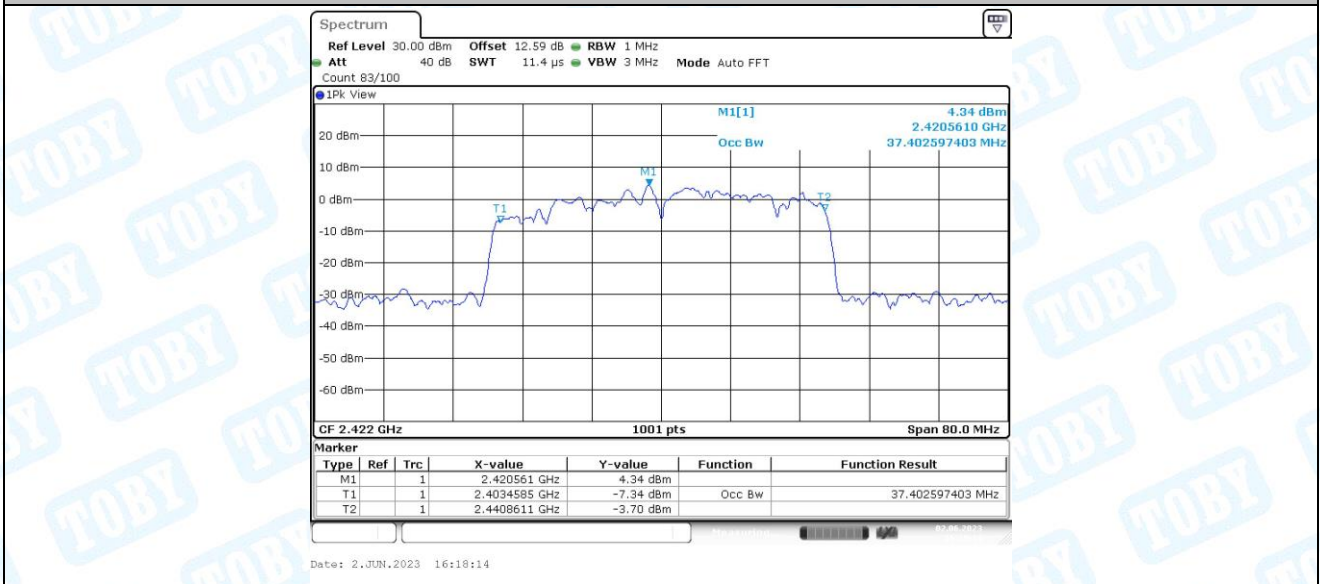
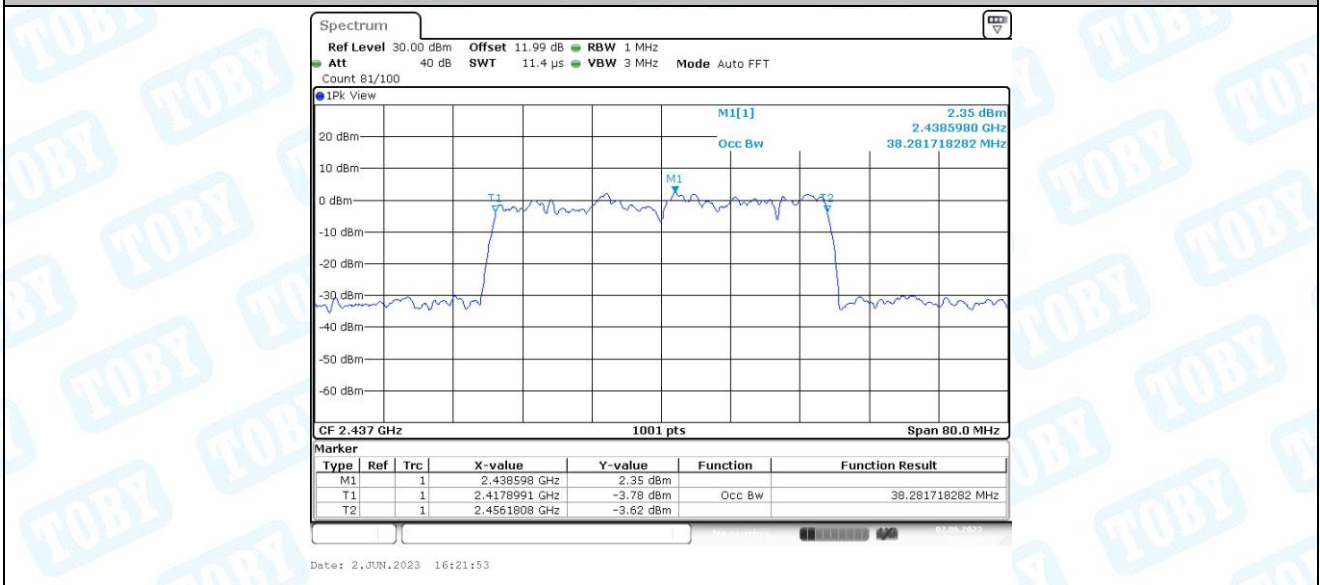


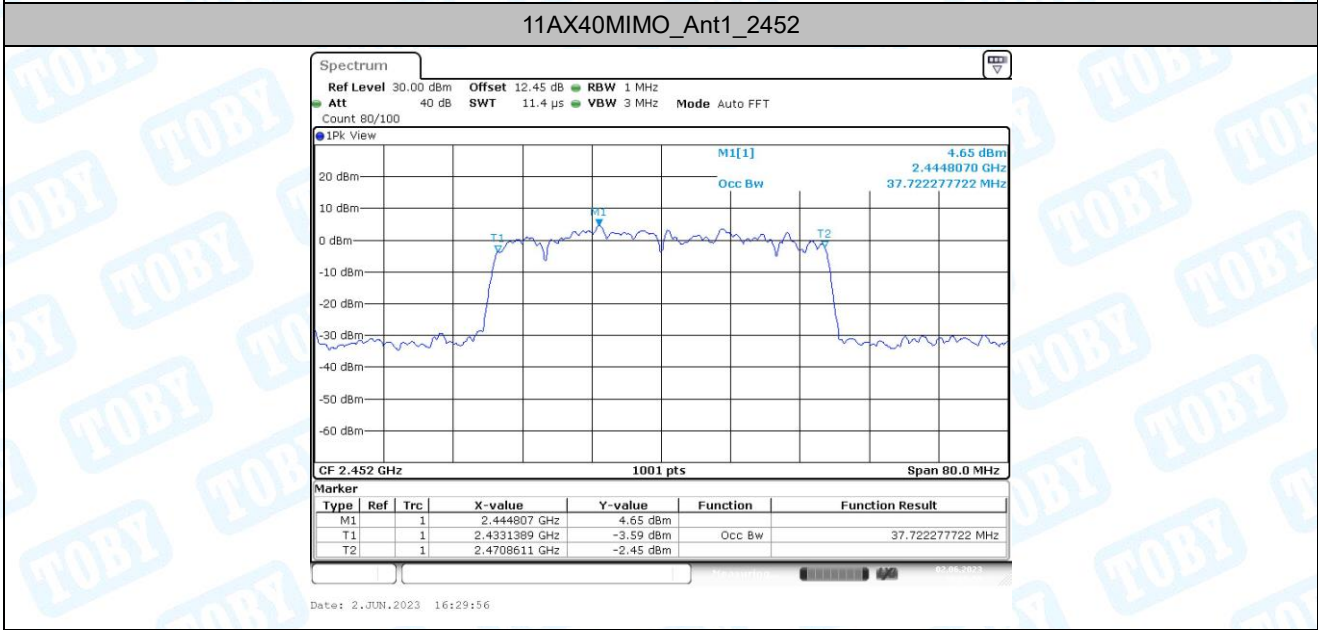
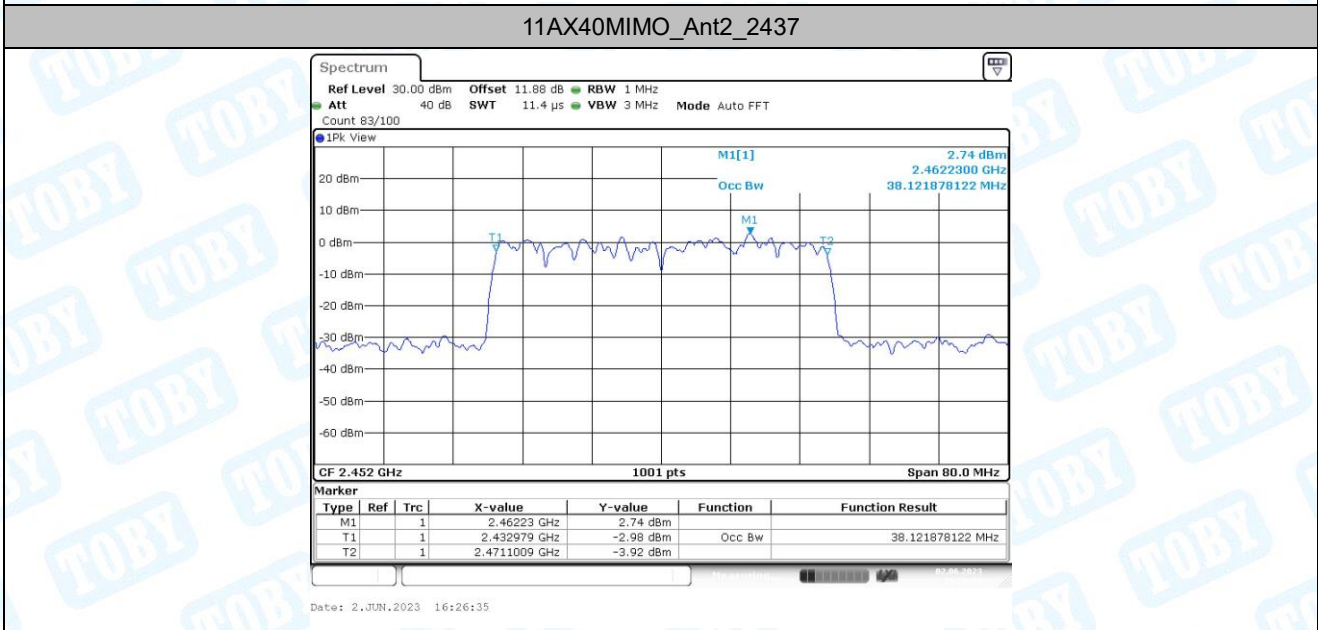
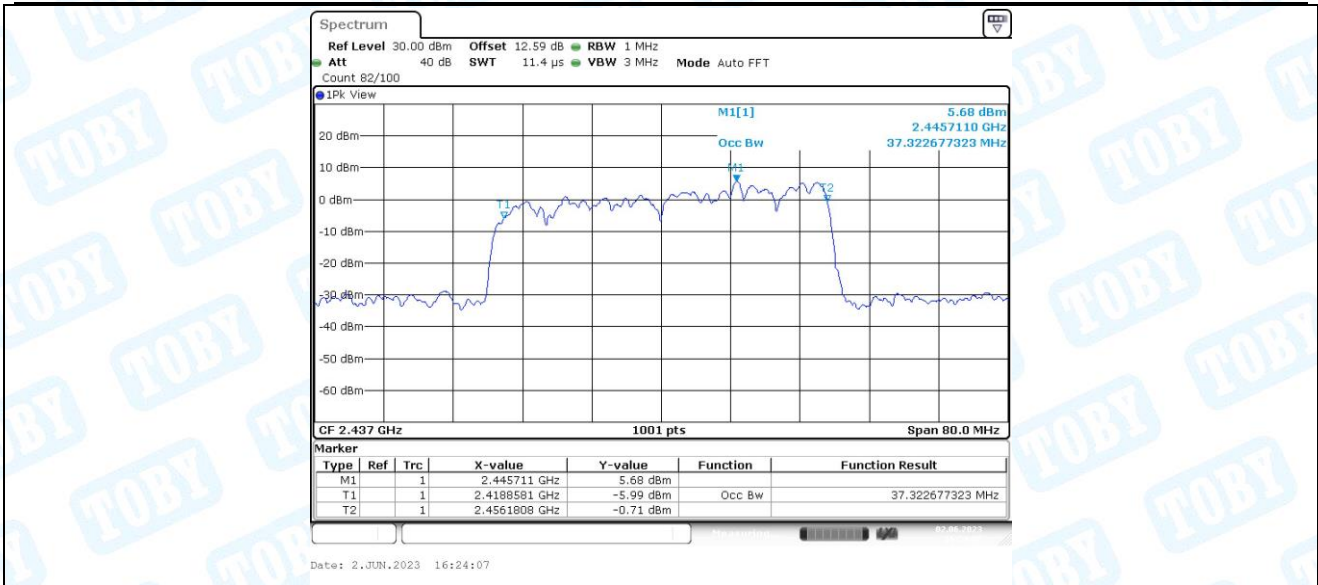
11AX40MIMO_Ant1_2422



11AX40MIMO_Ant2_2422



11AX40MIMO_Ant1_2437



3. Maximum conducted output power

3.1. Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B-CDD	Ant1	2412	13.93	≤30.00	PASS
	Ant2	2412	14.02	≤30.00	PASS
	total	2412	16.99	≤27.72	PASS
	Ant1	2437	14.01	≤30.00	PASS
	Ant2	2437	13.89	≤30.00	PASS
	total	2437	16.96	≤27.72	PASS
	Ant1	2462	14.06	≤30.00	PASS
	Ant2	2462	13.98	≤30.00	PASS
	total	2462	17.03	≤27.72	PASS
11G-CDD	Ant1	2412	14.71	≤30.00	PASS
	Ant2	2412	14.91	≤30.00	PASS
	total	2412	17.82	≤27.72	PASS
	Ant1	2437	14.80	≤30.00	PASS
	Ant2	2437	15.11	≤30.00	PASS
	total	2437	17.97	≤27.72	PASS
	Ant1	2462	14.97	≤30.00	PASS
	Ant2	2462	15.13	≤30.00	PASS
	total	2462	18.06	≤27.72	PASS
11N20MIMO	Ant1	2412	14.68	≤30.00	PASS
	Ant2	2412	14.86	≤30.00	PASS
	total	2412	17.78	≤27.72	PASS
	Ant1	2437	14.67	≤30.00	PASS
	Ant2	2437	15.03	≤30.00	PASS
	total	2437	17.86	≤27.72	PASS
	Ant1	2462	14.88	≤30.00	PASS
	Ant2	2462	15.20	≤30.00	PASS
	total	2462	18.05	≤27.72	PASS
11N40MIMO	Ant1	2422	15.08	≤30.00	PASS
	Ant2	2422	15.37	≤30.00	PASS
	total	2422	18.24	≤27.72	PASS
	Ant1	2437	15.02	≤30.00	PASS
	Ant2	2437	15.34	≤30.00	PASS
	total	2437	18.19	≤27.72	PASS
	Ant1	2452	14.15	≤30.00	PASS
	Ant2	2452	14.65	≤30.00	PASS
	total	2452	17.42	≤27.72	PASS
11AX20MIMO	Ant1	2412	14.13	≤30.00	PASS
	Ant2	2412	14.27	≤30.00	PASS
	total	2412	17.21	≤27.72	PASS
	Ant1	2437	14.45	≤30.00	PASS

	Ant2	2437	14.82	≤30.00	PASS
	total	2437	17.65	≤27.72	PASS
	Ant1	2462	14.62	≤30.00	PASS
	Ant2	2462	15.00	≤30.00	PASS
	total	2462	17.82	≤27.72	PASS
11AX40MIMO	Ant1	2422	13.82	≤30.00	PASS
	Ant2	2422	14.00	≤30.00	PASS
	total	2422	16.92	≤27.72	PASS
	Ant1	2437	13.69	≤30.00	PASS
	Ant2	2437	14.18	≤30.00	PASS
	total	2437	16.95	≤27.72	PASS
	Ant1	2452	13.73	≤30.00	PASS
	Ant2	2452	14.27	≤30.00	PASS
	total	2452	17.02	≤27.72	PASS

Note:

The ANT. 1 and ANT. 2 will transmitting simultaneously for the 802.11b/g/n/ax Mode, the T Directional Gain = Ant. Gain + 10*LOG(N_{ANT}) = 8.28dBi > 6dBi.

So P_{out} = P_{limit} - (G_{TX} - 6) = 30 - 2.28 = 27.72dBm

4. Maximum power spectral density

4.1. Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B-CDD	Ant1	2412	-19.76	≤8.00	PASS
	Ant2	2412	-18.92	≤8.00	PASS
	total	2412	-16.31	≤5.72	PASS
	Ant1	2437	-19.47	≤8.00	PASS
	Ant2	2437	-19.15	≤8.00	PASS
	total	2437	-16.30	≤5.72	PASS
	Ant1	2462	-19.73	≤8.00	PASS
	Ant2	2462	-19.39	≤8.00	PASS
	total	2462	-16.55	≤5.72	PASS
11G-CDD	Ant1	2412	-19.33	≤8.00	PASS
	Ant2	2412	-18.57	≤8.00	PASS
	total	2412	-15.92	≤5.72	PASS
	Ant1	2437	-19.65	≤8.00	PASS
	Ant2	2437	-18.75	≤8.00	PASS
	total	2437	-16.17	≤5.72	PASS
	Ant1	2462	-18.43	≤8.00	PASS
	Ant2	2462	-18.04	≤8.00	PASS
	total	2462	-15.22	≤5.72	PASS
11N20MIMO	Ant1	2412	-19.85	≤8.00	PASS
	Ant2	2412	-19.61	≤8.00	PASS
	total	2412	-16.72	≤5.72	PASS
	Ant1	2437	-19.96	≤8.00	PASS
	Ant2	2437	-17.83	≤8.00	PASS
	total	2437	-15.76	≤5.72	PASS
	Ant1	2462	-20.68	≤8.00	PASS
	Ant2	2462	-17.93	≤8.00	PASS
	total	2462	-16.08	≤5.72	PASS
11N40MIMO	Ant1	2422	-18.83	≤8.00	PASS
	Ant2	2422	-19.21	≤8.00	PASS
	total	2422	-16.01	≤5.72	PASS
	Ant1	2437	-20.23	≤8.00	PASS
	Ant2	2437	-17.04	≤8.00	PASS
	total	2437	-15.34	≤5.72	PASS
	Ant1	2452	-22.09	≤8.00	PASS
	Ant2	2452	-20.6	≤8.00	PASS
	total	2452	-18.27	≤5.72	PASS
11AX20MIMO	Ant1	2412	-20.14	≤8.00	PASS
	Ant2	2412	-20.13	≤8.00	PASS
	total	2412	-17.12	≤5.72	PASS

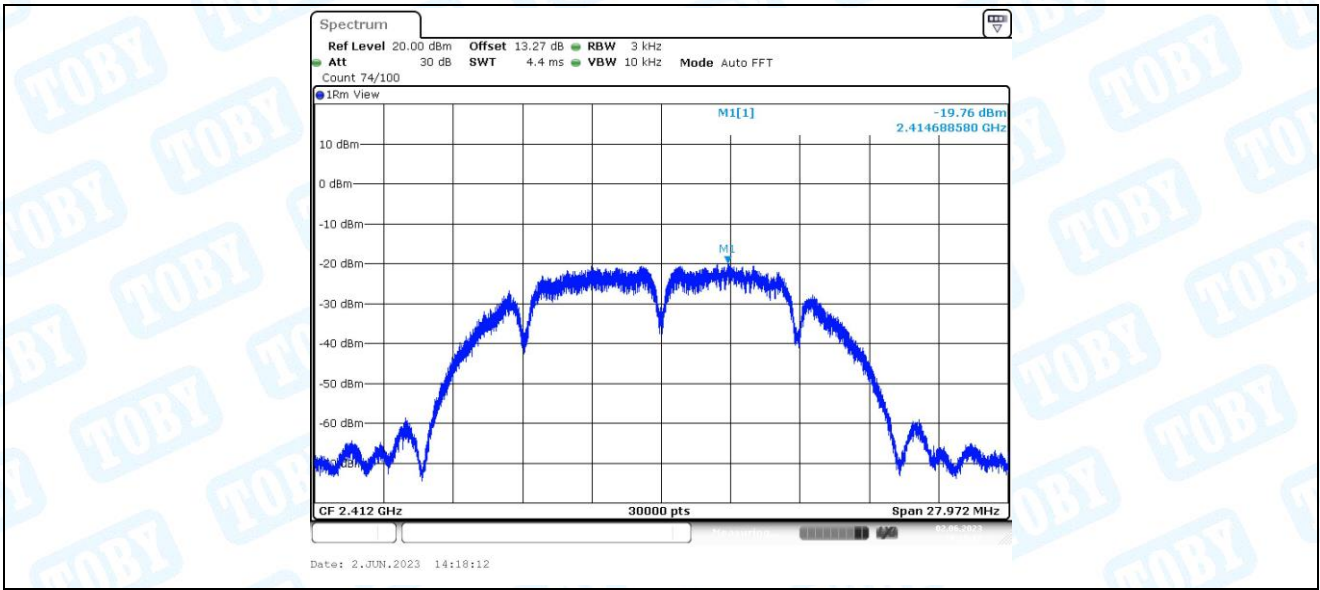
	Ant1	2437	-19.14	≤8.00	PASS
	Ant2	2437	-19.04	≤8.00	PASS
	total	2437	-16.08	≤5.72	PASS
	Ant1	2462	-18.56	≤8.00	PASS
	Ant2	2462	-17.16	≤8.00	PASS
	total	2462	-14.79	≤5.72	PASS
11AX40MIMO	Ant1	2422	-19.00	≤8.00	PASS
	Ant2	2422	-19.61	≤8.00	PASS
	total	2422	-16.28	≤5.72	PASS
	Ant1	2437	-20.58	≤8.00	PASS
	Ant2	2437	-18.54	≤8.00	PASS
	total	2437	-16.43	≤5.72	PASS
	Ant1	2452	-21.73	≤8.00	PASS
	Ant2	2452	-19.04	≤8.00	PASS
	total	2452	-17.17	≤5.72	PASS

Note:

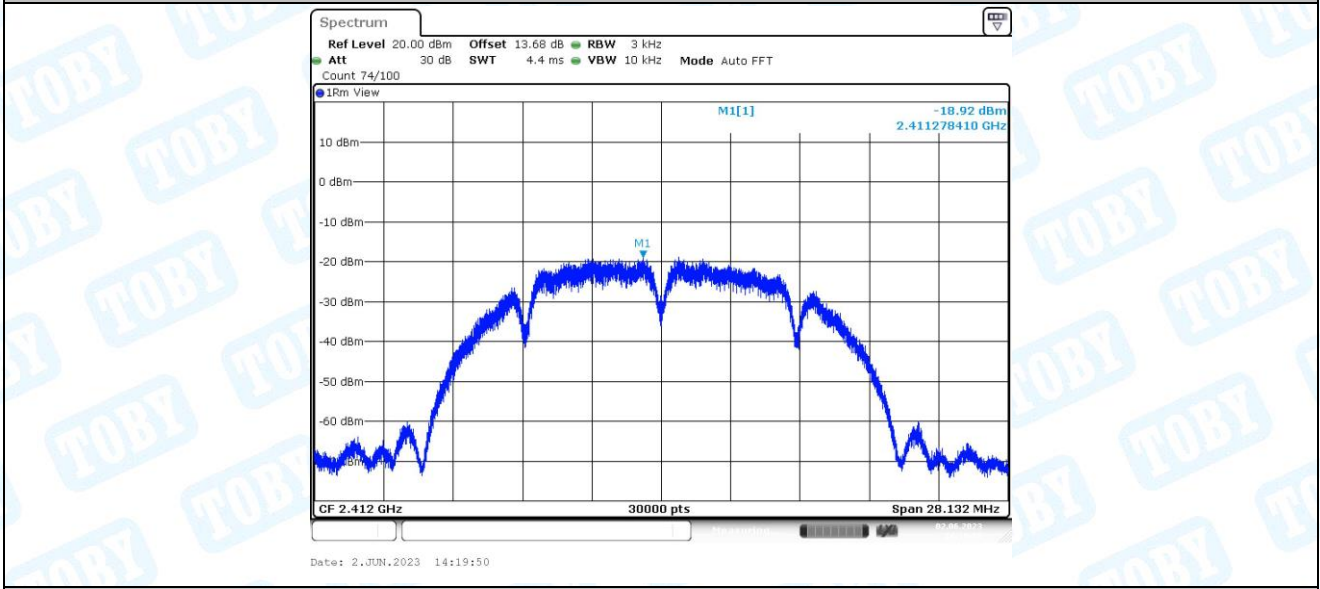
The ANT. 1 and ANT. 2 will transmitting simultaneously for the 802.11b/g/n/ax Mode, the T Directional Gain = Ant. Gain + 10*LOG(N_{ANT}) = 8.28dBi > 6dBi.

