

Case No. : <u>GTS20260821003-1-10</u>
Ambient Condition: <u>25</u> °C, <u>47</u> %RH
According Standard: ■Part15C
Test Date: <u>2026.8.26-2026.9.10</u> Test Engineer: <u>Evan ouyang</u>

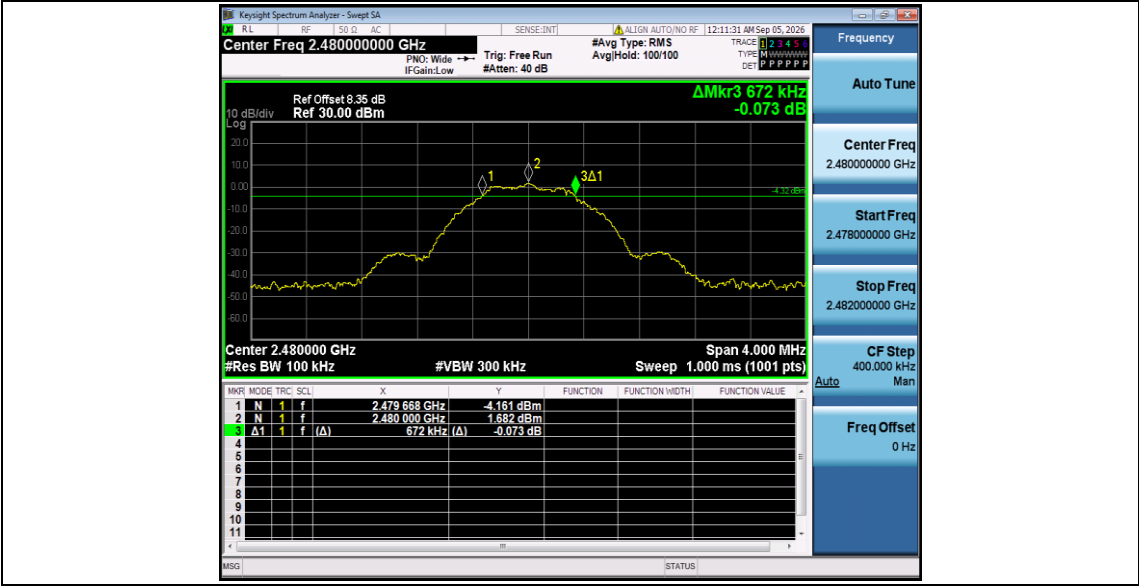
AppendixB.1: DTS Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant0	2402	0.648	2401.684	2402.332	0.5	PASS
		2440	0.656	2439.688	2440.344	0.5	PASS
		2480	0.672	2479.668	2480.340	0.5	PASS

