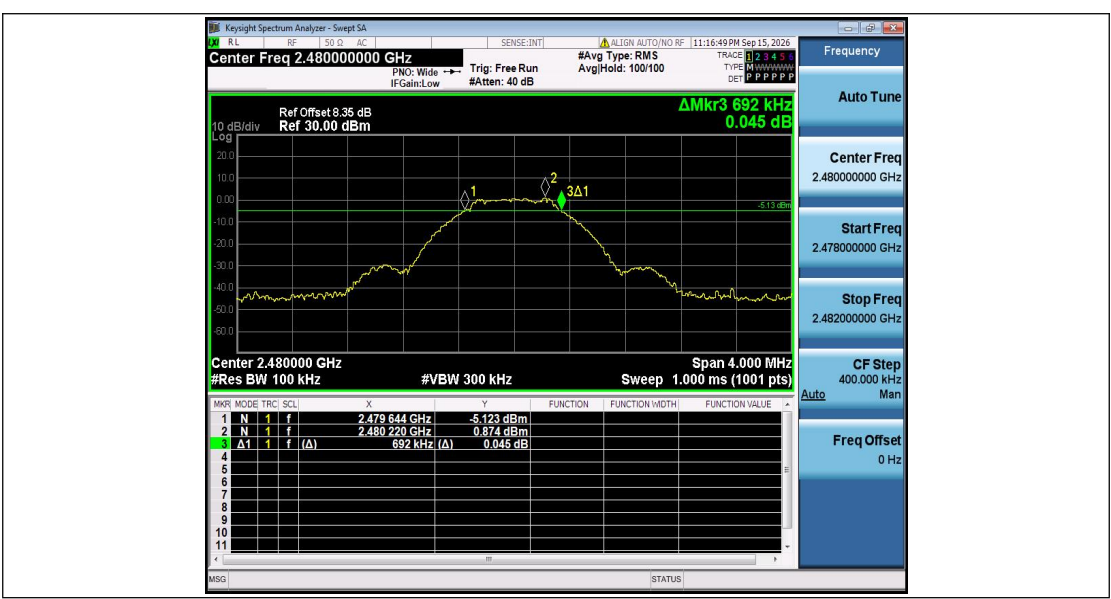


Case No. : <u>GTS20260609005-2-01</u>	
Ambient Condition: <u>23</u> °C, <u>49</u> %RH	
According Standard: ■Part15C	
Test Date: <u>2026.9.02-2026.10.12</u>	Test Engineer: <u>Evan ouyang</u>

Appendix A.1: DTS Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	0.684	2401.656	2402.340	0.5	PASS
		2440	0.684	2439.648	2440.332	0.5	PASS
		2480	0.692	2479.644	2480.336	0.5	PASS

