

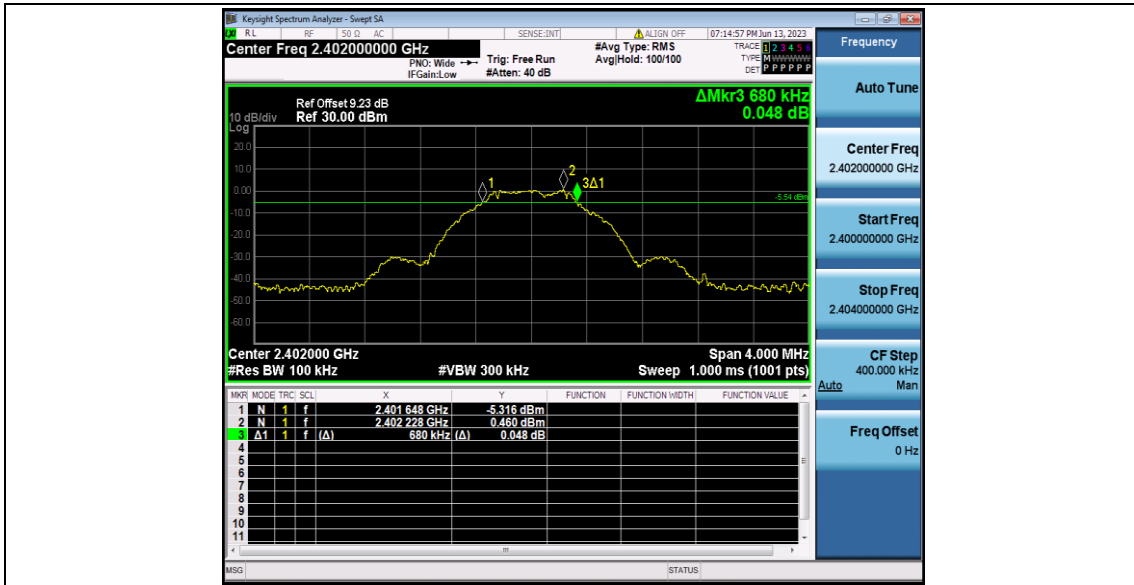
Case No. : <u>GTS20230525016-1-9</u>
Ambient Condition: <u>23</u> °C, <u>49</u> %RH, Atmos100.1Kpa,
Test Date: <u>2023.6.12</u> Test Engineer: <u>Jenny zeng</u>

Appendix B.1: DTS Bandwidth

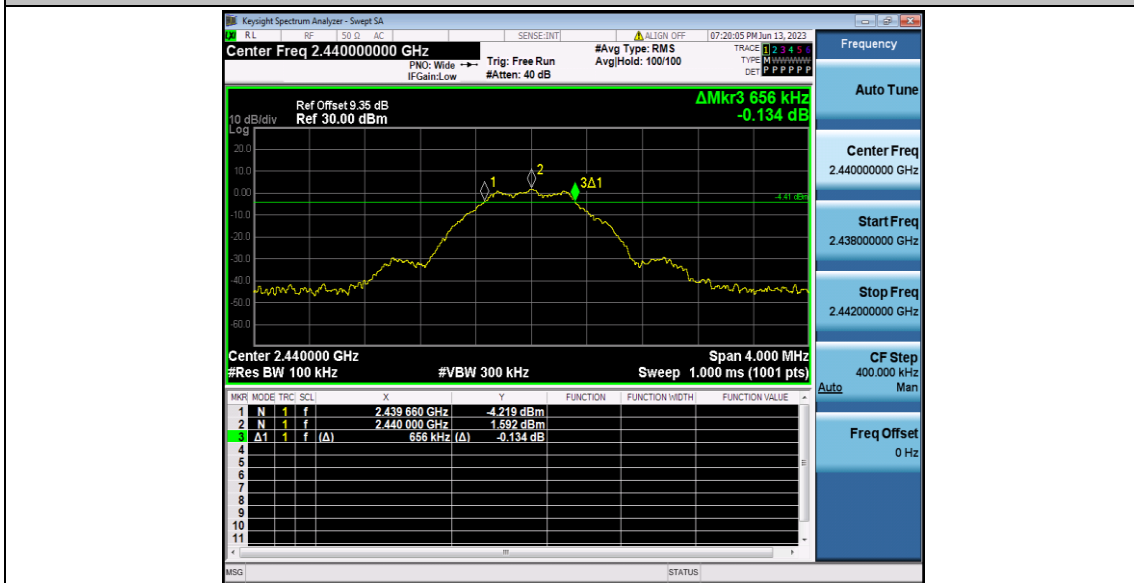
Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	0.680	2401.648	2402.328	0.5	PASS
		2440	0.656	2439.660	2440.316	0.5	PASS
		2480	0.652	2479.672	2480.324	0.5	PASS

