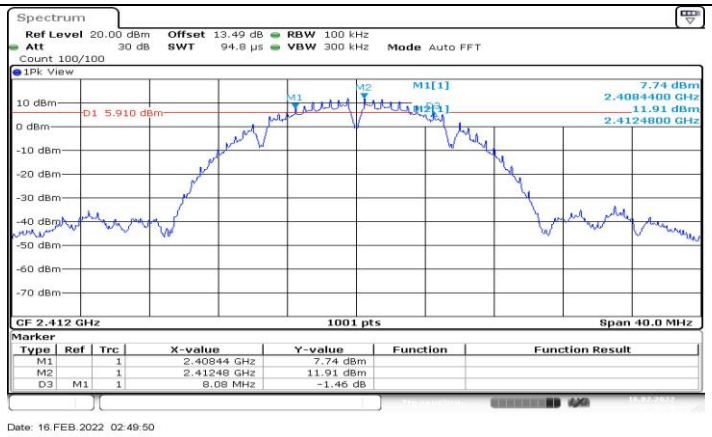
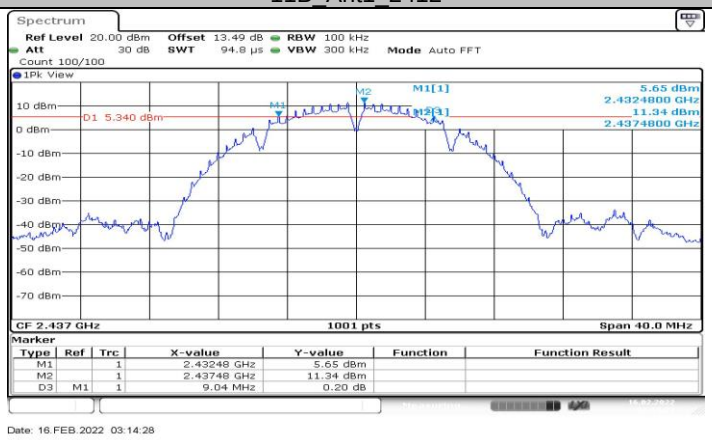
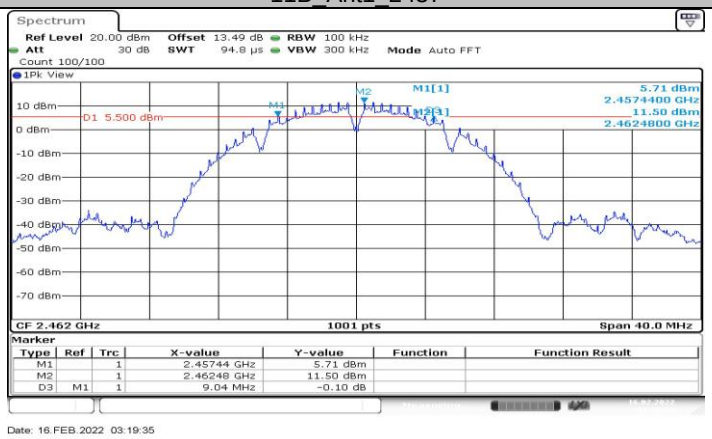
11.1.2. Test Graphs



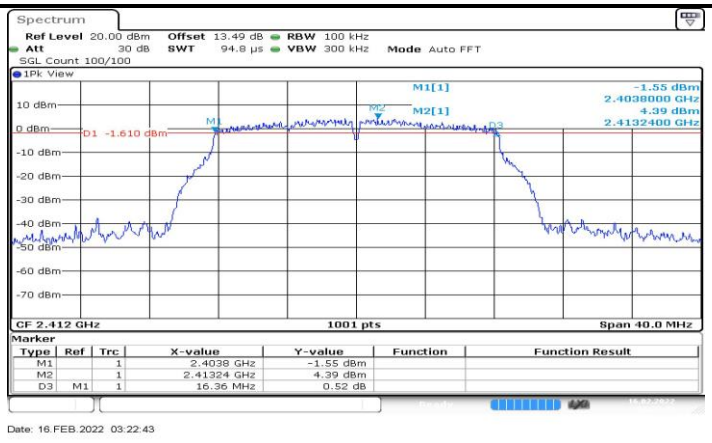
11B_Ant1_2412



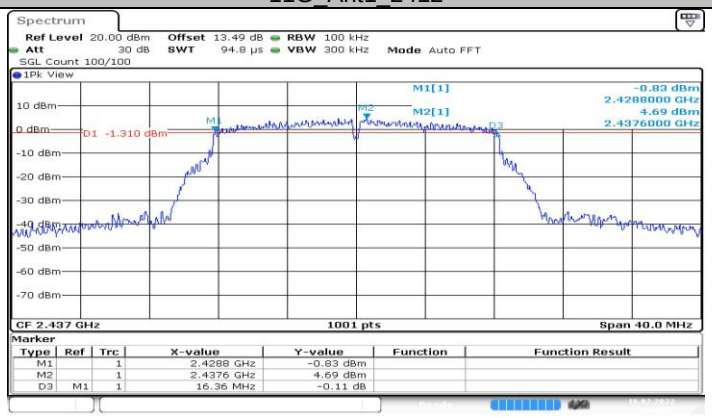
11B_Ant1_2437



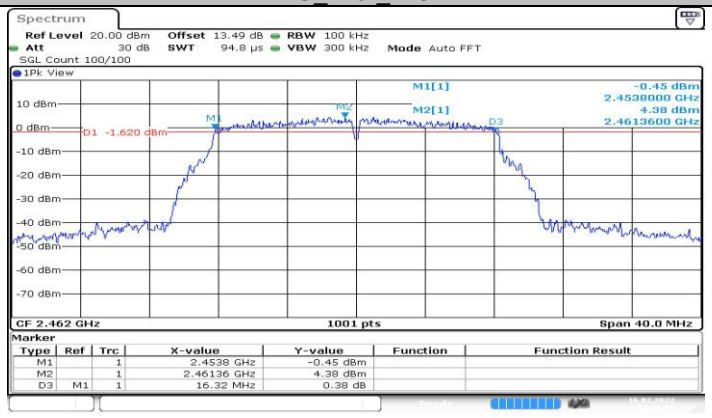
11B_Ant1_2462



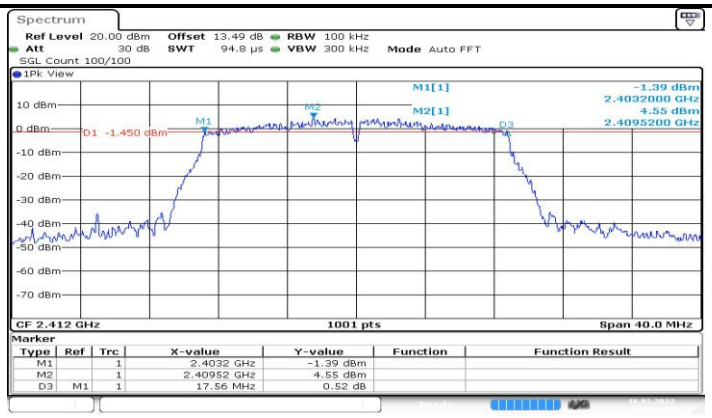
11G_Ant1_2412



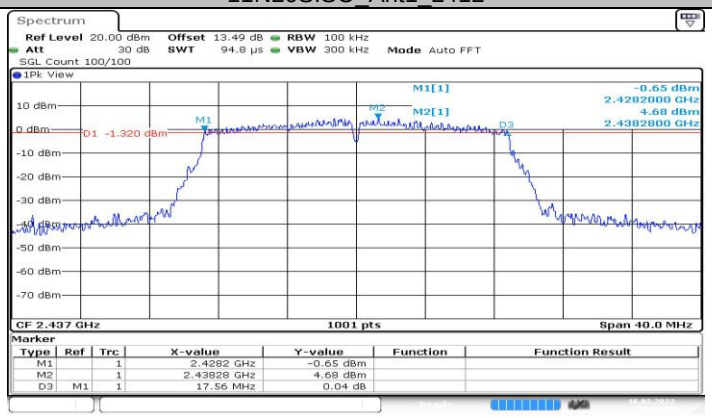
11G_Ant1_2437



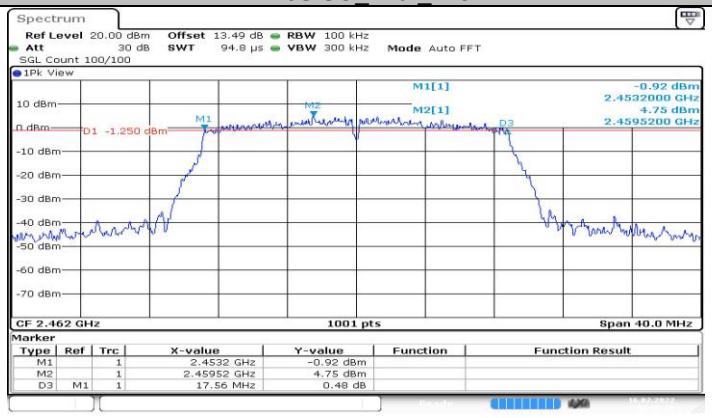
11G_Ant1_2462



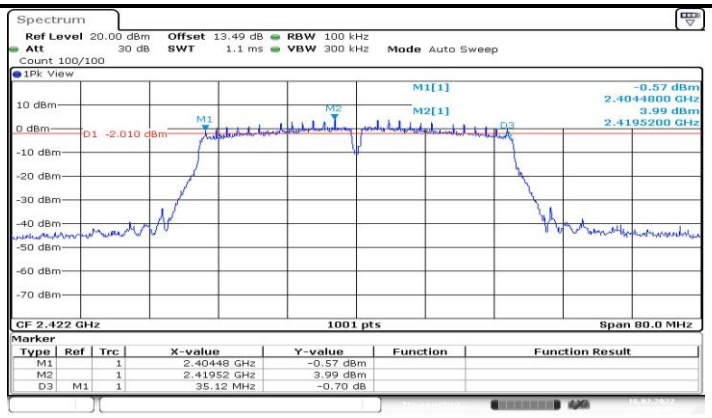
11N20SISO_Ant1_2412



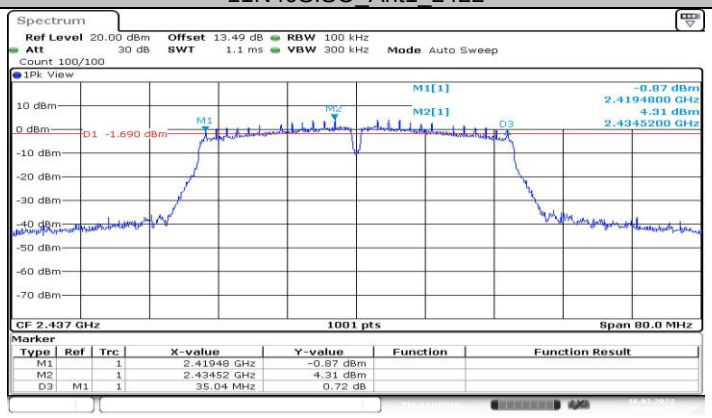
11N20SISO_Ant1_2437



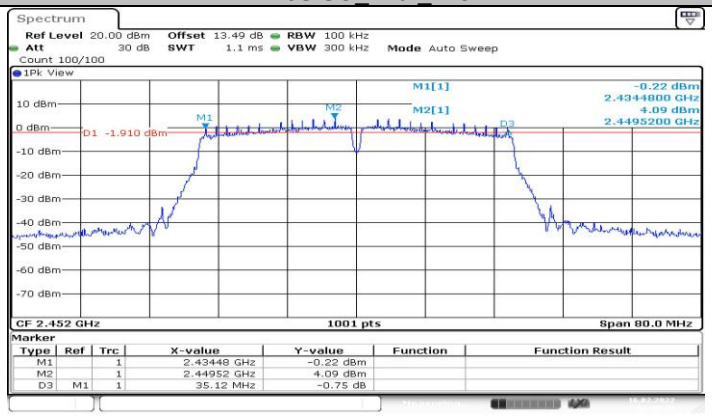
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