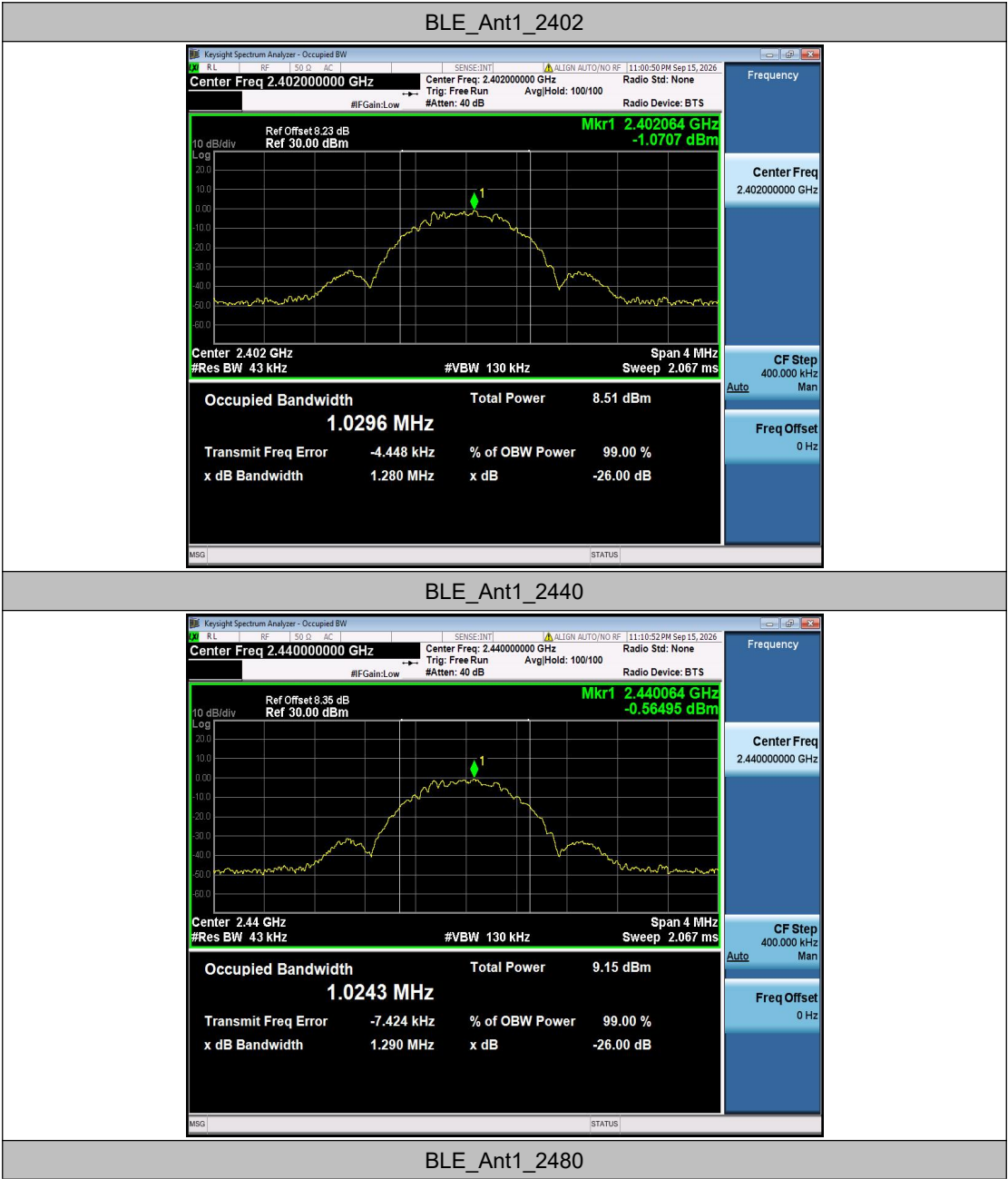


Appendix A.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	1.0296	2401.4808	2402.5104	---	---
		2440	1.0243	2439.4804	2440.5047	---	---
		2480	1.0289	2479.4787	2480.5076	---	---

Test Graphs





Appendix A.3: Maximum conducted output power

Test Result

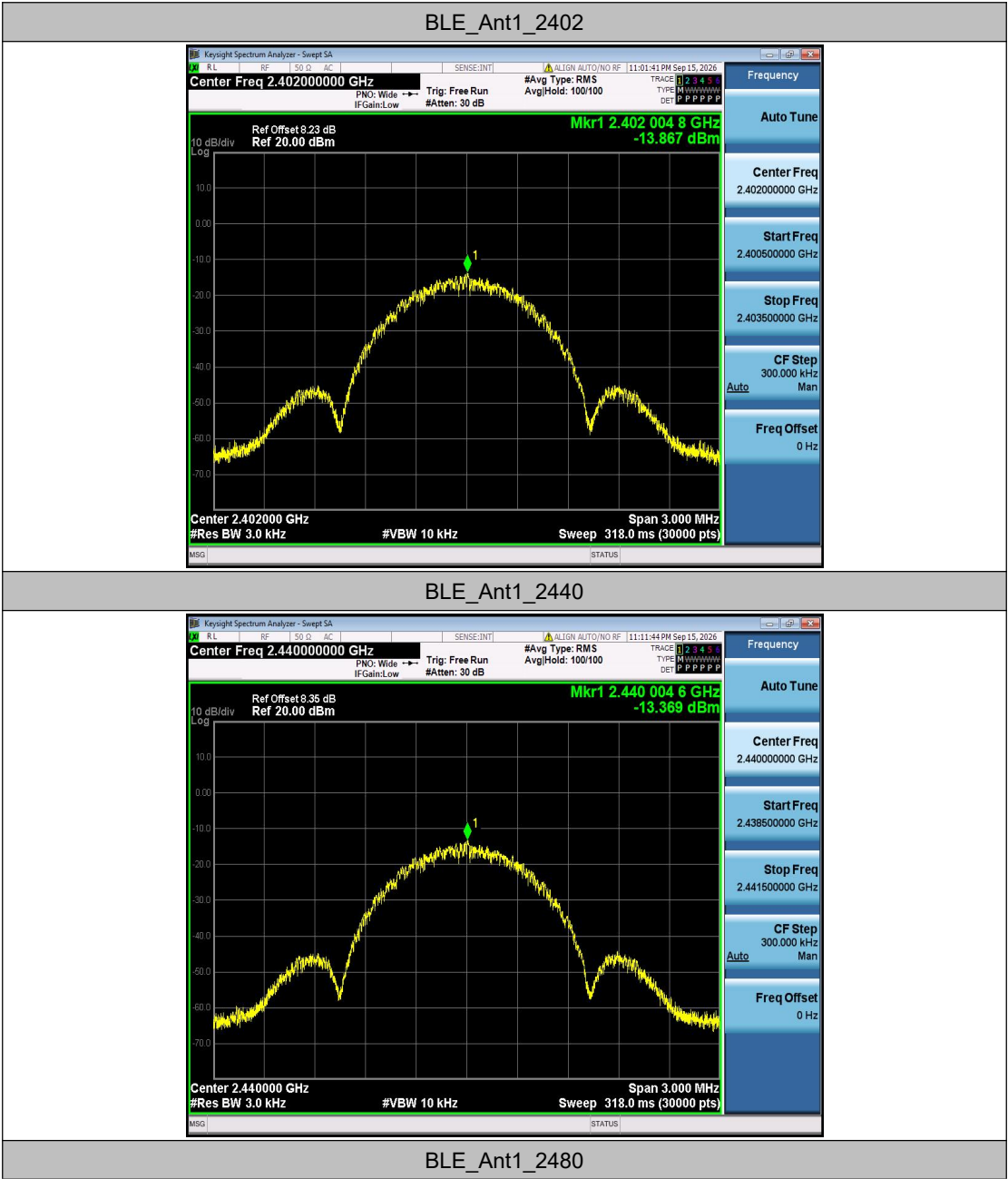
TestMode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE	Ant1	2402	2.15	≤30	PASS
		2440	2.61	≤30	PASS
		2480	2.06	≤30	PASS

