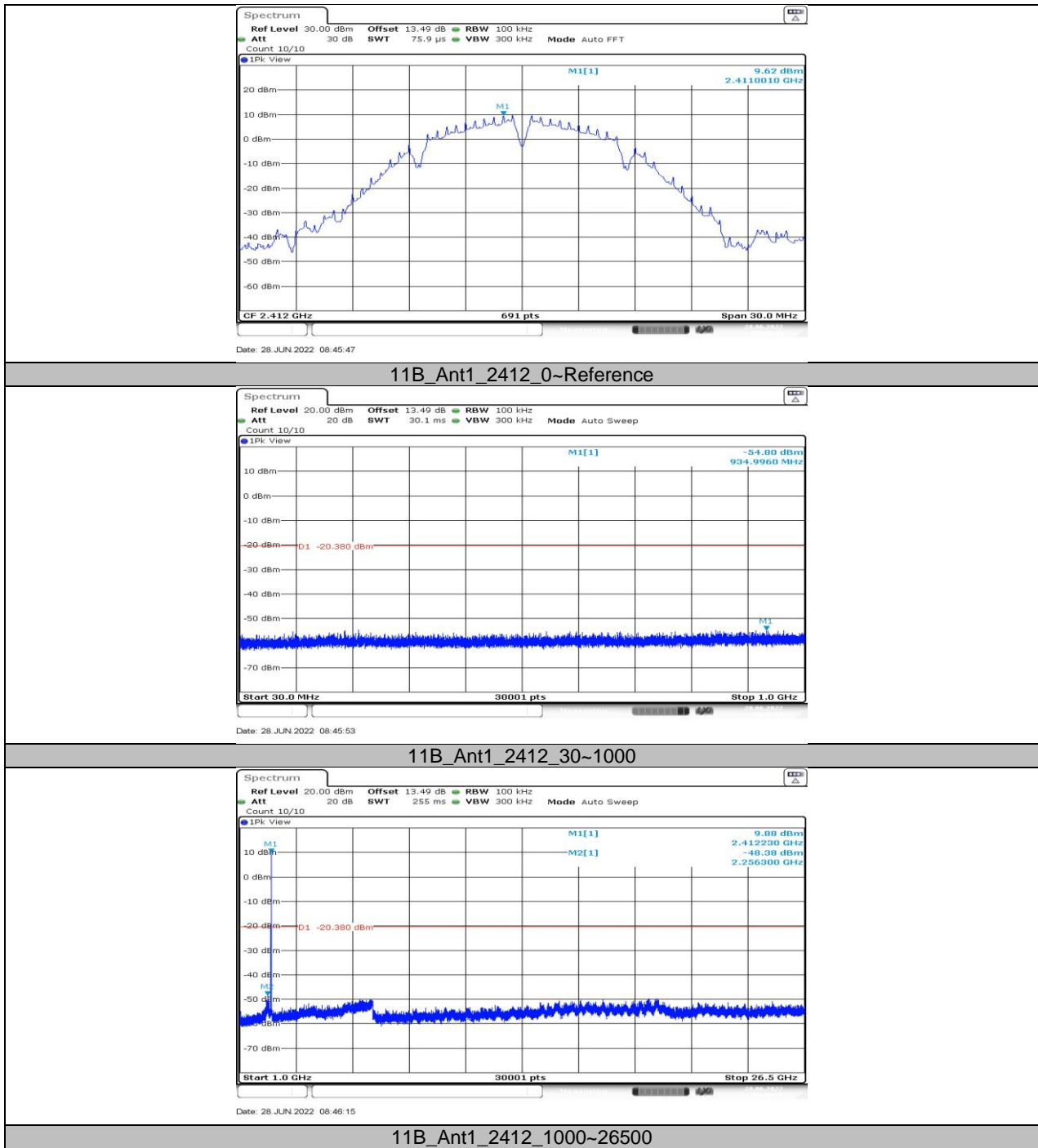


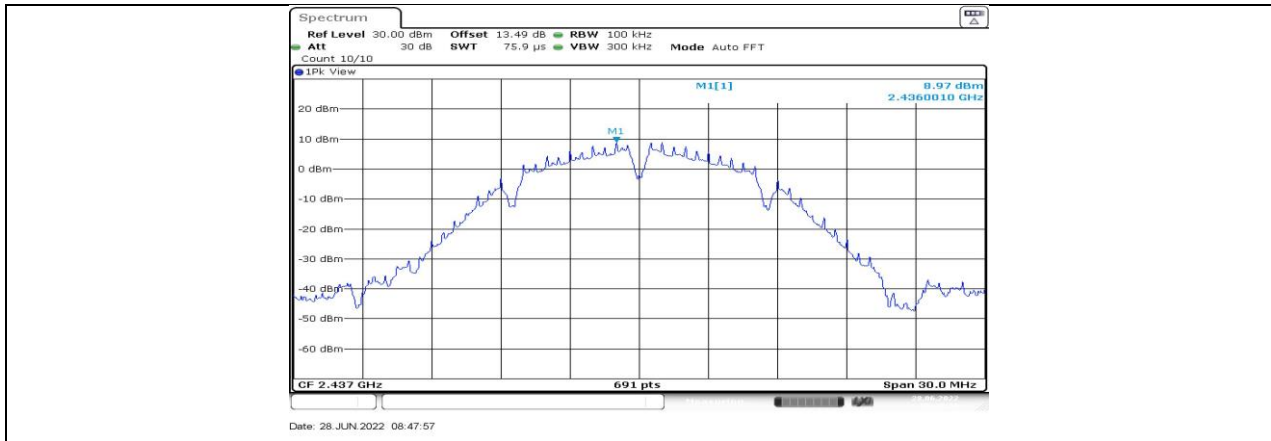
11AX40SISO_Ant1_High_2452

**11.6. APPENDIX F: CONDUCTED SPURIOUS EMISSION****11.6.1. Test Result**

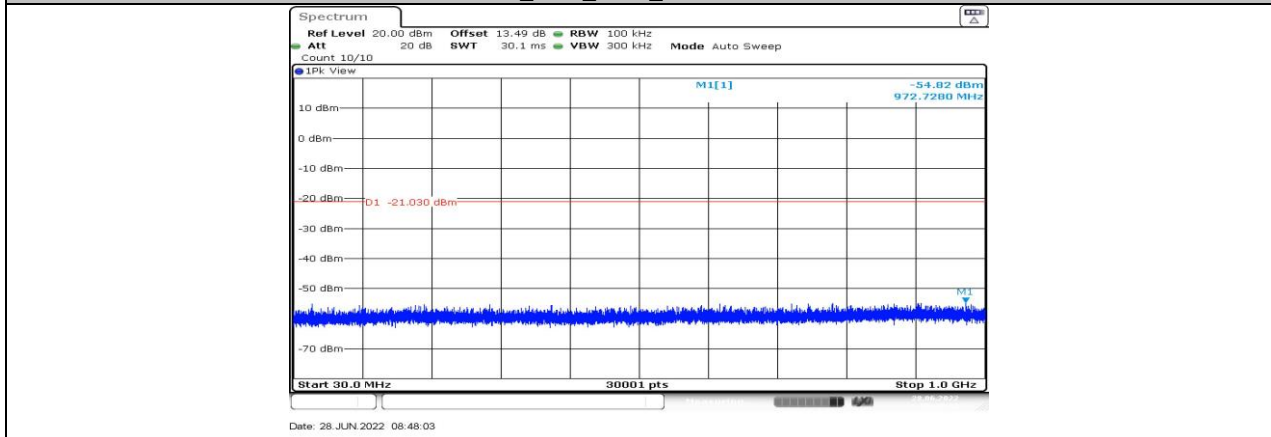
Test Mode	Antenna	Channel	FreqRange [Mhz]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	9.62	---	PASS
			30~1000	-54.8	≤-20.38	PASS
			1000~26500	-48.38	≤-20.38	PASS
		2437	Reference	8.97	---	PASS
			30~1000	-54.82	≤-21.03	PASS
			1000~26500	-48.13	≤-21.03	PASS
		2462	Reference	9.26	---	PASS
			30~1000	-54.68	≤-20.74	PASS
			1000~26500	-47.87	≤-20.74	PASS
11G	Ant1	2412	Reference	3.39	---	PASS
			30~1000	-53.92	≤-26.61	PASS
			1000~26500	-48.72	≤-26.61	PASS
		2437	Reference	2.51	---	PASS
			30~1000	-47.25	≤-27.49	PASS
			1000~26500	-49.28	≤-27.49	PASS
		2462	Reference	2.02	---	PASS
			30~1000	-54.44	≤-27.98	PASS
			1000~26500	-48.71	≤-27.98	PASS
11N20SISO	Ant1	2412	Reference	3.44	---	PASS
			30~1000	-49.72	≤-26.56	PASS
			1000~26500	-46.89	≤-26.56	PASS
		2437	Reference	2.55	---	PASS
			30~1000	-53.98	≤-27.45	PASS
			1000~26500	-48.67	≤-27.45	PASS
		2462	Reference	2.12	---	PASS
			30~1000	-54.48	≤-27.88	PASS
			1000~26500	-44.97	≤-27.88	PASS
11N40SISO	Ant1	2422	Reference	-0.66	---	PASS
			30~1000	-54.04	≤-30.66	PASS
			1000~26500	-49.45	≤-30.66	PASS
		2437	Reference	-1.17	---	PASS
			30~1000	-54.57	≤-31.17	PASS
			1000~26500	-48.76	≤-31.17	PASS
		2452	Reference	-1.26	---	PASS
			30~1000	-54.56	≤-31.26	PASS
			1000~26500	-48.34	≤-31.26	PASS
11AX20SISO	Ant1	2412	Reference	3.53	---	PASS
			30~1000	-54.59	≤-26.47	PASS
			1000~26500	-49.06	≤-26.47	PASS
		2437	Reference	2.66	---	PASS
			30~1000	-54.87	≤-27.34	PASS
			1000~26500	-48.99	≤-27.34	PASS
		2462	Reference	2.18	---	PASS
			30~1000	-54.18	≤-27.82	PASS
			1000~26500	-47.85	≤-27.82	PASS
11AX40SISO	Ant1	2422	Reference	-0.52	---	PASS
			30~1000	-54.92	≤-30.52	PASS
			1000~26500	-48.66	≤-30.52	PASS
		2437	Reference	-1.04	---	PASS
			30~1000	-54.55	≤-31.04	PASS
			1000~26500	-48.76	≤-31.04	PASS
		2452	Reference	-1.16	---	PASS
			30~1000	-54.28	≤-31.16	PASS
			1000~26500	-48.82	≤-31.16	PASS

