



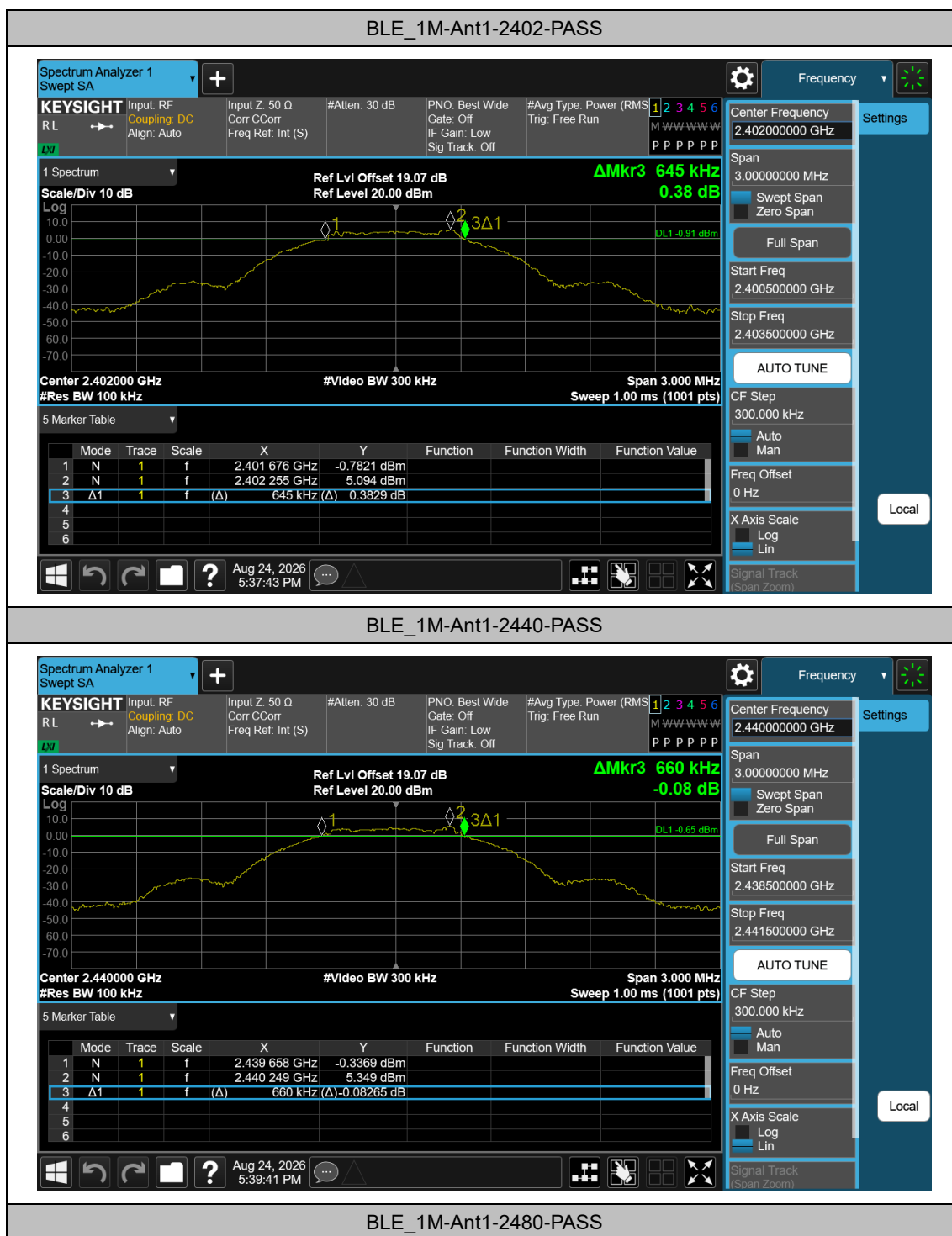
Appendix A: DTS Bandwidth

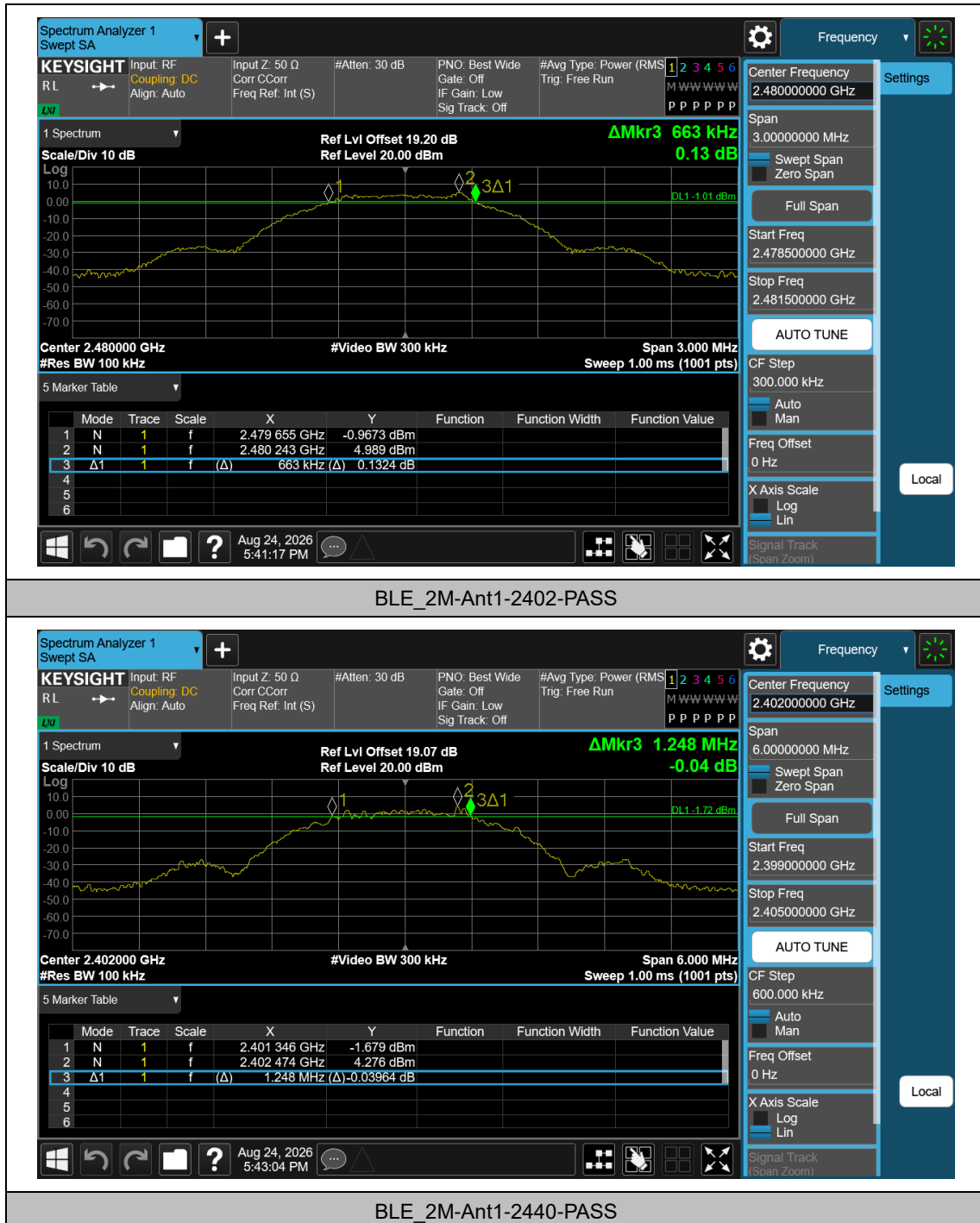
Test Result

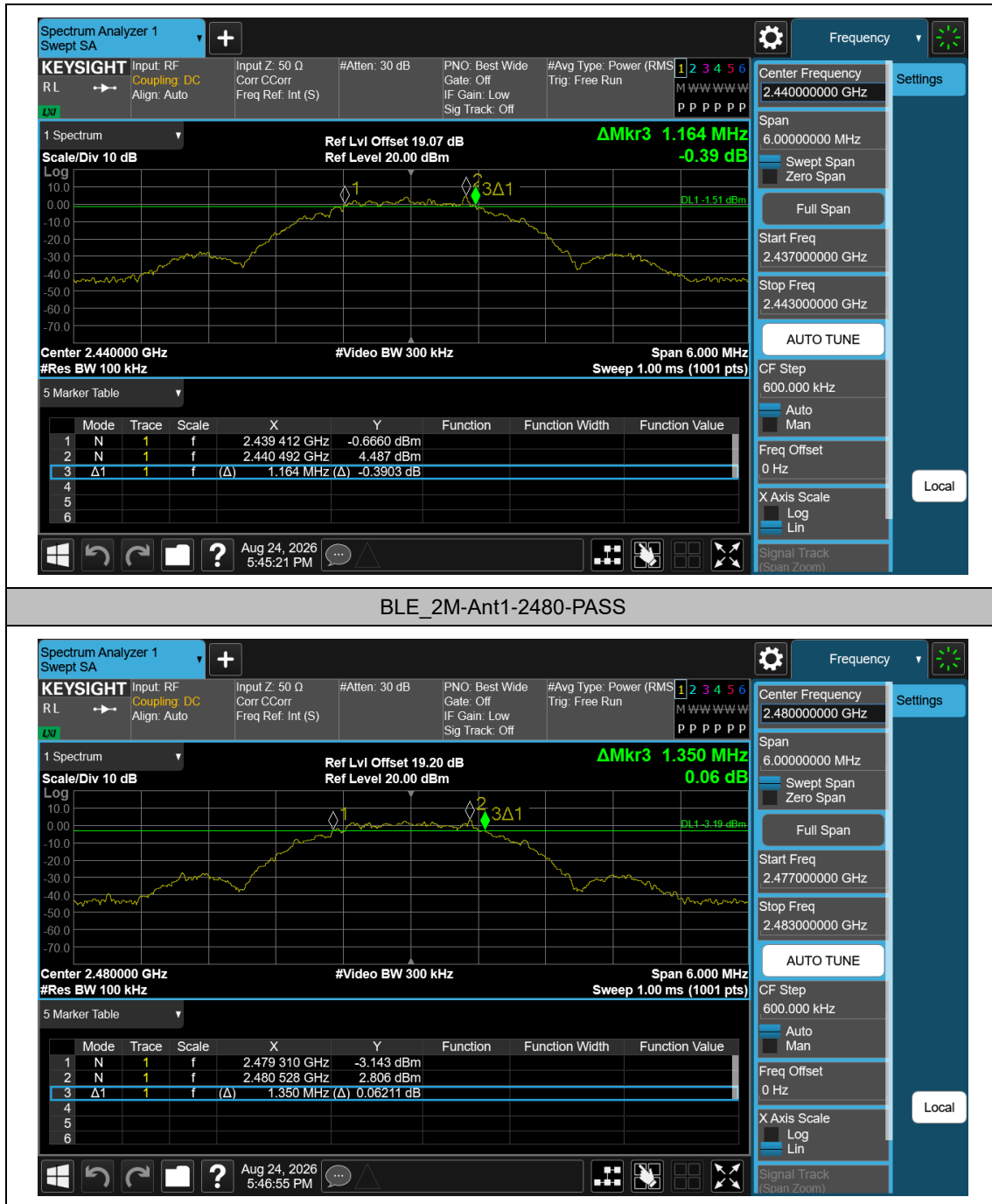
Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.645	2401.676	2402.321	0.5	PASS
BLE_1M	Ant1	2440	0.660	2439.658	2440.318	0.5	PASS
BLE_1M	Ant1	2480	0.663	2479.655	2480.318	0.5	PASS
BLE_2M	Ant1	2402	1.248	2401.346	2402.594	0.5	PASS
