

Case No. : <u>GTS20260115008-1-02</u>
Ambient Condition: <u>21</u> °C, <u>56</u> %RH
According Standard: ■Part15C
Test Date: <u>2026.2.25-2026.3.16</u> Test Engineer: <u>Evan ouyang</u>

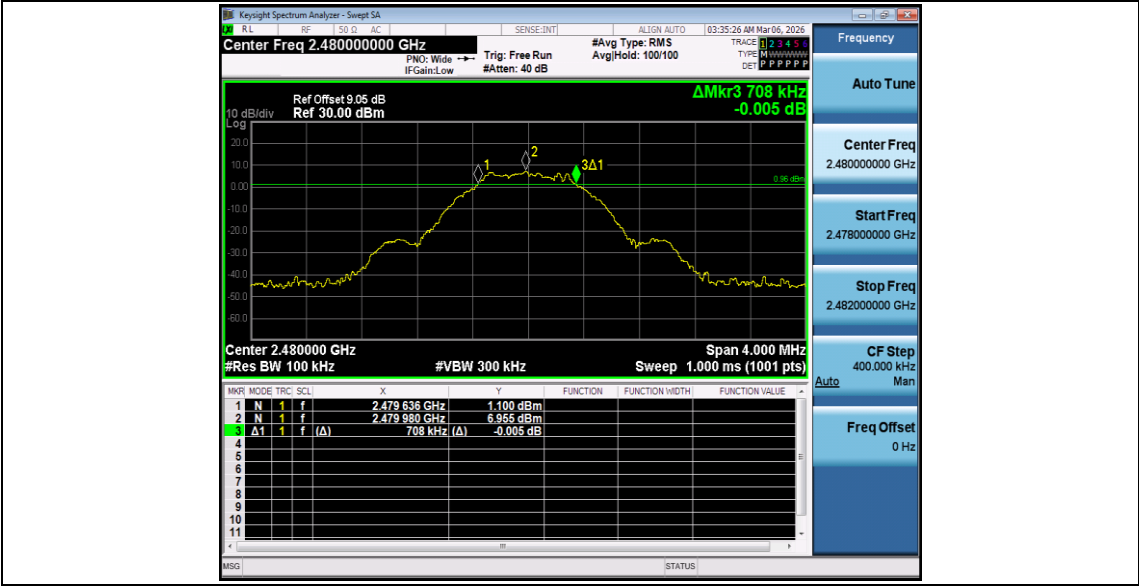
Appendix B.1: DTS Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	0.712	2401.632	2402.344	0.5	PASS
		2440	0.720	2439.624	2440.344	0.5	PASS
		2480	0.708	2479.636	2480.344	0.5	PASS

Test Graphs





Appendix B.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	1.0428	2401.4796	2402.5224	---	---
		2440	1.0503	2439.4739	2440.5242	---	---
		2480	1.0456	2479.4763	2480.5219	---	---

