

Case No. : <u>GTS20260804015-1-03</u>	
Ambient Condition: <u>24</u> °C, <u>49</u> %RH	
According Standard: ■Part15C	
Test Date: <u>2026.8.13-2026.8.20</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	0.652	2401.744	2402.396	0.5	PASS
		2440	0.636	2439.748	2440.384	0.5	PASS
		2480	0.640	2479.744	2480.384	0.5	PASS

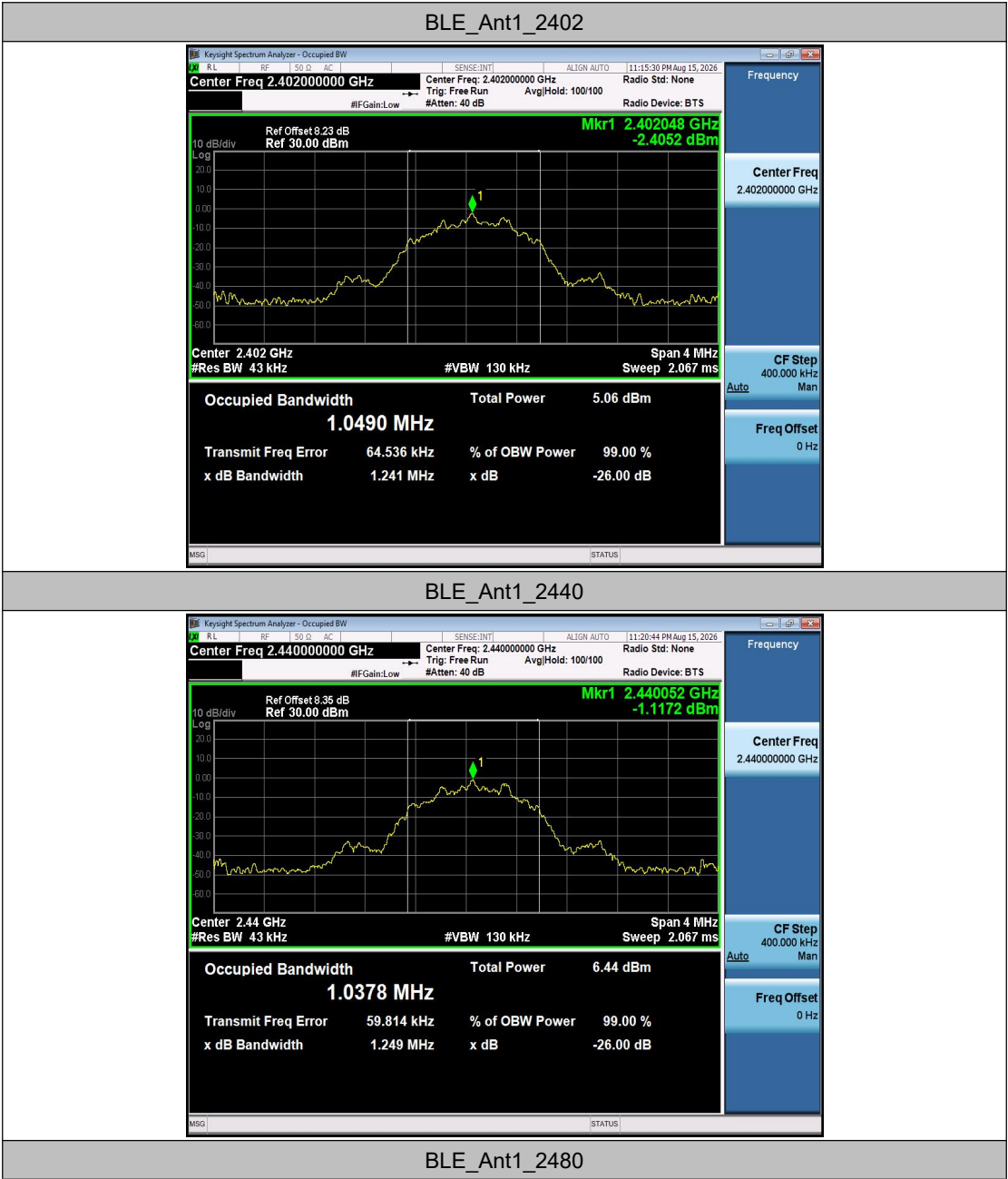


Appendix A.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	1.0490	2401.5400	2402.5890	---	---
		2440	1.0378	2439.5409	2440.5787	---	---
		2480	1.0523	2479.5442	2480.5965	---	---

