

Appendix RF Test Data for BLE

FCC ID : 2BFMG-C92

**Company : Shenzhen Chuangzhan Hong Electronic Technology
Co., Ltd.**

EUT : Magnetic Selfie Screen

Model Number : C92

Report No. : CTA25090300101

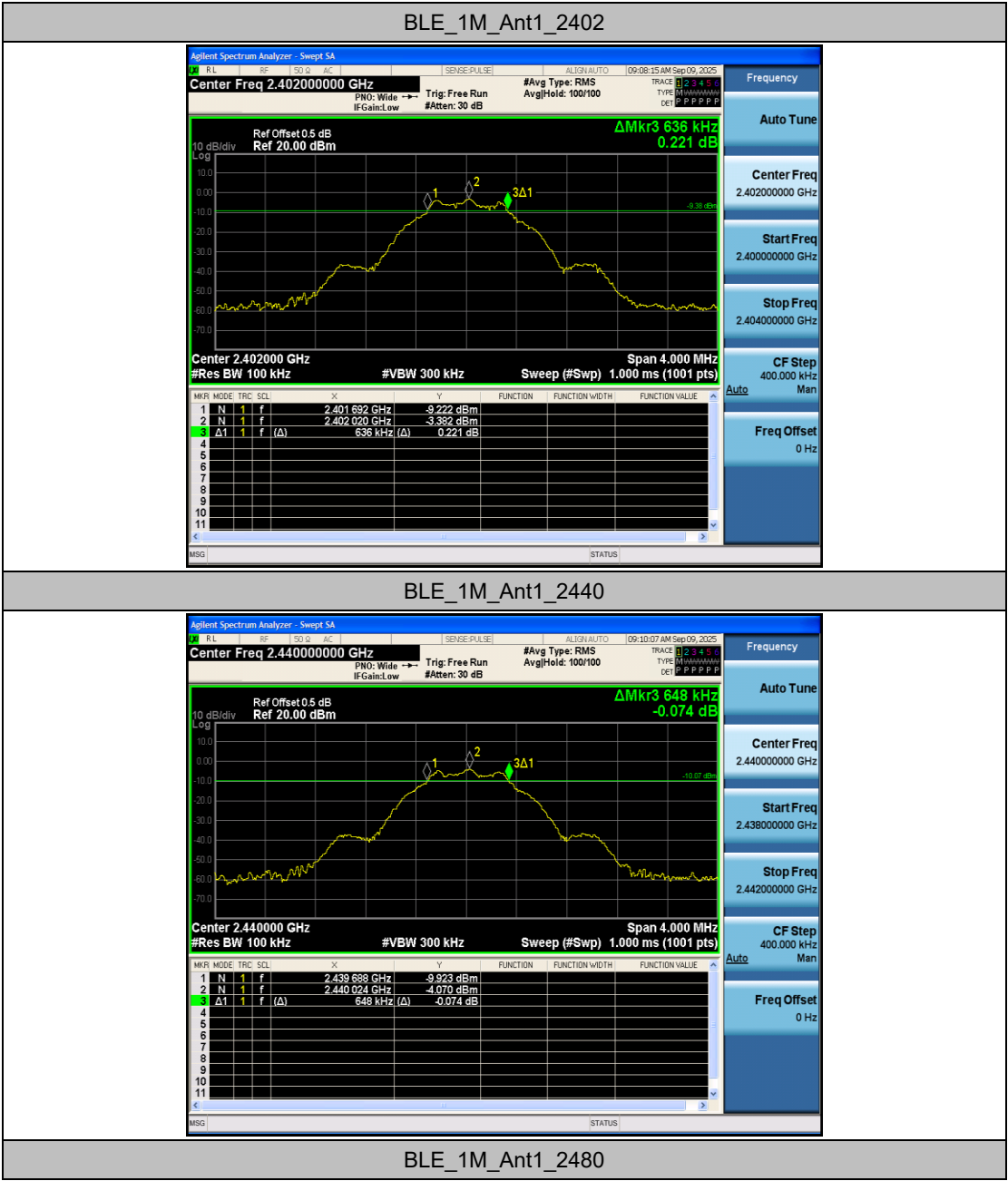
Reviewed By : Eric Wang

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.636	2401.692	2402.328	0.5	PASS
		2440	0.648	2439.688	2440.336	0.5	PASS
		2480	0.636	2479.692	2480.328	0.5	PASS

