DUTY CYCLE

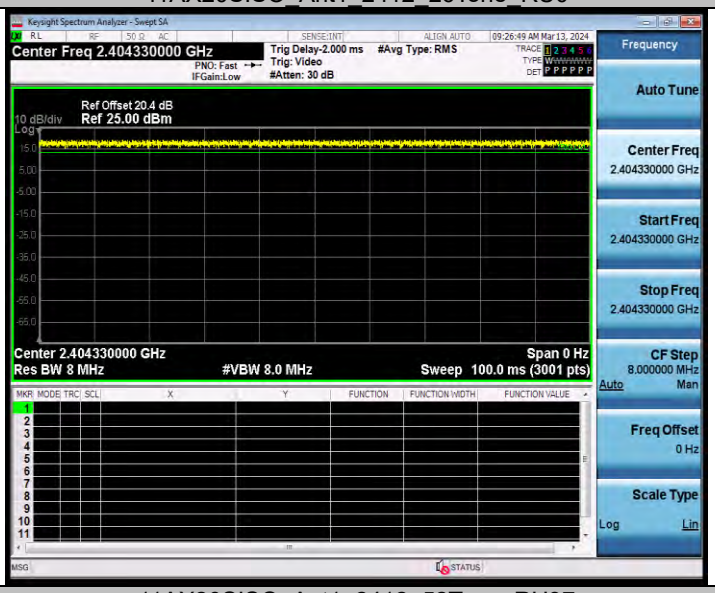
TEST RESULT

TestMode	Antenna	Frequency[MHz]	RuSize	RuIndex	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11AX20SISO	Ant1	2412	26Tone	RU0	100.00	100.00	100.00
			52Tone	RU37	100.00	100.00	100.00
			106Tone	RU53	100.00	100.00	100.00
			242Tone	RU61	100.00	100.00	100.00
	Ant2	2412	26Tone	RU0	100.00	100.00	100.00
			52Tone	RU37	100.00	100.00	100.00
			106Tone	RU53	100.00	100.00	100.00
			242Tone	RU61	100.00	100.00	100.00
	Ant1	2437	26Tone	RU4	100.00	100.00	100.00
			52Tone	RU38	100.00	100.00	100.00
			106Tone	RU53	100.00	100.00	100.00
			242Tone	RU61	100.00	100.00	100.00
	Ant2	2437	26Tone	RU4	100.00	100.00	100.00
			52Tone	RU38	100.00	100.00	100.00
			106Tone	RU53	100.00	100.00	100.00
			242Tone	RU61	100.00	100.00	100.00
	Ant1	2462	26Tone	RU8	100.00	100.00	100.00
			52Tone	RU40	100.00	100.00	100.00
			106Tone	RU54	100.00	100.00	100.00
			242Tone	RU61	100.00	100.00	100.00
	Ant2	2462	26Tone	RU8	100.00	100.00	100.00
			52Tone	RU40	100.00	100.00	100.00
			106Tone	RU54	100.00	100.00	100.00
			242Tone	RU61	100.00	100.00	100.00
11AX40SISO	Ant1	2422	484Tone	RU65	100.00	100.00	100.00
	Ant2	2422	484Tone	RU65	100.00	100.00	100.00
	Ant1	2437	484Tone	RU65	100.00	100.00	100.00
	Ant2	2437	484Tone	RU65	100.00	100.00	100.00
	Ant1	2452	484Tone	RU65	100.00	100.00	100.00
	Ant2	2452	484Tone	RU65	100.00	100.00	100.00
11AX20MIMO	Ant1	2412	26Tone	RU0	100.00	100.00	100.00
			52Tone	RU37	100.00	100.00	100.00
			106Tone	RU53	100.00	100.00	100.00
			242Tone	RU61	100.00	100.00	100.00
	Ant2	2412	26Tone	RU0	100.00	100.00	100.00
			52Tone	RU37	100.00	100.00	100.00
			106Tone	RU53	100.00	100.00	100.00
			242Tone	RU61	100.00	100.00	100.00
	Ant1	2437	26Tone	RU4	100.00	100.00	100.00
			52Tone	RU38	100.00	100.00	100.00
			106Tone	RU53	100.00	100.00	100.00
			242Tone	RU61	100.00	100.00	100.00
	Ant2	2437	26Tone	RU4	100.00	100.00	100.00
			52Tone	RU38	100.00	100.00	100.00
			106Tone	RU53	100.00	100.00	100.00
			242Tone	RU61	100.00	100.00	100.00
	Ant1	2462	26Tone	RU8	100.00	100.00	100.00
			52Tone	RU40	100.00	100.00	100.00
			106Tone	RU54	100.00	100.00	100.00
			242Tone	RU61	100.00	100.00	100.00
	Ant2	2462	26Tone	RU8	100.00	100.00	100.00
			52Tone	RU40	100.00	100.00	100.00

			106Tone	RU54	100.00	100.00	100.00
			242Tone	RU61	100.00	100.00	100.00
11AX40MIMO	Ant1	2422	484Tone	RU65	100.00	100.00	100.00
	Ant2	2422	484Tone	RU65	100.00	100.00	100.00
	Ant1	2437	484Tone	RU65	100.00	100.00	100.00
	Ant2	2437	484Tone	RU65	100.00	100.00	100.00
	Ant1	2452	484Tone	RU65	100.00	100.00	100.00
	Ant2	2452	484Tone	RU65	100.00	100.00	100.00

TEST GRAPHS

11AX20SISO_Ant1_2412_26Tone_RU0



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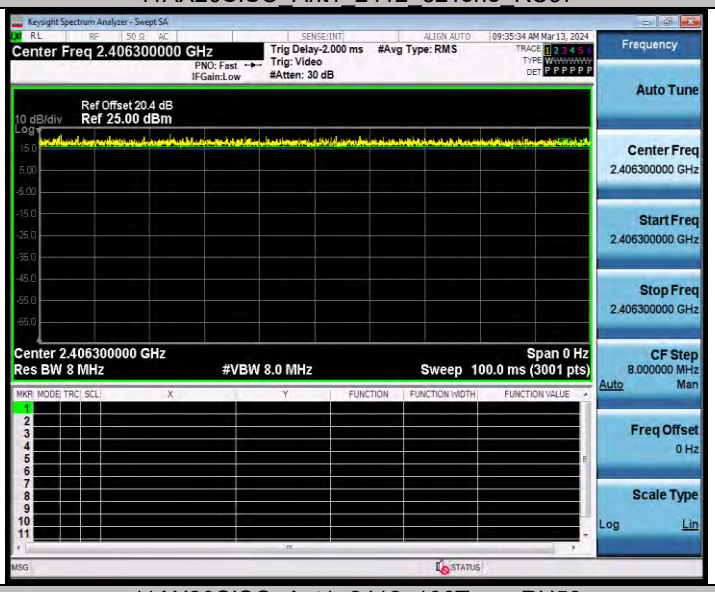
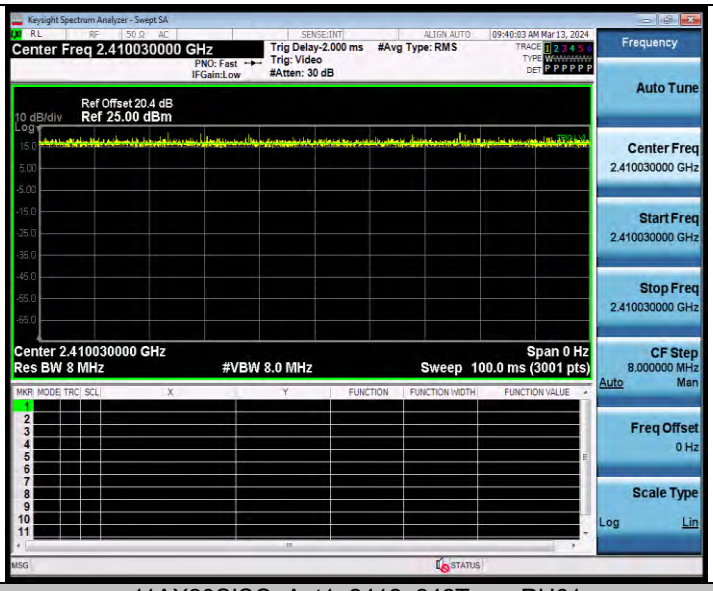


11AX20SISO_Ant1_2412_106Tone_RU53



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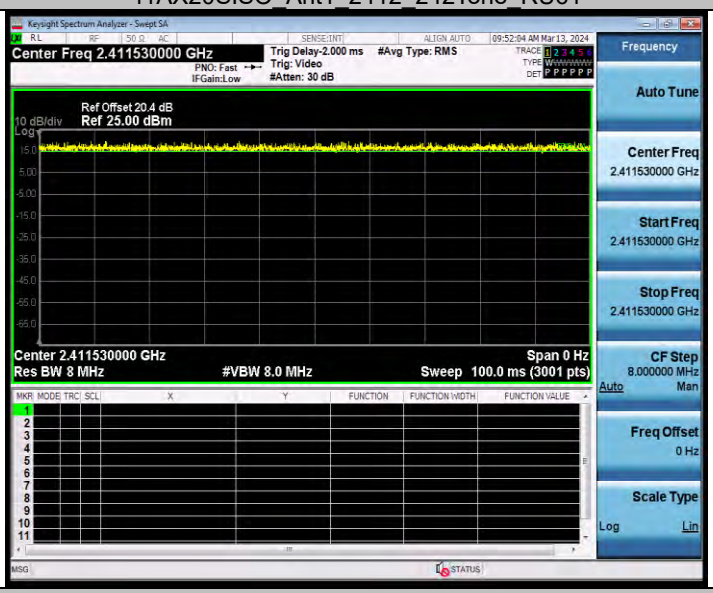

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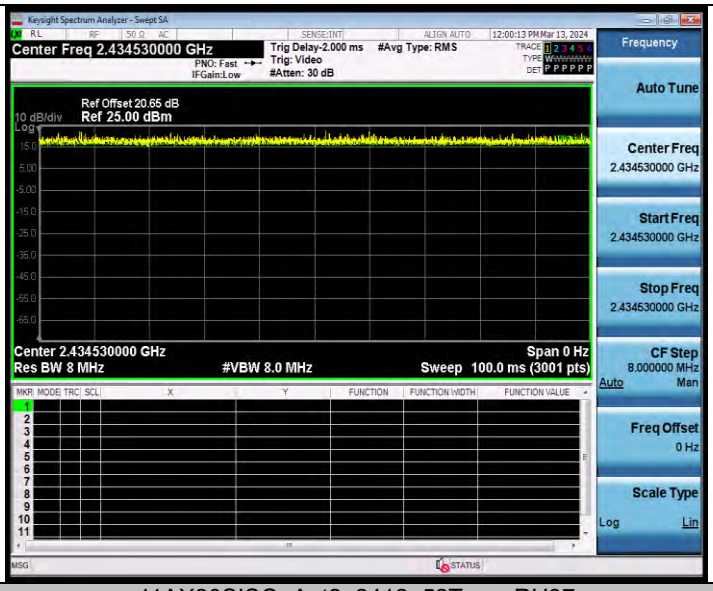

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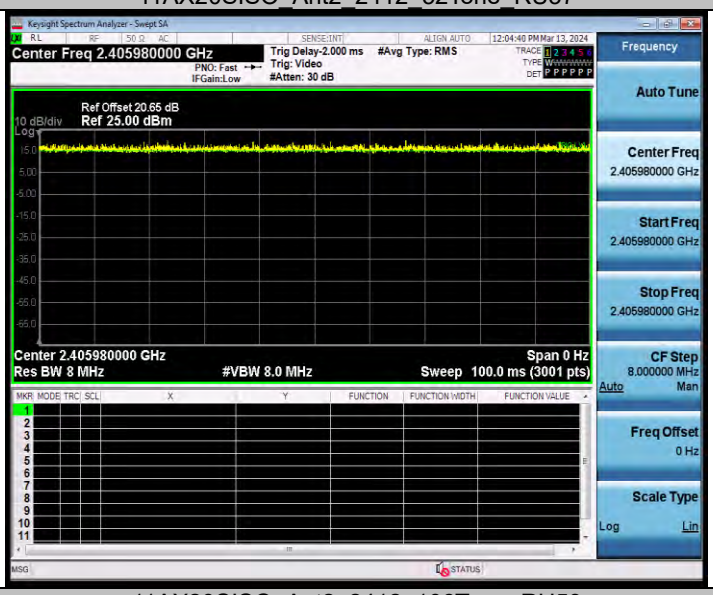

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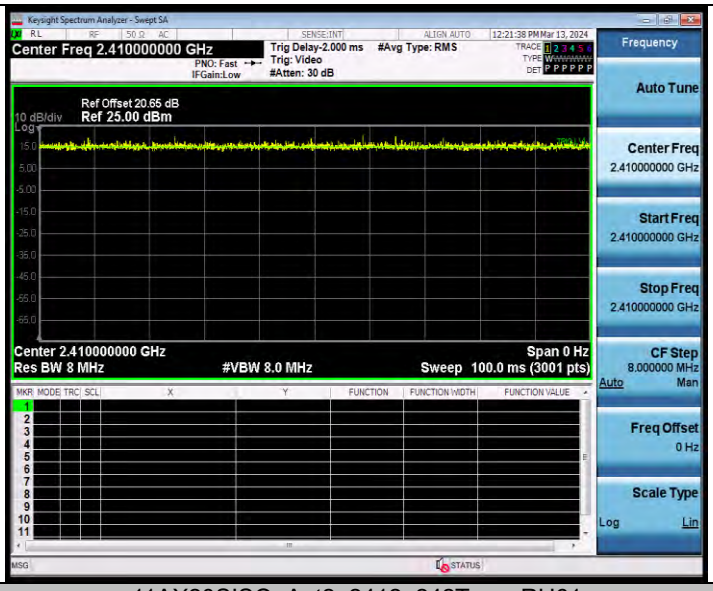

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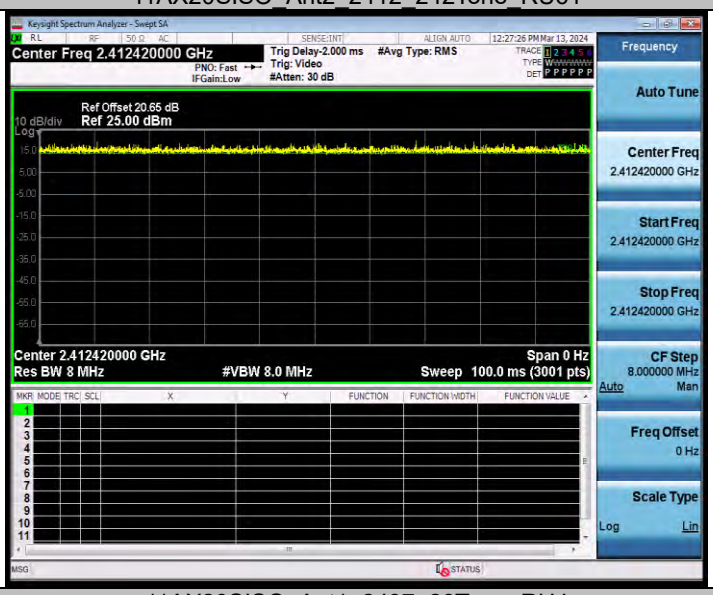

