

Case No. : <u>GTS20250319016-1-09</u>	
Ambient Condition: <u>22</u> °C, <u>51</u> %RH	
According Standard: ■Part15C	
Test Date: <u>2025.4.12</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	0.720	2401.640	2402.360	0.5	PASS
		2440	0.708	2439.648	2440.356	0.5	PASS
		2480	0.708	2479.640	2480.348	0.5	PASS

Test Graphs



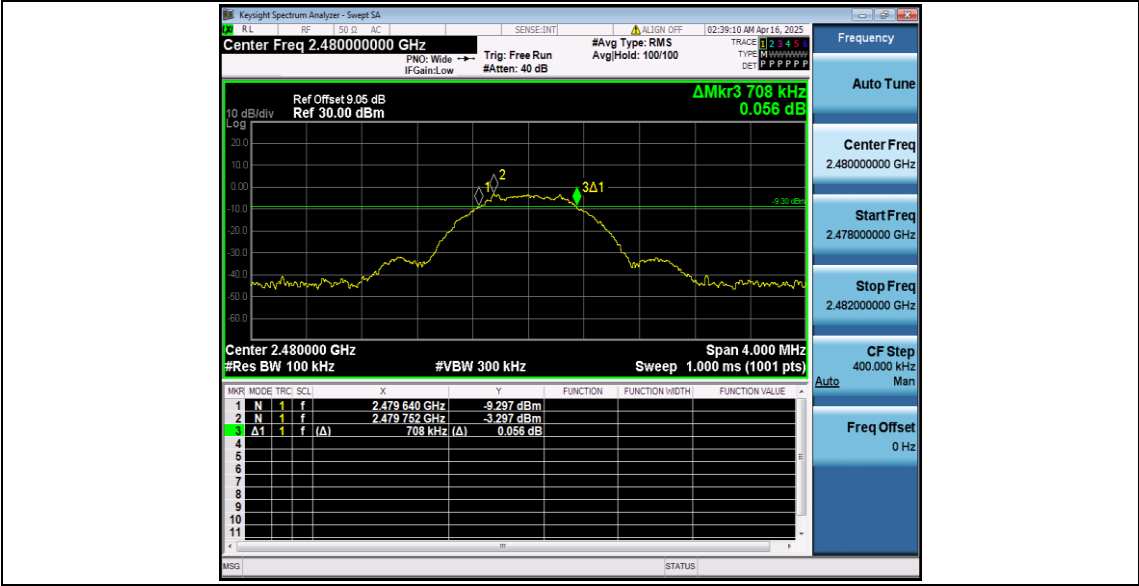
BLE_Ant1_2440

Frequency

Auto Tune

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

BLE_Ant1_2480

