

Case No. : <u>GTS20241129021-2-03</u>	
Ambient Condition: <u>22</u> °C, <u>52</u> %RH	
According Standard: ■Part15C	
Test Date: <u>2025.3.6</u>	Test Engineer: <u>Evan ouyang</u>

Appendix B.1: DTS Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	0.640	2401.672	2402.312	0.5	PASS
		2440	0.676	2439.664	2440.340	0.5	PASS
		2480	0.652	2479.672	2480.324	0.5	PASS

Test Graphs



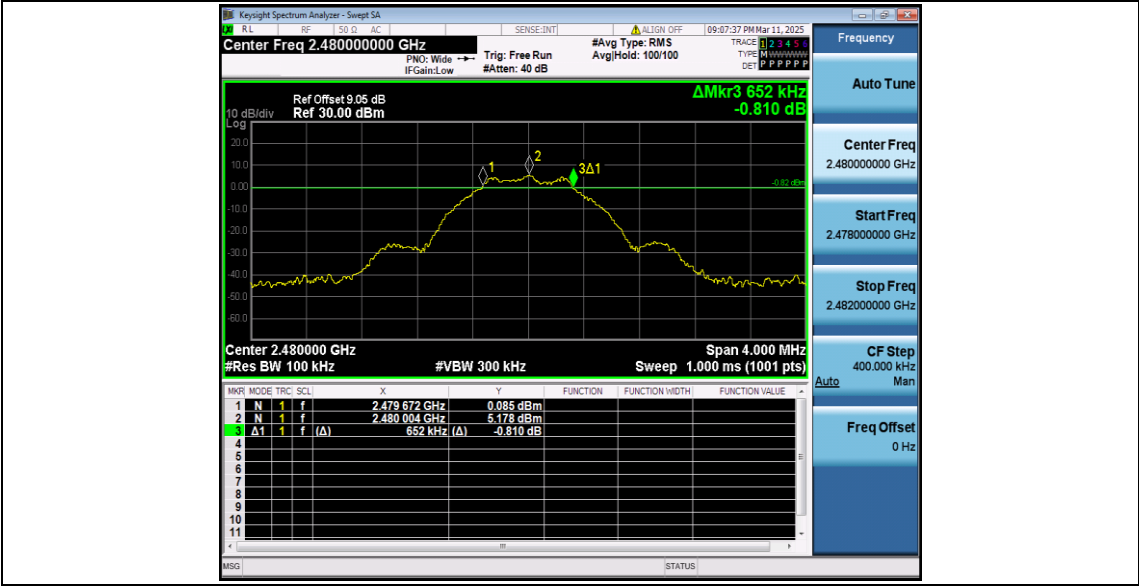
BLE_Ant1_2440

Frequency

Auto Tune

Center Freq
2.440000000 GHzStart Freq
2.438000000 GHzStop Freq
2.442000000 GHzCF Step
400.000 kHz
Auto ManFreq Offset
0 Hz

BLE_Ant1_2480



Appendix B.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	1.0473	2401.4803	2402.5276	---	---
		2440	1.0390	2439.4852	2440.5242	---	---
		2480	1.0506	2479.4783	2480.5289	---	---

