

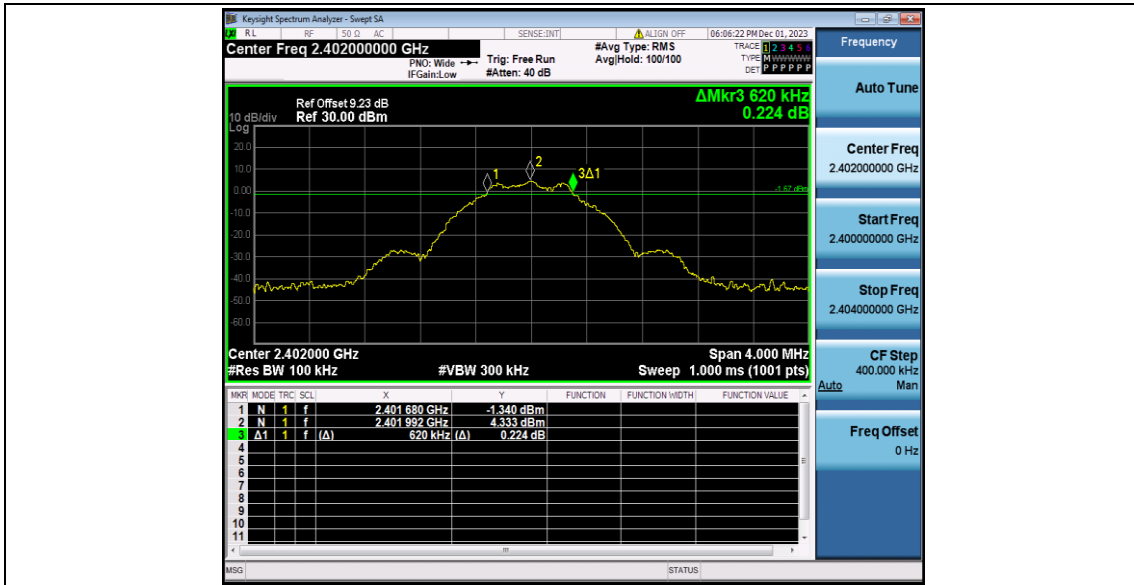
Case No. : <u>GTS20231017004-1-11</u>
Ambient Condition: <u>24</u> °C, <u>48</u> %RH, Atmos100.1Kpa,
Test Date: <u>2023.11.27</u> Test Engineer: <u>Evan ouyang</u>

Appendix B.1: DTS Bandwidth

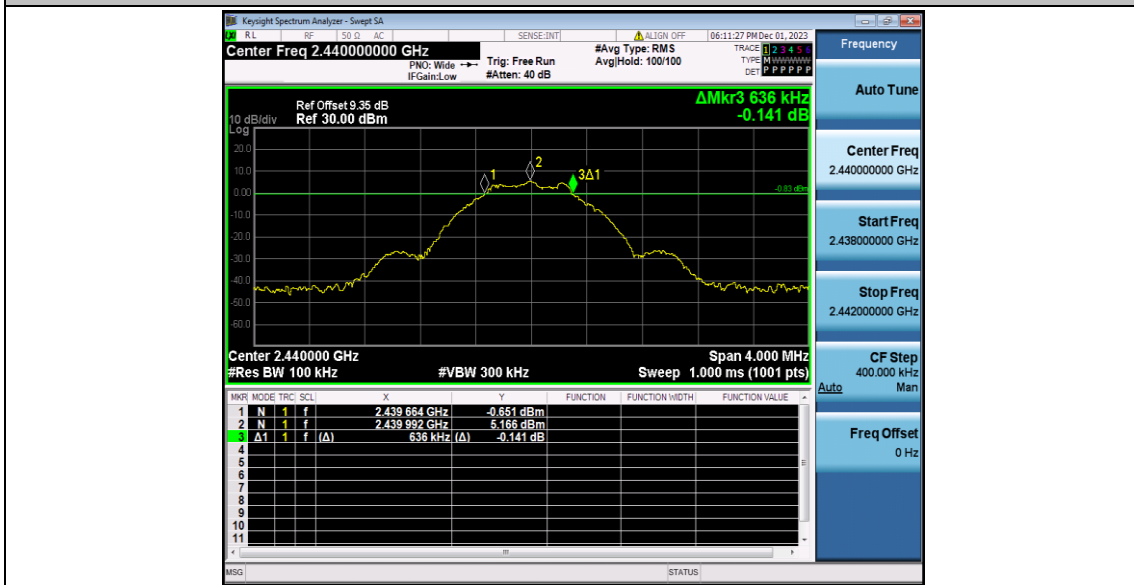
Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	0.620	2401.680	2402.300	0.5	PASS
		2440	0.636	2439.664	2440.300	0.5	PASS
		2480	0.648	2479.668	2480.316	0.5	PASS