Test Graphs



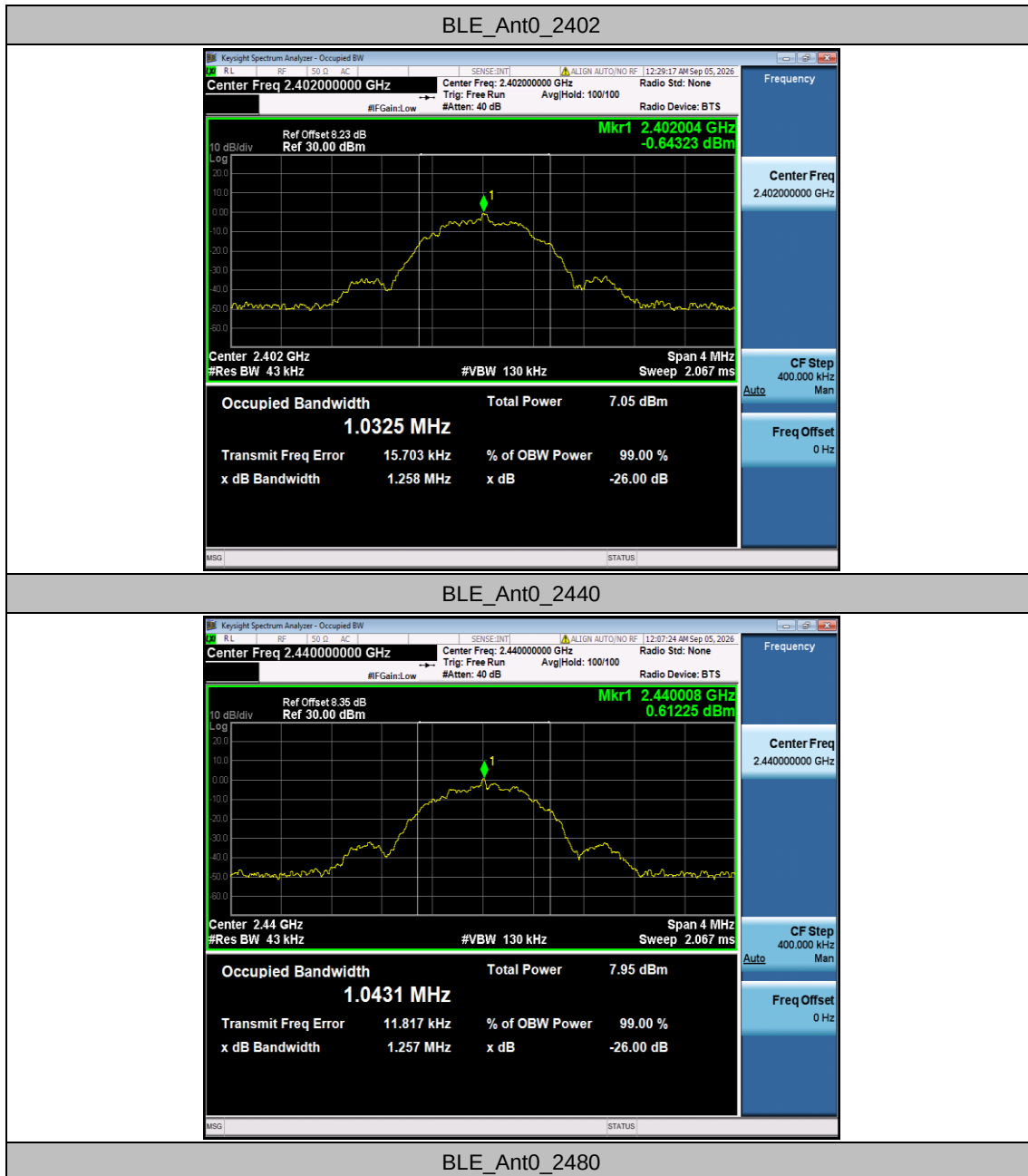


AppendixB.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant0	2402	1.0325	2401.4995	2402.5320	---	---
		2440	1.0431	2439.4903	2440.5334	---	---
		2480	1.0366	2479.4986	2480.5352	---	---

Test Graphs





AppendixB.3: Maximum conducted output power

Test Result Peak

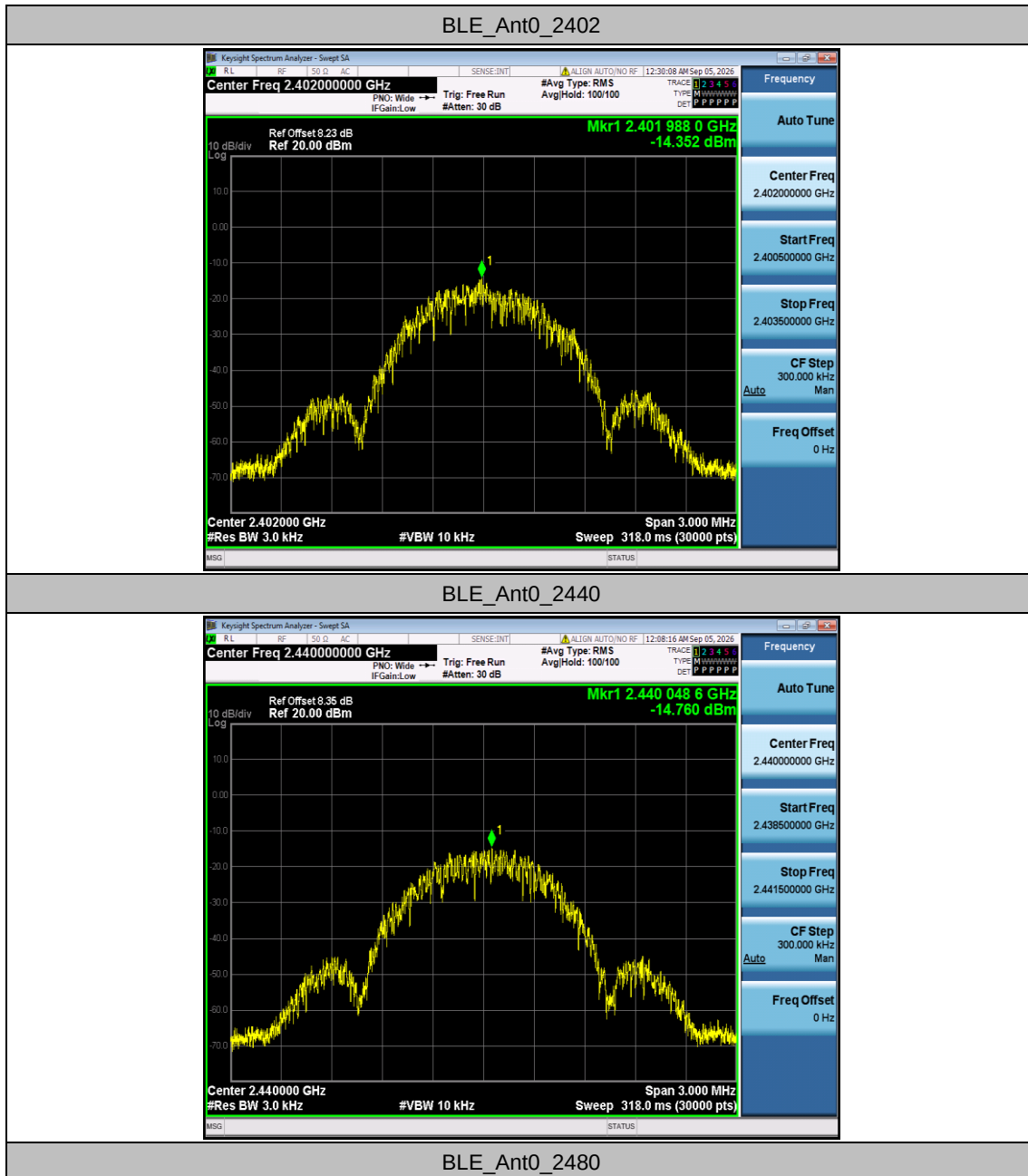
TestMode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE	Ant0	2402	1.48	≤30	PASS
		2440	2.58	≤30	PASS
		2480	3.12	≤30	PASS

