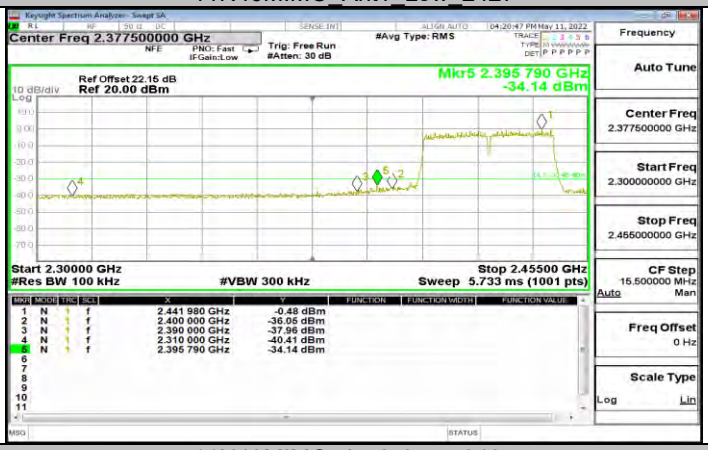
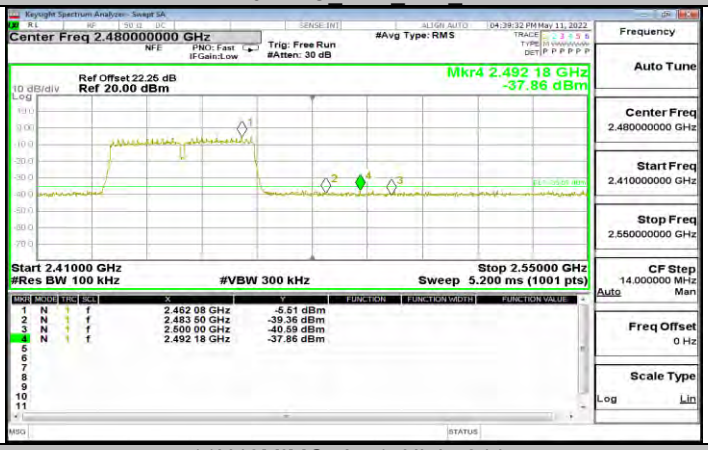
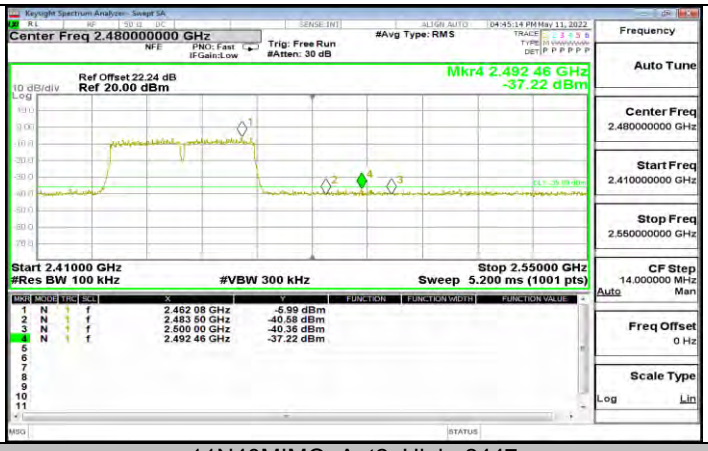
11N40MIMO_Ant1_Low_2427



11N40MIMO_Ant2_Low_2427

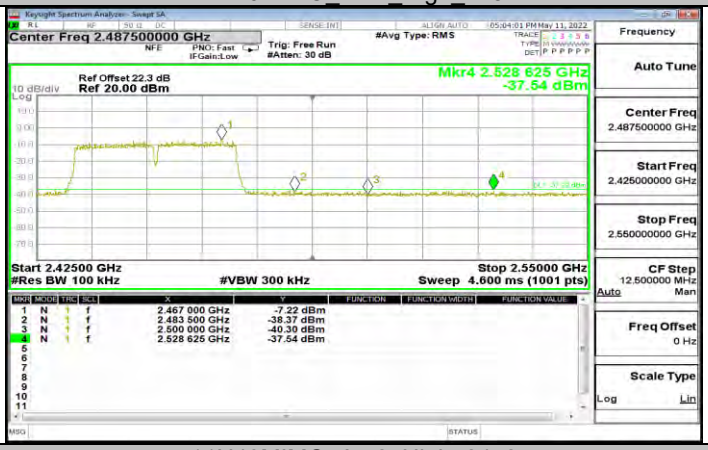


11N40MIMO_Ant1_High_2447



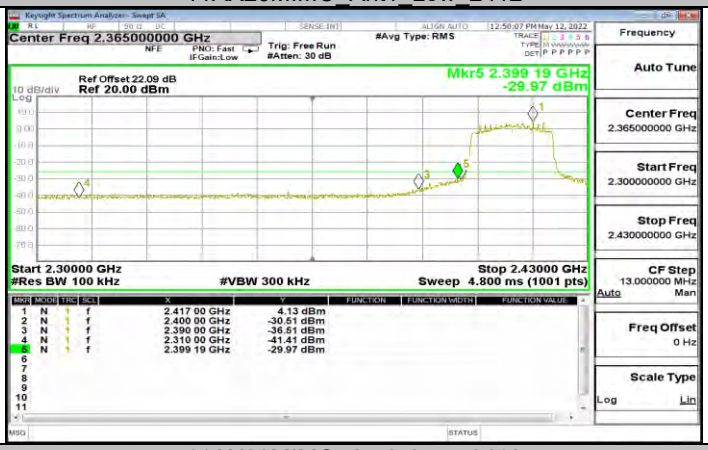
11N40MIMO_Ant2_High_2447

11N40MIMO_Ant1_High_2452

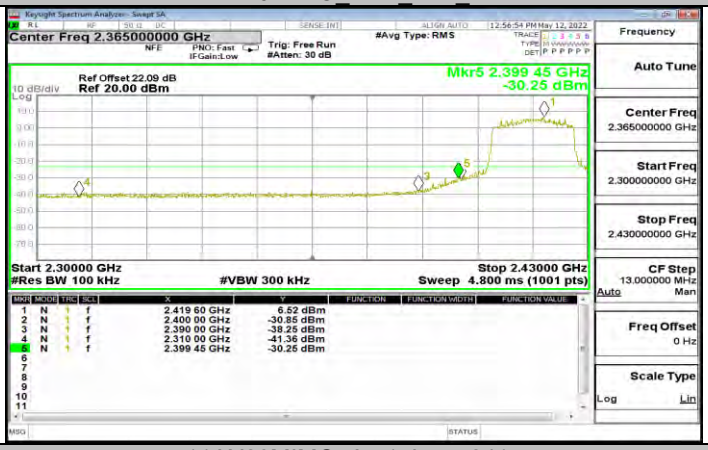


11N40MIMO_Ant2_High_2452

11AX20MIMO_Ant1_Low_2412

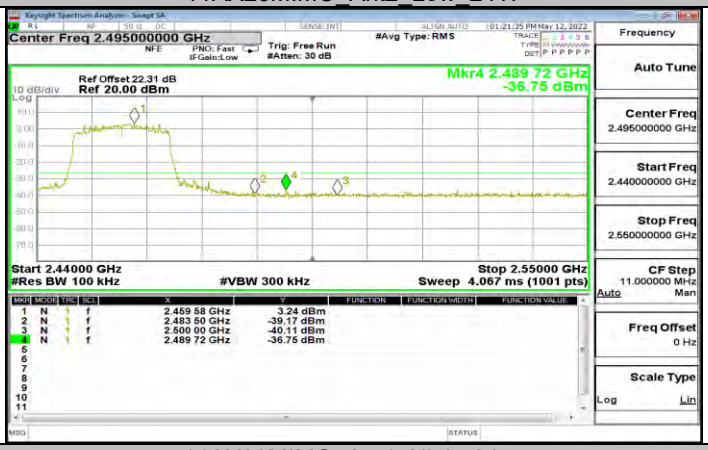


11AX20MIMO_Ant2_Low_2412

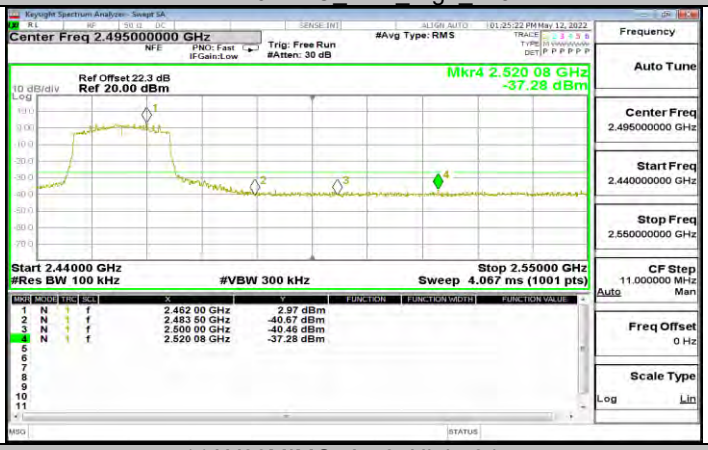


11AX20MIMO_Ant1_Low_2417

11AX20MIMO_Ant2_Low_2417



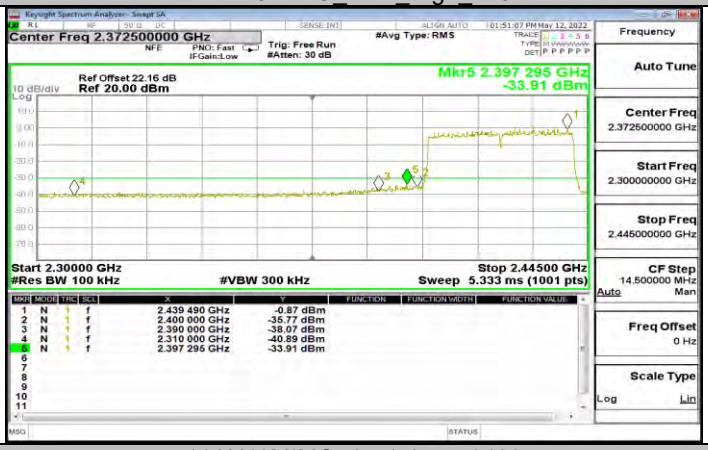
11AX20MIMO_Ant1_High_2457



11AX20MIMO_Ant2_High_2457

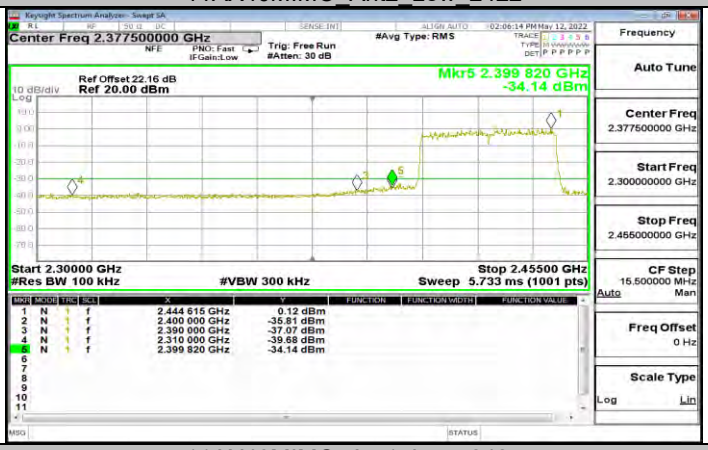
11AX20MIMO_Ant1_High_2462

11AX20MIMO_Ant2_High_2462

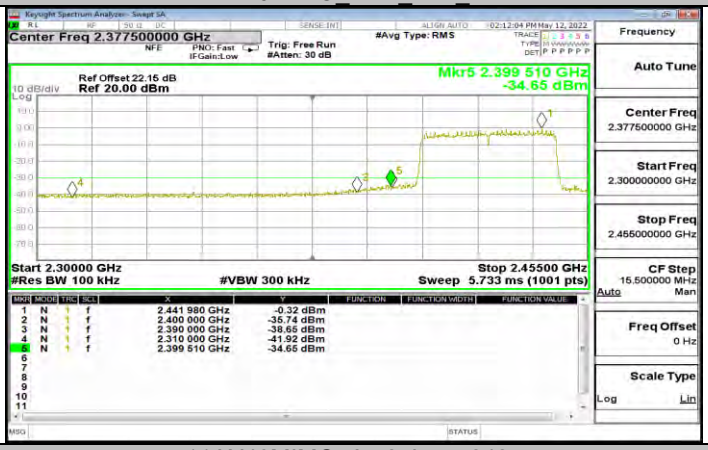


11AX40MIMO_Ant1_Low_2422

11AX40MIMO_Ant2_Low_2422



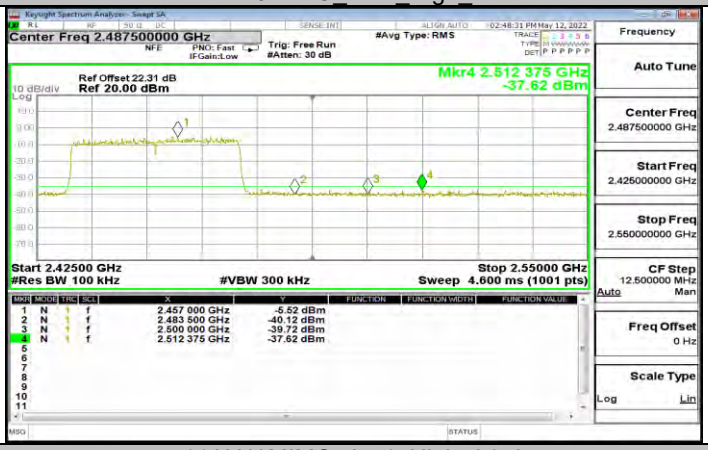
11AX40MIMO_Ant1_Low_2427



11AX40MIMO_Ant2_Low_2427

11AX40MIMO_Ant1_High_2447

11AX40MIMO_Ant2_High_2447



11AX40MIMO_Ant1_High_2452

11AX40MIMO_Ant2_High_2452

Note: For 802.11b and 802.11g mode, Both the two antennas had been tested, but only the worst data was recorded in the report.

11.6. Appendix F: Conducted Spurious Emission

11.6.1. Test Result

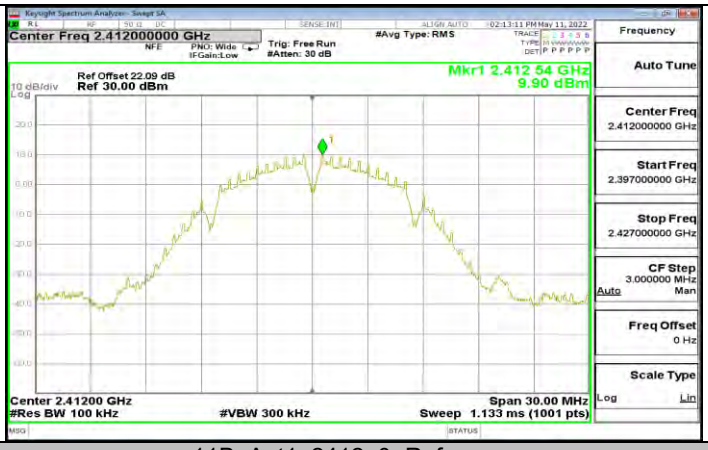
Test Mode	Antenna	Channel	FreqRange [Mhz]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	9.90	---	PASS
			30~1000	-49.51	≤-20.1	PASS
			1000~26500	-42.26	≤-20.1	PASS
		2417	Reference	9.79	---	PASS
			30~1000	-49.52	≤-20.21	PASS
			1000~26500	-41.46	≤-20.21	PASS
		2437	Reference	10.35	---	PASS
			30~1000	-49.38	≤-19.65	PASS
			1000~26500	-42	≤-19.65	PASS
		2457	Reference	9.84	---	PASS
			30~1000	-48.99	≤-20.16	PASS
			1000~26500	-40.77	≤-20.16	PASS
		2462	Reference	10.11	---	PASS
			30~1000	-49.28	≤-19.89	PASS
			1000~26500	-41.71	≤-19.89	PASS
11G	Ant1	2412	Reference	6.17	---	PASS
			30~1000	-49.92	≤-23.83	PASS
			1000~26500	-41.44	≤-23.83	PASS
		2417	Reference	7.22	---	PASS
			30~1000	-49.57	≤-22.78	PASS
			1000~26500	-42.2	≤-22.78	PASS
		2437	Reference	5.35	---	PASS
			30~1000	-50.03	≤-24.65	PASS
			1000~26500	-41.75	≤-24.65	PASS
		2457	Reference	2.12	---	PASS
			30~1000	-49.93	≤-27.88	PASS
			1000~26500	-41.83	≤-27.88	PASS
		2462	Reference	1.69	---	PASS
			30~1000	-49.3	≤-28.31	PASS
			1000~26500	-41.46	≤-28.31	PASS
11N20MIMO	Ant1	2412	Reference	5.16	---	PASS
			30~1000	-49.49	≤-24.83	PASS
			1000~26500	-41.06	≤-24.83	PASS
	Ant2	2412	Reference	4.79	---	PASS
			30~1000	-49.93	≤-25.21	PASS
			1000~26500	-41.39	≤-25.21	PASS
	Ant1	2417	Reference	6.13	---	PASS
			30~1000	-49.62	≤-23.87	PASS
			1000~26500	-42.03	≤-23.87	PASS
	Ant2	2417	Reference	5.39	---	PASS
			30~1000	-49.55	≤-24.61	PASS
			1000~26500	-41.53	≤-24.61	PASS
	Ant1	2437	Reference	6.52	---	PASS
			30~1000	-49.21	≤-23.48	PASS
			1000~26500	-42.24	≤-23.48	PASS
	Ant2	2437	Reference	6.25	---	PASS
			30~1000	-49.91	≤-23.75	PASS
			1000~26500	-41.8	≤-23.75	PASS
	Ant1	2457	Reference	2.86	---	PASS
			30~1000	-49.31	≤-27.14	PASS
			1000~26500	-41.69	≤-27.14	PASS
	Ant2	2457	Reference	2.87	---	PASS
			30~1000	-49.75	≤-27.13	PASS

			1000~26500	-41.66	≤-27.13	PASS
	Ant1	2462	Reference	0.54	---	PASS
			30~1000	-49.29	≤-29.46	PASS
			1000~26500	-40.69	≤-29.46	PASS
	Ant2	2462	Reference	0.43	---	PASS
			30~1000	-49.51	≤-29.57	PASS
			1000~26500	-41.39	≤-29.57	PASS
11N40MIMO	Ant1	2422	Reference	-0.87	---	PASS
			30~1000	-49.75	≤-30.87	PASS
			1000~26500	-41.92	≤-30.87	PASS
	Ant2	2422	Reference	-1.40	---	PASS
			30~1000	-49.87	≤-31.4	PASS
			1000~26500	-41.58	≤-31.4	PASS
	Ant1	2427	Reference	0.00	---	PASS
			30~1000	-50.12	≤-30	PASS
			1000~26500	-42.02	≤-30	PASS
	Ant2	2427	Reference	-0.39	---	PASS
			30~1000	-50.19	≤-30.39	PASS
			1000~26500	-41.43	≤-30.39	PASS
	Ant1	2437	Reference	4.66	---	PASS
			30~1000	-49.83	≤-25.34	PASS
			1000~26500	-41.23	≤-25.34	PASS
	Ant2	2437	Reference	3.69	---	PASS
			30~1000	-49.88	≤-26.31	PASS
			1000~26500	-41.68	≤-26.31	PASS
	Ant1	2447	Reference	-5.30	---	PASS
			30~1000	-48.73	≤-35.3	PASS
			1000~26500	-41.59	≤-35.3	PASS
	Ant2	2447	Reference	-6.07	---	PASS
			30~1000	-49.79	≤-36.07	PASS
			1000~26500	-41.07	≤-36.07	PASS
	Ant1	2452	Reference	-6.78	---	PASS
			30~1000	-49.17	≤-36.78	PASS
			1000~26500	-41.74	≤-36.78	PASS
	Ant2	2452	Reference	-7.37	---	PASS
			30~1000	-49.52	≤-37.37	PASS
			1000~26500	-41.04	≤-37.37	PASS
11AX20MIMO	Ant1	2412	Reference	4.75	---	PASS
			30~1000	-49.75	≤-25.25	PASS
			1000~26500	-41.28	≤-25.25	PASS
	Ant2	2412	Reference	3.74	---	PASS
			30~1000	-50.09	≤-26.26	PASS
			1000~26500	-41.68	≤-26.26	PASS
	Ant1	2417	Reference	6.48	---	PASS
			30~1000	-49.2	≤-23.52	PASS
			1000~26500	-42.39	≤-23.52	PASS
	Ant2	2417	Reference	5.45	---	PASS
			30~1000	-49.31	≤-24.55	PASS
			1000~26500	-42.14	≤-24.55	PASS
	Ant1	2437	Reference	6.89	---	PASS
			30~1000	-50.24	≤-23.11	PASS
			1000~26500	-41.69	≤-23.11	PASS
	Ant2	2437	Reference	6.21	---	PASS
			30~1000	-49.94	≤-23.79	PASS
			1000~26500	-41.56	≤-23.79	PASS
	Ant1	2457	Reference	3.03	---	PASS
			30~1000	-49.3	≤-26.97	PASS
			1000~26500	-41.55	≤-26.97	PASS
	Ant2	2457	Reference	2.96	---	PASS
			30~1000	-49.19	≤-27.04	PASS
			1000~26500	-41.72	≤-27.04	PASS

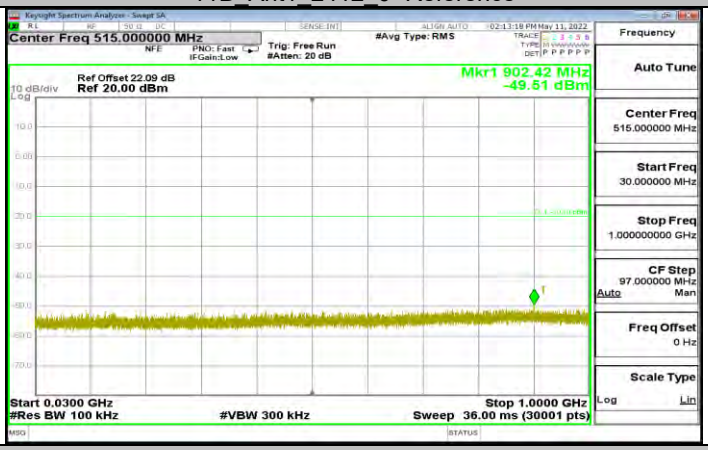
	Ant1	2462	Reference	0.77	---	PASS
			30~1000	-50.04	≤-29.23	PASS
			1000~26500	-40.34	≤-29.23	PASS
	Ant2	2462	Reference	-0.56	---	PASS
			30~1000	-49.64	≤-30.56	PASS
			1000~26500	-41.35	≤-30.56	PASS
11AX40MIMO	Ant1	2422	Reference	-0.77	---	PASS
			30~1000	-50.43	≤-30.77	PASS
			1000~26500	-41.34	≤-30.77	PASS
	Ant2	2422	Reference	-1.44	---	PASS
			30~1000	-49.84	≤-31.44	PASS
			1000~26500	-41.45	≤-31.44	PASS
	Ant1	2427	Reference	0.05	---	PASS
			30~1000	-50.29	≤-29.95	PASS
			1000~26500	-42.00	≤-29.95	PASS
	Ant2	2427	Reference	-0.31	---	PASS
			30~1000	-48.7	≤-30.31	PASS
			1000~26500	-42.14	≤-30.31	PASS
	Ant1	2437	Reference	4.56	---	PASS
			30~1000	-49.63	≤-25.44	PASS
			1000~26500	-42.19	≤-25.44	PASS
	Ant2	2437	Reference	3.80	---	PASS
			30~1000	-48.91	≤-26.2	PASS
			1000~26500	-42.44	≤-26.2	PASS
	Ant1	2447	Reference	-5.33	---	PASS
			30~1000	-49.57	≤-35.33	PASS
			1000~26500	-41.93	≤-35.33	PASS
	Ant2	2447	Reference	-6.18	---	PASS
			30~1000	-49.83	≤-36.18	PASS
			1000~26500	-41.65	≤-36.18	PASS
	Ant1	2452	Reference	-5.46	---	PASS
			30~1000	-50.18	≤-35.46	PASS
			1000~26500	-41.82	≤-35.46	PASS
	Ant2	2452	Reference	-5.90	---	PASS
			30~1000	-49.91	≤-35.9	PASS
			1000~26500	-42.47	≤-35.9	PASS

Note: For 802.11b and 802.11g mode, Both the two antennas had been tested, but only the worst data was recorded in the report.

