

Case No. : <u>GTS20230629015-1-11</u>
Ambient Condition: <u>23</u> °C, <u>49</u> %RH, Atmos100.1Kpa,
Test Date: <u>2023.7.14</u> Test Engineer: <u>Evan Ouyang</u>

Appendix B.1: DTS Bandwidth

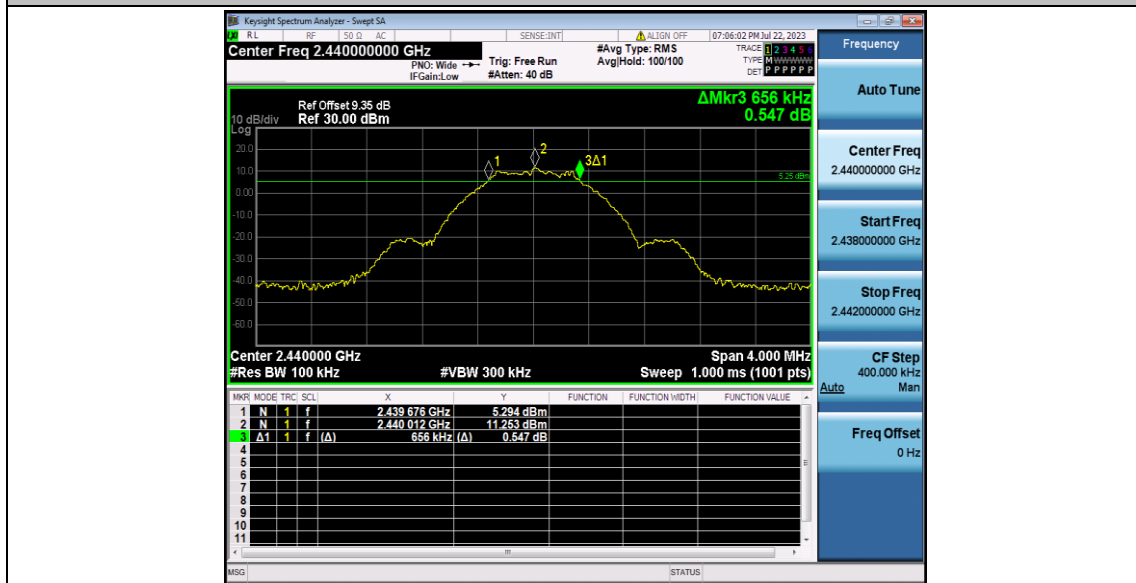
Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant0	2402	0.656	2401.680	2402.336	0.5	PASS
		2440	0.656	2439.676	2440.332	0.5	PASS
		2480	0.660	2479.676	2480.336	0.5	PASS

