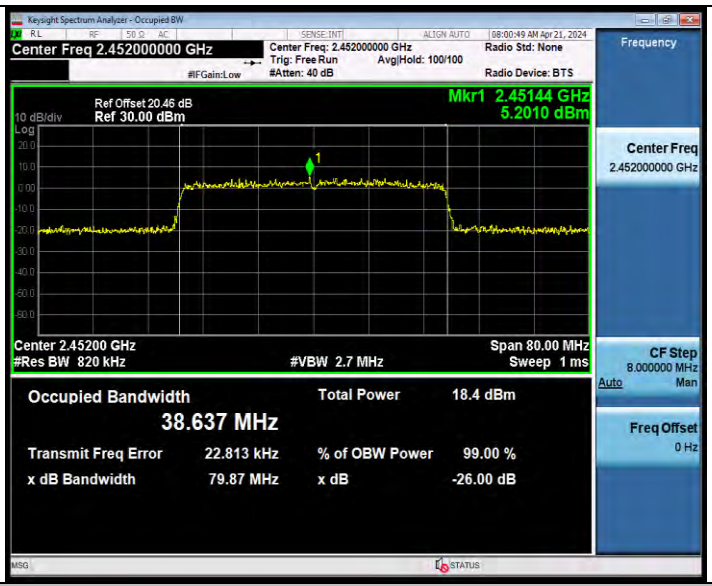


11AX40MIMO_Ant9_2452

MAXIMUM CONDUCTED OUTPUT POWER
TEST RESULT

Test Mode	TX Mod.	Freq. [MHz]	Ant.	Average power [dBm]	Peak power [dBm]	Peak power [mw]	Conducted Power Limit [dBm]	EIRP power [dBm]	EIRP power [mw]	EIRP Limit [dBm]	Verdict	Power Setting
11B	CDD	2412	ANT 8	14.52	17.11	51.40	≤30.00	17.51	56.36	≤36.00	PASS	15
			ANT 9	13.33	16.01	39.90	≤30.00	16.41	43.75	≤36.00	PASS	15
			Total	16.976	19.61	91.31	≤30.00	20.01	100.12	≤36.00	PASS	15
		2437	ANT 8	13.65	16.07	40.46	≤30.00	16.47	44.36	≤36.00	PASS	15
			ANT 9	13.14	15.67	36.90	≤30.00	16.07	40.46	≤36.00	PASS	15
			Total	16.413	18.88	77.36	≤30.00	19.28	84.82	≤36.00	PASS	15
		2462	ANT 8	14.38	17.04	50.58	≤30.00	17.44	55.46	≤36.00	PASS	15
			ANT 9	13.85	16.23	41.98	≤30.00	16.63	46.03	≤36.00	PASS	15
			Total	17.133	19.66	92.56	≤30.00	20.06	101.49	≤36.00	PASS	15
11G	CDD	2412	ANT 8	12.5	20.71	117.76	≤30.00	21.11	129.12	≤36.00	PASS	13
			ANT 9	12.53	21.05	127.35	≤30.00	21.45	139.64	≤36.00	PASS	13
			Total	15.525	23.89	245.11	≤30.00	24.29	268.76	≤36.00	PASS	13
		2437	ANT 8	11.92	19.84	96.38	≤30.00	20.24	105.68	≤36.00	PASS	13
			ANT 9	12.03	20.41	109.90	≤30.00	20.81	120.50	≤36.00	PASS	13
			Total	14.986	23.14	206.28	≤30.00	23.54	226.19	≤36.00	PASS	13
		2462	ANT 8	12.34	20.34	108.14	≤30.00	20.74	118.58	≤36.00	PASS	13

			ANT 9	12.45	20.56	113.76	≤30.00	20.96	124.74	≤36.00	PASS	13
			Total	15.406	23.46	221.91	≤30.00	23.86	243.32	≤36.00	PASS	13
11N20	MIMO	2412	ANT 8	10.43	18.86	76.91	≤30.00	19.26	84.33	≤36.00	PASS	11
			ANT 9	10.05	18.6	72.44	≤30.00	19.00	79.43	≤36.00	PASS	11
			Total	13.254	21.74	149.36	≤30.00	22.14	163.77	≤36.00	PASS	11
		2437	ANT 8	10.02	18.27	67.14	≤30.00	18.67	73.62	≤36.00	PASS	11
			ANT 9	10.17	18.35	68.39	≤30.00	18.75	74.99	≤36.00	PASS	11
			Total	13.106	21.32	135.53	≤30.00	21.72	148.61	≤36.00	PASS	11
		2462	ANT 8	10.14	18.47	70.31	≤30.00	18.87	77.09	≤36.00	PASS	11
			ANT 9	10.18	18.25	66.83	≤30.00	18.65	73.28	≤36.00	PASS	11
			Total	13.17	21.37	137.14	≤30.00	21.77	150.37	≤36.00	PASS	11
11N40	MIMO	2422	ANT 8	10.29	18.11	64.71	≤30.00	18.51	70.96	≤36.00	PASS	11
			ANT 9	9.76	17.52	56.49	≤30.00	17.92	61.94	≤36.00	PASS	11
			Total	13.043	20.84	121.21	≤30.00	21.24	132.90	≤36.00	PASS	11
		2437	ANT 8	10.24	18.07	64.12	≤30.00	18.47	70.31	≤36.00	PASS	11
			ANT 9	10.23	18.05	63.83	≤30.00	18.45	69.98	≤36.00	PASS	11
			Total	13.245	21.07	127.95	≤30.00	21.47	140.29	≤36.00	PASS	11
		2452	ANT 8	10.13	18.06	63.97	≤30.00	18.46	70.15	≤36.00	PASS	11
			ANT 9	10.01	17.9	61.66	≤30.00	18.30	67.61	≤36.00	PASS	11
			Total	13.081	20.99	125.63	≤30.00	21.39	137.75	≤36.00	PASS	11

11AX20	MIMO	2412	ANT8	10.341	19.27	84.53	≤30.00	19.67	92.68	≤36.00	PASS	11
			ANT9	10.01	19.2	83.18	≤30.00	19.60	91.20	≤36.00	PASS	11
			Total	13.189	22.245	167.70	≤30.00	22.65	183.88	≤36.00	PASS	11
		2437	ANT8	10.08	19.11	81.47	≤30.00	19.51	89.33	≤36.00	PASS	11
			ANT9	10.23	19.52	89.54	≤30.00	19.92	98.17	≤36.00	PASS	11
			Total	13.166	22.33	171.01	≤30.00	22.73	187.51	≤36.00	PASS	11
		2462	ANT8	10.15	19.11	81.47	≤30.00	19.51	89.33	≤36.00	PASS	11
			ANT9	10.29	19.46	88.31	≤30.00	19.86	96.83	≤36.00	PASS	11
			Total	13.231	22.299	169.78	≤30.00	22.70	186.16	≤36.00	PASS	11
11AX40	MIMO	2412	ANT8	10.14	19.21	83.37	≤30.00	19.61	91.41	≤36.00	PASS	11
			ANT9	9.6	18.49	70.63	≤30.00	18.89	77.45	≤36.00	PASS	11
			Total	12.889	21.875	154.00	≤30.00	22.28	168.86	≤36.00	PASS	11
		2437	ANT8	10.2	19.01	79.62	≤30.00	19.41	87.30	≤36.00	PASS	11
			ANT9	10.1	18.76	75.16	≤30.00	19.16	82.41	≤36.00	PASS	11
			Total	13.161	21.897	154.78	≤30.00	22.30	169.71	≤36.00	PASS	11
		2462	ANT8	10.09	18.56	71.78	≤30.00	18.96	78.70	≤36.00	PASS	11
			ANT9	9.96	18.52	71.12	≤30.00	18.92	77.98	≤36.00	PASS	11
			Total	13.036	21.55	142.90	≤30.00	21.95	156.69	≤36.00	PASS	11
Tx 11ax20_FULL_RU	MIMO	2412	ANT8	10.31	19.23	83.75	≤30.00	19.63	91.83	≤36.00	PASS	11
			ANT9	10.01	19.13	81.85	≤30.00	19.53	89.74	≤36.00	PASS	11
			Total	13.173	22.191	165.60	≤30.00	22.59	181.58	≤36.00	PASS	11
		2437	ANT8	9.56	18.91	77.80	≤30.00	19.31	85.31	≤36.00	PASS	11
			ANT9	10.22	19.47	88.51	≤30.00	19.87	97.05	≤36.00	PASS	11
			Total	12.913	22.191	165.60	≤30.00	22.59	181.58	≤36.00	PASS	11
		2462	ANT8	9.47	18.91	77.80	≤30.00	19.31	85.31	≤36.00	PASS	11
			ANT9	10.17	19.01	79.62	≤30.00	19.41	87.30	≤36.00	PASS	11
			Total	12.844	21.971	157.42	≤30.00	22.37	172.61	≤36.00	PASS	11
Tx 11ax40_FULL_RU	MIMO	2422	ANT8	10.06	18.73	74.64	≤30.00	19.13	81.85	≤36.00	PASS	11
			ANT9	9.51	18.25	66.83	≤30.00	18.65	73.28	≤36.00	PASS	11

			Total	12.804	21.507	141.48	≤30.00	21.91	155.13	≤36.00	PASS	11
		2437	ANT8	10.1	18.45	69.98	≤30.00	18.85	76.74	≤36.00	PASS	11
			ANT9	10.05	18.26	66.99	≤30.00	18.66	73.45	≤36.00	PASS	11
			Total	13.085	21.366	136.97	≤30.00	21.77	150.19	≤36.00	PASS	11
		2452	ANT8	10.07	18.34	68.23	≤30.00	18.74	74.82	≤36.00	PASS	11
			ANT9	9.92	18.21	66.22	≤30.00	18.61	72.61	≤36.00	PASS	11
			Total	13.006	21.286	134.46	≤30.00	21.69	147.43	≤36.00	PASS	11
Note:The Average power with duty cycle factor.												

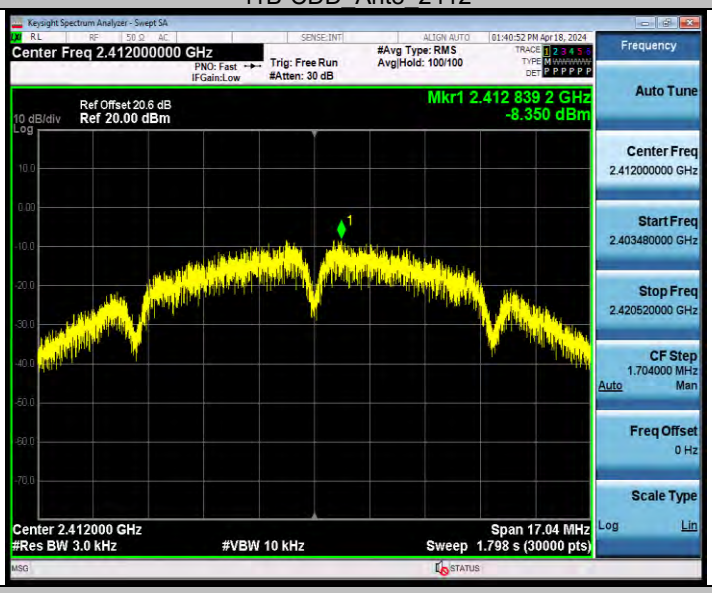
MAXIMUM POWER SPECTRAL DENSITY
TEST RESULT