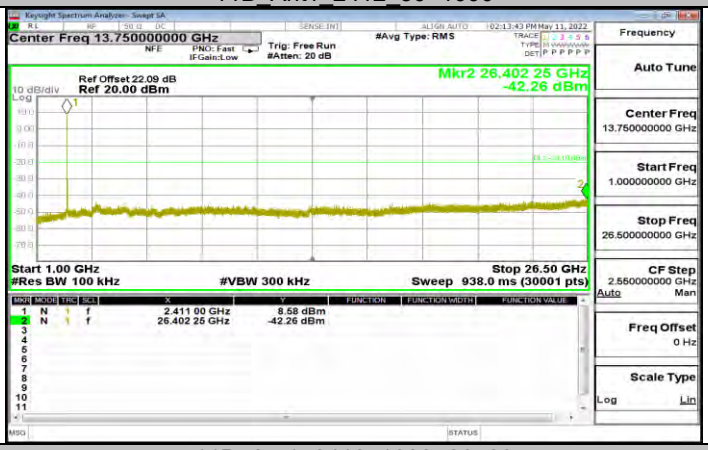
11.6.2. Test Graphs



11B_Ant1_2412_0~Reference

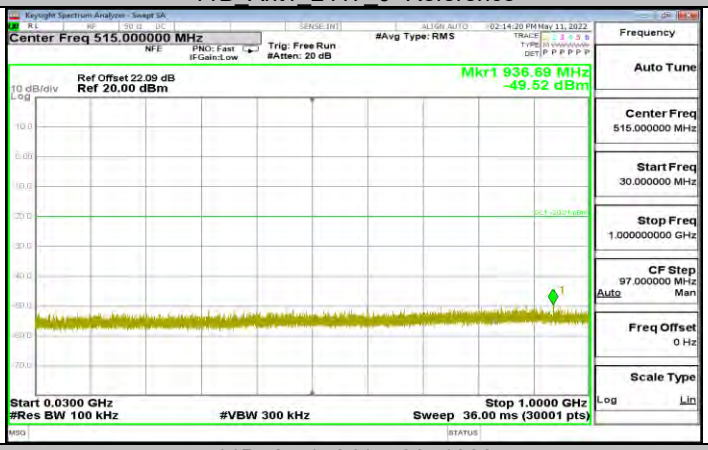


11B_Ant1_2412_30~1000

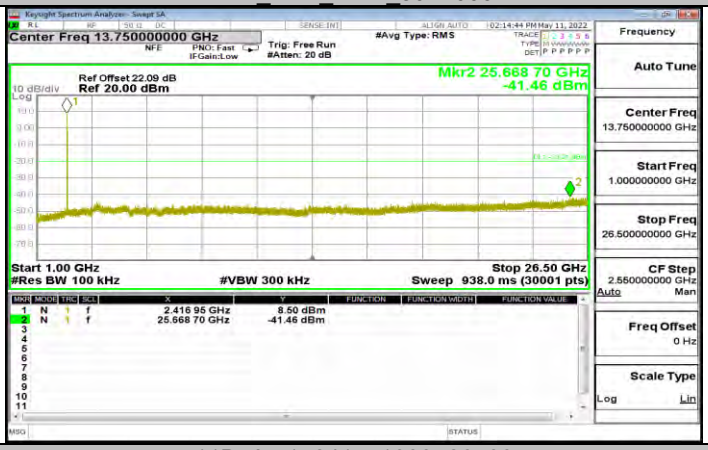


11B_Ant1_2412_1000~26500

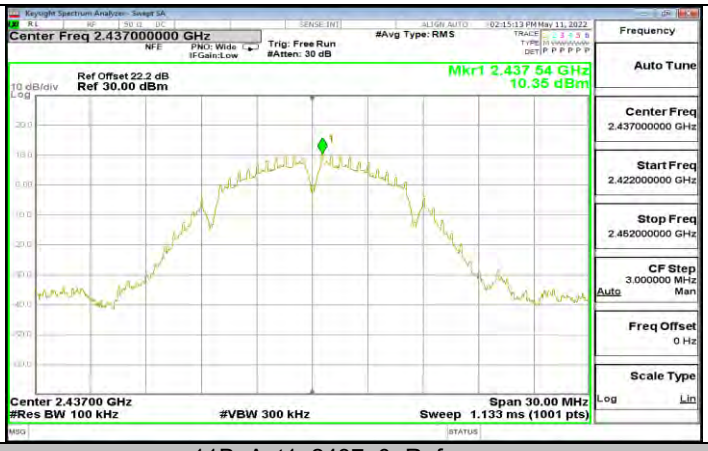
11B_Ant1_2417_0~Reference



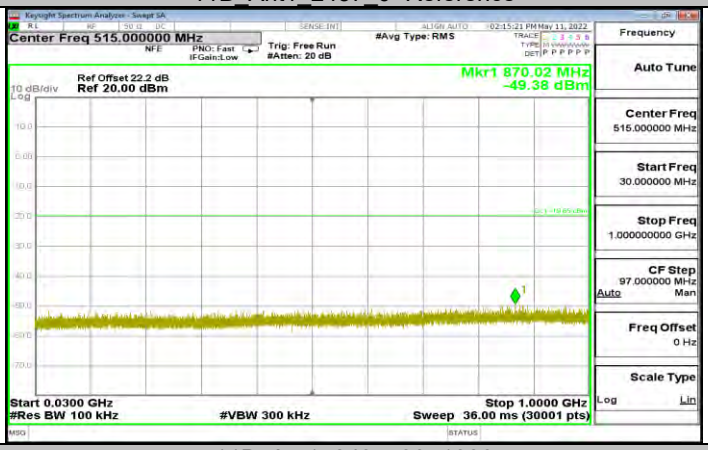
11B_Ant1_2417_30~1000



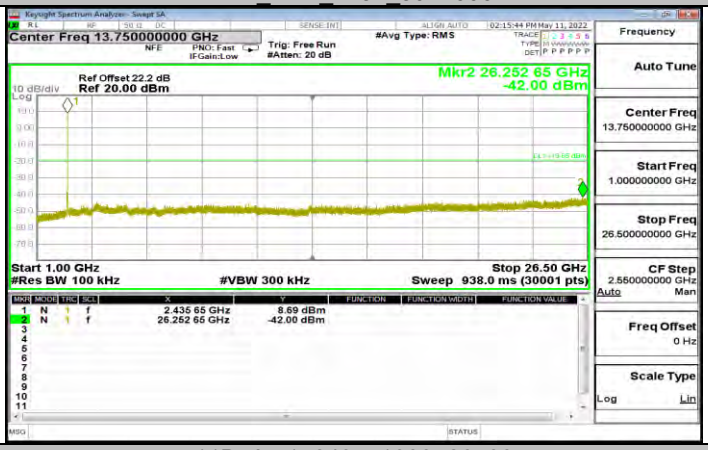
11B_Ant1_2417_1000~26500



11B_Ant1_2437_0~Reference

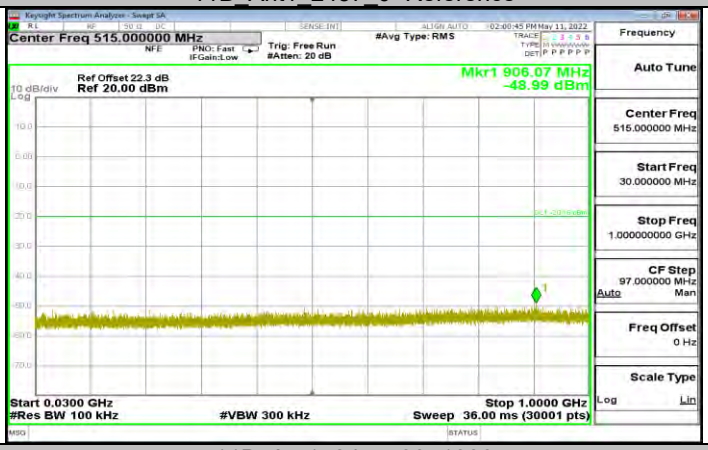


11B_Ant1_2437_30~1000

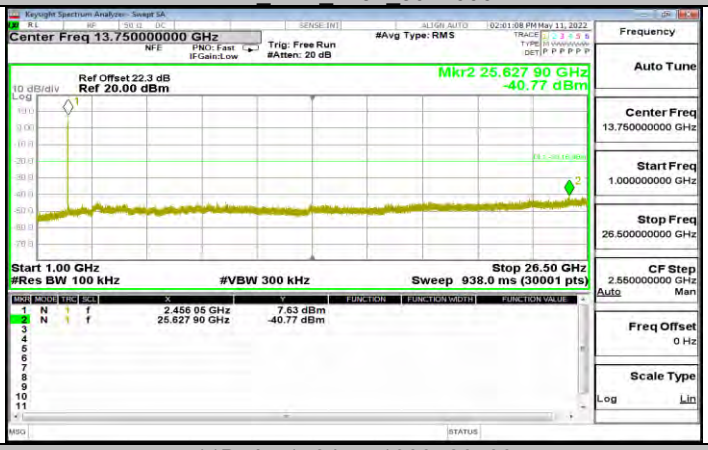


11B_Ant1_2437_1000~26500

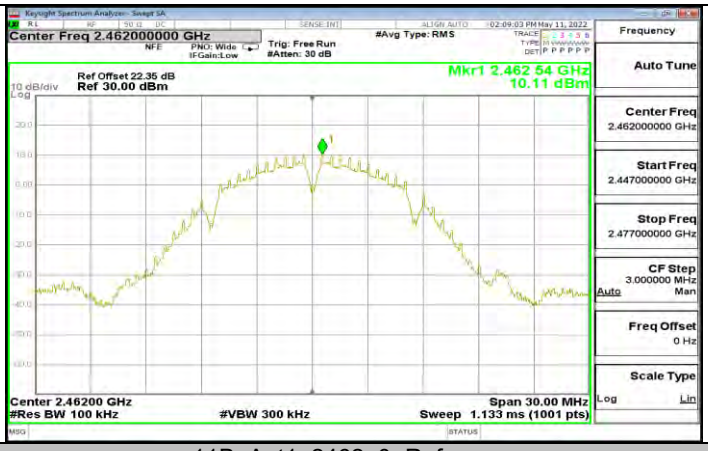
11B_Ant1_2457_0~Reference



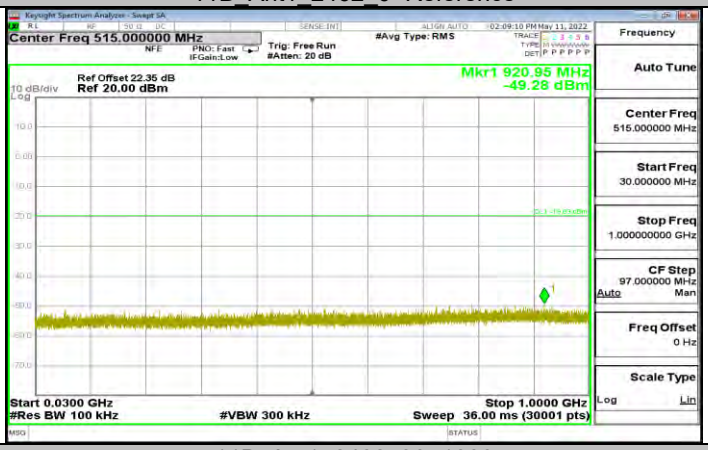
11B_Ant1_2457_30~1000



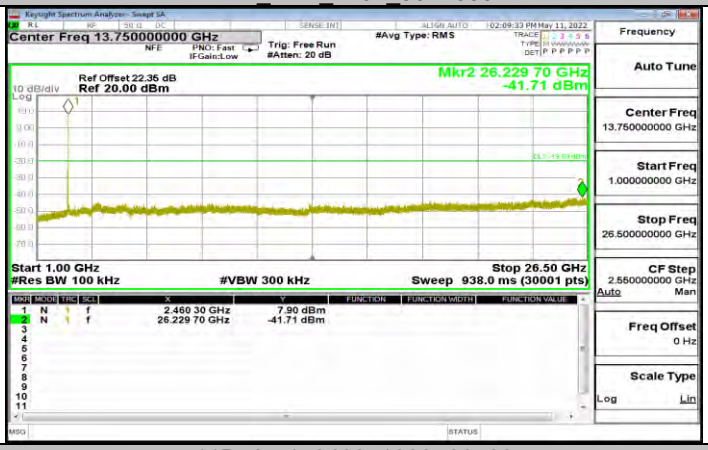
11B_Ant1_2457_1000~26500



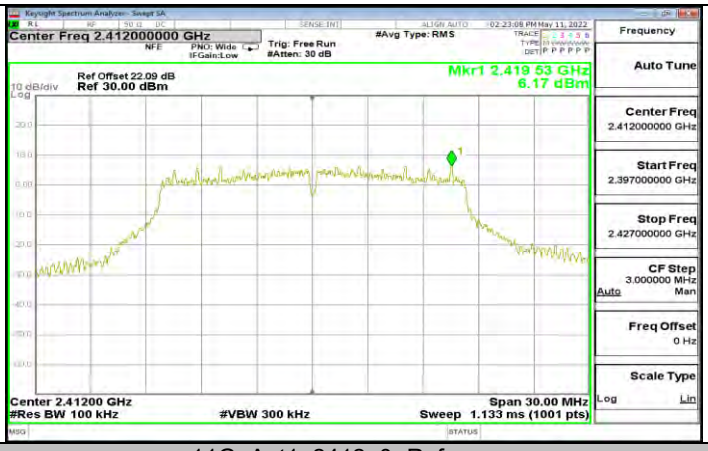
11B_Ant1_2462_0~Reference



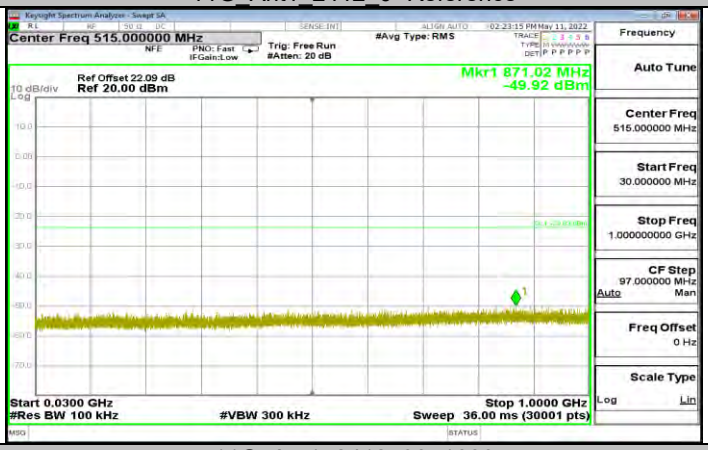
11B_Ant1_2462_30~1000



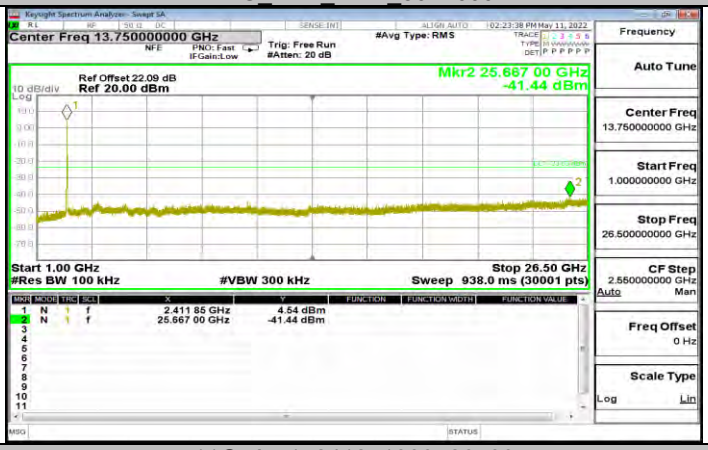
11B_Ant1_2462_1000~26500



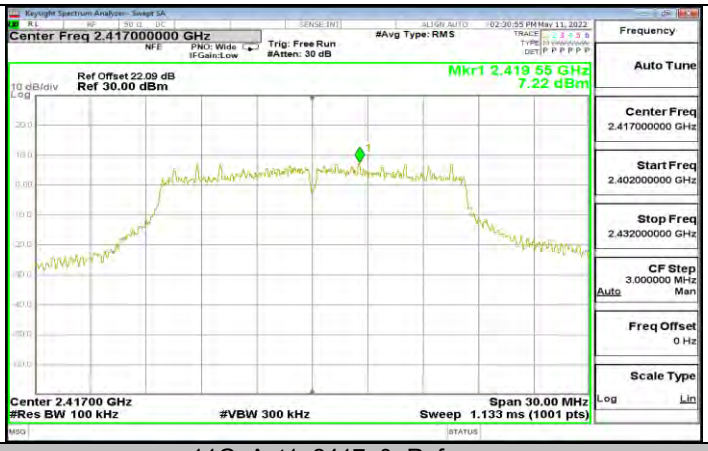
11G_Ant1_2412_0~Reference



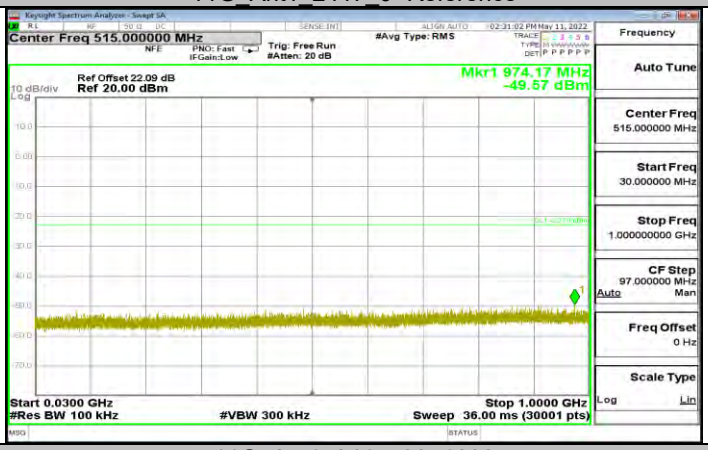
11G_Ant1_2412_30~1000



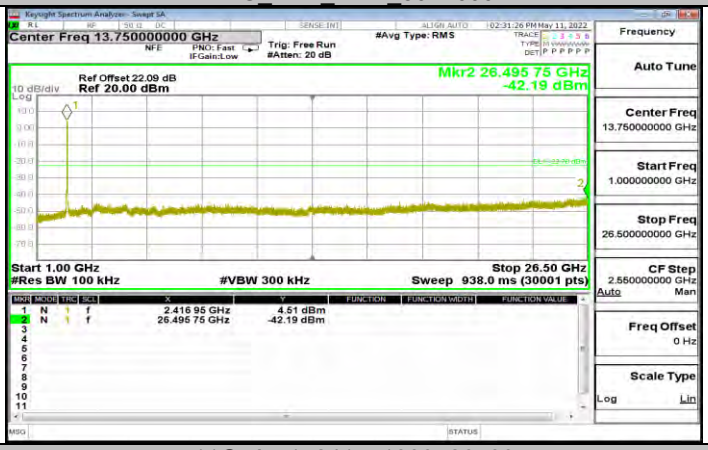
11G_Ant1_2412_1000~26500



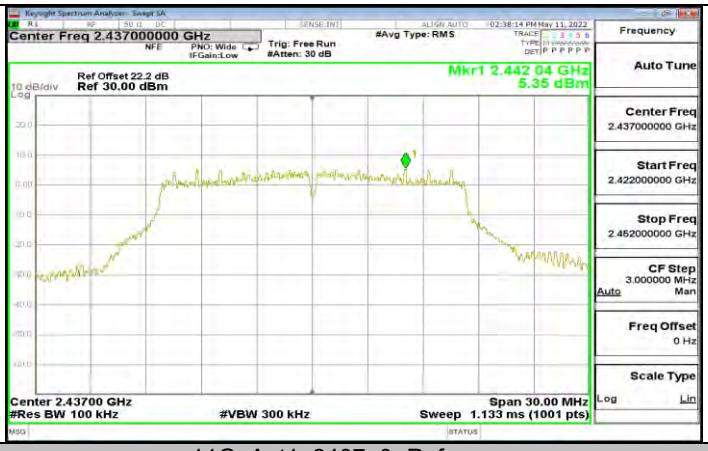
11G_Ant1_2417_0~Reference



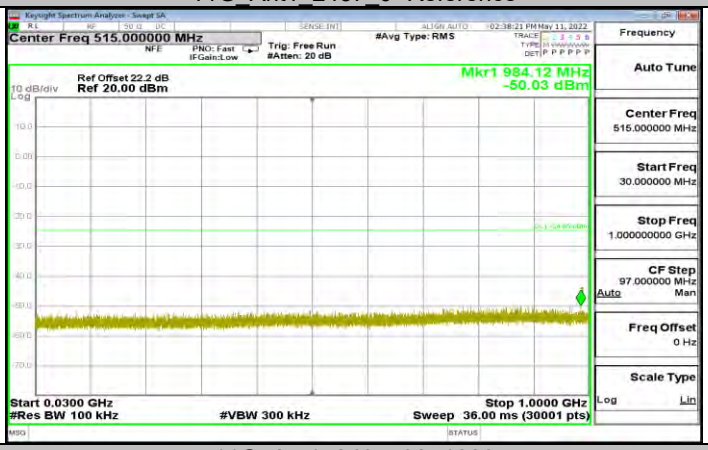
11G_Ant1_2417_30~1000



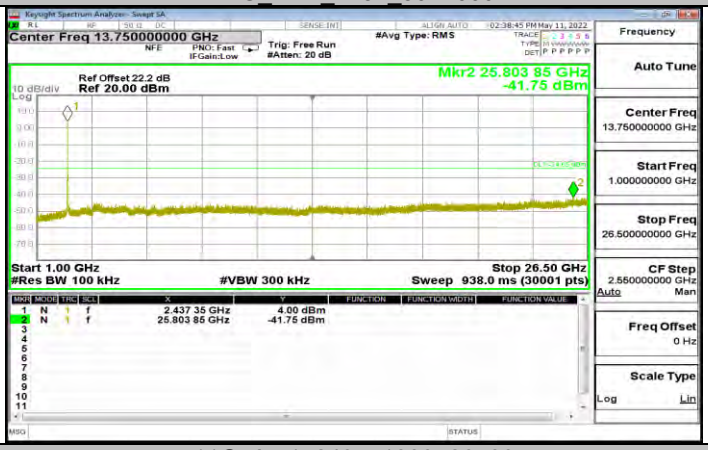
11G_Ant1_2417_1000~26500



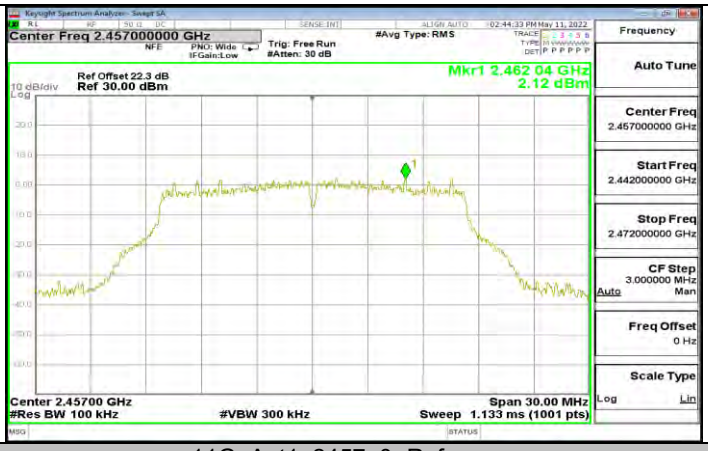
11G_Ant1_2437_0~Reference



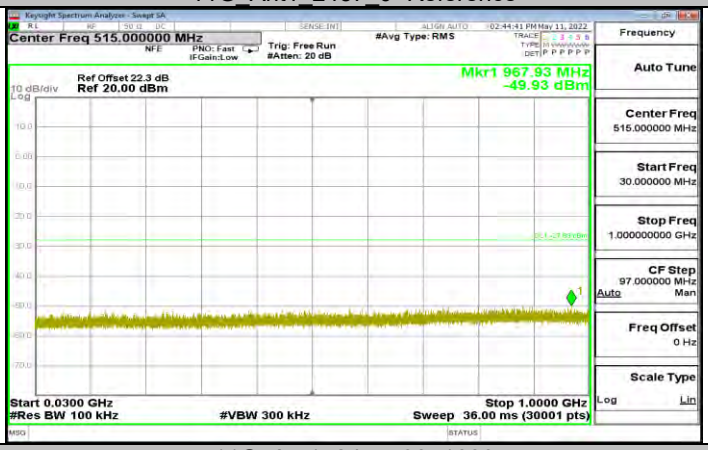
11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500



