

Case No. : <u>GTS20260819006-1-01</u>	
Ambient Condition: <u>23</u> °C, <u>50</u> %RH	
According Standard: ■Part15C	
Test Date: <u>2026.8.24-2026.9.3</u>	Test Engineer: <u>Evan ouyang</u>

Appendix A.1: DTS Bandwidth

Test Result

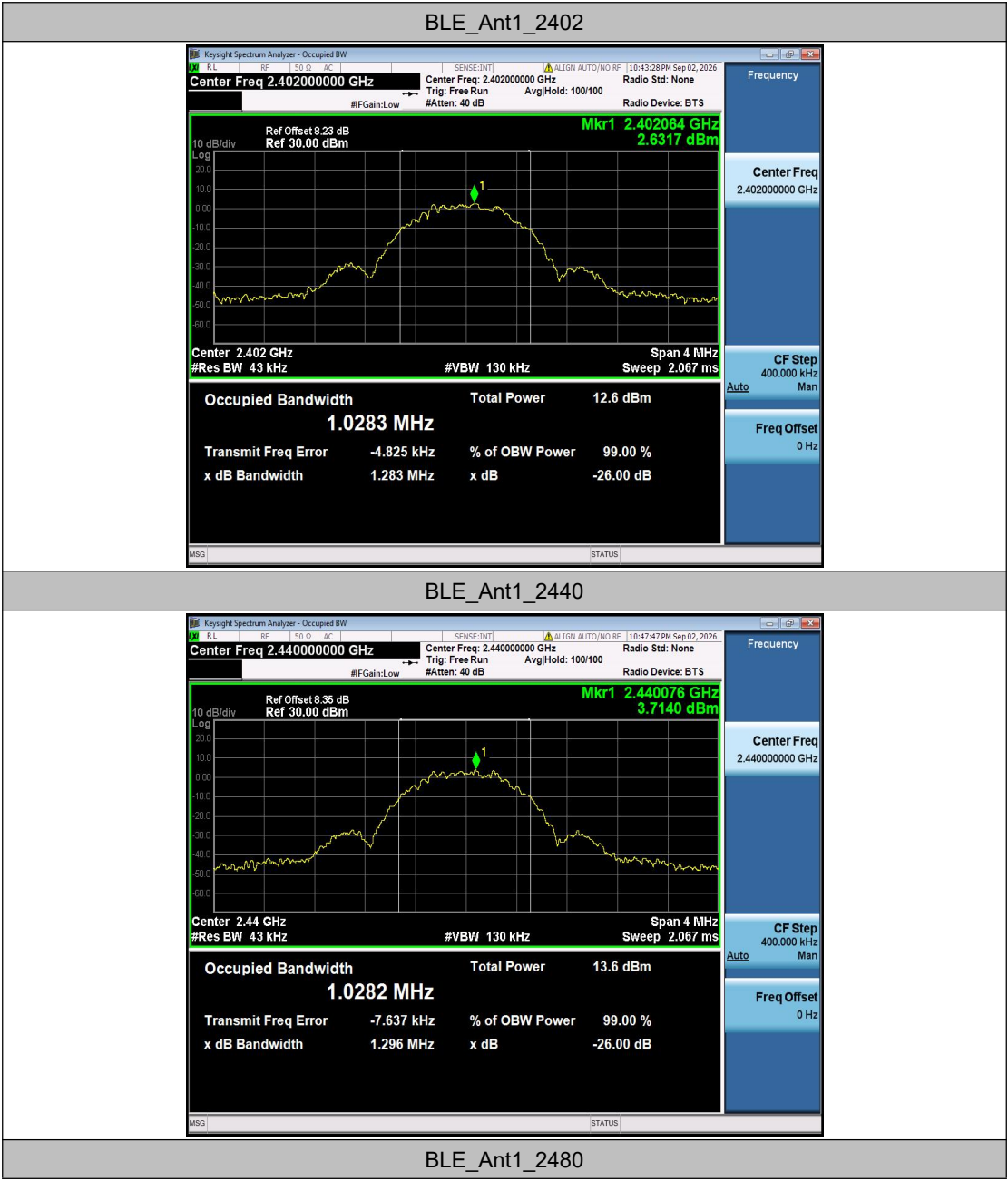
TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	0.664	2401.656	2402.320	0.5	PASS
		2440	0.692	2439.640	2440.332	0.5	PASS
		2480	0.688	2479.640	2480.328	0.5	PASS

Appendix A.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	1.0283	2401.4810	2402.5093	---	---
		2440	1.0282	2439.4783	2440.5065	---	---
		2480	1.0179	2479.4824	2480.5003	---	---

