

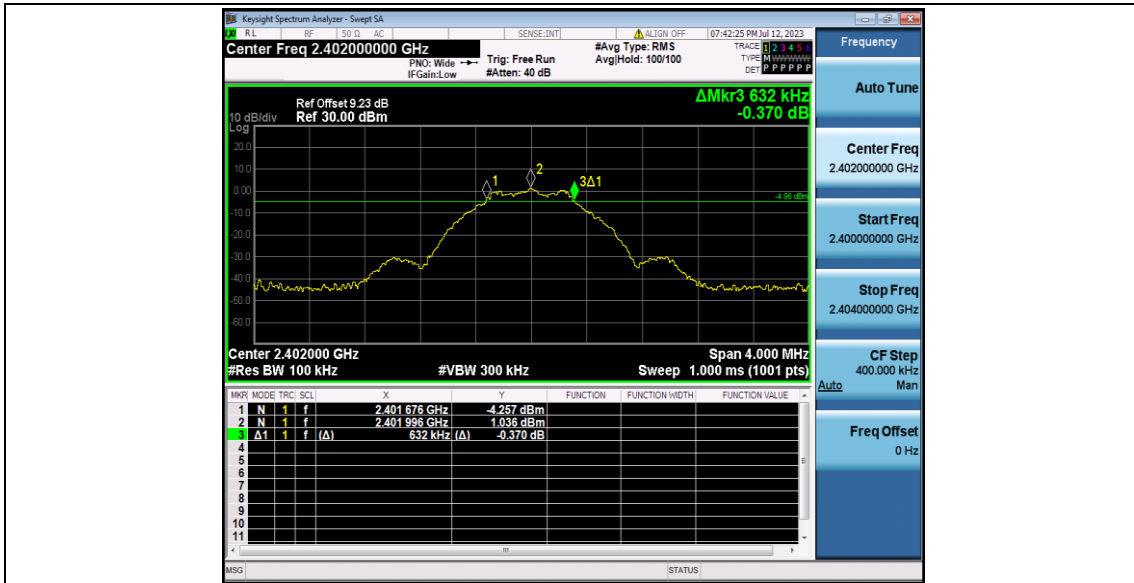
Case No. : <u>GTS20230628010-1-2</u>
Ambient Condition: <u>24</u> °C, <u>49</u> %RH, Atmos100.1Kpa,
Test Date: <u>2023.7.11</u> Test Engineer: <u>Jenny zeng</u>

Appendix B.1: DTS Bandwidth

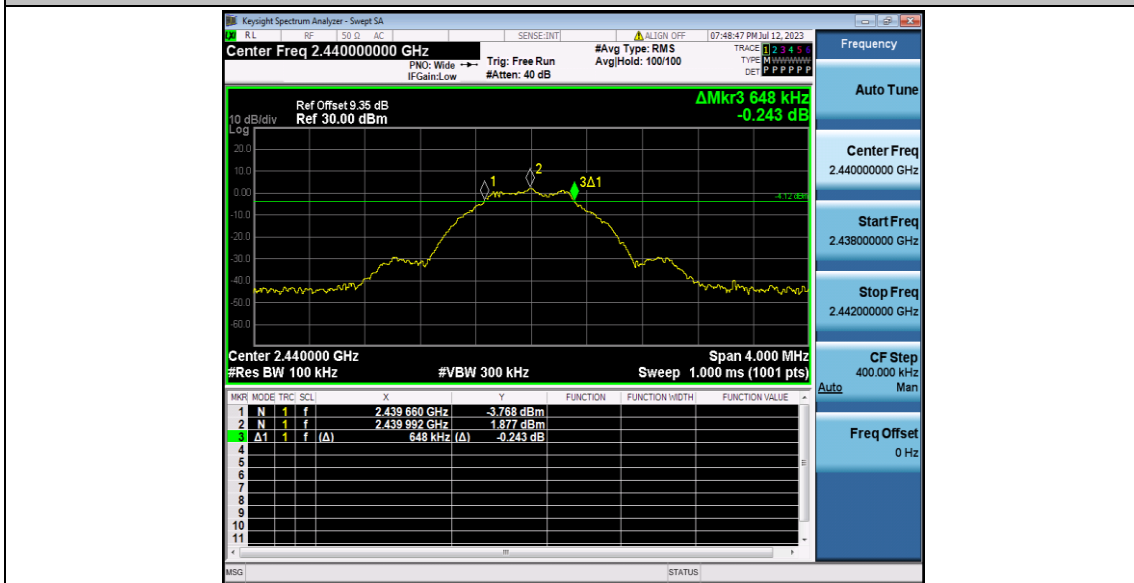
Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	0.632	2401.676	2402.308	0.5	PASS
		2440	0.648	2439.660	2440.308	0.5	PASS
		2480	0.676	2479.644	2480.320	0.5	PASS