11G_Ant1_2457_0~Reference



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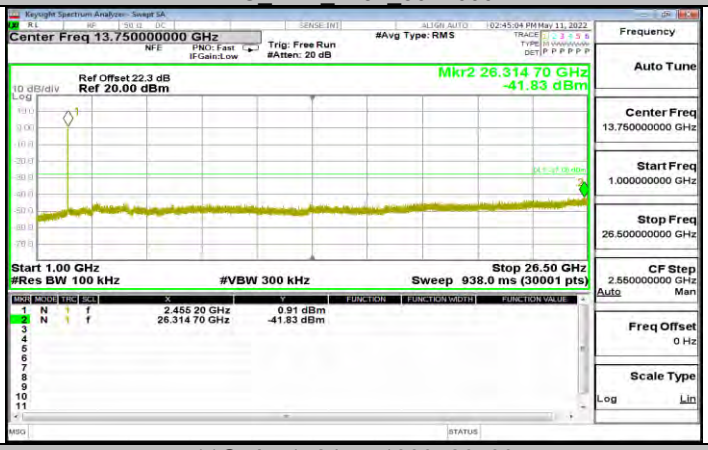

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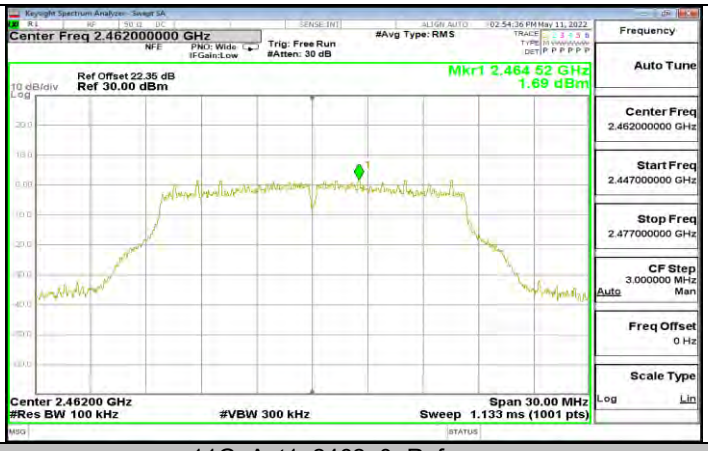

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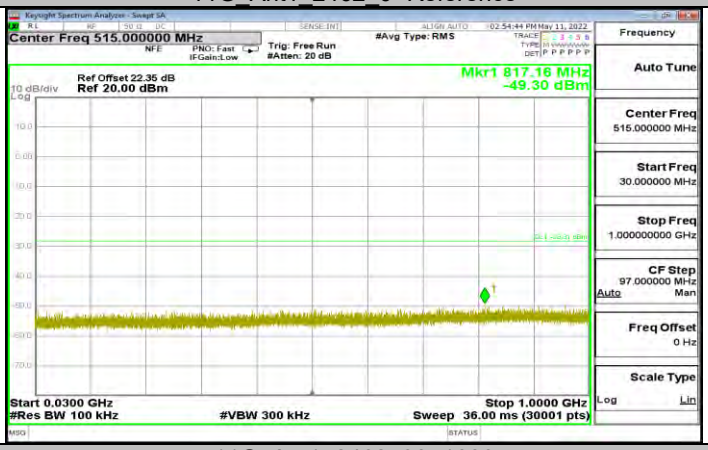

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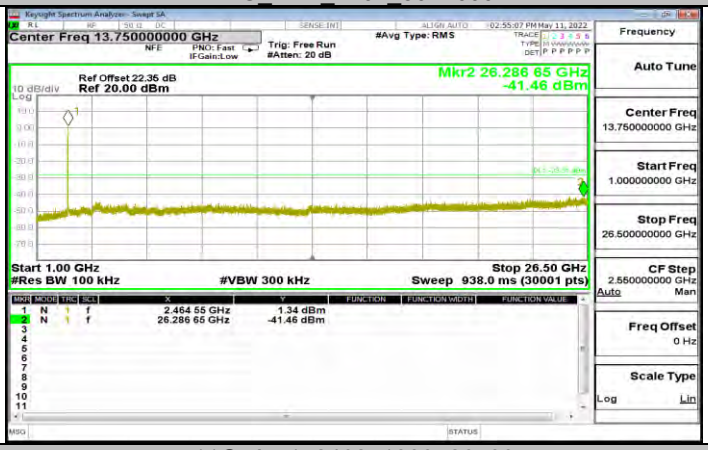

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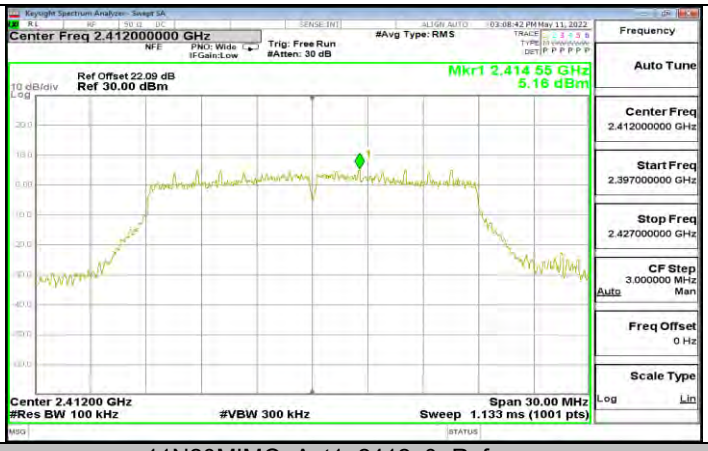
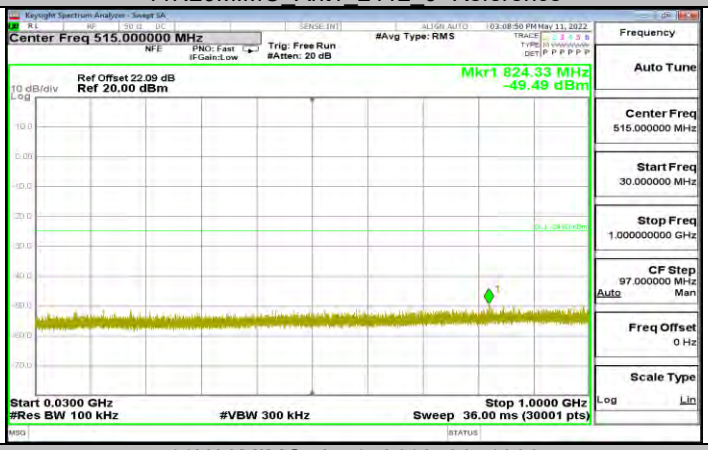


11N20MIMO_Ant1_2412_0~Reference



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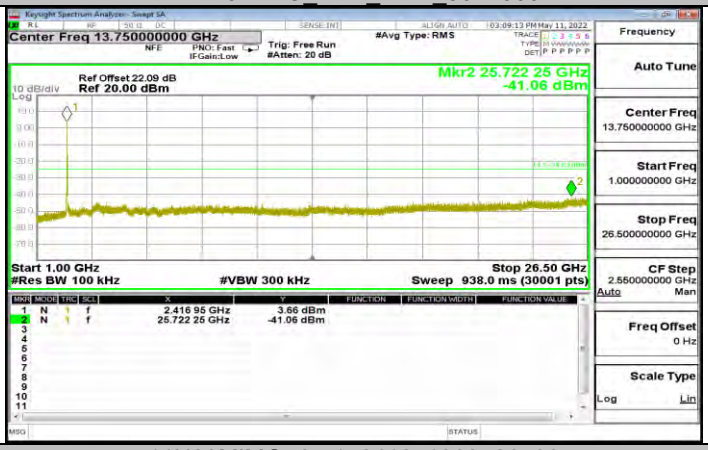
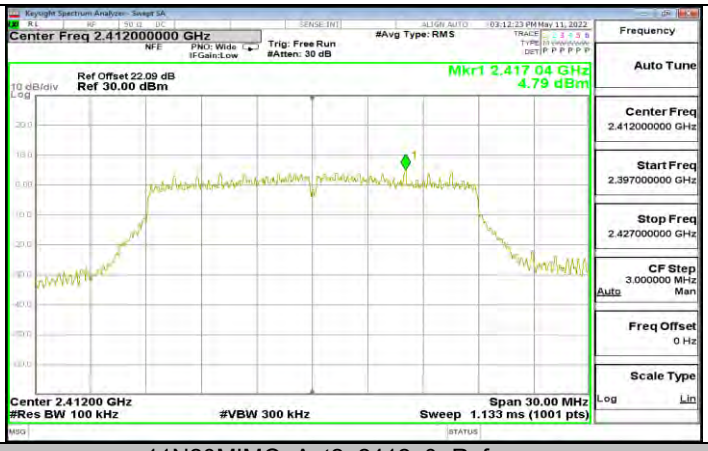


11N20MIMO_Ant1_2412_1000~26500



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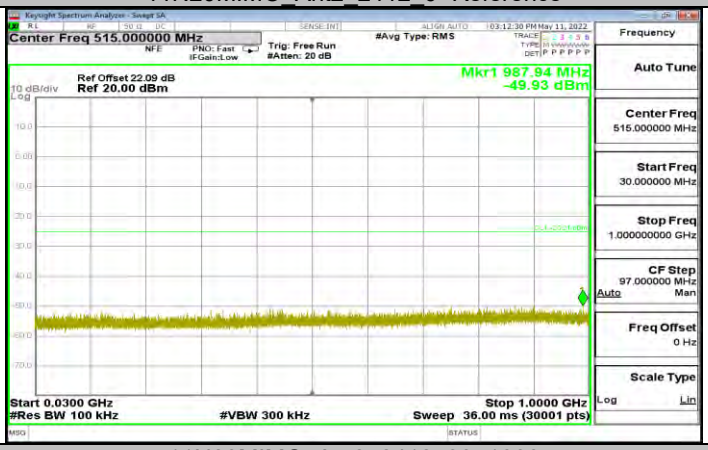
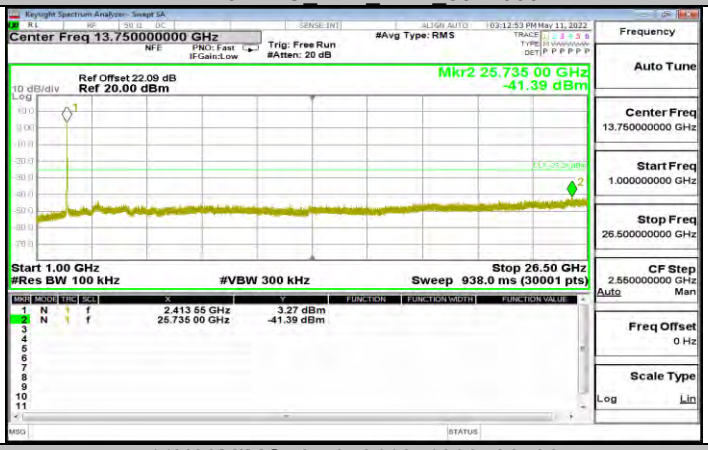
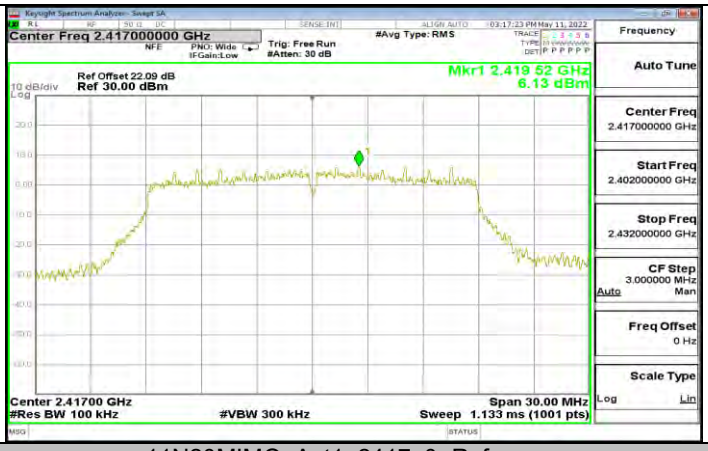


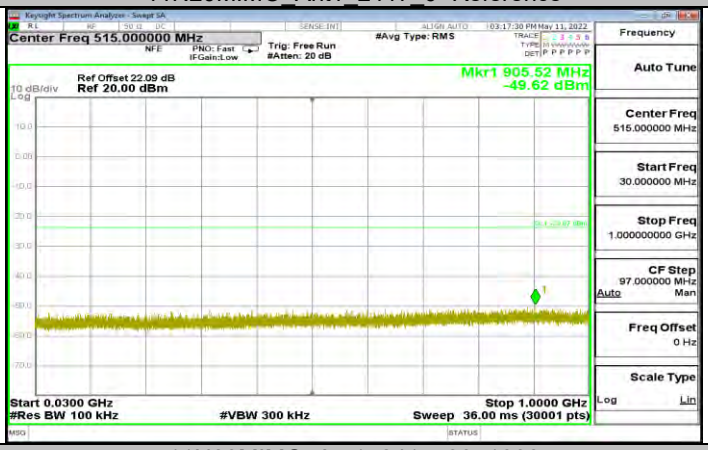
11N20MIMO_Ant2_2412_30~1000



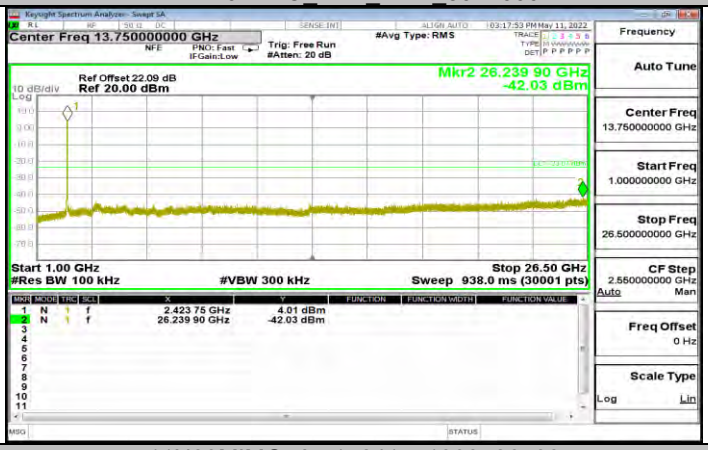
11N20MIMO_Ant2_2412_1000~26500



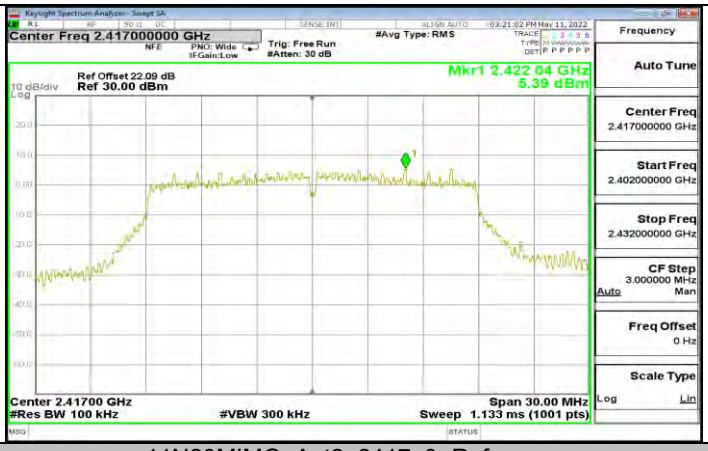
11N20MIMO_Ant1_2417_0~Reference



11N20MIMO_Ant1_2417_30~1000



11N20MIMO_Ant1_2417_1000~26500



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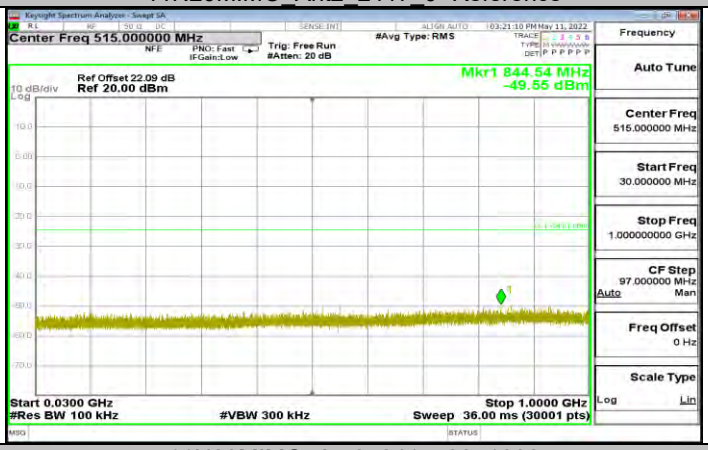
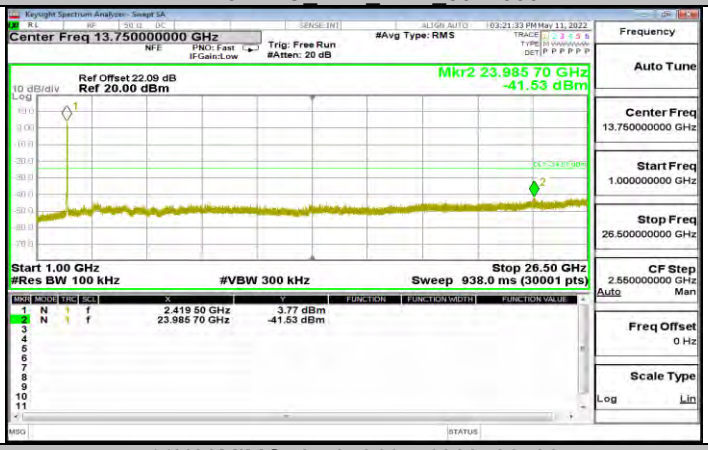
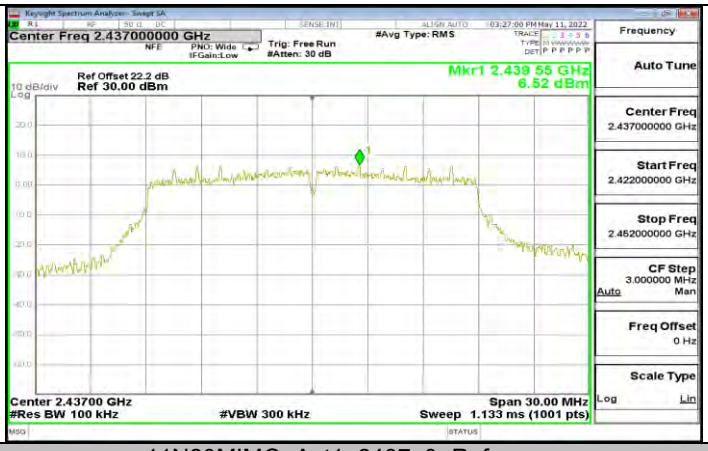


11N20MIMO_Ant2_2417_30~1000



11N20MIMO_Ant2_2417_1000~26500



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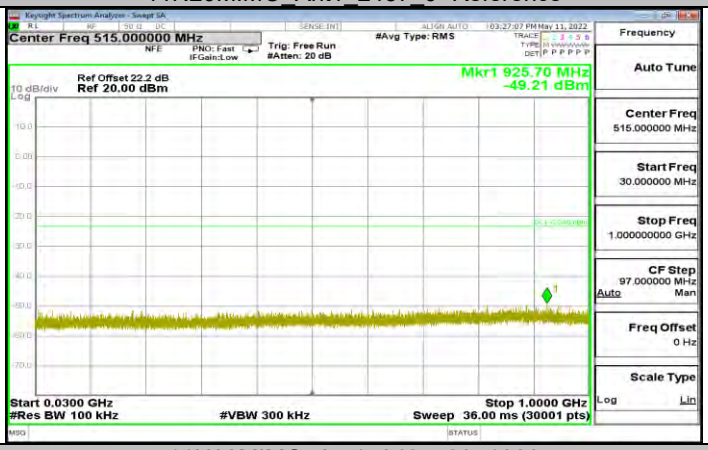
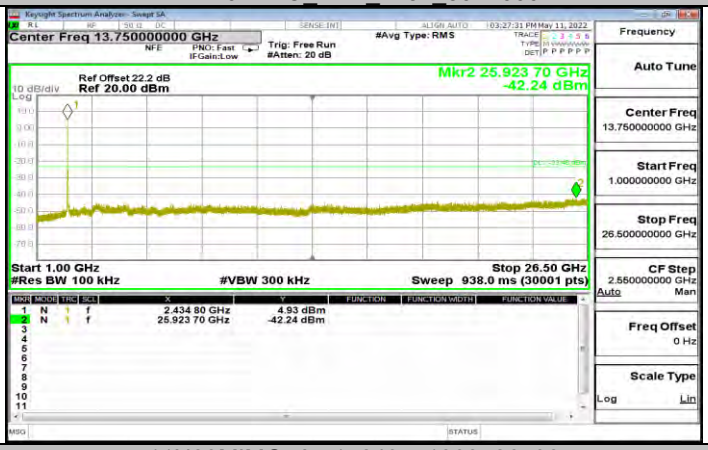
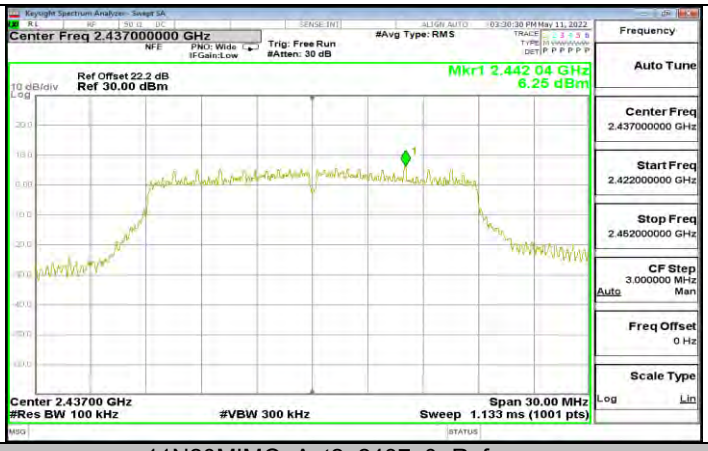