Test Graphs





Appendix B.3: Maximum conducted output power

Test Result Peak

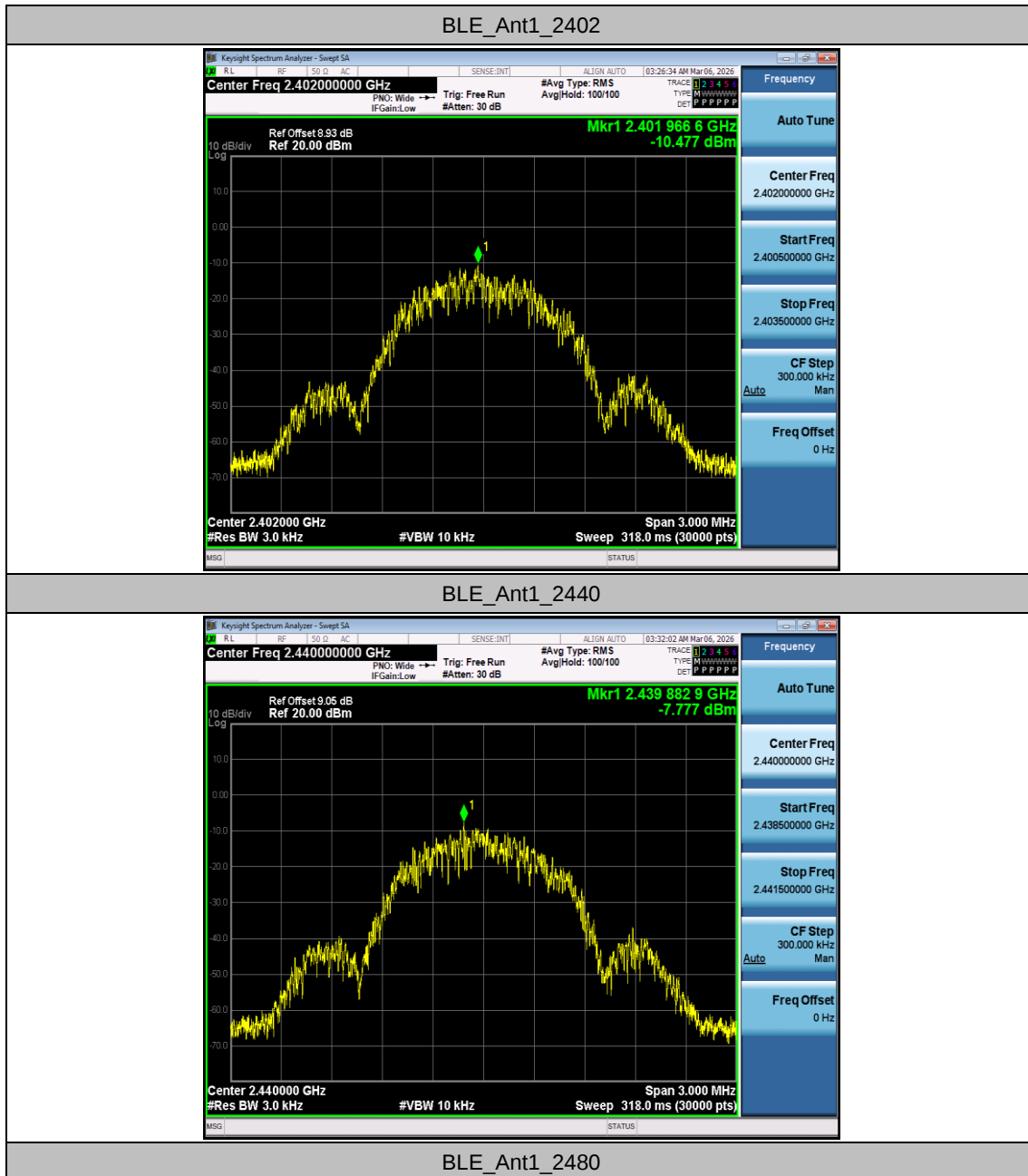
TestMode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE	Ant1	2402	5.42	≤30	PASS
		2440	8.05	≤30	PASS
		2480	8.92	≤30	PASS