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B-CDD	Ant8	2412	-8.35	≤8.00	PASS
	Ant9	2412	-9.64	≤8.00	PASS
	total	2412	-5.94	≤8.00	PASS
	Ant8	2437	-9.02	≤8.00	PASS
	Ant9	2437	-8.69	≤8.00	PASS
	total	2437	-5.84	≤8.00	PASS
	Ant8	2462	-7.89	≤8.00	PASS
	Ant9	2462	-8.37	≤8.00	PASS
	total	2462	-5.11	≤8.00	PASS
11G-CDD	Ant8	2412	-10.23	≤8.00	PASS
	Ant9	2412	-10.45	≤8.00	PASS
	total	2412	-7.33	≤8.00	PASS
	Ant8	2437	-11.50	≤8.00	PASS
	Ant9	2437	-10.84	≤8.00	PASS
	total	2437	-8.15	≤8.00	PASS
	Ant8	2462	-10.52	≤8.00	PASS
	Ant9	2462	-10.92	≤8.00	PASS
	total	2462	-7.71	≤8.00	PASS
11N20MIMO	Ant8	2412	-12.96	≤8.00	PASS
	Ant9	2412	-13.90	≤8.00	PASS
	total	2412	-10.39	≤8.00	PASS
	Ant8	2437	-13.50	≤8.00	PASS
	Ant9	2437	-12.85	≤8.00	PASS
	total	2437	-10.15	≤8.00	PASS
	Ant8	2462	-13.41	≤8.00	PASS
	Ant9	2462	-13.32	≤8.00	PASS
	total	2462	-10.35	≤8.00	PASS
11N40MIMO	Ant8	2422	-15.91	≤8.00	PASS
	Ant9	2422	-16.61	≤8.00	PASS
	total	2422	-13.24	≤8.00	PASS
	Ant8	2437	-16.39	≤8.00	PASS
	Ant9	2437	-16.38	≤8.00	PASS
	total	2437	-13.37	≤8.00	PASS
	Ant8	2452	-15.86	≤8.00	PASS
	Ant9	2452	-16.75	≤8.00	PASS
	total	2452	-13.27	≤8.00	PASS
11AX20MIMO	Ant8	2412	-14.15	≤8.00	PASS
	Ant9	2412	-15.22	≤8.00	PASS
	total	2412	-11.64	≤8.00	PASS
	Ant8	2437	-15.07	≤8.00	PASS
	Ant9	2437	-15.20	≤8.00	PASS
	total	2437	-12.12	≤8.00	PASS
	Ant8	2462	-14.91	≤8.00	PASS
	Ant9	2462	-14.76	≤8.00	PASS
	total	2462	-11.82	≤8.00	PASS

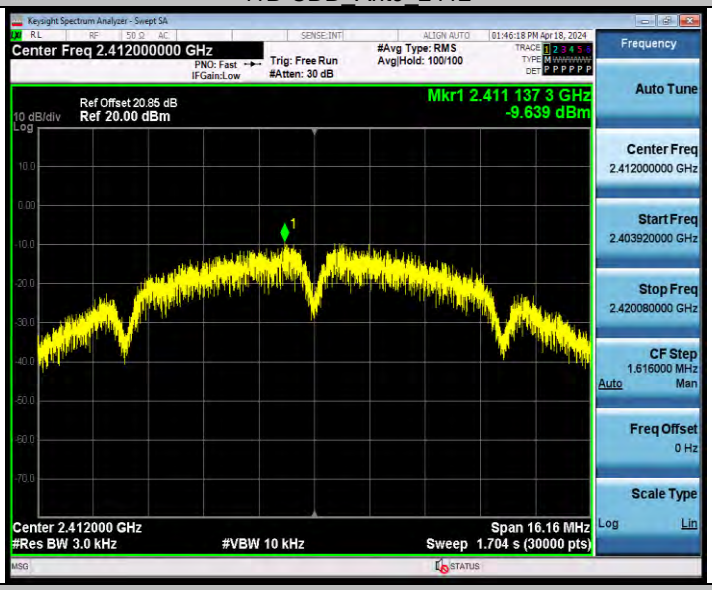
11AX40MIMO	Ant8	2422	-16.62	≤8.00	PASS
	Ant9	2422	-16.74	≤8.00	PASS
	total	2422	-13.67	≤8.00	PASS
	Ant8	2437	-17.19	≤8.00	PASS
	Ant9	2437	-17.13	≤8.00	PASS
	total	2437	-14.15	≤8.00	PASS
	Ant8	2452	-16.89	≤8.00	PASS
	Ant9	2452	-17.44	≤8.00	PASS
	total	2452	-14.15	≤8.00	PASS

TEST GRAPHS

11B-CDD_Ant8_2412



11B-CDD_Ant9_2412



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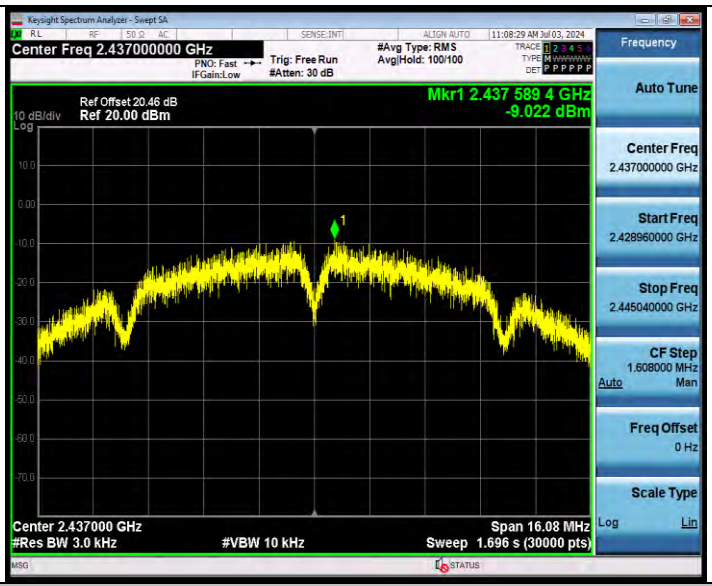

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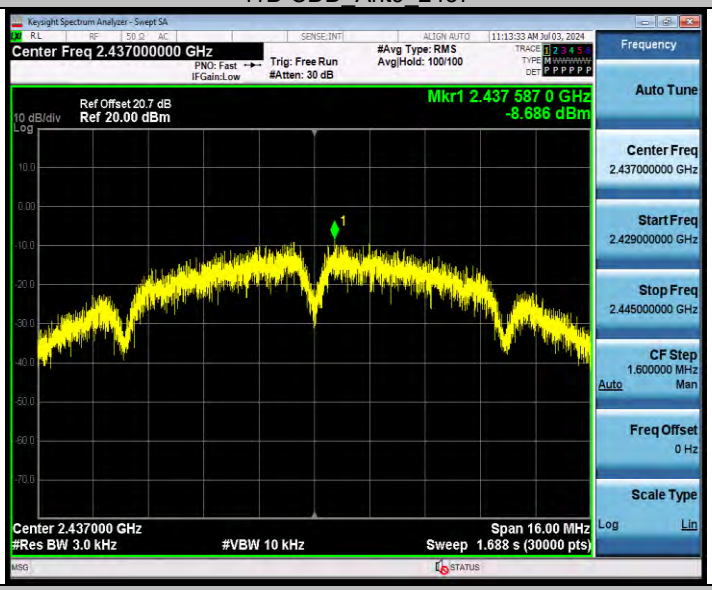

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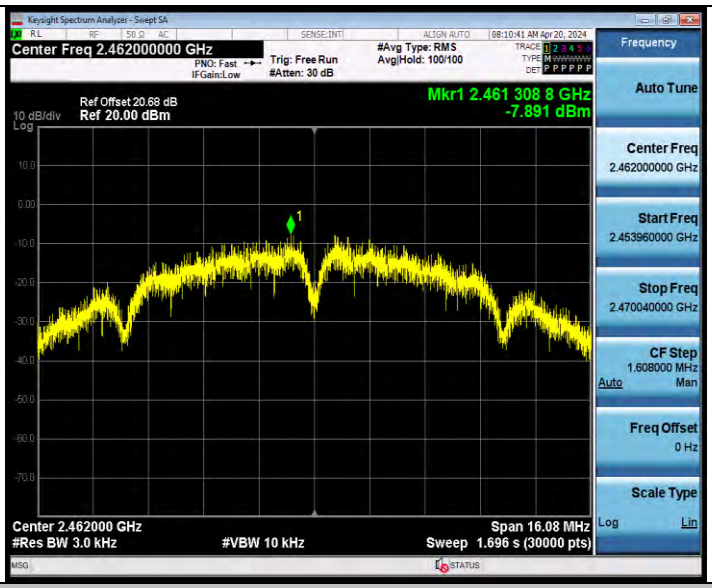

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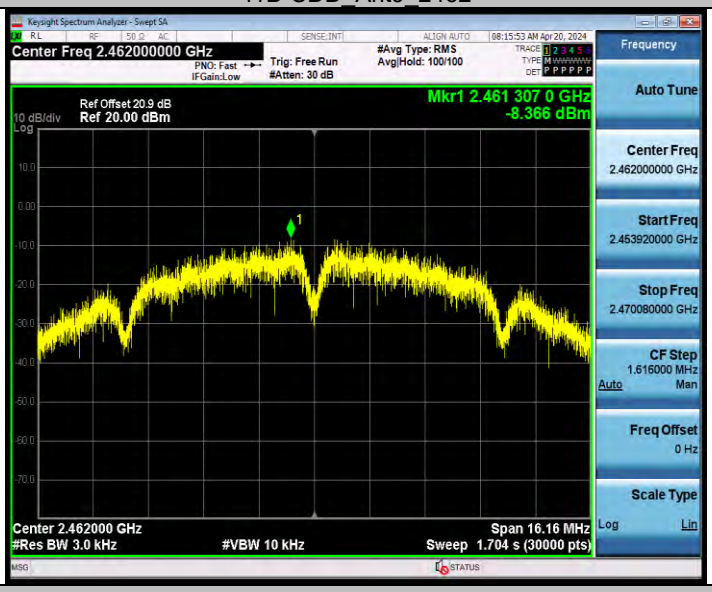

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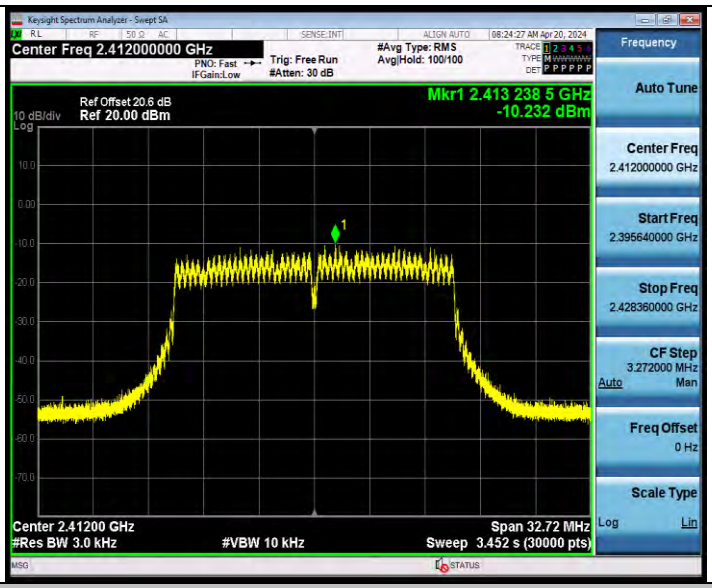

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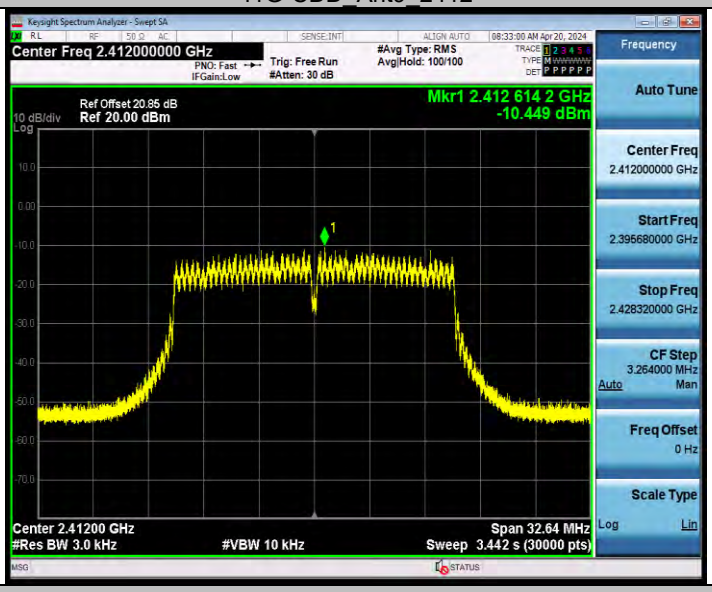

