

Appendix RF Test Data for BLE

FCC ID : 2BRSS-HVM-A

Company : Dongguan Pinguan Sports Technology Co.,Ltd.

EUT : Heated Vest

Model Number : HVM-A

Report No. : CTA25081100901

Reviewed By : Eric Wang

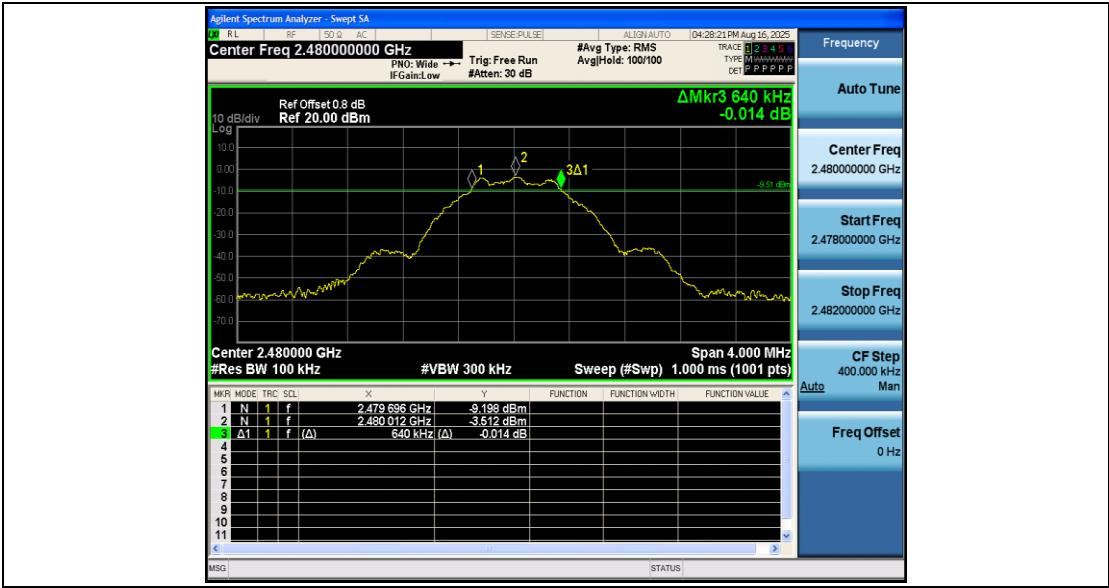
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.640	2401.696	2402.336	0.5	PASS
		2440	0.656	2439.684	2440.340	0.5	PASS
		2480	0.640	2479.696	2480.336	0.5	PASS

Test Graphs





Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0065	2401.5155	2402.5220	---	---
		2440	1.0086	2439.5164	2440.5250	---	---
		2480	1.0036	2479.5171	2480.5207	---	---

Test Graphs

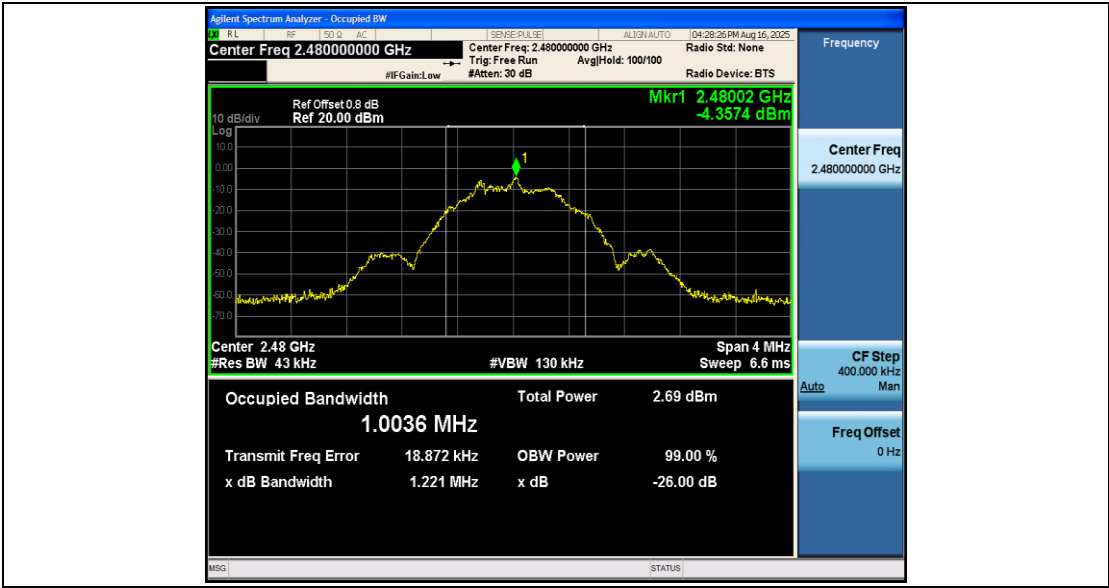
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-3.02	≤30	PASS
		2440	-3.32	≤30	PASS
		2480	-3.35	≤30	PASS