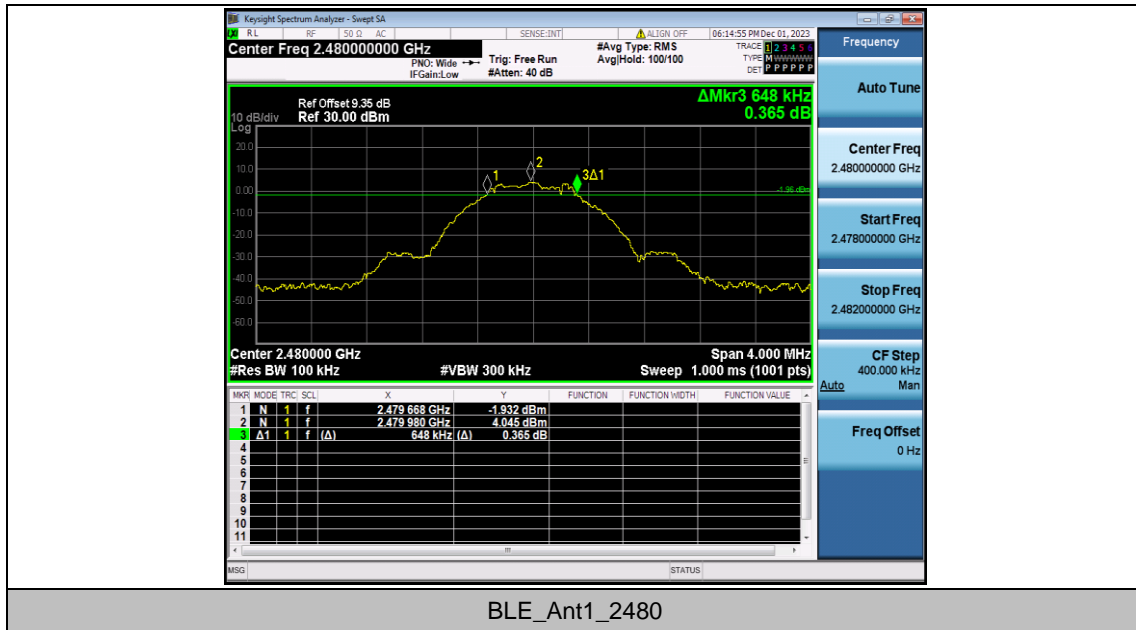
Test Graphs



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	1.0301	2401.479	2402.509	---	---
		2440	1.0326	2439.482	2440.515	---	---
		2480	1.0317	2479.481	2480.513	---	---