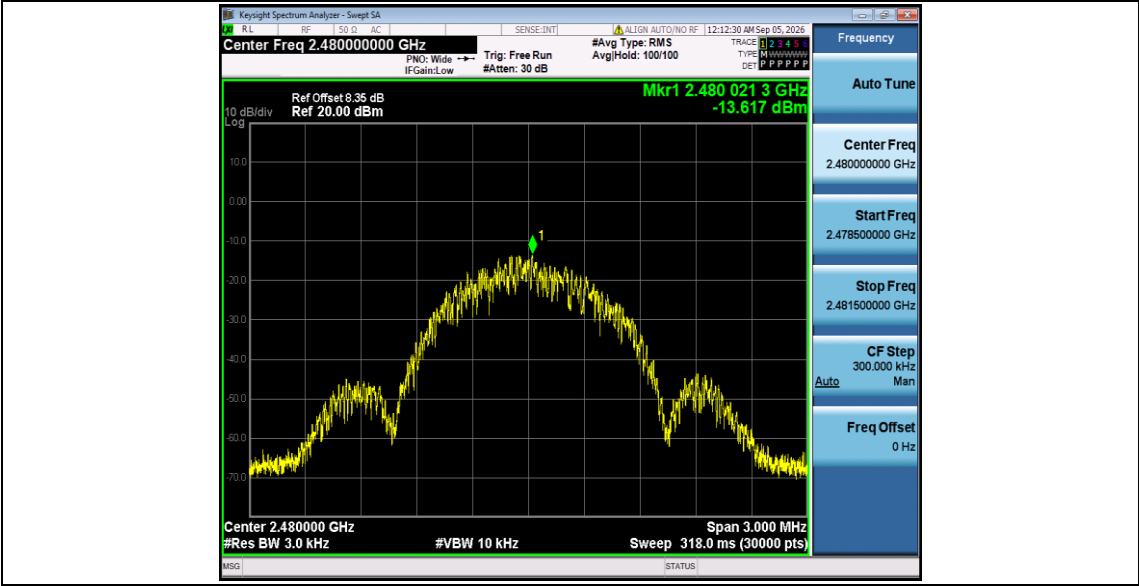
AppendixB.4: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant0	2402	-14.35	≤8.00	PASS
		2440	-14.76	≤8.00	PASS
		2480	-13.62	≤8.00	PASS