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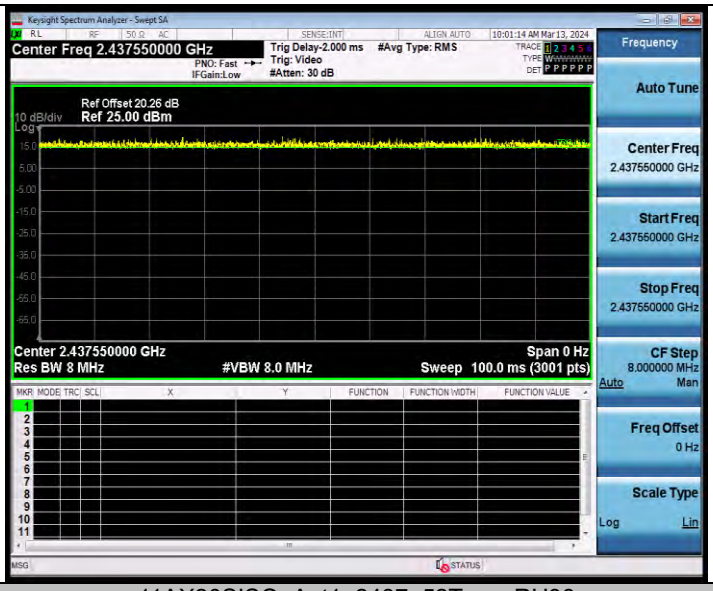
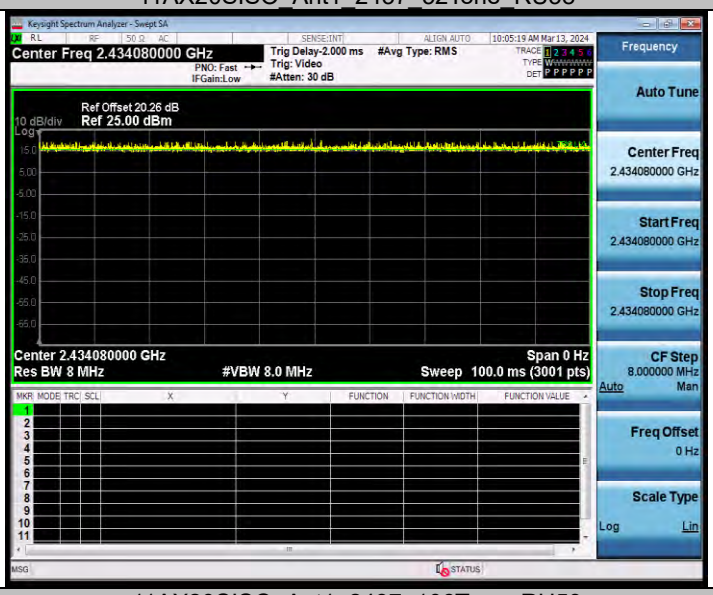


11AX20SISO_Ant1_2437_52Tone_RU38



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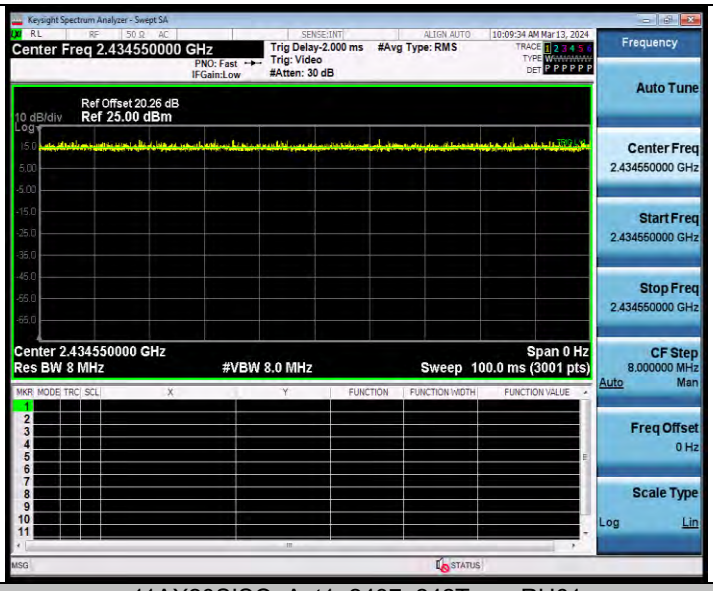

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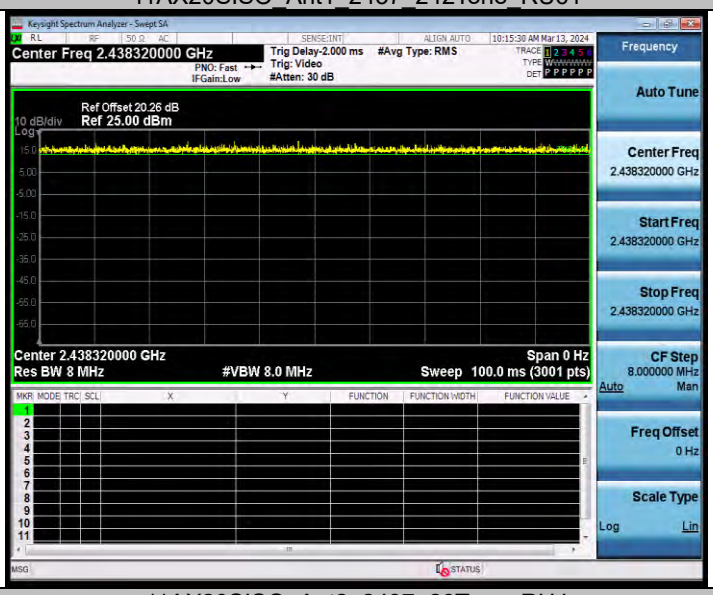

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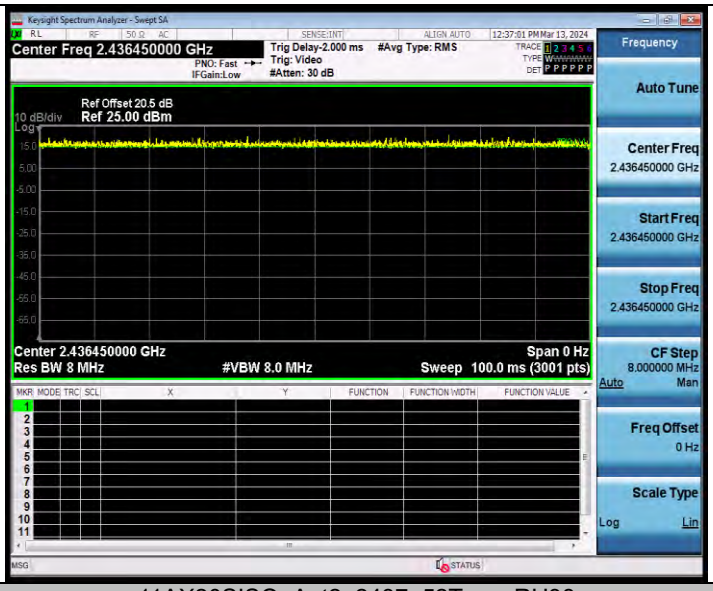

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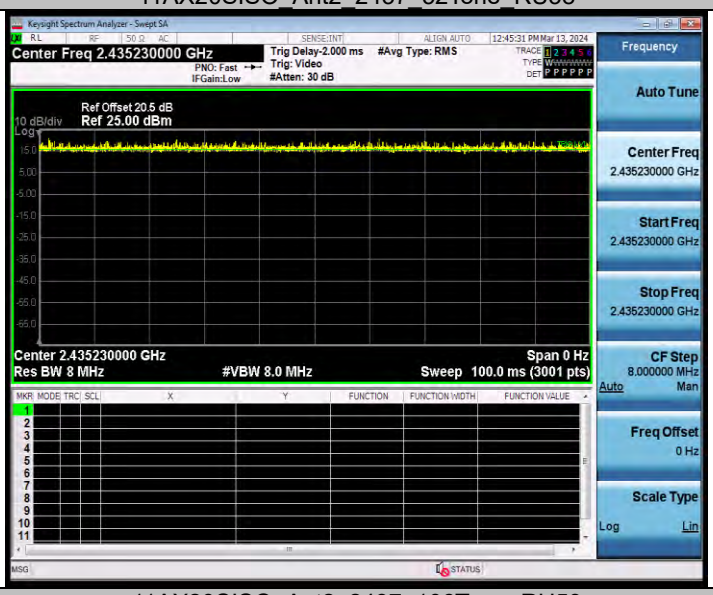

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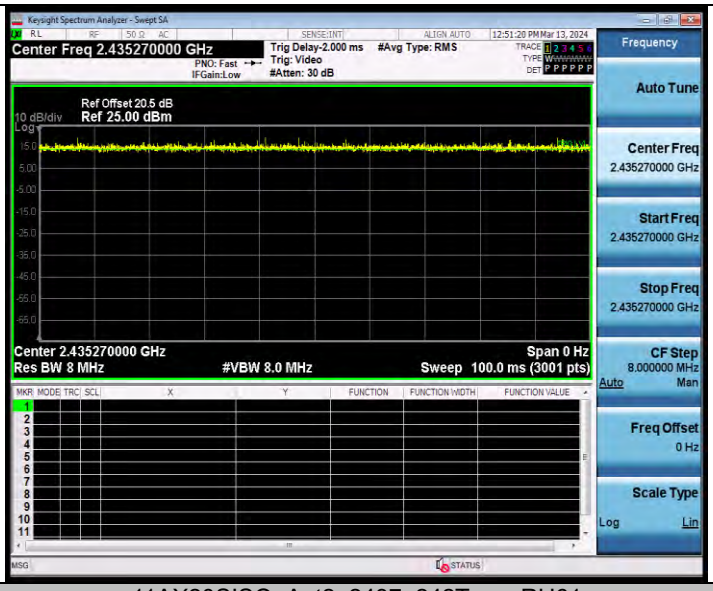

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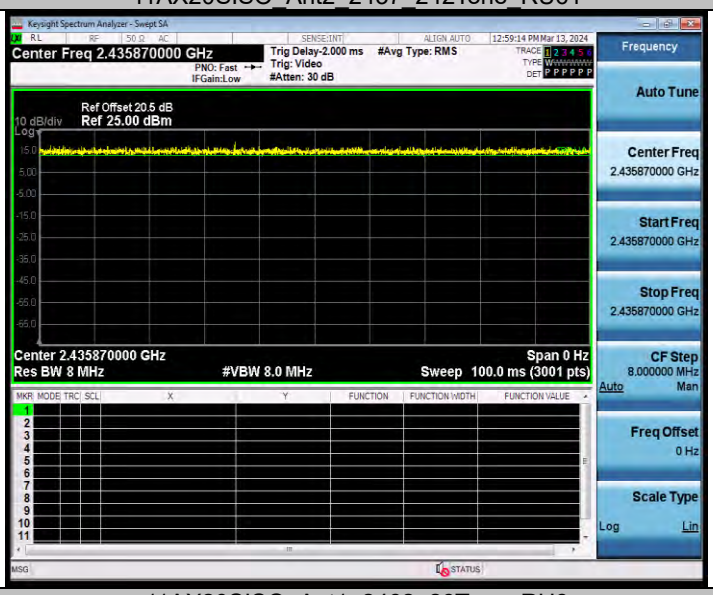

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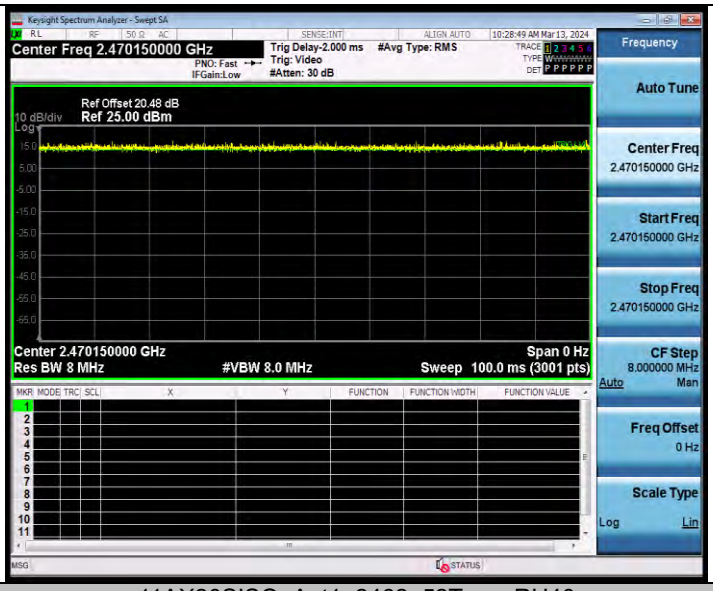

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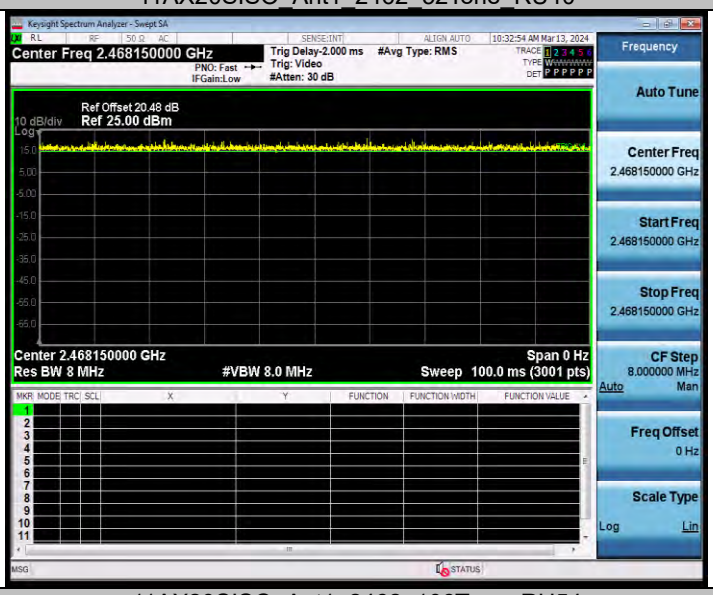

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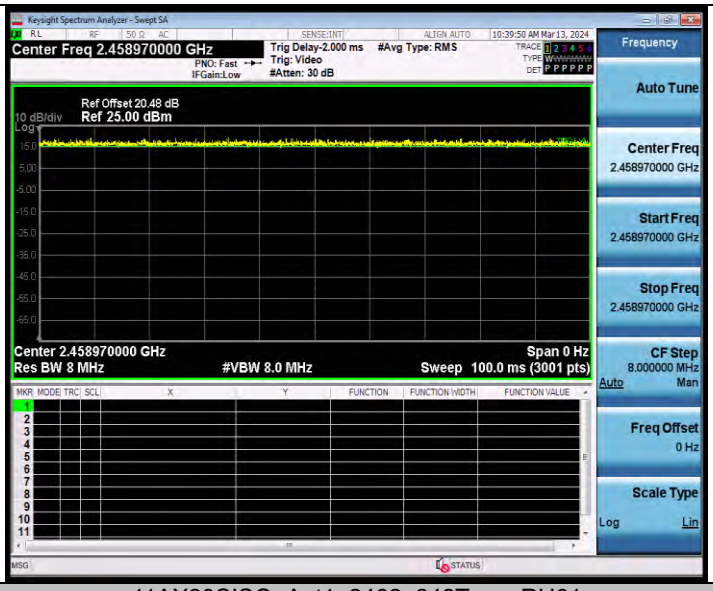
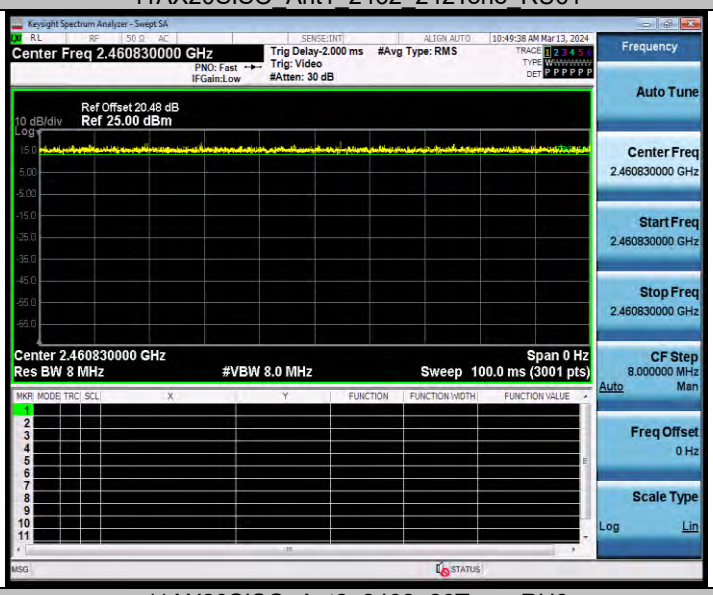


