

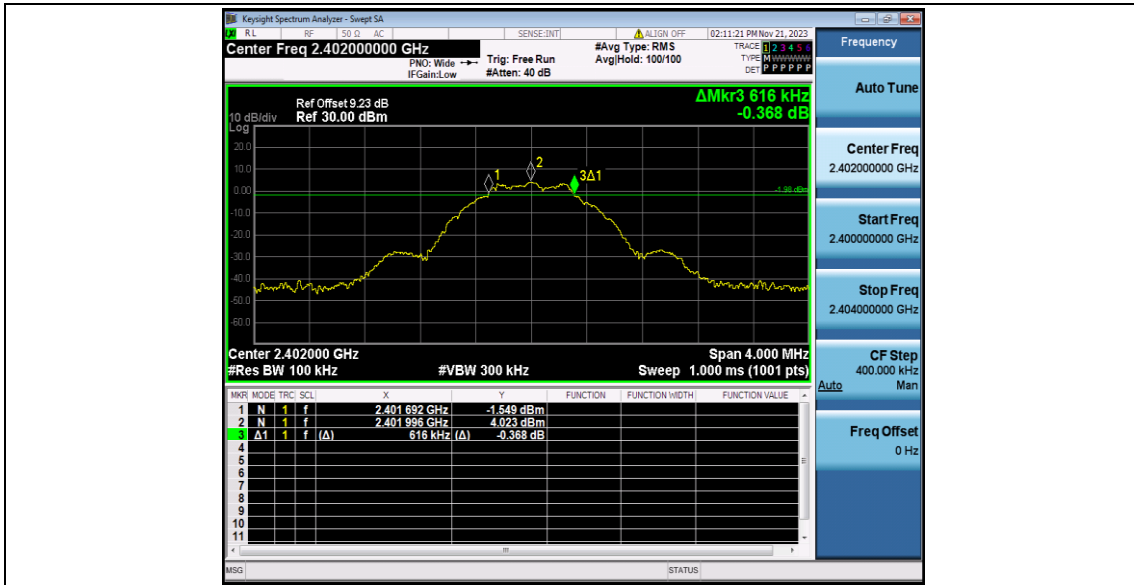
Case No. : <u>GTS20231017004-1-22</u>
Ambient Condition: <u>23</u> °C, <u>49</u> %RH, Atmos100.1Kpa,
Test Date: <u>2023.11.14</u> Test Engineer: <u>Evan ouyang</u>

Appendix B.1: DTS Bandwidth

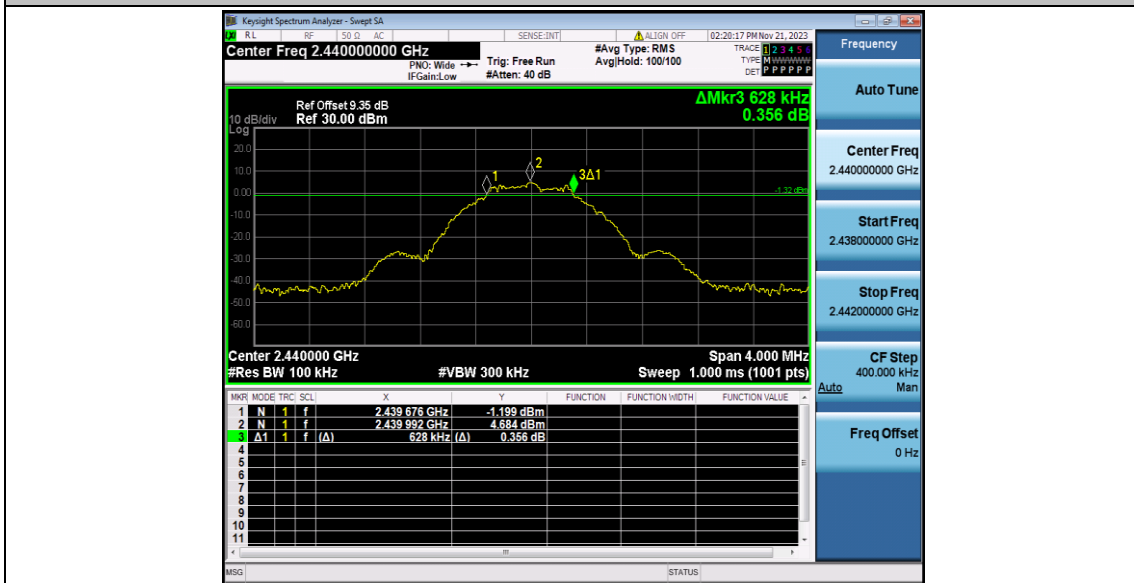
Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	0.616	2401.692	2402.308	0.5	PASS
		2440	0.628	2439.676	2440.304	0.5	PASS
		2480	0.652	2479.664	2480.316	0.5	PASS