Test Graphs





Appendix B.3: Maximum conducted output power

Test Result Peak

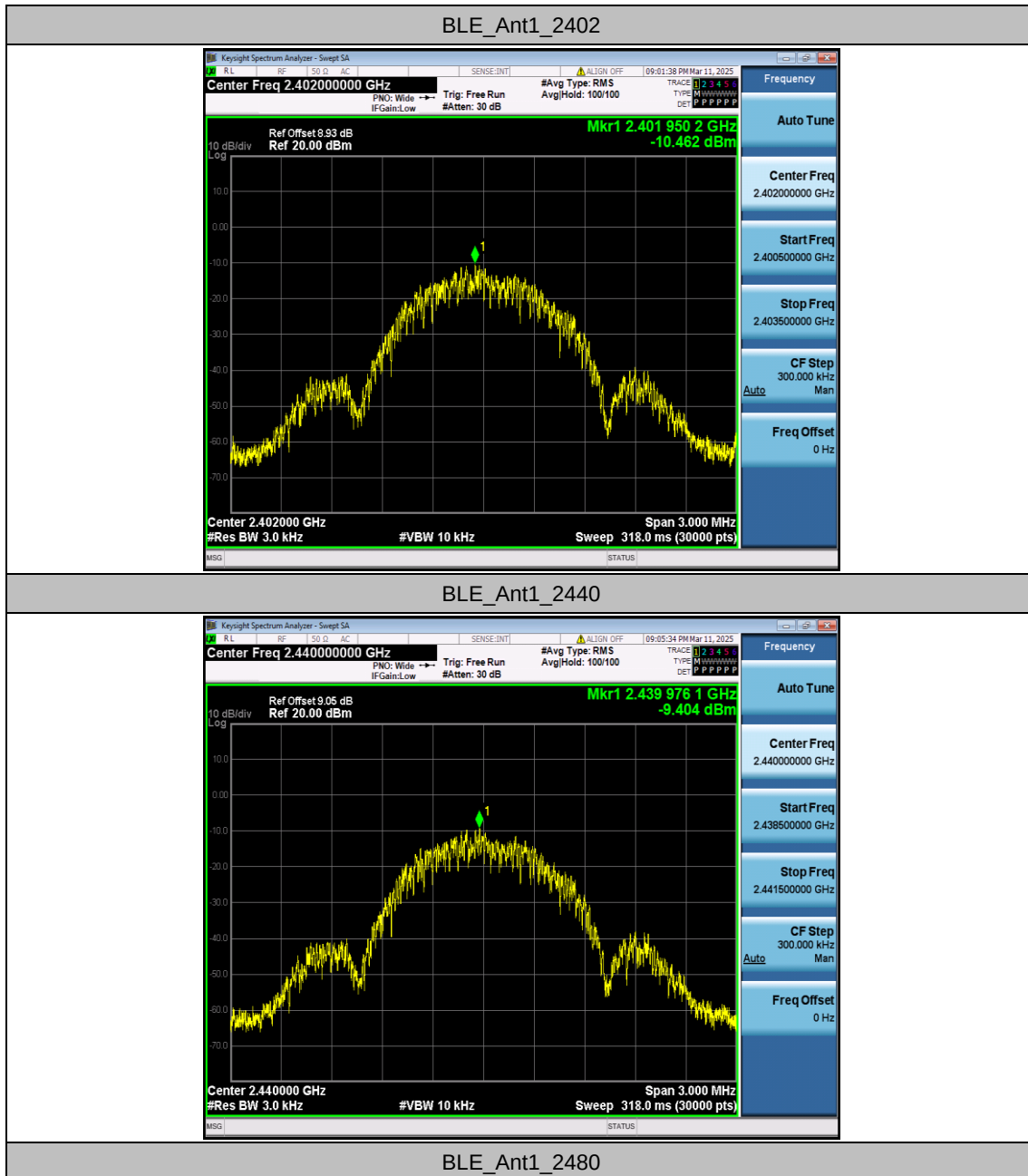
TestMode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE	Ant1	2402	4.60	≤30	PASS
		2440	5.85	≤30	PASS
		2480	5.30	≤30	PASS

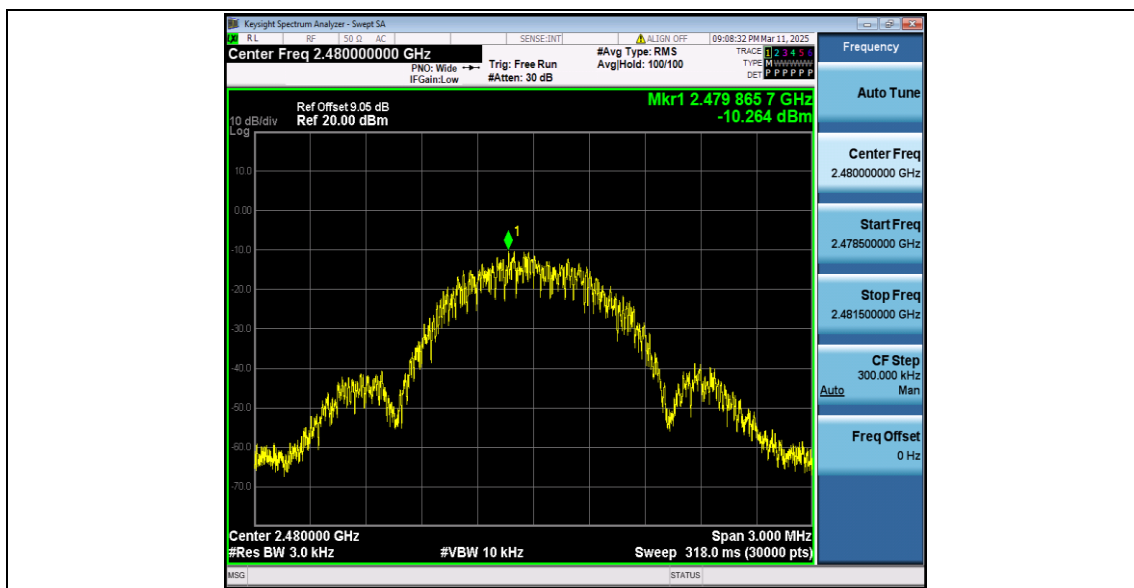
Appendix B.4: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-10.46	≤8.00	PASS
		2440	-9.40	≤8.00	PASS
		2480	-10.26	≤8.00	PASS

