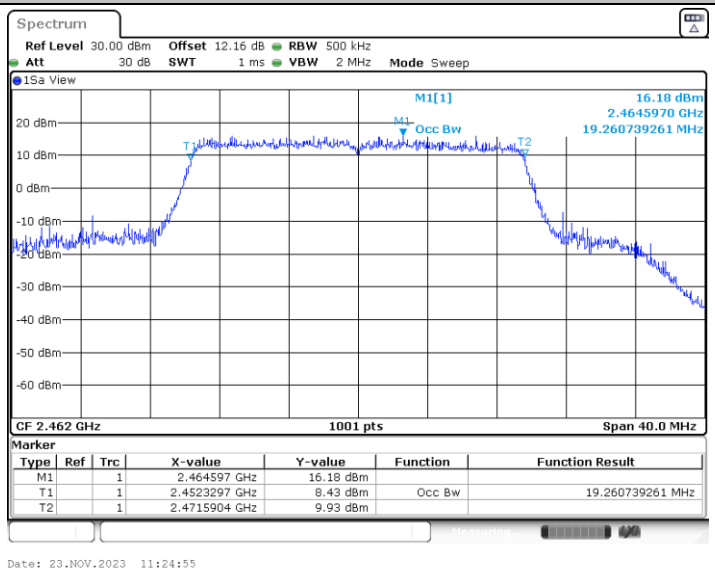
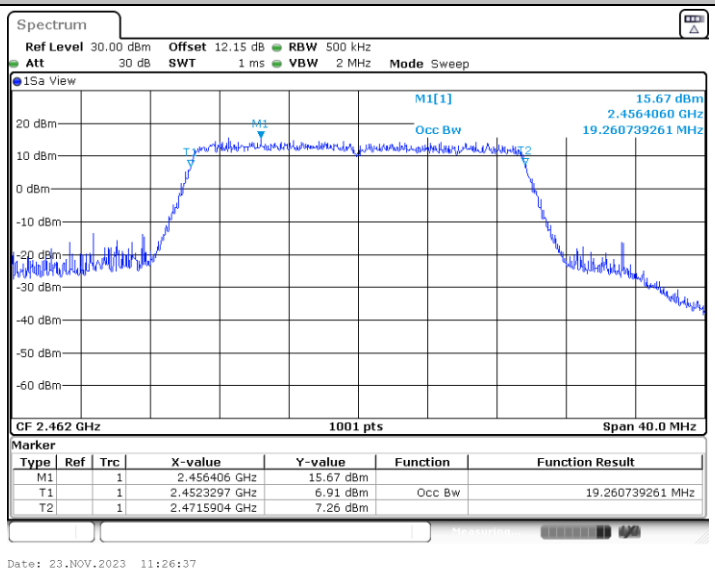
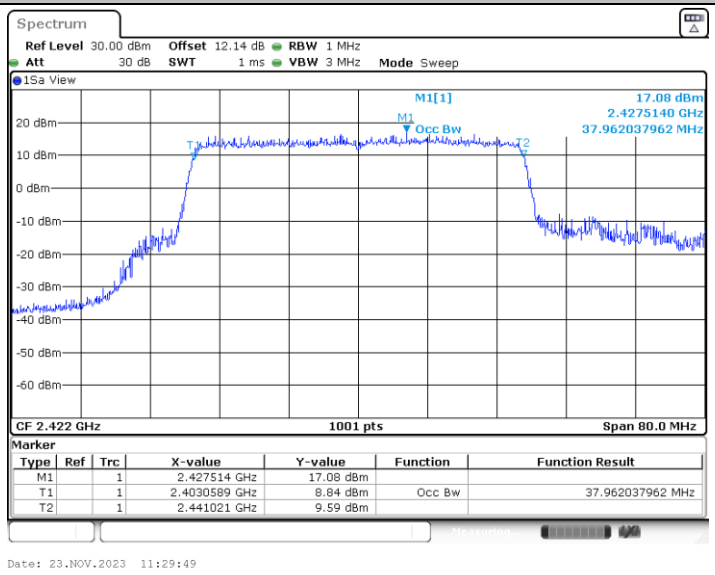
11AX20MIMO_Ant3_2462



11AX20MIMO_Ant4_2462



11AX40MIMO_Ant1_2422



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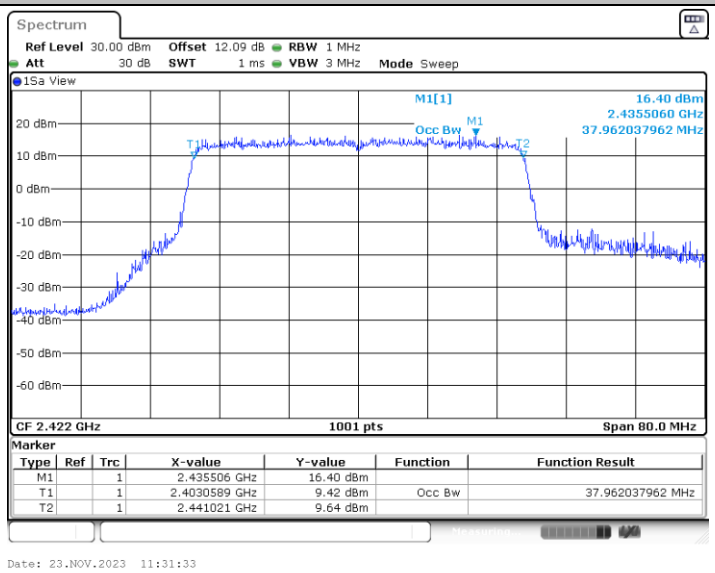

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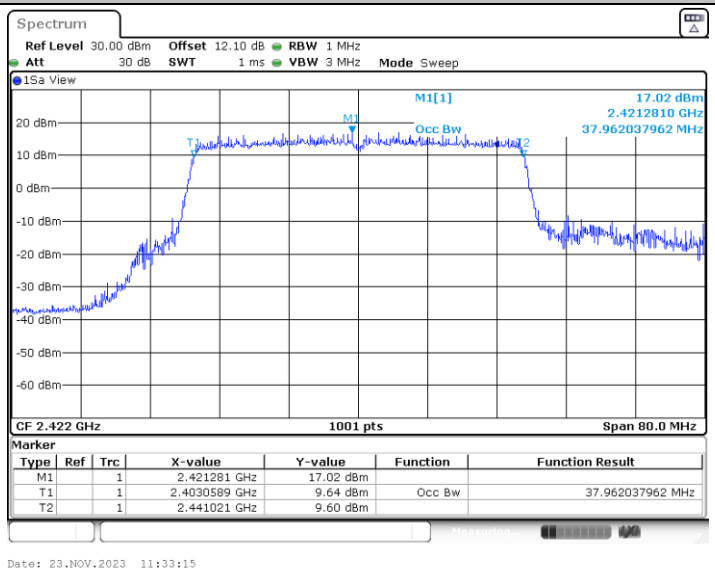

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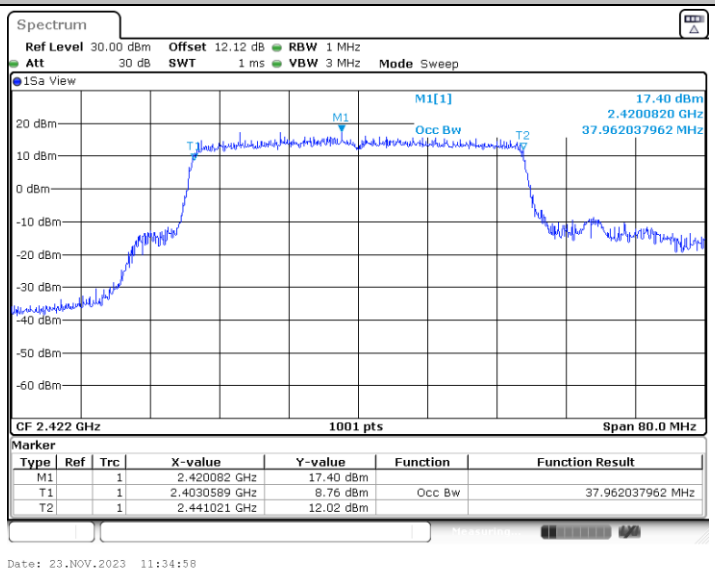

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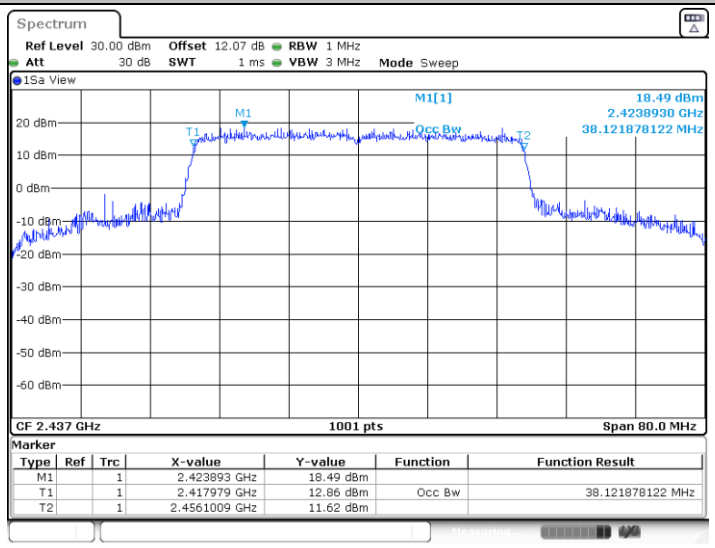

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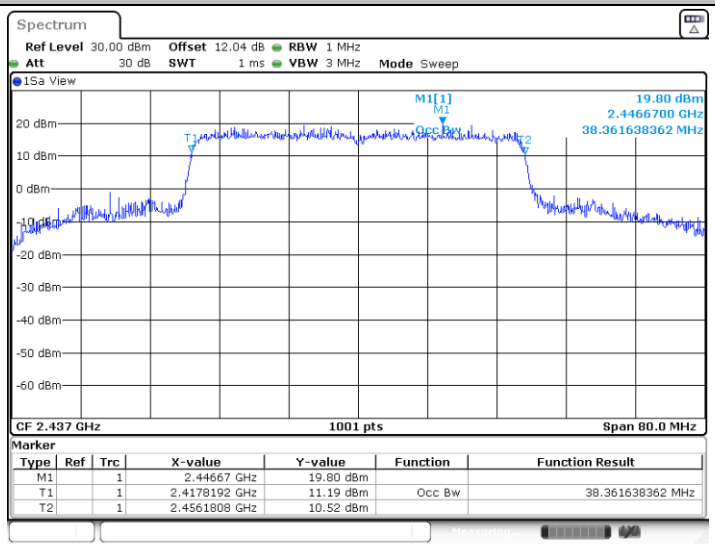

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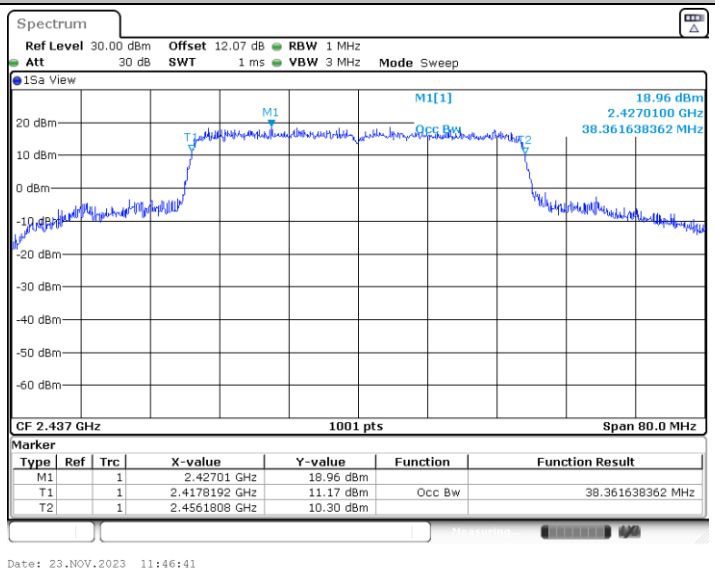

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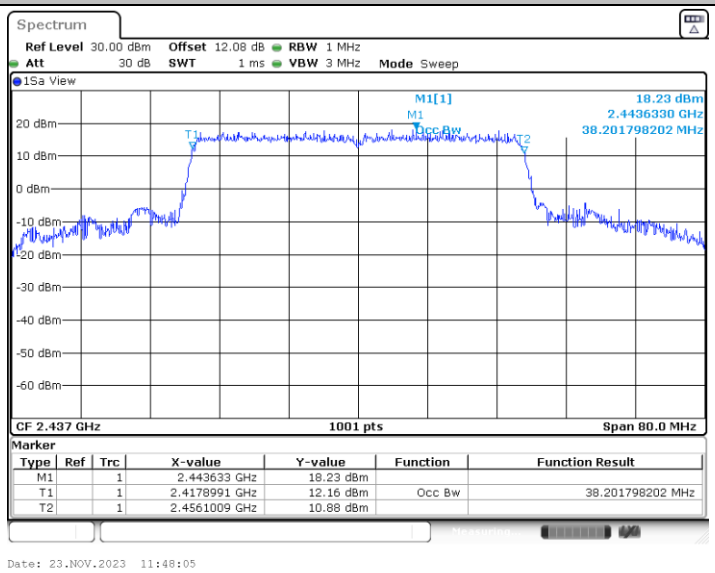
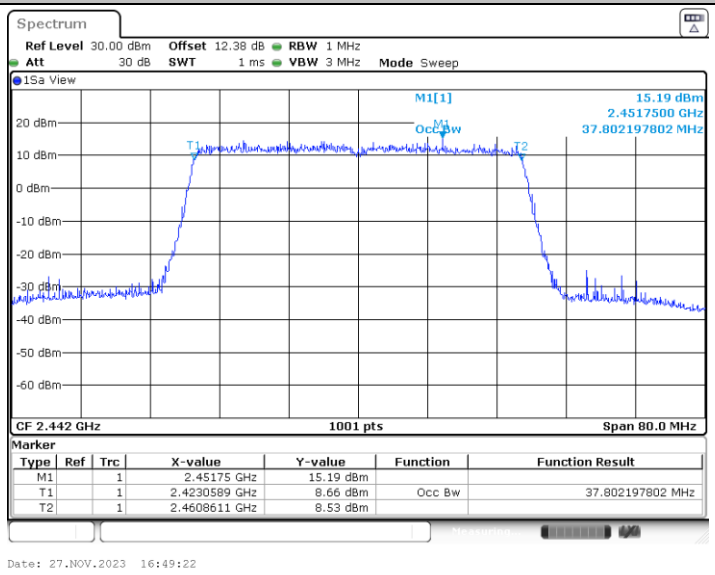


11AX40MIMO_Ant1_2442



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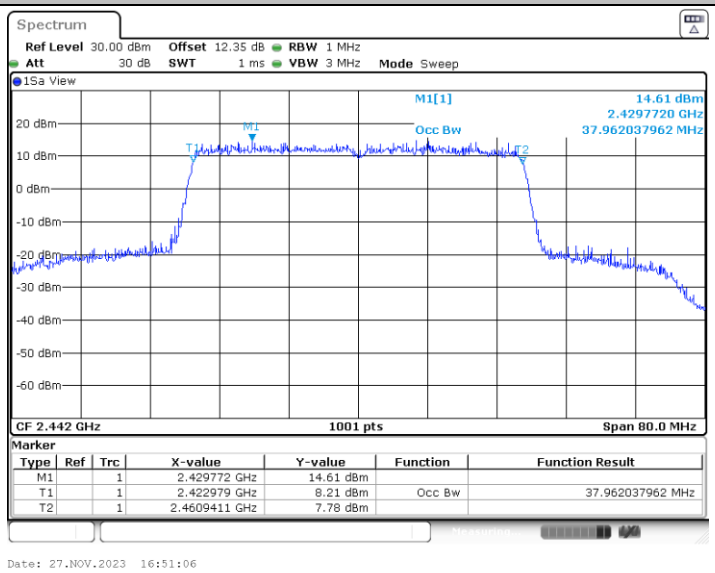

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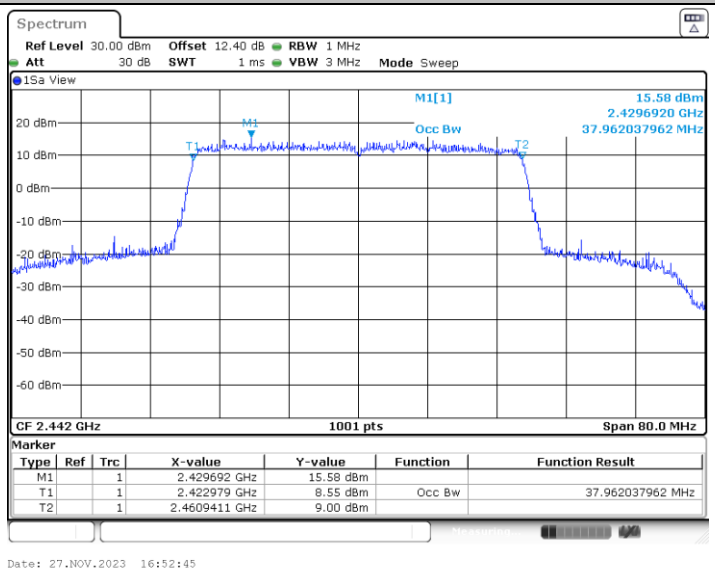

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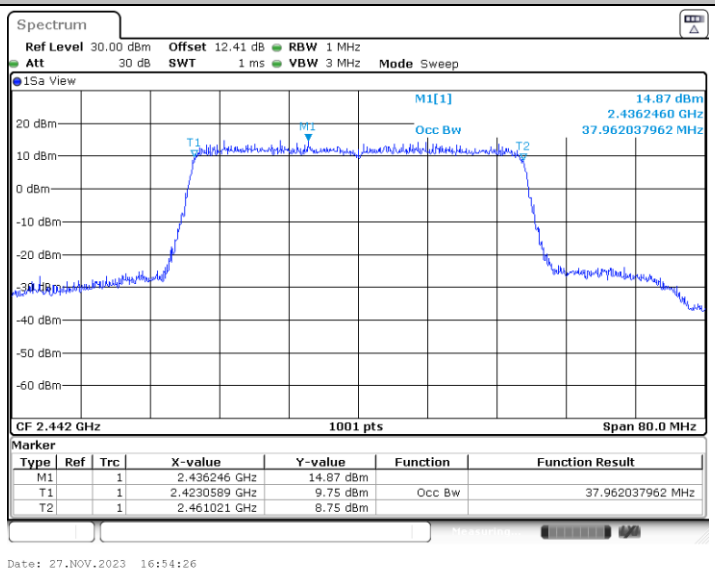
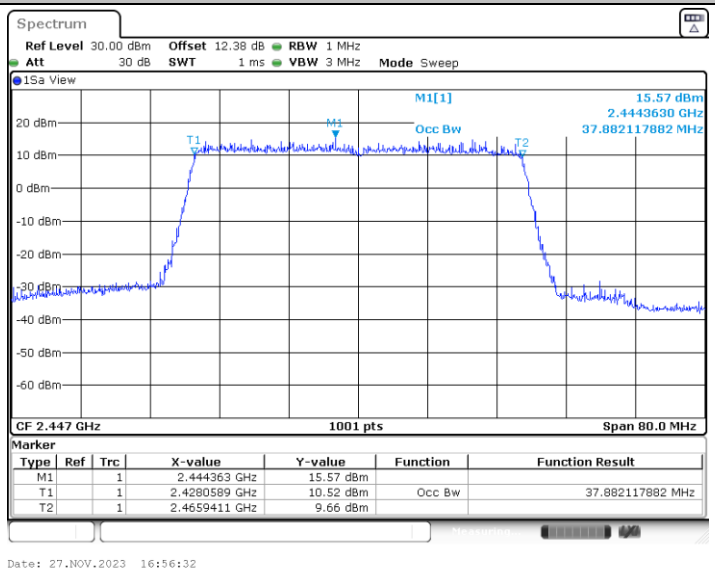