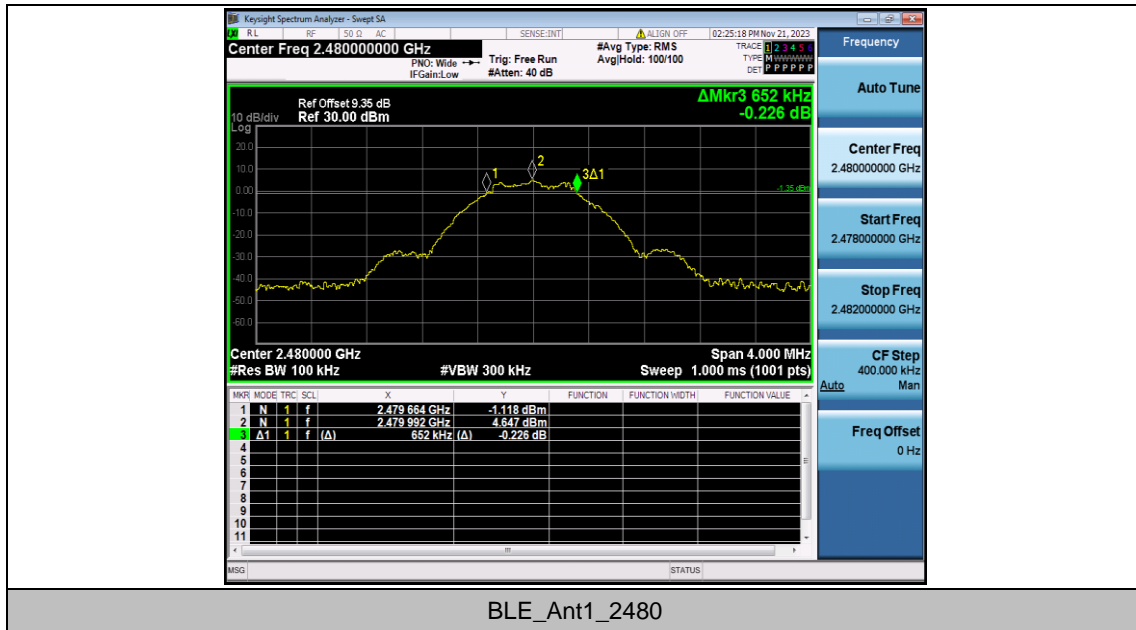
Test Graphs



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	1.0455	2401.483	2402.529	---	---
		2440	1.0357	2439.487	2440.522	---	---
		2480	1.0315	2479.491	2480.522	---	---

