

Case No. : <u>GTS20250904021-1-02</u>
Ambient Condition: <u>22</u> °C, <u>57</u> %RH
According Standard: ■Part15C
Test Date: <u>2025.9.9-2025.9.17</u> Test Engineer: <u>Evan ouyang</u>

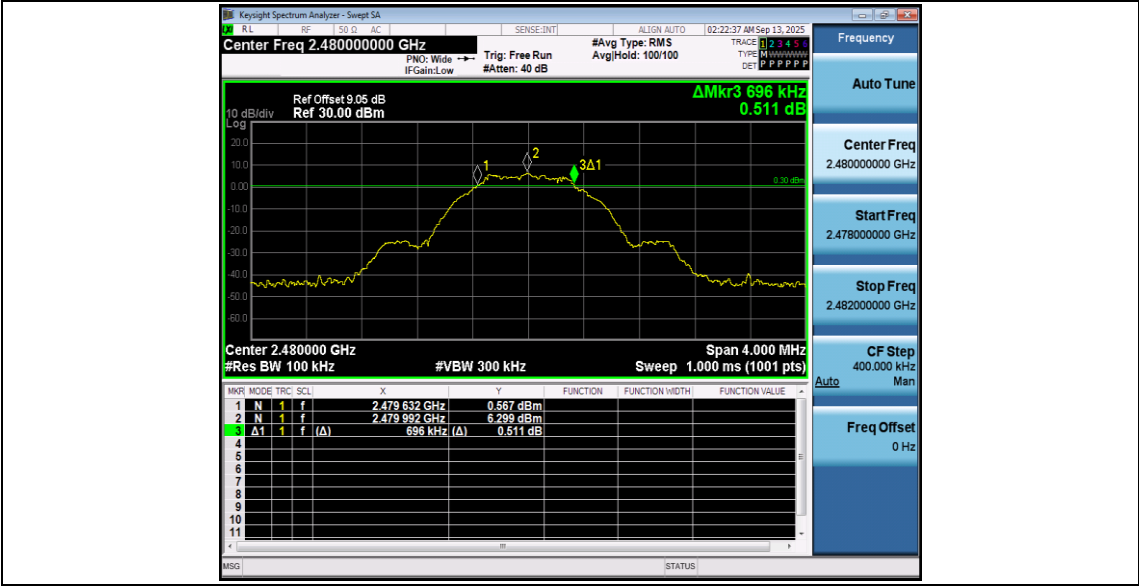
AppendixB.1: DTS Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	0.708	2401.628	2402.336	0.5	PASS
		2440	0.716	2439.636	2440.352	0.5	PASS
		2480	0.696	2479.632	2480.328	0.5	PASS

