

Annex A WLAN Test Data

Appendix A: DTS Bandwidth

Test Result

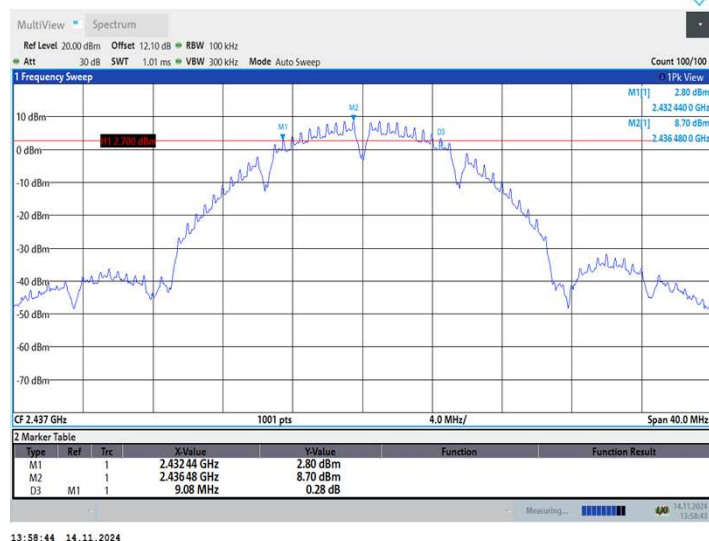
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.04	2407.44	2416.48	0.5	PASS
		2437	9.08	2432.44	2441.52	0.5	PASS
		2462	8.56	2457.44	2466.00	0.5	PASS
11G	Ant1	2412	15.56	2404.20	2419.76	0.5	PASS
		2437	16.04	2429.08	2445.12	0.5	PASS
		2462	15.76	2453.80	2469.56	0.5	PASS
11N20SISO	Ant1	2412	16.04	2404.08	2420.12	0.5	PASS
		2437	15.92	2429.44	2445.36	0.5	PASS
		2462	16.00	2453.56	2469.56	0.5	PASS
11N40SISO	Ant1	2422	36.24	2403.92	2440.16	0.5	PASS
		2437	36.32	2418.92	2455.24	0.5	PASS
		2452	36.08	2434.00	2470.08	0.5	PASS
11AC20SISO	Ant1	2412	15.72	2403.84	2419.56	0.5	PASS
		2437	16.12	2429.40	2445.52	0.5	PASS
		2462	16.12	2453.44	2469.56	0.5	PASS
11AC40SISO	Ant1	2422	36.40	2403.84	2440.24	0.5	PASS
		2437	35.68	2419.48	2455.16	0.5	PASS
		2452	36.24	2433.84	2470.08	0.5	PASS

Test Graphs

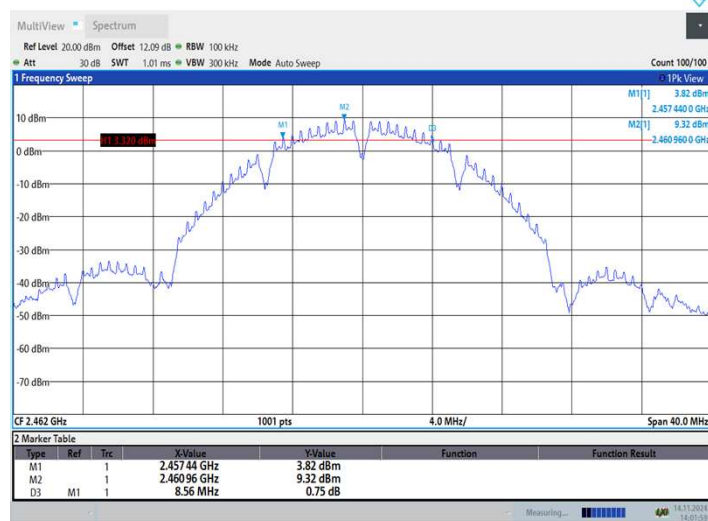
11B_Ant1_2412



11B_Ant1_2437

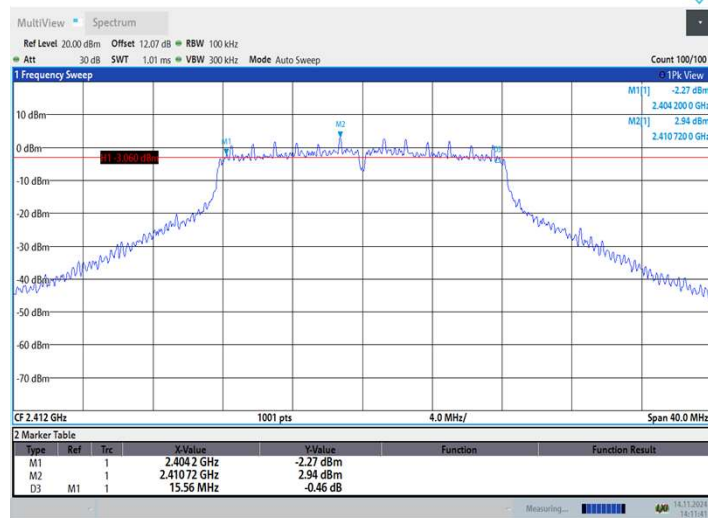


11B_Ant1_2462



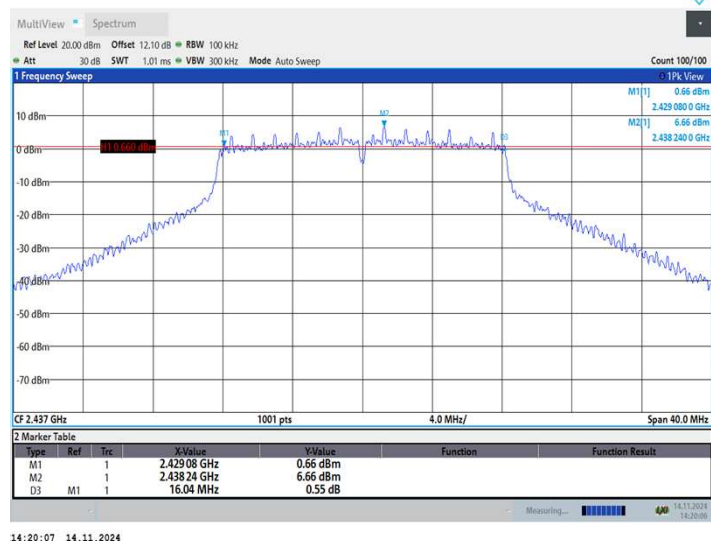
14:02:00 14.11.2024

11G_Ant1_2412

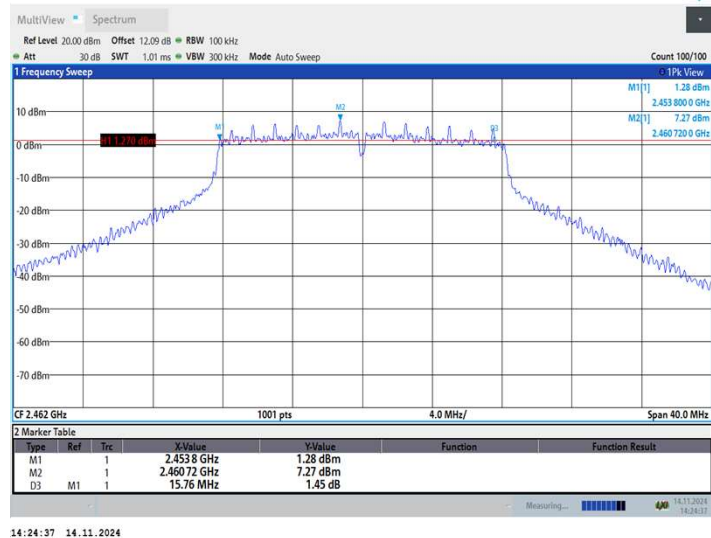


14:11:42 14.11.2024

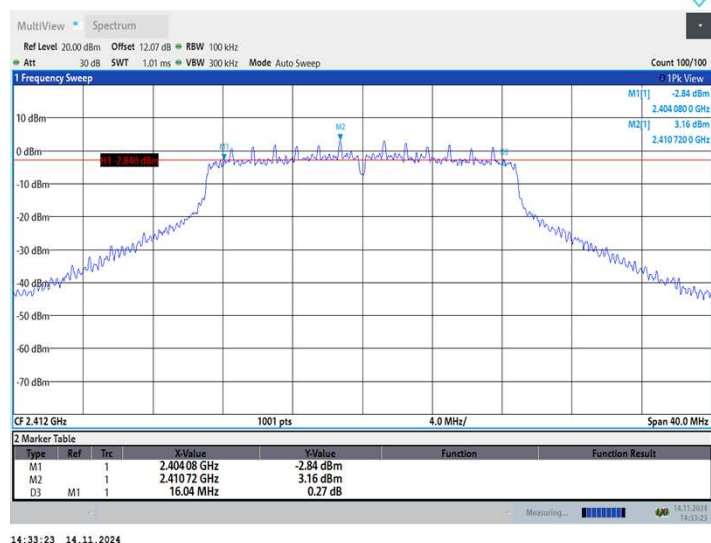
11G_Ant1_2437



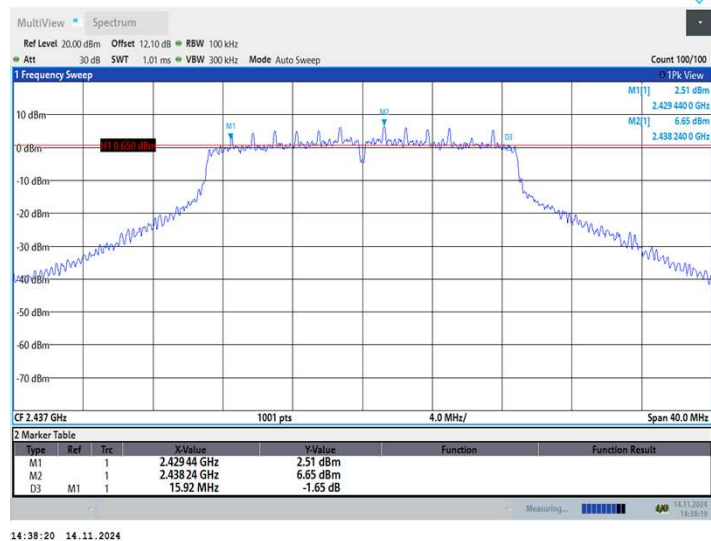
11G_Ant1_2462



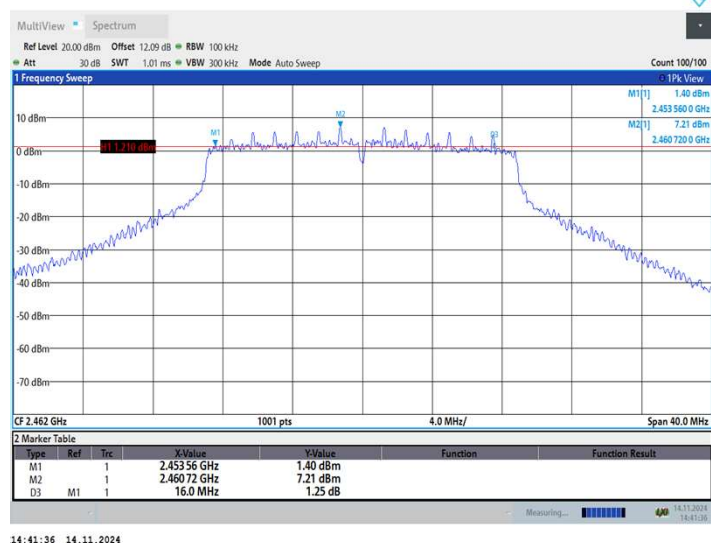
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