11AX40MIMO_Ant1_2447



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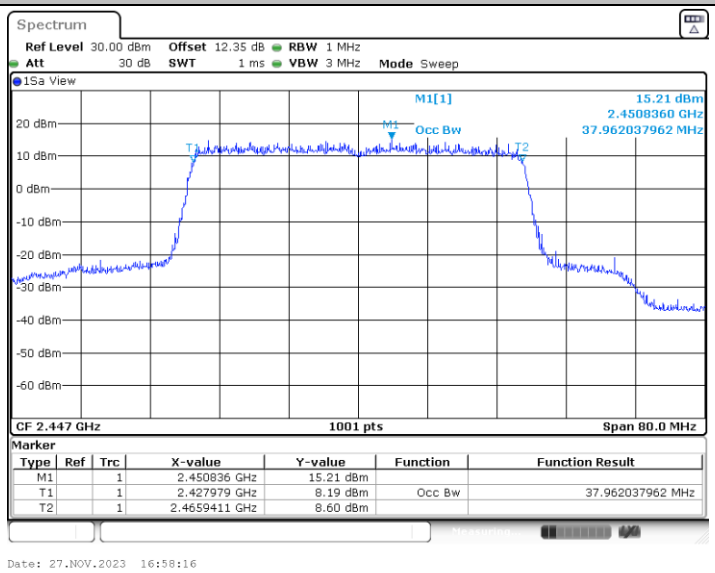

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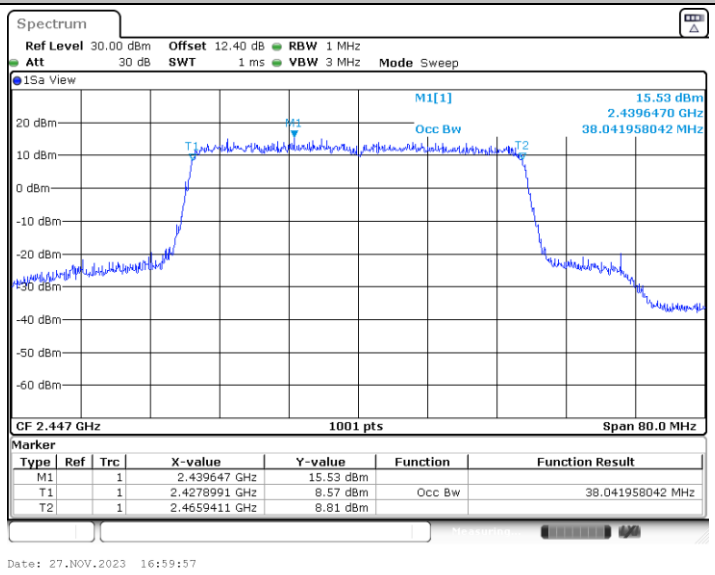

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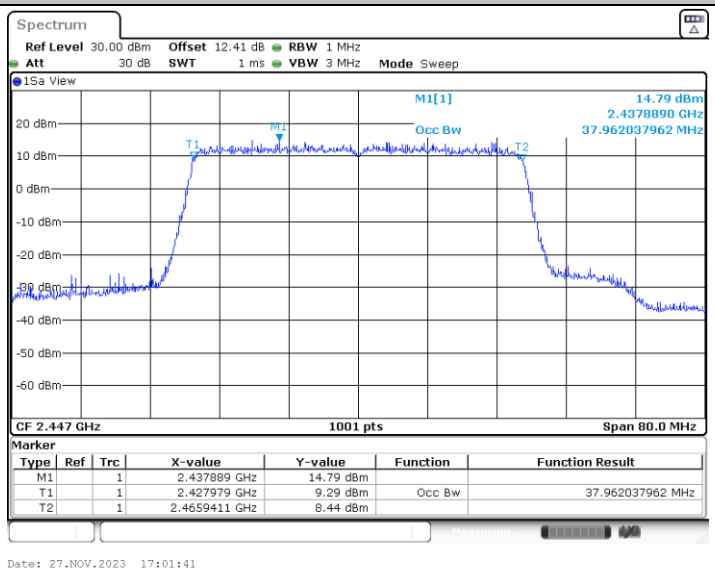
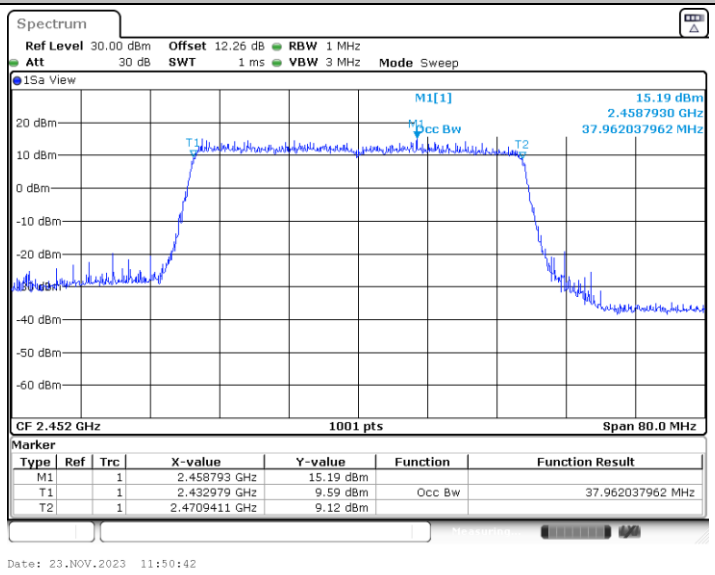


11AX40MIMO_Ant1_2452



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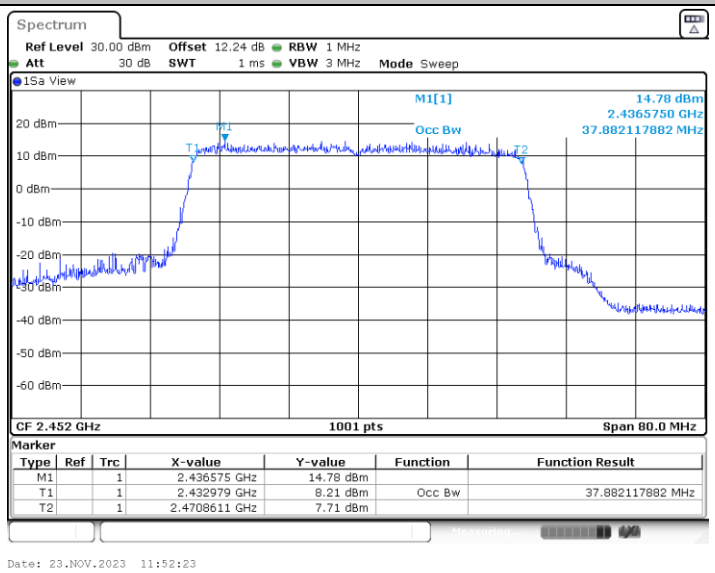

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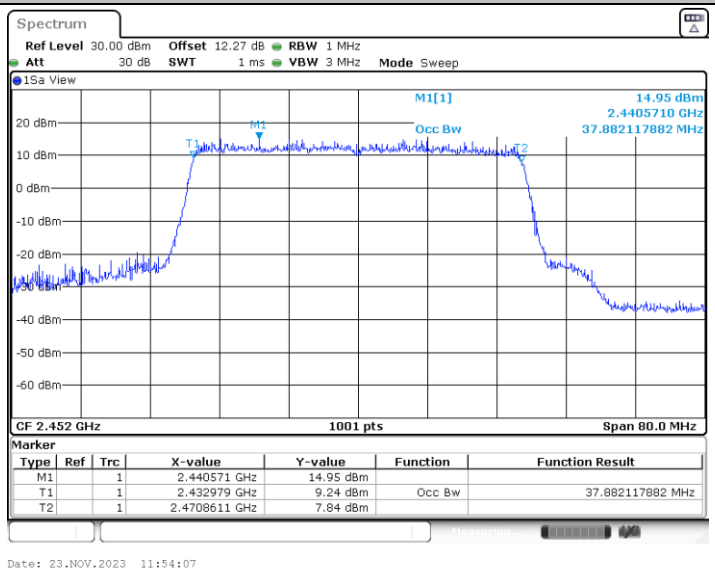

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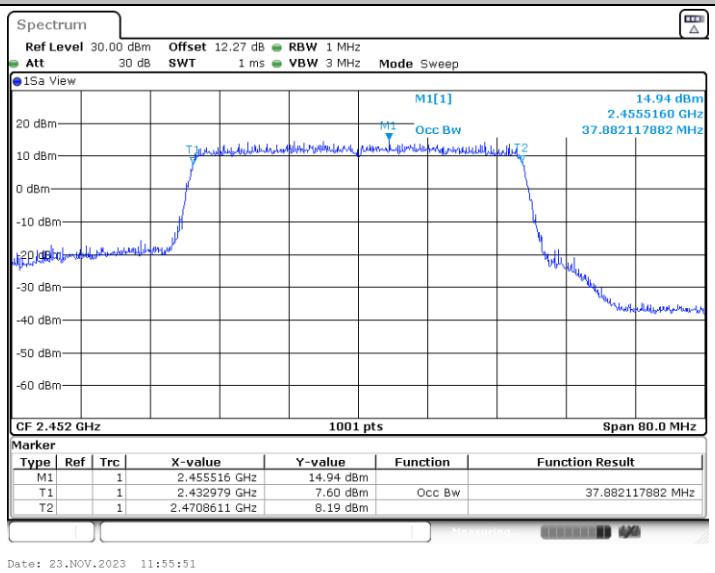


Maximum power spectral density

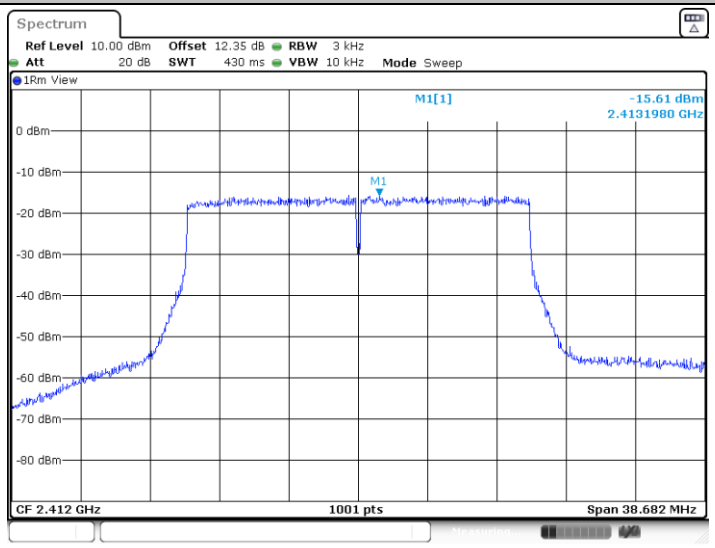
Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11AX20MIMO	Ant1	2412	-15.61	≤8.00	PASS
	Ant2	2412	-14.81	≤8.00	PASS
	Ant3	2412	-15.71	≤8.00	PASS
	Ant4	2412	-15.02	≤8.00	PASS
	total	2412	-9.25	≤8.00	PASS
	Ant1	2437	-13.24	≤8.00	PASS
	Ant2	2437	-13.25	≤8.00	PASS
	Ant3	2437	-13.09	≤8.00	PASS
	Ant4	2437	-13.48	≤8.00	PASS
	total	2437	-7.24	≤8.00	PASS
	Ant1	2462	-16.42	≤8.00	PASS
	Ant2	2462	-15.94	≤8.00	PASS
	Ant3	2462	-16.17	≤8.00	PASS
	Ant4	2462	-16.31	≤8.00	PASS
	total	2462	-10.19	≤8.00	PASS
11AX40MIMO	Ant1	2422	-17.39	≤8.00	PASS
	Ant2	2422	-18.33	≤8.00	PASS
	Ant3	2422	-17.89	≤8.00	PASS
	Ant4	2422	-17.75	≤8.00	PASS
	total	2422	-11.81	≤8.00	PASS
	Ant1	2437	-16.80	≤8.00	PASS
	Ant2	2437	-16.68	≤8.00	PASS
	Ant3	2437	-16.56	≤8.00	PASS
	Ant4	2437	-16.86	≤8.00	PASS
	total	2437	-10.70	≤8.00	PASS
	Ant1	2442	-19.42	≤8.00	PASS
	Ant2	2442	-19.38	≤8.00	PASS
	Ant3	2442	-19.43	≤8.00	PASS
	Ant4	2442	-20.11	≤8.00	PASS
	total	2442	-13.55	≤8.00	PASS
	Ant1	2447	-19.73	≤8.00	PASS
	Ant2	2447	-20.01	≤8.00	PASS
	Ant3	2447	-20.08	≤8.00	PASS

	Ant4	2447	-20.20	≤8.00	PASS
	total	2447	-13.98	≤8.00	PASS
	Ant1	2452	-21.52	≤8.00	PASS
	Ant2	2452	-21.77	≤8.00	PASS
	Ant3	2452	-20.90	≤8.00	PASS
	Ant4	2452	-21.33	≤8.00	PASS
	total	2452	-15.35	≤8.00	PASS

Test Graphs

11AX20MIMO_Ant1_2412



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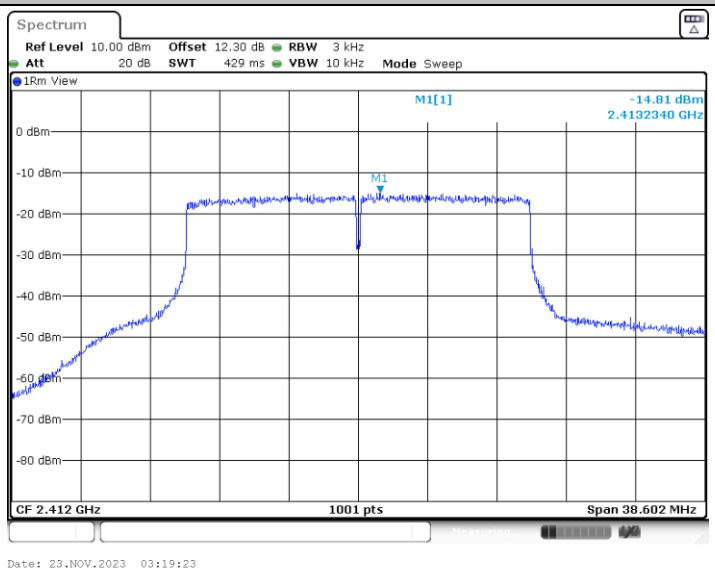
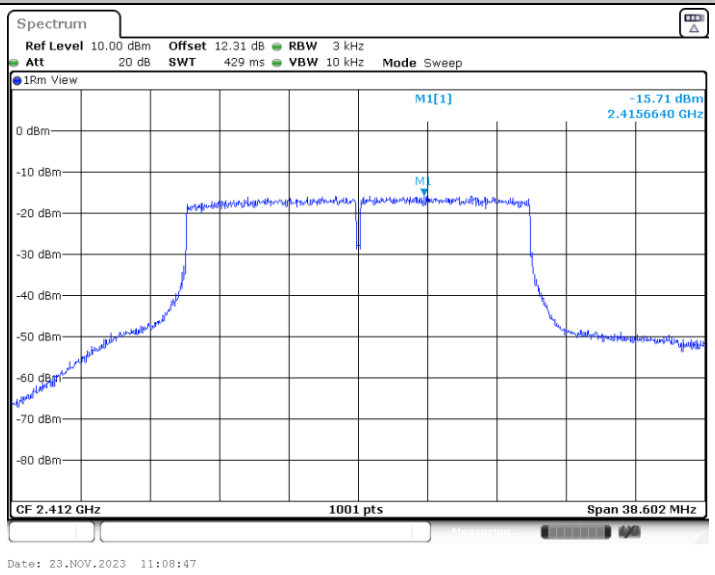
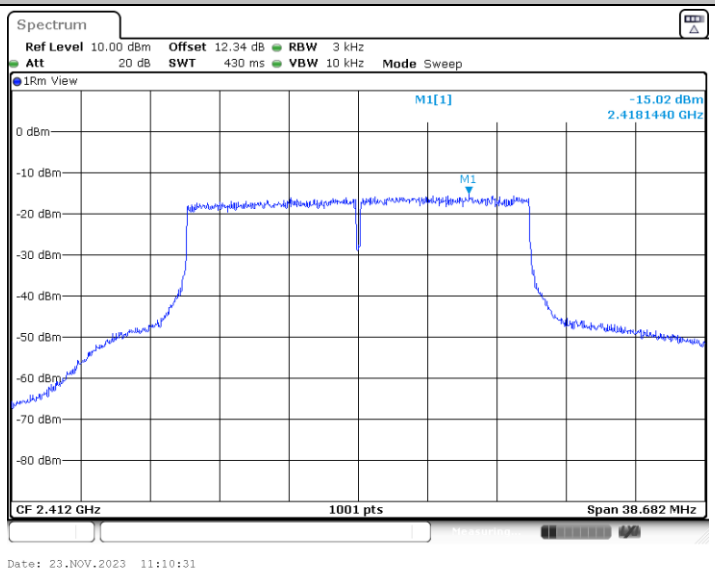


11AX20MIMO_Ant3_2412



11AX20MIMO_Ant4_2412



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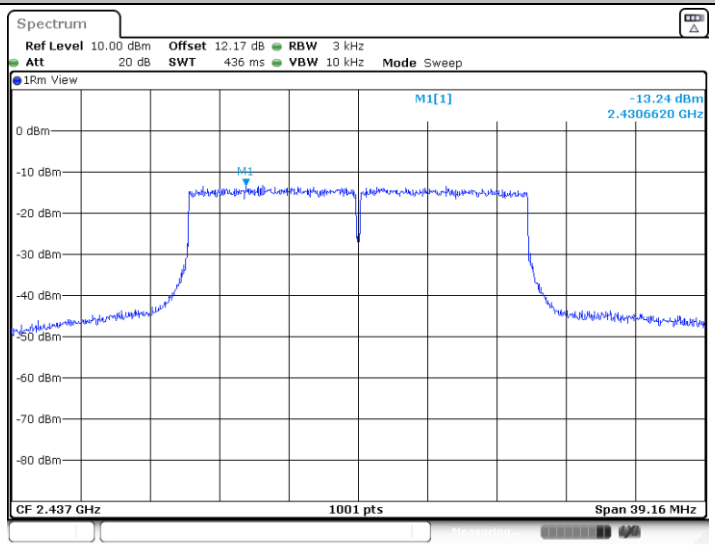

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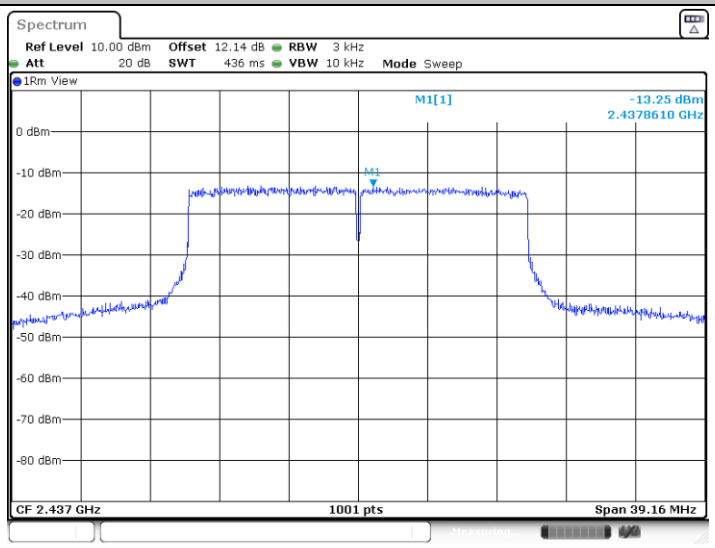

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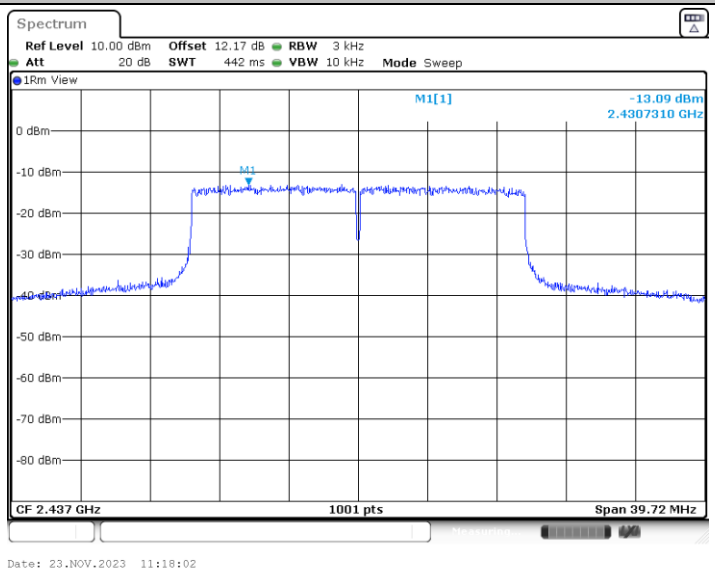

