

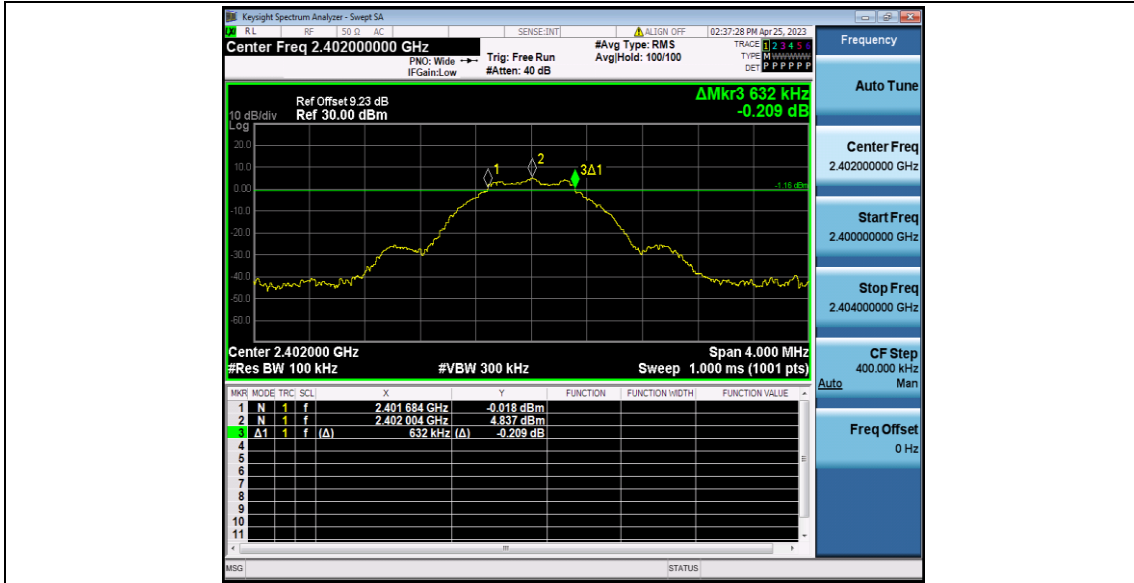
Case No. : <u>GTS20230321014-1-2</u>
Ambient Condition: <u>23</u> °C, <u>49</u> %RH, Atmos100.1Kpa,
Test Date: <u>2023.4.24</u> Test Engineer: <u>Jenny zeng</u>

Appendix B.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	0.632	2401.684	2402.316	0.5	PASS
		2440	0.712	2439.636	2440.348	0.5	PASS
		2480	0.640	2479.676	2480.316	0.5	PASS