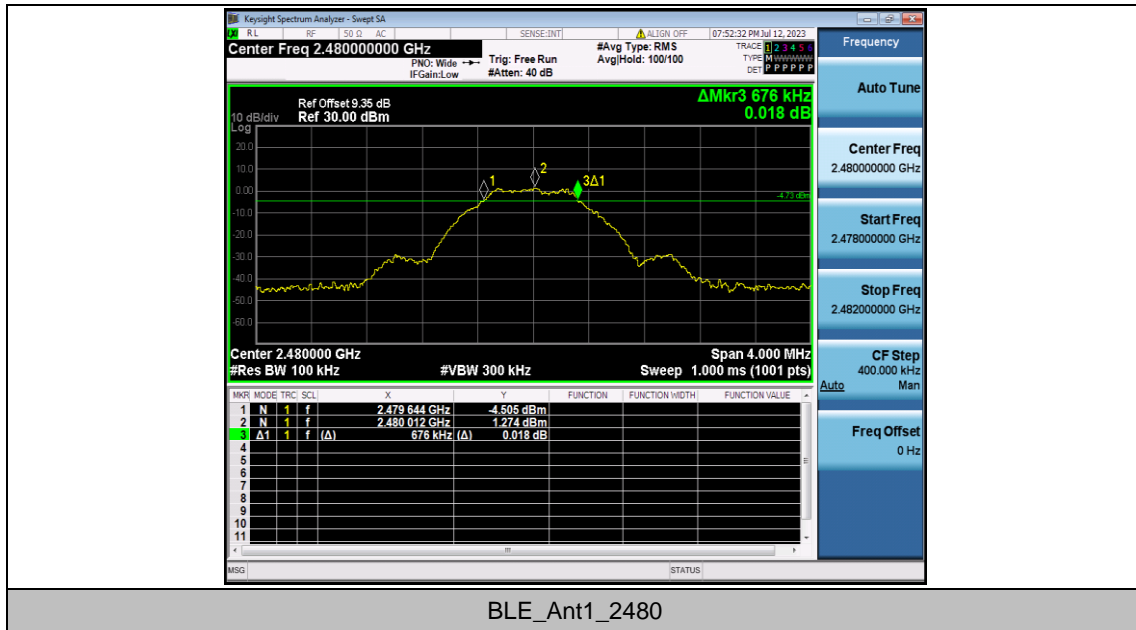
Test Graphs



BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480

Appendix B.2: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	1.0379	2401.485	2402.522	---	---
		2440	1.0407	2439.481	2440.522	---	---
		2480	1.0325	2479.481	2480.513	---	---

