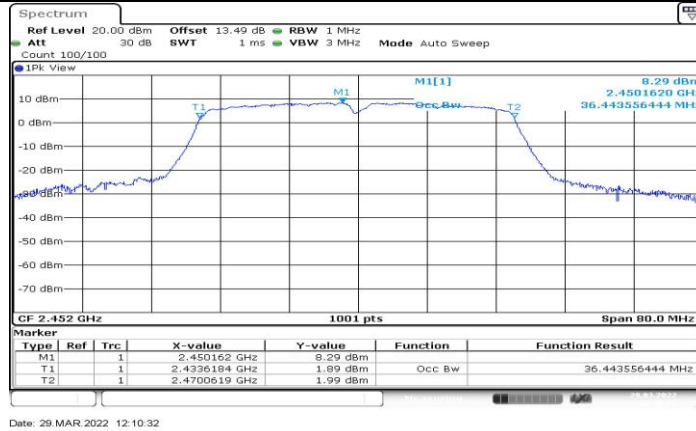




11N40MIMO_Ant2_2437



11N40MIMO_Ant1_2452



11N40MIMO_Ant2_2452

**11.3. Appendix C: Maximum conducted output power****11.3.1. Test Result**

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	16.65	≤30.00	PASS
	Ant2	2412	16.54	≤30.00	PASS
	Ant1	2437	16.44	≤30.00	PASS
	Ant2	2437	16.28	≤30.00	PASS
	Ant1	2462	16.13	≤30.00	PASS
	Ant2	2462	15.96	≤30.00	PASS
11G	Ant1	2412	14.21	≤30.00	PASS
	Ant2	2412	14.21	≤30.00	PASS
	Ant1	2437	14.03	≤30.00	PASS
	Ant2	2437	13.85	≤30.00	PASS
	Ant1	2462	13.86	≤30.00	PASS
	Ant2	2462	13.59	≤30.00	PASS
11N20MIMO	Ant1	2412	13.67	≤30.00	PASS
	Ant2	2412	13.56	≤30.00	PASS
	total	2412	16.63	≤30.00	PASS
	Ant1	2437	13.38	≤30.00	PASS
	Ant2	2437	13.03	≤30.00	PASS
	total	2437	16.22	≤30.00	PASS
	Ant1	2462	13.05	≤30.00	PASS
	Ant2	2462	13.18	≤30.00	PASS
11N40MIMO	total	2462	16.13	≤30.00	PASS
	Ant1	2422	13.97	≤30.00	PASS
	Ant2	2422	13.78	≤30.00	PASS
	total	2422	16.89	≤30.00	PASS
	Ant1	2437	13.69	≤30.00	PASS
	Ant2	2437	13.40	≤30.00	PASS
	total	2437	16.56	≤30.00	PASS
	Ant1	2452	13.60	≤30.00	PASS
	Ant2	2452	13.31	≤30.00	PASS
	total	2452	16.47	≤30.00	PASS

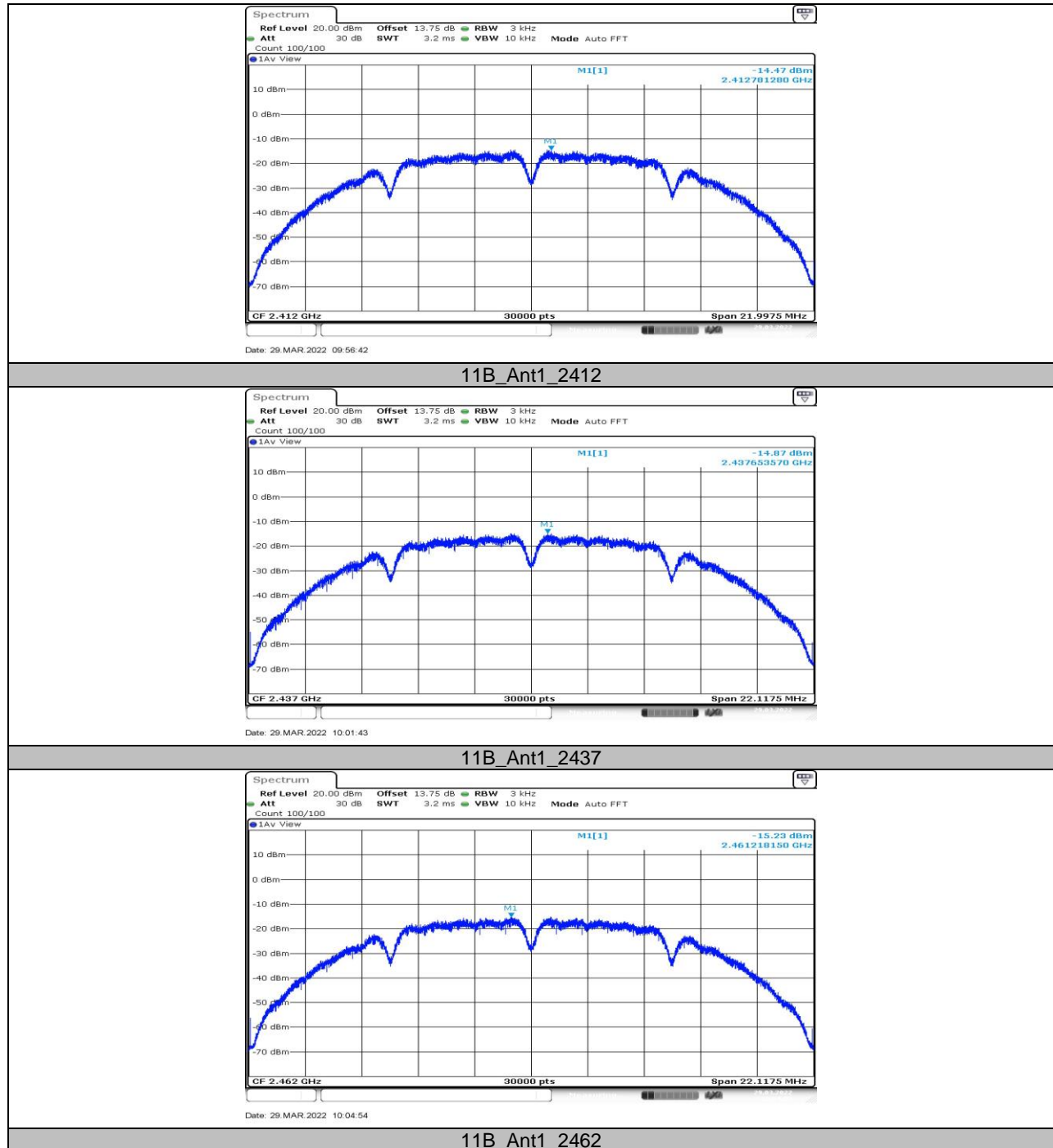
Note: 1. Conducted Power=Meas. Level+ Correction Factor

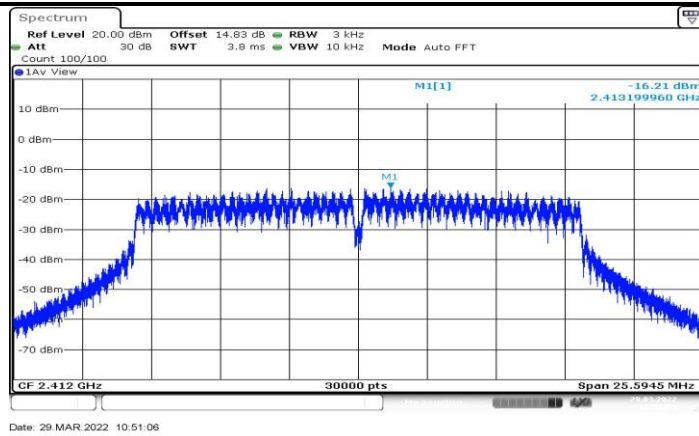
2. The Duty Cycle Factor (refer to section 7.1) had already compensated to the test data.

**11.4. Appendix D: Maximum power spectral density****11.4.1. Test Result**

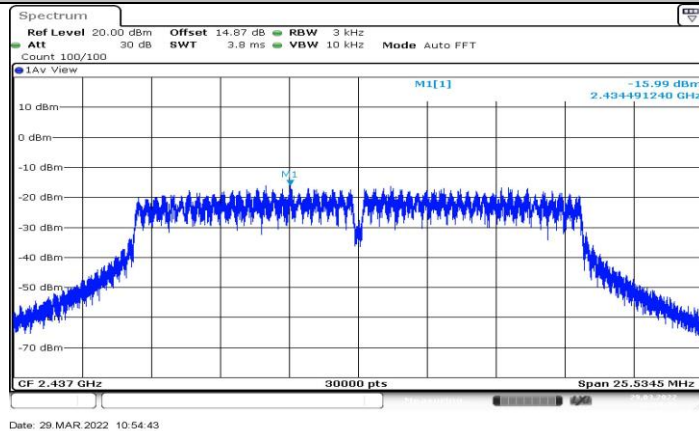
Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-14.47	≤8.00	PASS
		2437	-14.87	≤8.00	PASS
		2462	-15.23	≤8.00	PASS
11G	Ant1	2412	-16.21	≤8.00	PASS
		2437	-15.99	≤8.00	PASS
		2462	-16.29	≤8.00	PASS
11N20MIMO	Ant1	2412	-16.11	≤8.00	PASS
	Ant2	2412	-16.52	≤8.00	PASS
	total	2412	-13.30	≤8.00	PASS
	Ant1	2437	-16.7	≤8.00	PASS
	Ant2	2437	-17.19	≤8.00	PASS
	total	2437	-13.93	≤8.00	PASS
	Ant1	2462	-16.88	≤8.00	PASS
	Ant2	2462	-16.54	≤8.00	PASS
	total	2462	-13.70	≤8.00	PASS
11N40MIMO	Ant1	2422	-16.97	≤8.00	PASS
	Ant2	2422	-17.52	≤8.00	PASS
	total	2422	-14.23	≤8.00	PASS
	Ant1	2437	-17.7	≤8.00	PASS
	Ant2	2437	-17.66	≤8.00	PASS
	total	2437	-14.67	≤8.00	PASS
	Ant1	2452	-17.25	≤8.00	PASS
	Ant2	2452	-17.38	≤8.00	PASS
	total	2452	-14.30	≤8.00	PASS

