



Test Report No.: W7L-P22110033RF02

MAXIMUM CONDUCTED OUTPUT POWER

TEST RESULT

TestMode	Antenna	Channel	Average power [dBm]	Peak power [dBm]	Conducted Limit [dBm]	EIRP [dBm]	EIRP [mw]	EIRP Limit [dBm]	Verdict	Power Setting
BLE_1M	Ant1	2402	8.9	9.03	≤30	11.03	12.68	≤36	PASS	Default
		2440	8.76	8.9	≤30	10.9	12.30	≤36	PASS	Default
		2480	8.43	8.58	≤30	10.58	11.43	≤36	PASS	Default

Note:EIRP=Peak Power+Gain



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MAXIMUM POWER SPECTRAL DENSITY

TEST RESULT

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-4.42	≤8.00	PASS
		2440	-5.05	≤8.00	PASS
		2480	-4.79	≤8.00	PASS

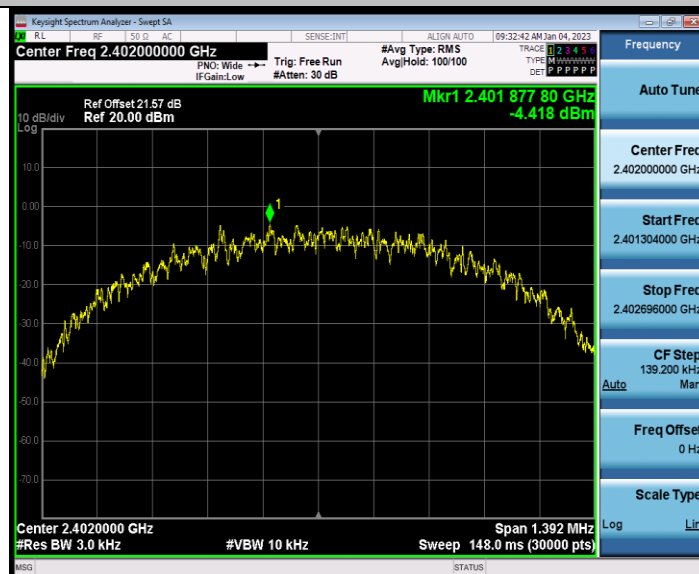


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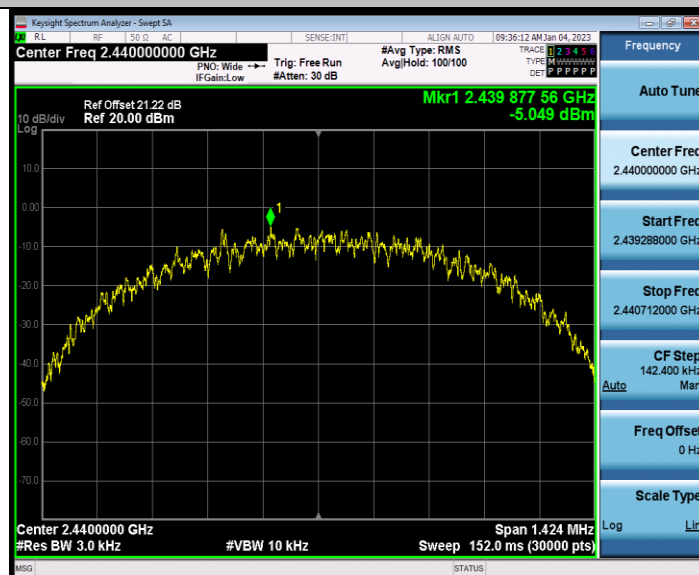
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TEST GRAPHS