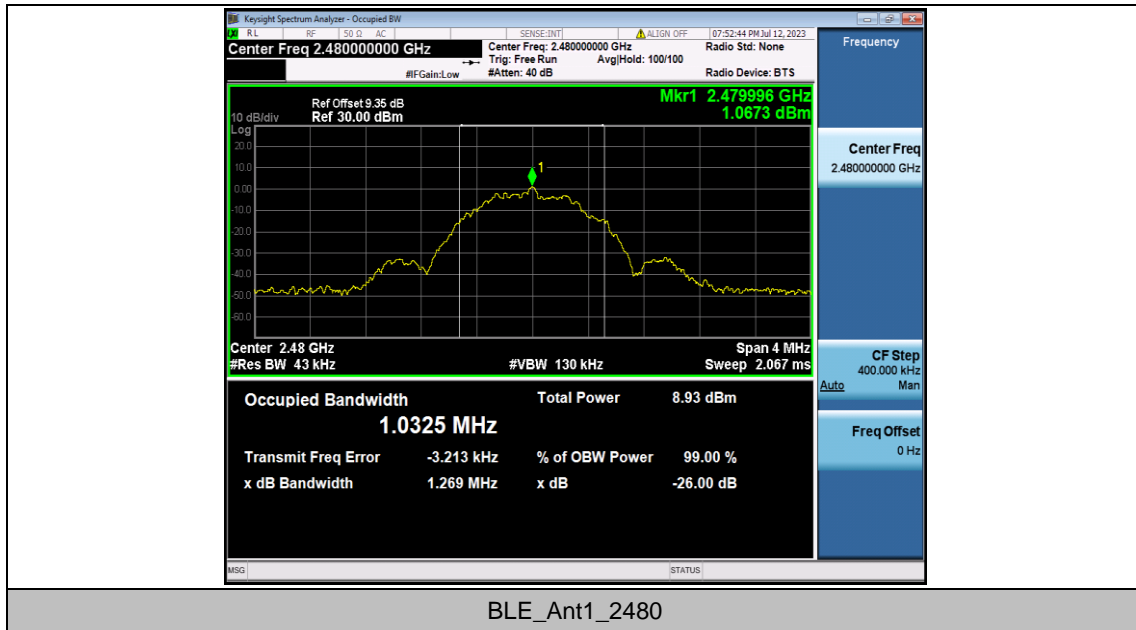
Test Graphs



BLE_Ant1_2402



BLE_Ant1_2440



Appendix B.3: Maximum conducted output power

Test Result Peak

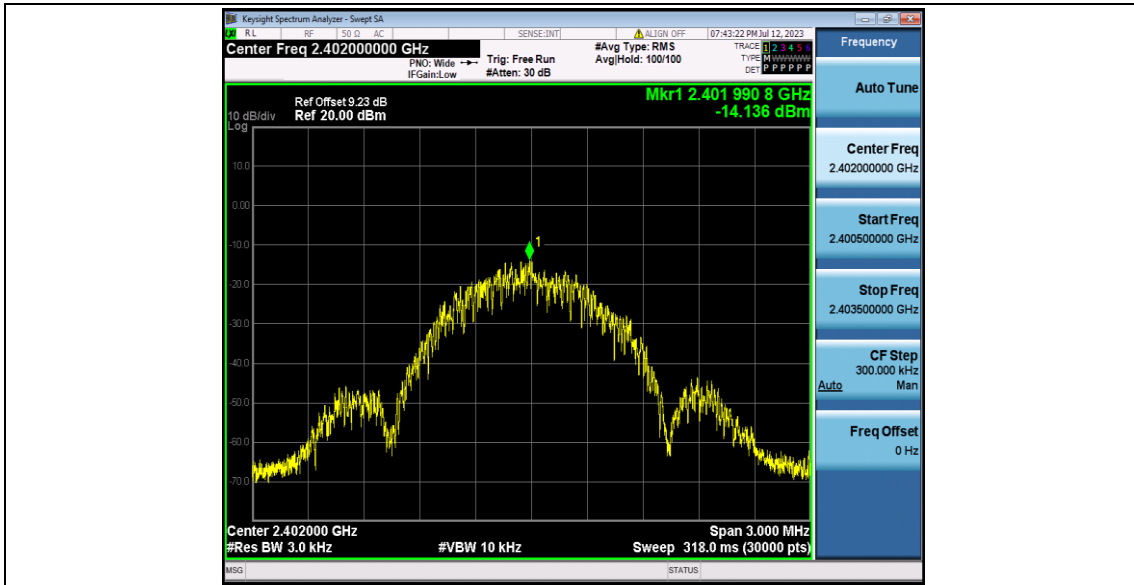
Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE	Ant1	2402	1.32	≤30	PASS