11N20MIMO_Ant1_2437_30~1000



11N20MIMO_Ant1_2437_1000~26500



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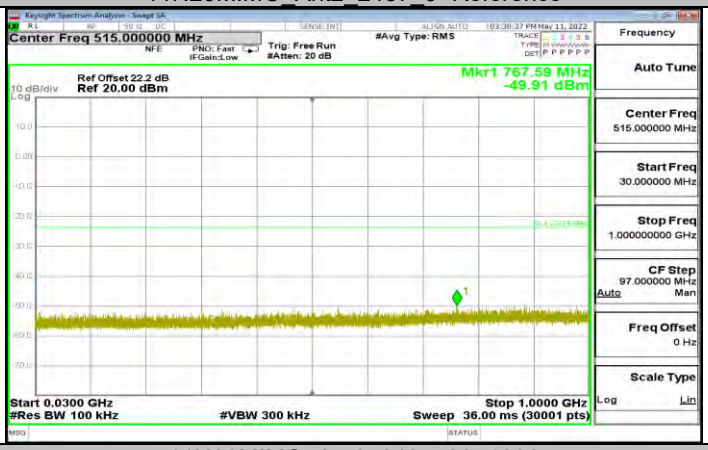
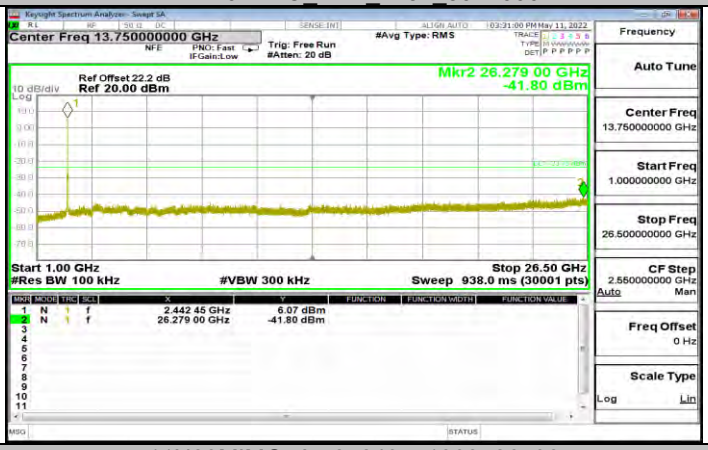
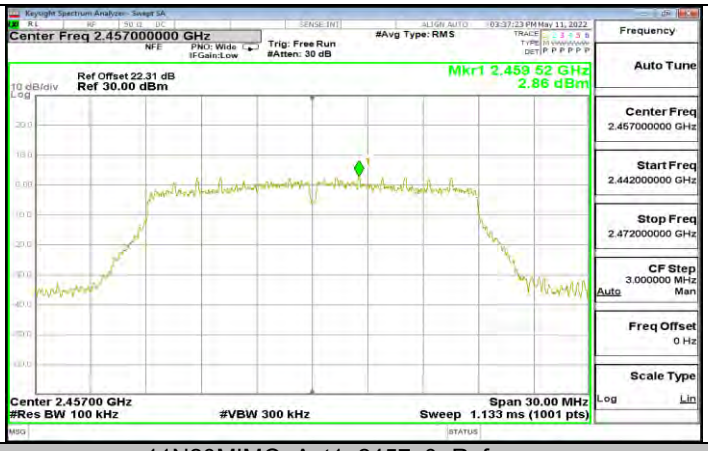


11N20MIMO_Ant2_2437_30~1000



11N20MIMO_Ant2_2437_1000~26500



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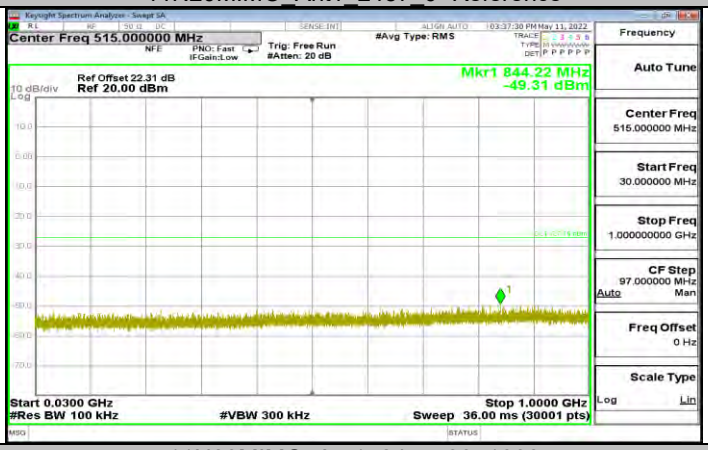
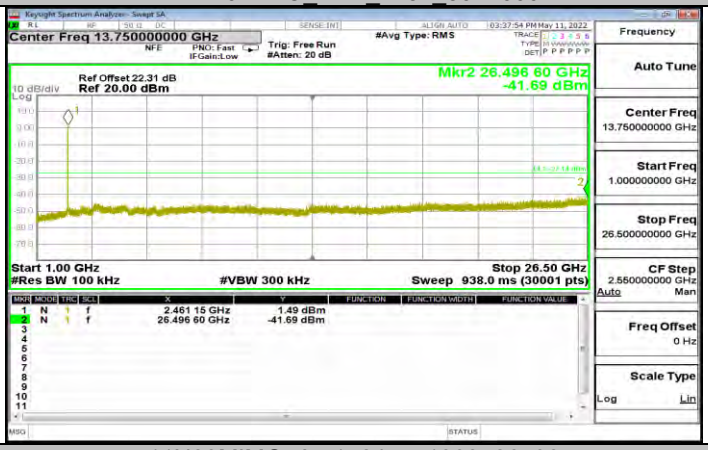
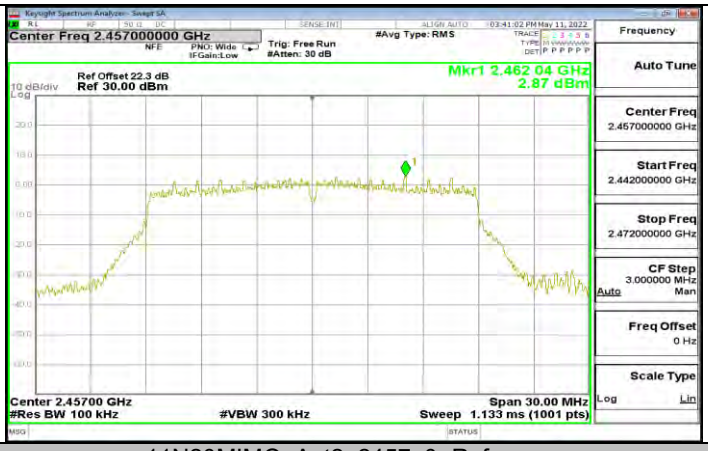


11N20MIMO_Ant1_2457_30~1000



11N20MIMO_Ant1_2457_1000~26500



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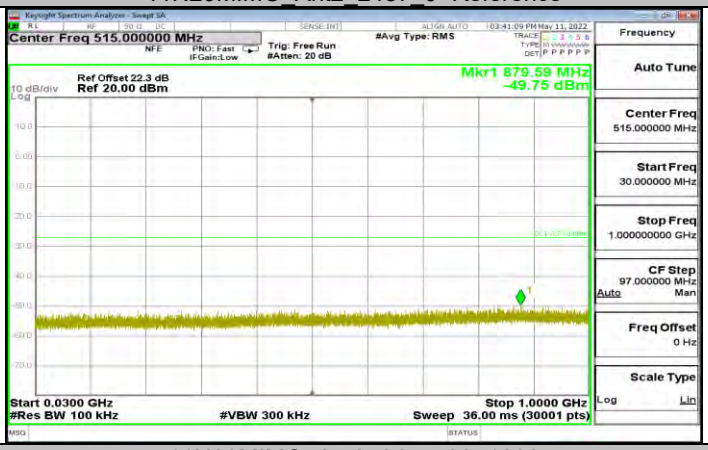
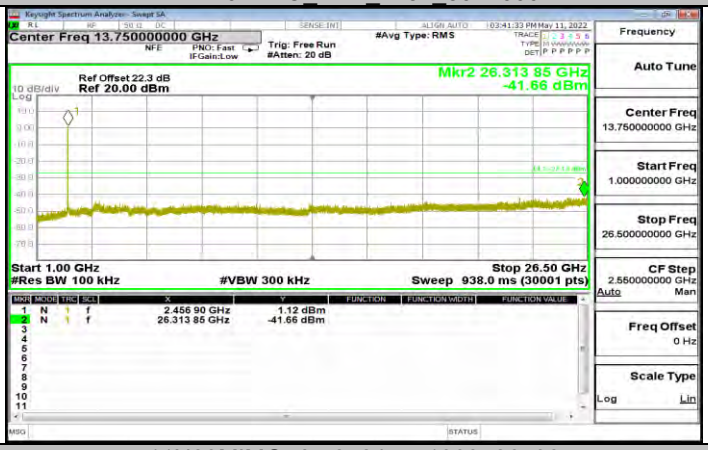


11N20MIMO_Ant2_2457_30~1000



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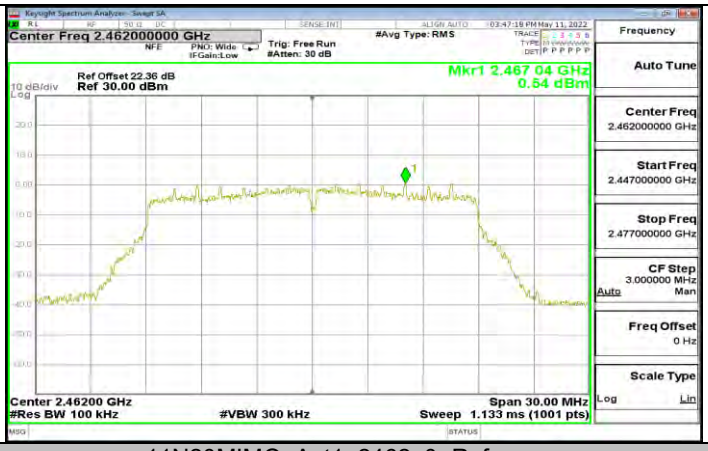

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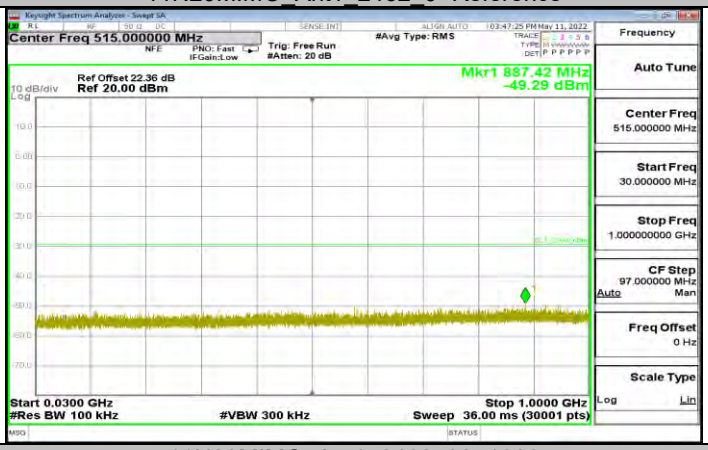
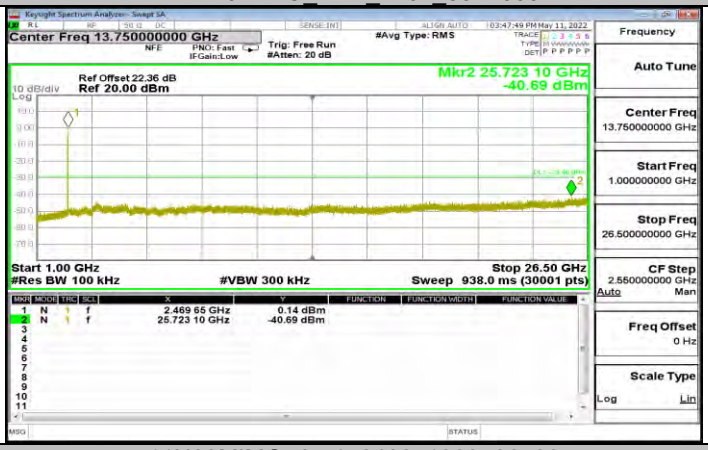


11N20MIMO_Ant1_2462_30~1000



11N20MIMO_Ant1_2462_1000~26500

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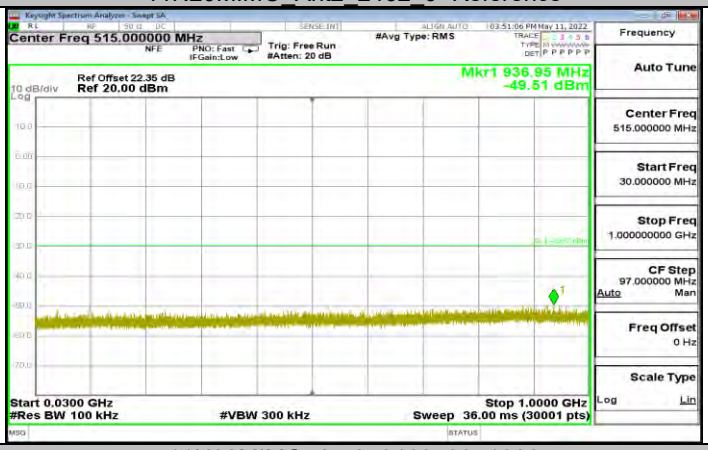
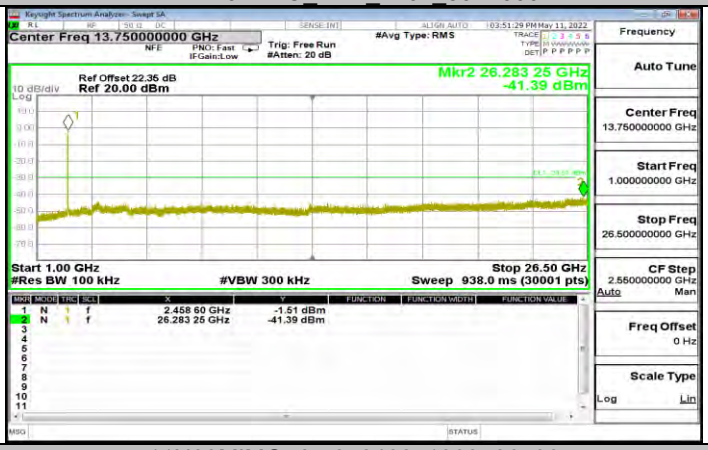
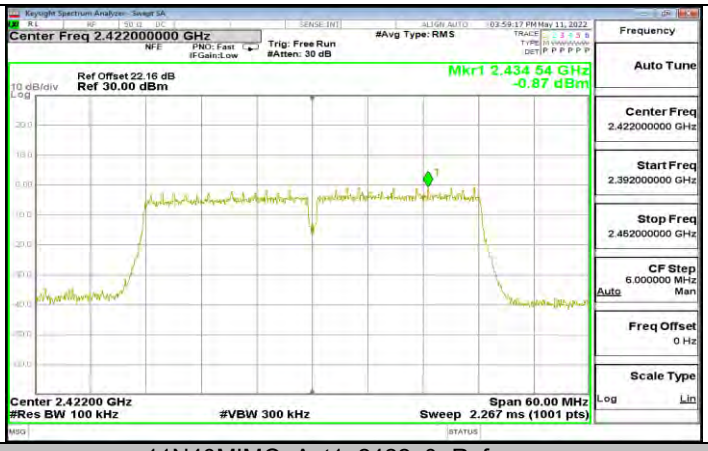


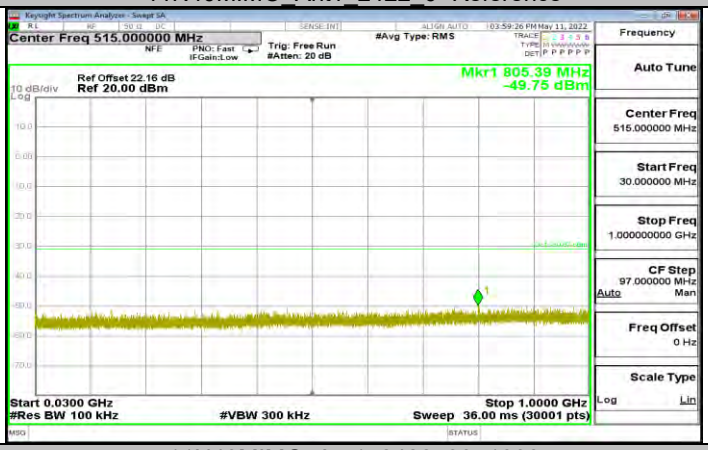
11N20MIMO_Ant2_2462_30~1000



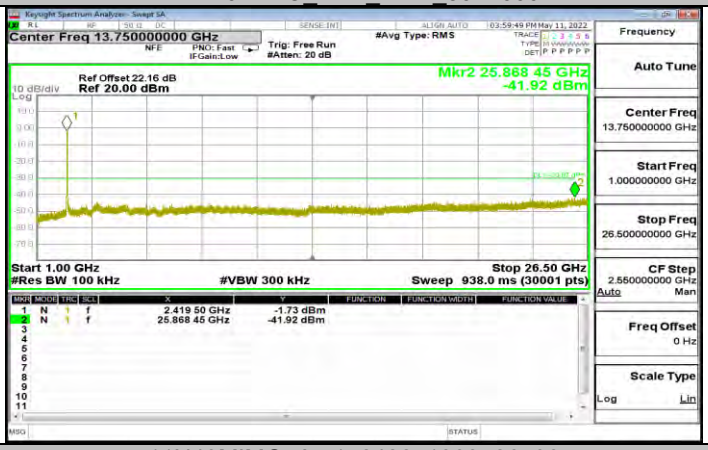
11N20MIMO_Ant2_2462_1000~26500



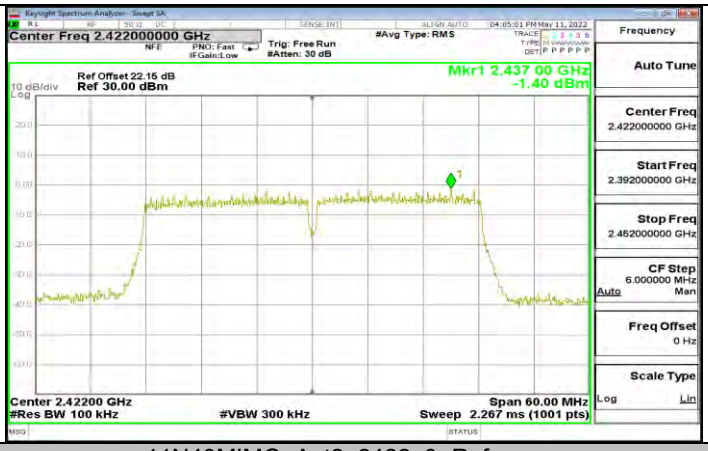
11N40MIMO_Ant1_2422_0~Reference



11N40MIMO_Ant1_2422_30~1000



11N40MIMO_Ant1_2422_1000~26500



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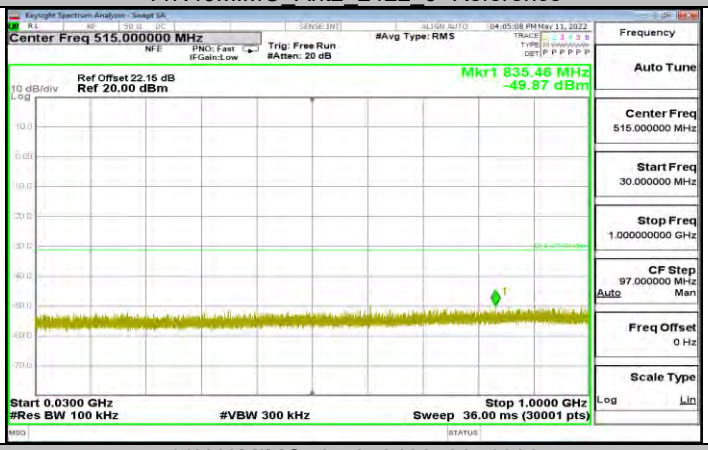
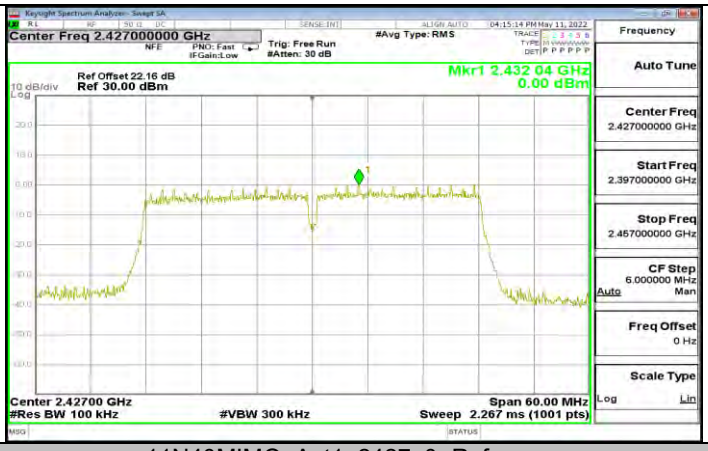


11N40MIMO_Ant2_2422_30~1000

11N40MIMO_Ant2_2422_1000~26500



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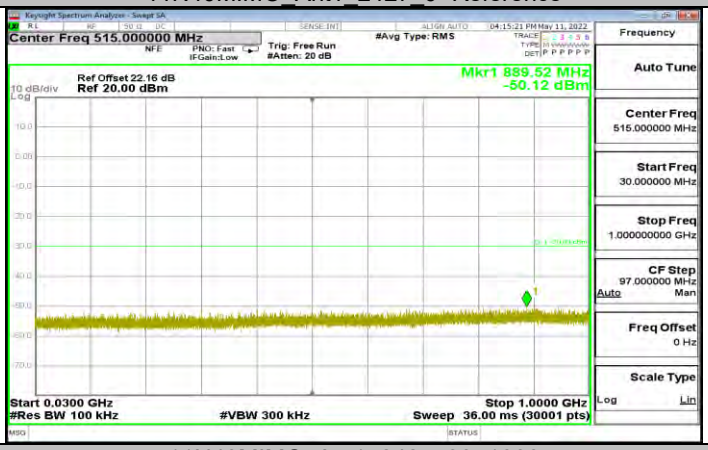
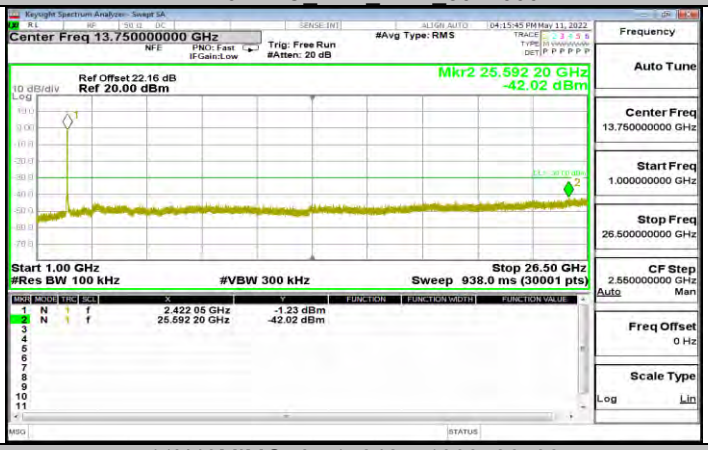
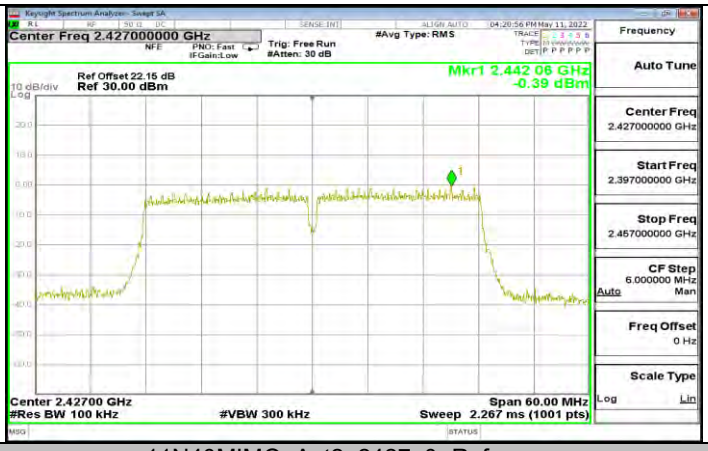