So P_{out} = P_{limit} - (G_{TX} - 6) = 8 - 2.28 = 5.72dBm

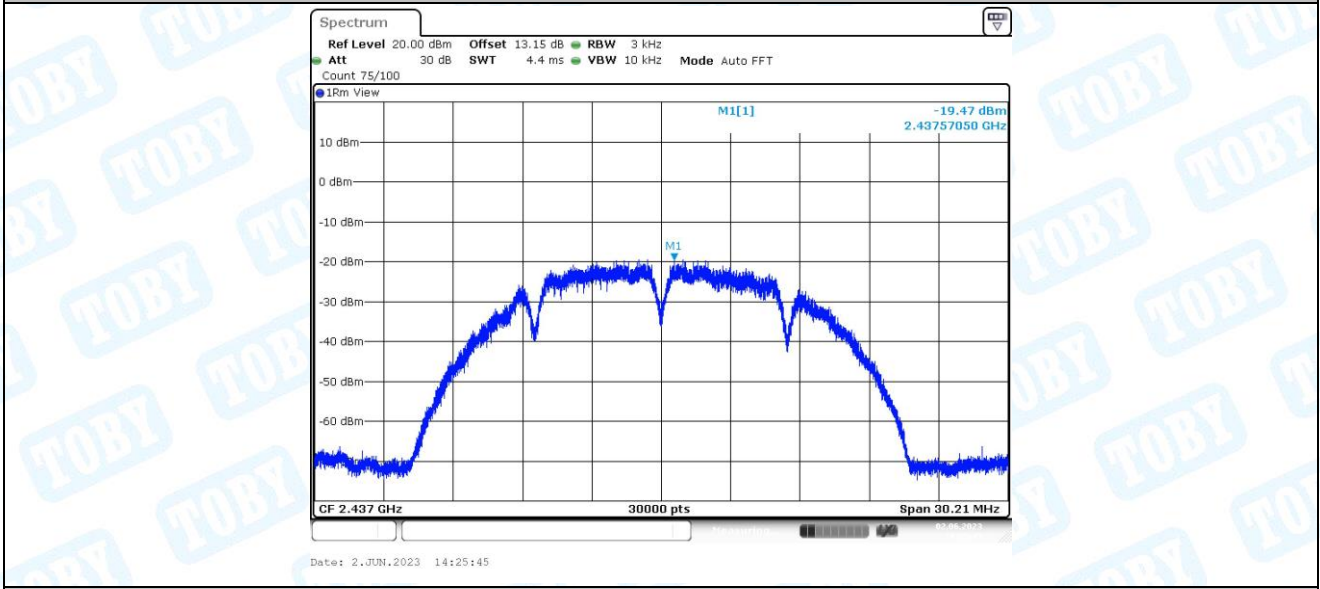
4.2. Test Graphs



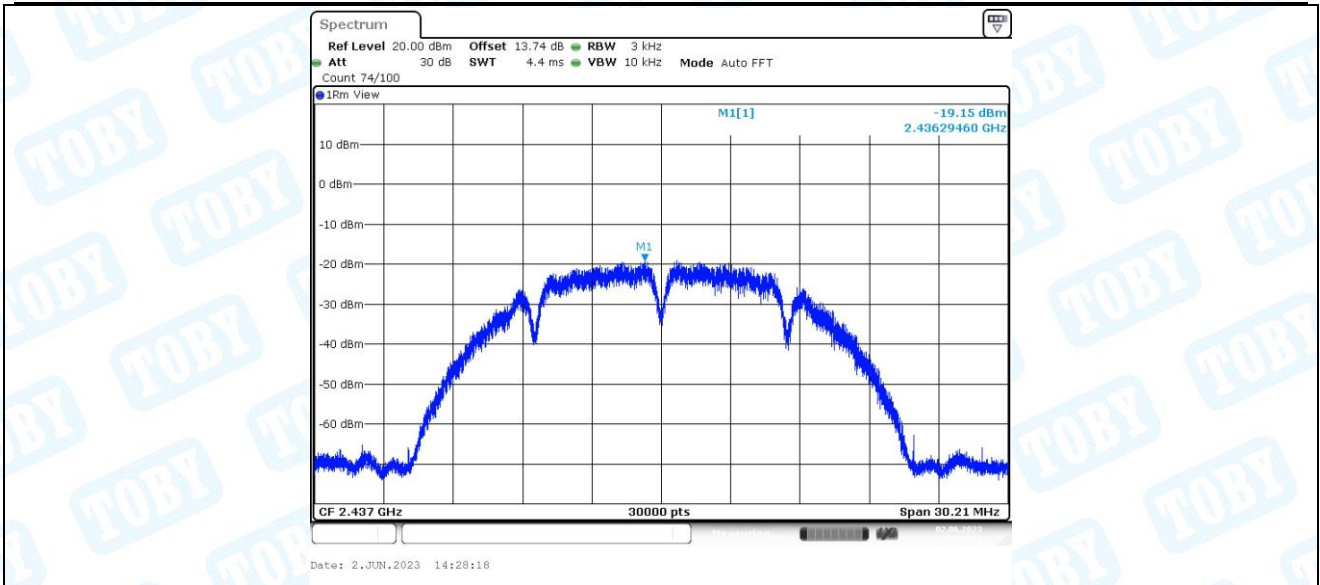
11B-CDD_Ant1_2412



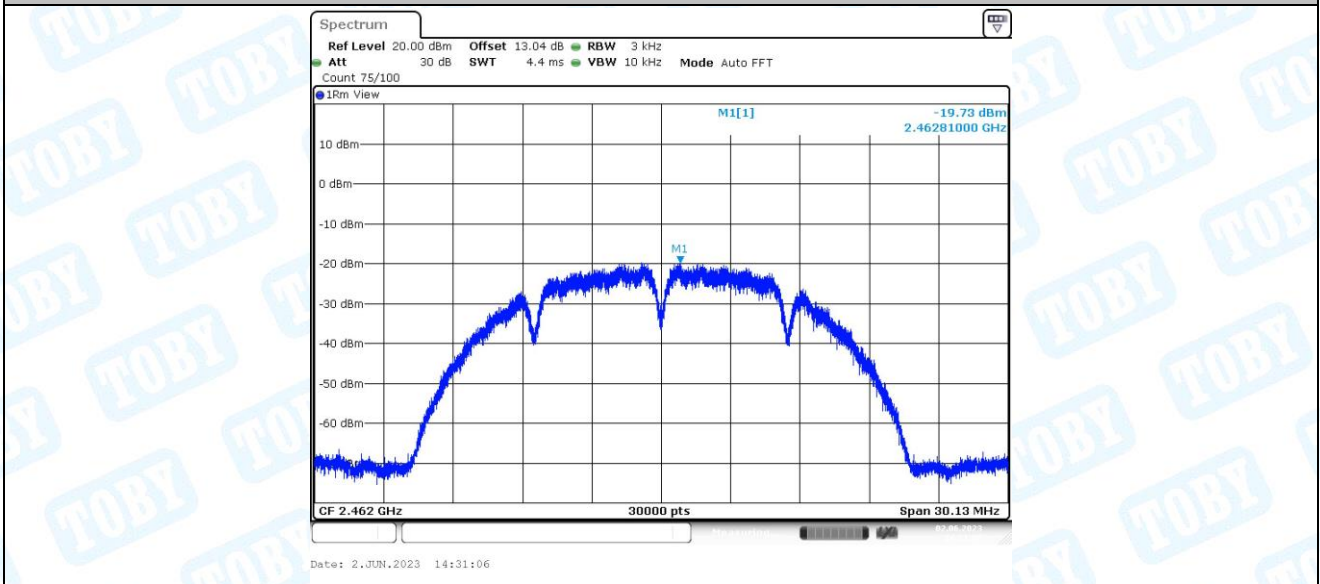
11B-CDD_Ant2_2412



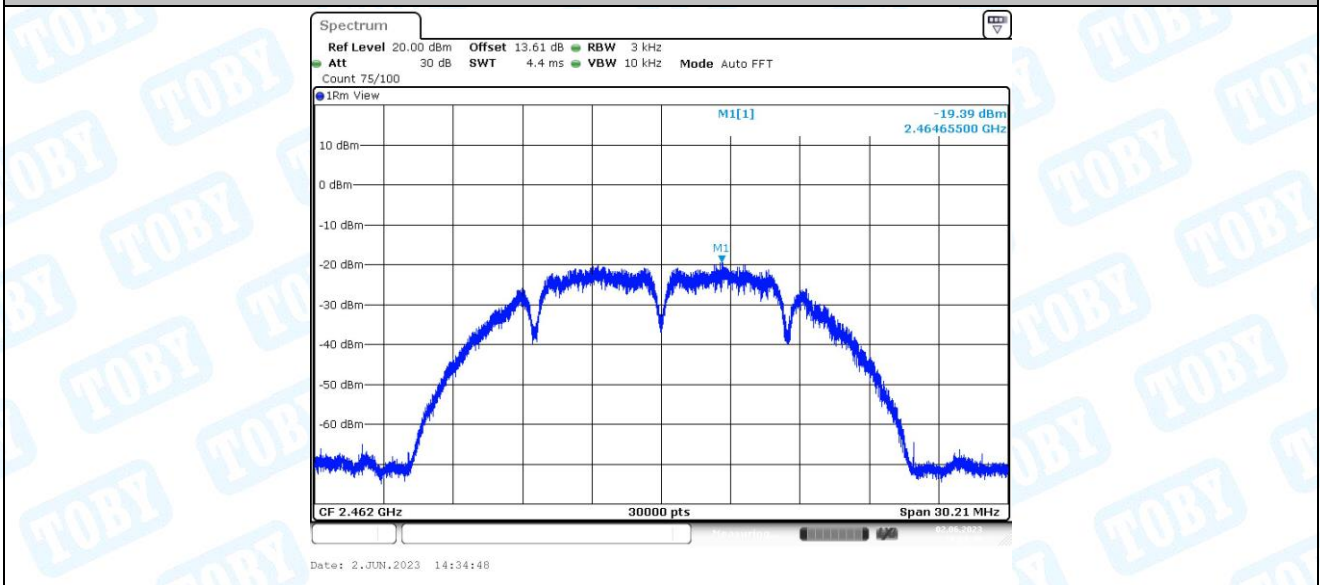
11B-CDD_Ant1_2437



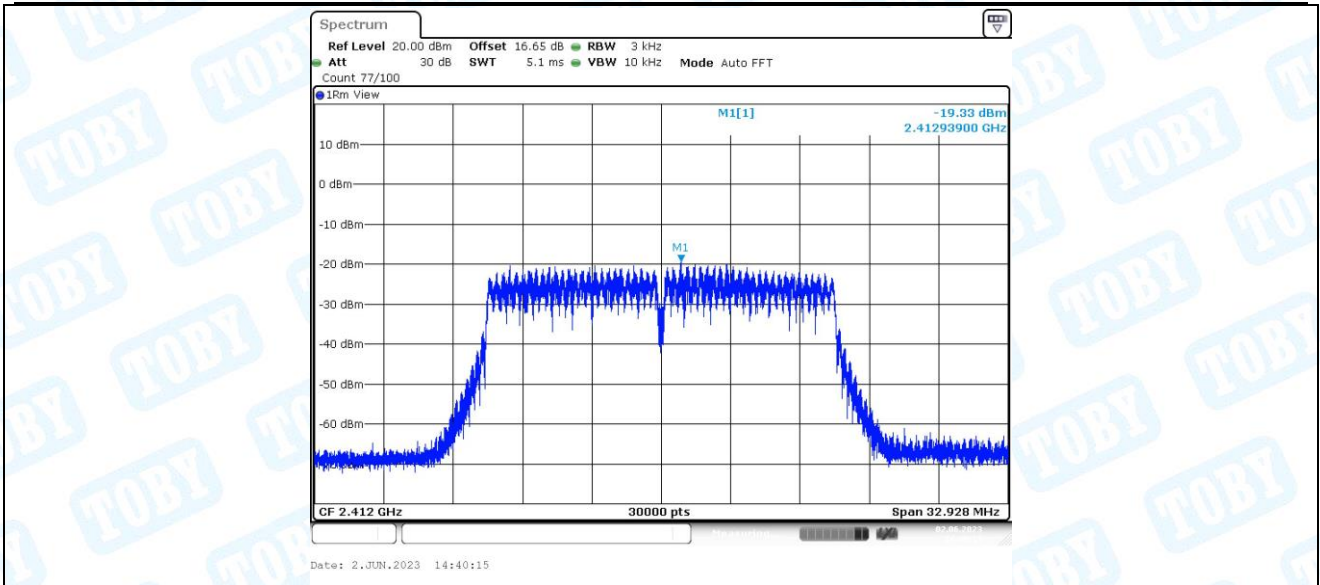
11B-CDD_Ant2_2437



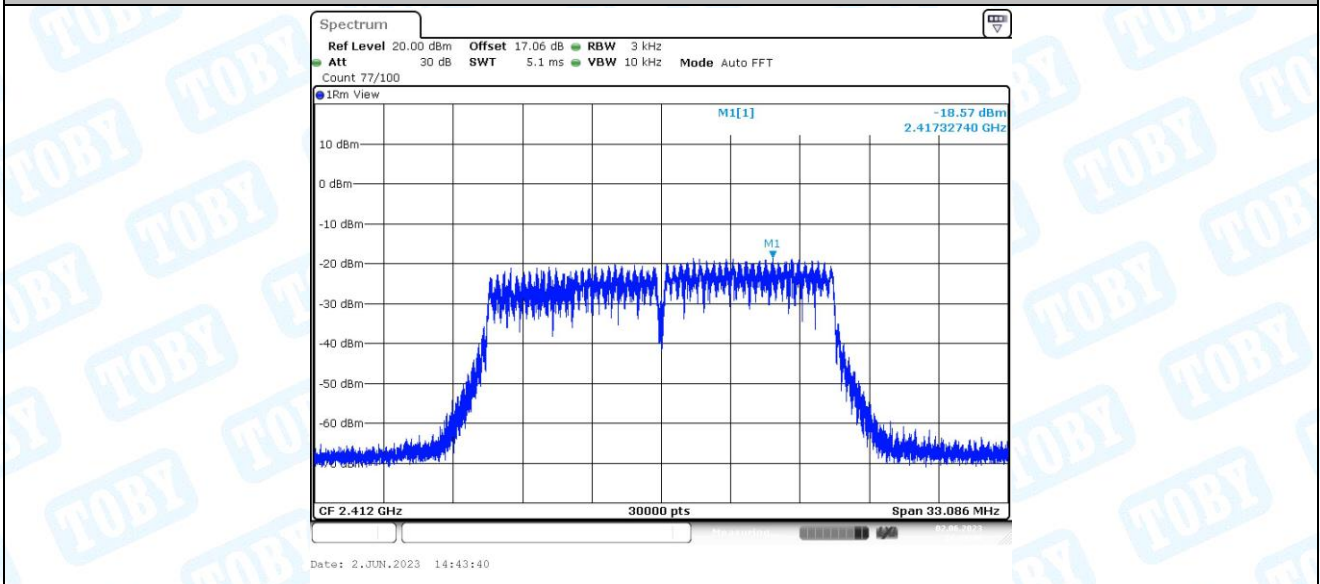
11B-CDD_Ant1_2462



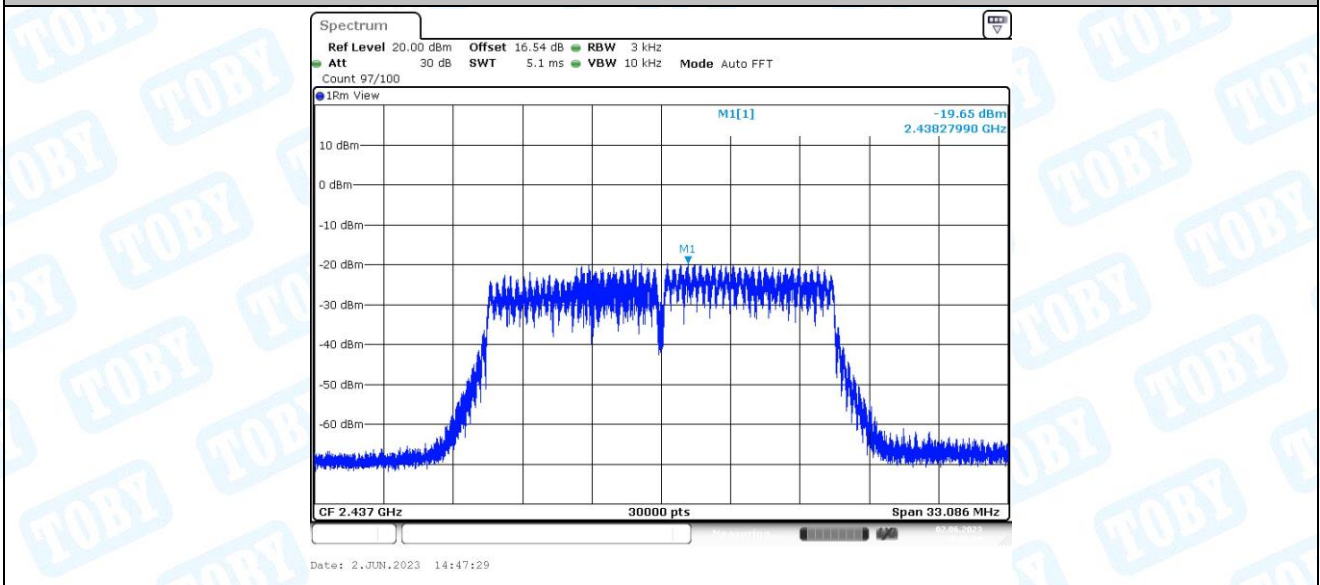
11B-CDD_Ant2_2462



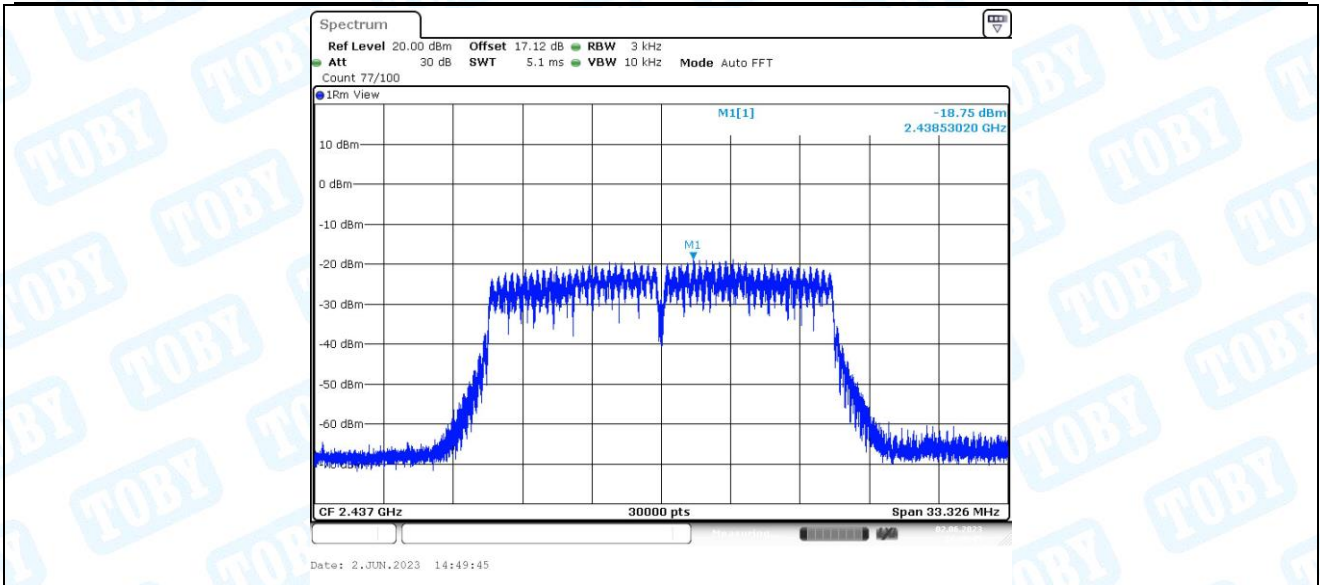
11G-CDD_Ant1_2412



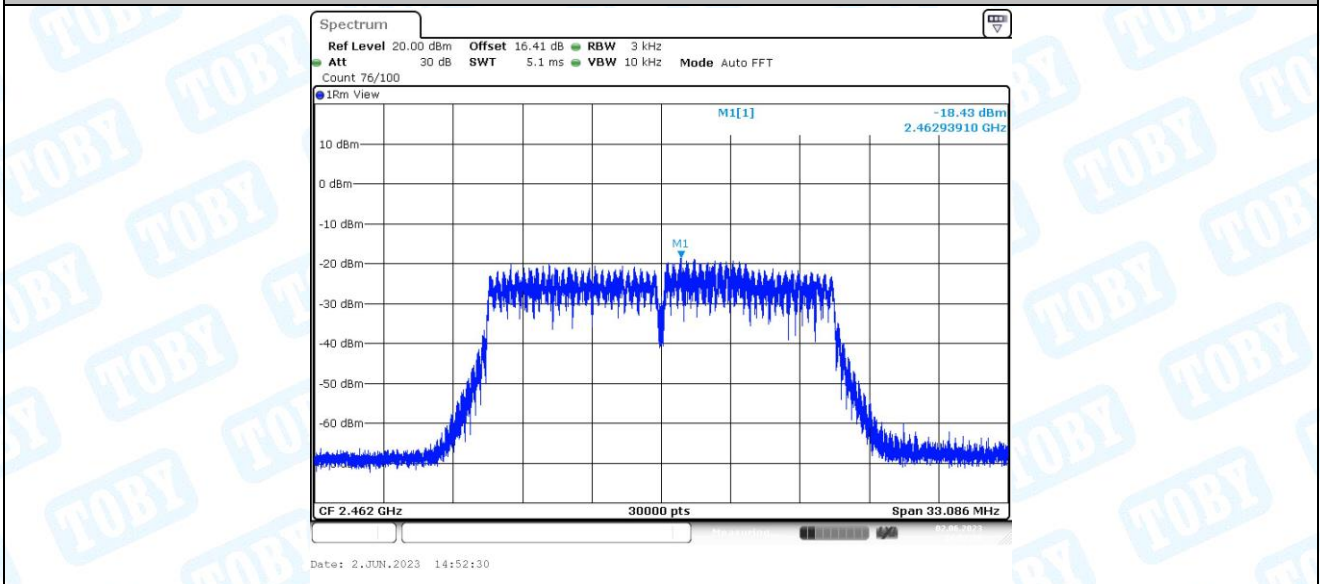
11G-CDD_Ant2_2412



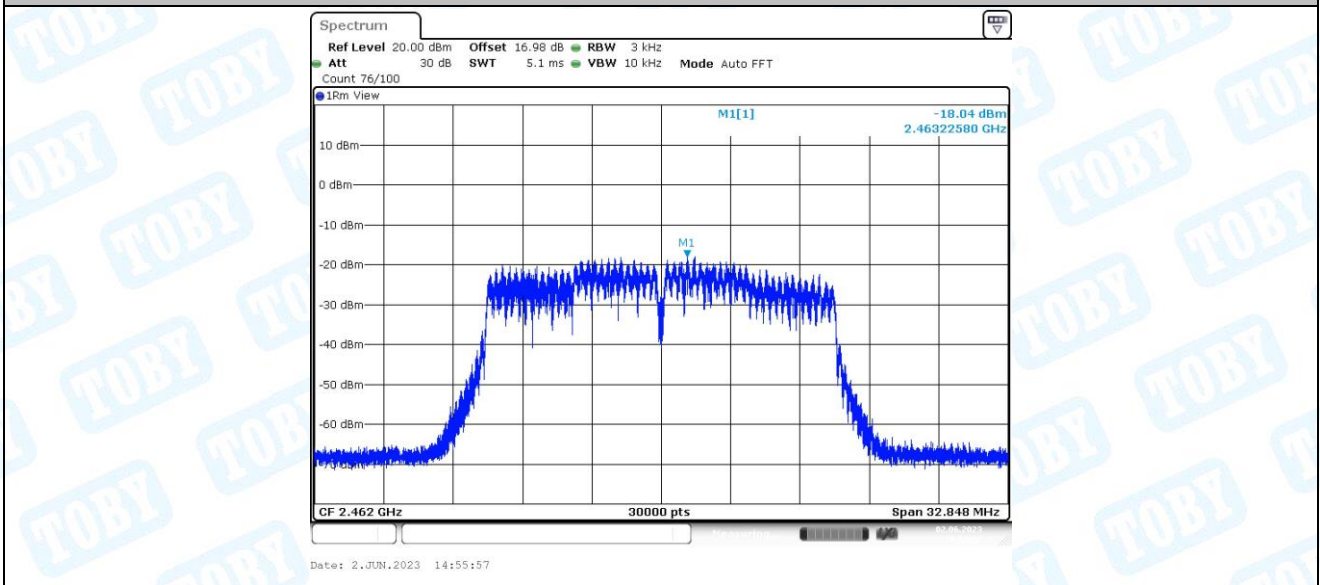
11G-CDD_Ant1_2437



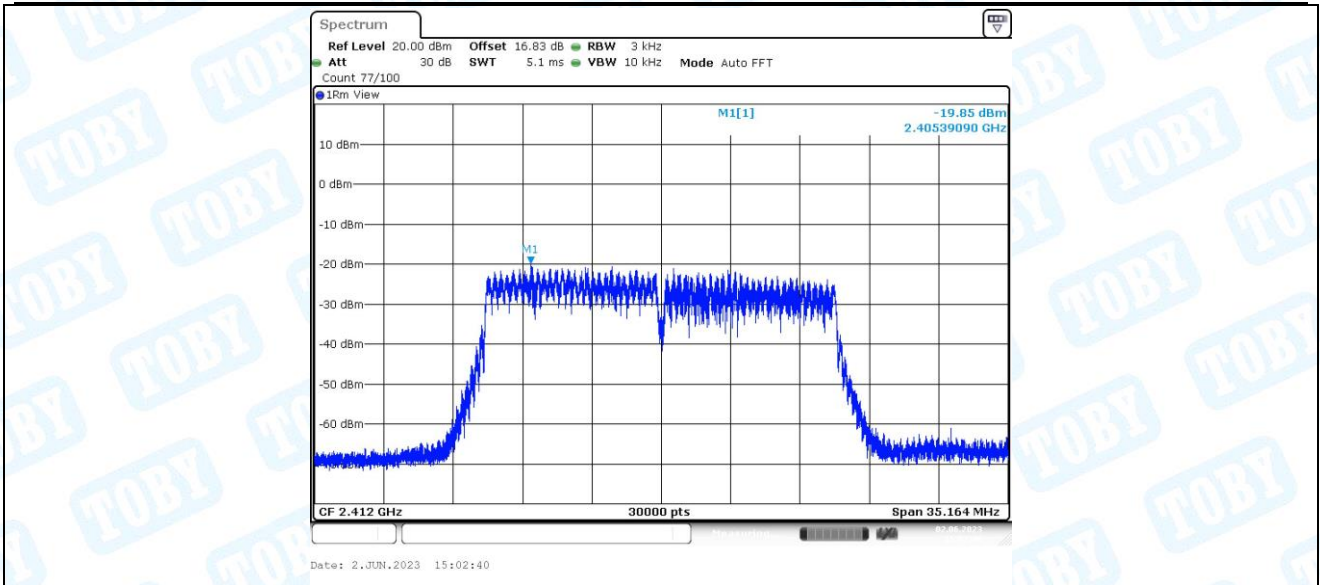
11G-CDD_Ant2_2437



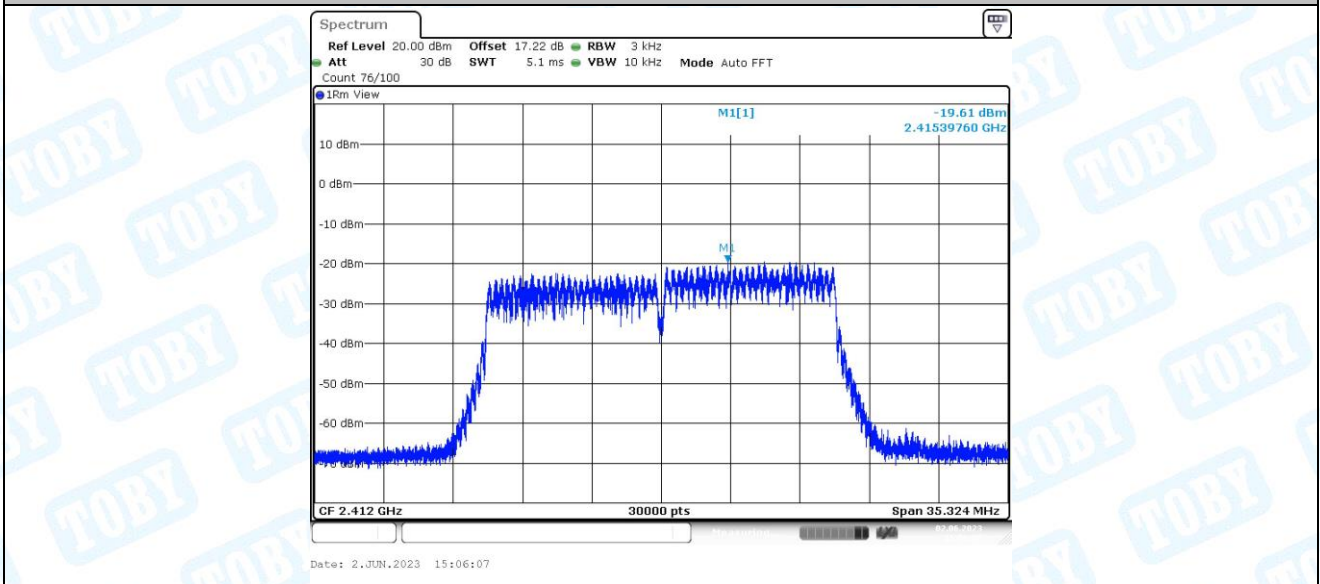
11G-CDD_Ant1_2462



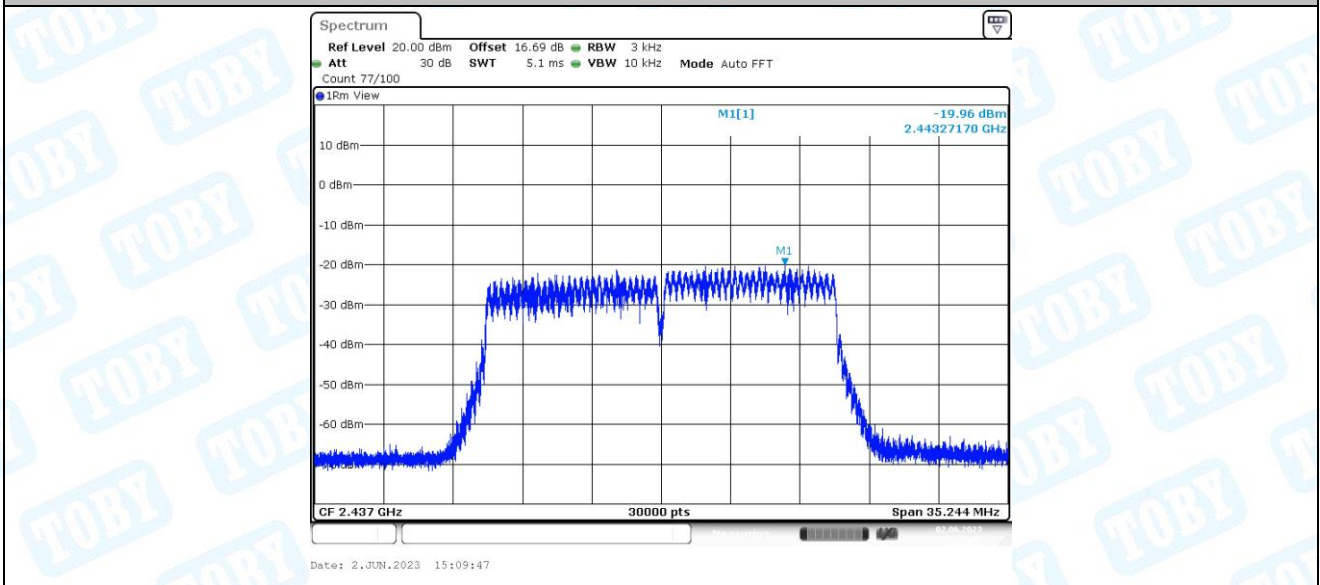
11G-CDD_Ant2_2462