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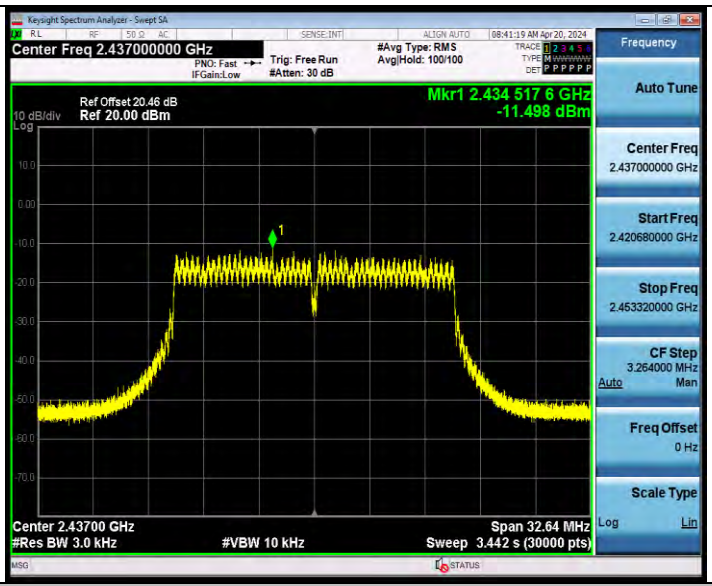

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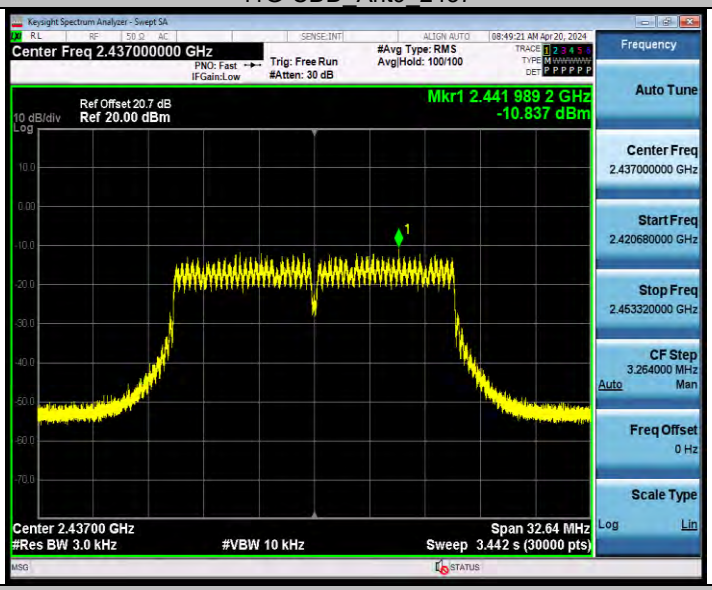

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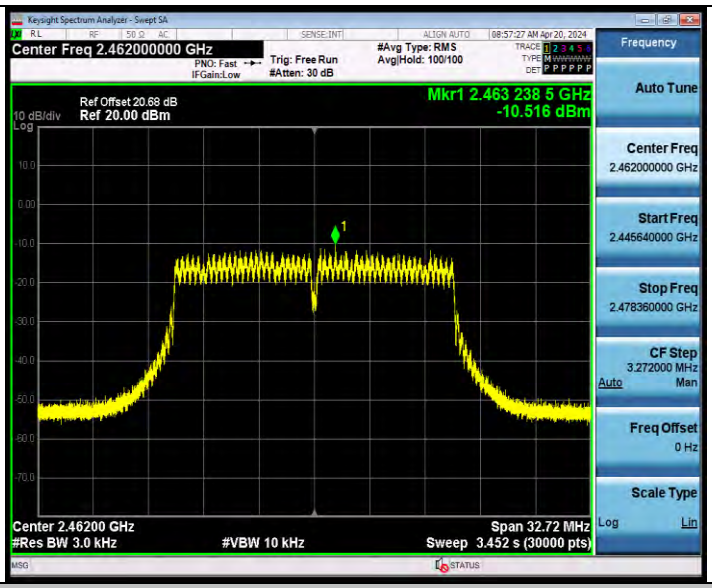

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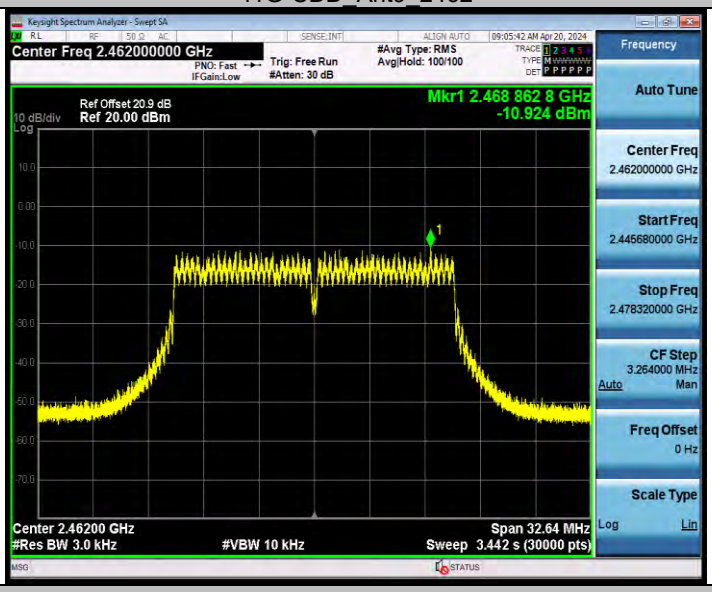
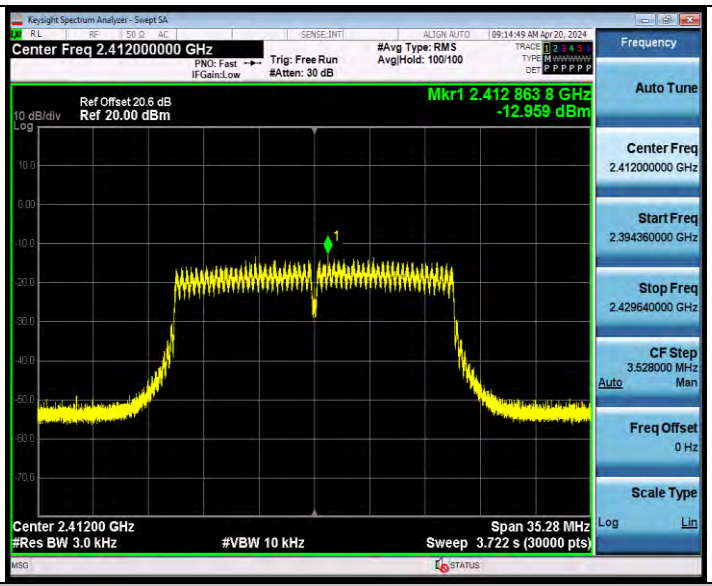


11N20MIMO_Ant8_2412



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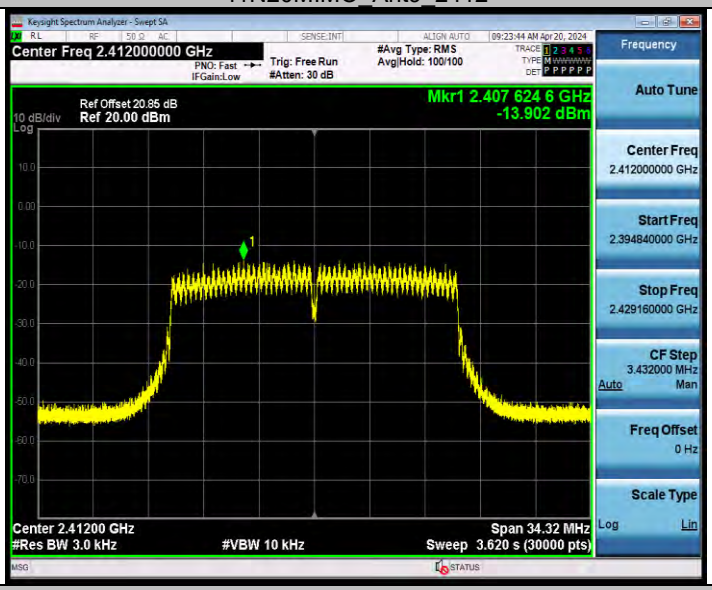

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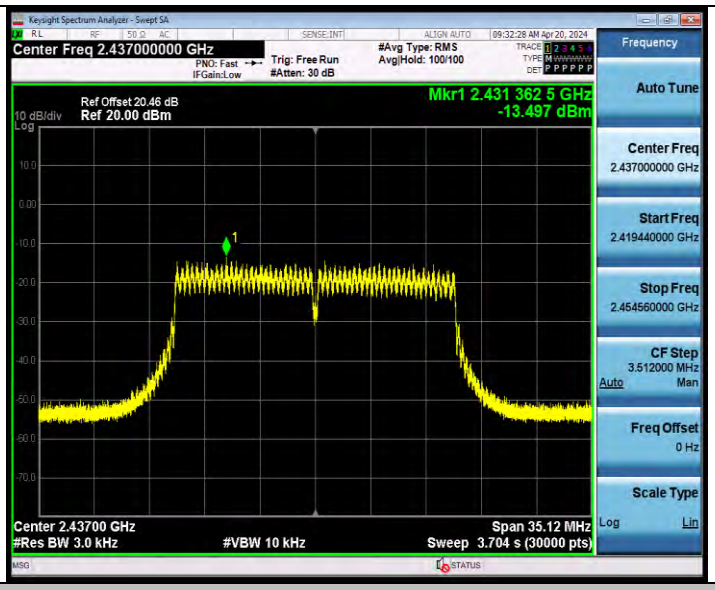

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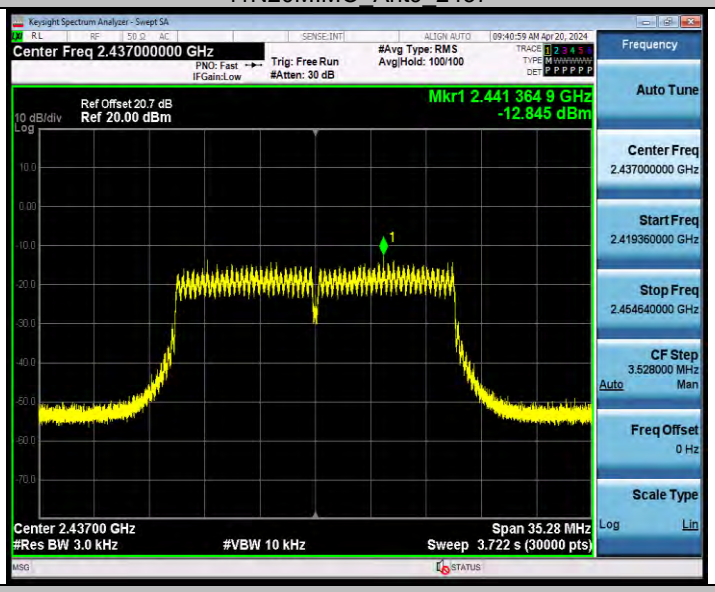

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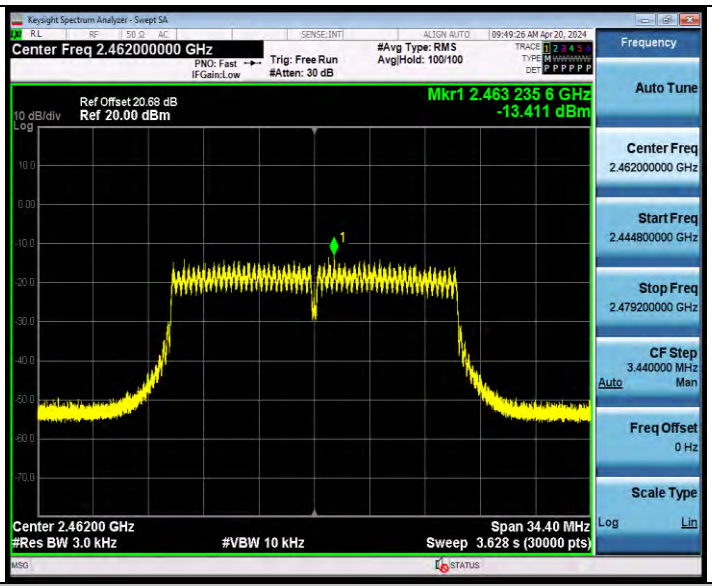