11N40MIMO_Ant1_2427_30~1000



11N40MIMO_Ant1_2427_1000~26500



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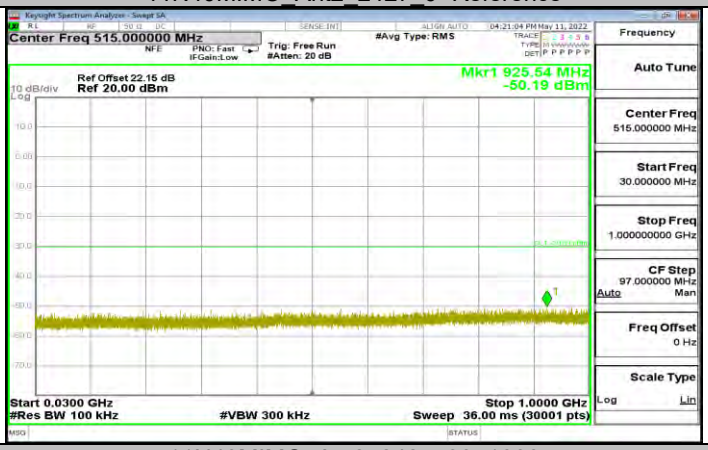
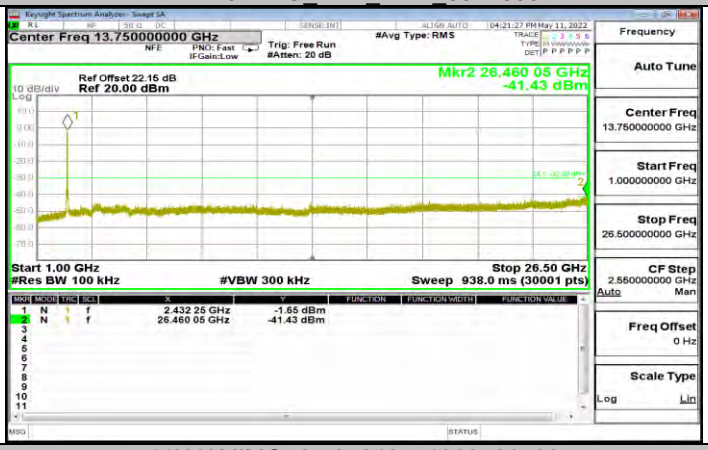
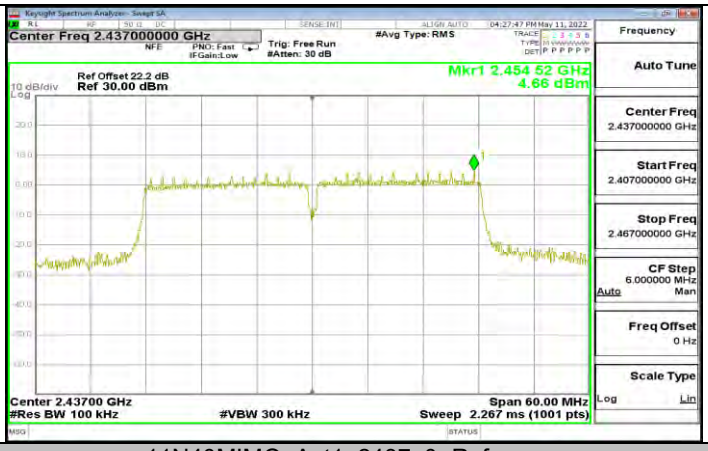


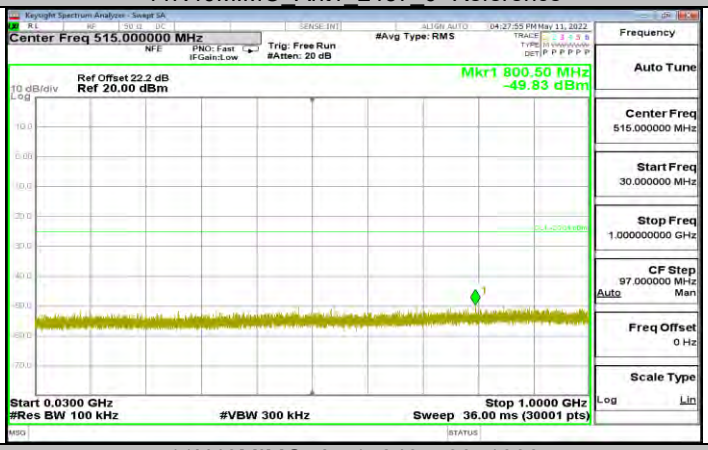
11N40MIMO_Ant2_2427_30~1000



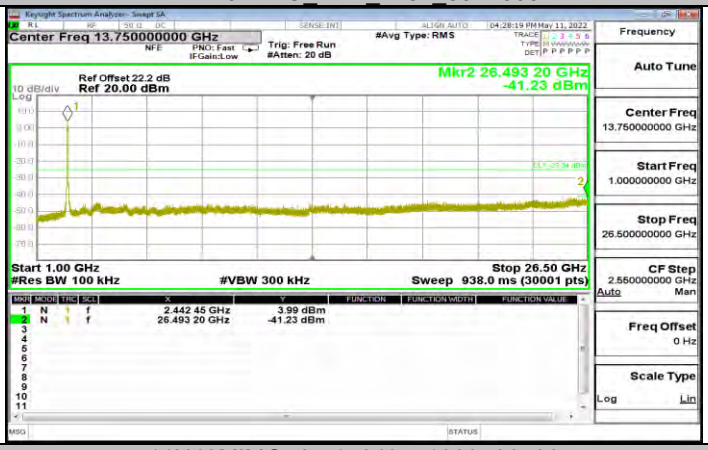
11N40MIMO_Ant2_2427_1000~26500



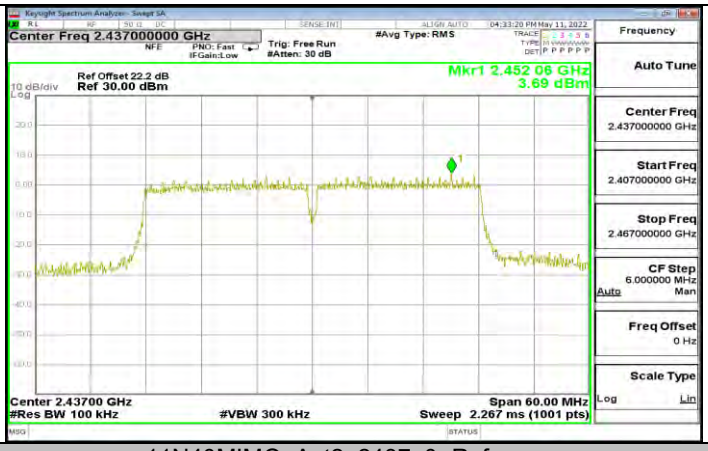
11N40MIMO_Ant1_2437_0~Reference



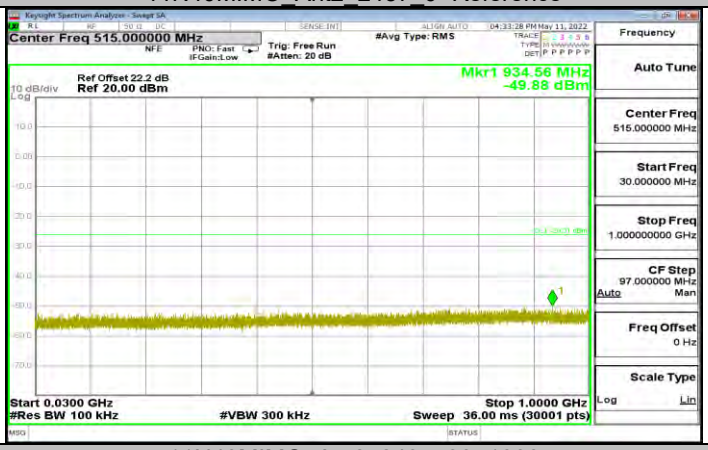
11N40MIMO_Ant1_2437_30~1000



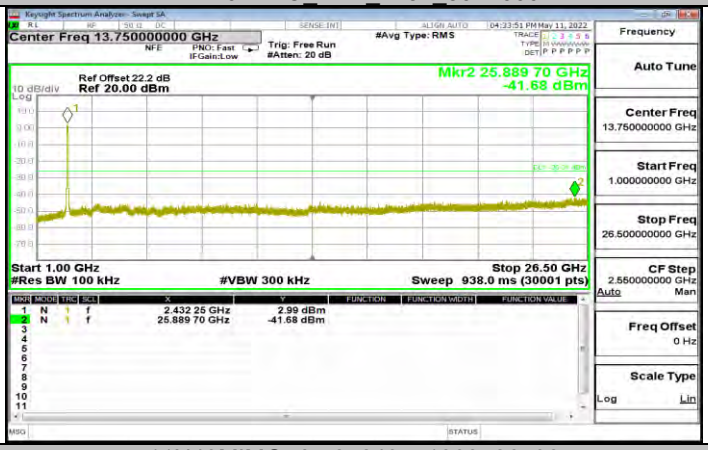
11N40MIMO_Ant1_2437_1000~26500



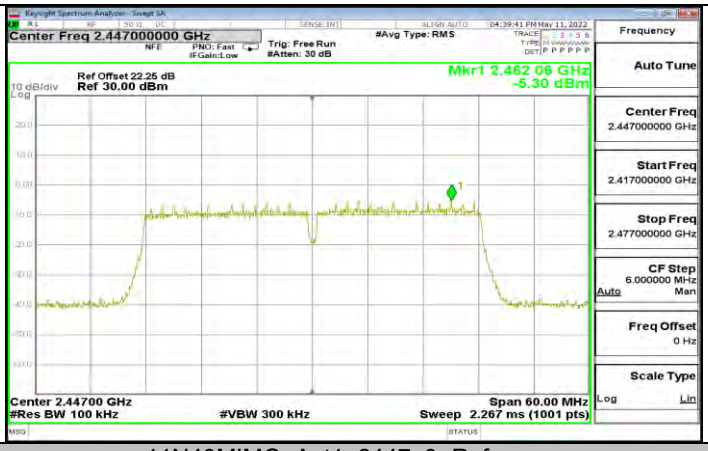
11N40MIMO_Ant2_2437_0~Reference



11N40MIMO_Ant2_2437_30~1000



11N40MIMO_Ant2_2437_1000~26500



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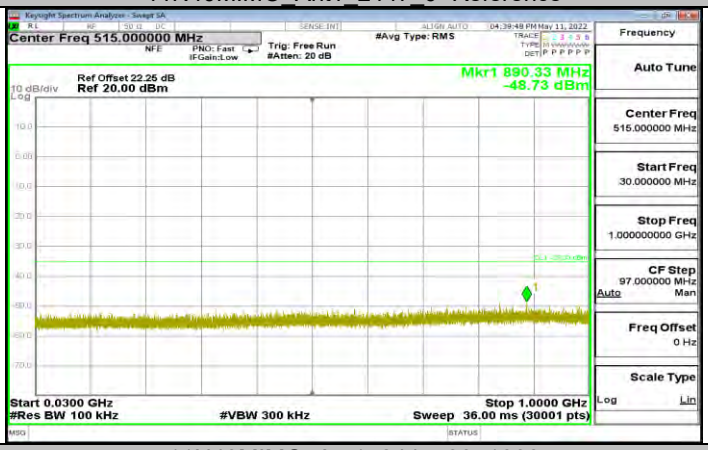
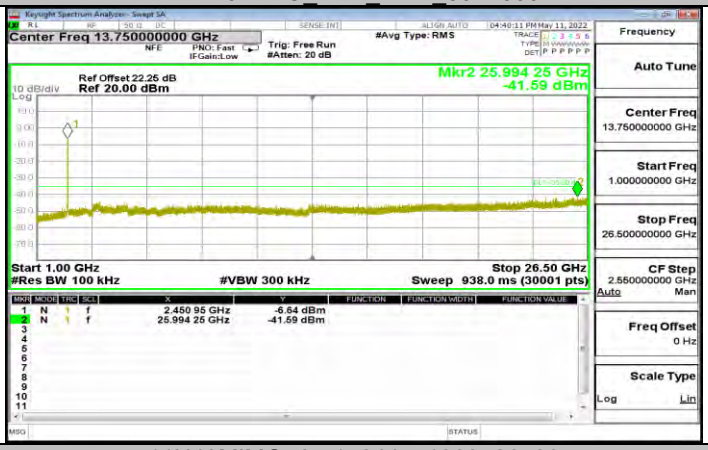
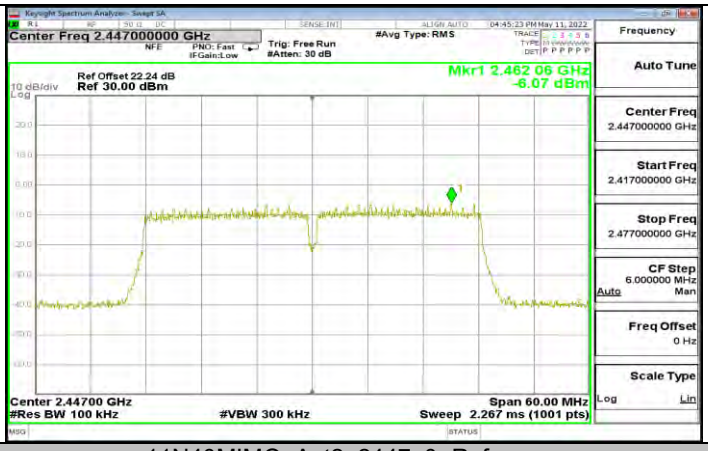