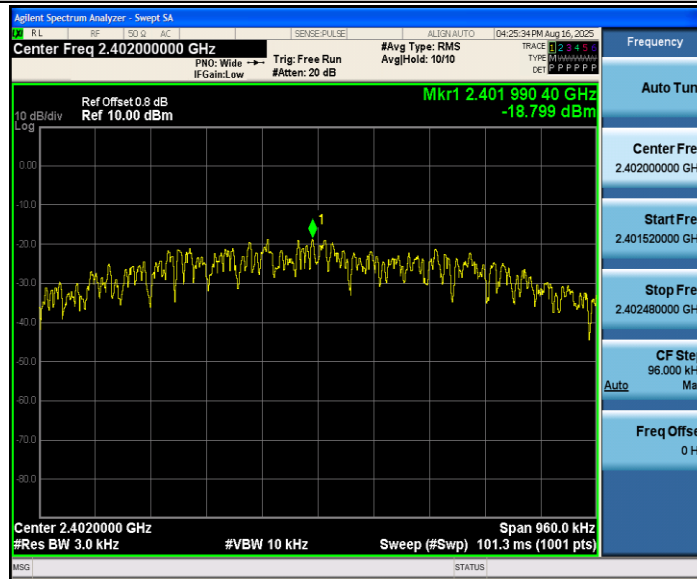
Appendix D: Maximum power spectral density

Test Result

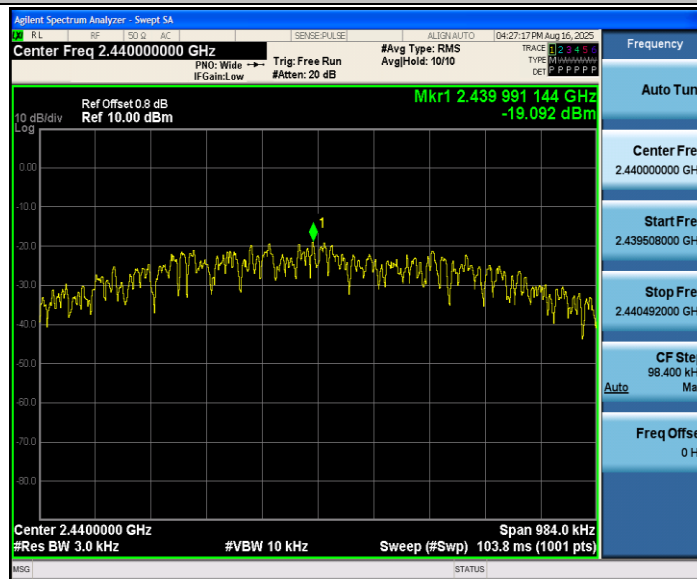
TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-18.80	≤8.00	PASS
		2440	-19.09	≤8.00	PASS
		2480	-19.03	≤8.00	PASS