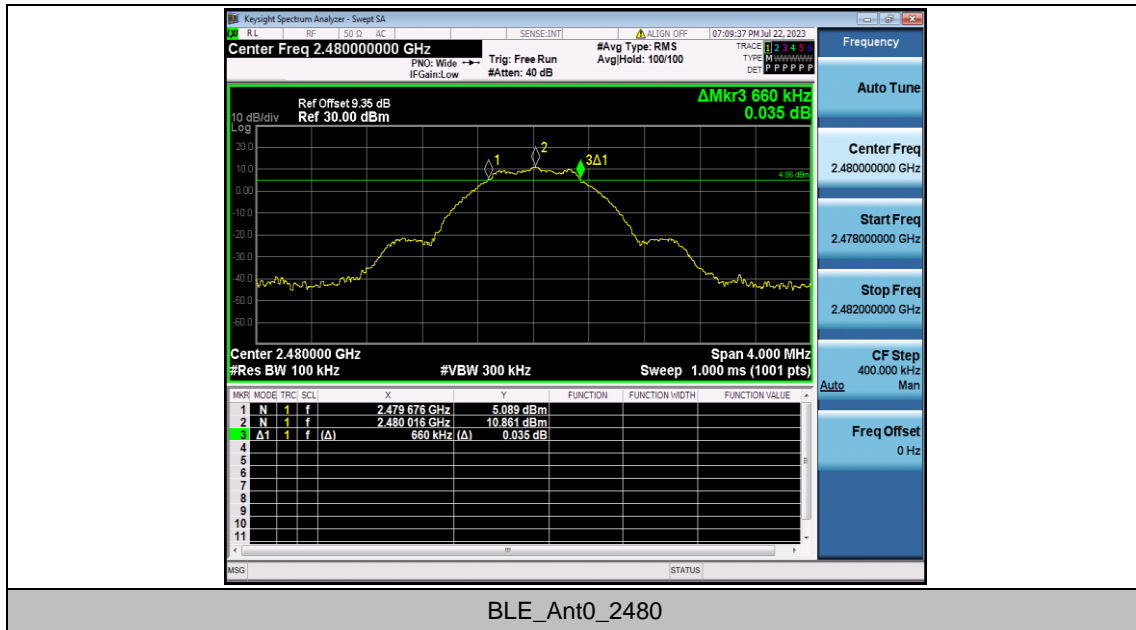
Test Graphs



BLE_Ant0_2402



BLE_Ant0_2440



Appendix B.2: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant0	2402	1.0260	2401.502	2402.528	---	---
		2440	1.0258	2439.504	2440.530	---	---
		2480	1.0330	2479.497	2480.530	---	---