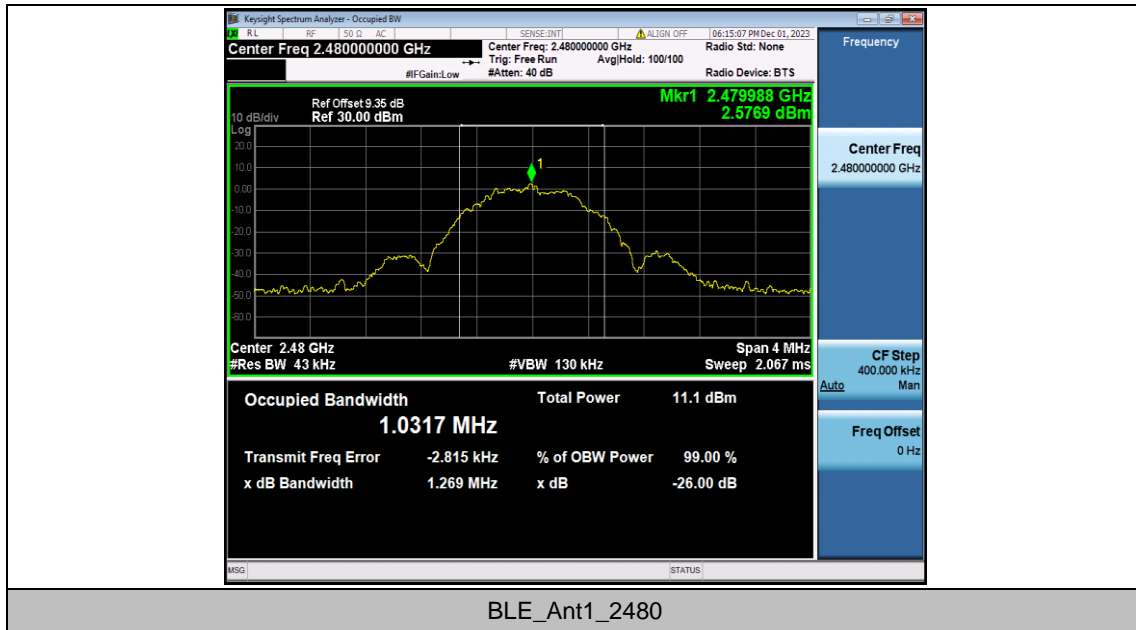
Test Graphs



BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480

Appendix B.3: Maximum conducted output power

Test Result Peak

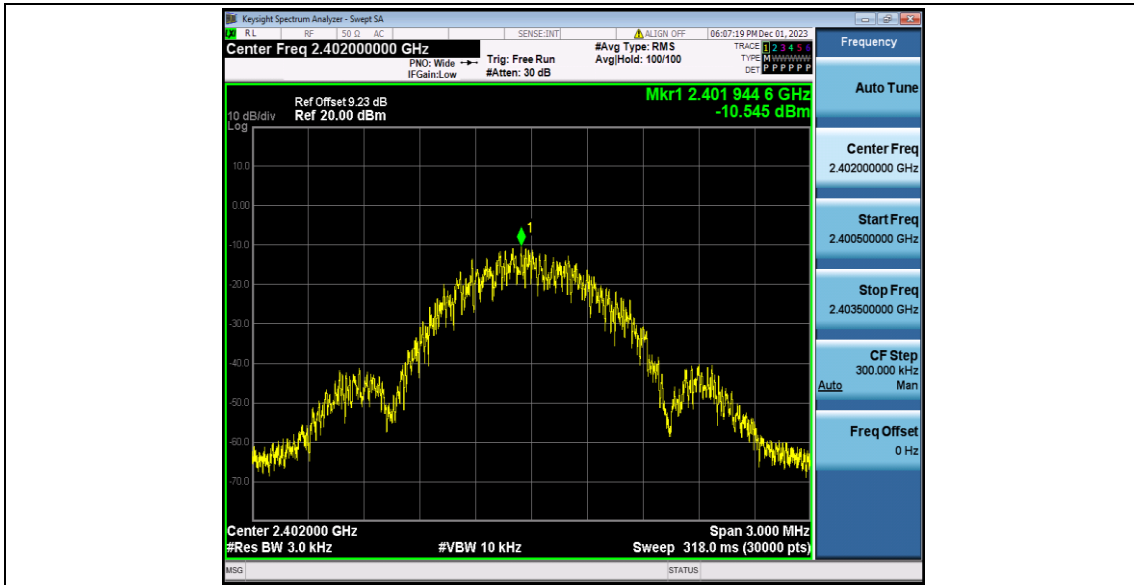
Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE	Ant1	2402	4.61	≤30	PASS
		2440	5.45	≤30	PASS
		2480	4.45	≤30	PASS