Test Graphs





Appendix A.3: Maximum conducted output power

Test Result Peak

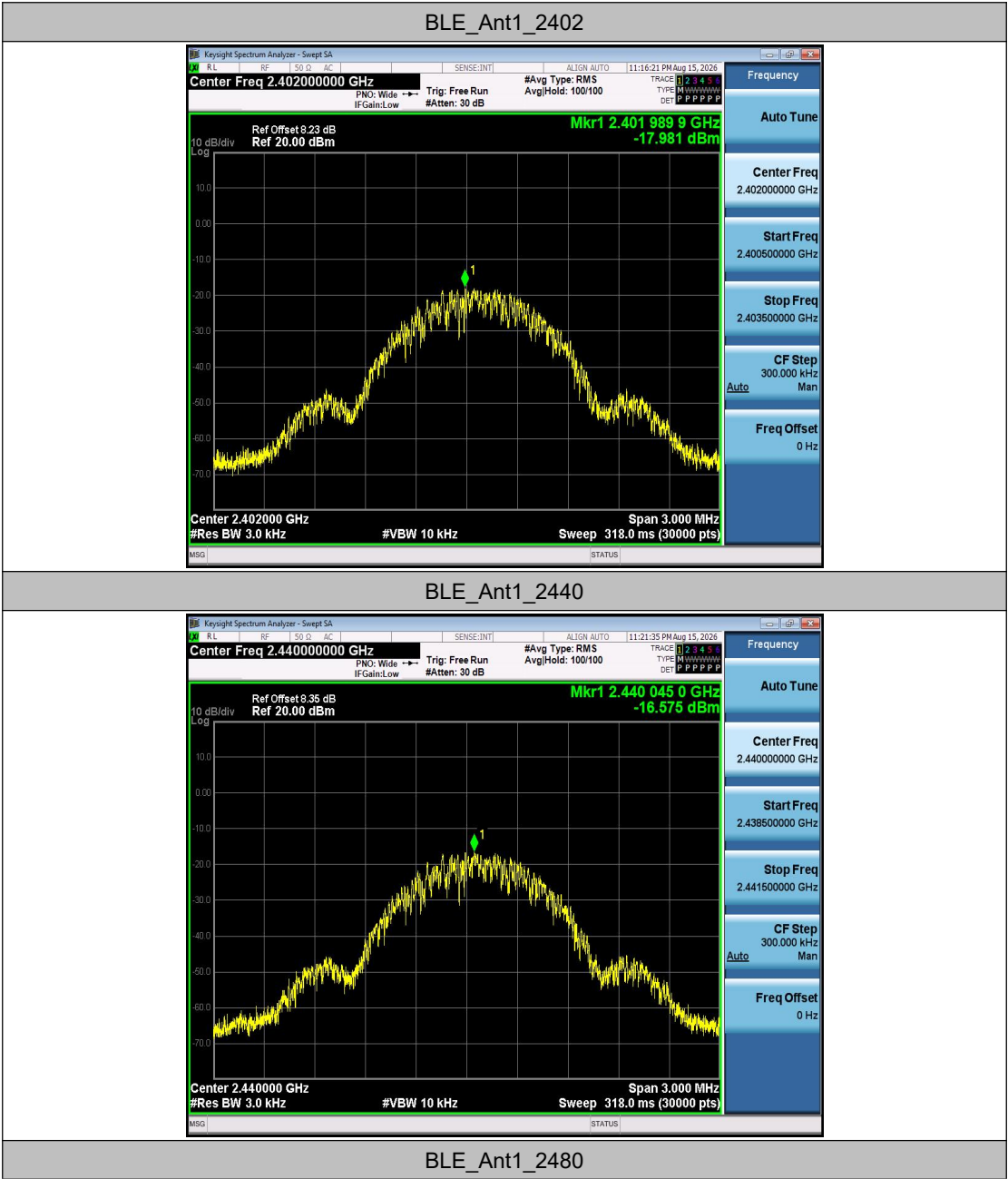
TestMode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE	Ant1	2402	-1.67	≤30	PASS
		2440	-0.37	≤30	PASS
		2480	-0.83	≤30	PASS