Test Graphs





Appendix A.3: Maximum conducted output power

Test Result

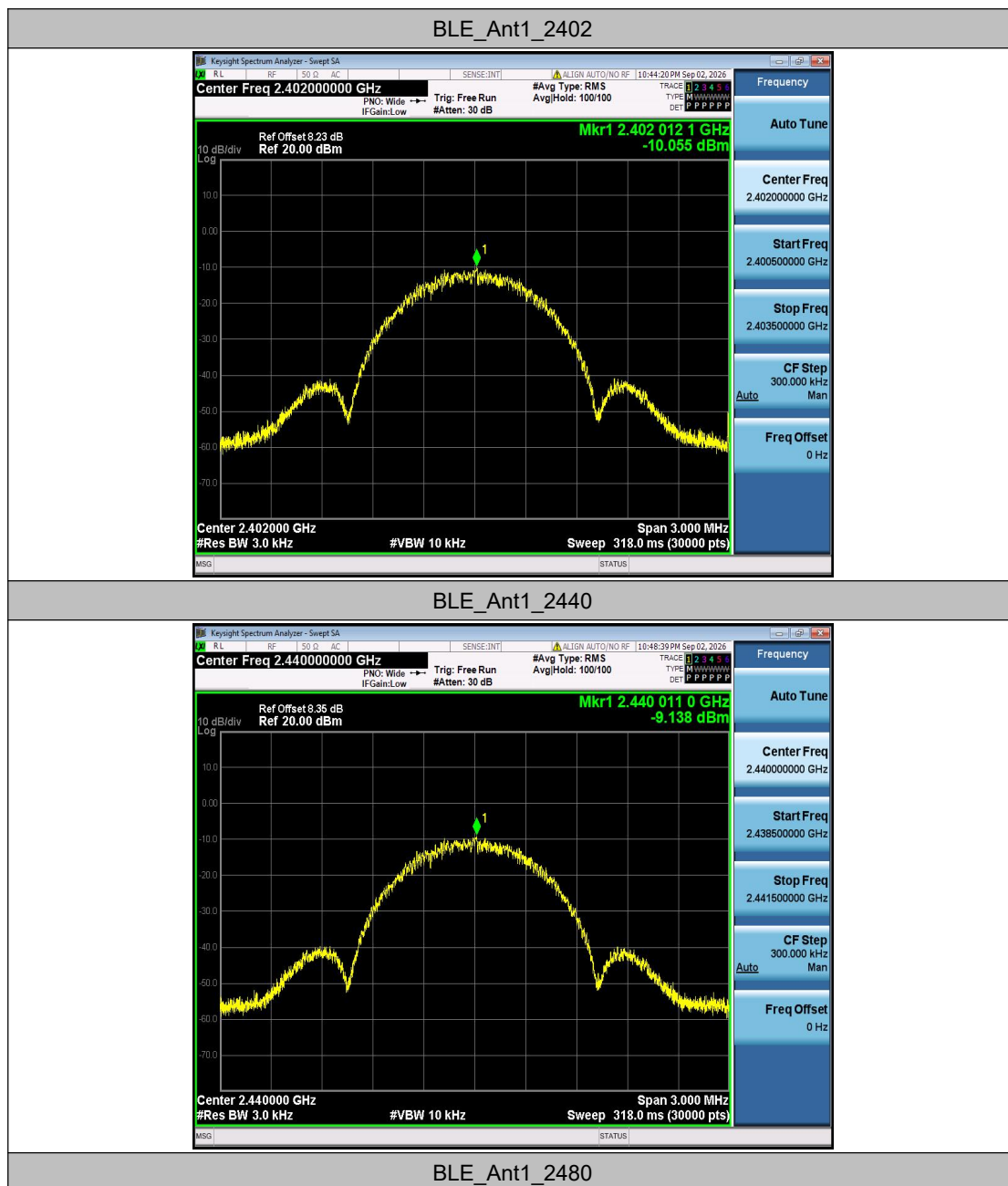
TestMode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE	Ant1	2402	5.94	≤30	PASS
		2440	6.96	≤30	PASS
		2480	6.72	≤30	PASS