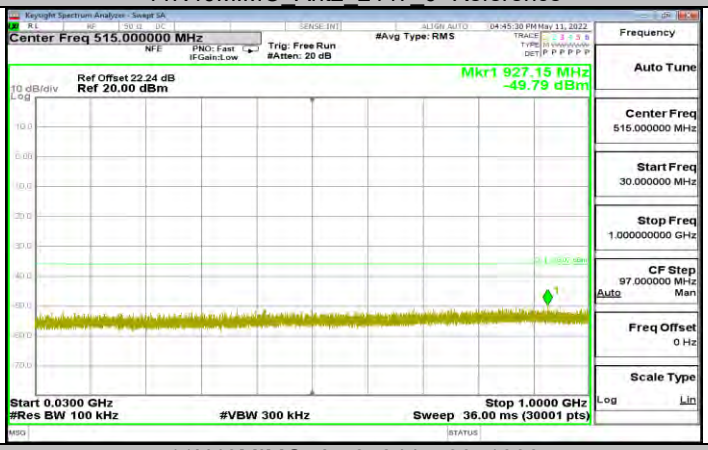
11N40MIMO_Ant1_2447_30~1000



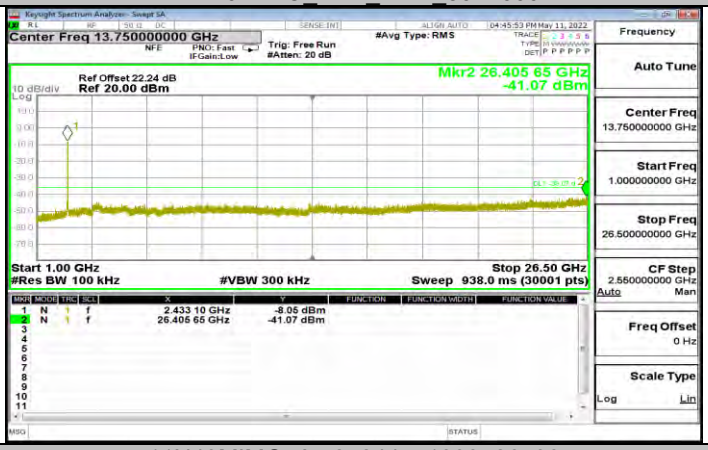
11N40MIMO_Ant1_2447_1000~26500



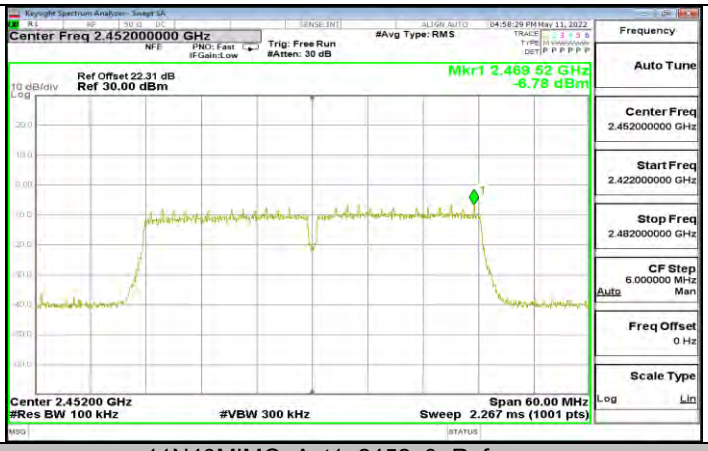
11N40MIMO_Ant2_2447_0~Reference



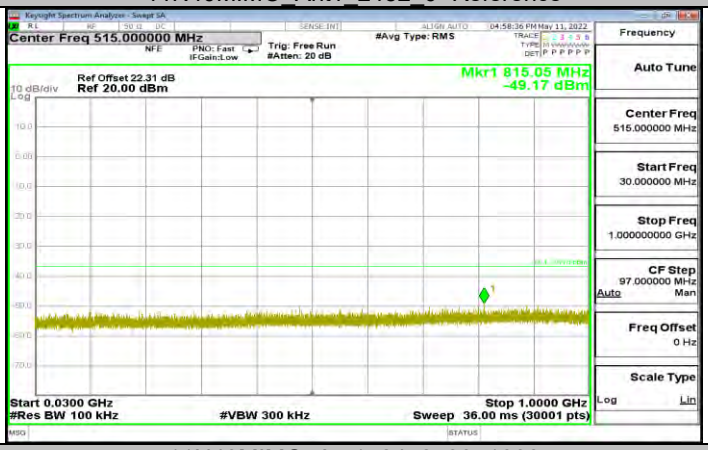
11N40MIMO_Ant2_2447_30~1000



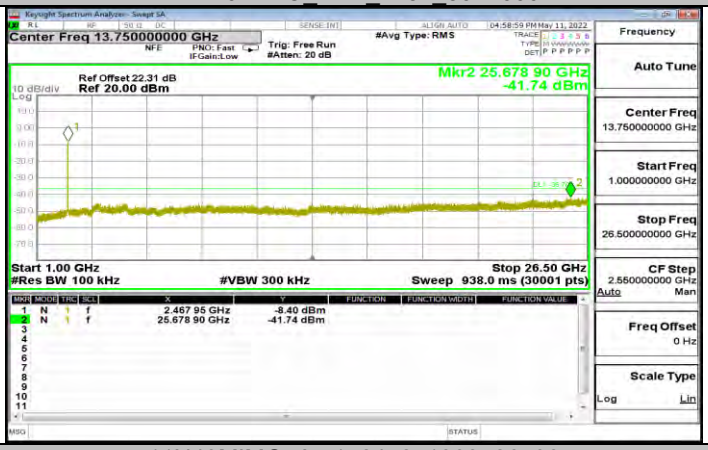
11N40MIMO_Ant2_2447_1000~26500



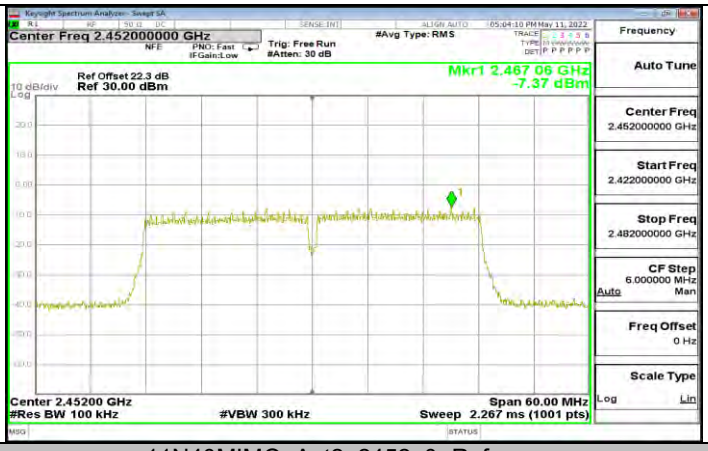
11N40MIMO_Ant1_2452_0~Reference



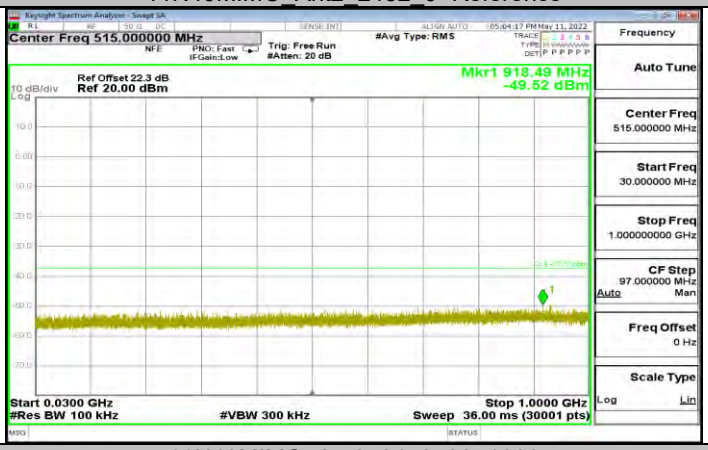
11N40MIMO_Ant1_2452_30~1000



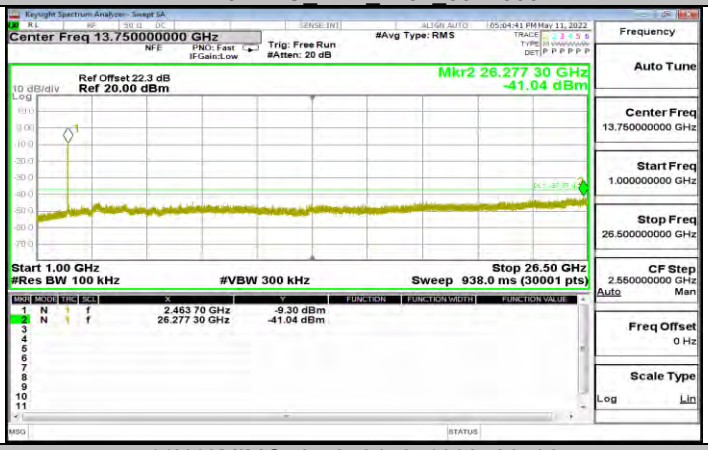
11N40MIMO_Ant1_2452_1000~26500



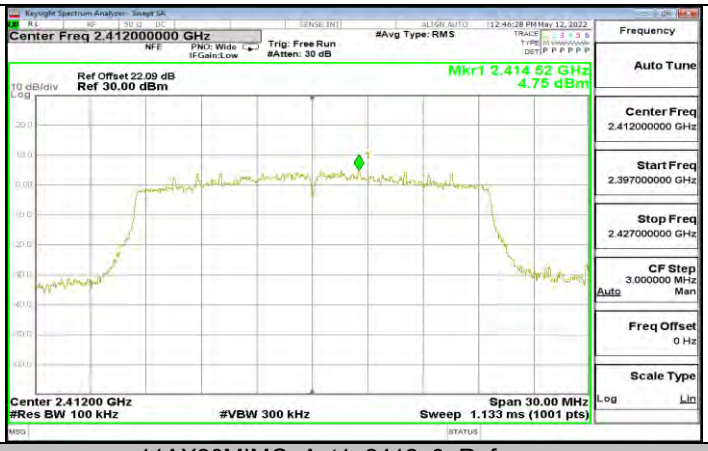
11N40MIMO_Ant2_2452_0~Reference



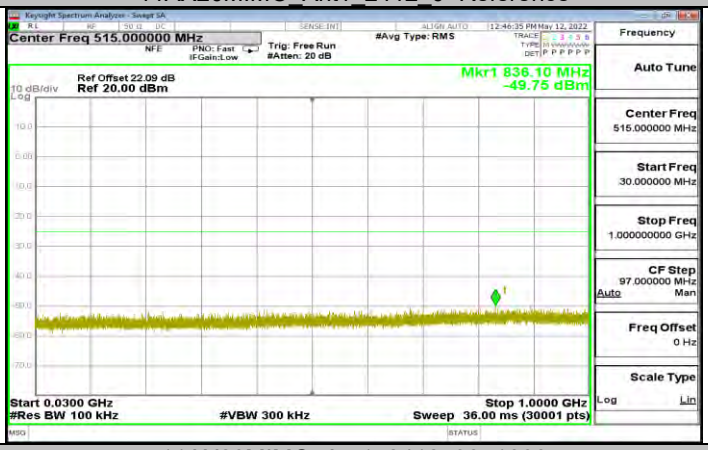
11N40MIMO_Ant2_2452_30~1000



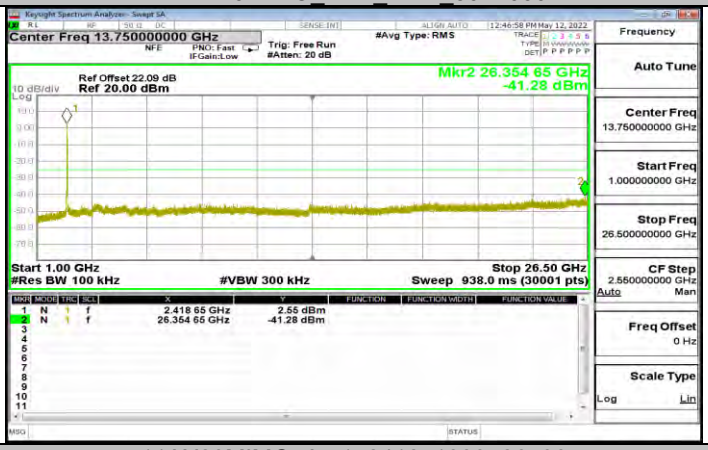
11N40MIMO_Ant2_2452_1000~26500



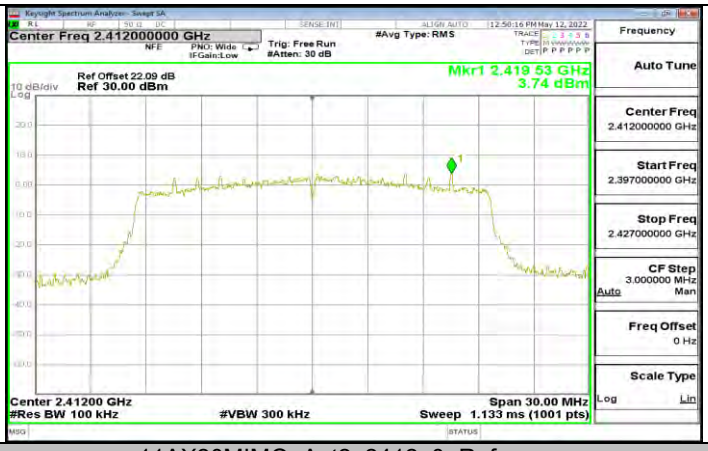
11AX20MIMO_Ant1_2412_0~Reference



11AX20MIMO_Ant1_2412_30~1000



11AX20MIMO_Ant1_2412_1000~26500



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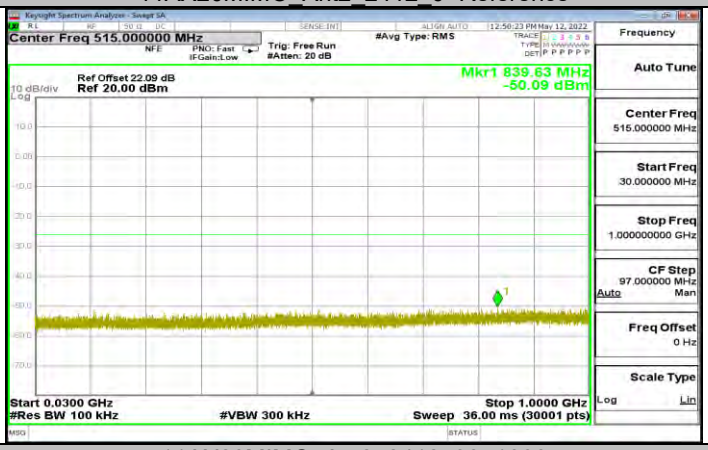
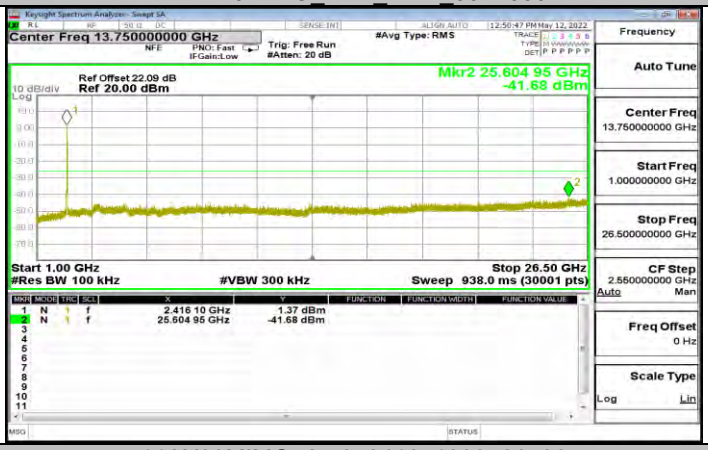


11AX20MIMO_Ant2_2412_30~1000



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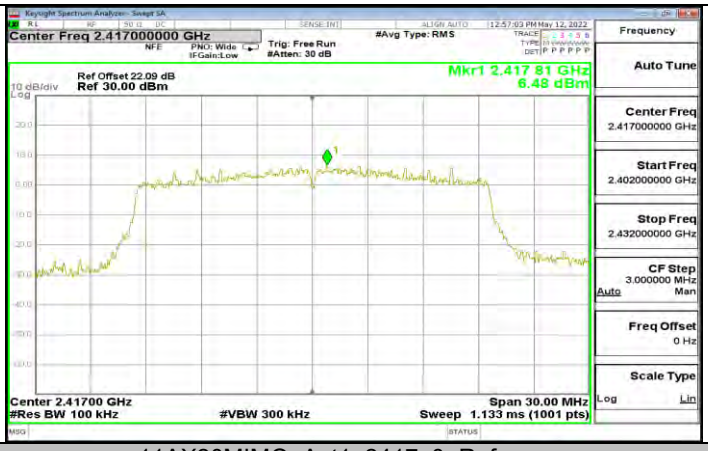
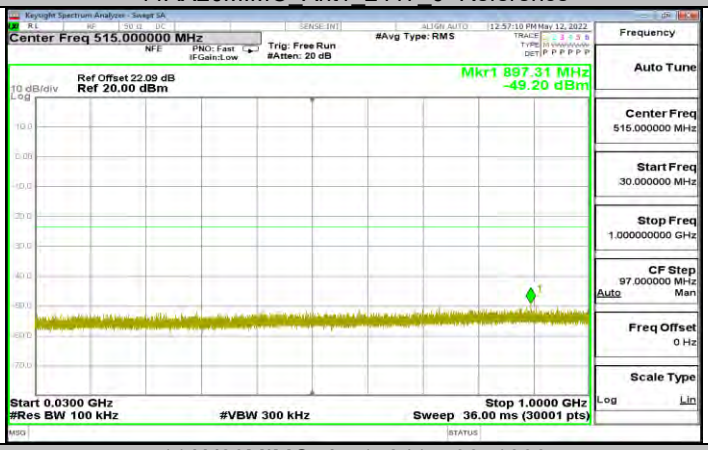
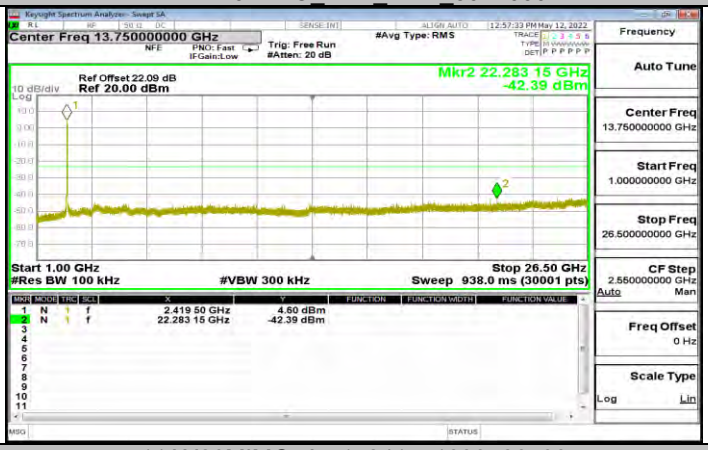


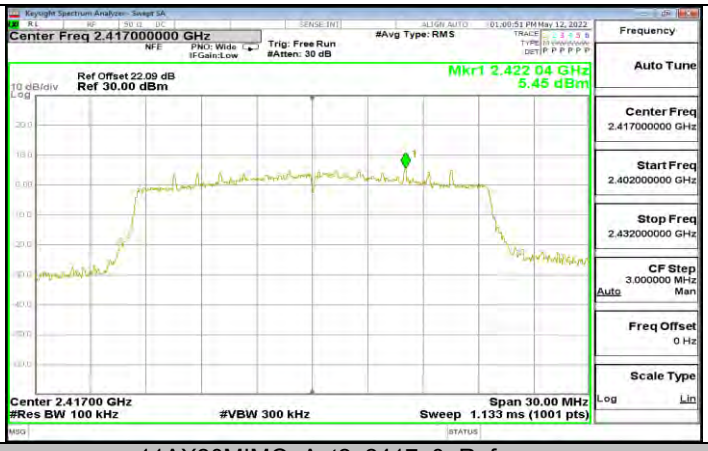
11AX20MIMO_Ant1_2417_0~Reference



11AX20MIMO_Ant1_2417_30~1000



11AX20MIMO_Ant1_2417_1000~26500



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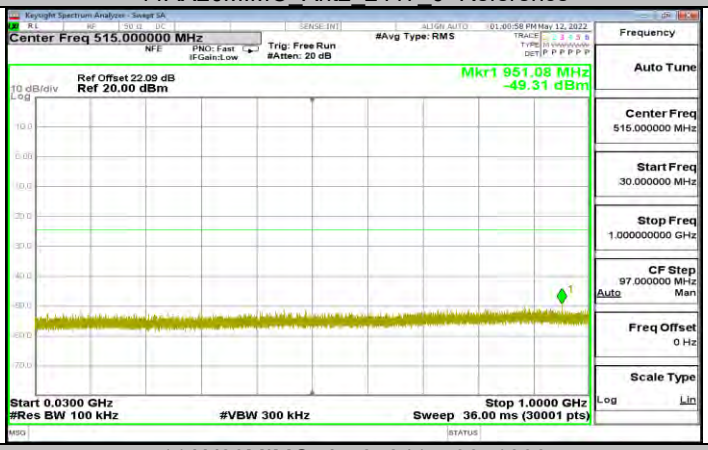
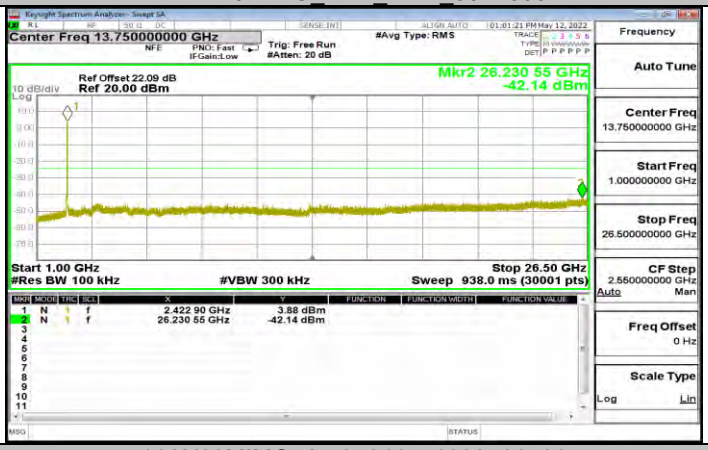
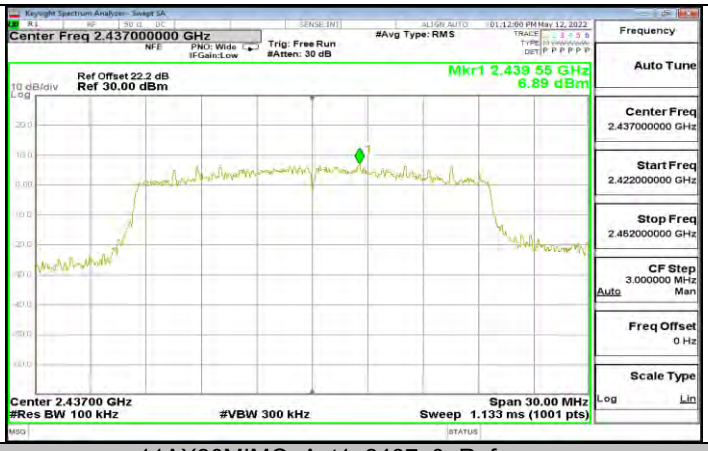


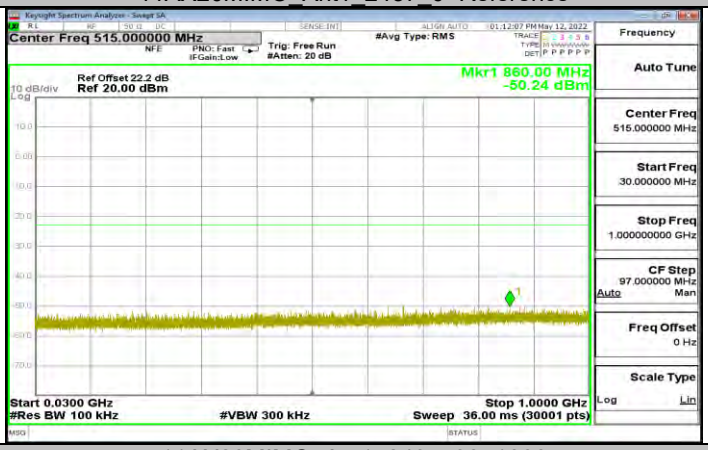
11AX20MIMO_Ant2_2417_30~1000



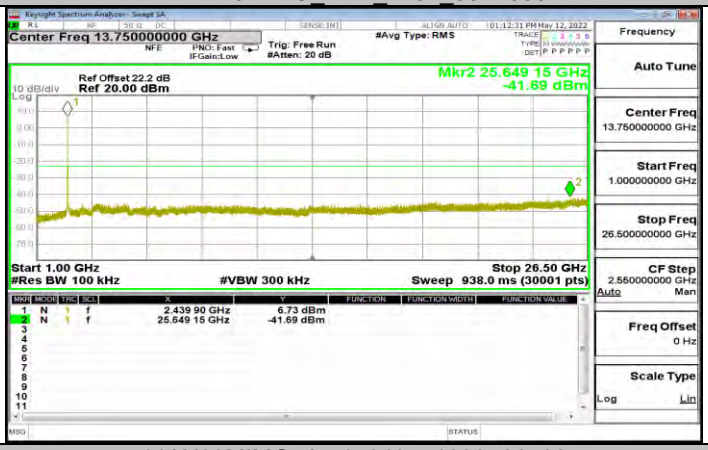
11AX20MIMO_Ant2_2417_1000~26500



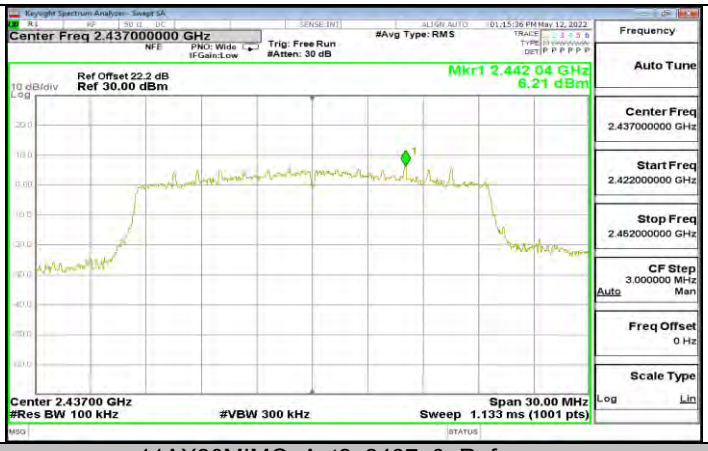
11AX20MIMO_Ant1_2437_0~Reference



11AX20MIMO_Ant1_2437_30~1000



11AX20MIMO_Ant1_2437_1000~26500



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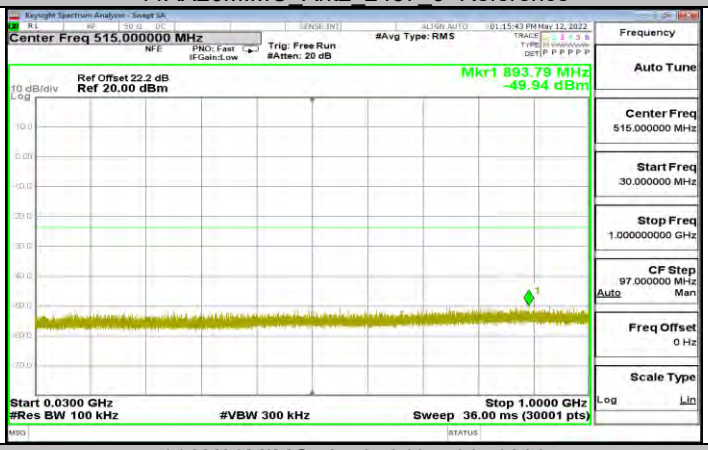

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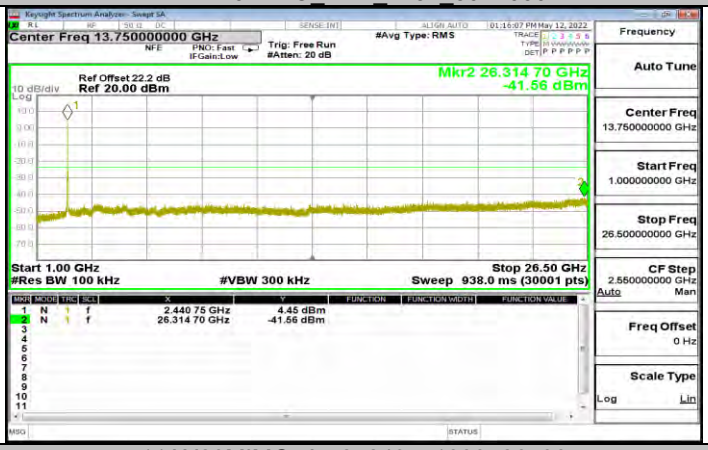
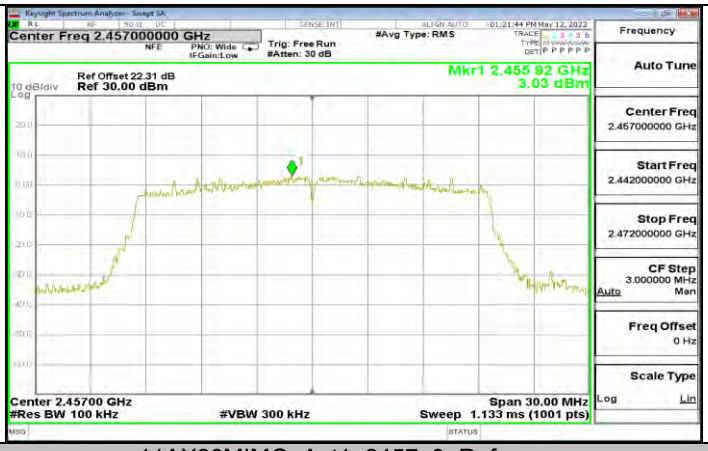
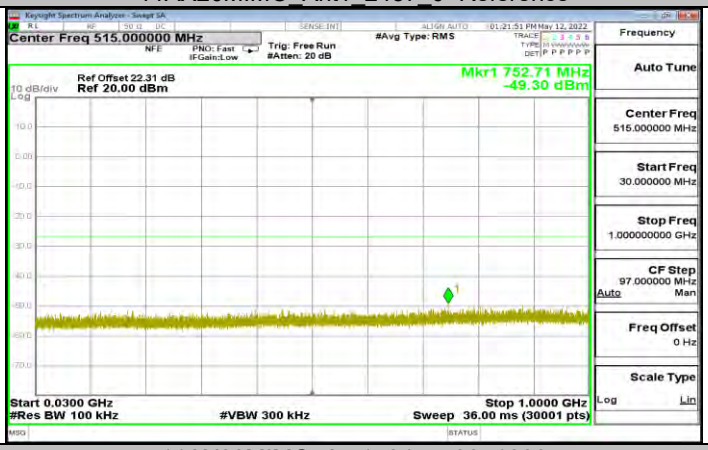


