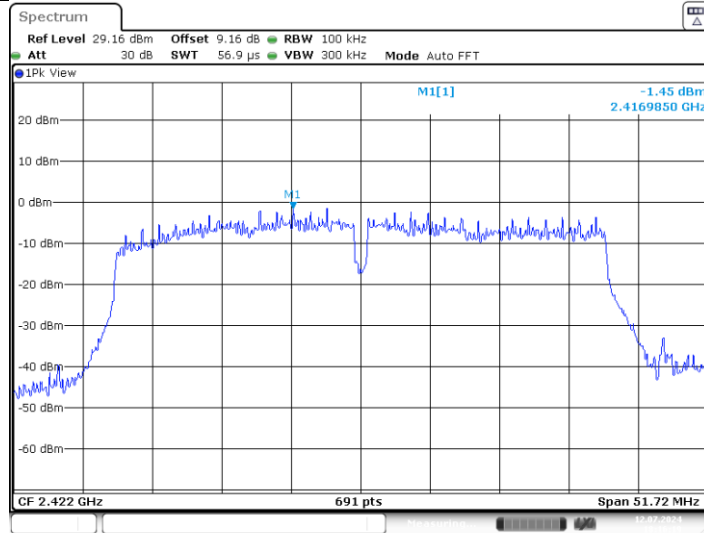
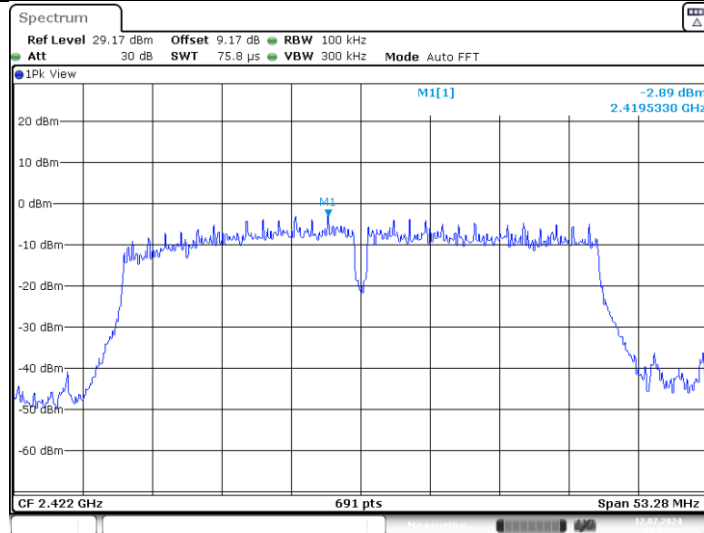