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440

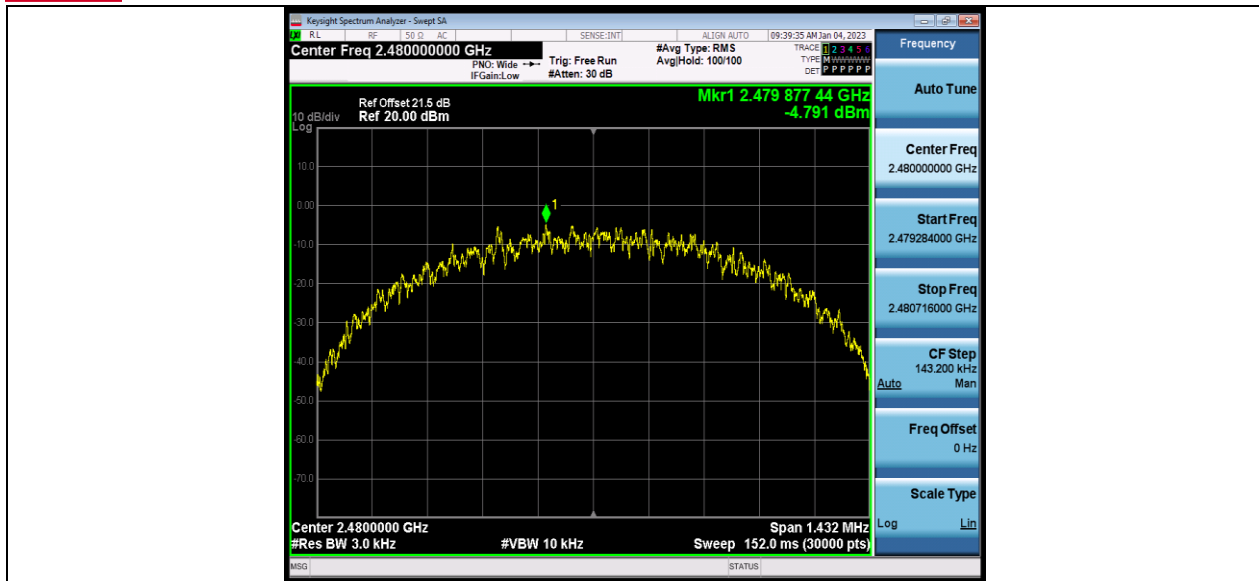


BLE_1M_Ant1_2480



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BAND EDGE MEASUREMENTS

TEST RESULT

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	9.47	-34.93	≤-10.53	PASS
		High	2480	9.00	-34.14	≤-11	PASS

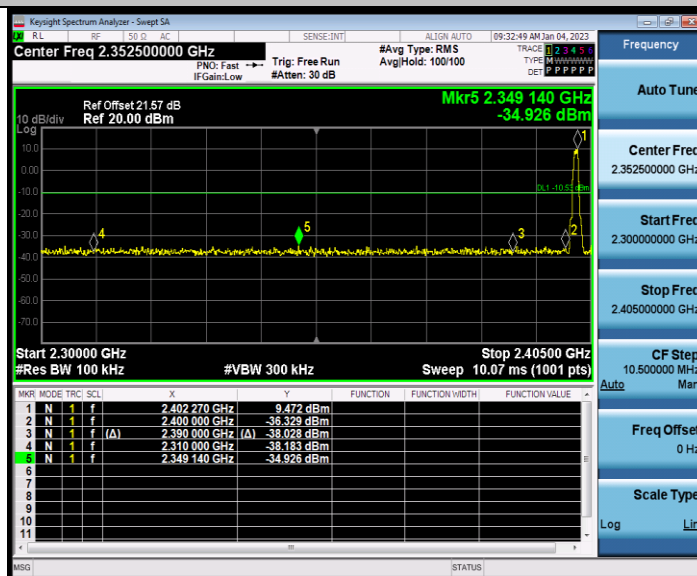


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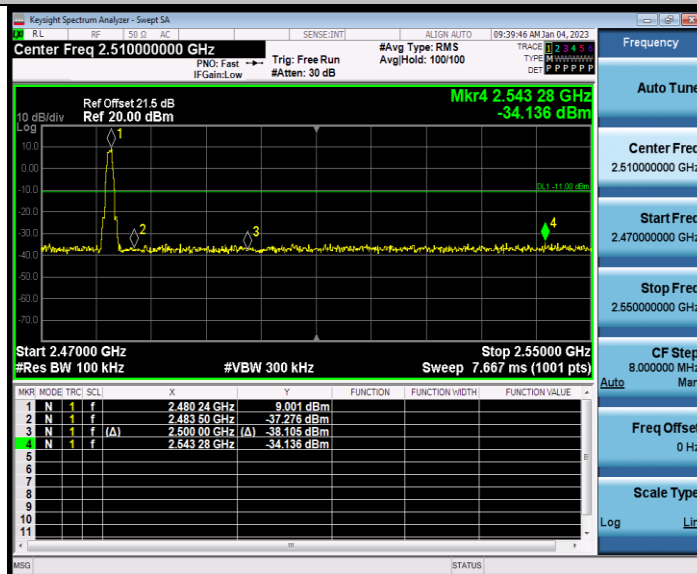
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TEST GRAPHS