11.6.2. Test Graphs

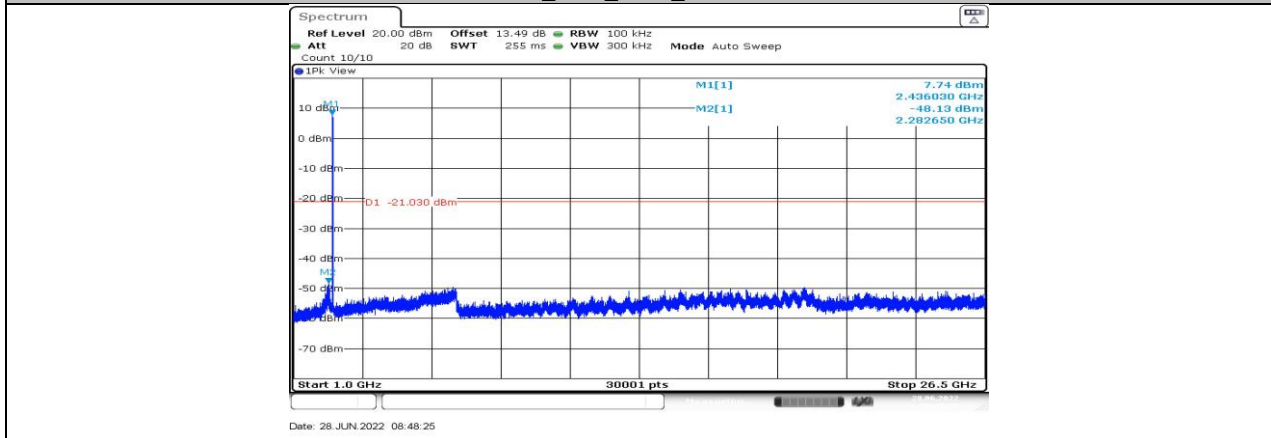




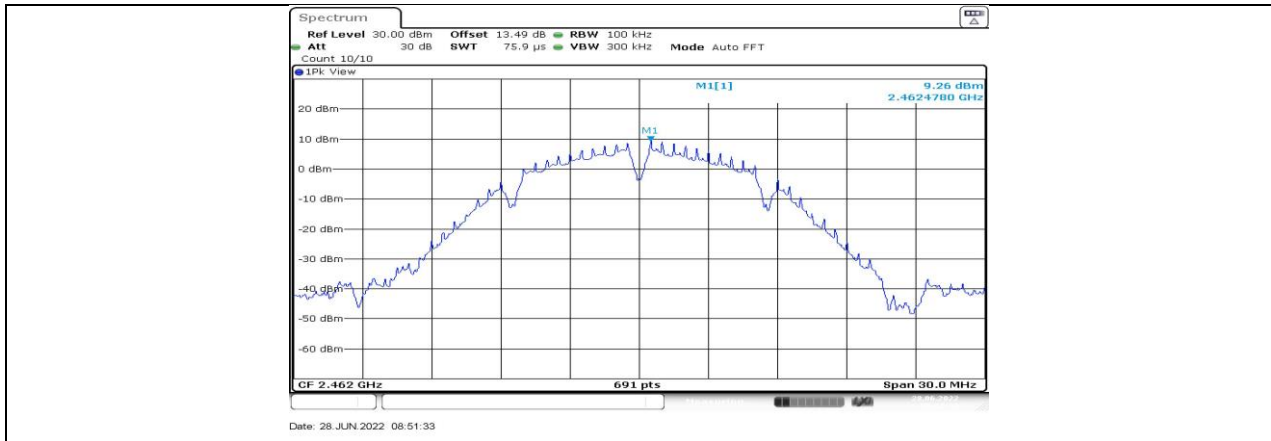
11B_Ant1_2437_0~Reference



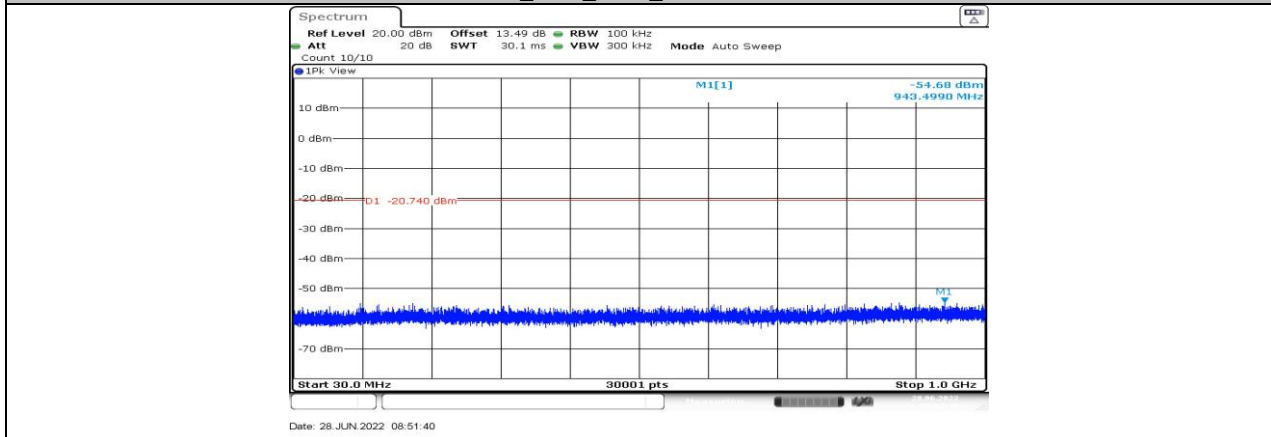
11B_Ant1_2437_30~1000



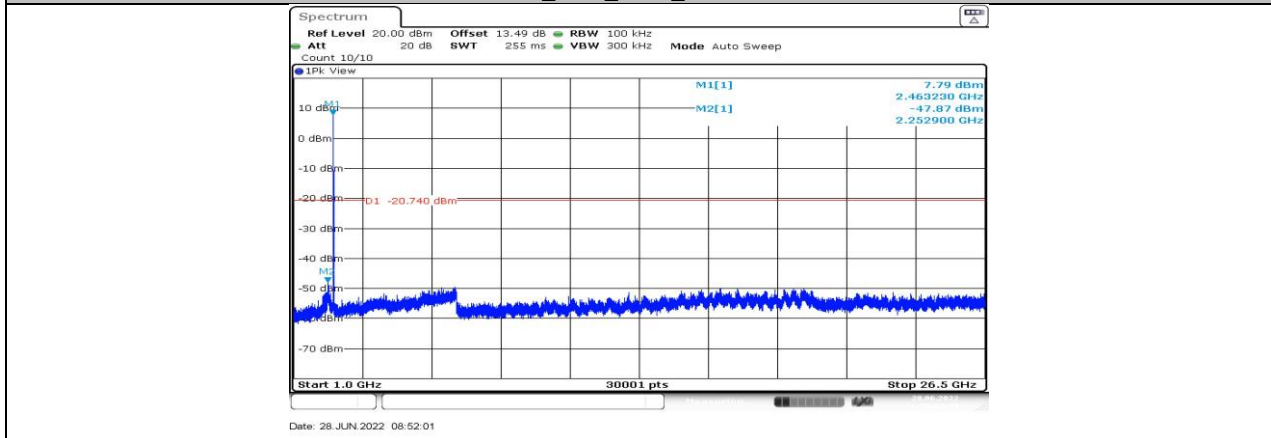
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