Test Graphs

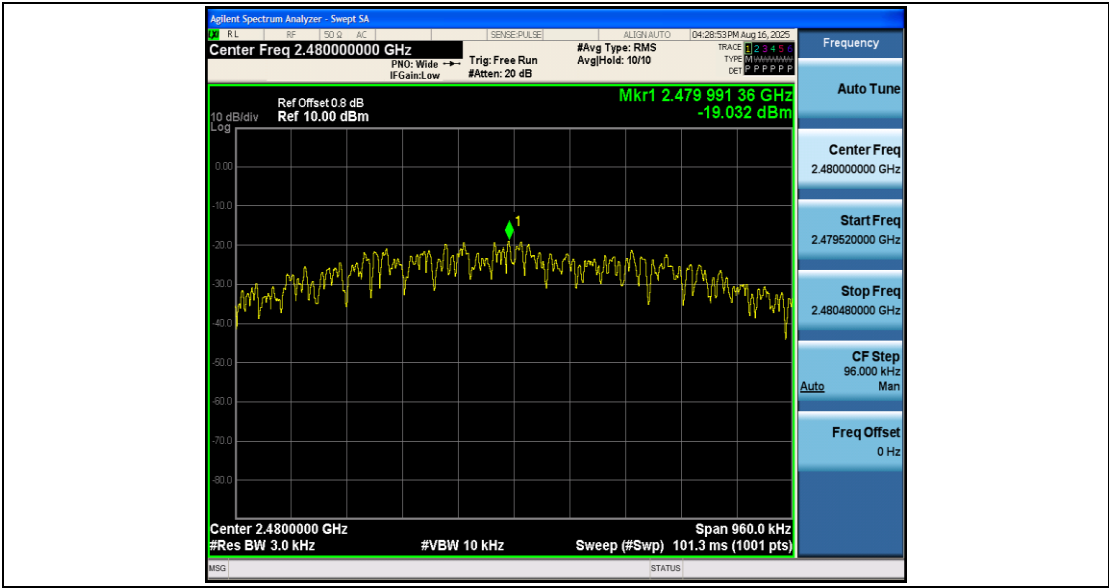
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