BLE_1M_Ant1_Low_2402



BLE_1M_Ant1_High_2480



**CONDUCTED SPURIOUS EMISSION****TEST RESULT**

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	7.56	7.56	---	PASS
			30~1000	7.56	-43.42	≤-12.44	PASS
			1000~26500	7.56	-23.81	≤-12.44	PASS
		2440	Reference	6.73	6.73	---	PASS
			30~1000	6.73	-43.39	≤-13.27	PASS
			1000~26500	6.73	-24.56	≤-13.27	PASS
		2480	Reference	8.20	8.20	---	PASS
			30~1000	8.20	-42.86	≤-11.8	PASS
			1000~26500	8.20	-24.63	≤-11.8	PASS



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TEST GRAPHS

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000

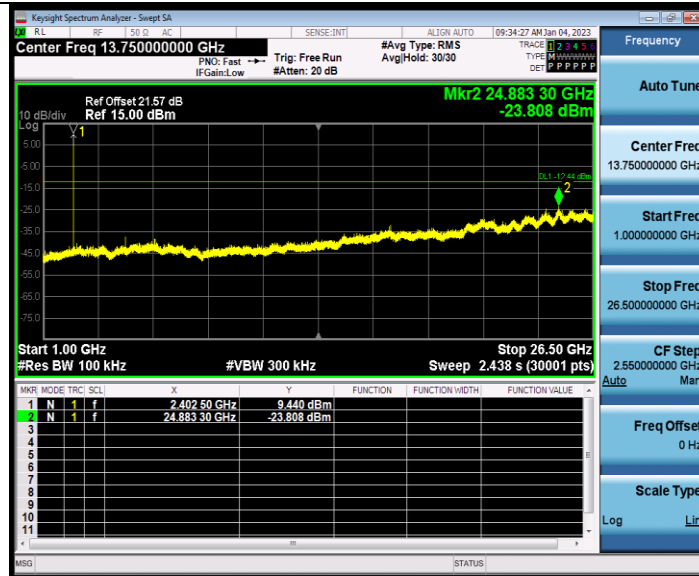


BLE_1M_Ant1_2402_1000~26500



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BLE_1M_Ant1_2440_0~Reference

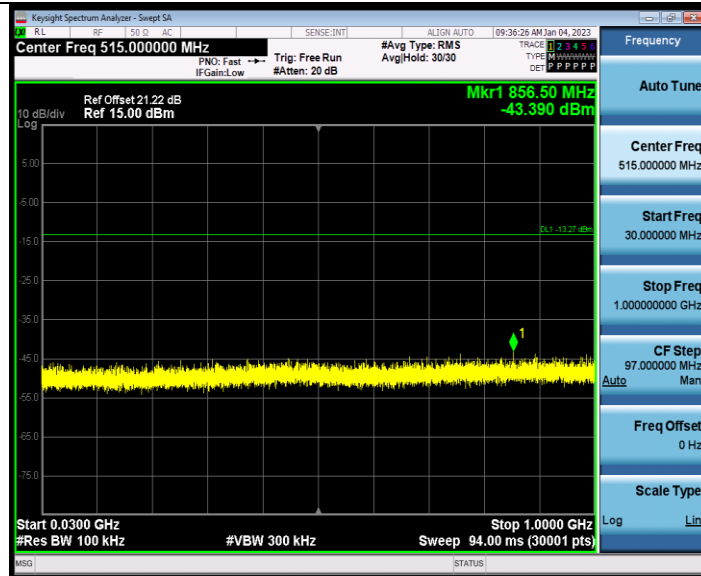


BLE_1M_Ant1_2440_30~1000



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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