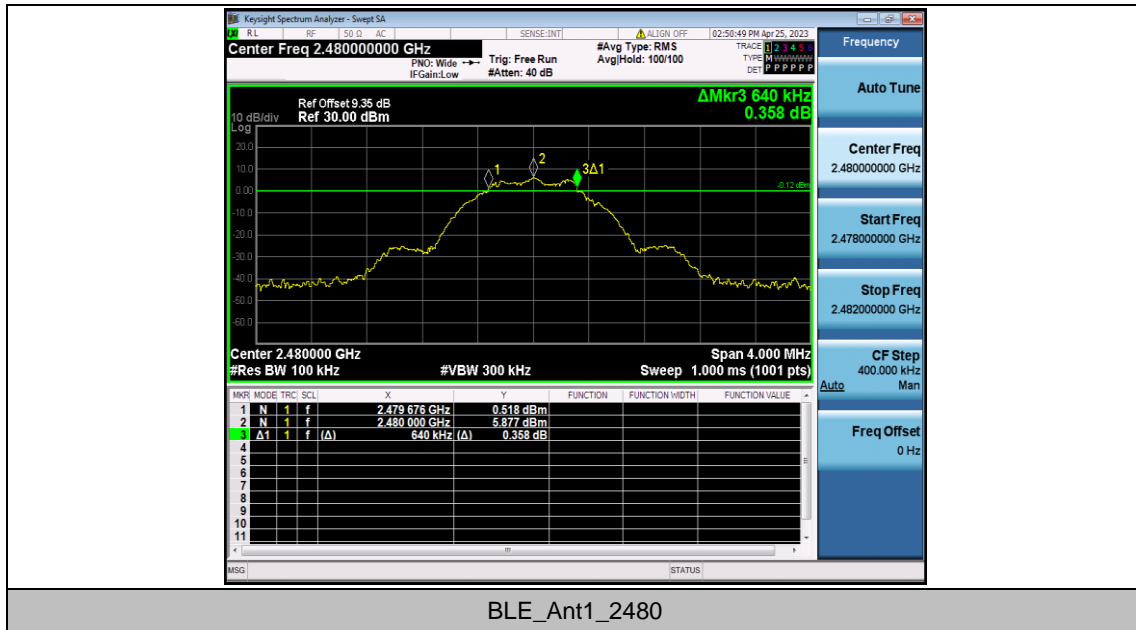
Test Graphs



BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480

Appendix B.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	1.0456	2401.486	2402.532	---	---
		2440	1.0415	2439.488	2440.529	---	---
		2480	1.0344	2479.487	2480.521	---	---