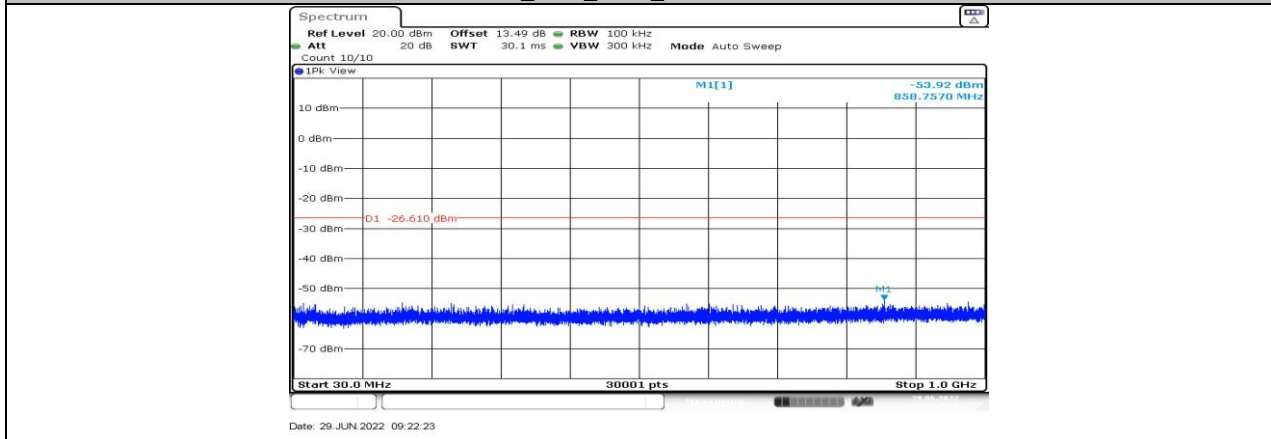
11B_Ant1_2462_30~1000



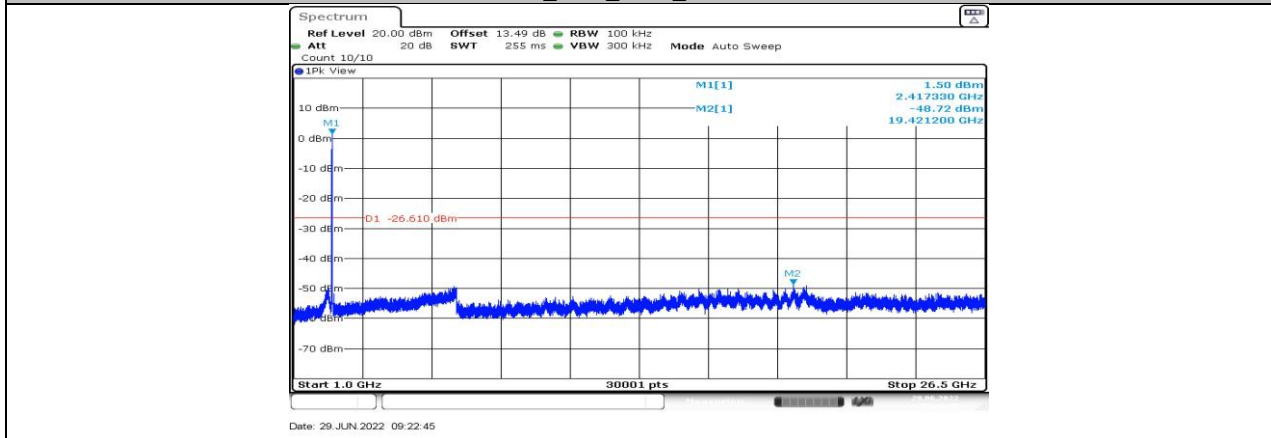
11B_Ant1_2462_1000~26500



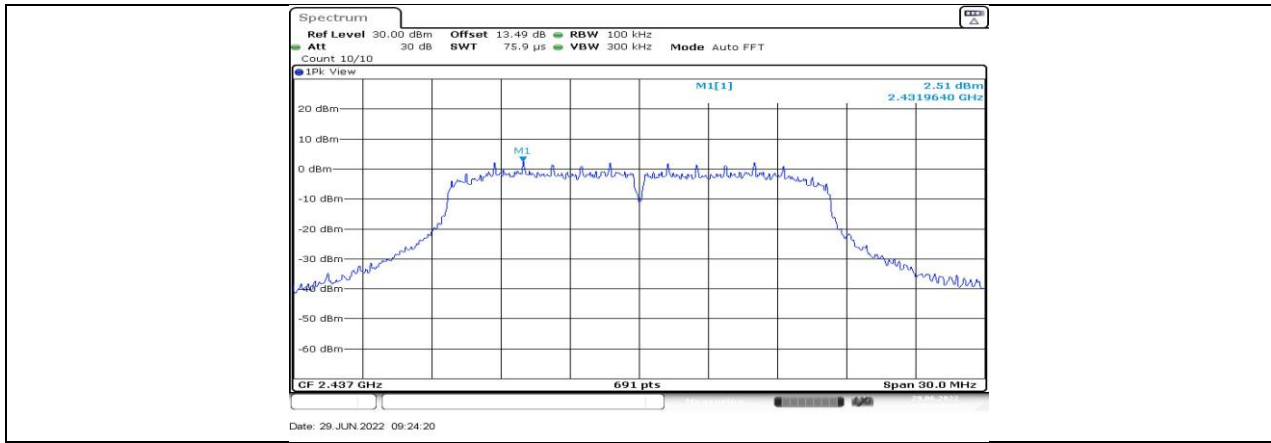
11G_Ant1_2412_0~Reference



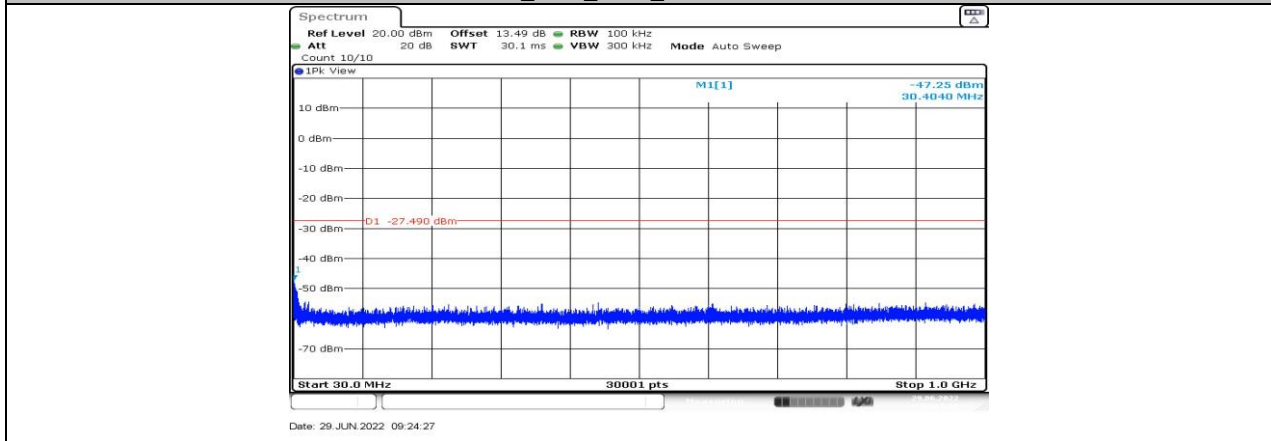
11G_Ant1_2412_30~1000



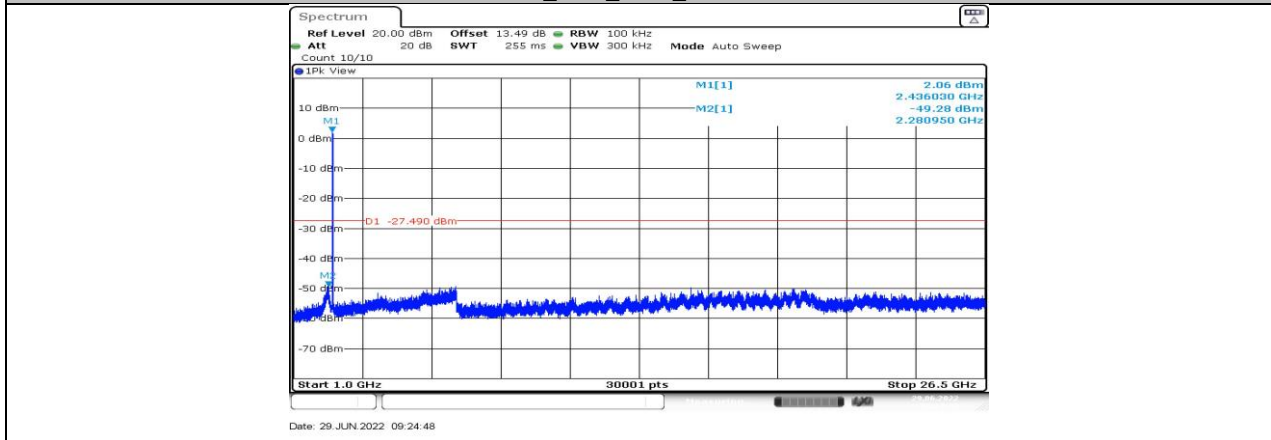
11G_Ant1_2412_1000~26500



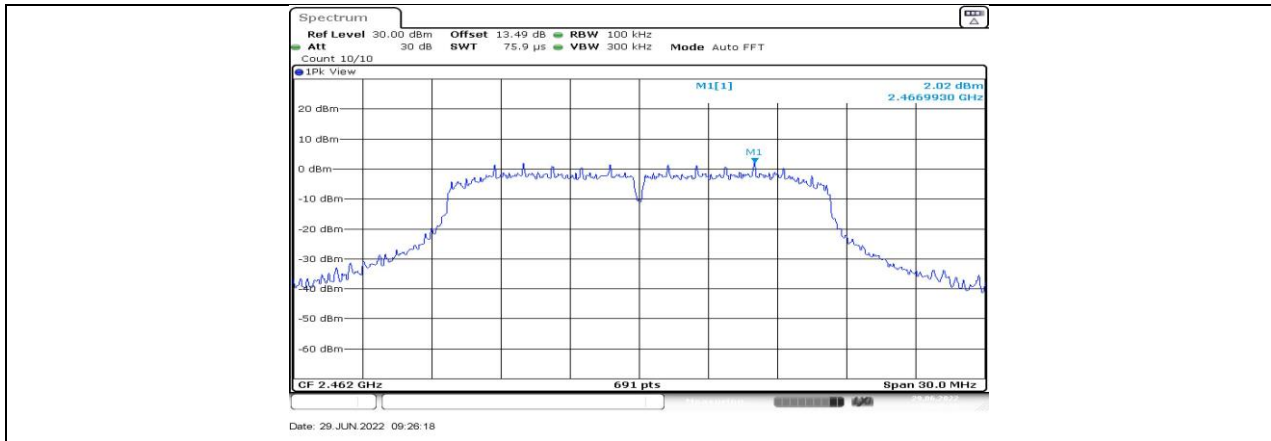
11G_Ant1_2437_0~Reference



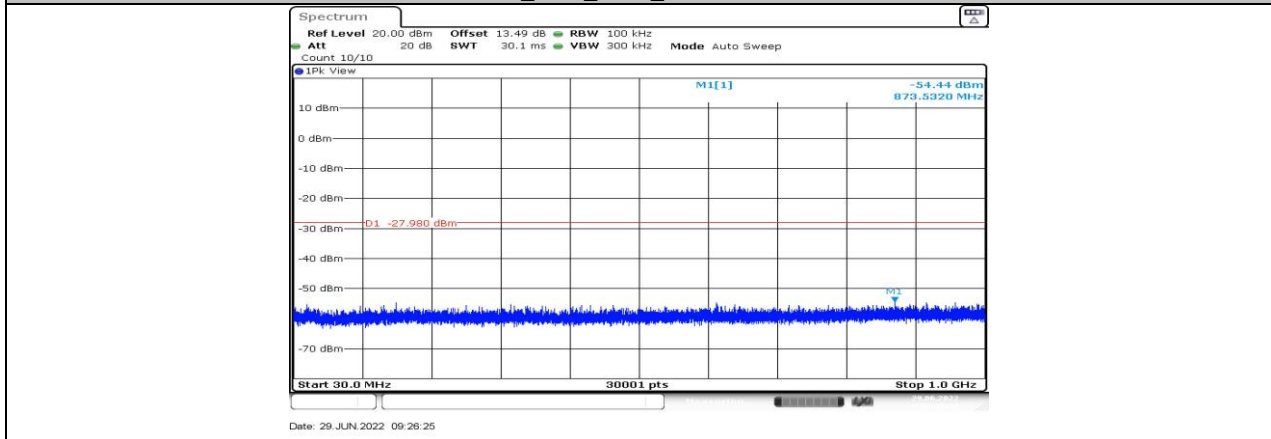
11G_Ant1_2437_30~1000



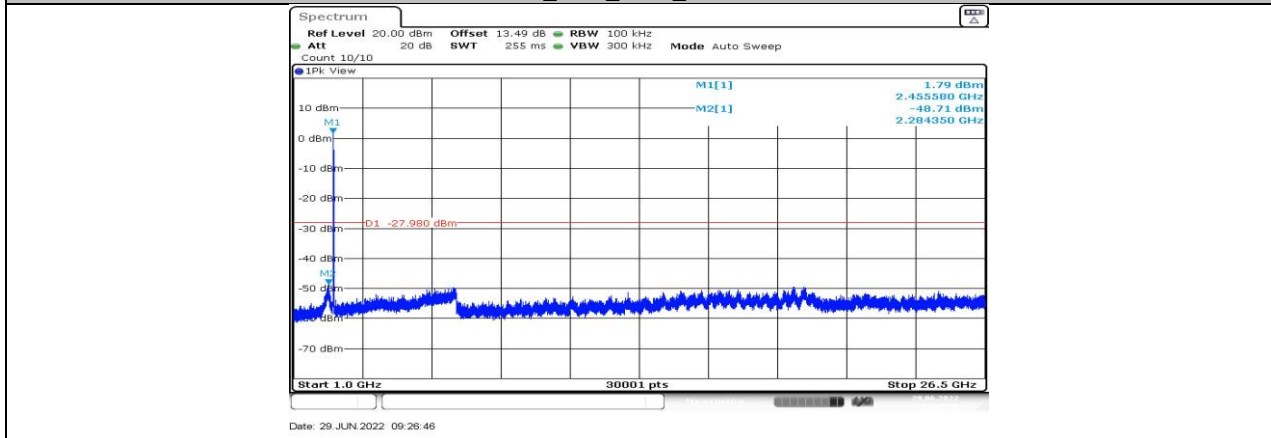
11G_Ant1_2437_1000~26500



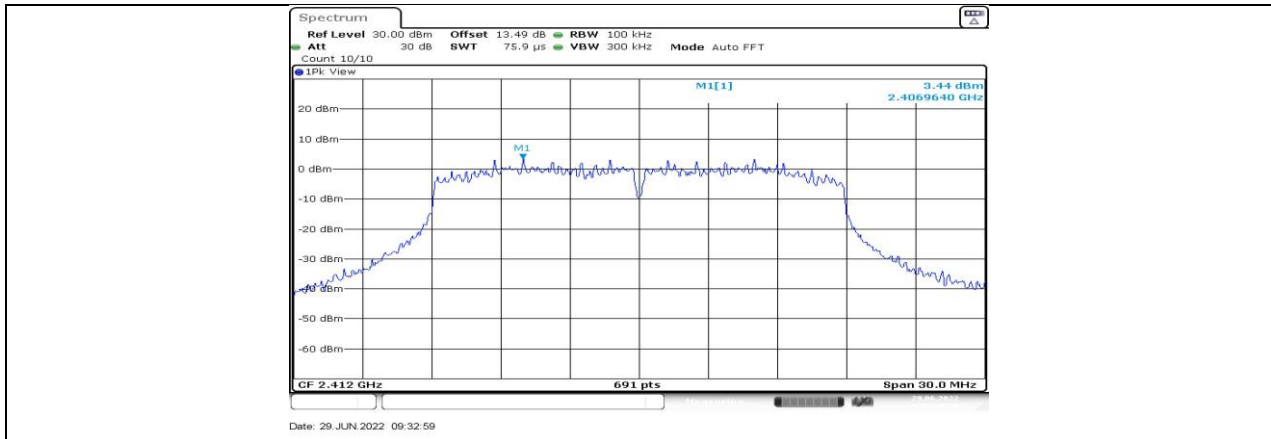
11G_Ant1_2462_0~Reference



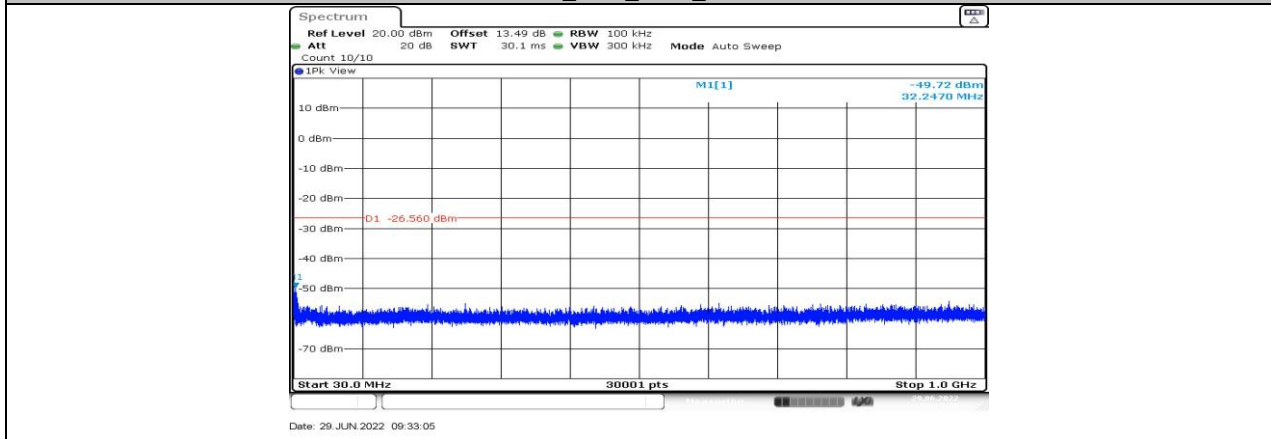