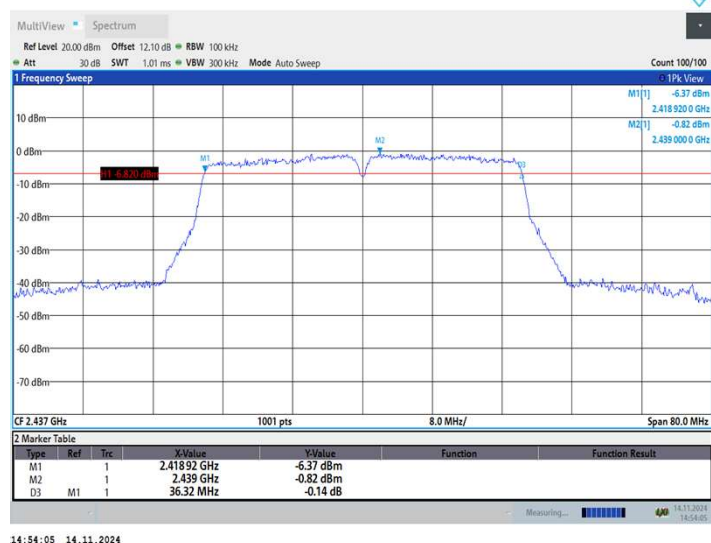
14:41:36 14.11.2024

11N40SISO_Ant1_2422



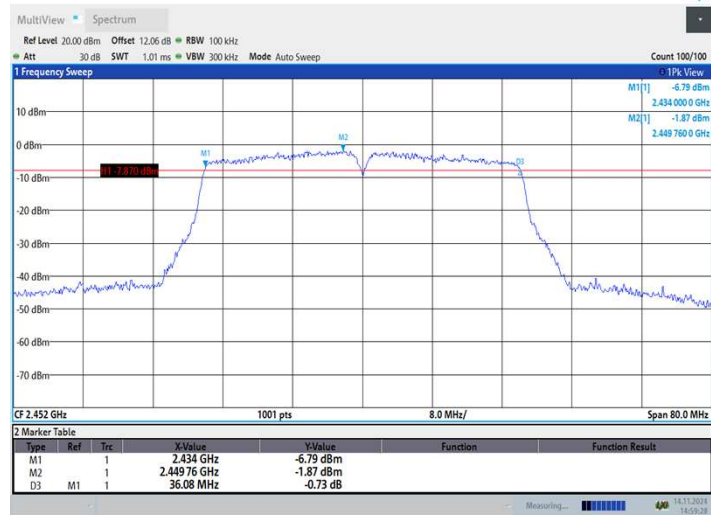
14:49:45 14.11.2024

11N40SISO_Ant1_2437



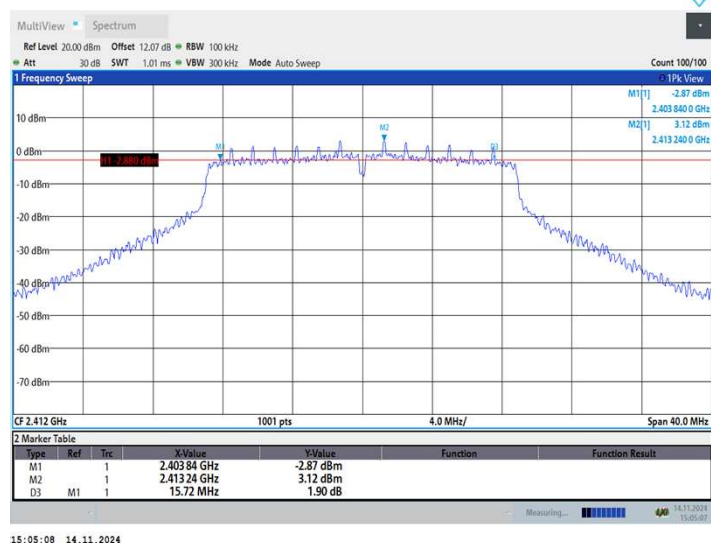
14:54:05 14.11.2024

11N40SISO_Ant1_2452

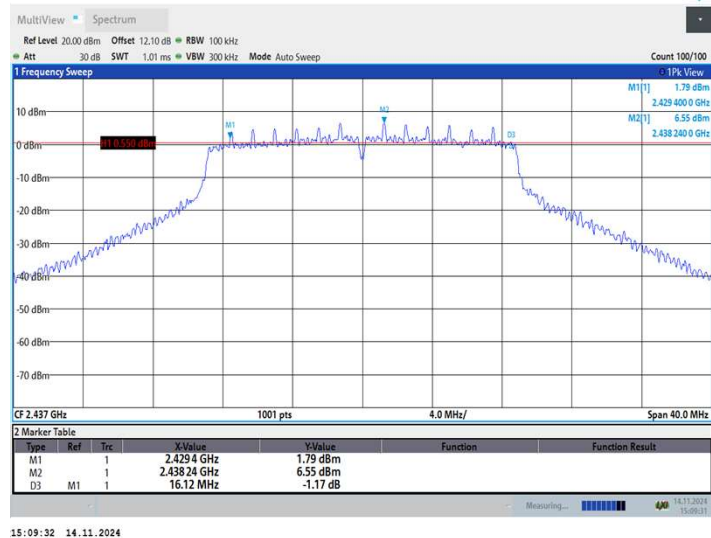


14:59:28 14.11.2024

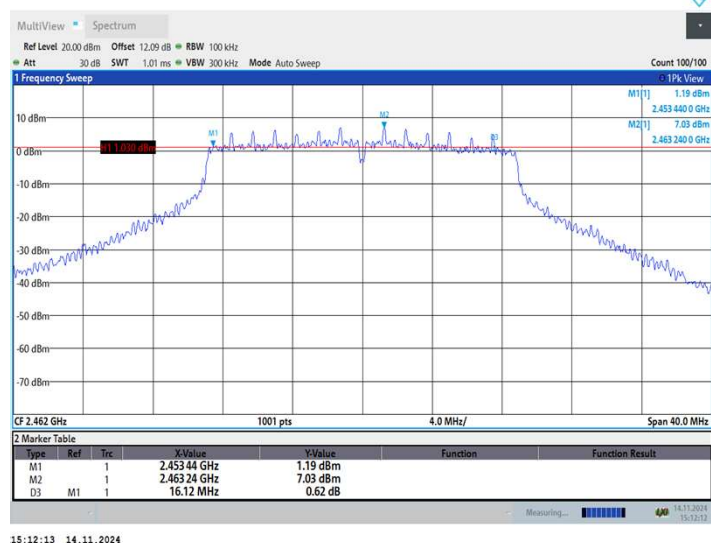
11AC20SISO_Ant1_2412



11AC20SISO_Ant1_2437



11AC20SISO_Ant1_2462



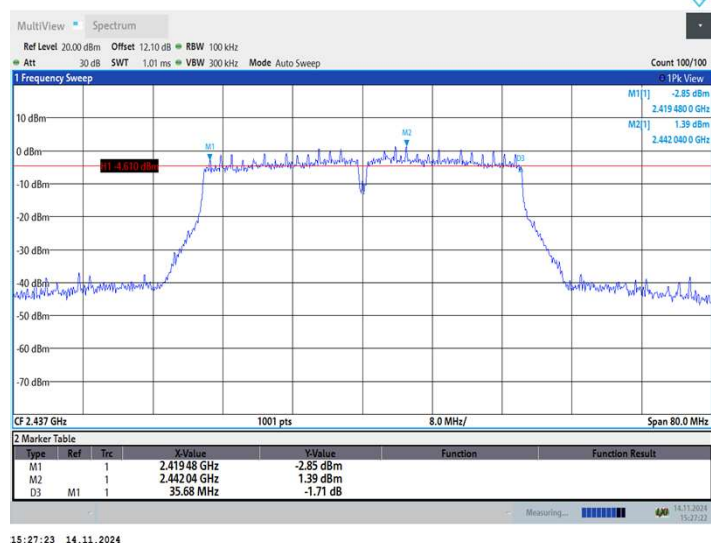
15:12:13 14.11.2024

11AC40SISO_Ant1_2422



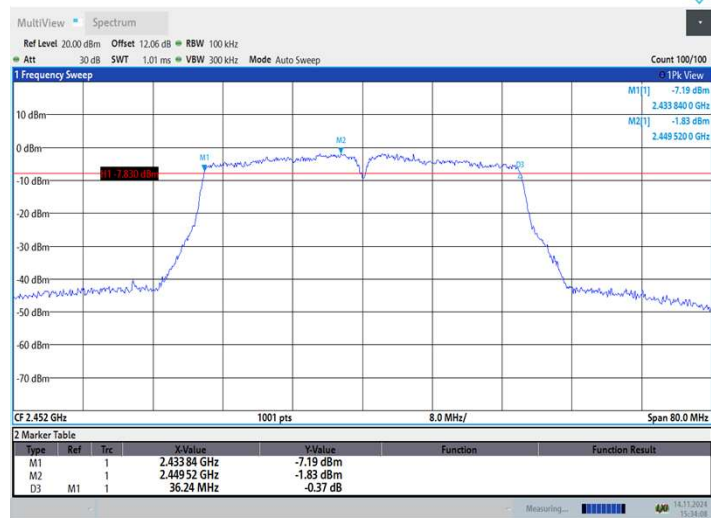
15:20:25 14.11.2024

11AC40SISO_Ant1_2437



15:27:23 14.11.2024

11AC40SISO_Ant1_2452



15:34:09 14.11.2024

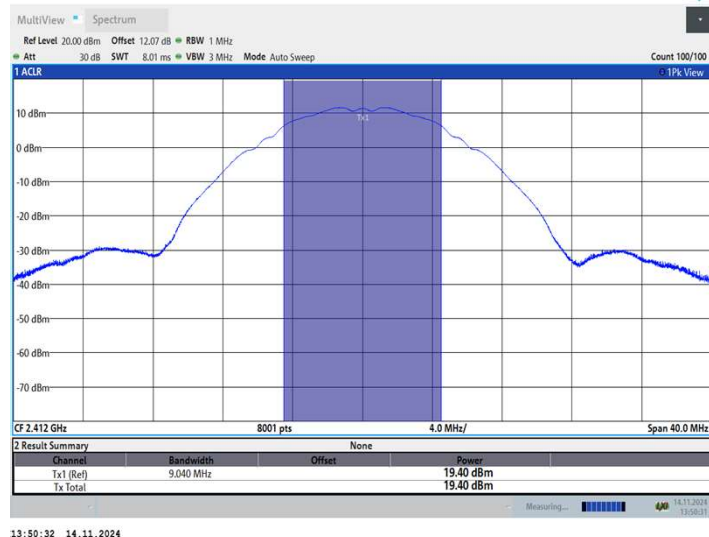
Appendix B: Maximum conducted output power