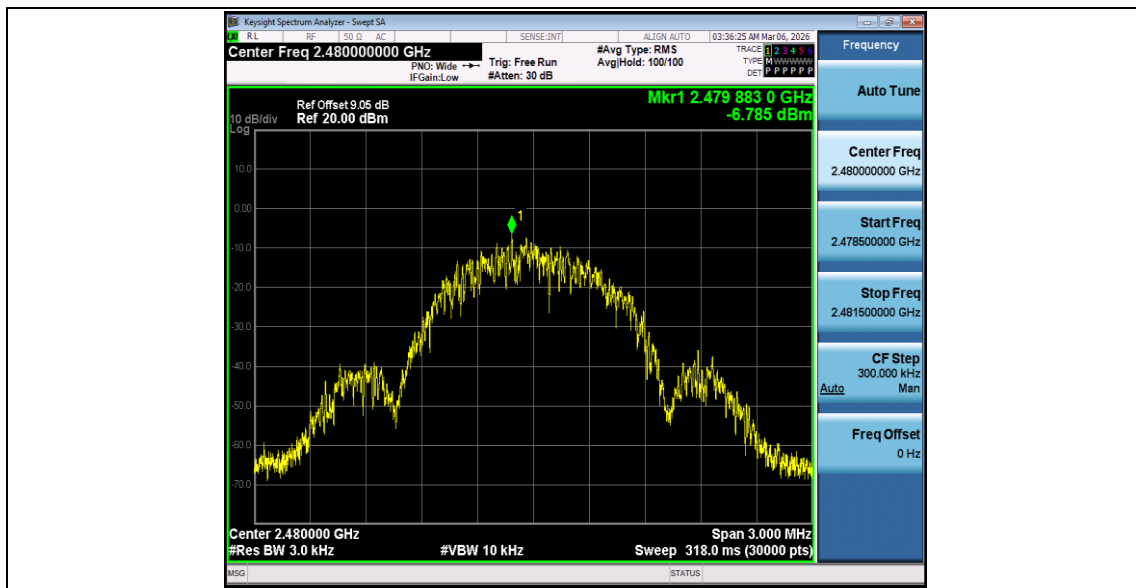
Appendix B.4: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-10.48	≤8.00	PASS
		2440	-7.78	≤8.00	PASS
		2480	-6.79	≤8.00	PASS