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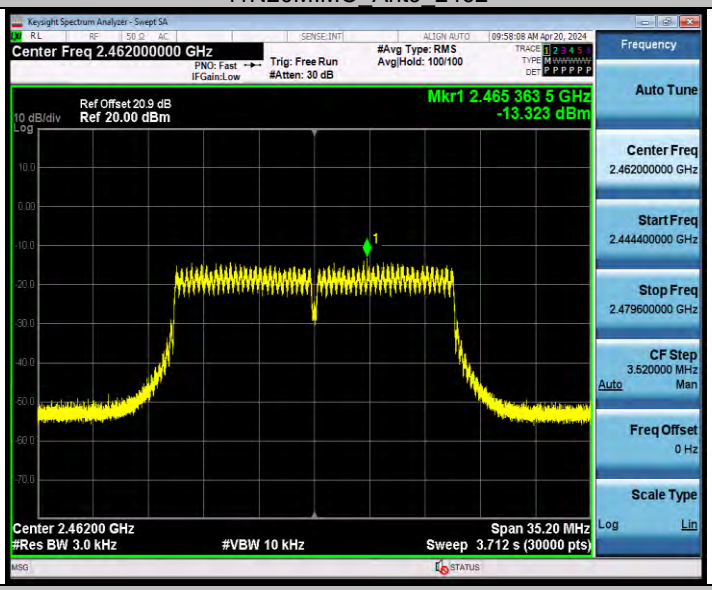
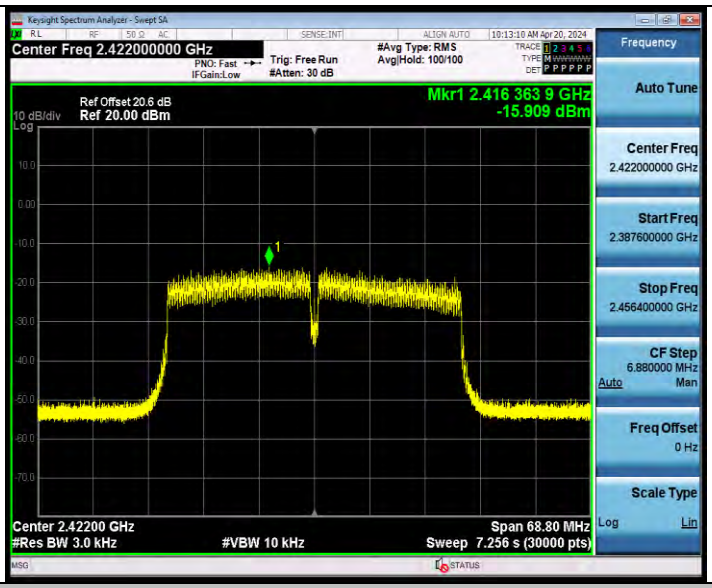
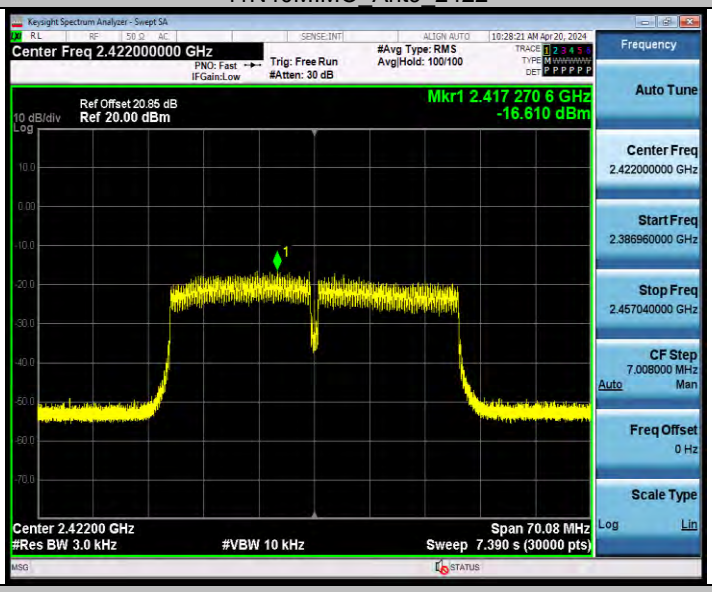


11N40MIMO_Ant8_2422



11N40MIMO_Ant9_2422



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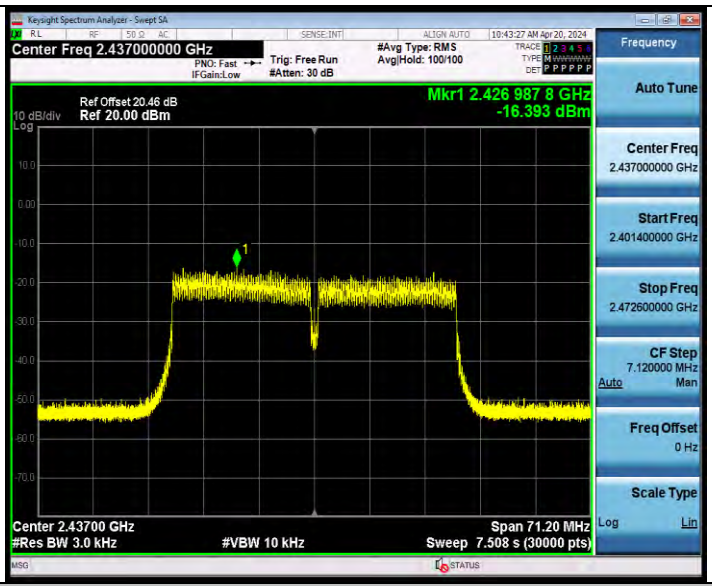
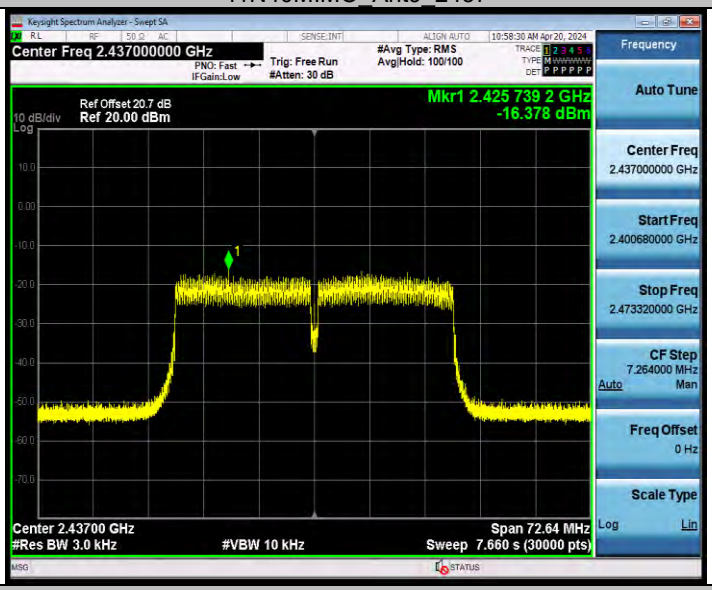


11N40MIMO_Ant9_2437



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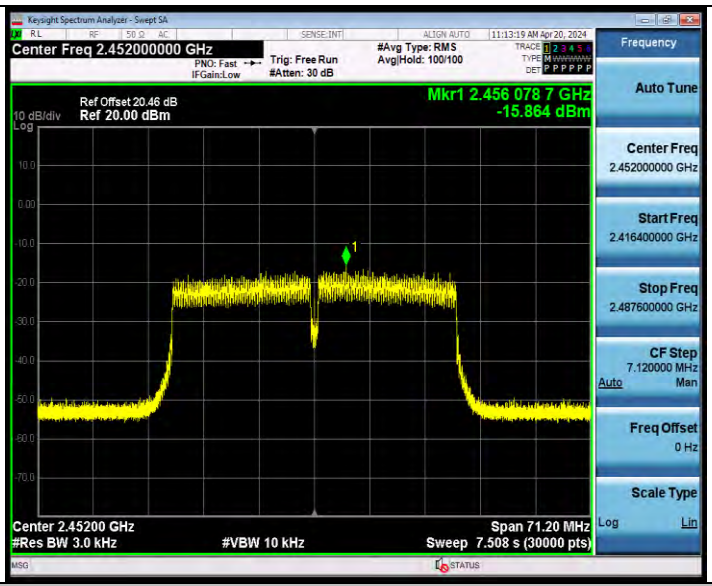
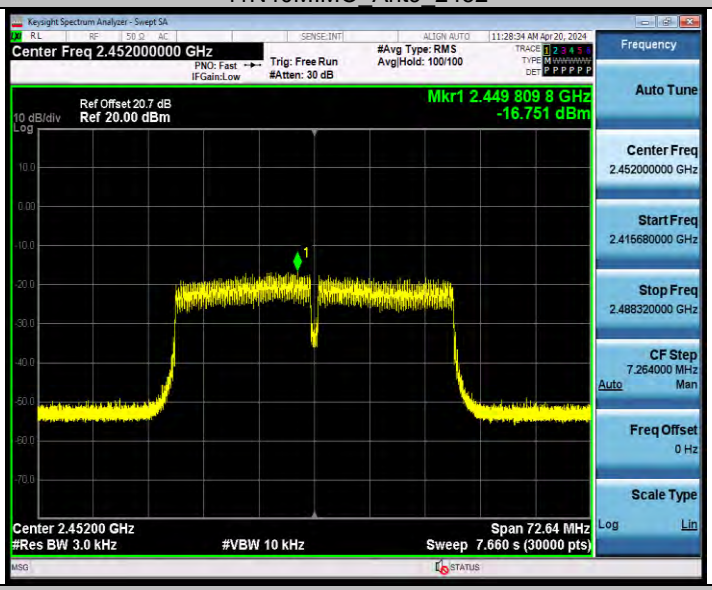
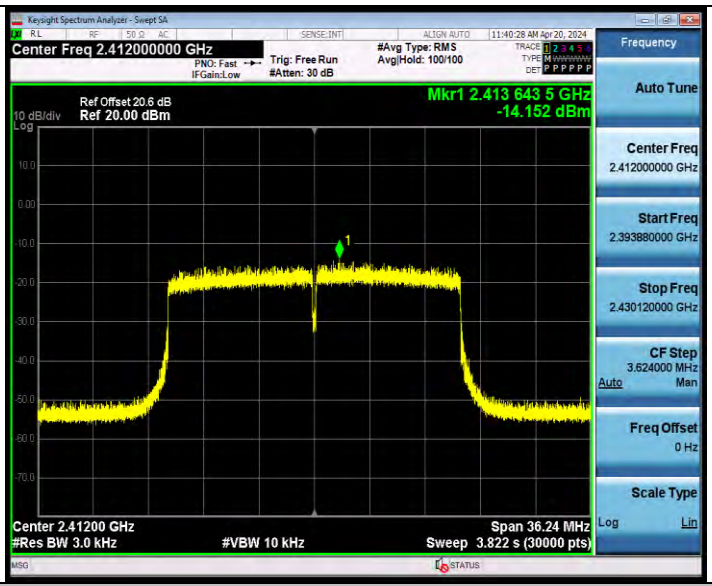