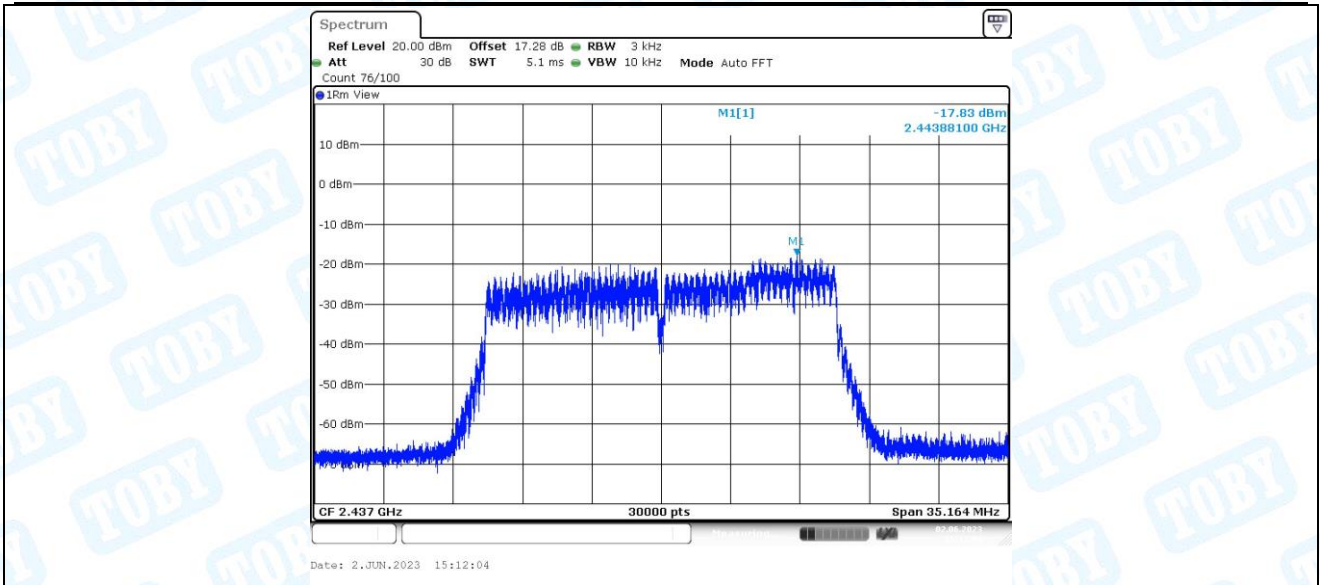
11N20MIMO_Ant1_2412



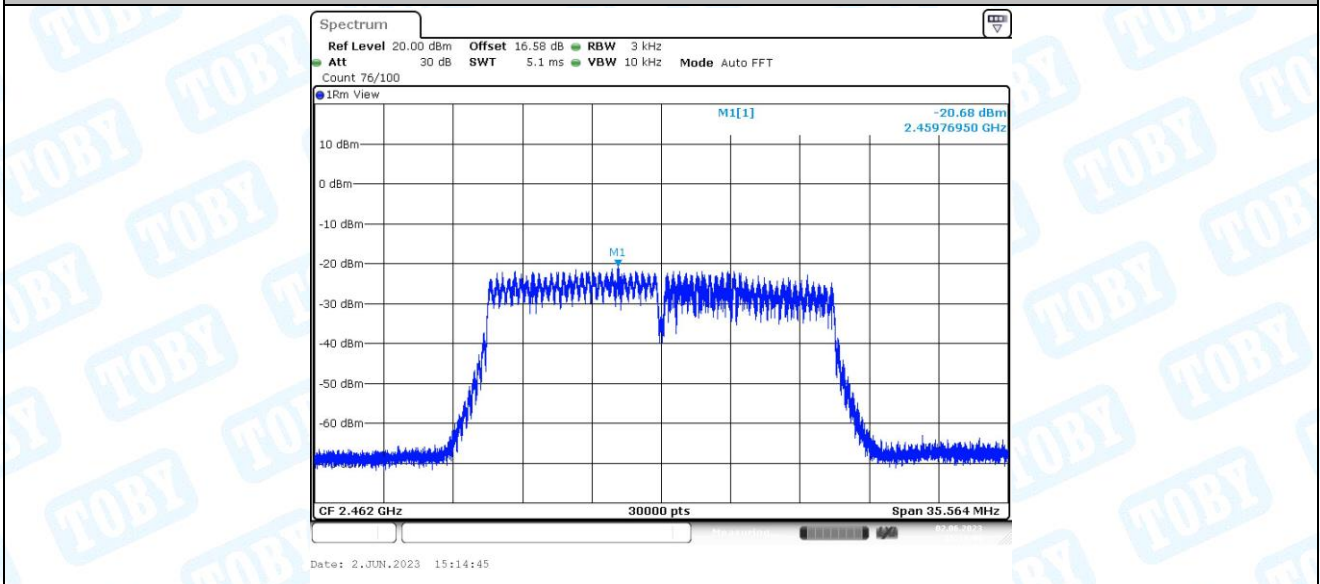
11N20MIMO_Ant2_2412



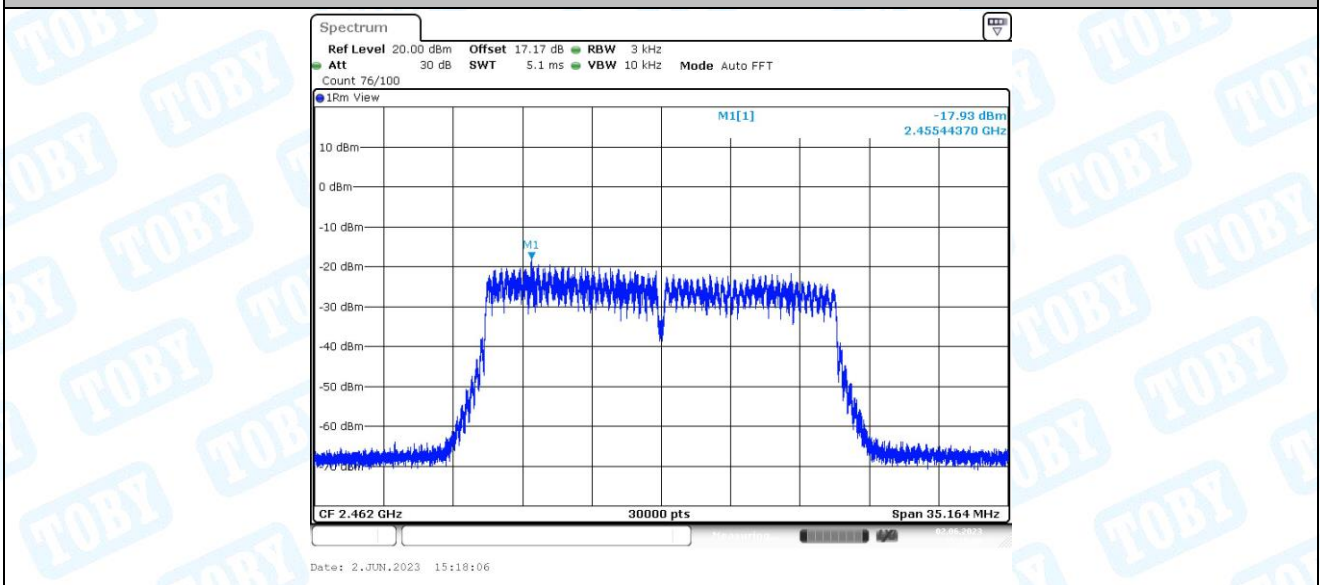
11N20MIMO_Ant1_2437



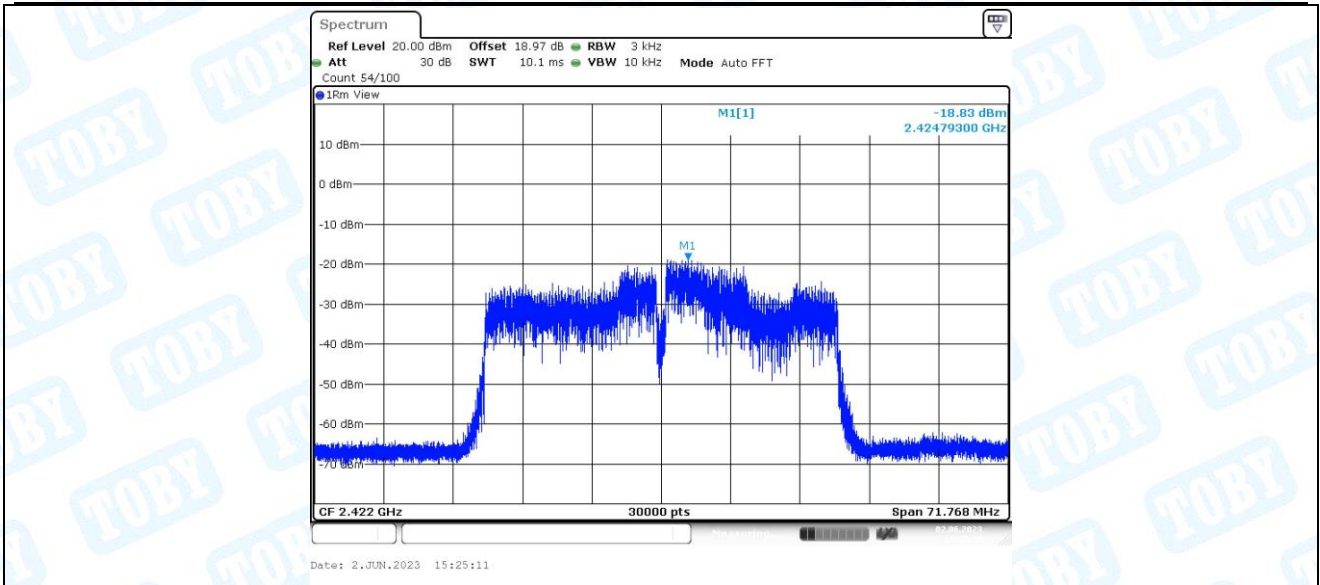
11N20MIMO_Ant2_2437



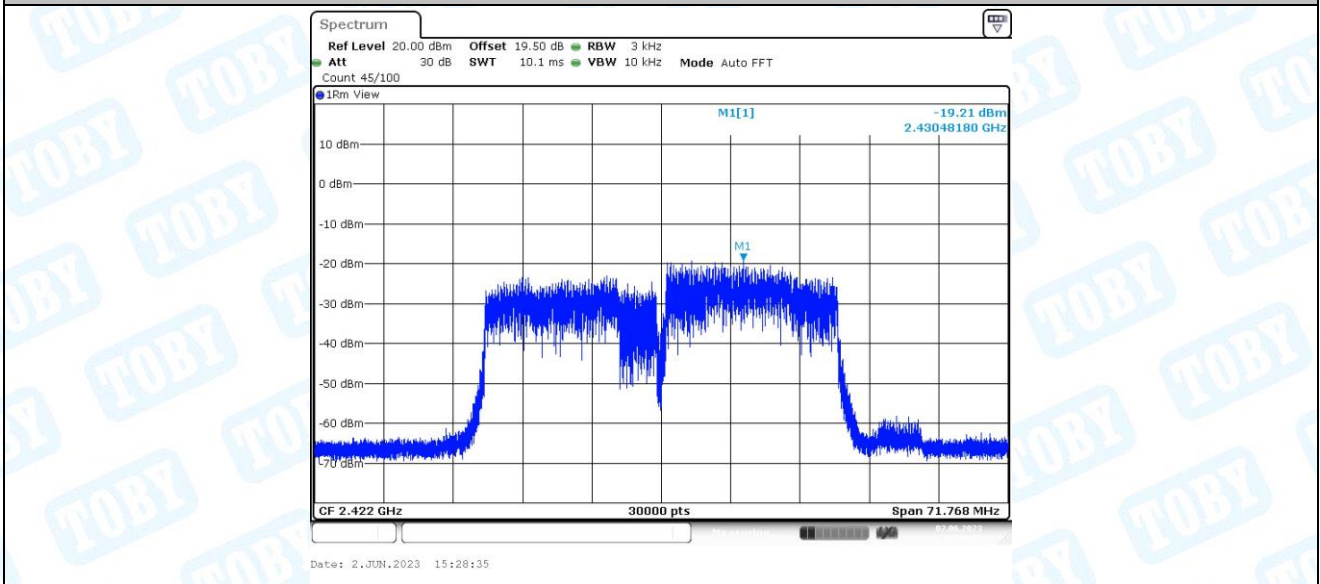
11N20MIMO_Ant1_2462



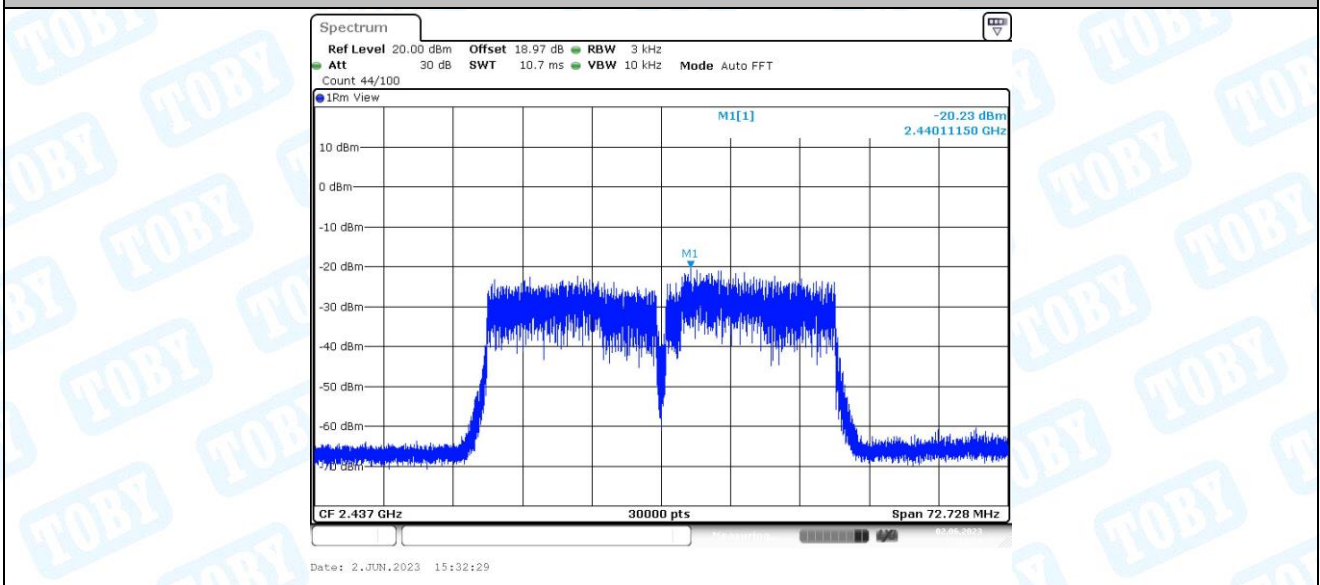
11N20MIMO_Ant2_2462



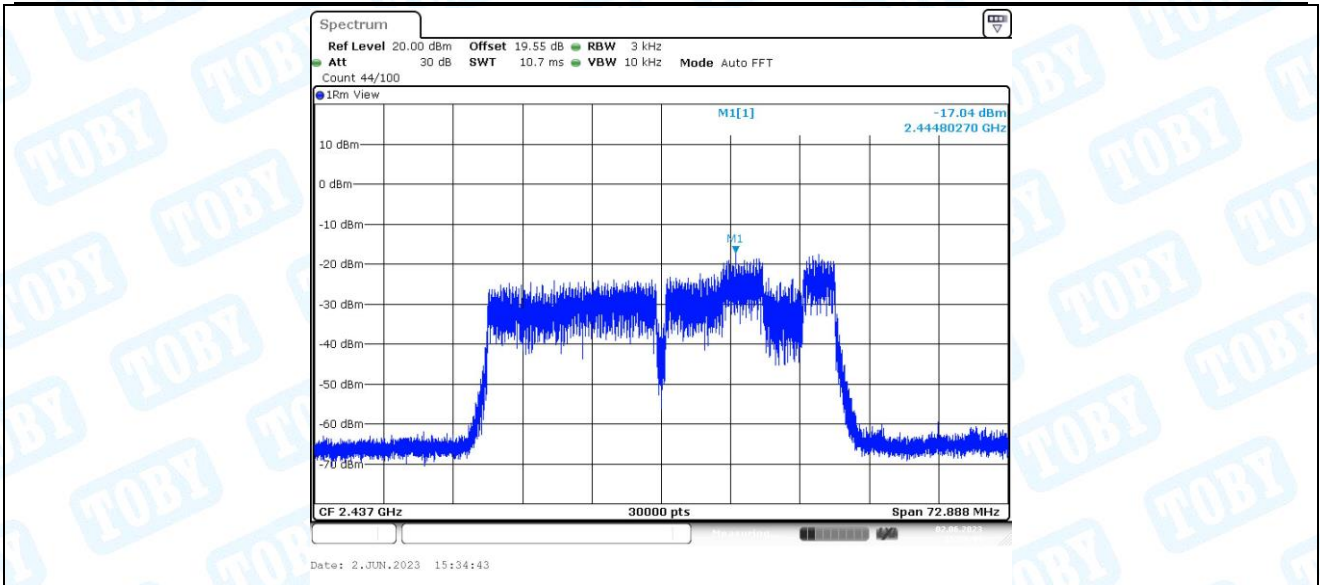
11N40MIMO_Ant1_2422



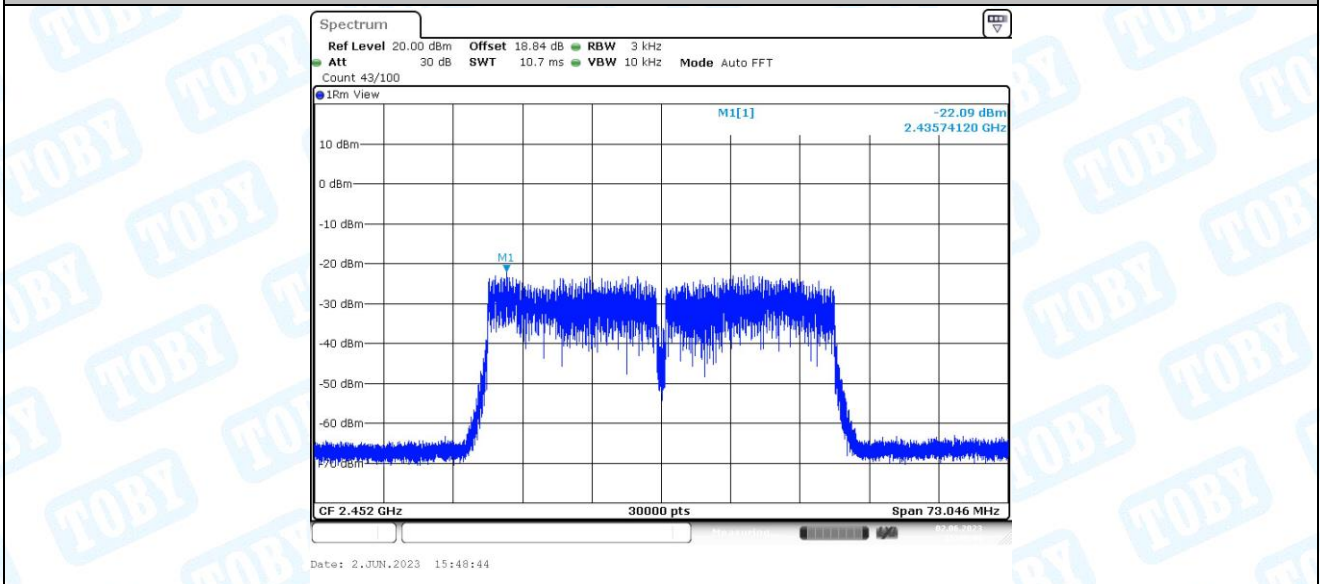
11N40MIMO_Ant2_2422



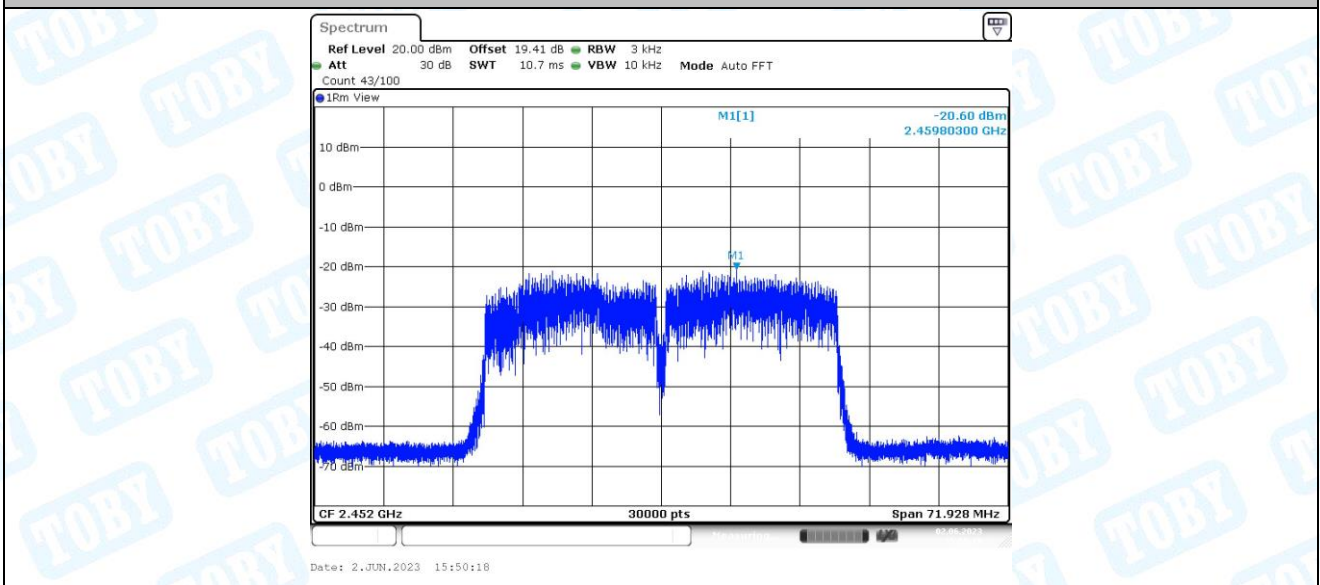
11N40MIMO_Ant1_2437



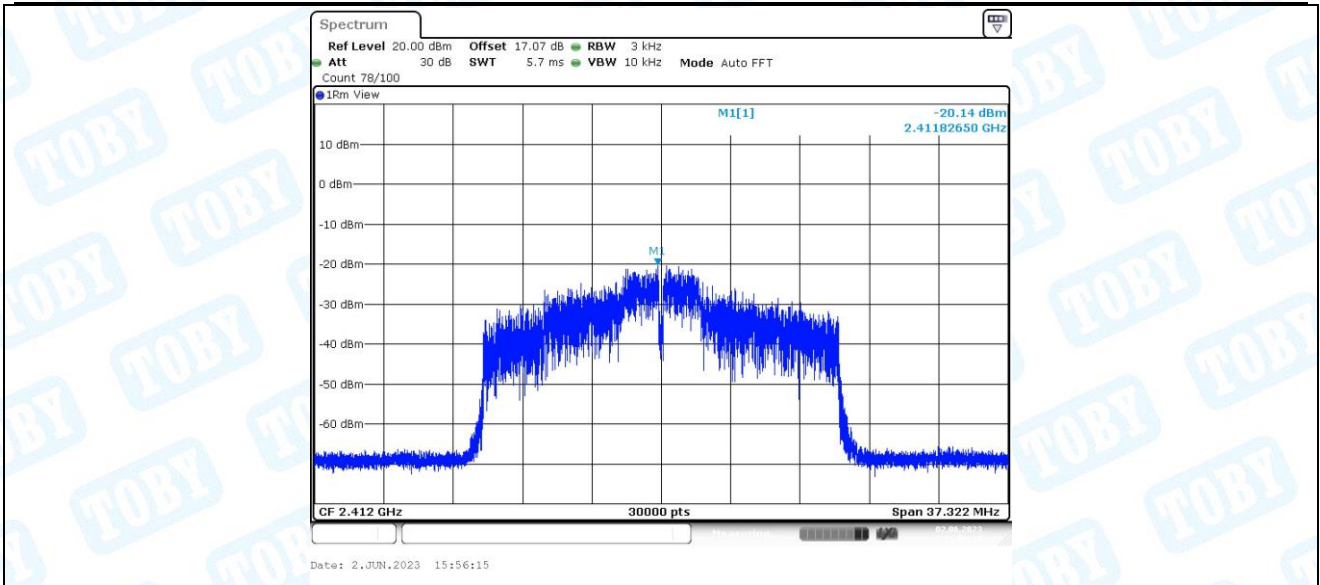
11N40MIMO_Ant2_2437



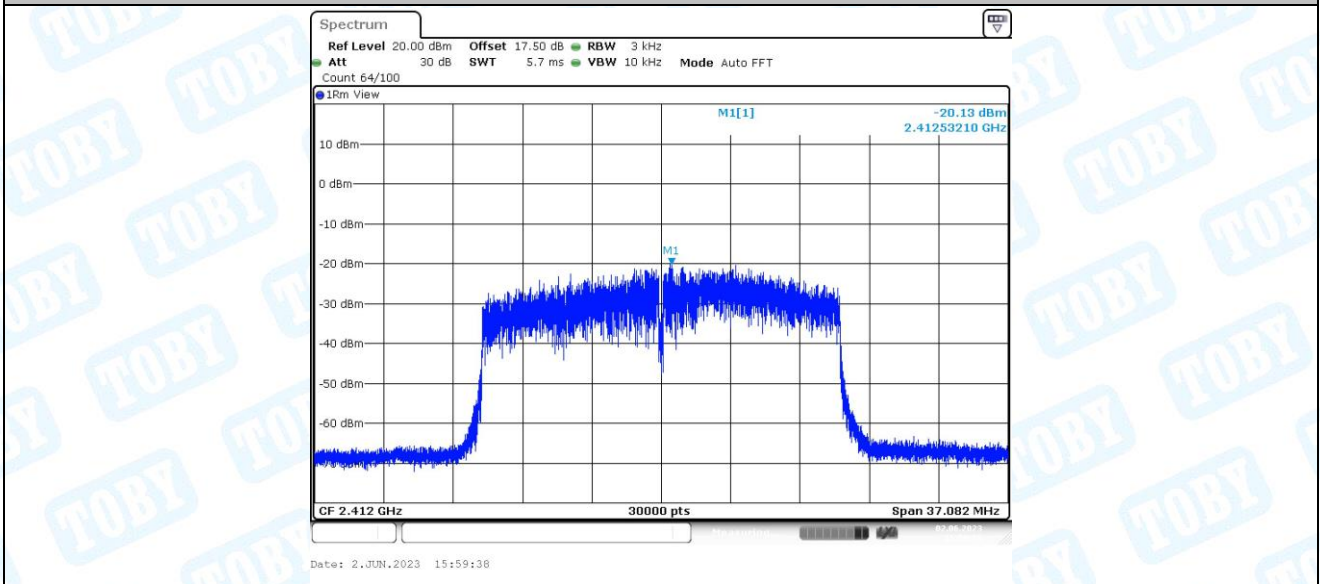
11N40MIMO_Ant1_2452



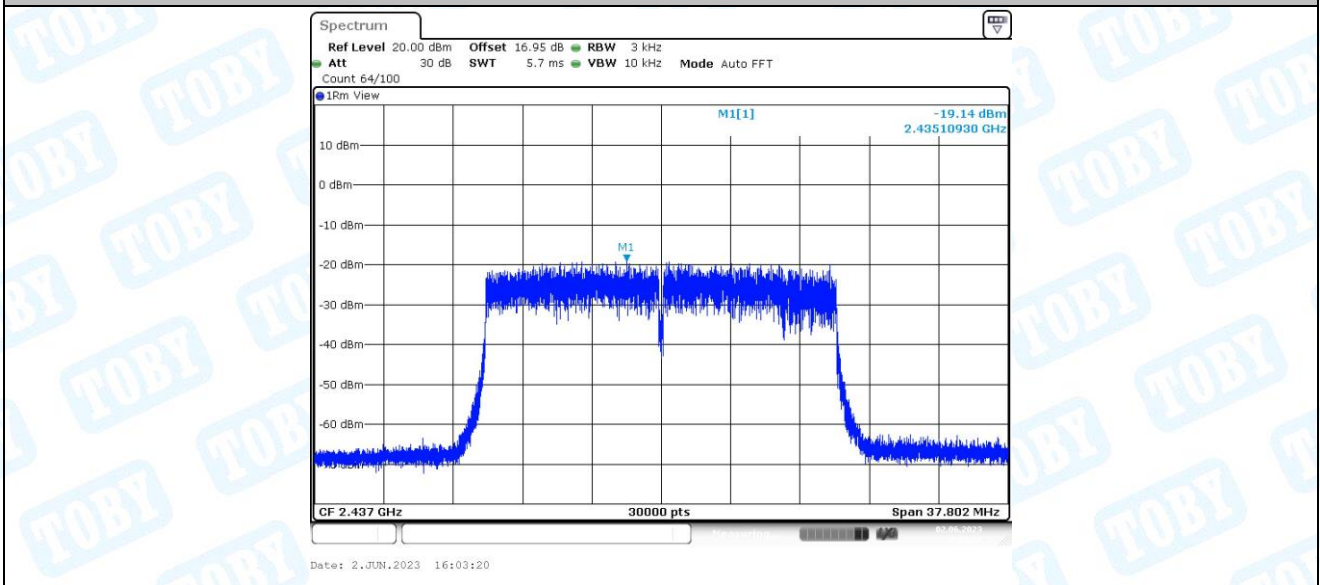
11N40MIMO_Ant2_2452



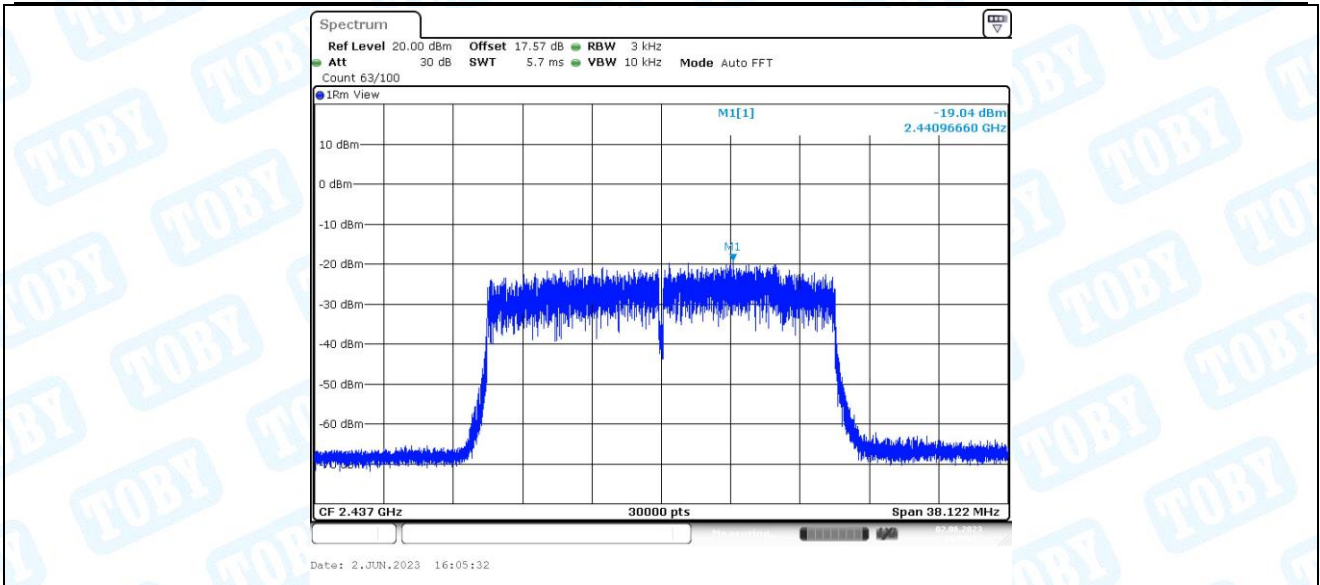
11AX20MIMO_Ant1_2412



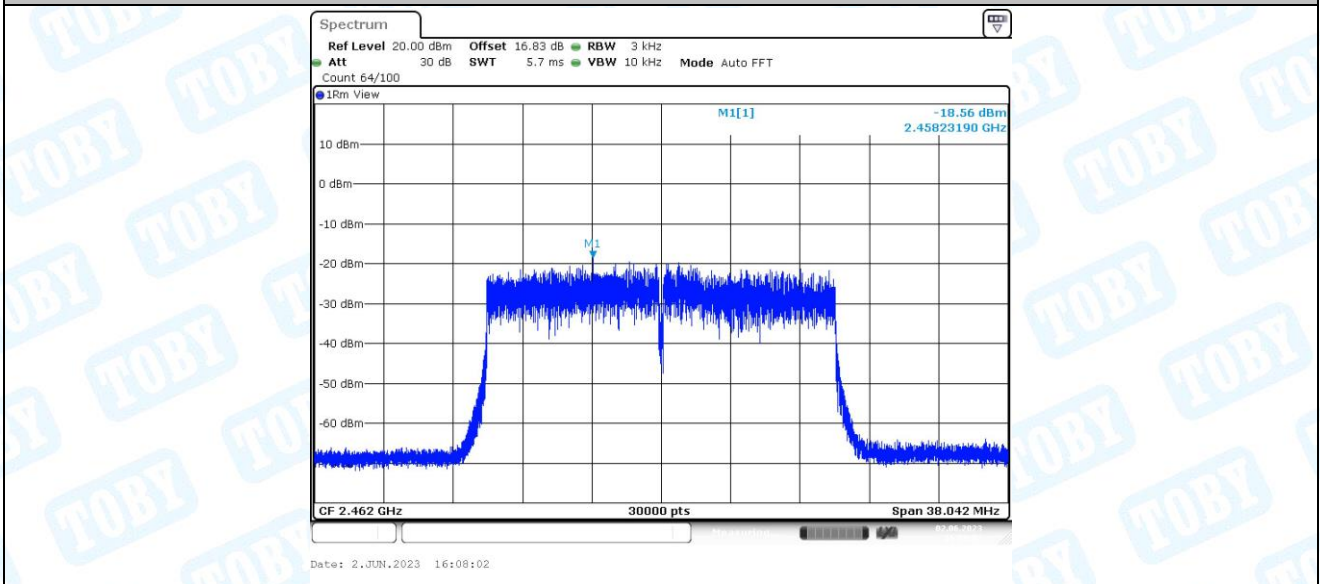