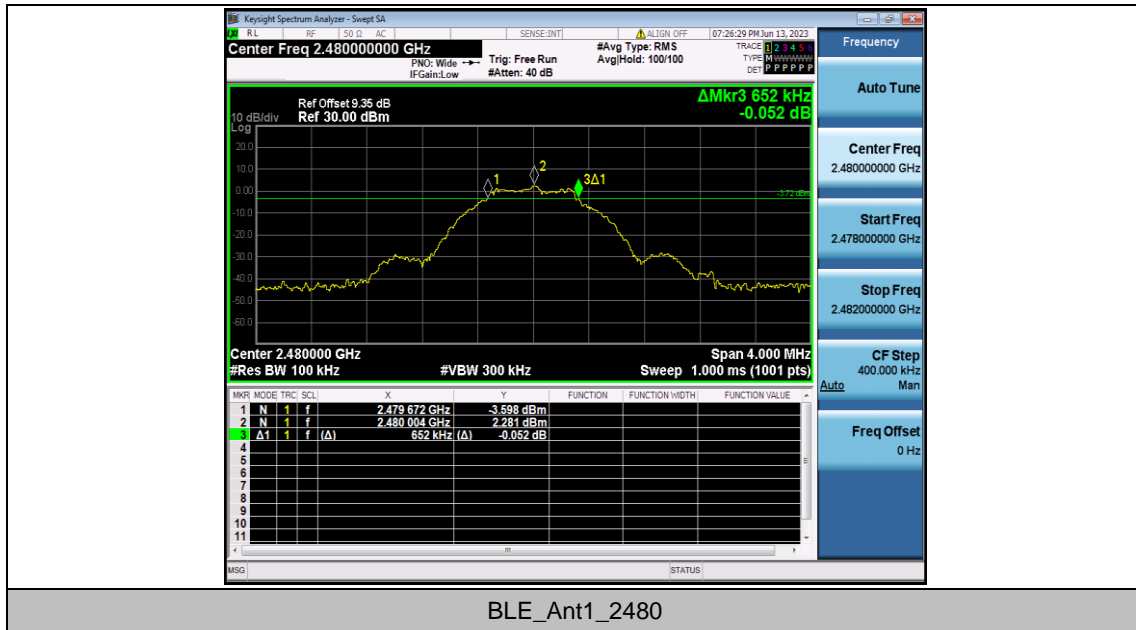
Test Graphs



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	1.0338	2401.489	2402.523	---	---
		2440	1.0327	2439.490	2440.522	---	---
		2480	1.0392	2479.485	2480.524	---	---