11AX20SISO_Ant1_2462_242Tone_RU61



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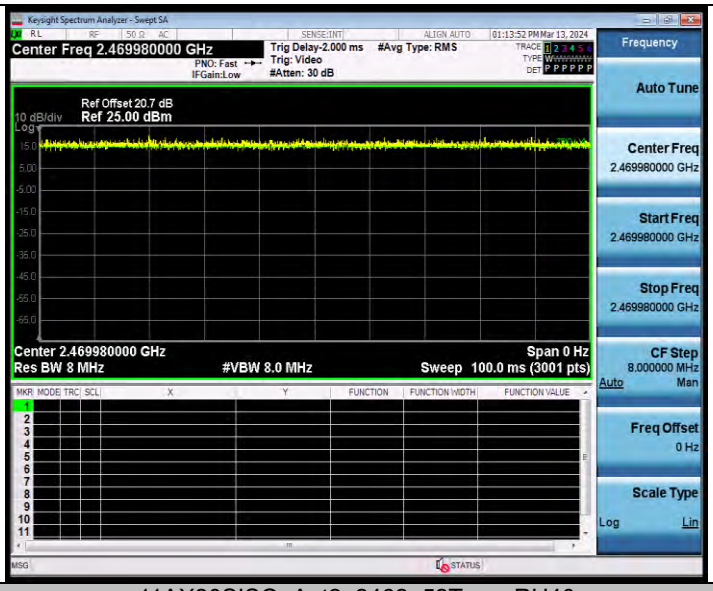

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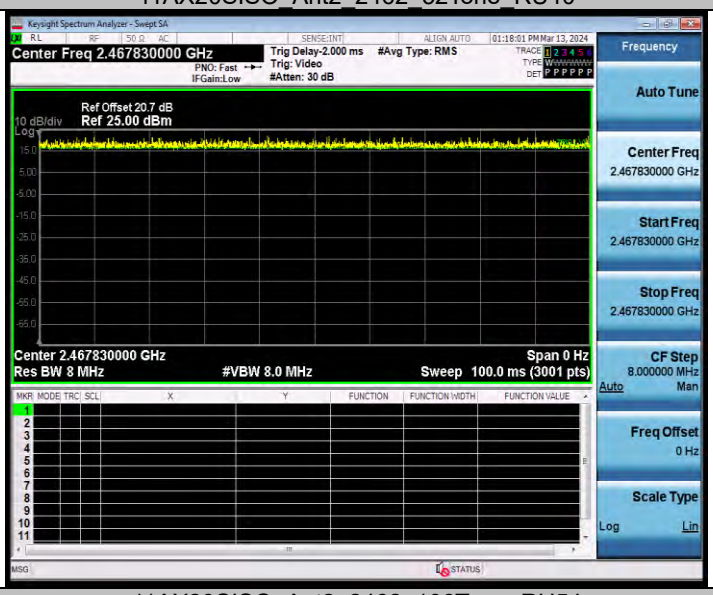

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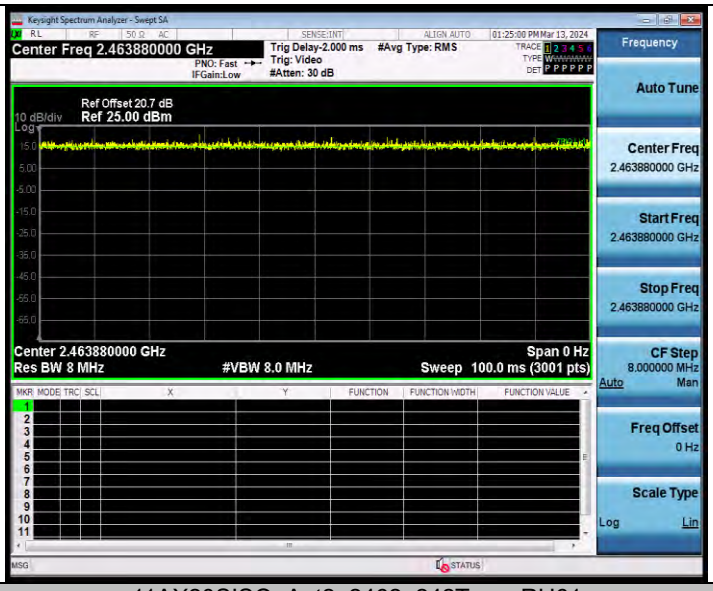
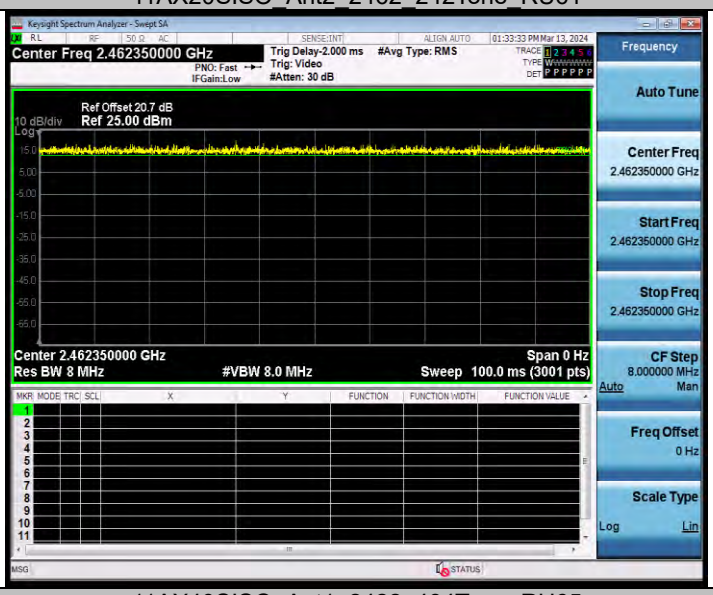


11AX20SISO_Ant2_2462_242Tone_RU61



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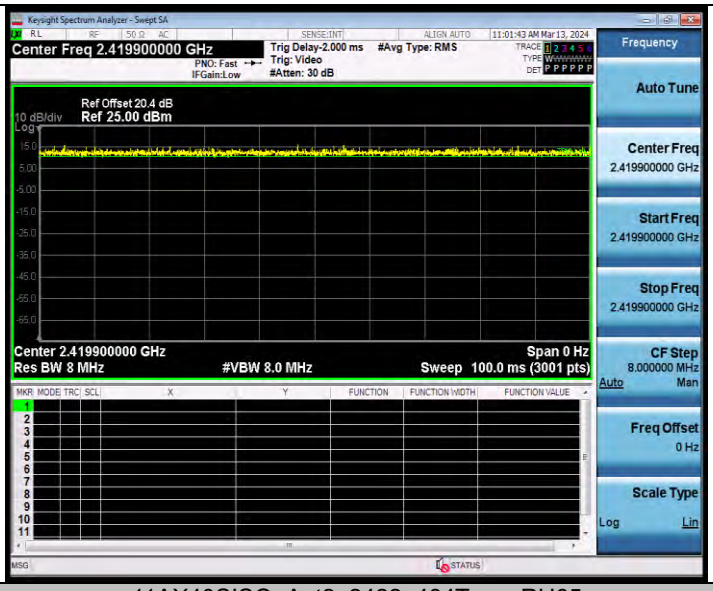

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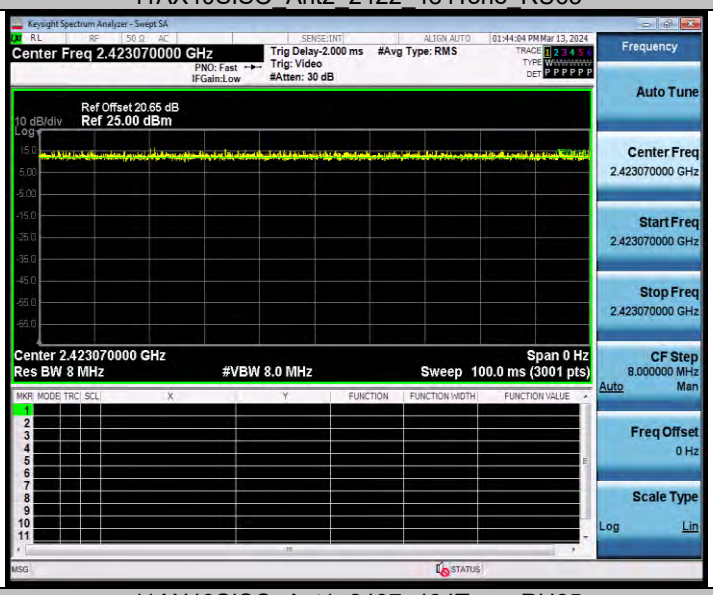

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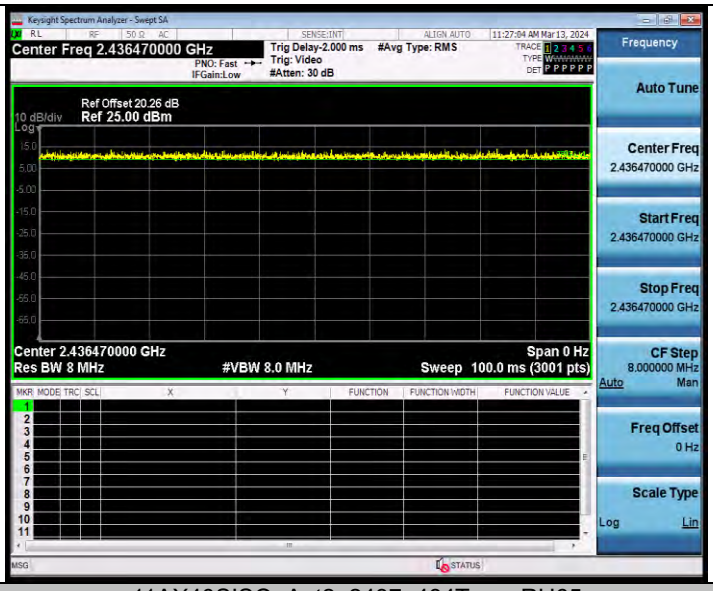

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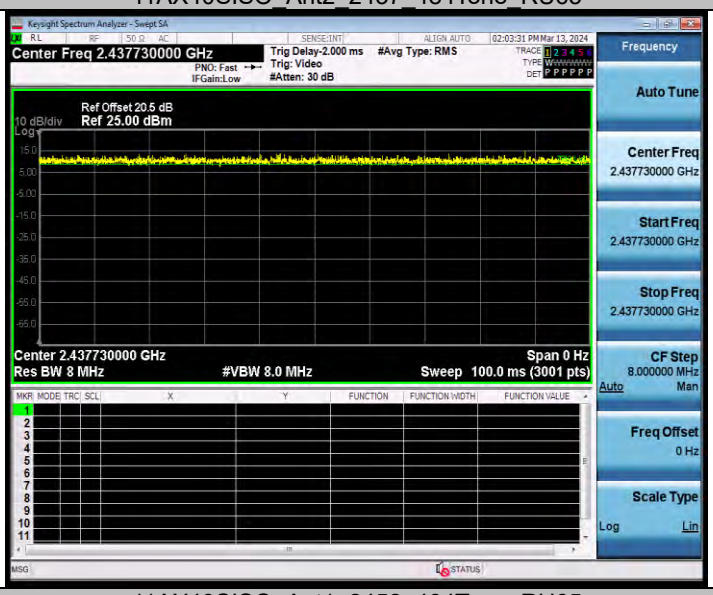

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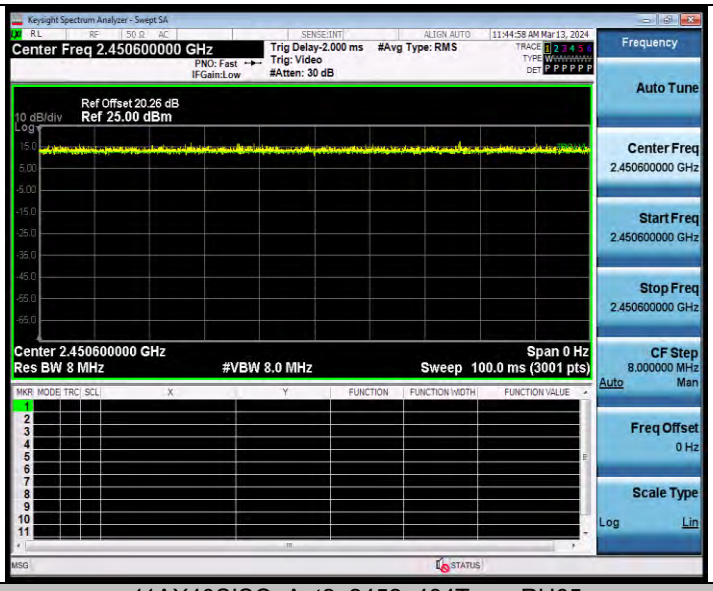

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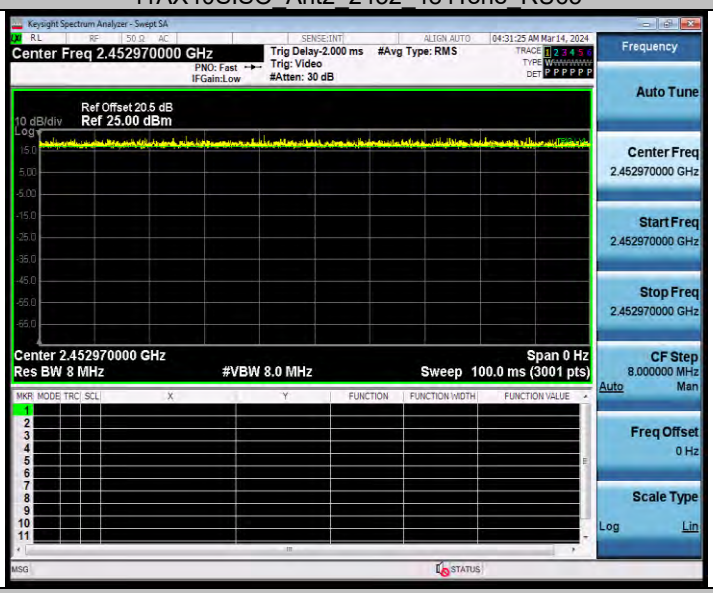