11AX20MIMO_Ant2_2412



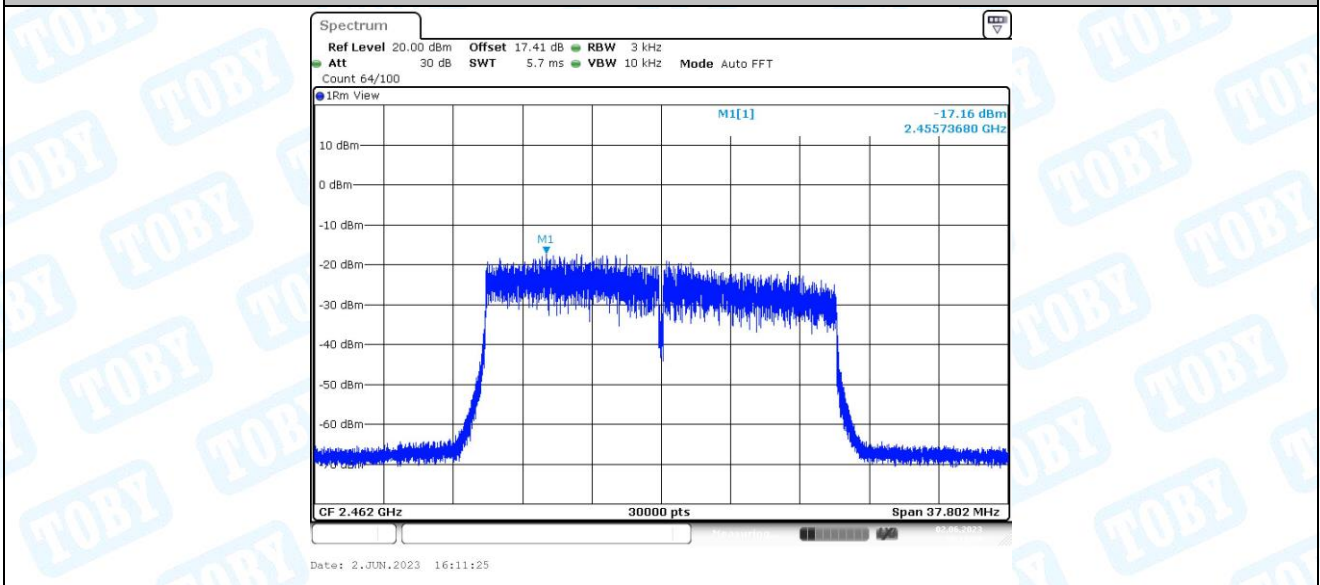
11AX20MIMO_Ant1_2437



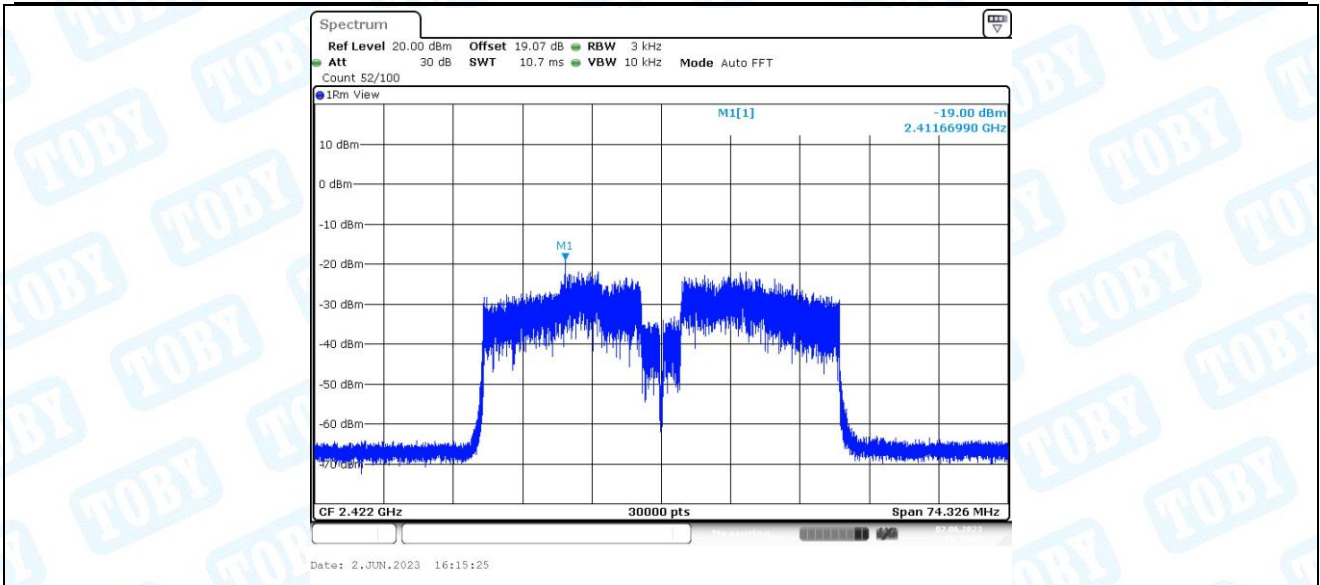
11AX20MIMO_Ant2_2437



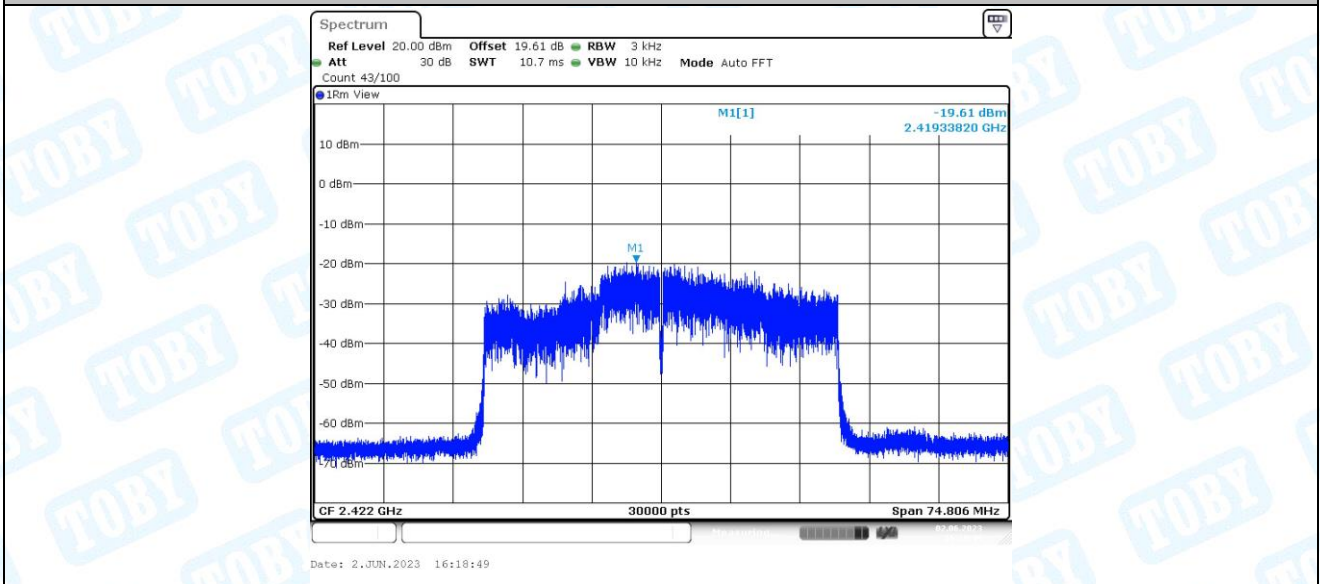
11AX20MIMO_Ant1_2462



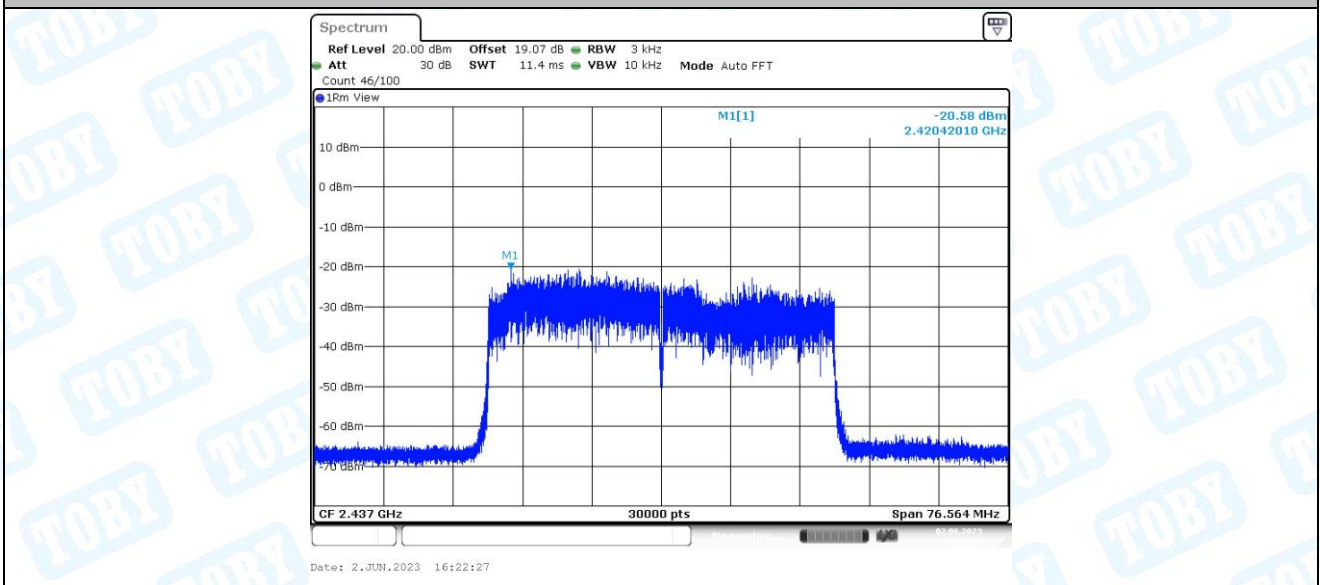
11AX20MIMO_Ant2_2462



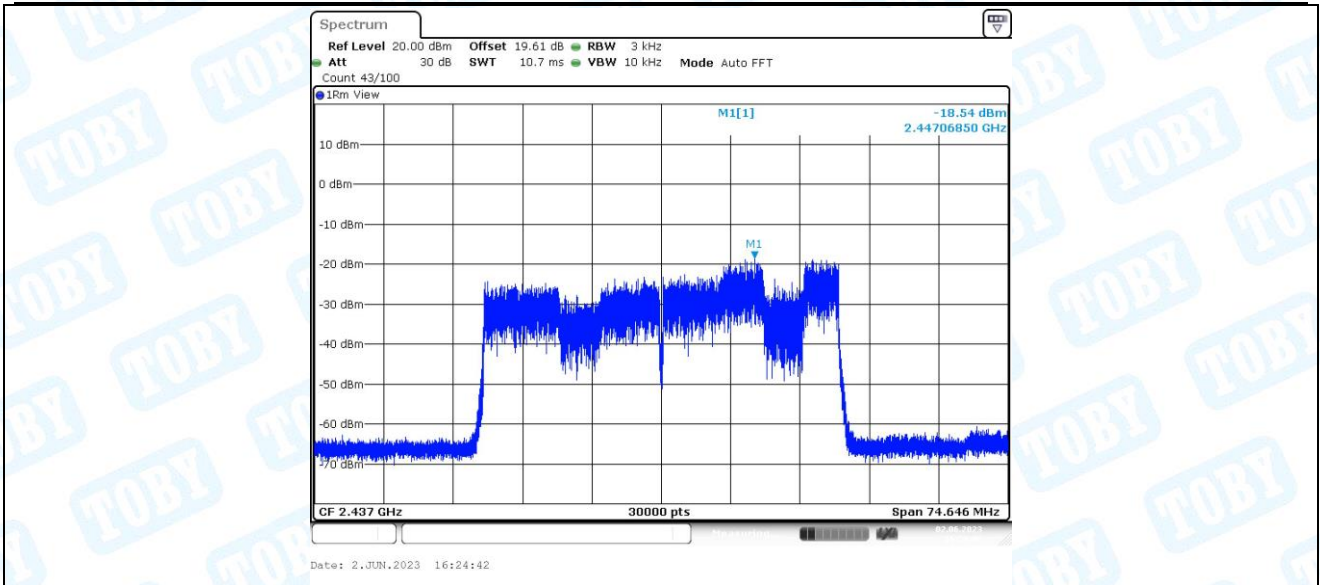
11AX40MIMO_Ant1_2422



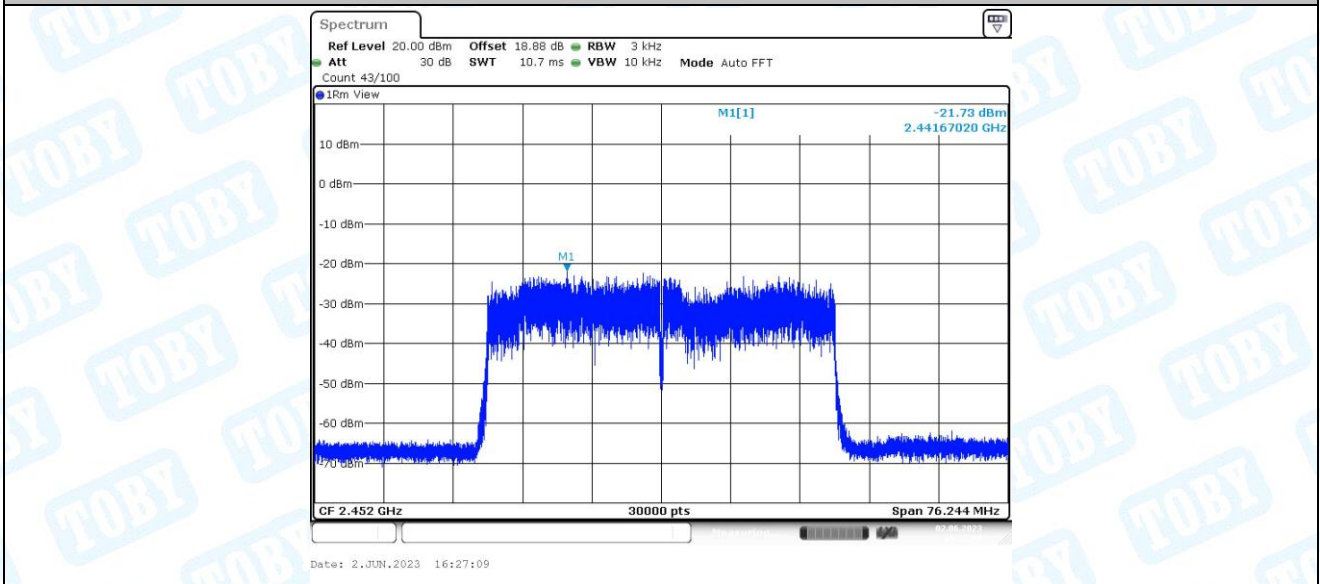
11AX40MIMO_Ant2_2422



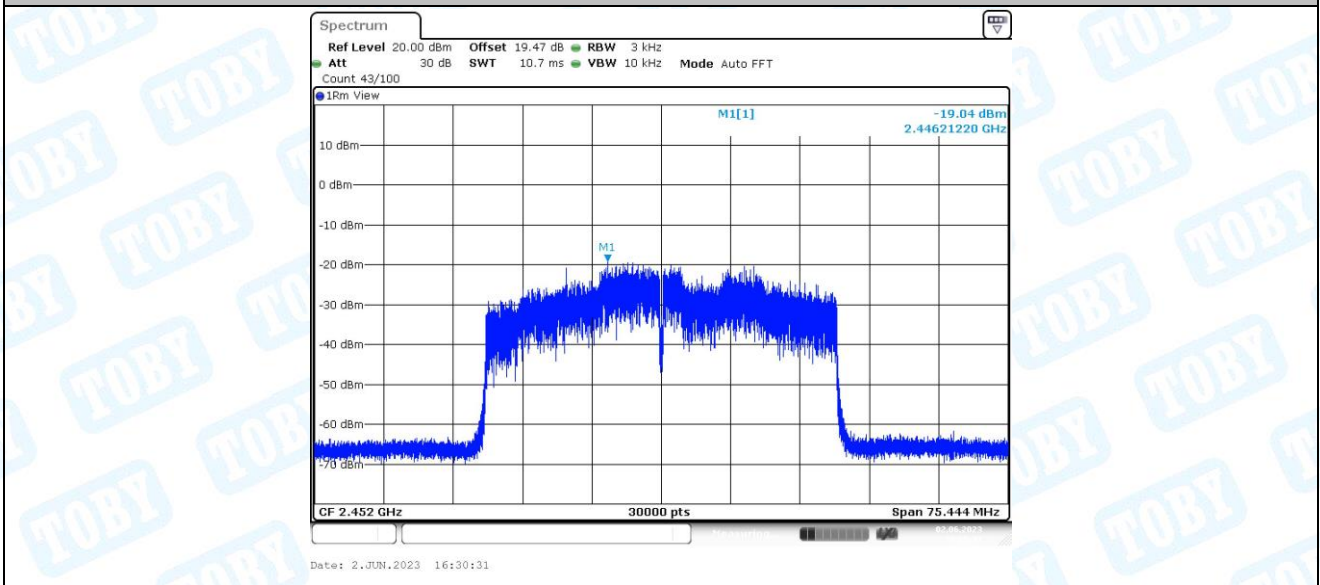
11AX40MIMO_Ant1_2437



11AX40MIMO_Ant2_2437



11AX40MIMO_Ant1_2452



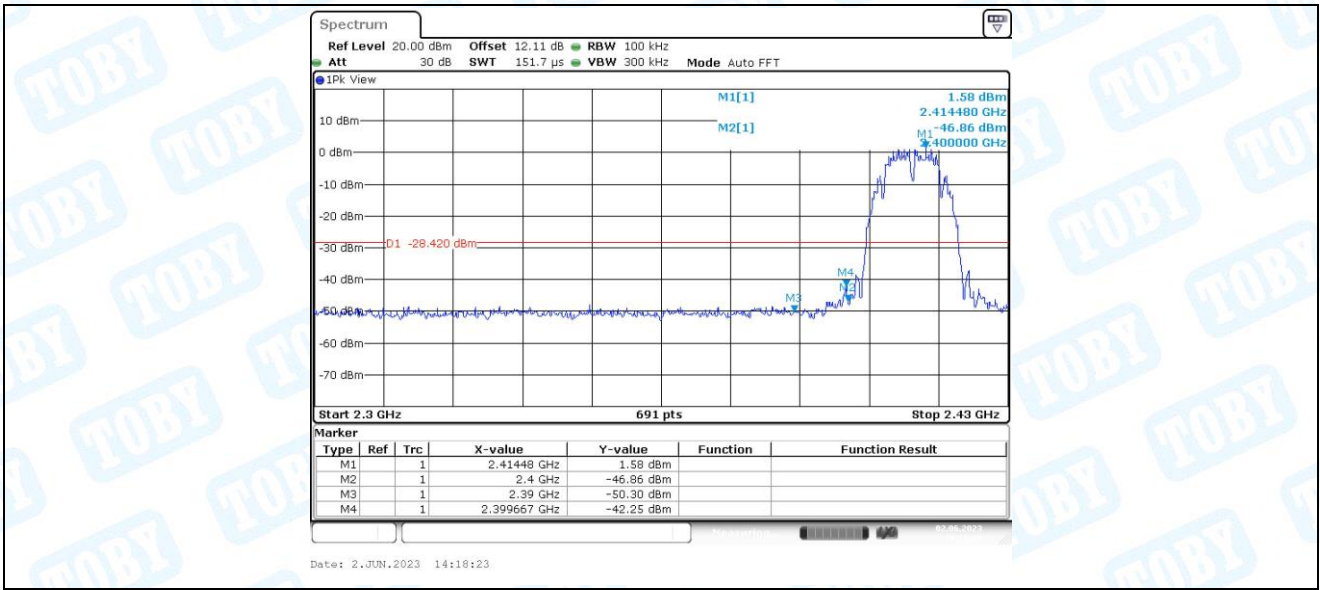
11AX40MIMO_Ant2_2452

5. Band edge measurements

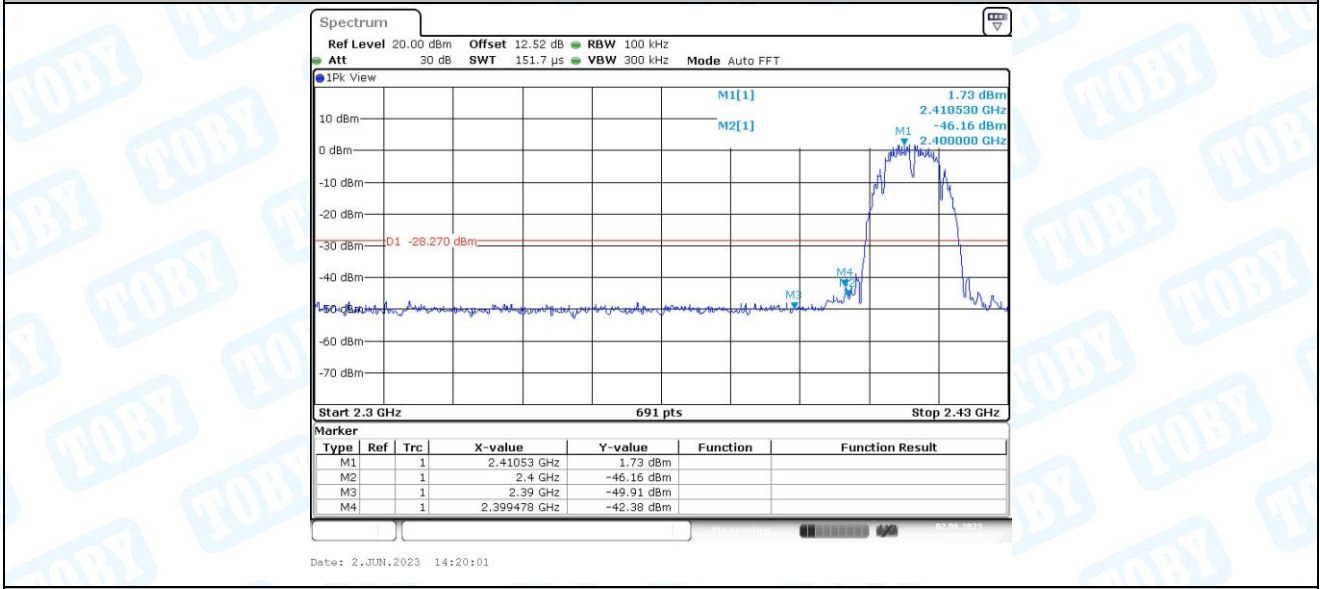
5.1. Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B-CDD	Ant1	Low	2412	1.58	-42.25	≤-28.42	PASS
	Ant2	Low	2412	1.73	-42.38	≤-28.27	PASS
	Ant1	High	2462	1.49	-47.23	≤-28.51	PASS
	Ant2	High	2462	0.87	-45.53	≤-29.13	PASS