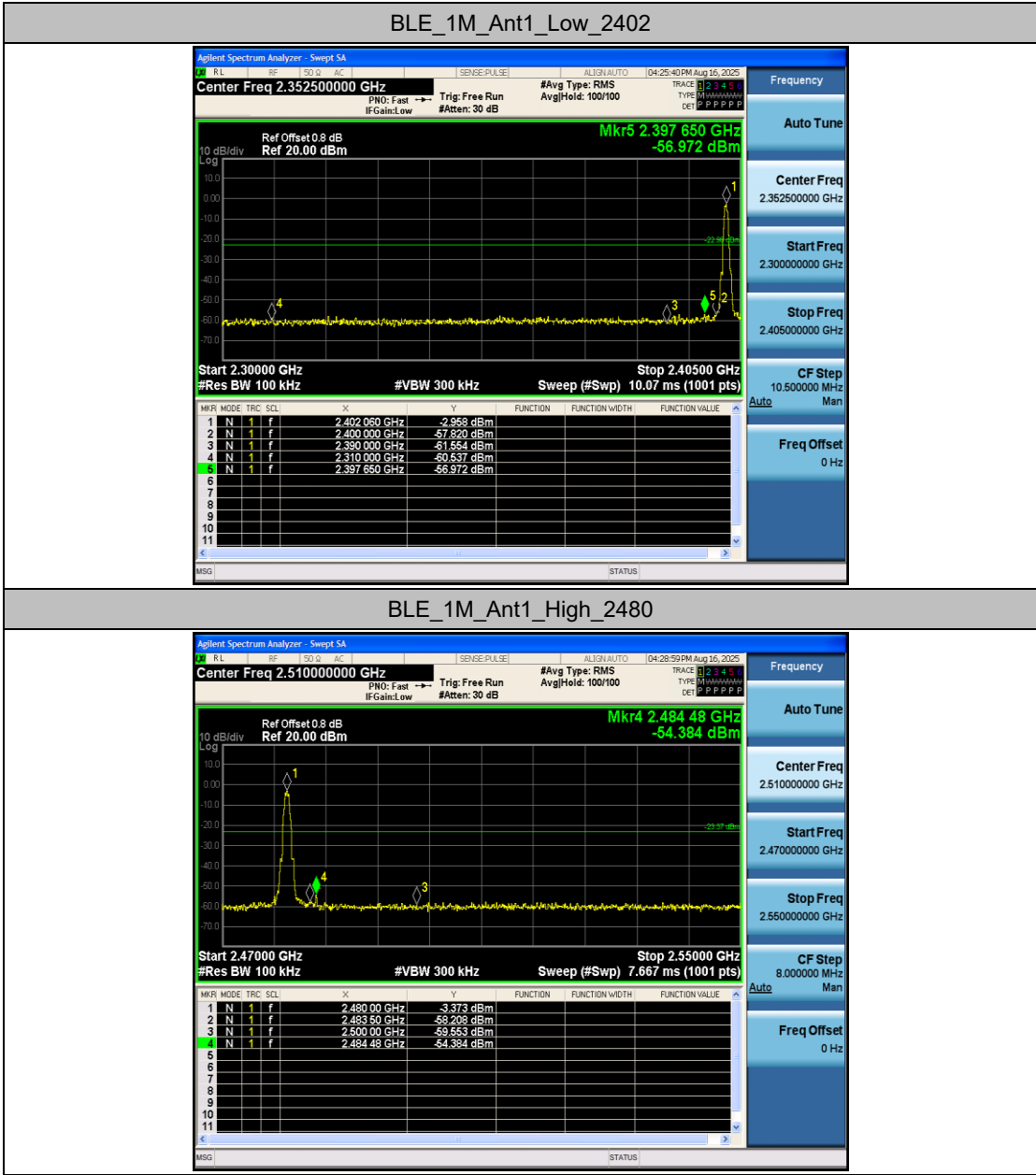


Appendix E: Band edge measurements

Test Result

TestMod e	Antenn a	ChNam e	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdic t
BLE_1M	Ant1	Low	2402	-2.96	-56.97	≤-22.96	PASS
		High	2480	-3.37	-54.38	≤-23.37	PASS