11G_Ant1_2462_30~1000



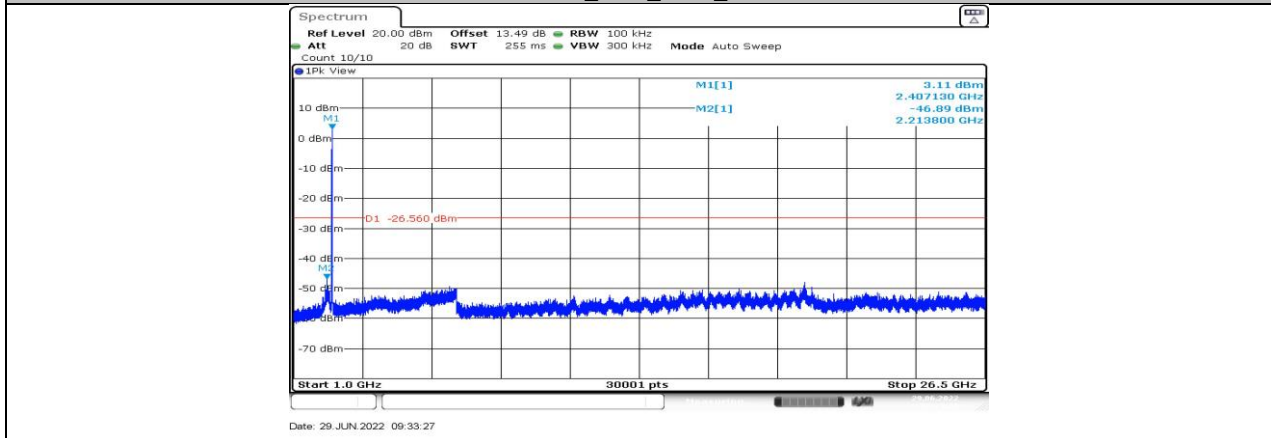
11G_Ant1_2462_1000~26500



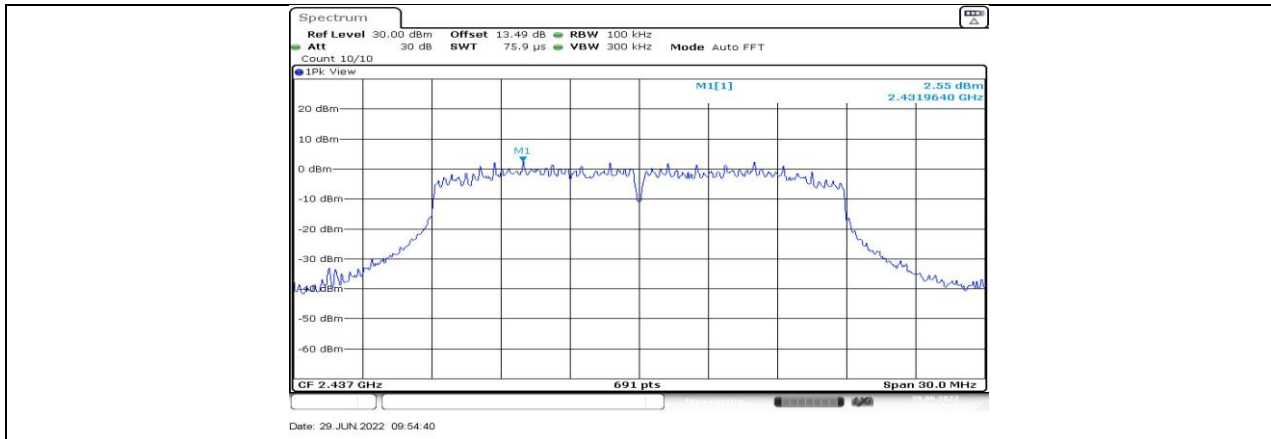
11N20SISO_Ant1_2412_0~Reference



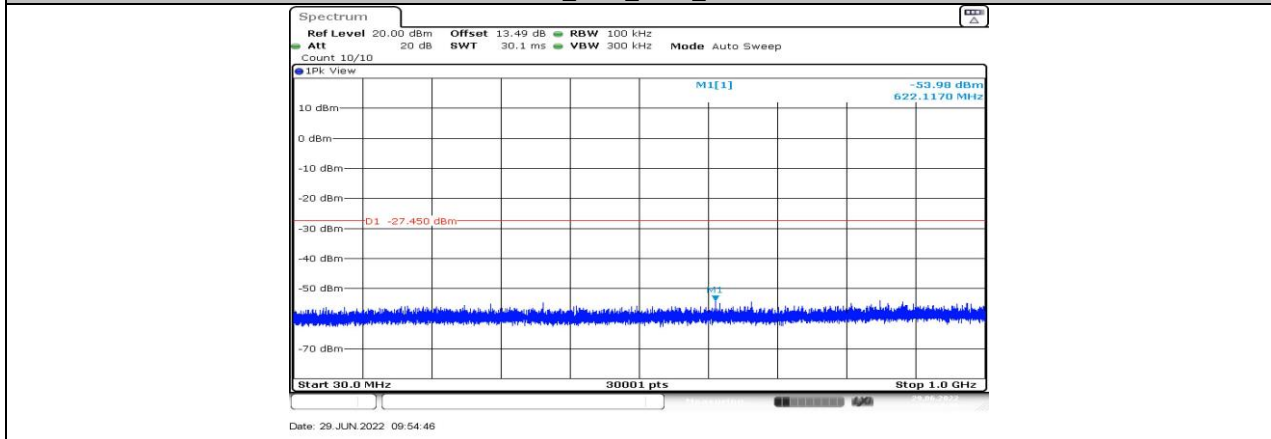
11N20SISO_Ant1_2412_30~100



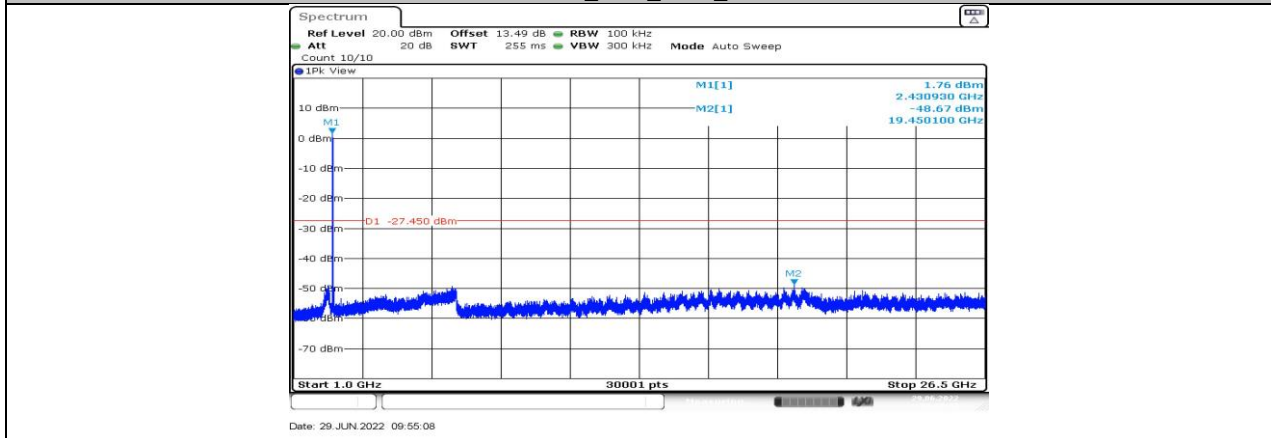
11N20SISO_Ant1_2412_1000~26500



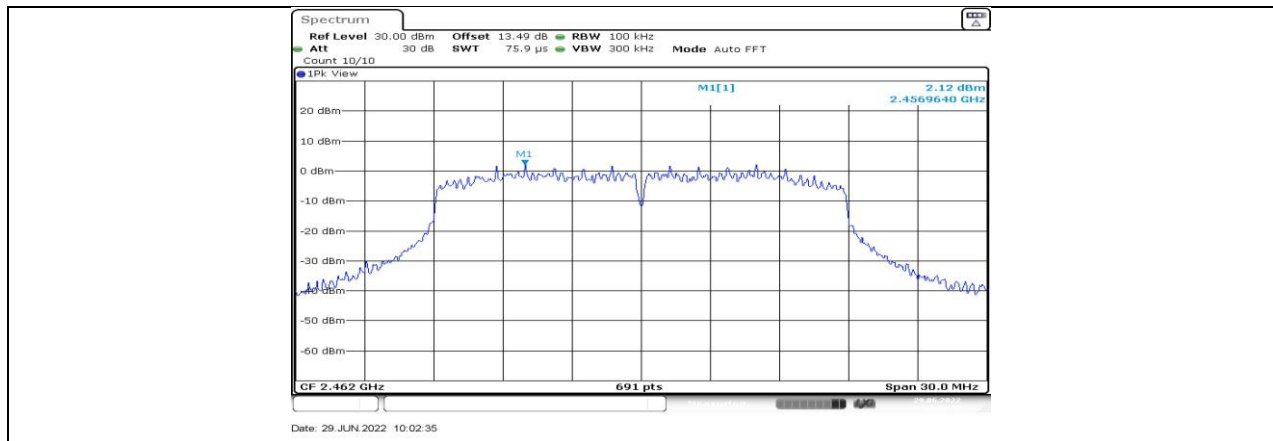
11N20SISO_Ant1_2437_0~Reference



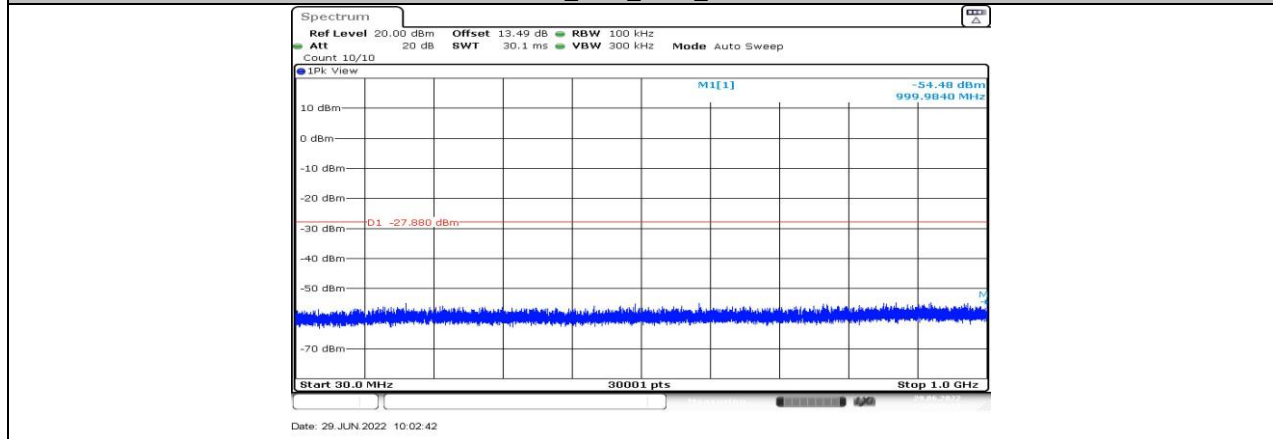
11N20SISO_Ant1_2437_30~100



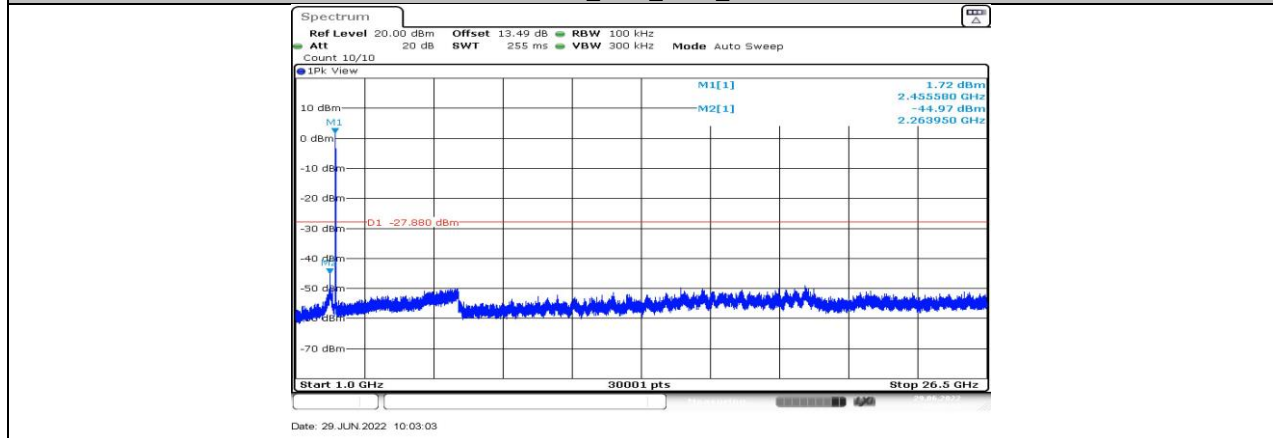
11N20SISO_Ant1_2437_1000~26500



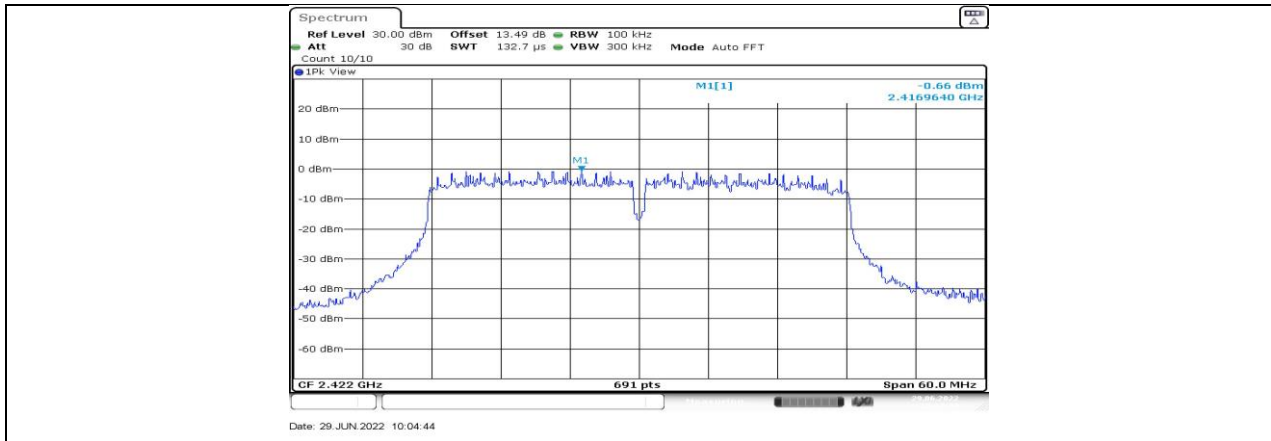
11N20SISO_Ant1_2462_0~Reference



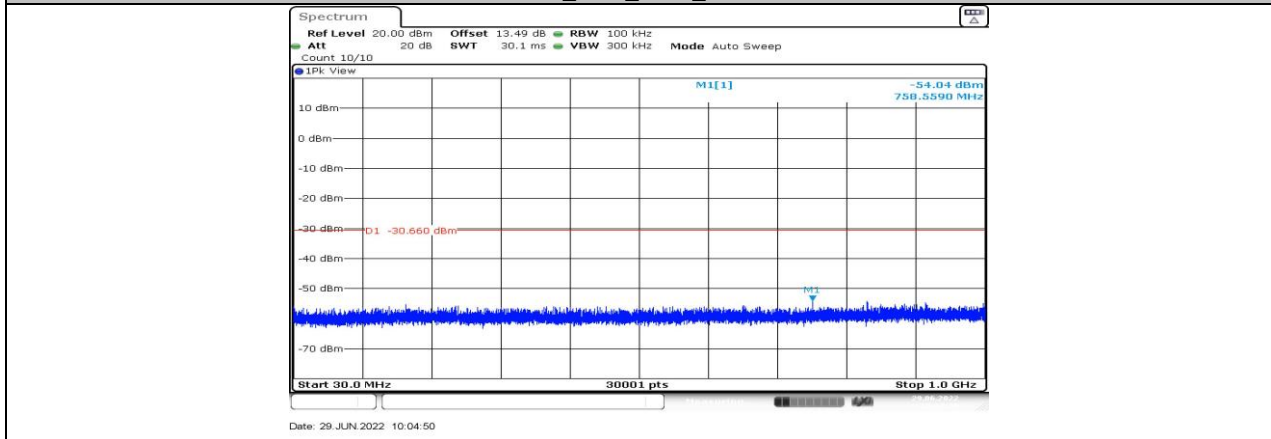
11N20SISO_Ant1_2462_30~100