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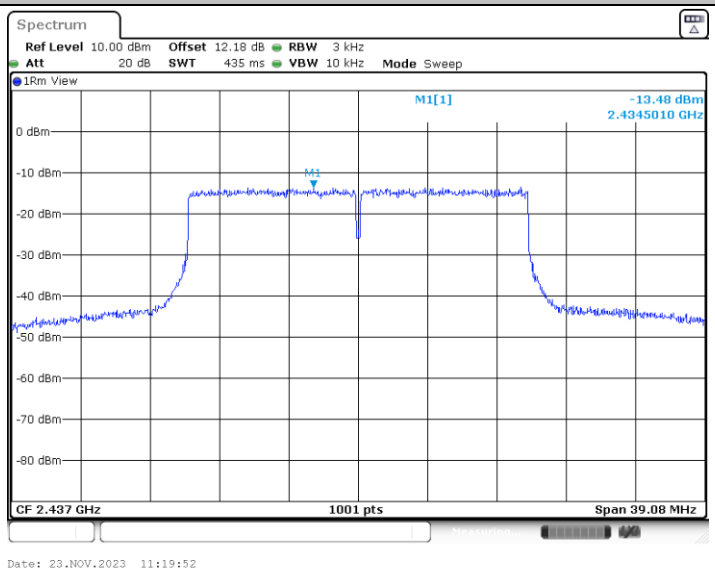

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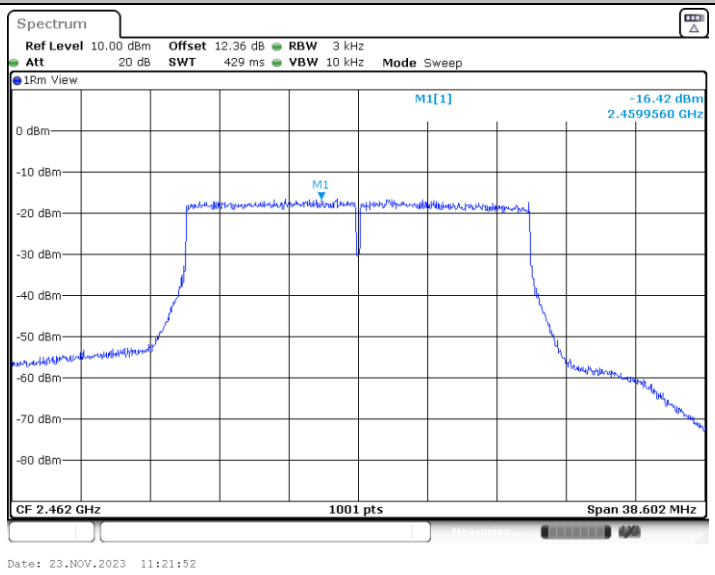

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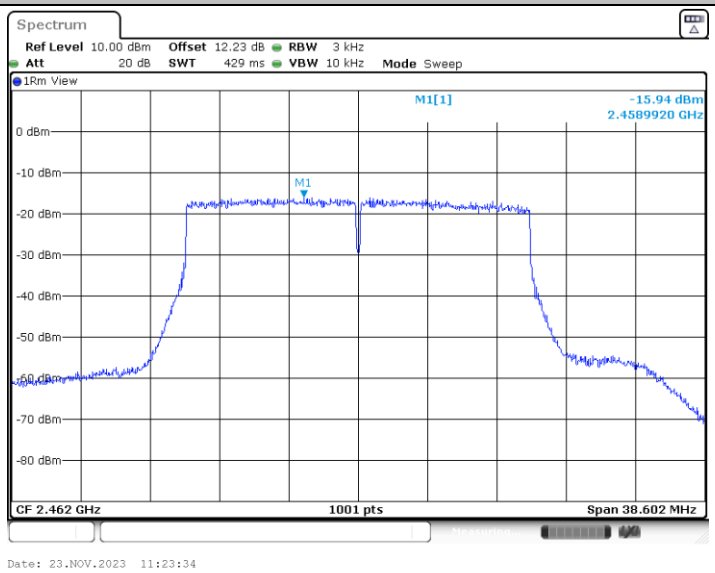

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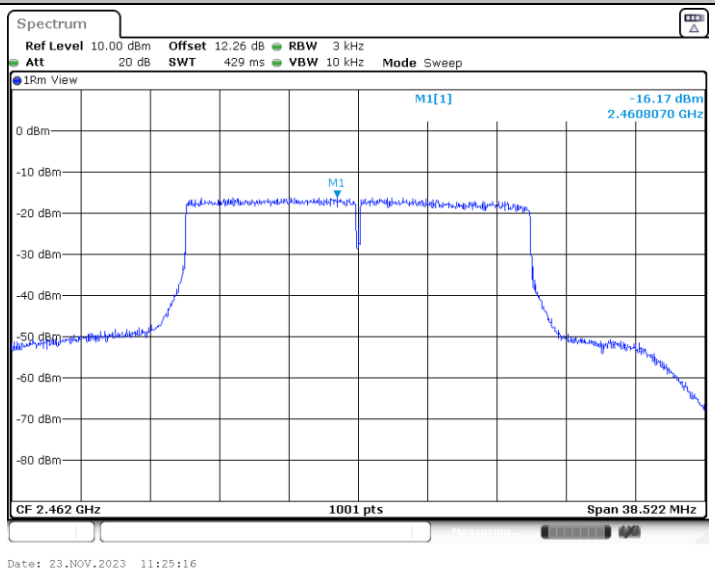
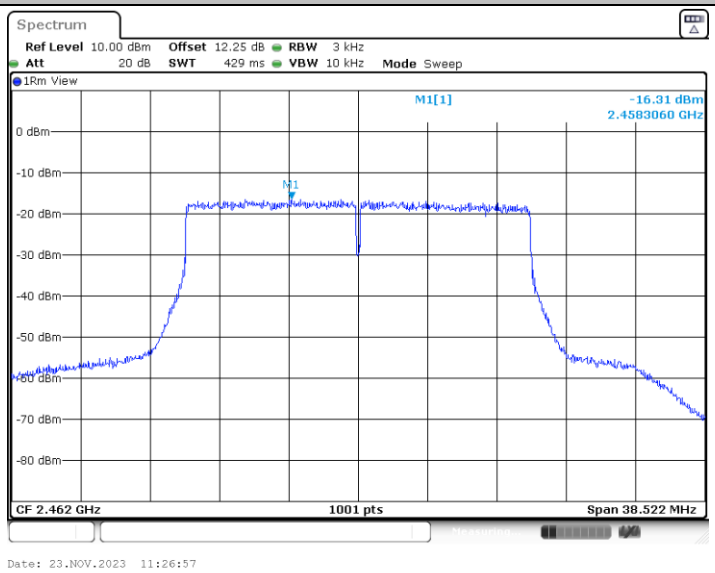
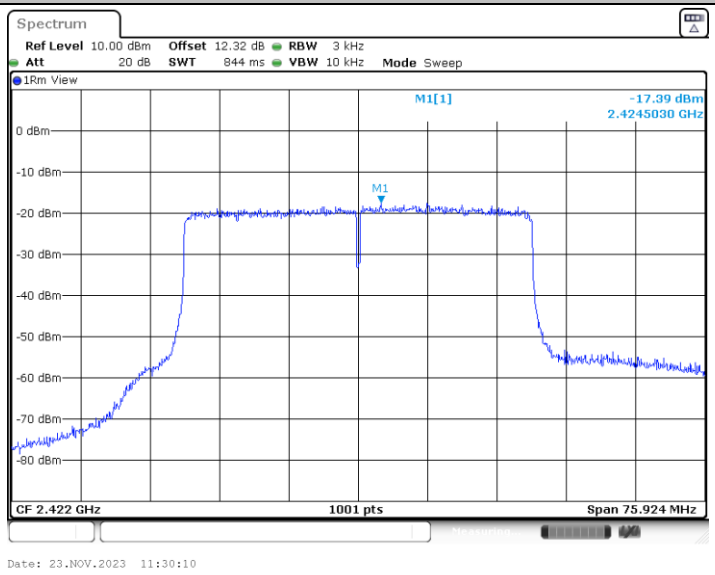


11AX20MIMO_Ant4_2462



11AX40MIMO_Ant1_2422



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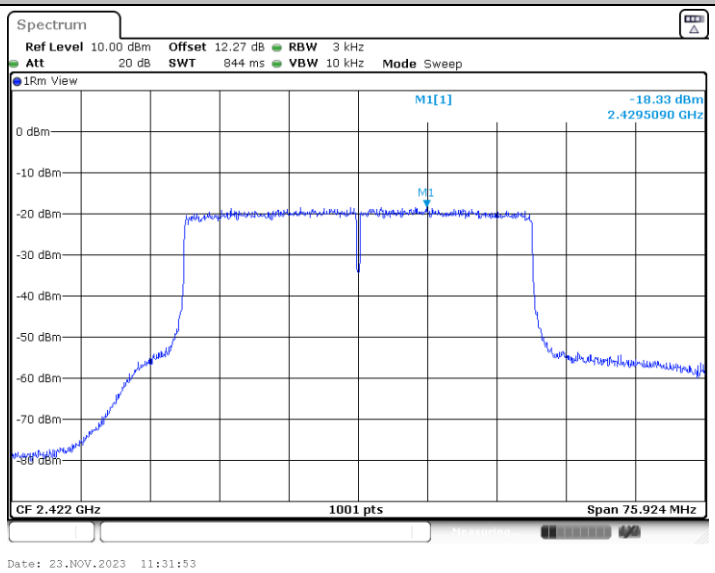

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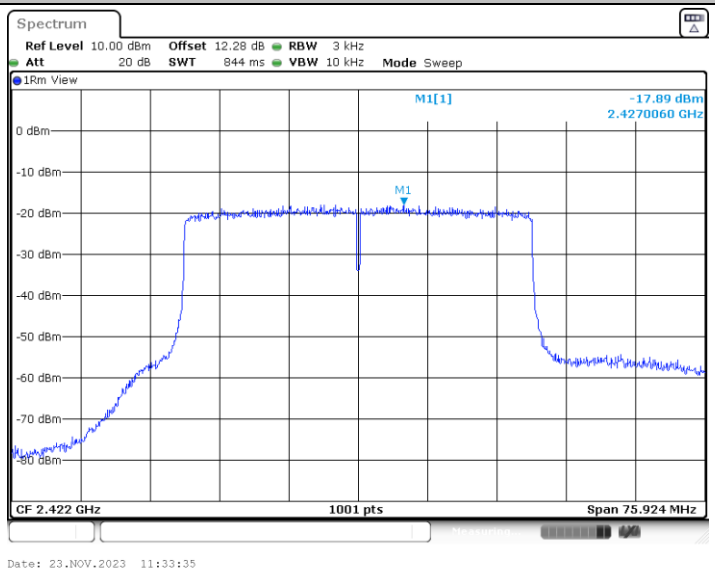

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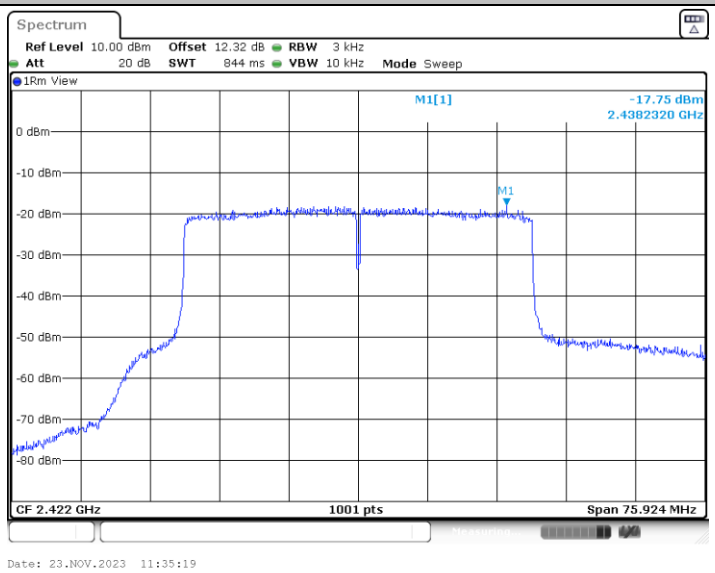

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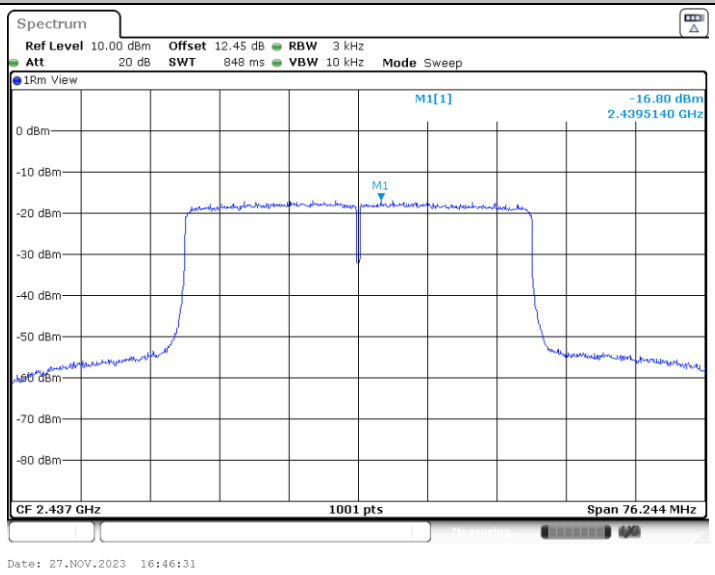

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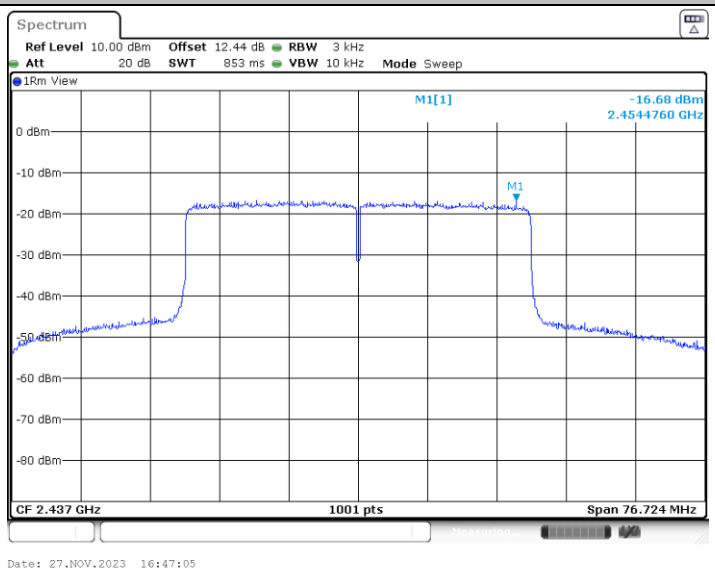

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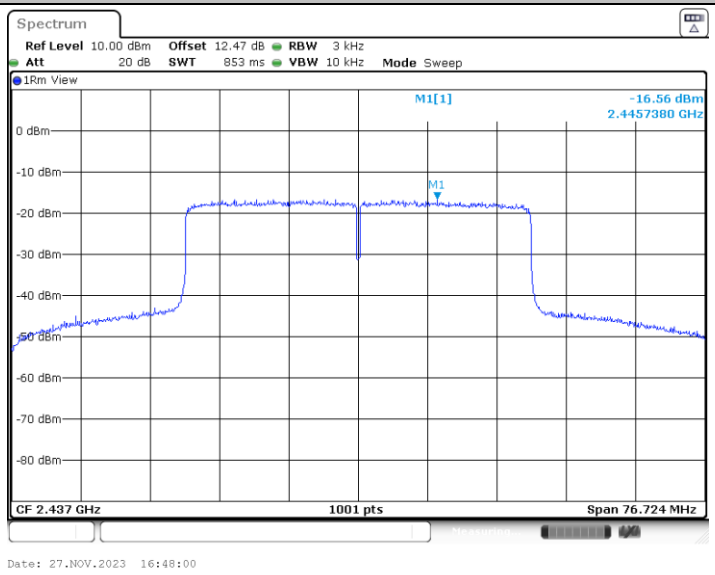

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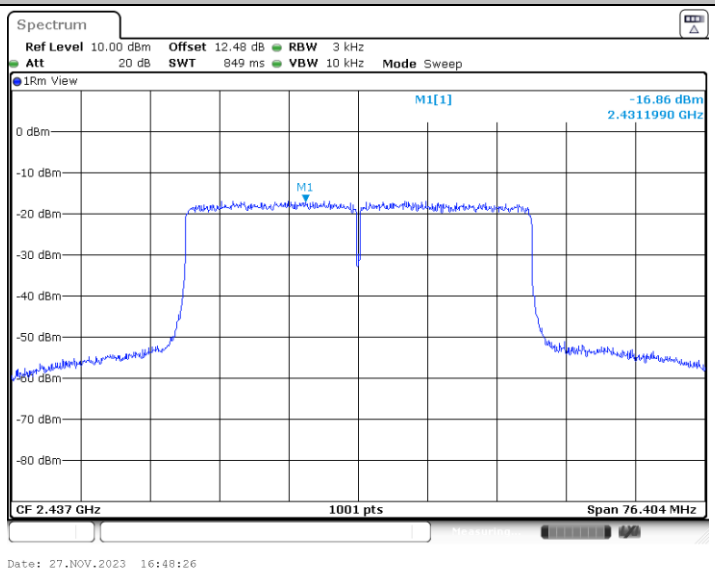

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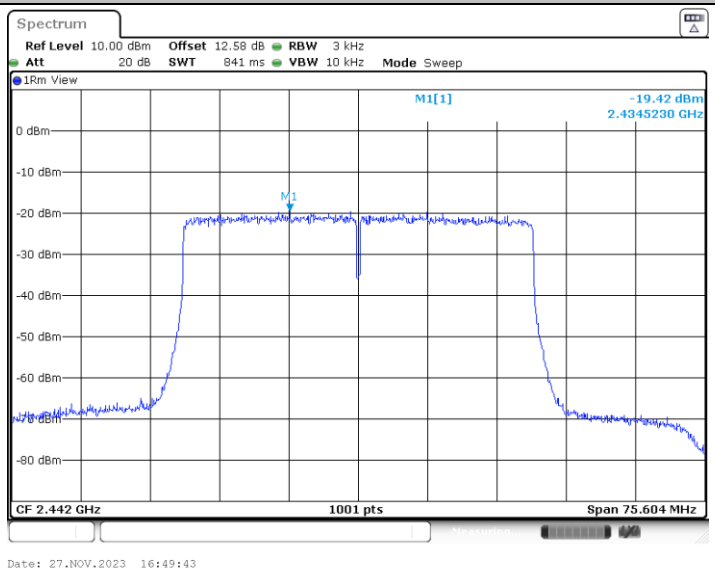

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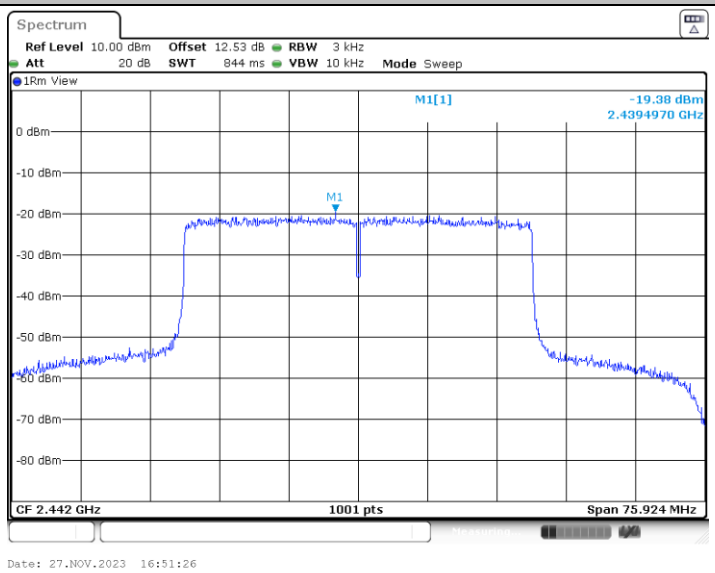

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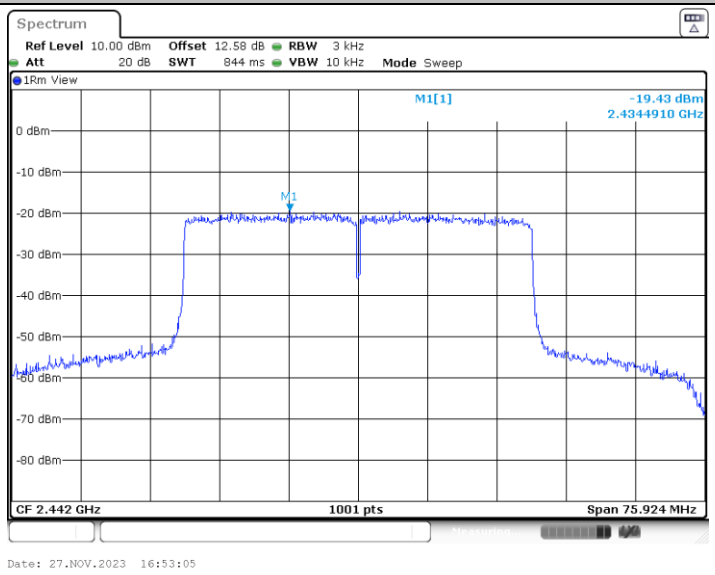