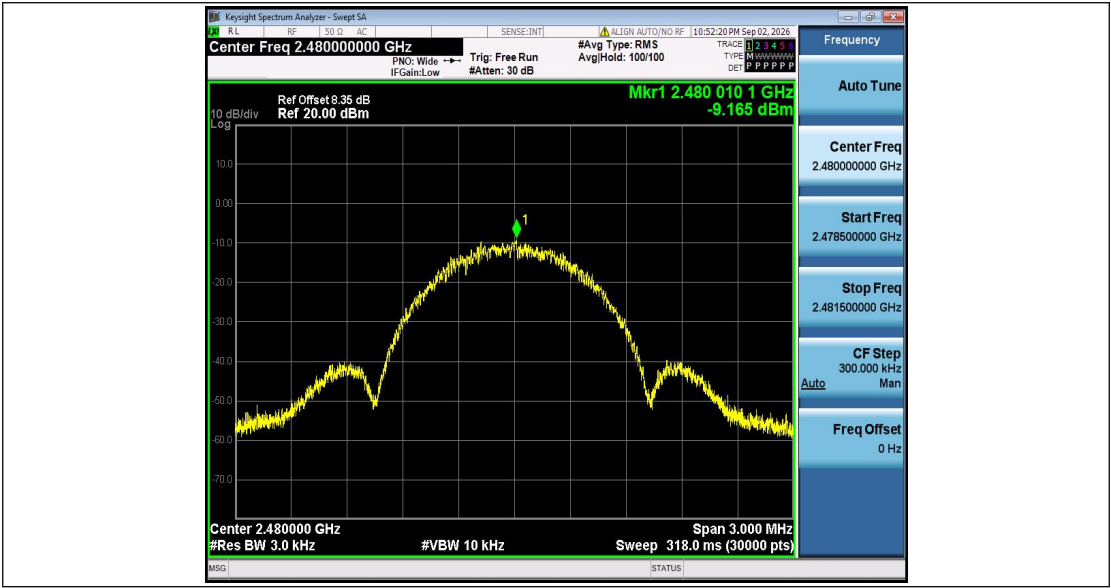
Appendix A.4: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-10.06	≤ 8.00	PASS
		2440	-9.14	≤ 8.00	PASS
		2480	-9.17	≤ 8.00	PASS

Test Graphs



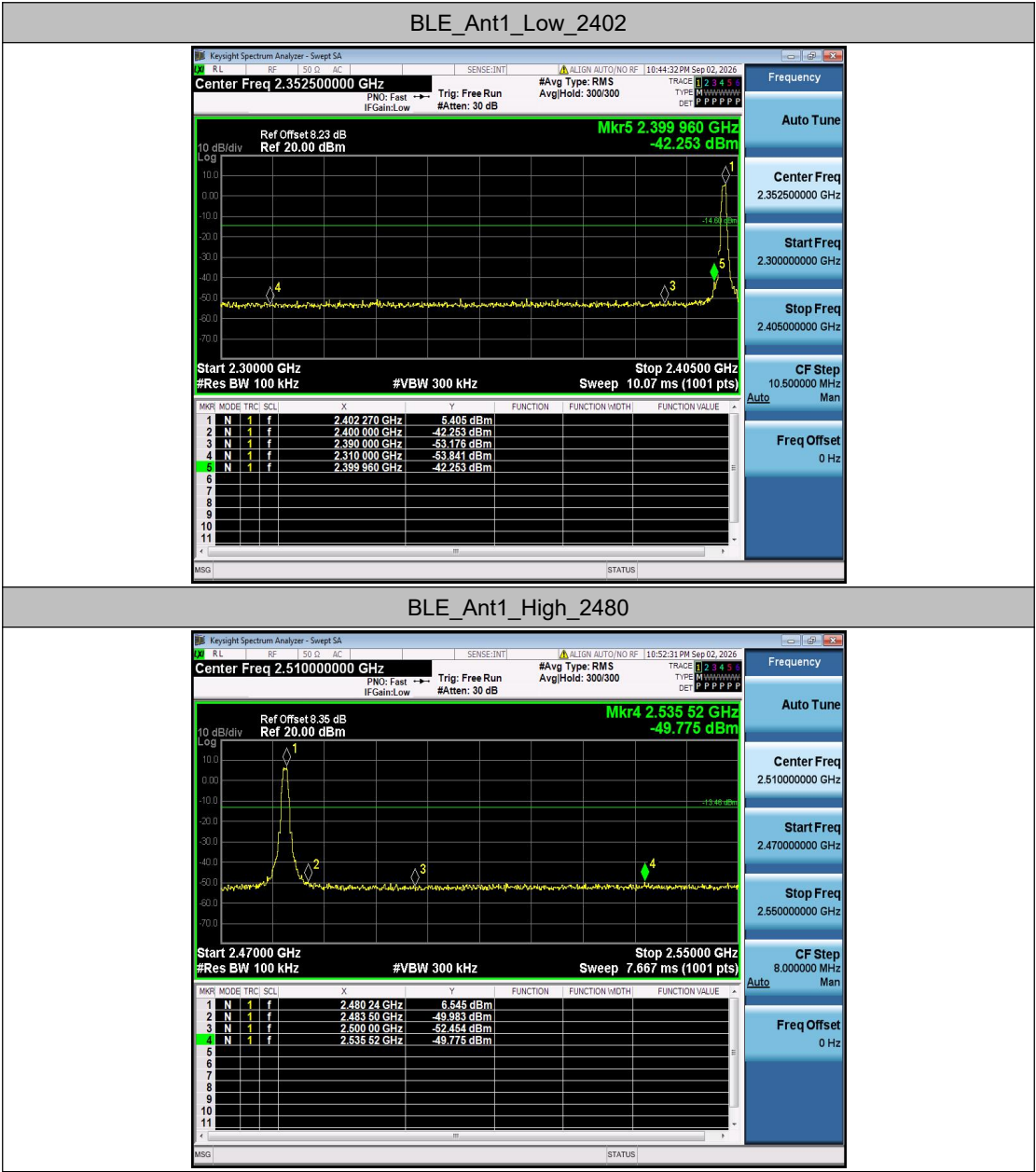


Appendix A.5: Band edge measurements

Test Result

TestMode	Antenna	Channel	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	5.41	-42.25	≤-14.6	PASS
		High	2480	6.55	-49.78	≤-13.46	PASS