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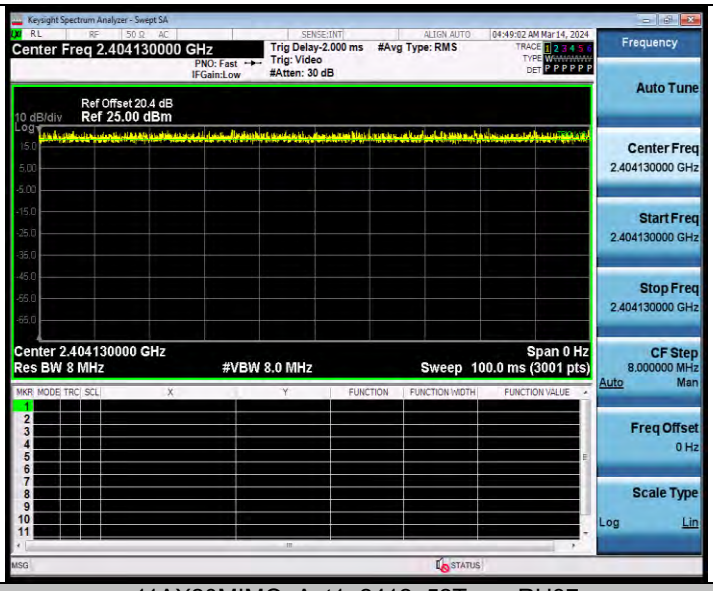

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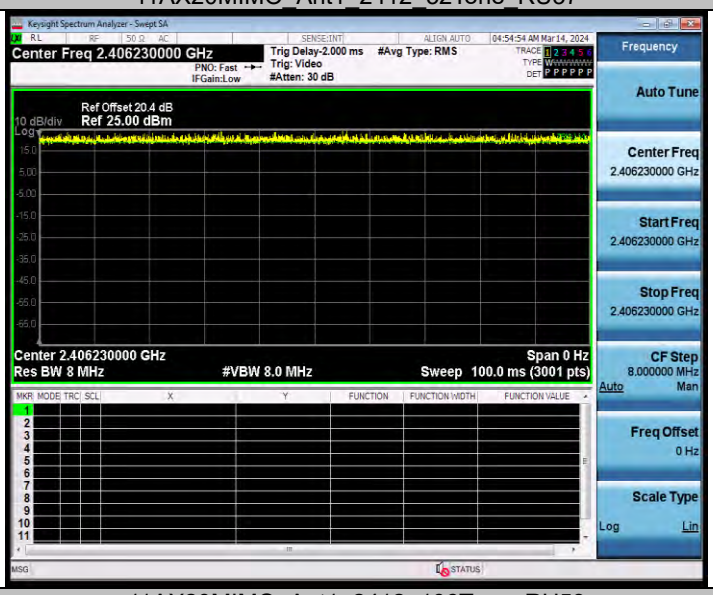

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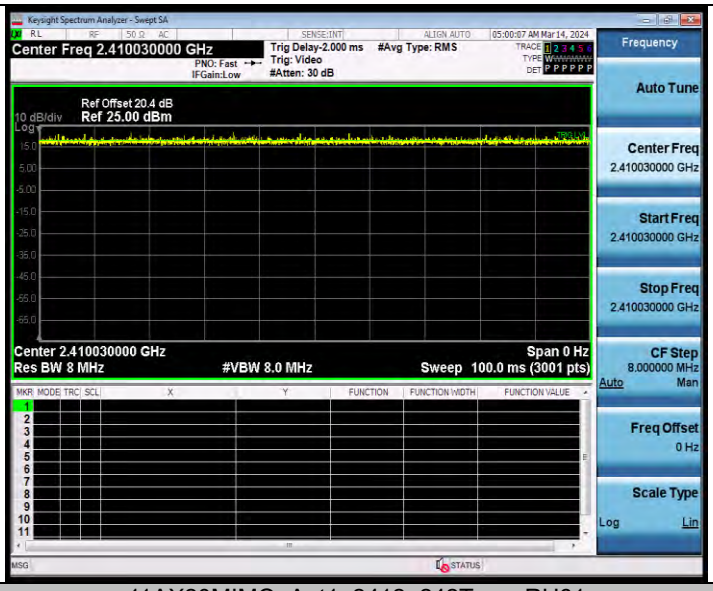

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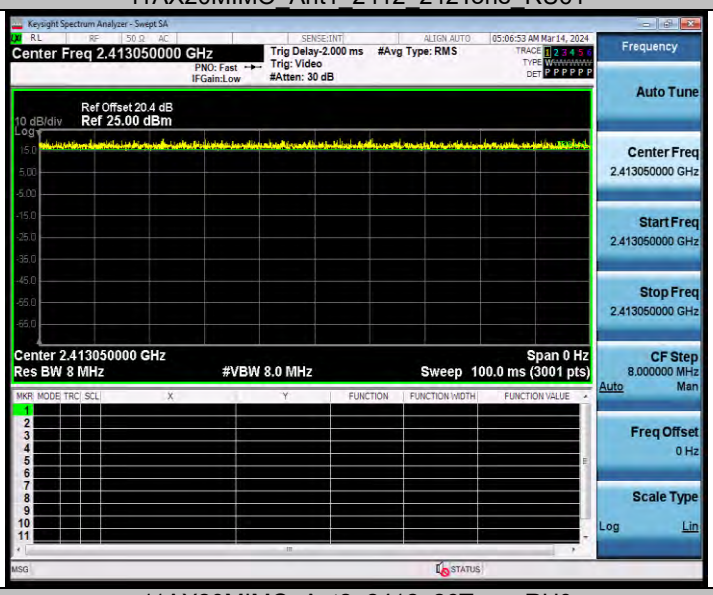

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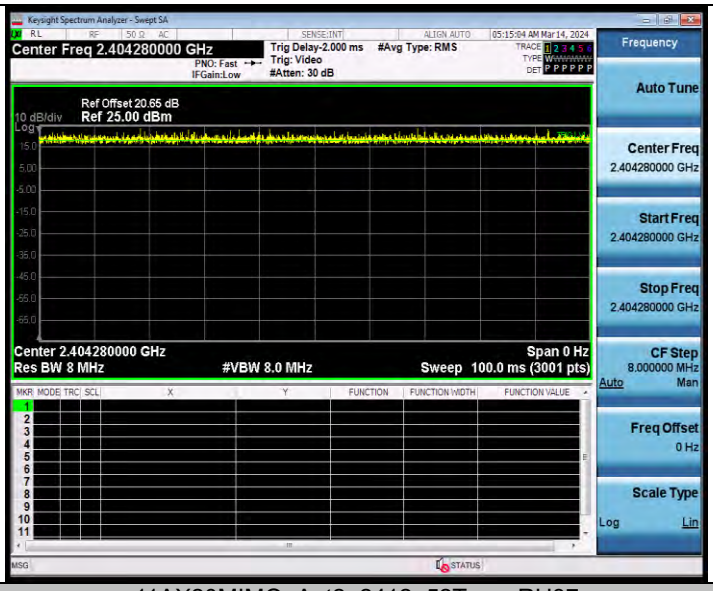

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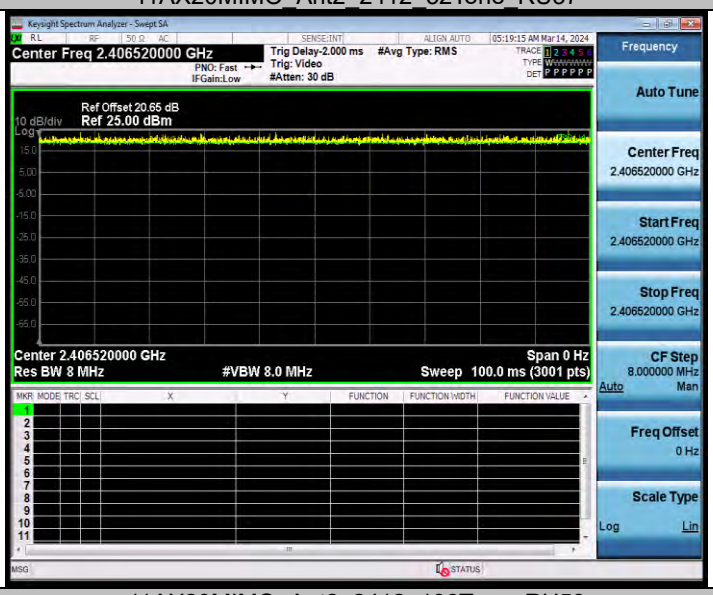

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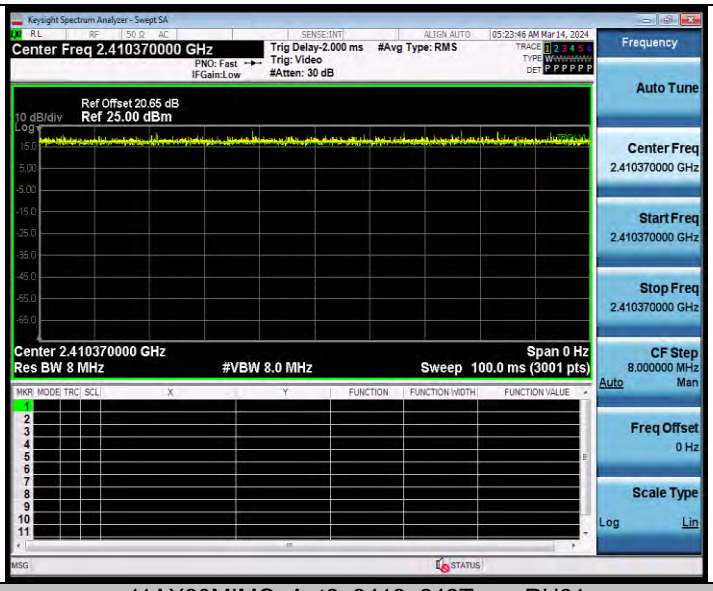

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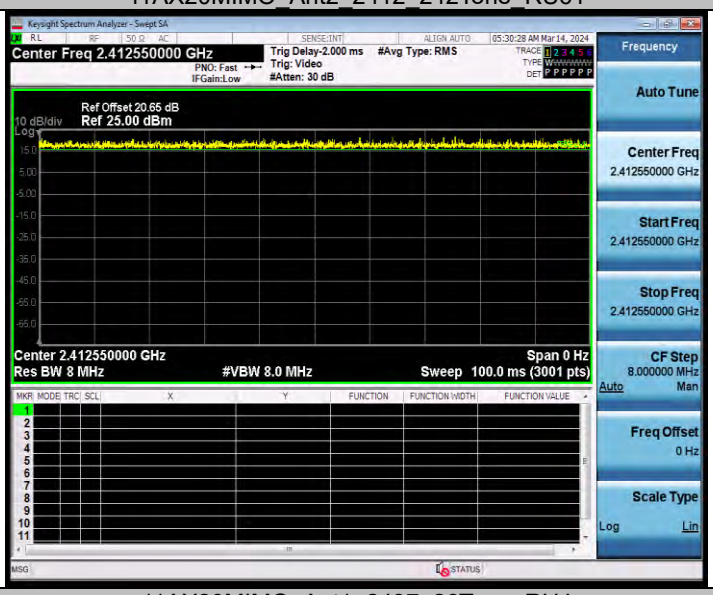

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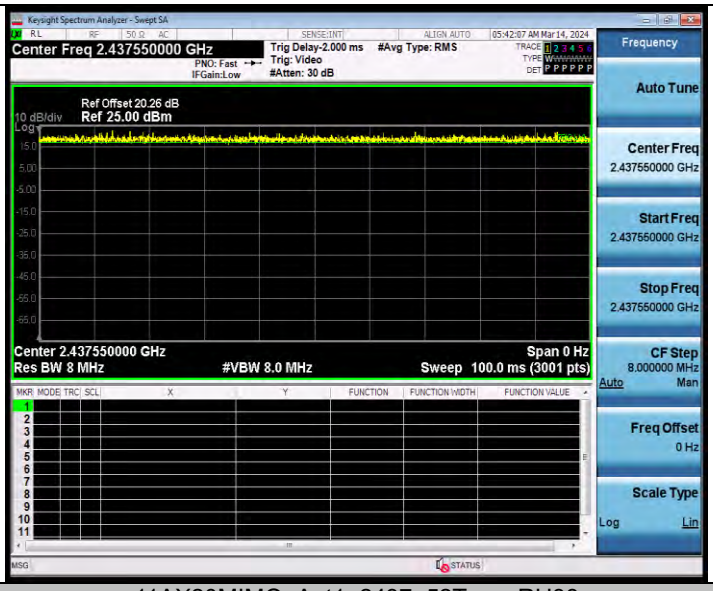

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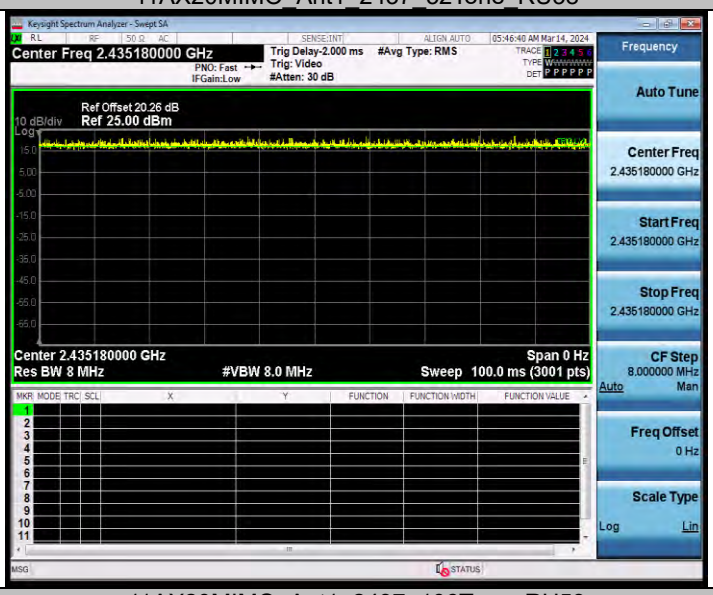