11.4.2. Test Graphs

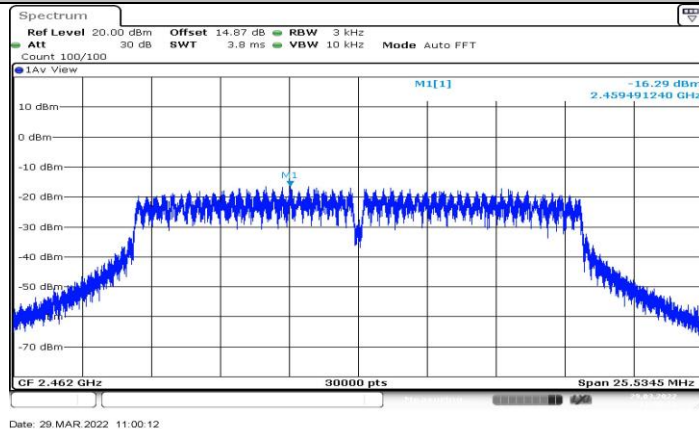




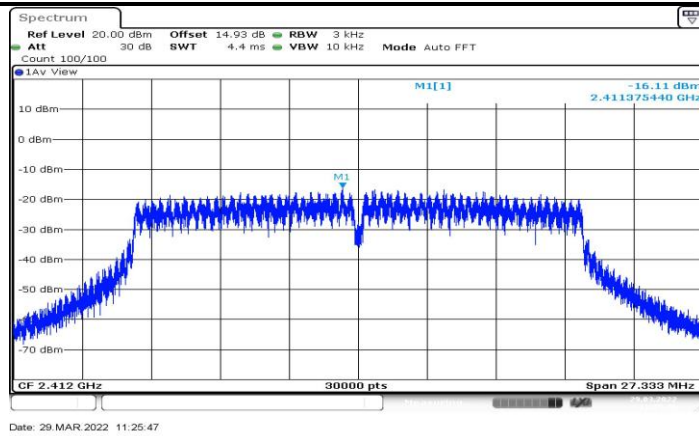
11G_Ant1_2412



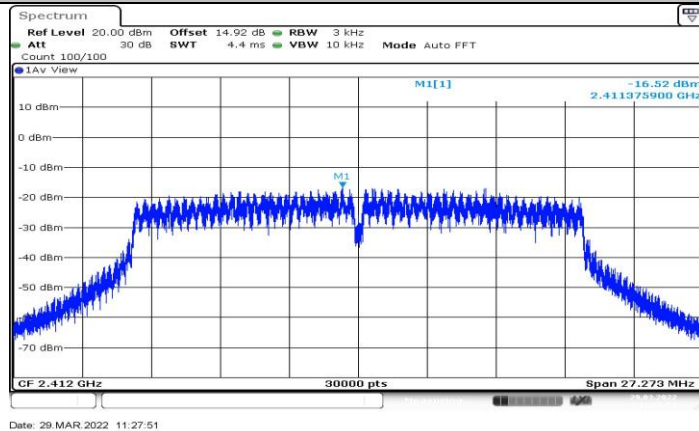
11G_Ant1_2437



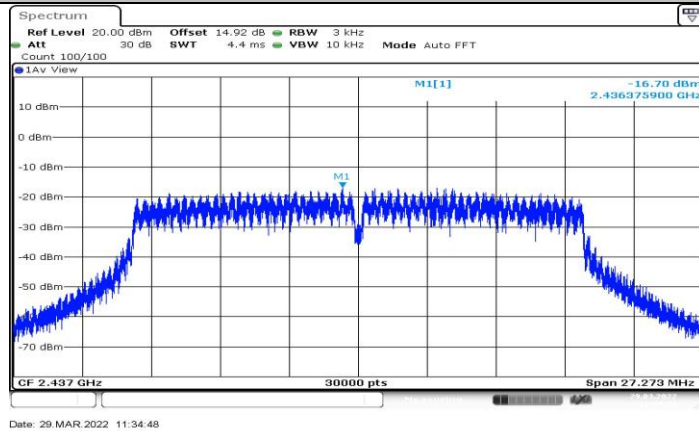
11G_Ant1_2462



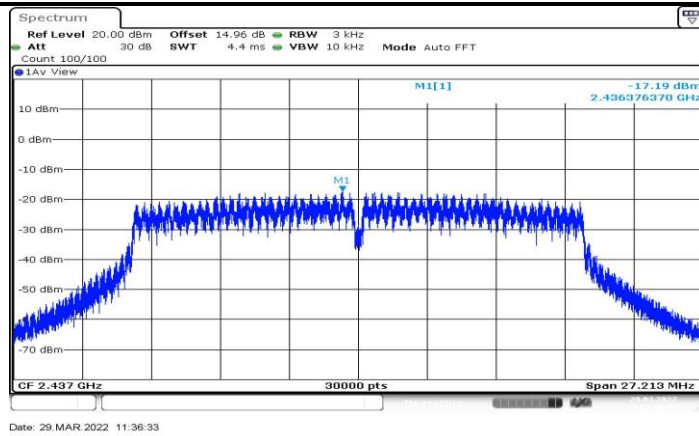
11N20MIMO_Ant1_2412



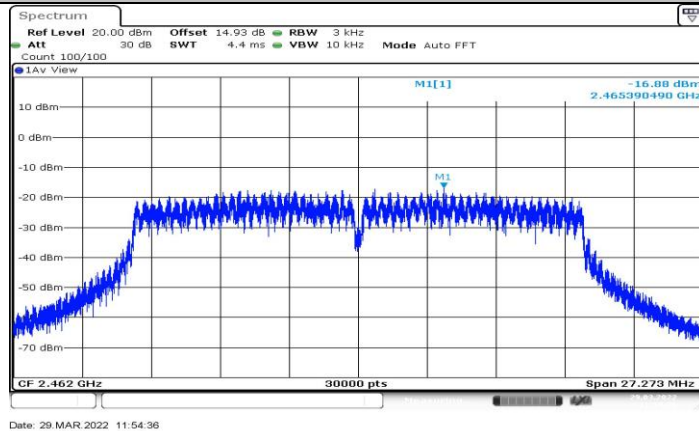
11N20MIMO_Ant2_2412



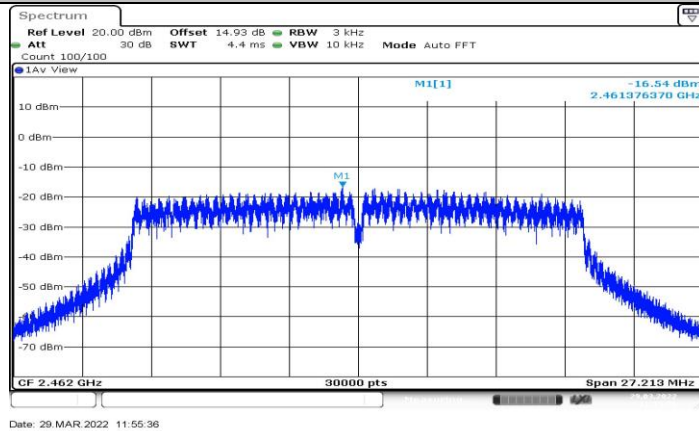
11N20MIMO_Ant1_2437



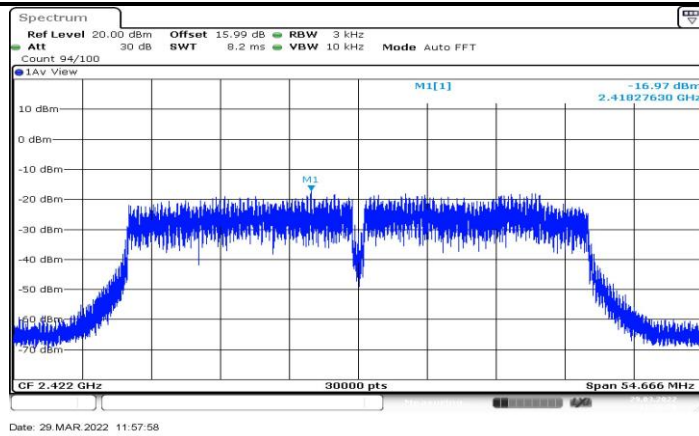
11N20MIMO_Ant2_2437



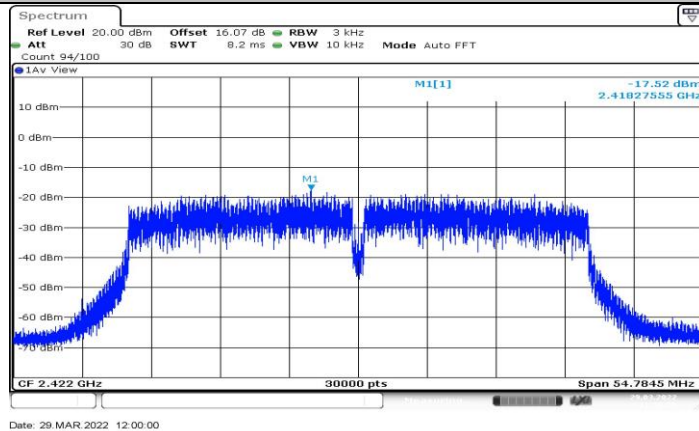
11N20MIMO_Ant1_2462



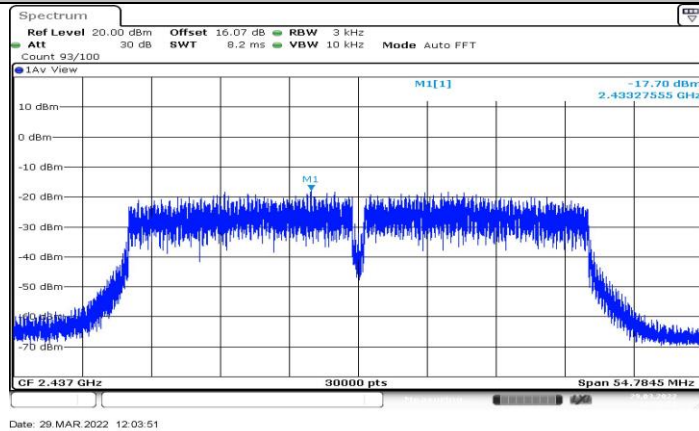
11N20MIMO_Ant2_2462



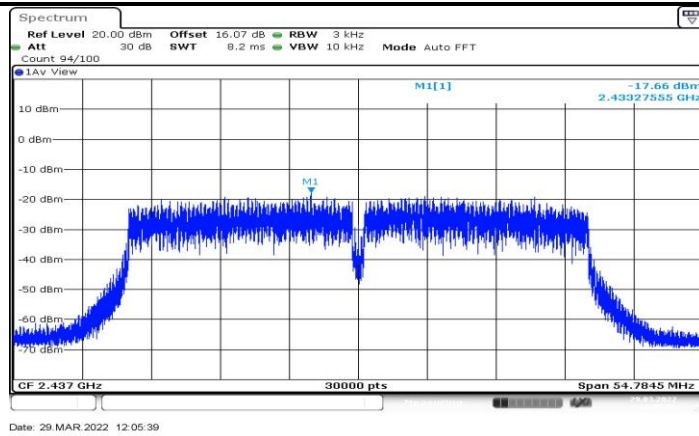
11N40MIMO_Ant1_2422



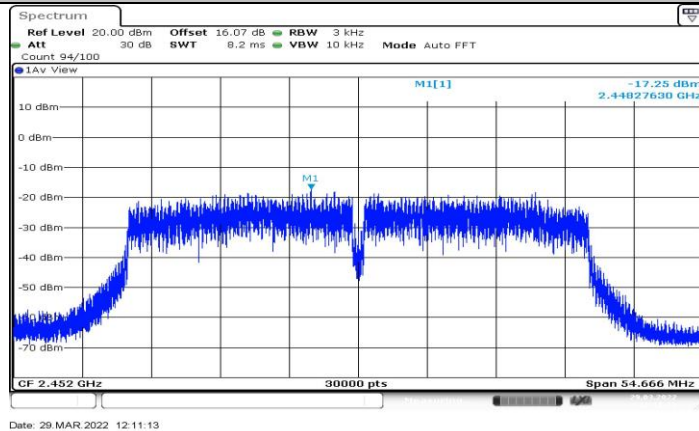
11N40MIMO_Ant2_2422



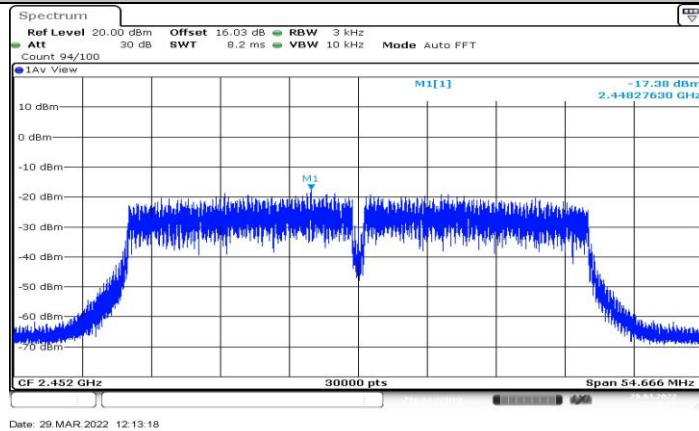
11N40MIMO_Ant1_2437



11N40MIMO_Ant2_2437



11N40MIMO_Ant1_2452



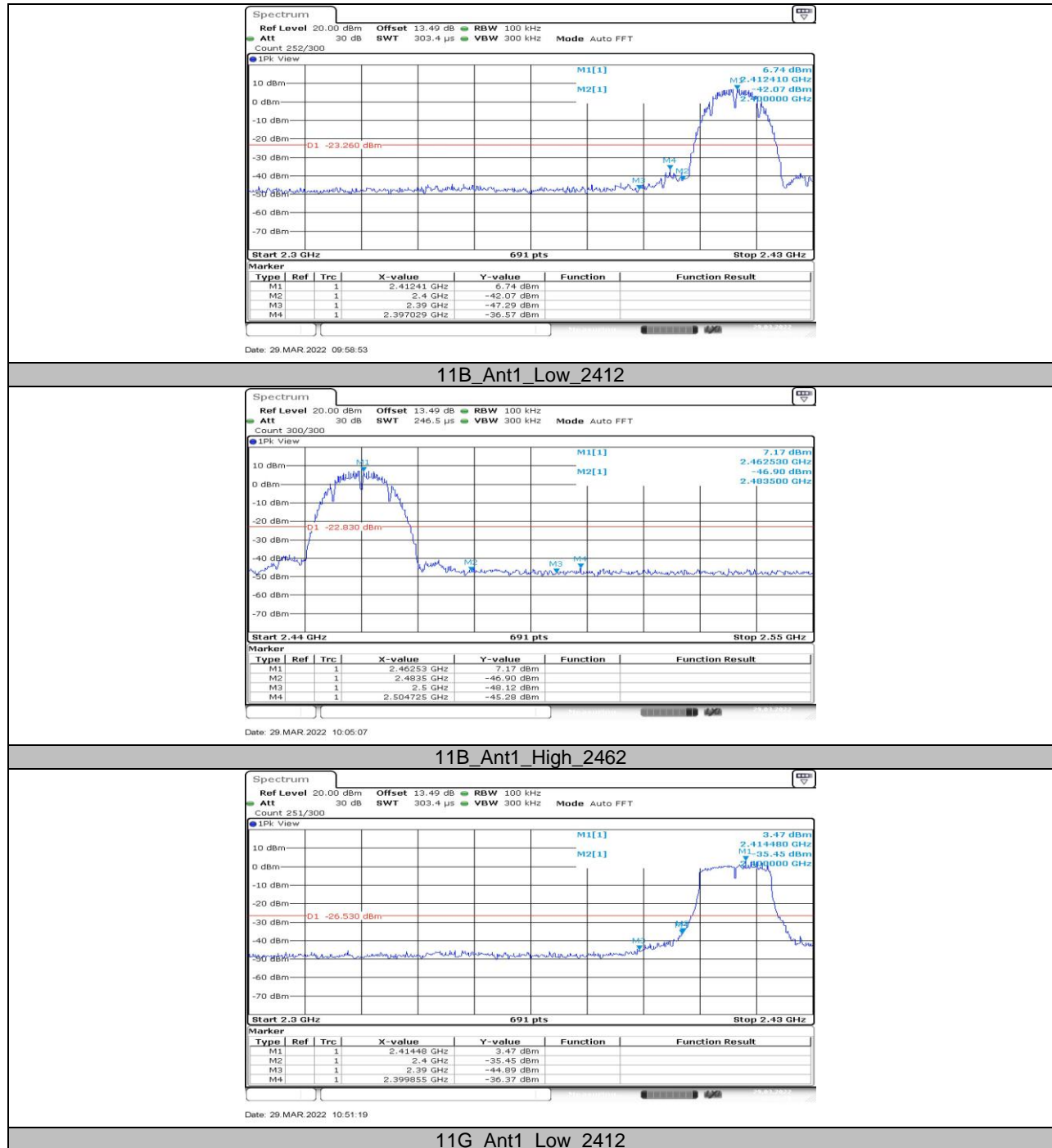
11N40MIMO_Ant2_2452

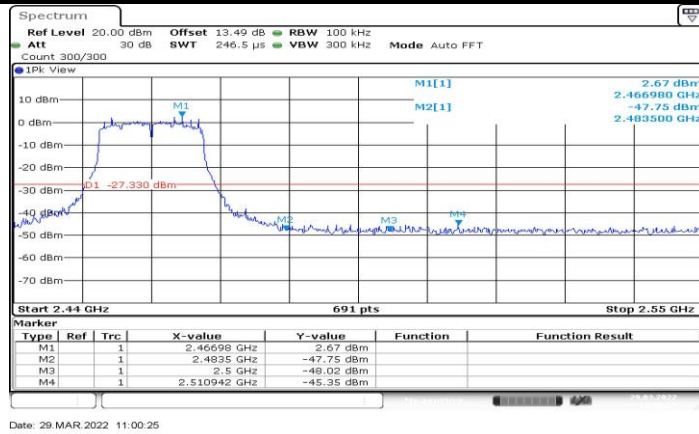
**11.5. Appendix E: Band edge measurements****11.5.1. Test Result**

Test Mode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	6.74	-36.57	≤ -23.26	PASS
		High	2462	7.17	-45.28	≤ -22.83	PASS
11G	Ant1	Low	2412	3.47	-36.37	≤ -26.53	PASS
		High	2462	2.67	-45.35	≤ -27.33	PASS
11N20MIMO	Ant1	Low	2412	3.14	-36.29	≤ -26.86	PASS
	Ant2	Low	2412	2.19	-34.9	≤ -27.81	PASS
	Ant1	High	2462	2.01	-44.29	≤ -27.99	PASS
	Ant2	High	2462	2.36	-45.21	≤ -27.64	PASS
11N40MIMO	Ant1	Low	2422	1.21	-37.39	≤ -28.79	PASS
	Ant2	Low	2422	-0.38	-38.89	≤ -30.38	PASS
	Ant1	High	2452	0.43	-41.99	≤ -29.57	PASS
	Ant2	High	2452	0.52	-43.22	≤ -29.48	PASS