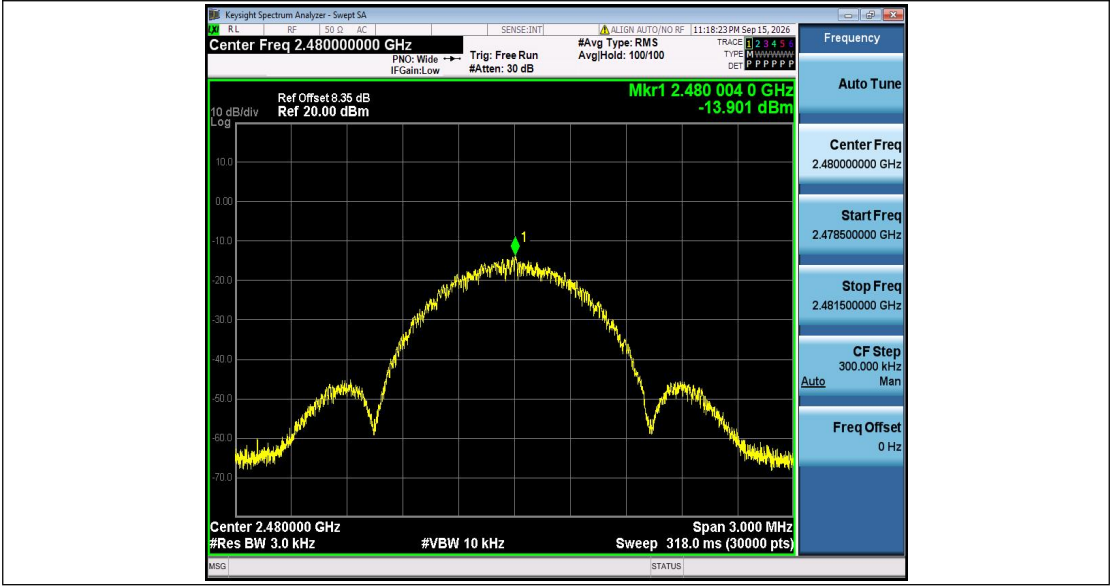
Appendix A.4: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-13.87	≤8.00	PASS
		2440	-13.37	≤8.00	PASS
		2480	-13.90	≤8.00	PASS