Test Graphs



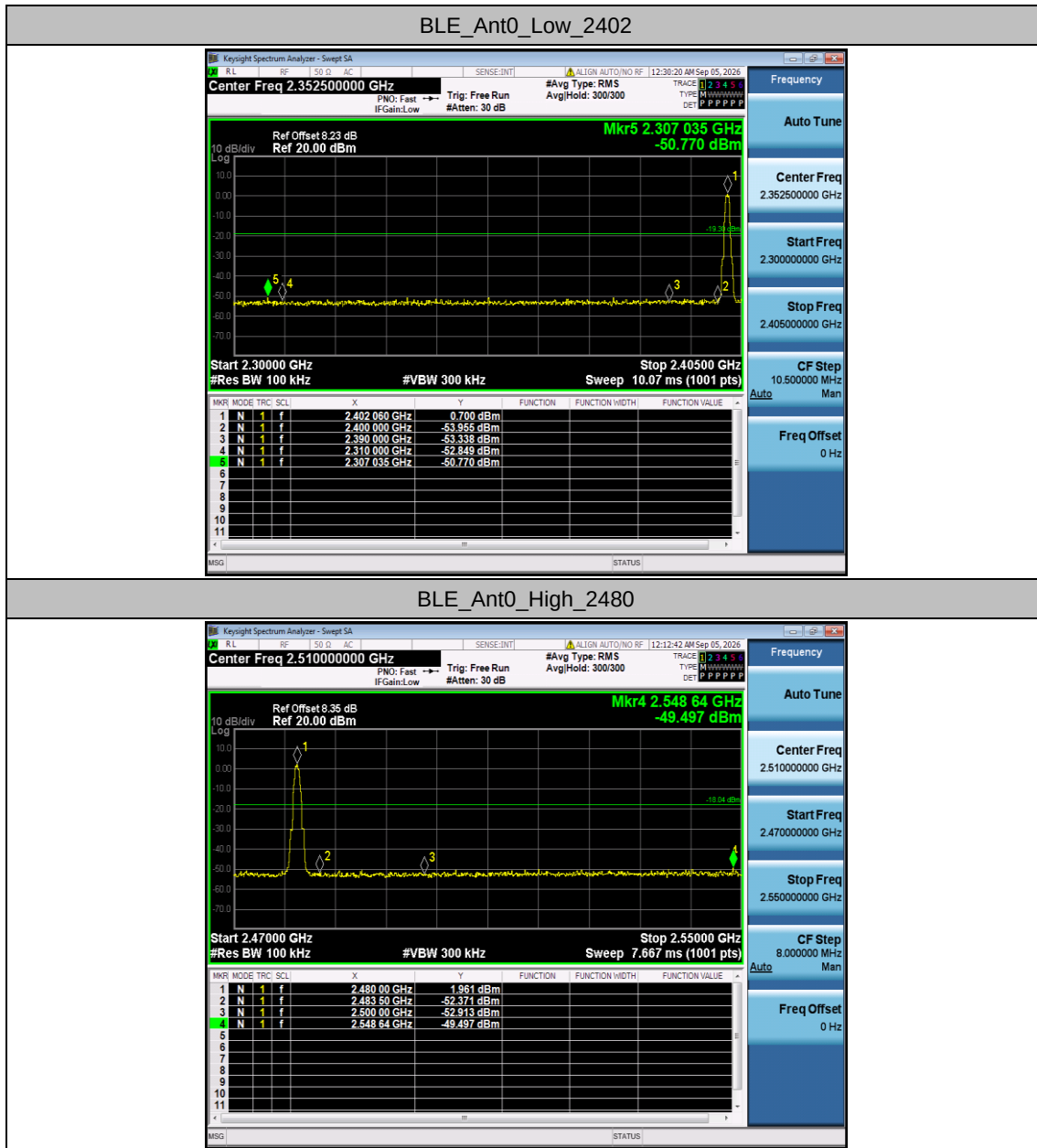


Appendix B.5: Band edge measurements

Test Result

TestMode	Antenna	ChName	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant0	Low	2402	0.70	-50.77	≤ -19.3	PASS
		High	2480	1.96	-49.5	≤ -18.04	PASS