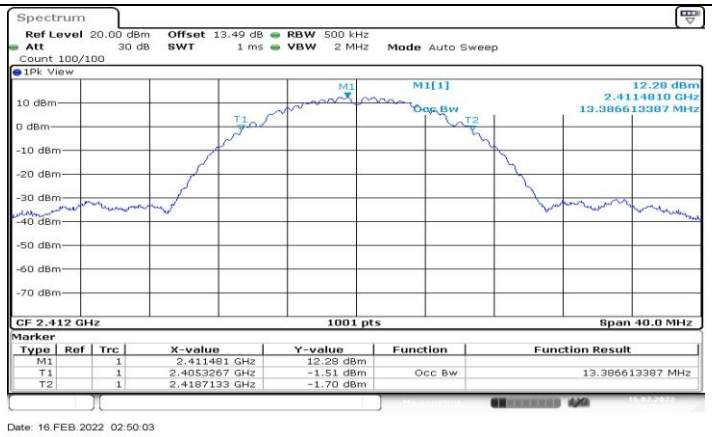
11N40SISO_Ant1_2452

11.2. Appendix B: Occupied Channel Bandwidth

11.2.1. Test Result

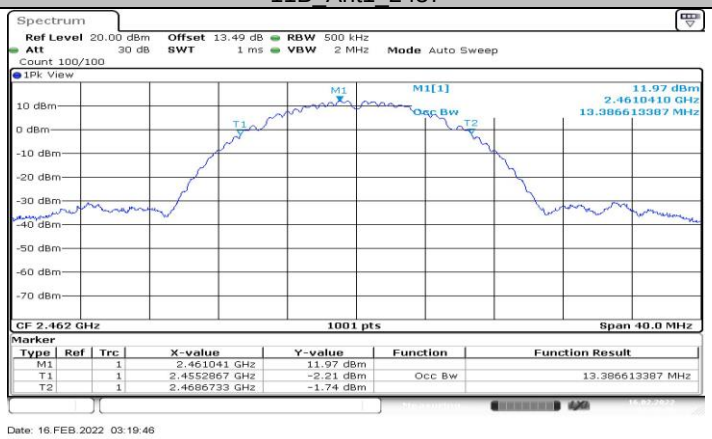
Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Verdict
11B	Ant1	2412	13.387	2405.327	2418.713	PASS
		2437	13.427	2430.287	2443.713	PASS
		2462	13.387	2455.287	2468.673	PASS
11G	Ant1	2412	17.223	2403.409	2420.631	PASS
		2437	17.143	2428.449	2445.591	PASS
		2462	17.223	2453.409	2470.631	PASS
11N20SISO	Ant1	2412	18.062	2403.009	2421.071	PASS
		2437	18.062	2427.969	2446.031	PASS
		2462	18.062	2452.969	2471.031	PASS
11N40SISO	Ant1	2422	36.523	2403.778	2440.302	PASS
		2437	36.364	2418.858	2455.222	PASS
		2452	36.523	2433.778	2470.302	PASS