Test Graphs



BLE_1M_Ant1_2440

Agilent Spectrum Analyzer - Swept SA

Center Freq 2.440000000 GHz

Ref Offset 0.5 dB
Ref 20.00 dBm

10 dB/div
Log

Span 4.000 MHz

#Res BW 100 kHz

#VBW 300 kHz

Sweep (#Swp) 1.000 ms (1001 pts)

Trig: Free Run

#Att: 30 dB

#Avg Type: RMS

Avg/Hold: 100/100

09:10:07 AM Sep 09, 2025

Frequency

Auto Tune

Center Freq
2.440000000 GHz

Start Freq
2.438000000 GHz

Stop Freq
2.442000000 GHz

CF Step
400.000 kHz
Man

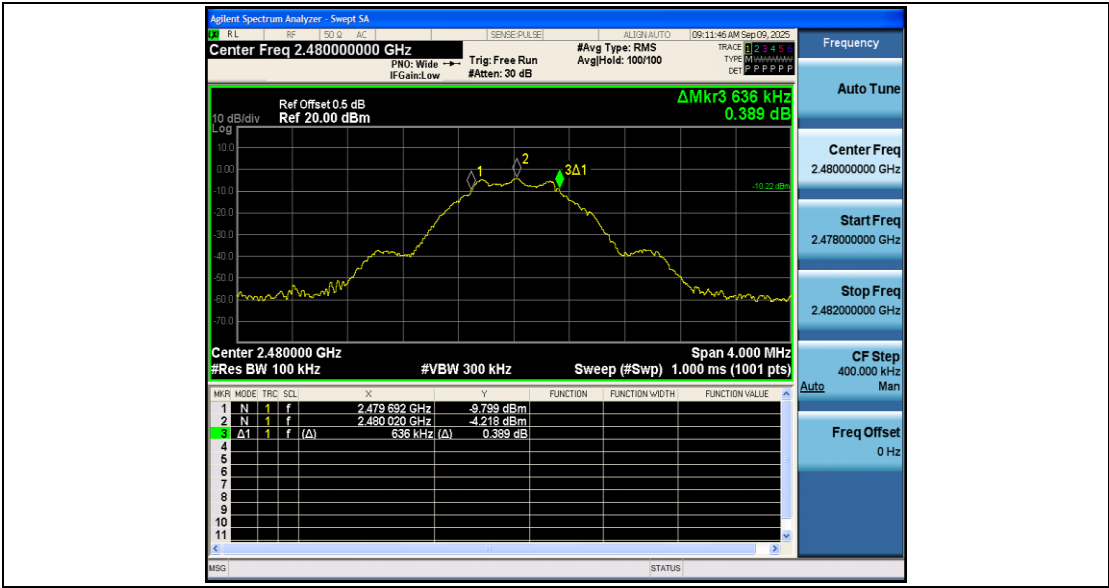
Freq Offset
0 Hz

MSG

STATUS

MR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.439688 GHz	-9.923 dBm			
2	N	1	f	2.440024 GHz	-4.070 dBm			
3	Δ	1	f (Δ)	648 kHz (Δ)	-0.074 dB			