Test Graphs

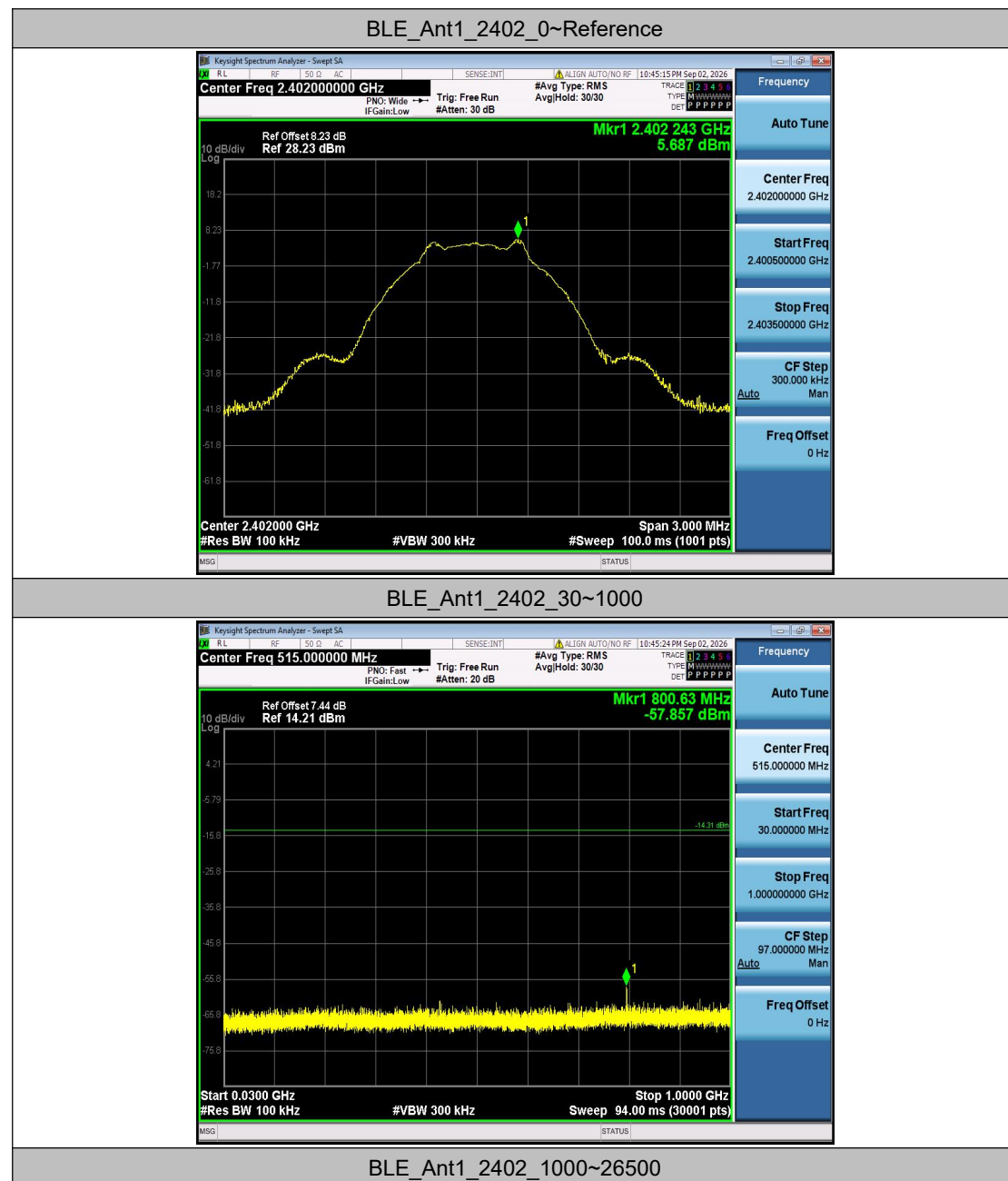


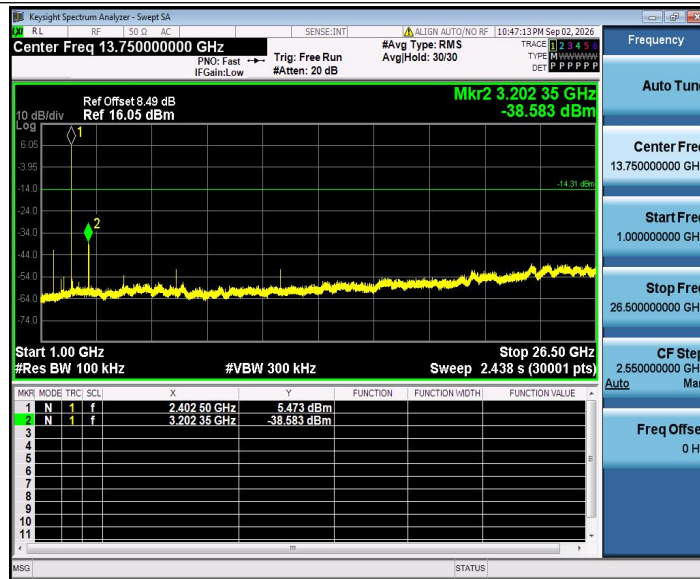
Appendix A.6: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	5.69	5.69	---	PASS
			30~1000	5.69	-57.86	≤-14.31	PASS
			1000~26500	5.69	-38.58	≤-14.31	PASS
		2440	Reference	6.72	6.72	---	PASS
			30~1000	6.72	-56.18	≤-13.28	PASS
			1000~26500	6.72	-39.6	≤-13.28	PASS
		2480	Reference	6.56	6.56	---	PASS
			30~1000	6.56	-57.64	≤-13.44	PASS
			1000~26500	6.56	-41.47	≤-13.44	PASS