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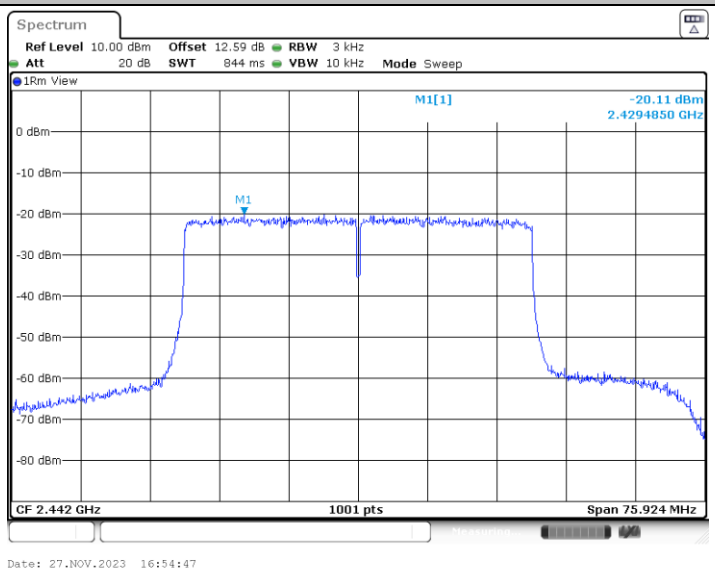

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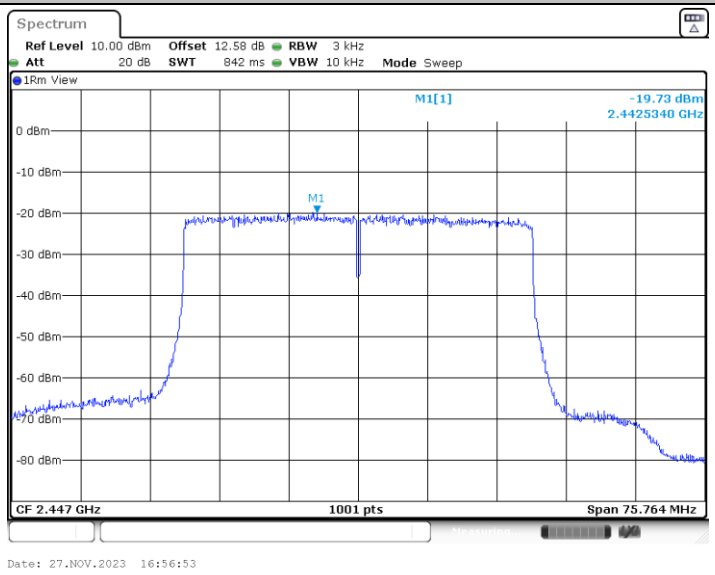
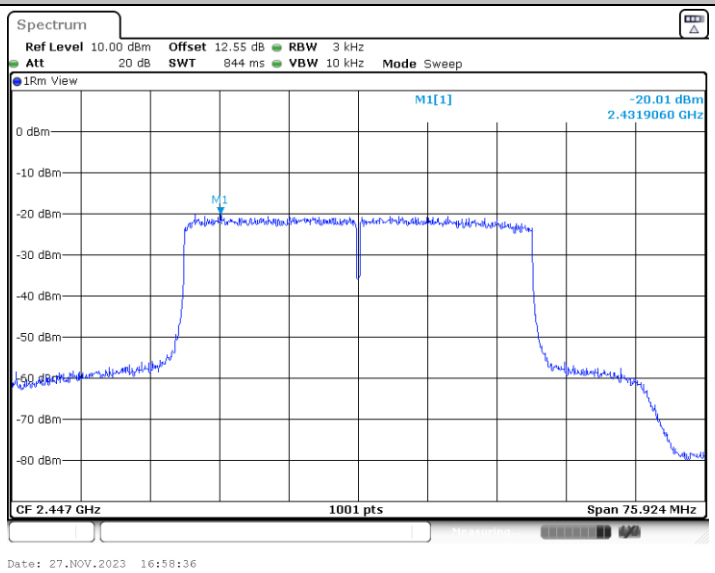
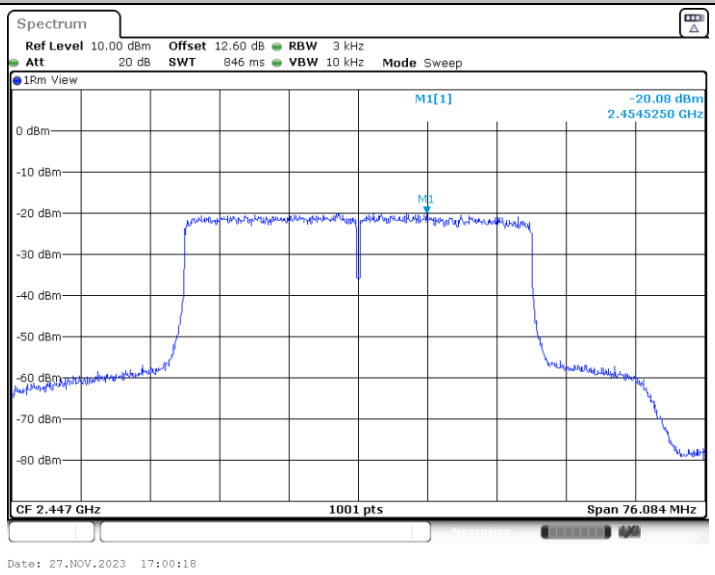


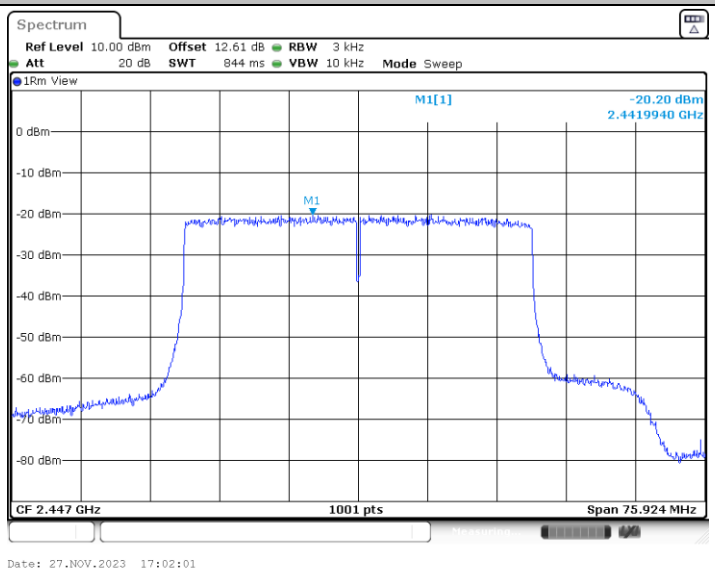
11AX40MIMO_Ant2_2447



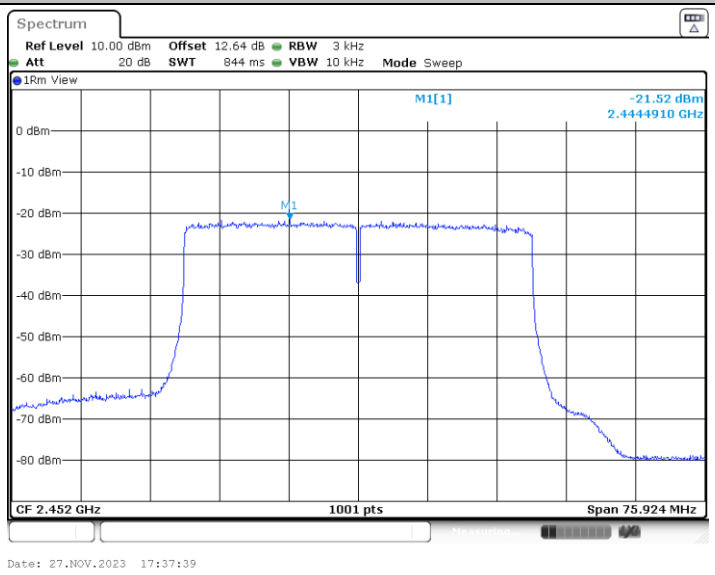
11AX40MIMO_Ant3_2447



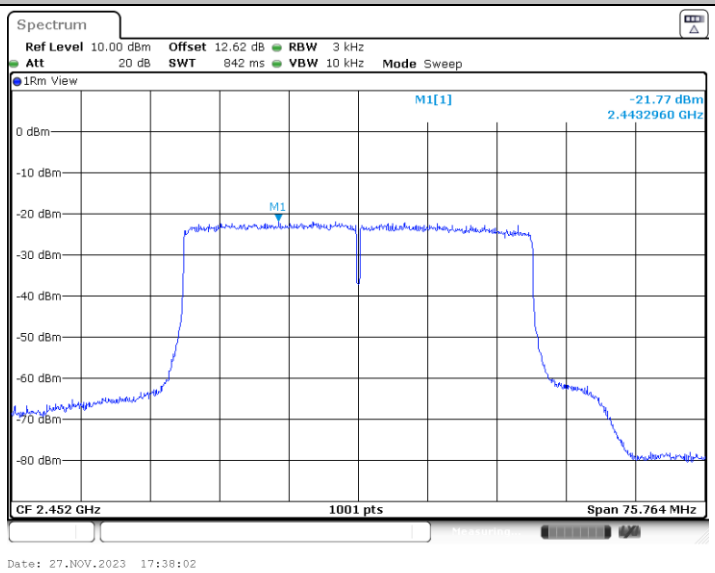
11AX40MIMO_Ant4_2447



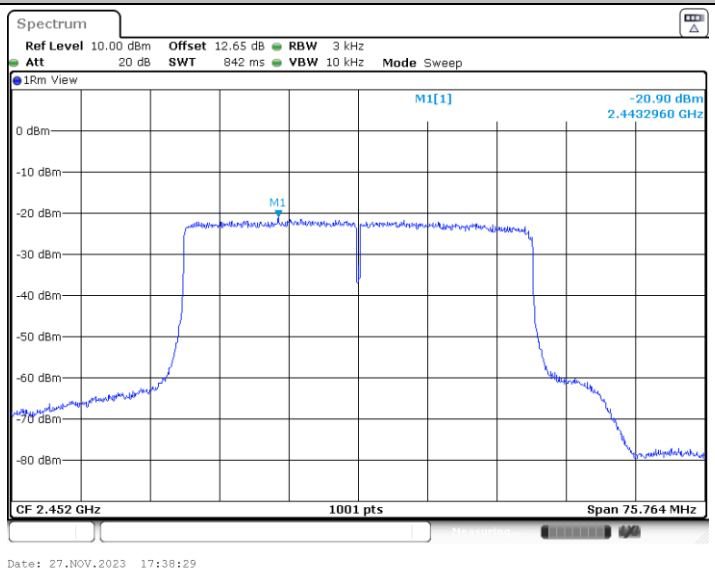
11AX40MIMO_Ant1_2452



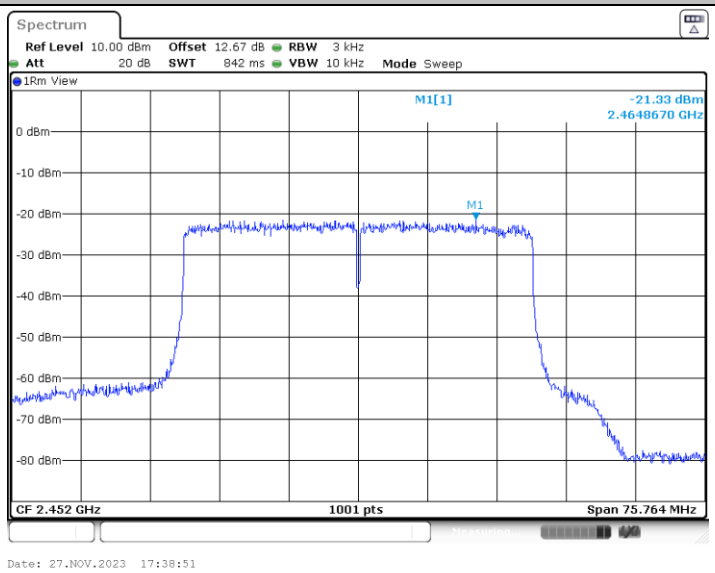
11AX40MIMO_Ant2_2452



11AX40MIMO_Ant3_2452



11AX40MIMO_Ant4_2452



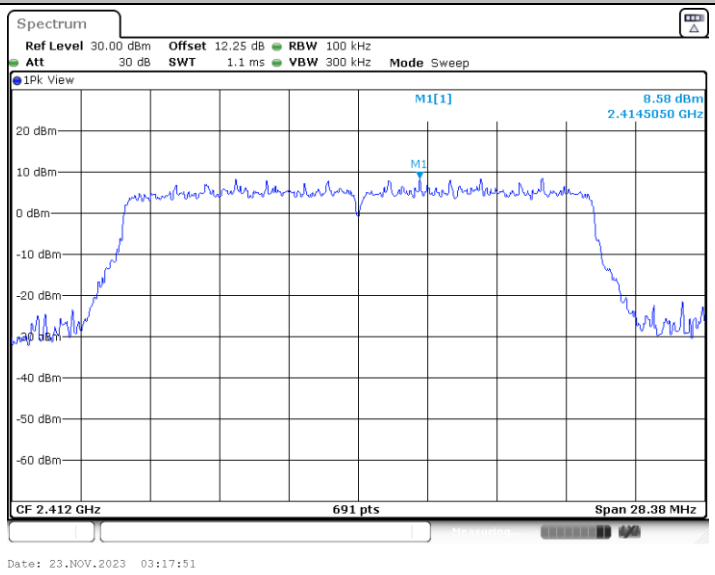
Reference level measurement

Test Result

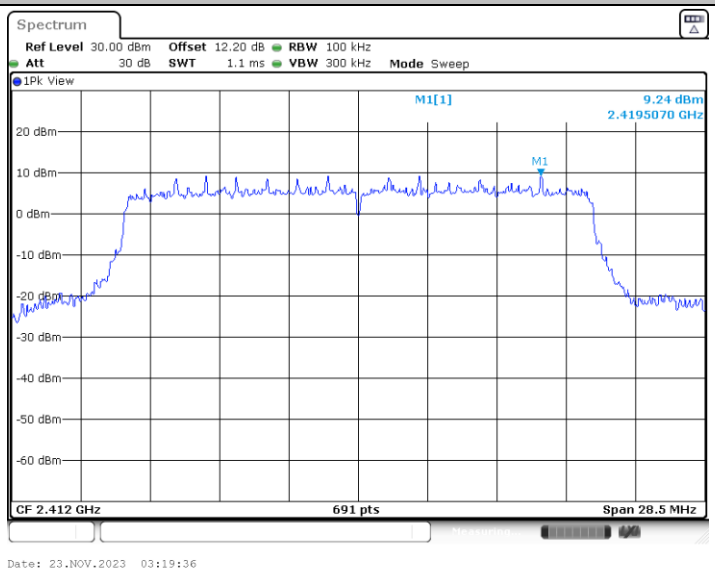
TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm/100KHz]
11AX20MIMO	Ant1	2412	2414.51	8.58
	Ant2	2412	2419.51	9.24
	Ant3	2412	2416.98	8.98
	Ant4	2412	2419.50	8.72
	Ant1	2437	2432.00	10.79
	Ant2	2437	2438.28	11.11
	Ant3	2437	2430.73	10.98
	Ant4	2437	2444.49	10.95
	Ant1	2462	2455.76	7.86
	Ant2	2462	2456.99	8.26
	Ant3	2462	2455.74	7.99
	Ant4	2462	2455.73	7.94
11AX40MIMO	Ant1	2422	2427.01	7.01
	Ant2	2422	2417.00	6.27
	Ant3	2422	2425.77	6.54
	Ant4	2422	2419.48	6.78
	Ant1	2437	2431.98	8.60
	Ant2	2437	2432.01	8.94
	Ant3	2437	2432.00	9.18
	Ant4	2437	2431.98	8.02
	Ant1	2442	2439.52	4.69
	Ant2	2442	2445.78	4.41
	Ant3	2442	2436.99	4.74
	Ant4	2442	2436.99	4.39
	Ant1	2447	2441.97	4.47
	Ant2	2447	2450.77	4.16
	Ant3	2447	2442.01	4.81
	Ant4	2447	2442.00	4.56
	Ant1	2452	2449.53	4.49
	Ant2	2452	2449.49	4.46
	Ant3	2452	2447.02	4.83
	Ant4	2452	2447.01	4.56