Test Graphs



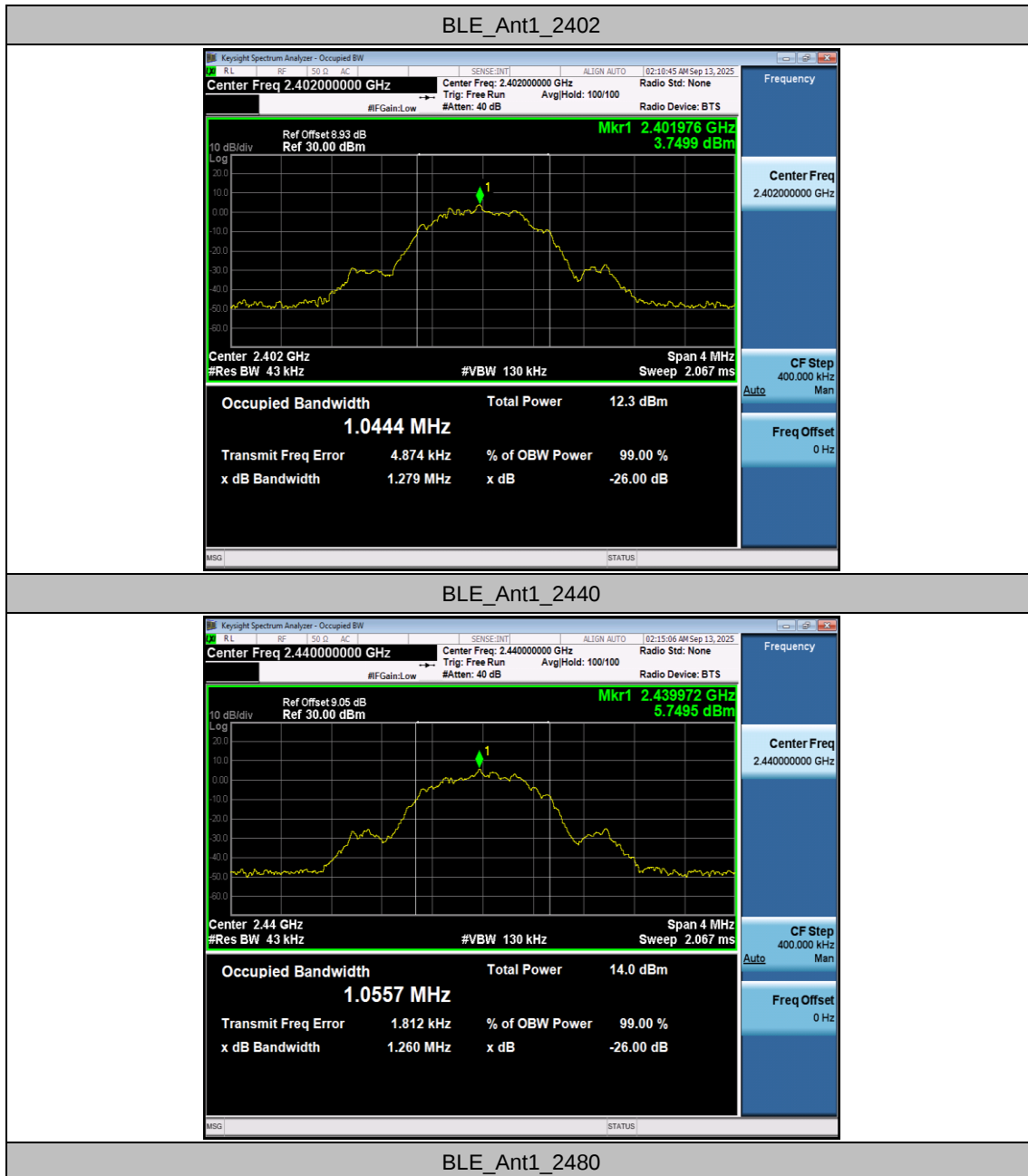


AppendixB.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	1.0444	2401.4827	2402.5271	---	---
		2440	1.0557	2439.4740	2440.5297	---	---
		2480	1.0572	2479.4725	2480.5297	---	---