Test Result Peak

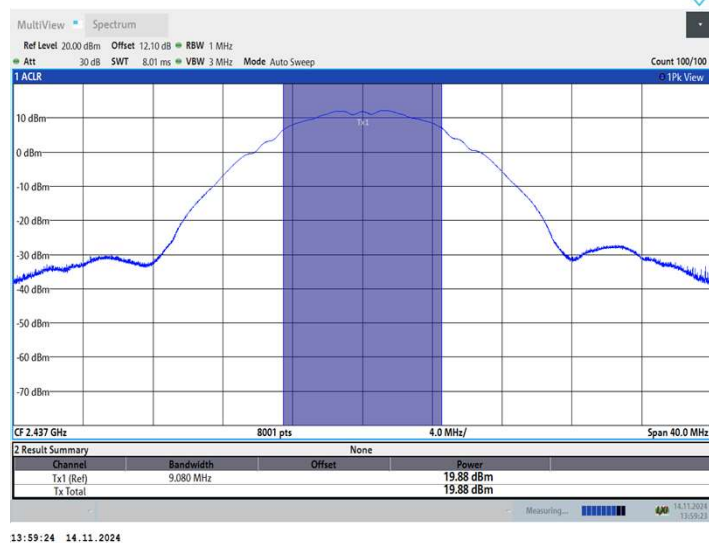
TestMode	Antenna	Frequency [MHz]	Peak Power[dBm]	Conducted Limit[dBm]	EIRP [dBm]	EIRP Limit[dBm]	Verdict
11B	Ant1	2412	19.40	≤30.00	19.40	≤36.00	PASS
		2437	19.88	≤30.00	19.88	≤36.00	PASS
		2462	20.27	≤30.00	20.27	≤36.00	PASS
11G	Ant1	2412	20.99	≤30.00	20.99	≤36.00	PASS
		2437	24.60	≤30.00	24.60	≤36.00	PASS
		2462	24.84	≤30.00	24.84	≤36.00	PASS
11N20SISO	Ant1	2412	20.75	≤30.00	20.75	≤36.00	PASS
		2437	24.07	≤30.00	24.07	≤36.00	PASS
		2462	24.31	≤30.00	24.31	≤36.00	PASS
11N40SISO	Ant1	2422	20.94	≤30.00	20.94	≤36.00	PASS
		2437	22.30	≤30.00	22.30	≤36.00	PASS
		2452	21.27	≤30.00	21.27	≤36.00	PASS
11AC20SISO	Ant1	2412	20.34	≤30.00	20.34	≤36.00	PASS
		2437	23.81	≤30.00	23.81	≤36.00	PASS
		2462	24.62	≤30.00	24.62	≤36.00	PASS
11AC40SISO	Ant1	2422	20.92	≤30.00	20.92	≤36.00	PASS
		2437	22.72	≤30.00	22.72	≤36.00	PASS
		2452	21.66	≤30.00	21.66	≤36.00	PASS