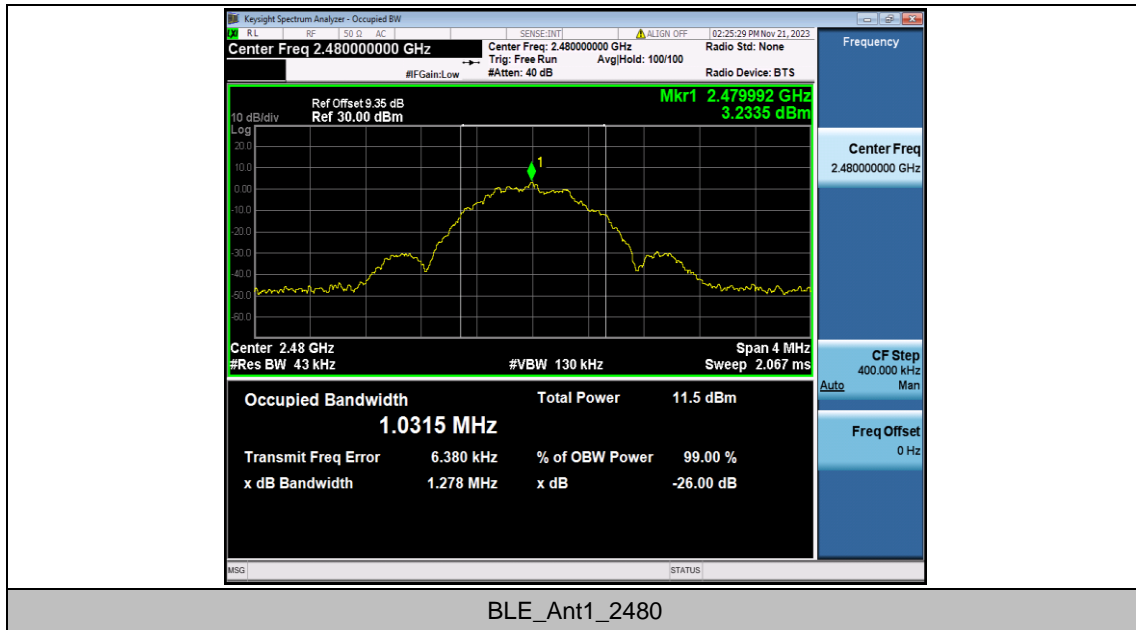
Test Graphs



BLE_Ant1_2402



BLE_Ant1_2440



Appendix B.3: Maximum conducted output power

Test Result Peak

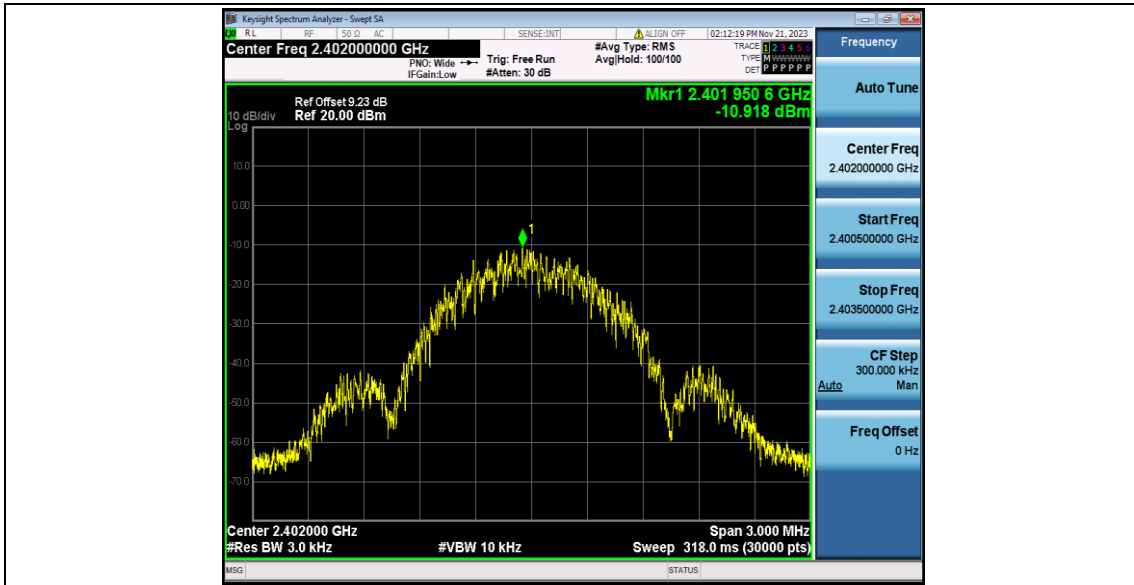
Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE	Ant1	2402	4.25	≤30	PASS
		2440	4.89	≤30	PASS
		2480	4.89	≤30	PASS