Appendix B.4: Maximum power spectral density

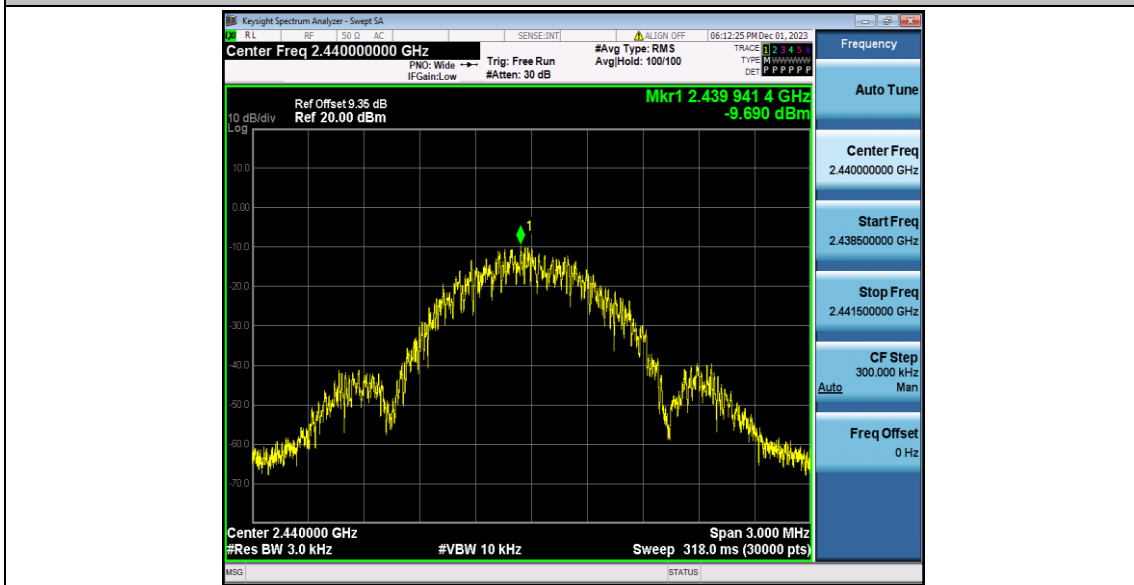
Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-10.55	≤8.00	PASS
		2440	-9.69	≤8.00	PASS
		2480	-10.54	≤8.00	PASS