Test Graphs





AppendixB.3: Maximum conducted output power

Test Result Peak

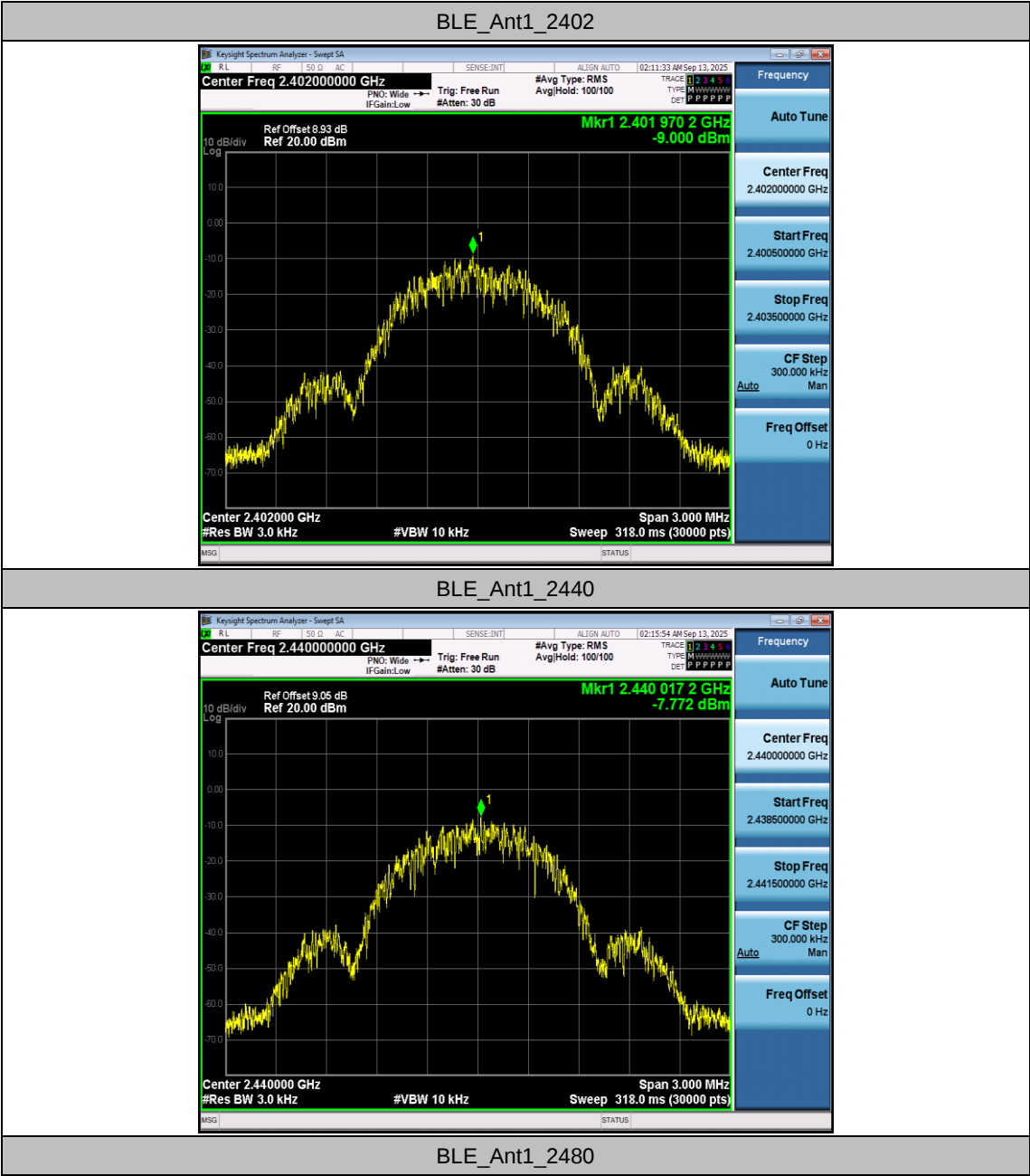
TestMode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE	Ant1	2402	7.35	≤30	PASS