Appendix A.4: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-17.98	≤ 8.00	PASS
		2440	-16.58	≤ 8.00	PASS
		2480	-16.65	≤ 8.00	PASS

Test Graphs



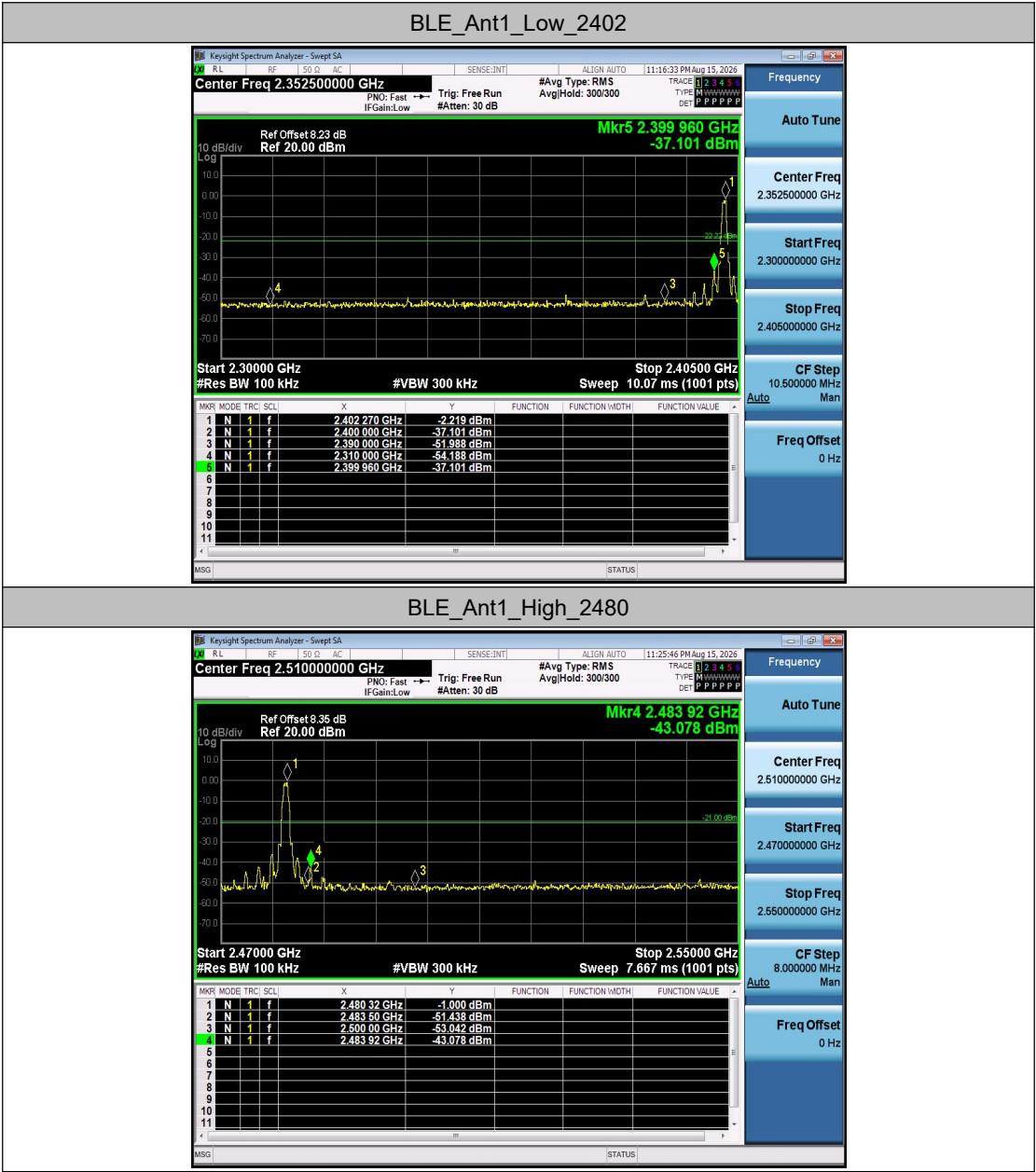


Appendix A.5: Band edge measurements

Test Result

TestMod e	Antenn a	ChNam e	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdic t
BLE	Ant1	Low	2402	-2.22	-37.1	≤ -22.22	PASS
		High	2480	-1.00	-43.08	≤ -21	PASS