BLE_1M_Ant1_2480

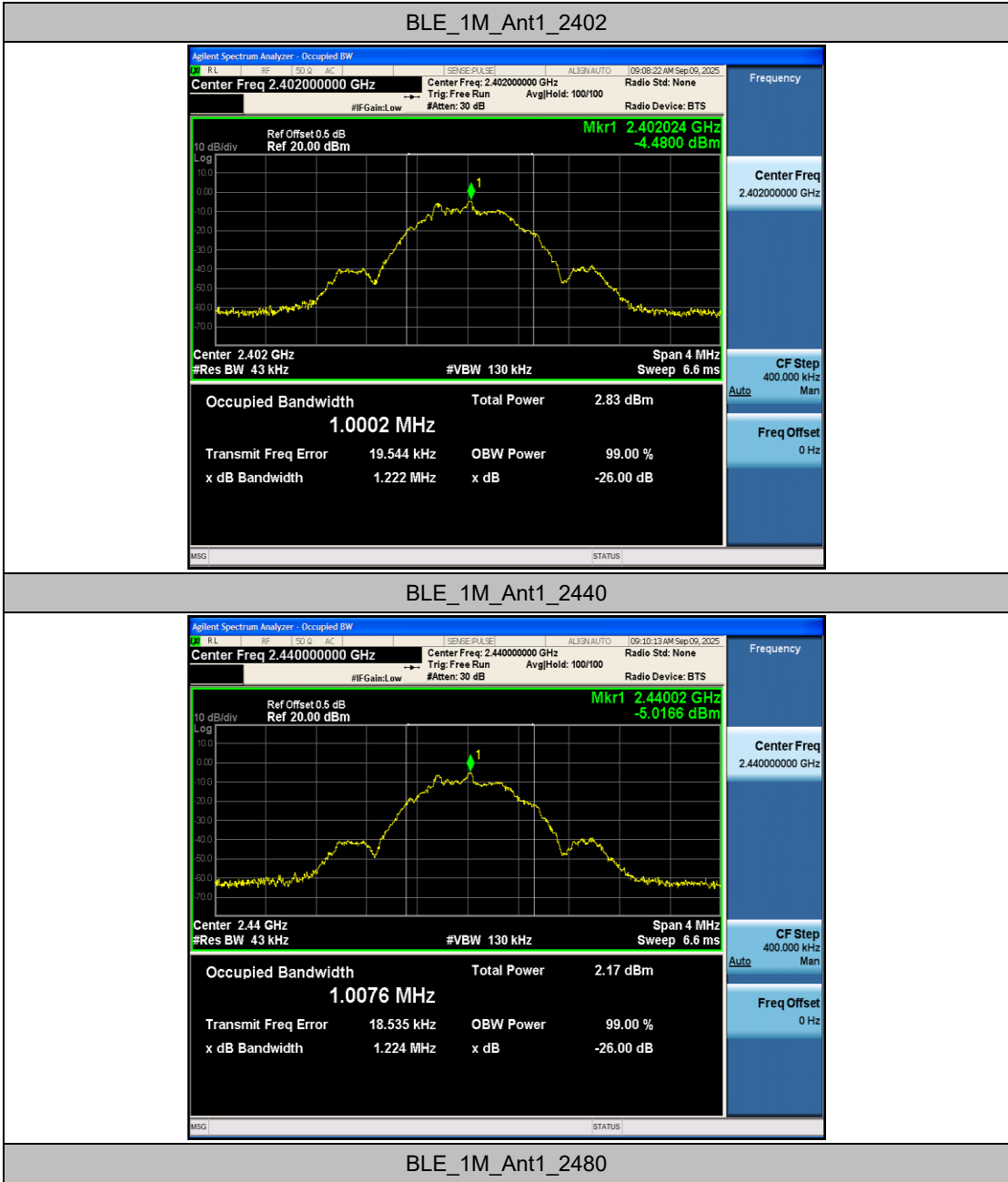


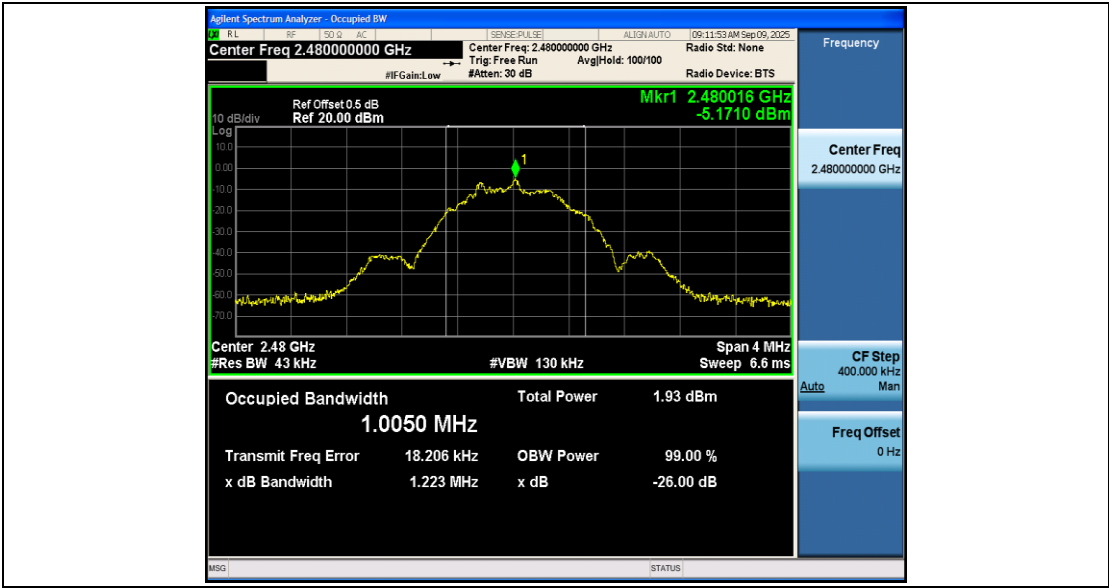
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0002	2401.5194	2402.5196	---	---
		2440	1.0076	2439.5147	2440.5223	---	---
		2480	1.0050	2479.5157	2480.5207	---	---