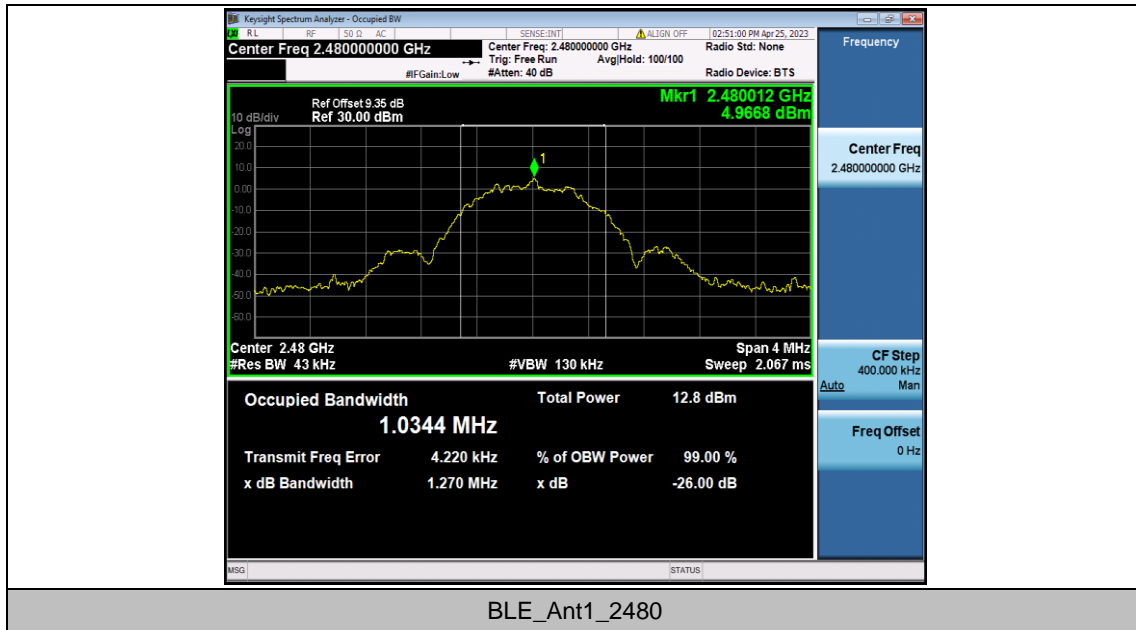
Test Graphs



BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480

Appendix B.3: Maximum conducted output power

Test Result Peak

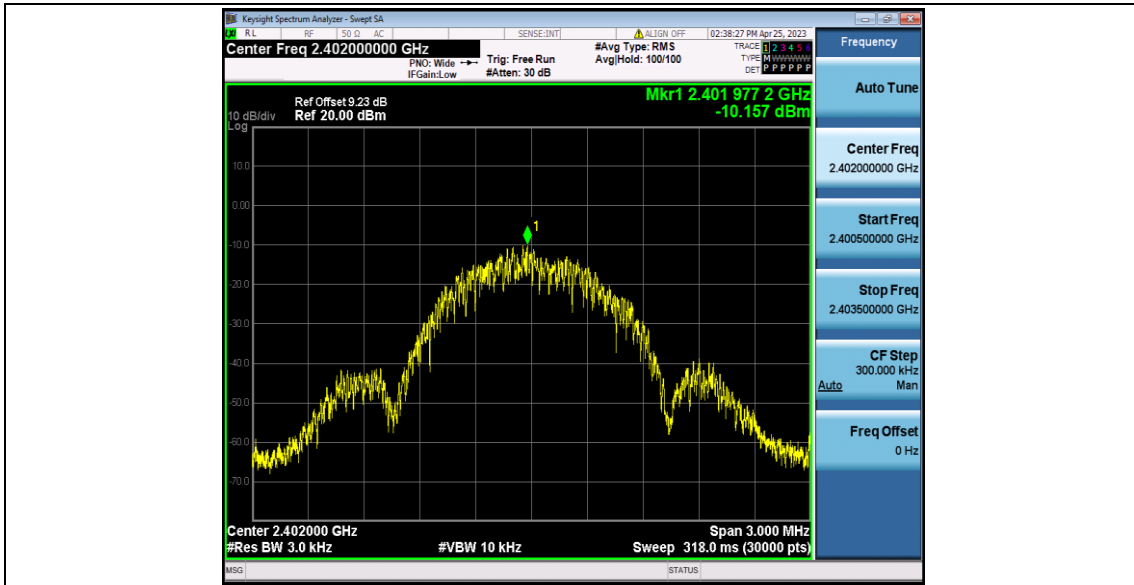
TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE	Ant1	2402	5.09	≤30	PASS
		2440	5.93	≤30	PASS
		2480	6.10	≤30	PASS

Appendix B.4: Maximum power spectral density

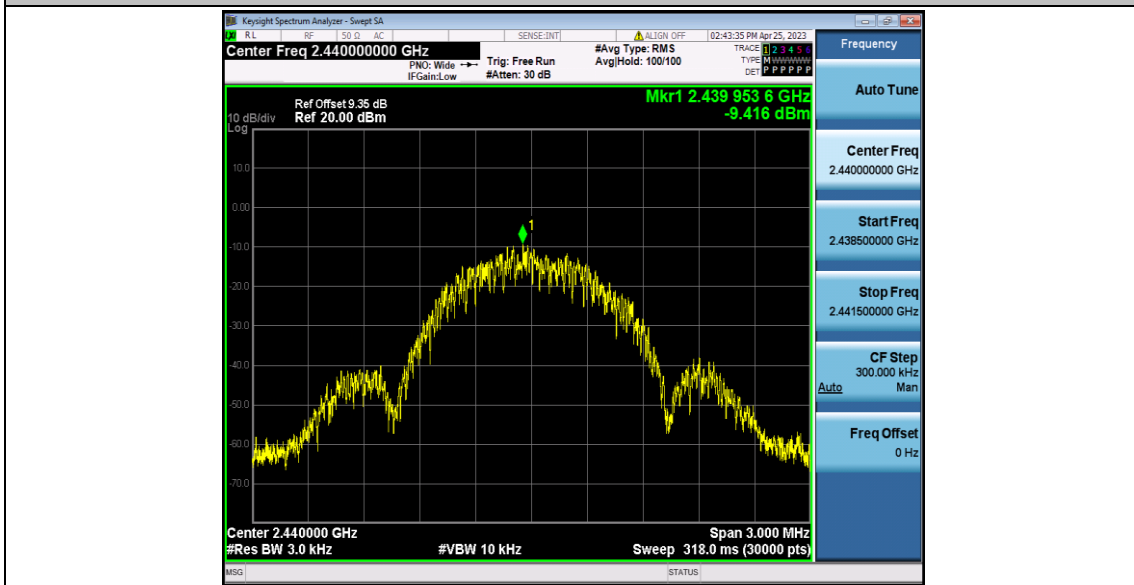
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-10.16	≤8.00	PASS
		2440	-9.42	≤8.00	PASS
		2480	-9.58	≤8.00	PASS