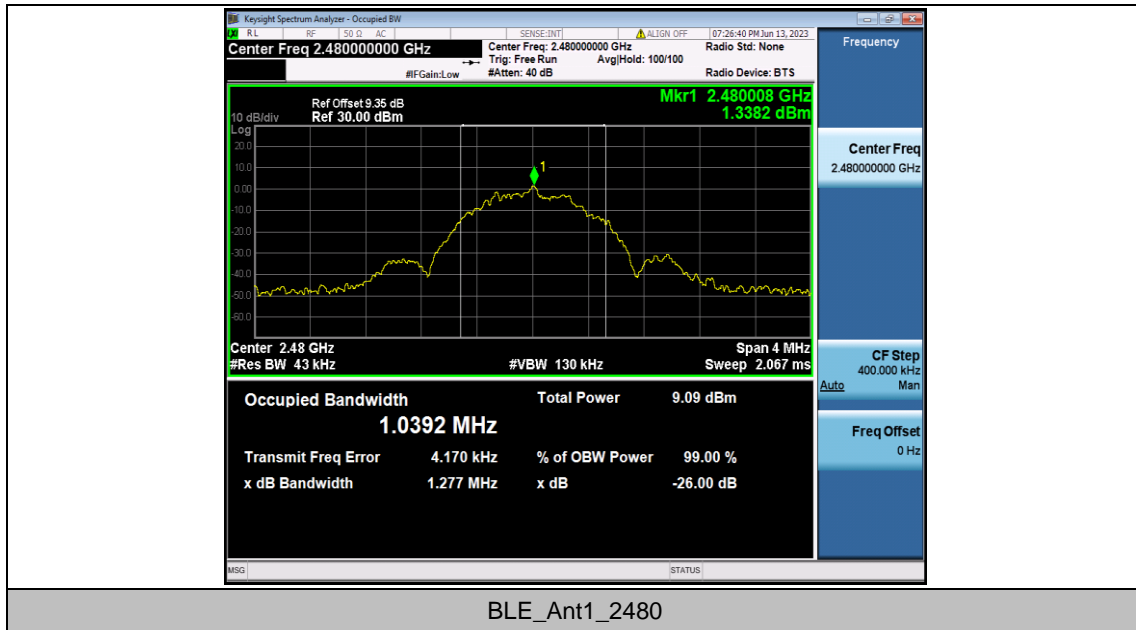
Test Graphs



BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480

Appendix B.3: Maximum conducted output power

Test Result Peak

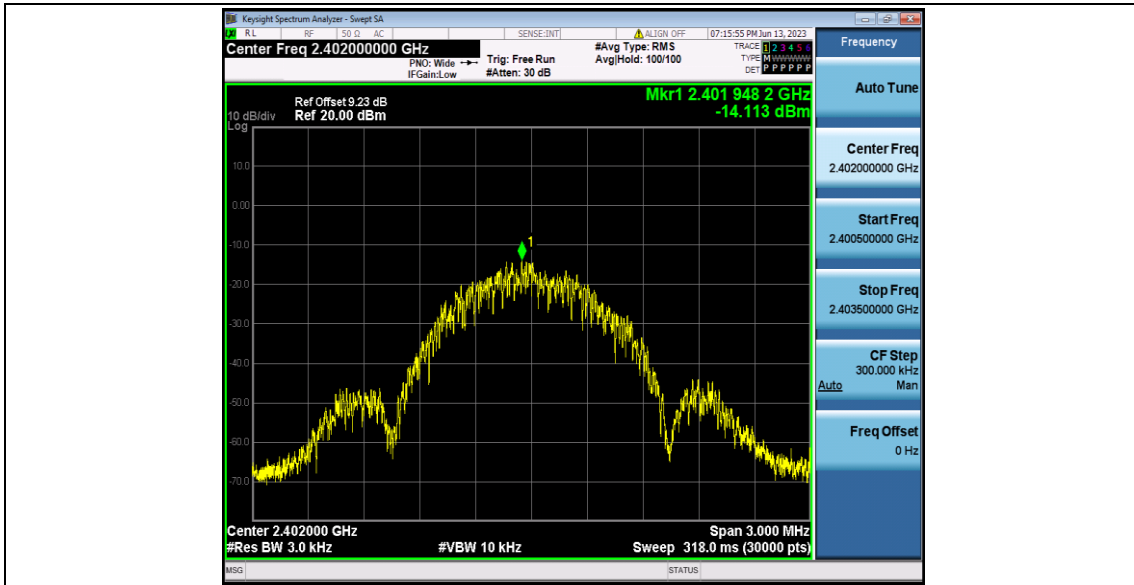
Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE	Ant1	2402	1.53	≤30	PASS
		2440	1.84	≤30	PASS
		2480	2.5	≤30	PASS