		2440	9.18	≤30	PASS
		2480	8.99	≤30	PASS

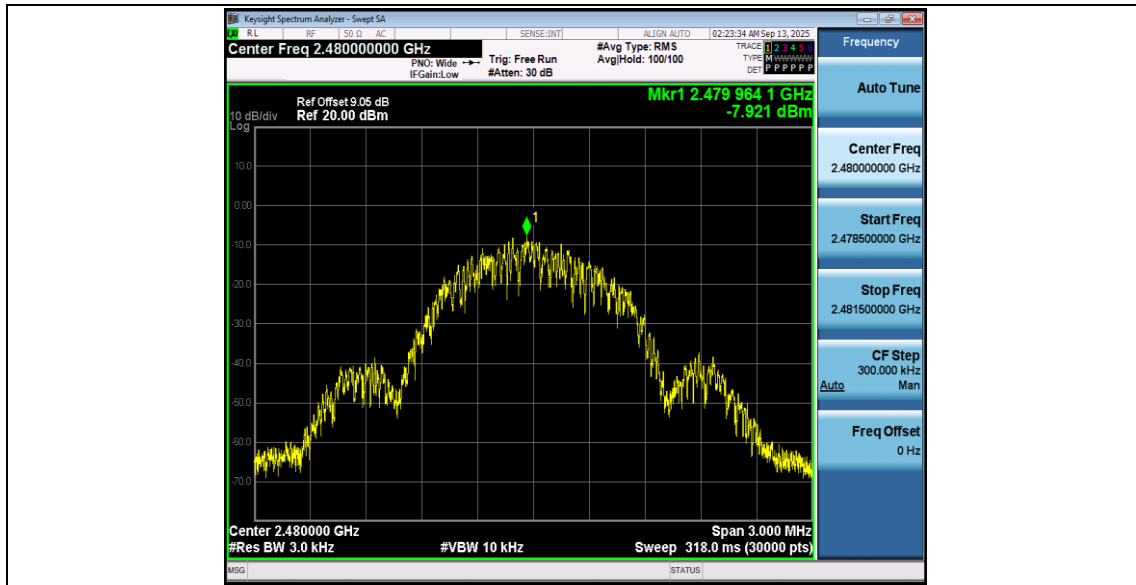
AppendixB.4: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-9.00	≤8.00	PASS
		2440	-7.77	≤8.00	PASS
		2480	-7.92	≤8.00	PASS