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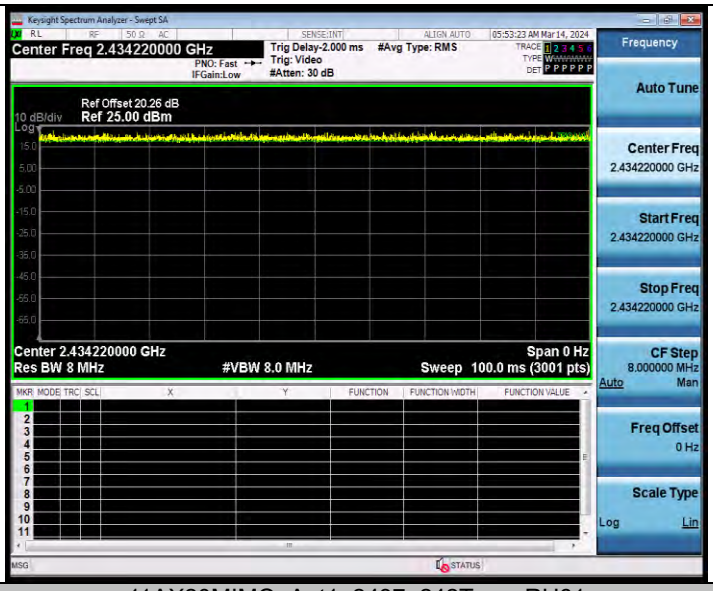
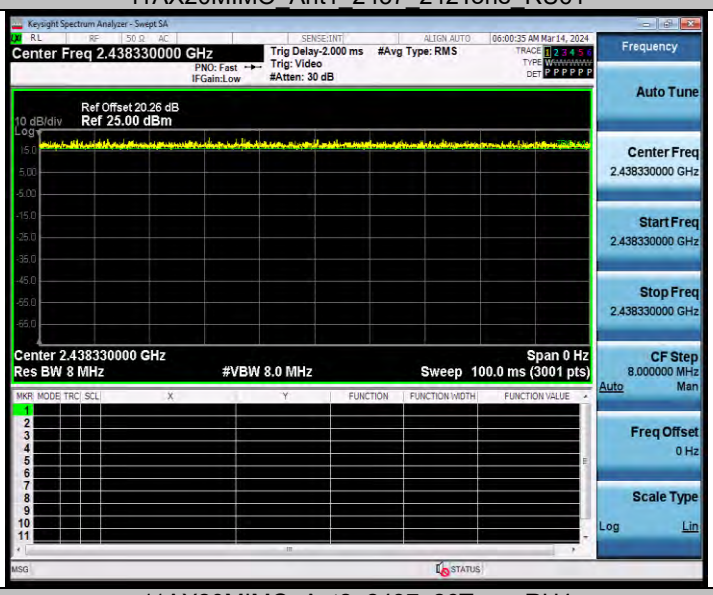
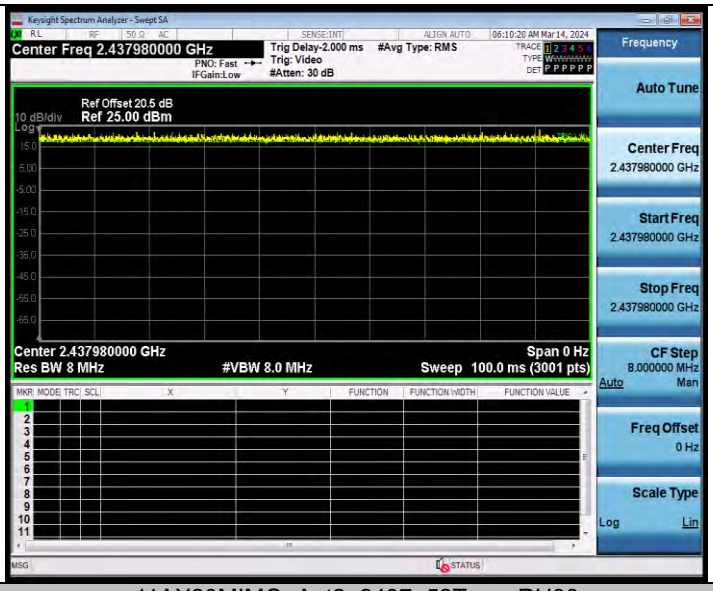


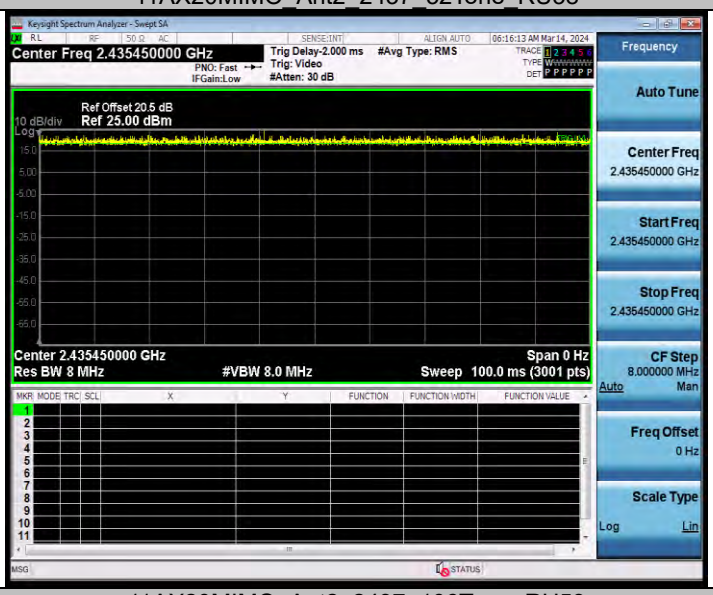
11AX20MIMO_Ant1_2437_242Tone_RU61



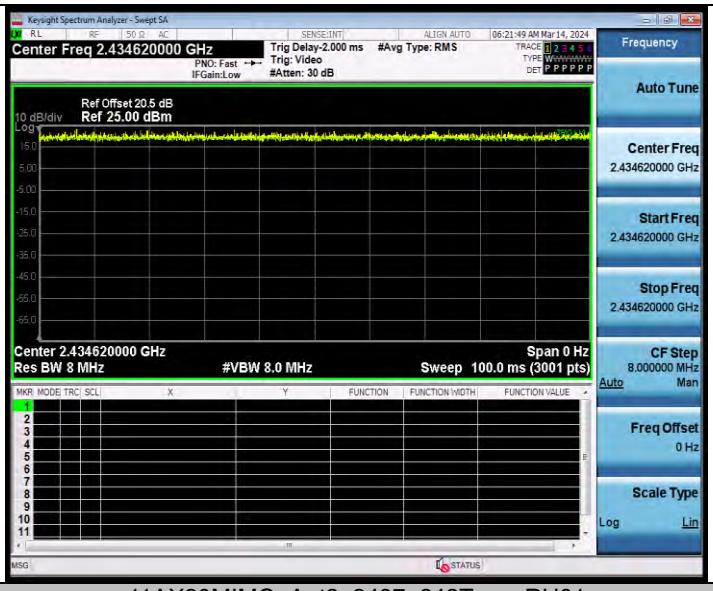
11AX20MIMO_Ant2_2437_26Tone_RU4



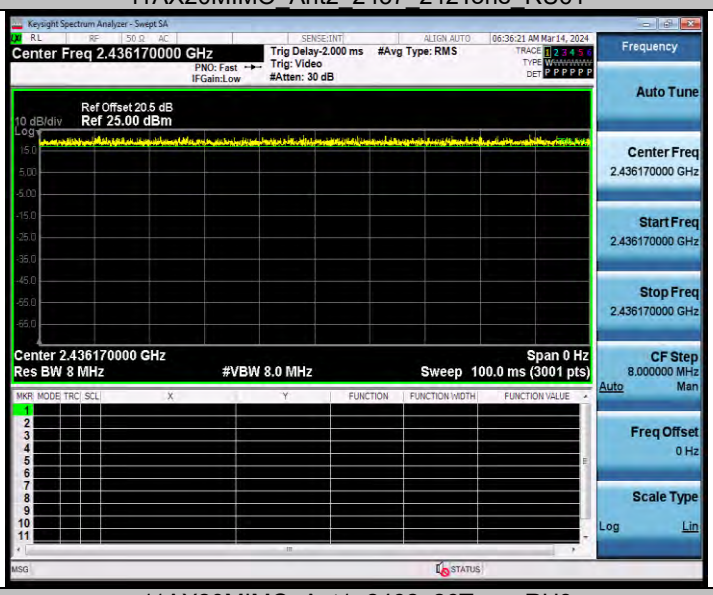
11AX20MIMO_Ant2_2437_52Tone_RU38



11AX20MIMO_Ant2_2437_106Tone_RU53



11AX20MIMO_Ant2_2437_242Tone_RU61



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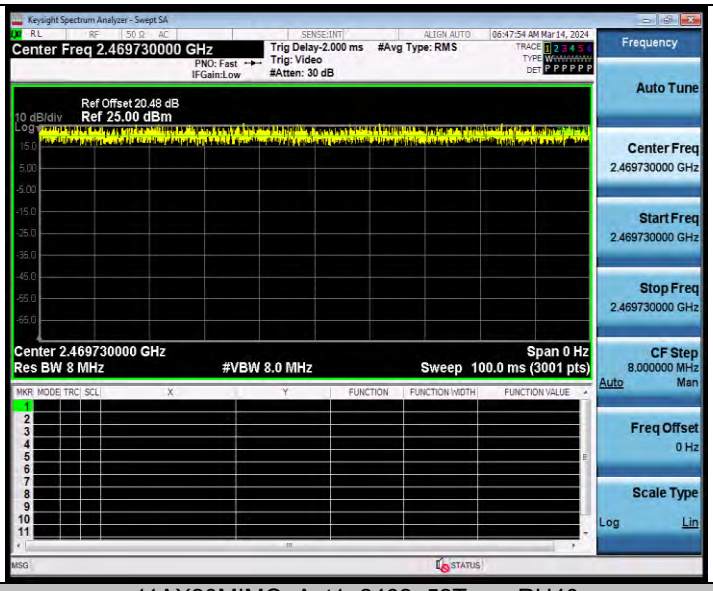

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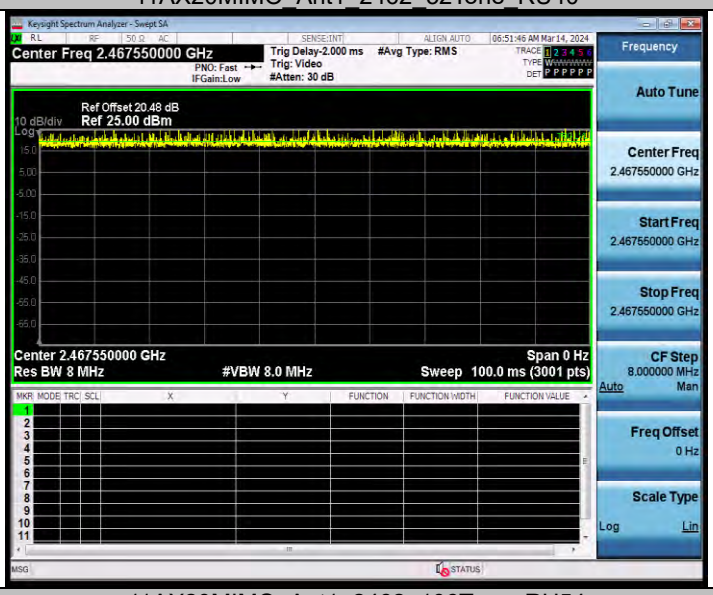
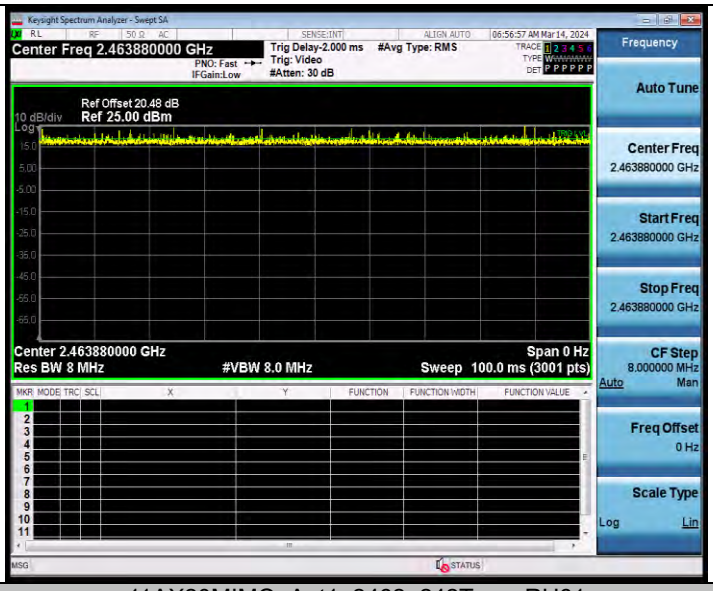
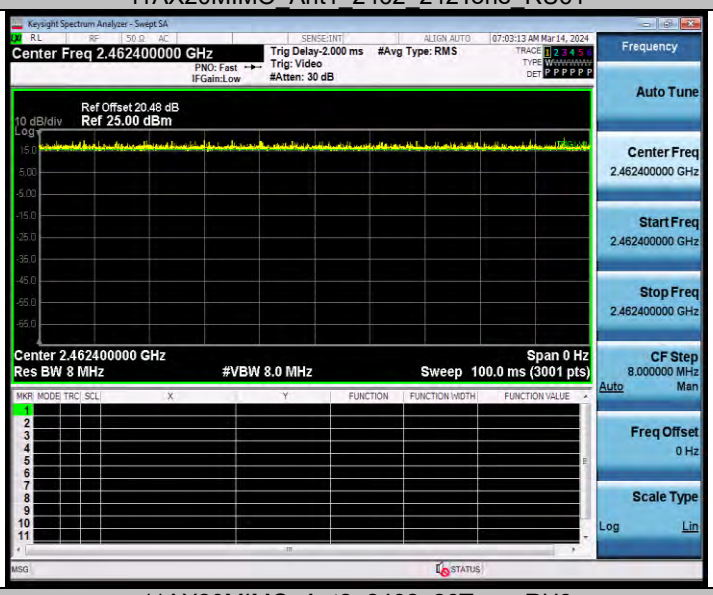


11AX20MIMO_Ant1_2462_106Tone_RU54



11AX20MIMO_Ant1_2462_242Tone_RU61



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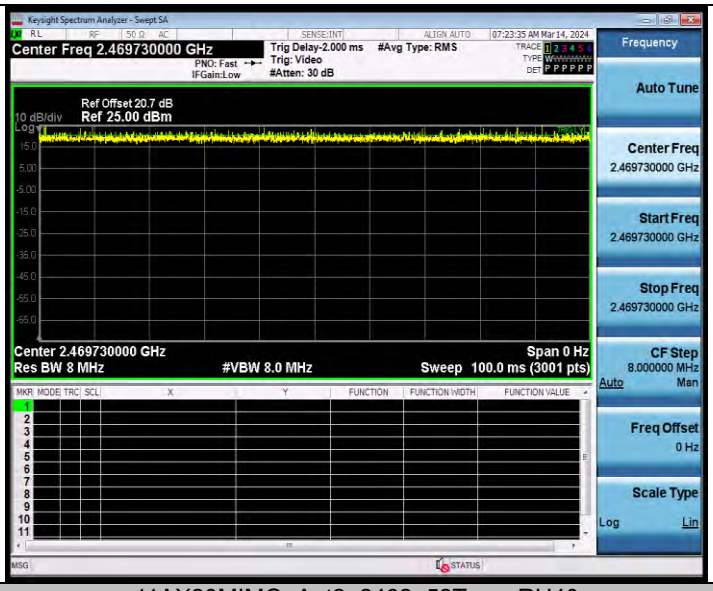

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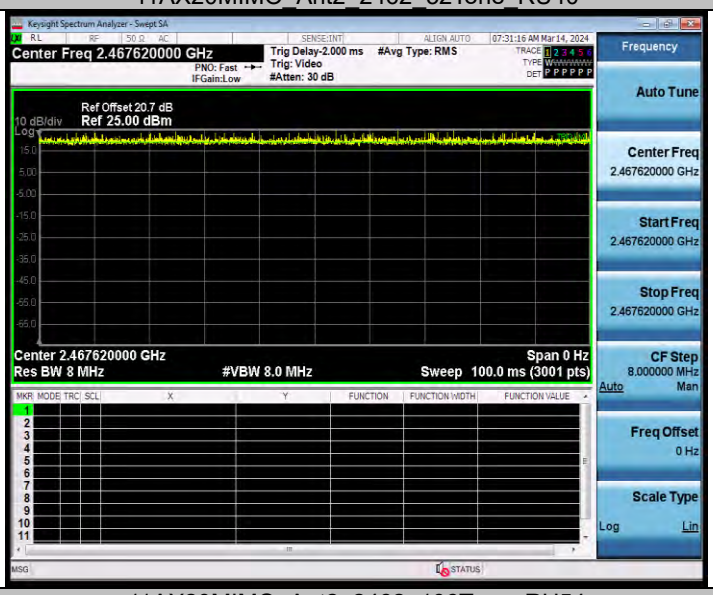