Appendix B.4: Maximum power spectral density

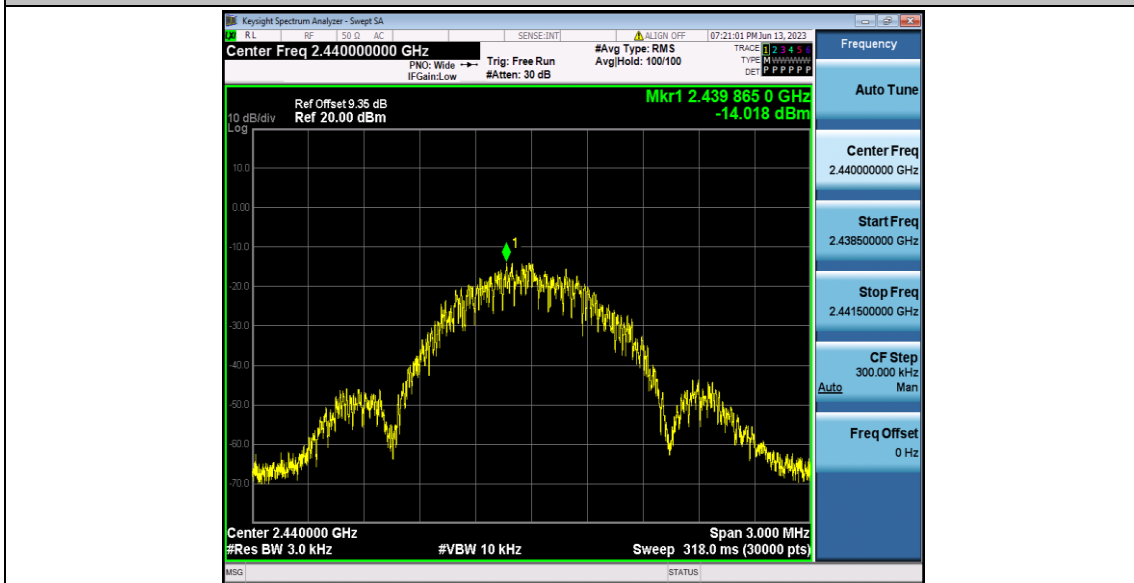
Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-14.11	≤8.00	PASS
		2440	-14.02	≤8.00	PASS
		2480	-13.24	≤8.00	PASS