11G-CDD	Ant1	Low	2412	0.00	-47.38	≤-30	PASS
	Ant2	Low	2412	-1.54	-46.18	≤-31.54	PASS
	Ant1	High	2462	-2.52	-46.24	≤-32.52	PASS
	Ant2	High	2462	-1.33	-45.45	≤-31.33	PASS
11N20MIMO	Ant1	Low	2412	-1.21	-46.21	≤-31.21	PASS
	Ant2	Low	2412	-1.91	-46.82	≤-31.91	PASS
	Ant1	High	2462	-0.01	-46.5	≤-30.01	PASS
	Ant2	High	2462	-0.89	-45.92	≤-30.89	PASS
11N40MIMO	Ant1	Low	2422	-3.29	-47.46	≤-33.29	PASS
	Ant2	Low	2422	-1.52	-45.3	≤-31.52	PASS
	Ant1	High	2452	-3.25	-41.06	≤-33.25	PASS
	Ant2	High	2452	-1.18	-45.74	≤-31.18	PASS
11AX20MIMO	Ant1	Low	2412	-1.25	-47.23	≤-31.25	PASS
	Ant2	Low	2412	-1.04	-46.91	≤-31.04	PASS
	Ant1	High	2462	-1.31	-45.55	≤-31.31	PASS
	Ant2	High	2462	-1.71	-44.88	≤-31.71	PASS
11AX40MIMO	Ant1	Low	2422	-2.91	-48.03	≤-32.91	PASS
	Ant2	Low	2422	-3.48	-44.55	≤-33.48	PASS
	Ant1	High	2452	-4.32	-43.72	≤-34.32	PASS
	Ant2	High	2452	-2.60	-46.47	≤-32.6	PASS