Test Graphs



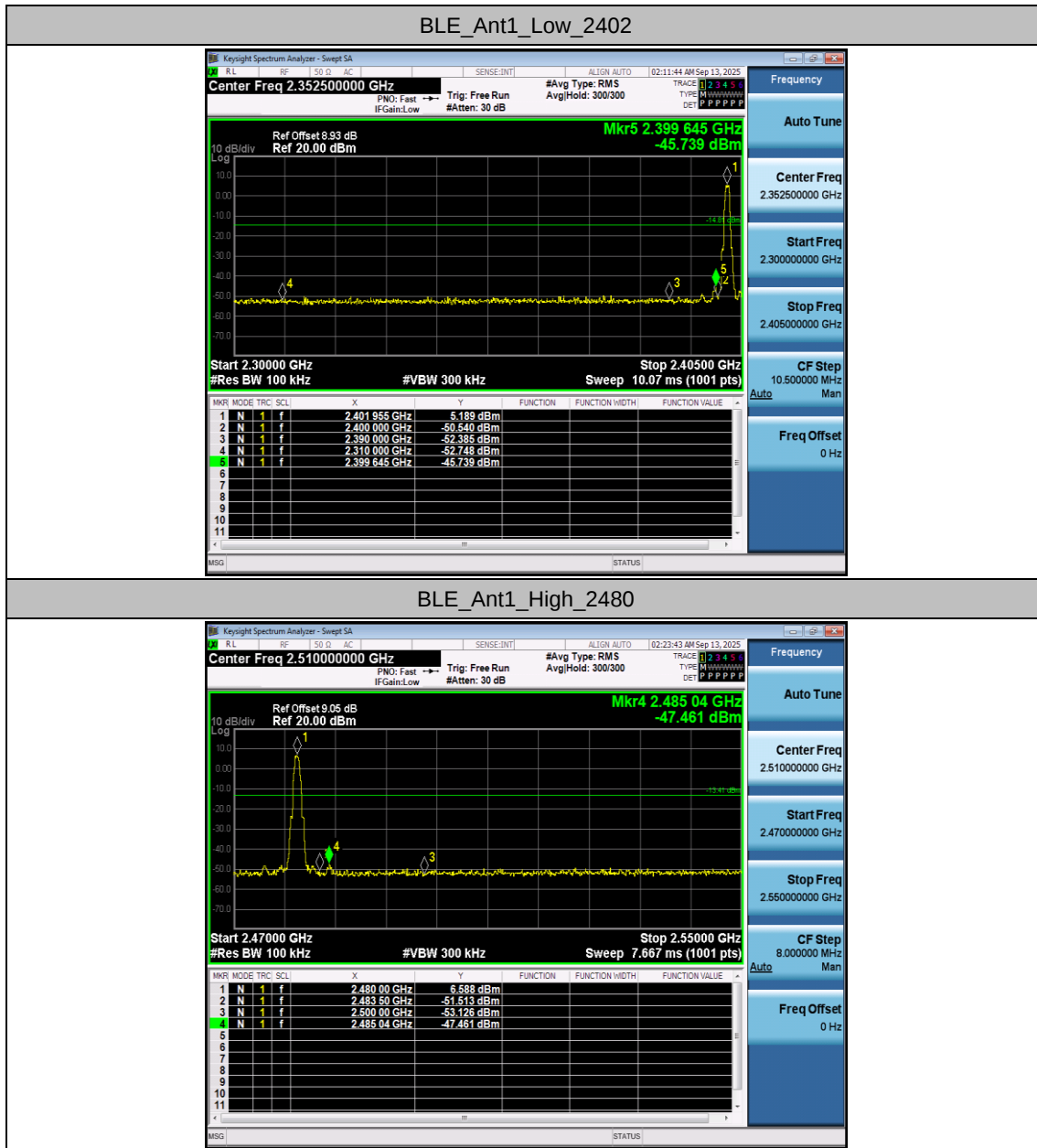


Appendix B.5: Band edge measurements

Test Result

TestMode	Antenna	ChName	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	5.19	-45.74	≤-14.81	PASS
		High	2480	6.59	-47.46	≤-13.41	PASS