Test Graphs

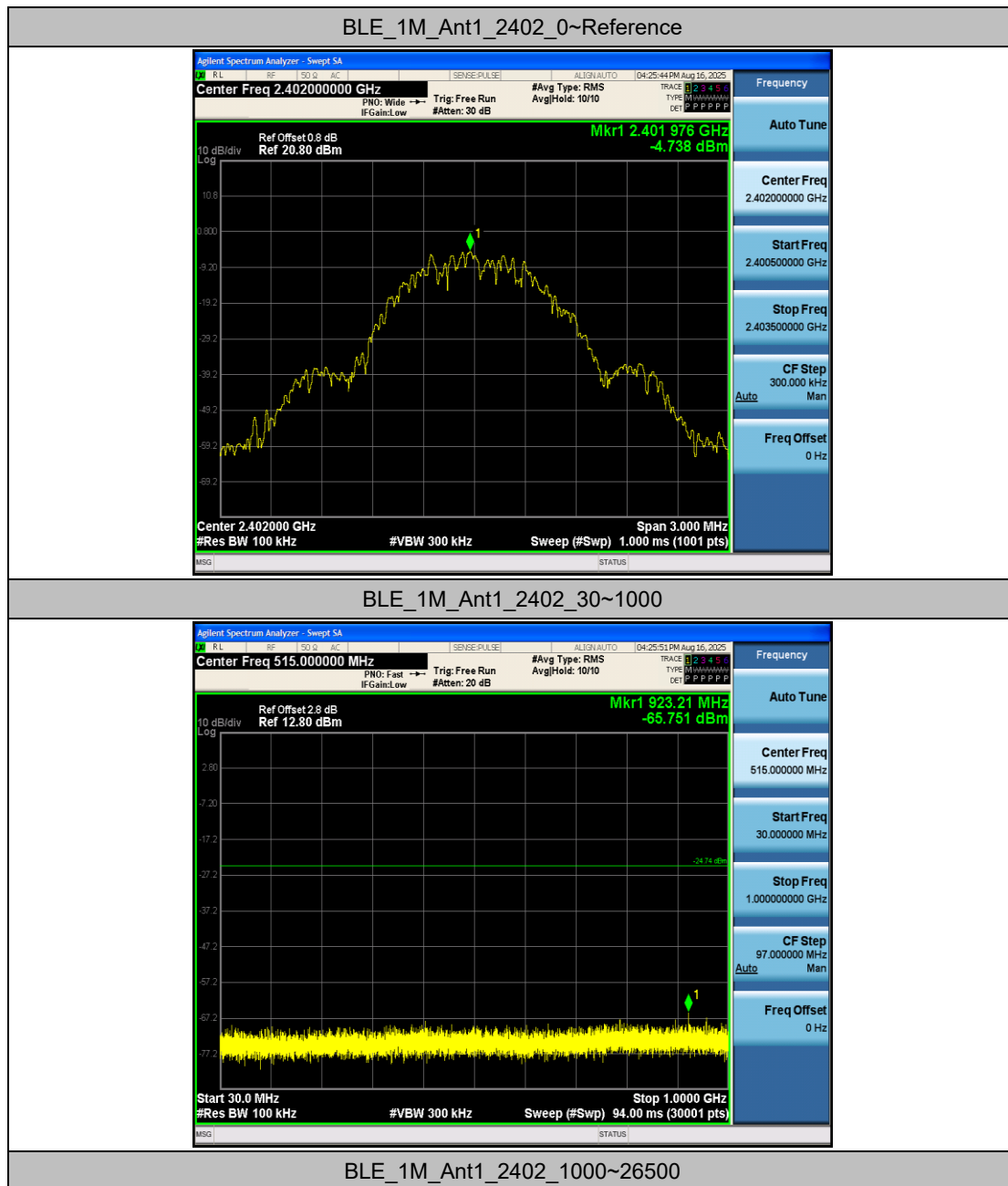


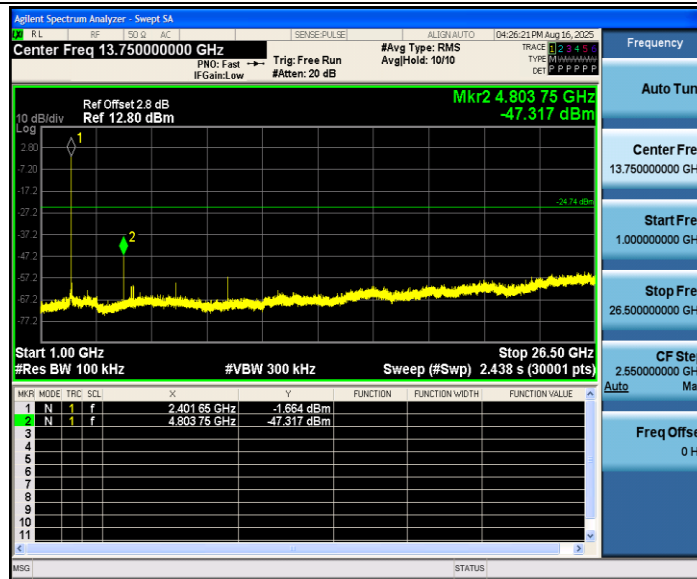
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-4.74	-4.74	---	PASS
			30~1000	-4.74	-65.75	≤-24.74	PASS
			1000~26500	-4.74	-47.32	≤-24.74	PASS
		2440	Reference	-4.73	-4.73	---	PASS
			30~1000	-4.73	-67.56	≤-24.73	PASS
			1000~26500	-4.73	-48.5	≤-24.73	PASS
		2480	Reference	-5.15	-5.15	---	PASS
			30~1000	-5.15	-67.11	≤-25.15	PASS
			1000~26500	-5.15	-47.1	≤-25.15	PASS