BLE_2M	Ant1	2440	1.164	2439.412	2440.576	0.5	PASS
BLE_2M	Ant1	2480	1.350	2479.310	2480.660	0.5	PASS



Test Graphs







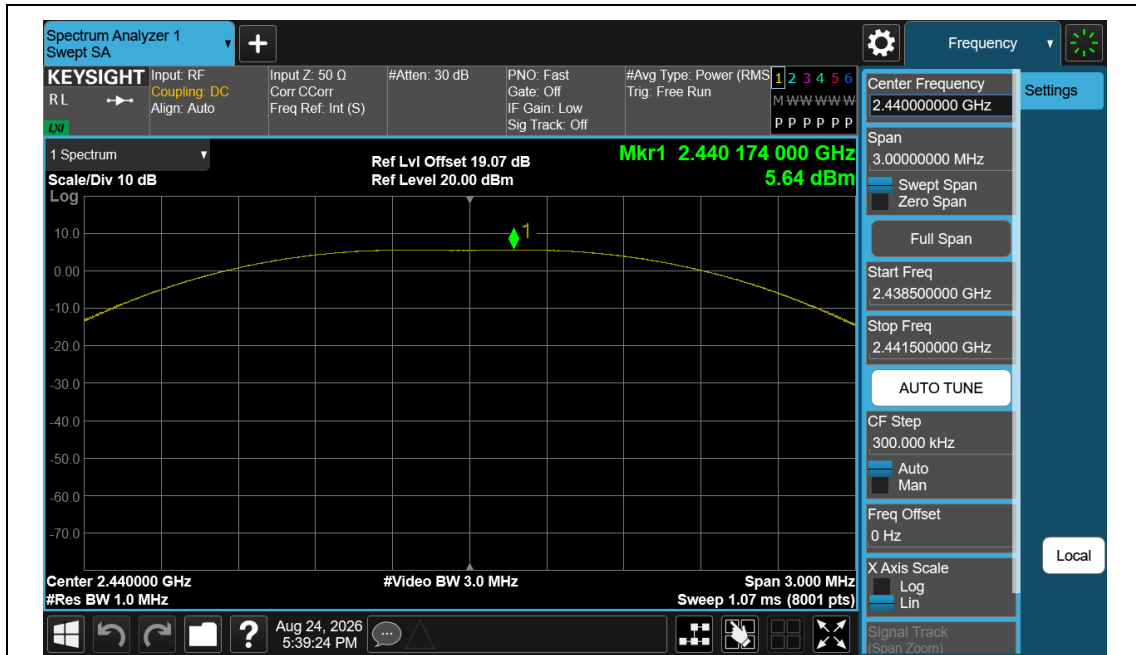
Appendix B: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	5.55	≤30	PASS
BLE_1M	Ant1	2440	5.64	≤30	PASS
BLE_1M	Ant1	2480	5.20	≤30	PASS
BLE_2M	Ant1	2402	5.60	≤30	PASS
BLE_2M	Ant1	2440	5.69	≤30	PASS
BLE_2M	Ant1	2480	5.22	≤30	PASS