11N40MIMO_Ant1_2422



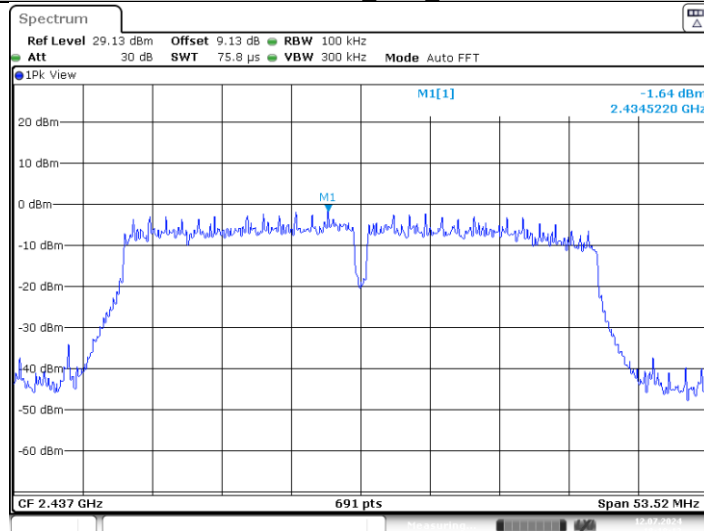
Date: 12.JUL.2024 18:16:19

11N40MIMO_Ant2_2422



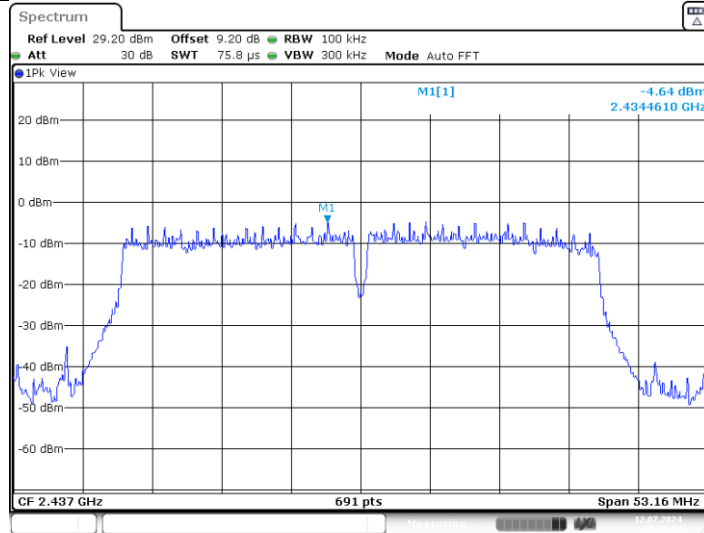
Date: 12.JUL.2024 18:53:13

11N40MIMO_Ant1_2437



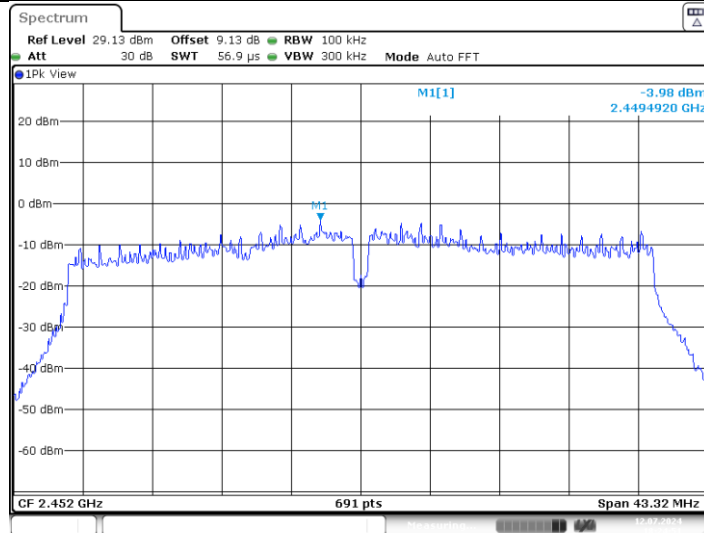
Date: 12.JUL.2024 18:18:14

11N40MIMO_Ant2_2437



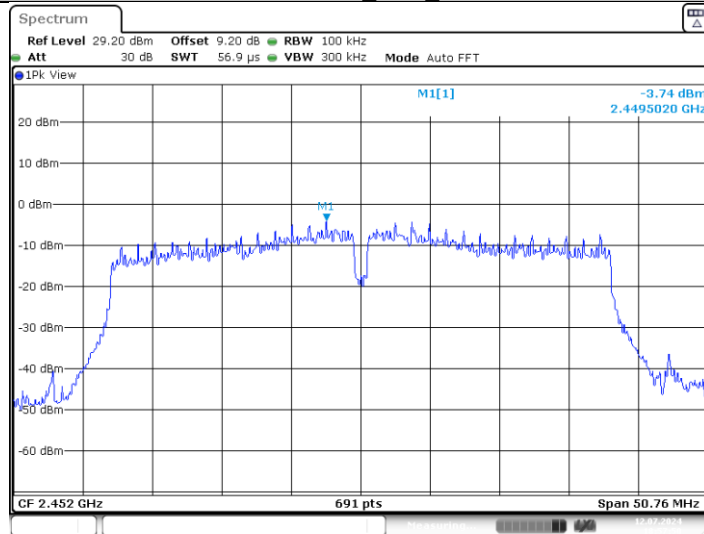
Date: 12.JUL.2024 18:55:04

11N40MIMO_Ant1_2452



Date: 12.JUL.2024 18:24:52

11N40MIMO_Ant2_2452

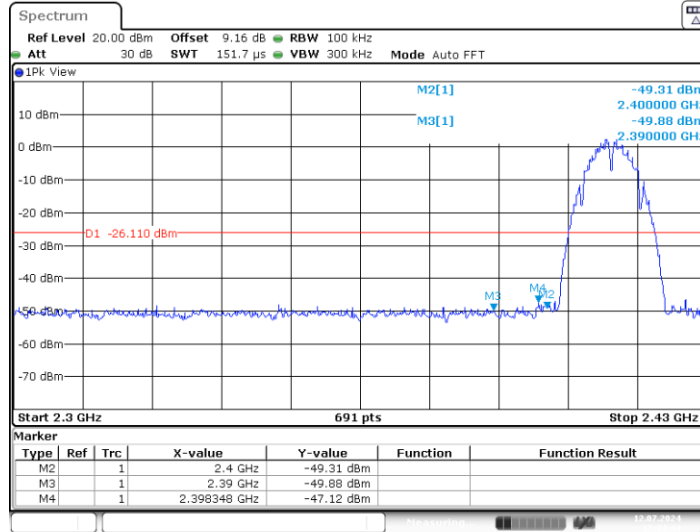


Date: 12.JUL.2024 18:57:51

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	3.89	-47.12	≤-26.11	PASS
	Ant2	Low	2412	3.64	-47.23	≤-26.36	PASS
	Ant1	High	2462	3.80	-47.48	≤-26.2	PASS
	Ant2	High	2462	3.89	-47.59	≤-26.11	PASS
11G	Ant1	Low	2412	0.60	-39.35	≤-29.4	PASS
	Ant2	Low	2412	0.85	-39.88	≤-29.15	PASS
	Ant1	High	2462	0.83	-46.92	≤-29.17	PASS
	Ant2	High	2462	0.67	-47.39	≤-29.33	PASS
11N20MIMO	Ant1	Low	2412	0.97	-38.44	≤-29.03	PASS
	Ant2	Low	2412	0.18	-40.8	≤-29.82	PASS
	Ant1	High	2462	1.29	-47.39	≤-28.71	PASS
	Ant2	High	2462	0.63	-47.1	≤-29.37	PASS
11N40MIMO	Ant1	Low	2422	-1.45	-39.25	≤-31.45	PASS
	Ant2	Low	2422	-2.89	-40.15	≤-32.89	PASS
	Ant1	High	2452	-3.98	-43.97	≤-33.98	PASS
	Ant2	High	2452	-3.74	-44.52	≤-33.74	PASS