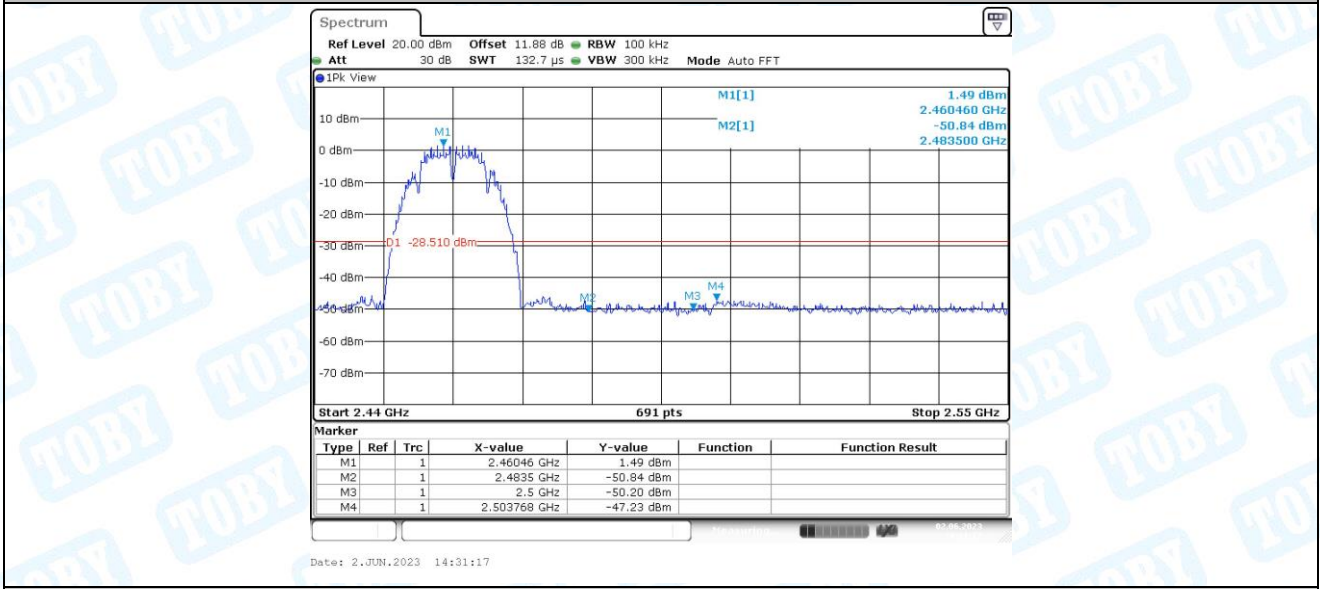
5.2. Test Graphs



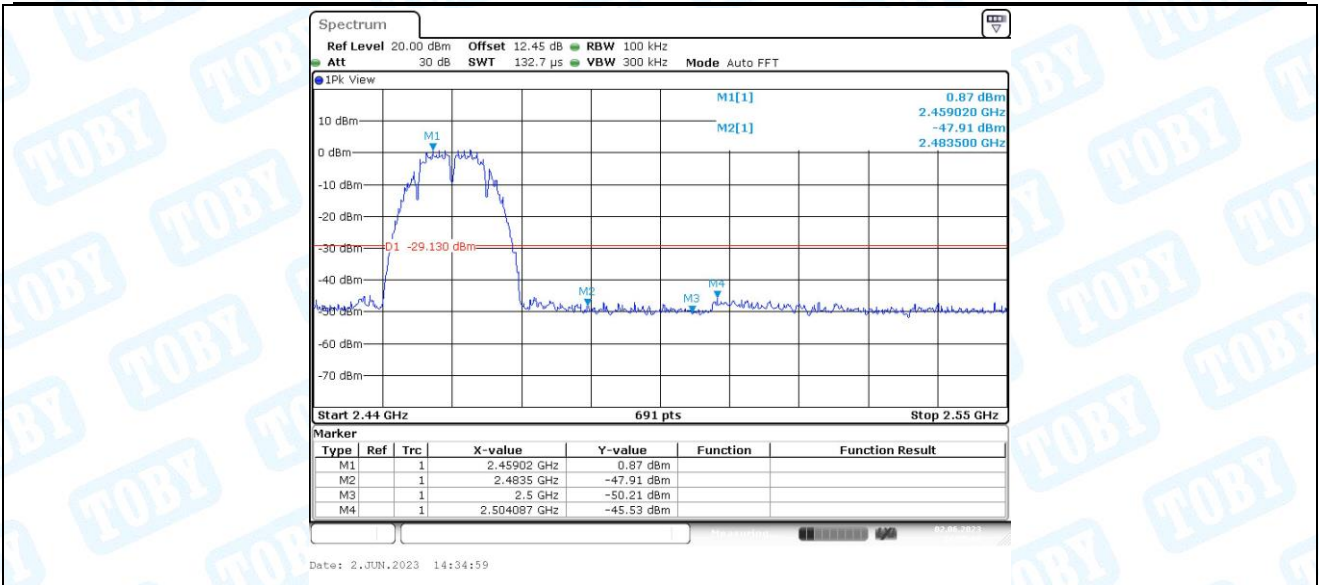
11B-CDD_Ant1_Low_2412



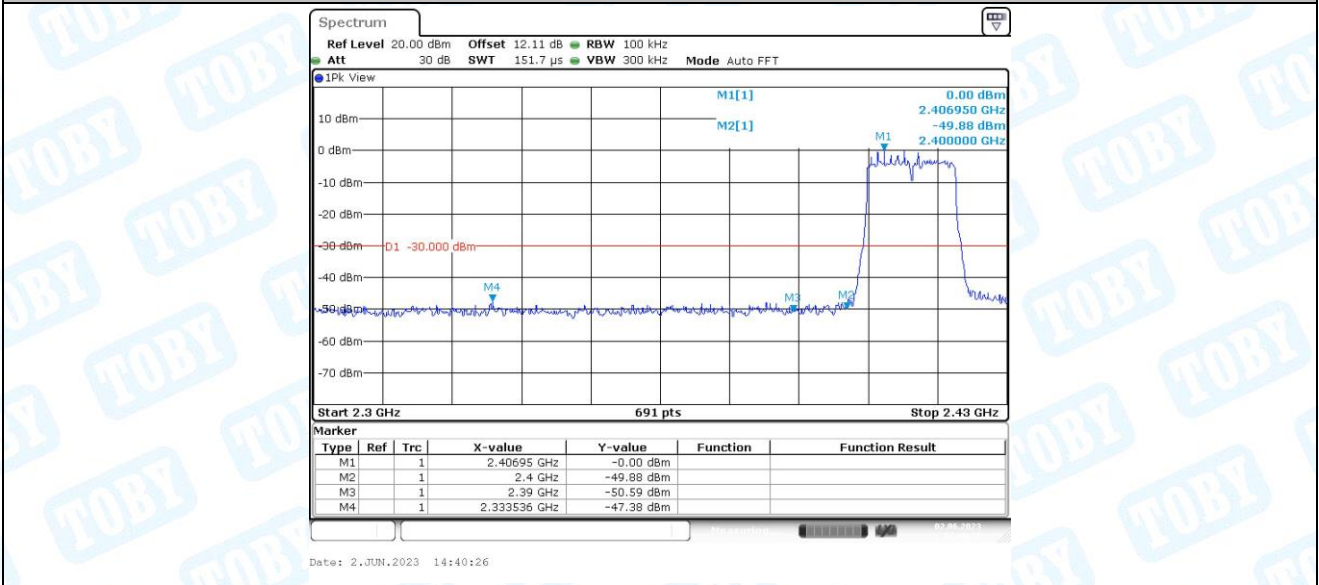
11B-CDD_Ant2_Low_2412



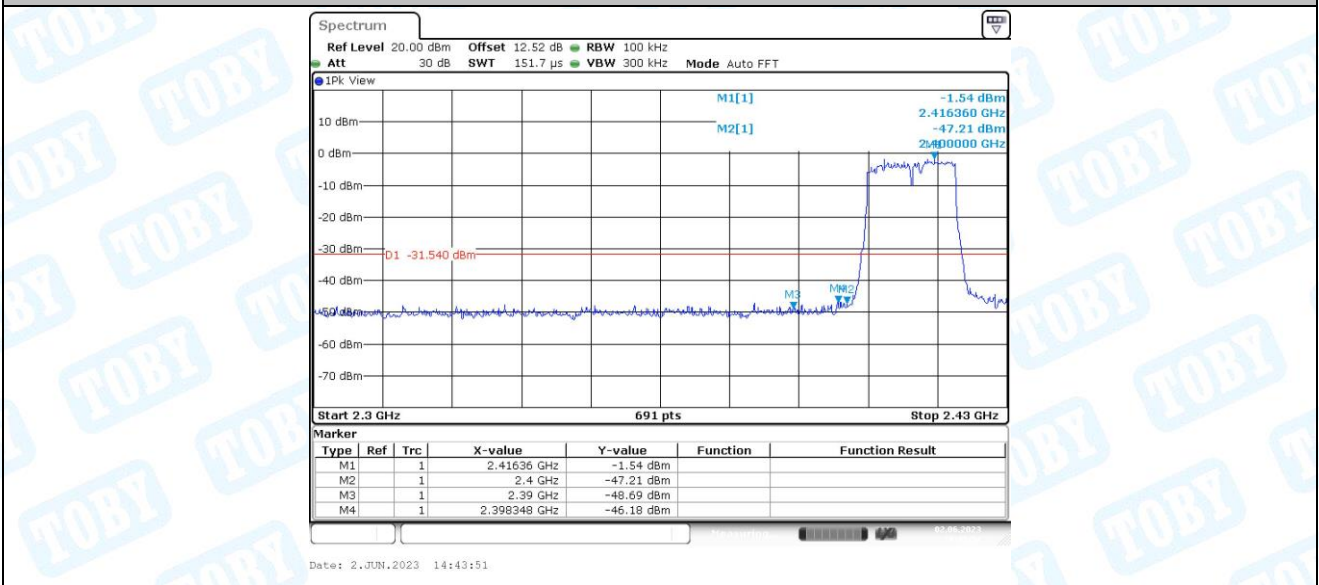
11B-CDD_Ant1_High_2462



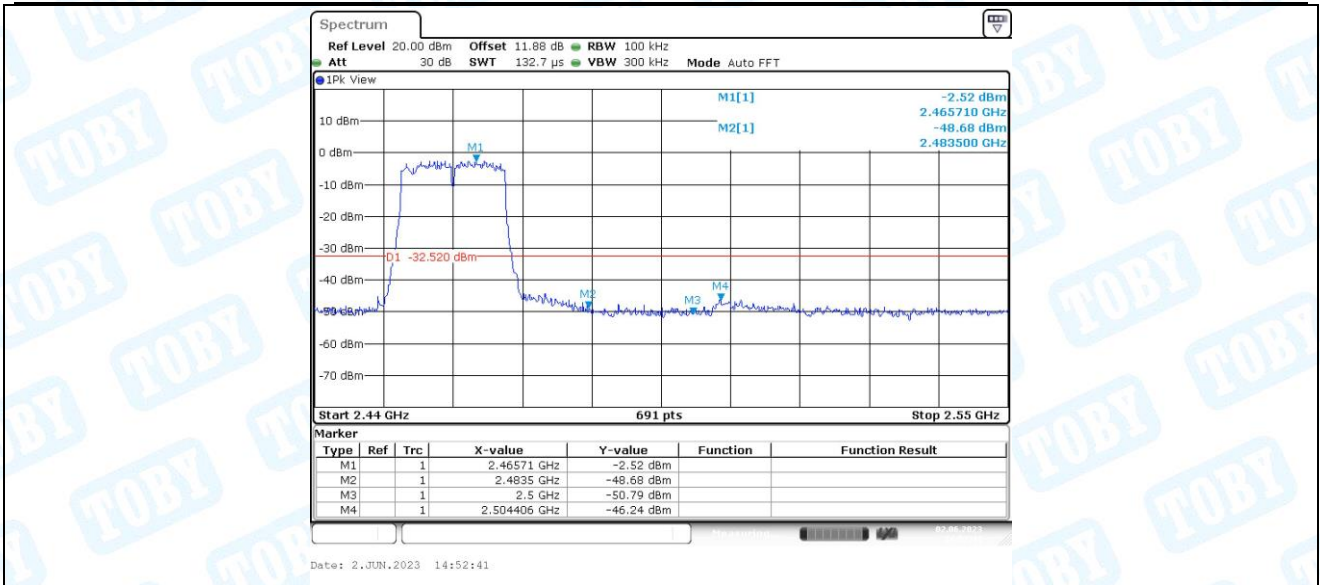
11B-CDD_Ant2_High_2462



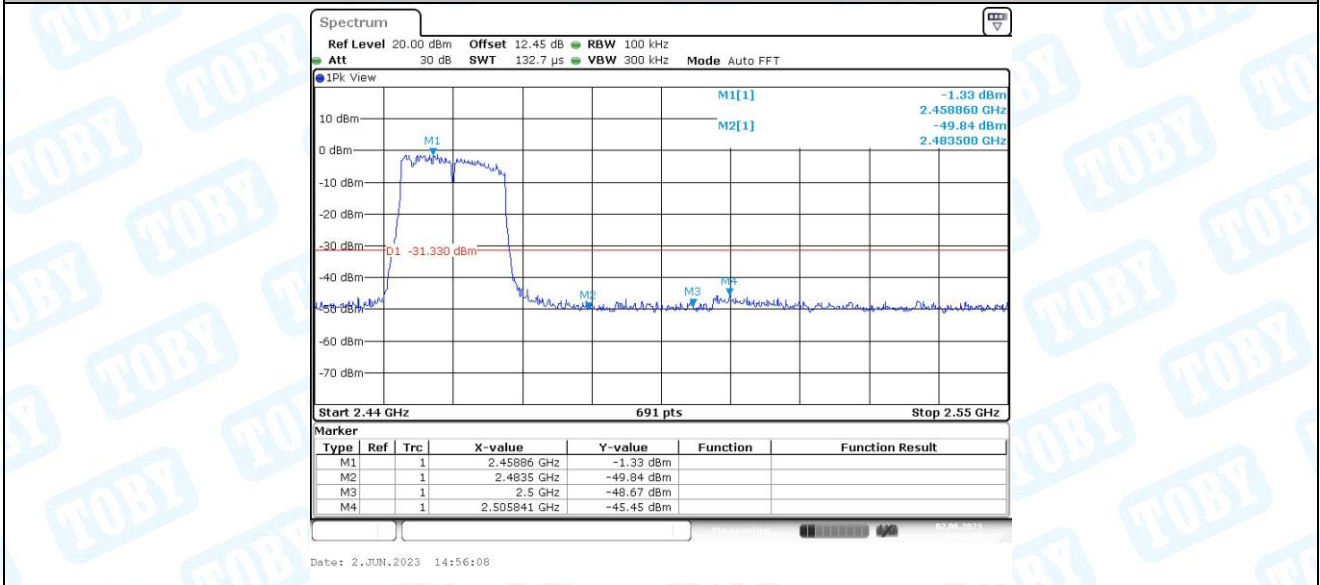
11G-CDD_Ant1_Low_2412



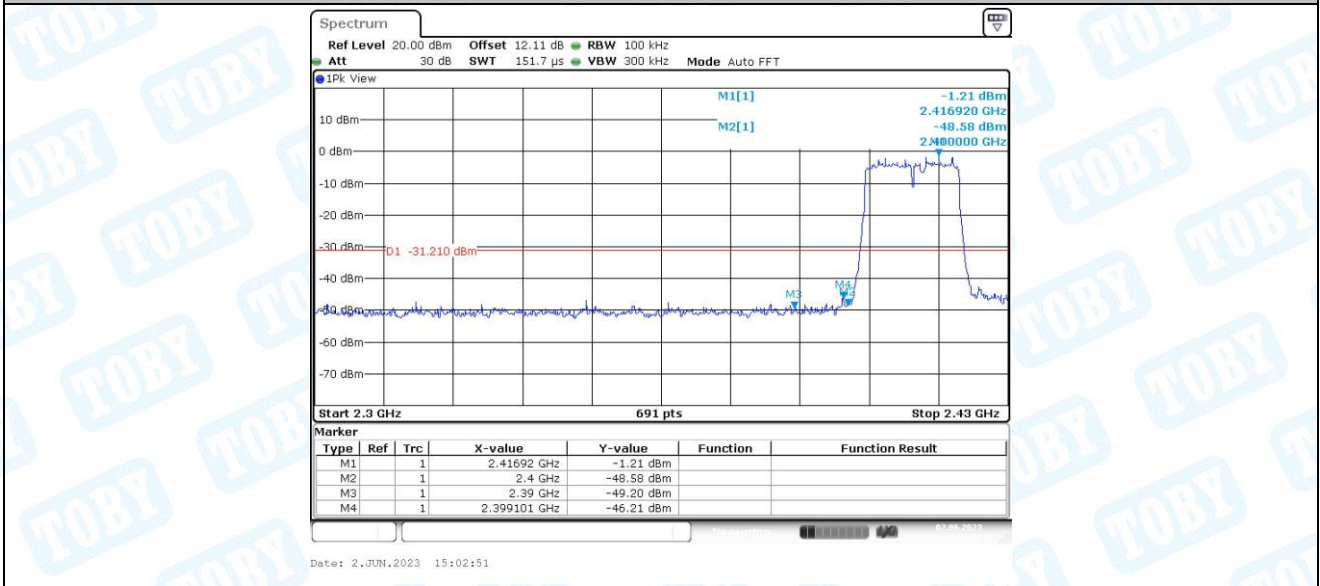
11G-CDD_Ant2_Low_2412



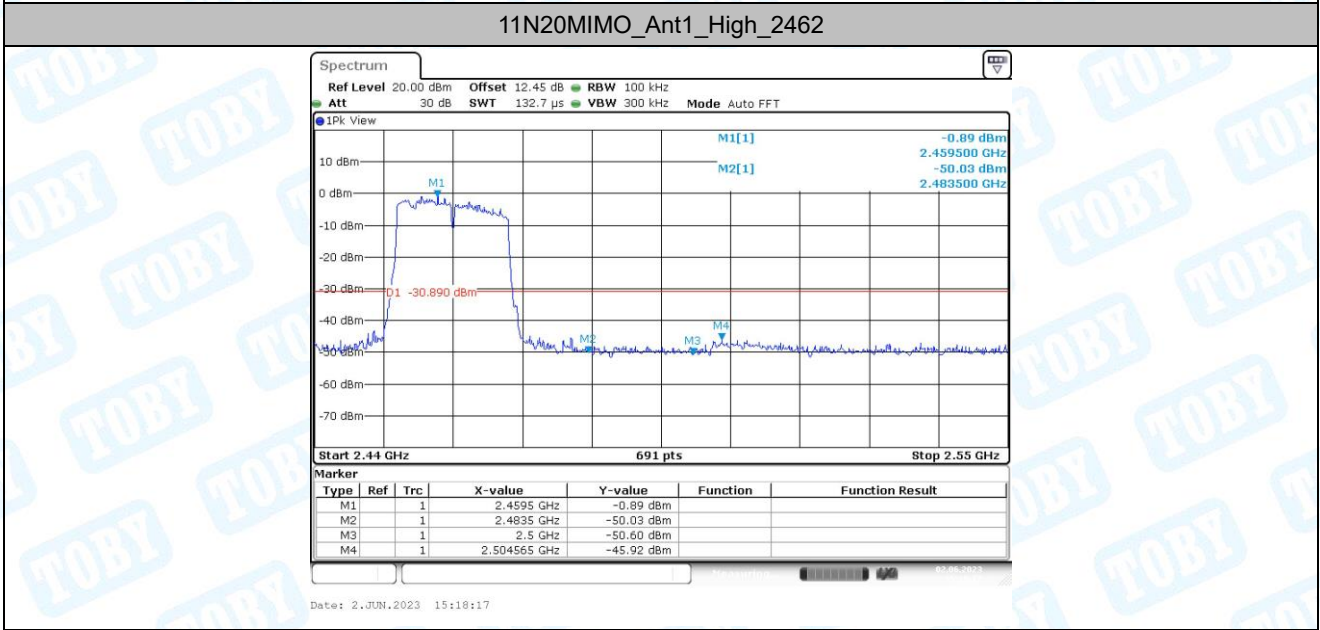
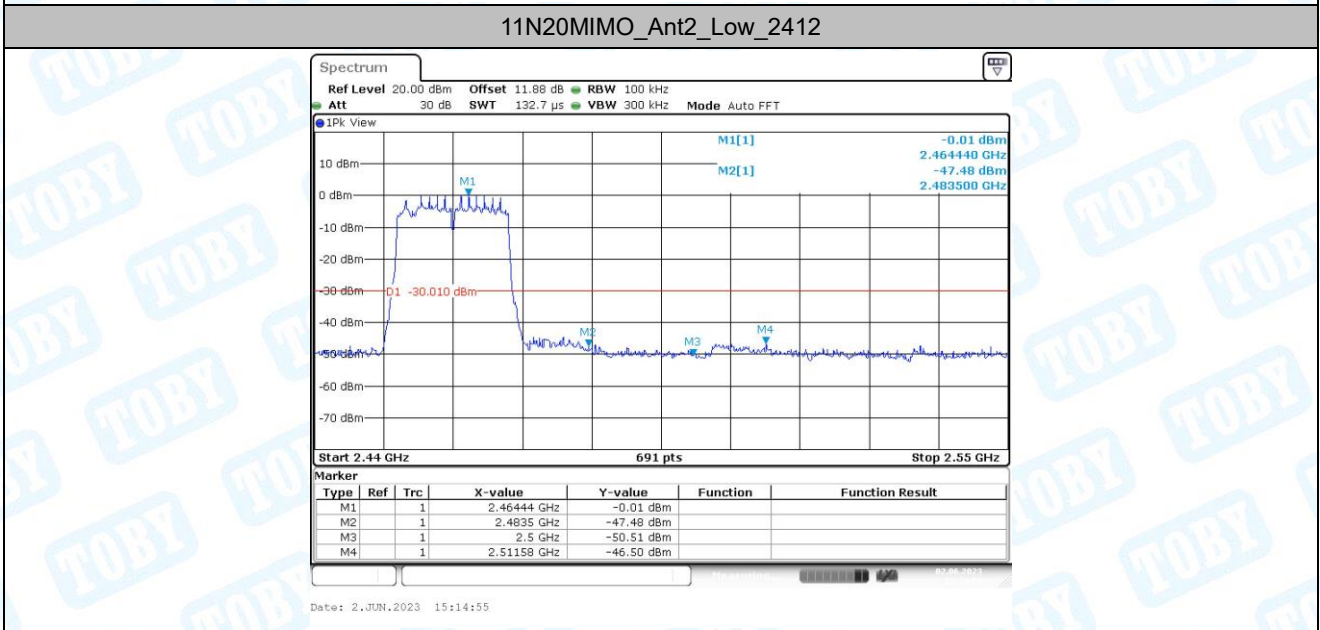
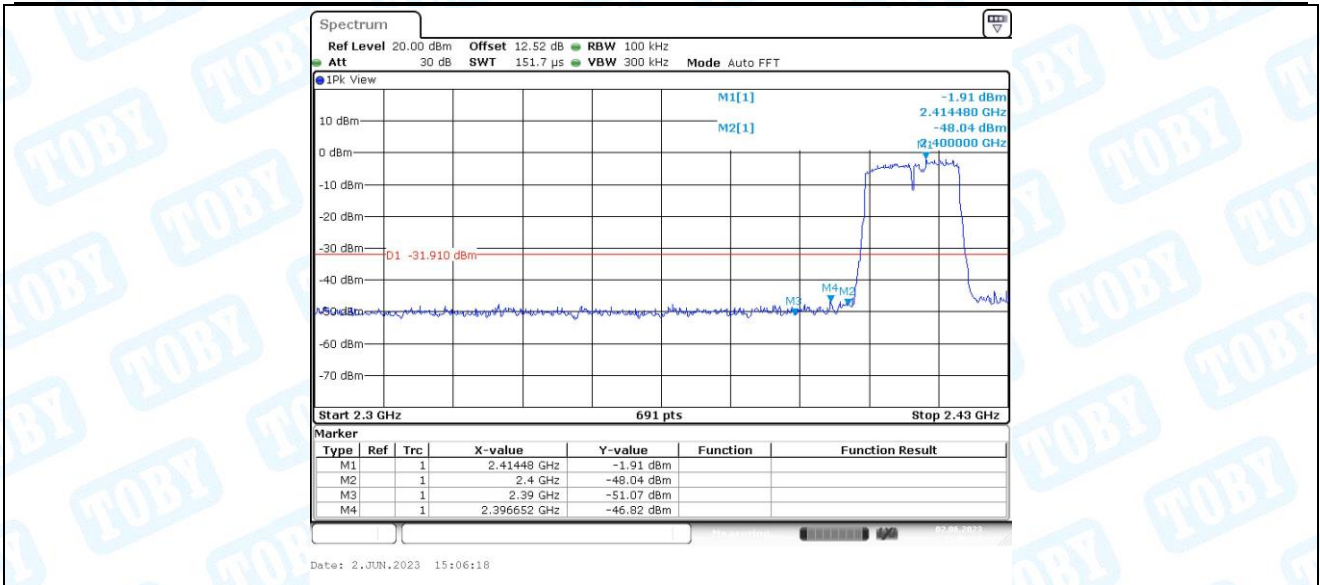
11G-CDD_Ant1_High_2462