Test Graphs



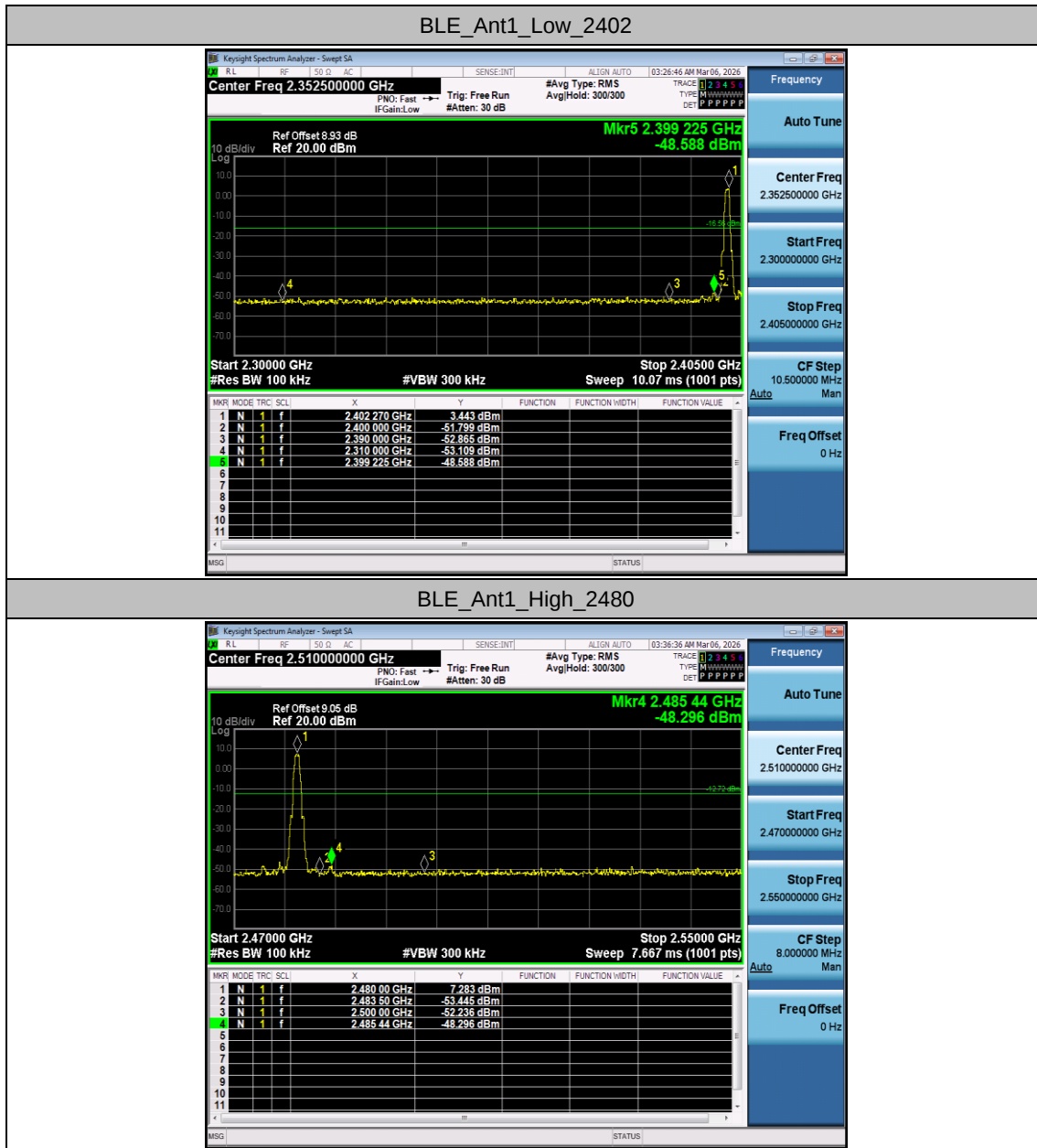


Appendix B.5:Band edge measurements

Test Result

TestMode	Antenna	ChName	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	3.44	-48.59	≤-16.56	PASS
		High	2480	7.28	-48.3	≤-12.72	PASS