Test Graphs

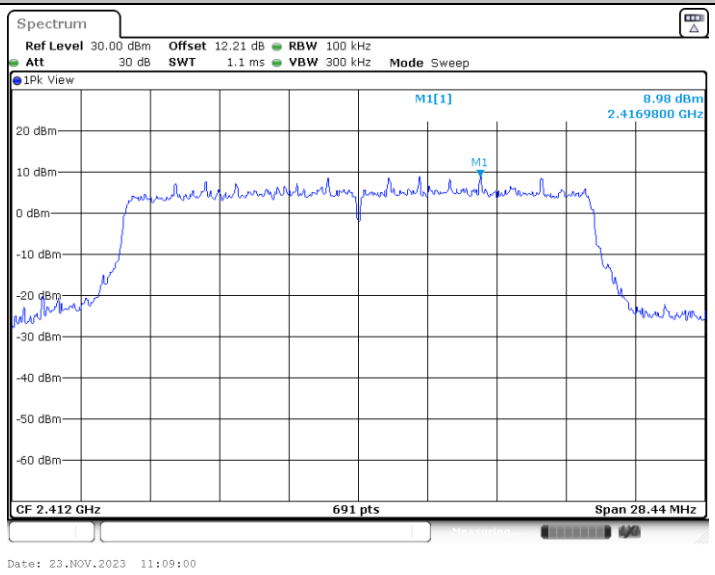
11AX20MIMO_Ant1_2412



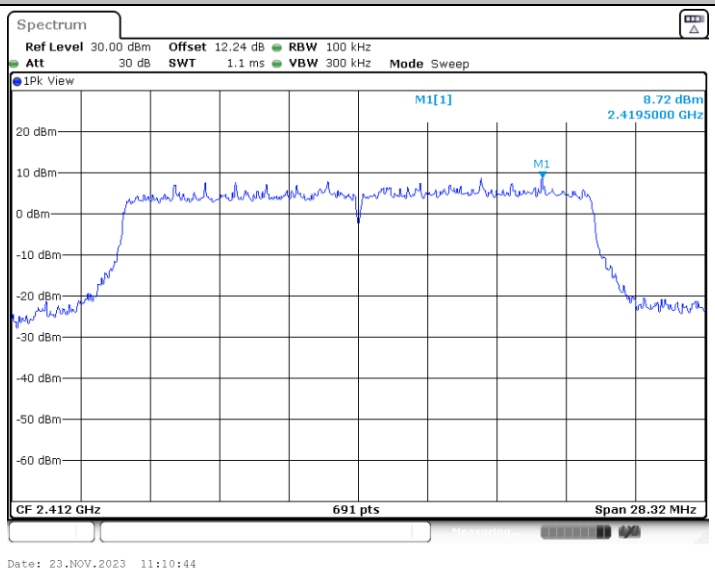
11AX20MIMO_Ant2_2412



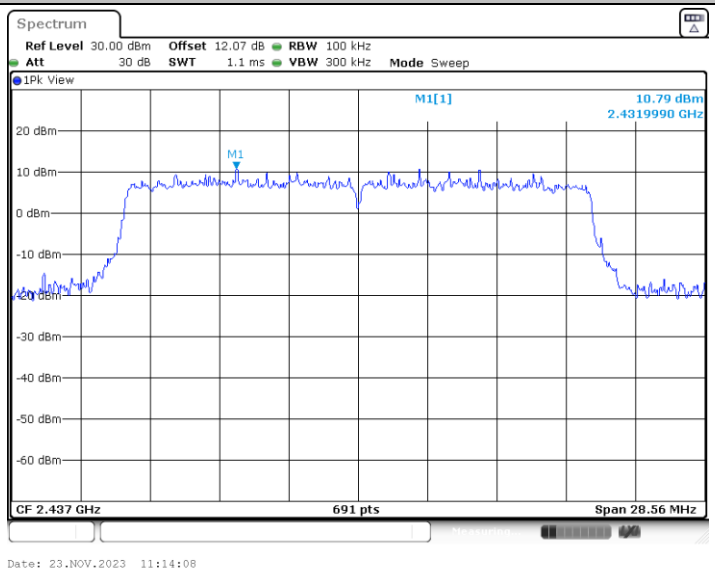
11AX20MIMO_Ant3_2412



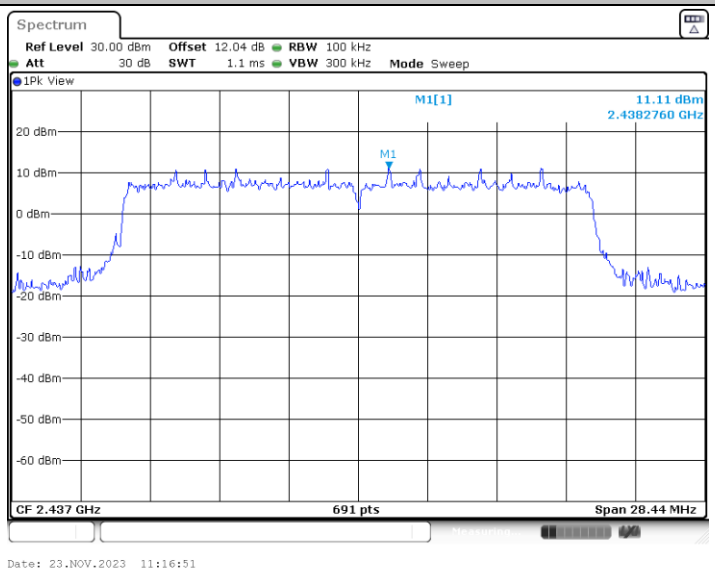
11AX20MIMO_Ant4_2412



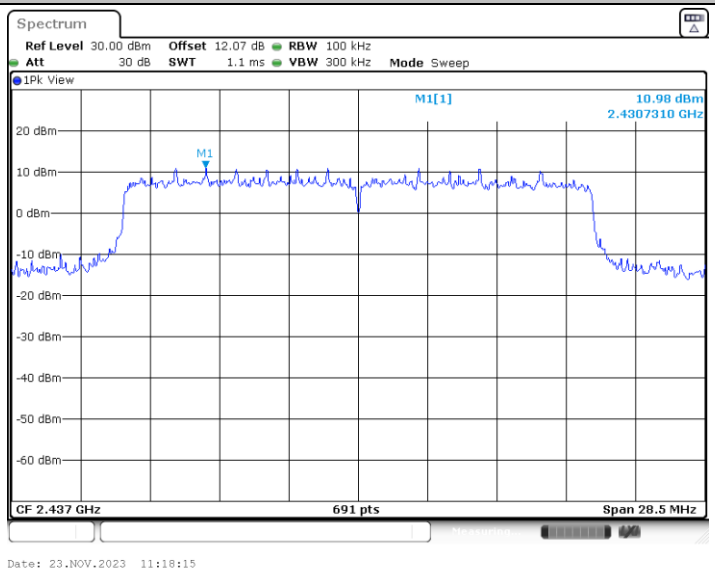
11AX20MIMO_Ant1_2437



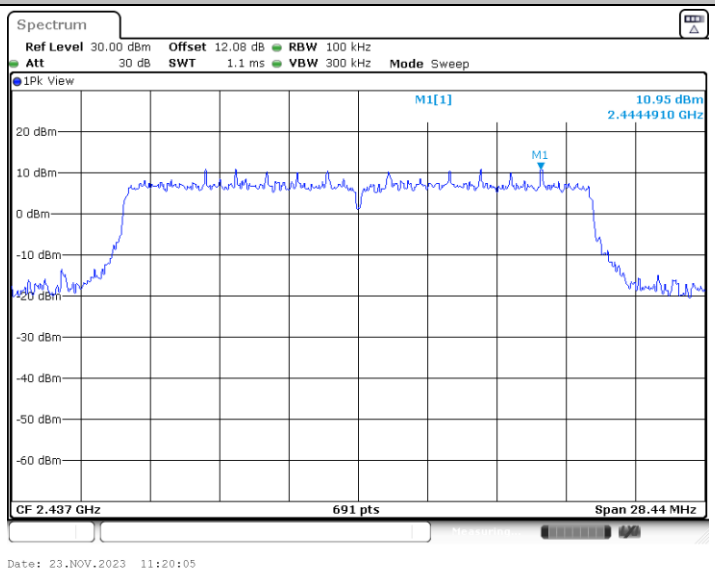
11AX20MIMO_Ant2_2437



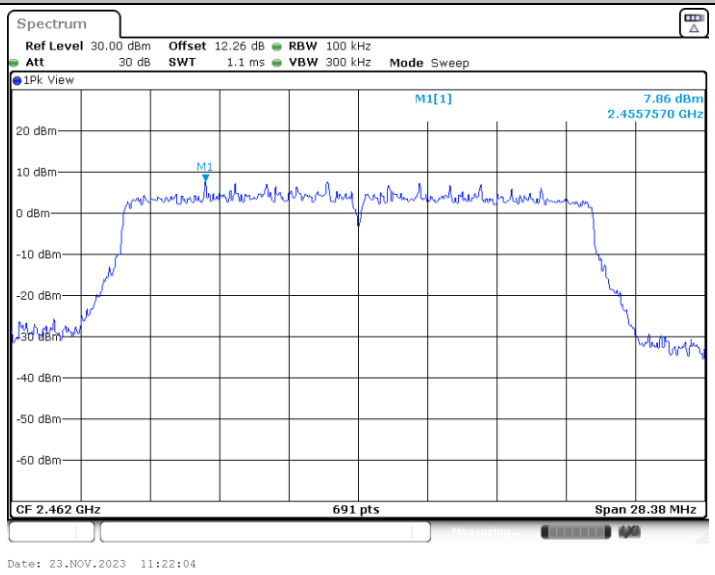
11AX20MIMO_Ant3_2437



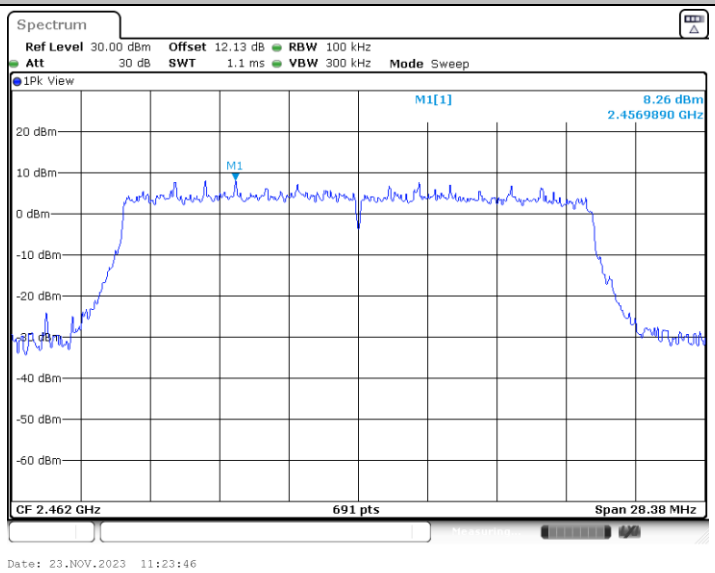
11AX20MIMO_Ant4_2437



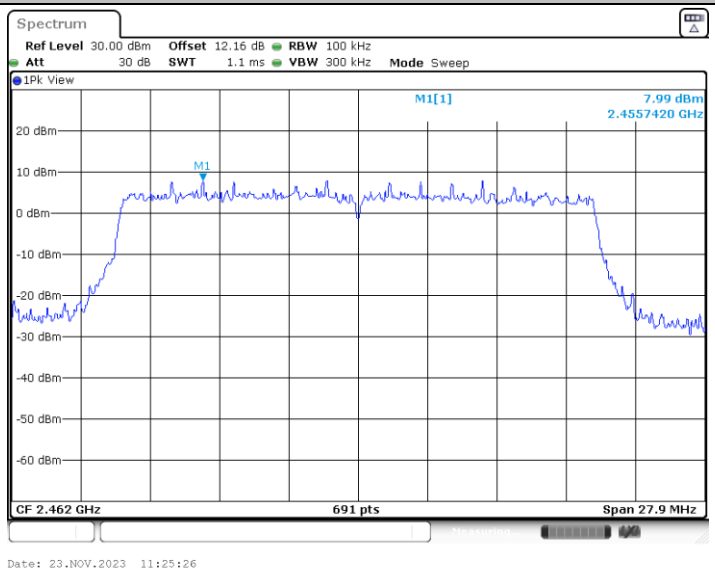
11AX20MIMO_Ant1_2462



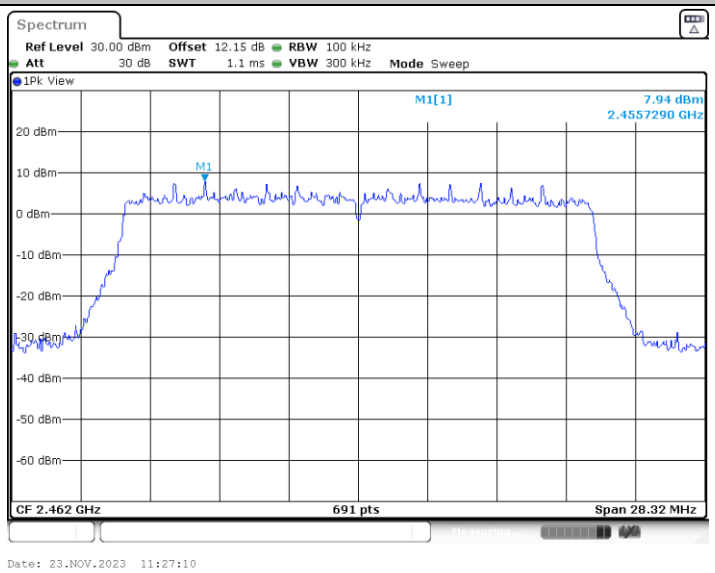
11AX20MIMO_Ant2_2462



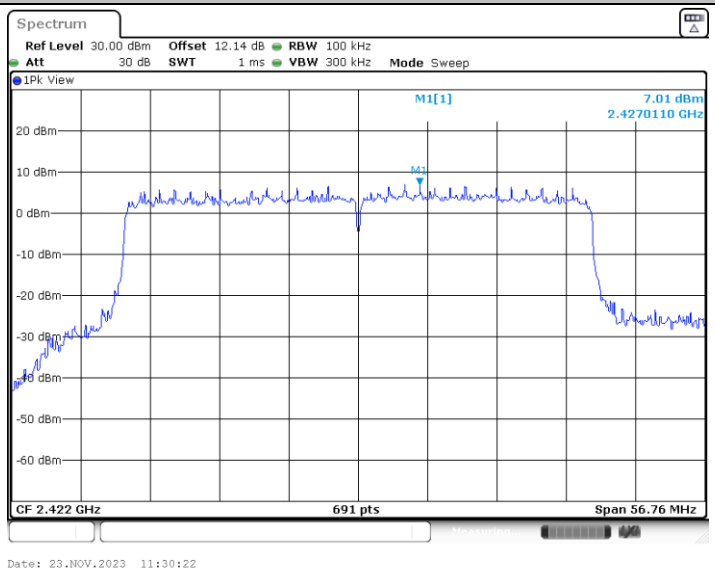
11AX20MIMO_Ant3_2462



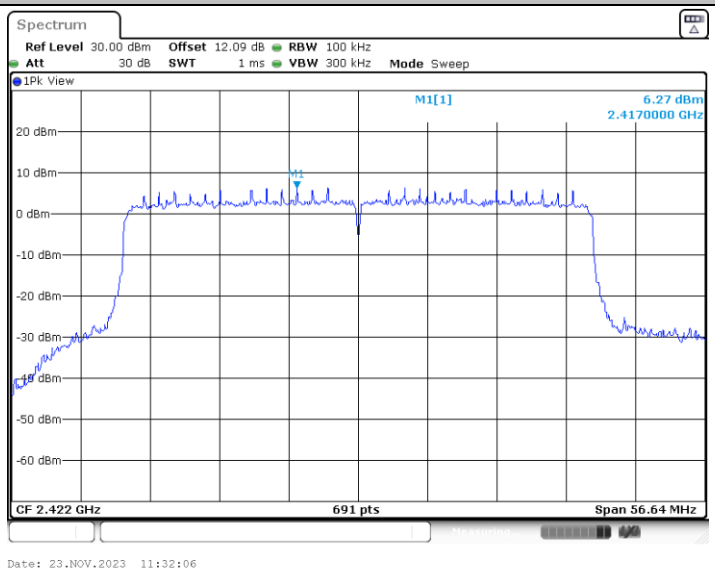
11AX20MIMO_Ant4_2462



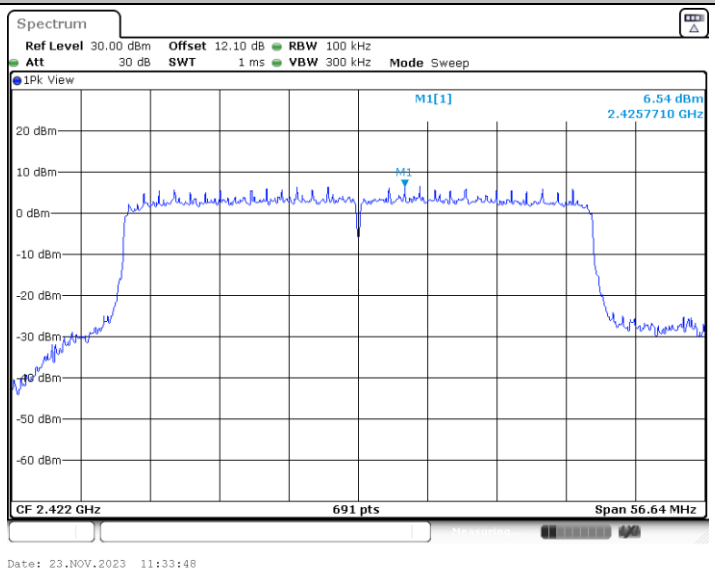
11AX40MIMO_Ant1_2422



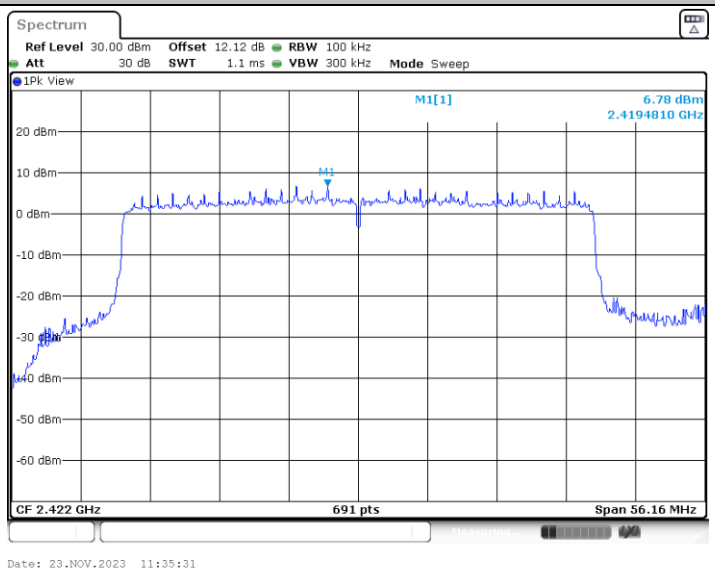
11AX40MIMO_Ant2_2422



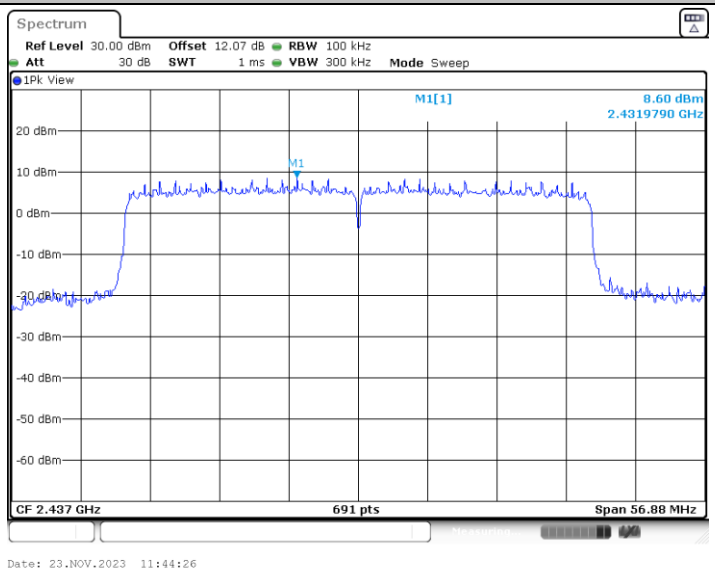
11AX40MIMO_Ant3_2422



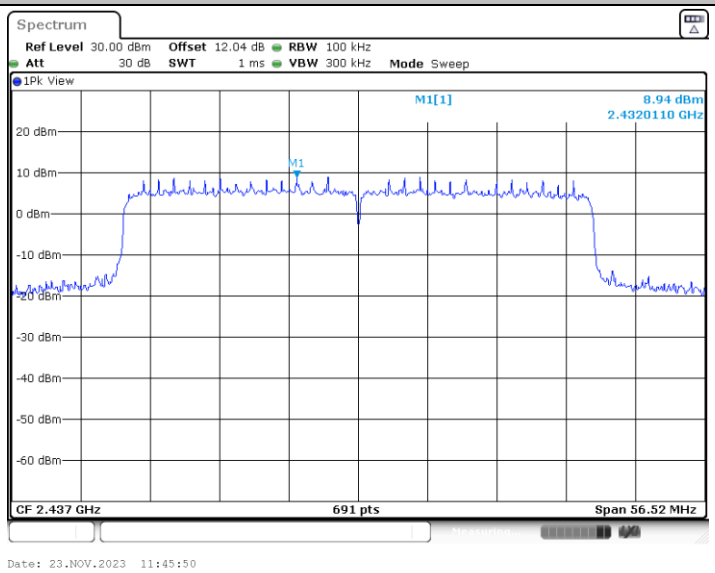
11AX40MIMO_Ant4_2422



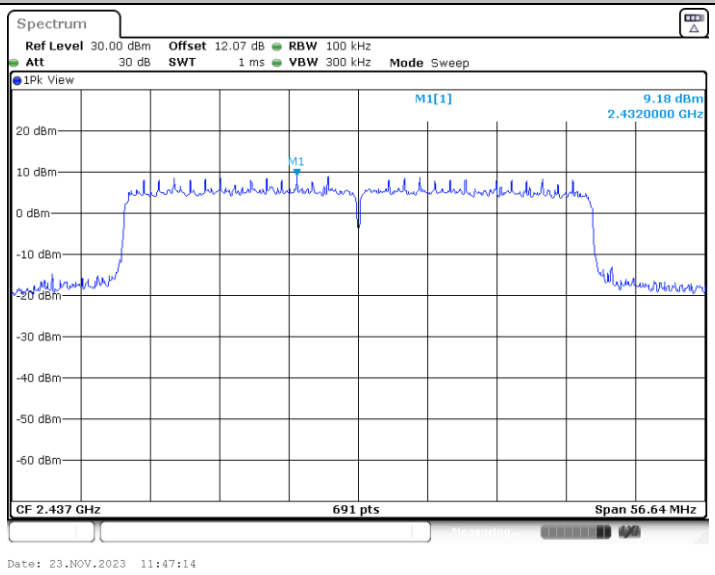
11AX40MIMO_Ant1_2437



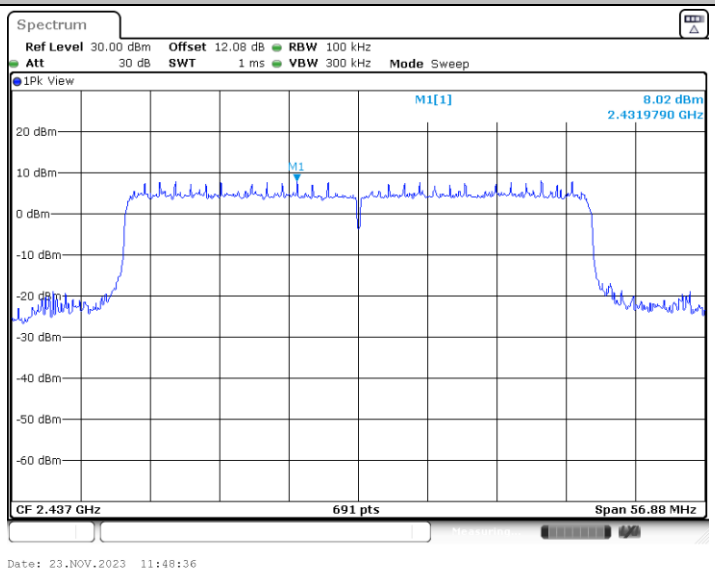
11AX40MIMO_Ant2_2437



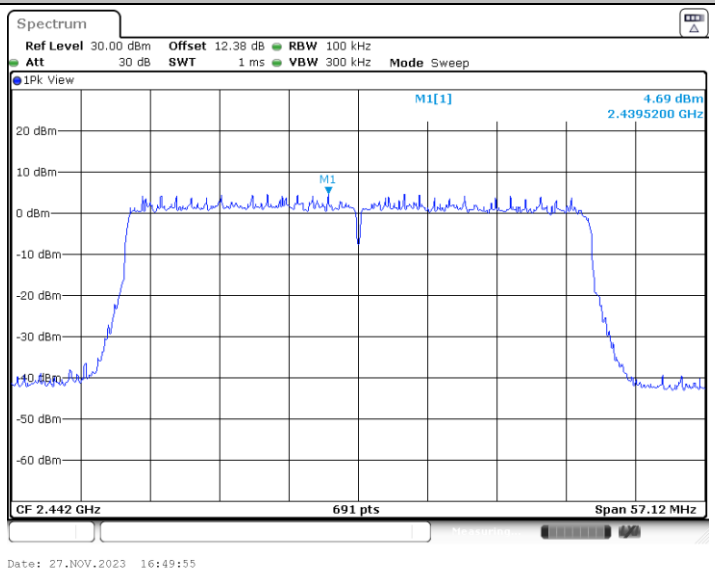
11AX40MIMO_Ant3_2437



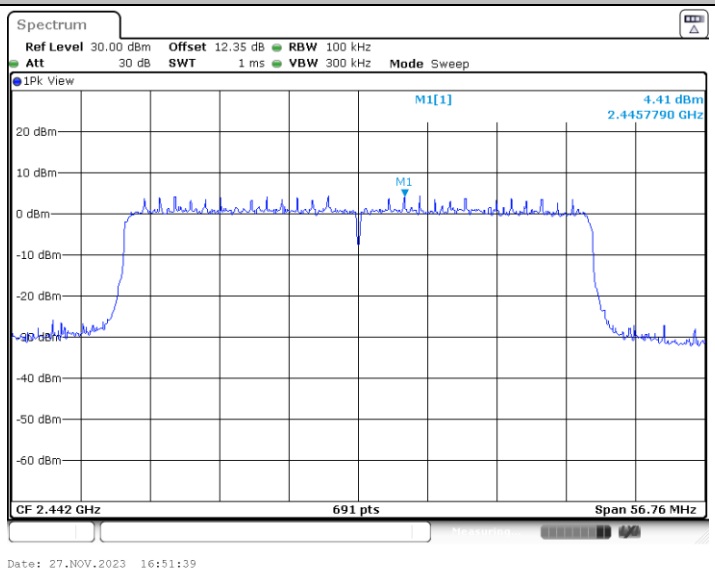
11AX40MIMO_Ant4_2437



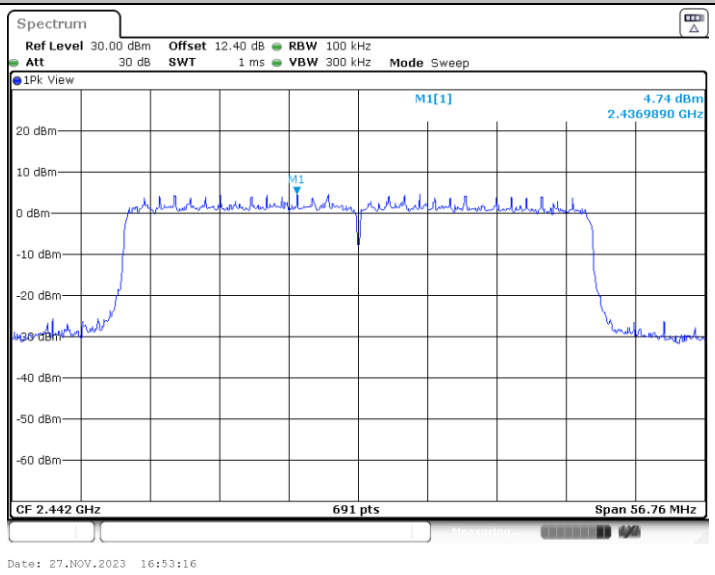
11AX40MIMO_Ant1_2442



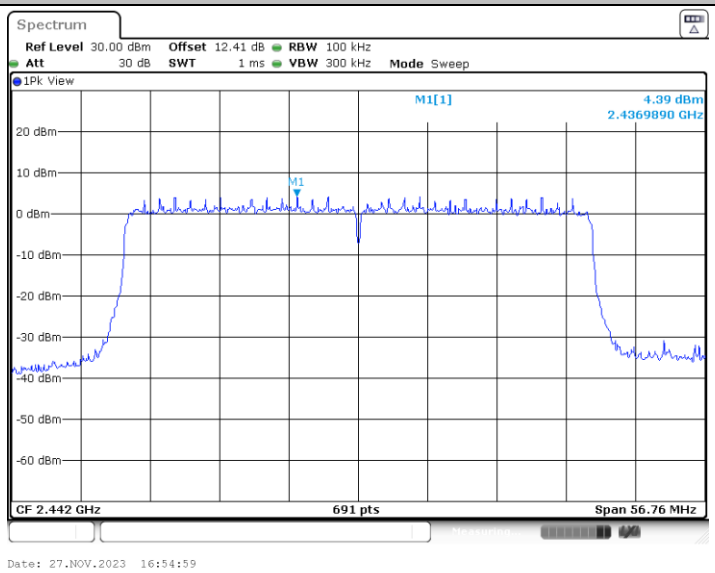
11AX40MIMO_Ant2_2442



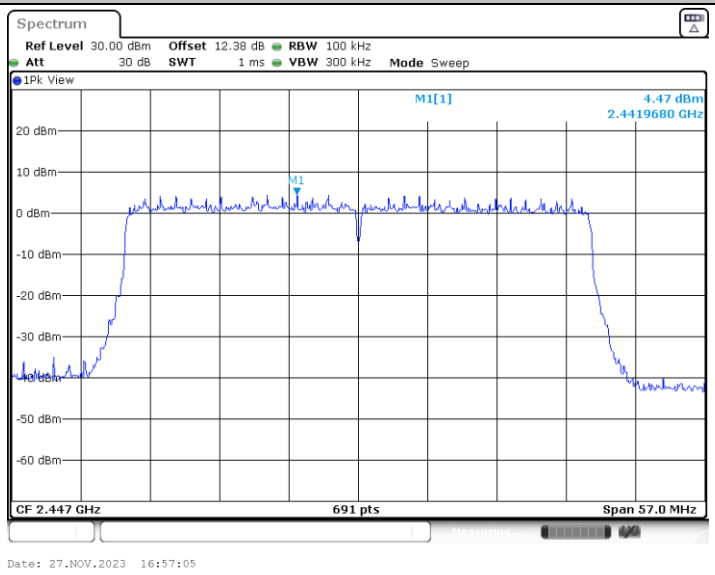
11AX40MIMO_Ant3_2442



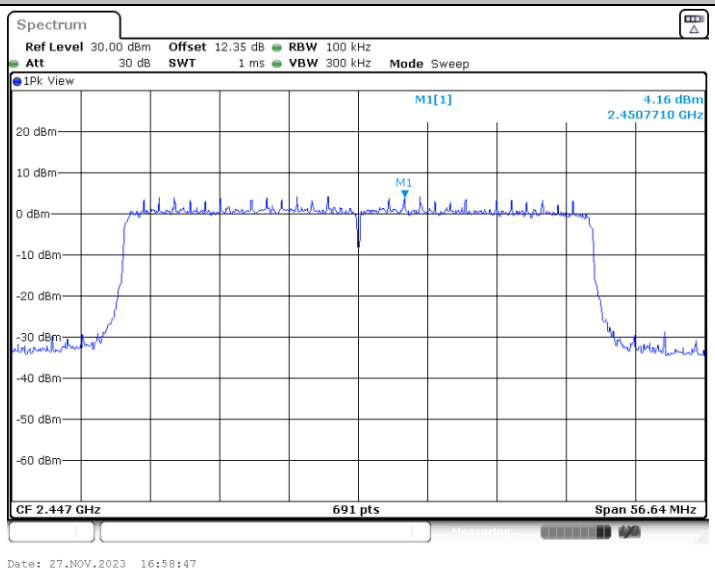
11AX40MIMO_Ant4_2442



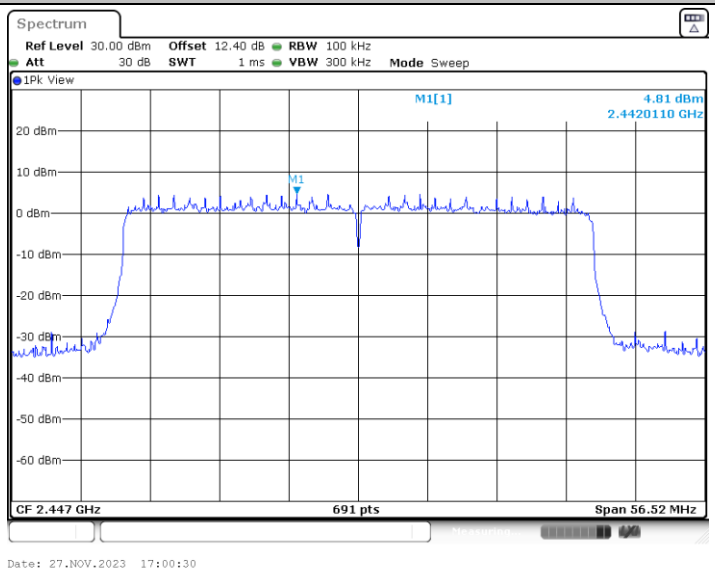
11AX40MIMO_Ant1_2447