Test Graphs





Appendix C: Maximum conducted output power

Test Result Peak

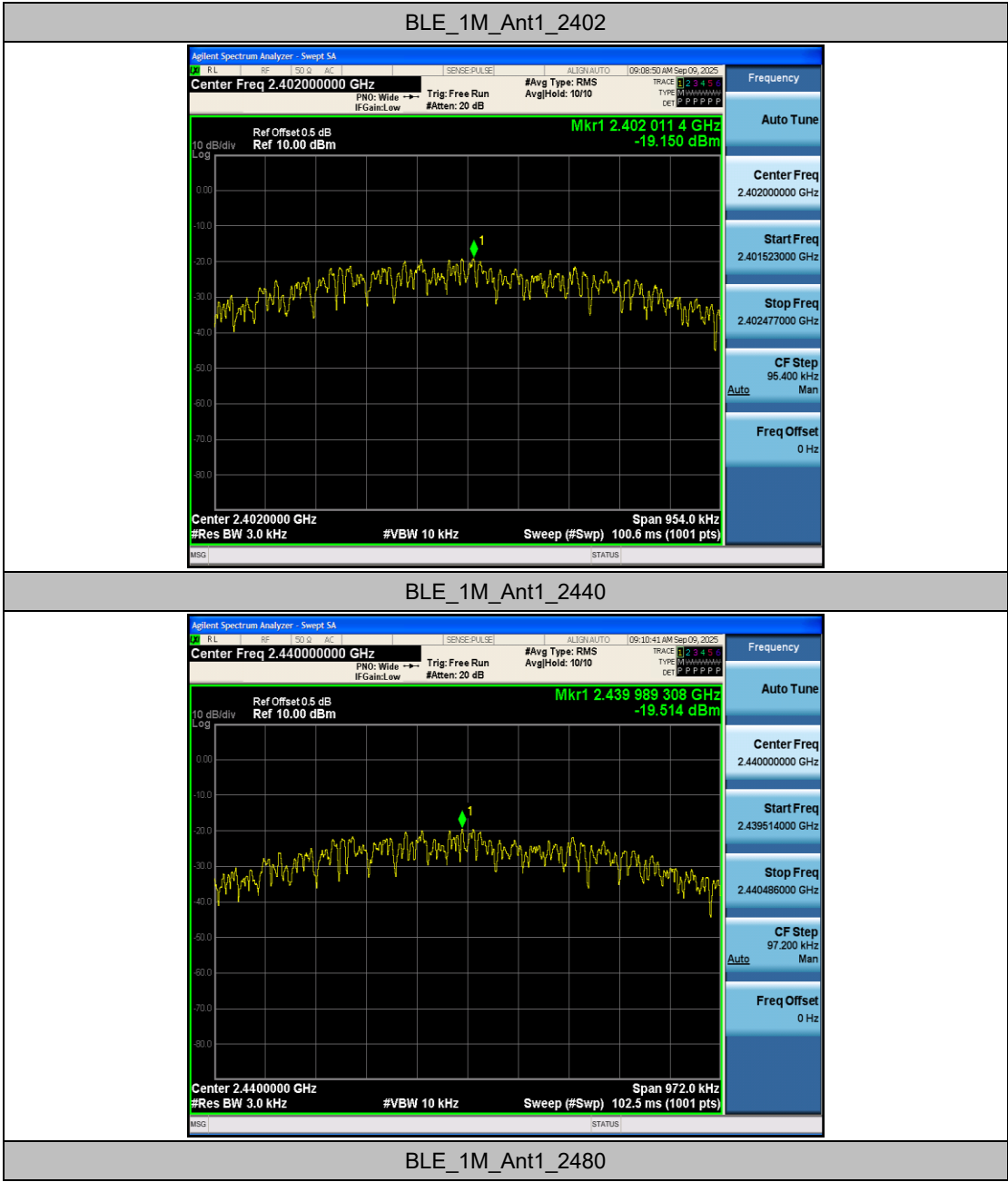
TestMode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-3.30	≤30	PASS
		2440	-3.92	≤30	PASS
		2480	-4.14	≤30	PASS