Test Graphs Peak

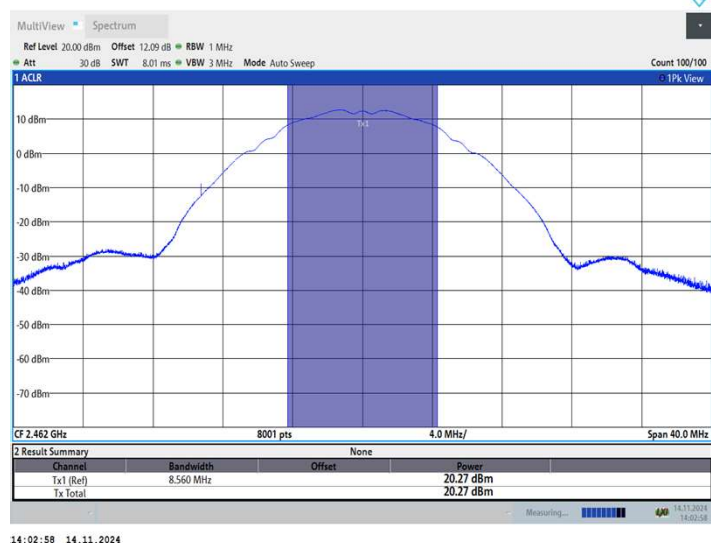
11B_Ant1_2412



11B_Ant1_2437

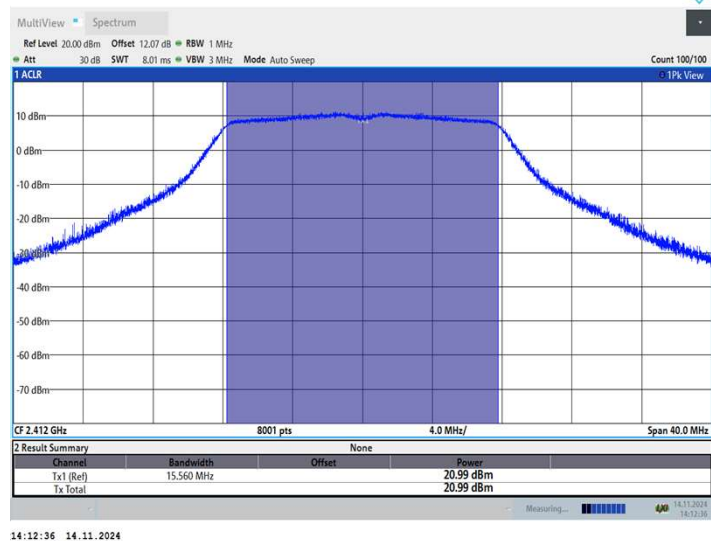


11B_Ant1_2462



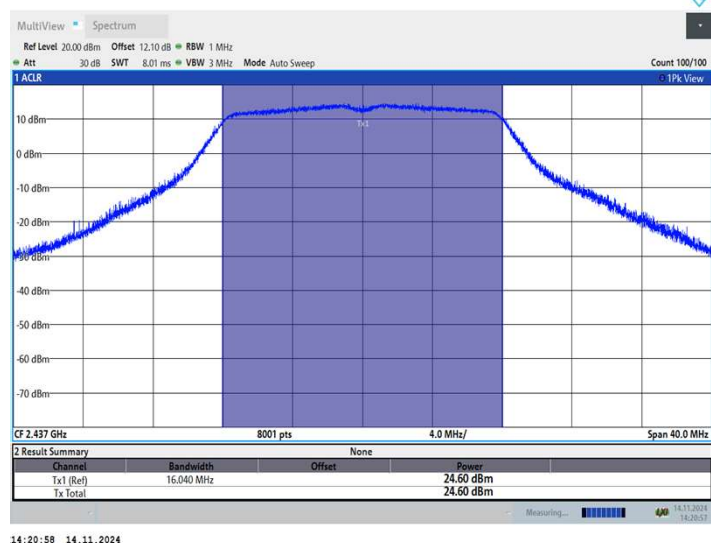
14:02:58 14.11.2024

11G_Ant1_2412



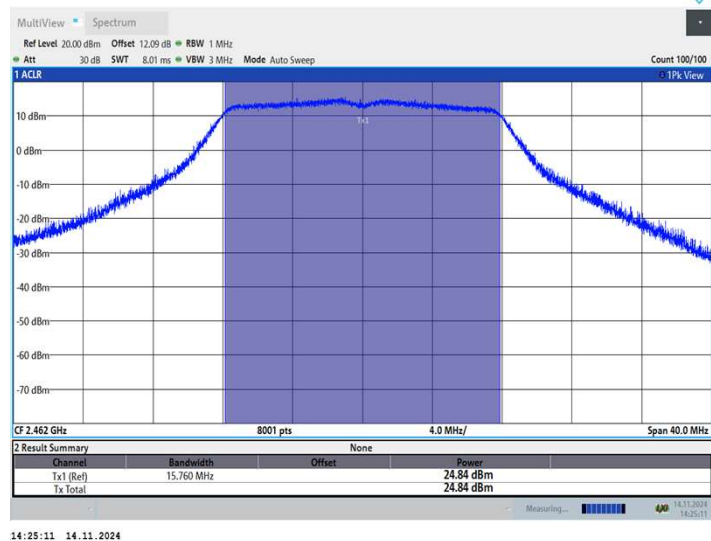
14:12:36 14.11.2024

11G_Ant1_2437



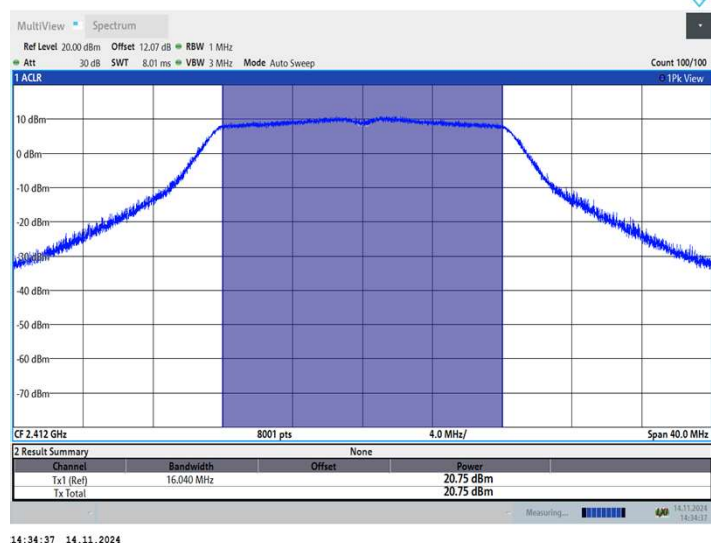
14:20:58 14.11.2024

11G_Ant1_2462

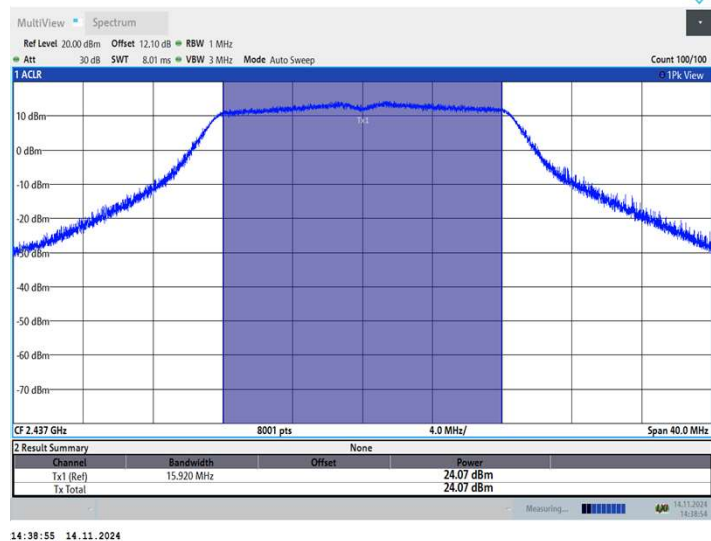


14:25:11 14.11.2024

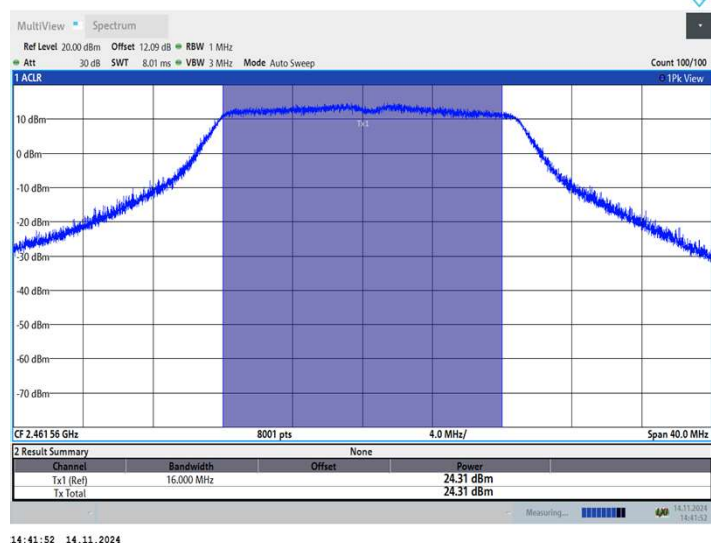
11N20SISO_Ant1_2412



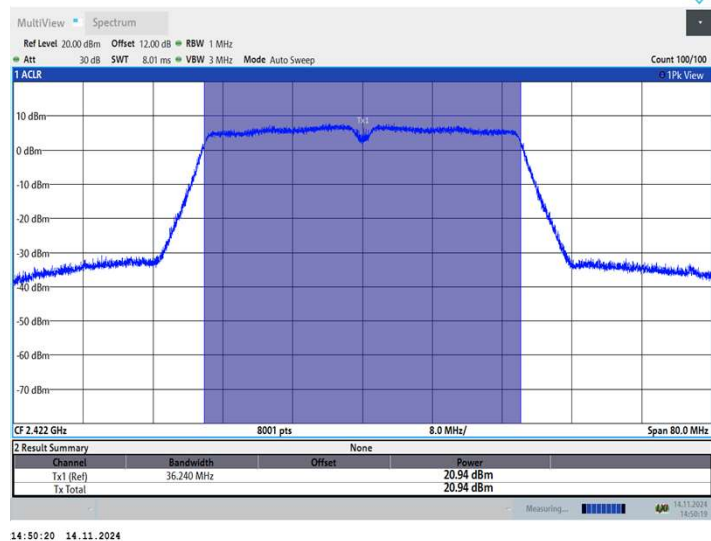
11N20SISO_Ant1_2437



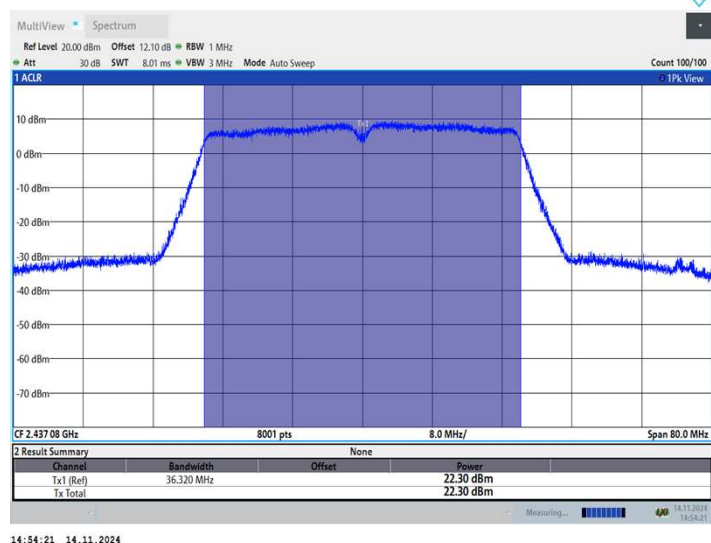
11N20SISO_Ant1_2462



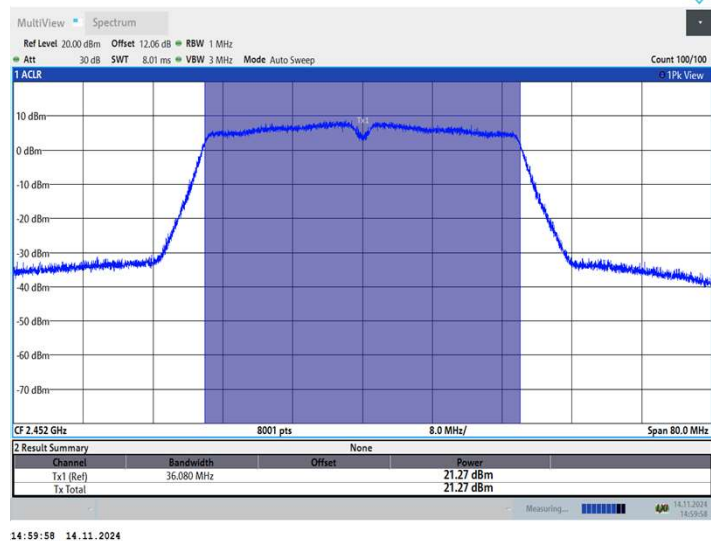
11N40SISO_Ant1_2422



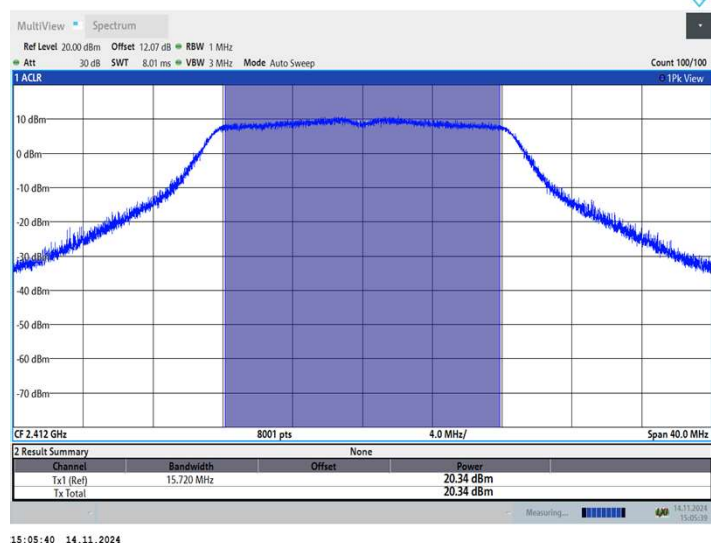
11N40SISO_Ant1_2437



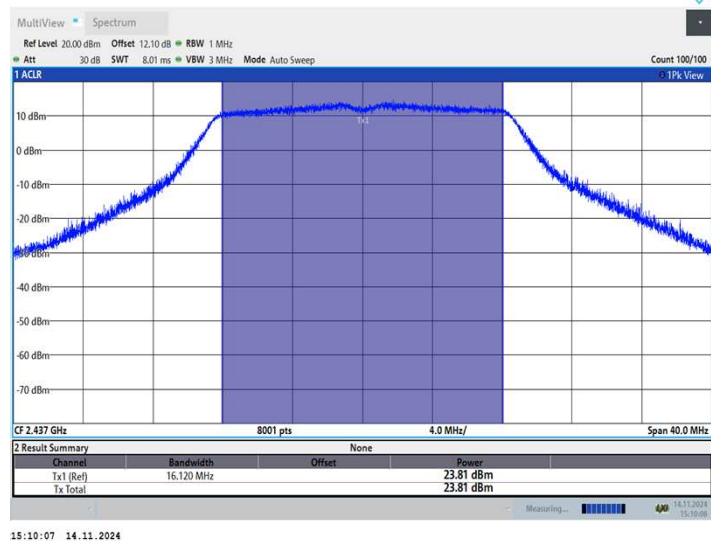
11N40SISO_Ant1_2452



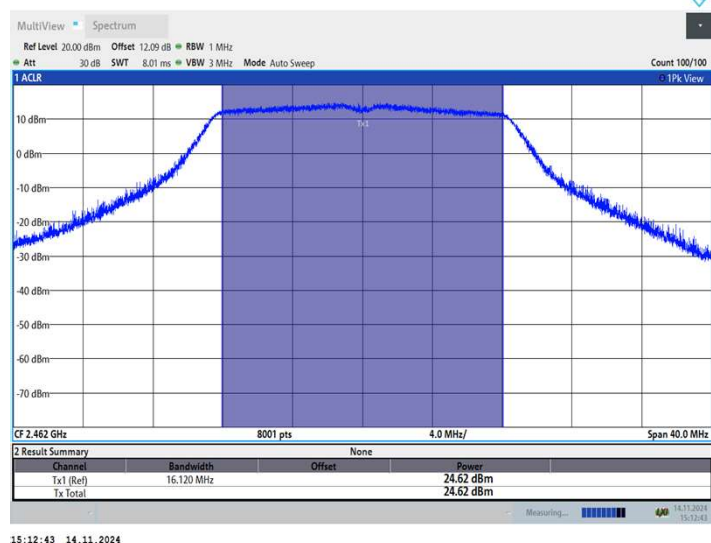
11AC20SISO_Ant1_2412



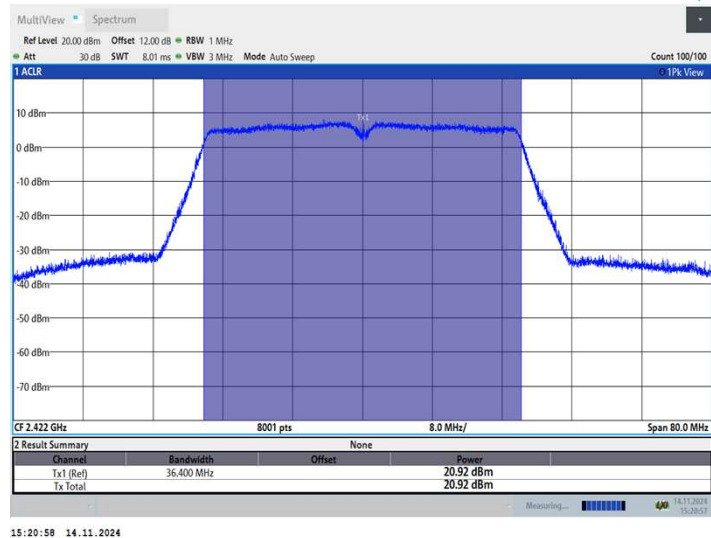