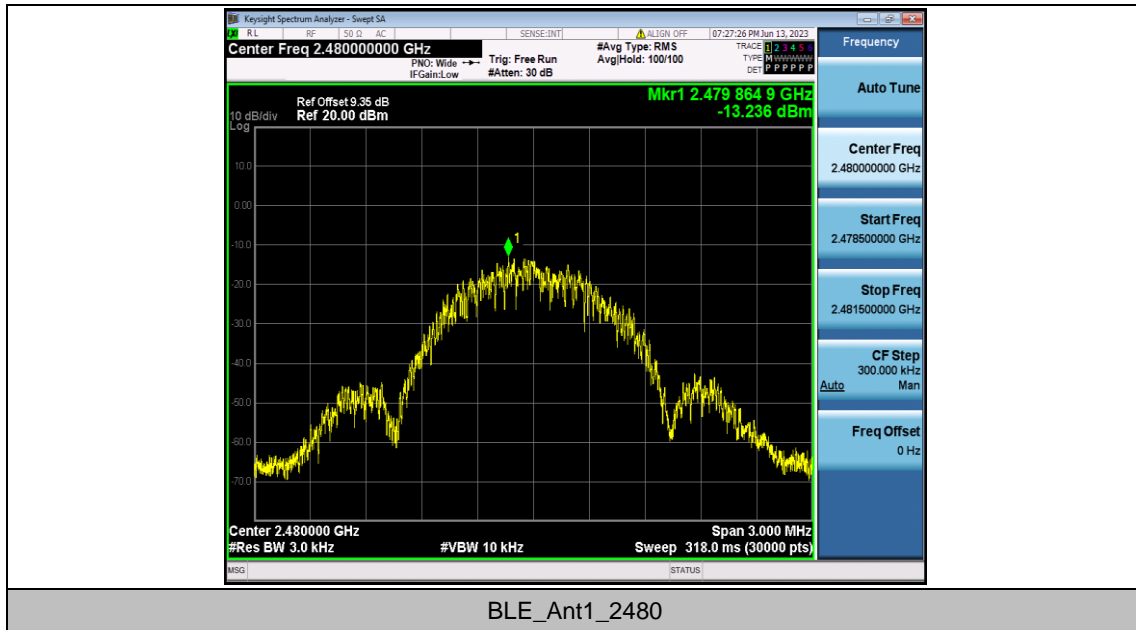
Test Graphs



BLE_Ant1_2402



BLE_Ant1_2440

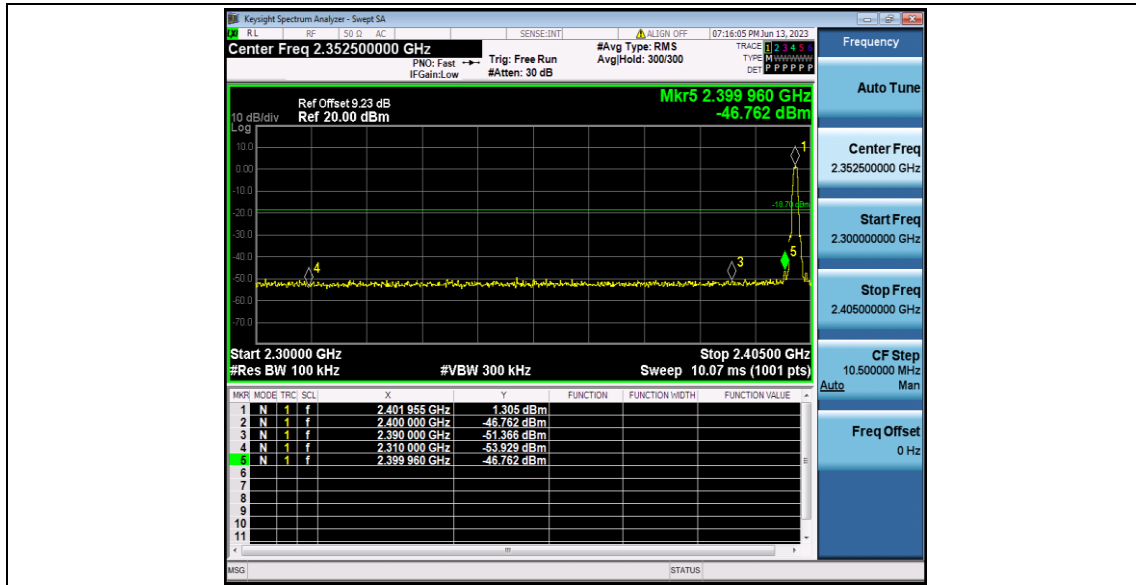


Appendix B.5: Band edge measurements

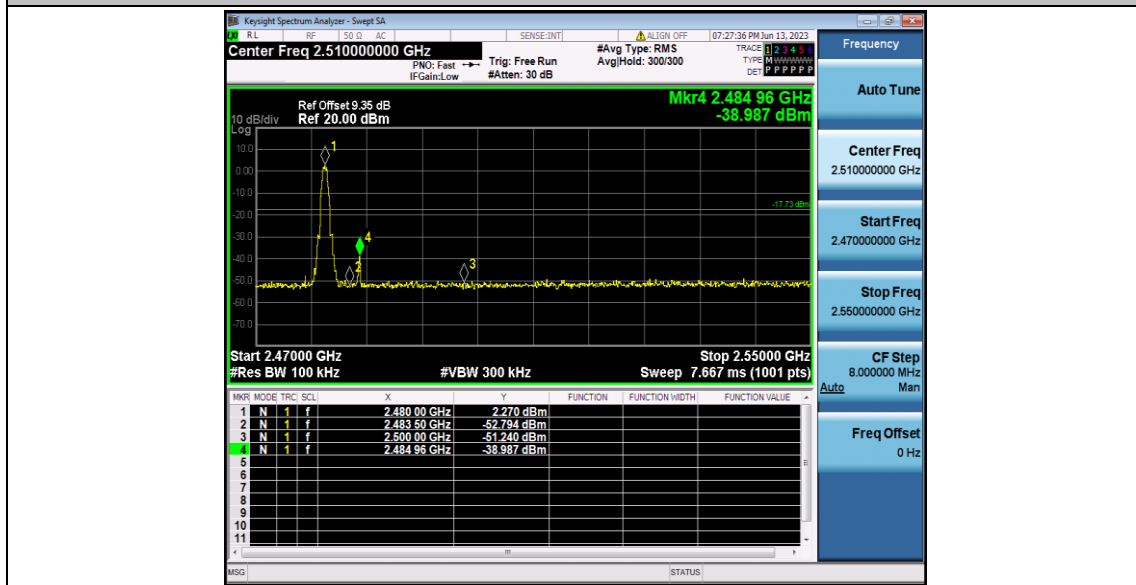
Test Result

Test Mode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	1.31	-46.76	≤ -18.7	PASS
		High	2480	2.27	-38.99	≤ -17.73	PASS