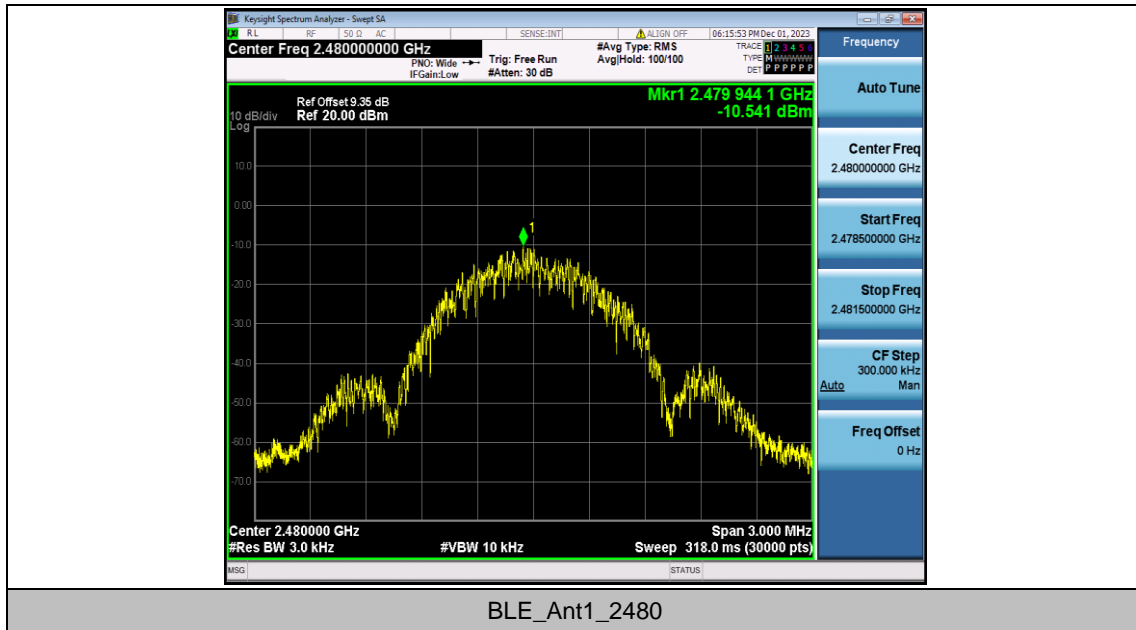
Test Graphs



BLE_Ant1_2402



BLE_Ant1_2440

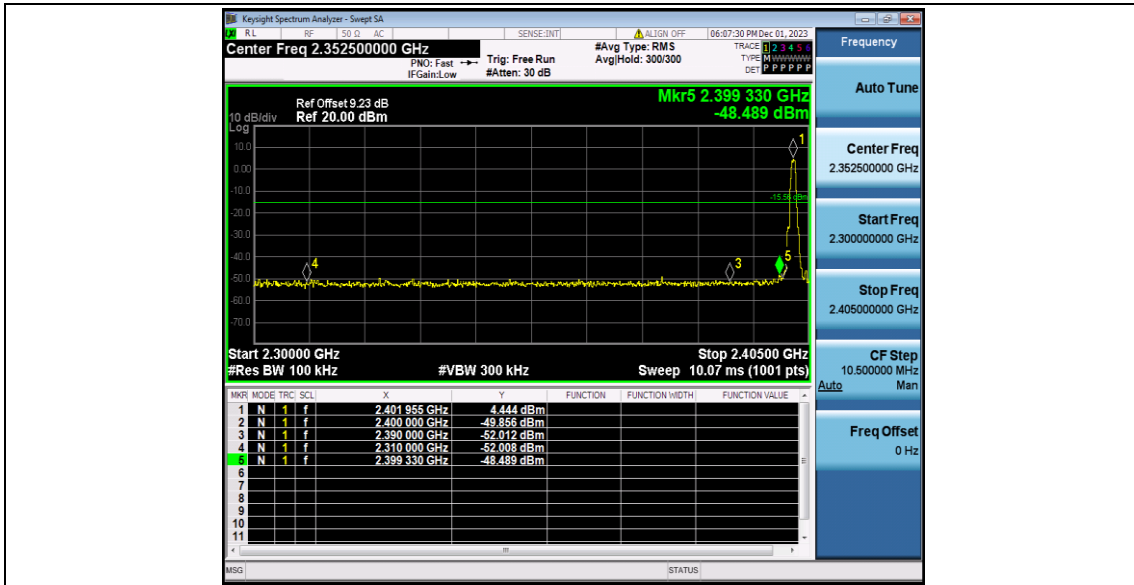


Appendix B.5: Band edge measurements

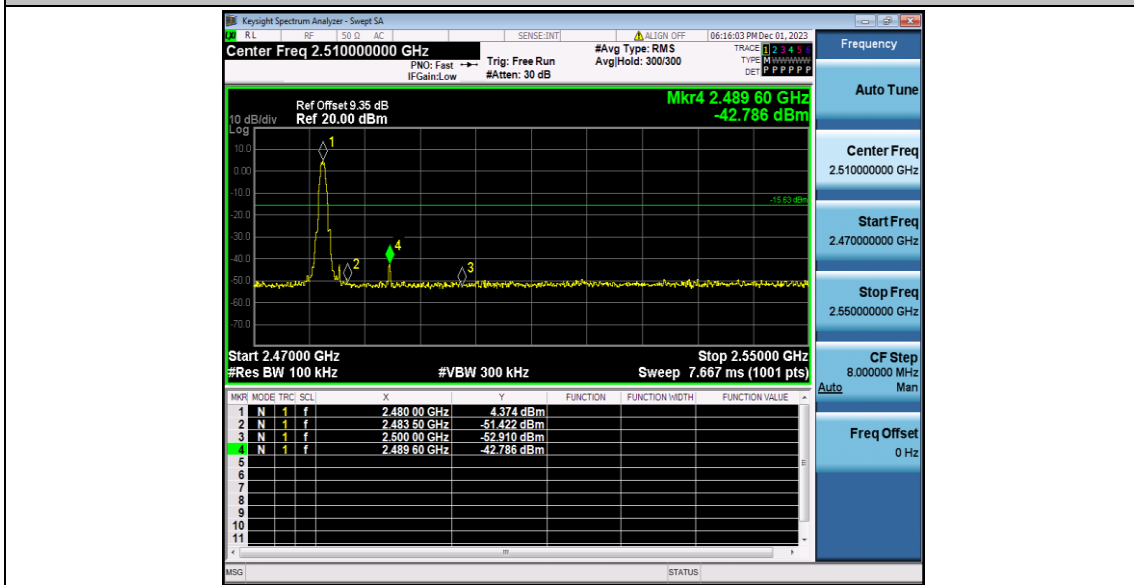
Test Result

Test Mode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	4.44	-48.49	≤-15.56	PASS
		High	2480	4.37	-42.79	≤-15.63	PASS