11AC20SISO_Ant1_2437



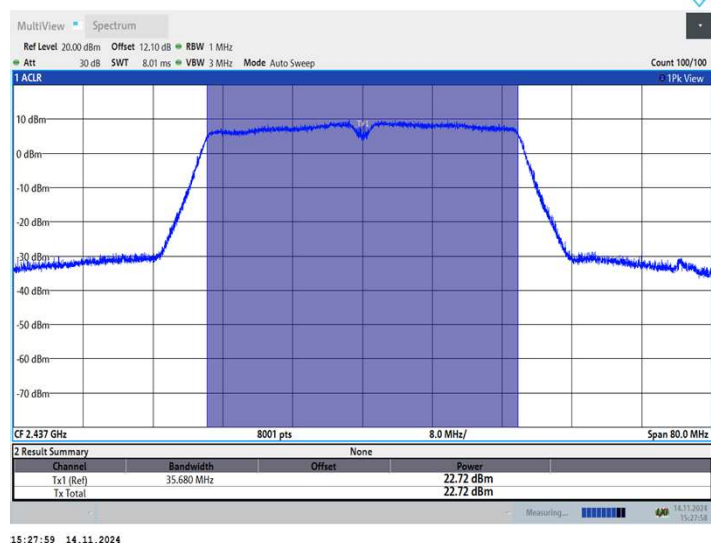
11AC20SISO_Ant1_2462



11AC40SISO_Ant1_2422

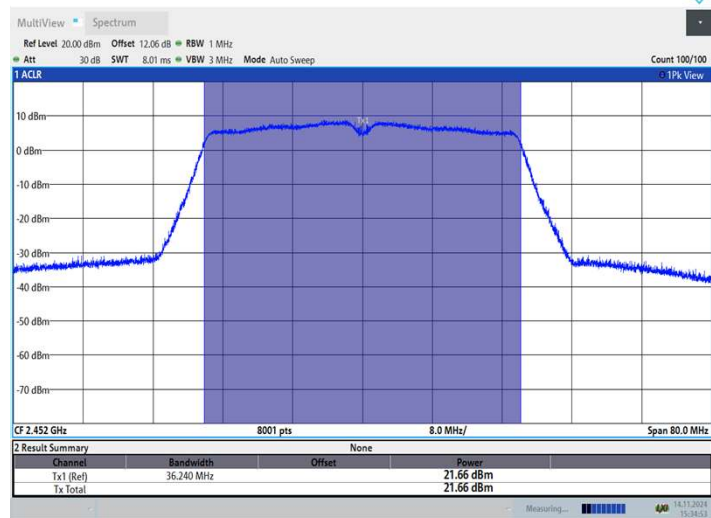


11AC40SISO_Ant1_2437



15:27:59 14.11.2024

11AC40SISO_Ant1_2452



15:34:54 14.11.2024

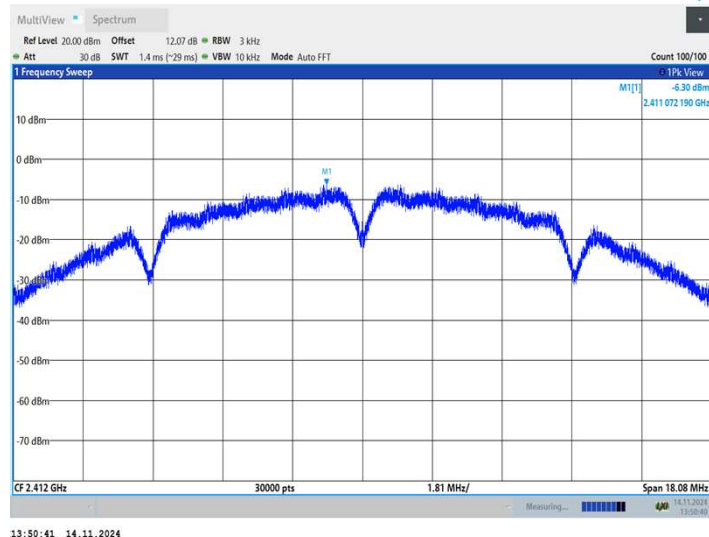
Appendix C: Maximum power spectral density

Test Result

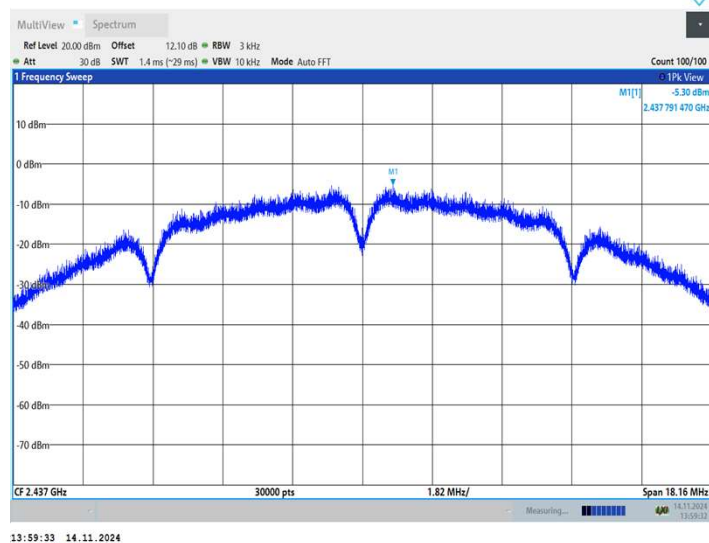
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-6.30	≤8.00	PASS
		2437	-5.30	≤8.00	PASS
		2462	-5.12	≤8.00	PASS
11G	Ant1	2412	-10.46	≤8.00	PASS
		2437	-8.94	≤8.00	PASS
		2462	-6.69	≤8.00	PASS
11N20SISO	Ant1	2412	-12.43	≤8.00	PASS
		2437	-9.35	≤8.00	PASS
		2462	-7.62	≤8.00	PASS
11N40SISO	Ant1	2422	-15.53	≤8.00	PASS
		2437	-12.66	≤8.00	PASS
		2452	-15.01	≤8.00	PASS
11AC20SISO	Ant1	2412	-12.89	≤8.00	PASS
		2437	-7.65	≤8.00	PASS
		2462	-7.75	≤8.00	PASS
11AC40SISO	Ant1	2422	-14.10	≤8.00	PASS
		2437	-14.24	≤8.00	PASS
		2452	-14.93	≤8.00	PASS