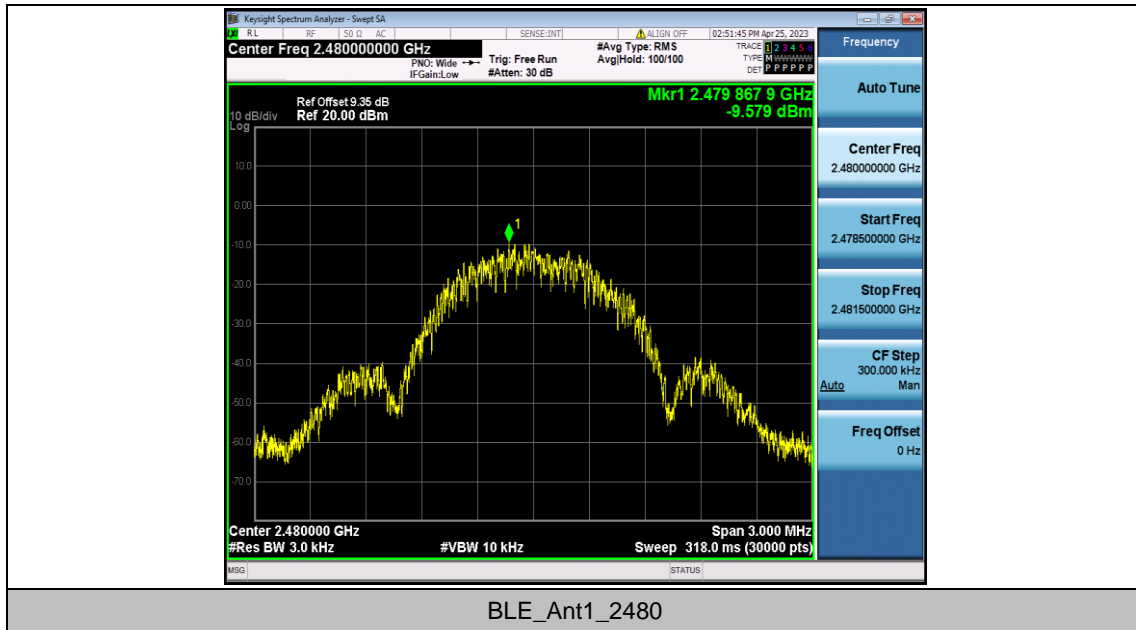
Test Graphs



BLE_Ant1_2402



BLE_Ant1_2440

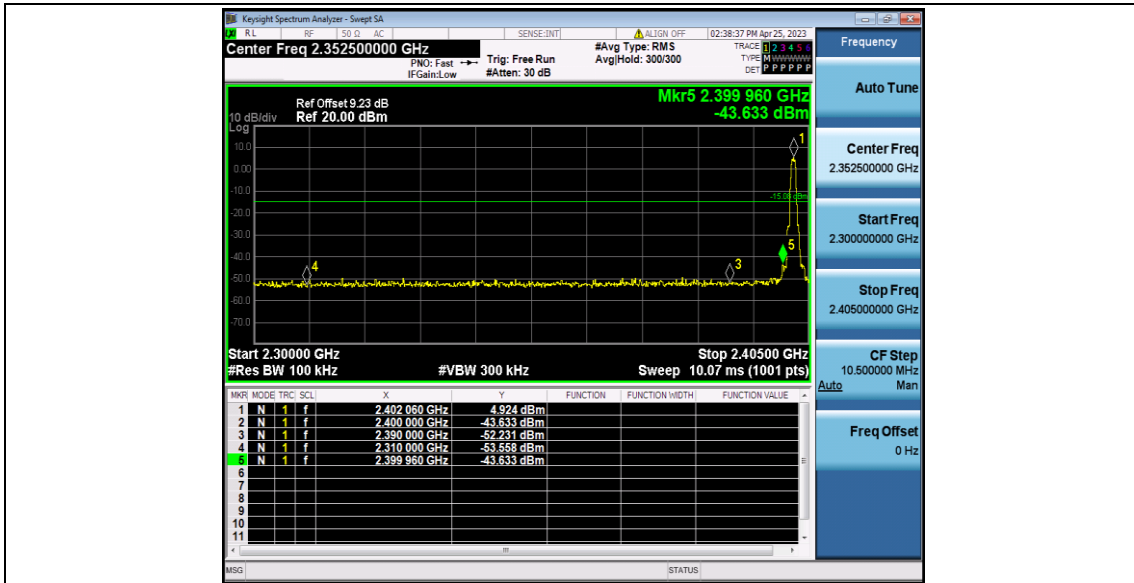


Appendix B.5: Band edge measurements

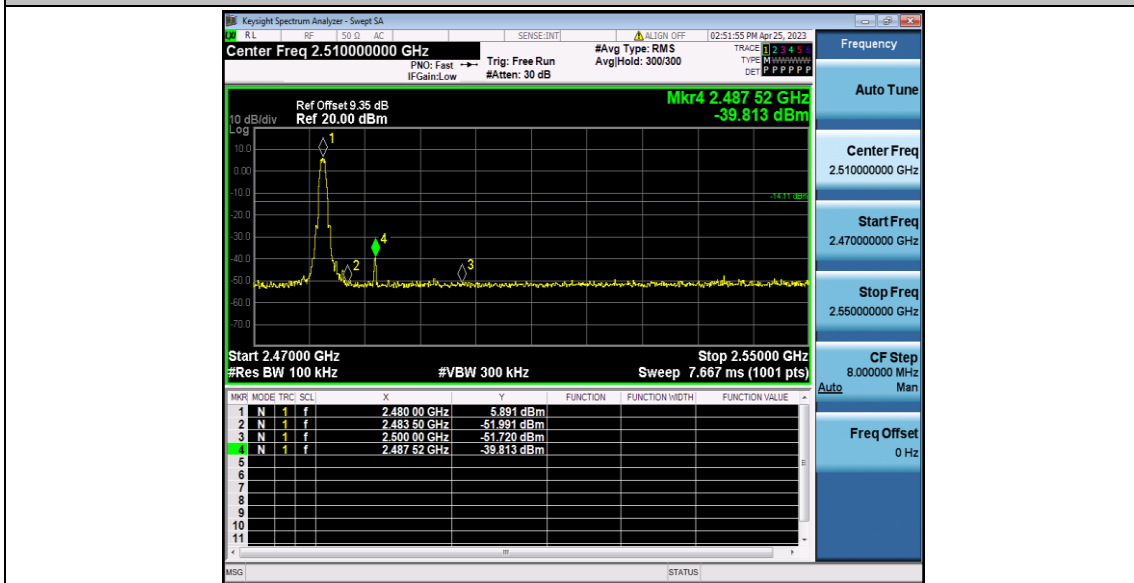
Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	4.92	-43.63	≤-15.08	PASS
		High	2480	5.89	-39.81	≤-14.11	PASS

Test Graphs



BLE_Ant1_Low_2402



BLE_Ant1_High_2480

Appendix B.6: Conducted Spurious Emission