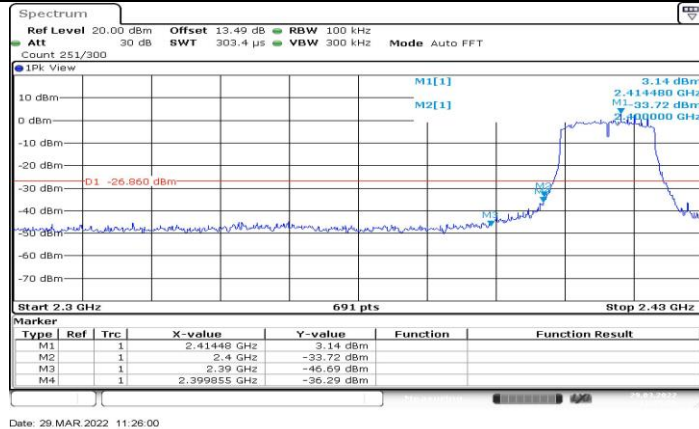


11.5.2. Test Graphs

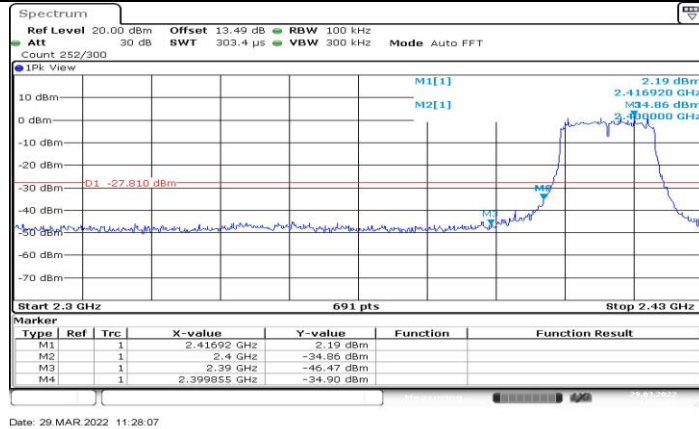




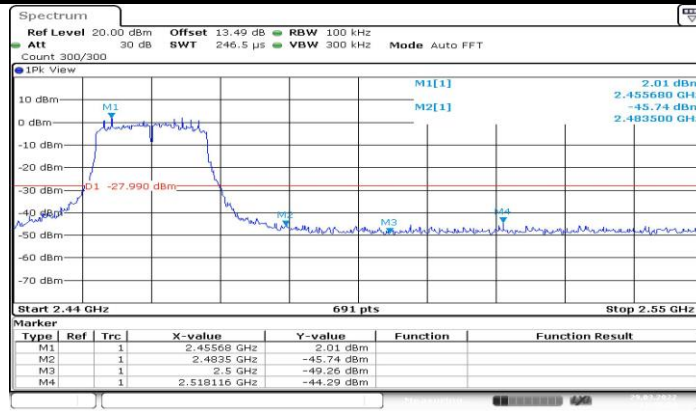
11G_Ant1_High_2462



11N20MIMO_Ant1_Low_2412

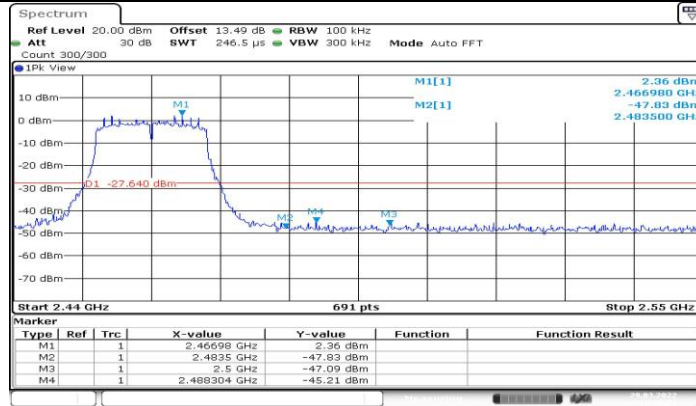


11N20MIMO_Ant2_Low_2412



Date: 29.MAR.2022 11:47:24

11N20MIMO_Ant1_High_2462



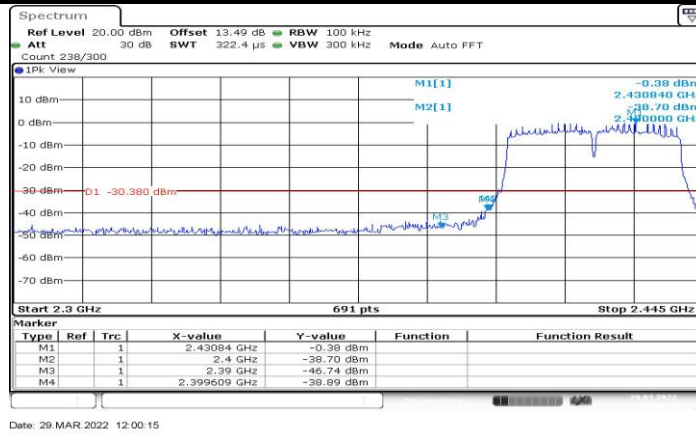
Date: 29.MAR.2022 11:48:21

11N20MIMO_Ant2_High_2462

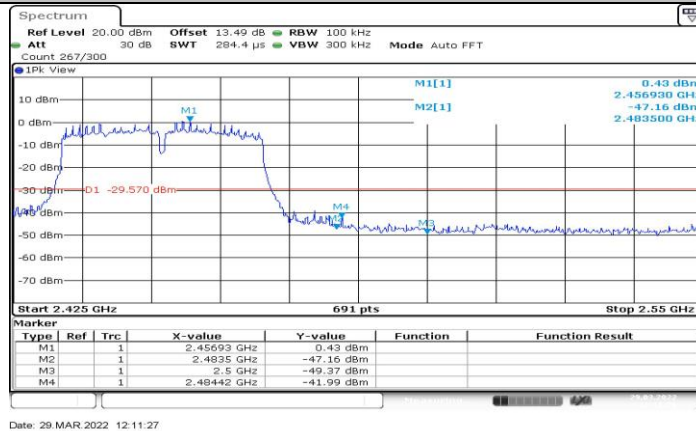


Date: 29.MAR.2022 11:58:10

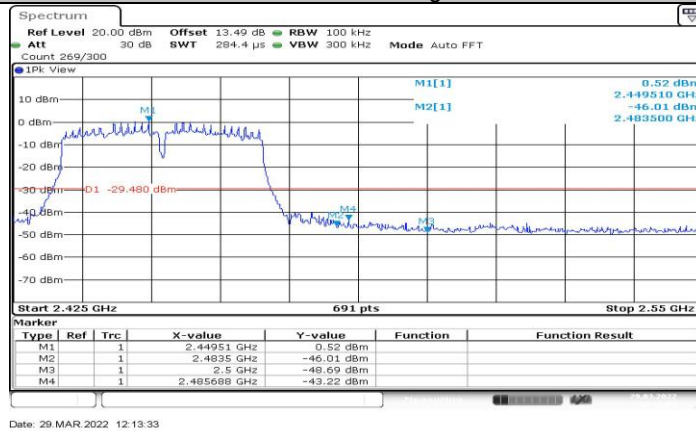
11N40MIMO_Ant1_Low_2422



11N40MIMO_Ant2_Low_2422



11N40MIMO_Ant1_High_2452

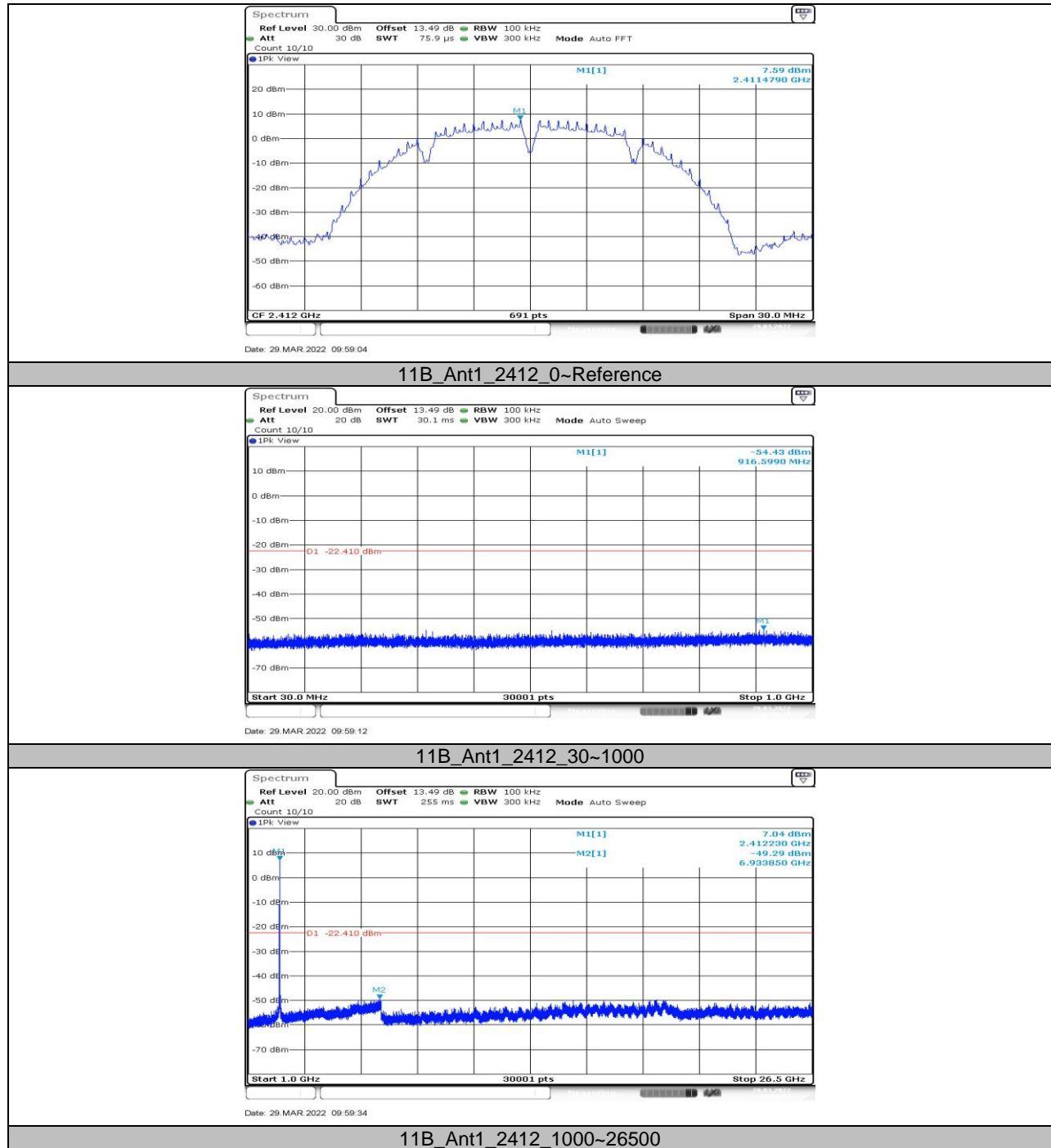


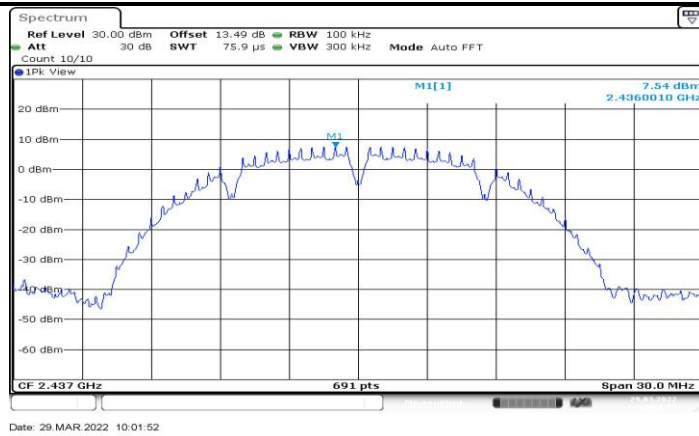
11N40MIMO_Ant2_High_2452

**11.6. Appendix F: Conducted Spurious Emission****11.6.1. Test Result**

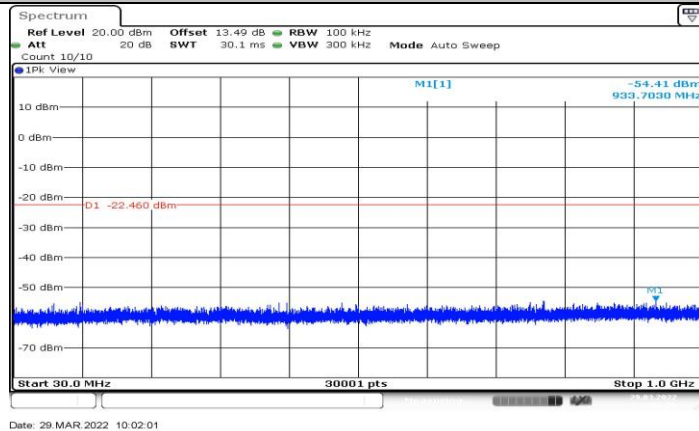
Test Mode	Antenna	Channel	FreqRange [Mhz]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	7.59	---	PASS
			30~1000	-54.43	≤-22.41	PASS
			1000~26500	-49.29	≤-22.41	PASS
		2437	Reference	7.54	---	PASS
			30~1000	-54.41	≤-22.46	PASS
			1000~26500	-48.94	≤-22.46	PASS
		2462	Reference	7.29	---	PASS
			30~1000	-54.76	≤-22.71	PASS
			1000~26500	-48.83	≤-22.71	PASS
11G	Ant1	2412	Reference	0.80	---	PASS
			30~1000	-54.78	≤-29.2	PASS
			1000~26500	-49.32	≤-29.2	PASS
		2437	Reference	3.38	---	PASS
			30~1000	-54.58	≤-26.62	PASS
			1000~26500	-49.15	≤-26.62	PASS
		2462	Reference	3.55	---	PASS
			30~1000	-53.61	≤-26.45	PASS
			1000~26500	-49.08	≤-26.45	PASS