		2440	2.1	≤30	PASS
		2480	2.17	≤30	PASS

Appendix B.4: Maximum power spectral density

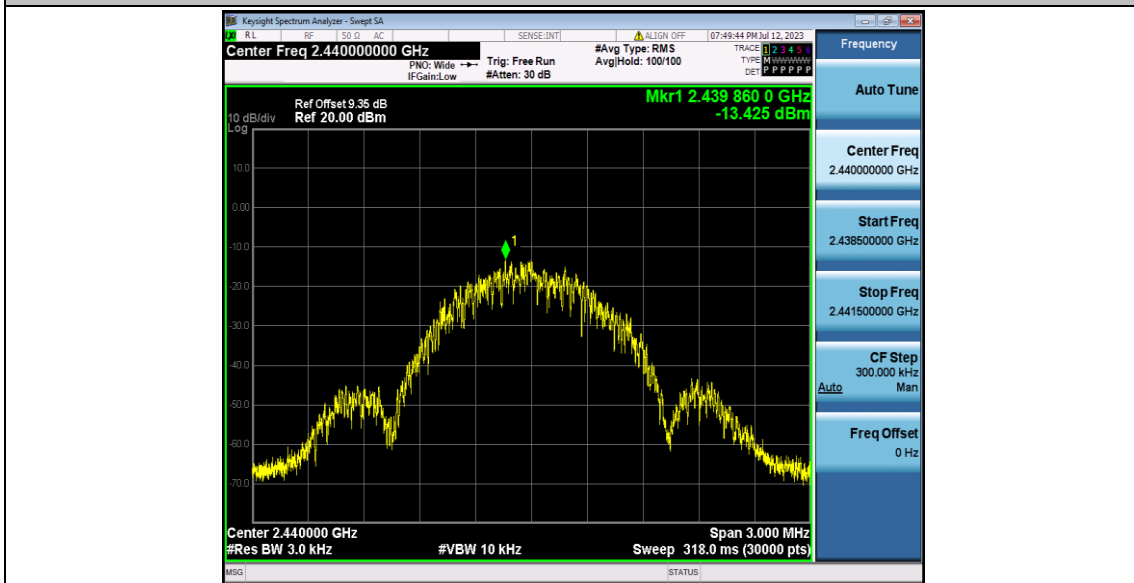
Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-14.14	≤8.00	PASS
		2440	-13.43	≤8.00	PASS
		2480	-13.27	≤8.00	PASS