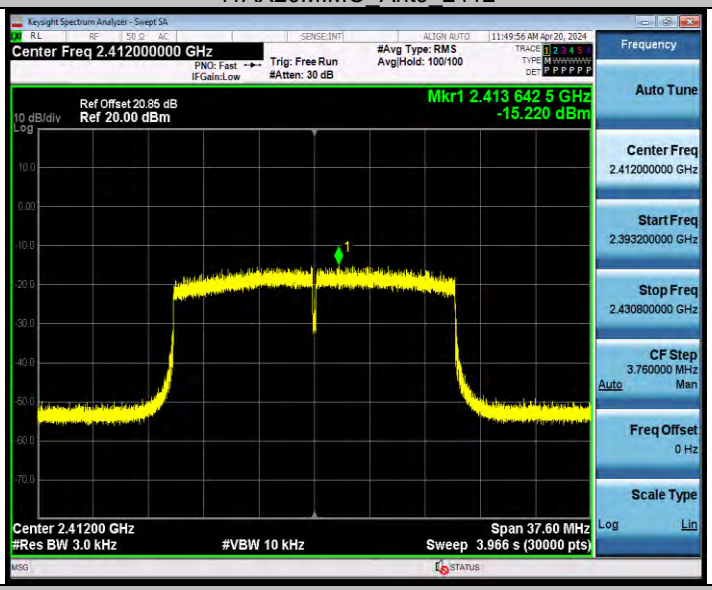
11N40MIMO_Ant9_2452



11AX20MIMO_Ant8_2412



11AX20MIMO_Ant9_2412



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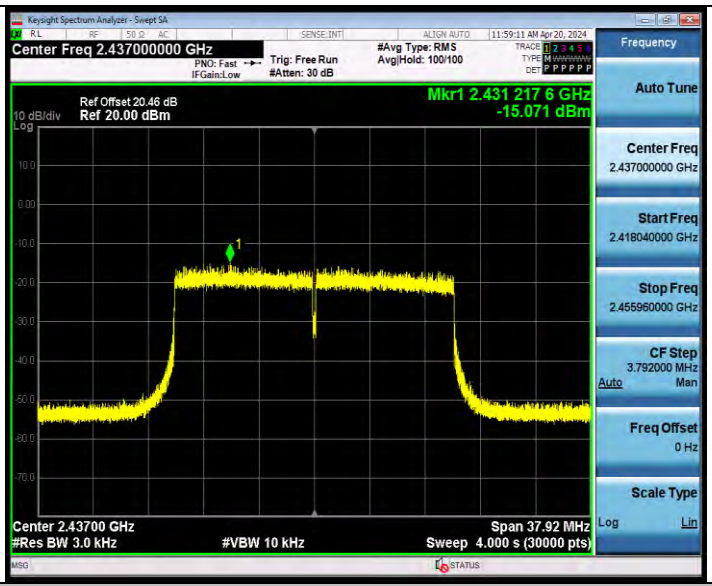

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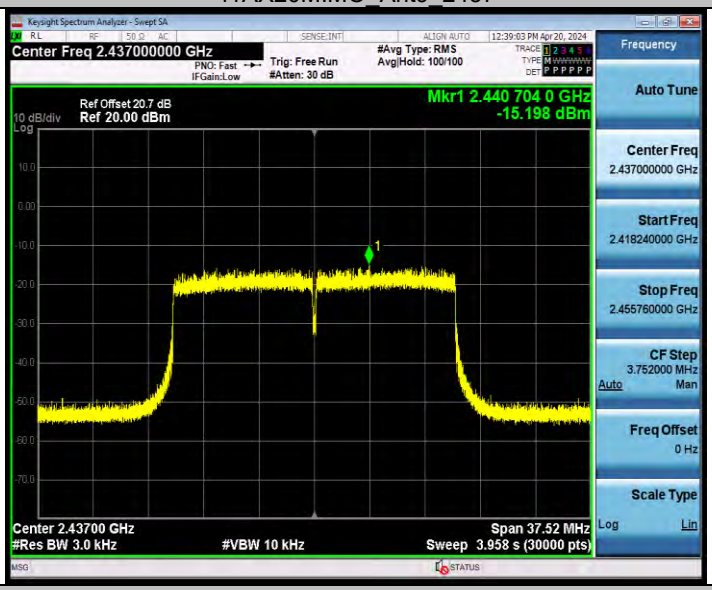

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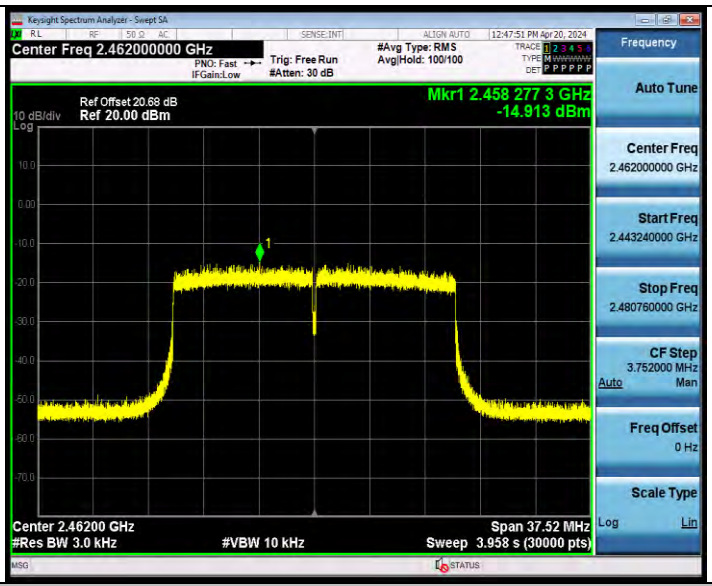

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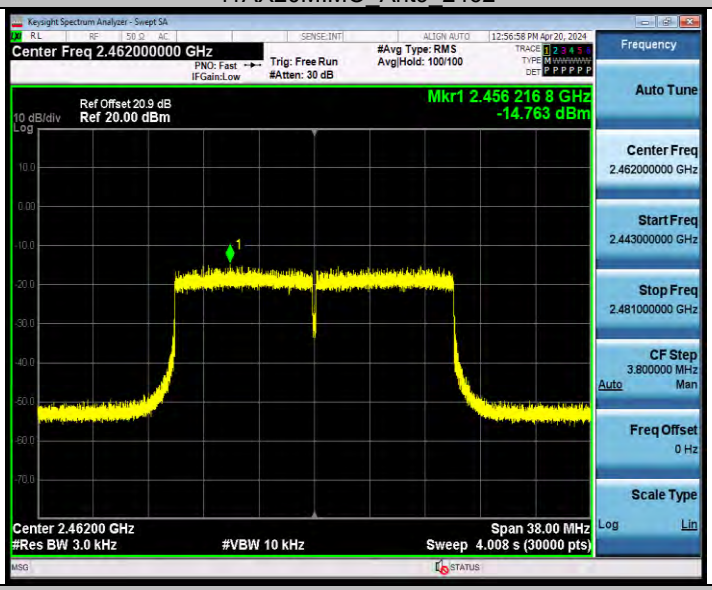

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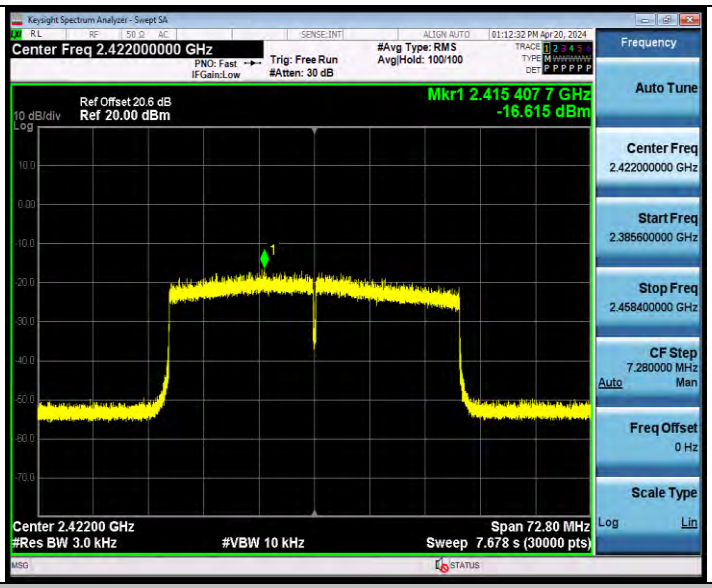

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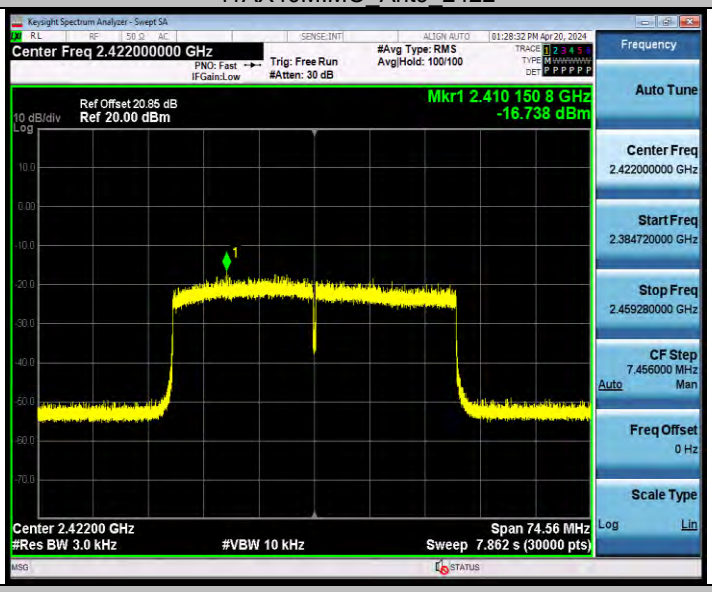

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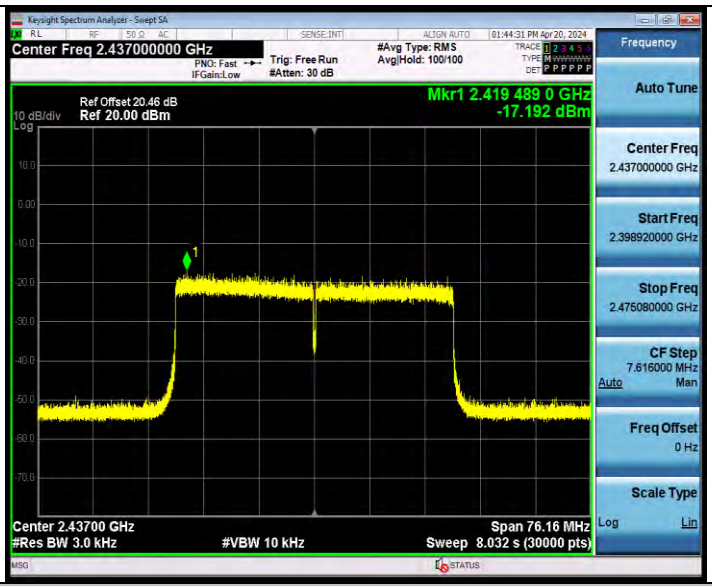

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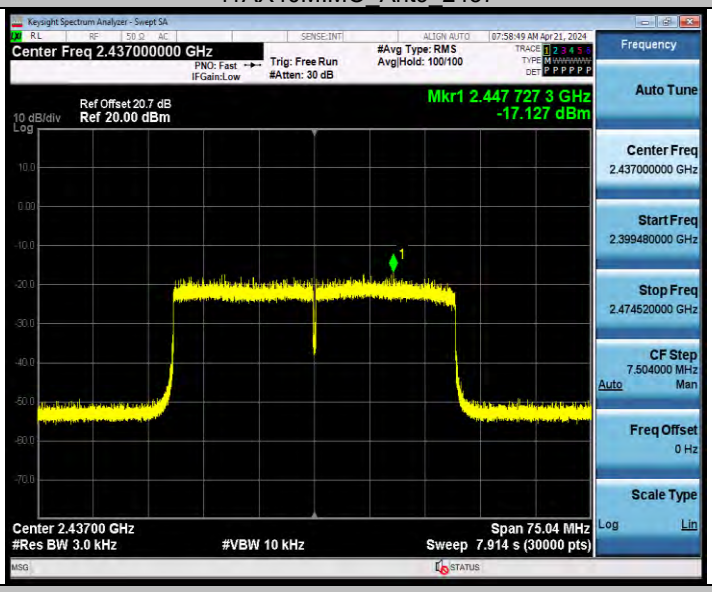