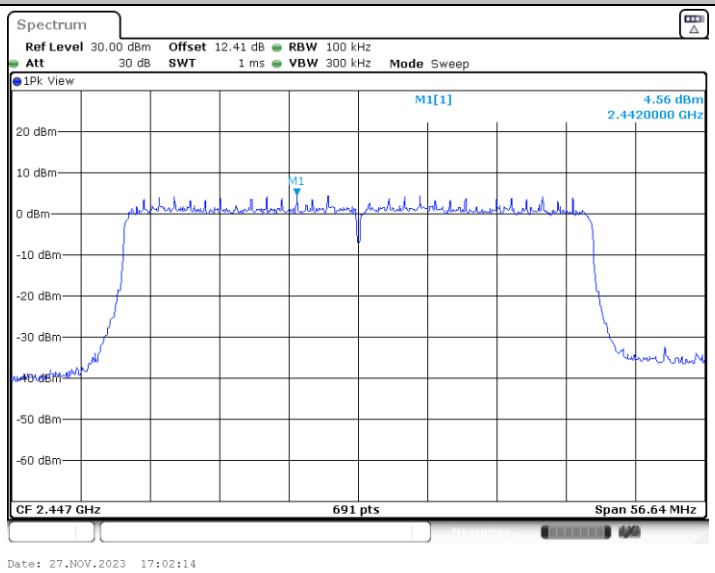
11AX40MIMO_Ant2_2447



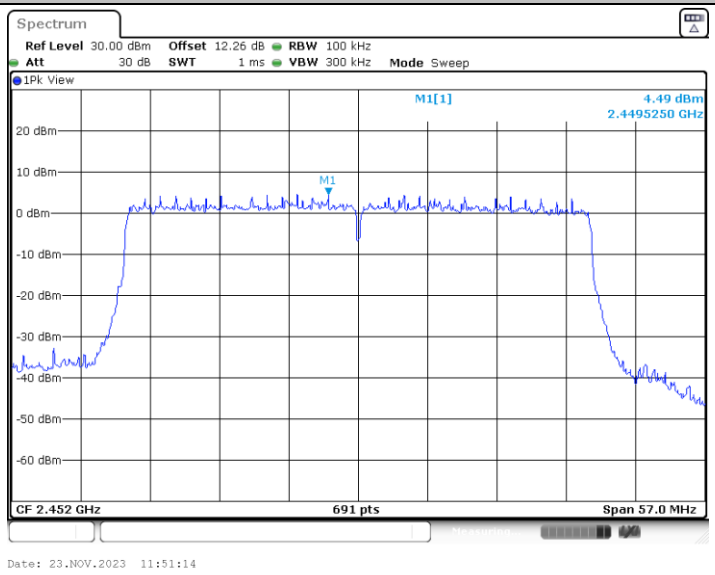
11AX40MIMO_Ant3_2447



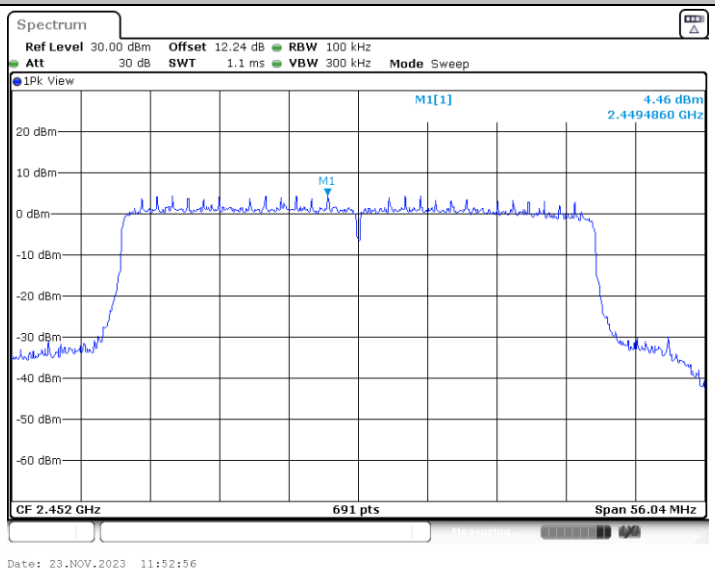
11AX40MIMO_Ant4_2447



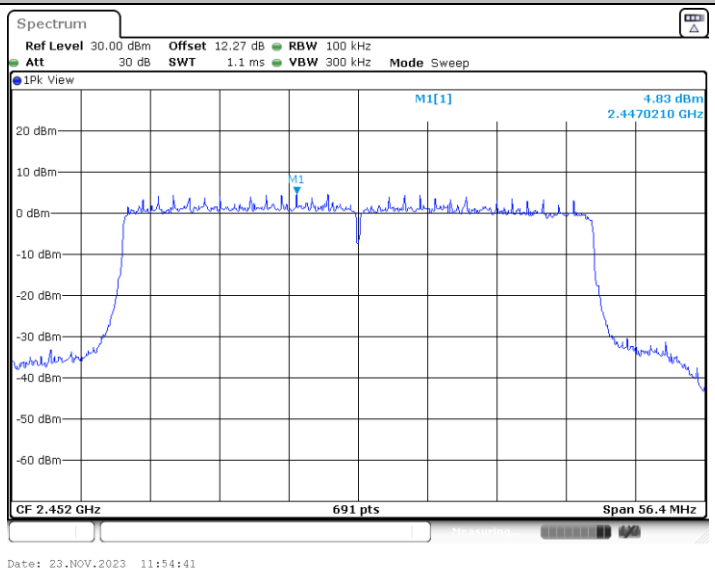
11AX40MIMO_Ant1_2452



11AX40MIMO_Ant2_2452



11AX40MIMO_Ant3_2452



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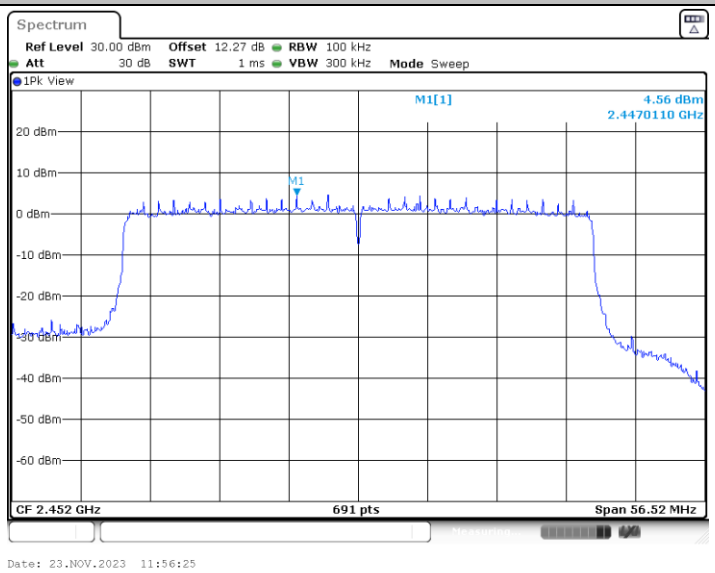


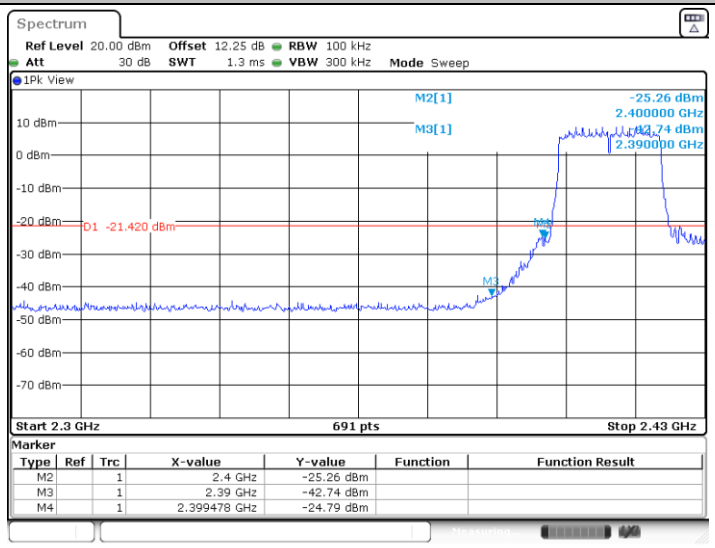
Band edge measurements

Test Result

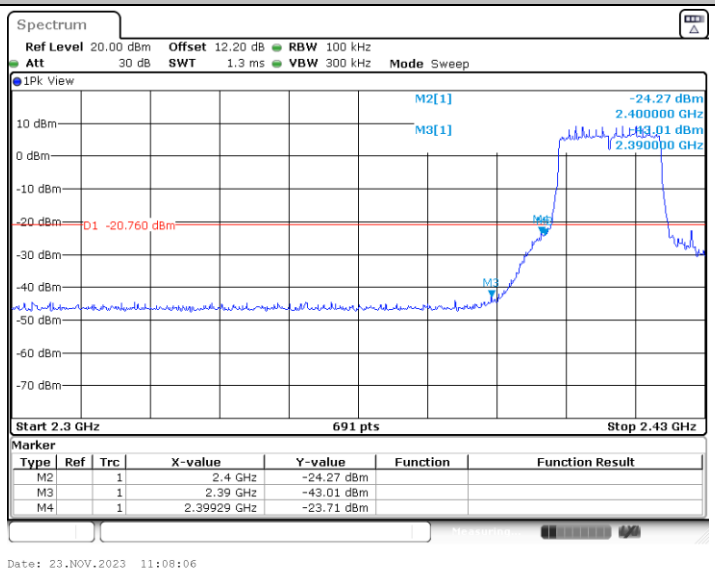
TestMode	Antenna	ChName	Freq (MHz)	RefLevel [dBm/100KHz]	Result [dBm/100KHz]	Limit [dBm/100KHz]	Verdict
11AX20MIMO	Ant1	Low	2412	8.58	-24.79	≤-21.42	PASS
	Ant2	Low	2412	9.24	-23.71	≤-20.76	PASS
	Ant3	Low	2412	8.98	-23.36	≤-21.02	PASS
	Ant4	Low	2412	8.72	-21.29	≤-21.28	PASS
	Ant1	High	2462	7.86	-43.48	≤-22.14	PASS
	Ant2	High	2462	8.26	-43.83	≤-21.74	PASS
	Ant3	High	2462	7.99	-43.39	≤-22.01	PASS
	Ant4	High	2462	7.94	-42.99	≤-22.06	PASS
11AX40MIMO	Ant1	Low	2422	7.01	-27.02	≤-22.99	PASS
	Ant2	Low	2422	6.27	-28.21	≤-23.73	PASS
	Ant3	Low	2422	6.54	-28.67	≤-23.46	PASS
	Ant4	Low	2422	6.78	-25.28	≤-23.22	PASS
	Ant1	High	2442	4.69	-42.98	≤-25.31	PASS
	Ant2	High	2442	4.41	-42.94	≤-25.59	PASS
	Ant3	High	2442	4.74	-43.33	≤-25.26	PASS
	Ant4	High	2442	4.39	-42.94	≤-25.61	PASS
	Ant1	High	2447	4.47	-42.09	≤-25.53	PASS
	Ant2	High	2447	4.16	-43.02	≤-25.84	PASS
	Ant3	High	2447	4.81	-42.51	≤-25.19	PASS
	Ant4	High	2447	4.56	-42.04	≤-25.44	PASS
	Ant1	High	2452	4.49	-42.54	≤-25.51	PASS
	Ant2	High	2452	4.46	-43.26	≤-25.54	PASS
	Ant3	High	2452	4.83	-43	≤-25.17	PASS
	Ant4	High	2452	4.56	-43.82	≤-25.44	PASS