Test Graphs



BLE_Ant1_Low_2402



BLE_Ant1_High_2480

Appendix B.6: Conducted Spurious Emission

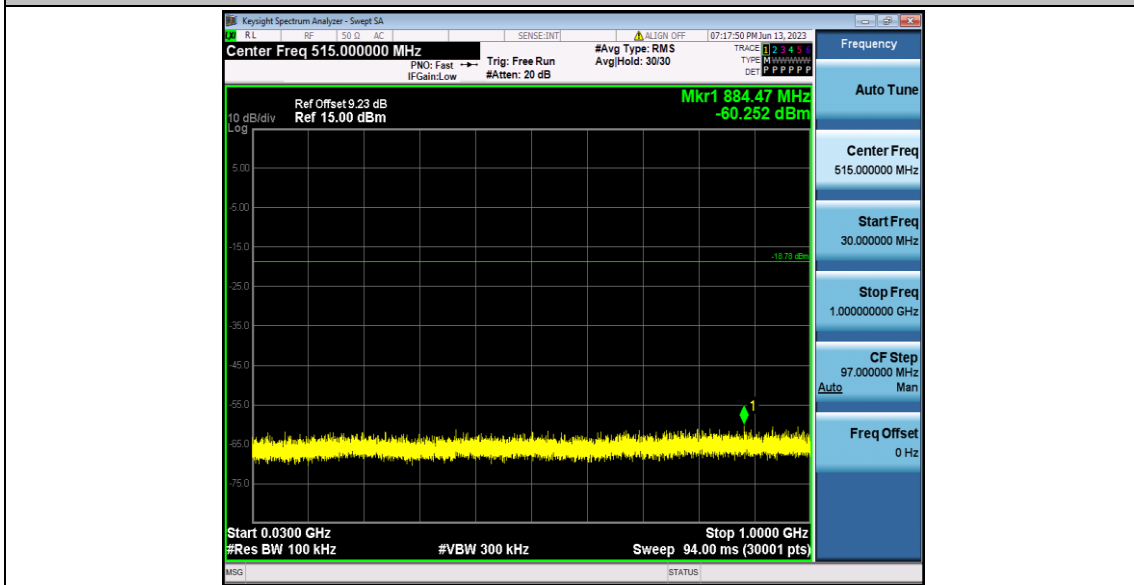
Test Result

Test Mode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	1.22	1.22	---	PASS
			30~1000	1.22	-60.25	≤ -18.78	PASS
			1000~26500	1.22	-47.33	≤ -18.78	PASS
		2440	Reference	1.15	1.15	---	PASS
			30~1000	1.15	-60.58	≤ -18.85	PASS
			1000~26500	1.15	-47.76	≤ -18.85	PASS
		2480	Reference	1.42	1.42	---	PASS
			30~1000	1.42	-60.27	≤ -18.58	PASS
			1000~26500	1.42	-47.03	≤ -18.58	PASS