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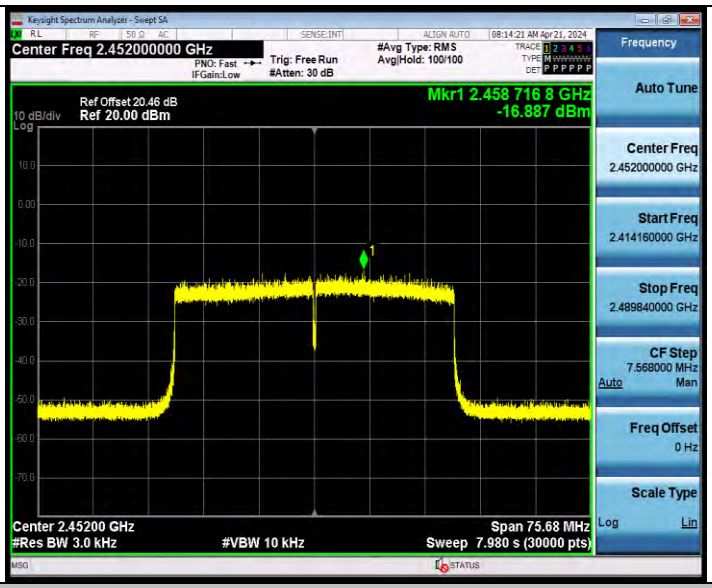

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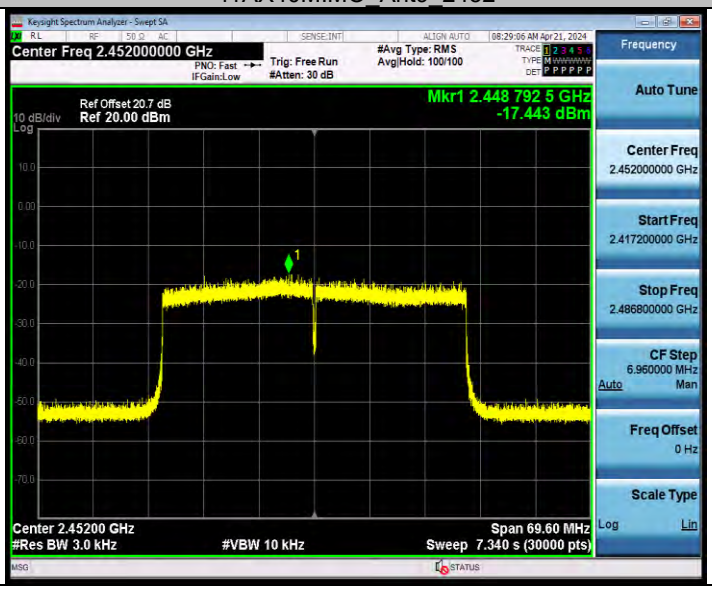
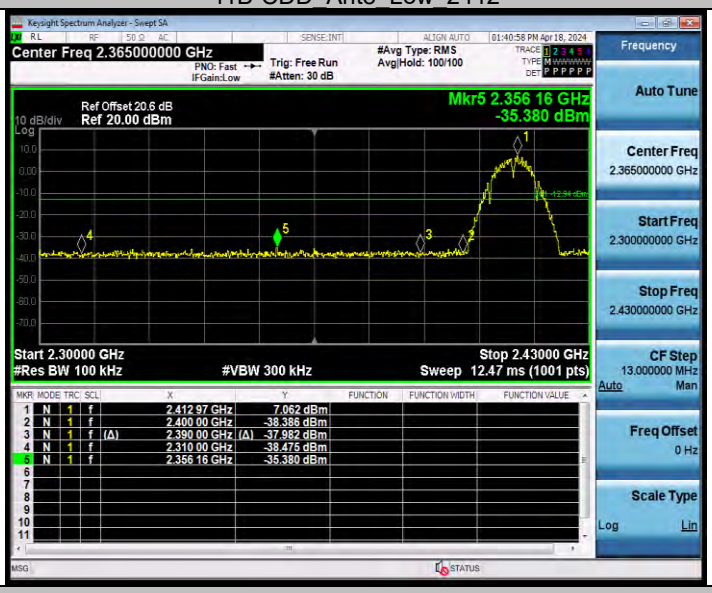


BAND EDGE MEASUREMENTS
TEST RESULT

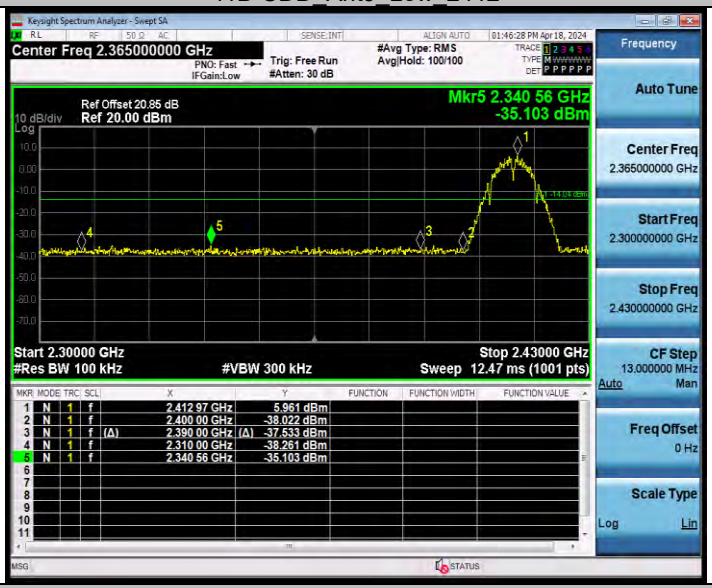
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B-CDD	Ant8	Low	2412	7.06	-35.38	≤-12.94	PASS
	Ant9	Low	2412	5.96	-35.1	≤-14.04	PASS
	Ant8	High	2462	5.71	-34.81	≤-14.29	PASS
	Ant9	High	2462	5.13	-34.7	≤-14.87	PASS
11G-CDD	Ant8	Low	2412	2.12	-35.33	≤-17.88	PASS
	Ant9	Low	2412	1.57	-34.91	≤-18.43	PASS
	Ant8	High	2462	1.87	-34.47	≤-18.13	PASS
	Ant9	High	2462	0.90	-35.23	≤-19.1	PASS
11N20MIMO	Ant8	Low	2412	-0.57	-35.51	≤-20.57	PASS
	Ant9	Low	2412	-1.31	-34.98	≤-21.31	PASS
	Ant8	High	2462	-1.47	-34.63	≤-21.47	PASS
	Ant9	High	2462	-1.24	-34.47	≤-21.24	PASS
11N40MIMO	Ant8	Low	2422	-3.36	-35.8	≤-23.36	PASS
	Ant9	Low	2422	-5.88	-35.24	≤-25.88	PASS
	Ant8	High	2452	-4.37	-34.81	≤-24.37	PASS
	Ant9	High	2452	-5.09	-34.73	≤-25.09	PASS
11AX20MIMO	Ant8	Low	2412	-1.62	-35.19	≤-21.62	PASS
	Ant9	Low	2412	-1.47	-35.02	≤-21.47	PASS
	Ant8	High	2462	-1.04	-34.32	≤-21.04	PASS
	Ant9	High	2462	-0.44	-34.51	≤-20.44	PASS
11AX40MIMO	Ant8	Low	2422	-2.45	-35.39	≤-22.45	PASS
	Ant9	Low	2422	-3.54	-34.32	≤-23.54	PASS
	Ant8	High	2452	-4.90	-35.27	≤-24.9	PASS
	Ant9	High	2452	-3.42	-34.99	≤-23.42	PASS

TEST GRAPHS

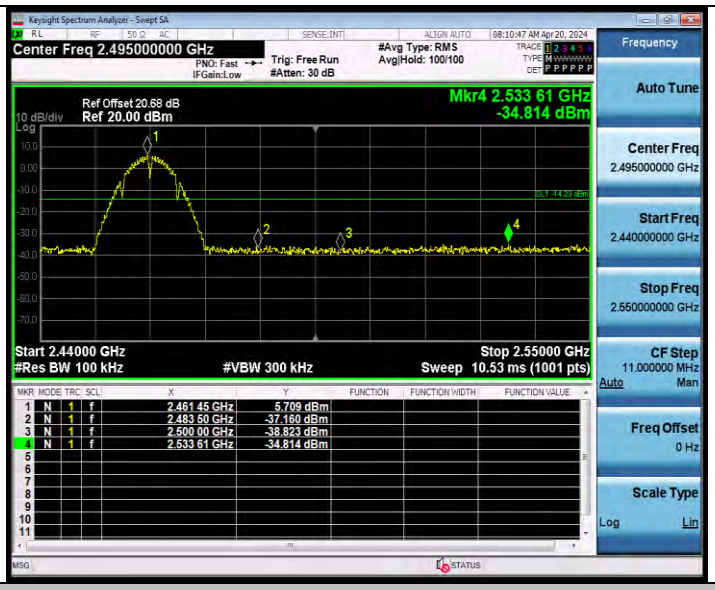
11B-CDD_Ant8_Low_2412



11B-CDD_Ant9_Low_2412



11B-CDD_Ant8_High_2462



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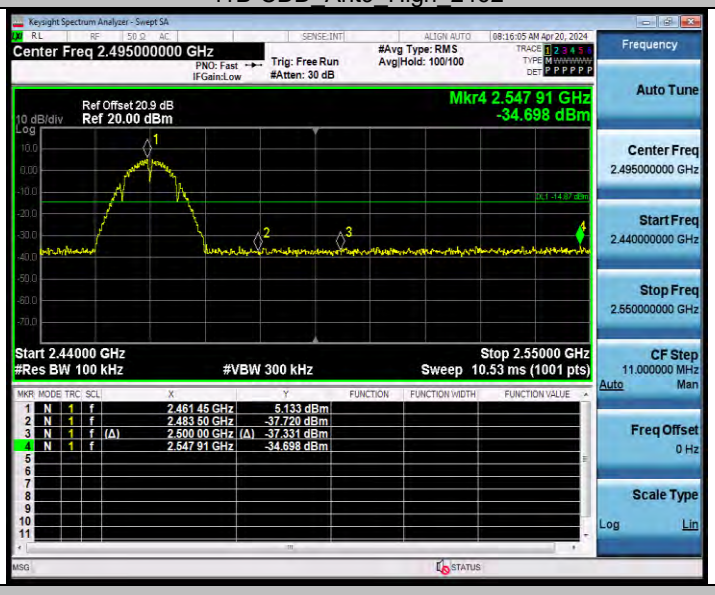

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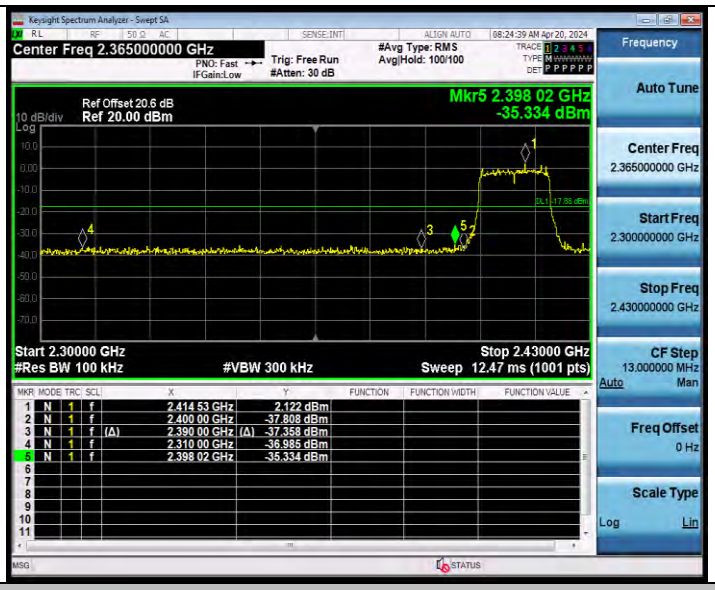