Test Graphs

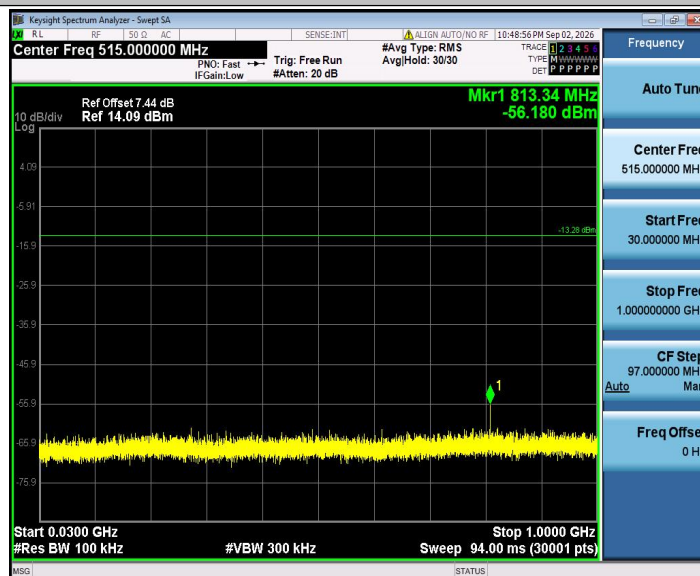


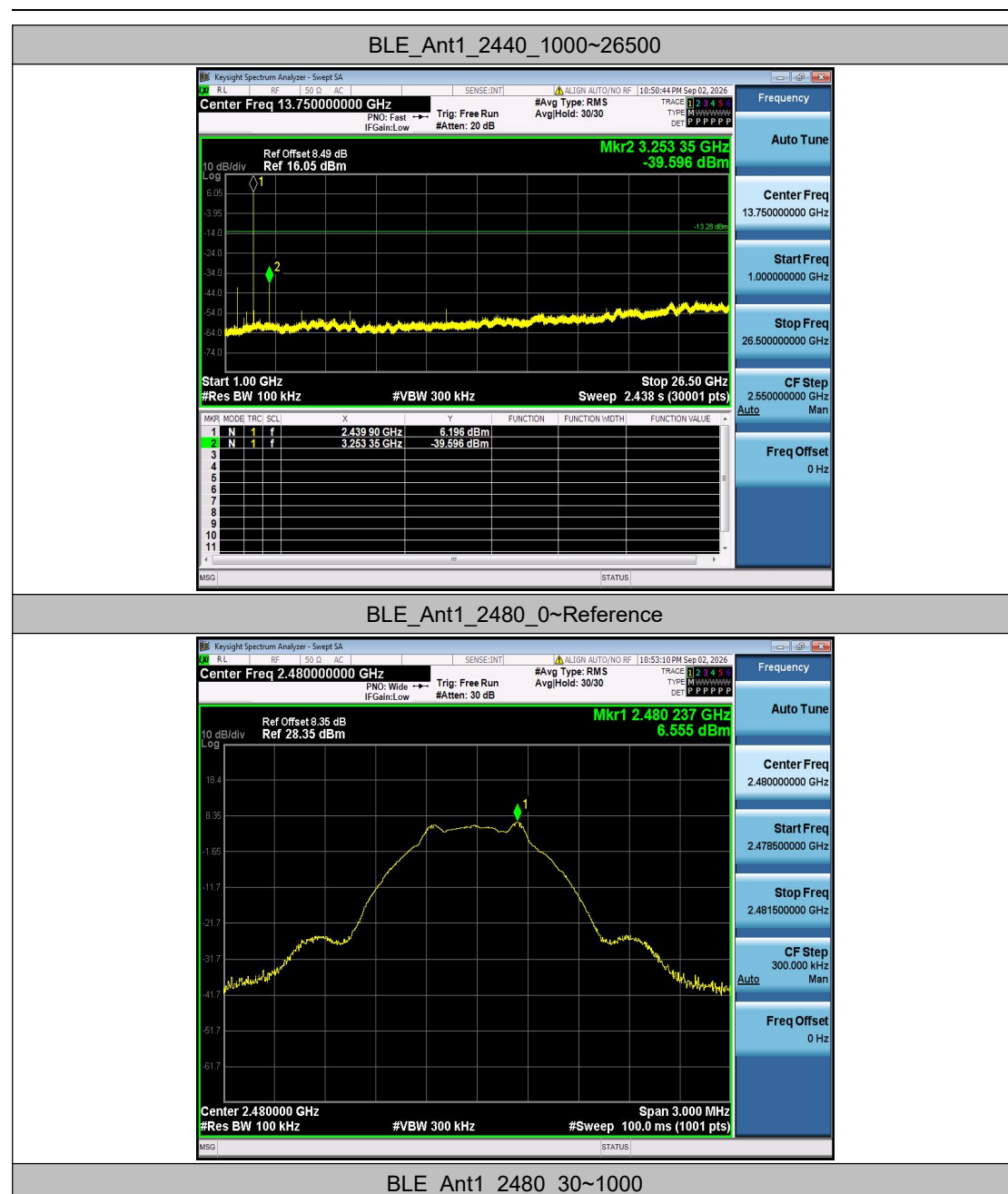


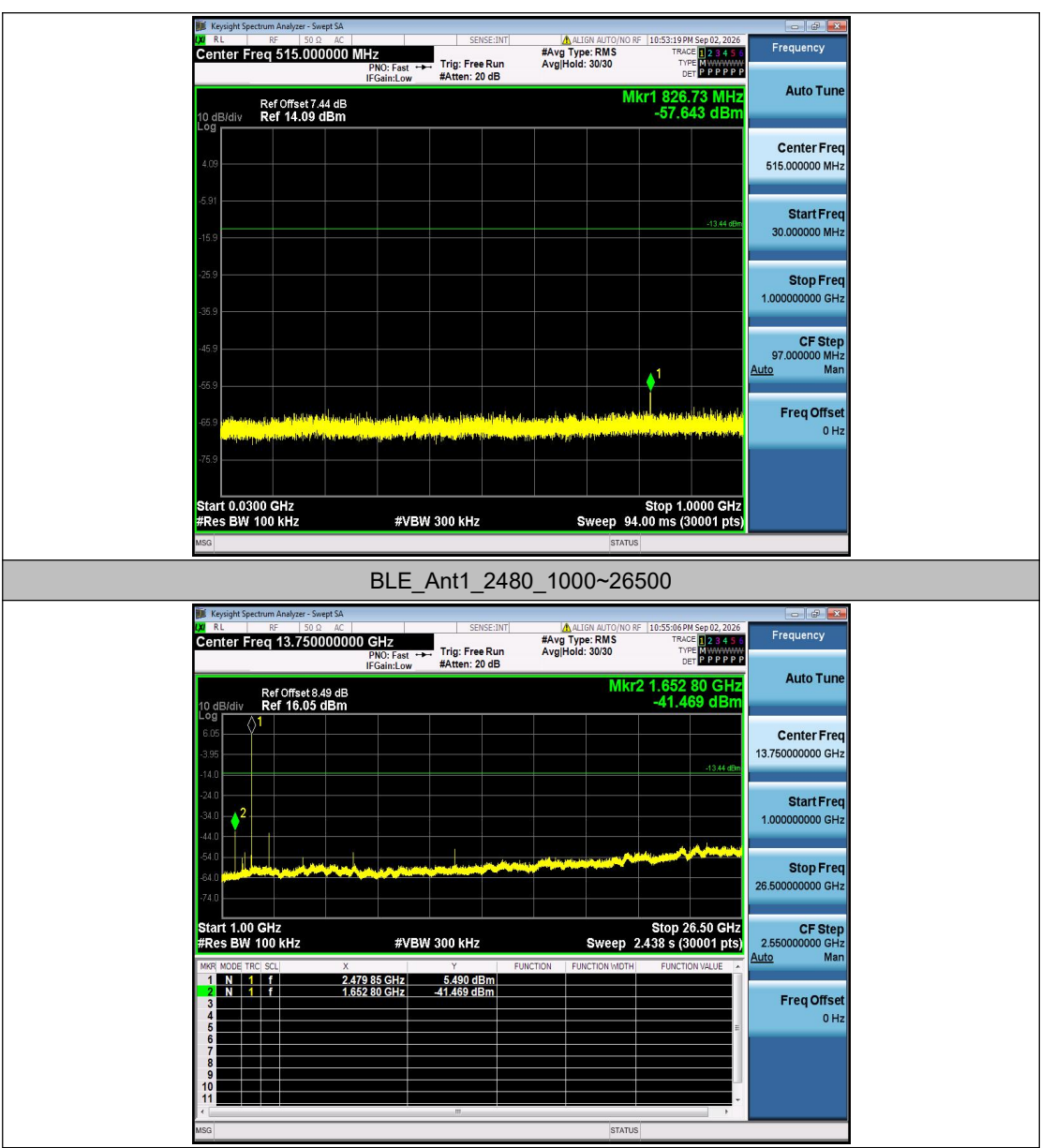
BLE_Ant1_2440_0~Reference