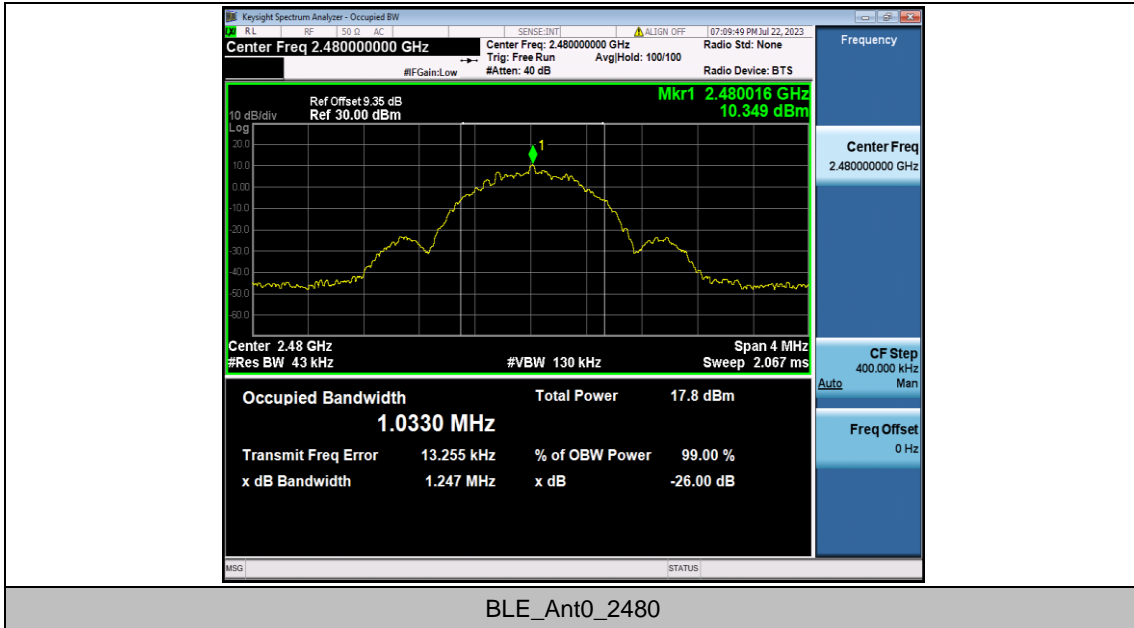
Test Graphs



BLE_Ant0_2402



BLE_Ant0_2440



Appendix B.3: Maximum conducted output power

Test Result Peak

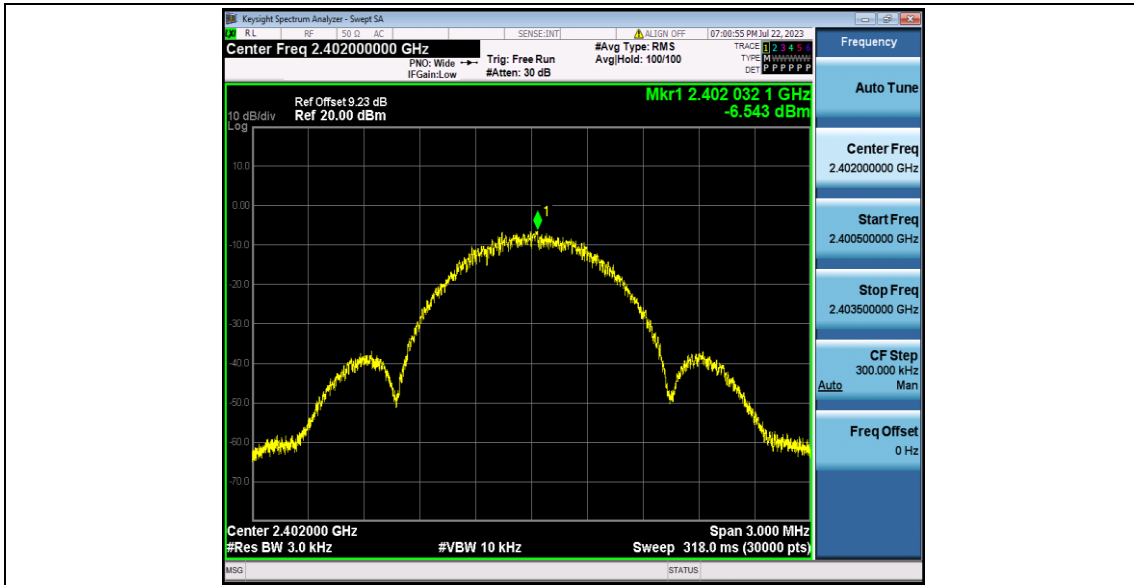
Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE	Ant0	2402	9.94	≤30	PASS
		2440	11.28	≤30	PASS
		2480	10.95	≤30	PASS

Appendix B.4: Maximum power spectral density

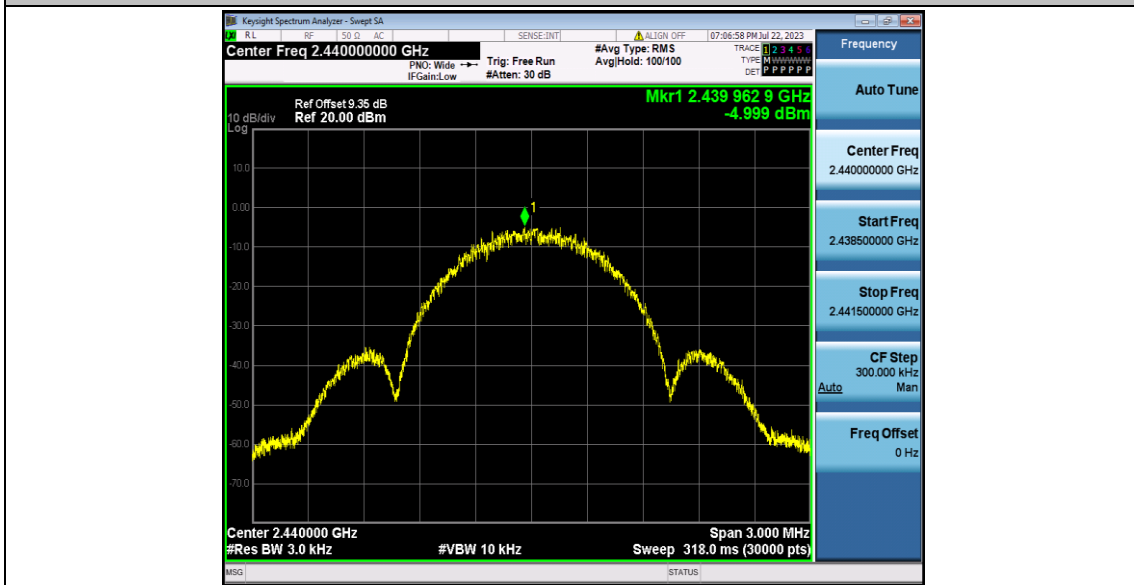
Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant0	2402	-6.54	≤8.00	PASS
		2440	-5	≤8.00	PASS
		2480	-5.05	≤8.00	PASS