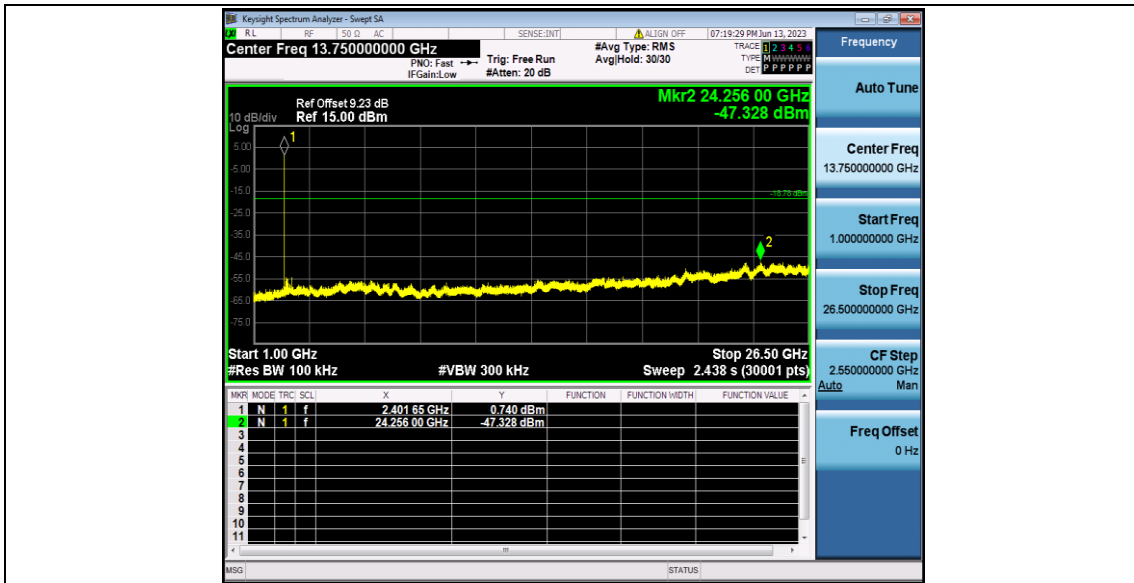
Test Graphs



BLE_Ant1_2402_0~Reference



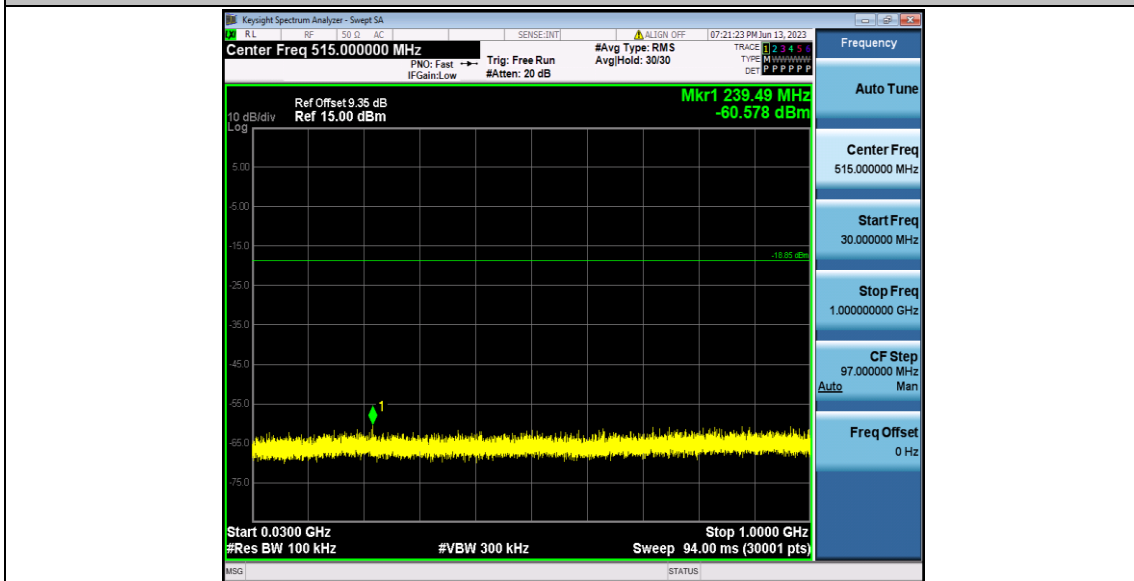
BLE_Ant1_2402_30~1000



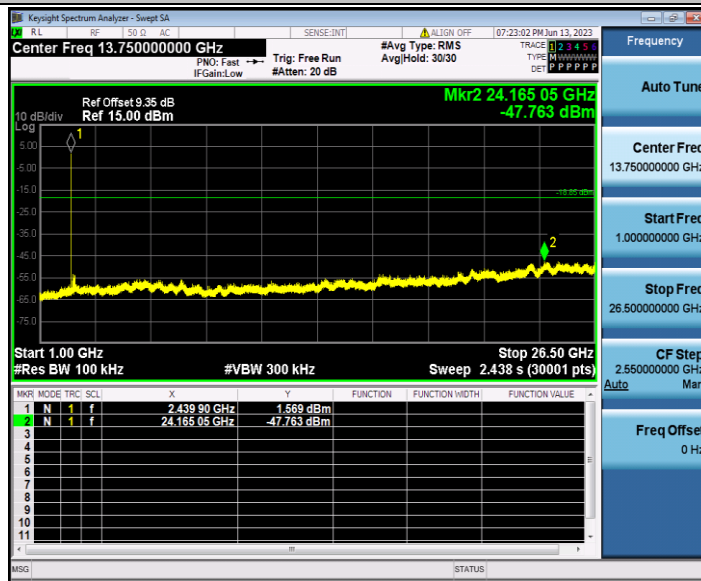
BLE_Ant1_2402_1000~26500