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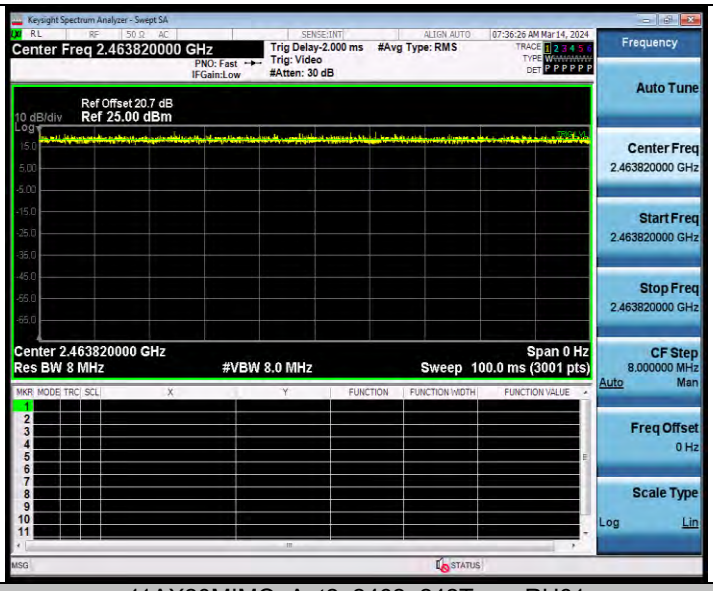
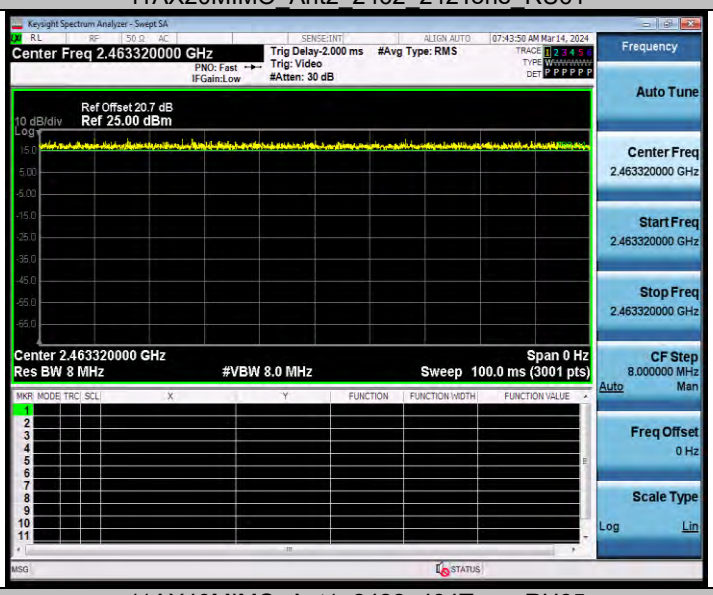


11AX20MIMO_Ant2_2462_242Tone_RU61



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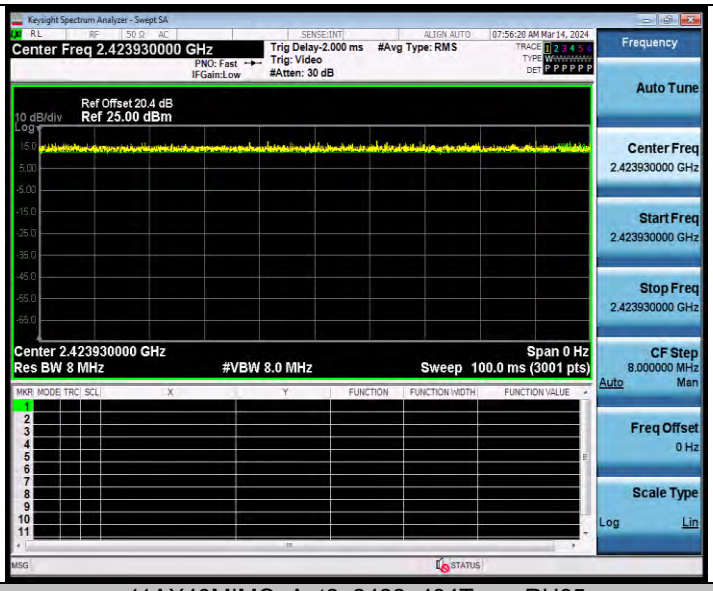
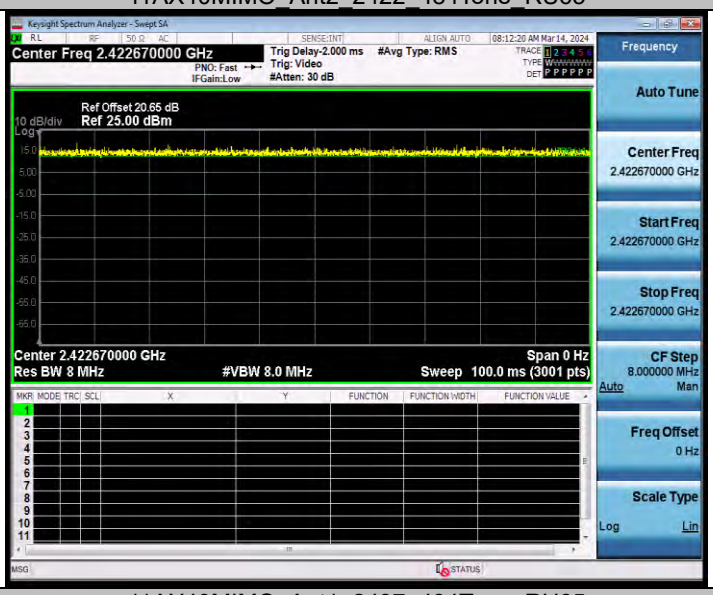
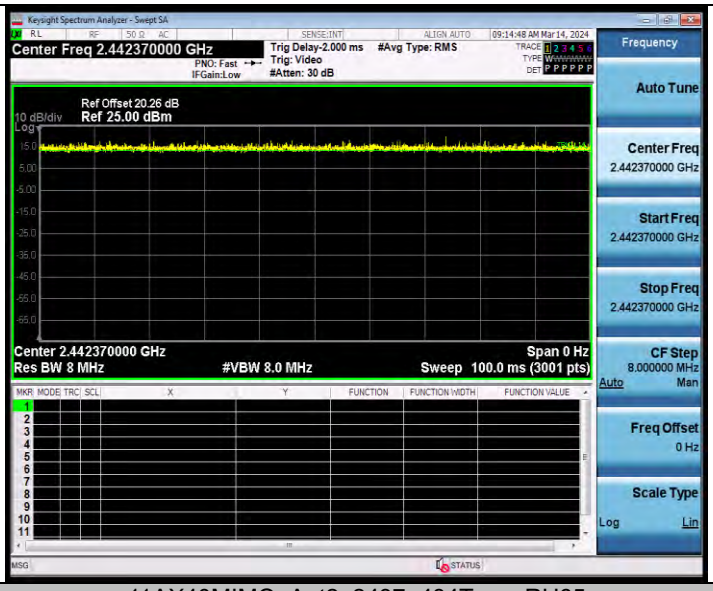


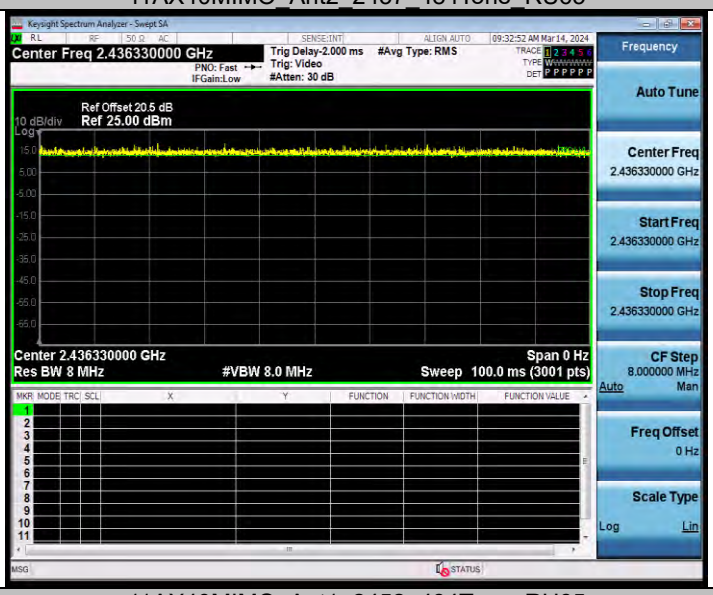
11AX40MIMO_Ant2_2422_484Tone_RU65



11AX40MIMO_Ant1_2437_484Tone_RU65



11AX40MIMO_Ant2_2437_484Tone_RU65



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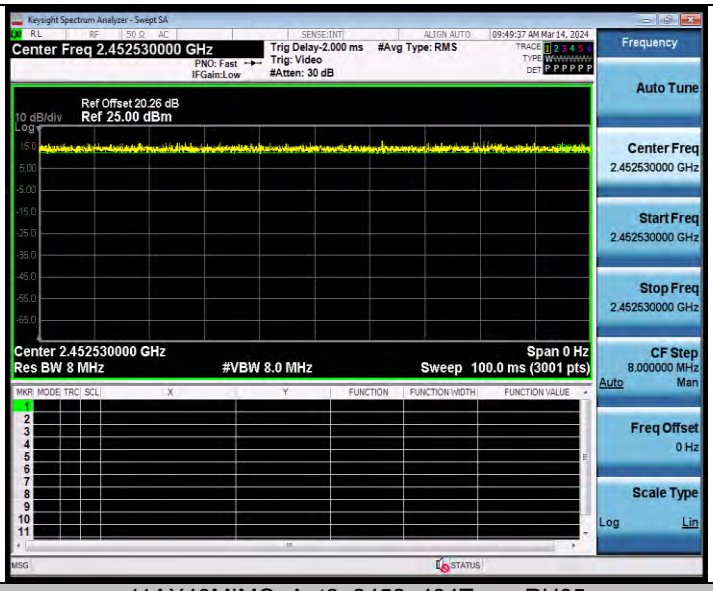

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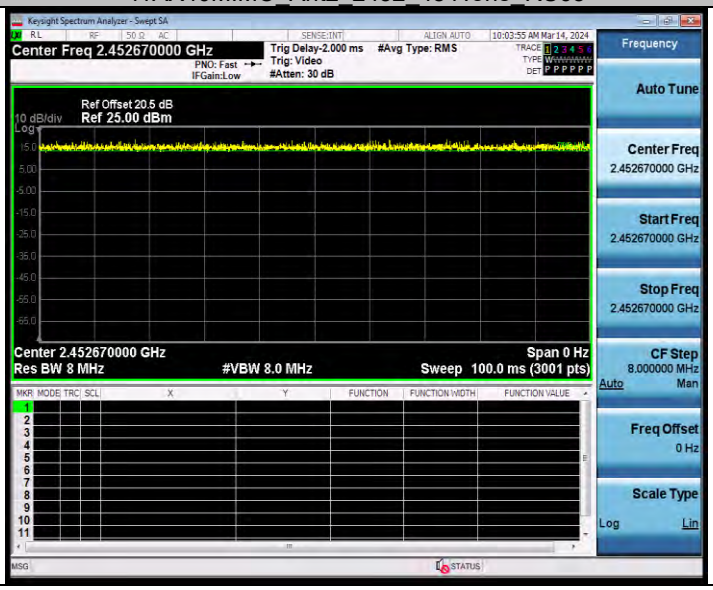


APPENDIX 3: BLE

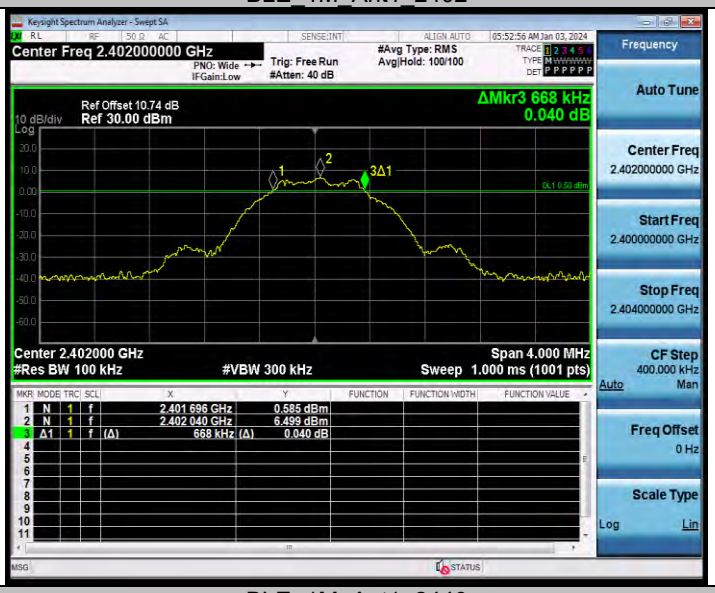
DTS BANDWIDTH

TEST RESULT

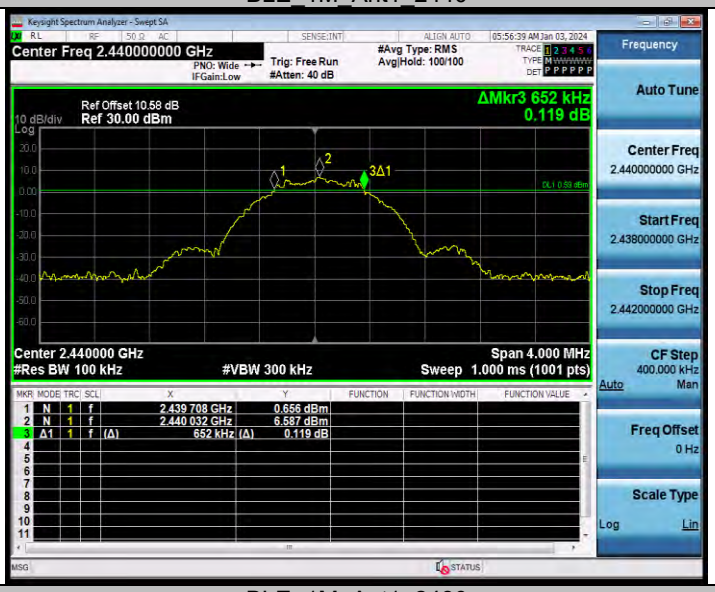
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.668	2401.696	2402.364	0.5	PASS
		2440	0.652	2439.708	2440.360	0.5	PASS
		2480	0.652	2479.708	2480.360	0.5	PASS
BLE_2M	Ant1	2404	1.180	2403.448	2404.628	0.5	PASS
		2440	0.956	2439.480	2440.436	0.5	PASS
		2478	1.088	2477.520	2478.608	0.5	PASS