Appendix B.4: Maximum power spectral density

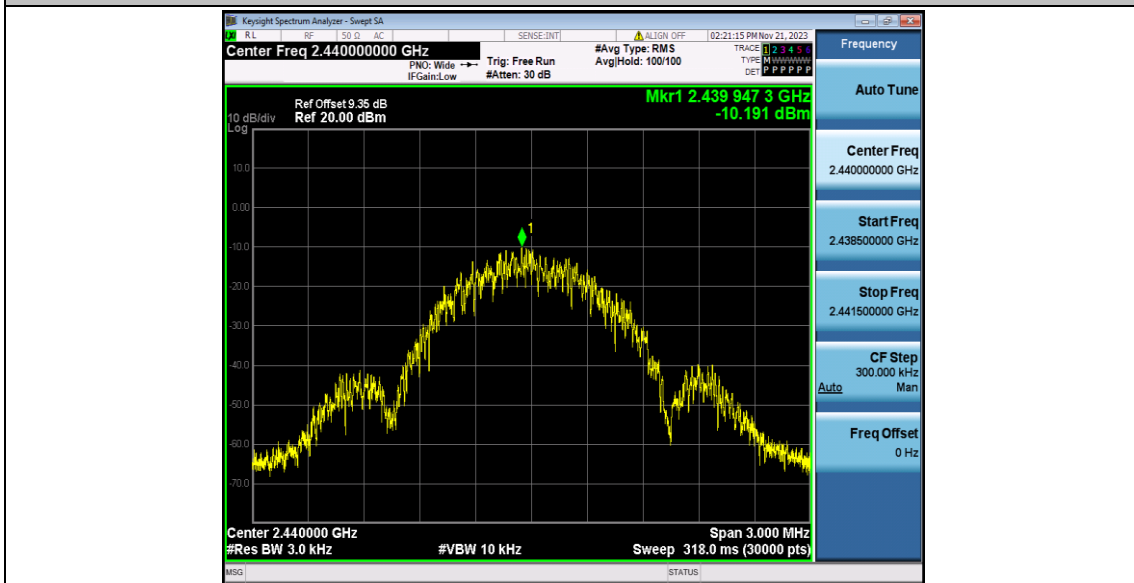
Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-10.92	≤8.00	PASS
		2440	-10.19	≤8.00	PASS
		2480	-10.05	≤8.00	PASS