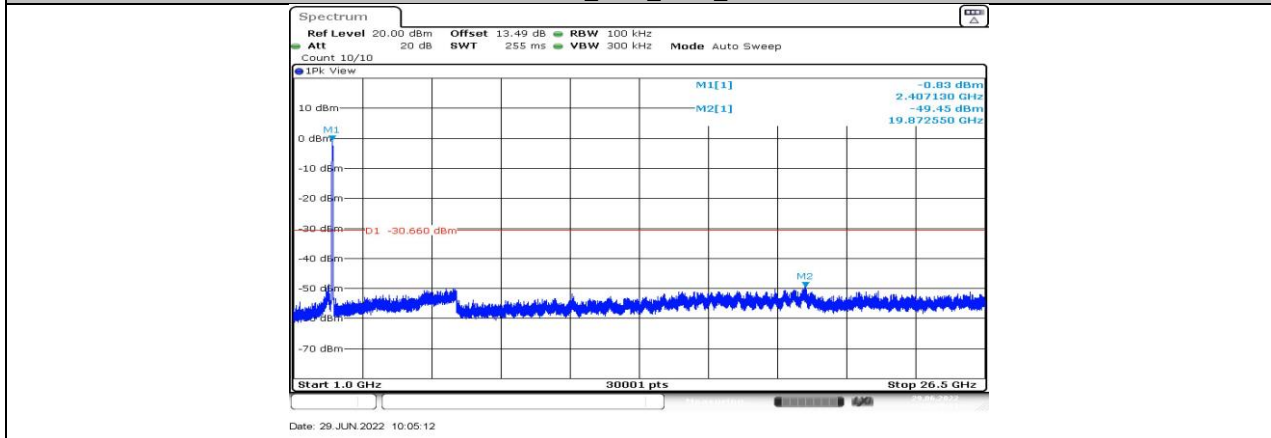
11N20SISO_Ant1_2462_1000~26500



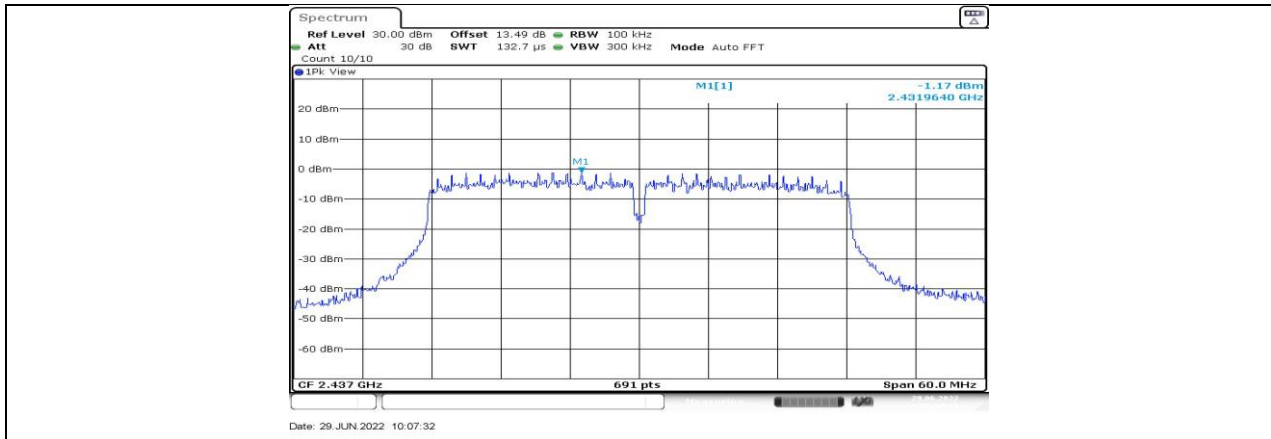
11N40SISO_Ant1_2422_0~Reference



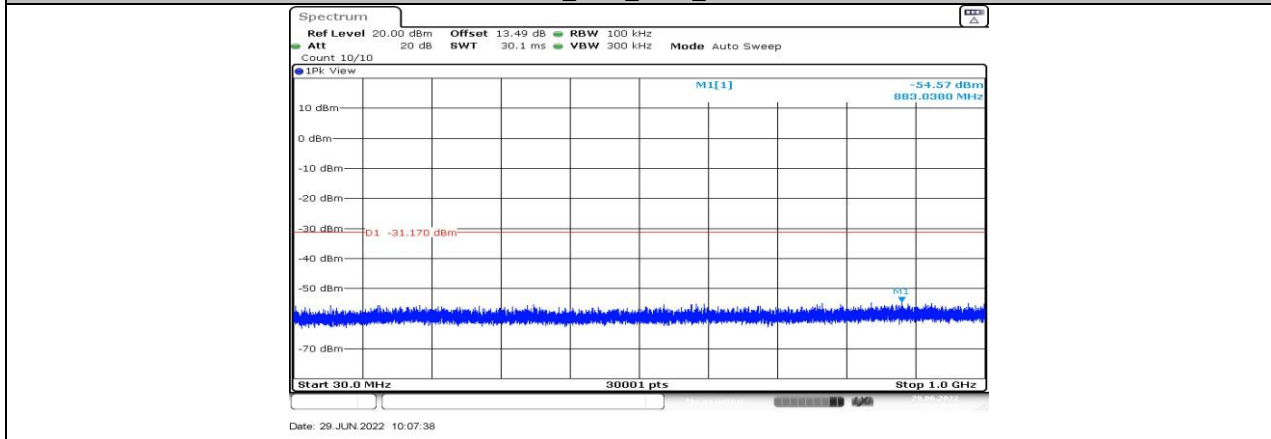
11N40SISO_Ant1_2422_30~100



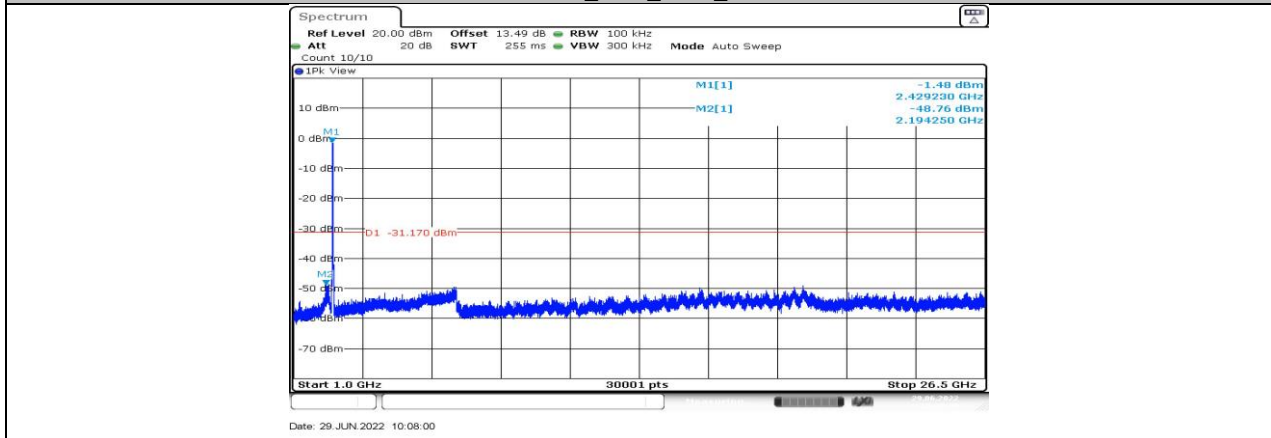
11N40SISO_Ant1_2422_1000~26500



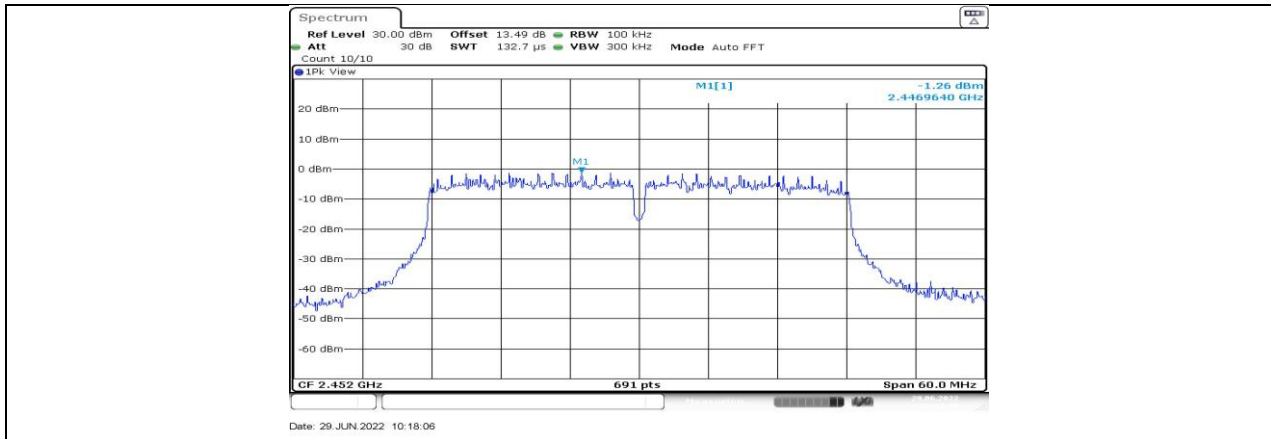
11N40SISO_Ant1_2437_0~Reference



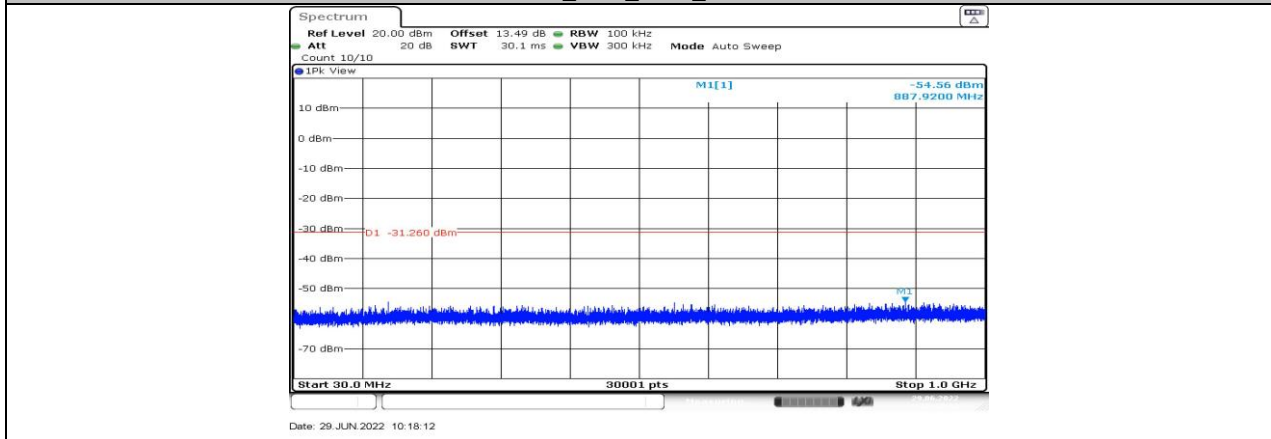
11N40SISO_Ant1_2437_30~100



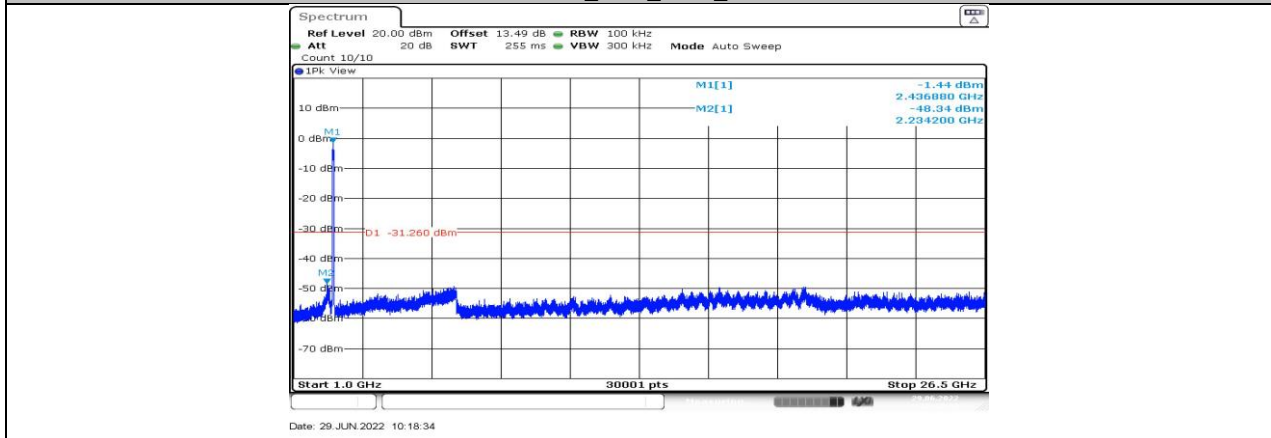
11N40SISO_Ant1_2437_1000~26500



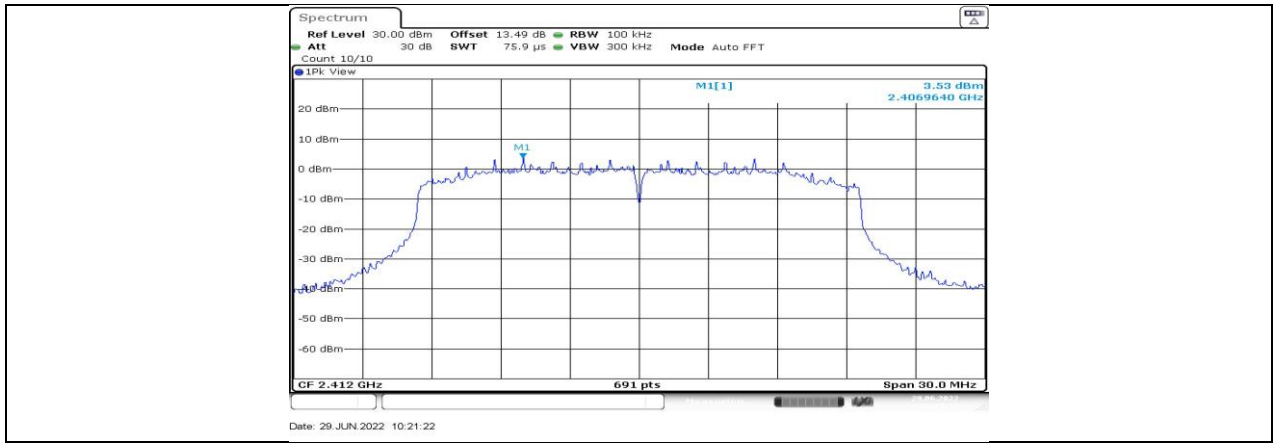
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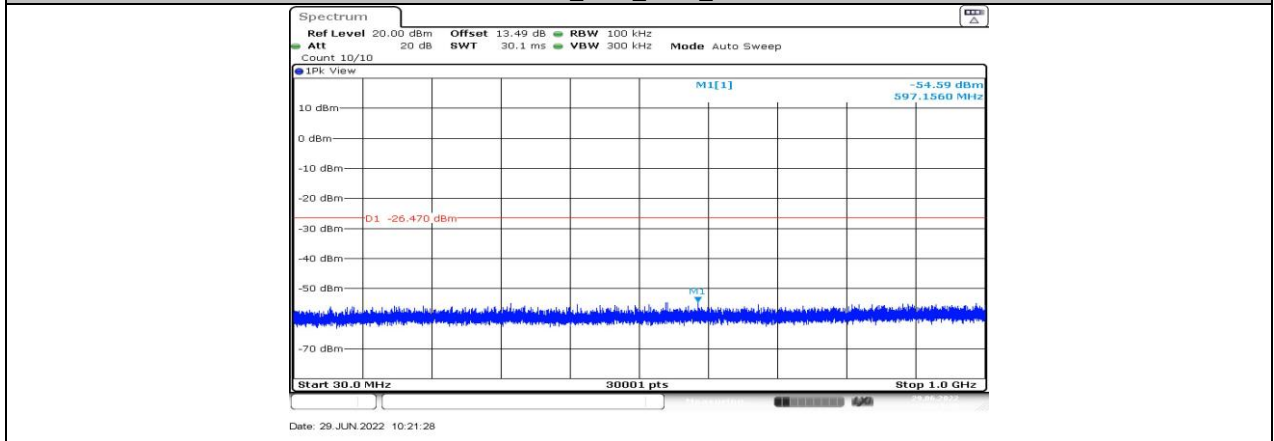