Test Graphs



BLE_Ant1_Low_2402



BLE_Ant1_High_2480

Appendix B.6: Conducted Spurious Emission

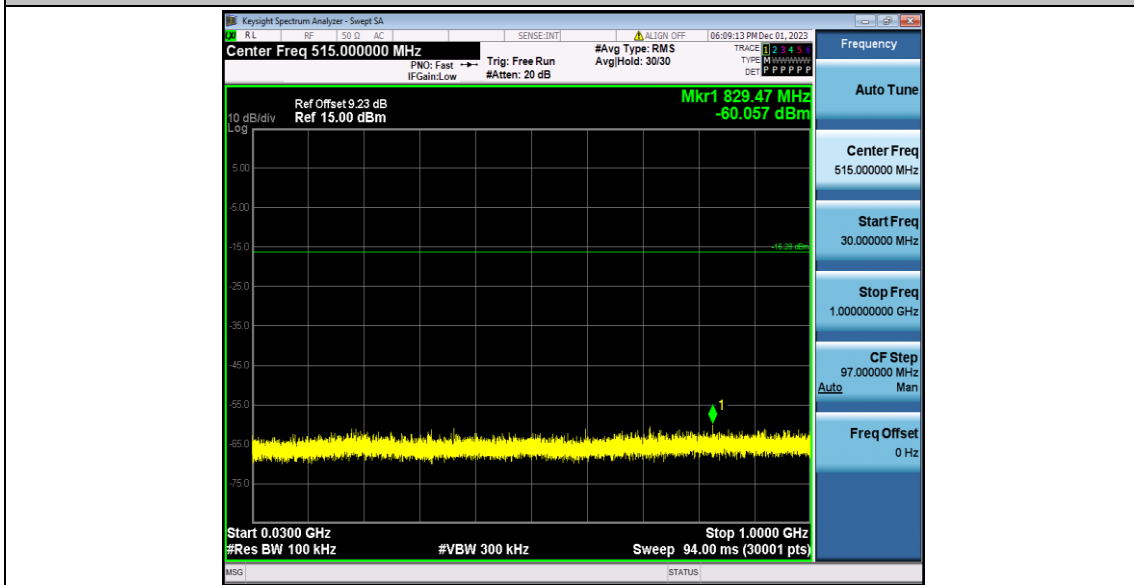
Test Result

Test Mode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	3.72	3.72	---	PASS
			30~1000	3.72	-60.06	≤ -16.28	PASS
			1000~26500	3.72	-48.22	≤ -16.28	PASS
		2440	Reference	4.62	4.62	---	PASS
			30~1000	4.62	-59.45	≤ -15.38	PASS
			1000~26500	4.62	-47.36	≤ -15.38	PASS
		2480	Reference	3.76	3.76	---	PASS
			30~1000	3.76	-60.22	≤ -16.24	PASS
			1000~26500	3.76	-46.53	≤ -16.24	PASS