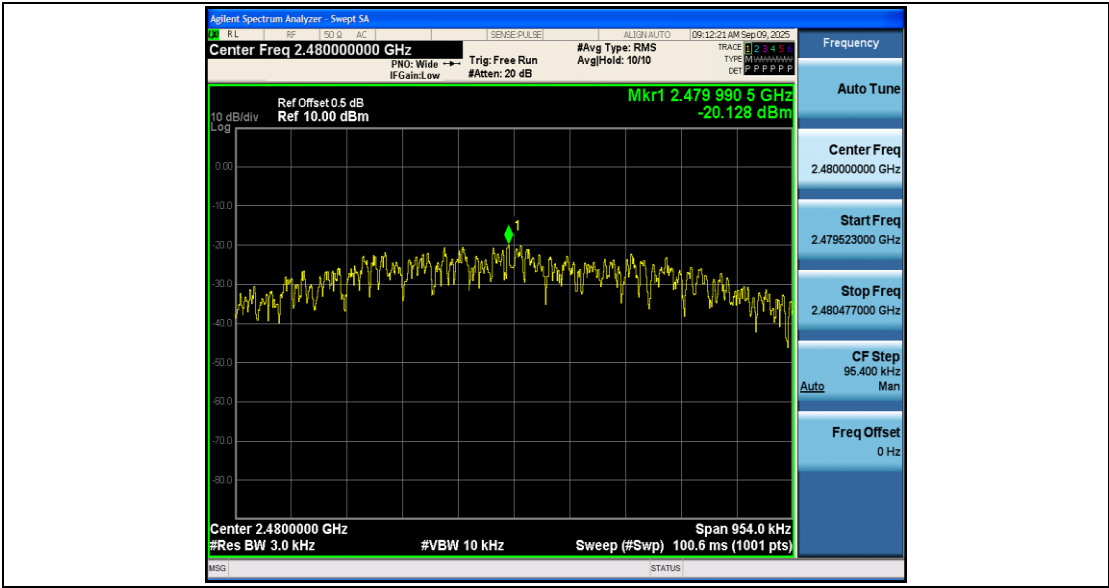
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-19.15	≤8.00	PASS
		2440	-19.51	≤8.00	PASS
		2480	-20.13	≤8.00	PASS