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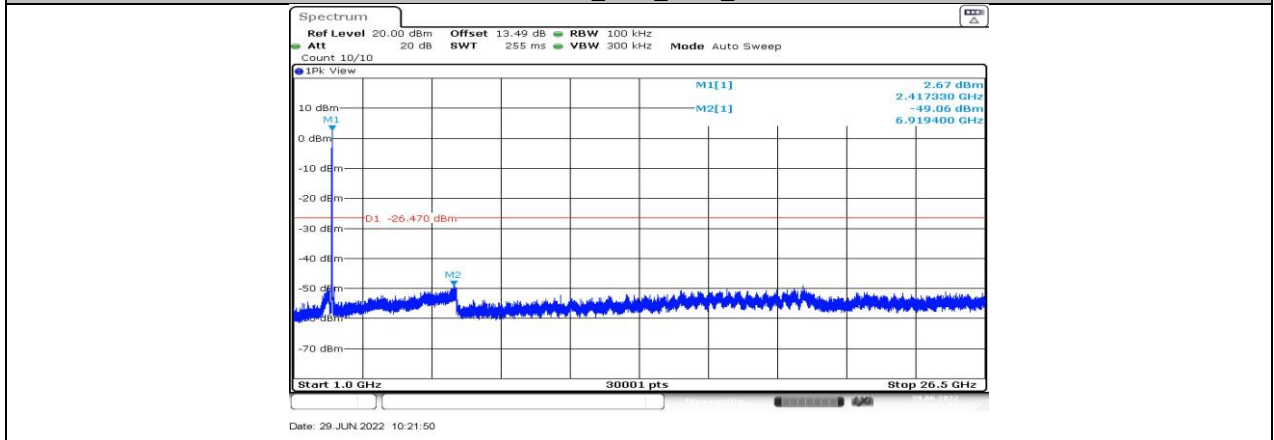
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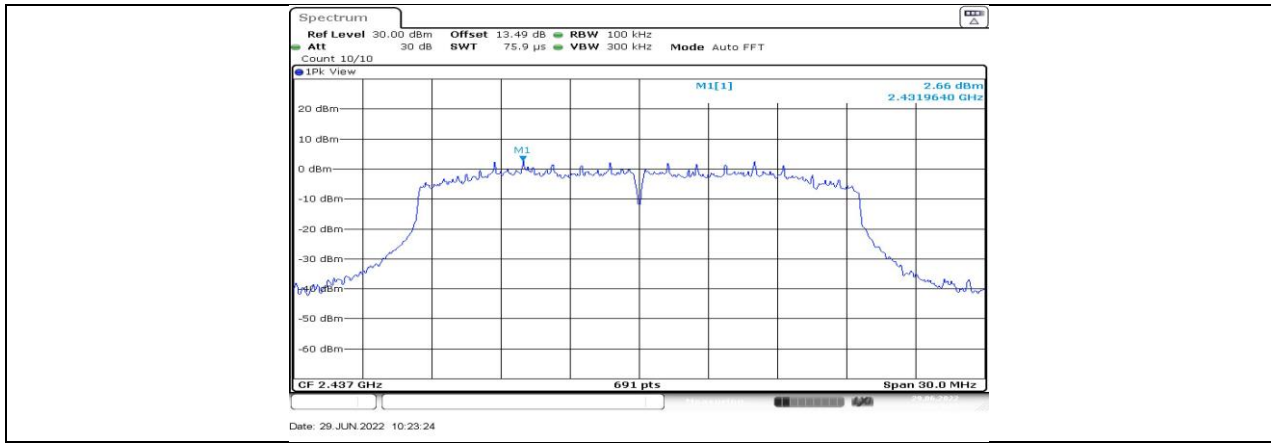
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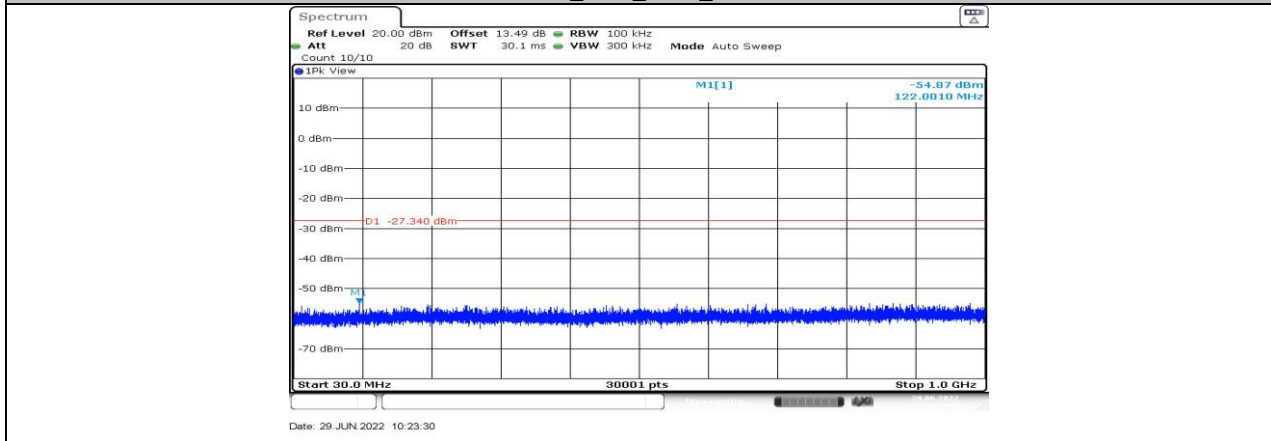
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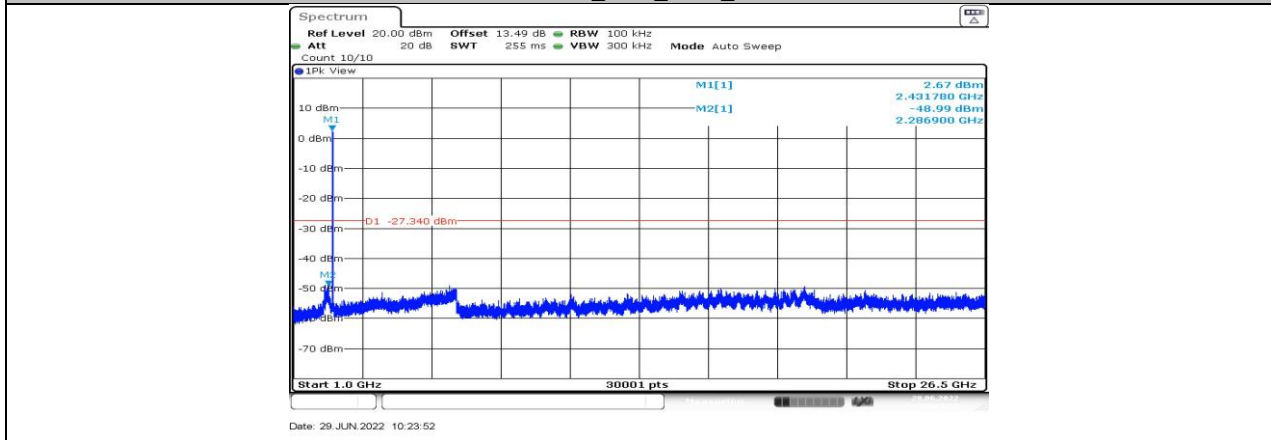
11AX20SISO_Ant1_2412_1000~26500



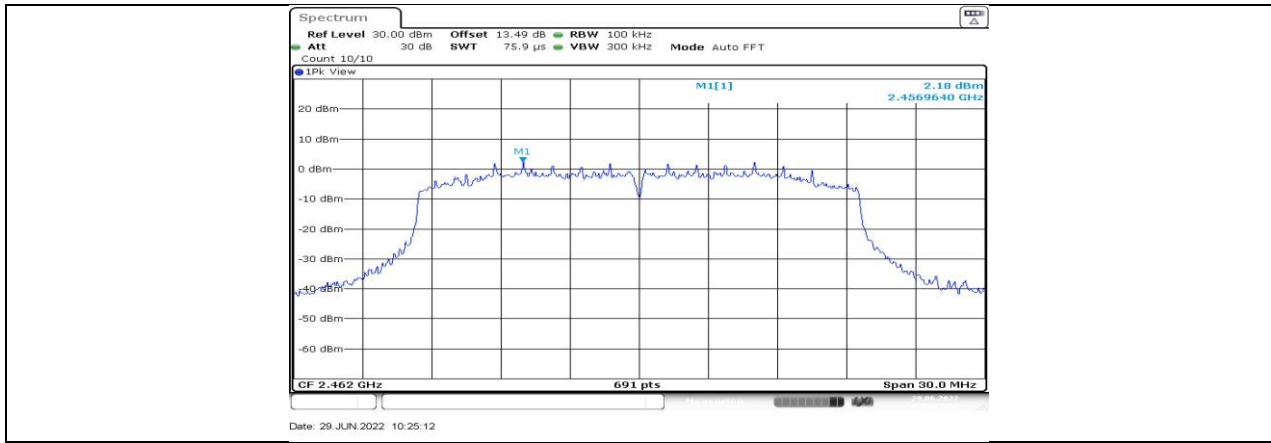
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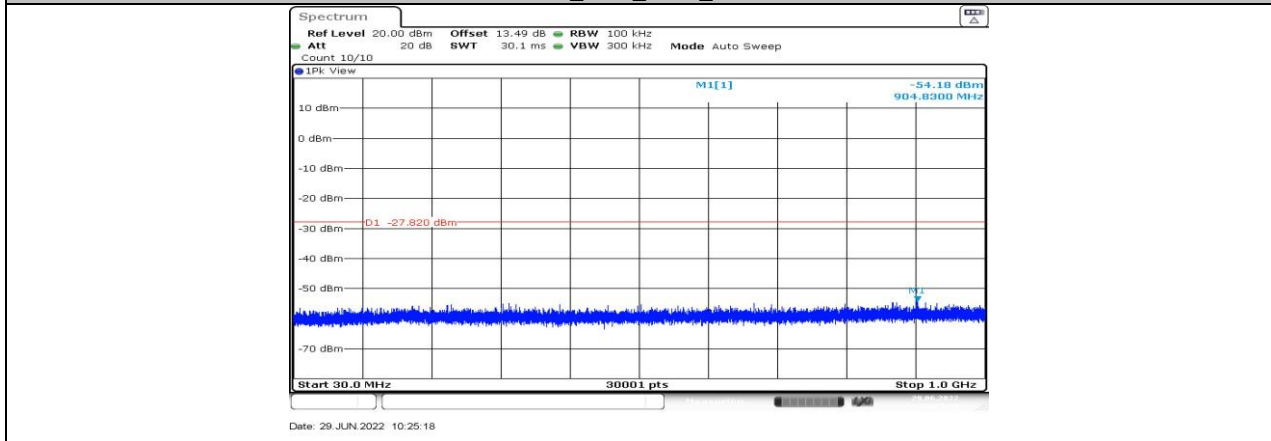
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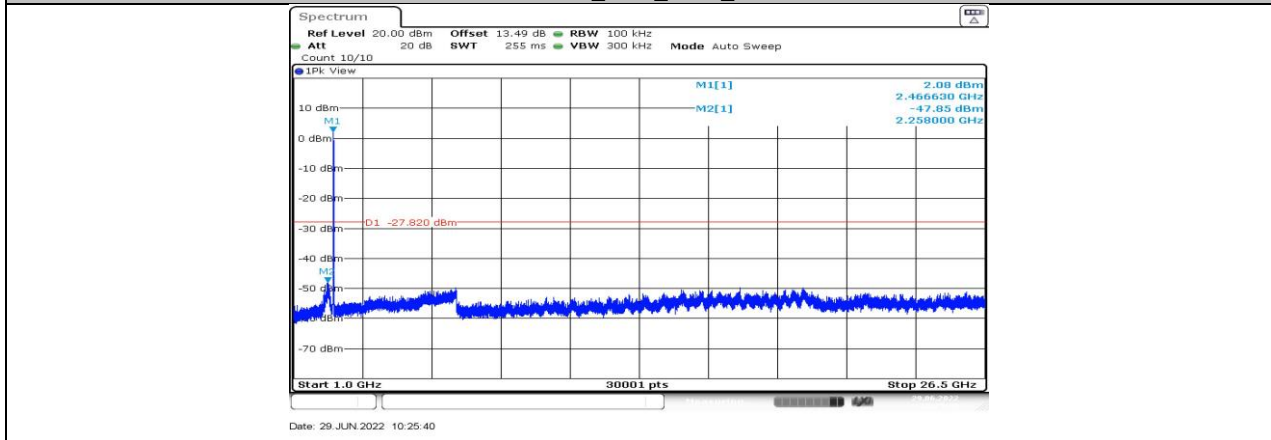
11AX20SISO_Ant1_2437_1000~26500