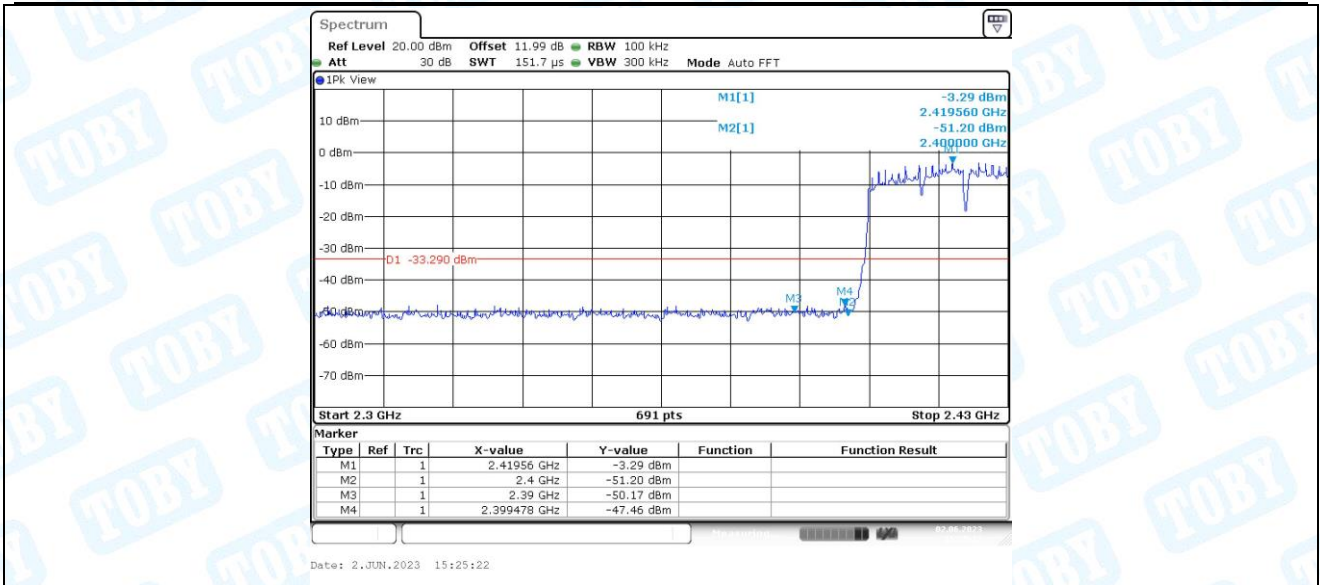
11G-CDD_Ant2_High_2462



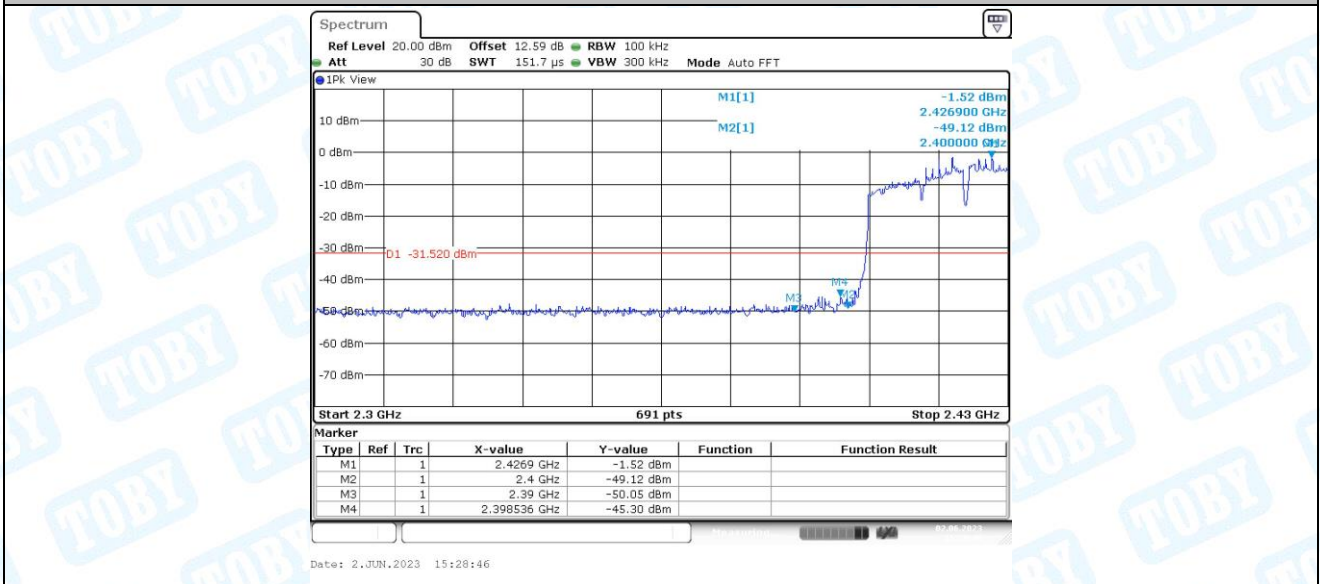
11N20MIMO_Ant1_Low_2412



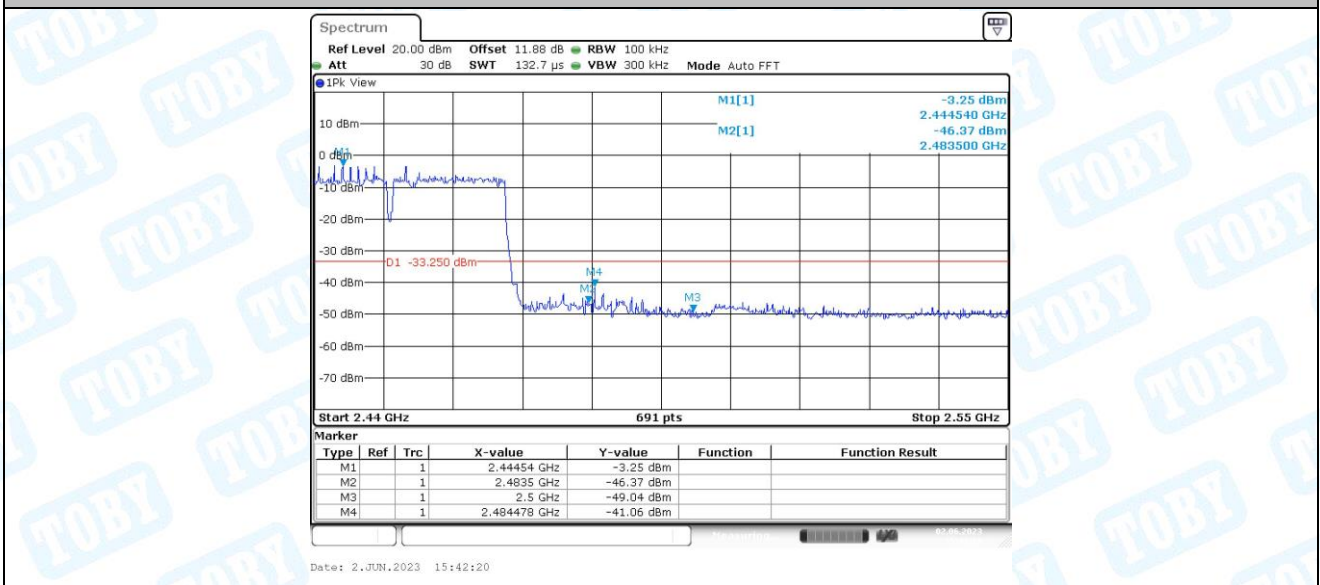
11N20MIMO_Ant2_High_2462



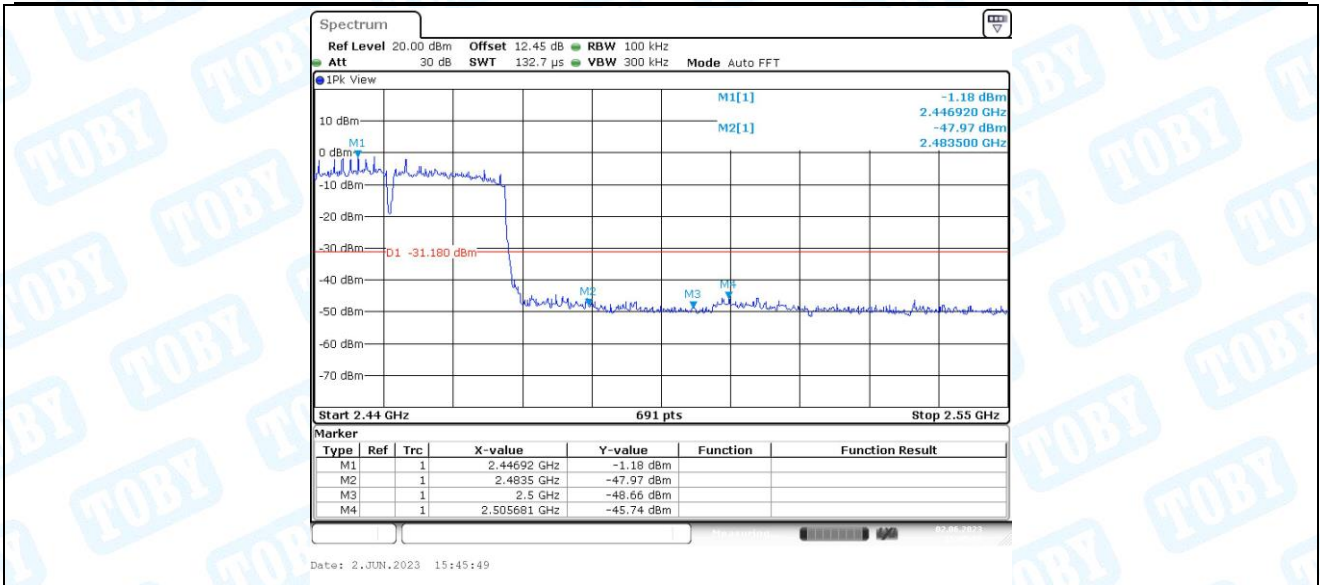
11N40MIMO_Ant1_Low_2422



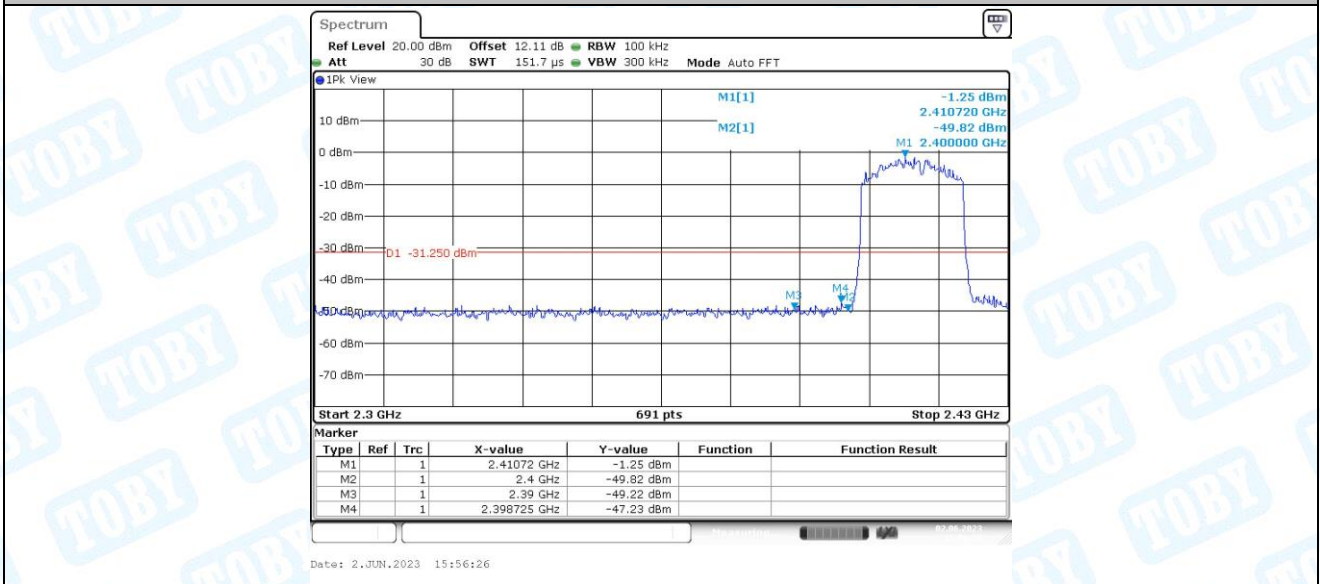
11N40MIMO_Ant2_Low_2422



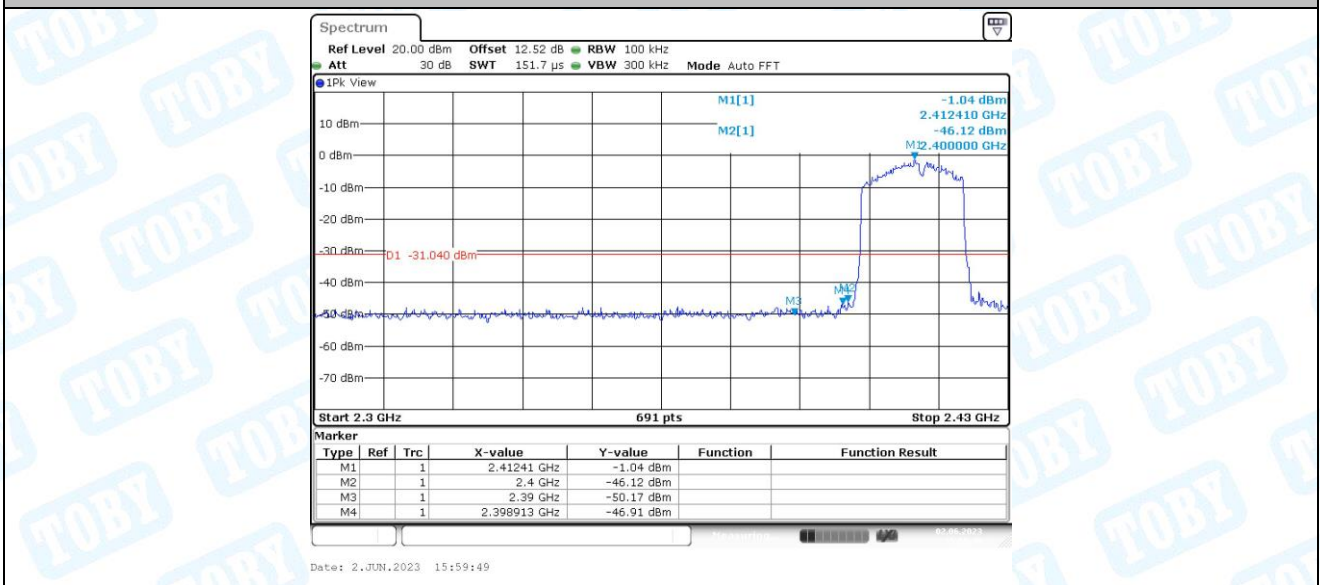
11N40MIMO_Ant1_High_2452



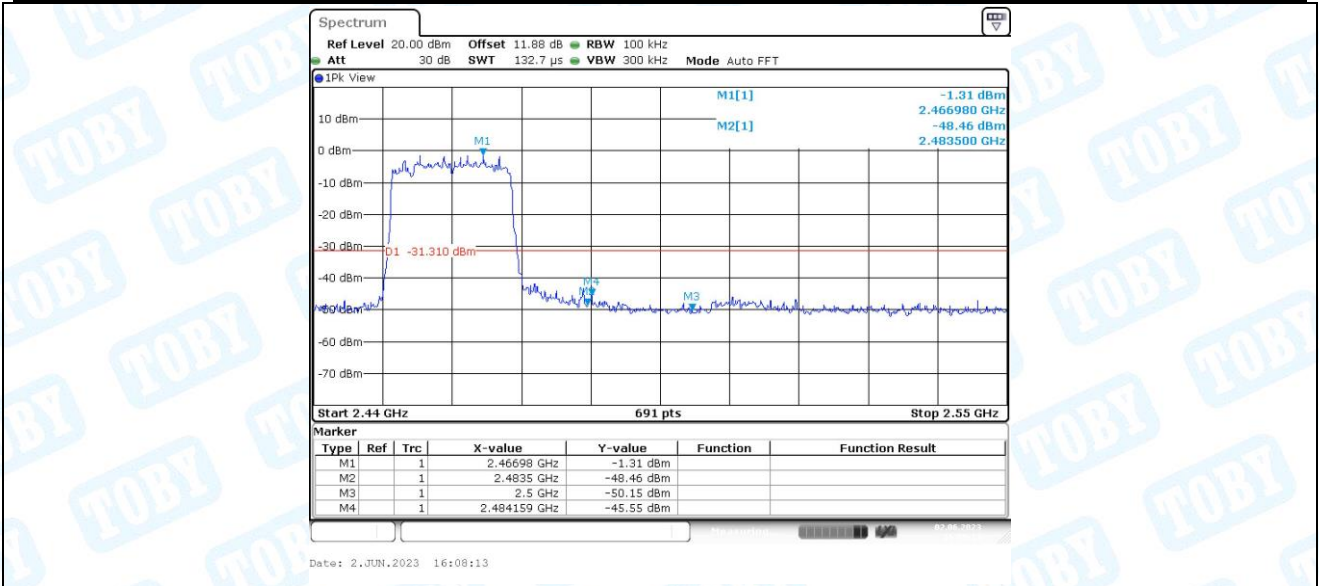
11N40MIMO_Ant2_High_2452



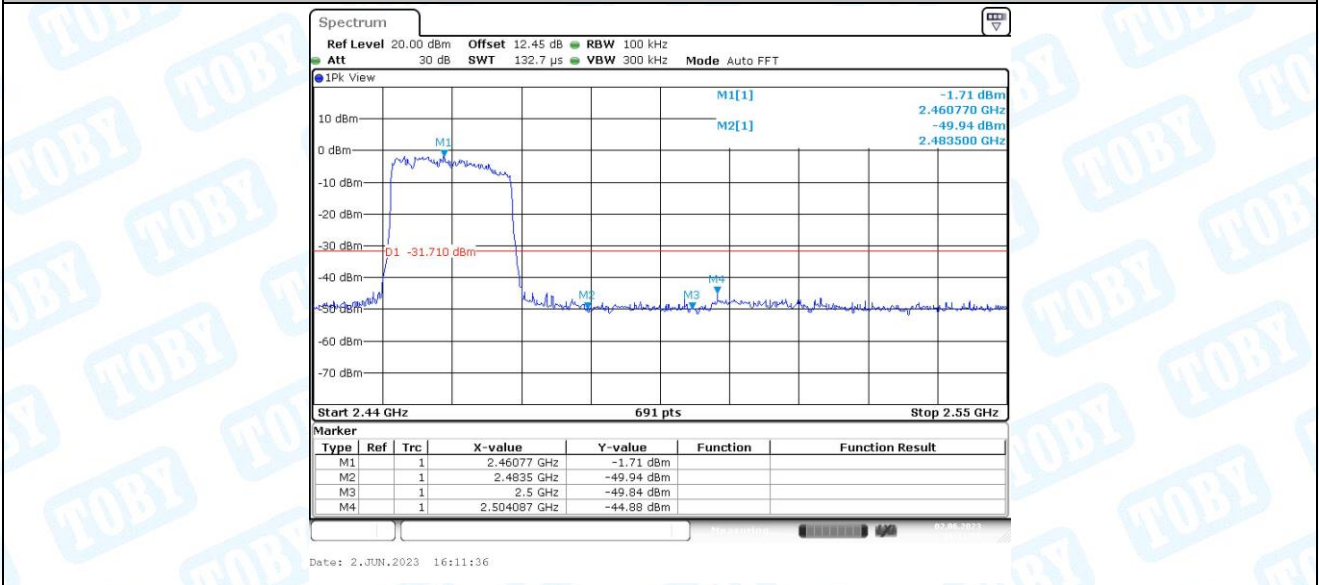
11AX20MIMO_Ant1_Low_2412



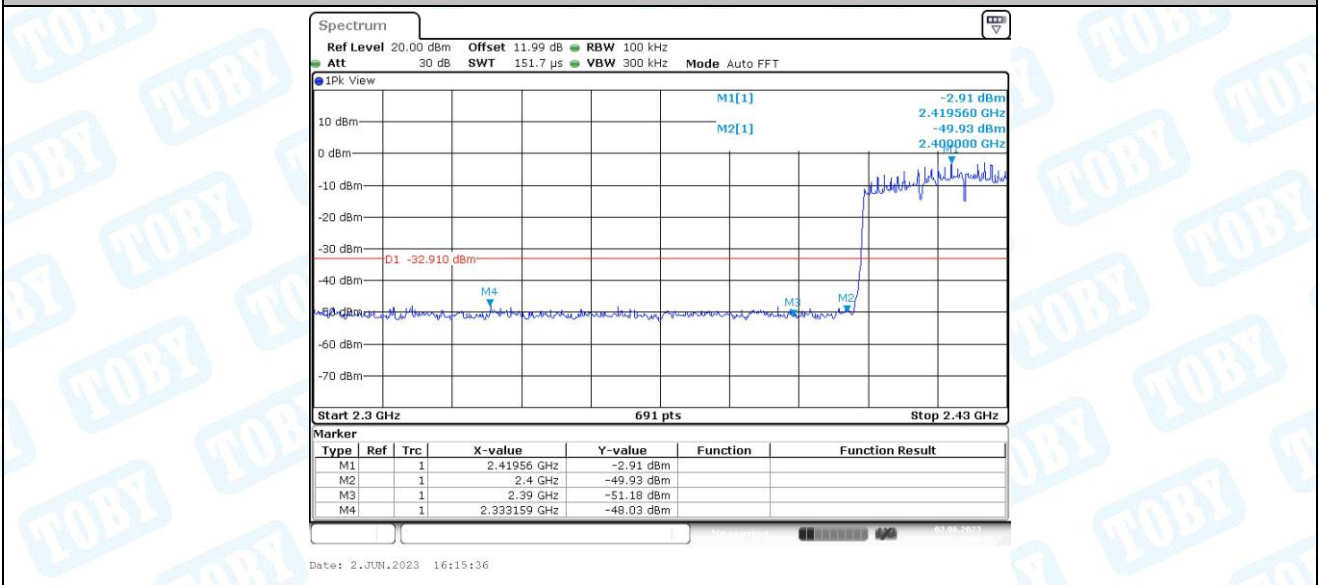
11AX20MIMO_Ant2_Low_2412



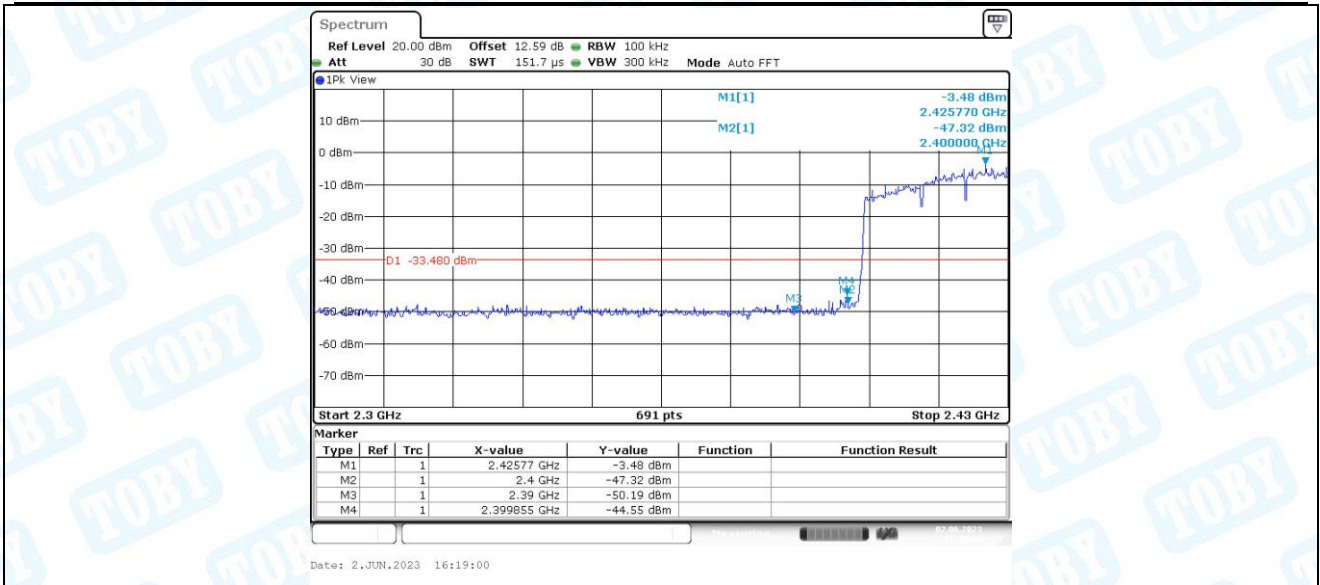
11AX20MIMO_Ant1_High_2462



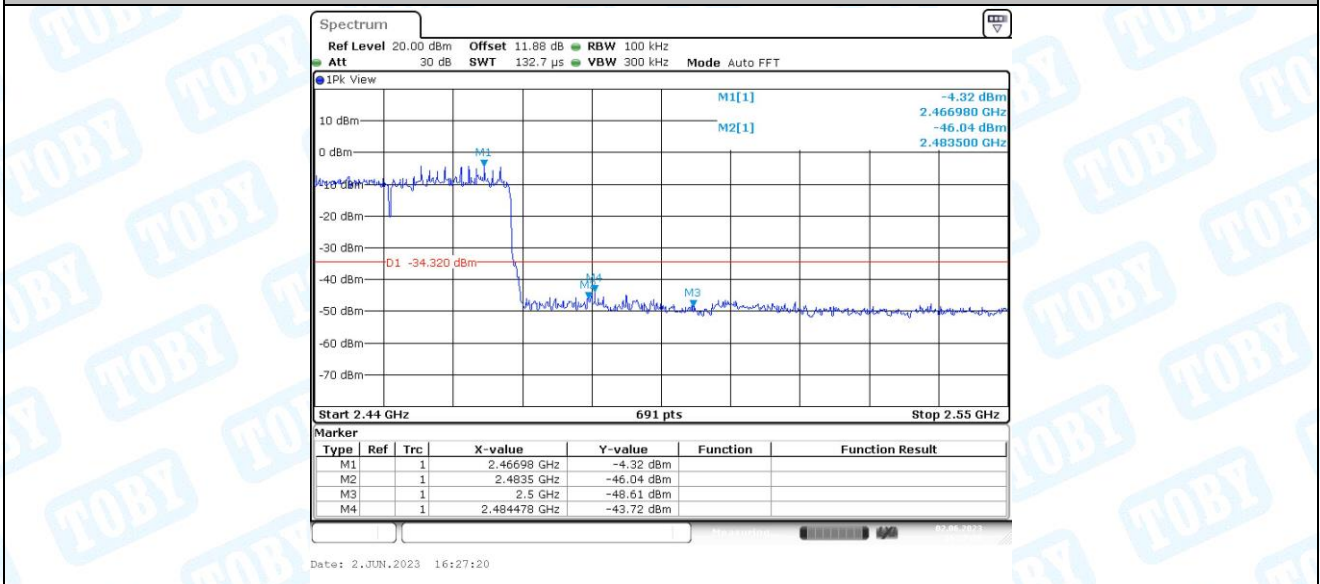
11AX20MIMO_Ant2_High_2462



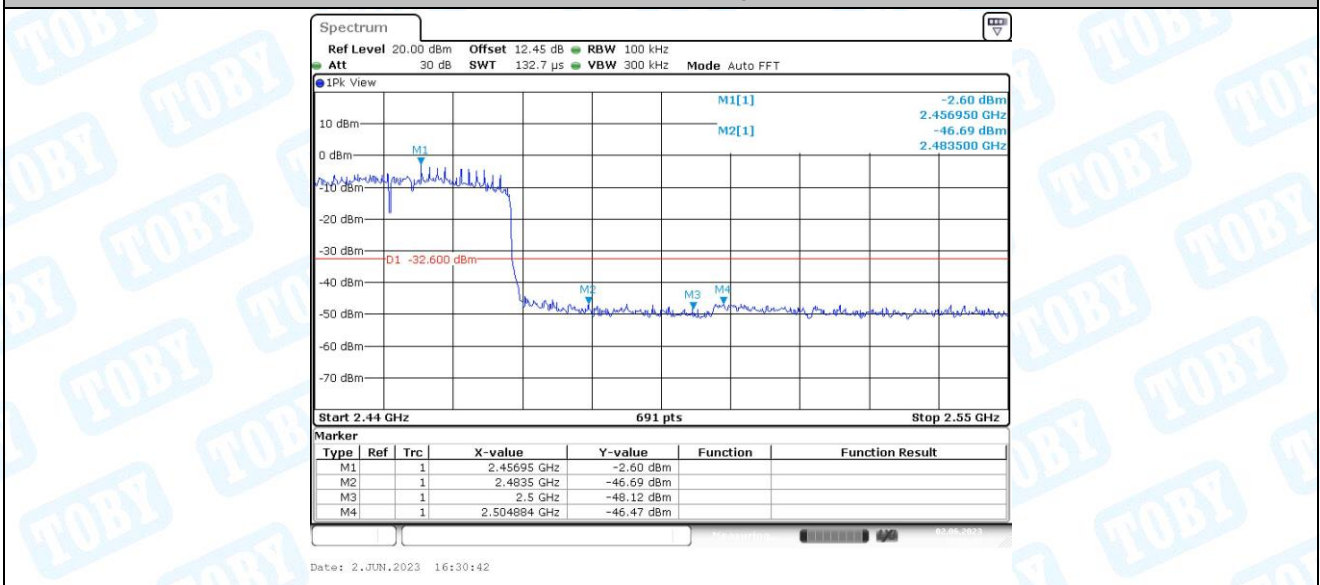
11AX40MIMO_Ant1_Low_2422



11AX40MIMO_Ant2_Low_2422



11AX40MIMO_Ant1_High_2452



11AX40MIMO_Ant2_High_2452

6. Conducted Spurious Emission

6.1. Test Result

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict	
11B-CDD	Ant1	2412	Reference	1.63	1.63	---	PASS	
			30~1000	1.63	-57.92	≤-28.37	PASS	
			1000~26500	1.63	-49.23	≤-28.37	PASS	
		2437	Reference	1.50	1.50	---	PASS	
			30~1000	1.50	-58.62	≤-28.5	PASS	
			1000~26500	1.50	-48.83	≤-28.5	PASS	
	Ant2	2437	Reference	1.86	1.86	---	PASS	