11.2.2. Test Graphs

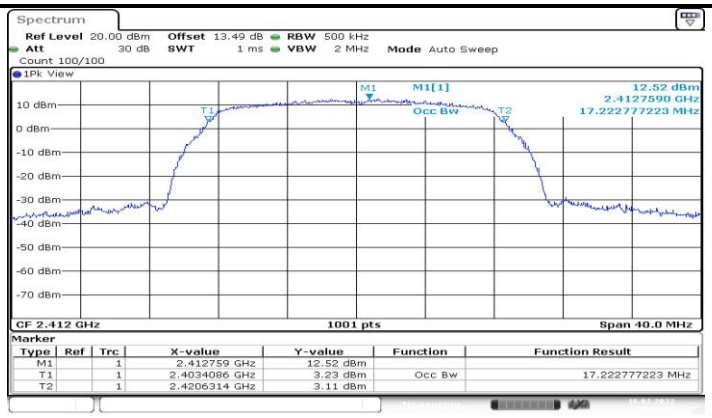


11B_Ant1_2412

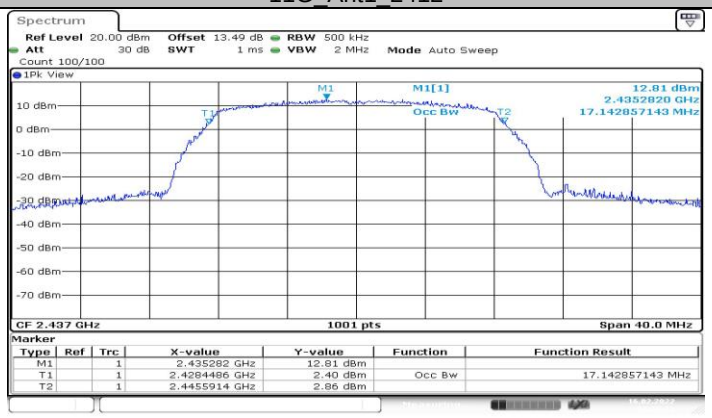
11B_Ant1_2437



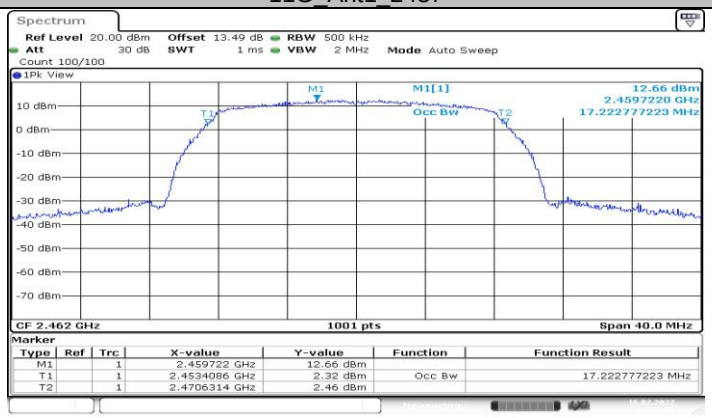
11B_Ant1_2462



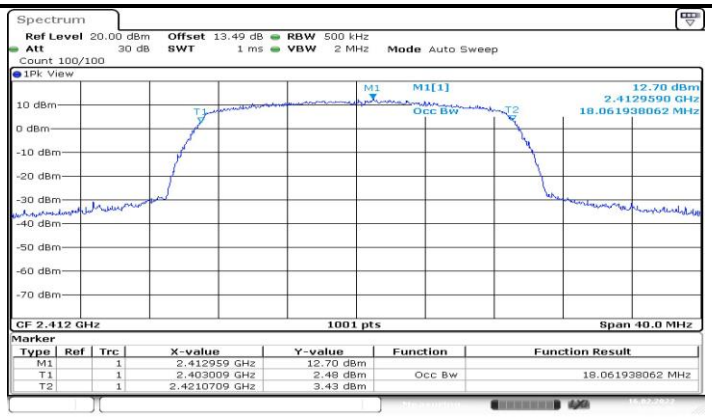
11G_Ant1_2412



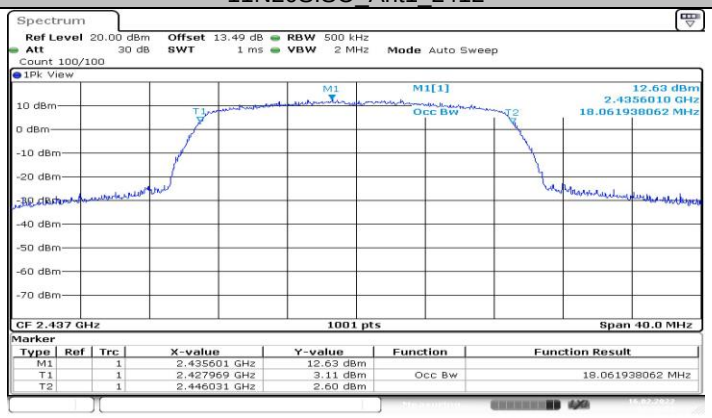
11G_Ant1_2437



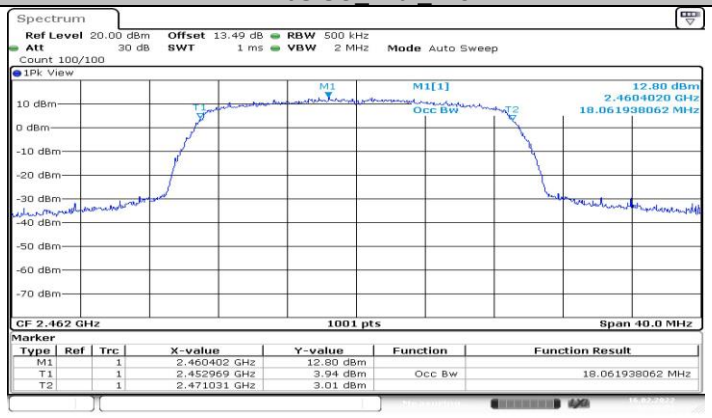
11G_Ant1_2462



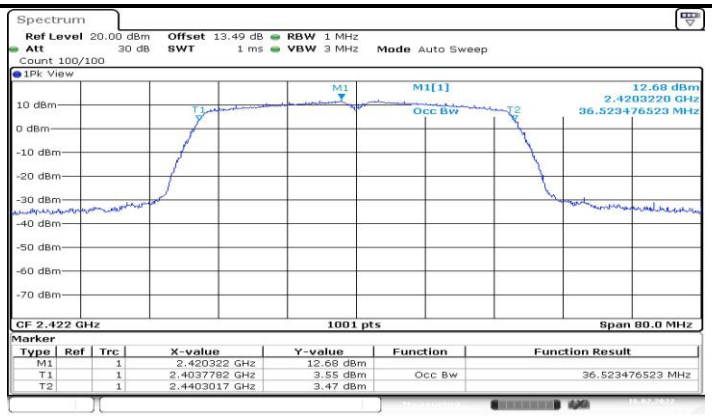
11N20SISO_Ant1_2412



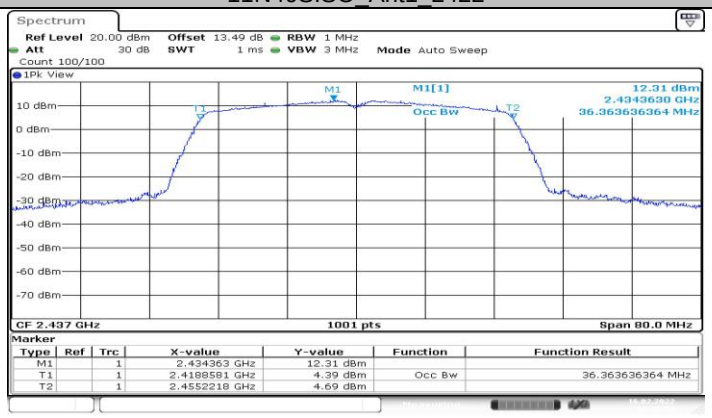
11N20SISO_Ant1_2437



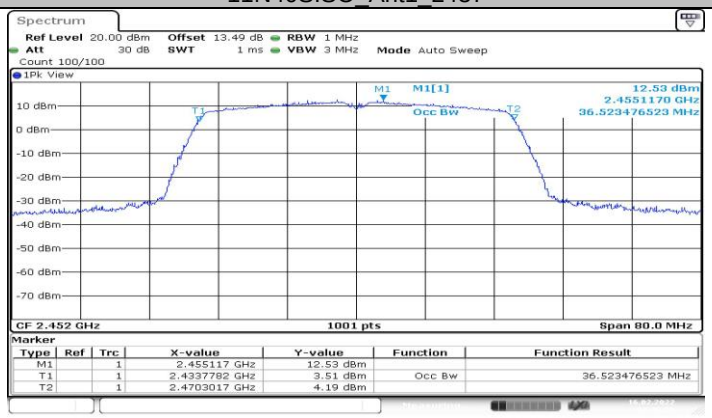
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452

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	19.33	≤30.00	PASS
		2437	19.70	≤30.00	PASS
		2462	19.51	≤30.00	PASS
11G	Ant1	2412	17.21	≤30.00	PASS
		2437	17.46	≤30.00	PASS
		2462	17.46	≤30.00	PASS
11N20SISO	Ant1	2412	17.11	≤30.00	PASS
		2437	17.31	≤30.00	PASS
		2462	17.33	≤30.00	PASS
11N40SISO	Ant1	2422	16.15	≤30.00	PASS
		2437	16.48	≤30.00	PASS
		2452	16.41	≤30.00	PASS

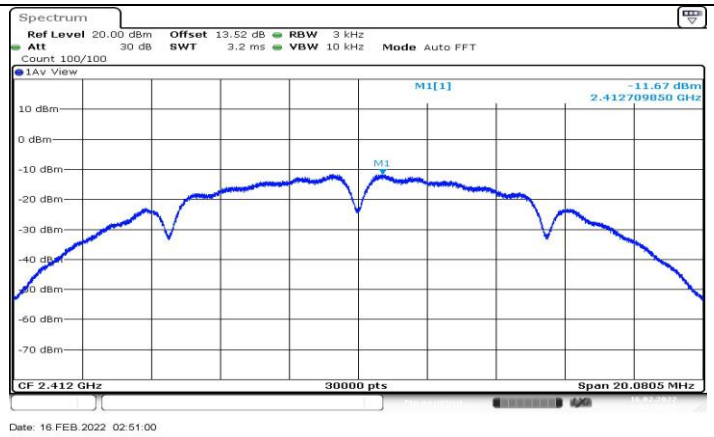
Note: 1. Conducted Power=Meas. Level+ Correction Factor
2. The Duty Cycle Factor (refer to section 7.1) had already compensated to the test data.

11.4. Appendix D: Maximum power spectral density

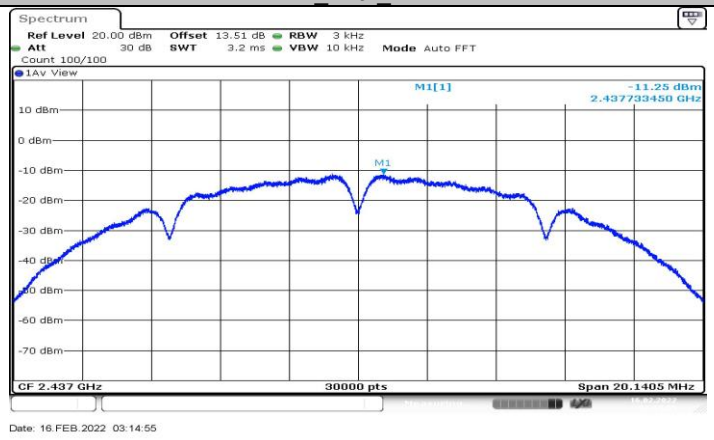
11.4.1. Test Result

Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-11.67	≤8.00	PASS
		2437	-11.25	≤8.00	PASS
		2462	-11.41	≤8.00	PASS
11G	Ant1	2412	-15.38	≤8.00	PASS
		2437	-15.17	≤8.00	PASS
		2462	-15.08	≤8.00	PASS
11N20SISO	Ant1	2412	-15.28	≤8.00	PASS
		2437	-15.36	≤8.00	PASS
		2462	-15.22	≤8.00	PASS
11N40SISO	Ant1	2422	-17.81	≤8.00	PASS
		2437	-16.82	≤8.00	PASS
		2452	-17.78	≤8.00	PASS