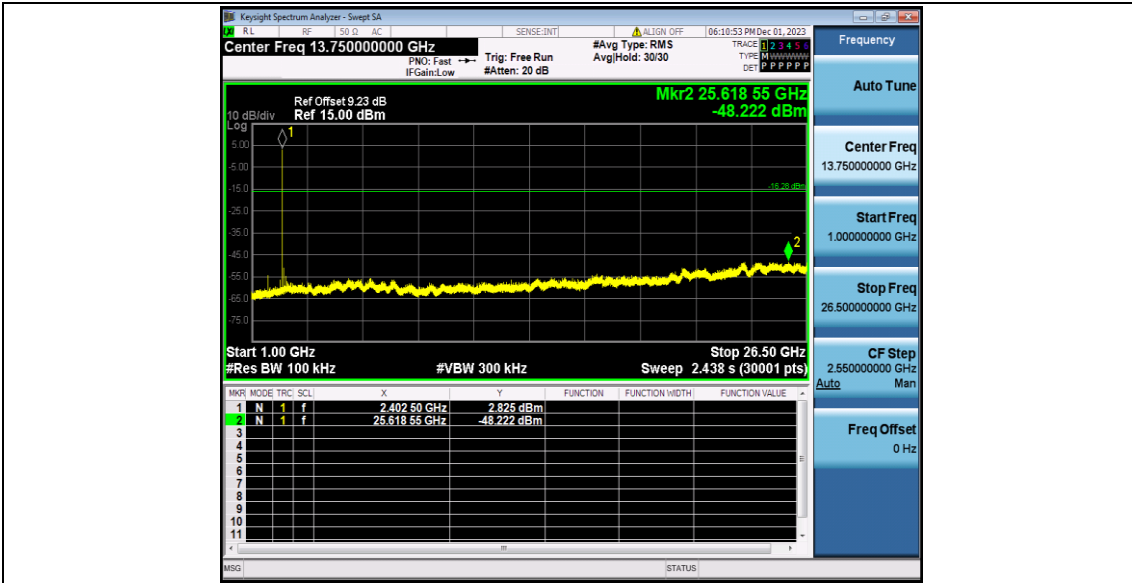
Test Graphs



BLE_Ant1_2402_0~Reference



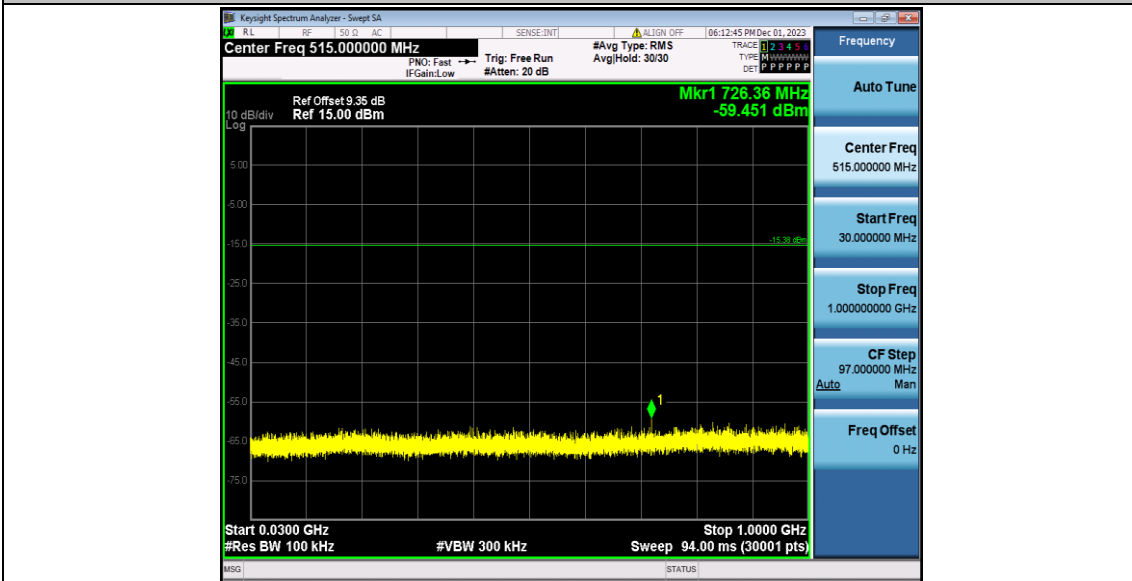
BLE_Ant1_2402_30~1000



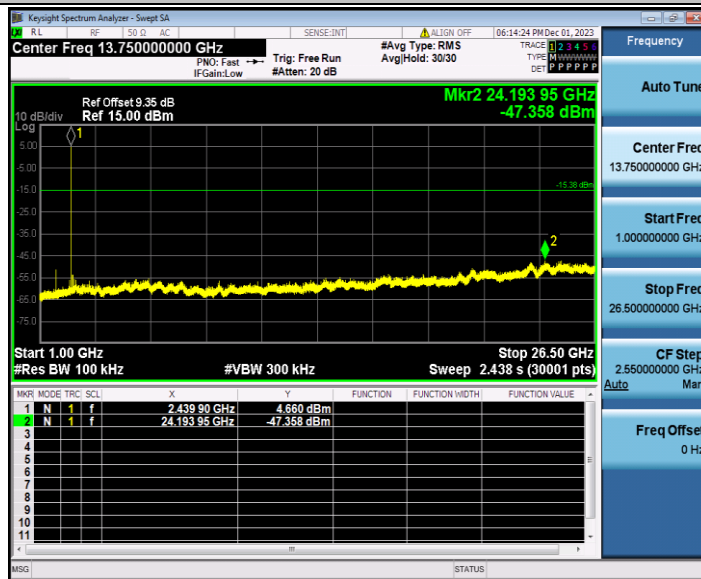
BLE_Ant1_2402_1000~26500