Test Graphs

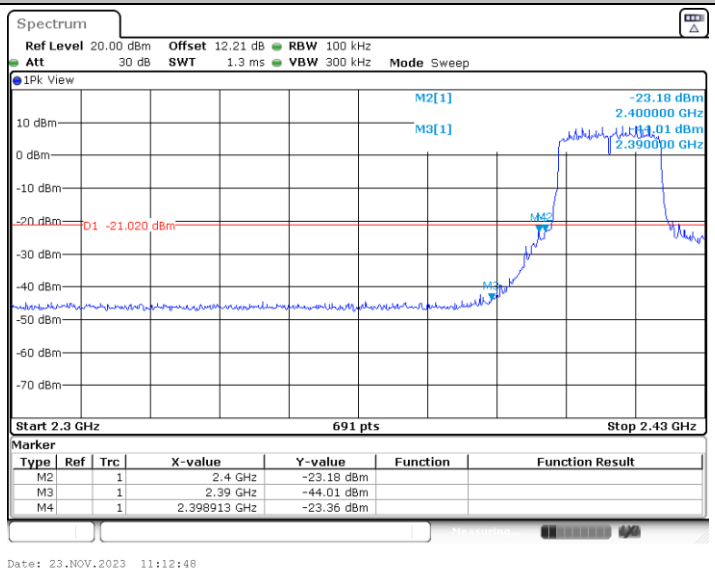
11AX20MIMO_Ant1_Low_2412



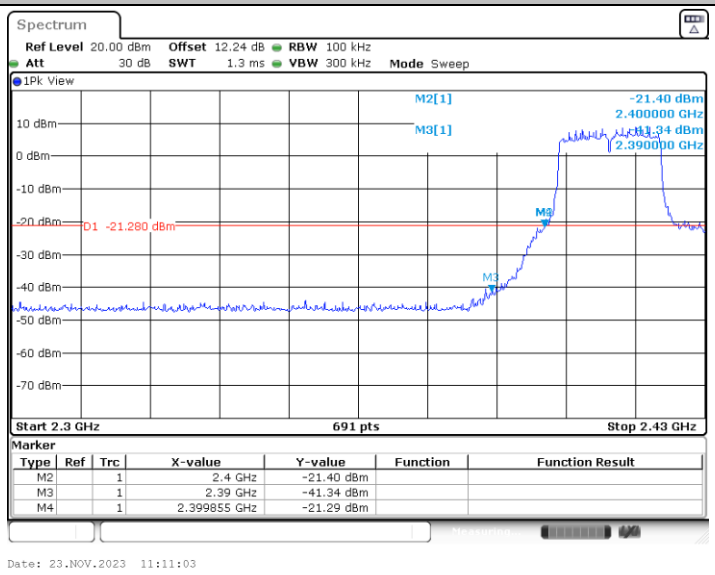
11AX20MIMO_Ant2_Low_2412



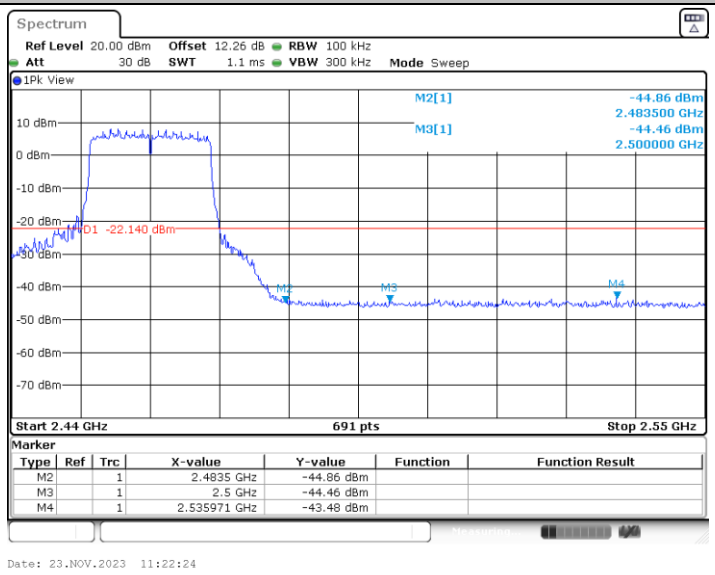
11AX20MIMO_Ant3_Low_2412



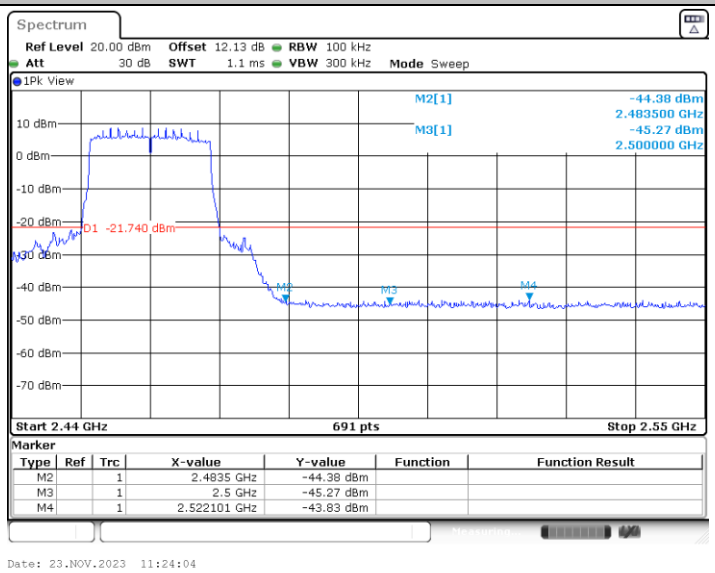
11AX20MIMO_Ant4_Low_2412



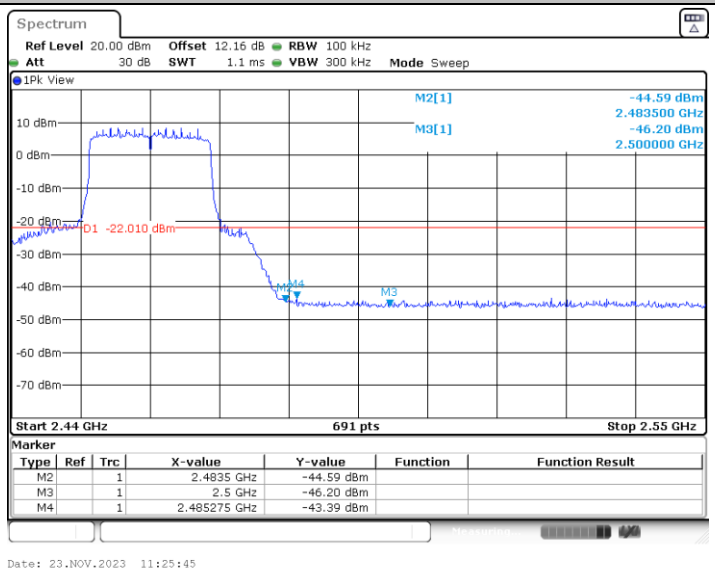
11AX20MIMO_Ant1_High_2462



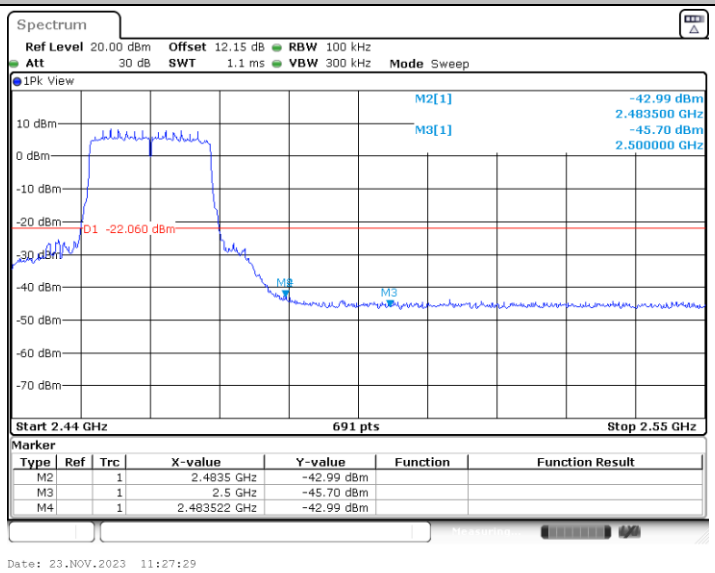
11AX20MIMO_Ant2_High_2462



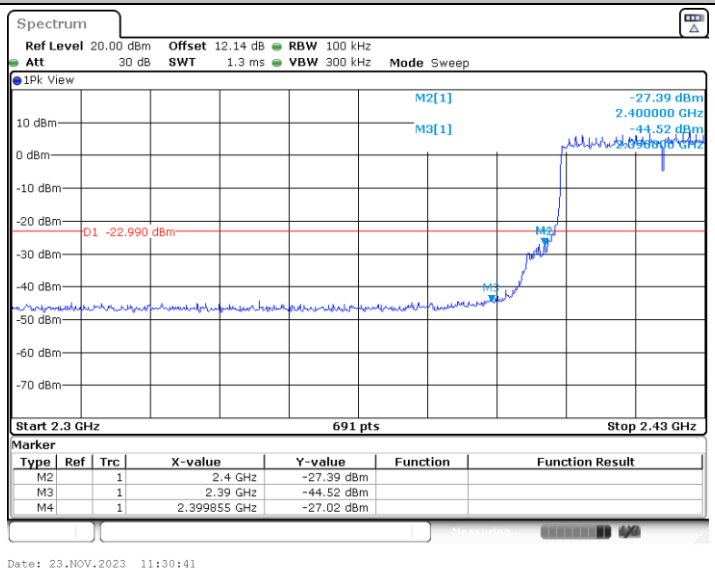
11AX20MIMO_Ant3_High_2462



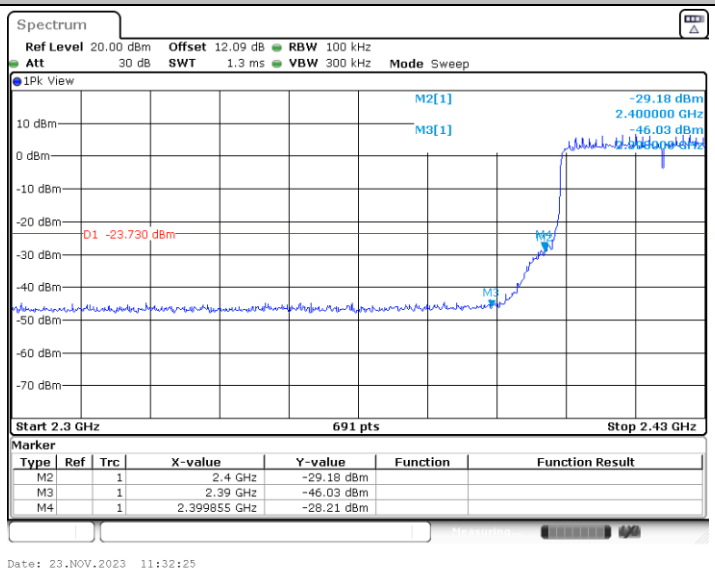
11AX20MIMO_Ant4_High_2462



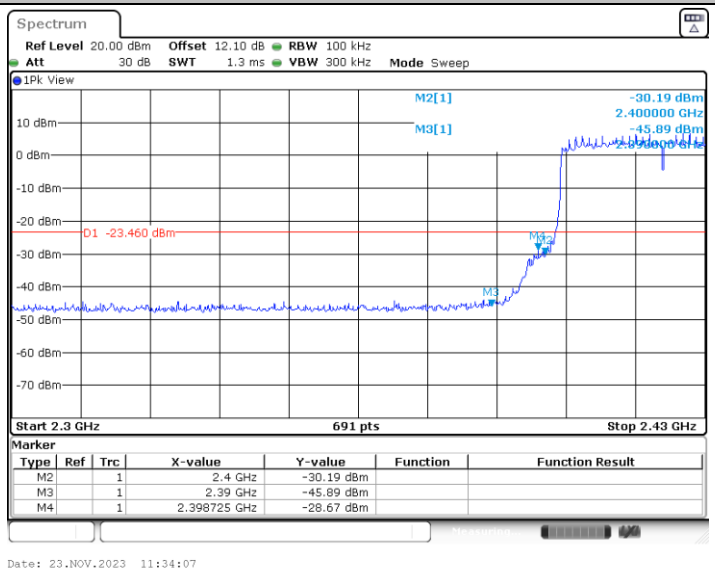
11AX40MIMO_Ant1_Low_2422



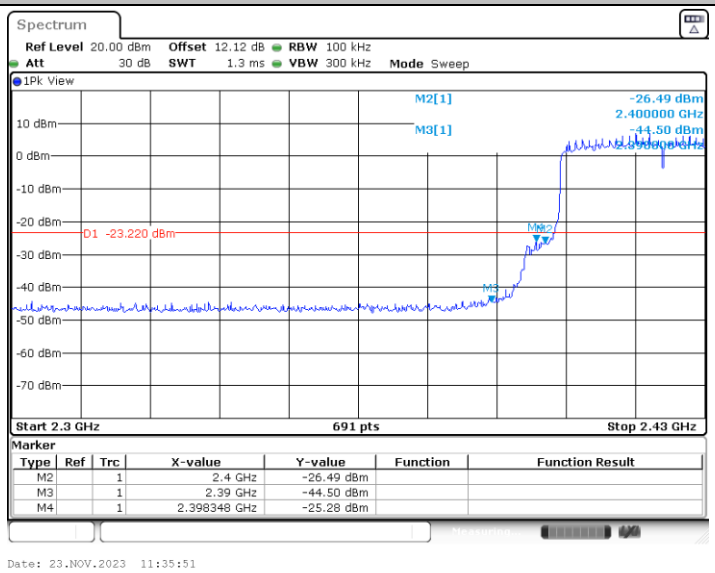
11AX40MIMO_Ant2_Low_2422



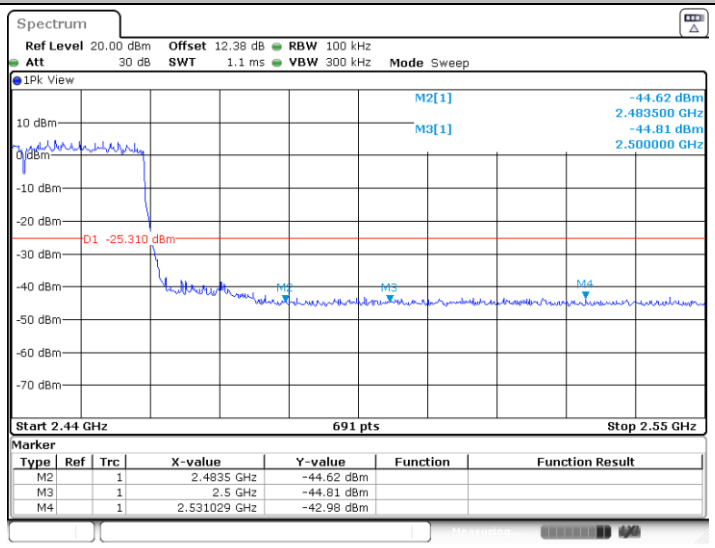
11AX40MIMO_Ant3_Low_2422



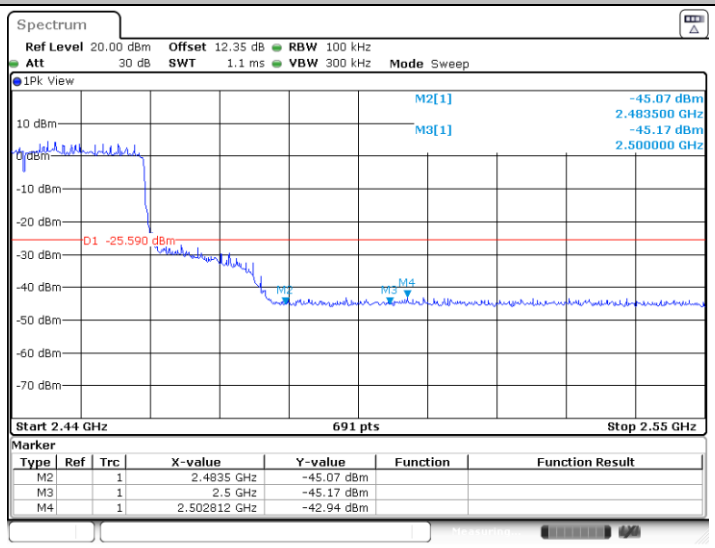
11AX40MIMO_Ant4_Low_2422



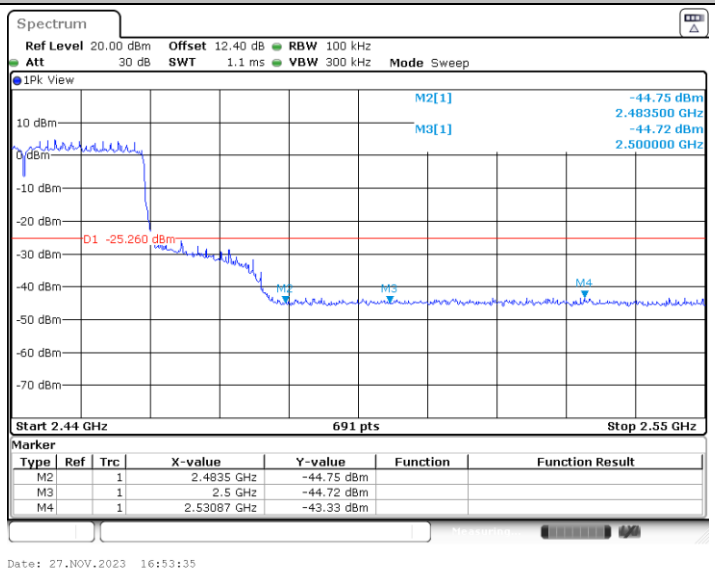
11AX40MIMO_Ant1_High_2442



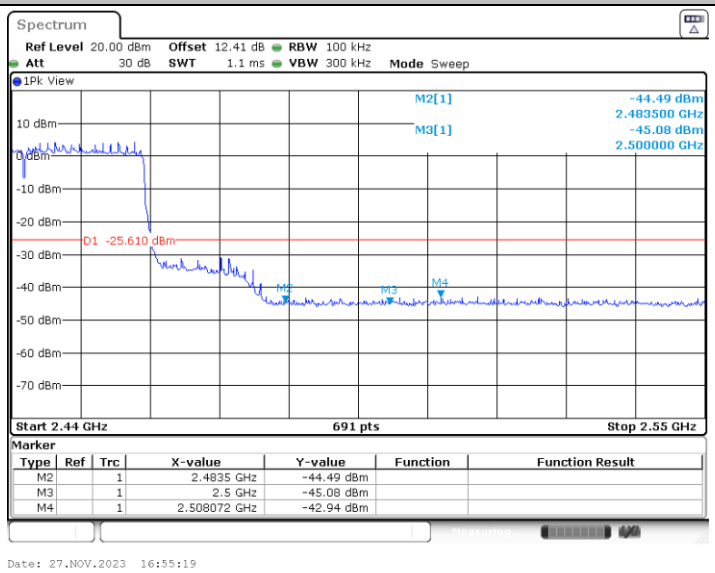
11AX40MIMO_Ant2_High_2442



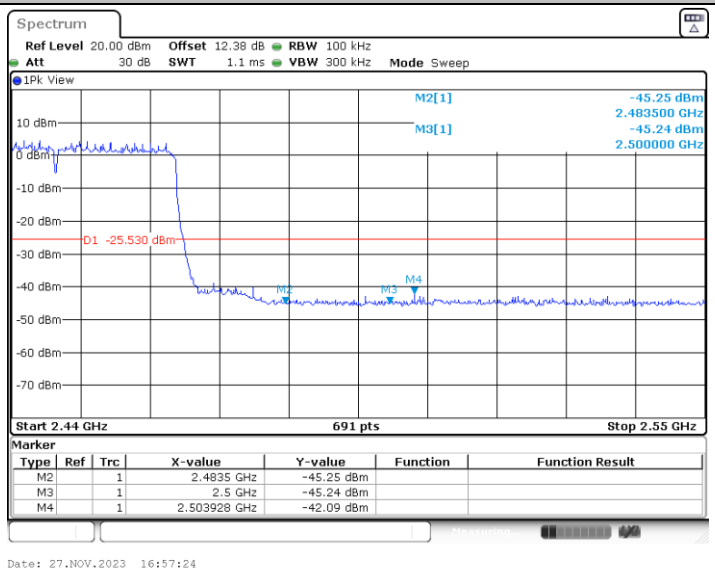
11AX40MIMO_Ant3_High_2442



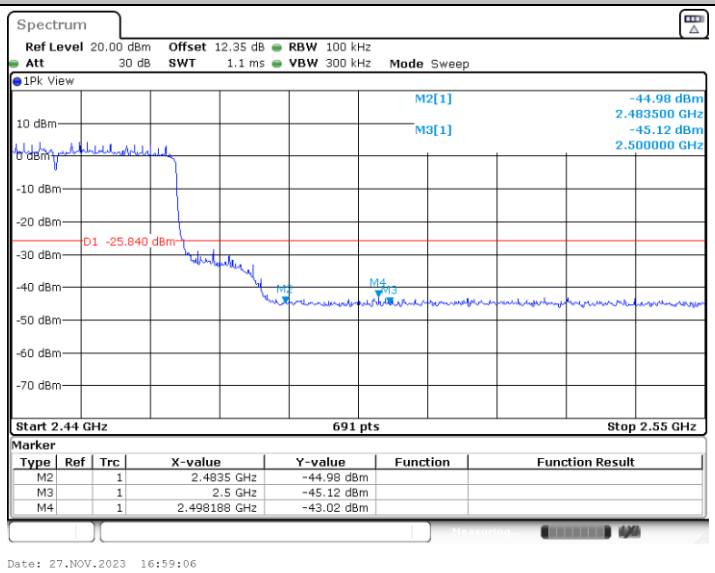
11AX40MIMO_Ant4_High_2442



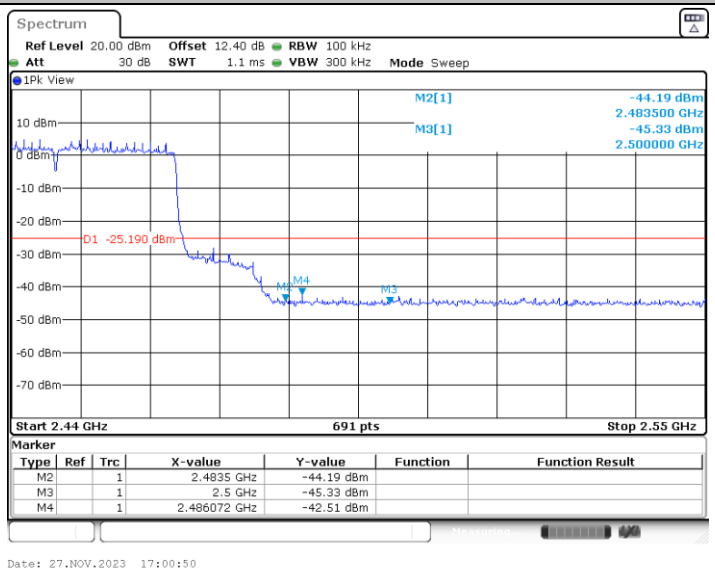
11AX40MIMO_Ant1_High_2447



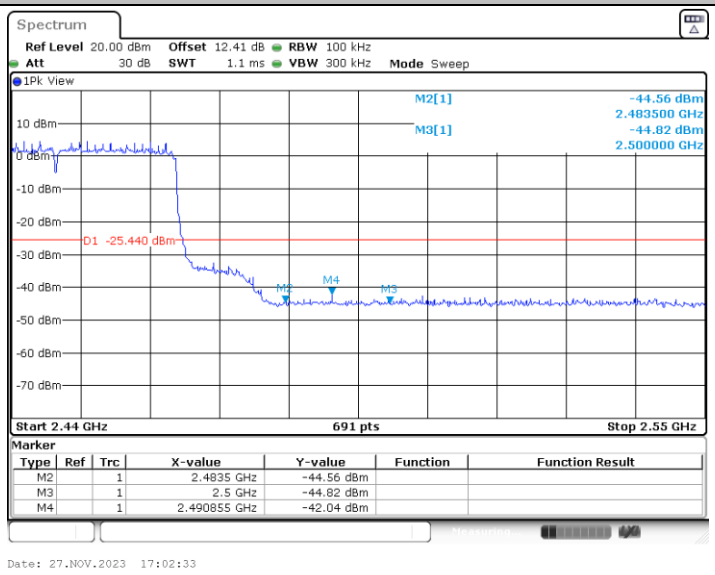
11AX40MIMO_Ant2_High_2447



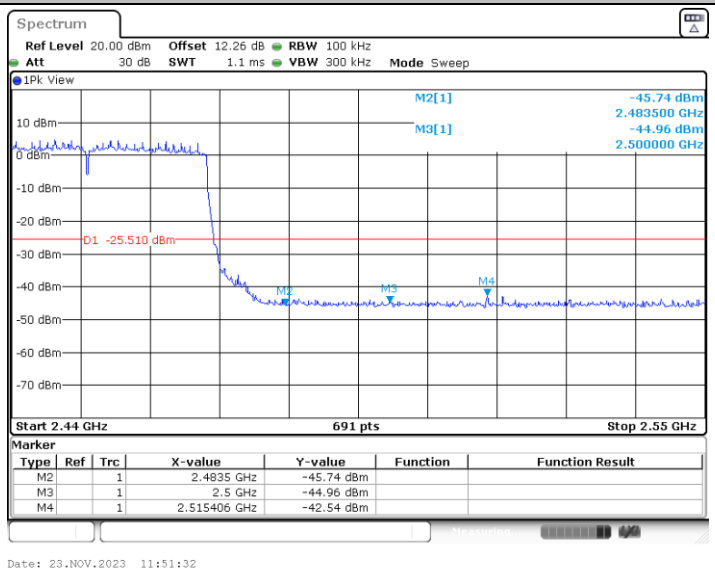
11AX40MIMO_Ant3_High_2447



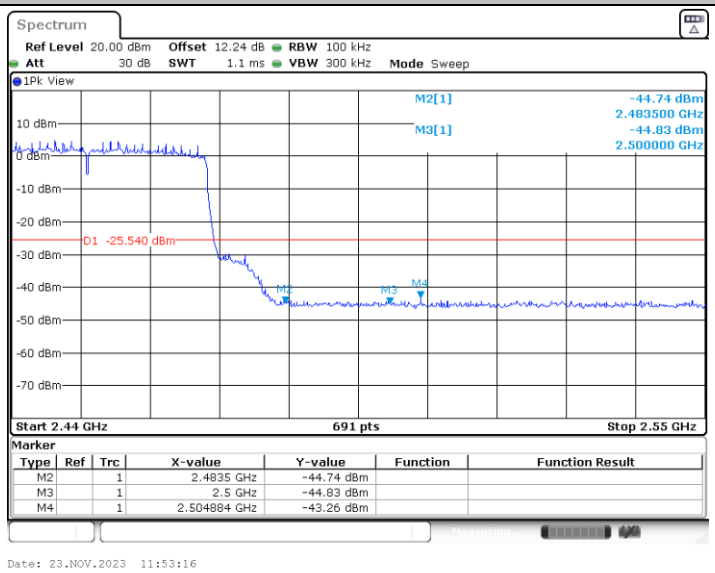
11AX40MIMO_Ant4_High_2447



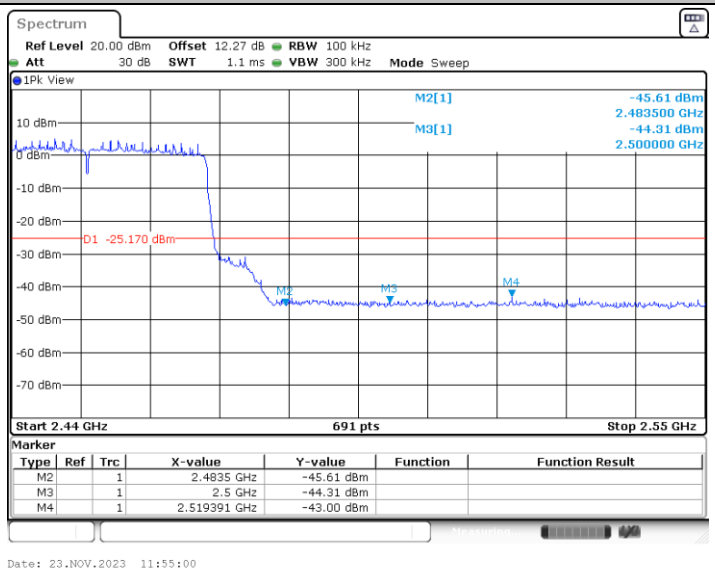
11AX40MIMO_Ant1_High_2452



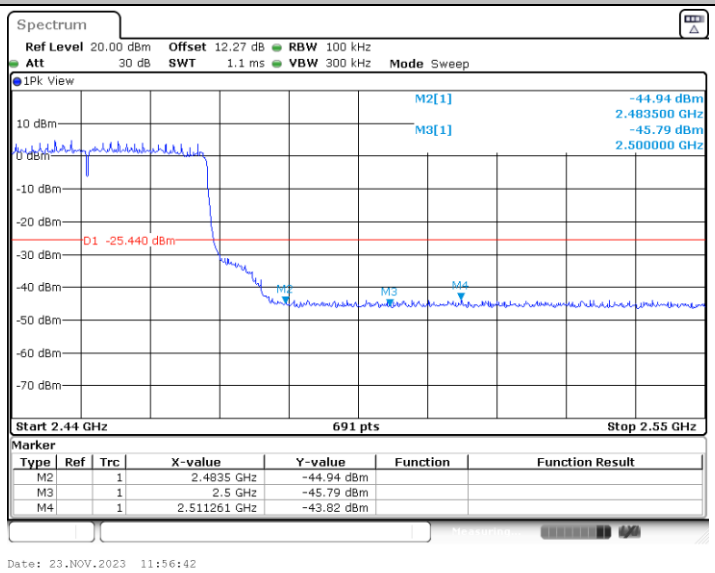
11AX40MIMO_Ant2_High_2452



11AX40MIMO_Ant3_High_2452



11AX40MIMO_Ant4_High_2452



Conducted Spurious Emission

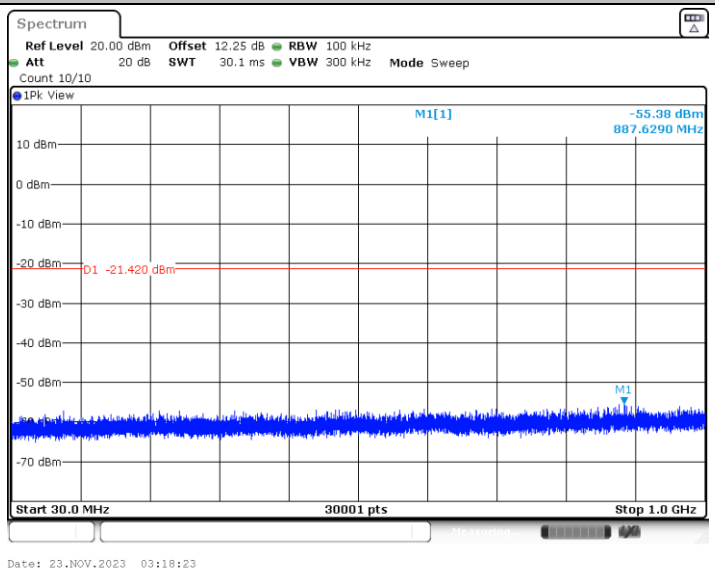
Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [Mhz]	RefLevel [dBm/100KHz]	Result [dBm/100KHz]	Limit [dBm/100KHz]	Verdict
11AX20MIMO	Ant1	2412	30~1000	8.58	-55.38	≤-21.42	PASS
			1000~26500	8.58	-46.08	≤-21.42	PASS
	Ant2	2412	30~1000	9.24	-55.27	≤-20.76	PASS
			1000~26500	9.24	-47.03	≤-20.76	PASS
	Ant3	2412	30~1000	8.98	-55.88	≤-21.02	PASS
			1000~26500	8.98	-46.68	≤-21.02	PASS
	Ant4	2412	30~1000	8.72	-54.83	≤-21.28	PASS
			1000~26500	8.72	-46.85	≤-21.28	PASS
	Ant1	2437	30~1000	10.79	-55.3	≤-19.21	PASS
			1000~26500	10.79	-46.53	≤-19.21	PASS
	Ant2	2437	30~1000	11.11	-56.08	≤-18.89	PASS
			1000~26500	11.11	-47.37	≤-18.89	PASS
	Ant3	2437	30~1000	10.98	-55.32	≤-19.02	PASS