Test Graphs



BLE_Ant0_2402



BLE_Ant0_2440

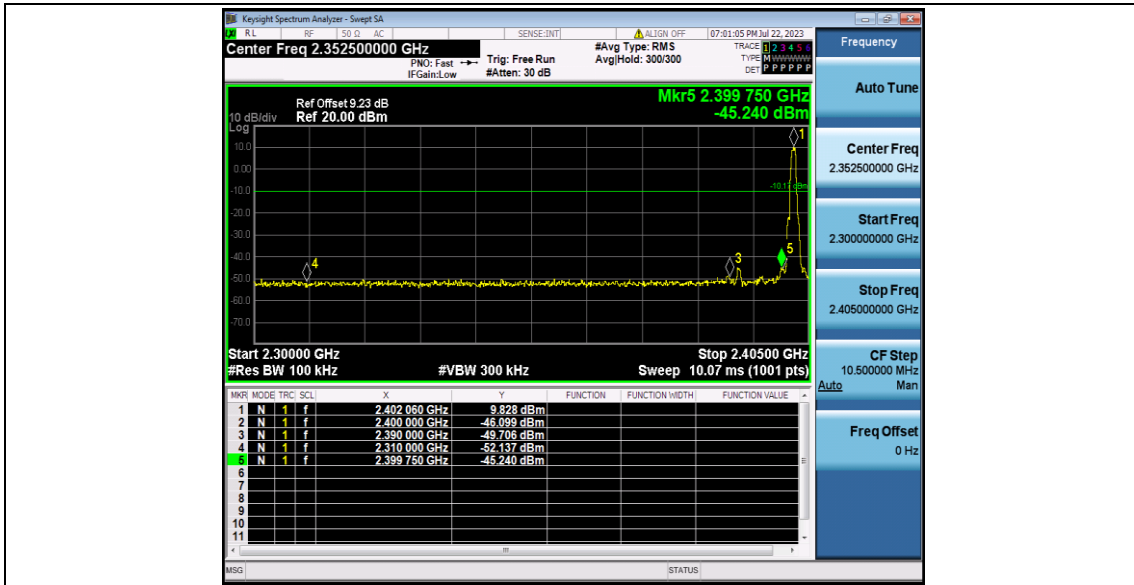


Appendix B.5: Band edge measurements

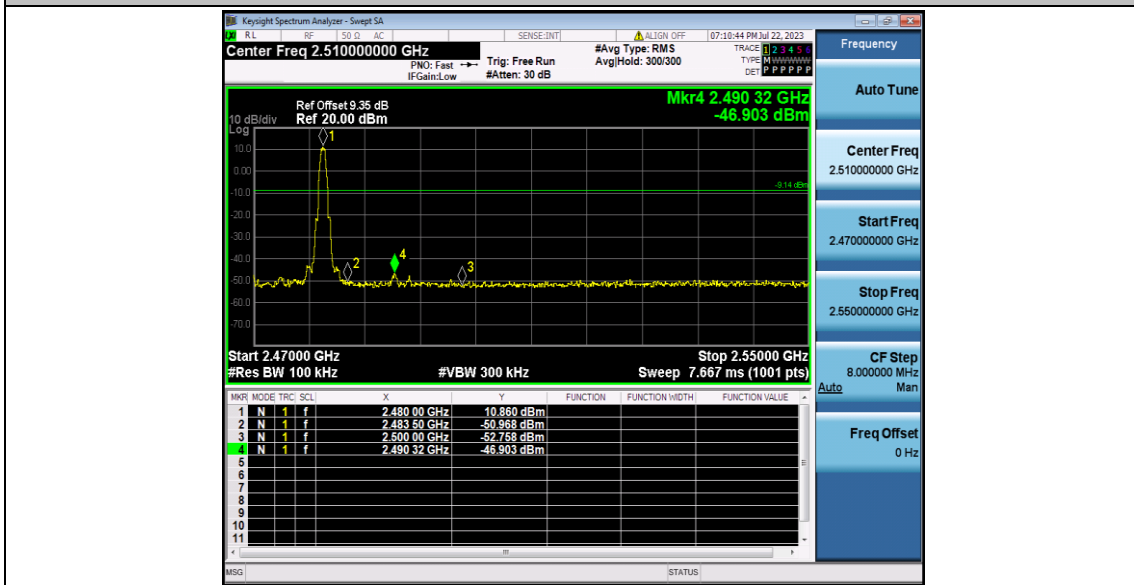
Test Result

Test Mode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant0	Low	2402	9.83	-45.24	≤-10.17	PASS
		High	2480	10.86	-46.9	≤-9.14	PASS