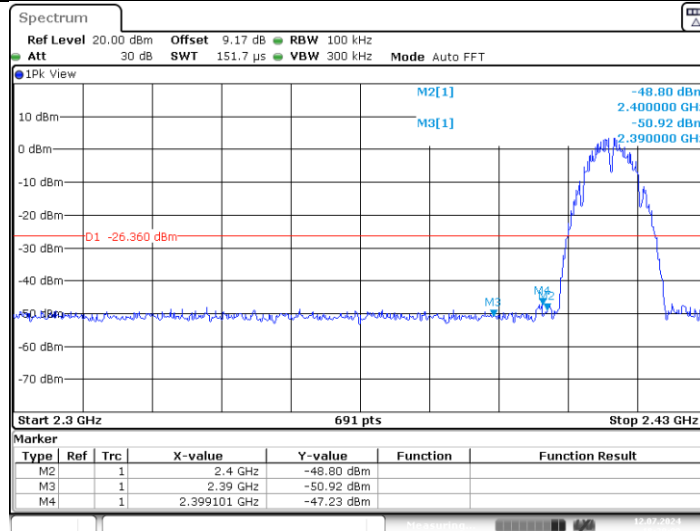
TEST GRAPHS

11B_Ant1_Low_2412



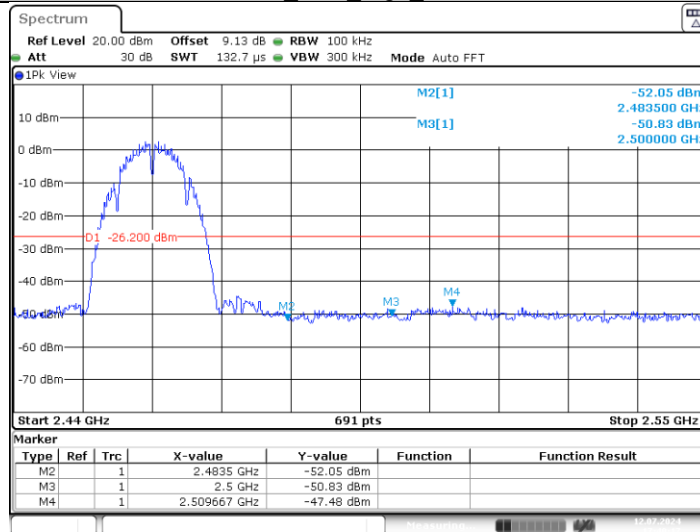
Date: 12.JUL.2024 17:34:43

11B_Ant2_Low_2412



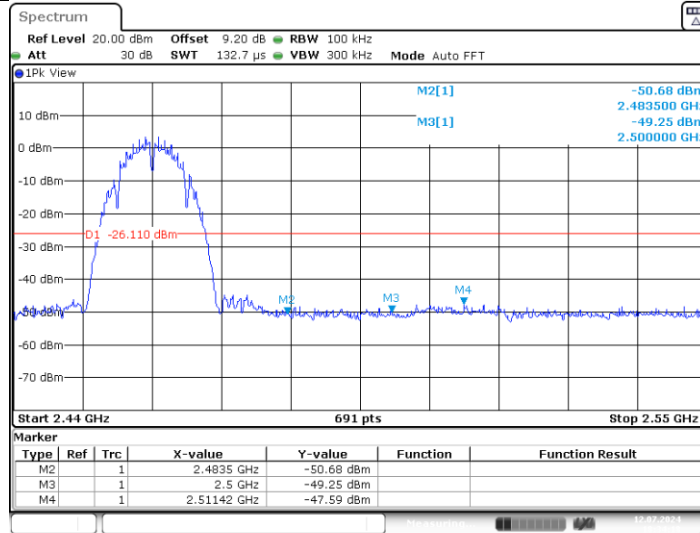
Date: 12.JUL.2024 18:29:00

11B_Ant1_High_2462

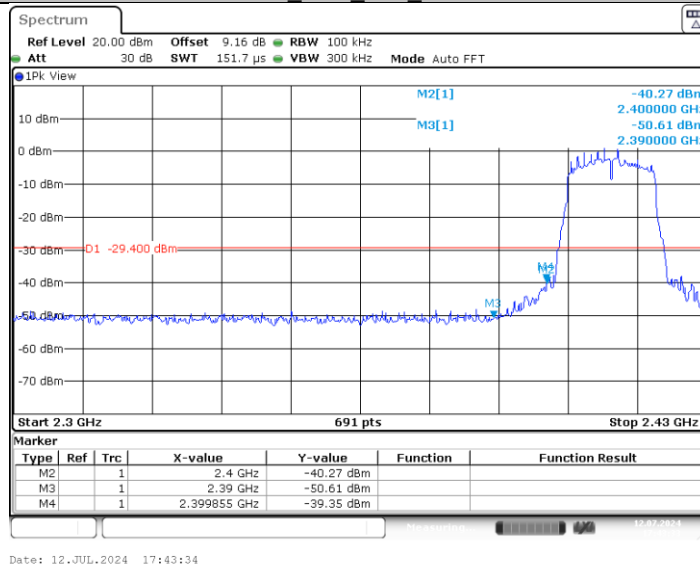


Date: 12.JUL.2024 17:40:17

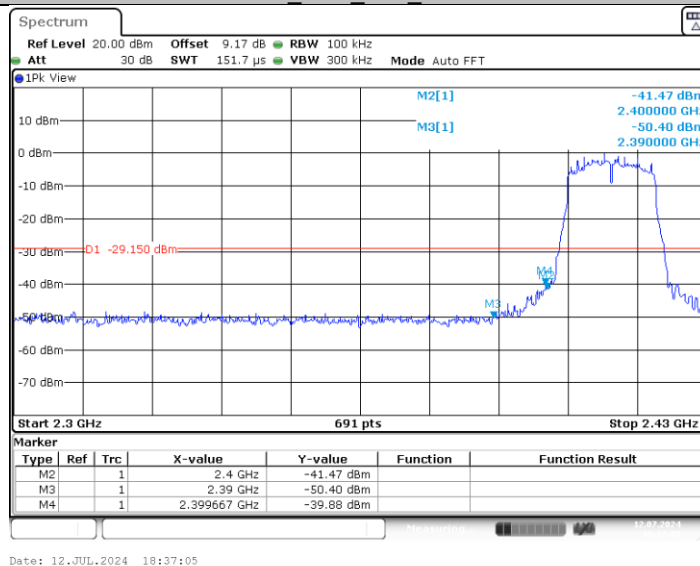
11B_Ant2_High_2462



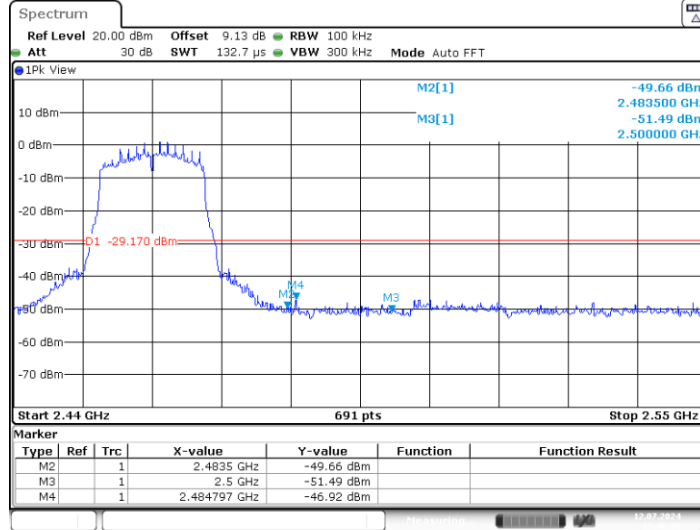
11G_Ant1_Low_2412



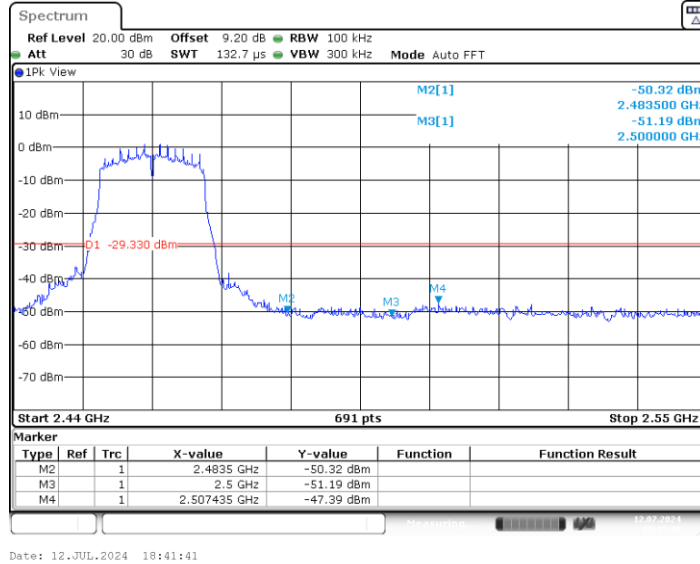
11G_Ant2_Low_2412



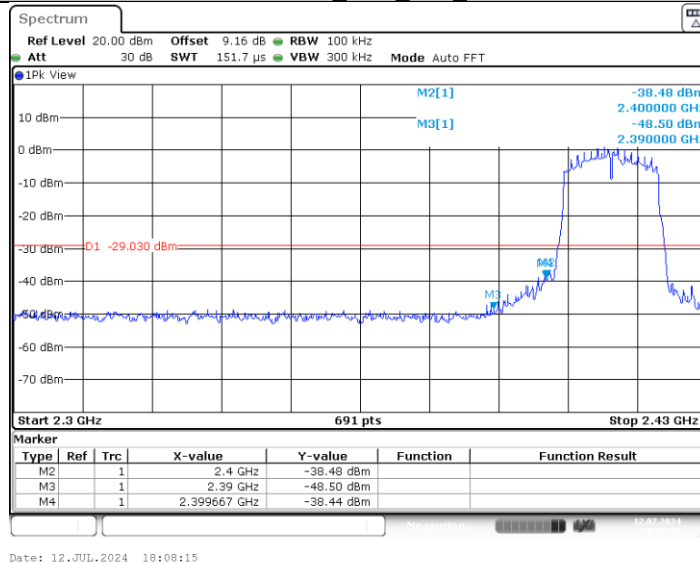
11G_Ant1_High_2462



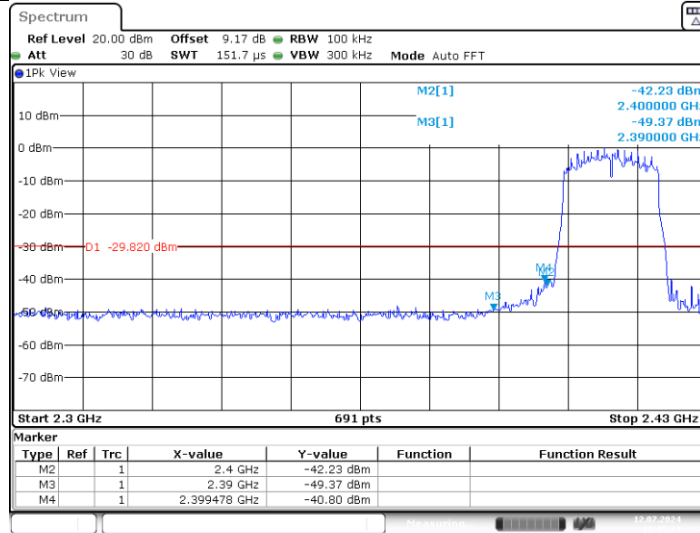
11G_Ant2_High_2462



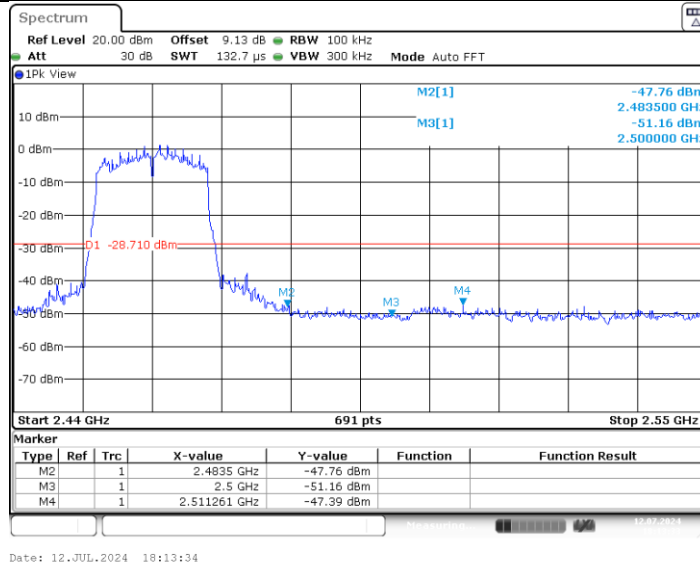
11N20MIMO_Ant1_Low_2412



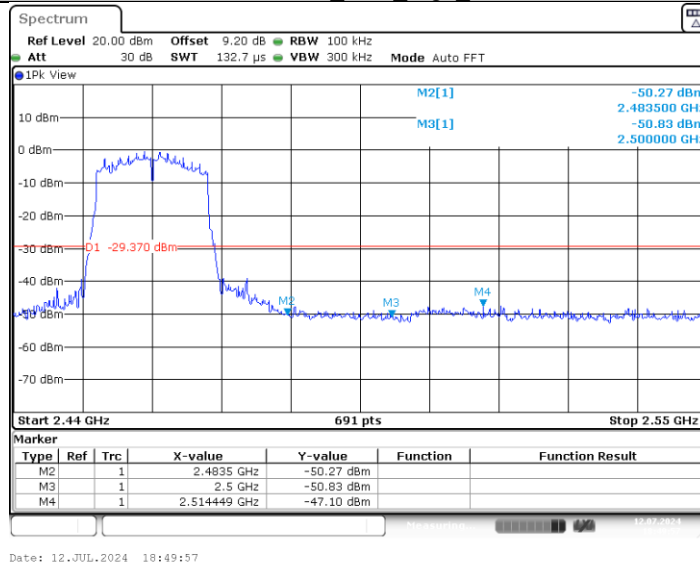
11N20MIMO_Ant2_Low_2412



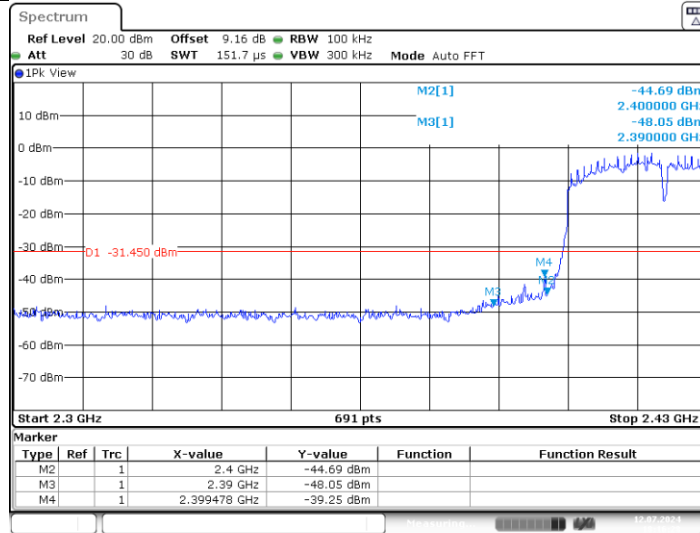
11N20MIMO_Ant1_High_2462



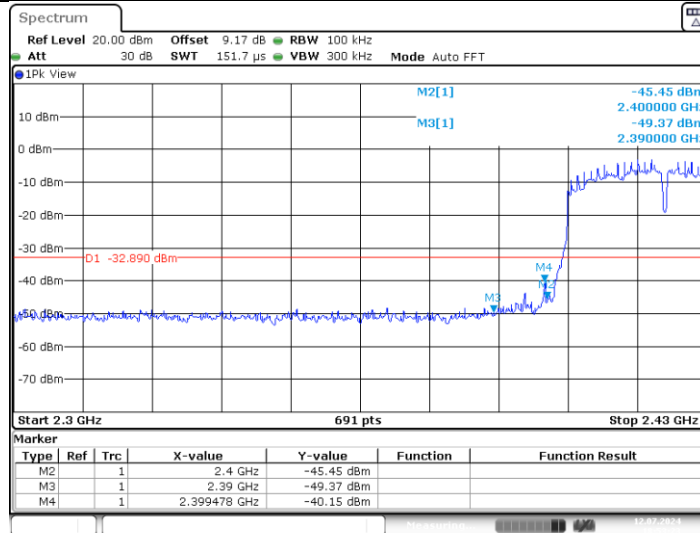
11N20MIMO_Ant2_High_2462



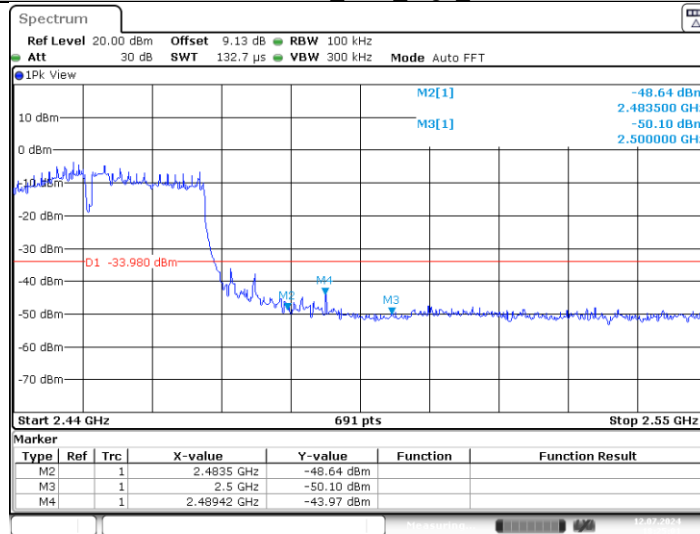
11N40MIMO_Ant1_Low_2422