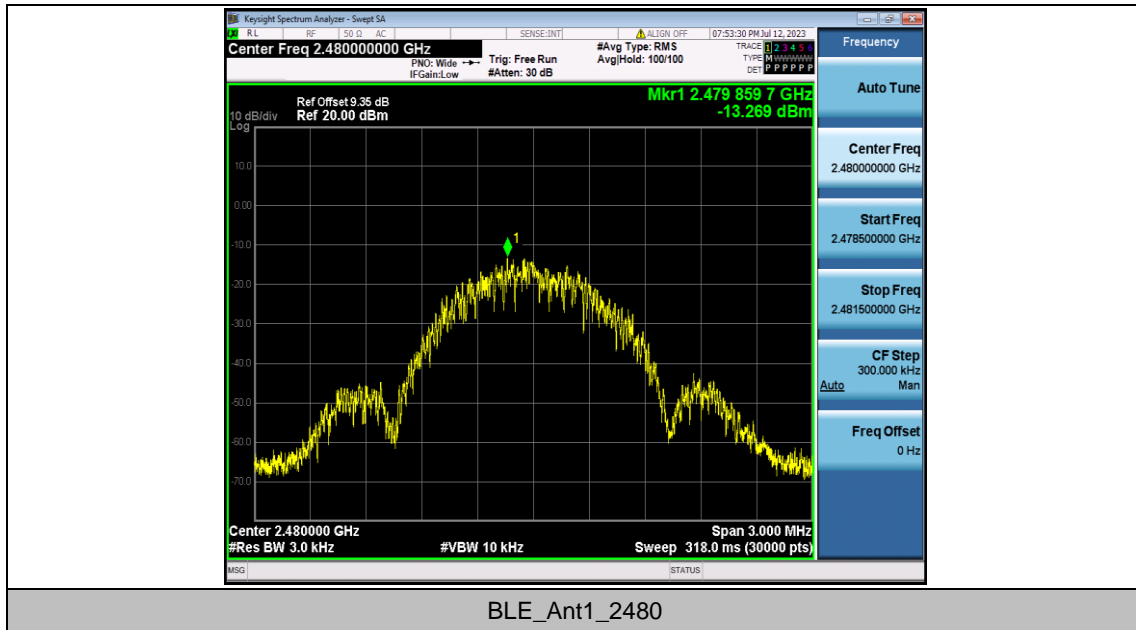
Test Graphs



BLE_Ant1_2402



BLE_Ant1_2440

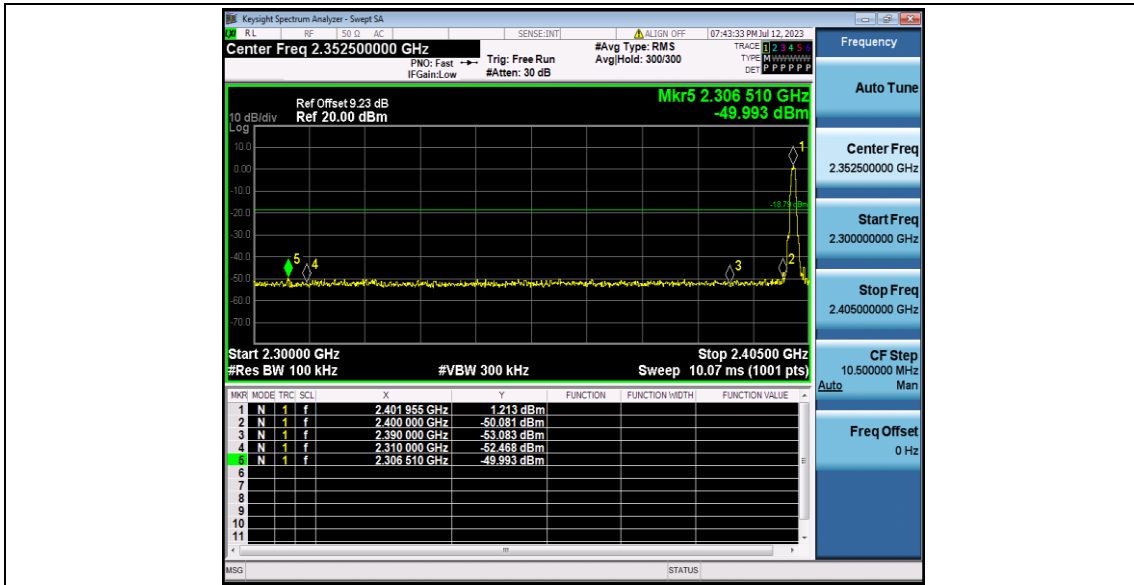


Appendix B.5: Band edge measurements

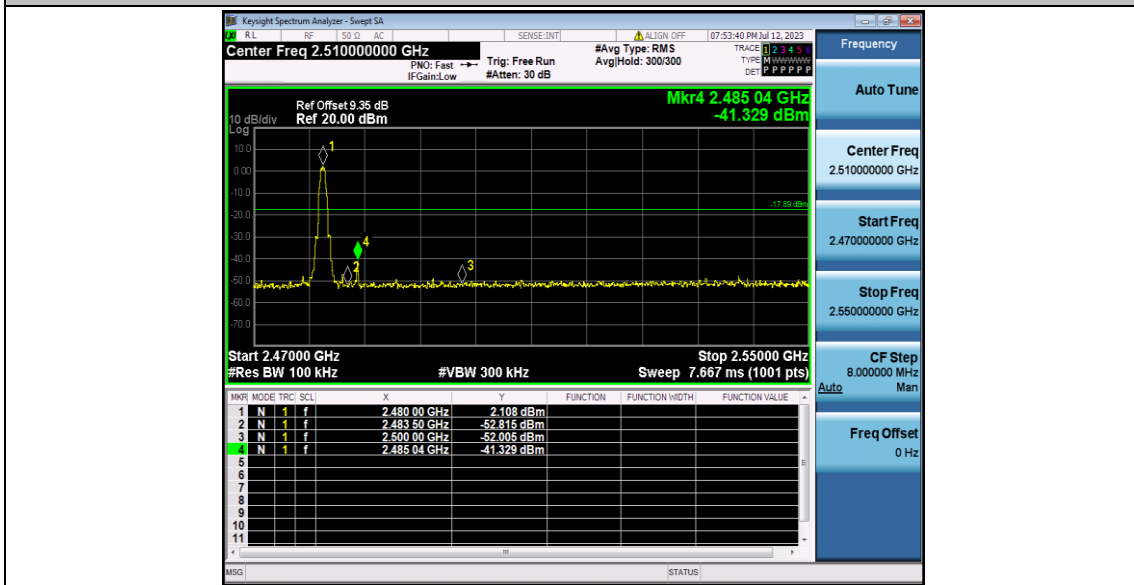
Test Result

Test Mode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	1.21	-49.99	≤-18.79	PASS
		High	2480	2.11	-41.33	≤-17.89	PASS