Test Graphs



BLE_Ant0_Low_2402



BLE_Ant0_High_2480

Appendix B.6: Conducted Spurious Emission

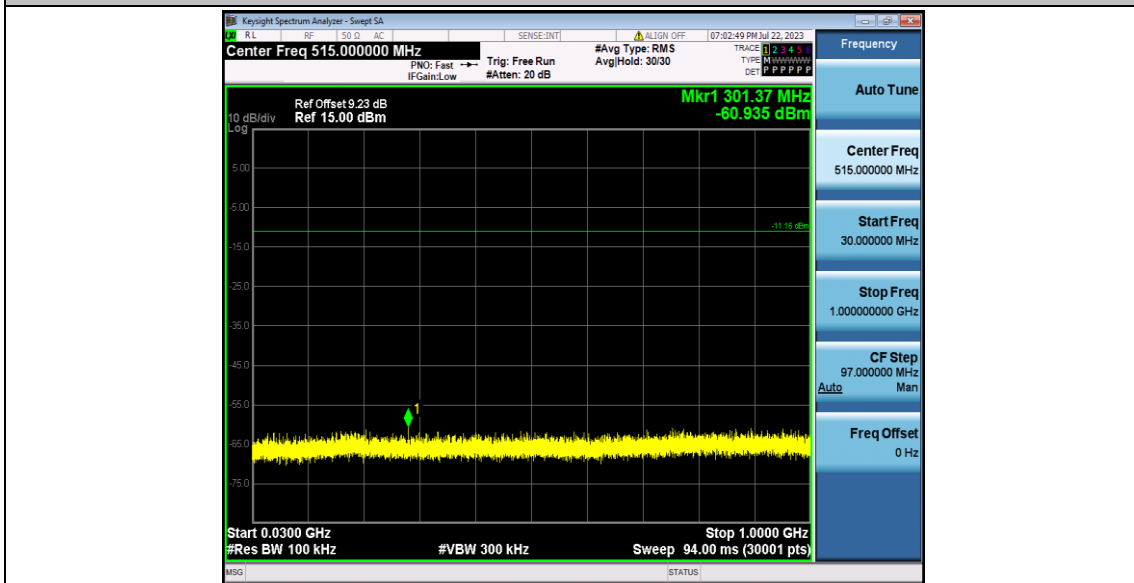
Test Result

Test Mode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant0	2402	Reference	8.84	8.84	---	PASS
			30~1000	8.84	-60.94	≤ -11.16	PASS
			1000~26500	8.84	-46.68	≤ -11.16	PASS
		2440	Reference	10.19	10.19	---	PASS
			30~1000	10.19	-60.39	≤ -9.81	PASS
			1000~26500	10.19	-47.63	≤ -9.81	PASS
		2480	Reference	9.85	9.85	---	PASS
			30~1000	9.85	-59.94	≤ -10.15	PASS
			1000~26500	9.85	-47.44	≤ -10.15	PASS