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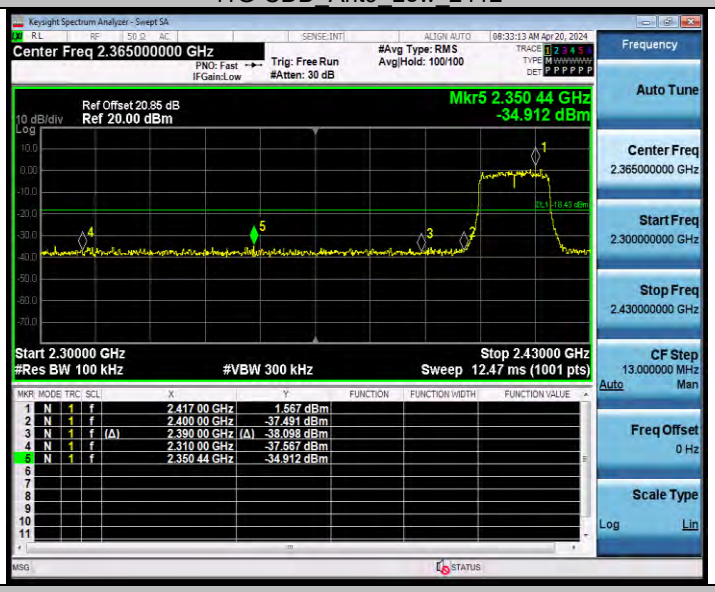

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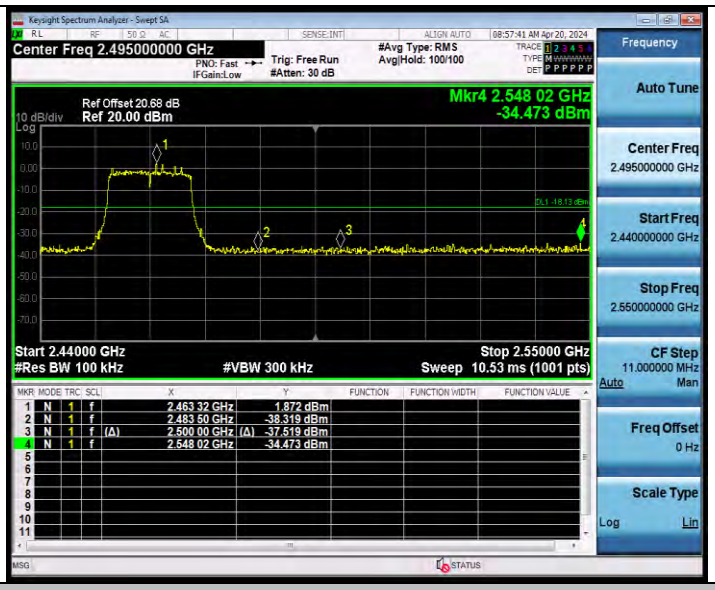

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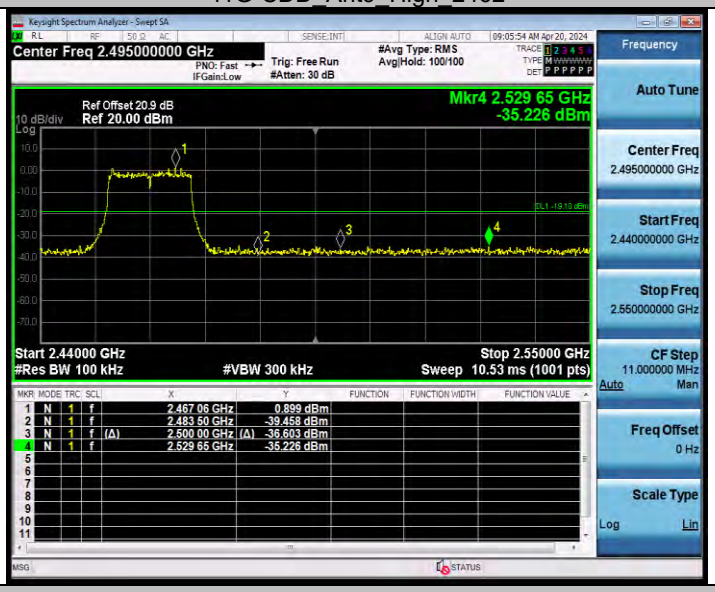

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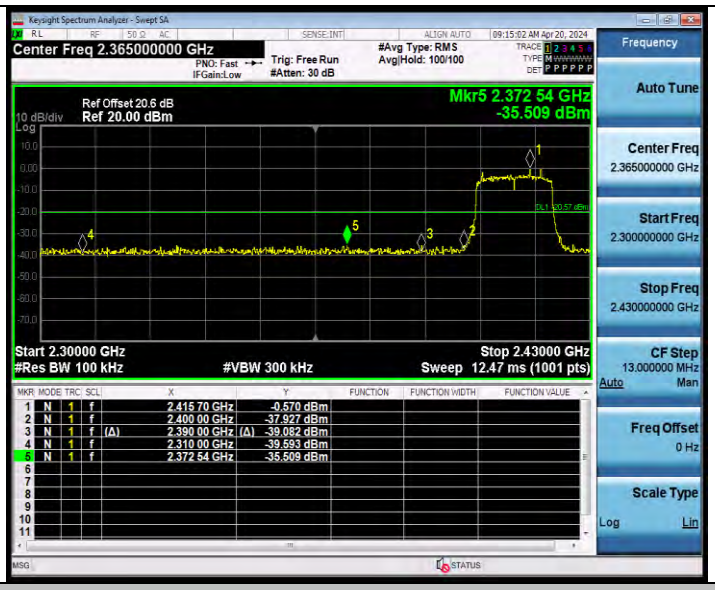

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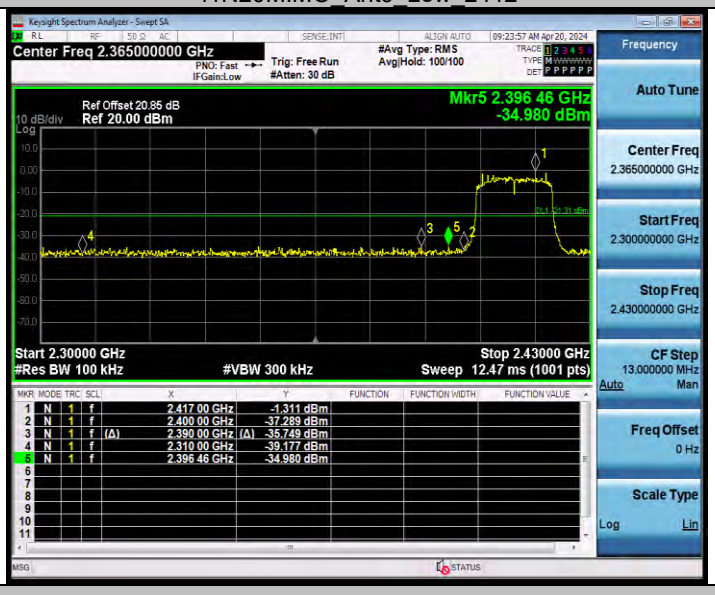

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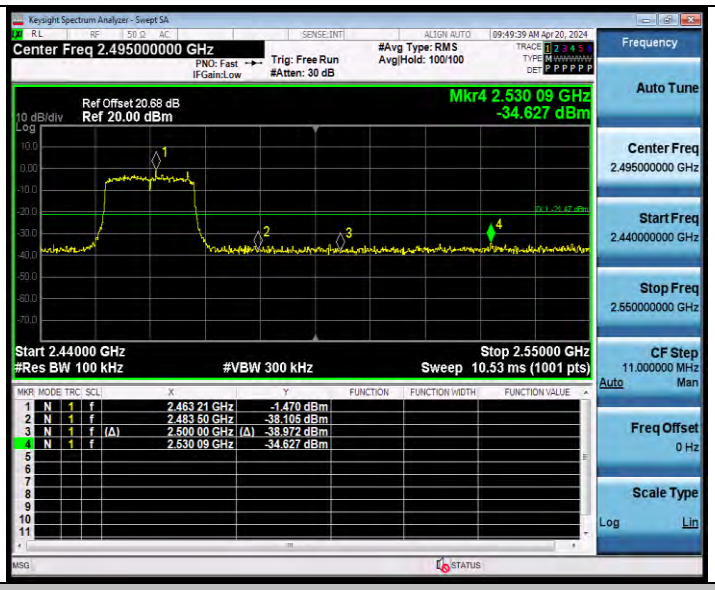

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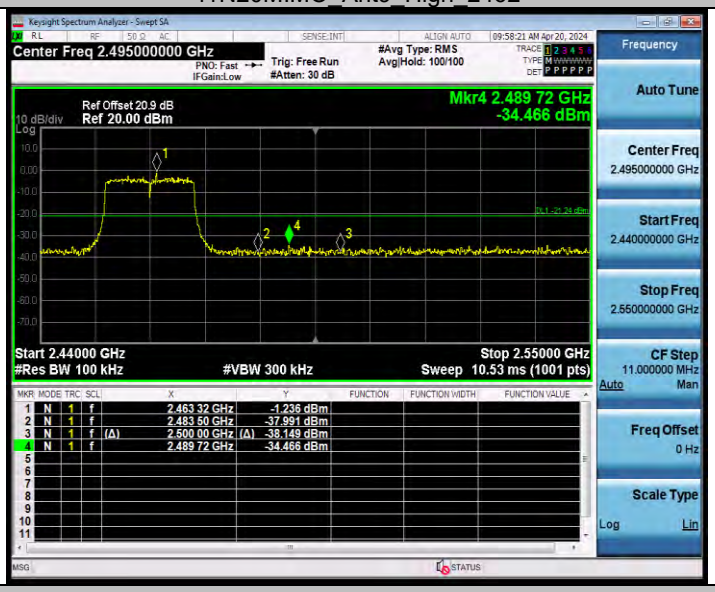

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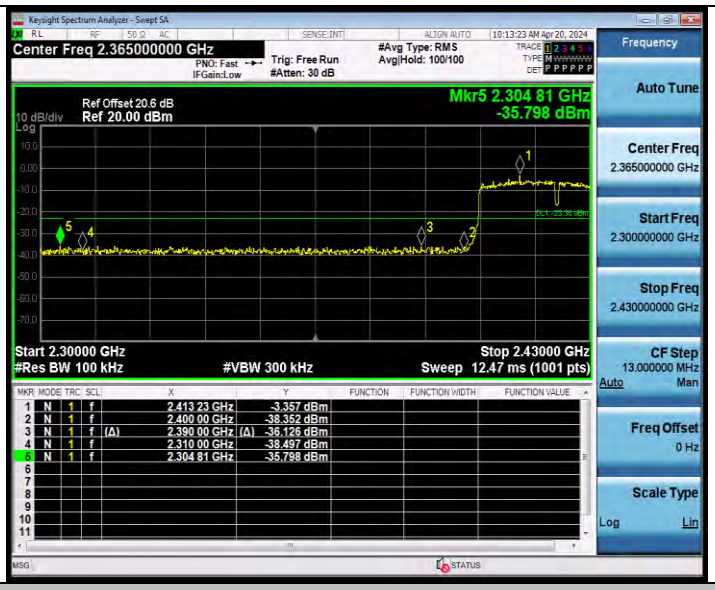