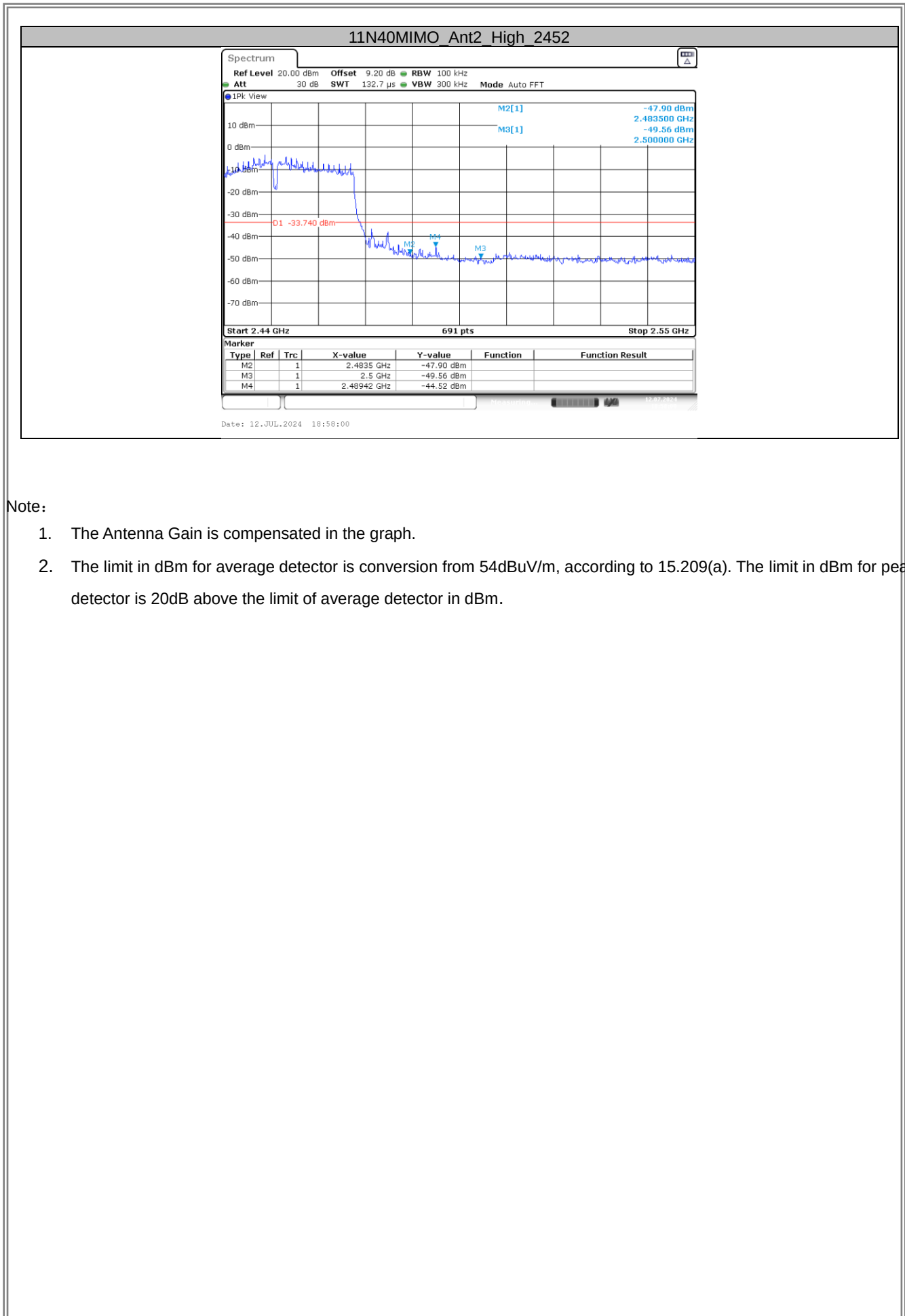


11N40MIMO_Ant2_Low_2422



11N40MIMO_Ant1_High_2452





Note:

1. The Antenna Gain is compensated in the graph.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

APPENDIXH - POWER SPECTRAL DENSITY

SISO Mode

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-17.45	≤8.00	PASS
	Ant2	2412	-17.74	≤8.00	PASS
	Ant1	2437	-17.86	≤8.00	PASS
	Ant2	2437	-18.07	≤8.00	PASS
	Ant1	2462	-17.82	≤8.00	PASS
	Ant2	2462	-17.74	≤8.00	PASS
11G	Ant1	2412	-19.01	≤8.00	PASS
	Ant2	2412	-19.53	≤8.00	PASS
	Ant1	2437	-19.34	≤8.00	PASS
	Ant2	2437	-19.73	≤8.00	PASS
	Ant1	2462	-19.51	≤8.00	PASS
	Ant2	2462	-19.43	≤8.00	PASS
11N20	Ant1	2412	-14.99	≤8.00	PASS
	Ant2	2412	-16.52	≤8.00	PASS
	Ant1	2437	-15.33	≤8.00	PASS
	Ant2	2437	-16.32	≤8.00	PASS
	Ant1	2462	-15.01	≤8.00	PASS
	Ant2	2462	-15.79	≤8.00	PASS
11N40	Ant1	2422	-15.78	≤8.00	PASS
	Ant2	2422	-17.59	≤8.00	PASS
	Ant1	2437	-16.75	≤8.00	PASS
	Ant2	2437	-19.96	≤8.00	PASS
	Ant1	2452	-15.43	≤8.00	PASS
	Ant2	2452	-18.87	≤8.00	PASS