Test Graphs

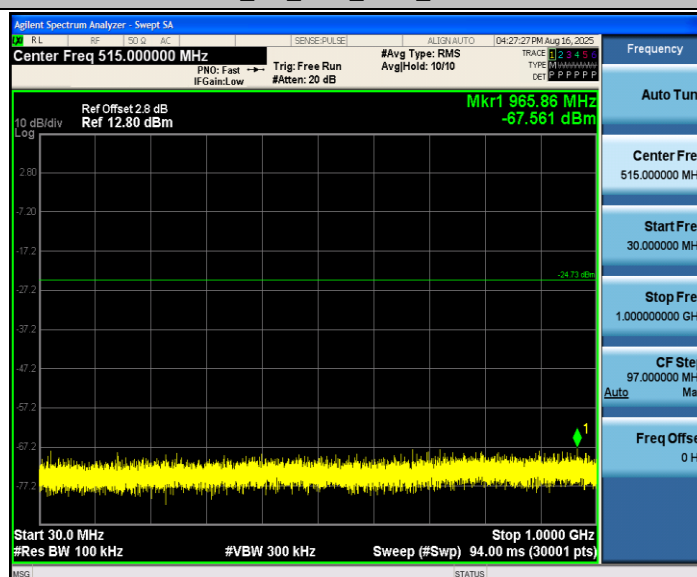




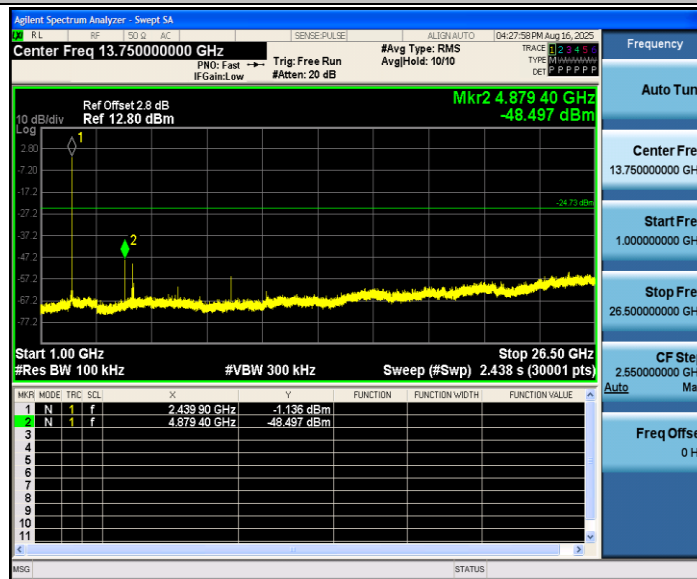
BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



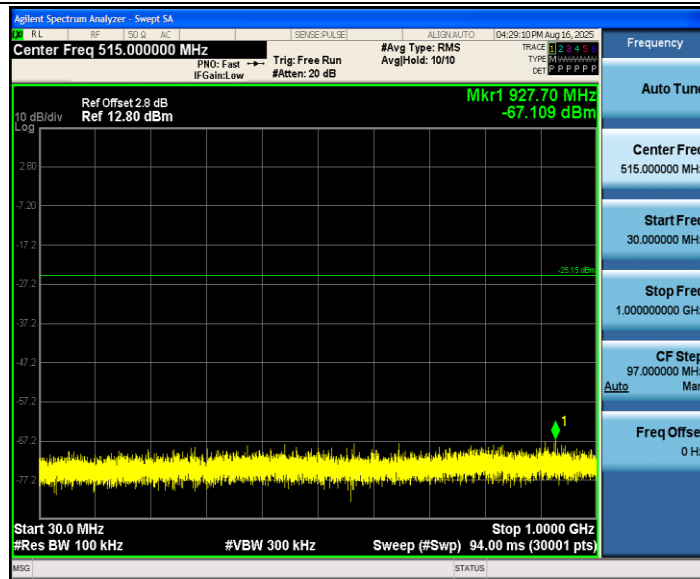
BLE_1M_Ant1_2440_1000~26500



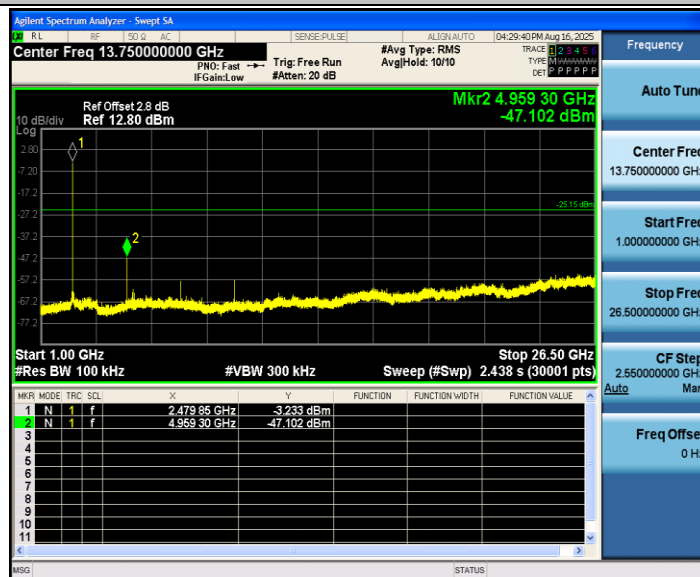
BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000