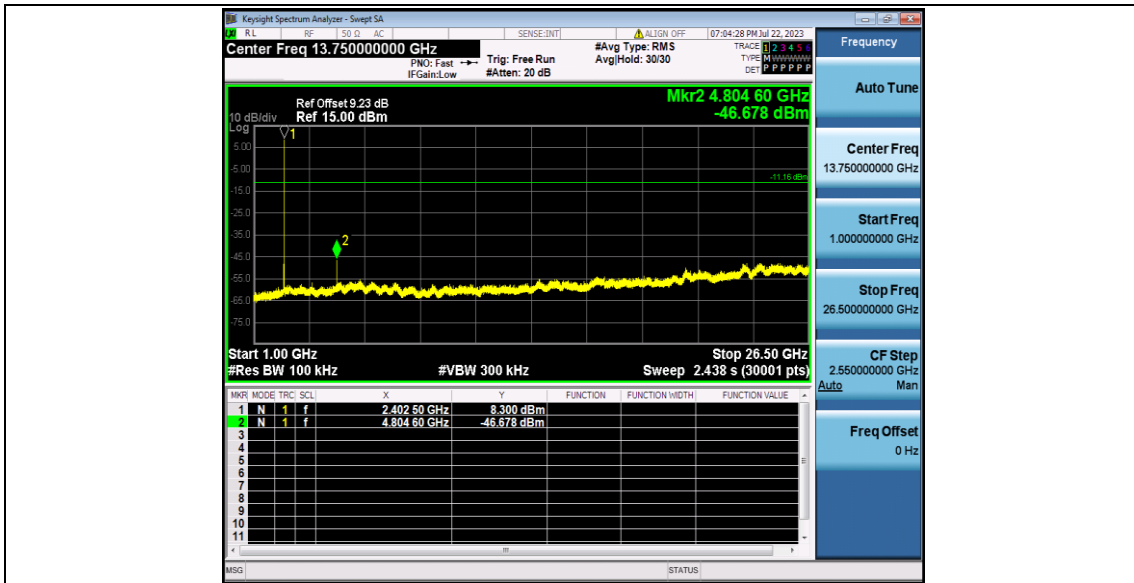
Test Graphs



BLE_Ant0_2402_0~Reference



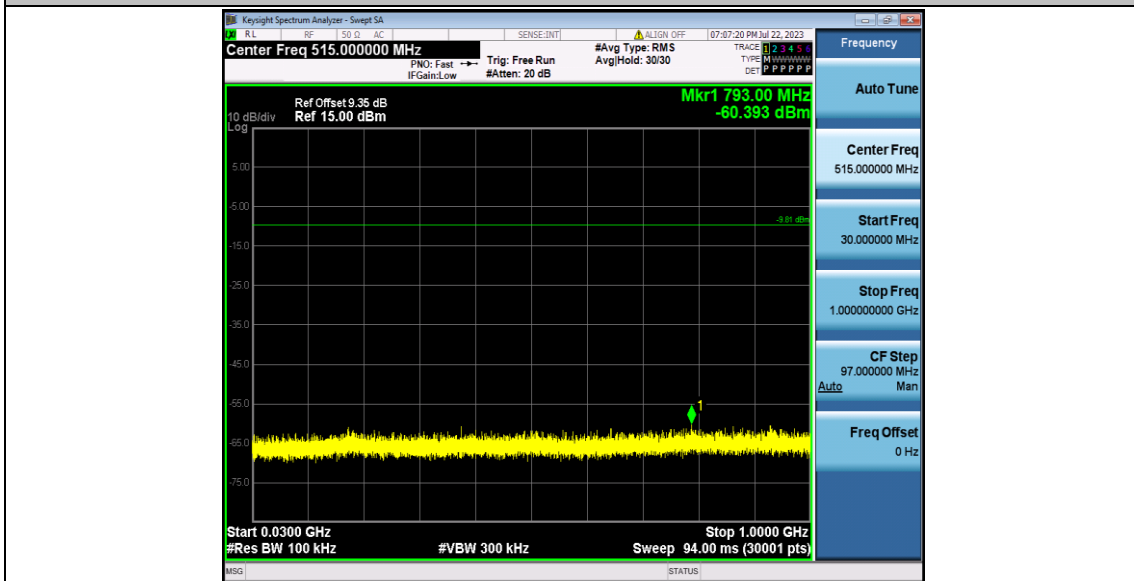
BLE_Ant0_2402_30~1000



BLE_Ant0_2402_1000~26500



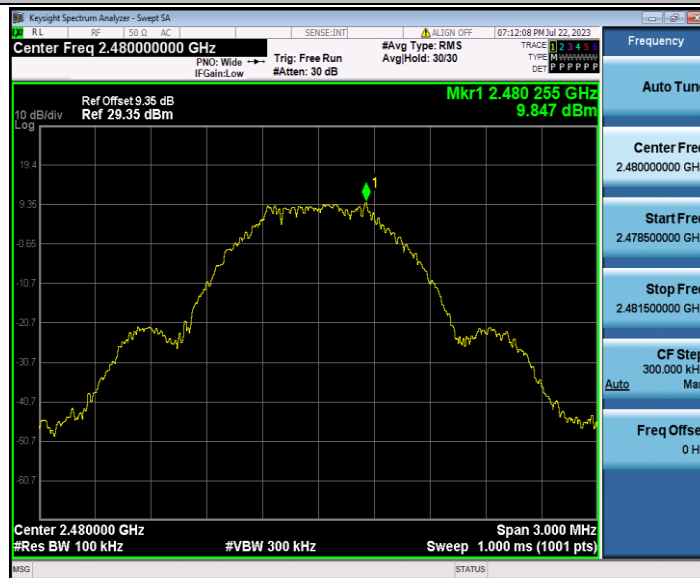