Test Graphs

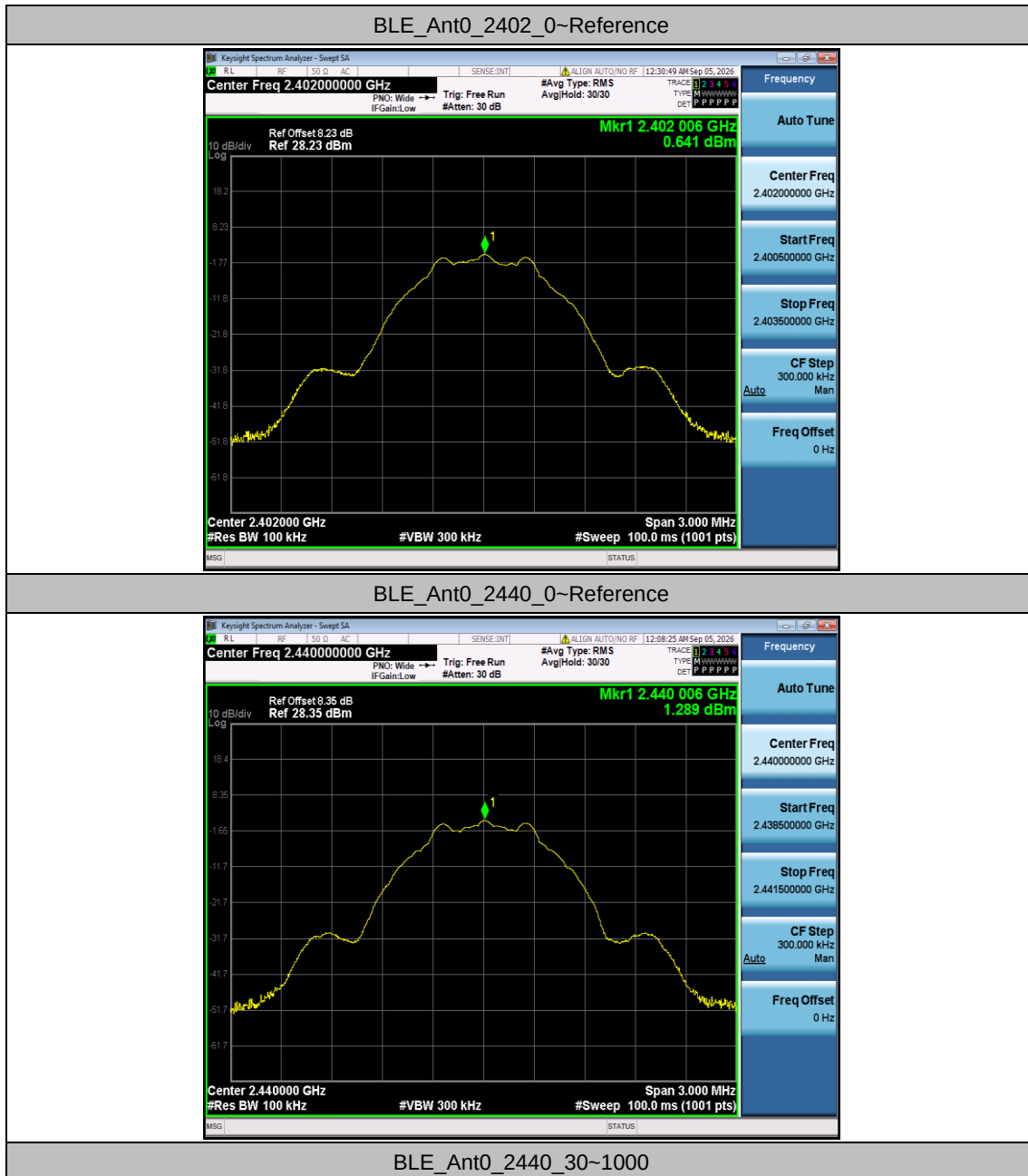


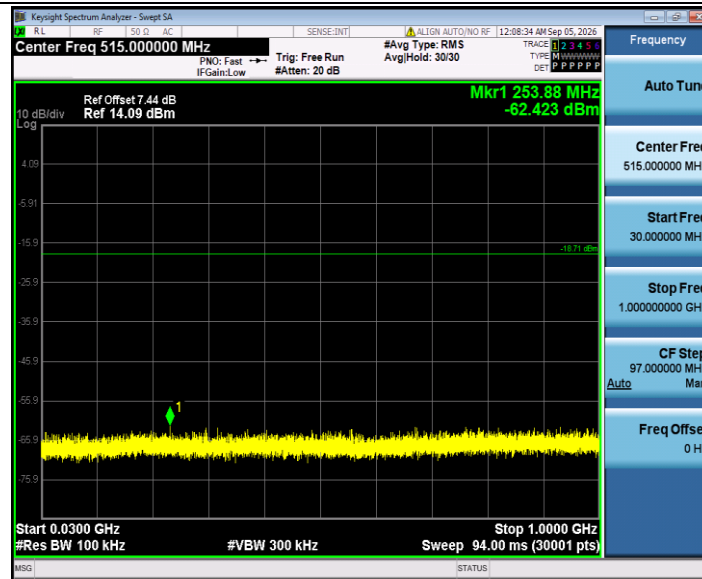
Appendix B.6: Conducted Spurious Emission