Test Graphs

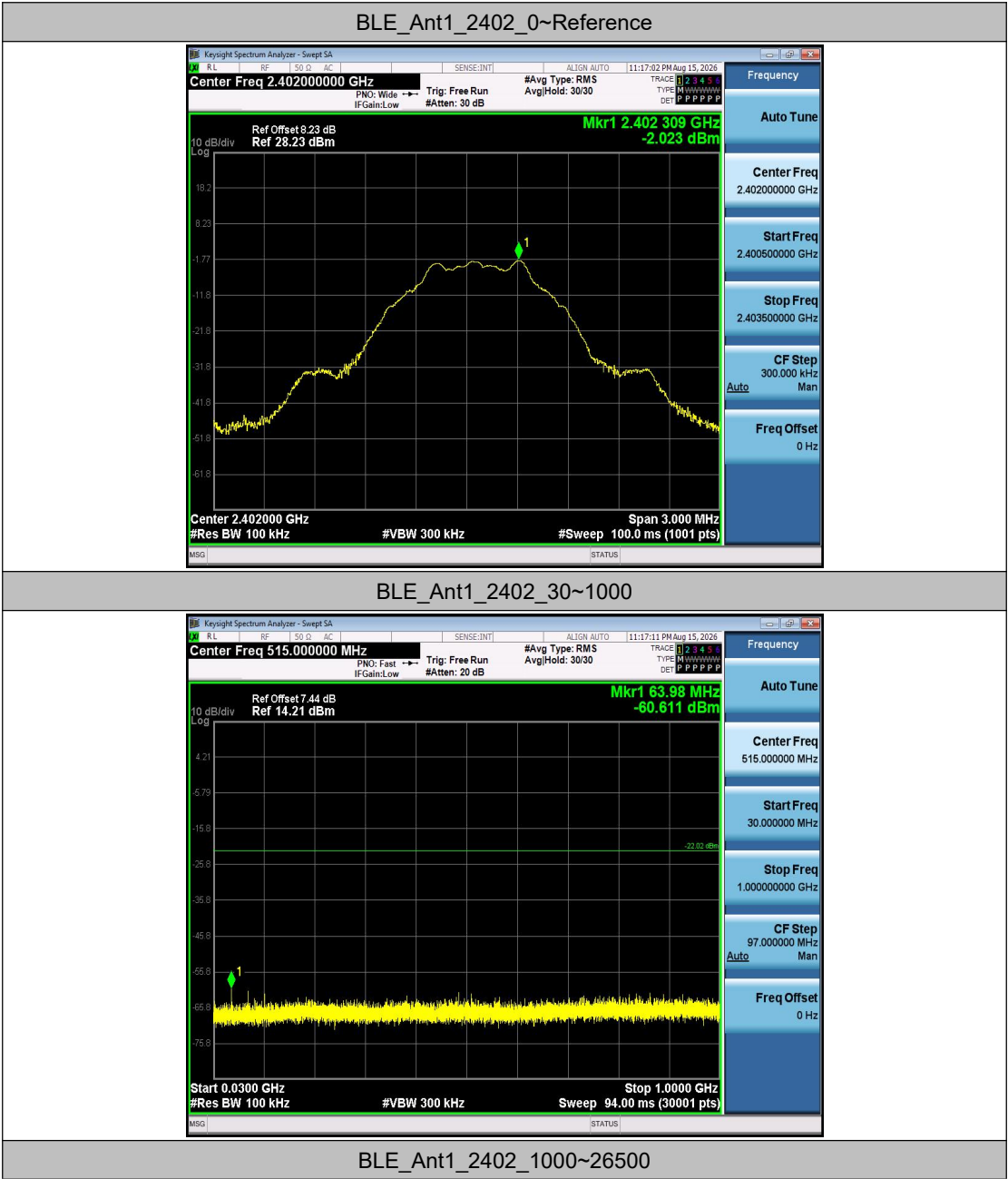