11N20MIMO	Ant1	2412	Reference	1.95	---	PASS
			30~1000	-54.72	≤-28.05	PASS
			1000~26500	-49.48	≤-28.05	PASS
	Ant2	2412	Reference	2.80	---	PASS
			30~1000	-53.95	≤-27.2	PASS
			1000~26500	-48.76	≤-27.2	PASS
	Ant1	2437	Reference	2.86	---	PASS
			30~1000	-53.7	≤-27.14	PASS
			1000~26500	-49.68	≤-27.14	PASS
	Ant2	2437	Reference	2.63	---	PASS
			30~1000	-54.39	≤-27.37	PASS
			1000~26500	-48.98	≤-27.37	PASS
	Ant1	2462	Reference	3.15	---	PASS
			30~1000	-54.41	≤-26.85	PASS
			1000~26500	-49.77	≤-26.85	PASS
	Ant2	2462	Reference	2.24	---	PASS
			30~1000	-54.27	≤-27.76	PASS
			1000~26500	-49.66	≤-27.76	PASS
11N40MIMO	Ant1	2422	Reference	0.99	---	PASS
			30~1000	-54.24	≤-29.01	PASS
			1000~26500	-49.2	≤-29.01	PASS
	Ant2	2422	Reference	0.24	---	PASS
			30~1000	-54.78	≤-29.76	PASS
			1000~26500	-49.25	≤-29.76	PASS
	Ant1	2437	Reference	0.62	---	PASS
			30~1000	-54.84	≤-29.38	PASS
			1000~26500	-49.68	≤-29.38	PASS
	Ant2	2437	Reference	0.43	---	PASS
			30~1000	-53.44	≤-29.57	PASS
			1000~26500	-49.04	≤-29.57	PASS
	Ant1	2452	Reference	0.44	---	PASS
			30~1000	-54.38	≤-29.56	PASS
			1000~26500	-49.41	≤-29.56	PASS
	Ant2	2452	Reference	0.10	---	PASS
			30~1000	-54.77	≤-29.9	PASS
			1000~26500	-49.76	≤-29.9	PASS

11.6.2. Test Graphs

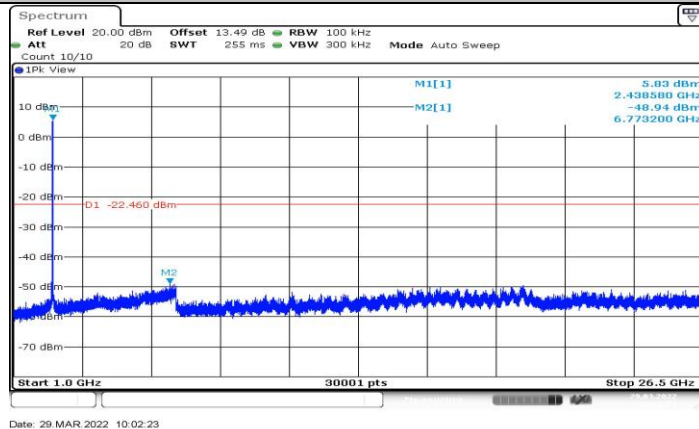




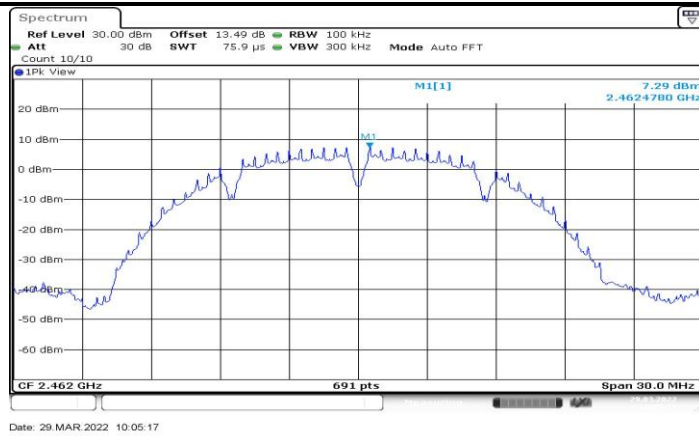
11B_Ant1_2437_0~Reference



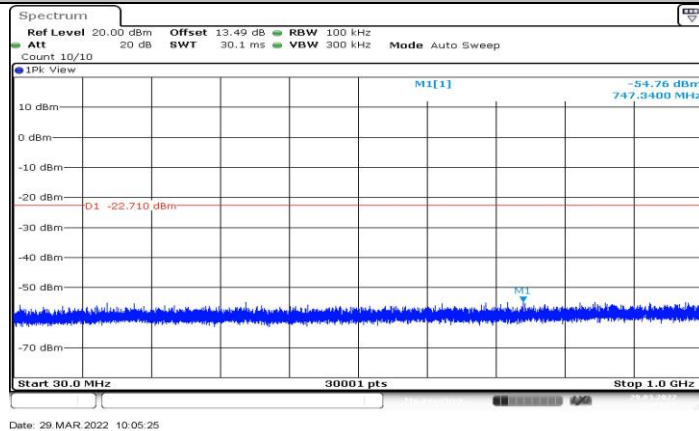
11B_Ant1_2437_30~1000



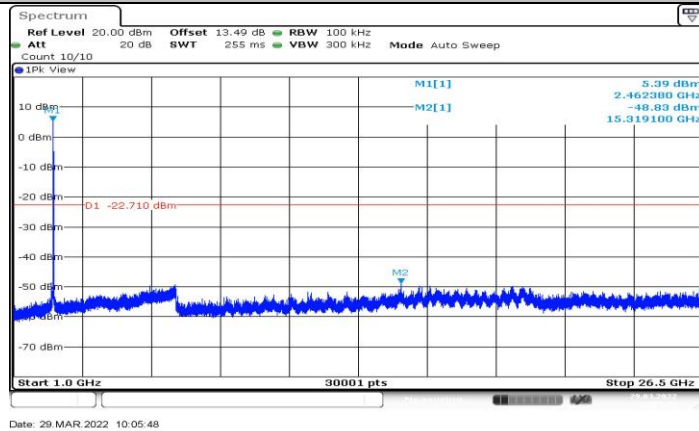
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