TEST GRAPHS

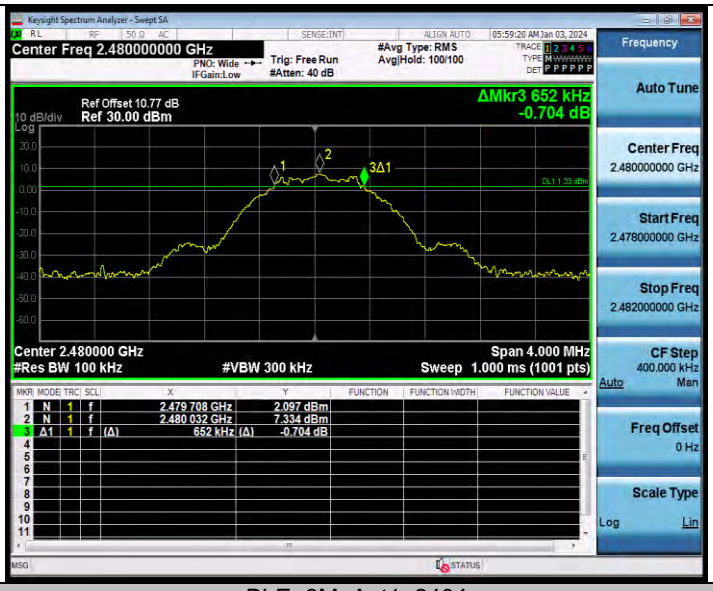
BLE_1M_Ant1_2402



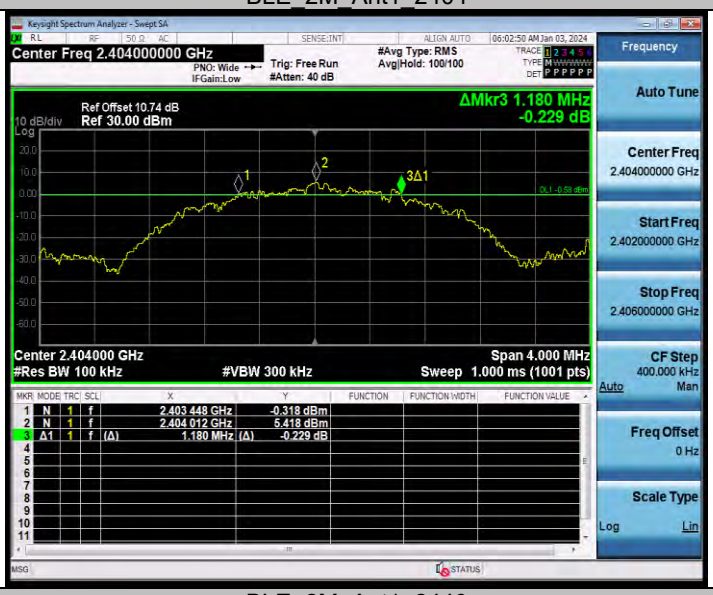
BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

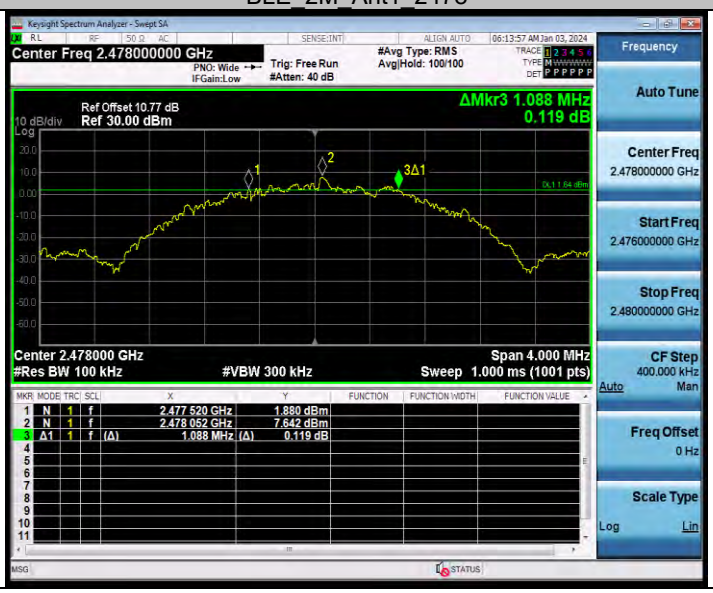


BLE_2M_Ant1_2404



BLE_2M_Ant1_2440

BLE_2M_Ant1_2478



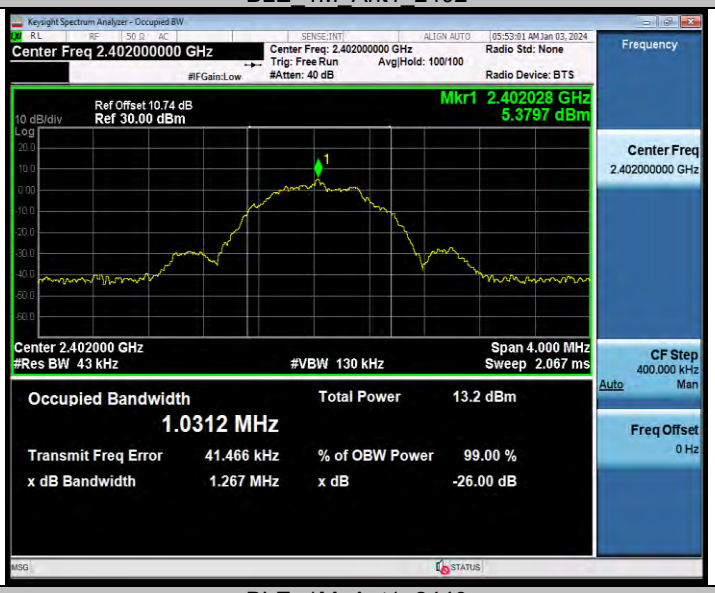
OCCUPIED CHANNEL BANDWIDTH

TEST RESULT

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0312	2401.5259	2402.5571	---	---
		2440	1.0408	2439.5175	2440.5583	---	---
		2480	1.0330	2479.5247	2480.5577	---	---
BLE_2M	Ant1	2404	2.0724	2403.0235	2405.0959	---	---
		2440	2.0642	2439.0348	2441.0990	---	---
		2478	2.0533	2477.0381	2479.0914	---	---

TEST GRAPHS

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440

BLE_1M_Ant1_2480

BLE_2M_Ant1_2404

BLE_2M_Ant1_2440

BLE_2M_Ant1_2478

MAXIMUM CONDUCTED OUTPUT POWER

TEST RESULT

TestMode	Antenna	Channel	Average power [dBm]	Peak power [dBm]	Peak power [mw]	Conducted Limit [dBm]	EIRP [dBm]	EIRP [mw]	EIRP Limit [dBm]	Verdict	Power Setting
BLE_1M	Ant1	2402	5.55	5.65	3.67	≤30	8.15	6.53	≤36	PASS	Defult
		2440	5.35	5.45	3.51	≤30	7.95	6.24	≤36	PASS	Defult
		2480	5.37	5.48	3.53	≤30	7.98	6.28	≤36	PASS	Defult
BLE_2M	Ant1	2404	5.17	5.43	3.49	≤30	7.93	6.21	≤36	PASS	Defult
		2440	5.34	5.42	3.48	≤30	7.92	6.19	≤36	PASS	Defult
		2478	5.6	5.64	3.66	≤30	8.14	6.52	≤36	PASS	Defult
Note:EIRP=Peak Power+Gain											

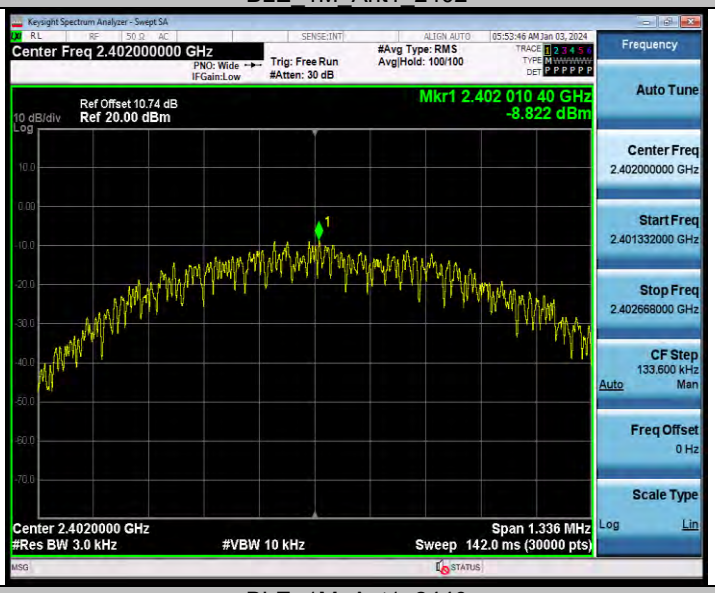
MAXIMUM POWER SPECTRAL DENSITY

TEST RESULT

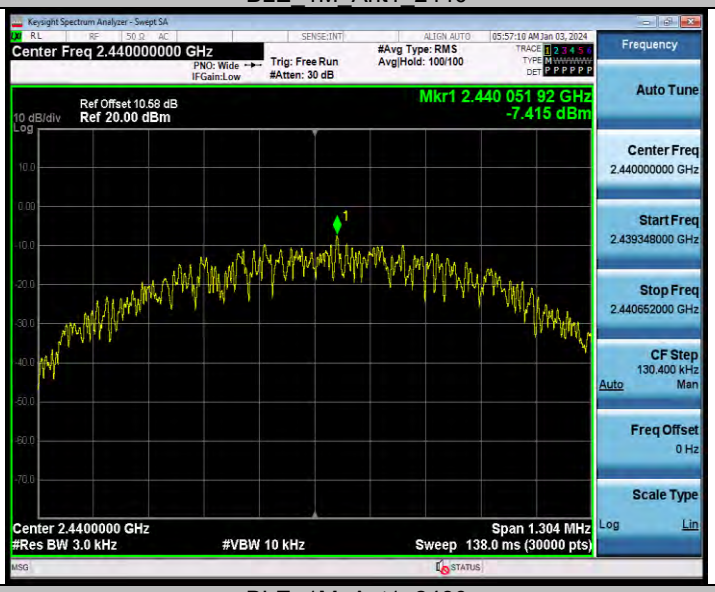
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-8.82	≤8.00	PASS
		2440	-7.42	≤8.00	PASS
		2480	-8.17	≤8.00	PASS
BLE_2M	Ant1	2404	-11.31	≤8.00	PASS
		2440	-10.98	≤8.00	PASS
		2478	-10.37	≤8.00	PASS

TEST GRAPHS

BLE_1M_Ant1_2402

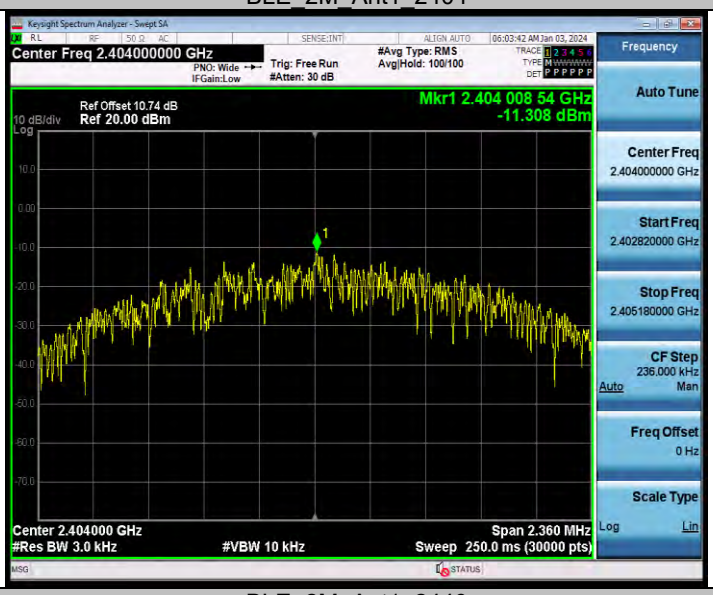


BLE_1M_Ant1_2440

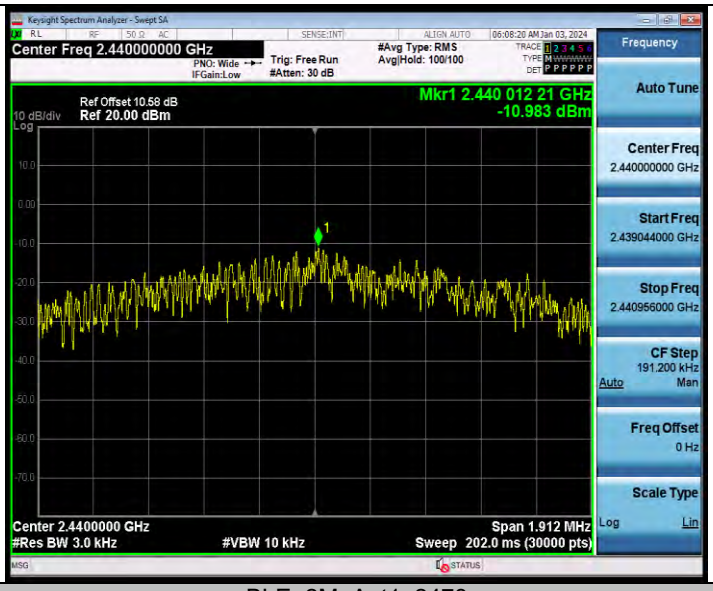


BLE_1M_Ant1_2480

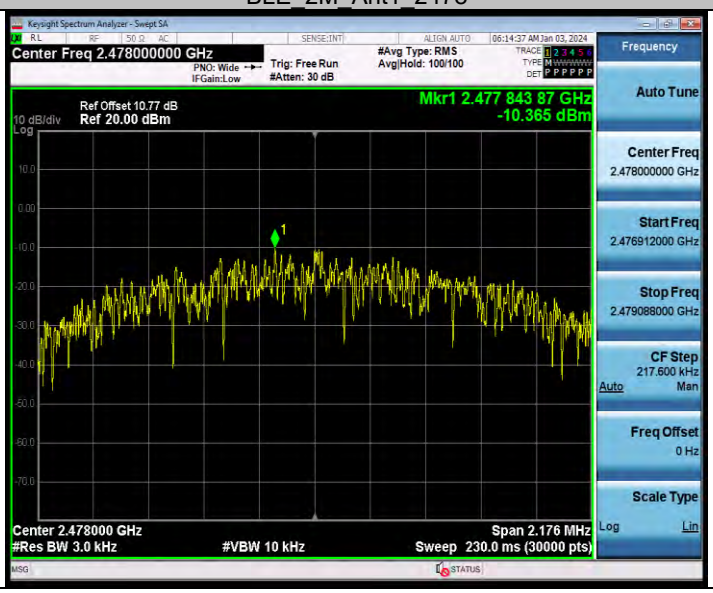
BLE_2M_Ant1_2404



BLE_2M_Ant1_2440



BLE_2M_Ant1_2478



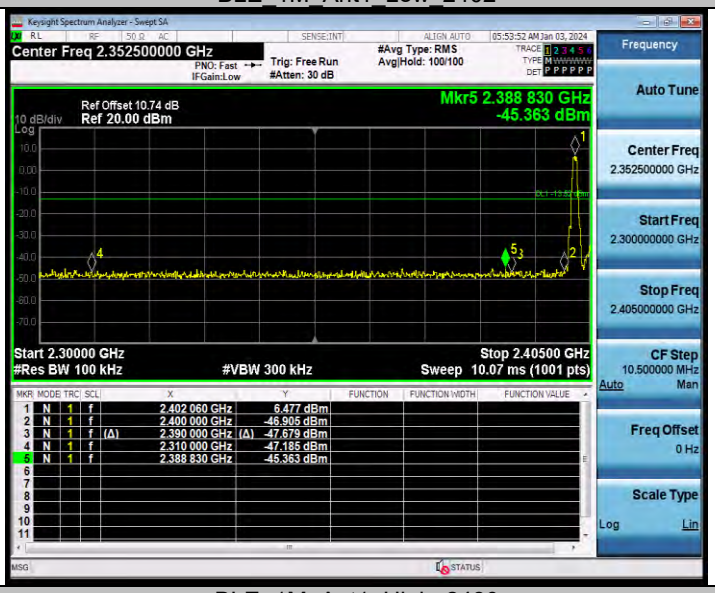
BAND EDGE MEASUREMENTS

TEST RESULT

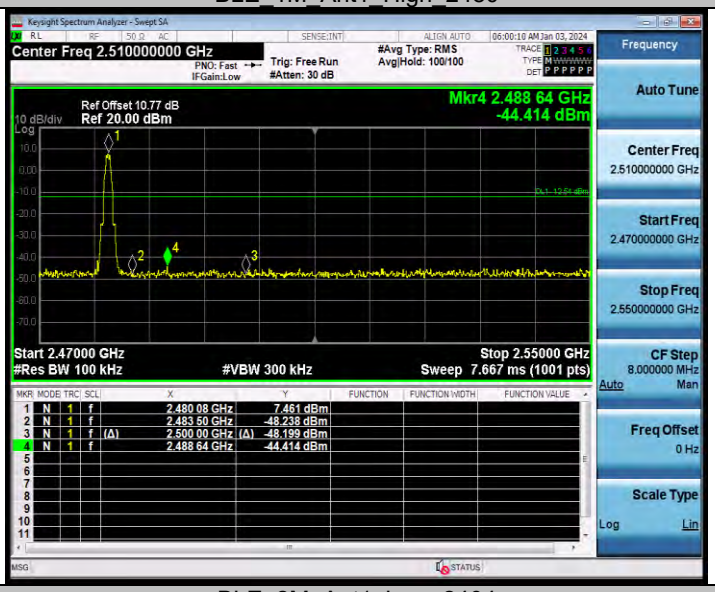
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	6.48	-45.36	≤-13.52	PASS
		High	2480	7.46	-44.41	≤-12.54	PASS
BLE_2M	Ant1	Low	2404	6.66	-44.93	≤-13.34	PASS
		High	2478	7.86	-45.02	≤-12.14	PASS