Test Graphs

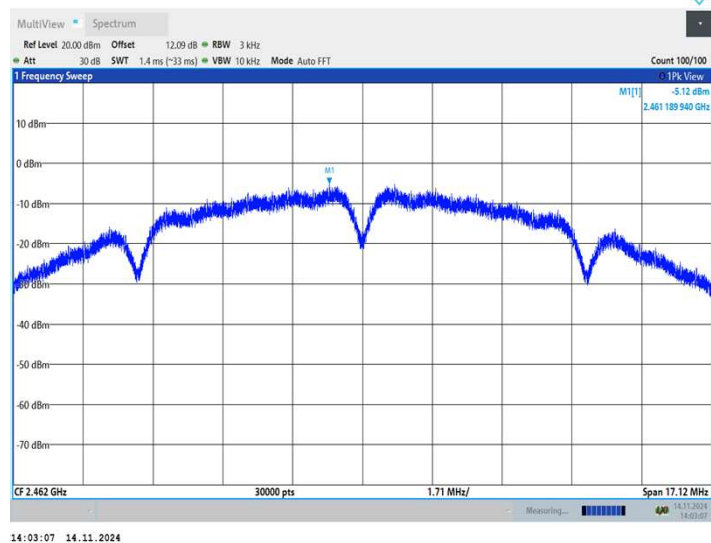
11B_Ant1_2412



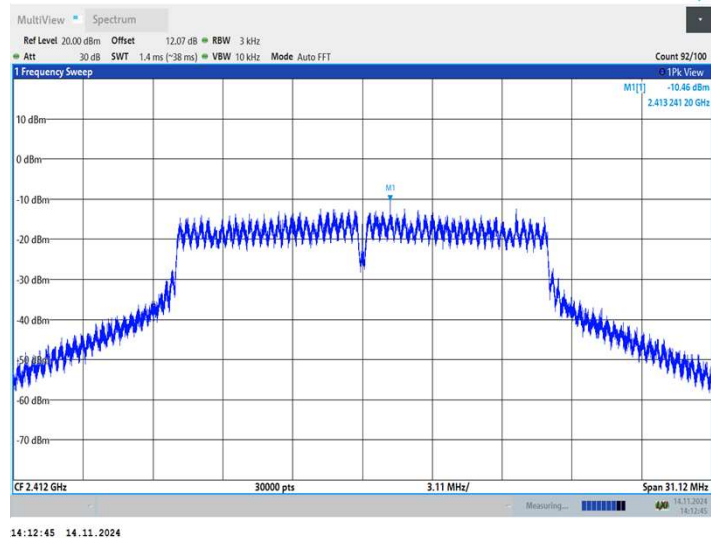
11B_Ant1_2437



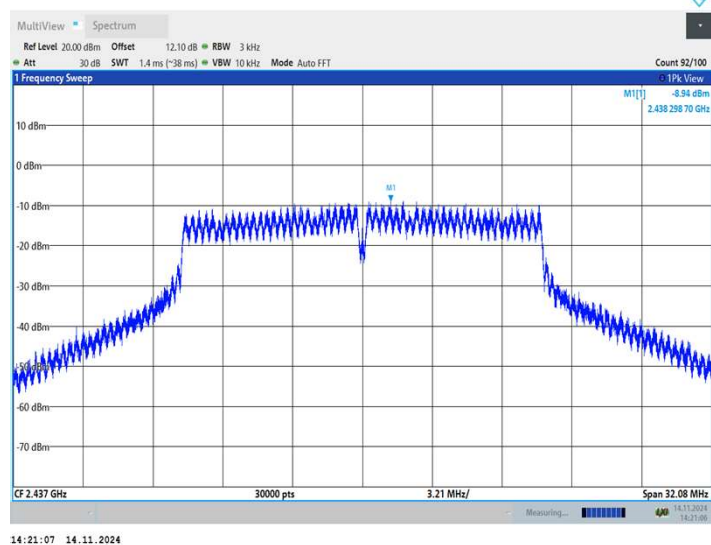
11B_Ant1_2462



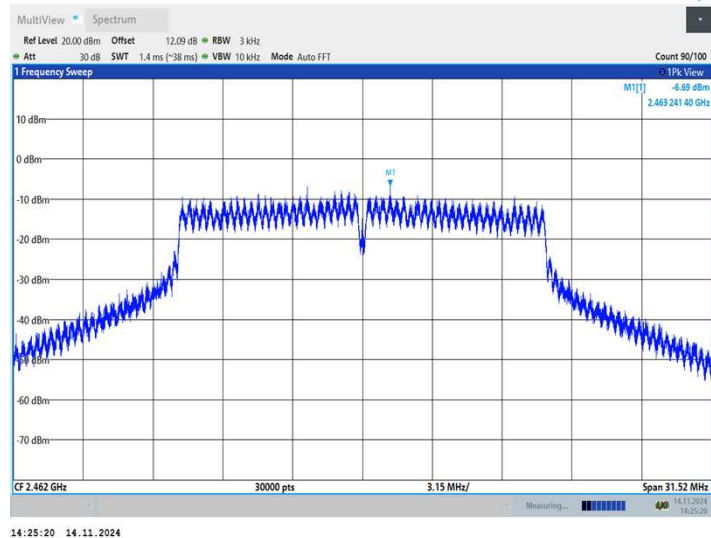
11G_Ant1_2412



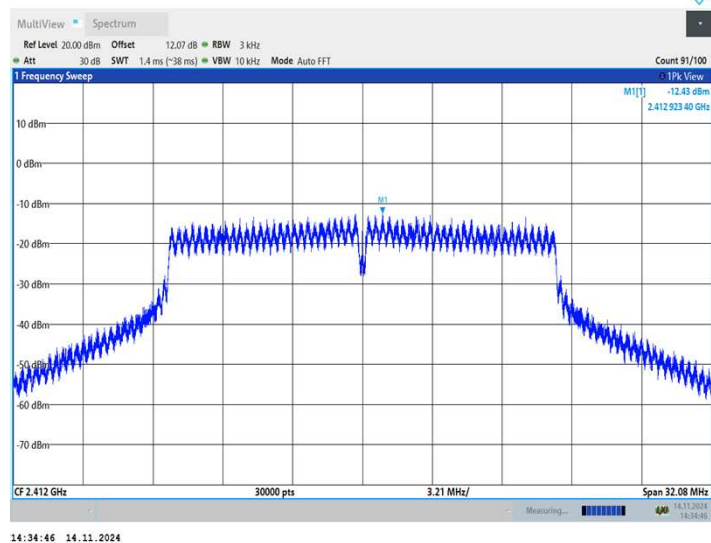
11G_Ant1_2437



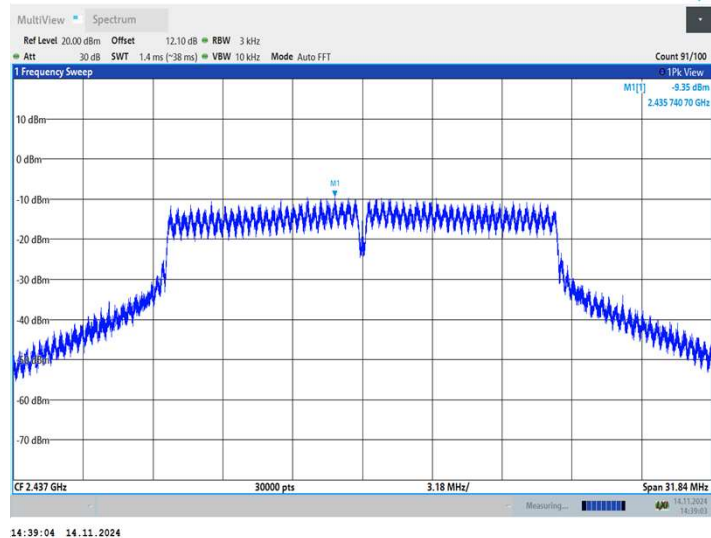
11G_Ant1_2462



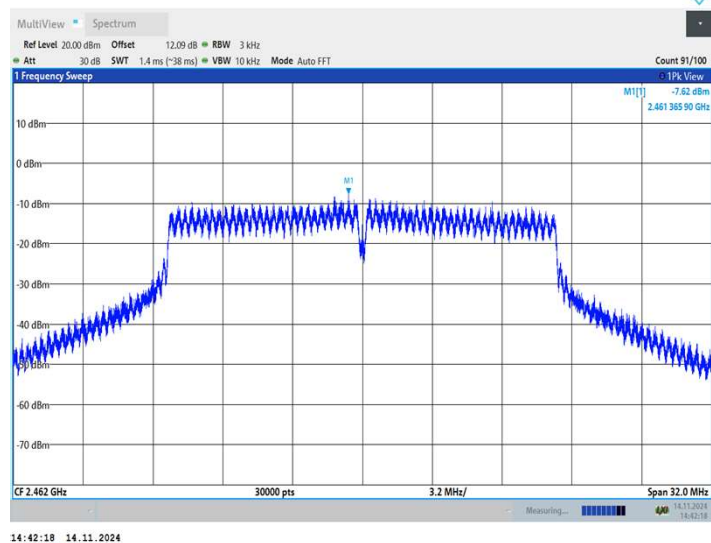
11N20SISO_Ant1_2412



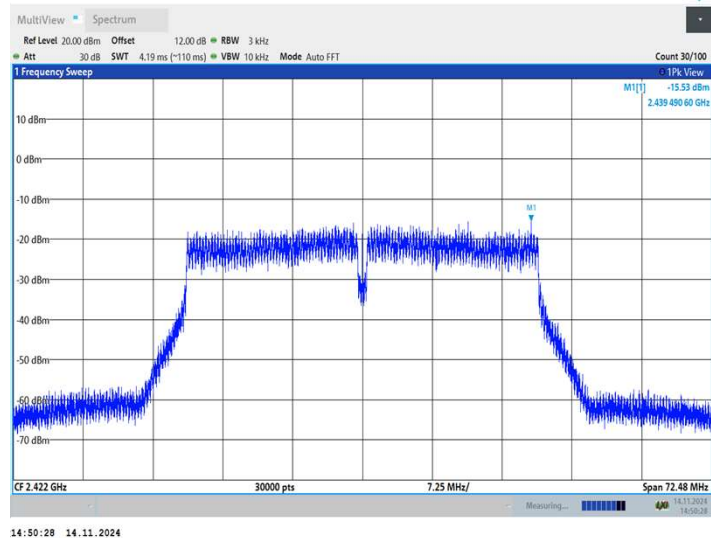
11N20SISO_Ant1_2437



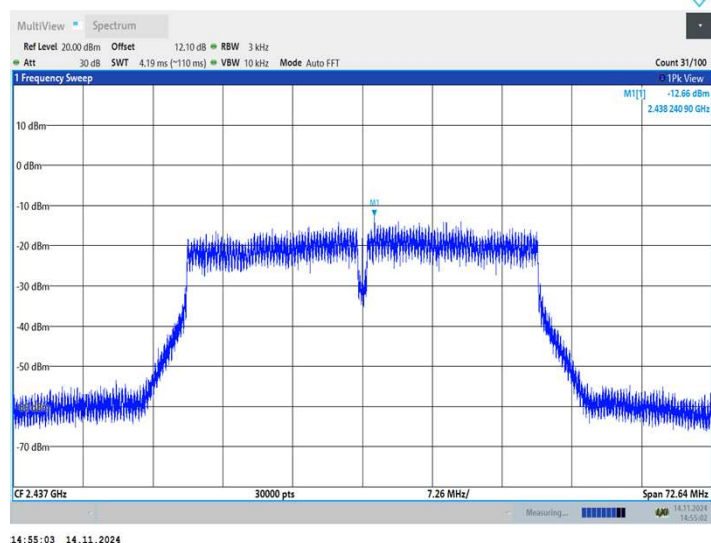
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422