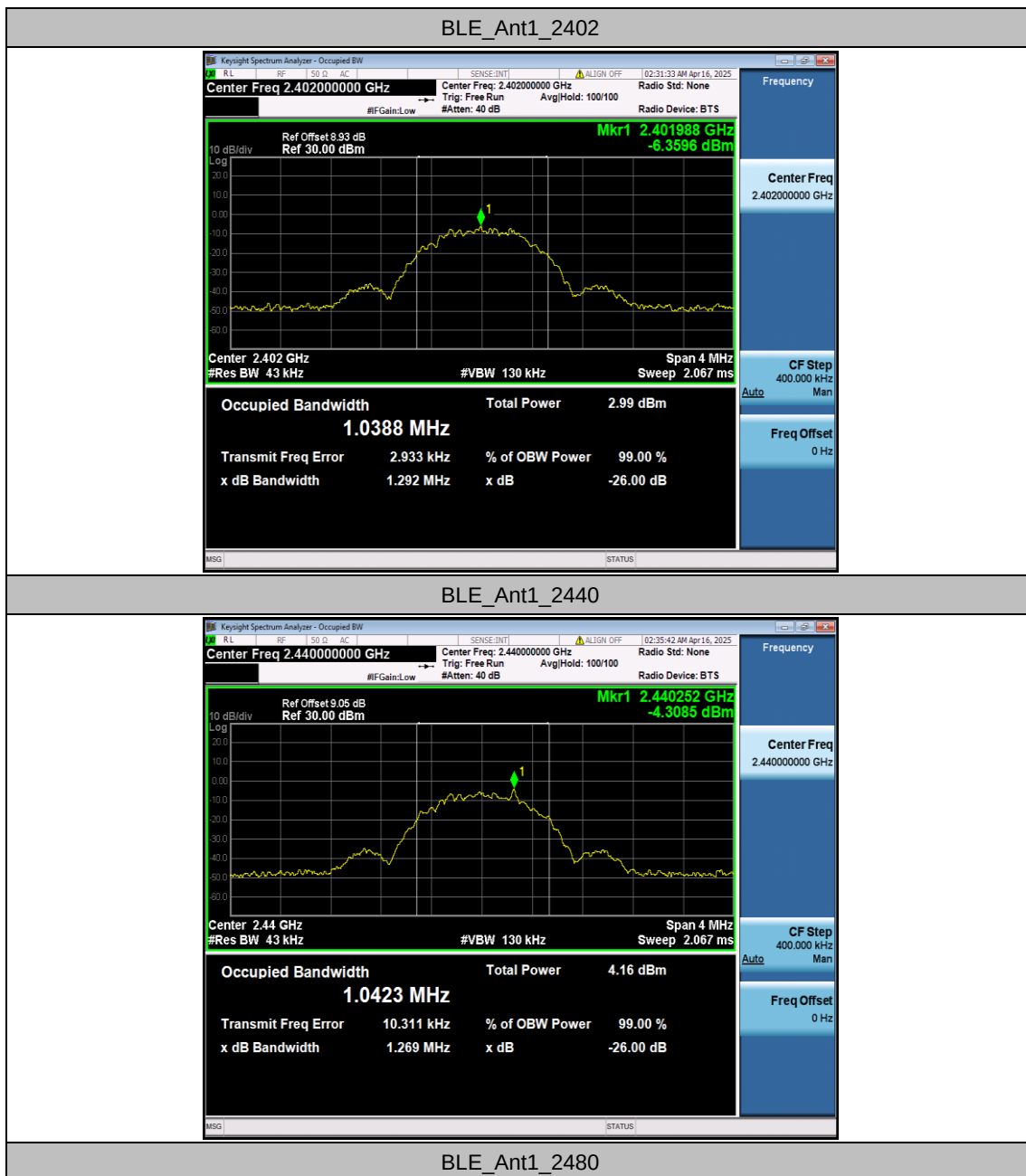


Appendix B.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	1.0388	2401.4835	2402.5223	---	---
		2440	1.0423	2439.4892	2440.5315	---	---
		2480	1.0467	2479.4852	2480.5319	---	---

Test Graphs





Appendix B.3: Maximum conducted output power

Test Result Peak

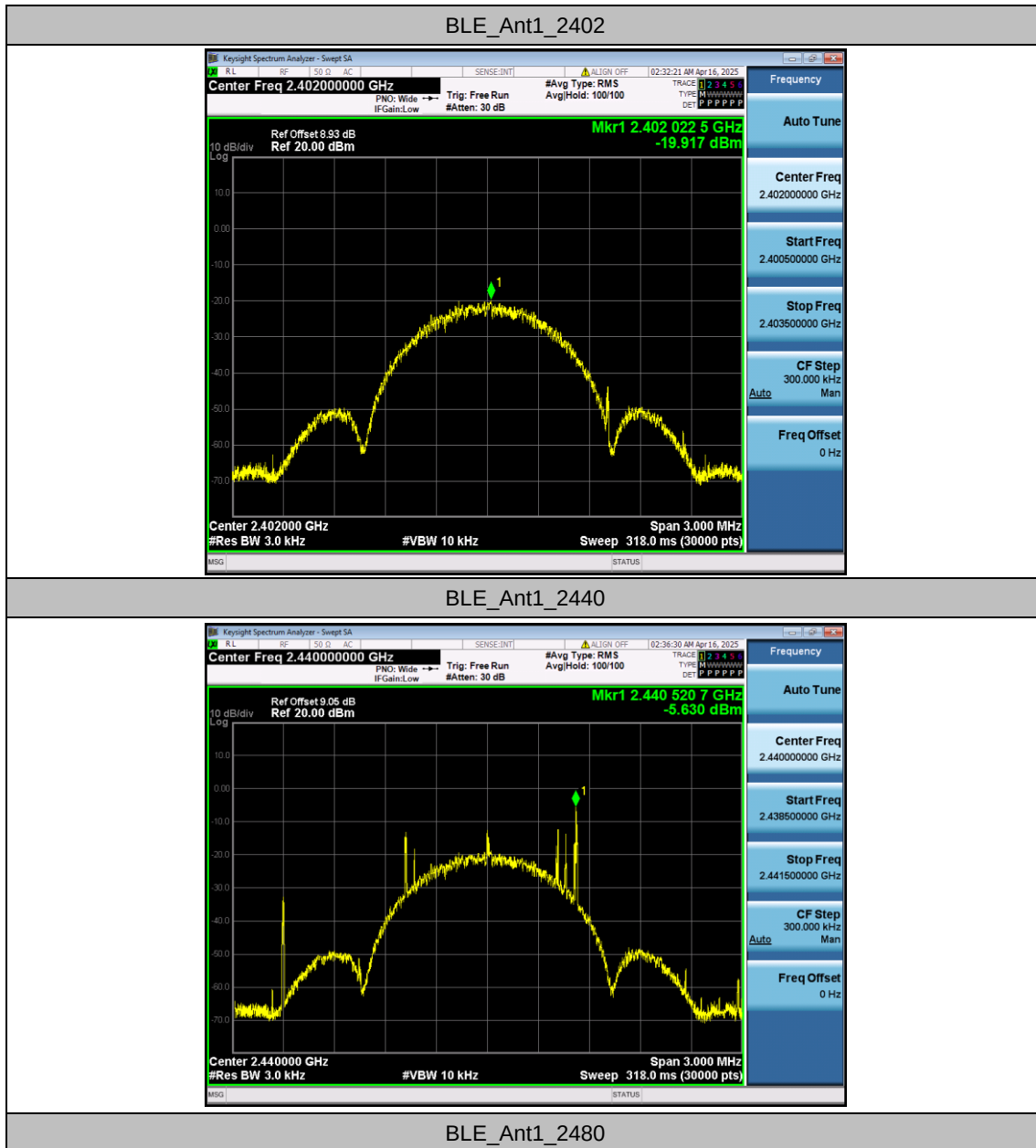
TestMode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE	Ant1	2402	-3.48	≤30	PASS
		2440	-2.43	≤30	PASS
		2480	-2.06	≤30	PASS