Test Graphs



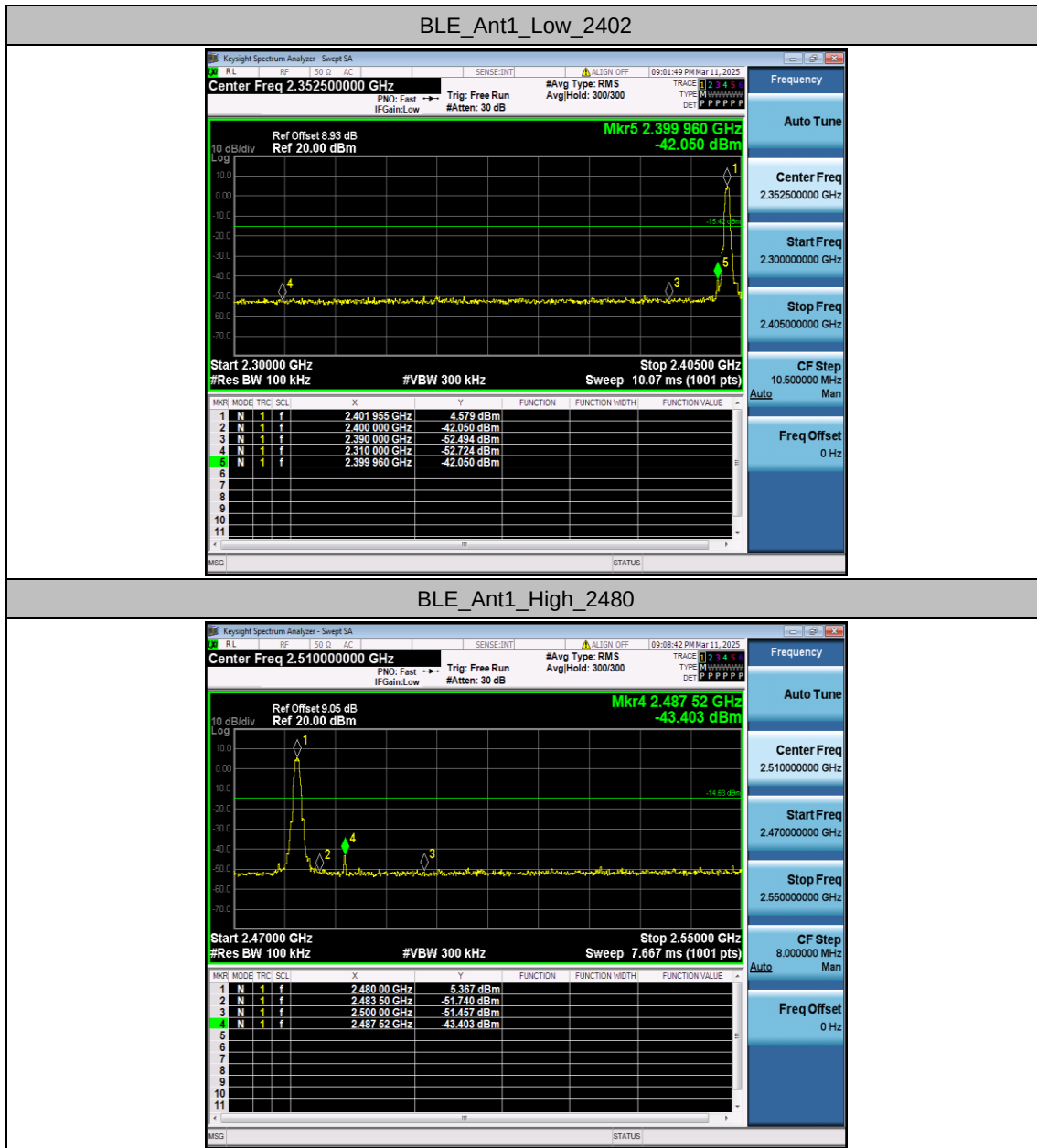


Appendix B.5: Band edge measurements

Test Result

TestMode	Antenna	ChName	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	4.58	-42.05	≤-15.42	PASS
		High	2480	5.37	-43.4	≤-14.63	PASS