Test Graphs



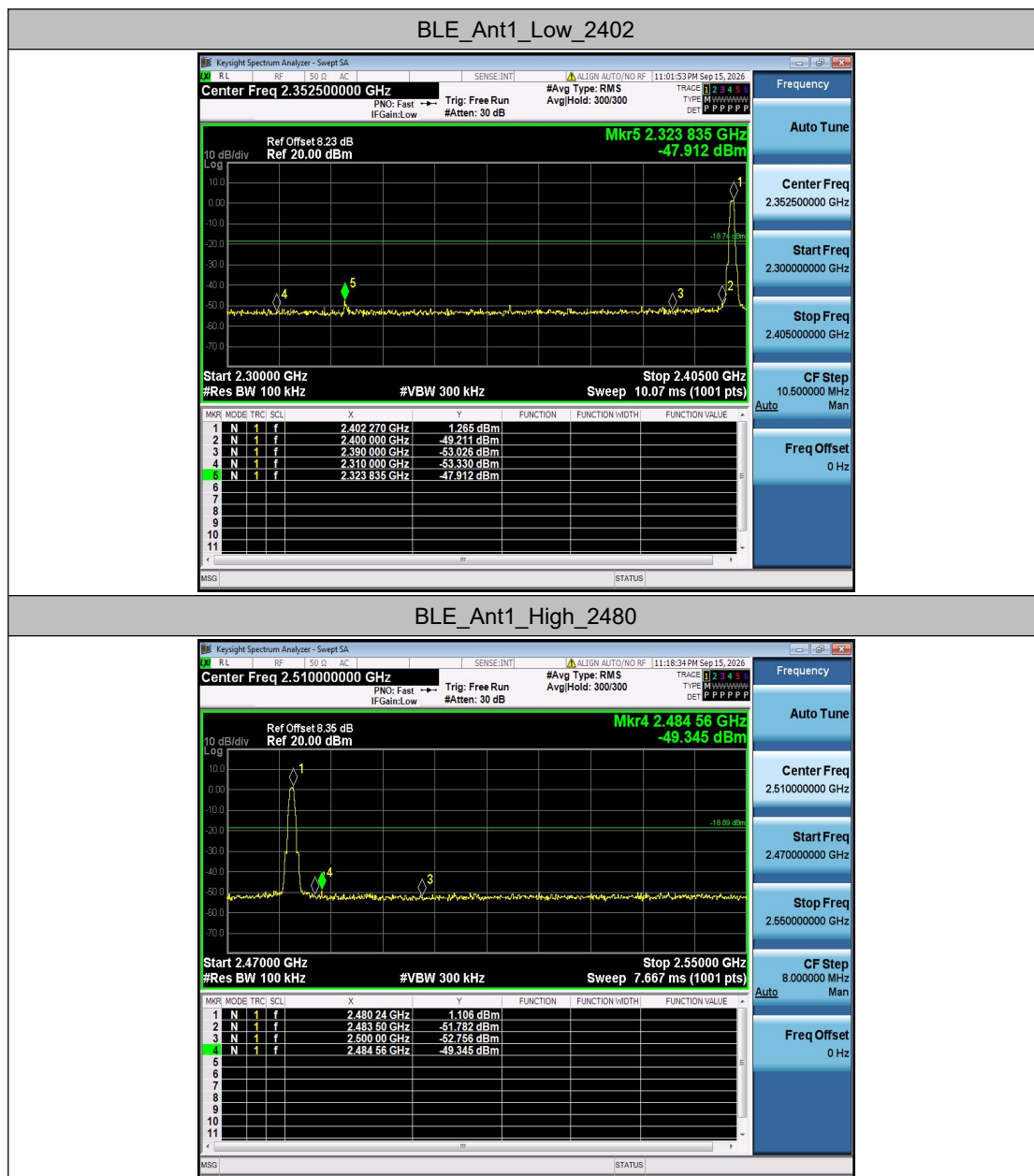


Appendix A.5: Band edge measurements

Test Result

TestMode	Antenna	Channel	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	1.27	-47.91	≤-18.74	PASS
		High	2480	1.11	-49.35	≤-18.89	PASS