Test Graphs Peak

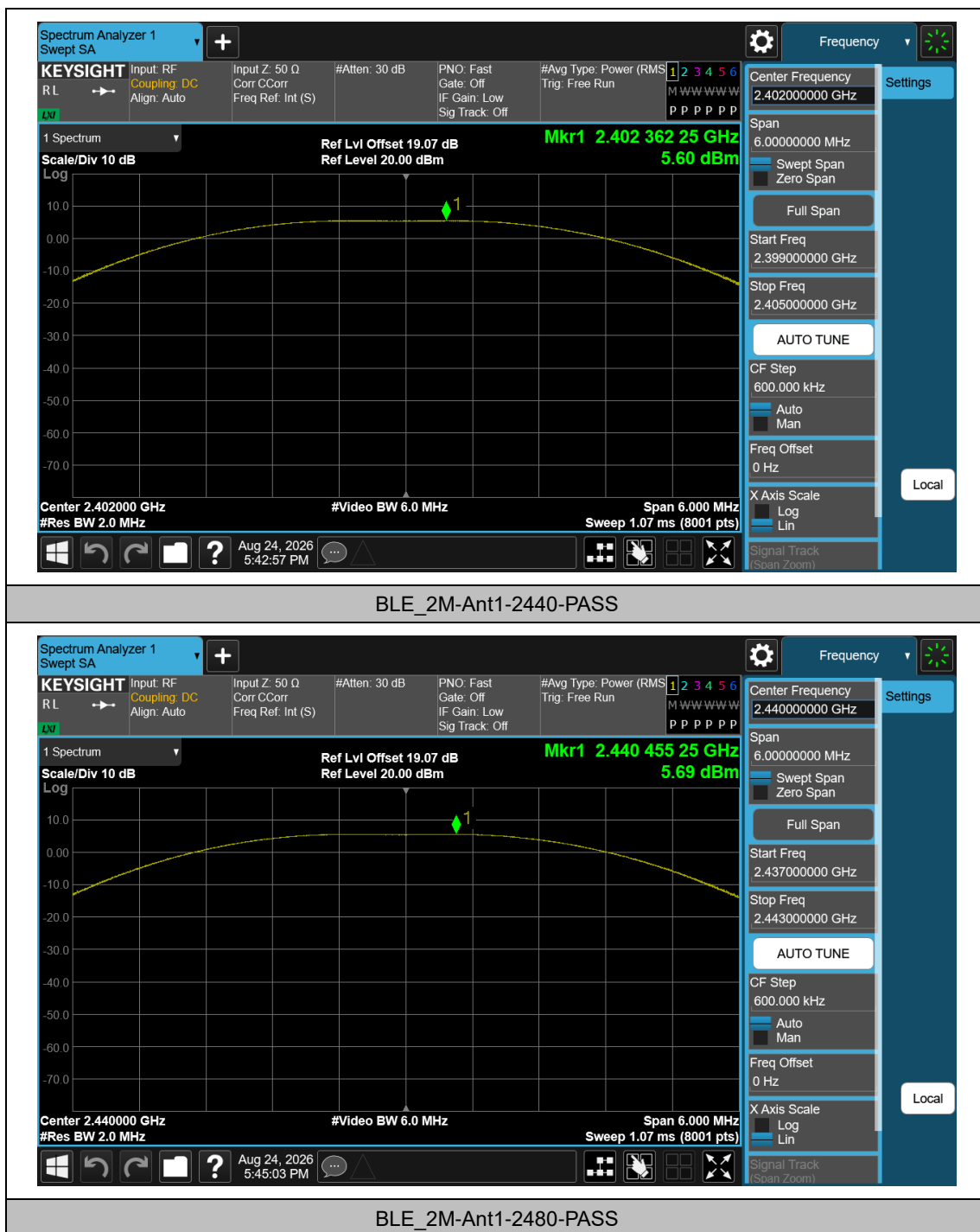


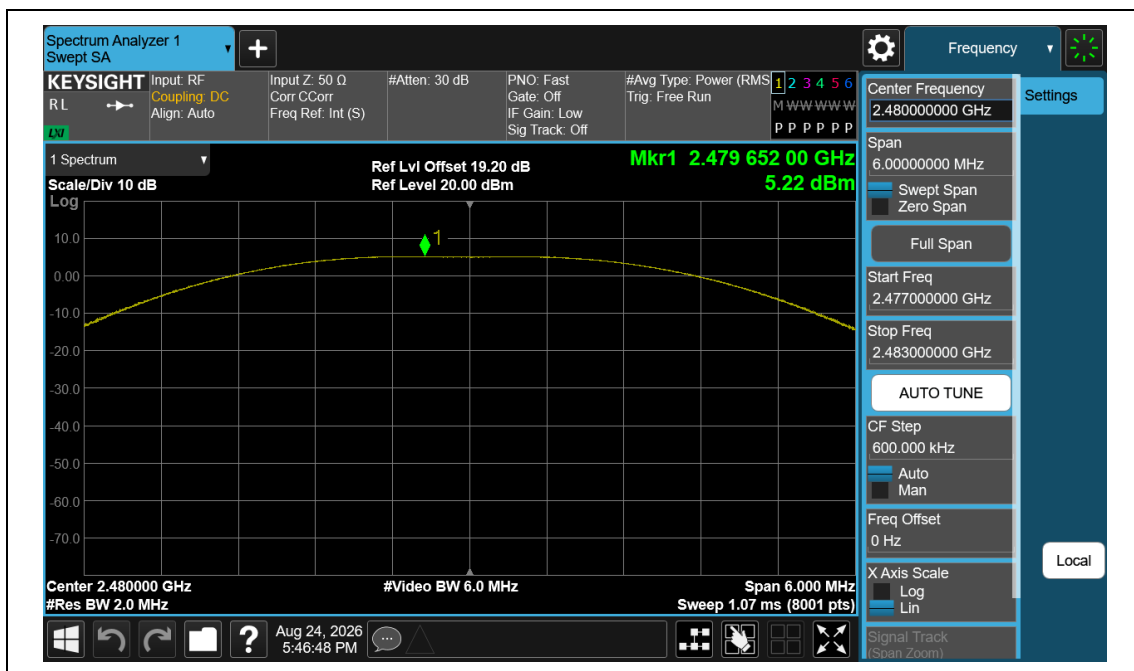


BLE_1M-Ant1-2480-PASS



BLE_2M-Ant1-2402-PASS





Appendix C: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-10.52	≤8.00	PASS
BLE_1M	Ant1	2440	-10.51	≤8.00	PASS
BLE_1M	Ant1	2480	-10.90	≤8.00	PASS
BLE_2M	Ant1	2402	-12.91	≤8.00	PASS
BLE_2M	Ant1	2440	-12.97	≤8.00	PASS
BLE_2M	Ant1	2480	-13.35	≤8.00	PASS