MIMO Mode

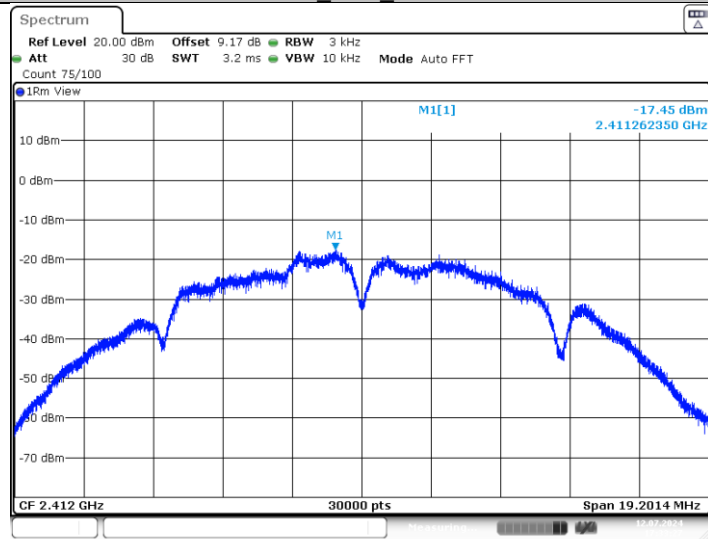
TestMode	Antenna	Frequency[MHz]	ANT1 (dBm/3kHz)	ANT2 (dBm/3kHz)	PSD (dBm/3kHz)	Limit[dBm/3kHz]	Verdict
11N20	Ant1+ Ant2	2412	-14.99	-16.52	-12.68	≤8.00	PASS
	Ant1+ Ant2	2437	-15.33	-16.32	-12.79	≤8.00	PASS
	Ant1+ Ant2	2462	-15.01	-15.79	-12.37	≤8.00	PASS
11N40	Ant1+ Ant2	2422	-15.78	-17.59	-13.58	≤8.00	PASS
	Ant1+ Ant2	2437	-16.75	-19.96	-15.05	≤8.00	PASS
	Ant1+ Ant2	2452	-15.43	-18.87	-13.81	≤8.00	PASS

DC Factor=10*log(1/ Duty Cycle)

The measure-and-sum technique shall be used for measuring in-band transmit power of a device. Total power is the sum of the conducted power levels measured at the various output ports.
(First measure the power (mW) of each antenna separately, and the total power is equal to Ant1mW + Ant2mW+....)