Test Graphs

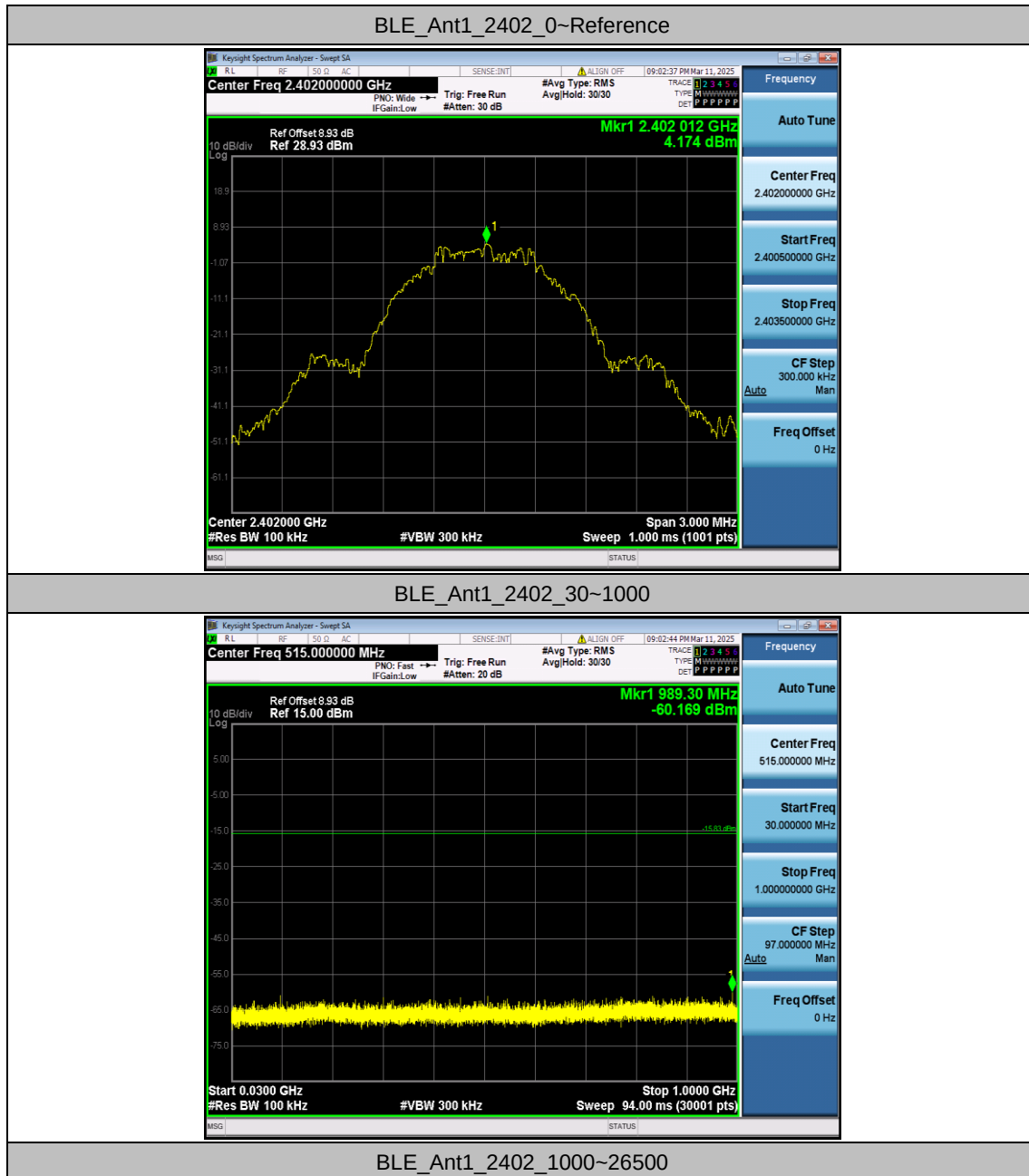


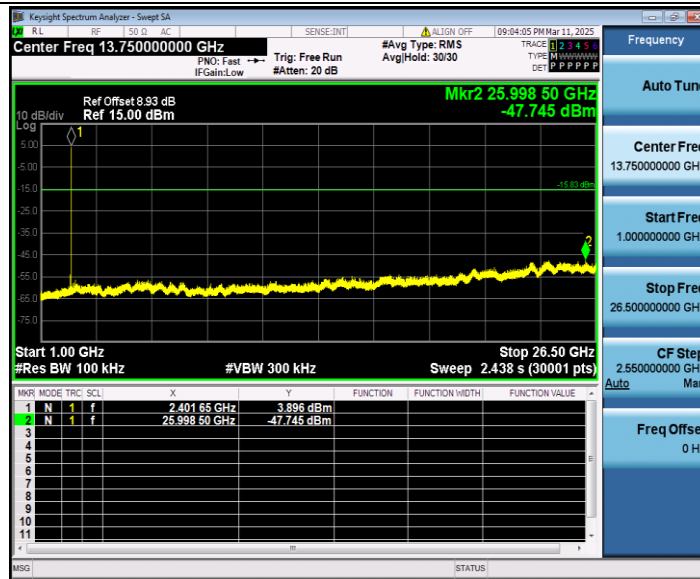
Appendix B.6: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	4.17	4.17	---	PASS
			30~1000	4.17	-60.17	≤ -15.83	PASS
			1000~26500	4.17	-47.75	≤ -15.83	PASS
		2440	Reference	5.10	5.10	---	PASS
			30~1000	5.10	-59.41	≤ -14.9	PASS
			1000~26500	5.10	-47.21	≤ -14.9	PASS