BLE_1M-Ant1-2402-PASS

Spectrum Analyzer 1
Swept SA

KEYSIGHT Input: RF Coupling: DC Align: Auto Input Z: 50 Ω Corr: CCorr Freq Ref: Int (S) #Atten: 20 dB PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off #Avg Type: Power (RMS) Trig: Free Run 1 2 3 4 5 6 M WWW WWW W P P P P P P

1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 19.07 dB
Ref Level 10.00 dBm
Mkr1 2.402 011 6 GHz
-10.52 dBm

Center 2.4020000 GHz
#Res BW 3.0 kHz
#Video BW 10 kHz
Span 967.5 kHz
Sweep 102 ms (1001 pts)

Aug 24, 2026 5:38:13 PM

Settings
Center Frequency 2.402000000 GHz
Span 967.500000 kHz
Swept Span
Zero Span
Full Span
Start Freq 2.401516250 GHz
Stop Freq 2.402483750 GHz
AUTO TUNE
CF Step 96.750 kHz
Auto
Man
Freq Offset 0 Hz
X Axis Scale
Log
Lin
Signal Track (Span Zoom)
Local

BLE_1M-Ant1-2440-PASS

Spectrum Analyzer 1
Swept SA

KEYSIGHT Input: RF Coupling: DC Align: Auto Input Z: 50 Ω Corr: CCorr Freq Ref: Int (S) #Atten: 20 dB PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off #Avg Type: Power (RMS) Trig: Free Run 1 2 3 4 5 6 M WWW WWW W P P P P P P

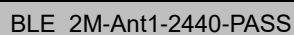
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 19.07 dB
Ref Level 10.00 dBm
Mkr1 2.440 009 90 GHz
-10.51 dBm

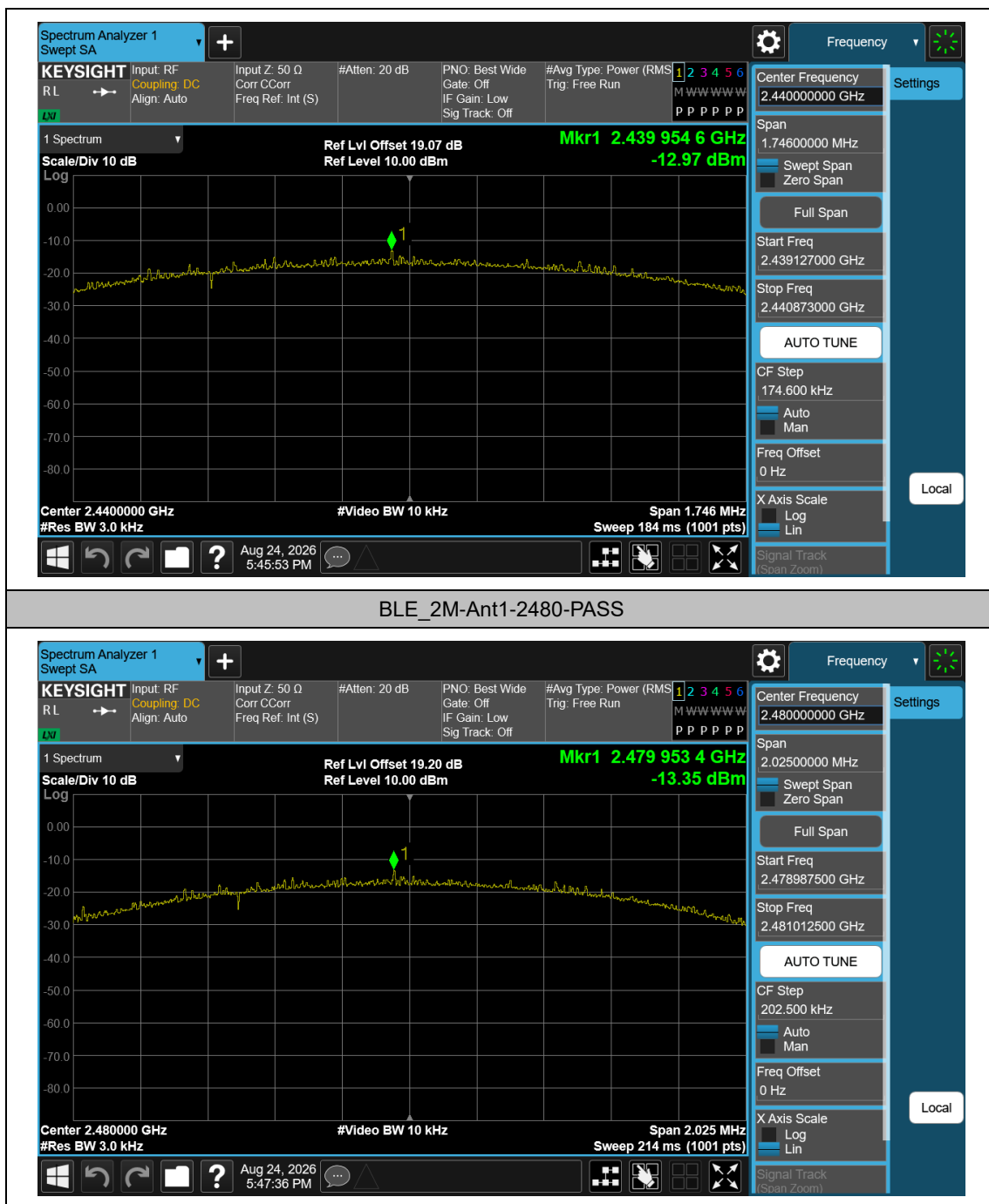
Center 2.4400000 GHz
#Res BW 3.0 kHz
#Video BW 10 kHz
Span 990.0 kHz
Sweep 104 ms (1001 pts)

Aug 24, 2026 5:40:10 PM

Settings
Center Frequency 2.440000000 GHz
Span 990.000000 kHz
Swept Span
Zero Span
Full Span
Start Freq 2.439505000 GHz
Stop Freq 2.440495000 GHz
AUTO TUNE
CF Step 99.000 kHz
Auto
Man
Freq Offset 0 Hz
X Axis Scale
Log
Lin
Signal Track (Span Zoom)
Local