Test Result

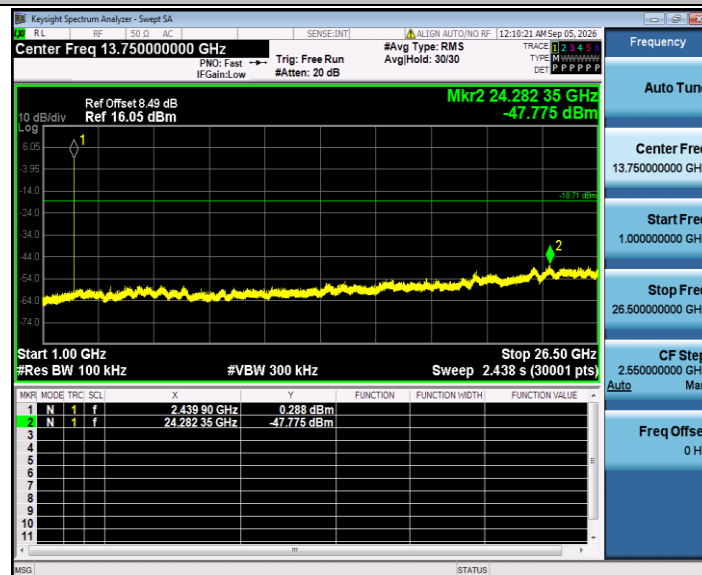
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant0	2402	Reference	0.64	0.64	---	PASS
		2440	Reference	1.29	1.29	---	PASS
			30~1000	1.29	-62.42	≤-18.71	PASS
			1000~26500	1.29	-47.78	≤-18.71	PASS
		2480	Reference	1.86	1.86	---	PASS
			30~1000	1.86	-62.23	≤-18.14	PASS
			1000~26500	1.86	-48.09	≤-18.14	PASS