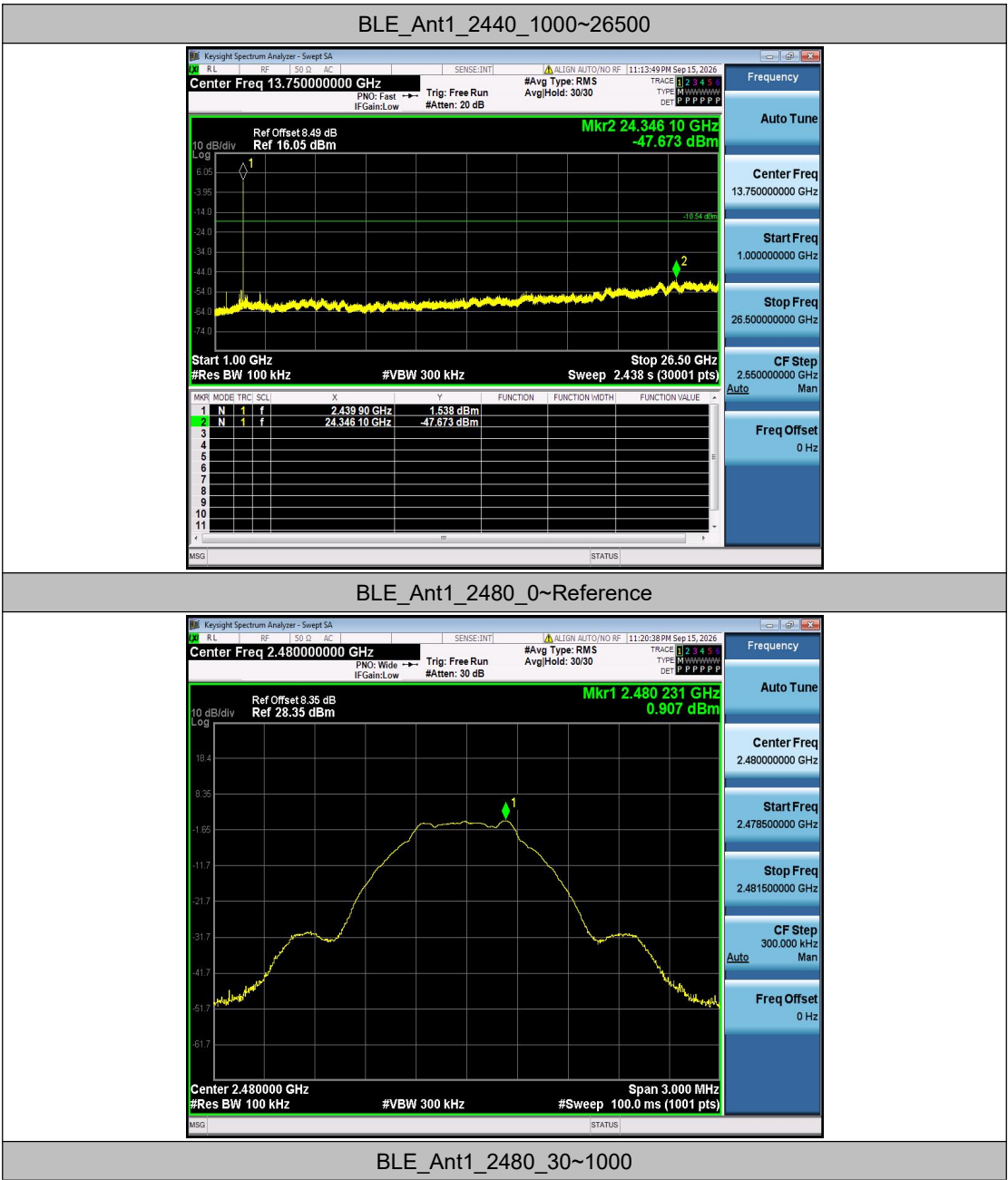
Test Graphs

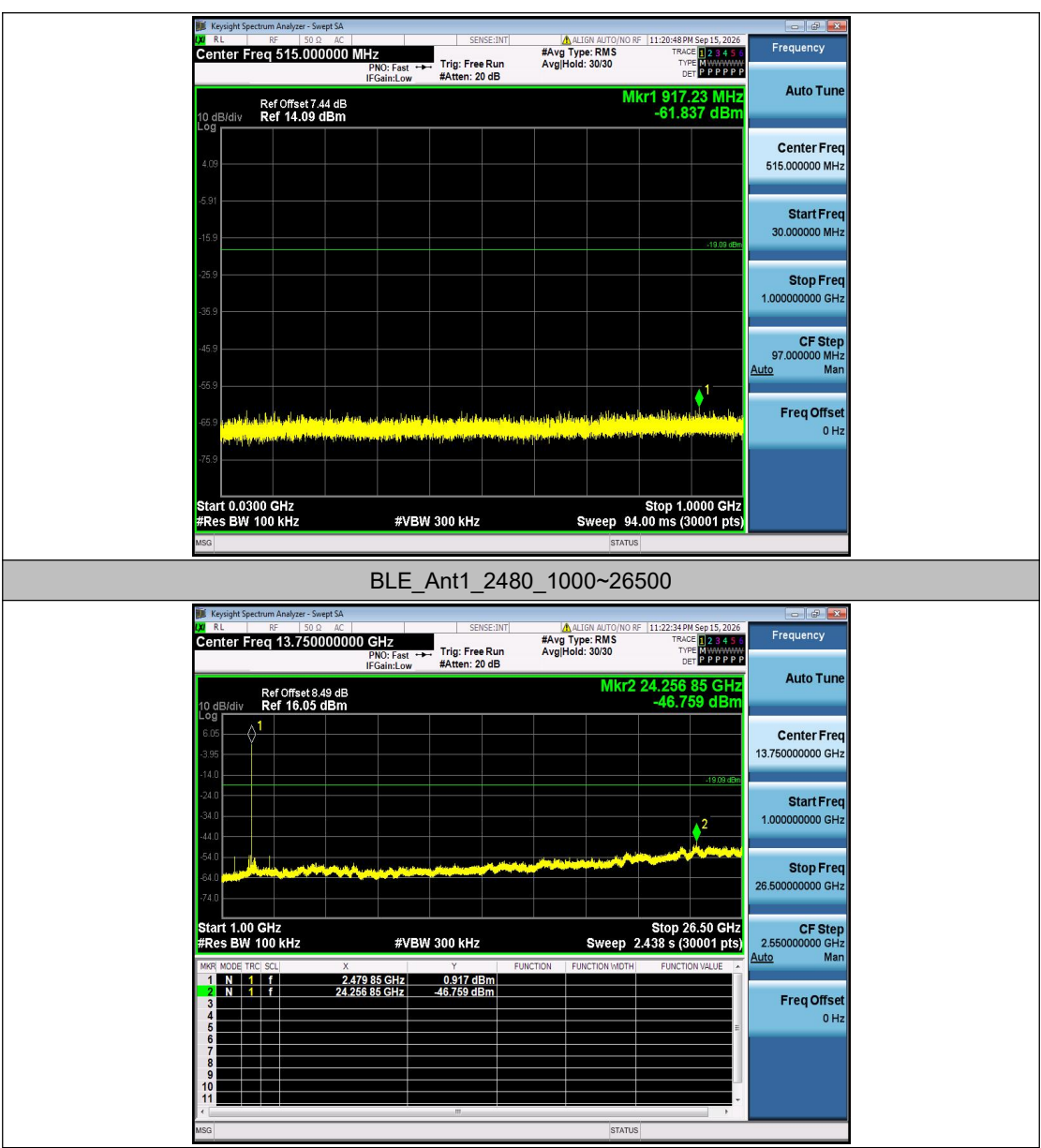


Appendix A.6: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	0.99	0.99	---	PASS
			30~1000	0.99	-61.78	≤-19.01	PASS
			1000~26500	0.99	-47.68	≤-19.01	PASS
		2440	Reference	1.46	1.46	---	PASS
			30~1000	1.46	-61.15	≤-18.54	PASS
			1000~26500	1.46	-47.67	≤-18.54	PASS
		2480	Reference	0.91	0.91	---	PASS
			30~1000	0.91	-61.84	≤-19.09	PASS
			1000~26500	0.91	-46.76	≤-19.09	PASS