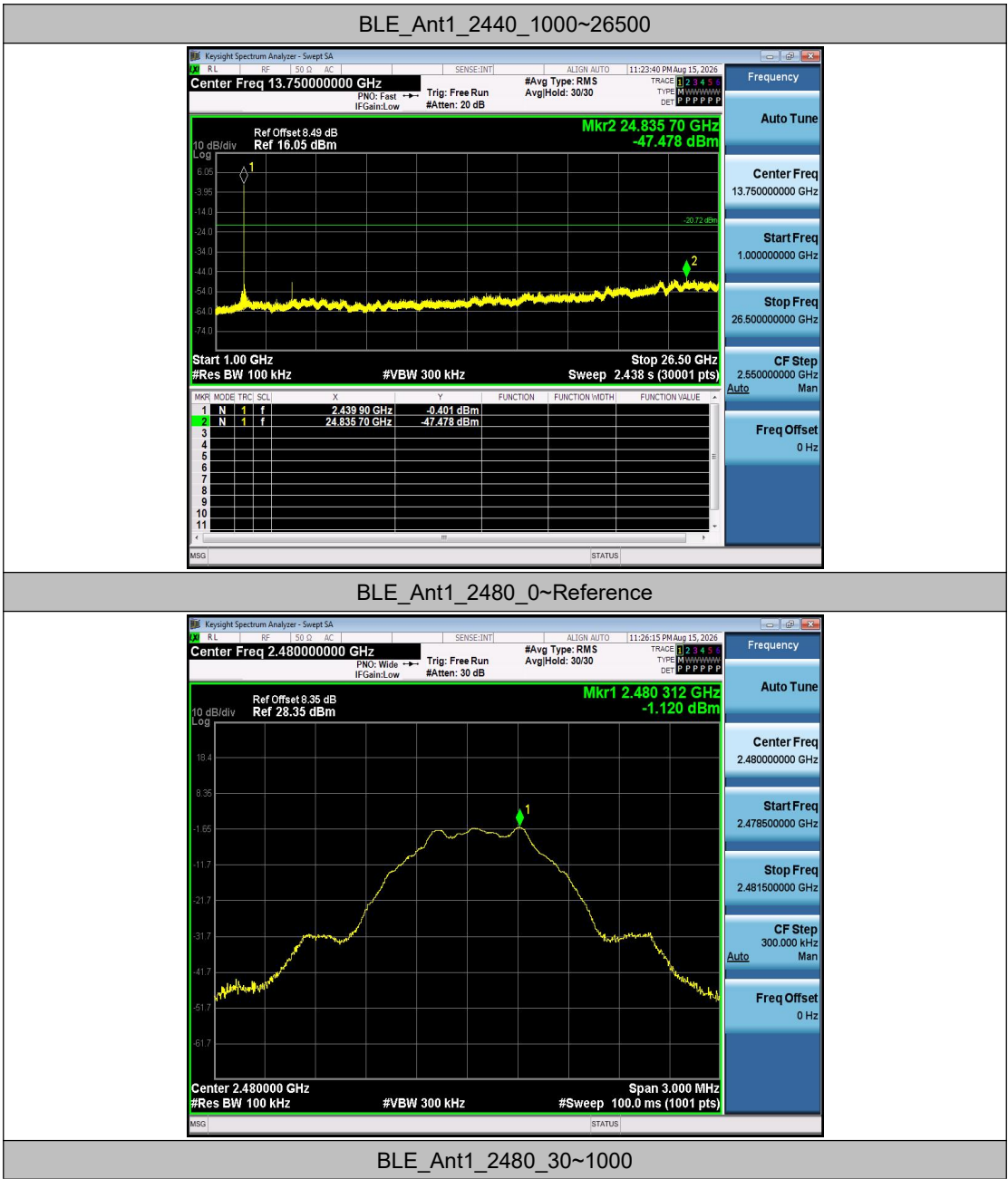
Appendix A.6: Conducted Spurious Emission