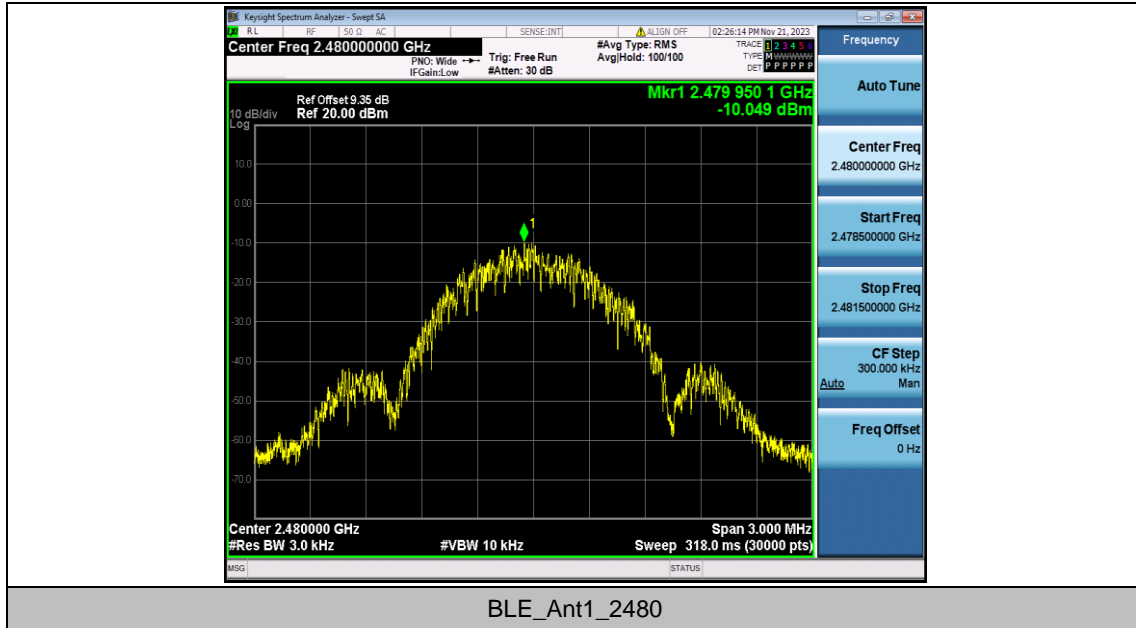
Test Graphs



BLE_Ant1_2402



BLE_Ant1_2440

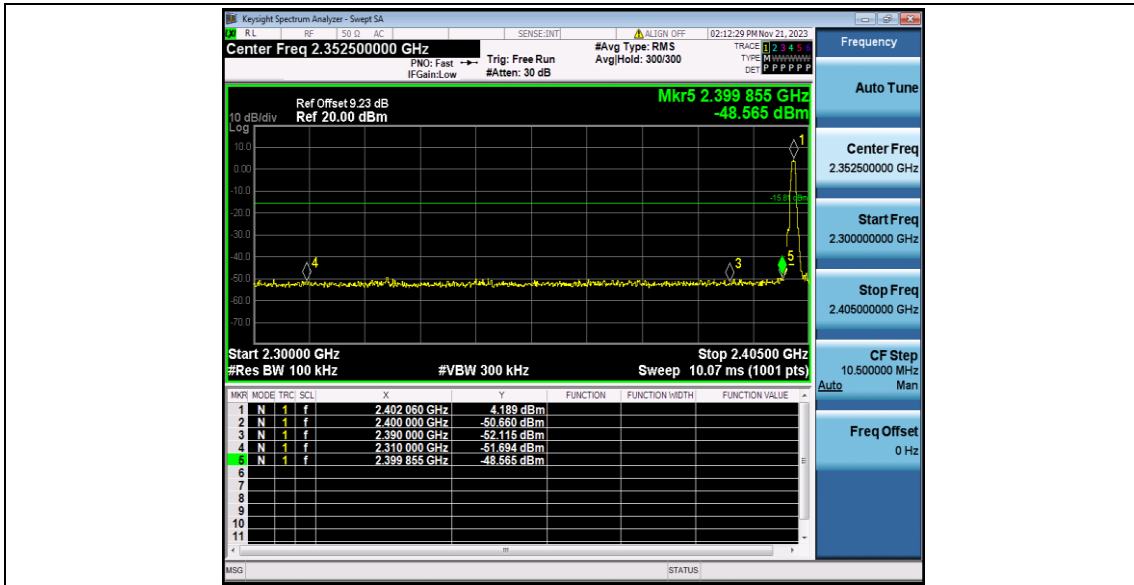


Appendix B.5: Band edge measurements

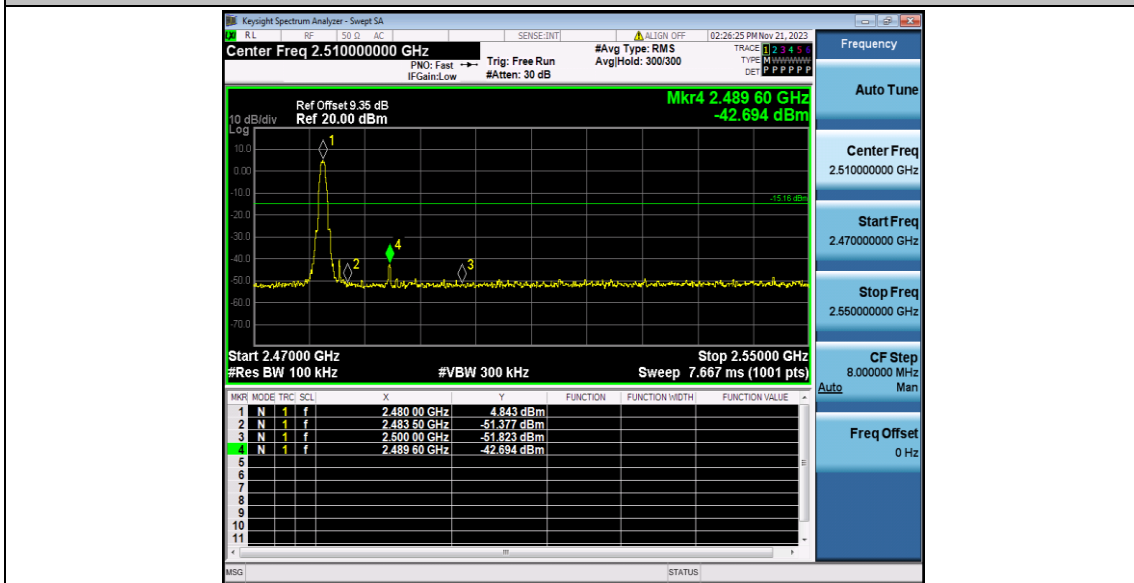
Test Result

Test Mode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	4.19	-48.57	≤-15.81	PASS
		High	2480	4.84	-42.69	≤-15.16	PASS