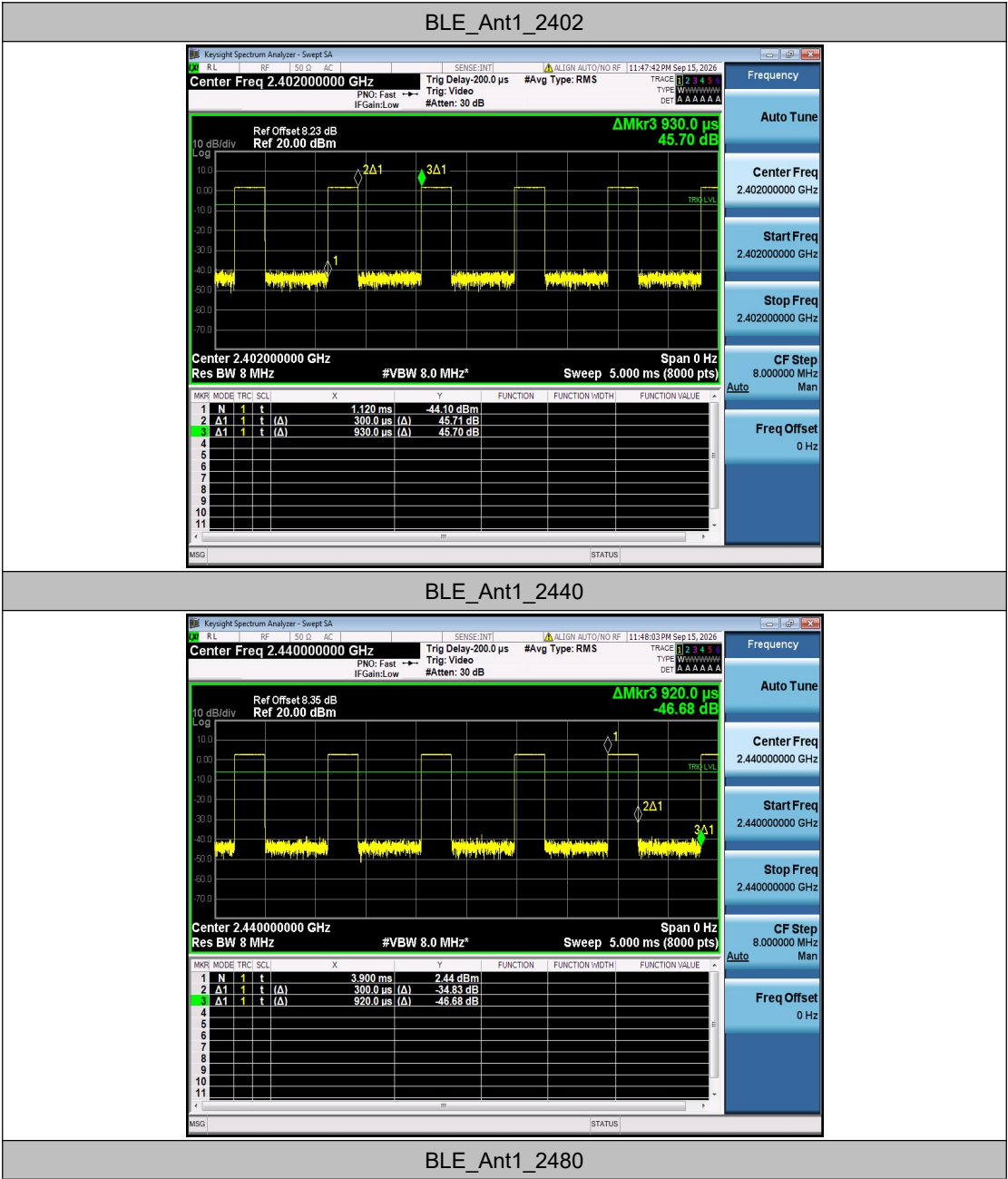


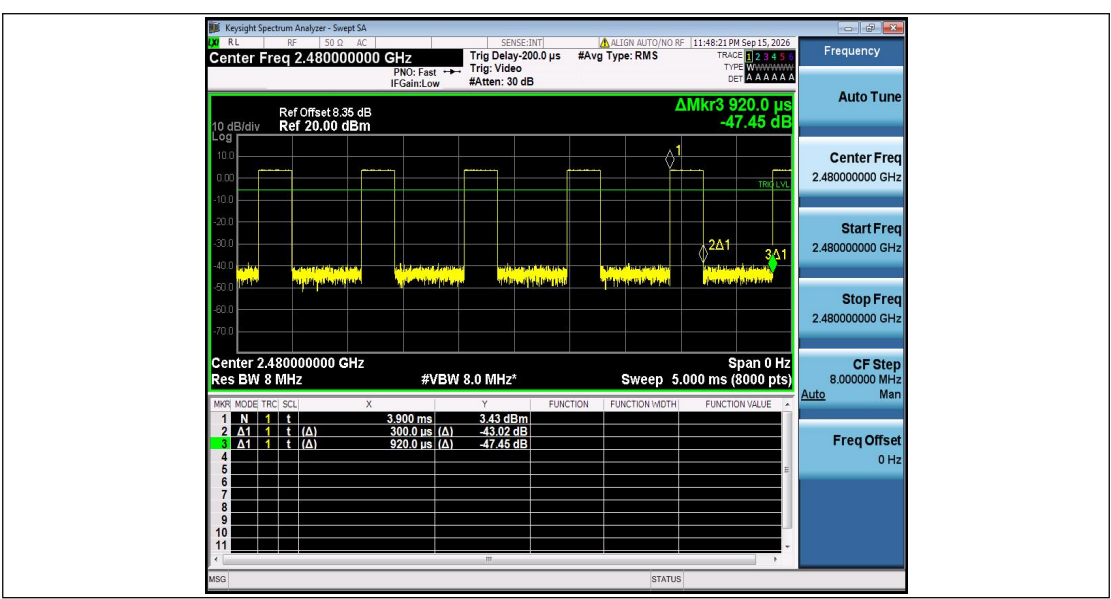
Appendix A.7: Duty Cycle

Test Result

TestMode	Antenna	Freq(MHz)	ON Time [ms]	Period [ms]	X	DC [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
BLE	Ant1	2402	0.30	0.93	0.3226	32.26	4.91	3.33
		2440	0.30	0.92	0.3261	32.61	4.87	3.33
		2480	0.30	0.92	0.3261	32.61	4.87	3.33