BLE_1M-Ant1-2480-PASS





Appendix D: Reference level measurement

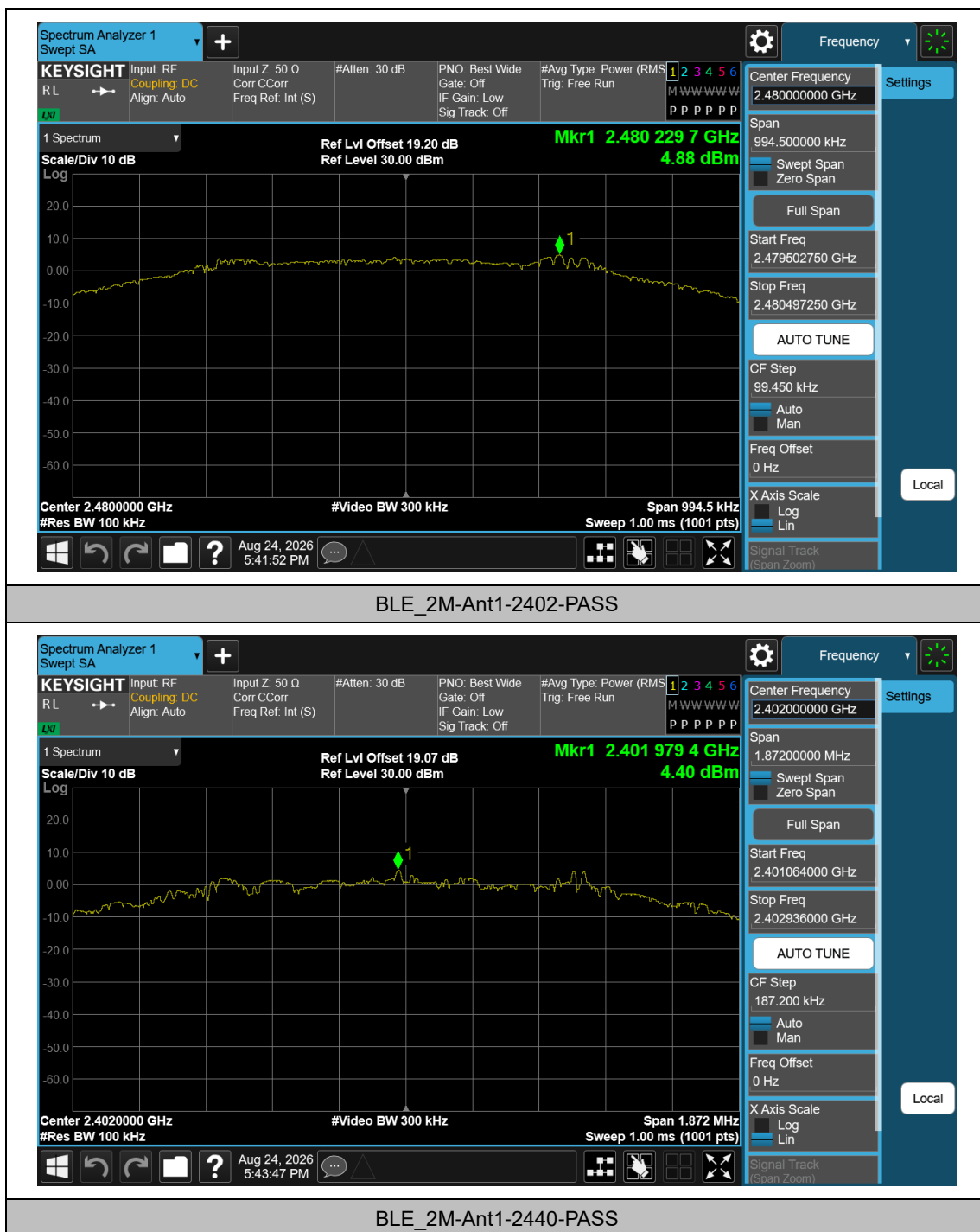
Test Result

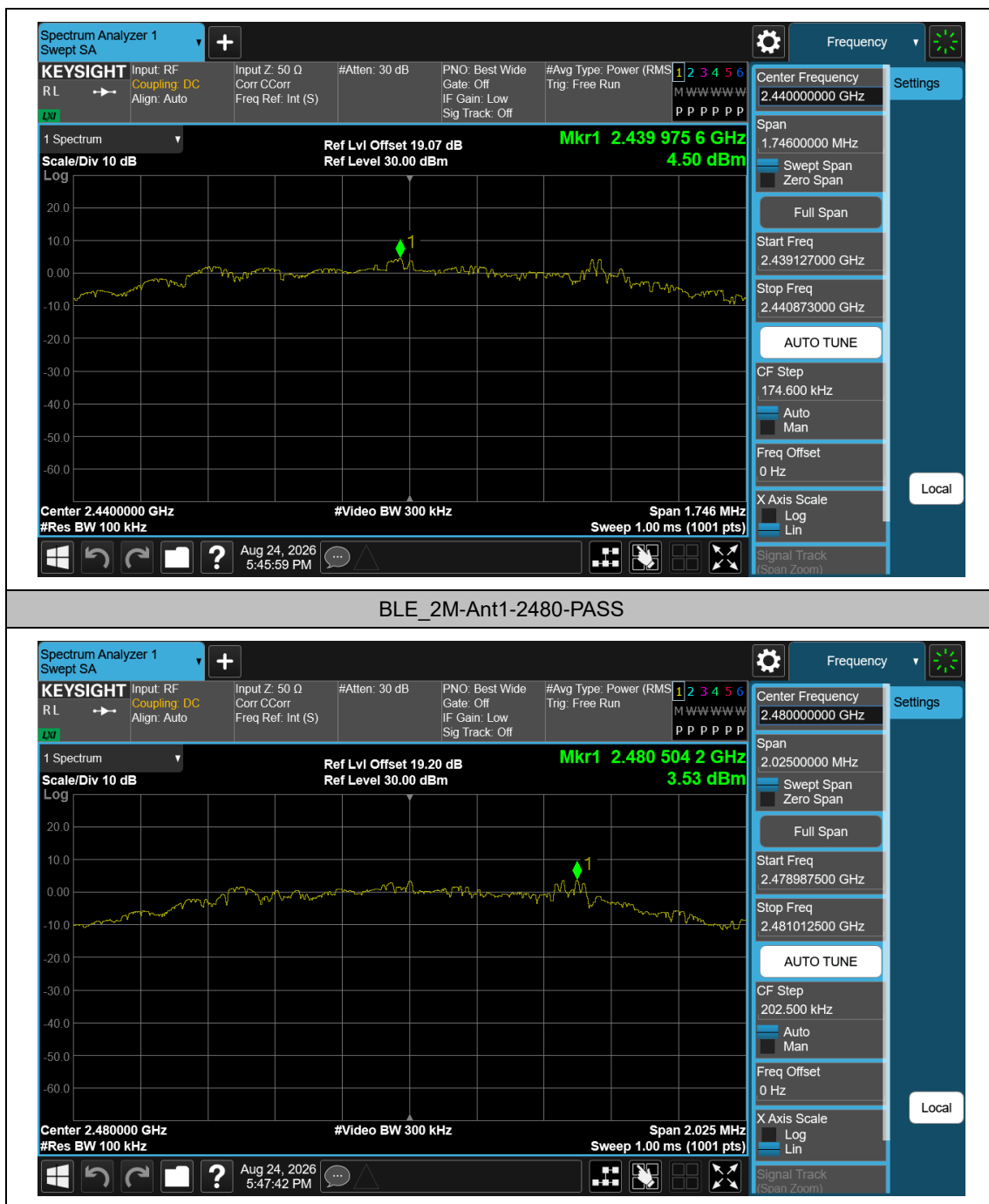
TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
BLE_1M	Ant1	2402	2402.24	5.38
BLE_1M	Ant1	2440	2440.24	5.43
BLE_1M	Ant1	2480	2480.23	4.88
BLE_2M	Ant1	2402	2401.98	4.40
BLE_2M	Ant1	2440	2439.98	4.50
BLE_2M	Ant1	2480	2480.50	3.53