Test Graphs



BLE_Ant1_Low_2402



BLE_Ant1_High_2480

Appendix B.6: Conducted Spurious Emission

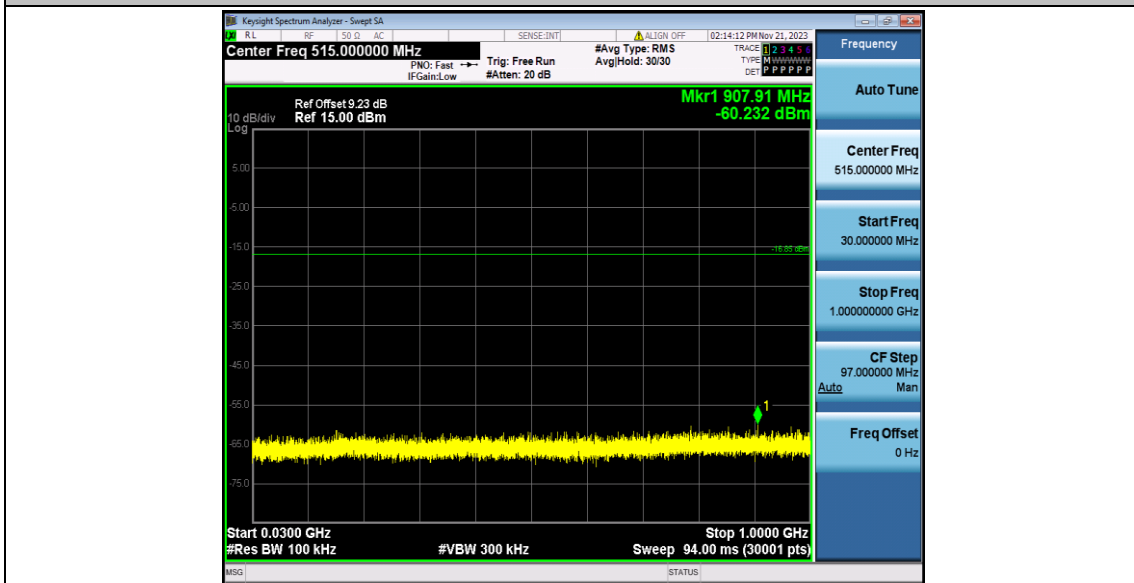
Test Result

Test Mode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	3.15	3.15	---	PASS
			30~1000	3.15	-60.23	≤ -16.85	PASS
			1000~26500	3.15	-47.67	≤ -16.85	PASS
		2440	Reference	4.63	4.63	---	PASS
			30~1000	4.63	-59.24	≤ -15.37	PASS
			1000~26500	4.63	-47.73	≤ -15.37	PASS
		2480	Reference	3.92	3.92	---	PASS
			30~1000	3.92	-60.12	≤ -16.08	PASS
			1000~26500	3.92	-48.02	≤ -16.08	PASS