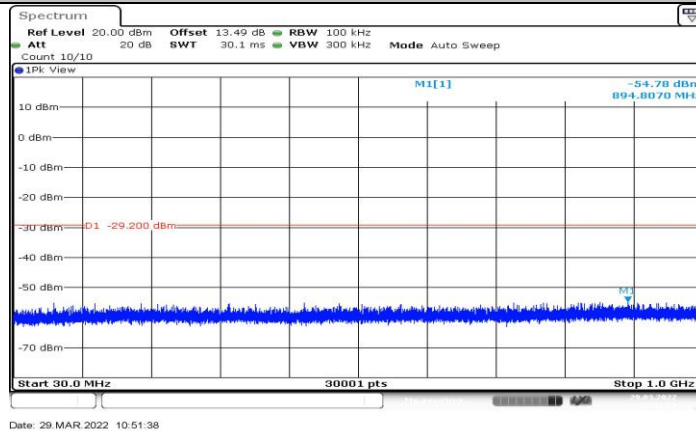
11B_Ant1_2462_30~1000



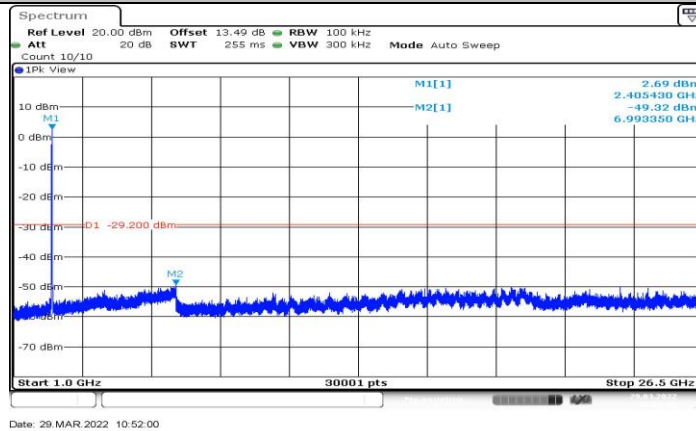
11B_Ant1_2462_1000~26500



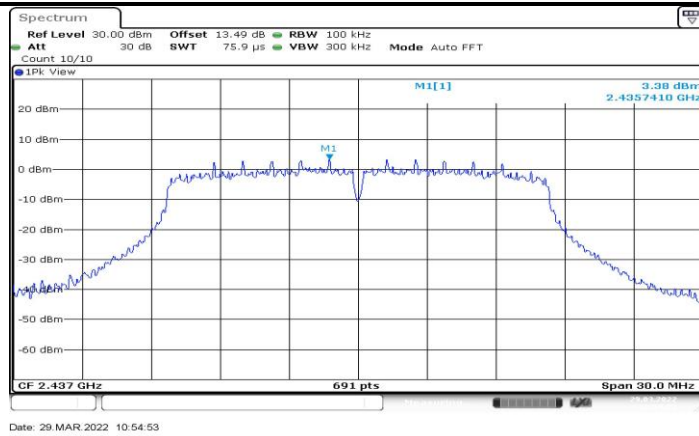
11G_Ant1_2412_0~Reference



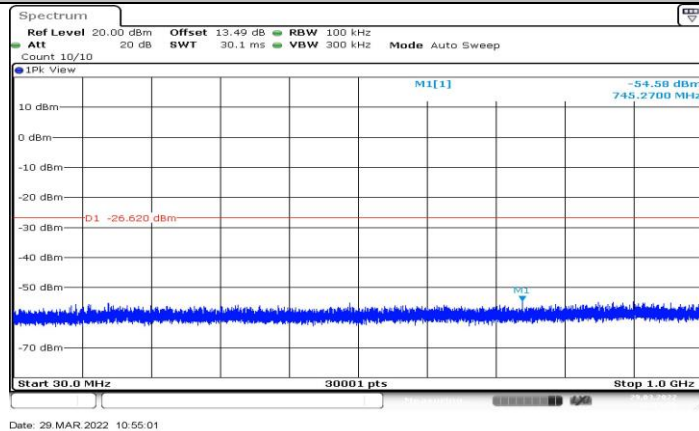
11G_Ant1_2412_30~1000



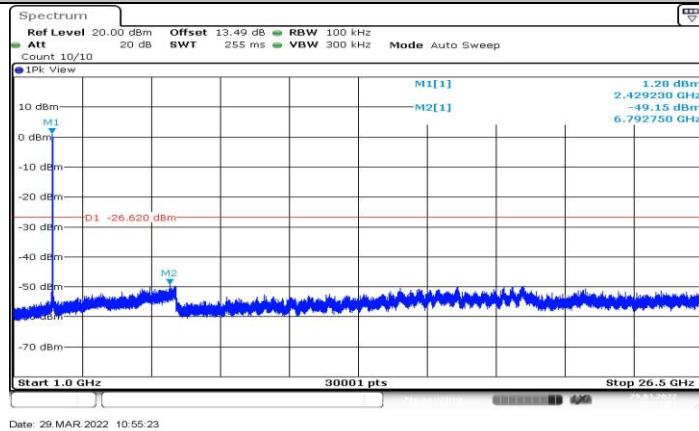
11G_Ant1_2412_1000~26500



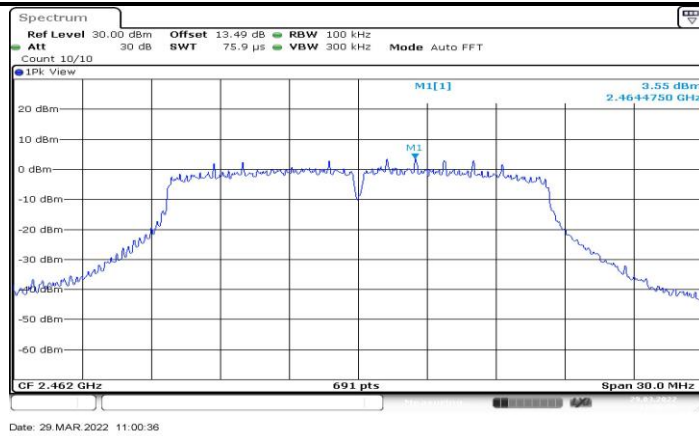
11G_Ant1_2437_0~Reference



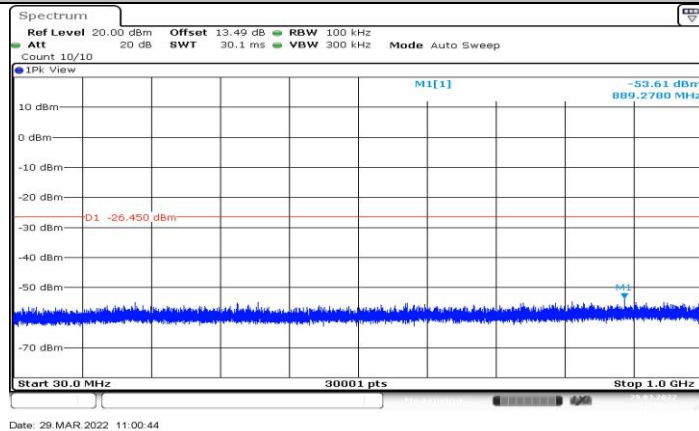
11G_Ant1_2437_30~1000



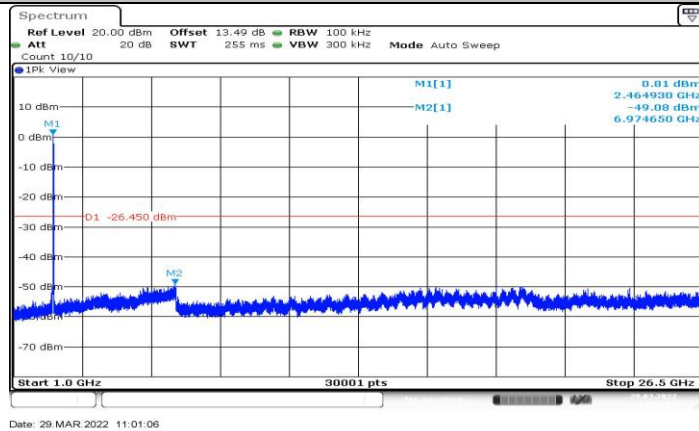
11G_Ant1_2437_1000~26500



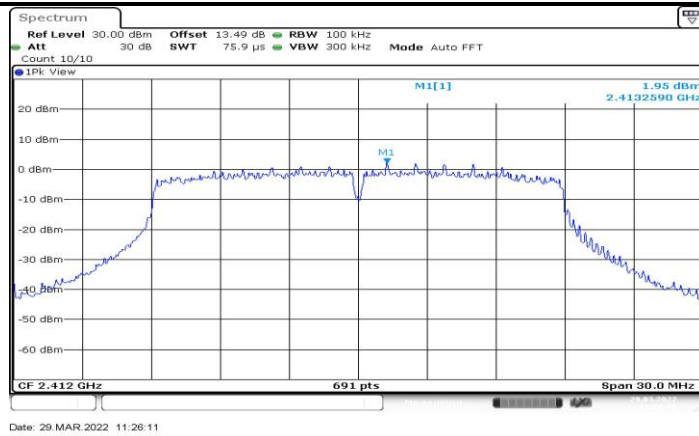
11G_Ant1_2462_0~Reference



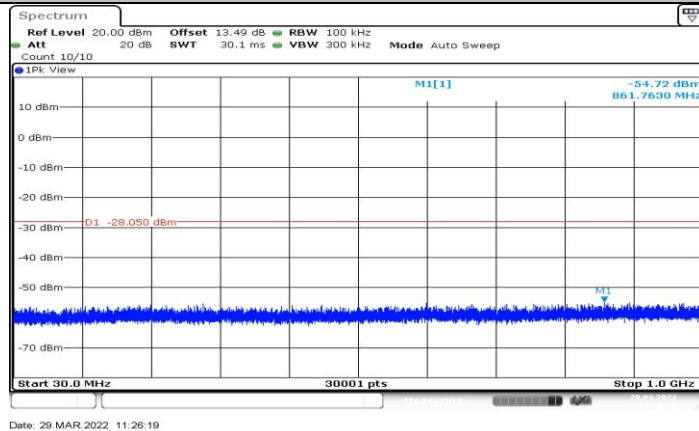
11G_Ant1_2462_30~1000



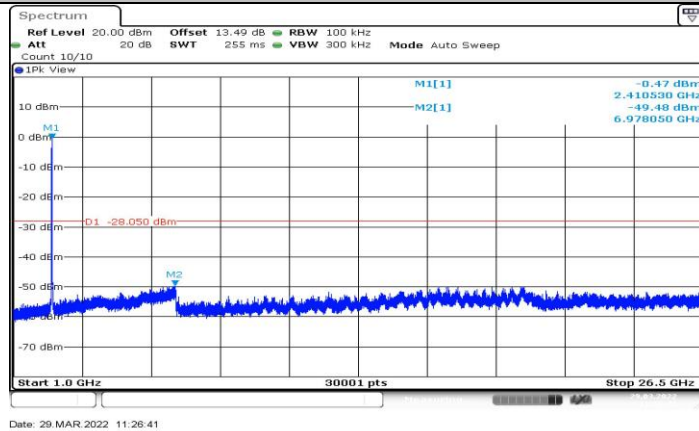
11G_Ant1_2462_1000~26500



11N20MIMO_Ant1_2412_0~Reference



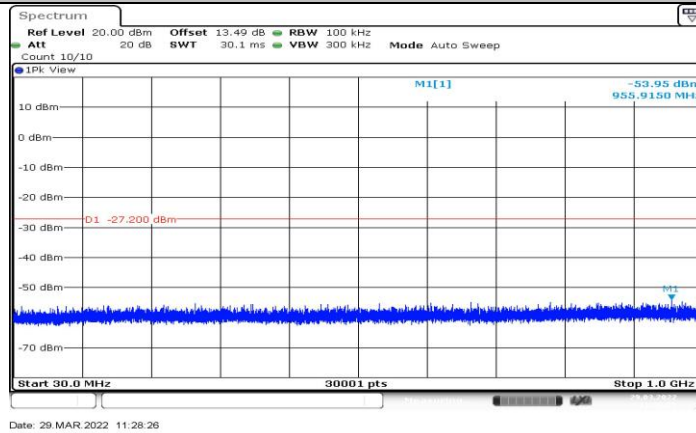
11N20MIMO_Ant1_2412_30~1000



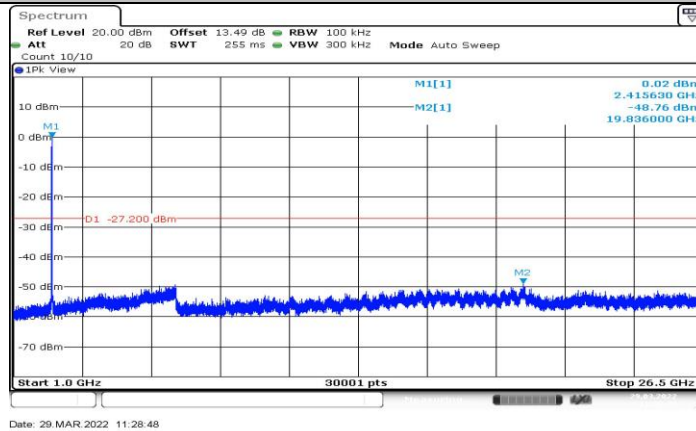
11N20MIMO_Ant1_2412_1000~26500