Test Graphs

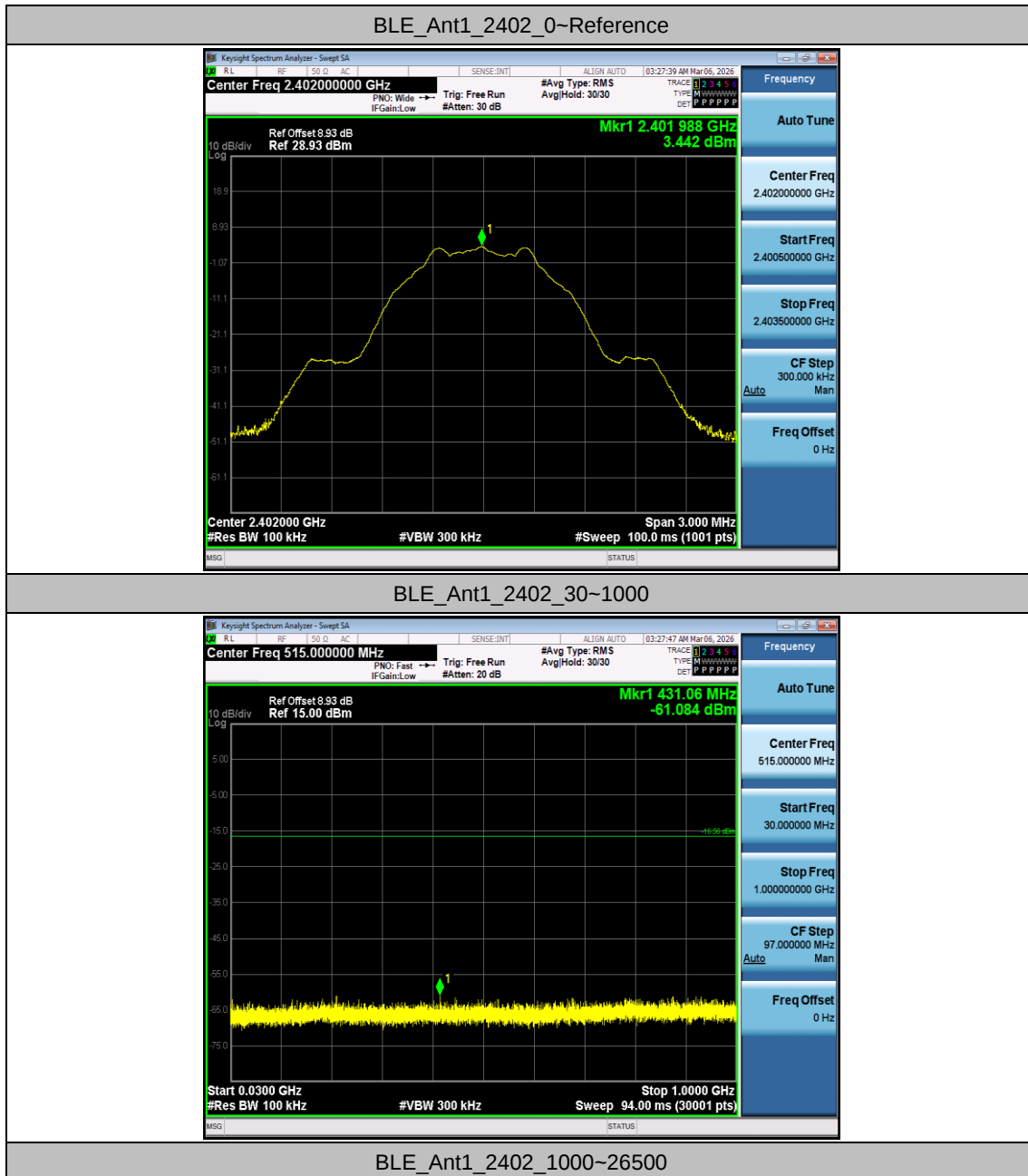


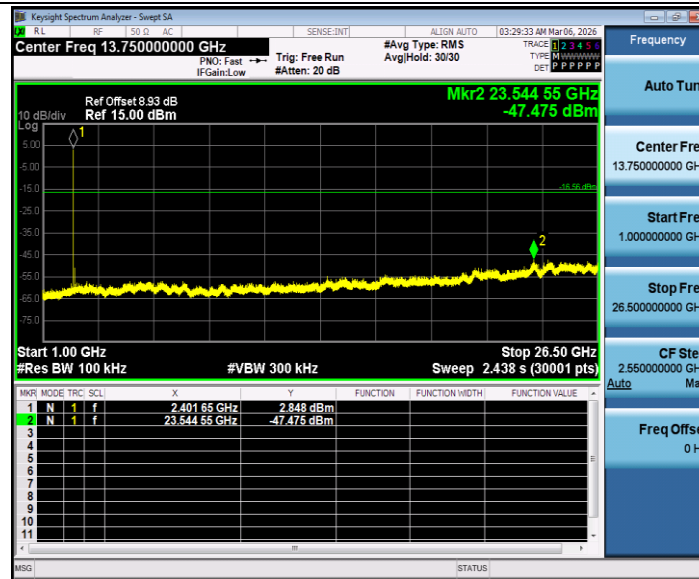
Appendix B.6:Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	3.44	3.44	---	PASS
			30~1000	3.44	-61.08	≤-16.56	PASS
			1000~26500	3.44	-47.48	≤-16.56	PASS
		2440	Reference	6.10	6.10	---	PASS
			30~1000	6.10	-60.4	≤-13.9	PASS
			1000~26500	6.10	-47.97	≤-13.9	PASS
		2480	Reference	7.01	7.01	---	PASS
			30~1000	7.01	-60.03	≤-12.99	PASS
			1000~26500	7.01	-47.39	≤-12.99	PASS