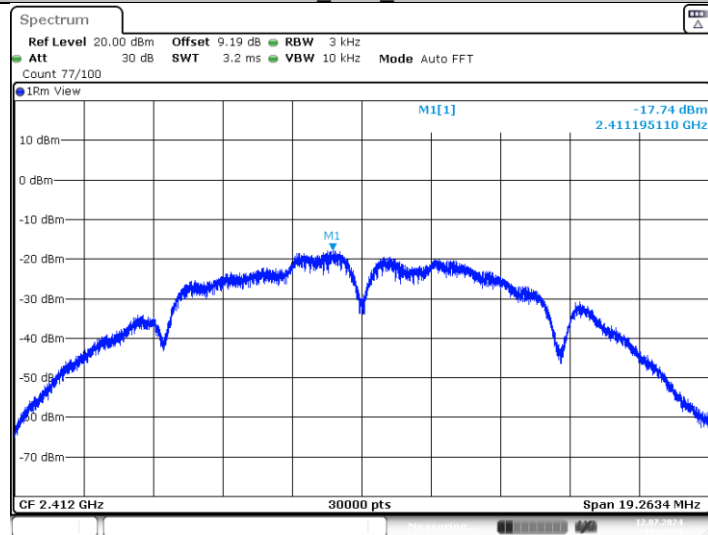
Test Graphs

11B_Ant1_2412



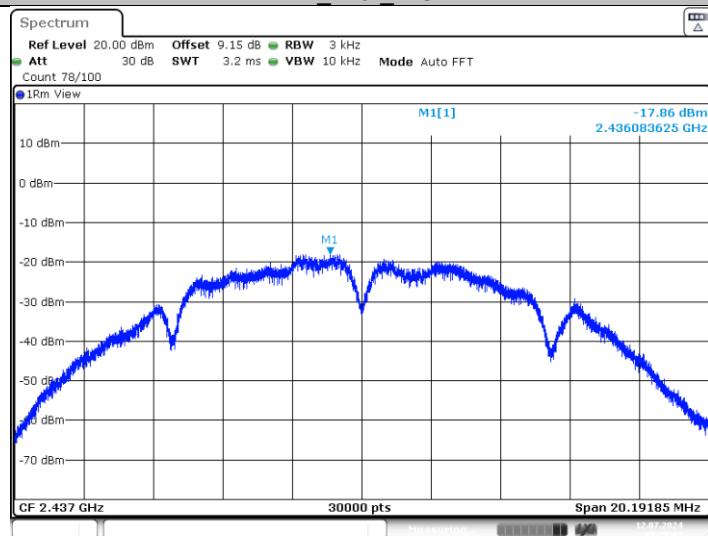
Date: 12.JUL.2024 17:33:27

11B_Ant2_2412



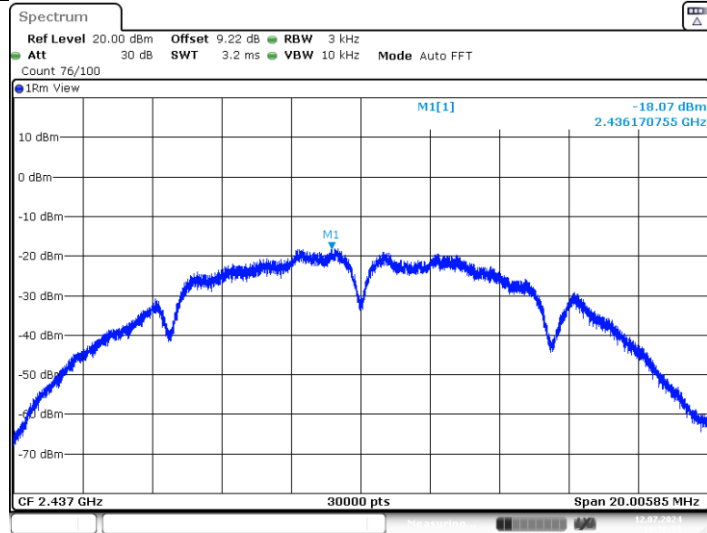
Date: 12.JUL.2024 18:27:44

11B_Ant1_2437

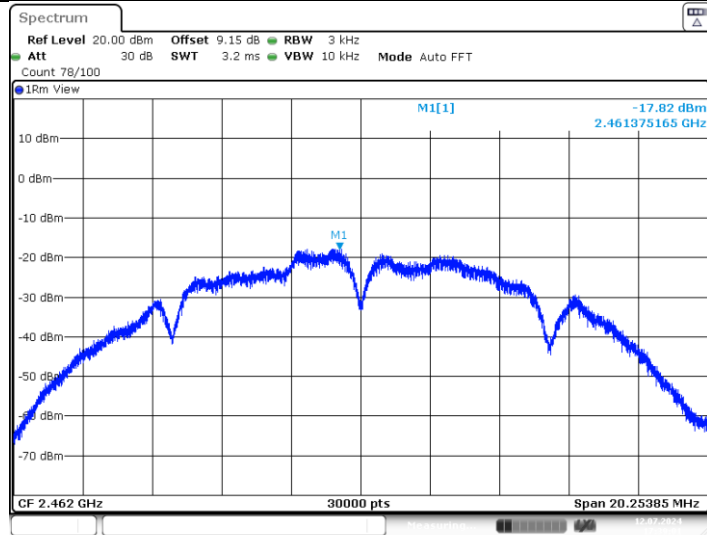


Date: 12.JUL.2024 17:37:01

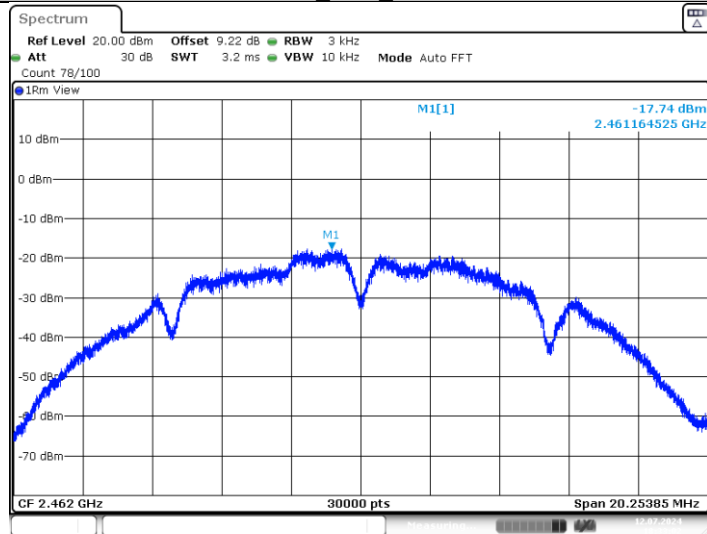
11B_Ant2_2437



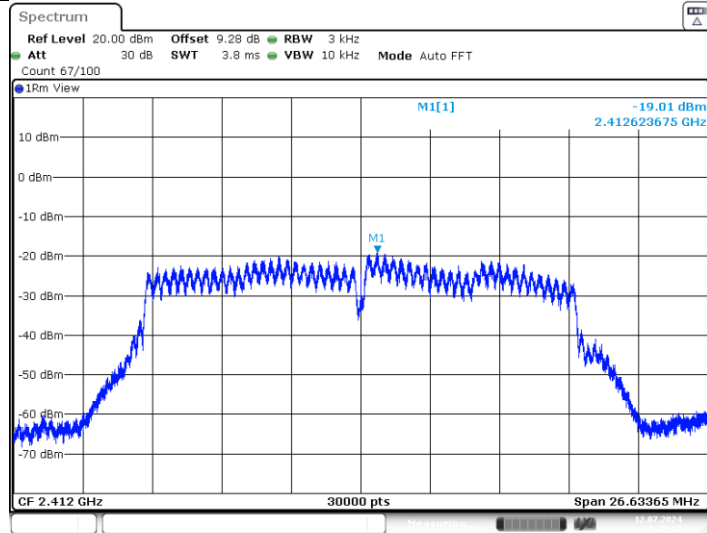
11B_Ant1_2462



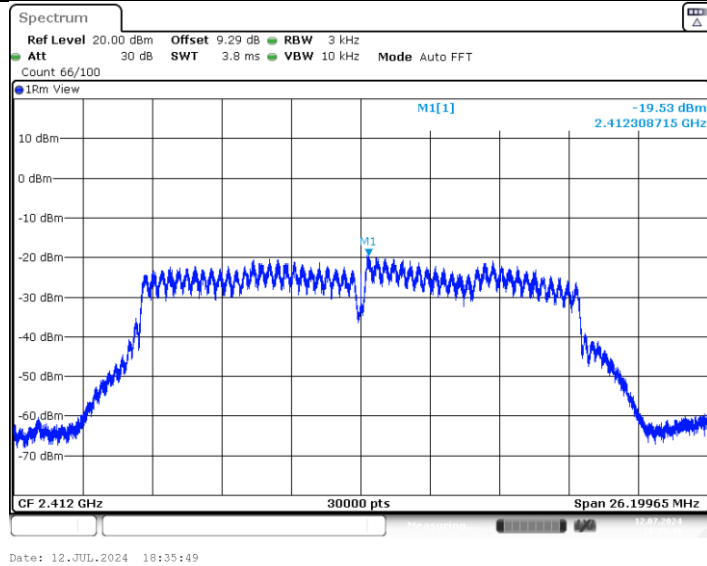
11B_Ant2_2462



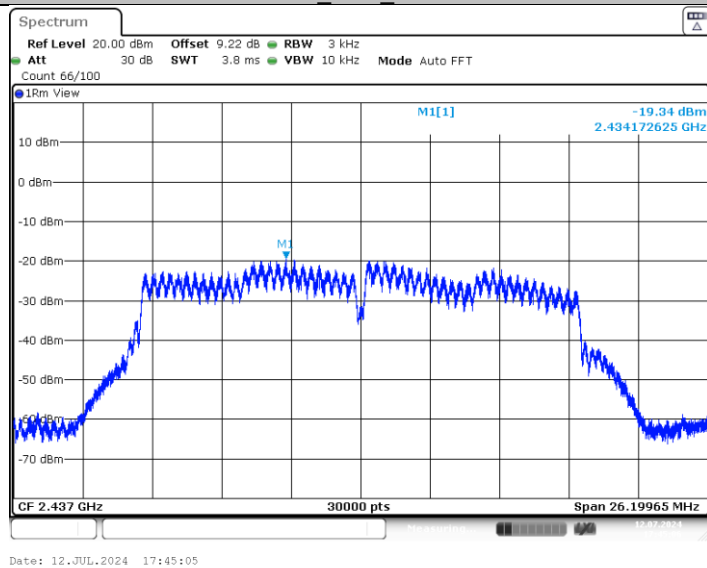
11G_Ant1_2412



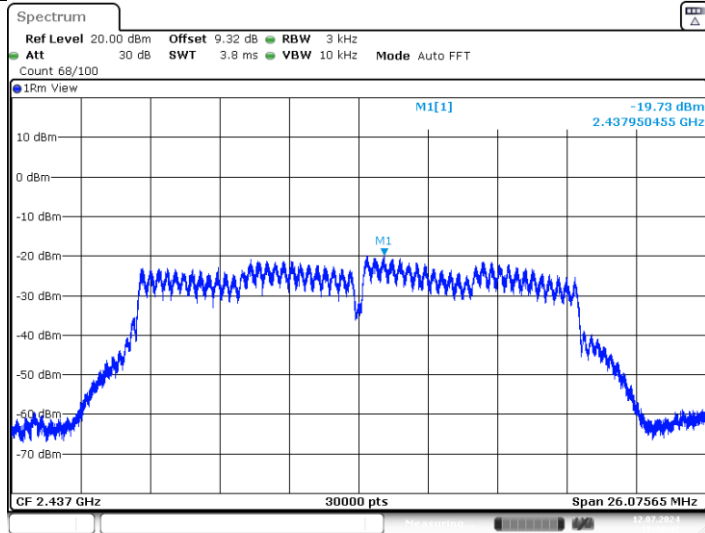
11G_Ant2_2412



11G_Ant1_2437

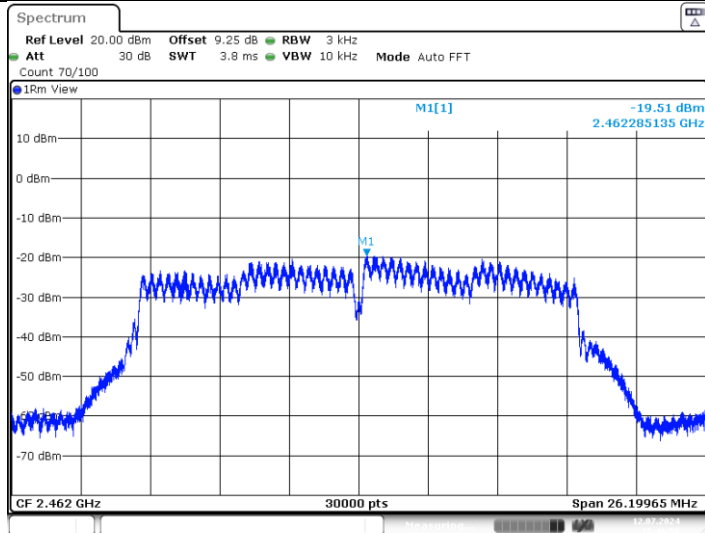


11G_Ant2_2437



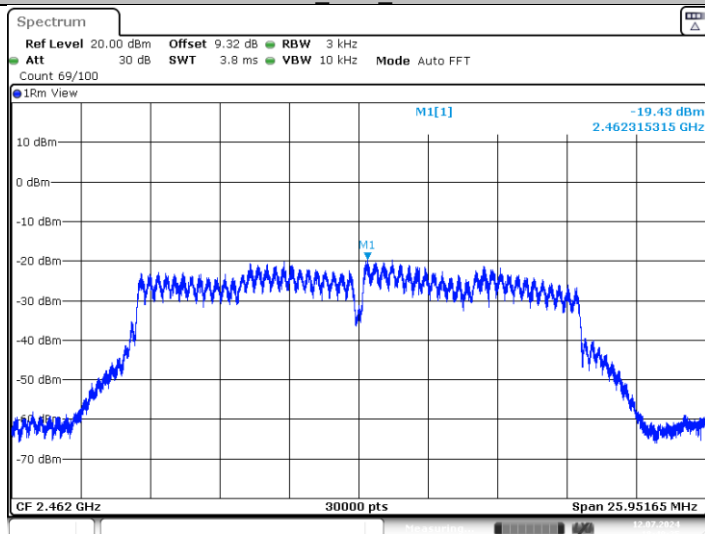
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11G_Ant1_2462