Test Graphs

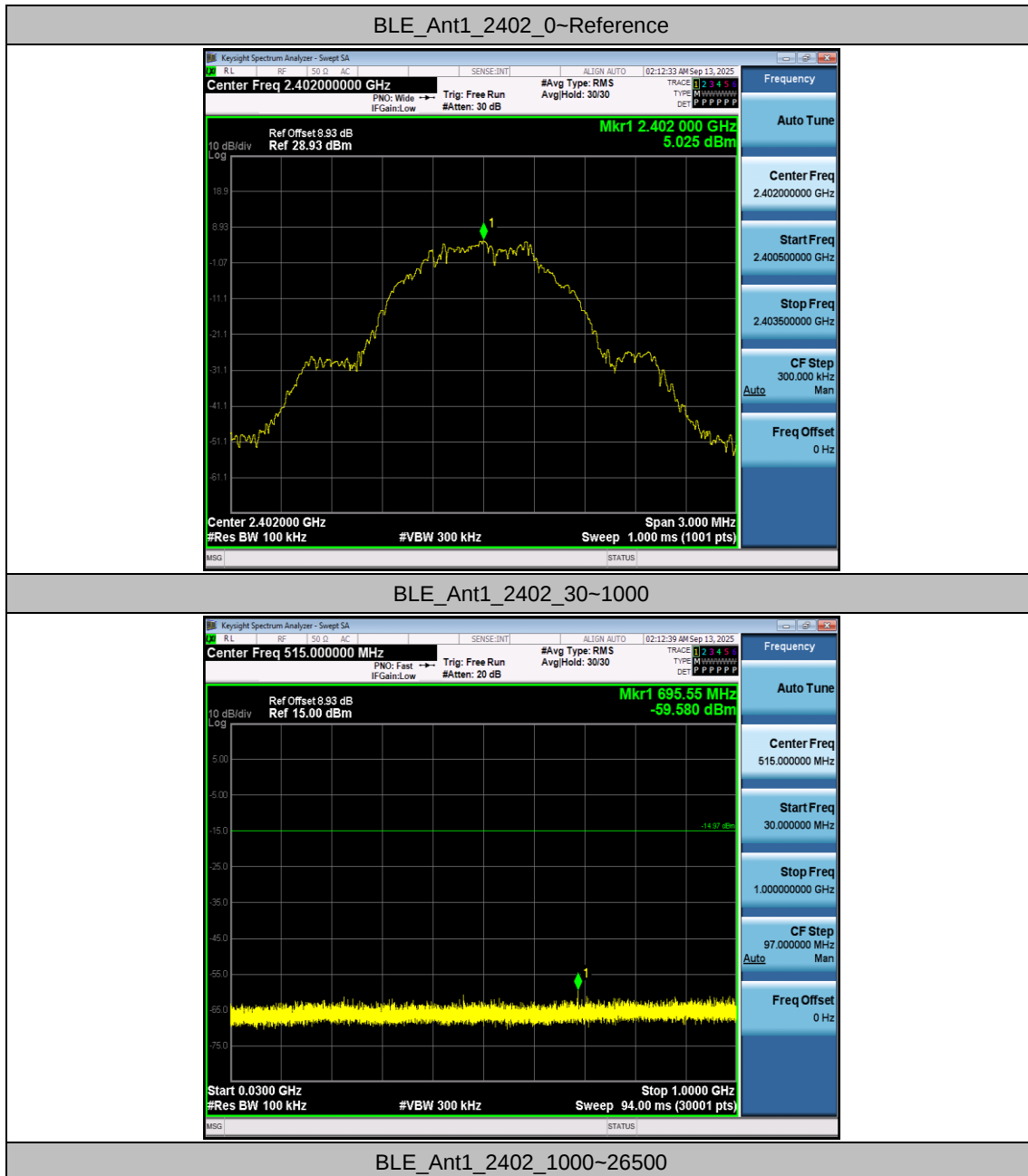


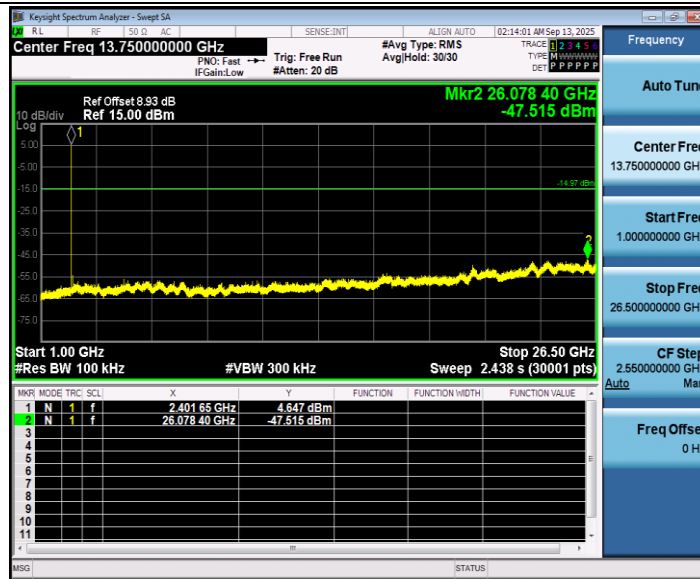
Appendix B.6: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	5.03	5.03	---	PASS
			30~1000	5.03	-59.58	≤-14.97	PASS
			1000~26500	5.03	-47.52	≤-14.97	PASS
		2440	Reference	6.63	6.63	---	PASS
			30~1000	6.63	-59.86	≤-13.37	PASS
			1000~26500	6.63	-47.69	≤-13.37	PASS
		2480	Reference	6.39	6.39	---	PASS
			30~1000	6.39	-59.81	≤-13.61	PASS
			1000~26500	6.39	-46.81	≤-13.61	PASS