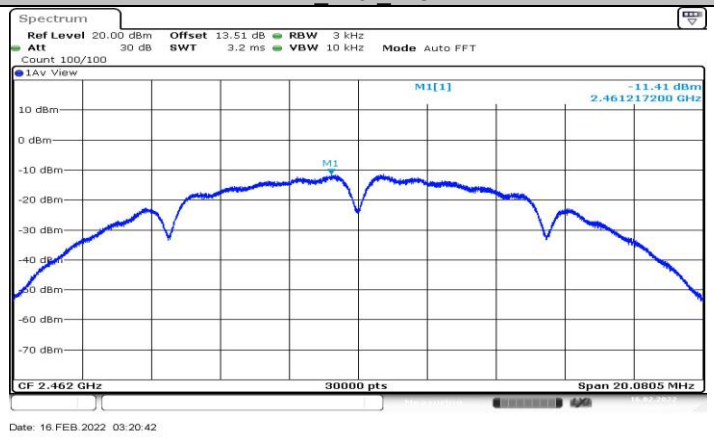
11.4.2. Test Graphs



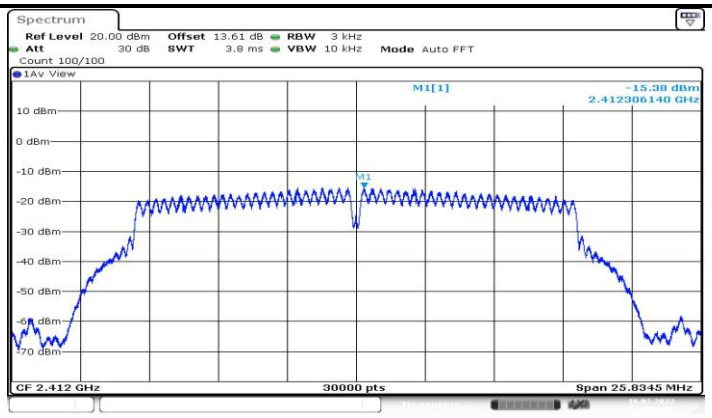
11B_Ant1_2412



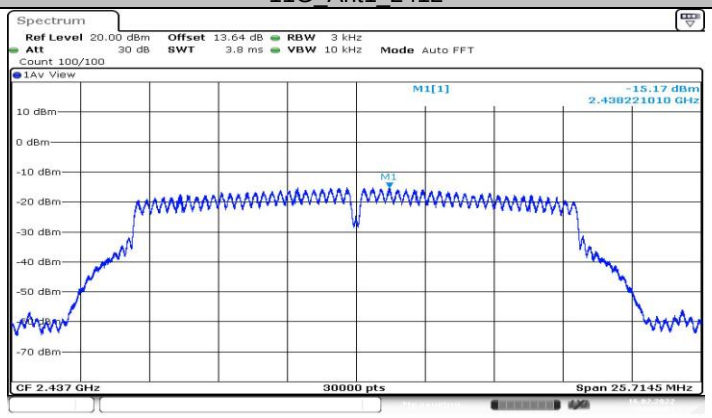
11B_Ant1_2437



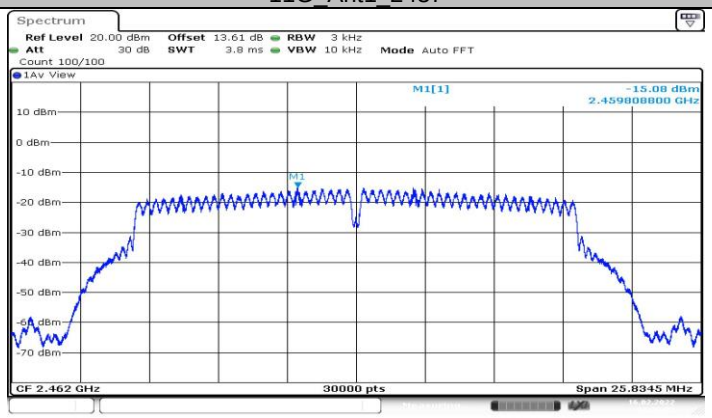
11B_Ant1_2462



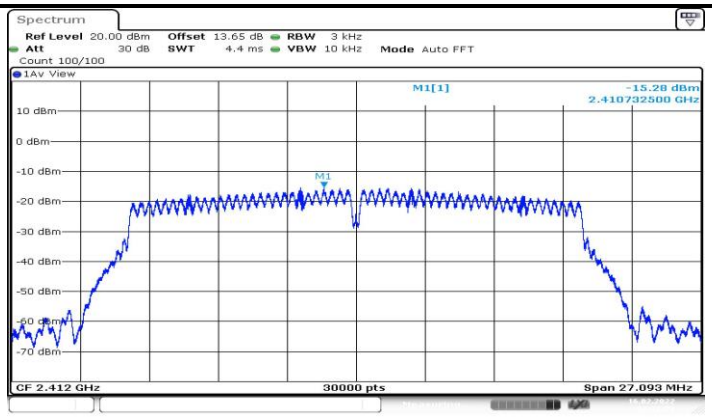
11G_Ant1_2412



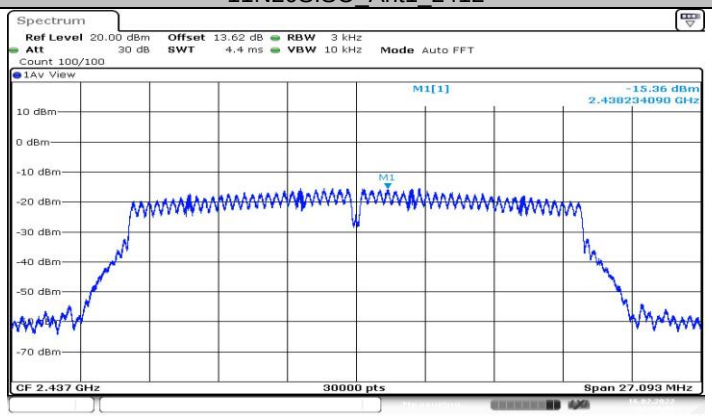
11G_Ant1_2437



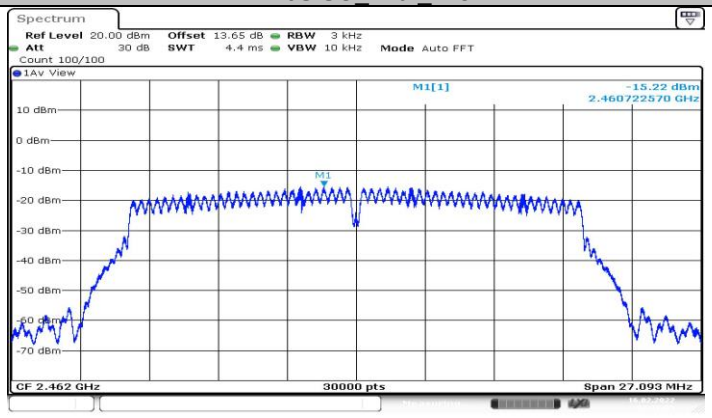
11G_Ant1_2462



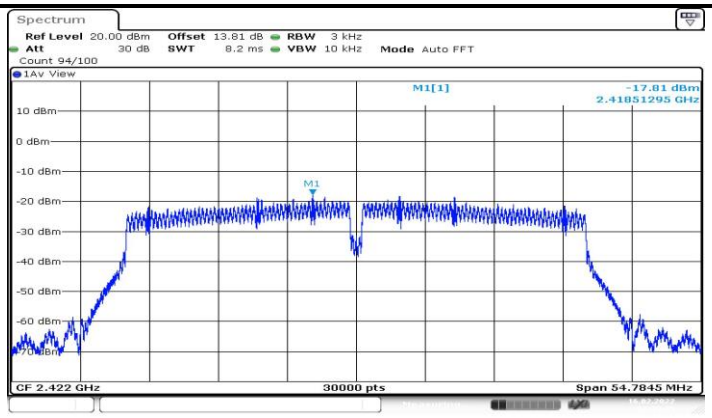
11N20SISO_Ant1_2412



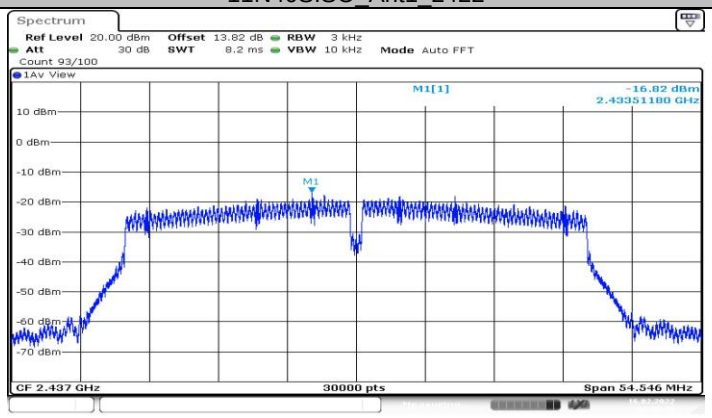
11N20SISO_Ant1_2437



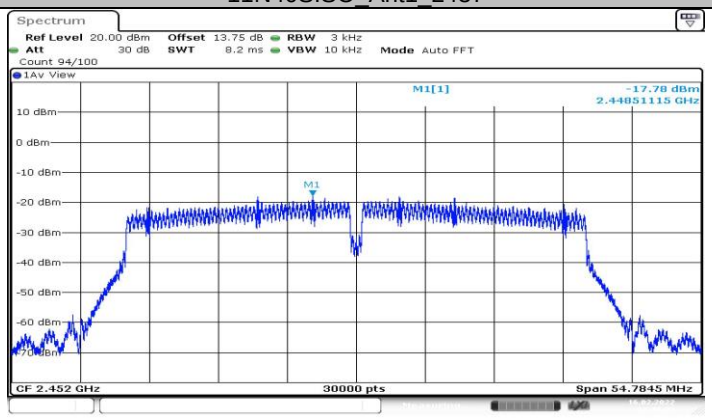
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



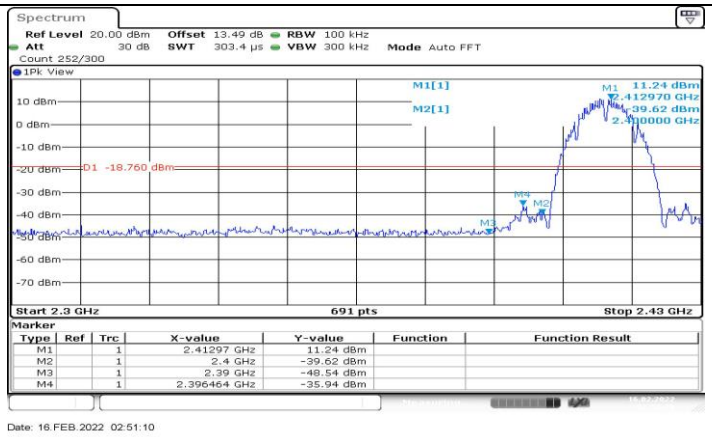
11N40SISO_Ant1_2452

11.5. Appendix E: Band edge measurements

11.5.1. Test Result

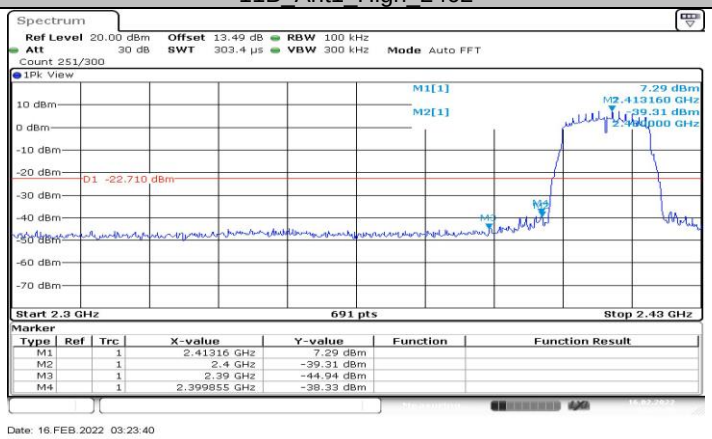
Test Mode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	11.24	-35.94	≤-18.76	PASS
		High	2462	11.56	-45.25	≤-18.44	PASS
11G	Ant1	Low	2412	7.29	-38.33	≤-22.71	PASS
		High	2462	6.05	-44.4	≤-23.95	PASS
11N20SISO	Ant1	Low	2412	6.90	-36.92	≤-23.1	PASS
		High	2462	6.57	-43.81	≤-23.43	PASS
11N40SISO	Ant1	Low	2422	3.06	-33.89	≤-26.94	PASS
		High	2452	3.99	-43.04	≤-26.01	PASS

11.5.2. Test Graphs

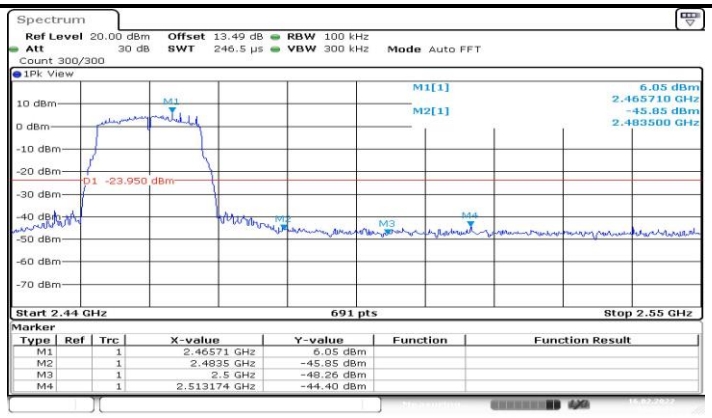


11B_Ant1_Low_2412

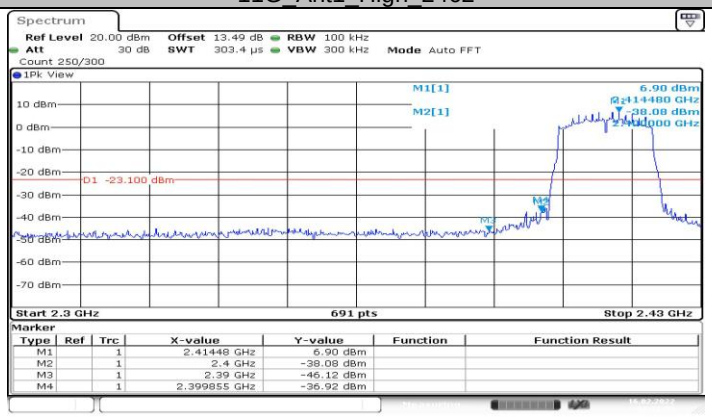
11B_Ant1_High_2462



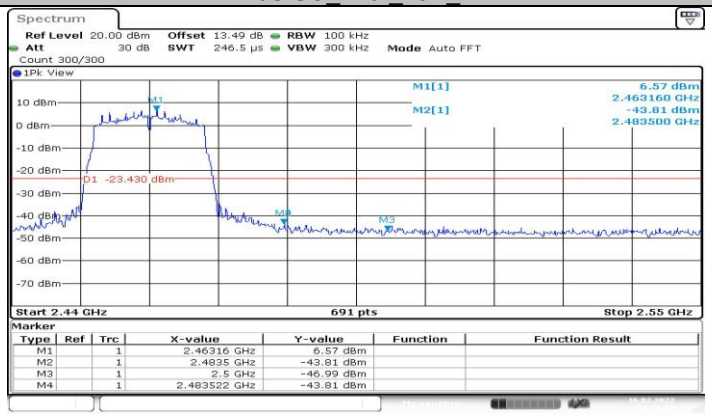
11G_Ant1_Low_2412



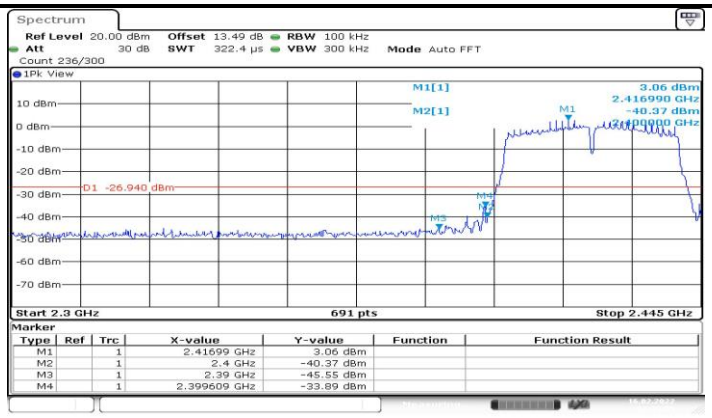
11G_Ant1_High_2462



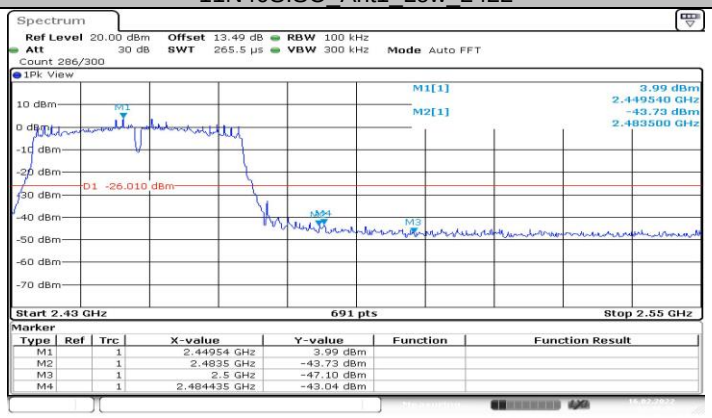
11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