Test Graphs

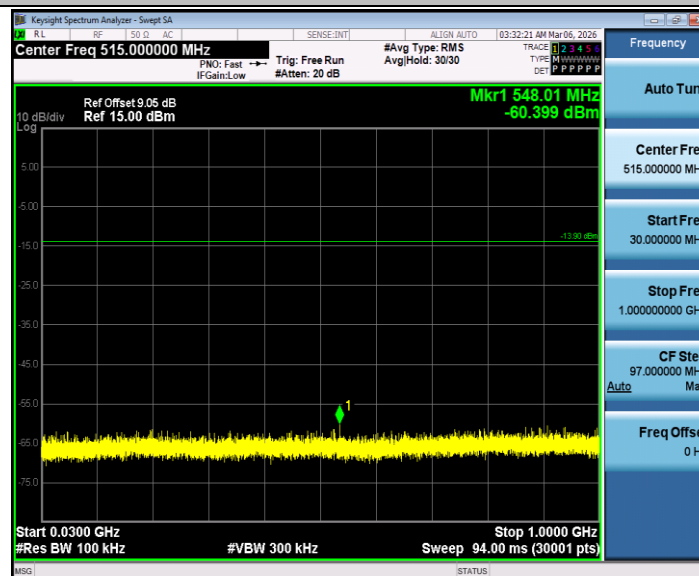




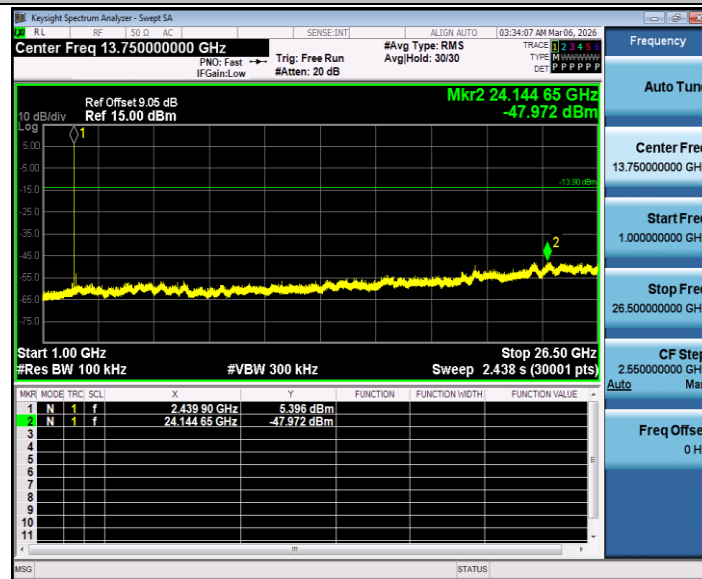
BLE_Ant1_2440_0~Reference



BLE_Ant1_2440_30~1000



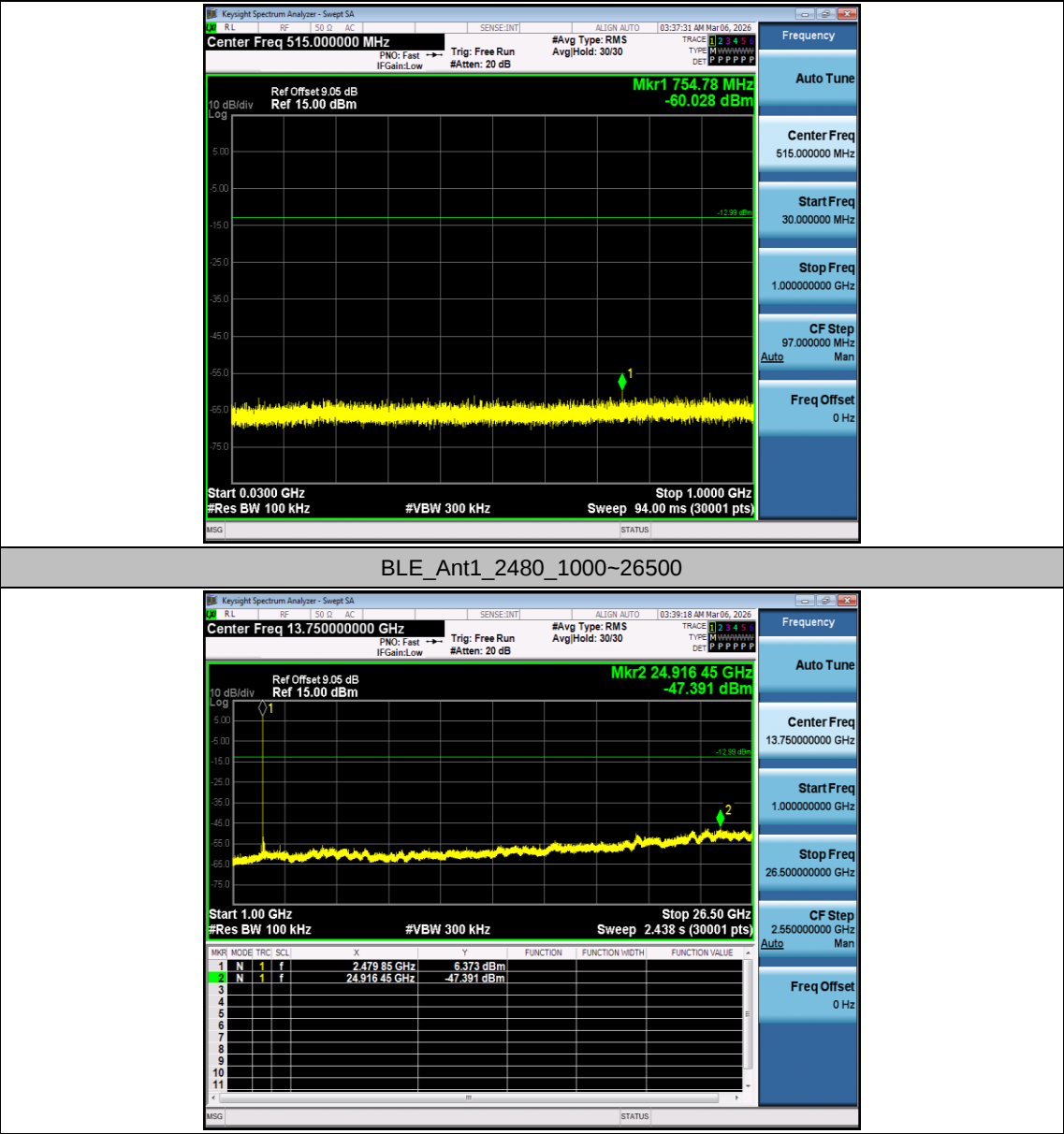
BLE_Ant1_2440_1000~26500



BLE_Ant1_2480_0~Reference