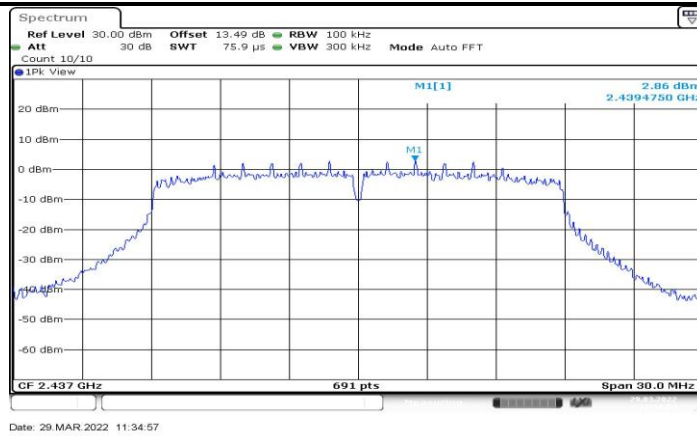
11N20MIMO_Ant2_2412_0~Reference



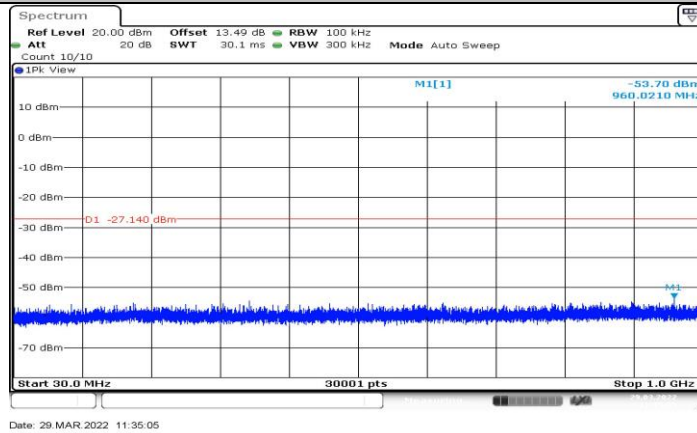
11N20MIMO_Ant2_2412_30~1000



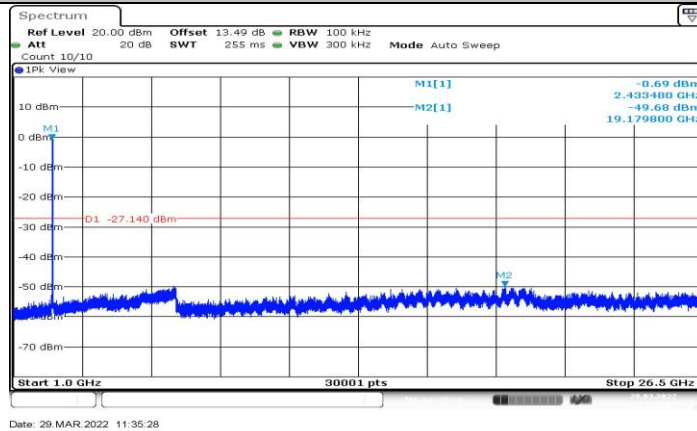
11N20MIMO_Ant2_2412_1000~26500



11N20MIMO_Ant1_2437_0~Reference



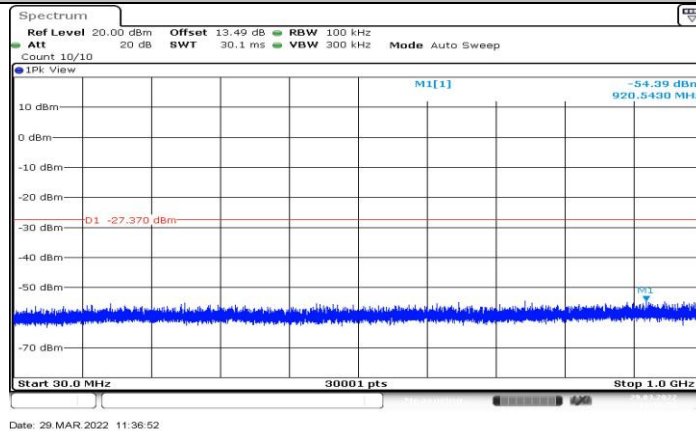
11N20MIMO_Ant1_2437_30~1000



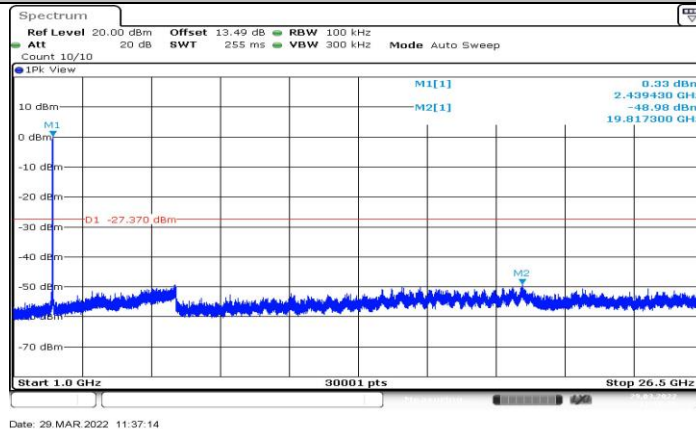
11N20MIMO_Ant1_2437_1000~26500



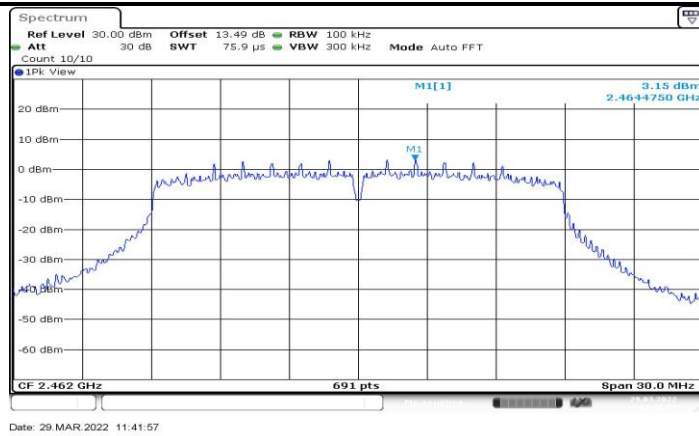
11N20MIMO_Ant2_2437_0~Reference



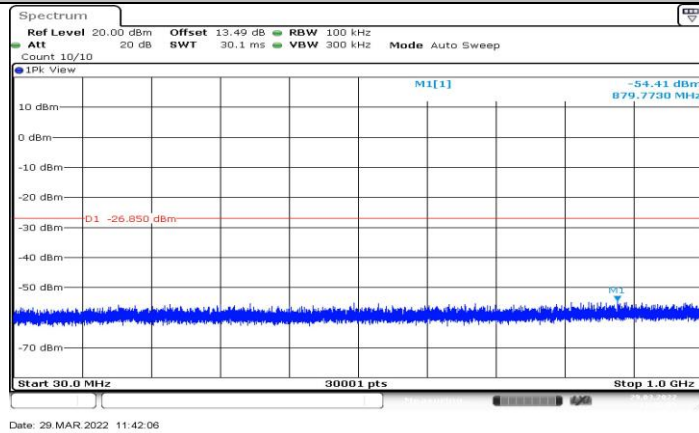
11N20MIMO_Ant2_2437_30~1000



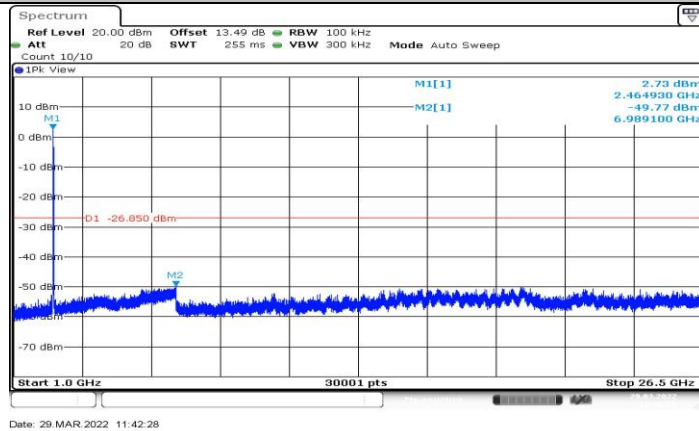
11N20MIMO_Ant2_2437_1000~26500



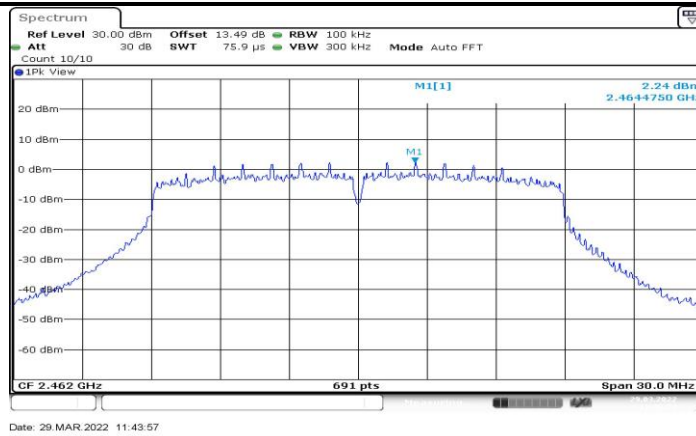
11N20MIMO_Ant1_2462_0~Reference



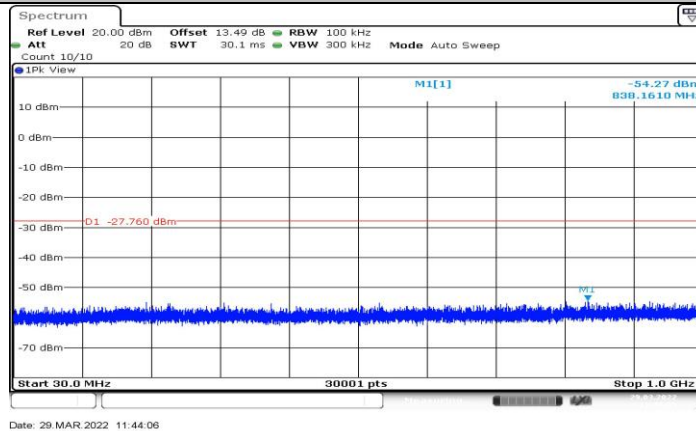
11N20MIMO_Ant1_2462_30~1000



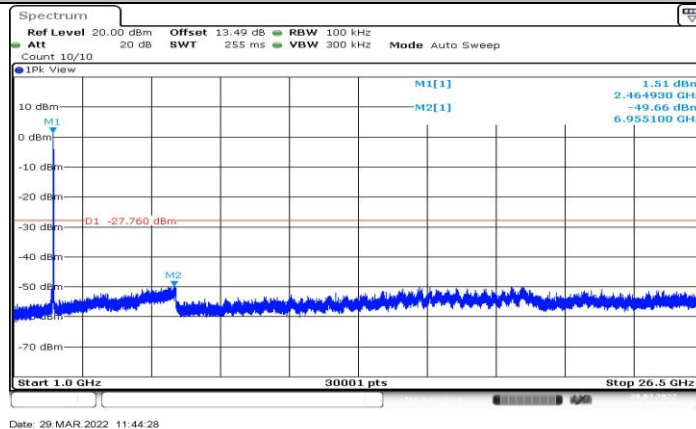
11N20MIMO_Ant1_2462_1000~26500



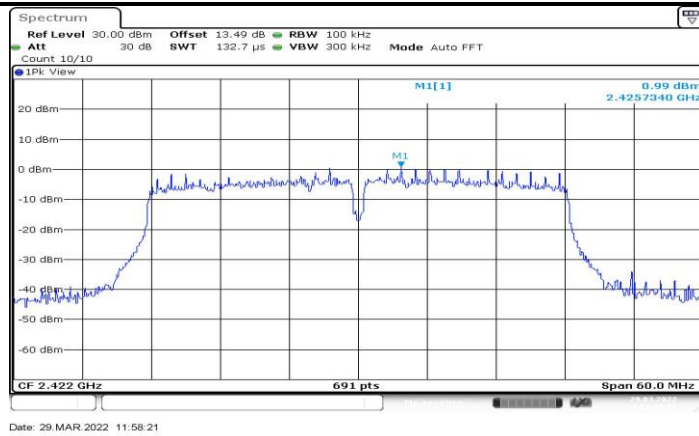
11N20MIMO_Ant2_2462_0~Reference



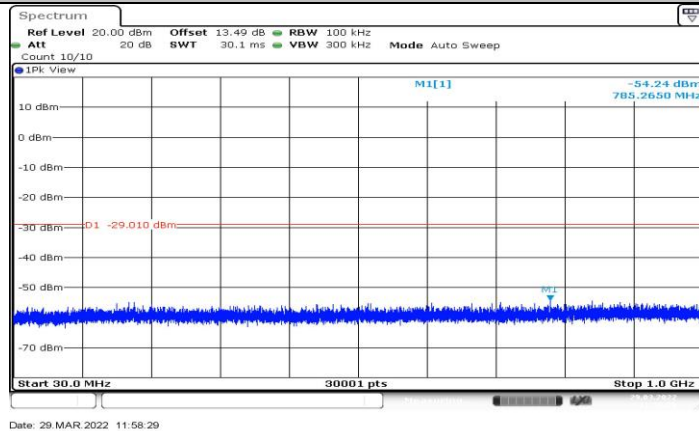