BLE_Ant0_2440_0~Reference



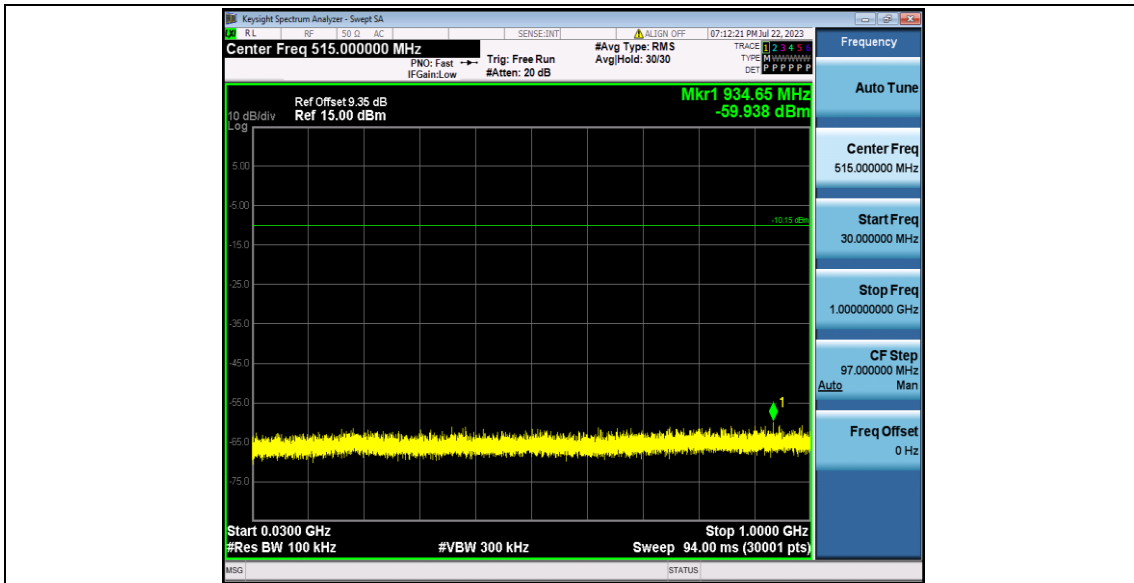
BLE_Ant0_2440_30~1000



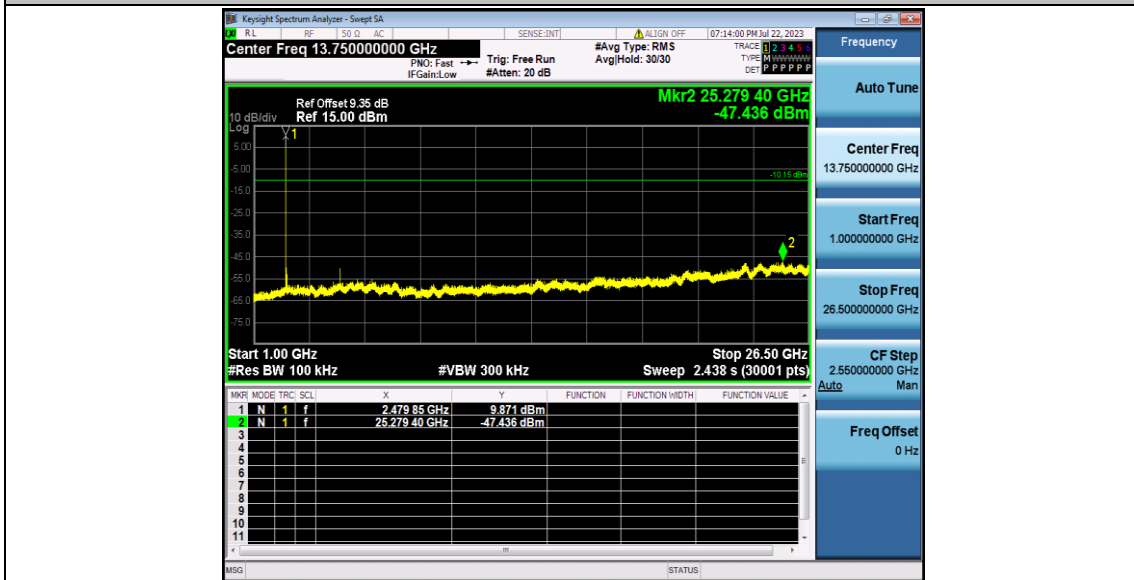
BLE_Ant0_2440_1000~26500



BLE_Ant0_2480_0~Reference



BLE_Ant0_2480_30~1000



BLE_Ant0_2480_1000~26500