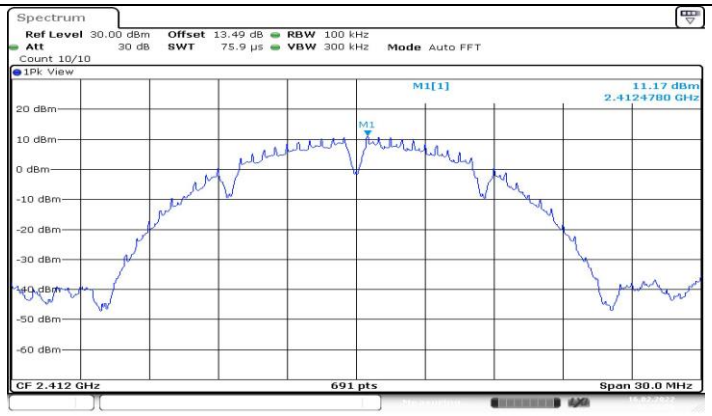
11N40SISO_Ant1_High_2452

11.6. Appendix F: Conducted Spurious Emission

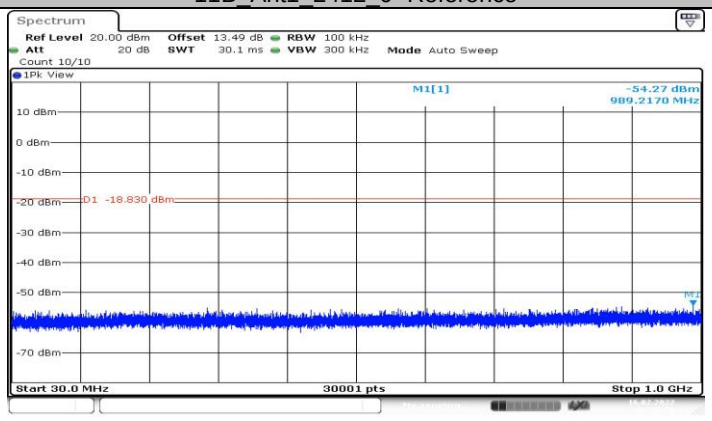
11.6.1. Test Result

Test Mode	Antenna	Channel	FreqRange [Mhz]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	11.17	---	PASS
			30~1000	-54.27	≤-18.83	PASS
			1000~26500	-49.08	≤-18.83	PASS
		2437	Reference	11.73	---	PASS
			30~1000	-54.43	≤-18.27	PASS
			1000~26500	-49.42	≤-18.27	PASS
		2462	Reference	11.62	---	PASS
			30~1000	-54.58	≤-18.38	PASS
			1000~26500	-48.02	≤-18.38	PASS
11G	Ant1	2412	Reference	7.35	---	PASS
			30~1000	-53.97	≤-22.65	PASS
			1000~26500	-49.21	≤-22.65	PASS
		2437	Reference	7.45	---	PASS
			30~1000	-54.56	≤-22.55	PASS
			1000~26500	-48.68	≤-22.55	PASS
		2462	Reference	7.07	---	PASS
			30~1000	-54.7	≤-22.93	PASS
			1000~26500	-49.87	≤-22.93	PASS
11N20SISO	Ant1	2412	Reference	7.42	---	PASS
			30~1000	-53.83	≤-22.58	PASS
			1000~26500	-49.37	≤-22.58	PASS
		2437	Reference	7.63	---	PASS
			30~1000	-53.92	≤-22.37	PASS
			1000~26500	-49.63	≤-22.37	PASS
		2462	Reference	7.47	---	PASS
			30~1000	-54.75	≤-22.53	PASS
			1000~26500	-48.94	≤-22.53	PASS
11N40SISO	Ant1	2422	Reference	3.46	---	PASS
			30~1000	-53.67	≤-26.54	PASS
			1000~26500	-49.45	≤-26.54	PASS
		2437	Reference	2.41	---	PASS
			30~1000	-54.41	≤-27.59	PASS
			1000~26500	-48.7	≤-27.59	PASS
		2452	Reference	3.87	---	PASS
			30~1000	-53.9	≤-26.13	PASS
			1000~26500	-49.36	≤-26.13	PASS