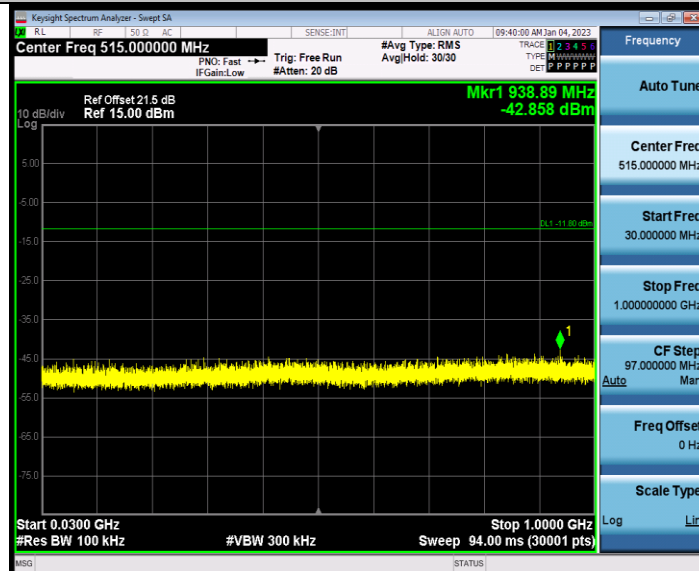


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BLE_1M_Ant1_2480_30~1000

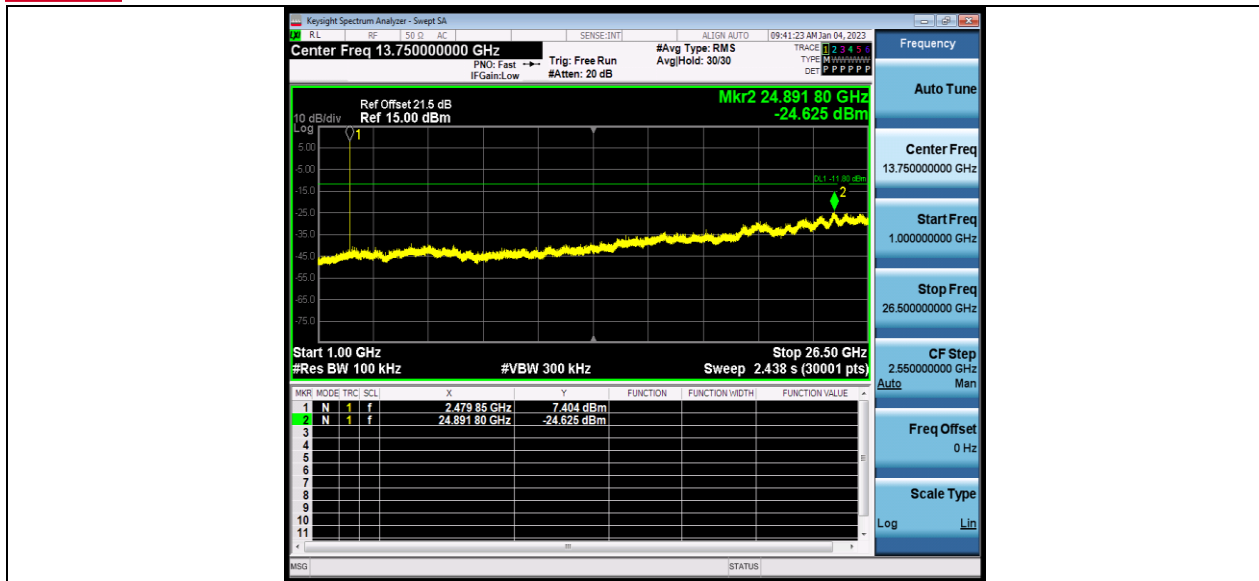


BLE_1M_Ant1_2480_1000~26500



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DUTY CYCLE

TEST RESULT

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.14	2.50	85.60	0.68
		2440	2.13	2.50	85.20	0.70
		2480	2.13	2.50	85.20	0.70