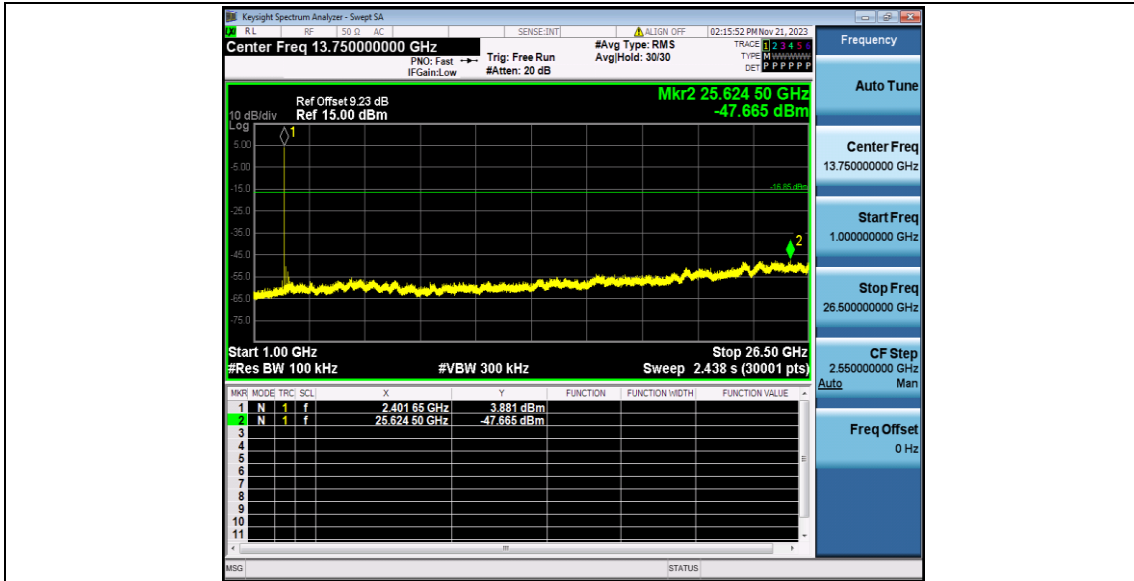
Test Graphs



BLE_Ant1_2402_0~Reference



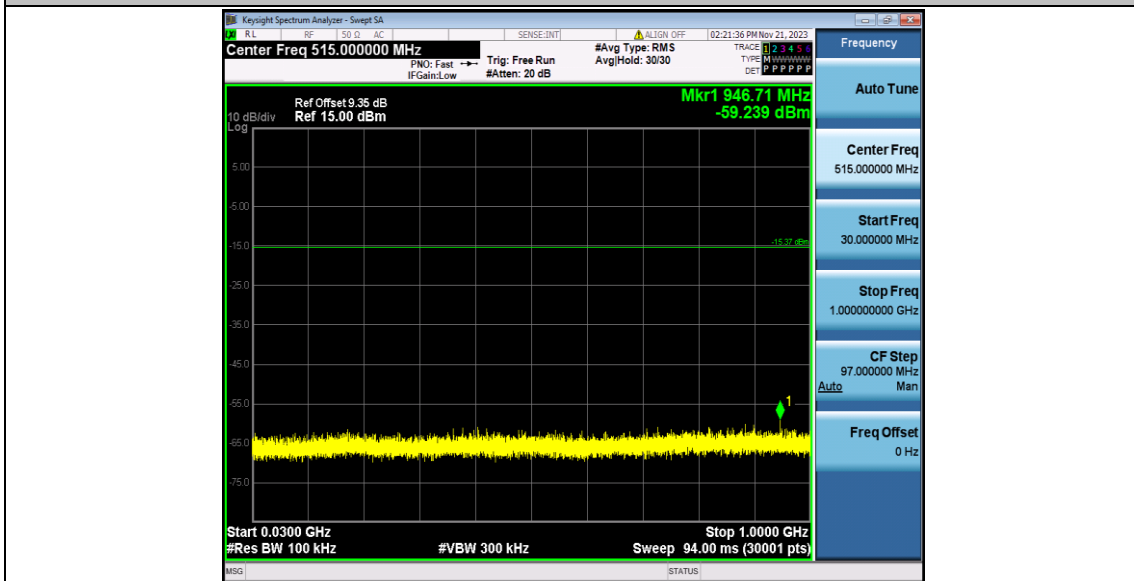
BLE_Ant1_2402_30~1000



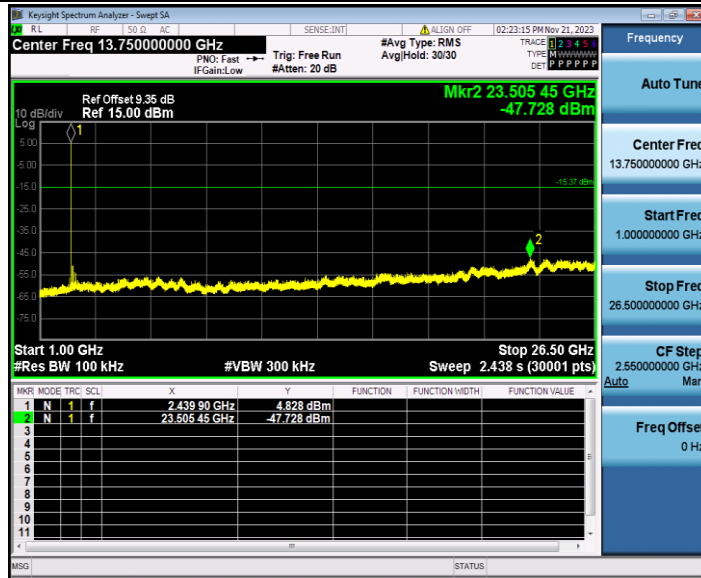
BLE_Ant1_2402_1000~26500