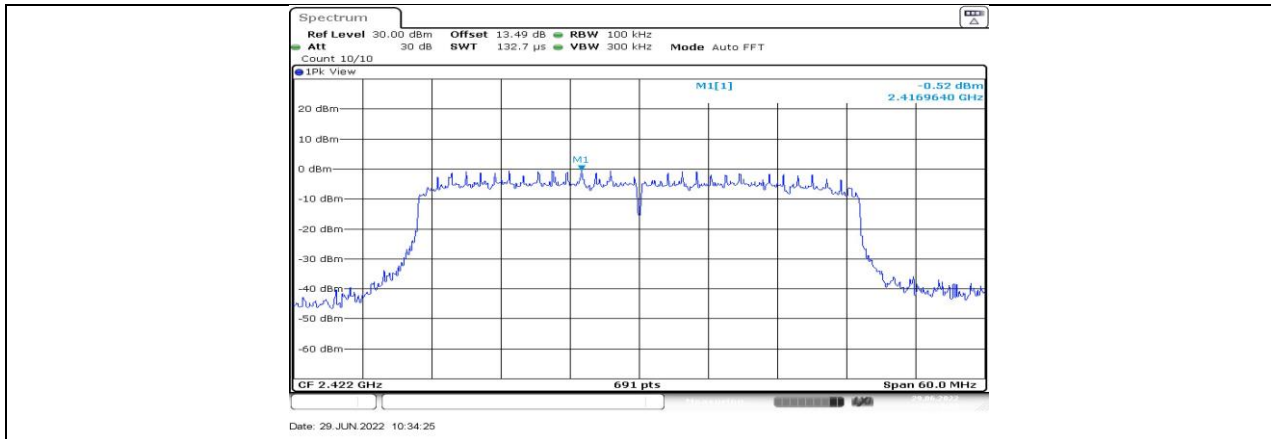
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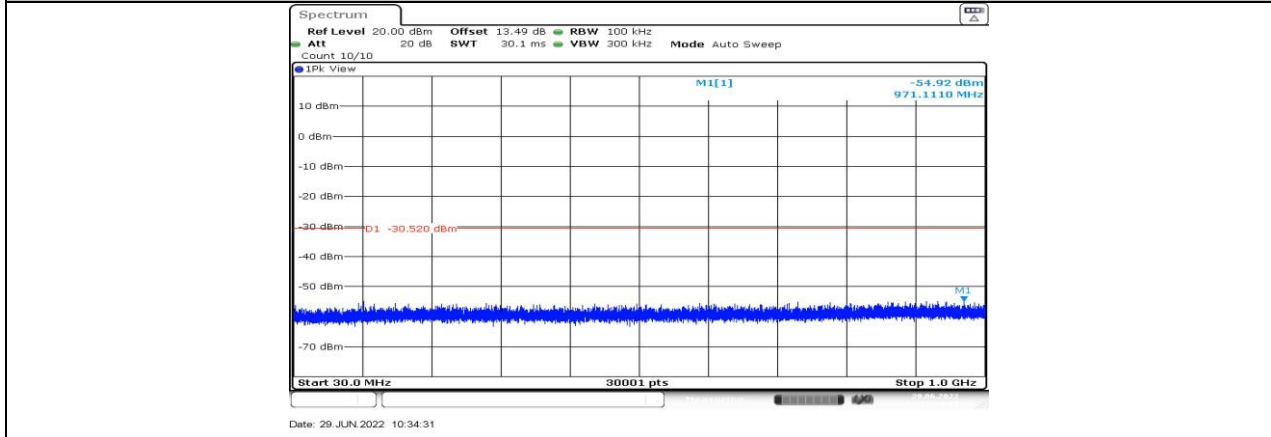
11AX20SISO_Ant1_2462_30~1000



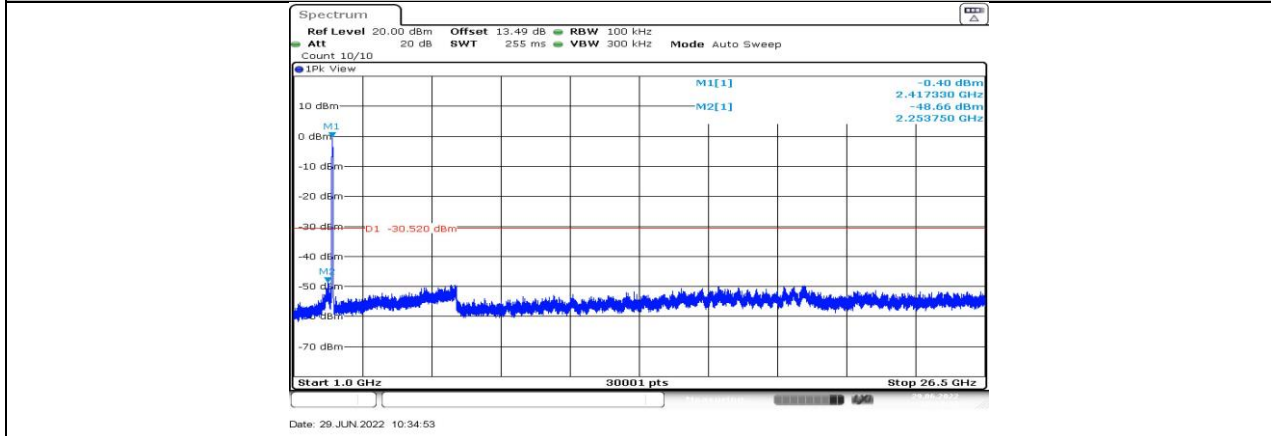
11AX20SISO_Ant1_2462_1000~26500



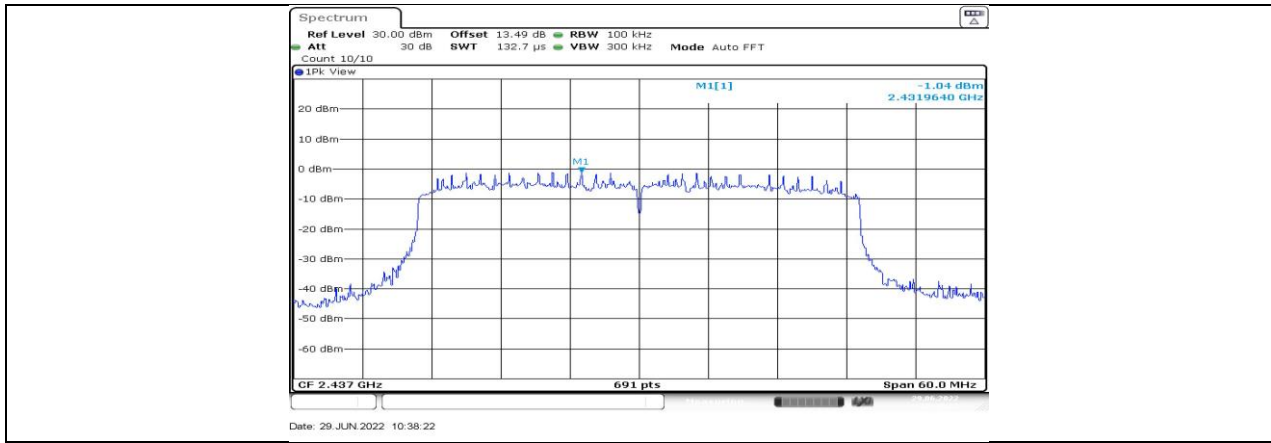
11AX40SISO_Ant1_2422_0~Reference



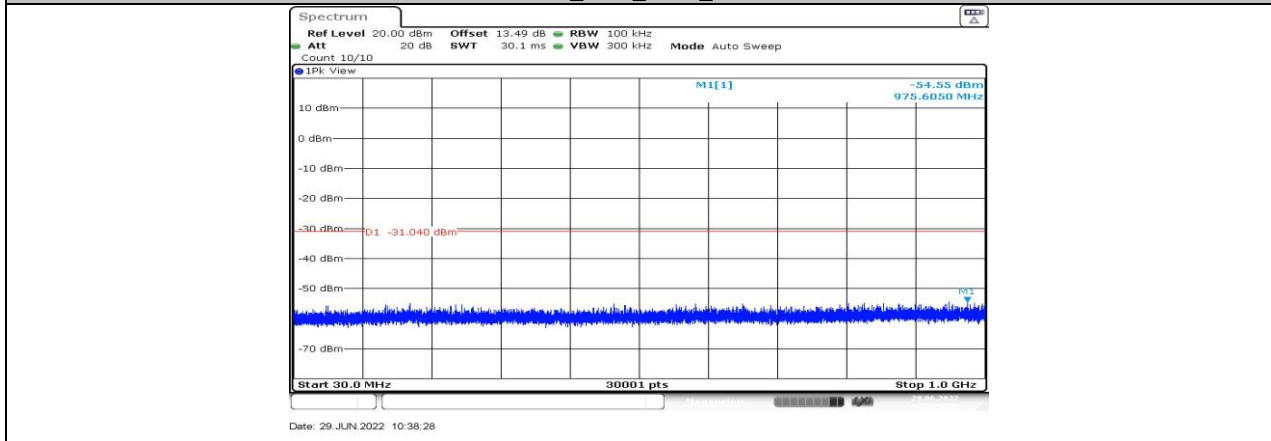
11AX40SISO_Ant1_2422_30~1000



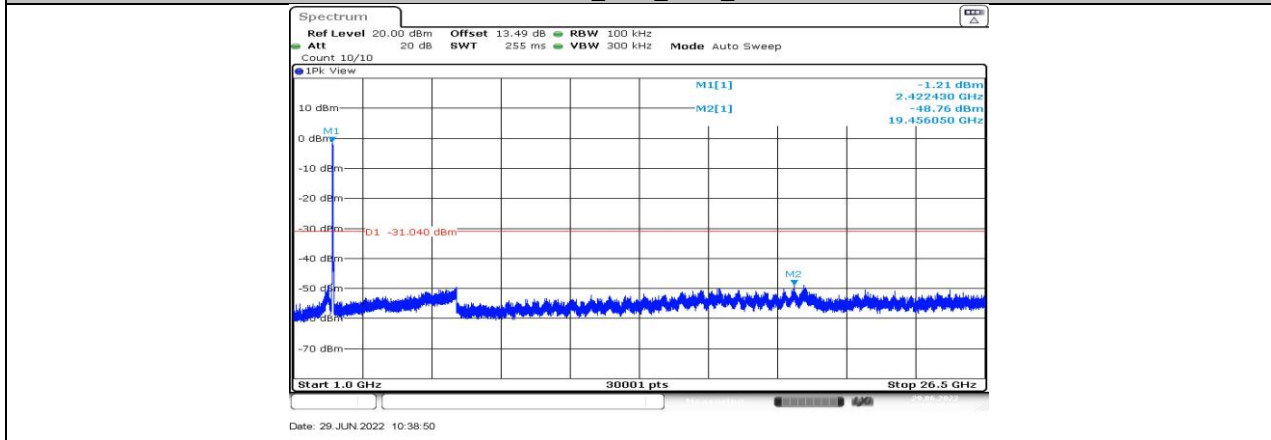
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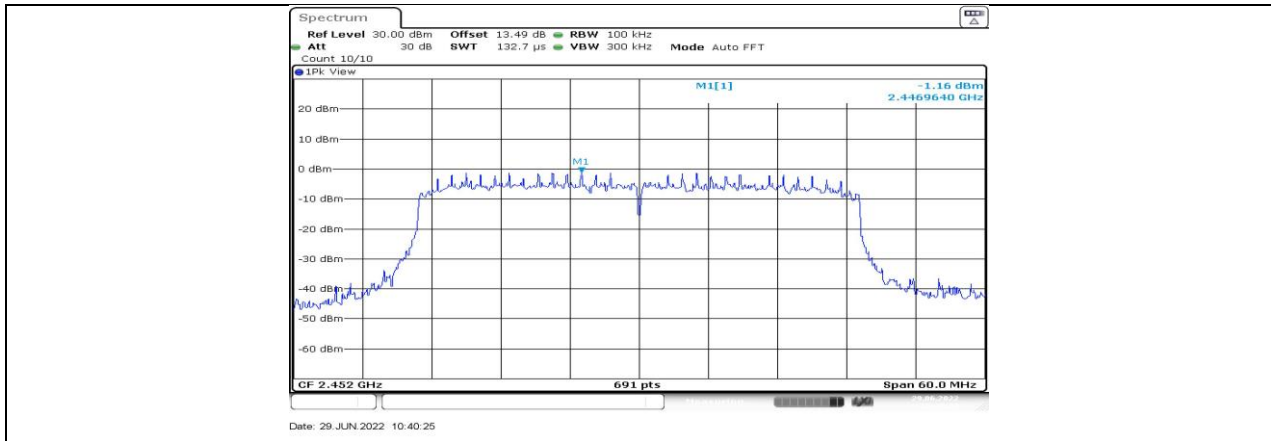
11AX40SISO_Ant1_2437_0~Reference