Test Graphs







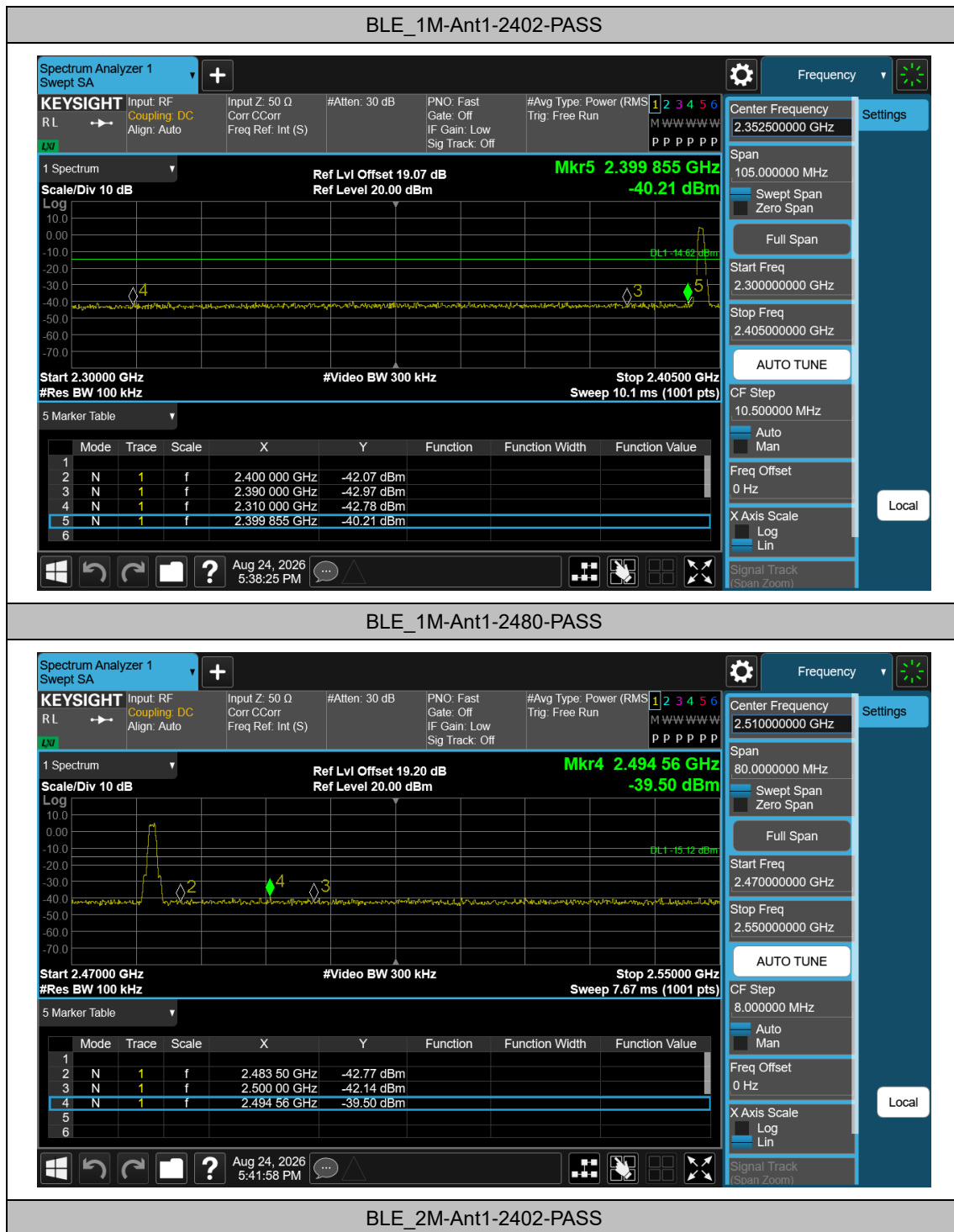
Appendix E: Band edge measurements

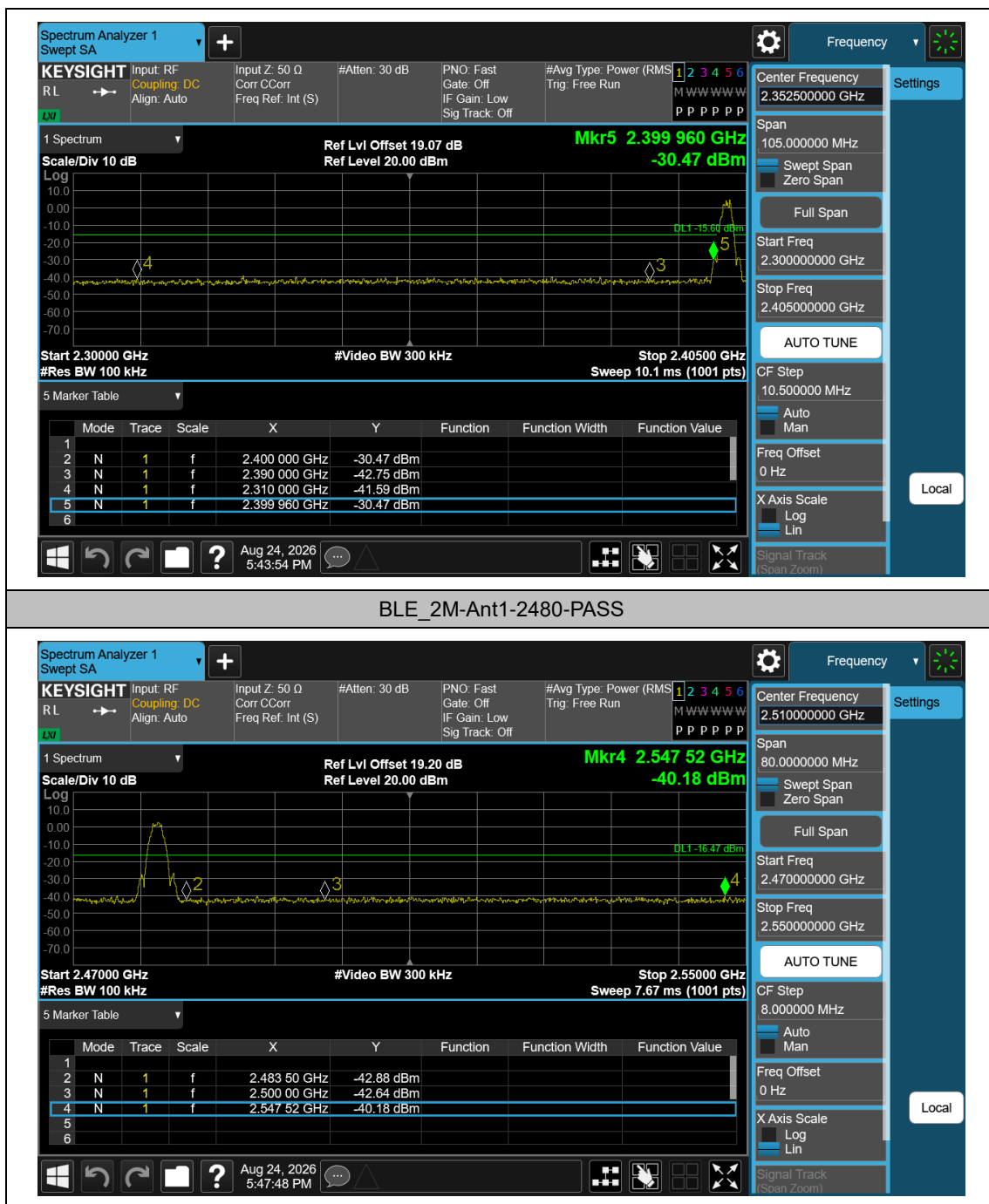
Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	5.38	-40.21	≤ -14.62	PASS
BLE_1M	Ant1	High	2480	4.88	-39.50	≤ -15.12	PASS
BLE_2M	Ant1	Low	2402	4.40	-30.47	≤ -15.60	PASS
BLE_2M	Ant1	High	2480	3.53	-40.18	≤ -16.47	PASS