BLE_Ant1_2440_0~Reference



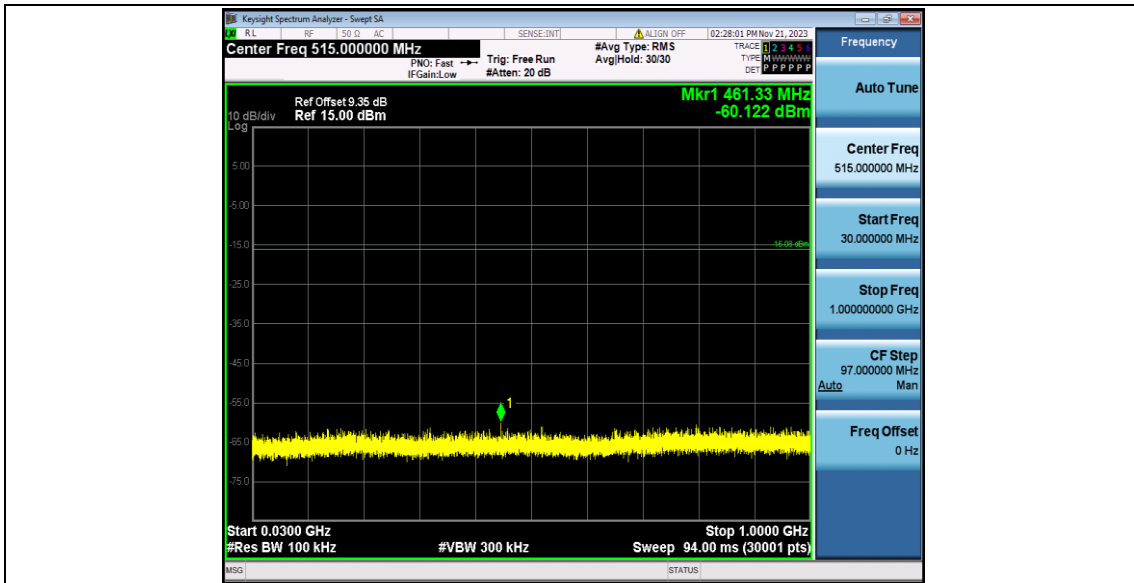
BLE_Ant1_2440_30~1000



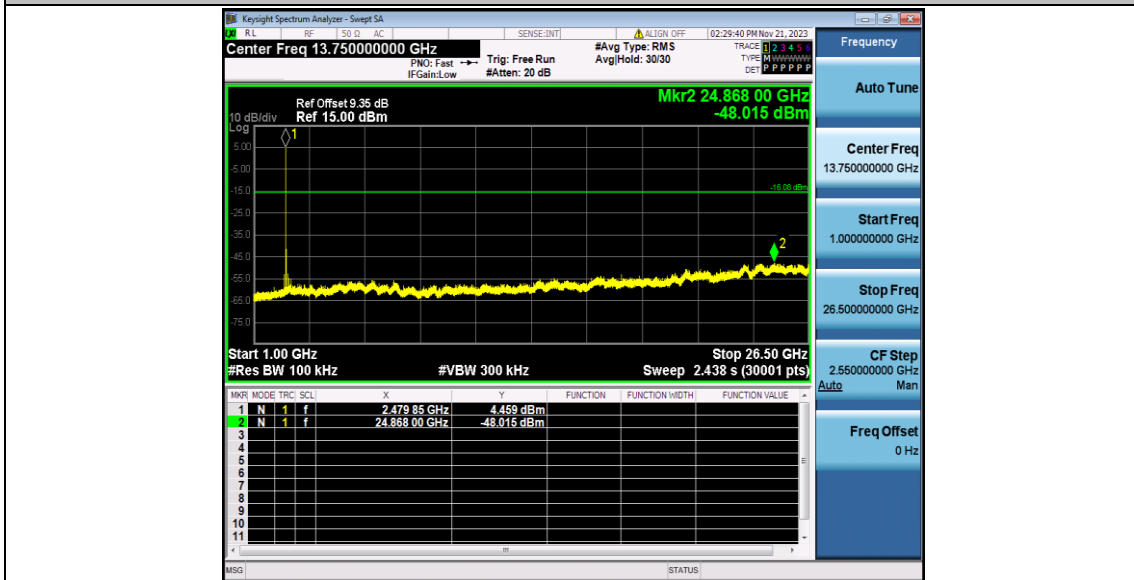
BLE_Ant1_2440_1000~26500



BLE_Ant1_2480_0~Reference



BLE_Ant1_2480_30~1000



BLE_Ant1_2480_1000~26500