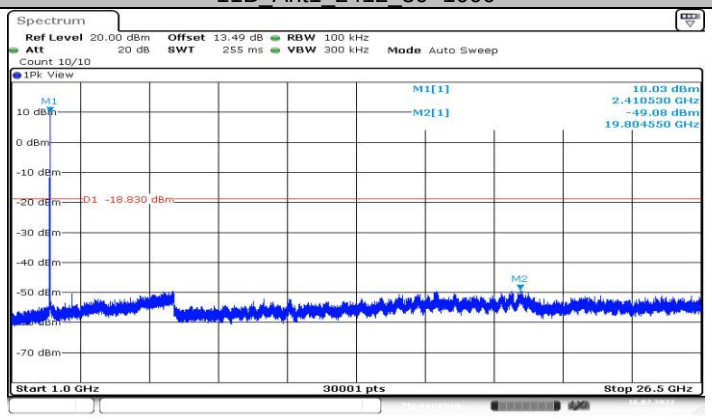
11.6.2. Test Graphs



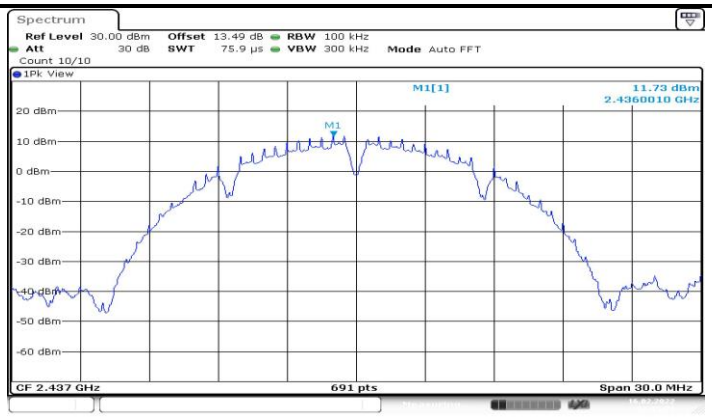
11B_Ant1_2412_0~Reference



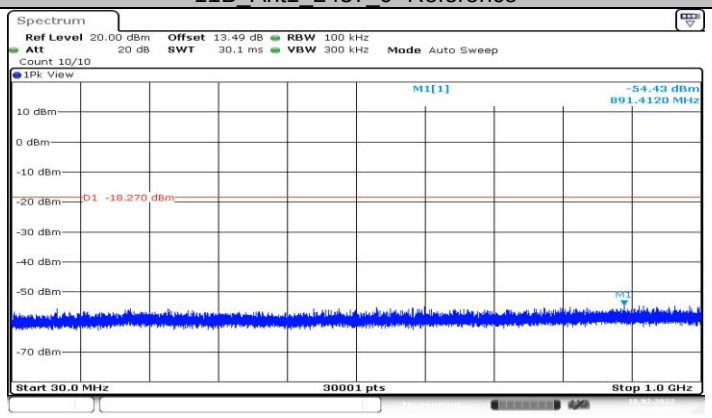
11B_Ant1_2412_30~1000



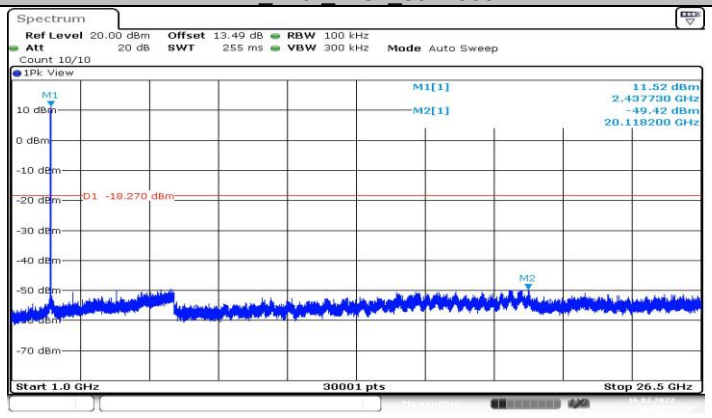
11B_Ant1_2412_1000~26500



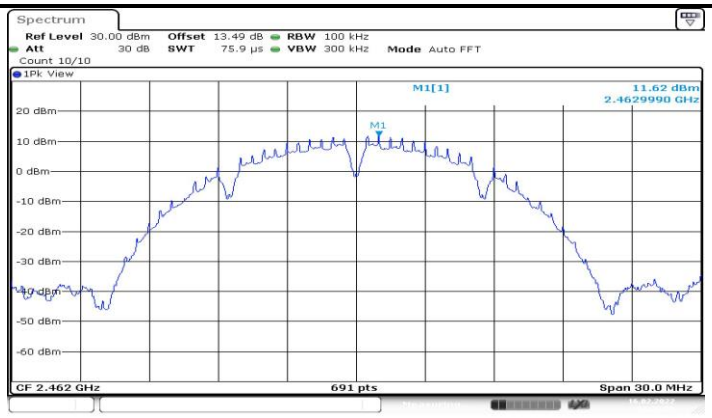
11B_Ant1_2437_0~Reference



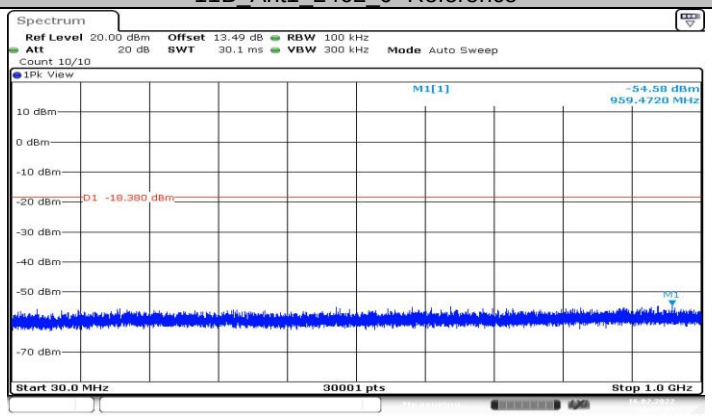
11B_Ant1_2437_30~1000



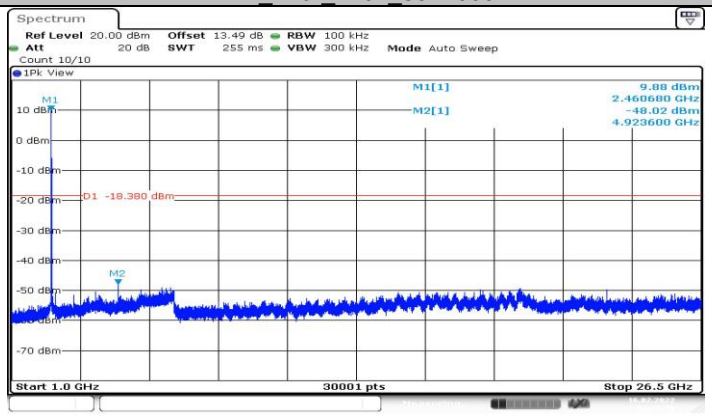
11B_Ant1_2437_1000~26500



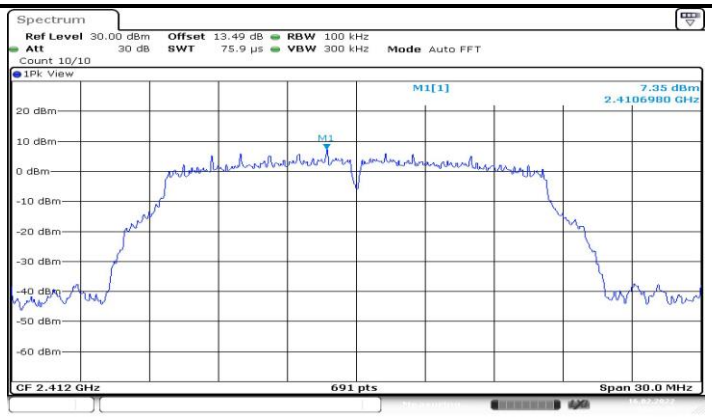
11B_Ant1_2462_0~Reference



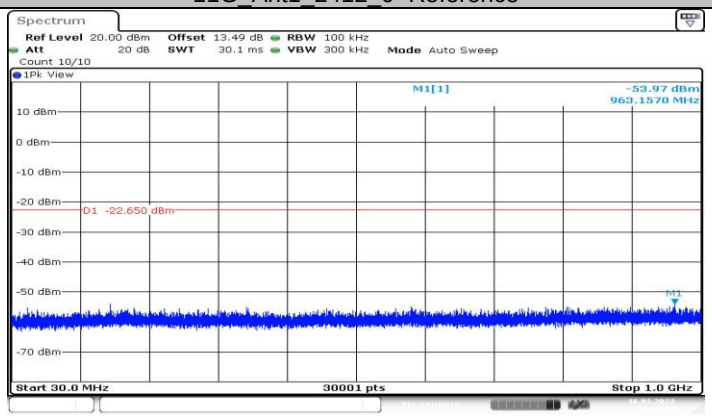
11B_Ant1_2462_30~1000



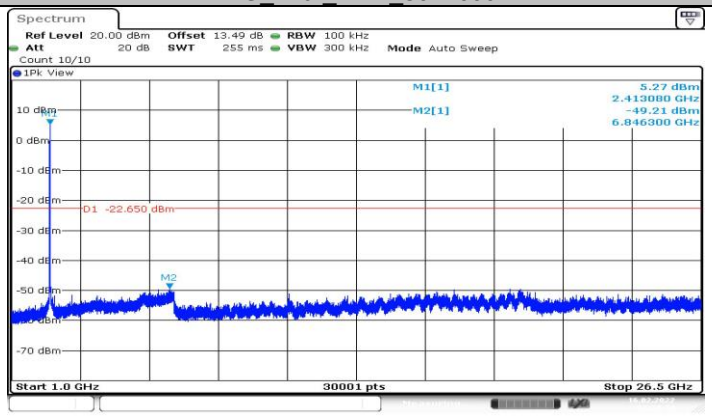
11B_Ant1_2462_1000~26500



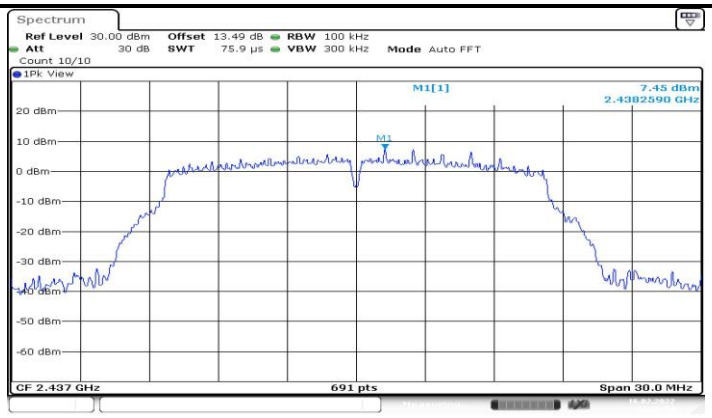
11G_Ant1_2412_0~Reference



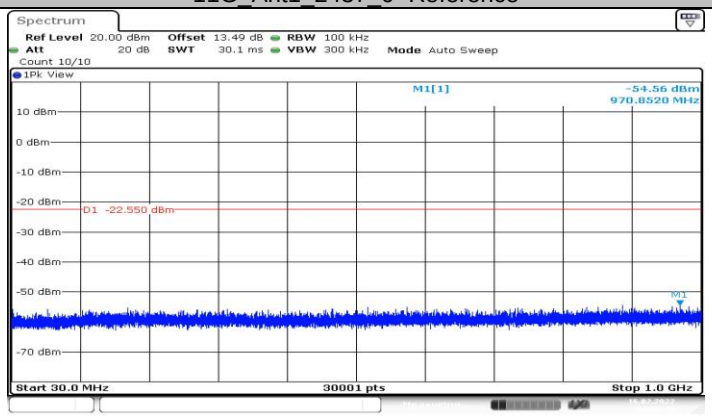