			30~1000	1.86	-58.12	≤-28.14	PASS	
			1000~26500	1.86	-48.75	≤-28.14	PASS	
	Ant1	2462	Reference	1.33	1.33	---	PASS	
			30~1000	1.33	-58.58	≤-28.67	PASS	
			1000~26500	1.33	-48.23	≤-28.67	PASS	
		Ant2	2462	Reference	1.42	1.42	---	PASS
				30~1000	1.42	-56.78	≤-28.58	PASS
				1000~26500	1.42	-48.47	≤-28.58	PASS
11G-CDD	Ant1	2412	Reference	0.55	0.55	---	PASS	
			30~1000	0.55	-56.8	≤-29.45	PASS	
			1000~26500	0.55	-49.12	≤-29.45	PASS	
	Ant2	2412	Reference	-1.16	-1.16	---	PASS	
			30~1000	-1.16	-57.75	≤-31.16	PASS	
			1000~26500	-1.16	-47.61	≤-31.16	PASS	
	Ant1	2437	Reference	0.09	0.09	---	PASS	
			30~1000	0.09	-57.72	≤-29.91	PASS	
			1000~26500	0.09	-49.07	≤-29.91	PASS	
	Ant2	2437	Reference	0.64	0.64	---	PASS	
			30~1000	0.64	-56.69	≤-29.36	PASS	
			1000~26500	0.64	-48.3	≤-29.36	PASS	
	Ant1	2462	Reference	-0.26	-0.26	---	PASS	
			30~1000	-0.26	-57.91	≤-30.26	PASS	
			1000~26500	-0.26	-49.37	≤-30.26	PASS	
Ant2	2462	Reference	1.14	1.14	---	PASS		
		30~1000	1.14	-57.52	≤-28.86	PASS		
		1000~26500	1.14	-48.82	≤-28.86	PASS		
11N20MIMO	Ant1	2412	Reference	0.47	0.47	---	PASS	
			30~1000	0.47	-57.61	≤-29.53	PASS	
			1000~26500	0.47	-48.8	≤-29.53	PASS	
	Ant2	2412	Reference	1.73	1.73	---	PASS	
			30~1000	1.73	-57.41	≤-28.27	PASS	
			1000~26500	1.73	-47.48	≤-28.27	PASS	
Ant1	2437	Reference	0.44	0.44	---	PASS		