BLE_Ant1_2440_30~1000





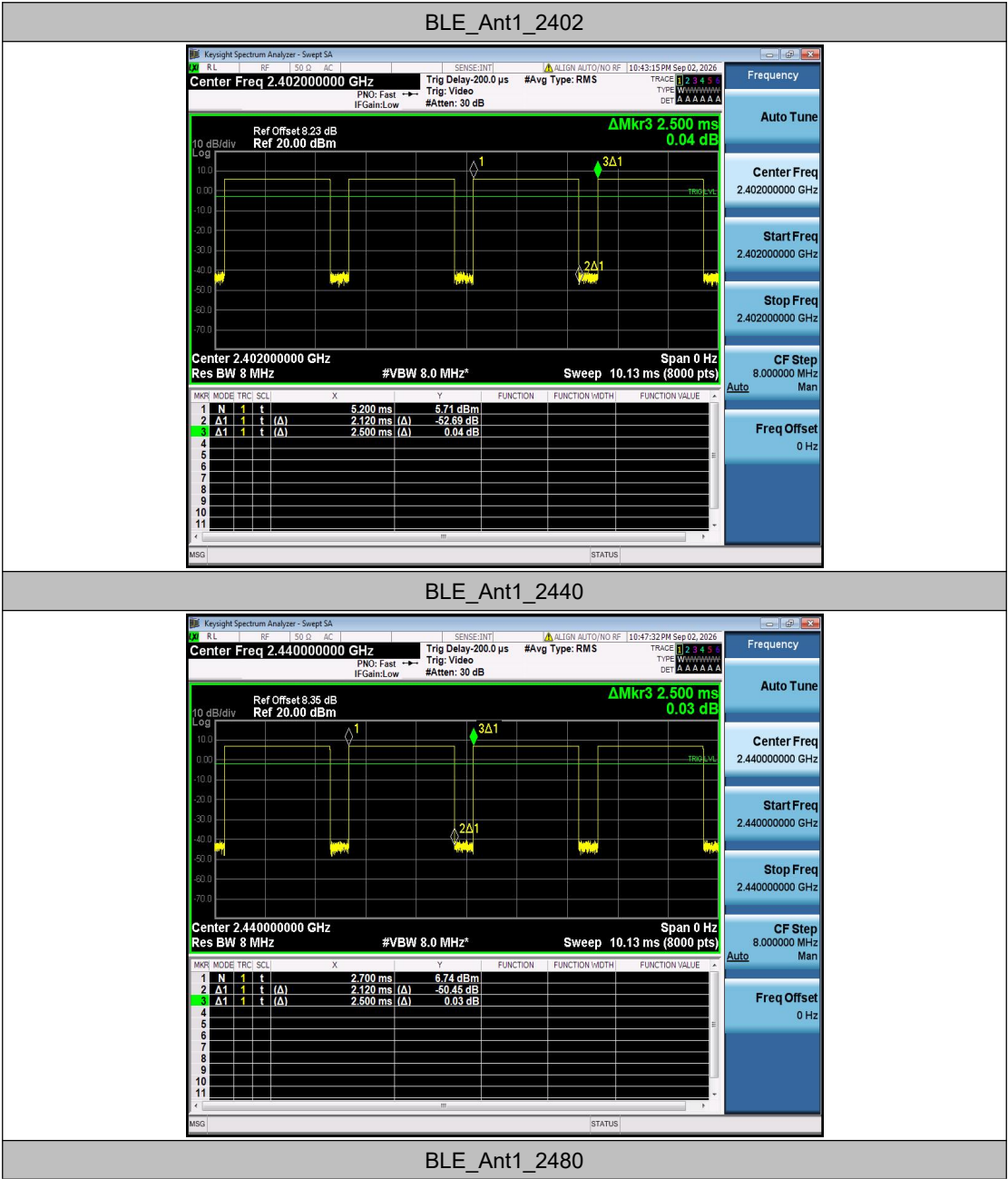


Appendix A.7: Duty Cycle

Test Result

TestMode	Antenna	Freq(MHz)	ON Time [ms]	Period [ms]	X	DC [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
BLE	Ant1	2402	2.12	2.50	0.8480	84.80	0.72	0.47
		2440	2.12	2.50	0.8480	84.80	0.72	0.47
		2480	2.12	2.50	0.8480	84.80	0.72	0.47

