

Appendix A.1: DTS Bandwidth

Test Result

Test Mode	Antenna	Freq (MHz)	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
BLE_1M	Ant1	2402	0.516	2401.692	2402.208	0.5	PASS
		2440	0.516	2439.696	2440.212	0.5	PASS
		2480	0.516	2479.696	2480.212	0.5	PASS

Test Graphs





Appendix A.2: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Freq (MHz)	OCB [MHz]	FL [MHz]	FH [MHz]
BLE_1M	Ant1	2402	1.0275	2401.5276	2402.5551
		2440	1.0285	2439.5298	2440.5583
		2480	1.0289	2479.5267	2480.5556

Test Graphs



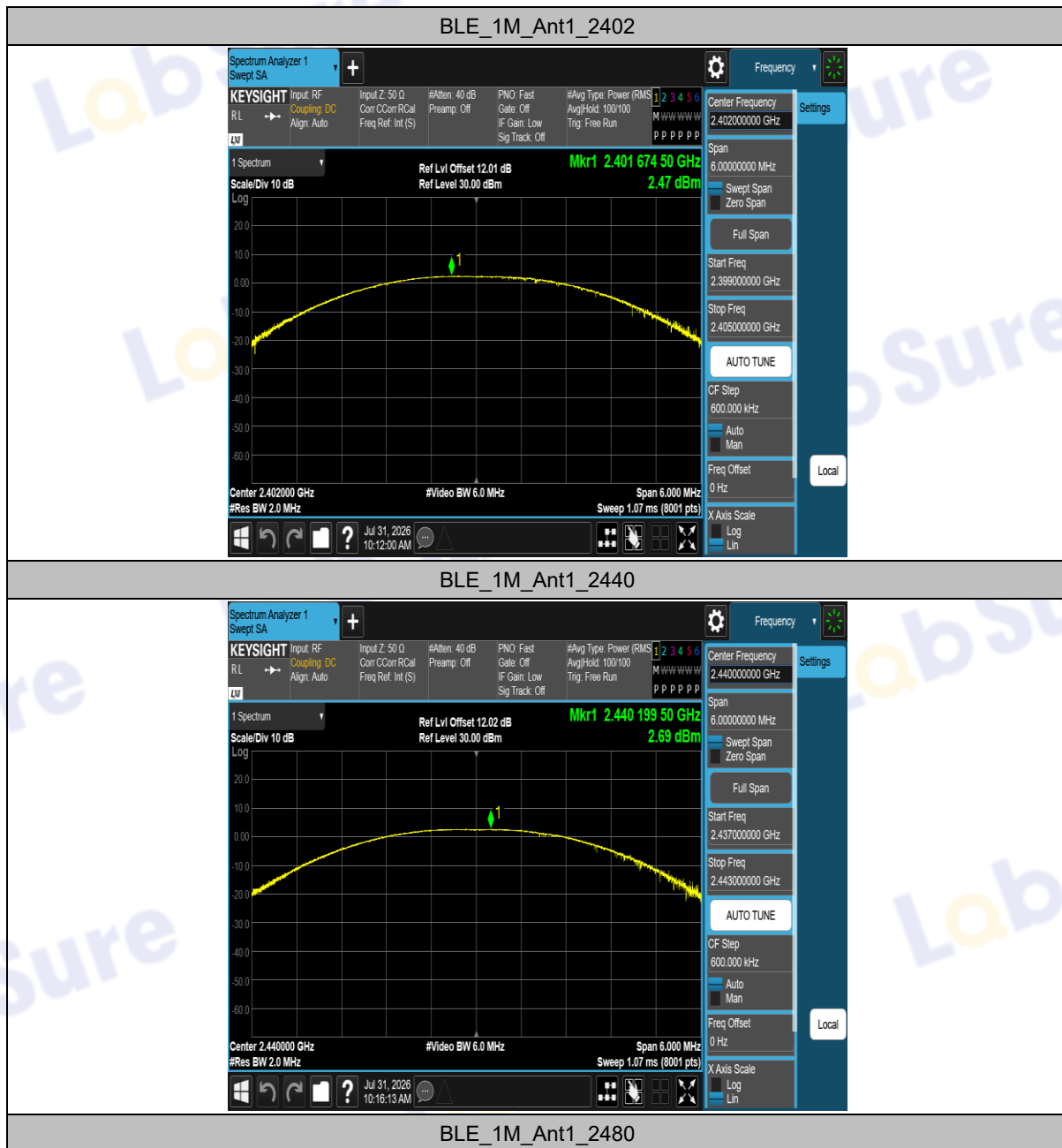


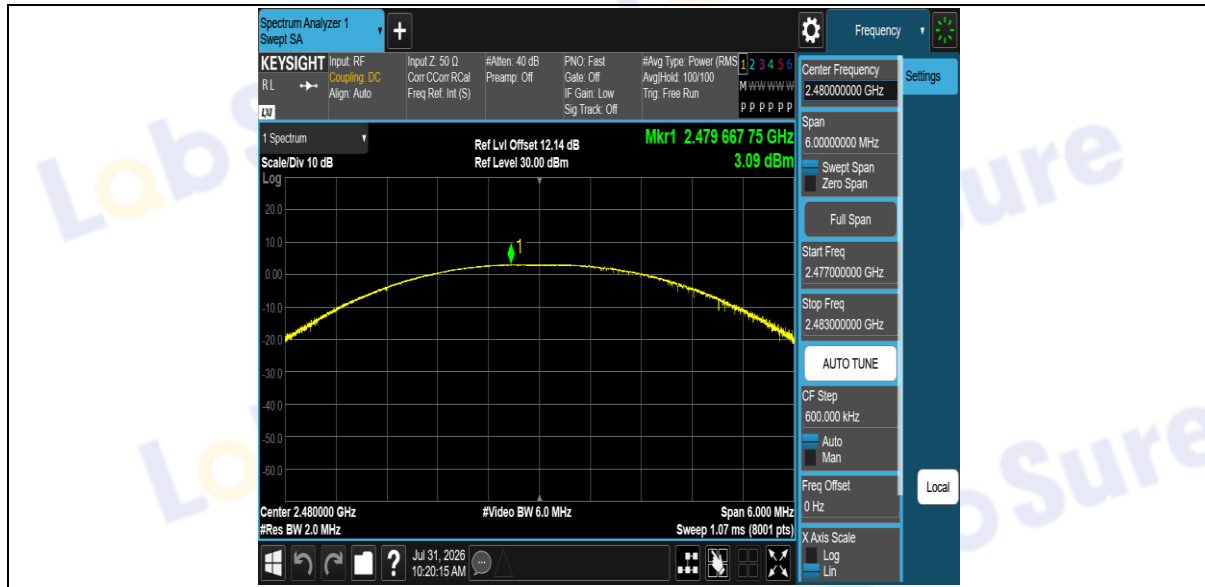
Appendix A.3: Maximum Conducted Output Power

Test Result - Peak Power

Test Mode	Antenna	Freq (MHz)	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
BLE_1M	Ant1	2402	2.47	≤30	PASS
		2440	2.69	≤30	PASS
		2480	3.09	≤30	PASS

Test Graphs - Peak Power





Appendix A.4: Maximum Power Spectral Density

Test Result