		2480	Reference	5.10	5.10	---	PASS
			30~1000	5.10	-60.04	≤ -14.9	PASS
			1000~26500	5.10	-47.6	≤ -14.9	PASS

Test Graphs

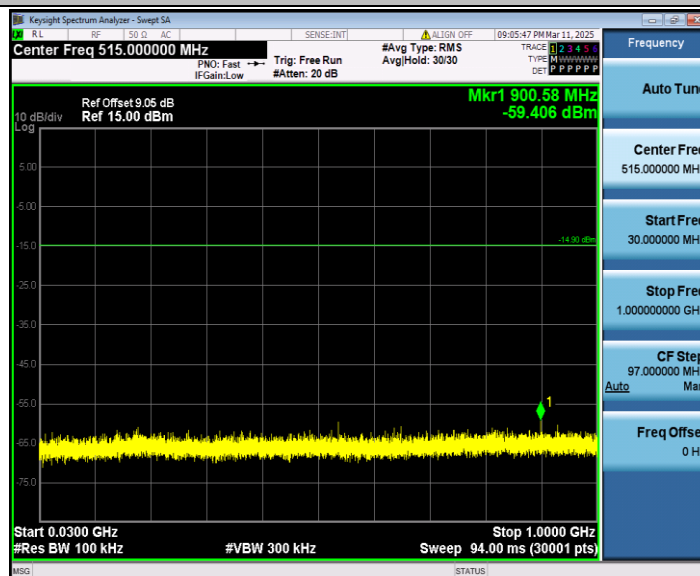




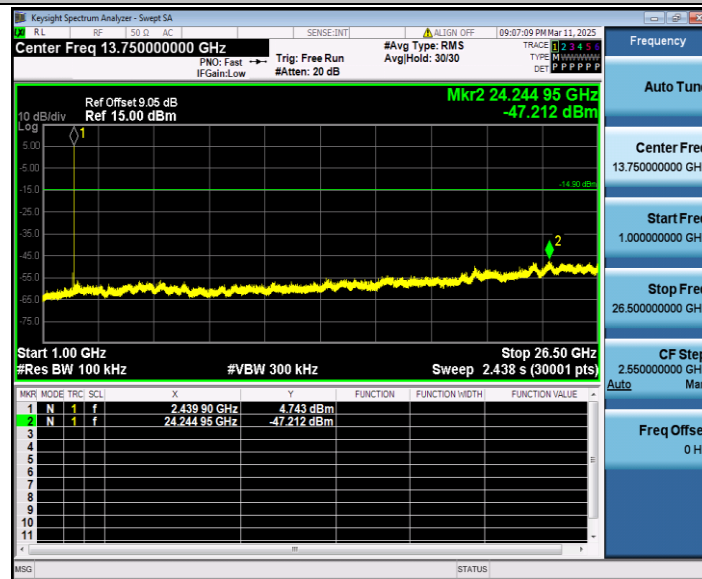
BLE_Ant1_2440_0~Reference



BLE_Ant1_2440_30~1000



BLE_Ant1_2440_1000~26500



BLE_Ant1_2480_0~Reference



BLE_Ant1_2480_30~1000