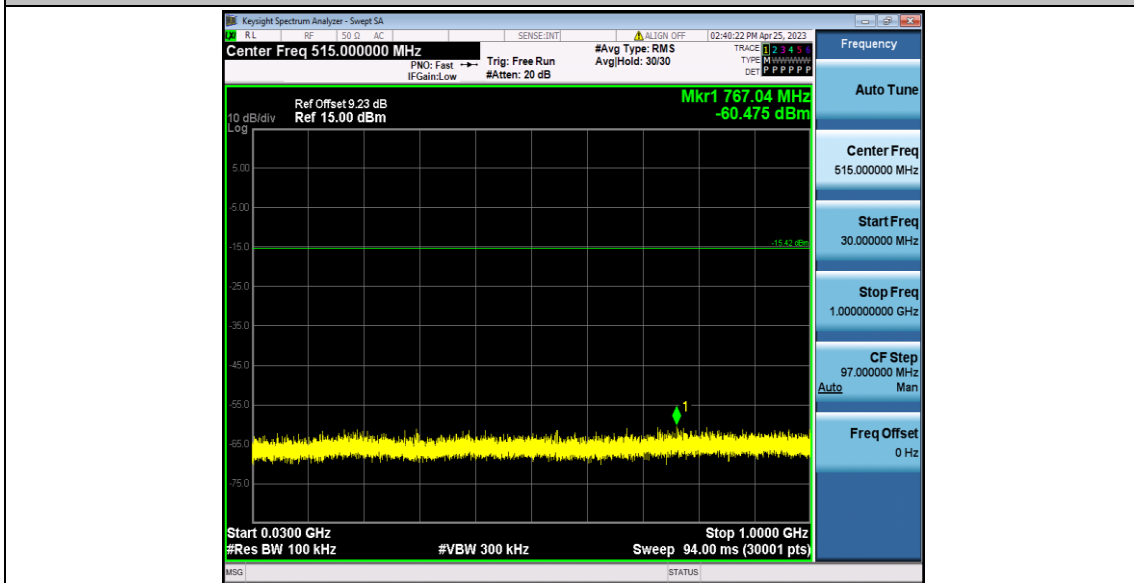
Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	4.58	4.58	---	PASS
			30~1000	4.58	-60.48	≤ -15.42	PASS
			1000~26500	4.58	-47.45	≤ -15.42	PASS
		2440	Reference	5.35	5.35	---	PASS
			30~1000	5.35	-60.09	≤ -14.65	PASS
			1000~26500	5.35	-47.46	≤ -14.65	PASS
		2480	Reference	5.11	5.11	---	PASS
			30~1000	5.11	-60.22	≤ -14.89	PASS
			1000~26500	5.11	-47.21	≤ -14.89	PASS