11N20MIMO_Ant2_2462_30~1000



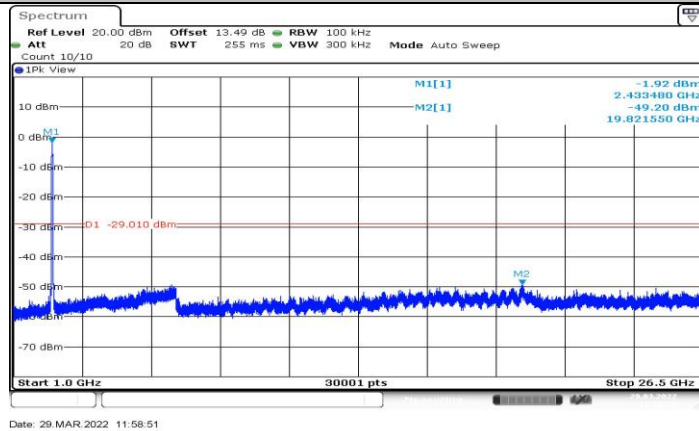
11N20MIMO_Ant2_2462_1000~26500



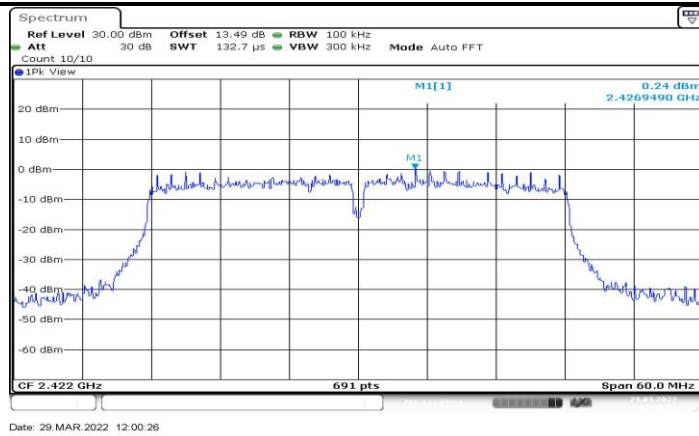
11N40MIMO_Ant1_2422_0~Reference



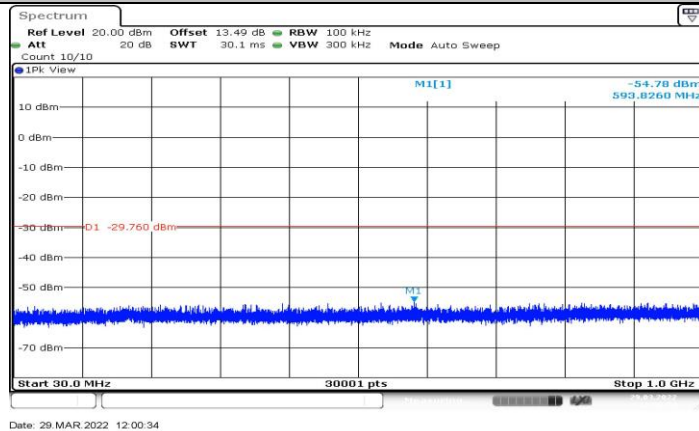
11N40MIMO_Ant1_2422_30~1000



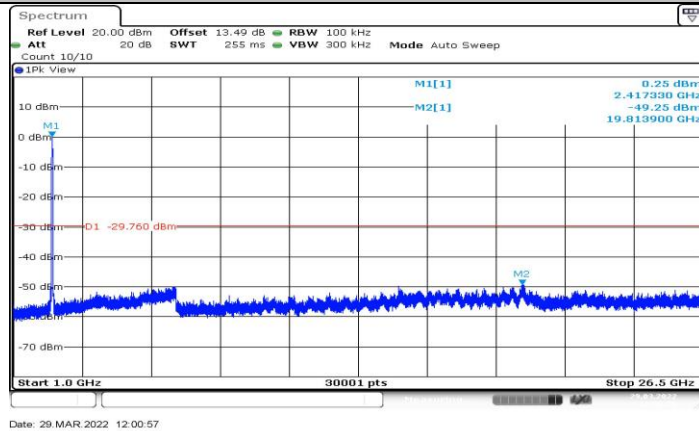
11N40MIMO_Ant1_2422_1000~26500



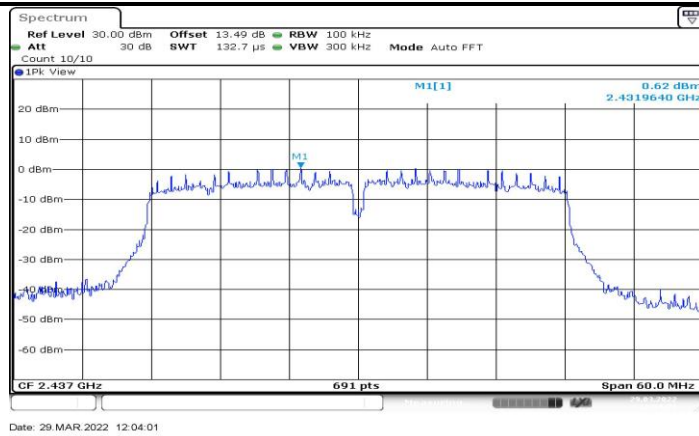
11N40MIMO_Ant2_2422_0~Reference



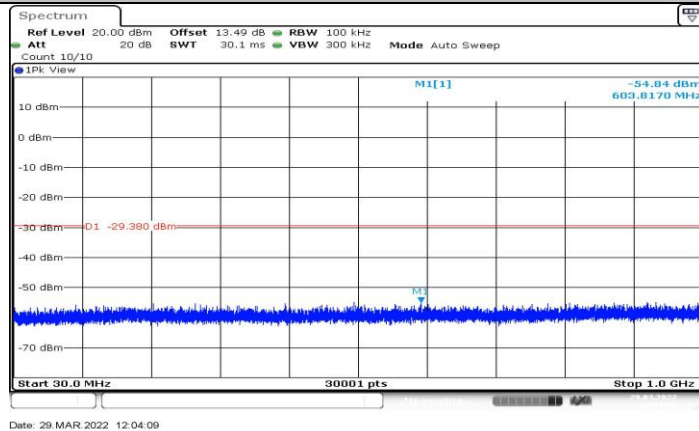
11N40MIMO_Ant2_2422_30~1000



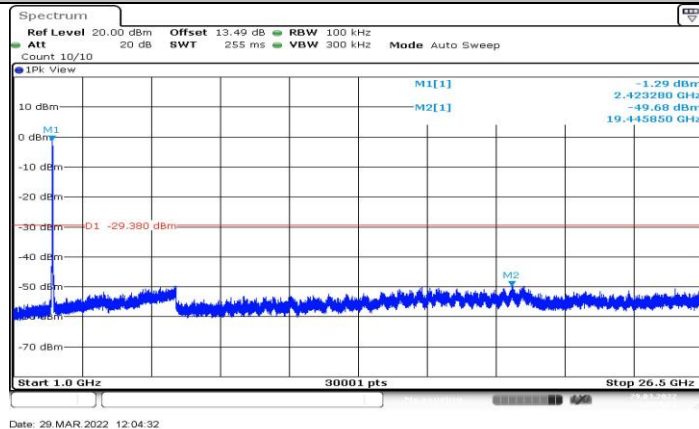
11N40MIMO_Ant2_2422_1000~26500



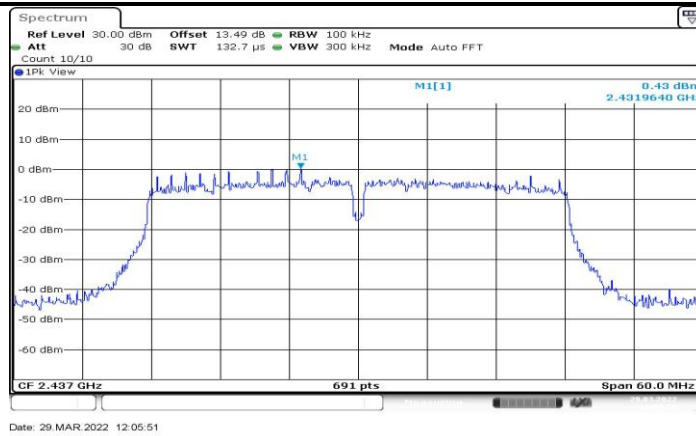
11N40MIMO_Ant1_2437_0~Reference



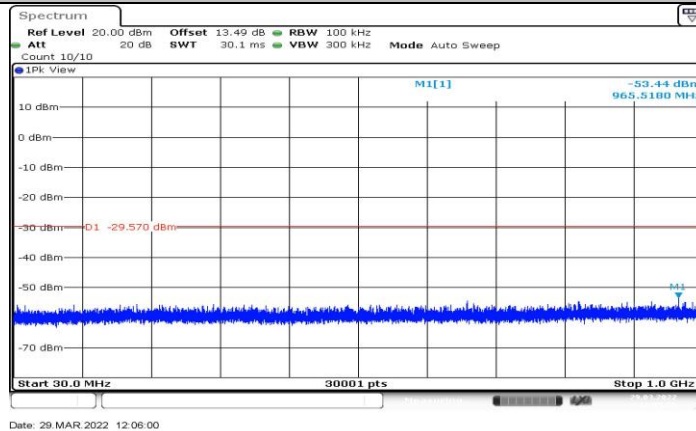
11N40MIMO_Ant1_2437_30~1000



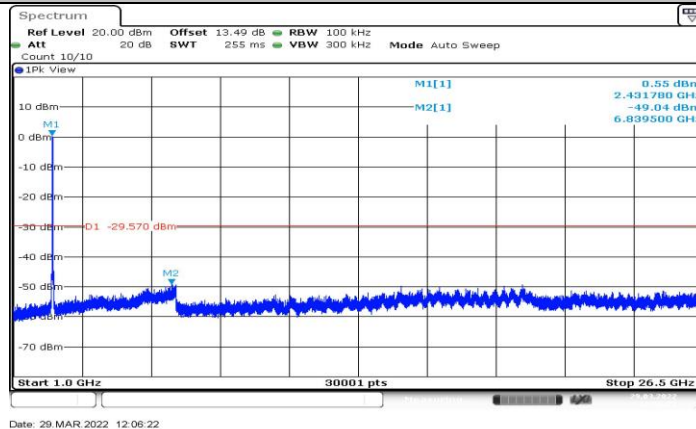
11N40MIMO_Ant1_2437_1000~26500



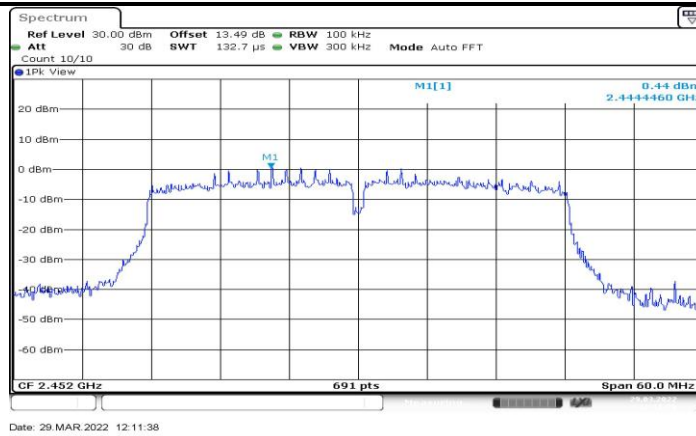
11N40MIMO_Ant2_2437_0~Reference



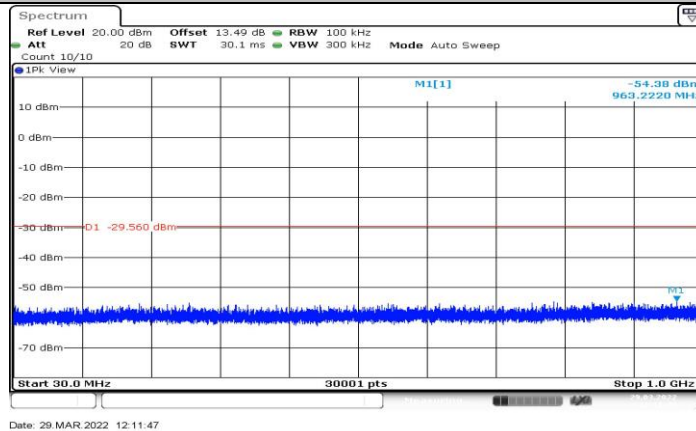
11N40MIMO_Ant2_2437_30~1000



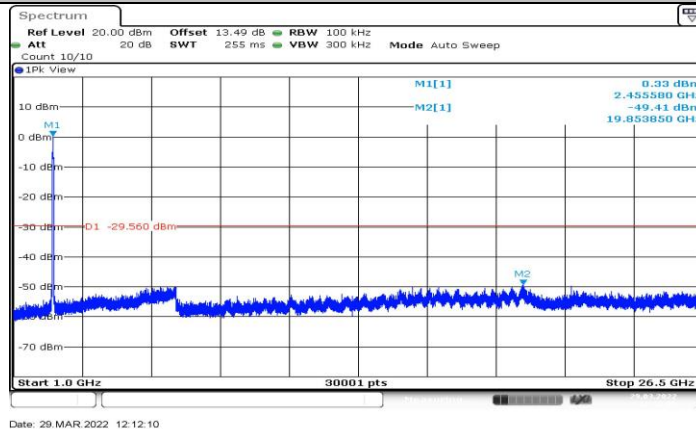