Test Graphs



BLE_Ant1_Low_2402



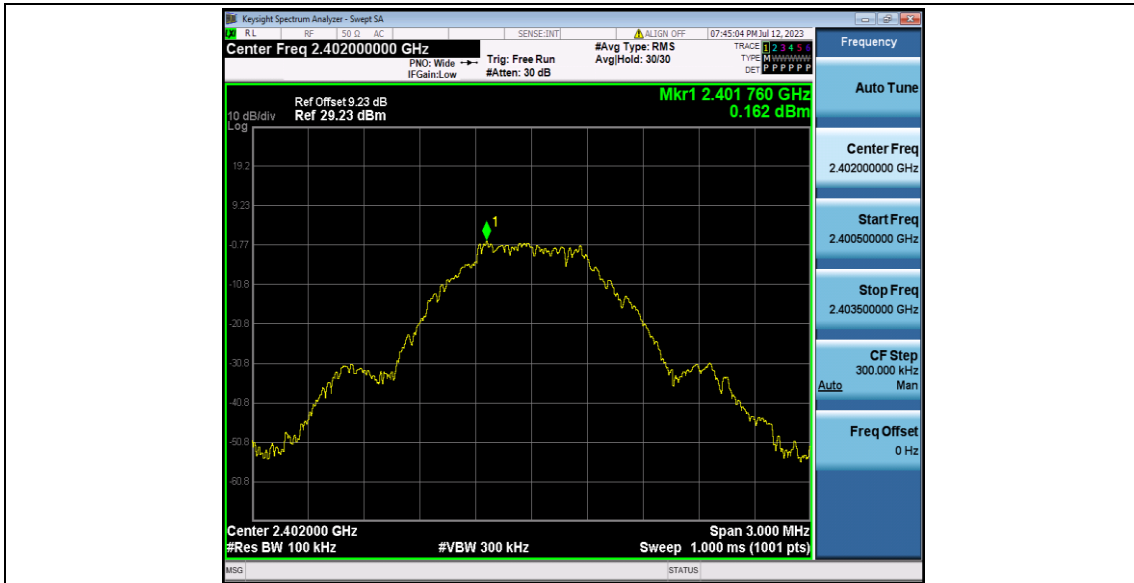
BLE_Ant1_High_2480

Appendix B.6: Conducted Spurious Emission

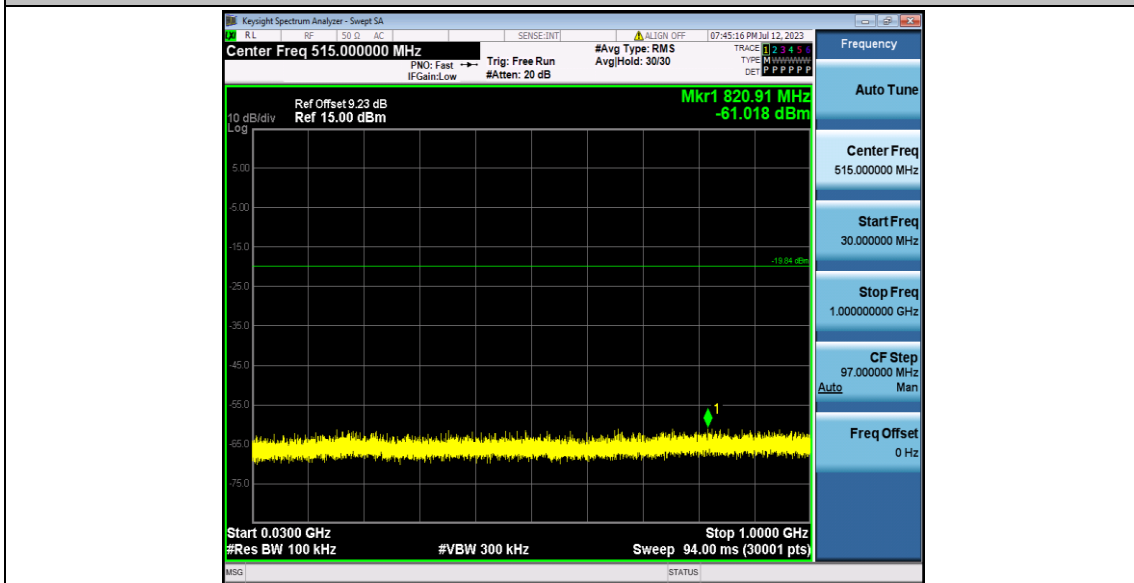
Test Result

Test Mode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	0.16	0.16	---	PASS
			30~1000	0.16	-61.02	≤ -19.84	PASS
			1000~26500	0.16	-47.73	≤ -19.84	PASS
		2440	Reference	1.01	1.01	---	PASS
			30~1000	1.01	-60.06	≤ -18.99	PASS
			1000~26500	1.01	-47.2	≤ -18.99	PASS
		2480	Reference	1.29	1.29	---	PASS
			30~1000	1.29	-60.34	≤ -18.71	PASS
			1000~26500	1.29	-47.04	≤ -18.71	PASS