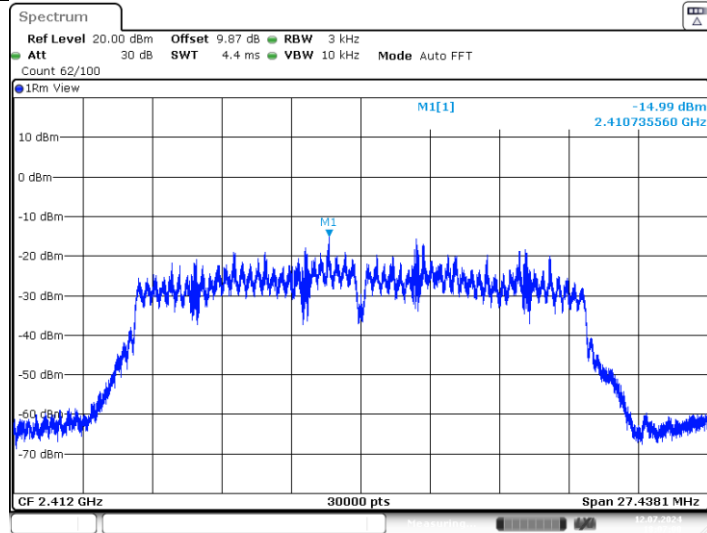
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11G_Ant2_2462



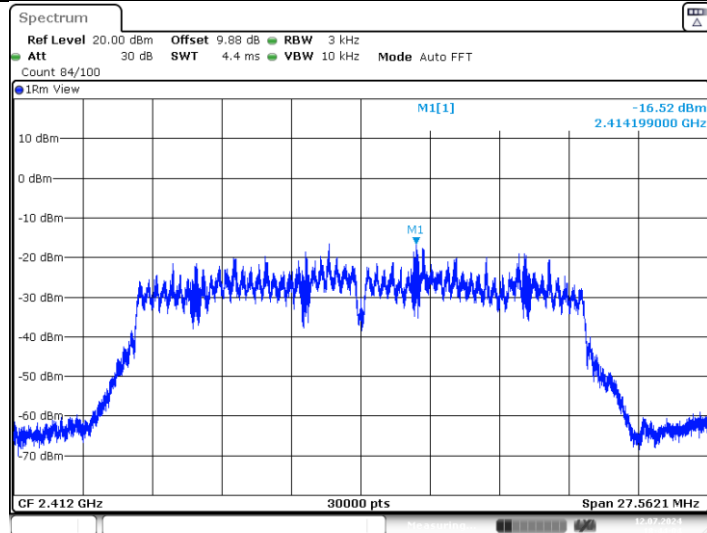
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11N20MIMO_Ant1_2412



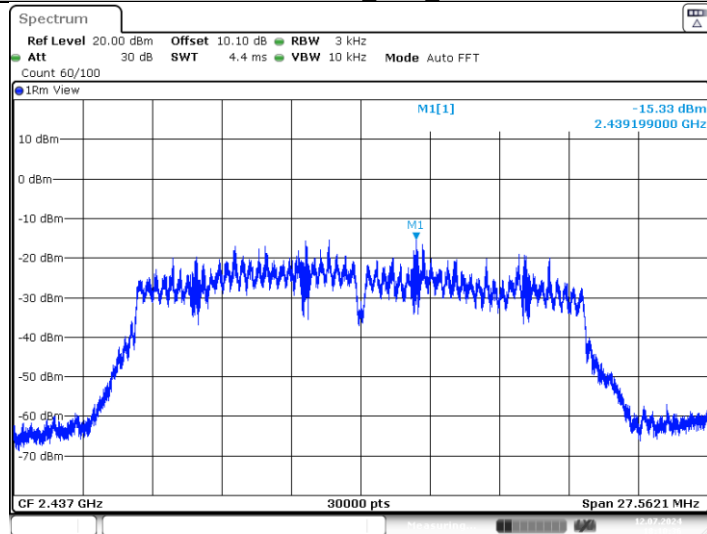
Date: 12.JUL.2024 18:06:59

11N20MIMO_Ant2_2412



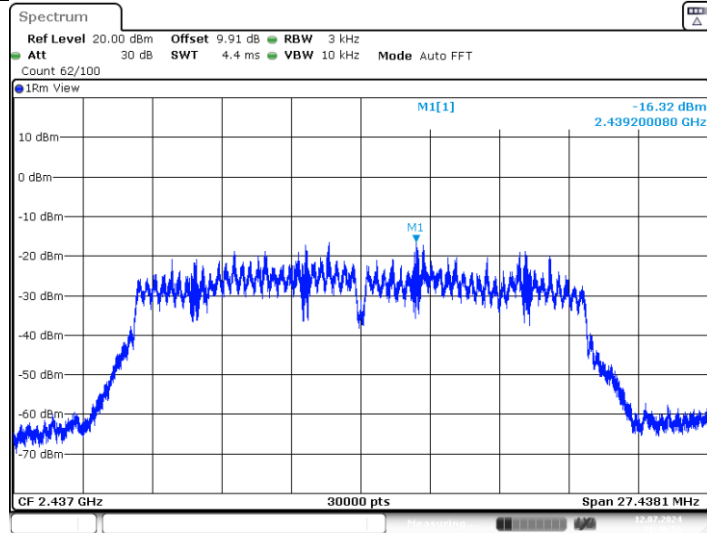
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11N20MIMO_Ant1_2437