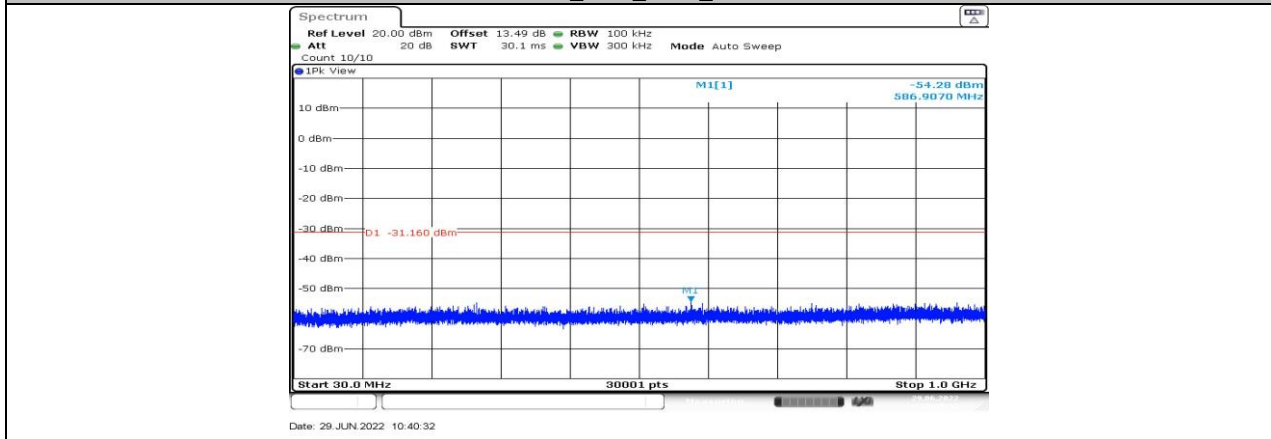
11AX40SISO_Ant1_2437_30~1000



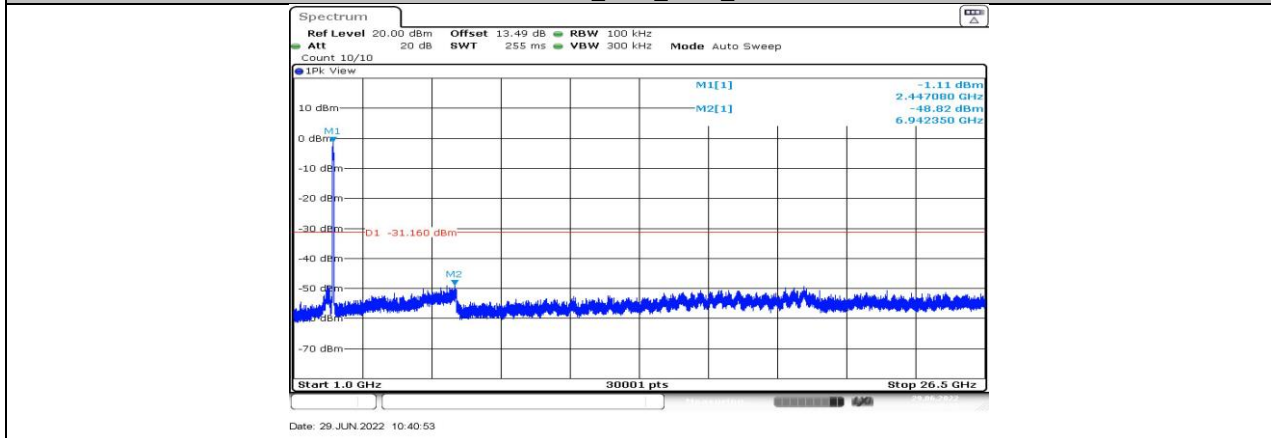
11AX40SISO_Ant1_2437_1000~26500



11AX40SISO_Ant1_2452_0~Reference



11AX40SISO_Ant1_2452_30~1000



11AX40SISO_Ant1_2452_1000~26500



11.7. APPENDIX G: DUTY CYCLE

11.7.1. Test Result

Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
11B	8.21	8.24	0.9964	99.64	0.02	N/A	0.01
11G	1.35	1.39	0.9712	97.12	0.13	0.74	1
11N20SISO	0.16	0.2	0.8000	80.00	0.97	6.25	10
11N40SISO	0.09	0.13	0.6923	69.23	1.60	11.11	15
11AX20SISO	0.11	0.14	0.7857	78.57	1.05	9.09	10
11AX40SISO	0.08	0.12	0.6667	66.67	1.76	12.50	15

Note:

Duty Cycle Correction Factor= $10\log(1/x)$.

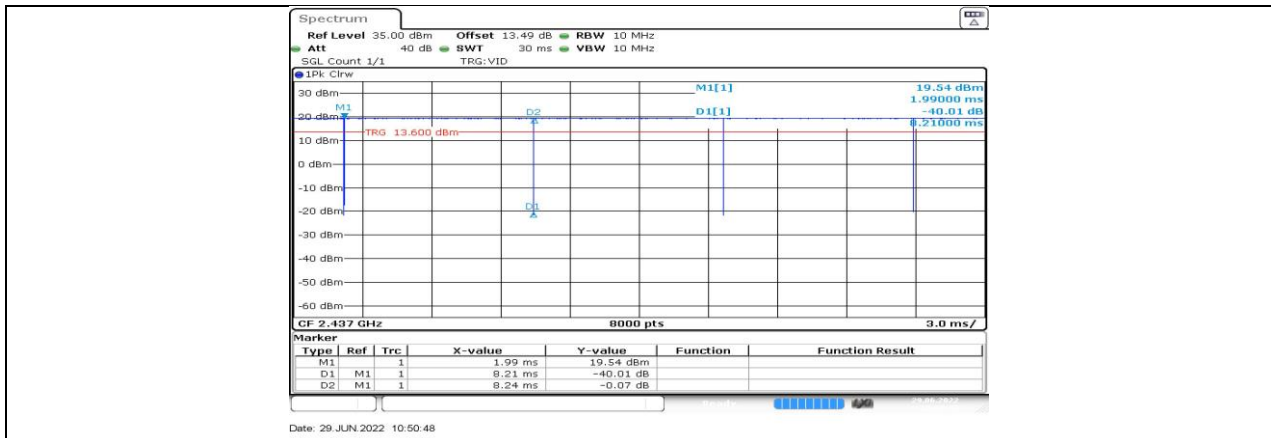
Where: x is Duty Cycle (Linear)

Where: T is On Time

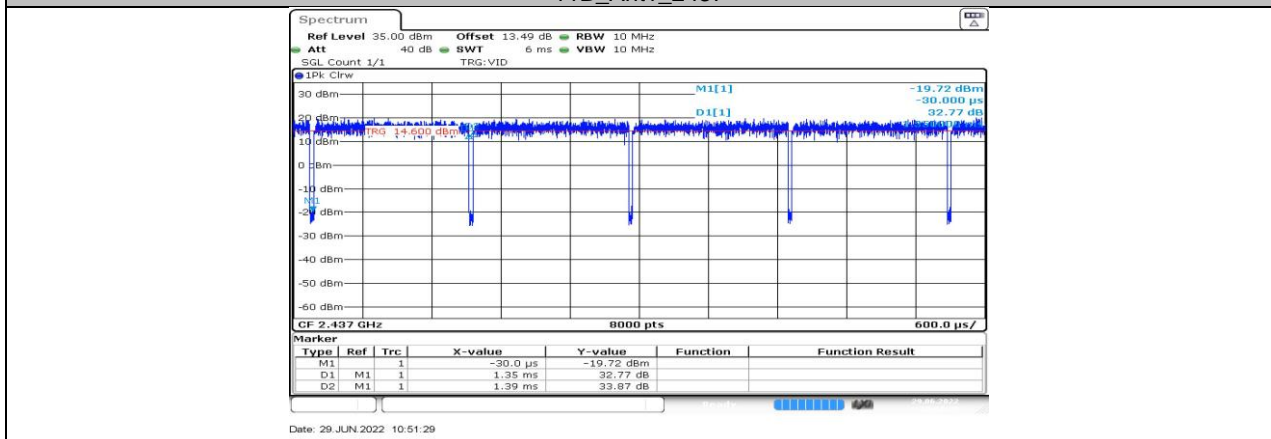
If that calculated VBW is not available on the analyzer then the next higher value should be used.

For 802.11b mode, the duty cycle > 98%, so, VBW=10Hz has been used to test.

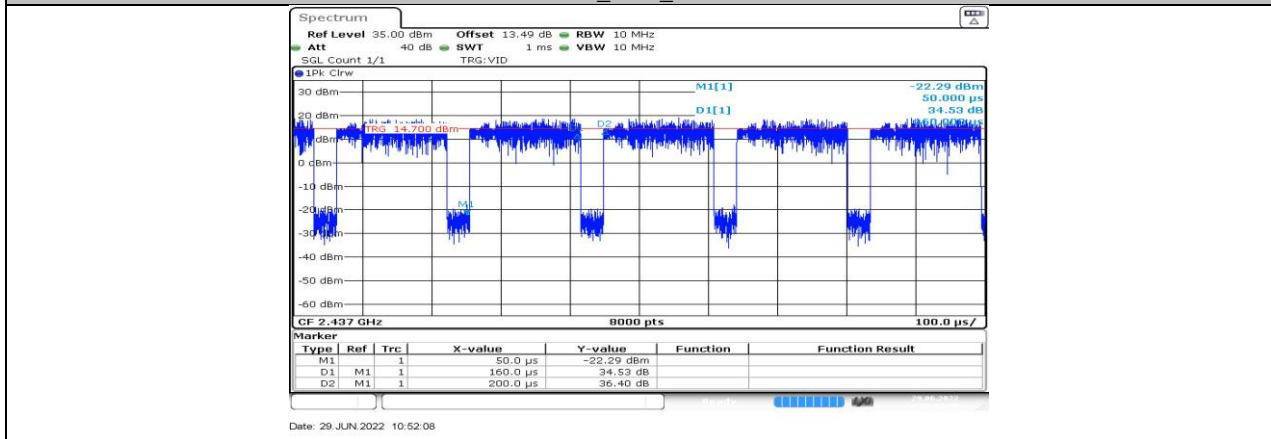
11.7.2. Test Graphs



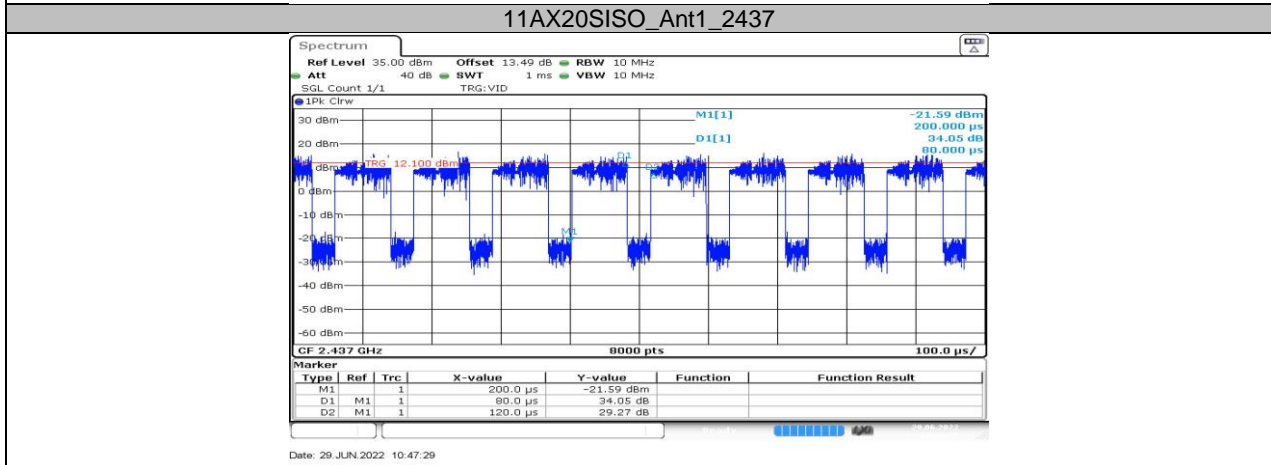
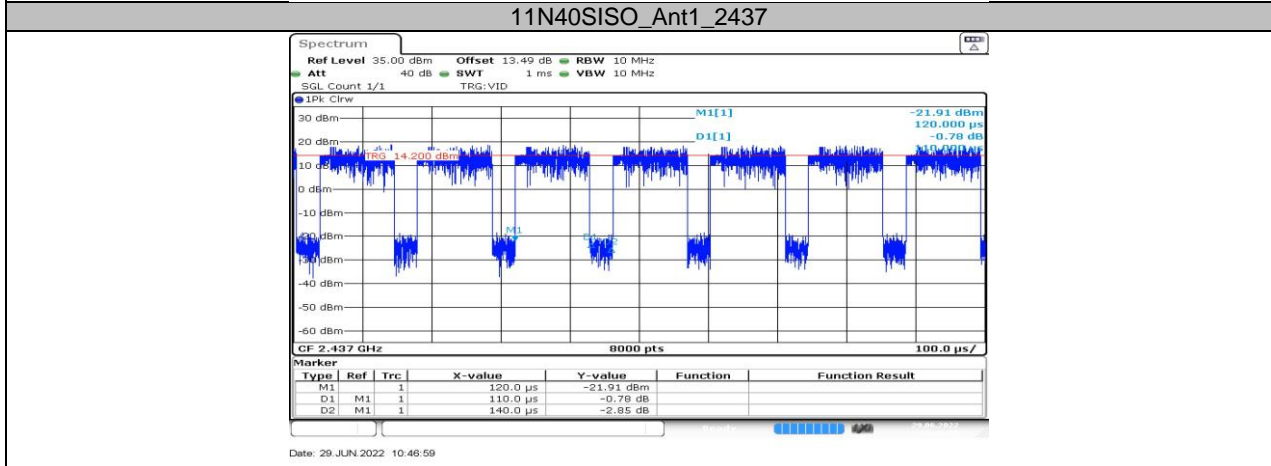
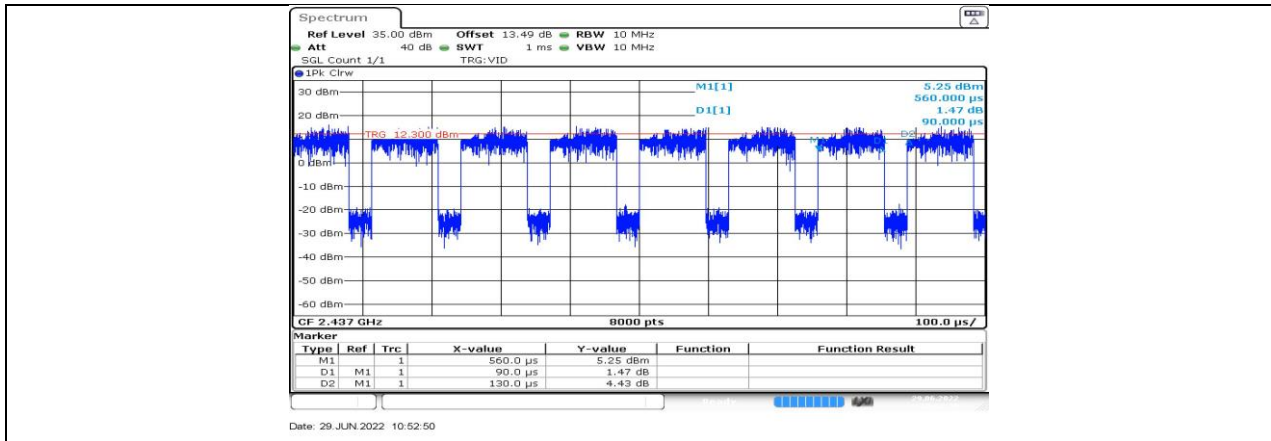
11B_Ant1_2437



11G_Ant1_2437



11N20SISO_Ant1_2437



END OF REPORT