Test Graphs

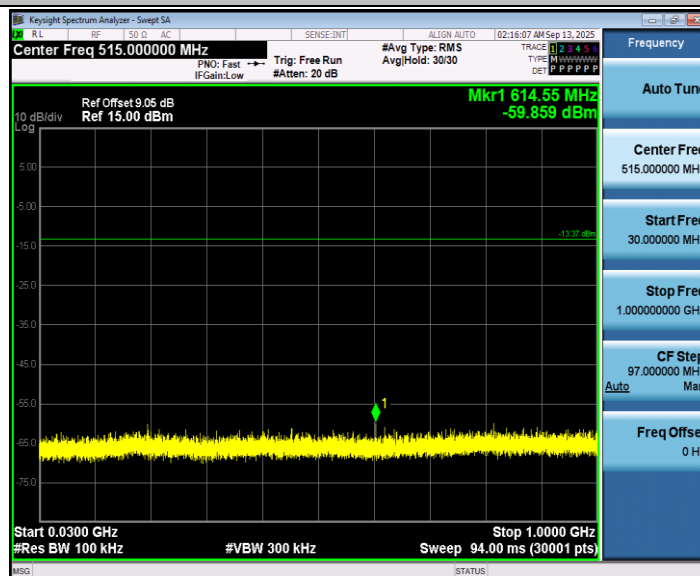


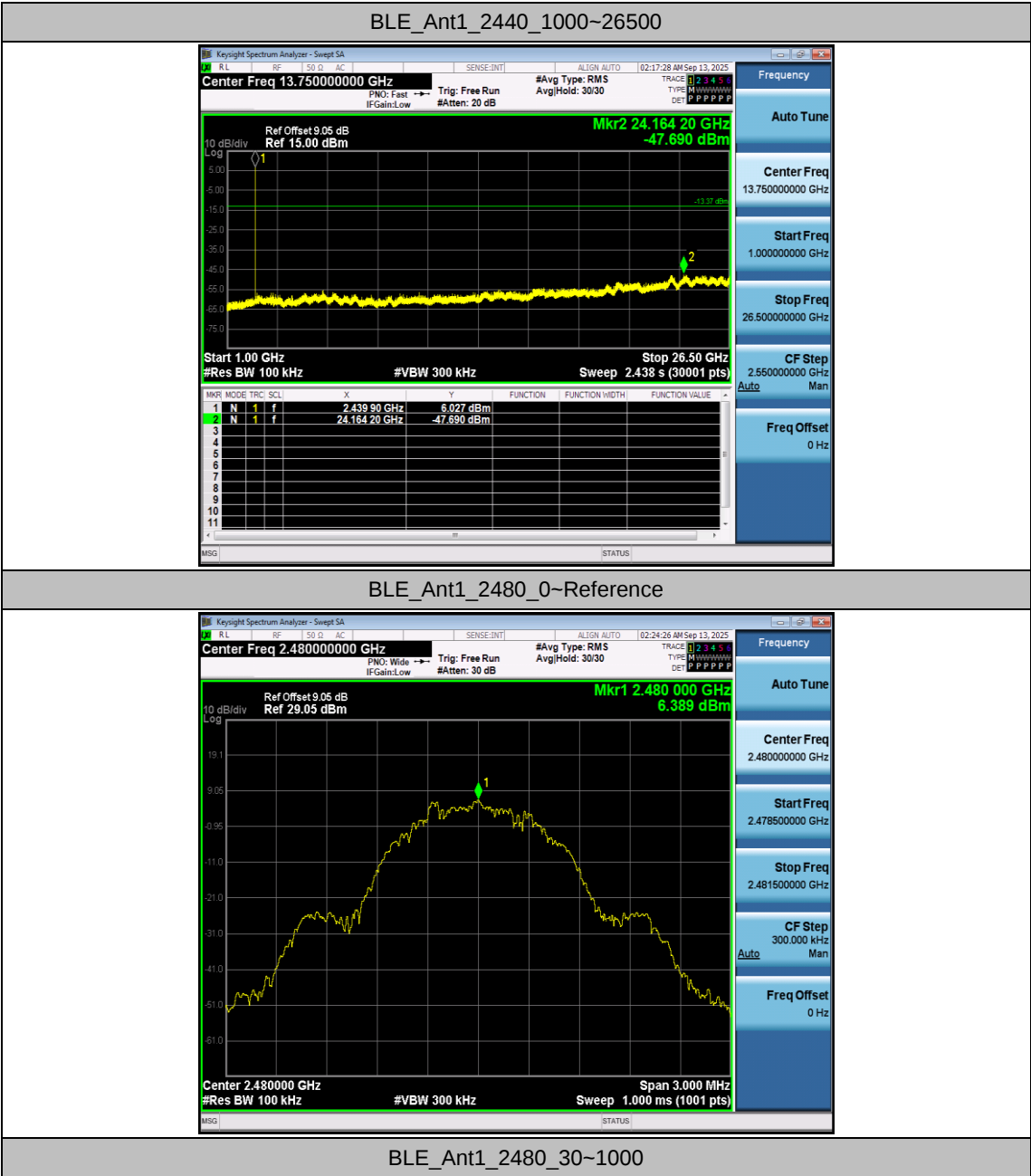


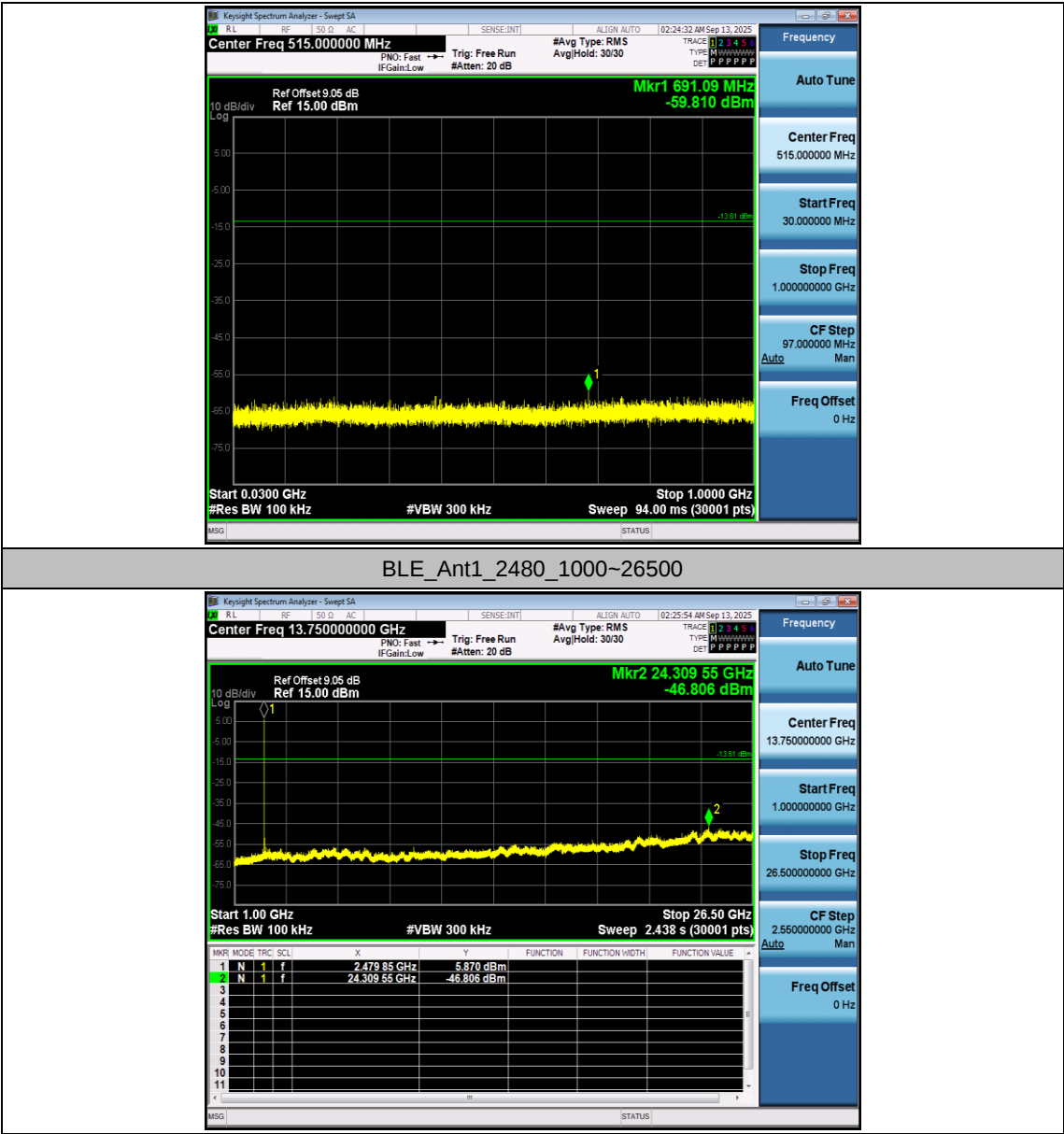
BLE_Ant1_2440_0~Reference



BLE_Ant1_2440_30~1000







AppendixB.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