Test Graphs



BLE_Ant1_2440

KeySight Spectrum Analyzer - Swept SA

RF: 150.0 AC

SENSE:INT

ALIGN AUTO/NO RF

10:47:32 PM Sep 02, 2026

Center Freq 2.440000000 GHz

Trig Delay: 200.0 μ s

#Avg Type: RMS

TYPE WWWWWWW

DET AAAAAA

Ref Offset 8.36 dB

Ref 20.00 dBm

Δ Mkr3 2.500 ms

0.03 dB

10 dB/div

1

3 Δ 1

2 Δ 1

Center 2.440000000 GHz

Res BW 8 MHz

#VBW 8.0 MHz*

Sweep 10.13 ms (8000 pts)

Span 0 Hz

Auto

Auto Tune

Center Freq 2.440000000 GHz

Start Freq 2.440000000 GHz

Stop Freq 2.440000000 GHz

CF Step 8.000000 MHz

Man

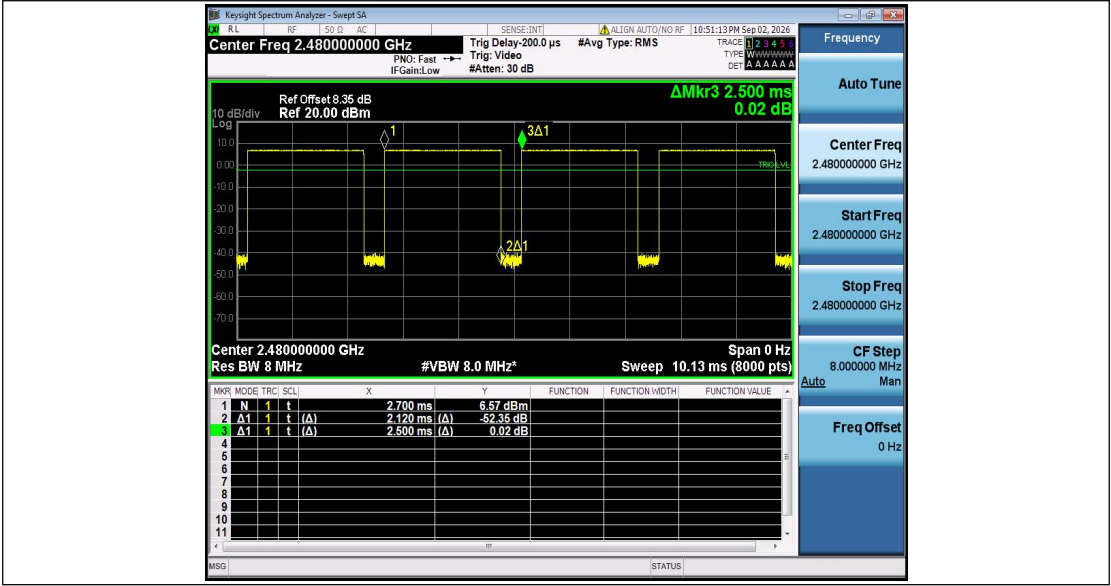
Freq Offset 0 Hz

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION (MATH)	FUNCTION VALUE
1	N	1	t	2.700 ms	6.74 dBm			
2	Δ 1	1	t (A)	2.120 ms (A)	-50.45 dB			
3	Δ 1	1	t (A)	2.500 ms (A)	0.03 dB			

MSG

STATUS

BLE_Ant1_2480



Appendix A.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	Ant1	Low	2402	AV	2310.000	-49.82	≤-41.20	45.38	≤54	PASS
				AV	2388.515	-49.32	≤-41.20	45.88	≤54	PASS
				AV	2390.000	-49.39	≤-41.20	45.81	≤54	PASS
				Peak	2310.000	-42.13	≤-21.20	53.07	≤74	PASS
				Peak	2320.370	-39.11	≤-21.20	56.09	≤74	PASS
				Peak	2390.000	-41.24	≤-21.20	53.96	≤74	PASS
		High	2480	AV	2483.500	-45.42	≤-41.20	49.78	≤54	PASS
				AV	2483.520	-45.42	≤-41.20	49.78	≤54	PASS
				AV	2500.000	-48.83	≤-41.20	46.37	≤54	PASS
				Peak	2483.500	-40.68	≤-21.20	54.52	≤74	PASS
				Peak	2484.720	-37.93	≤-21.20	57.27	≤74	PASS
				Peak	2500.000	-42.32	≤-21.20	52.88	≤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