Test Graphs



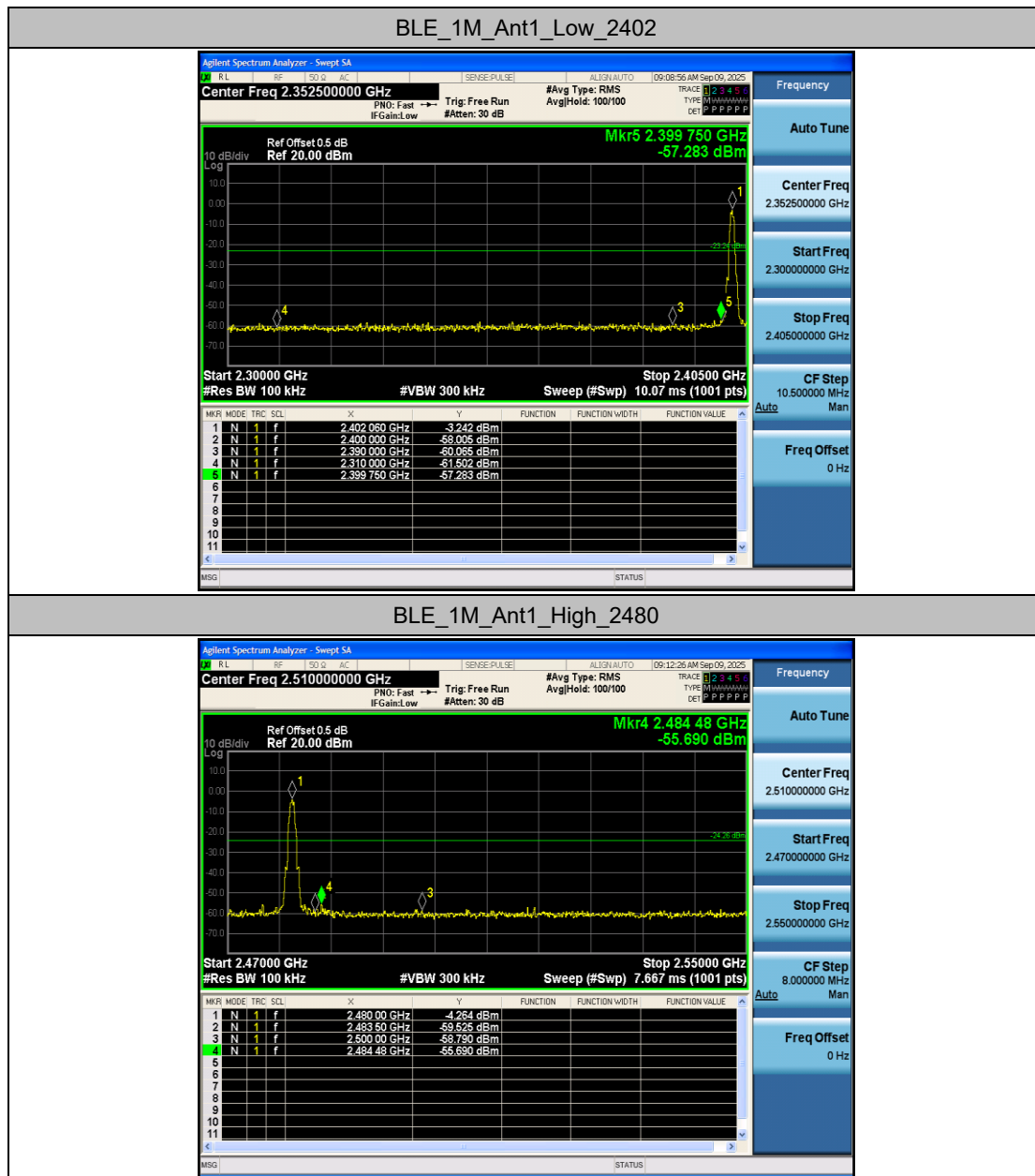


Appendix E: Band edge measurements

Test Result

TestMod e	Antenn a	ChNam e	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdic t
BLE_1M	Ant1	Low	2402	-3.24	-57.28	≤-23.24	PASS
		High	2480	-4.26	-55.69	≤-24.26	PASS