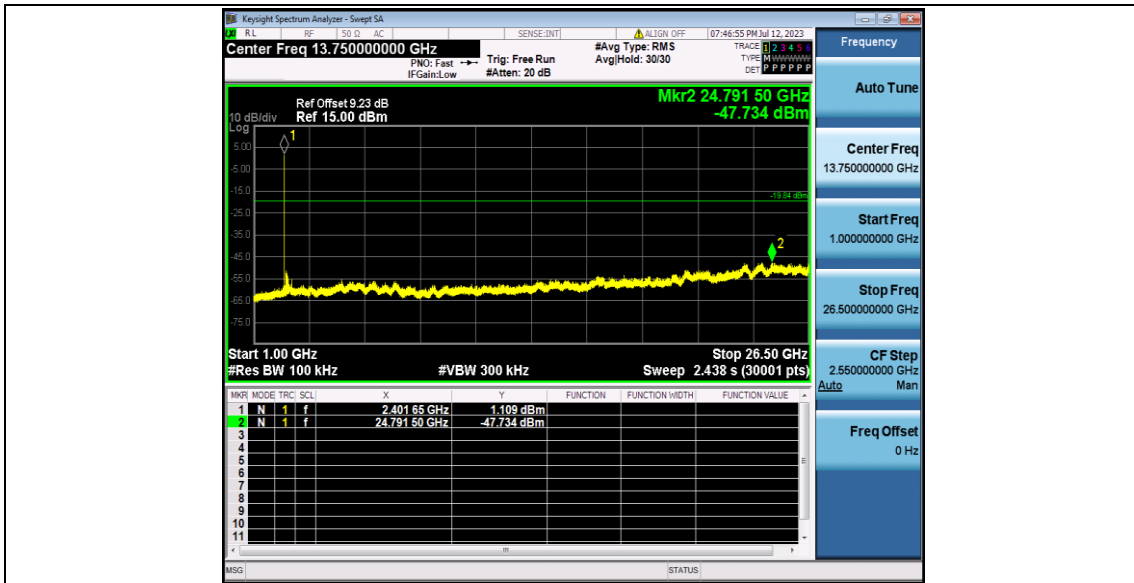
Test Graphs



BLE_Ant1_2402_0~Reference



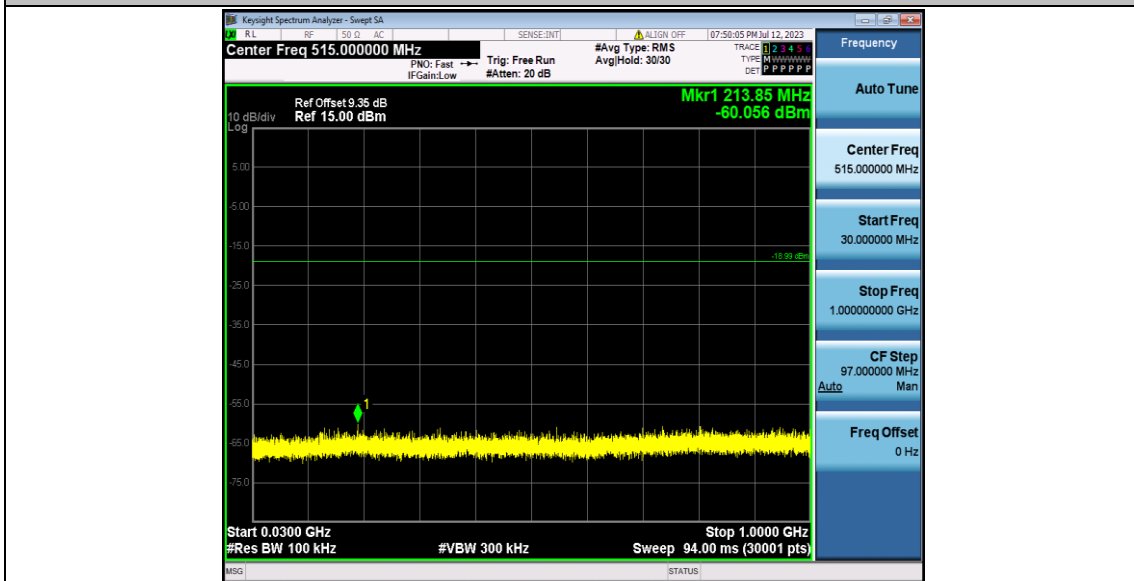
BLE_Ant1_2402_30~1000



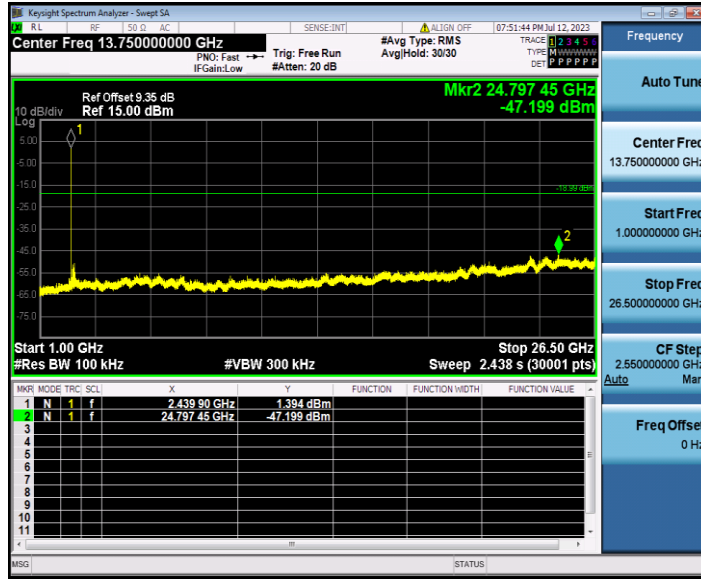
BLE_Ant1_2402_1000~26500