Appendix B.4: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-19.92	≤8.00	PASS
		2440	-5.63	≤8.00	PASS
		2480	-18.42	≤8.00	PASS

Test Graphs



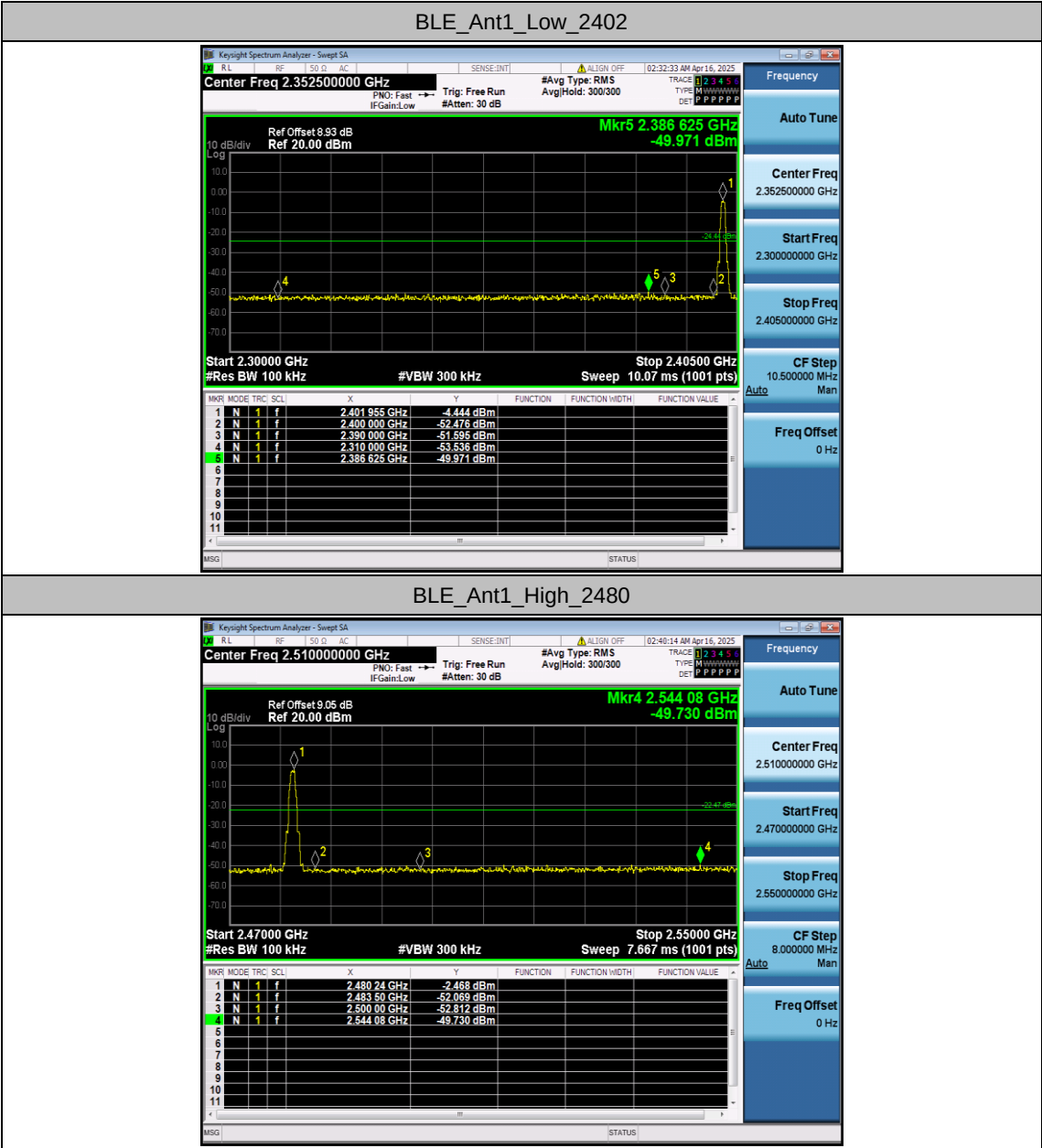


Appendix B.5: Band edge measurements

Test Result

TestMode	Antenna	ChName	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	-4.44	-49.97	≤-24.44	PASS
		High	2480	-2.47	-49.73	≤-22.47	PASS