Test Graphs

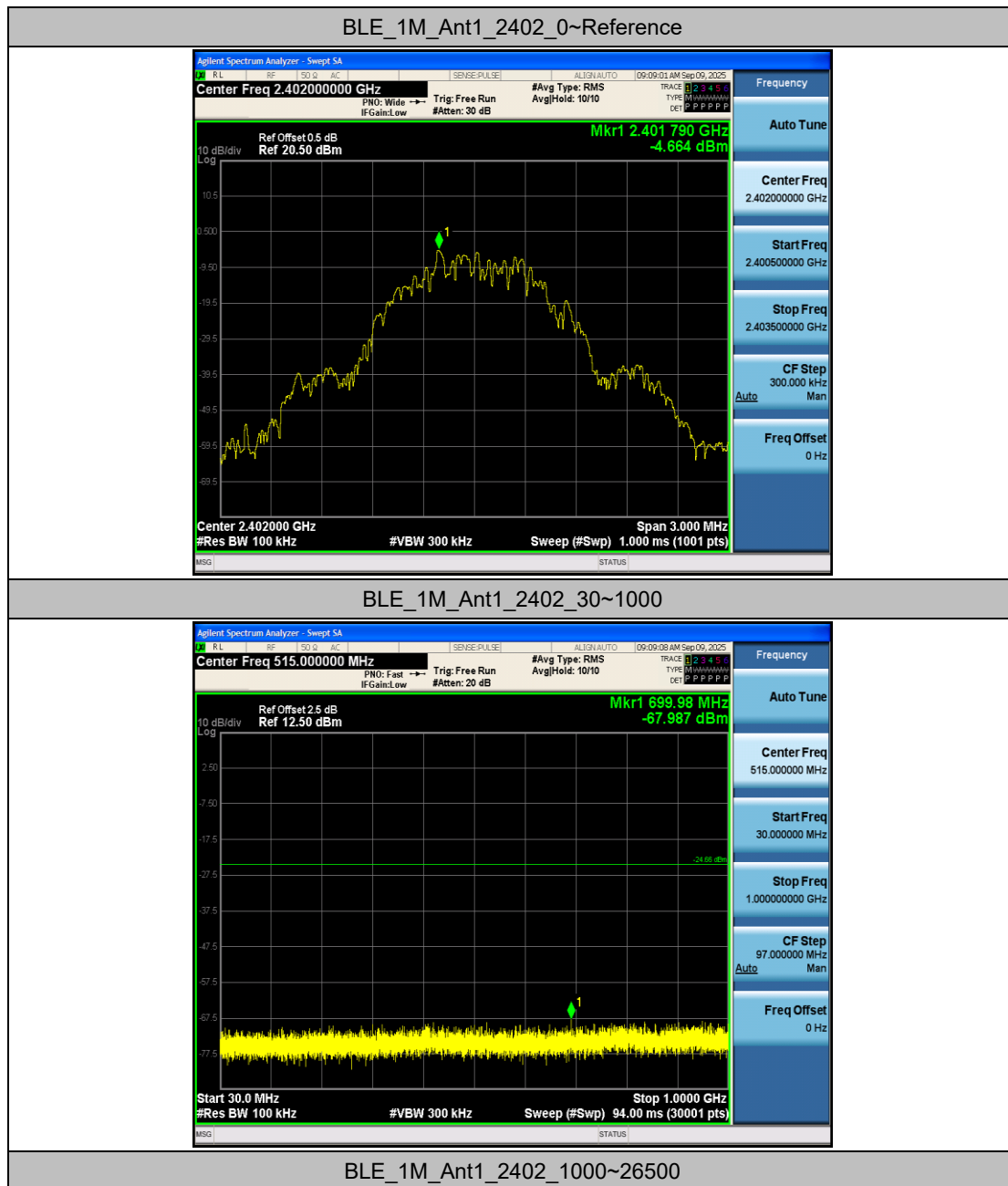


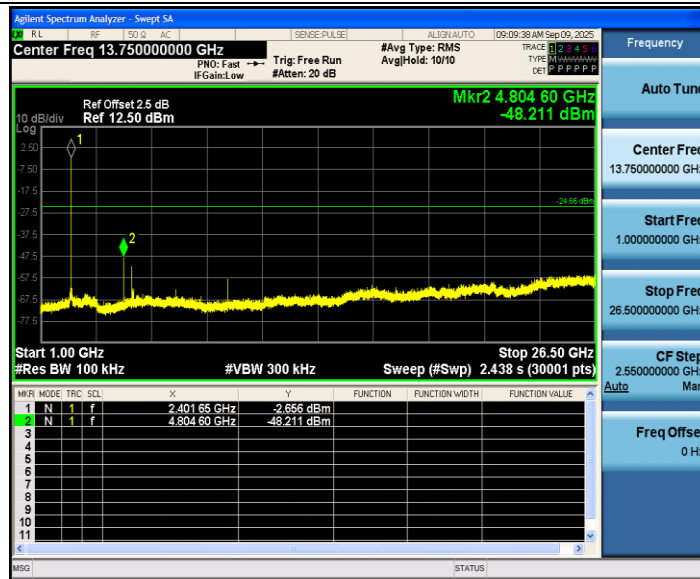
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-4.66	-4.66	---	PASS
			30~1000	-4.66	-67.99	≤-24.66	PASS
			1000~26500	-4.66	-48.21	≤-24.66	PASS
		2440	Reference	-4.27	-4.27	---	PASS
			30~1000	-4.27	-65.8	≤-24.27	PASS
			1000~26500	-4.27	-48.99	≤-24.27	PASS
		2480	Reference	-4.87	-4.87	---	PASS
			30~1000	-4.87	-67.81	≤-24.87	PASS
			1000~26500	-4.87	-47.98	≤-24.87	PASS