BLE_Ant1_2440_0~Reference



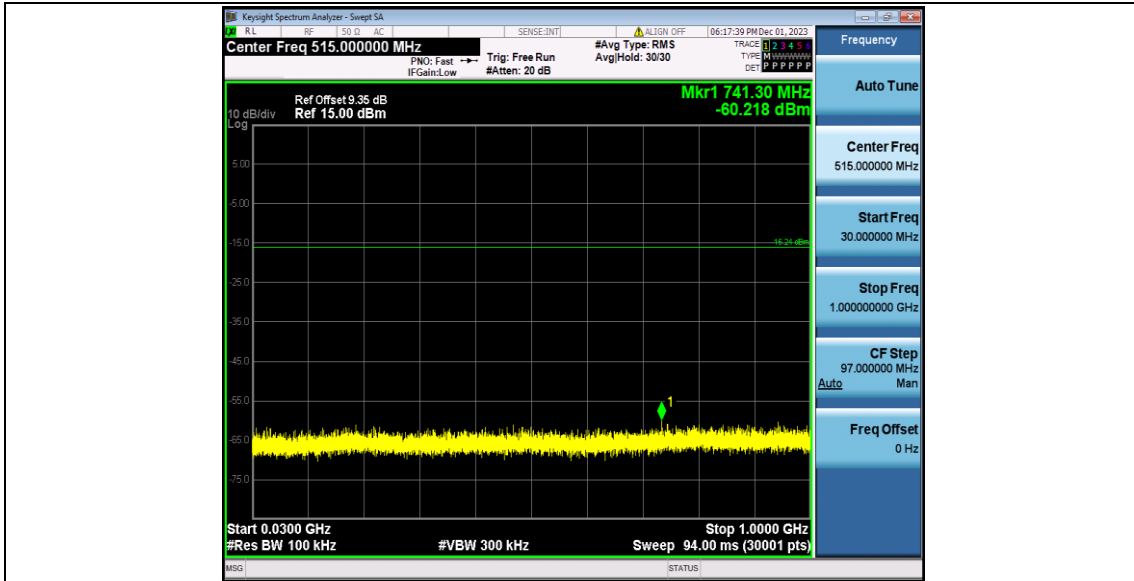
BLE_Ant1_2440_30~1000



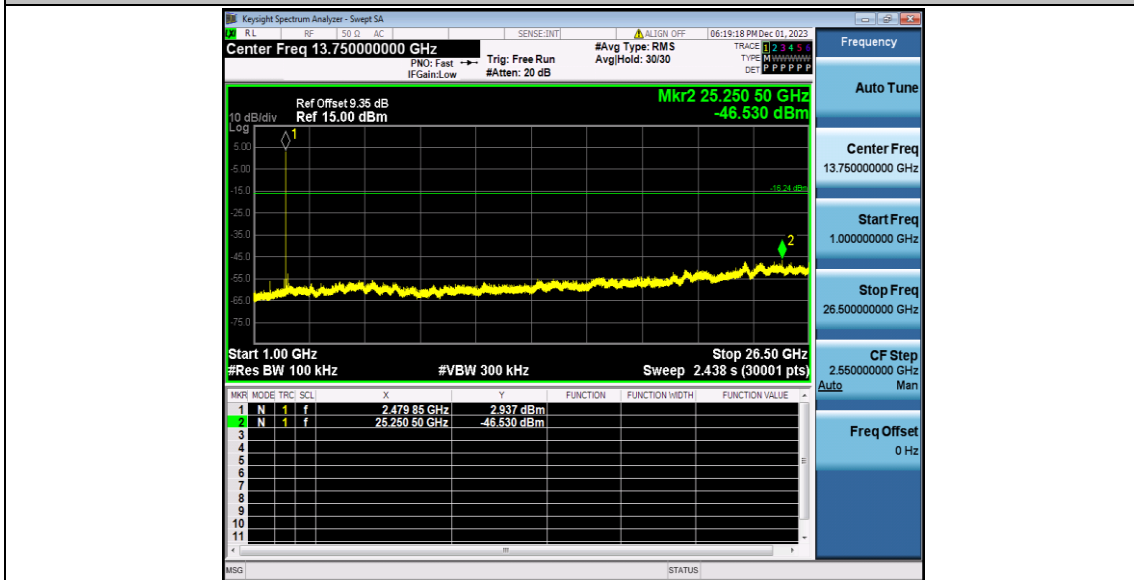
BLE_Ant1_2440_1000~26500



BLE_Ant1_2480_0~Reference



BLE_Ant1_2480_30~1000



BLE_Ant1_2480_1000~26500