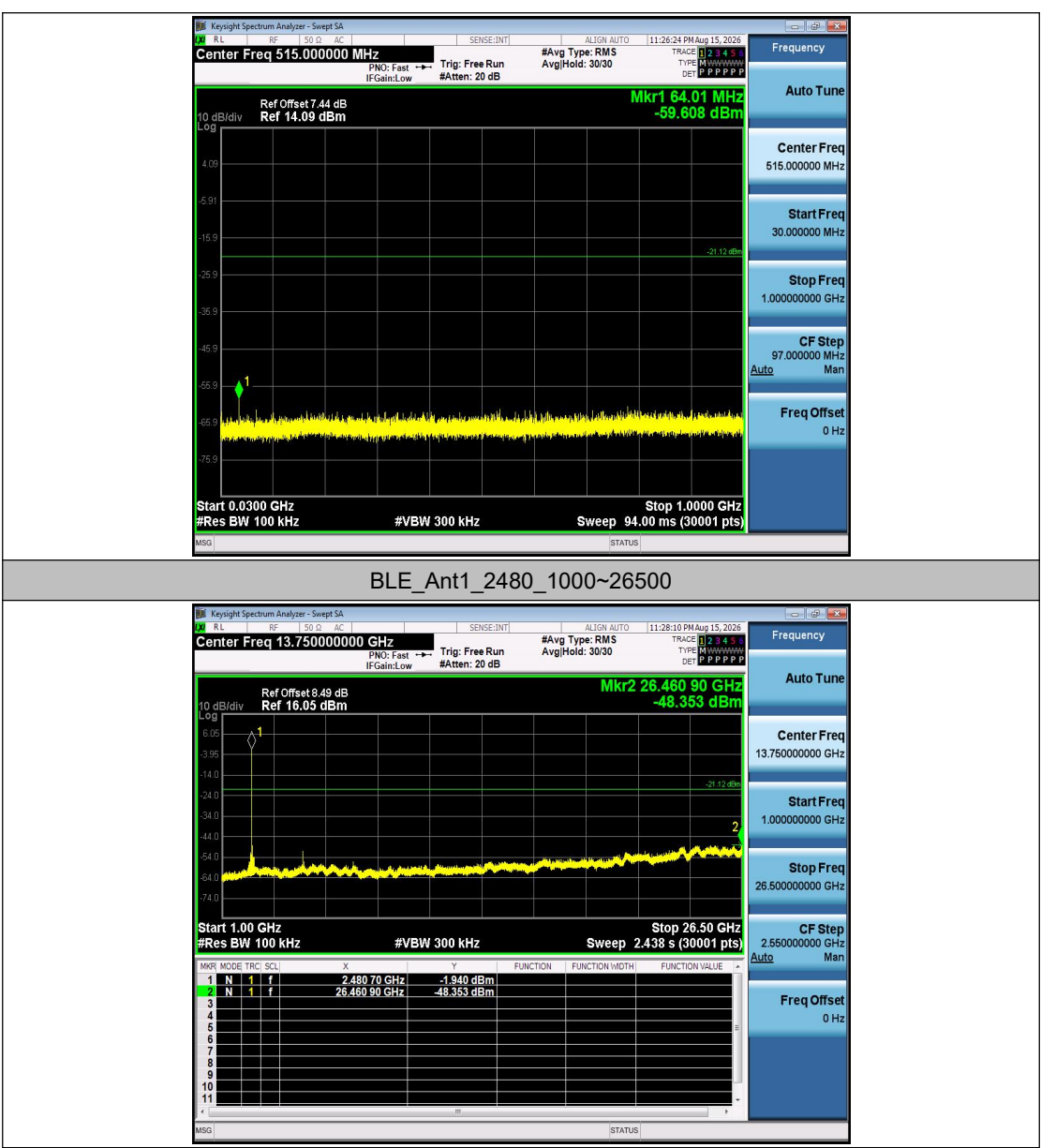
Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	-2.02	-2.02	---	PASS
			30~1000	-2.02	-60.61	≤ -22.02	PASS
			1000~26500	-2.02	-48.29	≤ -22.02	PASS
		2440	Reference	-0.72	-0.72	---	PASS
			30~1000	-0.72	-60.89	≤ -20.72	PASS
			1000~26500	-0.72	-47.48	≤ -20.72	PASS
		2480	Reference	-1.12	-1.12	---	PASS
			30~1000	-1.12	-59.61	≤ -21.12	PASS
			1000~26500	-1.12	-48.35	≤ -21.12	PASS