Test Graphs





Appendix A.8: Emissions in Restricted Bands

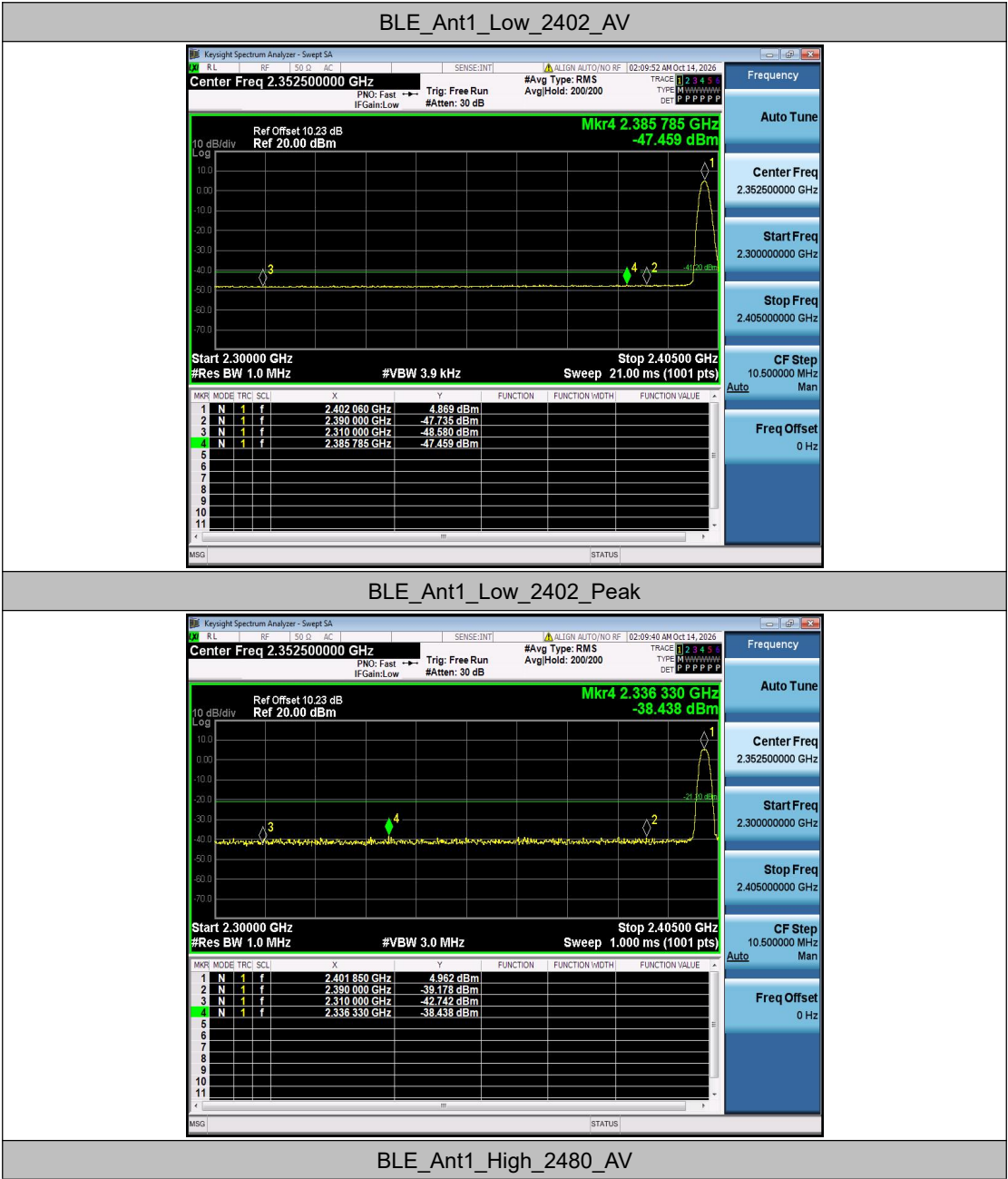
Test Result

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	-48.58	≤-41.20	46.62	≤54	PASS
				AV	2385.785	-47.46	≤-41.20	47.74	≤54	PASS
				AV	2390.000	-47.74	≤-41.20	47.46	≤54	PASS
				Peak	2310.000	-42.74	≤-21.20	52.46	≤74	PASS
				Peak	2336.330	-38.44	≤-21.20	56.76	≤74	PASS
				Peak	2390.000	-39.18	≤-21.20	56.02	≤74	PASS
		High	2480	AV	2483.500	-45.87	≤-41.20	49.33	≤54	PASS
				AV	2483.520	-45.86	≤-41.20	49.34	≤54	PASS
				AV	2500.000	-47.18	≤-41.20	48.02	≤54	PASS
				Peak	2483.500	-40.62	≤-21.20	54.58	≤74	PASS
				Peak	2499.280	-38.39	≤-21.20	56.81	≤74	PASS
				Peak	2500.000	-40.32	≤-21.20	54.88	≤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



BLE_Ant1_Low_2402_Peak

Keysight Spectrum Analyzer - Swept SA

RF: 150.0 AC SENSE:INT

ALIGN AUTO/NO RF 02:09:40 AM Oct 14, 2026

Center Freq 2.352500000 GHz

PNO: Fast IFGain:Low Trig: Free Run #Atten: 30 dB

#Avg Type: RMS Avg/Hold: 200/200

Ref Offset 10.23 dB Ref 20.00 dBm

Mkr4 2.336 330 GHz -38.438 dBm

10 dB/div

1.00

0.00

-10.0

-20.0

-30.0

-40.0

-50.0

-60.0

-70.0

Start 2.30000 GHz

#Res BW 1.0 MHz

#VBW 3.0 MHz

Stop 2.40500 GHz

Sweep 1.000 ms (1001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION (WIDTH)	FUNCTION VALUE
1	N	1	f	2.401 850 GHz	4.962 dBm			
2	N	1	f	2.390 000 GHz	-39.178 dBm			
3	N	1	f	2.310 000 GHz	-42.742 dBm			
4	N	1	f	2.336 330 GHz	-38.438 dBm			

MSG

STATUS

Frequency

Auto Tune

Center Freq 2.352500000 GHz

Start Freq 2.300000000 GHz

Stop Freq 2.405000000 GHz

CF Step 10.500000 MHz Man

Freq Offset 0 Hz

BLE_Ant1_High_2480_AV