11AX20MIMO_Ant2_2437_1000~26500



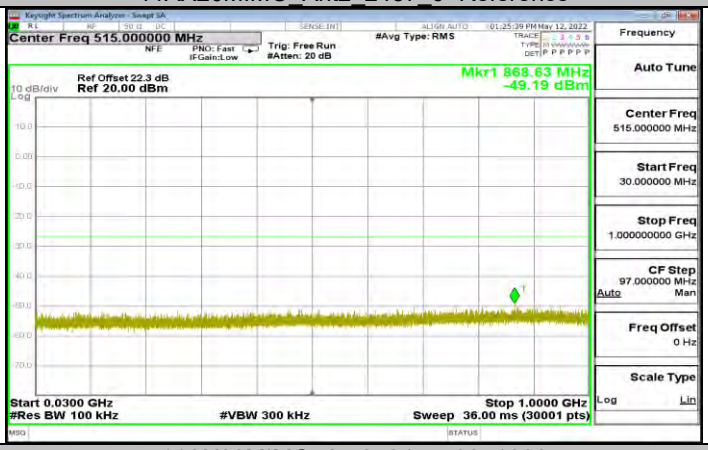
11AX20MIMO_Ant1_2457_0~Reference



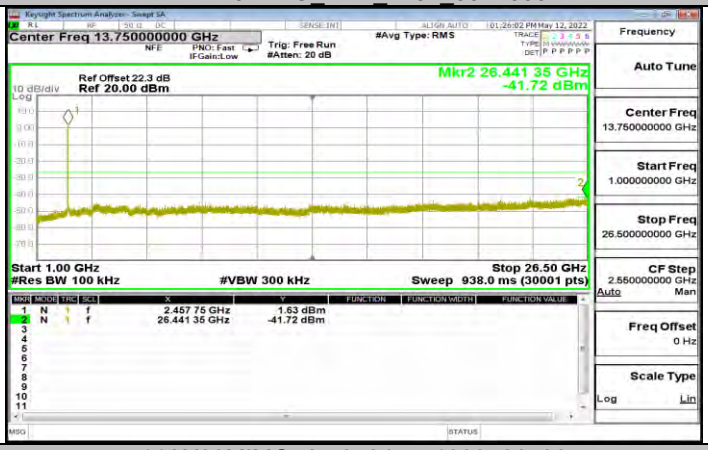
11AX20MIMO_Ant1_2457_30~1000

11AX20MIMO_Ant1_2457_1000~26500

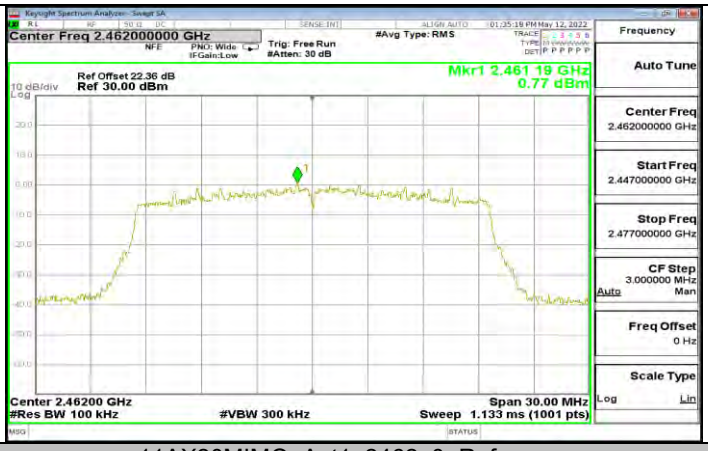
11AX20MIMO_Ant2_2457_0~Reference



11AX20MIMO_Ant2_2457_30~1000



11AX20MIMO_Ant2_2457_1000~26500



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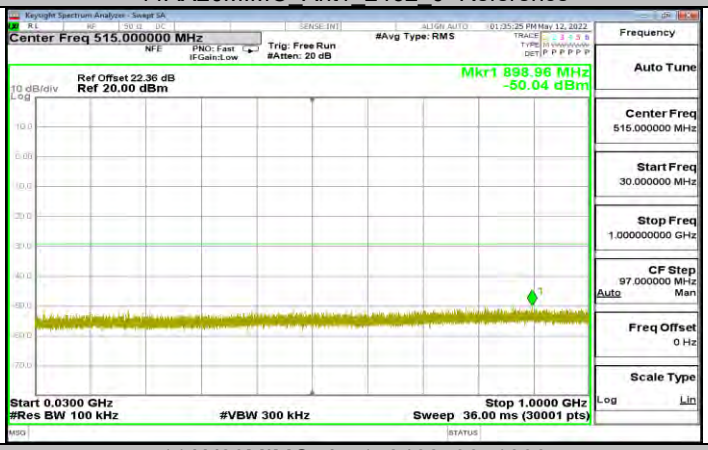
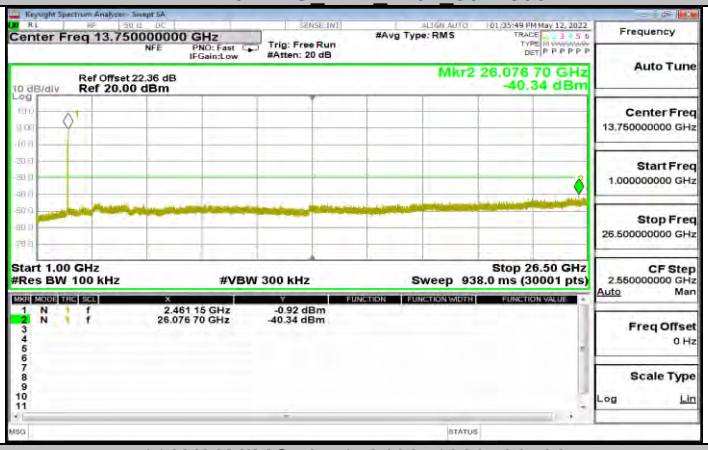
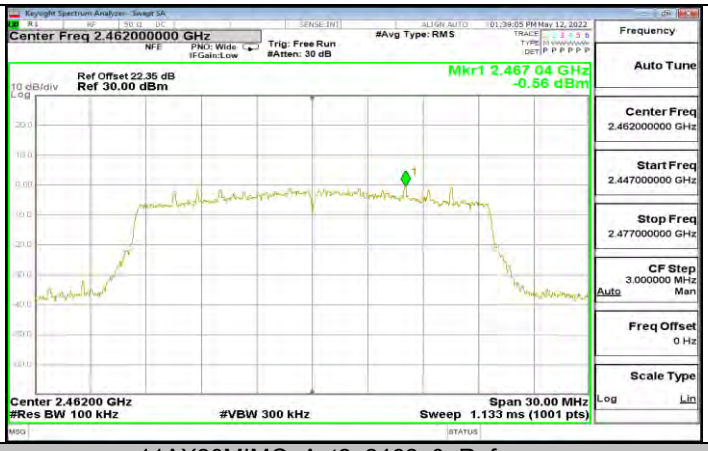


11AX20MIMO_Ant1_2462_30~1000



11AX20MIMO_Ant1_2462_1000~26500



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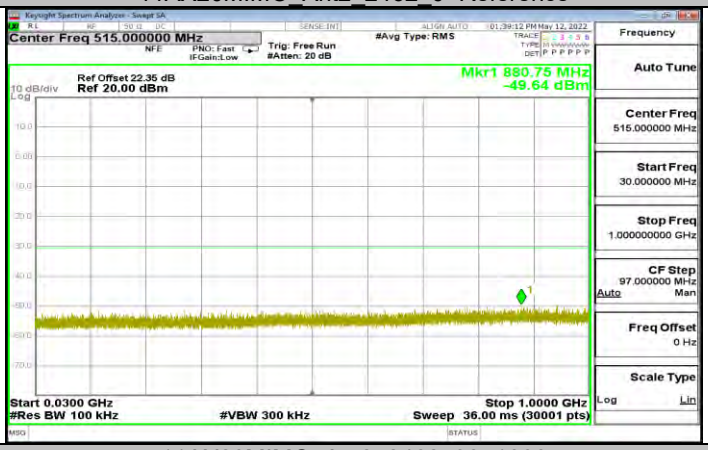
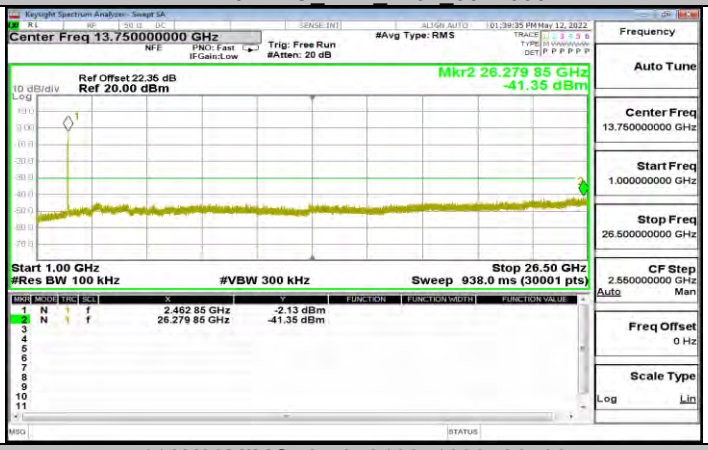
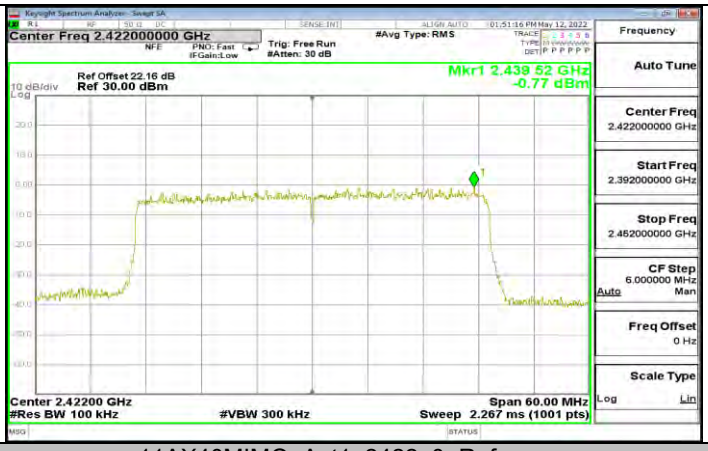


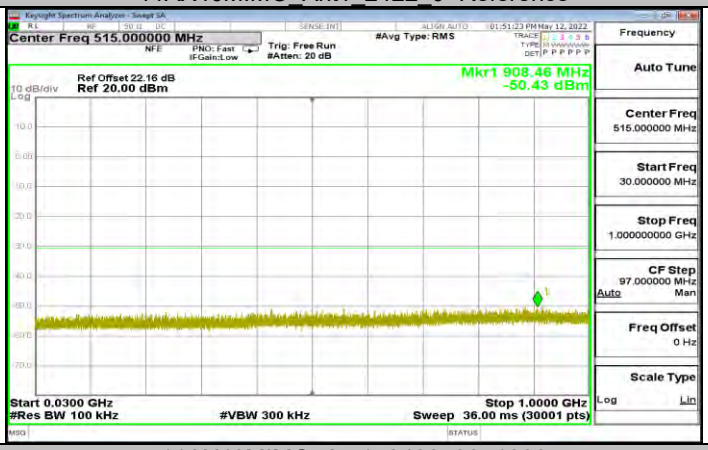
11AX20MIMO_Ant2_2462_30~1000



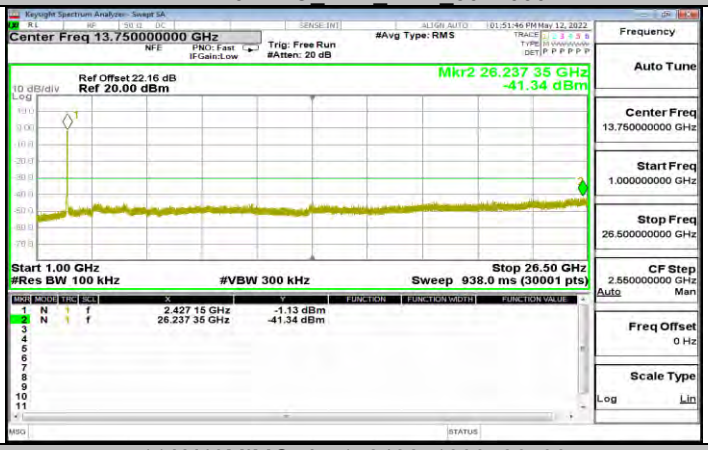
11AX20MIMO_Ant2_2462_1000~26500



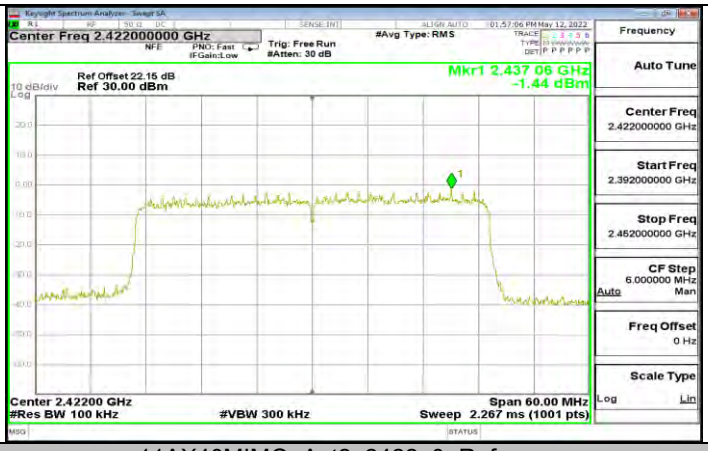
11AX40MIMO_Ant1_2422_0~Reference



11AX40MIMO_Ant1_2422_30~1000



11AX40MIMO_Ant1_2422_1000~26500



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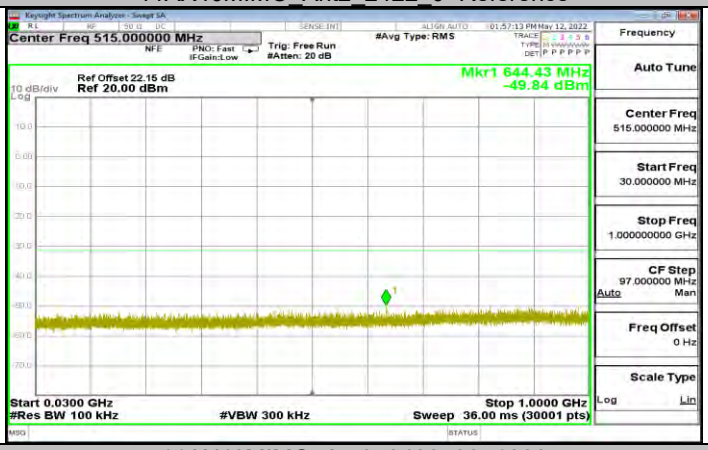
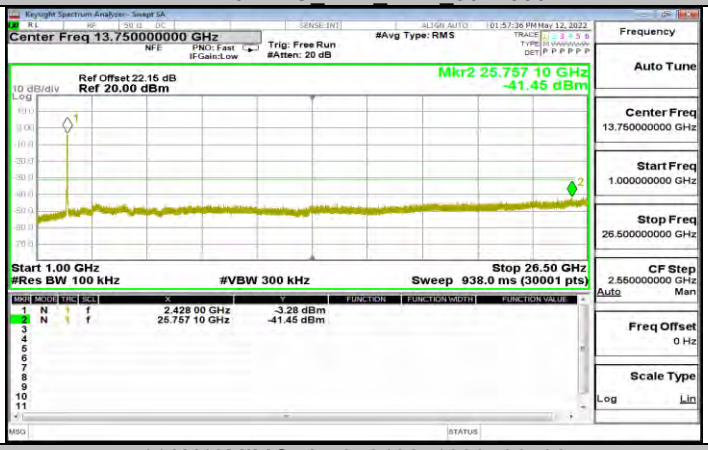
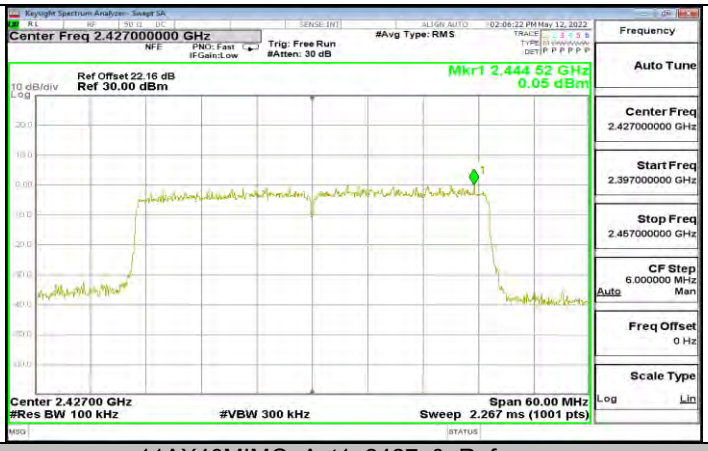


11AX40MIMO_Ant2_2422_30~1000



11AX40MIMO_Ant2_2422_1000~26500



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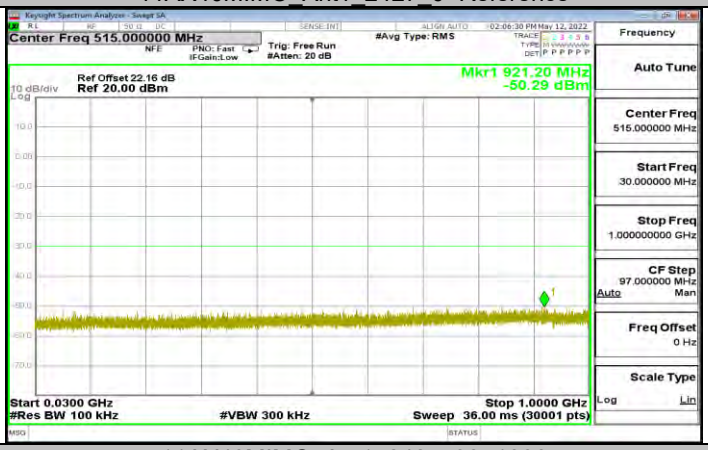
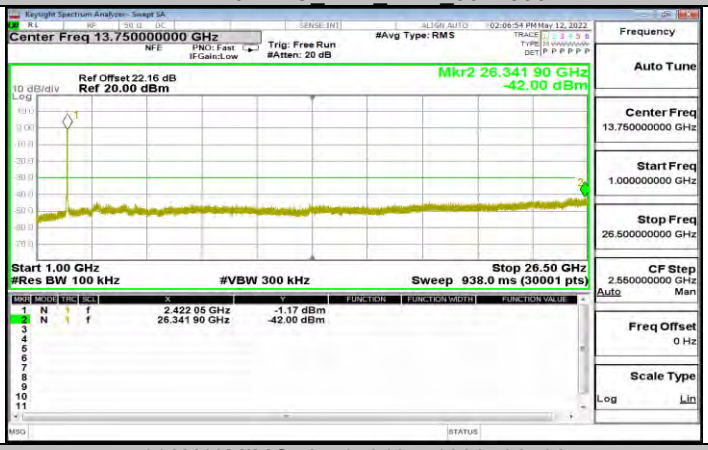
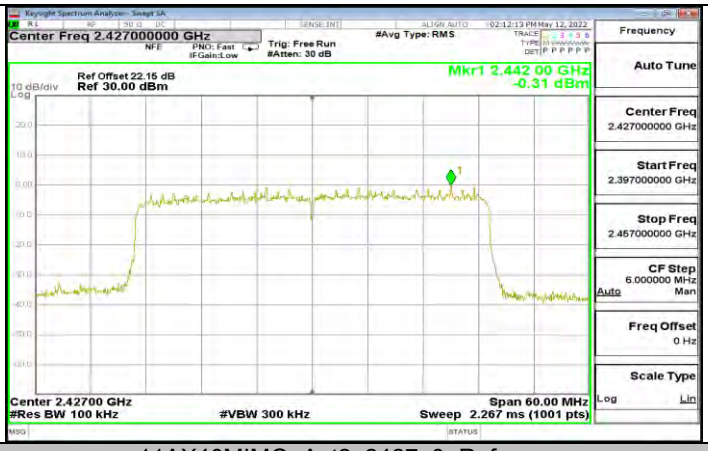


11AX40MIMO_Ant1_2427_30~1000



11AX40MIMO_Ant1_2427_1000~26500



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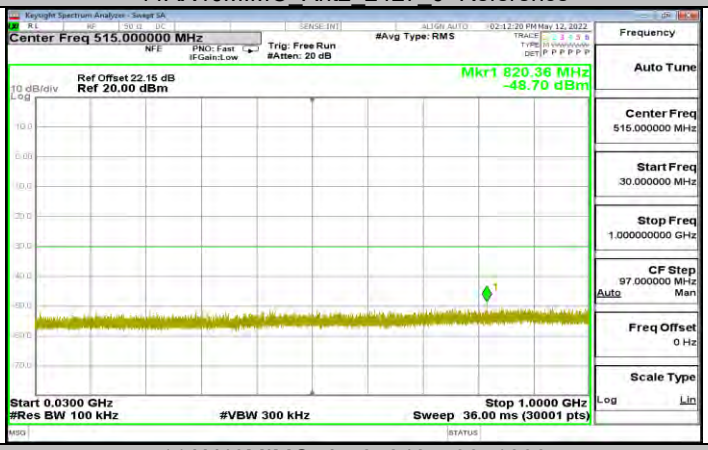
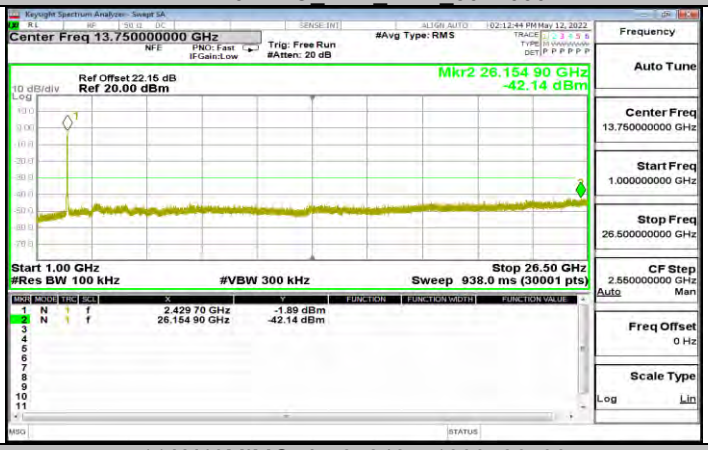
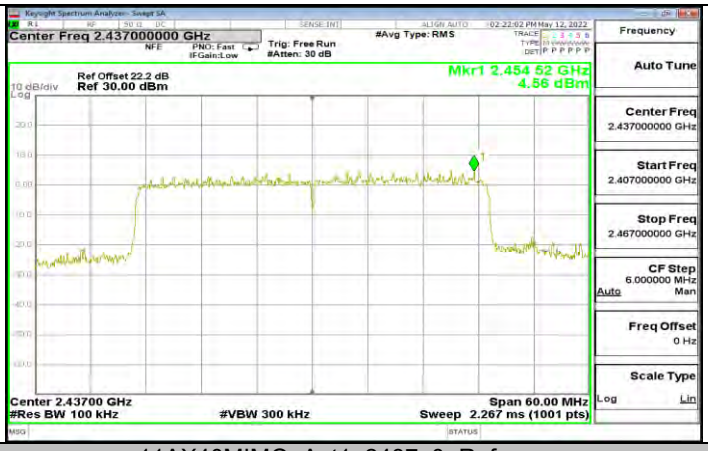