Test Graphs



BLE_Ant1_2402_0~Reference



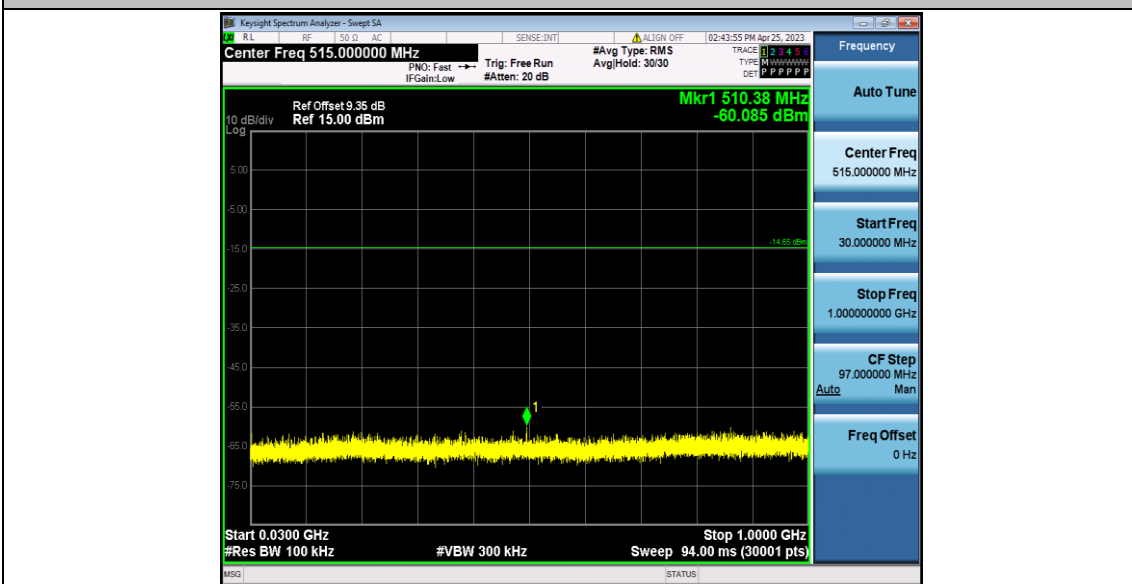
BLE_Ant1_2402_30~1000



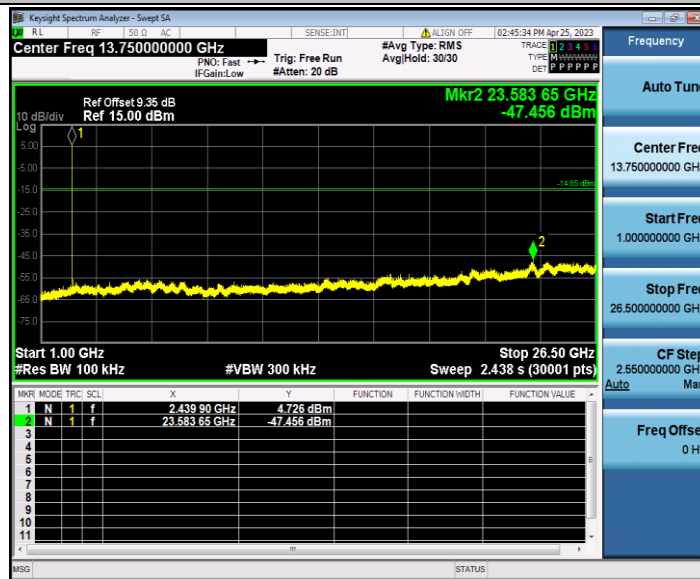
BLE_Ant1_2402_1000~26500



BLE_Ant1_2440_0~Reference