Test Graphs

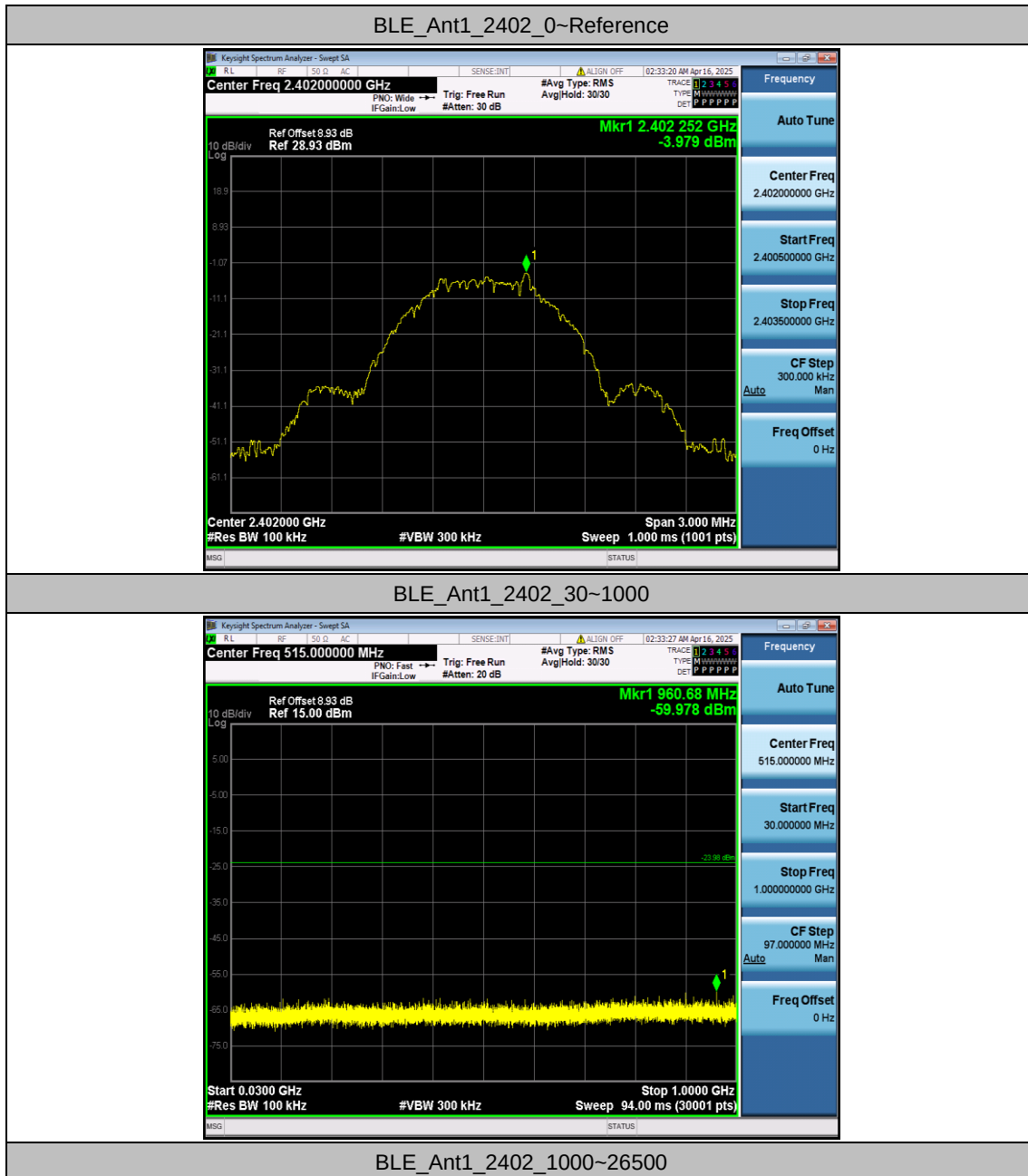


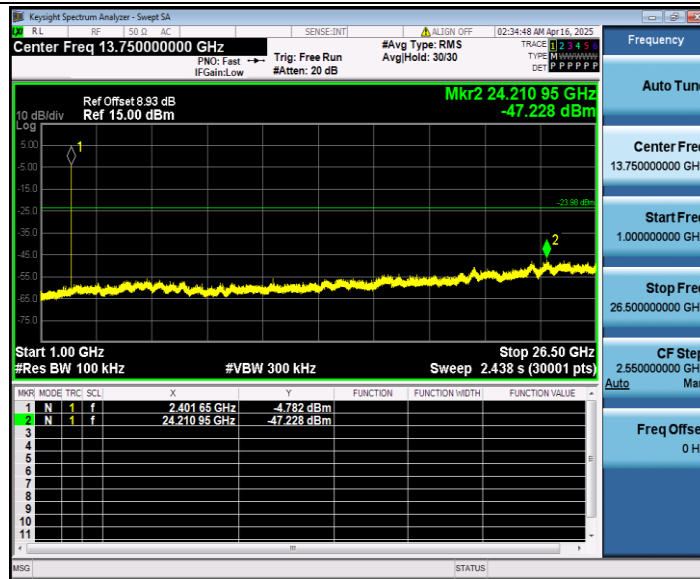
Appendix B.6: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	-3.98	-3.98	---	PASS
			30~1000	-3.98	-59.98	≤ -23.98	PASS
			1000~26500	-3.98	-47.23	≤ -23.98	PASS
		2440	Reference	-3.88	-3.88	---	PASS
			30~1000	-3.88	-60.97	≤ -23.88	PASS