BLE_1M_Ant1_2480_1000~26500

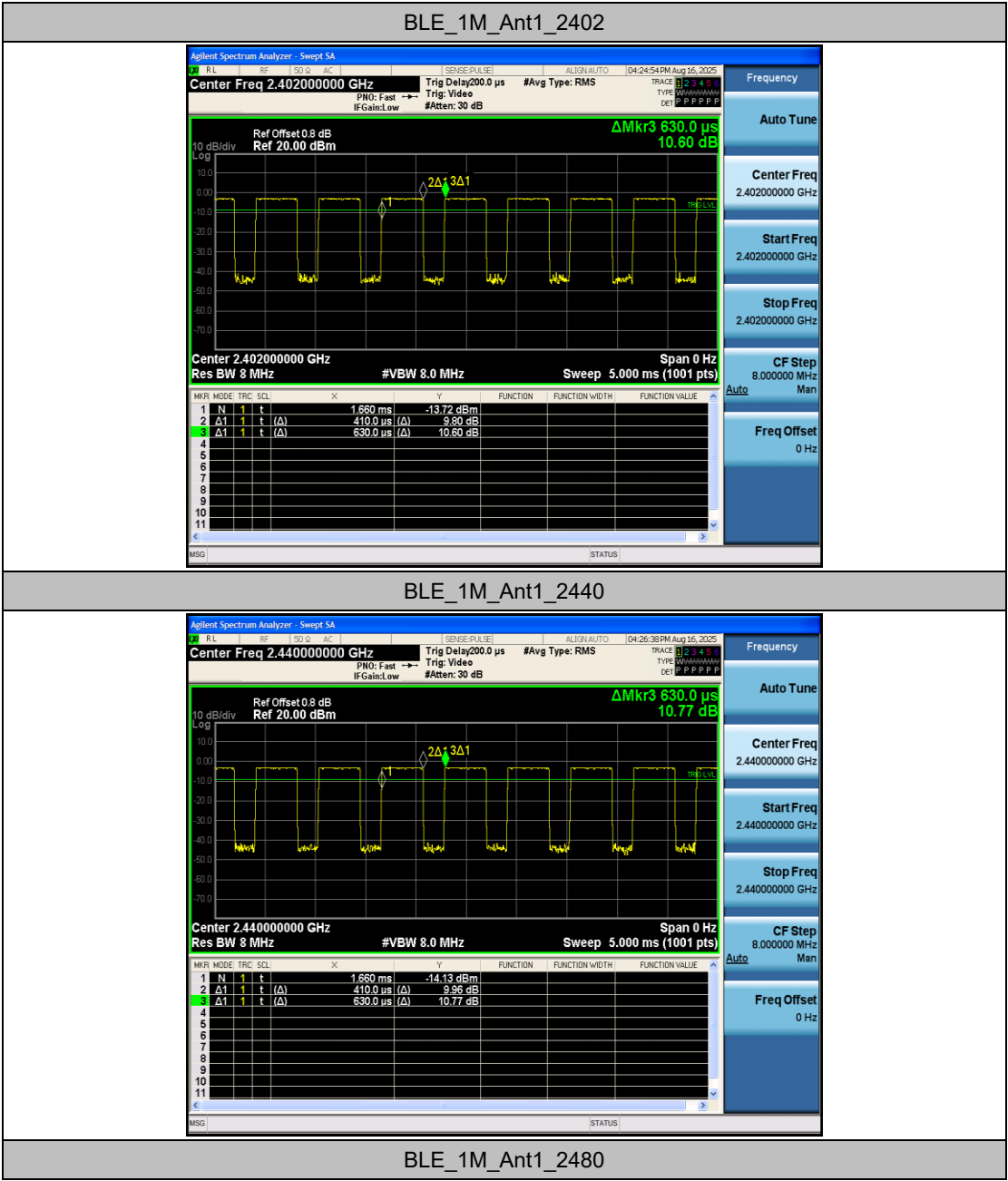


Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Freq(MHz)	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	0.41	0.63	0.6508	65.08	1.87	---	---
		2440	0.41	0.63	0.6508	65.08	1.87	---	---
		2480	0.41	0.63	0.6508	65.08	1.87	---	---

Test Graphs



BLE_1M_Ant1_2440

Agilent Spectrum Analyzer - Sweep SA

RL

IF

SCD

AC

SENSE: PULSE

ALIGN: AUTO

04:26:38 PM Aug 16, 2025

Center Freq 2.440000000 GHz

Trig Delay 200.0 μ s

#Avg Type: RMS

TYPE: W

DET: P

P P P P P

PNO: Fast

IFGain: Low

#Atten: 30 dB

Trig: Video

Ref Offset 0.8 dB

Ref 20.00 dBm

Δ Mkr3 630.0 μ s

10.77 dB

10 dB/div

Log

0.00

-10.0

-20.0

-30.0

-40.0

-50.0

-60.0

-70.0

Center 2.440000000 GHz

Res BW 8 MHz

#VBW 8.0 MHz

Sweep 5.000 ms (1001 pts)

Span 0 Hz

Table

Table

MSG

STATUS

Frequency

Auto Tune

Center Freq
2.440000000 GHz

Start Freq
2.440000000 GHz

Stop Freq
2.440000000 GHz

CF Step
8.0000000 MHz
Auto
Man

Freq Offset
0 Hz

BLE_1M_Ant1_2480