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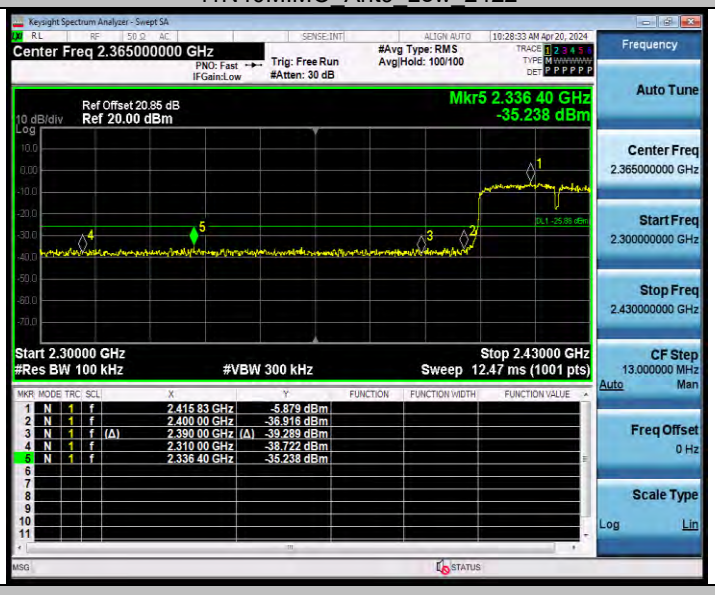

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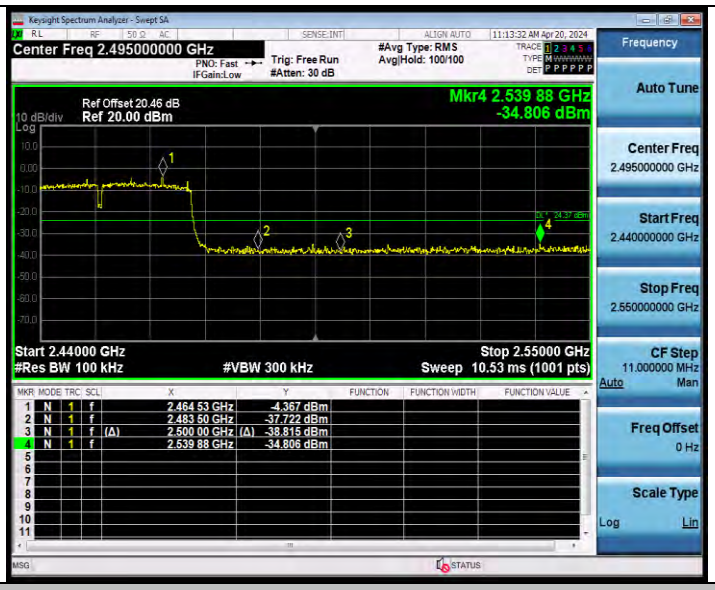

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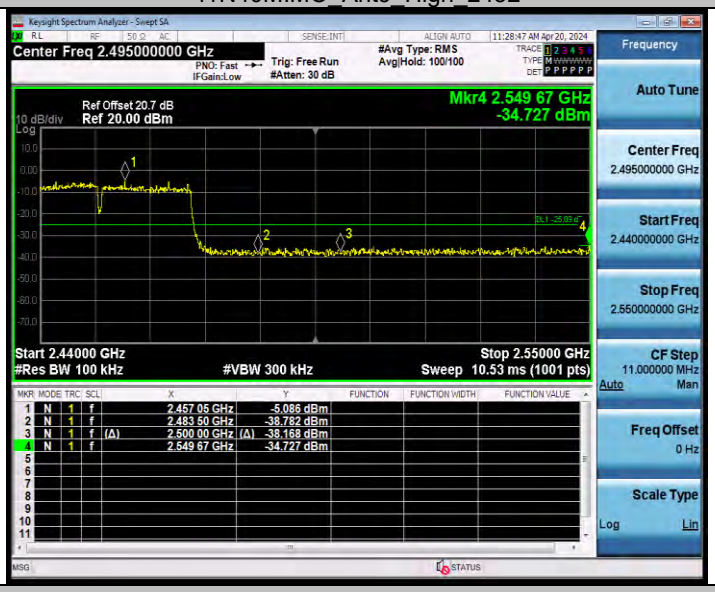

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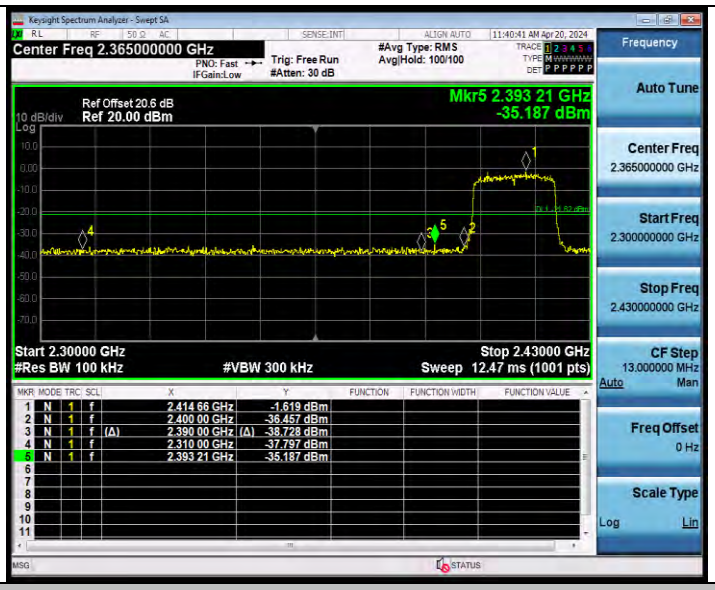

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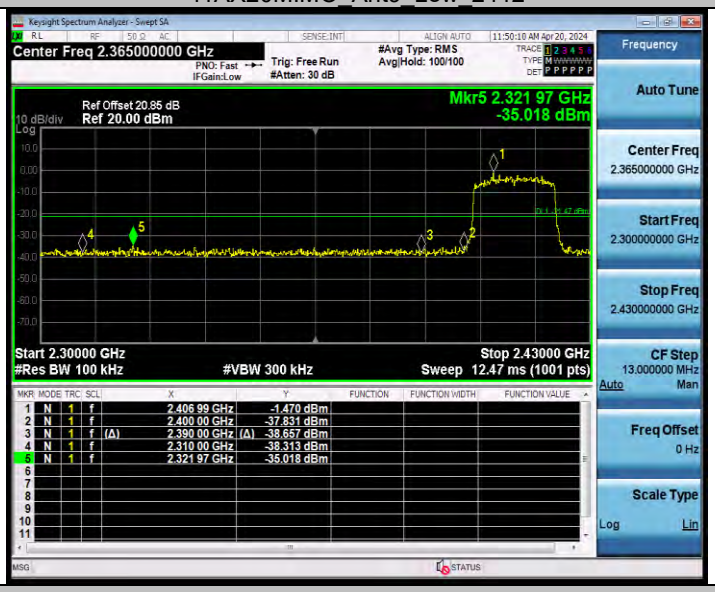

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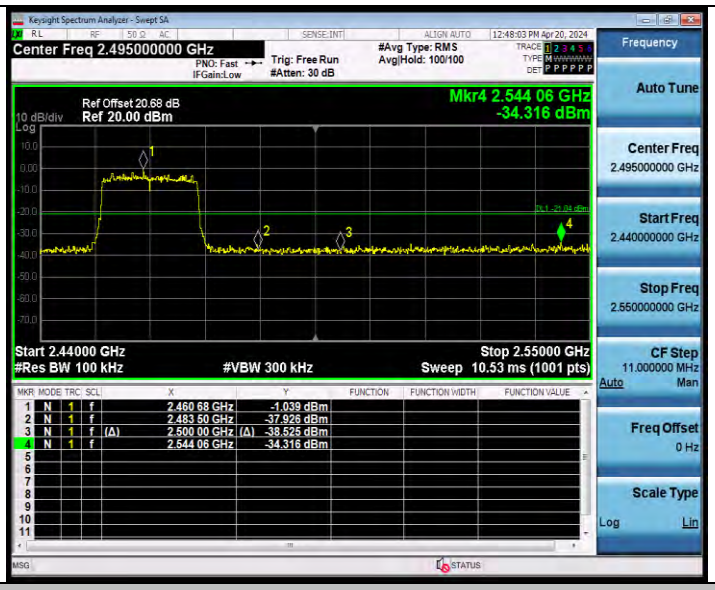

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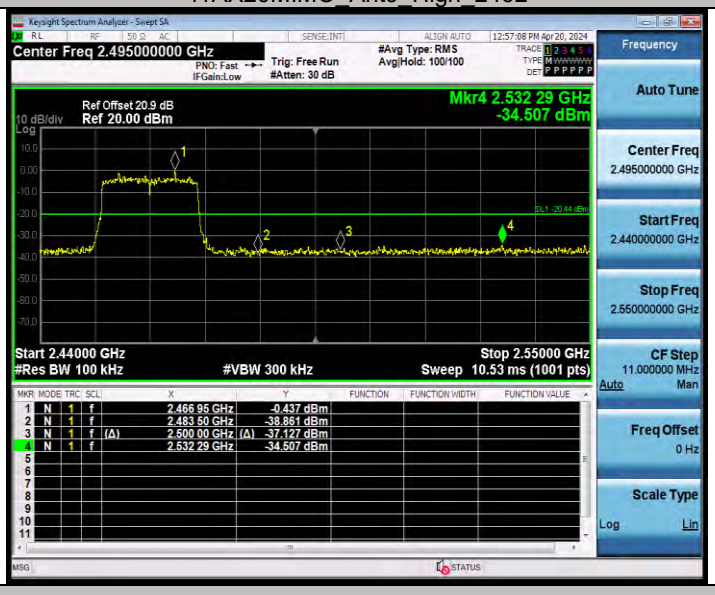

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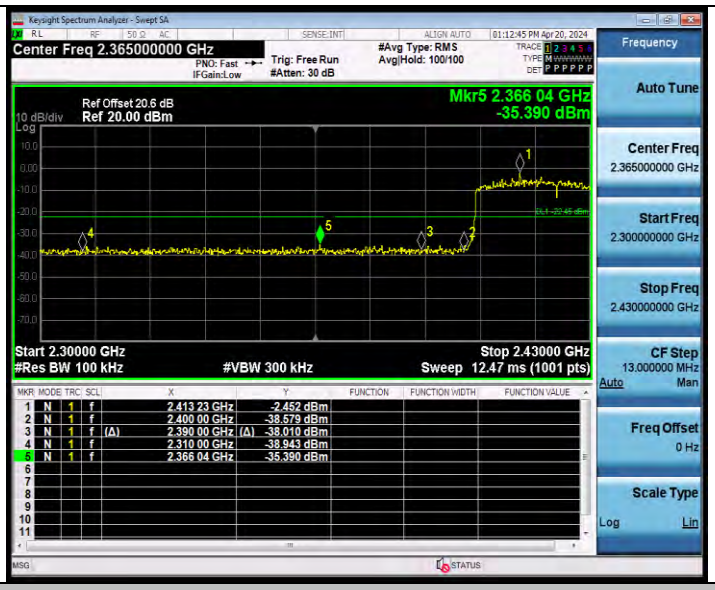

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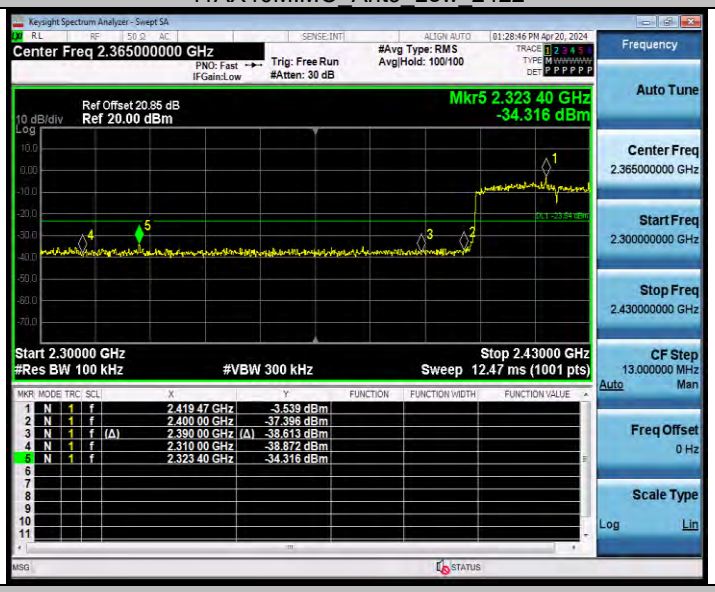

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