BLE_Ant1_2480_30~1000

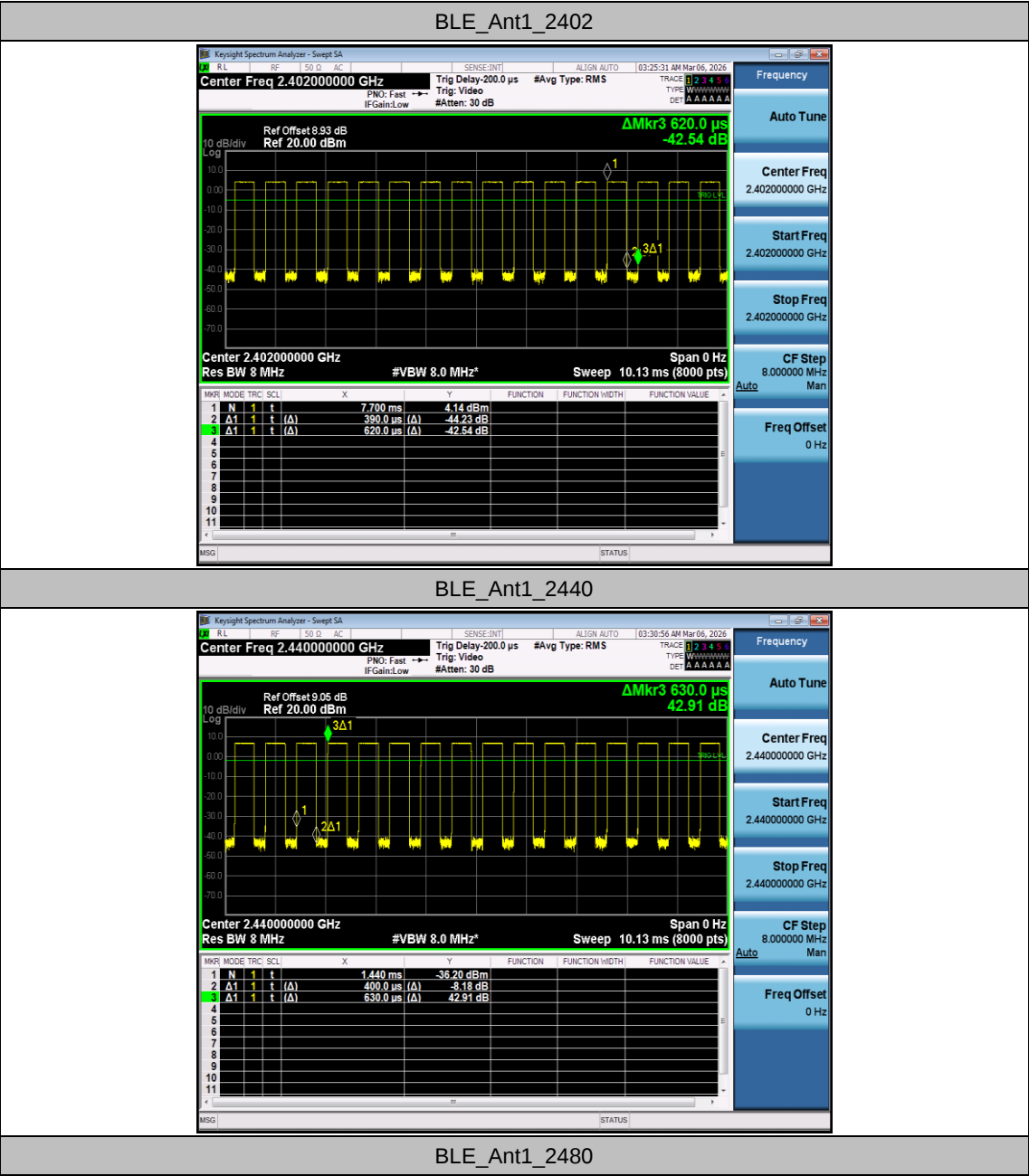


Appendix B.7: Duty Cycle

Test Result

TestMode	Antenna	Freq(MHz)	ON Time [ms]	Period [ms]	X	DC [%]	Duty Cycle Factor[dB]	1/T Factor [KHz]
BLE	Ant1	2402	0.39	0.62	0.6290	62.90	2.01	2.56
		2440	0.40	0.63	0.6349	63.49	1.97	2.50
		2480	0.40	0.63	0.6349	63.49	1.97	2.50

Test Graphs



BLE_Ant1_2440

Frequency

Auto Tune

Center Freq
2.440000000 GHzStart Freq
2.440000000 GHzStop Freq
2.440000000 GHzCF Step
8.000000 MHz

Auto

Man

Freq Offset
0 Hz

BLE_Ant1_2480