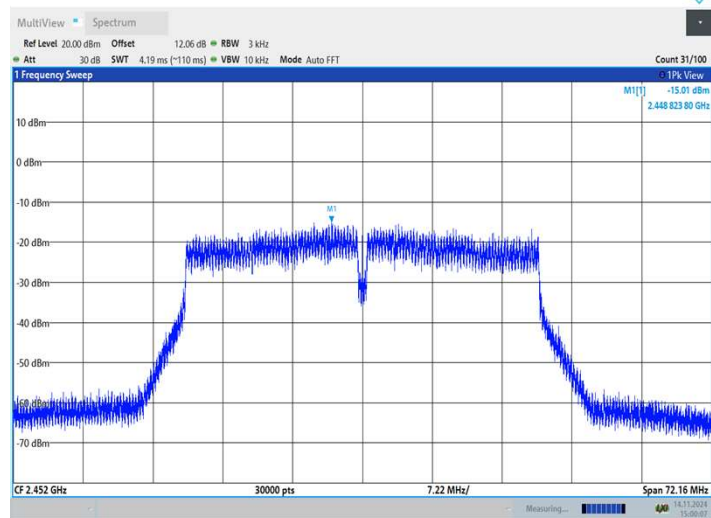


11N40SISO_Ant1_2437



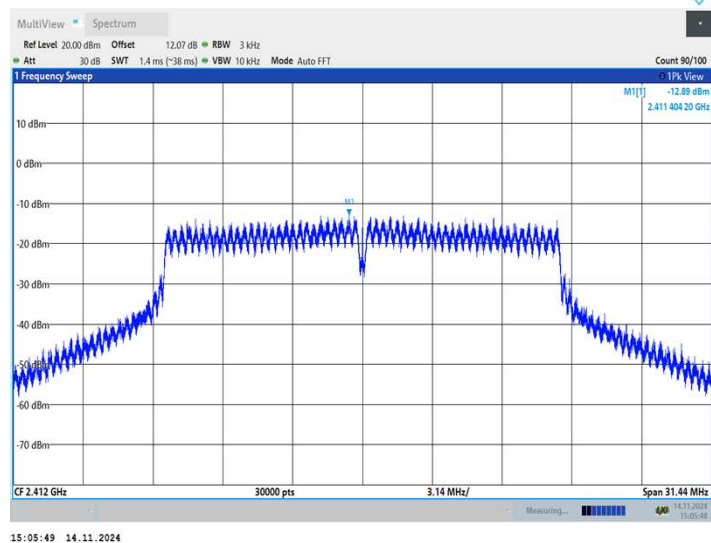
14:55:03 14.11.2024

11N40SISO_Ant1_2452

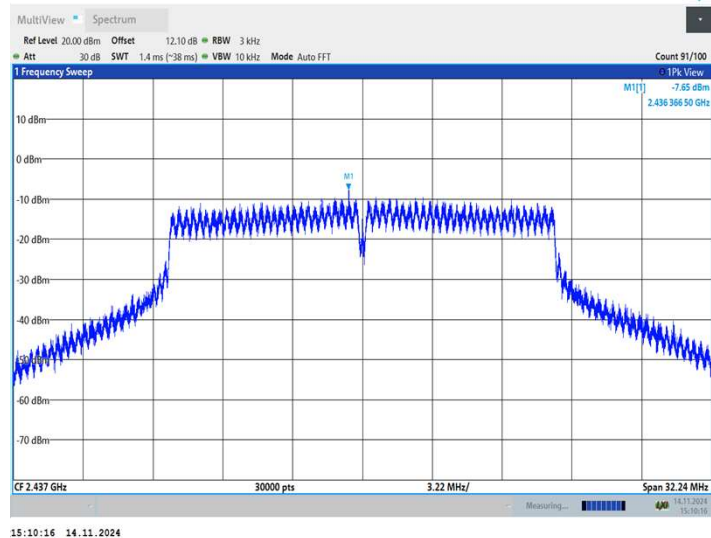


15:00:07 14.11.2024

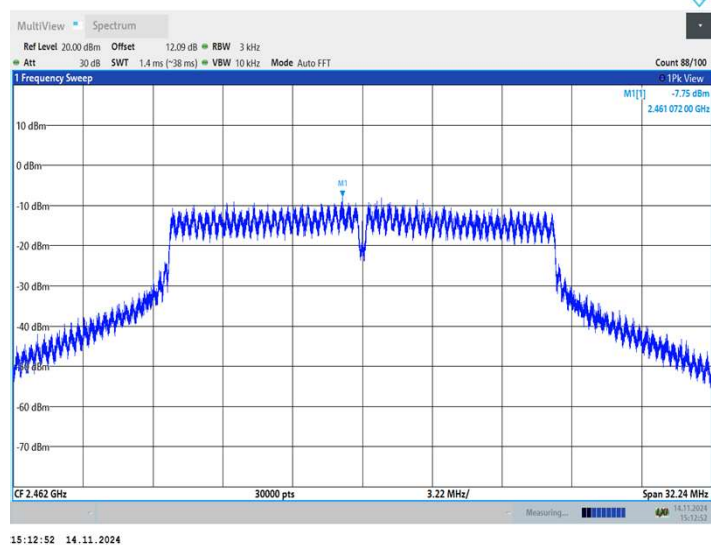
11AC20SISO_Ant1_2412



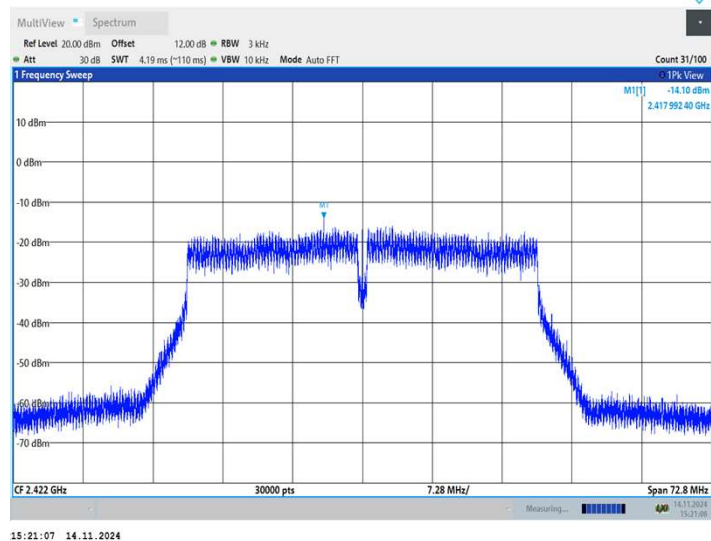
11AC20SISO_Ant1_2437



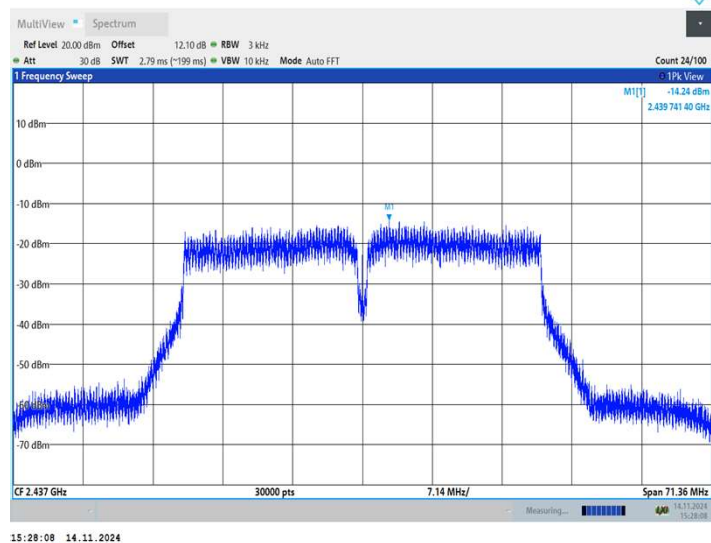
11AC20SISO_Ant1_2462



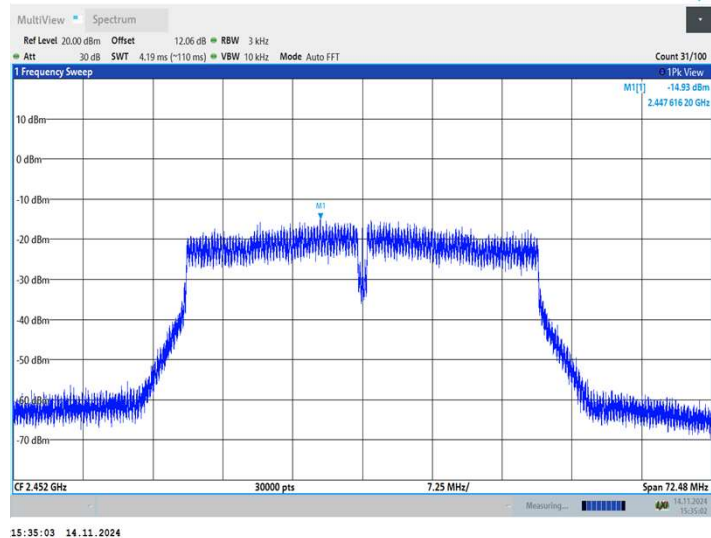
11AC40SISO_Ant1_2422



11AC40SISO_Ant1_2437



11AC40SISO_Ant1_2452



Appendix D: Band edge measurements

Test Result

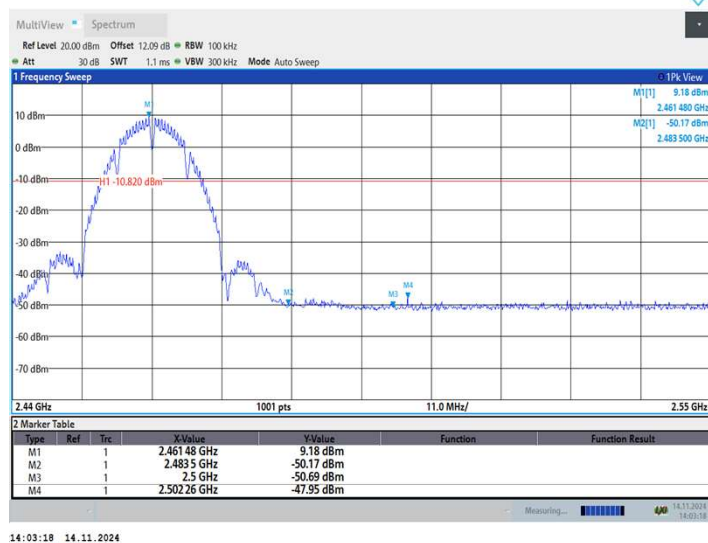
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	8.27	-34.34	≤ -11.73	PASS
		High	2462	9.18	-47.95	≤ -10.82	PASS
11G	Ant1	Low	2412	2.92	-26.01	≤ -17.08	PASS
		High	2462	7.01	-43.99	≤ -12.99	PASS
11N20SISO	Ant1	Low	2412	3.05	-25.44	≤ -16.95	PASS
		High	2462	7.08	-43.75	≤ -12.92	PASS
11N40SISO	Ant1	Low	2422	-0.80	-36.52	≤ -20.8	PASS
		High	2452	0.13	-42.91	≤ -19.87	PASS
11AC20SISO	Ant1	Low	2412	3.08	-25.31	≤ -16.92	PASS
		High	2462	7.19	-42.51	≤ -12.81	PASS
11AC40SISO	Ant1	Low	2422	-0.73	-35.98	≤ -20.73	PASS
		High	2452	0.33	-43.46	≤ -19.67	PASS

Test Graphs

11B_Ant1_Low_2412



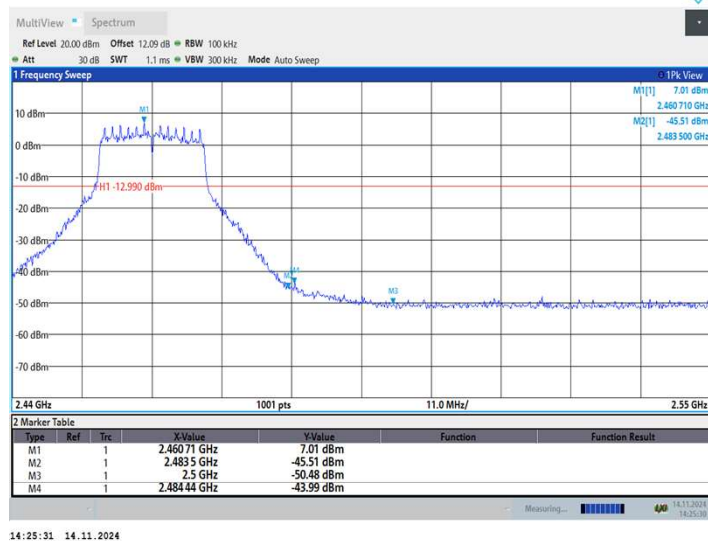
11B_Ant1_High_2462



11G_Ant1_Low_2412



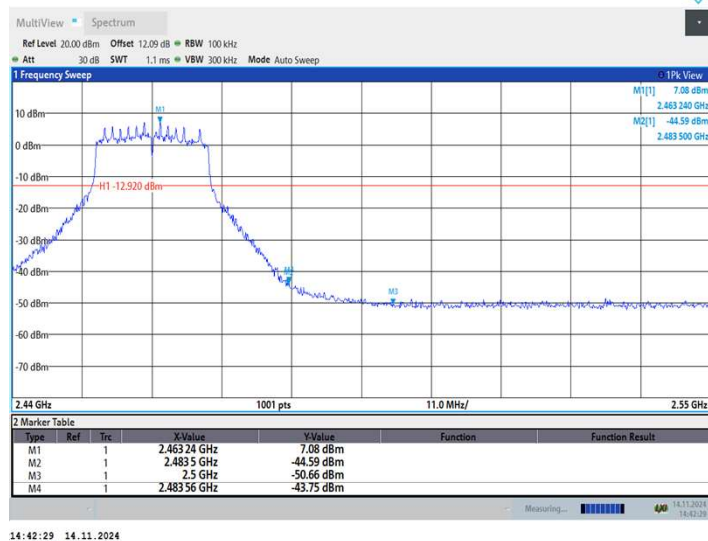
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