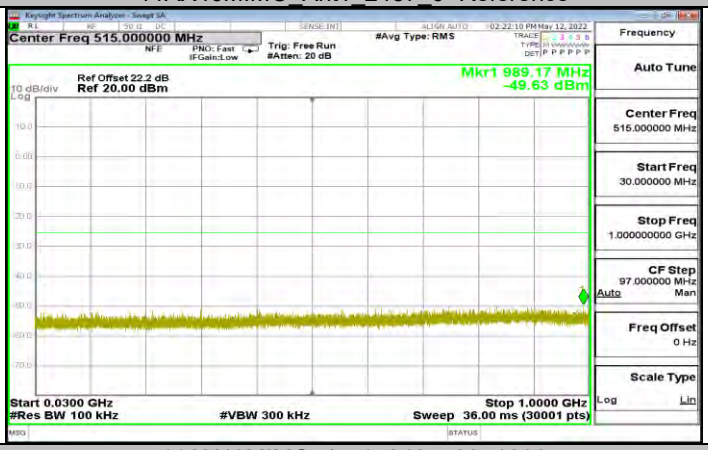
11AX40MIMO_Ant2_2427_30~1000



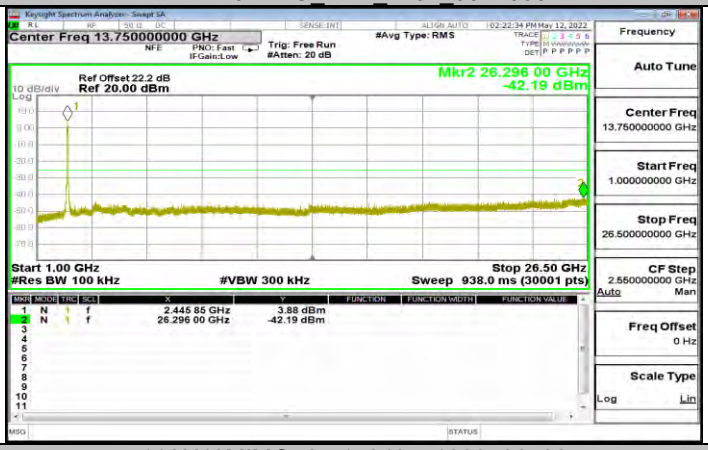
11AX40MIMO_Ant2_2427_1000~26500



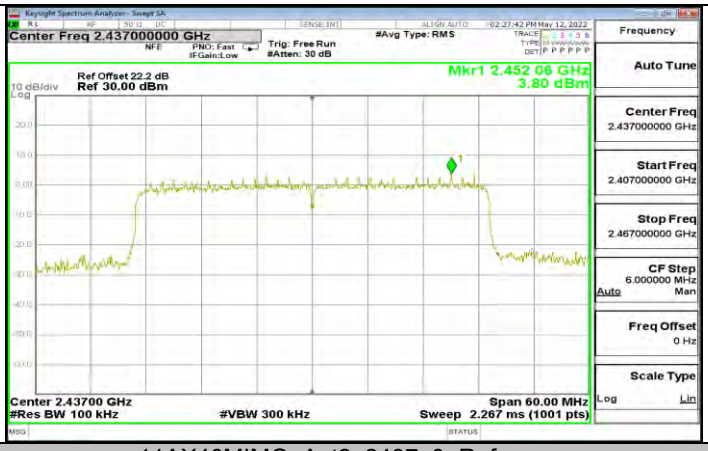
11AX40MIMO_Ant1_2437_0~Reference



11AX40MIMO_Ant1_2437_30~1000



11AX40MIMO_Ant1_2437_1000~26500



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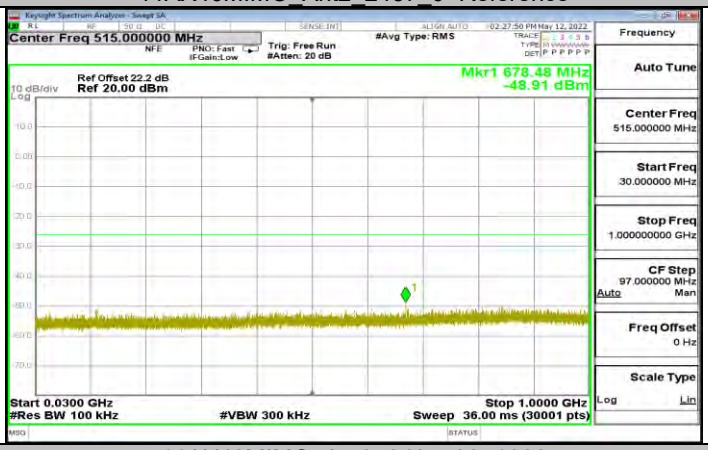
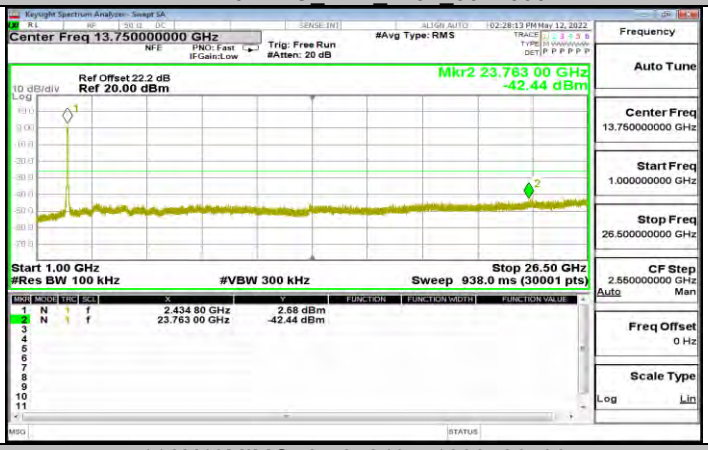
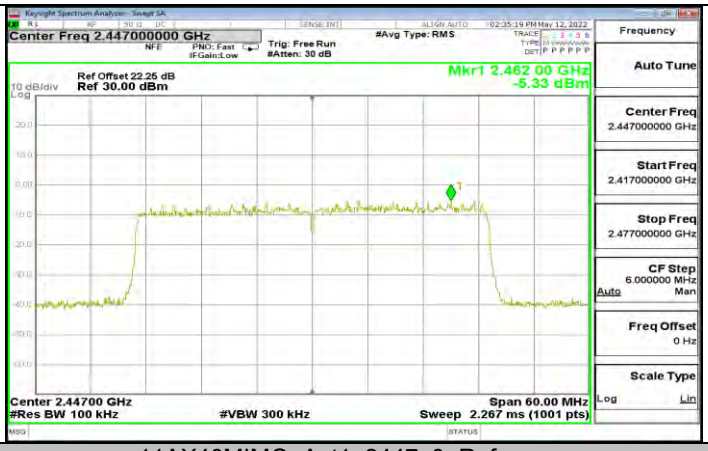


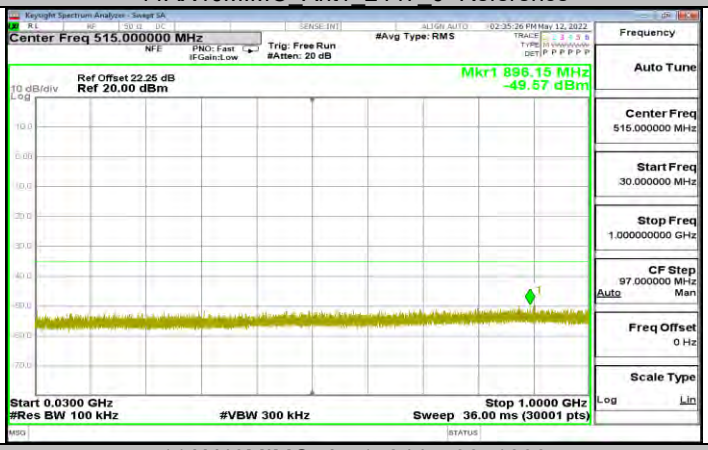
11AX40MIMO_Ant2_2437_30~1000



11AX40MIMO_Ant2_2437_1000~26500



11AX40MIMO_Ant1_2447_0~Reference



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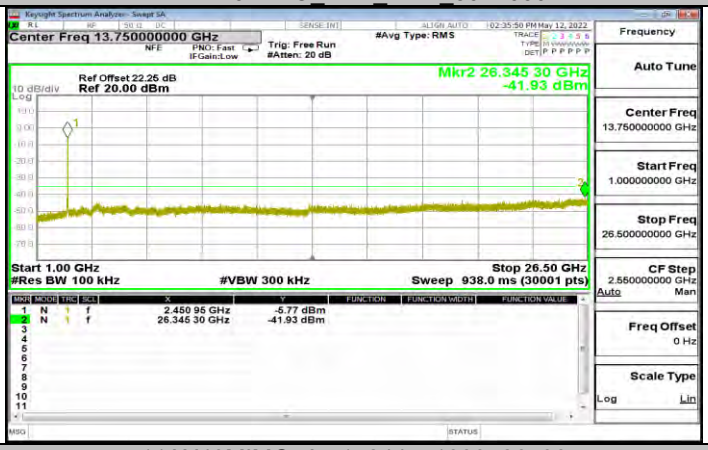

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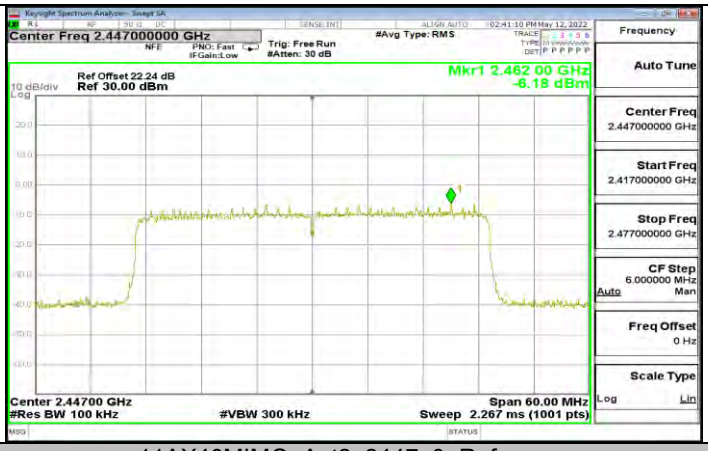

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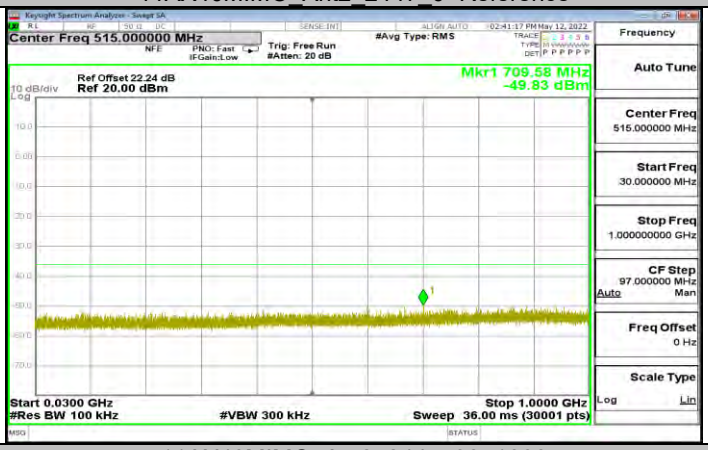
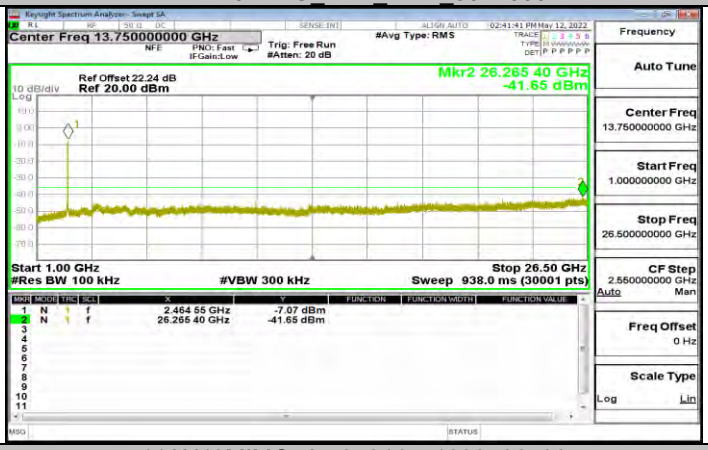
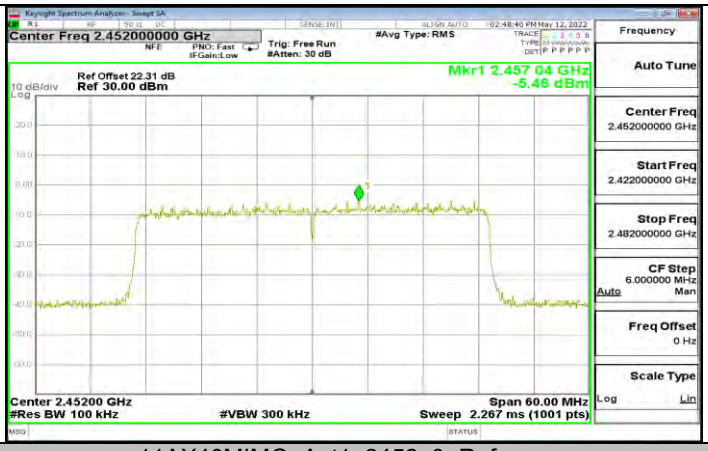


11AX40MIMO_Ant2_2447_30~1000



11AX40MIMO_Ant2_2447_1000~26500



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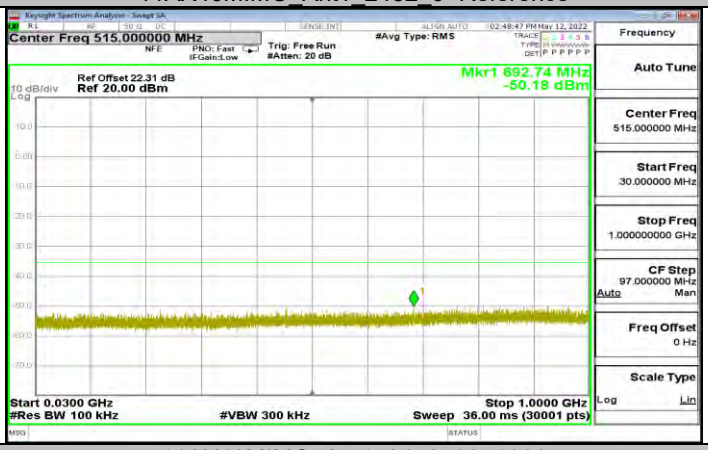

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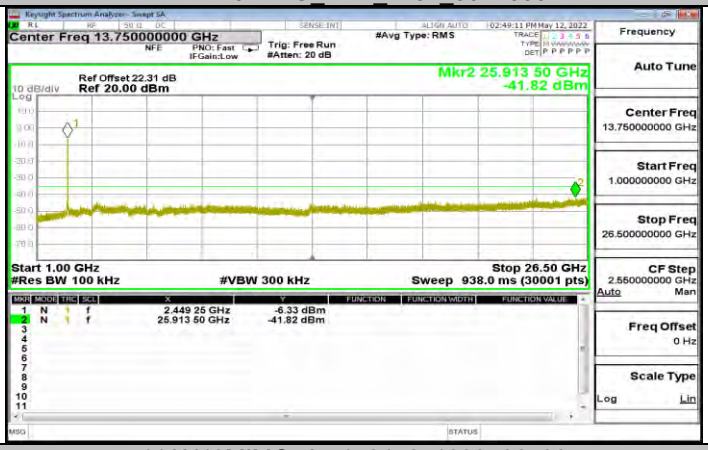
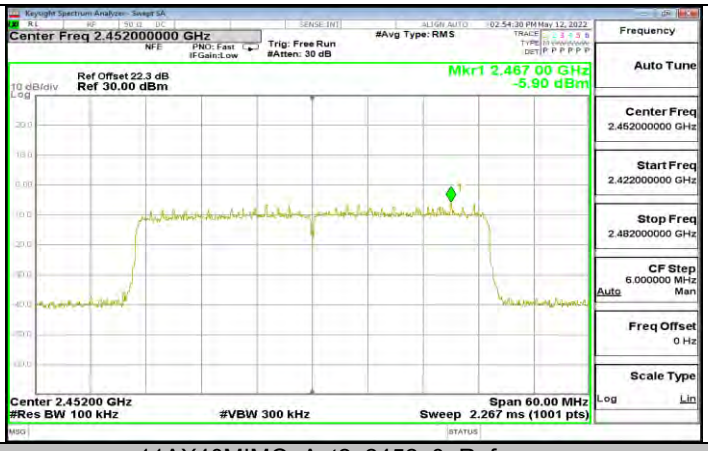
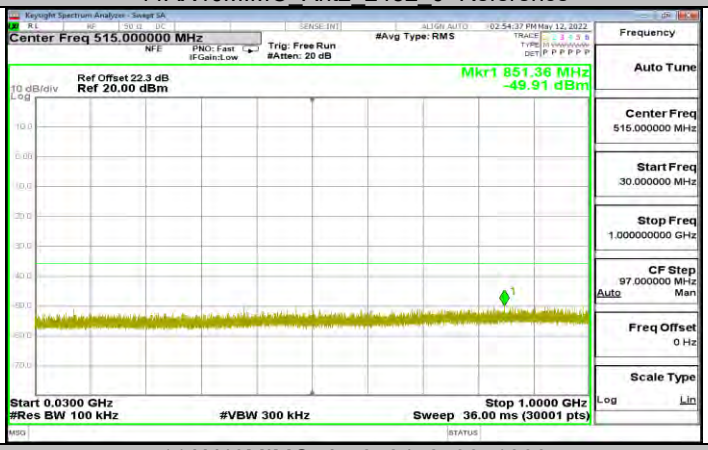


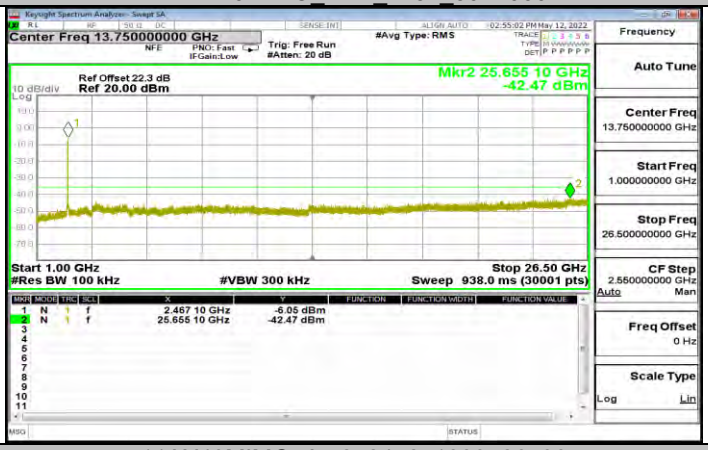
11AX40MIMO_Ant1_2452_1000~26500



11AX40MIMO_Ant2_2452_0~Reference



11AX40MIMO_Ant2_2452_30~1000



11AX40MIMO_Ant2_2452_1000~26500

Note: For 802.11b and 802.11g mode, Both the two antennas had been tested, but only the worst data was recorded in the report.

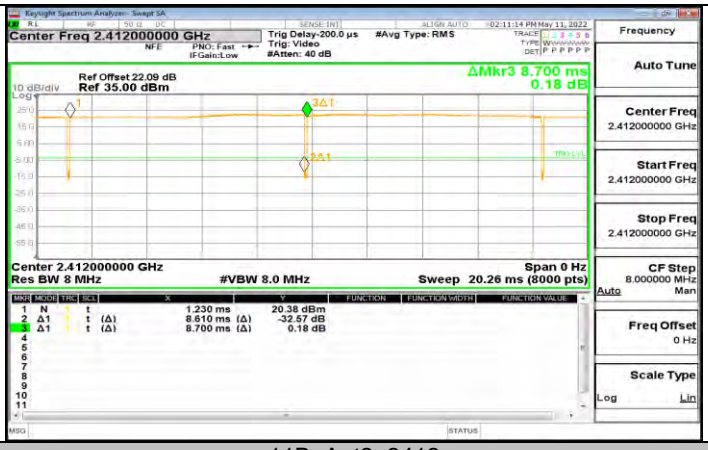
11.7. Appendix G: Duty Cycle

11.7.1. Test Result

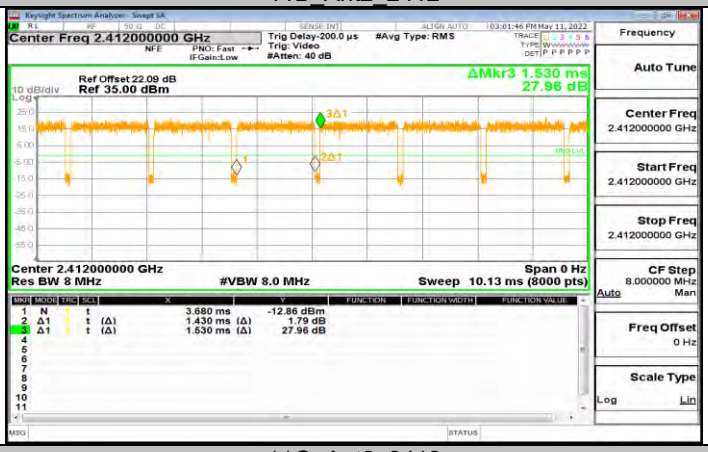
Test Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
11B	8.61	8.70	0.9897	98.97	0.05	0.12	0.01
11G	1.43	1.53	0.9346	93.46	0.29	0.70	1
11N20MIMO	1.33	1.43	0.9301	93.01	0.31	0.75	1
11N40MIMO	0.66	0.76	0.8684	86.84	0.61	1.52	2
11AX20MIMO	1.04	1.14	0.9123	91.23	0.40	0.96	1
11AX40MIMO	0.55	0.65	0.8462	84.62	0.73	1.82	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.

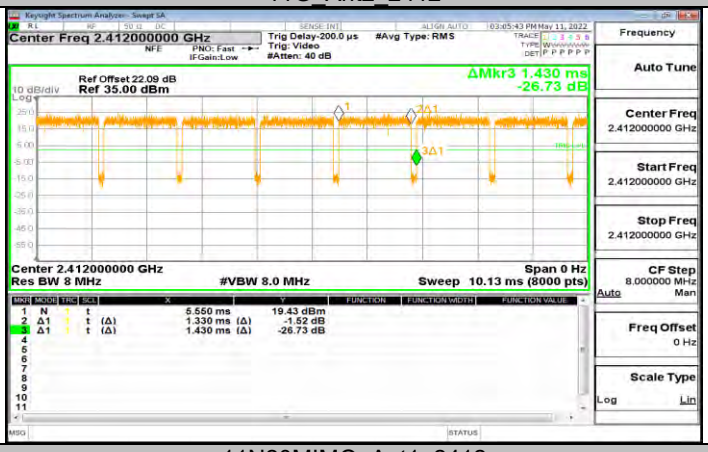
11.7.2. Test Graphs



11B_Ant2_2412



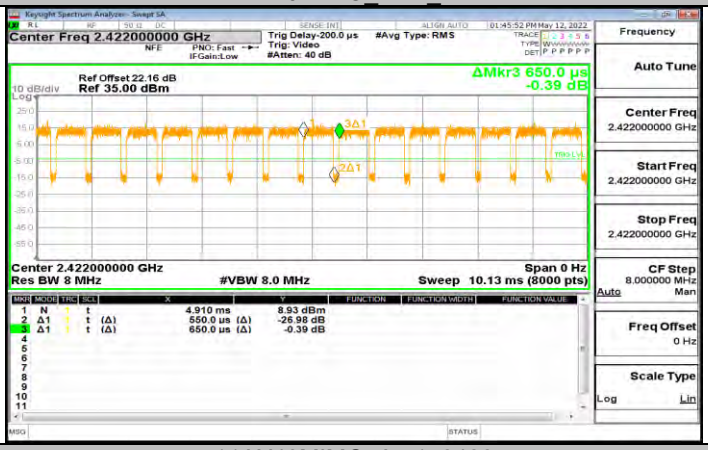
11G_Ant2_2412



11N20MIMO_Ant1_2412

11N40MIMO_Ant1_2422

11AX20MIMO_Ant1_2412



11AX40MIMO_Ant1_2422

END OF REPORT