BLE_Ant1_2440_0~Reference



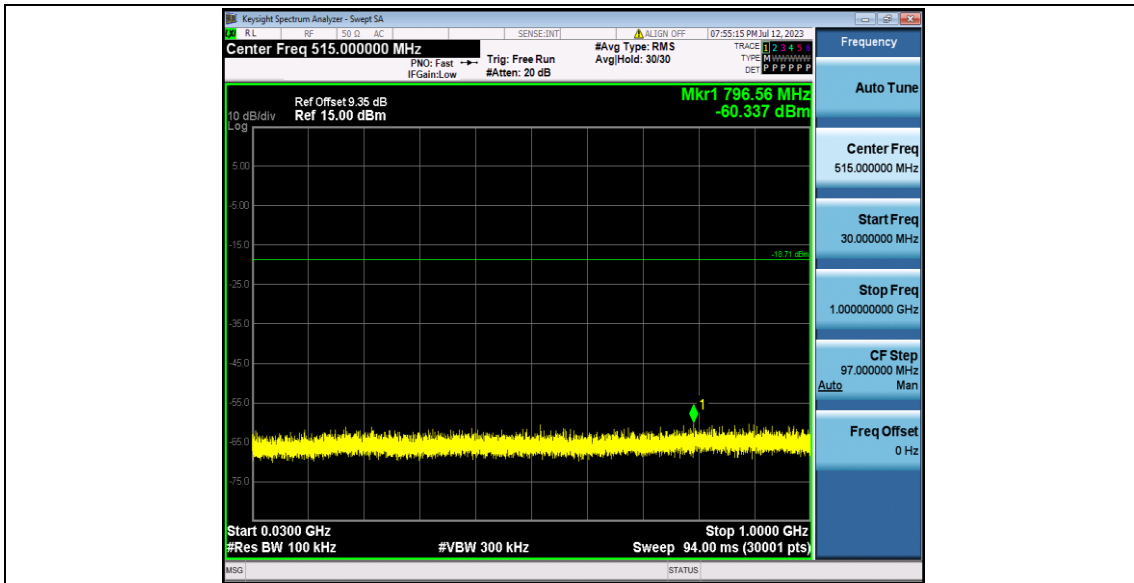
BLE_Ant1_2440_30~1000



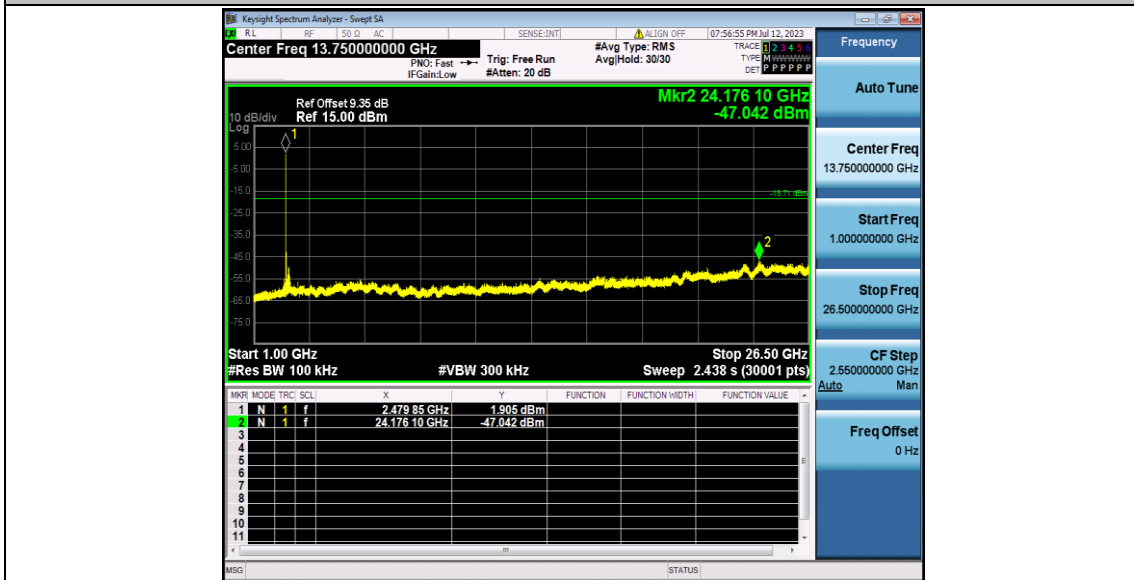
BLE_Ant1_2440_1000~26500



BLE_Ant1_2480_0~Reference



BLE_Ant1_2480_30~1000



BLE_Ant1_2480_1000~26500