			1000~26500	-3.88	-47.76	≤ -23.88	PASS
		2480	Reference	-3.85	-3.85	---	PASS
			30~1000	-3.85	-61.06	≤ -23.85	PASS
			1000~26500	-3.85	-47.55	≤ -23.85	PASS

Test Graphs

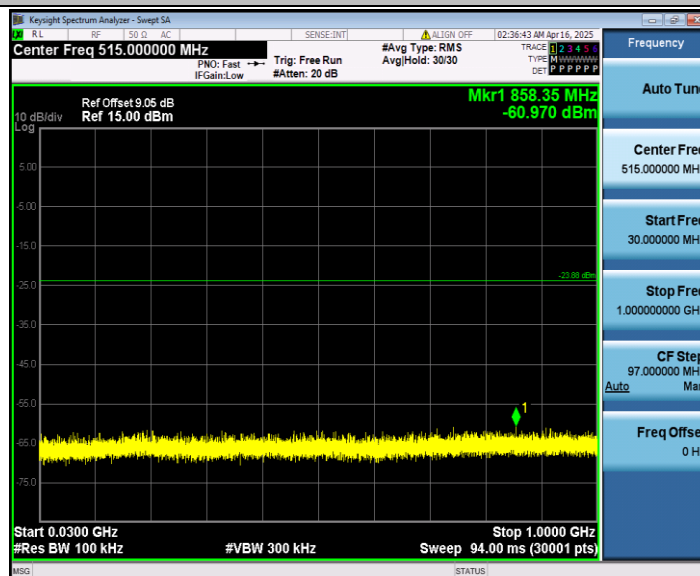




BLE_Ant1_2440_0~Reference



BLE_Ant1_2440_30~1000



BLE_Ant1_2440_1000~26500



BLE_Ant1_2480_0~Reference



BLE_Ant1_2480_30~1000