Test Graphs

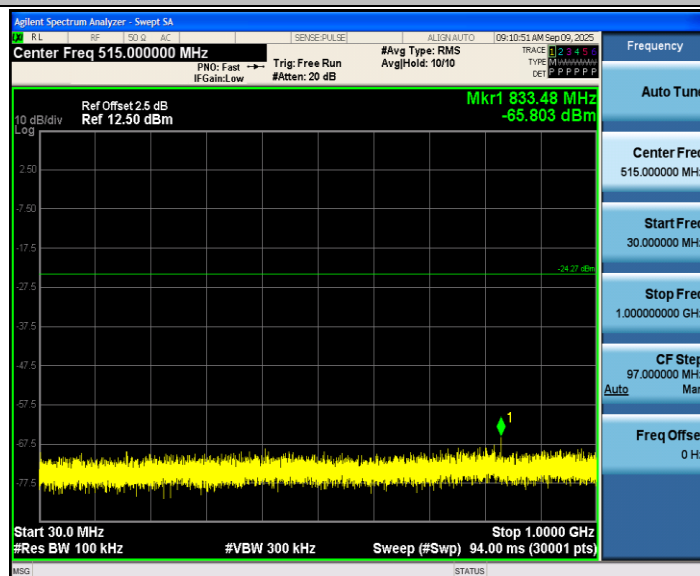




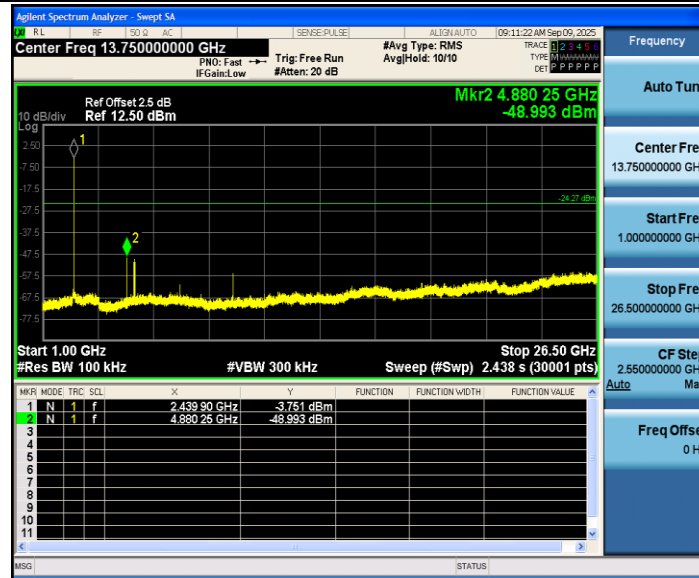
BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



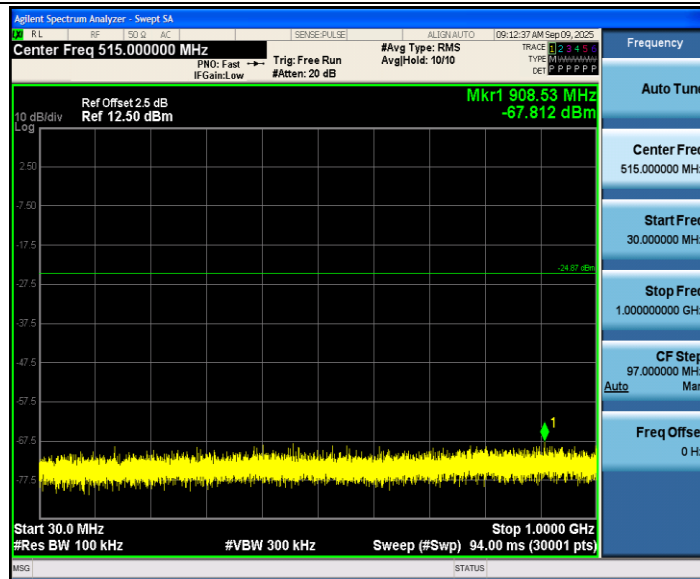
BLE_1M_Ant1_2440_1000~26500



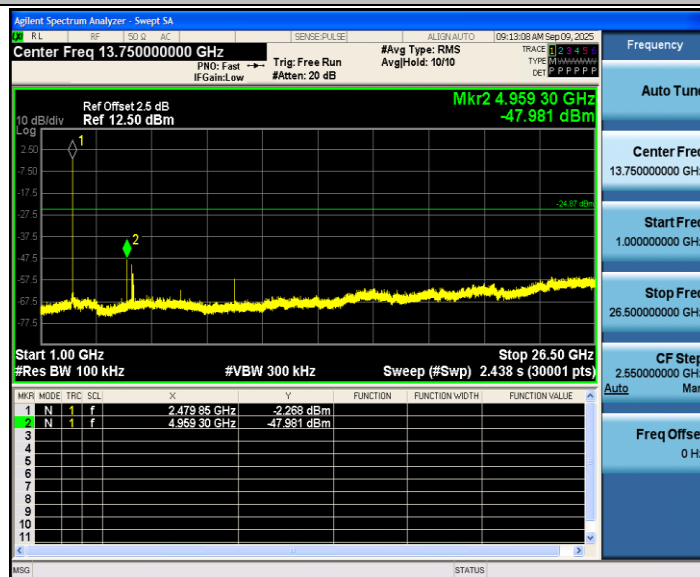
BLE_1M_Ant1_2480_0~Reference



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