Test Graphs





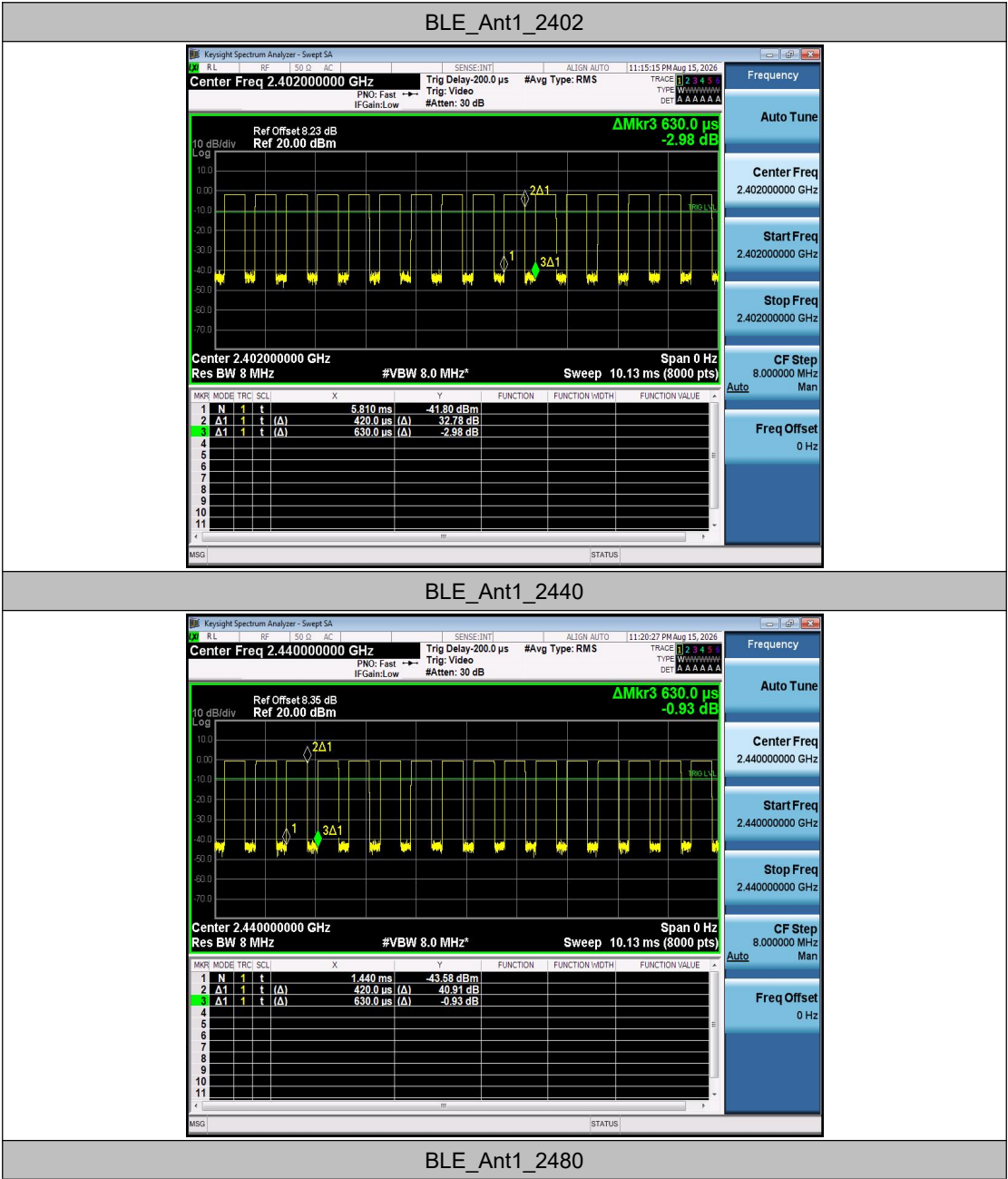


Appendix A.7: Duty Cycle

Test Result

TestMode	Antenna	Freq(MHz)	ON Time [ms]	Period [ms]	X	DC [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
BLE	Ant1	2402	0.42	0.63	0.6667	66.67	1.76	2.38
		2440	0.42	0.63	0.6667	66.67	1.76	2.38
		2480	0.42	0.63	0.6667	66.67	1.76	2.38