Test Graphs

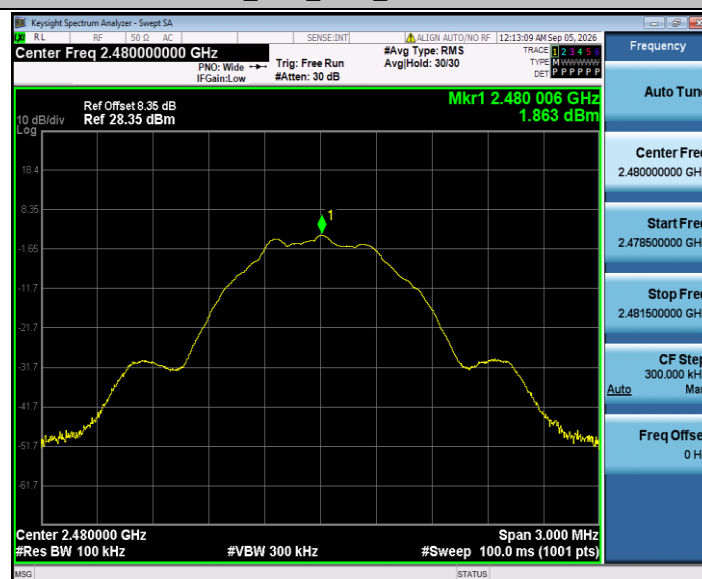


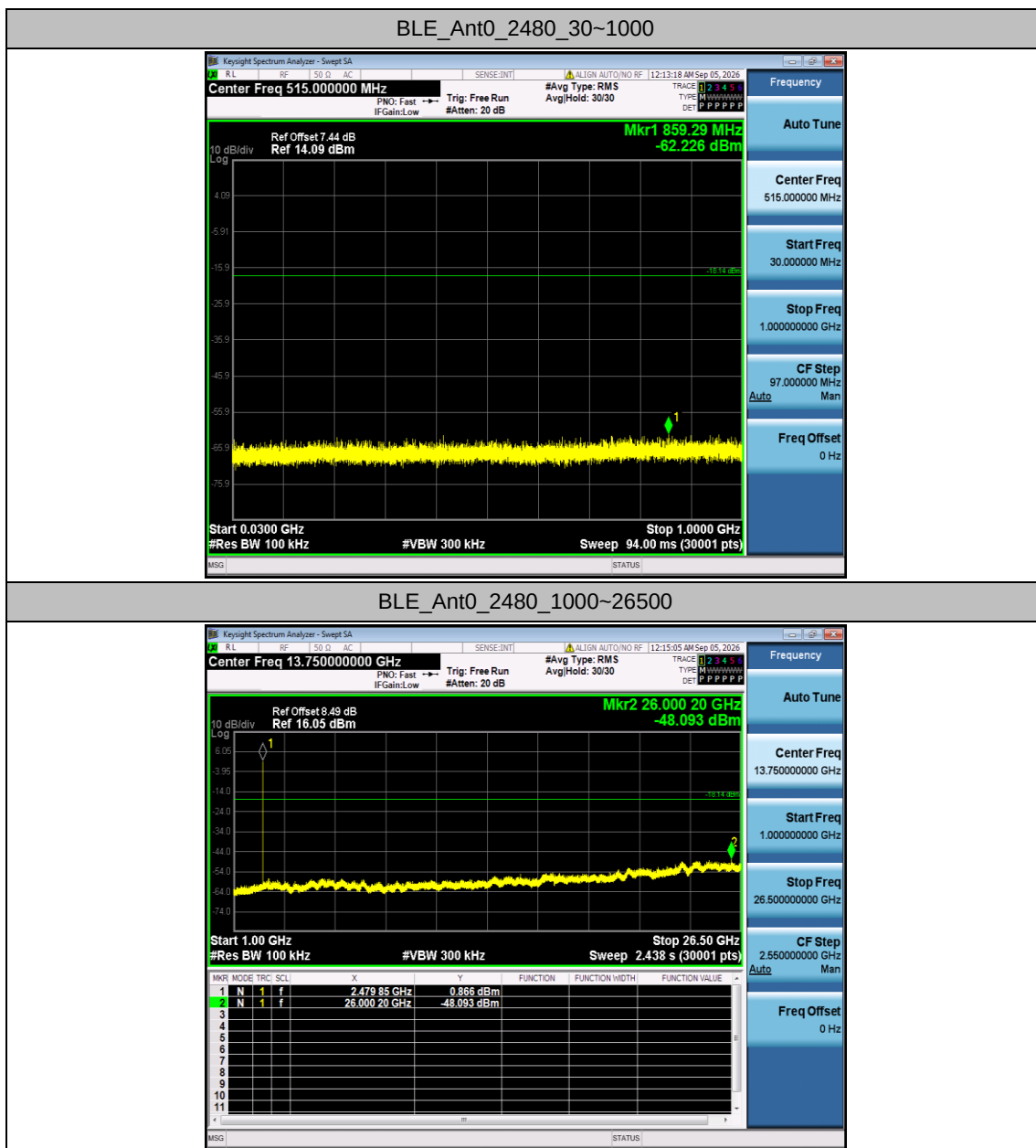


BLE_Ant0_2440_1000~26500



BLE_Ant0_2480_0-Reference



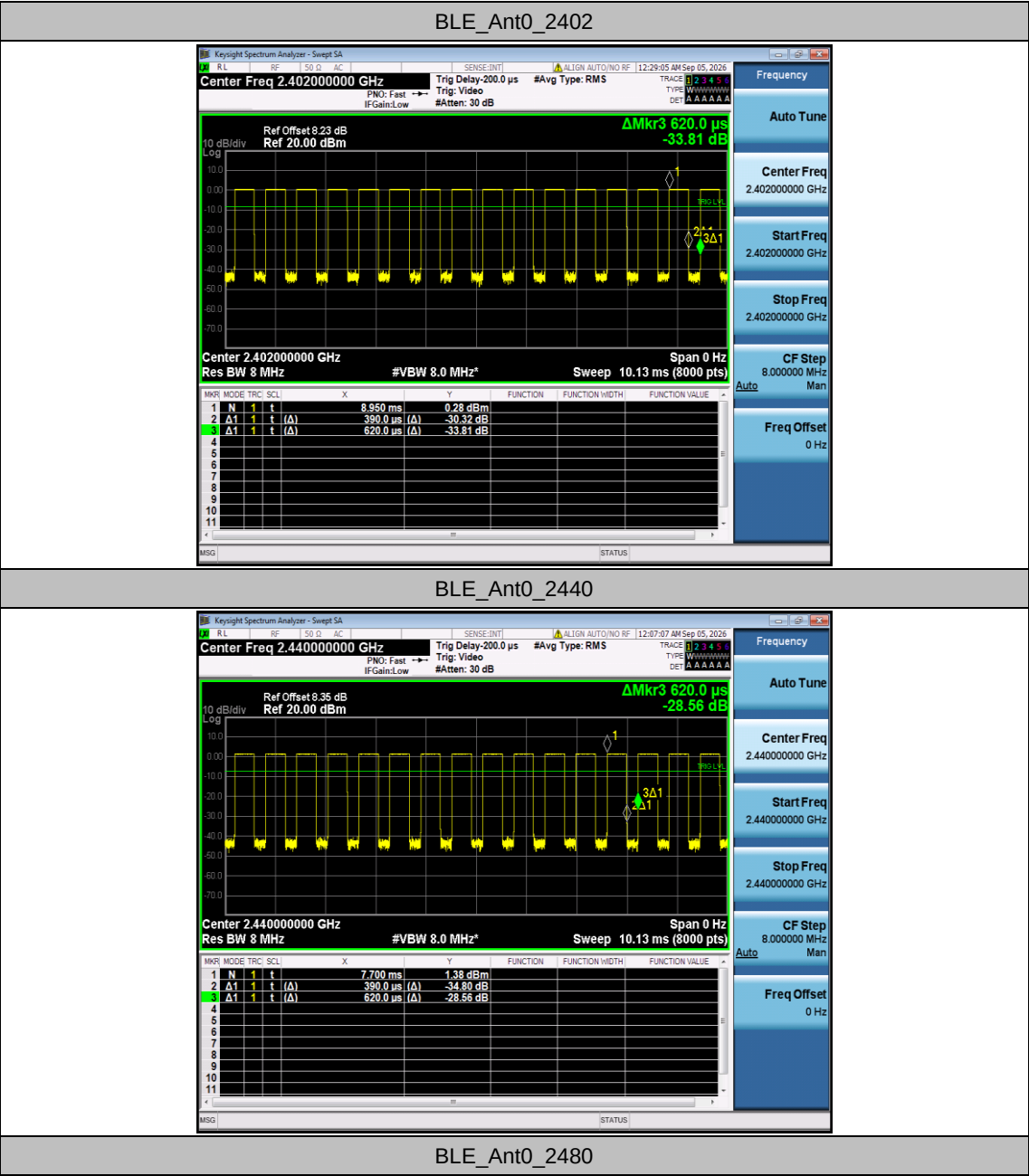


AppendixB.7: Duty Cycle

Test Result

TestMode	Antenna	Freq(MHz)	ON Time [ms]	Period [ms]	X	DC [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
BLE	Ant0	2402	0.39	0.62	0.6290	62.90	2.01	2.56
		2440	0.39	0.62	0.6290	62.90	2.01	2.56
		2480	0.39	0.63	0.6190	61.90	2.08	2.56

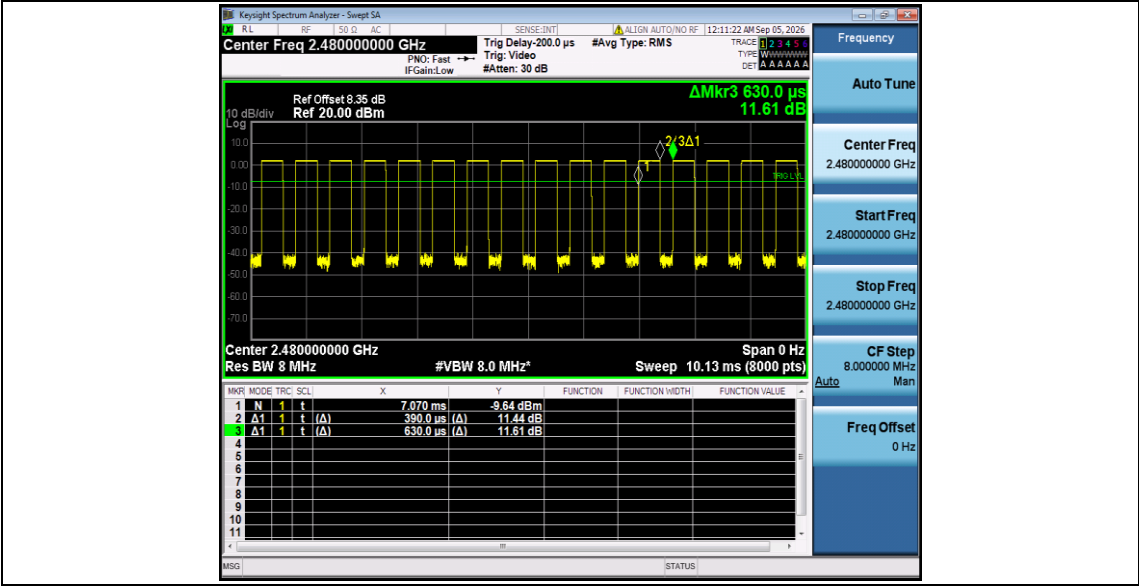
Test Graphs



BLE_Ant0_2440

Frequency
Auto Tune
Center Freq 2.440000000 GHz
Start Freq 2.440000000 GHz
Stop Freq 2.440000000 GHz
CF Step 8.000000 MHz
Freq Offset 0 Hz

BLE_Ant0_2480



Appendix B.8: Emissions in Restricted Bands

Test Result

TestMode	Antenna	ChName	Freq(MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
BLE	Ant0	Low	2402	AV	2310.000	-49.43	≤-41.20	45.77	≤54	PASS
				AV	2365.415	-48.46	≤-41.20	46.74	≤54	PASS
				AV	2390.000	-48.94	≤-41.20	46.26	≤54	PASS
				Peak	2310.000	-42.57	≤-21.20	52.63	≤74	PASS
				Peak	2359.325	-38.58	≤-21.20	56.62	≤74	PASS
				Peak	2390.000	-42.93	≤-21.20	52.27	≤74	PASS
		High	2480	AV	2483.500	-47.56	≤-41.20	47.64	≤54	PASS
				AV	2483.520	-47.56	≤-41.20	47.64	≤54	PASS
				AV	2500.000	-48.46	≤-41.20	46.74	≤54	PASS
				Peak	2483.500	-41.11	≤-21.20	54.09	≤74	PASS
				Peak	2496.560	-39.38	≤-21.20	55.82	≤74	PASS
				Peak	2500.000	-42.16	≤-21.20	53.04	≤74	PASS

Note:

1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