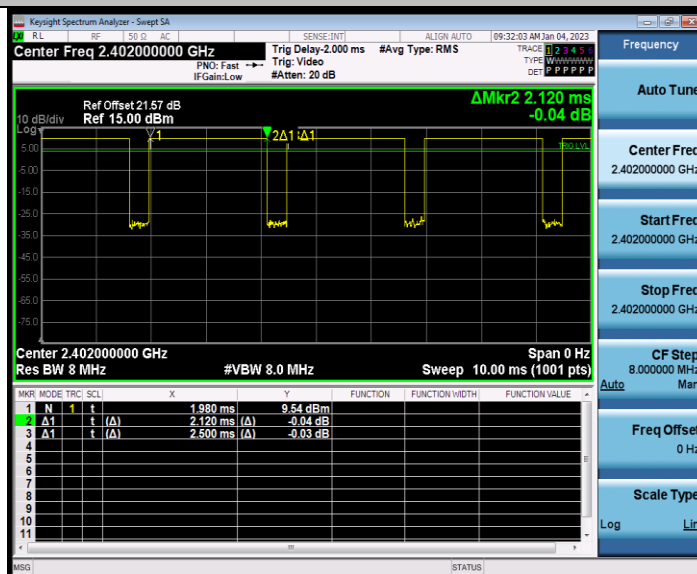


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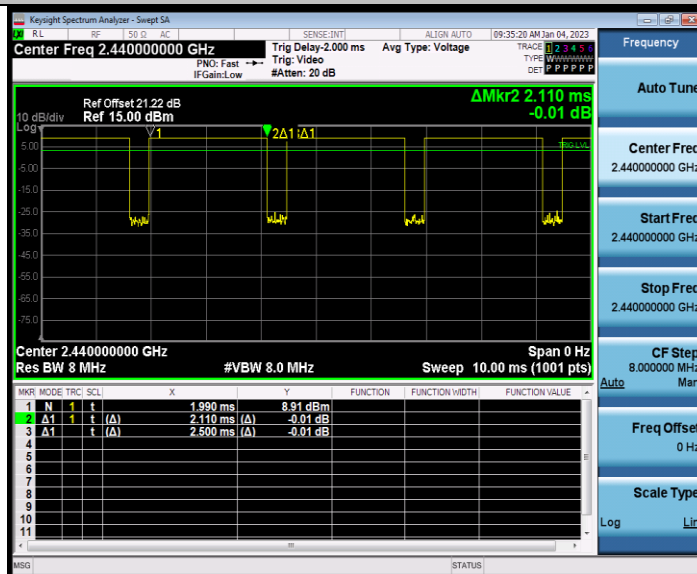
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TEST GRAPHS

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440

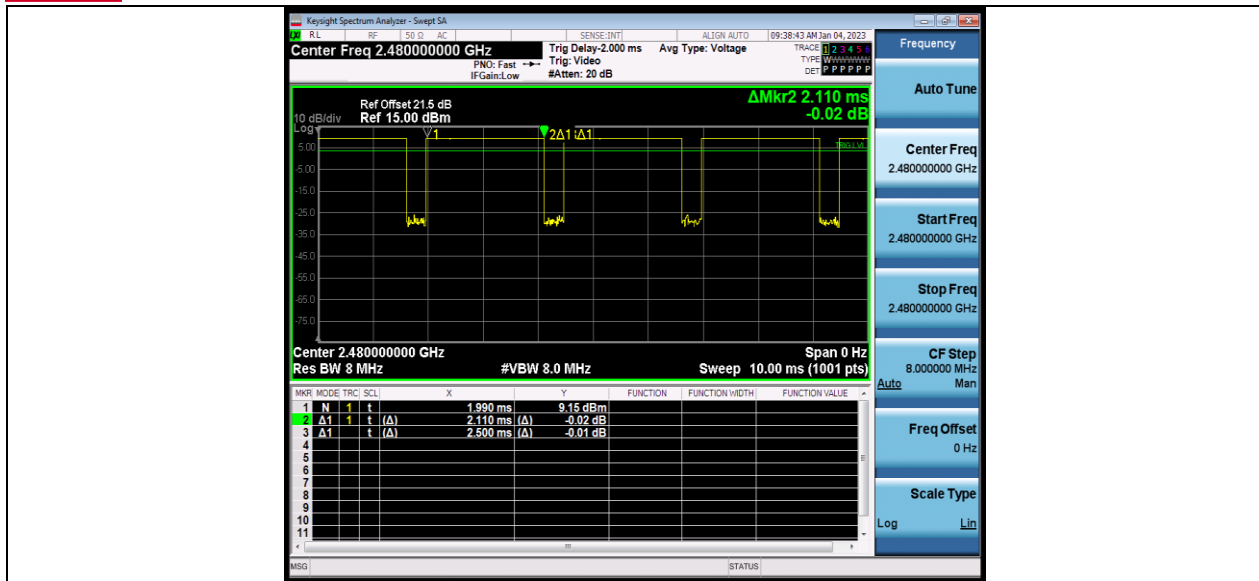


BLE_1M_Ant1_2480



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