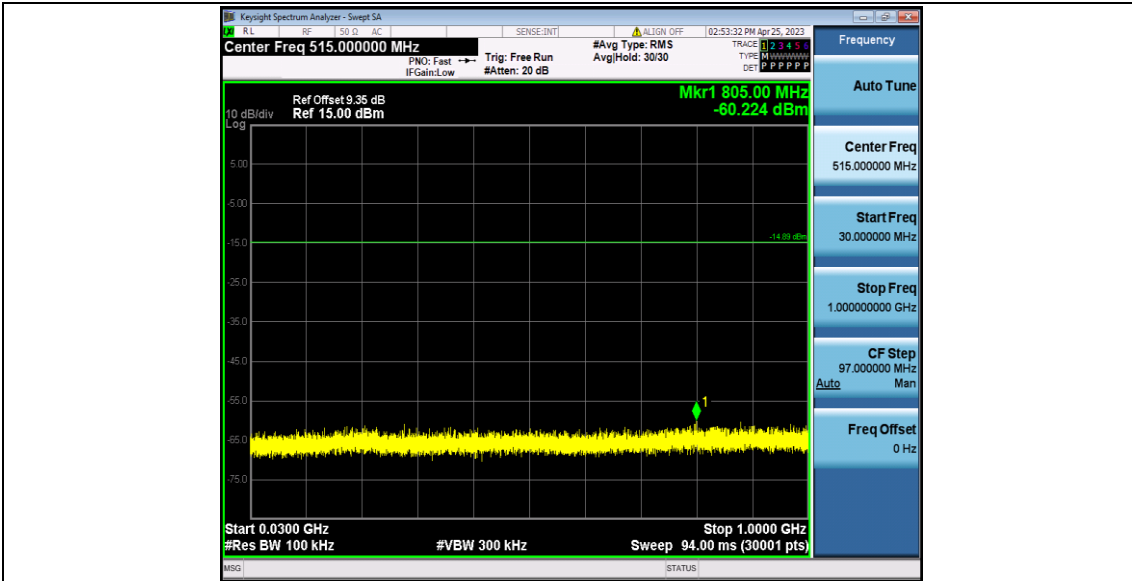
BLE_Ant1_2440_30~1000



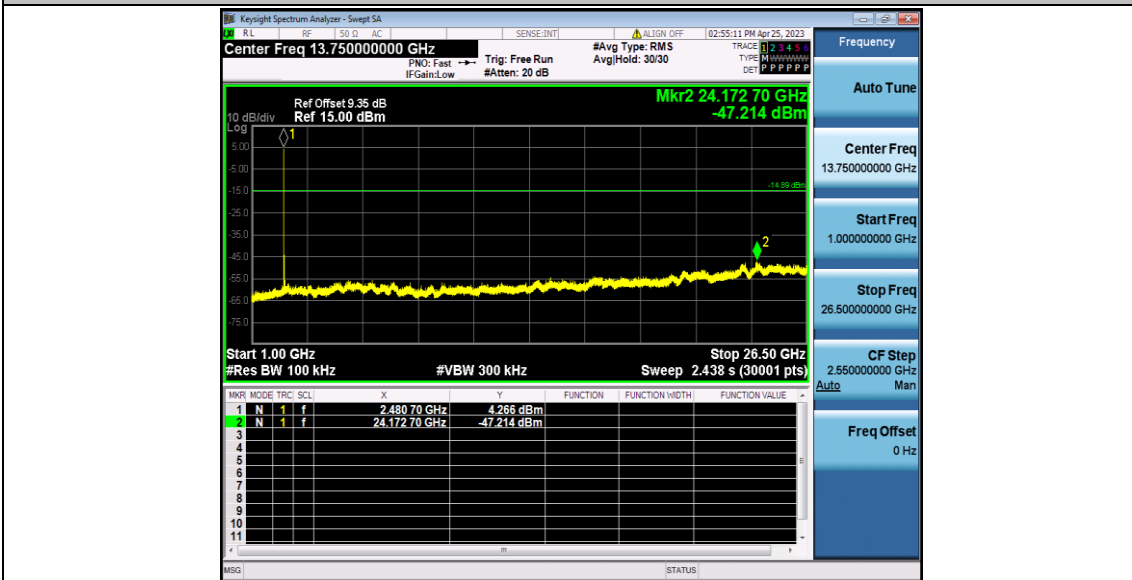
BLE_Ant1_2440_1000~26500



BLE_Ant1_2480_0~Reference



BLE_Ant1_2480_30~1000



BLE_Ant1_2480_1000~26500