TEST GRAPHS

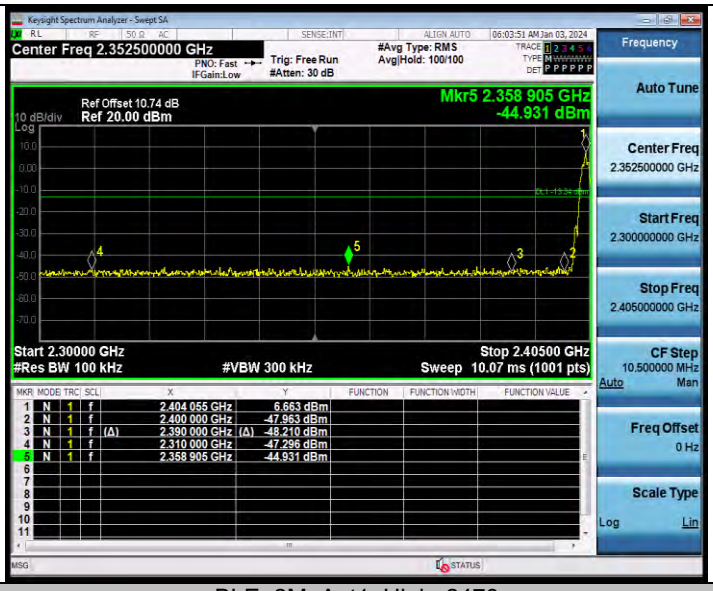
BLE_1M_Ant1_Low_2402



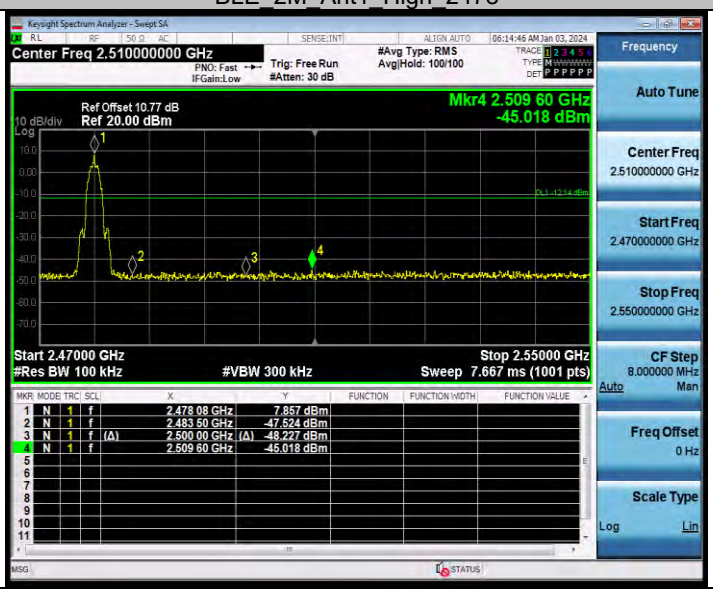
BLE_1M_Ant1_High_2480



BLE_2M_Ant1_Low_2404



BLE_2M_Ant1_High_2478



CONDUCTED SPURIOUS EMISSION

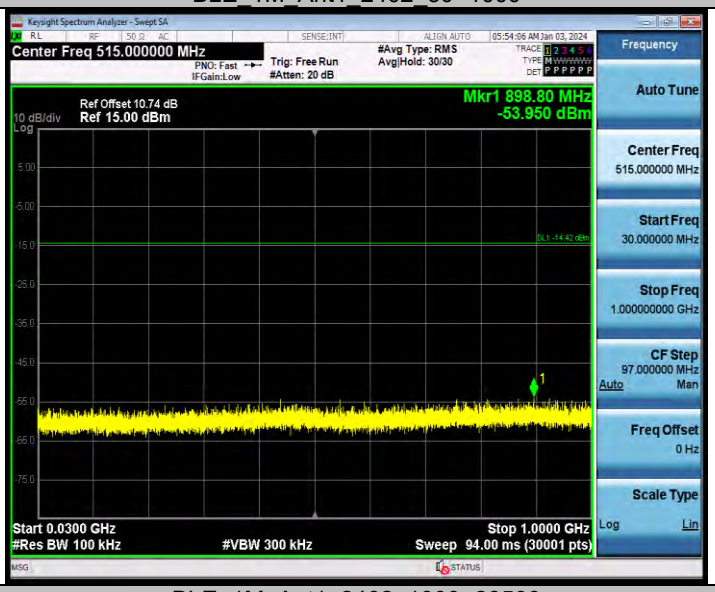
TEST RESULT

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	5.58	5.58	---	PASS
			30~1000	5.58	-53.95	≤-14.42	PASS
			1000~26500	5.58	-27.53	≤-14.42	PASS
		2440	Reference	6.59	6.59	---	PASS
			30~1000	6.59	-54.53	≤-13.41	PASS
			1000~26500	6.59	-27.77	≤-13.41	PASS
		2480	Reference	7.21	7.21	---	PASS
			30~1000	7.21	-54	≤-12.79	PASS
			1000~26500	7.21	-27.92	≤-12.79	PASS
BLE_2M	Ant1	2404	Reference	5.60	5.60	---	PASS
			30~1000	5.60	-53.91	≤-14.4	PASS
			1000~26500	5.60	-28.7	≤-14.4	PASS
		2440	Reference	2.79	2.79	---	PASS
			30~1000	2.79	-53.84	≤-17.21	PASS
			1000~26500	2.79	-28.87	≤-17.21	PASS
		2478	Reference	6.03	6.03	---	PASS
			30~1000	6.03	-53.61	≤-13.97	PASS
			1000~26500	6.03	-34.85	≤-13.97	PASS

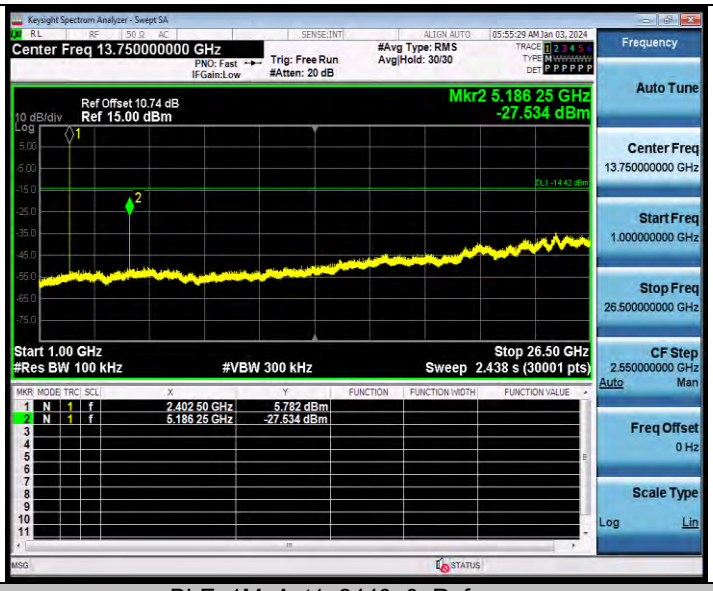
TEST GRAPHS

BLE_1M_Ant1_2402_0~Reference

BLE_1M_Ant1_2402_30~1000

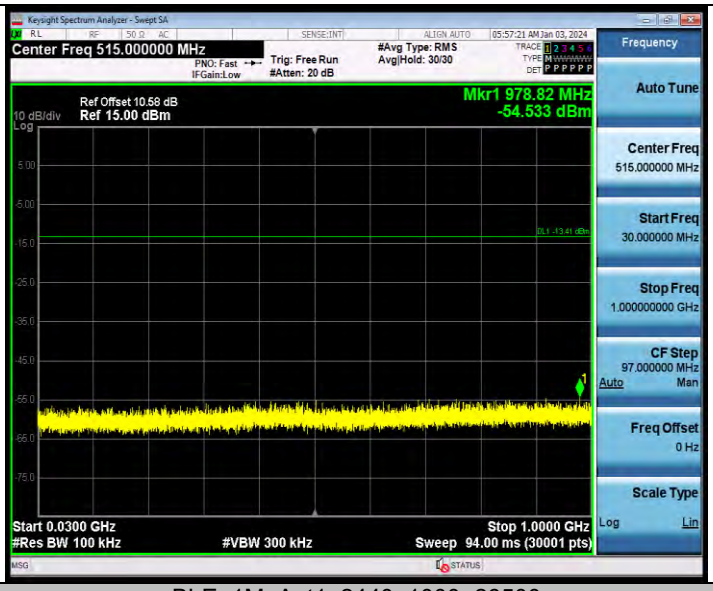


BLE_1M_Ant1_2402_1000~26500

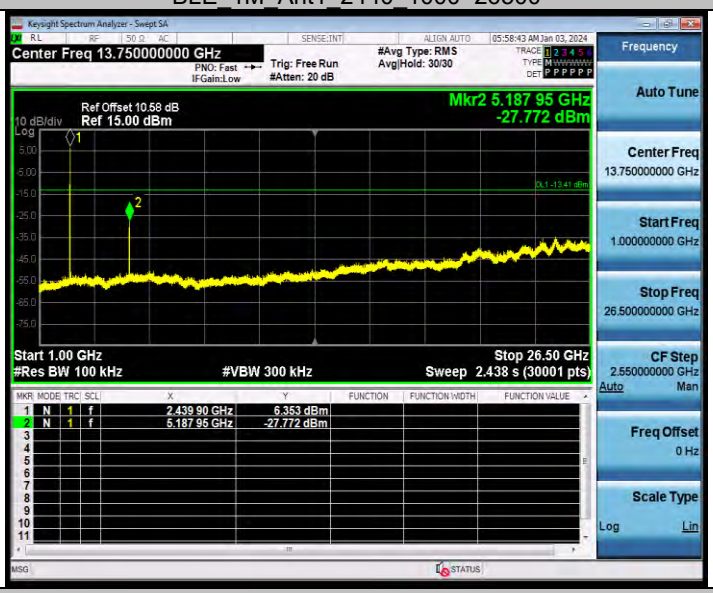


BLE_1M_Ant1_2440_0~Reference

BLE_1M_Ant1_2440_30~1000

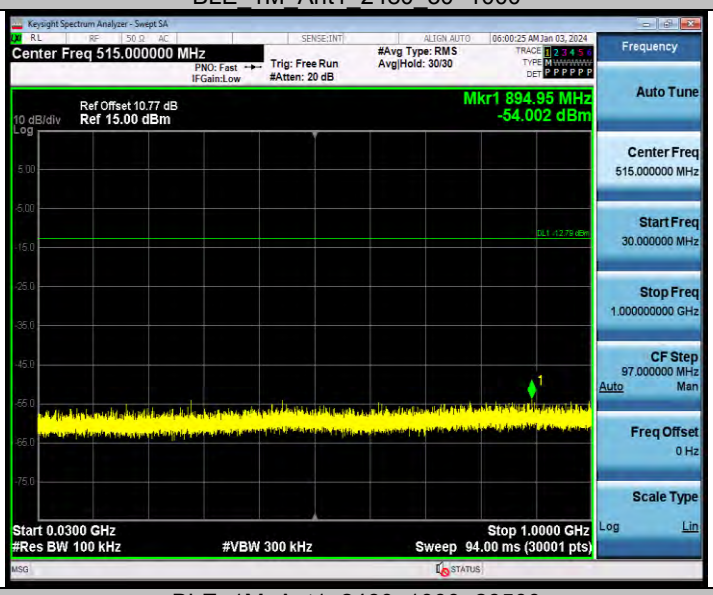


BLE_1M_Ant1_2440_1000~26500

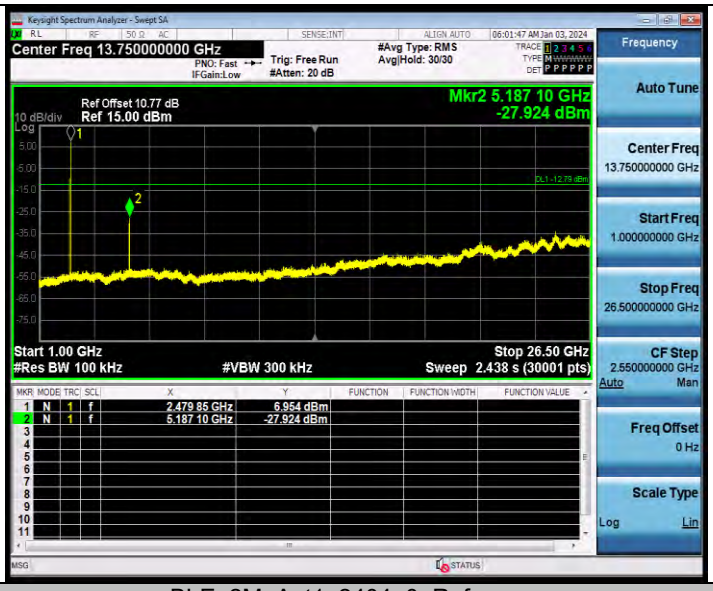


BLE_1M_Ant1_2480_0~Reference

BLE_1M_Ant1_2480_30~1000



BLE_1M_Ant1_2480_1000~26500



BLE_2M_Ant1_2404_0~Reference

BLE_2M_Ant1_2404_30~1000