Test Graphs





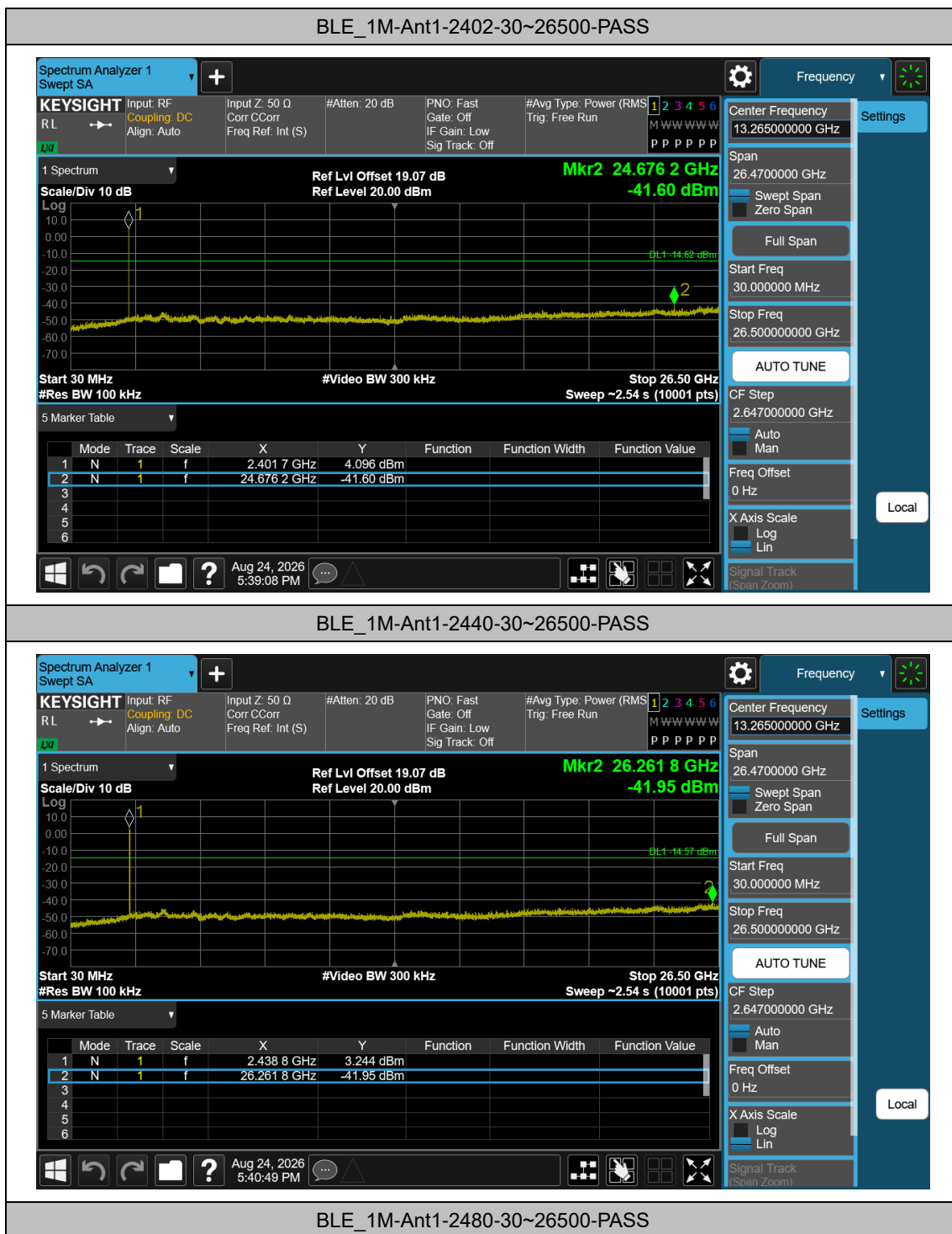
Appendix F: Conducted Spurious Emission

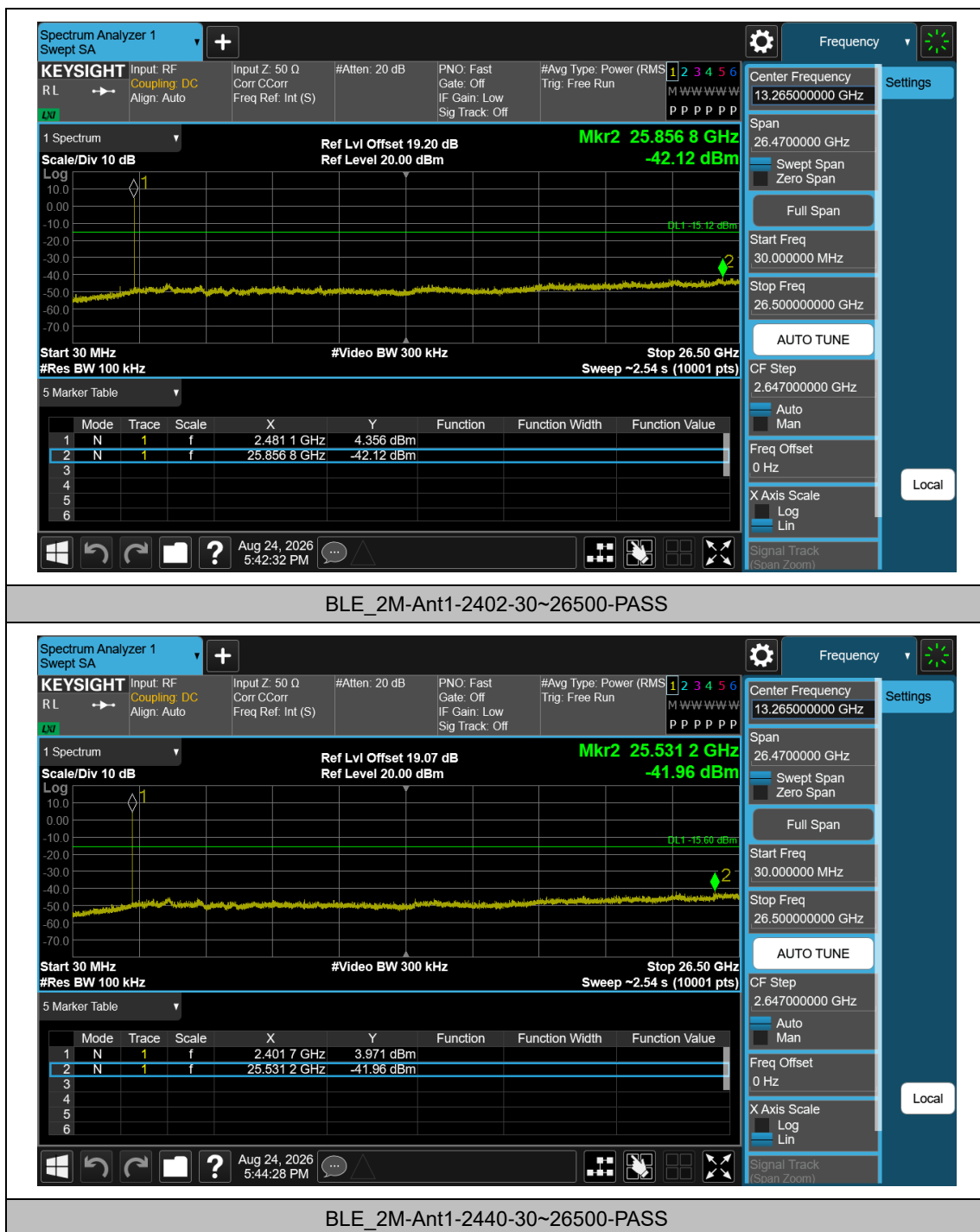
Test Result

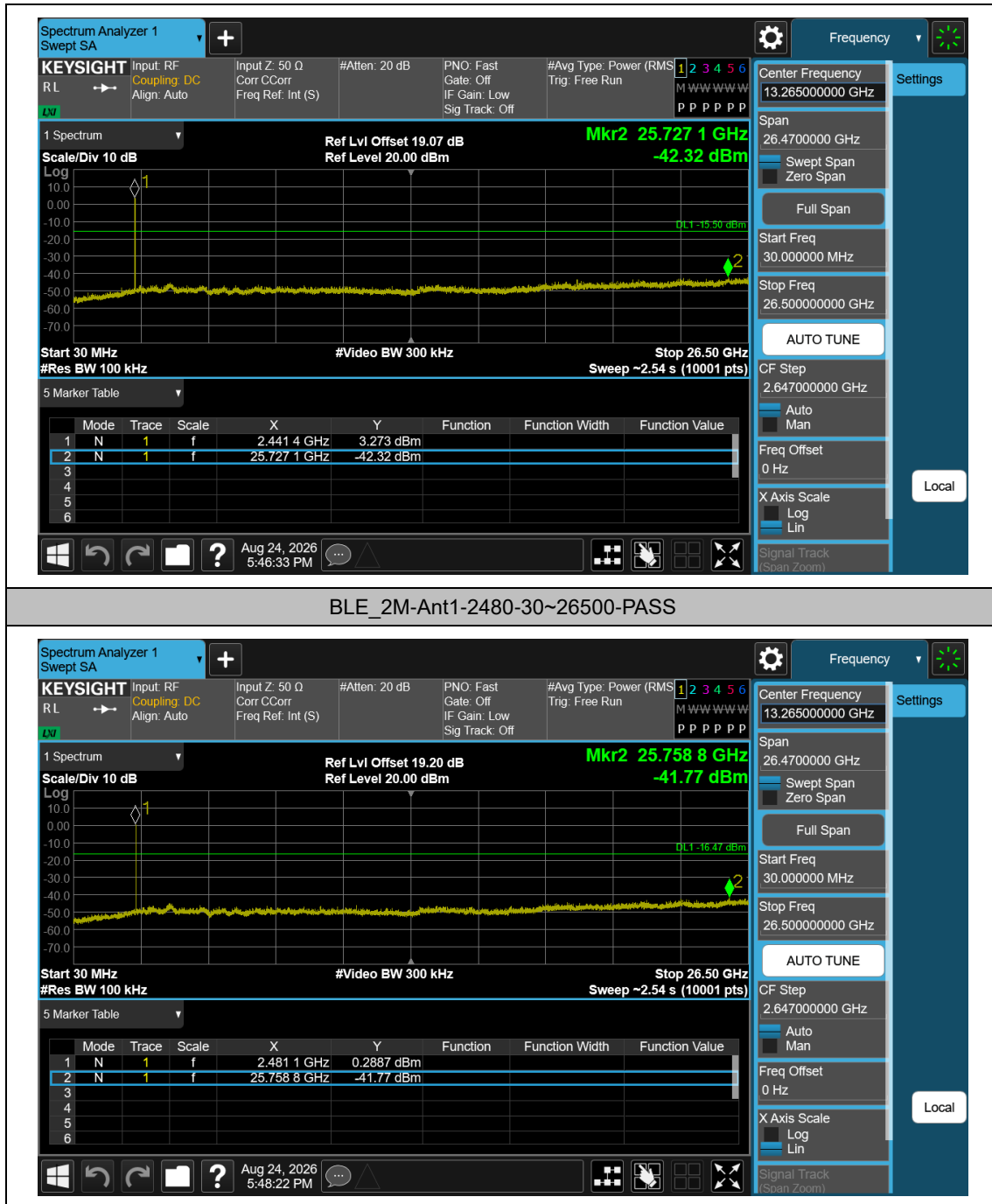
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	30~26500	5.38	-41.60	≤-14.62	PASS
BLE_1M	Ant1	2440	30~26500	5.43	-41.96	≤-14.57	PASS
BLE_1M	Ant1	2480	30~26500	4.88	-42.12	≤-15.12	PASS
BLE_2M	Ant1	2402	30~26500	4.40	-41.96	≤-15.60	PASS
BLE_2M	Ant1	2440	30~26500	4.50	-42.32	≤-15.50	PASS
BLE_2M	Ant1	2480	30~26500	3.53	-41.78	≤-16.47	PASS



Test Graphs









Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2440	2.13	2.50	85.20	0.70
BLE_2M	Ant1	2440	1.07	1.88	56.91	2.45



Test Graphs