BLE_Ant1_2440_0~Reference



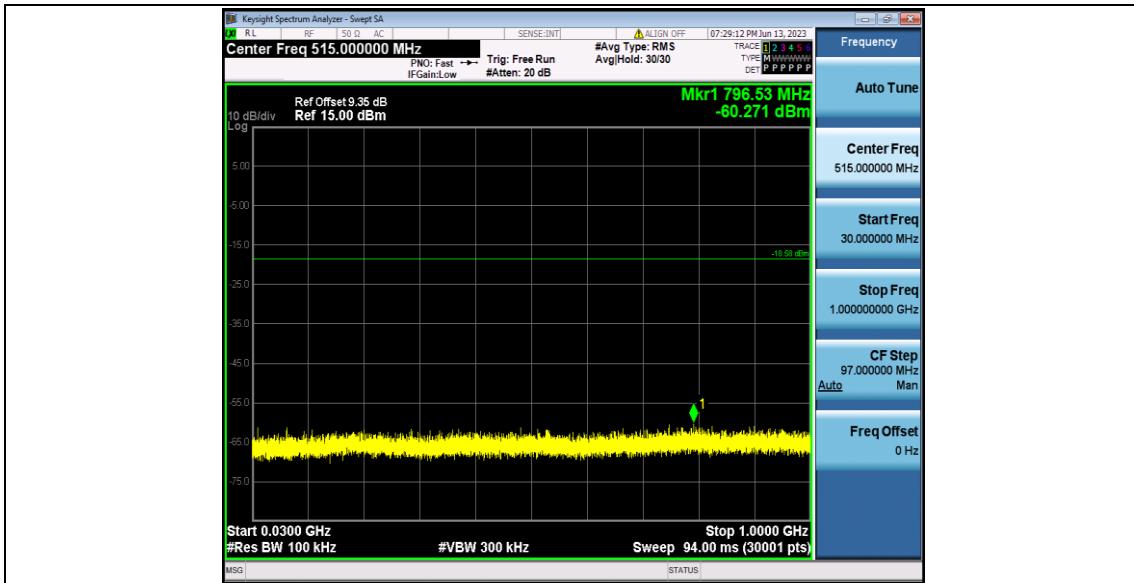
BLE_Ant1_2440_30~1000



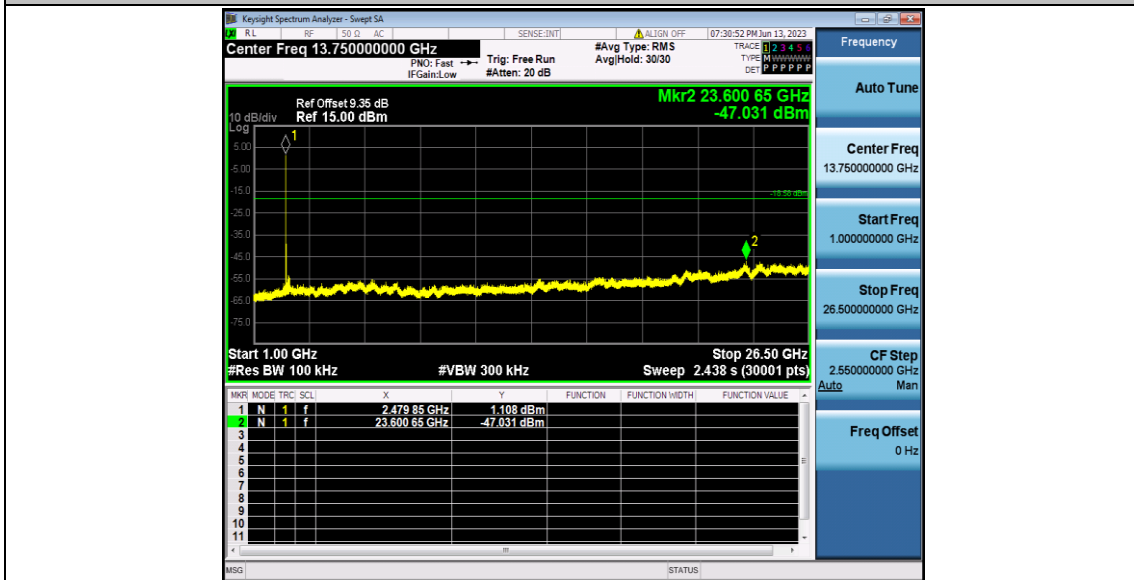
BLE_Ant1_2440_1000~26500



BLE_Ant1_2480_0~Reference



BLE_Ant1_2480_30~1000



BLE_Ant1_2480_1000~26500