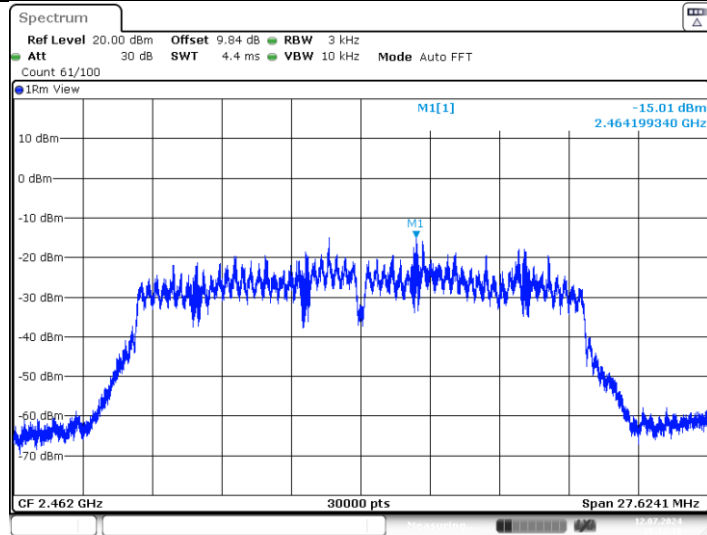


Date: 12.JUL.2024 18:10:36

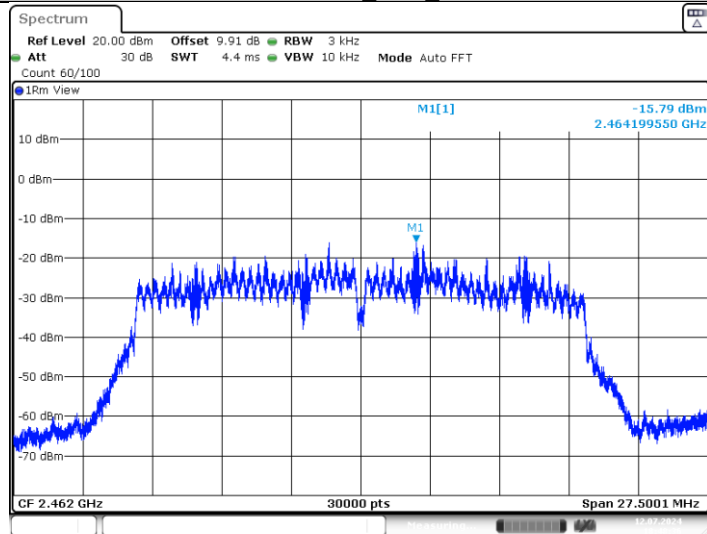
11N20MIMO_Ant2_2437



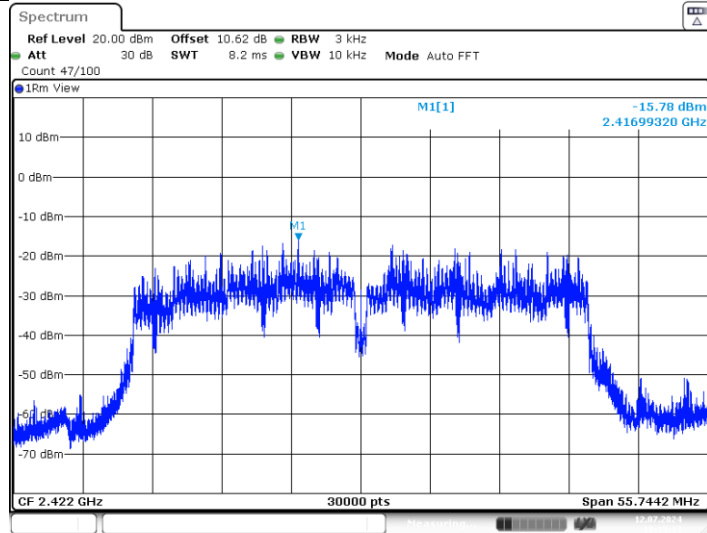
11N20MIMO_Ant1_2462



11N20MIMO_Ant2_2462

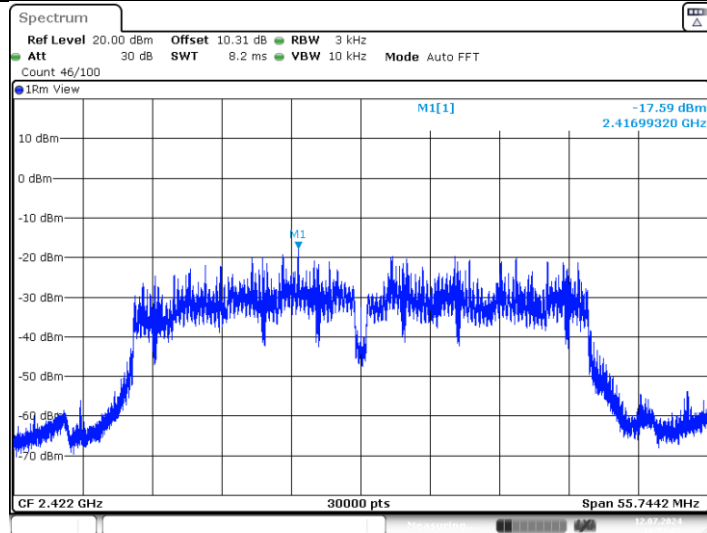


11N40MIMO_Ant1_2422



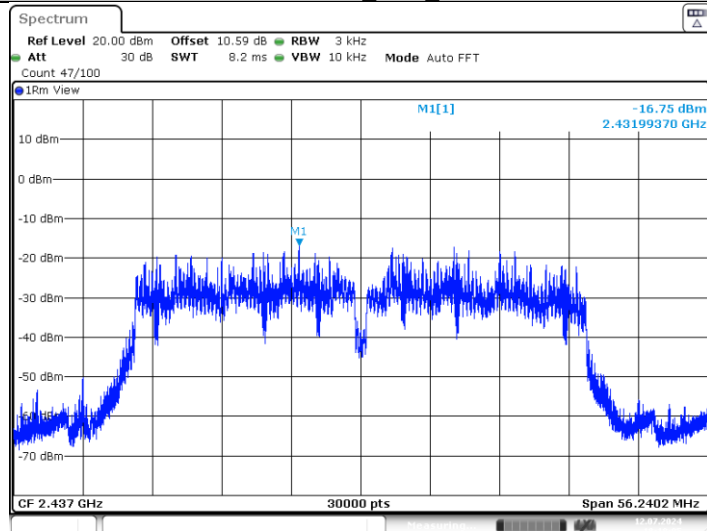
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11N40MIMO_Ant2_2422



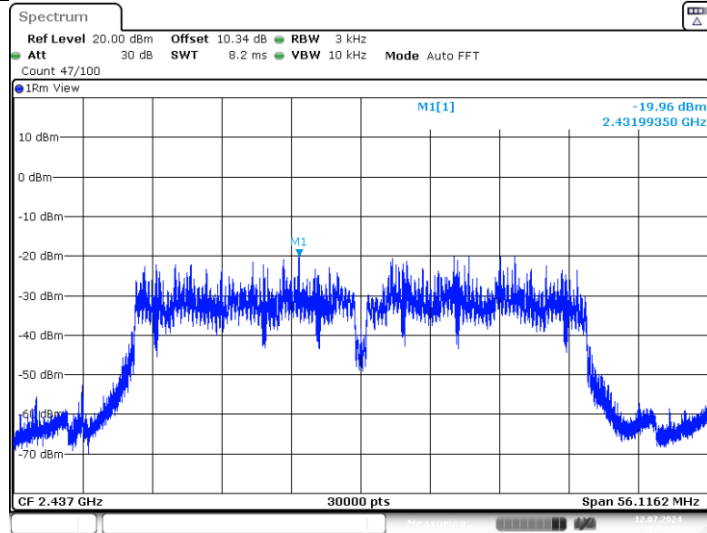
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11N40MIMO_Ant1_2437



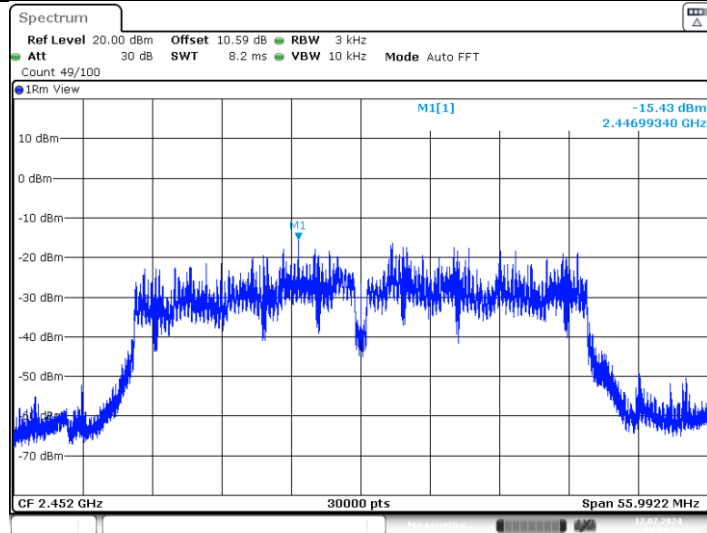
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11N40MIMO_Ant2_2437



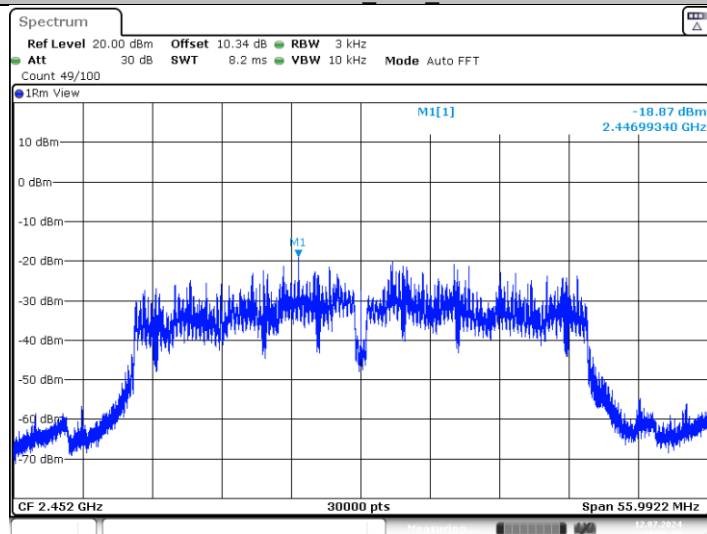
Date: 12.JUL.2024 18:54:55

11N40MIMO_Ant1_2452



Date: 12.JUL.2024 18:19:51

11N40MIMO_Ant2_2452



Date: 12.JUL.2024 18:56:40

End of Test Report