11N40MIMO_Ant2_2437_1000~26500



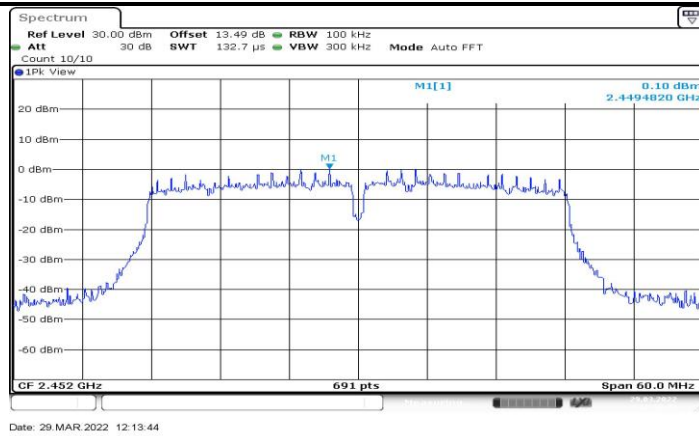
11N40MIMO_Ant1_2452_0~Reference



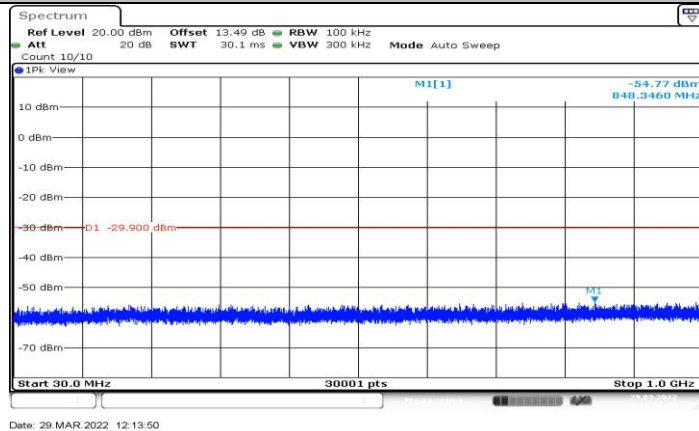
11N40MIMO_Ant1_2452_30~1000



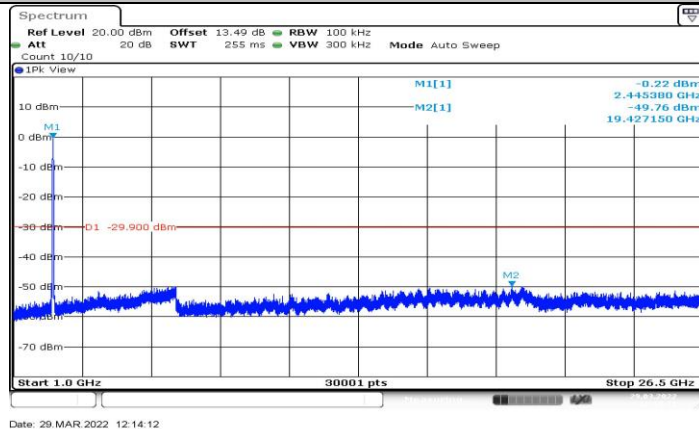
11N40MIMO_Ant1_2452_1000~26500



11N40MIMO_Ant2_2452_0~Reference



11N40MIMO_Ant2_2452_30~1000



11N40MIMO_Ant2_2452_1000~26500

**11.7. Appendix G: Duty Cycle****11.7.1. Test Result**

Test 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	8.18	8.68	0.9424	94.24	0.26	0.12	0.5
11G	1.36	1.85	0.7351	73.51	1.34	0.74	1
11N20MIMO	1.27	1.77	0.7175	71.75	1.44	0.79	1
11N40MIMO	0.63	1.12	0.5625	56.25	2.50	1.59	2

Note:

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

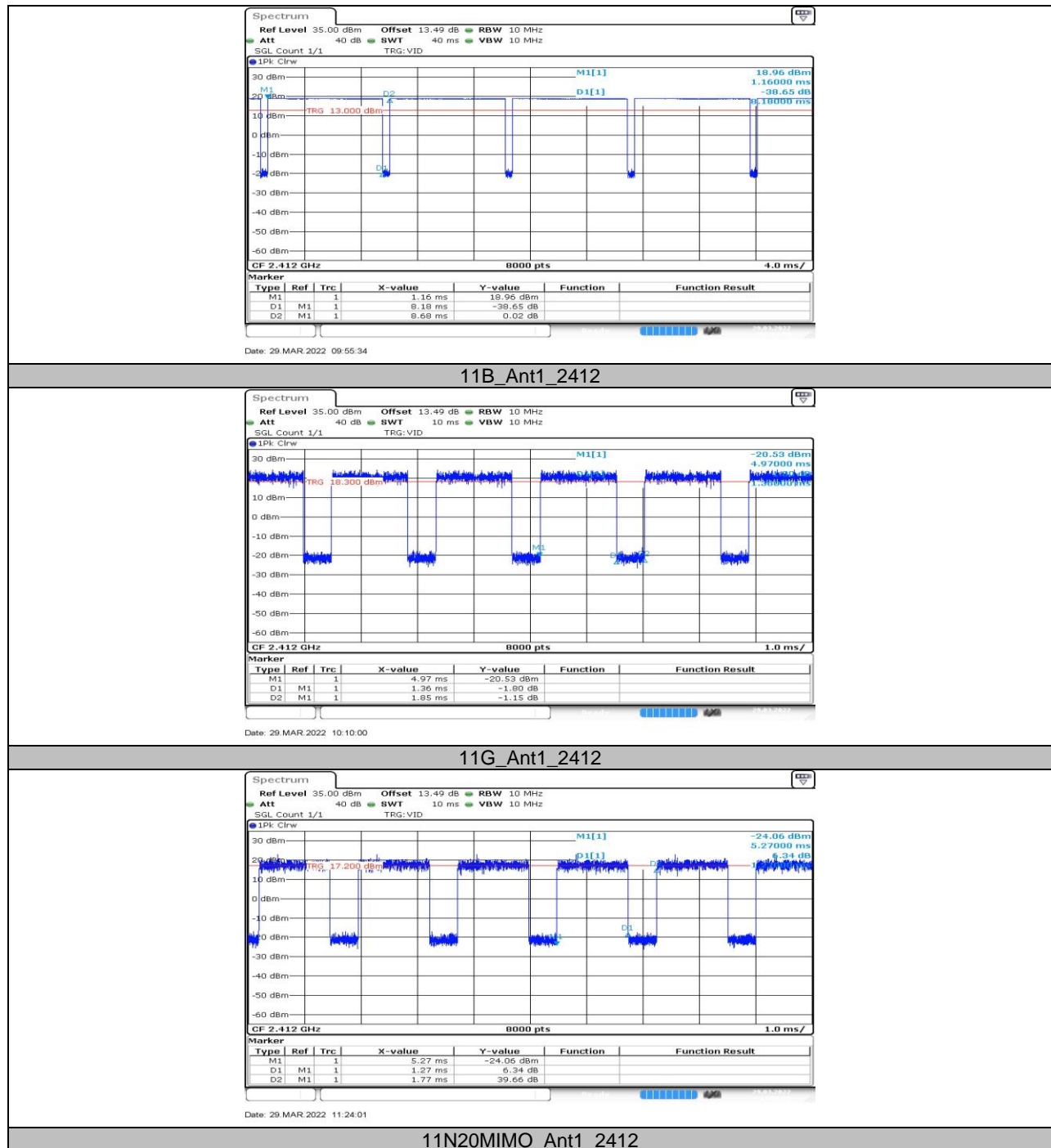
Where: x is Duty Cycle (Linear)

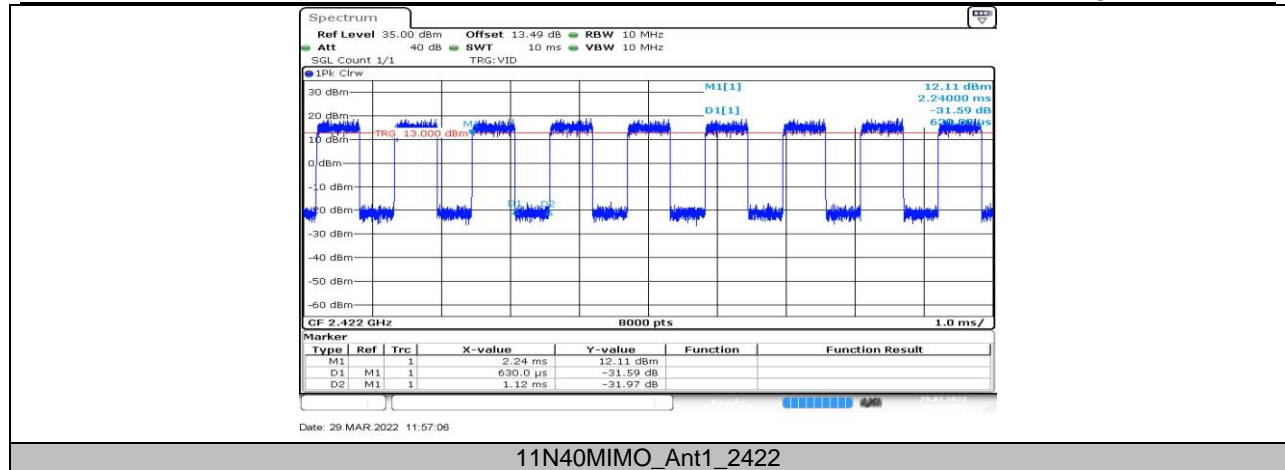
Where: T is On Time

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



11.7.2. Test Graphs





END OF REPORT