11G_Ant1_2412_30~1000



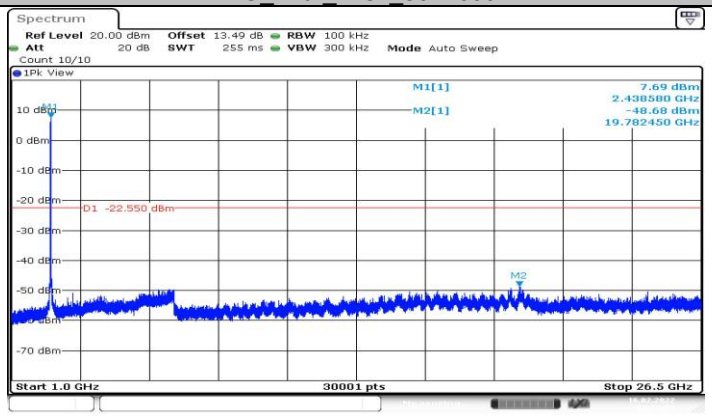
11G_Ant1_2412_1000~26500



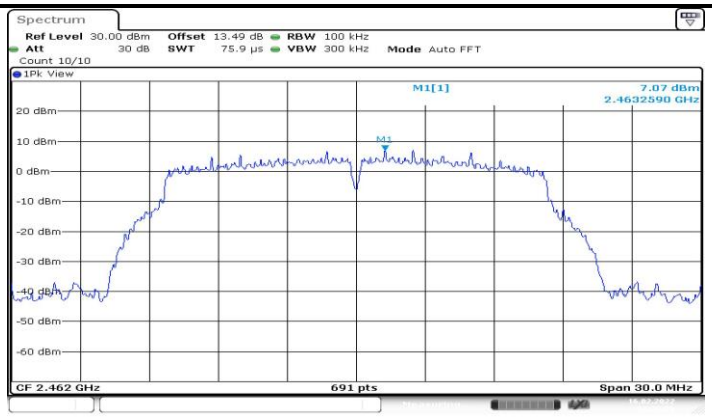
11G_Ant1_2437_0~Reference



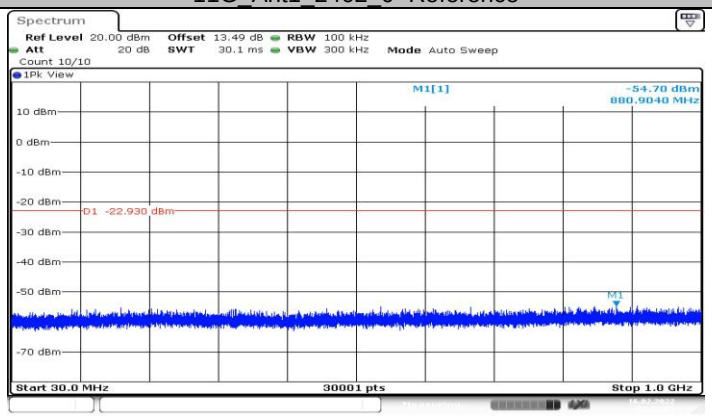
11G_Ant1_2437_30~1000



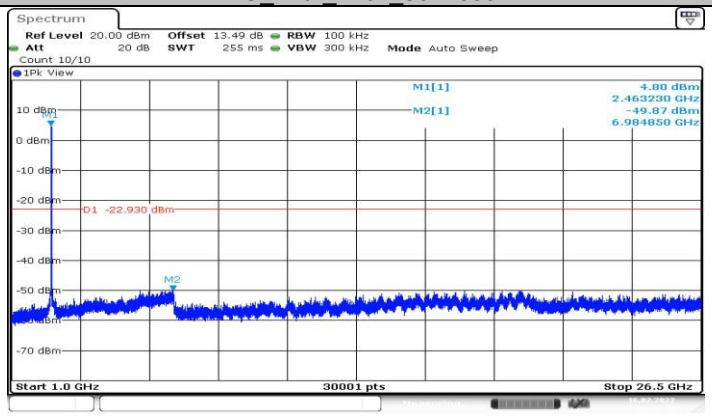
11G_Ant1_2437_1000~26500



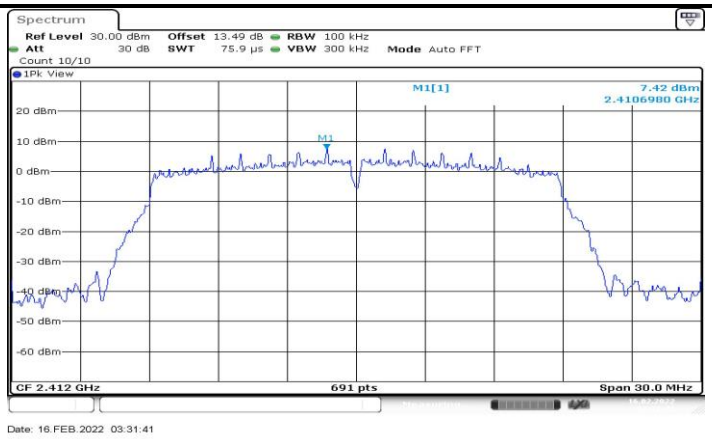
11G_Ant1_2462_0~Reference



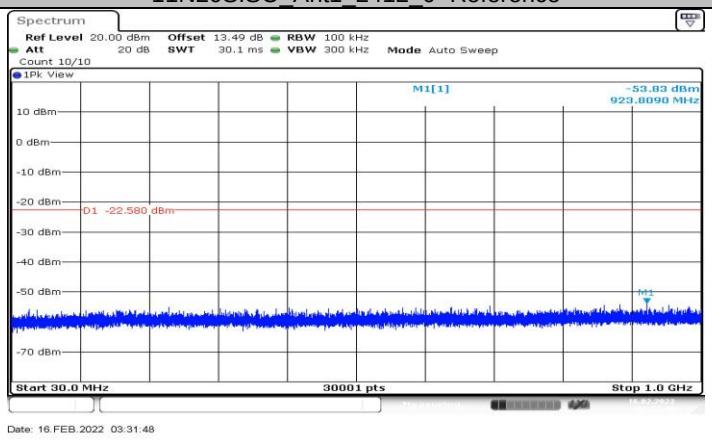
11G_Ant1_2462_30~1000



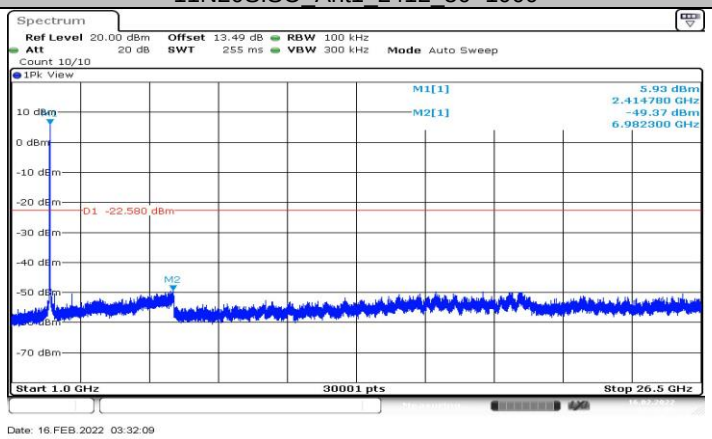
11G_Ant1_2462_1000~26500



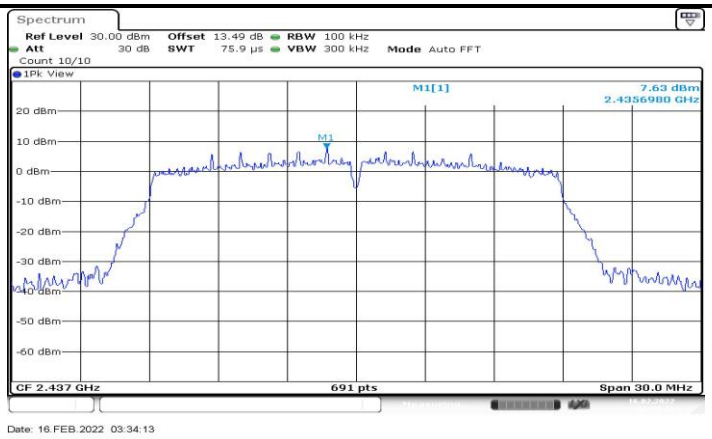
11N20SISO_Ant1_2412_0~Reference



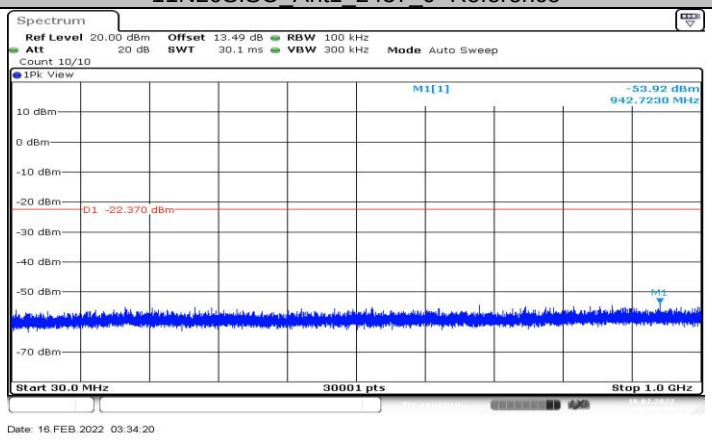
11N20SISO_Ant1_2412_30~1000



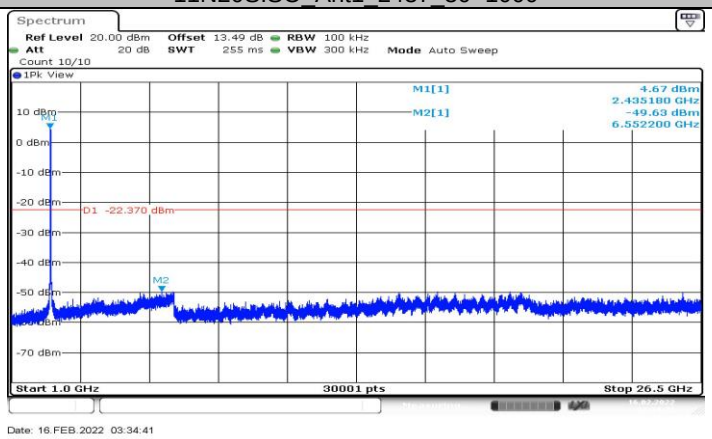
11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference

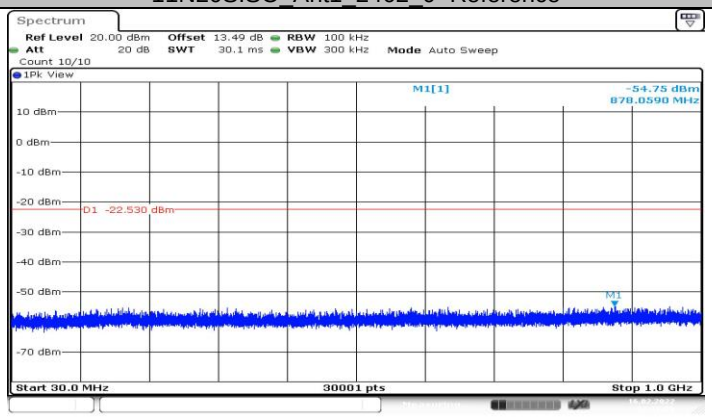


11N20SISO_Ant1_2437_30~1000

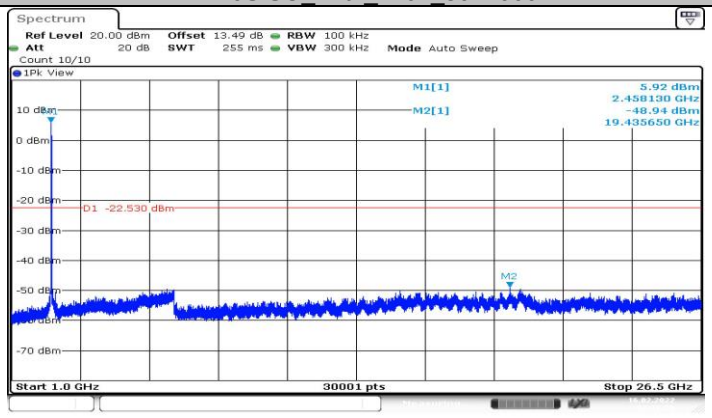


11N20SISO_Ant1_2437_1000~26500

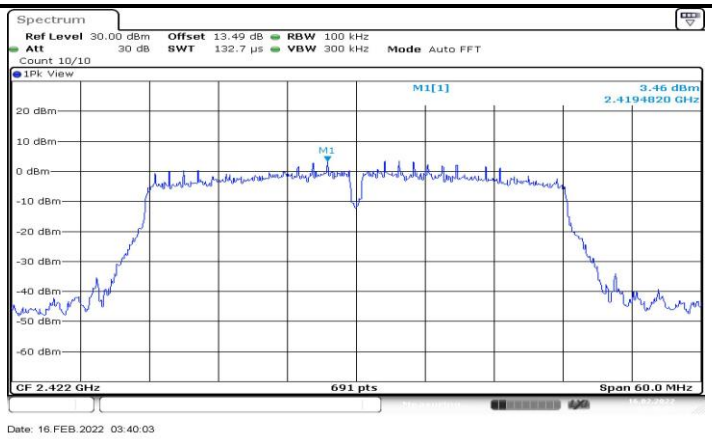
11N20SISO_Ant1_2462_0~Reference



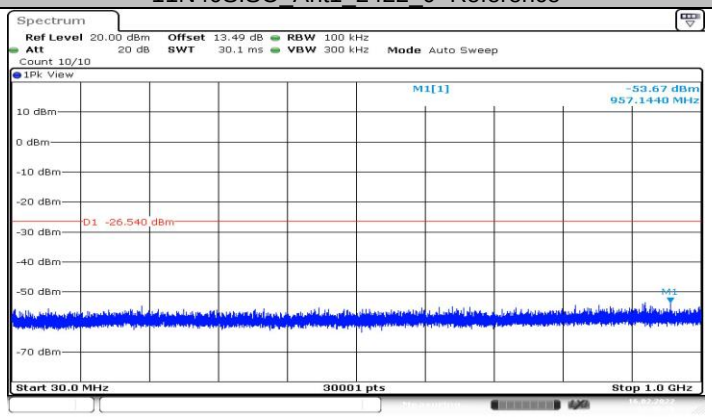
11N20SISO_Ant1_2462_30~1000



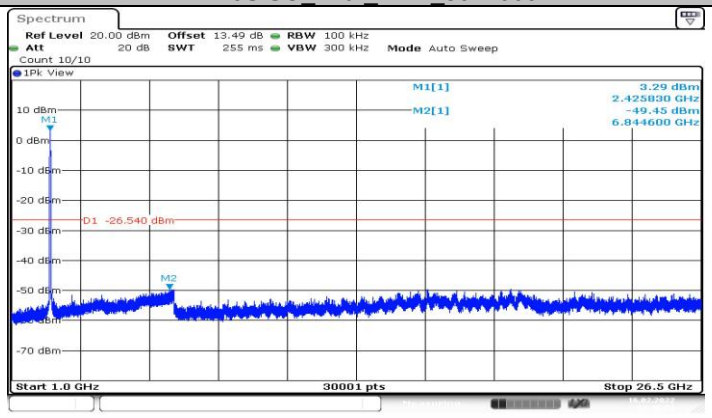
11N20SISO_Ant1_2462_1000~26500



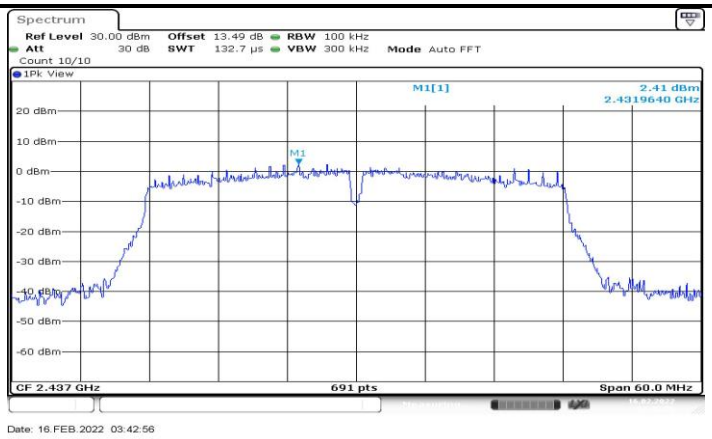
11N40SISO_Ant1_2422_0~Reference



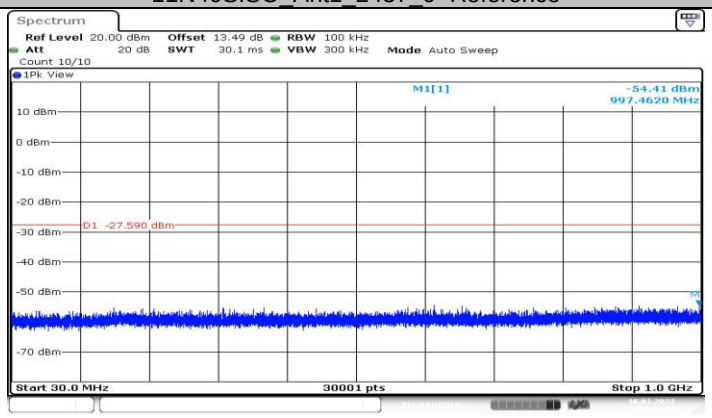
11N40SISO_Ant1_2422_30~1000



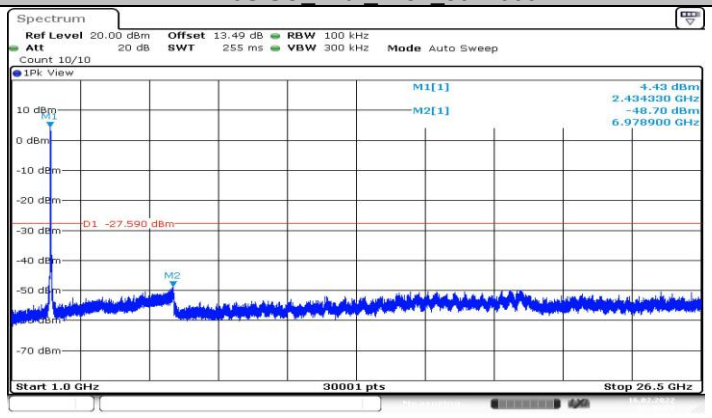
11N40SISO_Ant1_2422_1000~26500



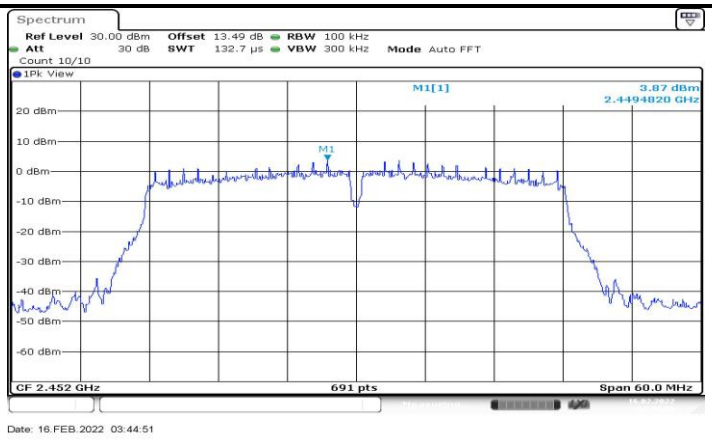
11N40SISO_Ant1_2437_0~Reference



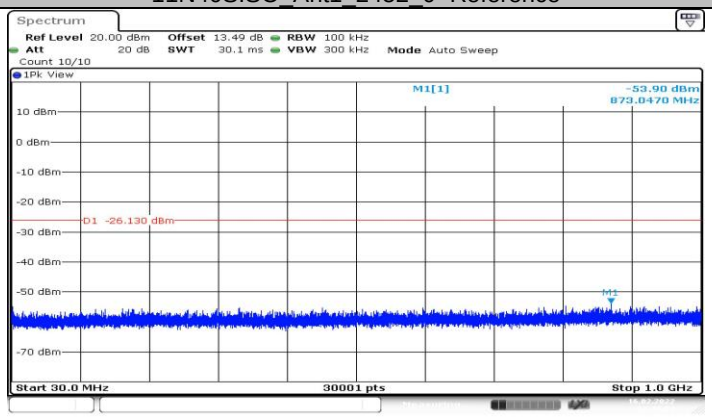
11N40SISO_Ant1_2437_30~1000



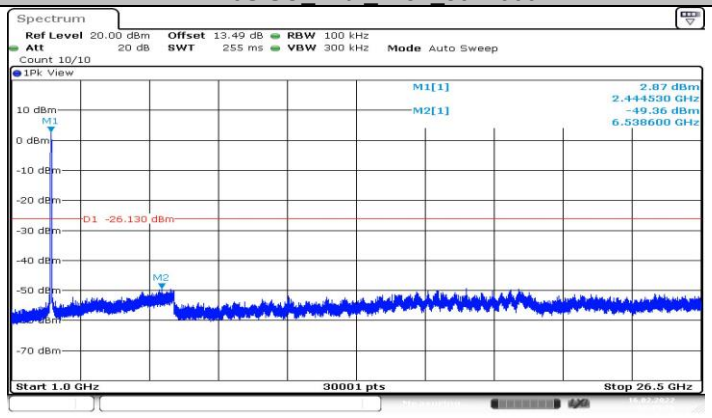
11N40SISO_Ant1_2437_1000~26500



11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000



11N40SISO_Ant1_2452_1000~26500

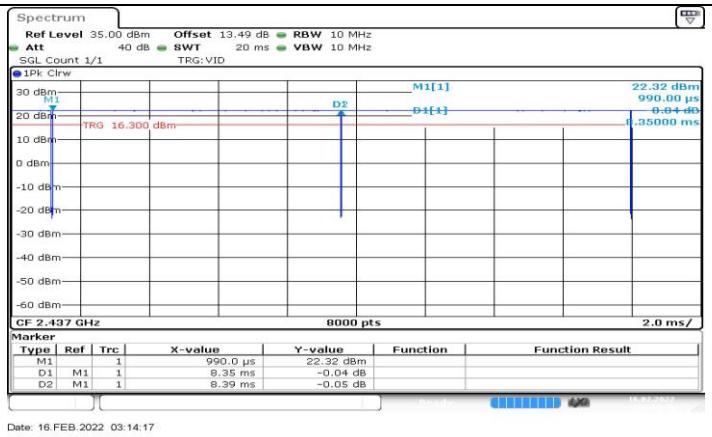
11.7. Appendix G: Duty Cycle

11.7.1. Test Result

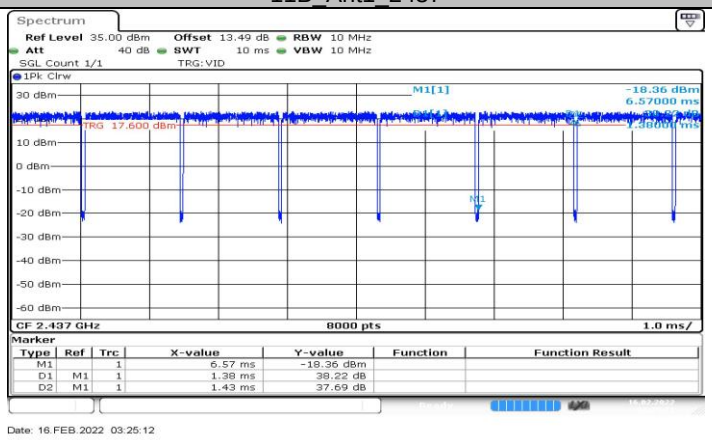
Test Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
11B	8.35	8.39	0.9952	99.52	0.02	0.12	0.01
11G	1.38	1.43	0.9650	96.50	0.15	0.72	1
11N20SISO	1.30	1.34	0.9701	97.01	0.13	0.77	1
11N40SISO	0.64	0.69	0.9275	92.75	0.33	1.56	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.
If the EUT is configured to transmit with duty cycle ≥ 98%, set VBW ≤ RBW/100 (i.e., 10 kHz) but not less than 10 Hz.

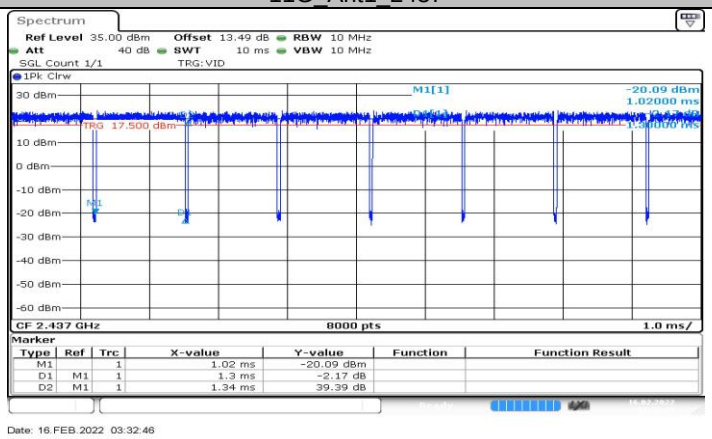
11.7.2. Test Graphs



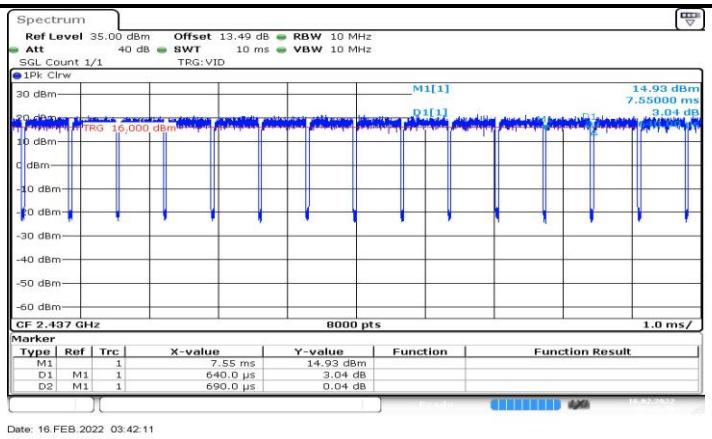
11B_Ant1_2437



11G_Ant1_2437



11N20SISO_Ant1_2437



11N40SISO_Ant1_2437

END OF REPORT