			1000~26500	10.98	-47.28	≤-19.02	PASS
	Ant4	2437	30~1000	10.95	-55.98	≤-19.05	PASS
			1000~26500	10.95	-47.48	≤-19.05	PASS
	Ant1	2462	30~1000	7.86	-55.7	≤-22.14	PASS
			1000~26500	7.86	-47.11	≤-22.14	PASS
	Ant2	2462	30~1000	8.26	-55.94	≤-21.74	PASS
			1000~26500	8.26	-47.32	≤-21.74	PASS
	Ant3	2462	30~1000	7.99	-55.1	≤-22.01	PASS
			1000~26500	7.99	-46.72	≤-22.01	PASS
	Ant4	2462	30~1000	7.94	-55	≤-22.06	PASS
			1000~26500	7.94	-47.25	≤-22.06	PASS
11AX40MIMO	Ant1	2422	30~1000	7.01	-55.47	≤-22.99	PASS
			1000~26500	7.01	-46.96	≤-22.99	PASS
	Ant2	2422	30~1000	6.27	-55.65	≤-23.73	PASS
			1000~26500	6.27	-47.32	≤-23.73	PASS
	Ant3	2422	30~1000	6.54	-55.21	≤-23.46	PASS
			1000~26500	6.54	-46.35	≤-23.46	PASS
	Ant4	2422	30~1000	6.78	-55.94	≤-23.22	PASS
			1000~26500	6.78	-46.08	≤-23.22	PASS
	Ant1	2437	30~1000	8.60	-55.49	≤-21.4	PASS

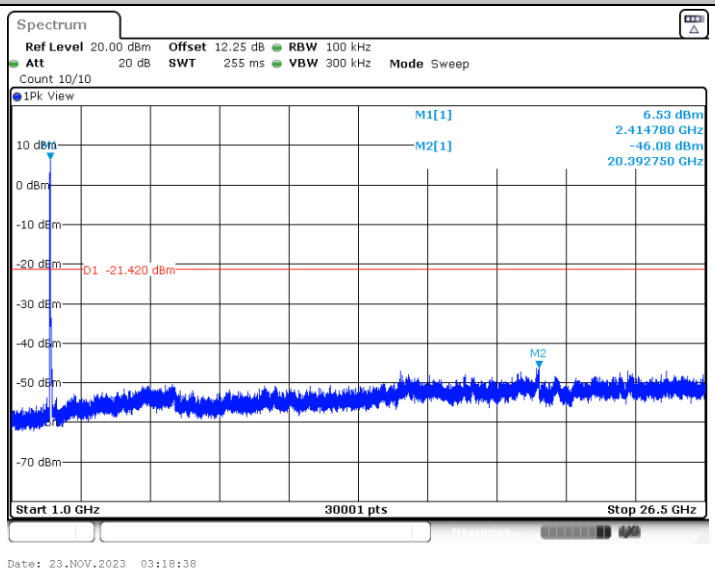
			1000~26500	8.60	-46.79	≤-21.4	PASS
	Ant2	2437	30~1000	8.94	-55.44	≤-21.06	PASS
			1000~26500	8.94	-46.92	≤-21.06	PASS
	Ant3	2437	30~1000	9.18	-55.41	≤-20.82	PASS
			1000~26500	9.18	-46.48	≤-20.82	PASS
	Ant4	2437	30~1000	8.02	-55.61	≤-21.98	PASS
			1000~26500	8.02	-45.25	≤-21.98	PASS
	Ant1	2442	30~1000	4.69	-55.35	≤-25.31	PASS
			1000~26500	4.69	-46.73	≤-25.31	PASS
	Ant2	2442	30~1000	4.41	-55.41	≤-25.59	PASS
			1000~26500	4.41	-46.36	≤-25.59	PASS
	Ant3	2442	30~1000	4.74	-55.16	≤-25.26	PASS
			1000~26500	4.74	-46.26	≤-25.26	PASS
	Ant4	2442	30~1000	4.39	-54.95	≤-25.61	PASS
			1000~26500	4.39	-46.73	≤-25.61	PASS
	Ant1	2447	30~1000	4.47	-54.44	≤-25.53	PASS
			1000~26500	4.47	-46.51	≤-25.53	PASS
	Ant2	2447	30~1000	4.16	-55.54	≤-25.84	PASS
			1000~26500	4.16	-46.38	≤-25.84	PASS
	Ant3	2447	30~1000	4.81	-55.36	≤-25.19	PASS
			1000~26500	4.81	-46.43	≤-25.19	PASS
	Ant4	2447	30~1000	4.56	-54.95	≤-25.44	PASS
			1000~26500	4.56	-46.35	≤-25.44	PASS
	Ant1	2452	30~1000	4.49	-55.44	≤-25.51	PASS
			1000~26500	4.49	-47.05	≤-25.51	PASS
	Ant2	2452	30~1000	4.46	-55.46	≤-25.54	PASS
			1000~26500	4.46	-46.95	≤-25.54	PASS
	Ant3	2452	30~1000	4.83	-54.77	≤-25.17	PASS
			1000~26500	4.83	-46.72	≤-25.17	PASS
	Ant4	2452	30~1000	4.56	-55.83	≤-25.44	PASS
			1000~26500	4.56	-47.14	≤-25.44	PASS

Test Graphs

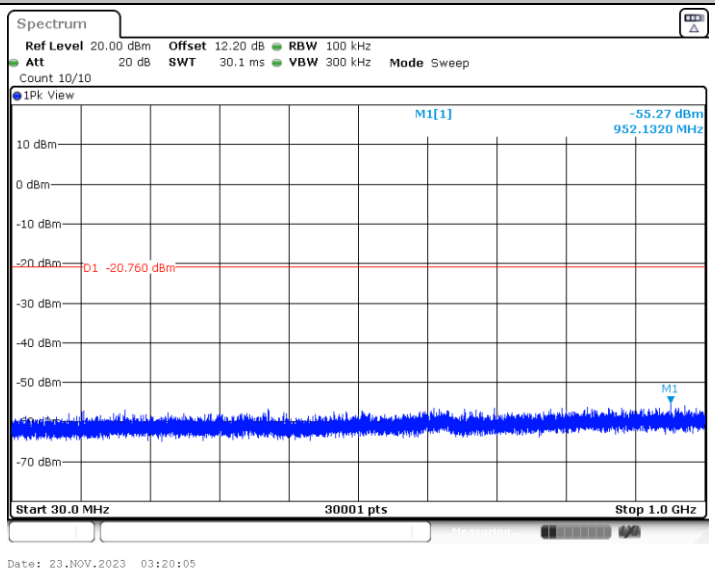
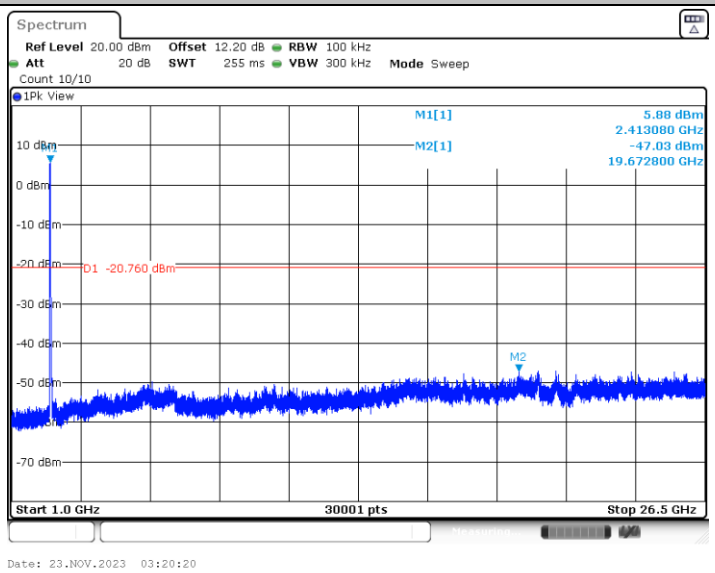
11AX20MIMO_Ant1_2412_30~1000



11AX20MIMO_Ant1_2412_1000~26500



11AX20MIMO_Ant2_2412_30~1000



11AX20MIMO_Ant2_2412_1000~26500