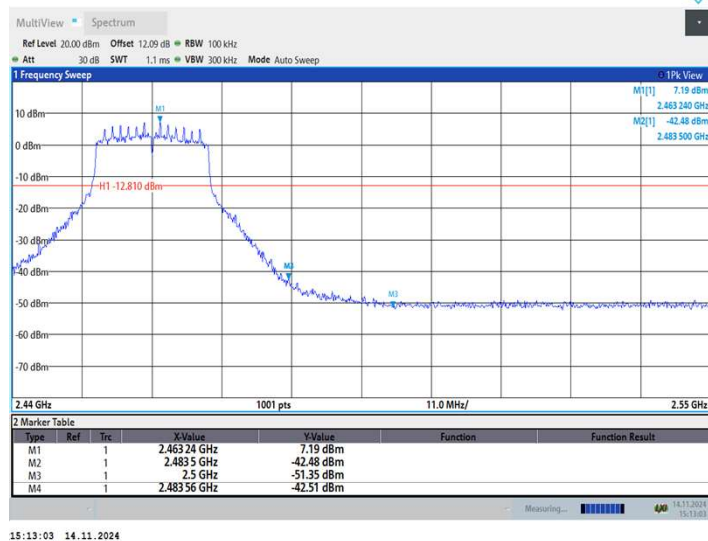
11N40SISO_Ant1_High_2452



11AC20SISO_Ant1_Low_2412



11AC20SISO_Ant1_High_2462



11AC40SISO_Ant1_Low_2422



11AC40SISO_Ant1_High_2452



Appendix E: Conducted Spurious Emission

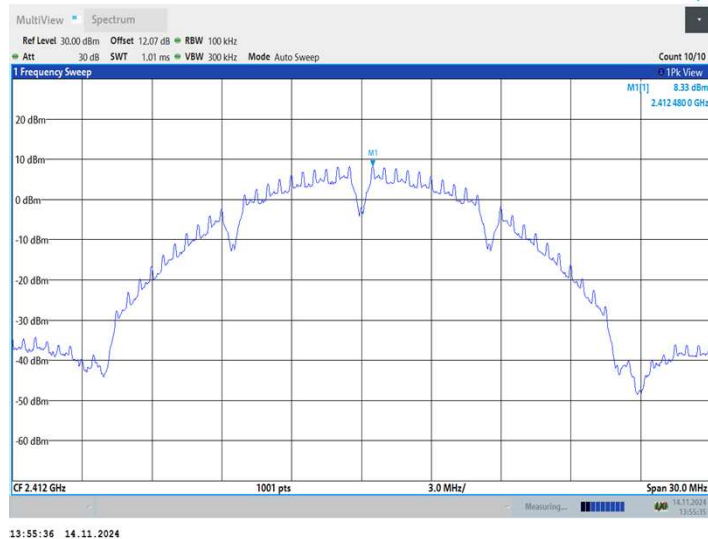
Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	8.33	8.33	---	PASS
			30~1000	8.33	-47.47	≤-11.67	PASS
			1000~26500	8.33	-41.61	≤-11.67	PASS
		2437	Reference	8.82	8.82	---	PASS
			30~1000	8.82	-47	≤-11.18	PASS
			1000~26500	8.82	-41.66	≤-11.18	PASS
		2462	Reference	9.28	9.28	---	PASS
			30~1000	9.28	-46.35	≤-10.72	PASS
			1000~26500	9.28	-40.87	≤-10.72	PASS
11G	Ant1	2412	Reference	3.05	3.05	---	PASS
			30~1000	3.05	-47.31	≤-16.95	PASS
			1000~26500	3.05	-41.3	≤-16.95	PASS
		2437	Reference	6.70	6.70	---	PASS
			30~1000	6.70	-45.85	≤-13.3	PASS
			1000~26500	6.70	-41.63	≤-13.3	PASS
		2462	Reference	7.18	7.18	---	PASS
			30~1000	7.18	-47.31	≤-12.82	PASS
			1000~26500	7.18	-41.33	≤-12.82	PASS
11N20SISO	Ant1	2412	Reference	3.12	3.12	---	PASS
			30~1000	3.12	-46.87	≤-16.88	PASS
			1000~26500	3.12	-41.68	≤-16.88	PASS
		2437	Reference	6.68	6.68	---	PASS
			30~1000	6.68	-47.31	≤-13.32	PASS
			1000~26500	6.68	-41.52	≤-13.32	PASS
		2462	Reference	7.21	7.21	---	PASS
			30~1000	7.21	-46.95	≤-12.79	PASS
			1000~26500	7.21	-41.44	≤-12.79	PASS
11N40SISO	Ant1	2422	Reference	-0.74	-0.74	---	PASS
			30~1000	-0.74	-47.51	≤-20.74	PASS
			1000~26500	-0.74	-41.63	≤-20.74	PASS
		2437	Reference	1.45	1.45	---	PASS

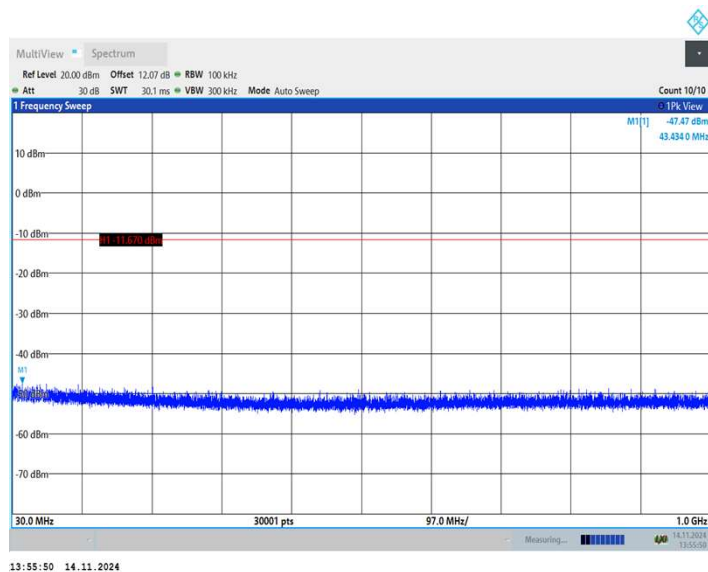
			30~1000	1.45	-46.5	≤ -18.55	PASS
			1000~26500	1.45	-41.39	≤ -18.55	PASS
		2452	Reference	0.18	0.18	---	PASS
			30~1000	0.18	-46.79	≤ -19.82	PASS
			1000~26500	0.18	-40.78	≤ -19.82	PASS
11AC20SISO	Ant1	2412	Reference	3.12	3.12	---	PASS
			30~1000	3.12	-46.62	≤ -16.88	PASS
			1000~26500	3.12	-41.55	≤ -16.88	PASS
		2437	Reference	6.78	6.78	---	PASS
			30~1000	6.78	-47.16	≤ -13.22	PASS
			1000~26500	6.78	-41.16	≤ -13.22	PASS
		2462	Reference	7.26	7.26	---	PASS
			30~1000	7.26	-46.79	≤ -12.74	PASS
			1000~26500	7.26	-41.69	≤ -12.74	PASS
11AC40SISO	Ant1	2422	Reference	-0.68	-0.68	---	PASS
			30~1000	-0.68	-47.4	≤ -20.68	PASS
			1000~26500	-0.68	-41.7	≤ -20.68	PASS
		2437	Reference	1.35	1.35	---	PASS
			30~1000	1.35	-47.02	≤ -18.65	PASS
			1000~26500	1.35	-41.13	≤ -18.65	PASS
		2452	Reference	0.22	0.22	---	PASS
			30~1000	0.22	-47.24	≤ -19.78	PASS
			1000~26500	0.22	-41.61	≤ -19.78	PASS

Test Graphs

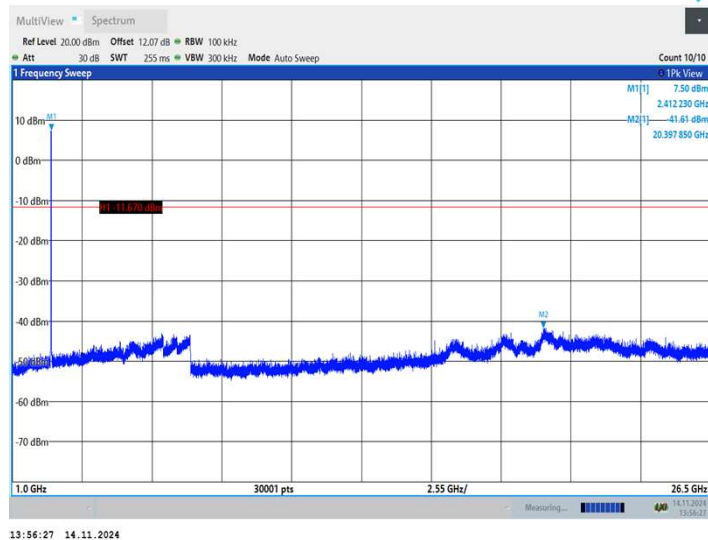
11B_Ant1_2412_0~Reference



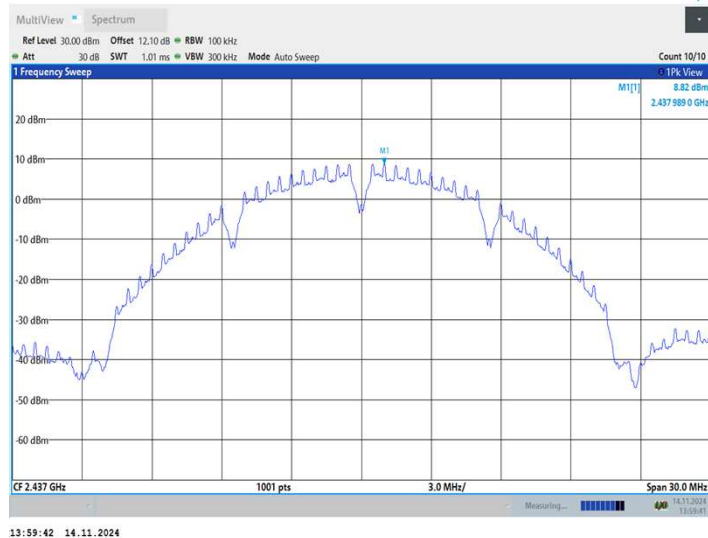
11B_Ant1_2412_30~1000



11B_Ant1_2412_1000~26500



11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000