Test Graphs



BLE_Ant1_2440

KeySight Spectrum Analyzer - Swept SA

RF: 150.0 AC

SENSE:INT

ALIGN: AUTO

11:20:27 PM Aug 15, 2026

Center Freq 2.440000000 GHz

Trig Delay: 200.0 μ s

#Avg Type: RMS

TRIG: Video

TYPE: WWWW

DET: AAAAAA

Ref Offset 8.35 dB

Ref 20.00 dBm

Δ Mkr3 630.0 μ s

-0.93 dB

10 dB/div

LOG

Center 2.440000000 GHz

Res BW 8 MHz

#VBW 8.0 MHz

Sweep 10.13 ms (8000 pts)

Span 0 Hz

Auto

Frequency

Auto Tune

Center Freq 2.440000000 GHz

Start Freq 2.440000000 GHz

Stop Freq 2.440000000 GHz

CF Step 8.000000 MHz

Man

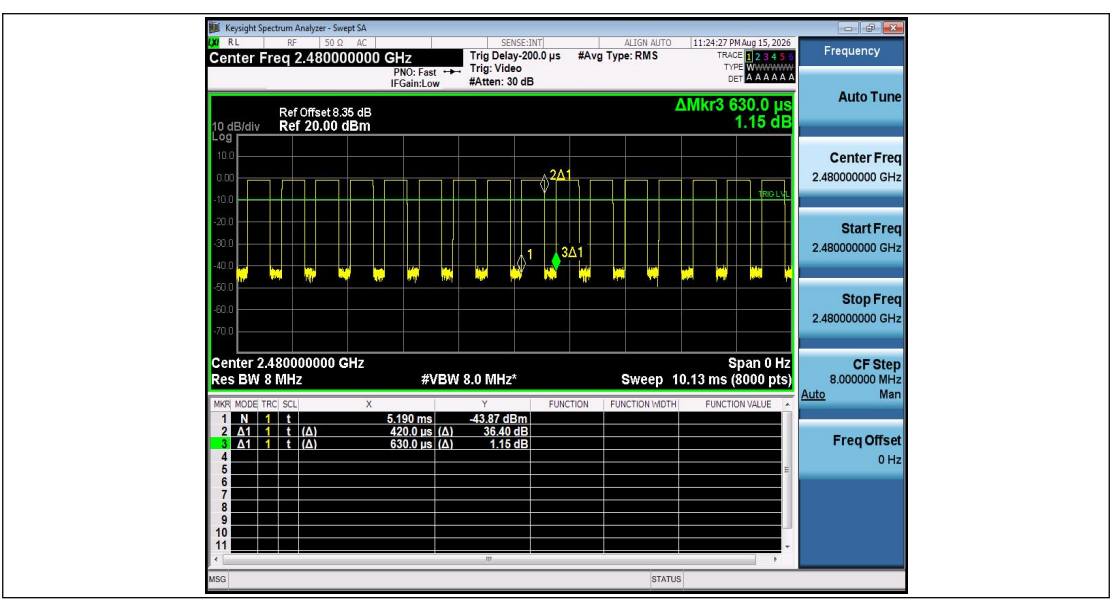
Freq Offset 0 Hz

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION (WIDTH)	FUNCTION VALUE
1	N	1	t	1.440 ms	-43.68 dBm			
2	Δ 1	1	t	420.0 μ s (Δ)	40.91 dB			
3	Δ 1	1	t	630.0 μ s (Δ)	-0.93 dB			
4								
5								
6								
7								
8								
9								
10								
11								

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	-49.24	≤-41.20	45.96	≤54	PASS
				AV	2385.995	-46.52	≤-41.20	48.68	≤54	PASS
				AV	2390.000	-48.81	≤-41.20	46.39	≤54	PASS
				Peak	2310.000	-42.01	≤-21.20	53.19	≤74	PASS
				Peak	2374.340	-38.97	≤-21.20	56.23	≤74	PASS
				Peak	2390.000	-41.67	≤-21.20	53.53	≤74	PASS
		High	2480	AV	2483.500	-44.36	≤-41.20	50.84	≤54	PASS
				AV	2483.840	-44.25	≤-41.20	50.95	≤54	PASS
				AV	2500.000	-47.82	≤-41.20	47.38	≤54	PASS
				Peak	2483.500	-39.19	≤-21.20	56.01	≤74	PASS
				Peak	2483.840	-32.03	≤-21.20	63.17	≤74	PASS
				Peak	2500.000	-39.91	≤-21.20	55.29	≤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