Test Mode	Antenna	Freq (MHz)	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.32	≤8.00	PASS
		2440	-15.22	≤8.00	PASS
		2480	-14.70	≤8.00	PASS

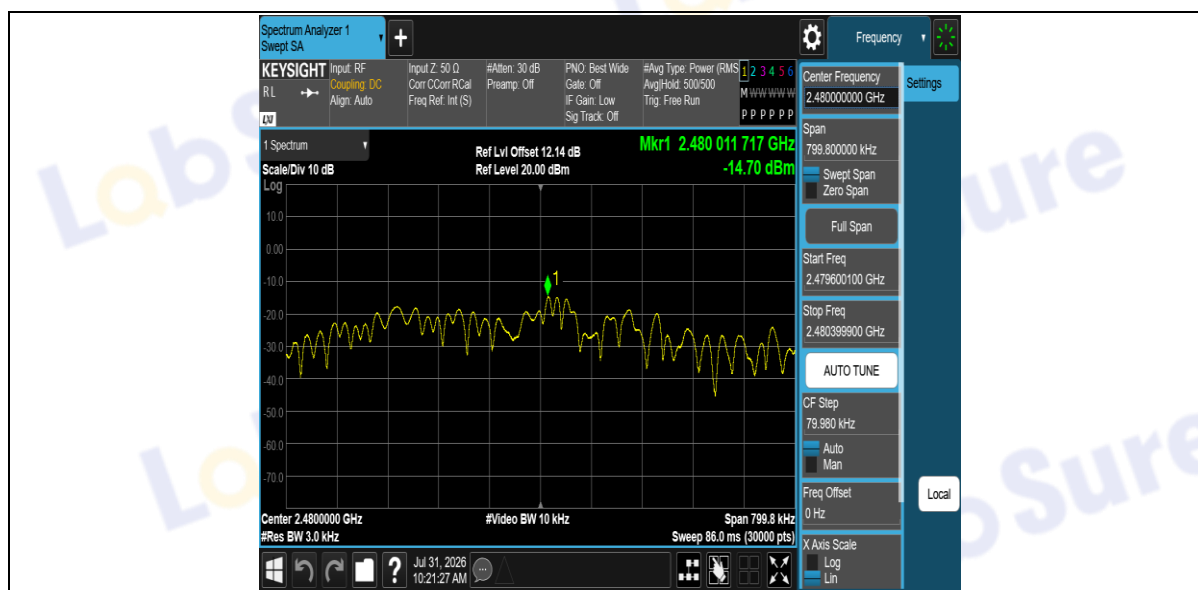
The figure displays two screenshots of a Keysight Spectrum Analyzer interface, showing the measurement of a BLE signal. Both screenshots are titled "BLE_1M_Ant1_2402" and "BLE_1M_Ant1_2440".

Top Screenshot (BLE_1M_Ant1_2402):

- Center Frequency:** 2.402000000 GHz
- Span:** 799.800000 kHz
- Start Freq:** 2.401600100 GHz
- Stop Freq:** 2.402399900 GHz
- CF Step:** 79.980 kHz
- Auto Tune:** Enabled
- Scale/Div:** 10 dB
- Ref Lvl Offset:** 12.01 dB
- Ref Level:** 20.00 dBm
- Mkr1:** 2.402 011 504 GHz, -15.32 dBm
- Video BW:** 10 kHz
- Sweep:** 86.0 ms (30000 pts)

Bottom Screenshot (BLE_1M_Ant1_2440):

- Center Frequency:** 2.440000000 GHz
- Span:** 799.800000 kHz
- Start Freq:** 2.439600100 GHz
- Stop Freq:** 2.440399900 GHz
- CF Step:** 79.980 kHz
- Auto Tune:** Enabled
- Scale/Div:** 10 dB
- Ref Lvl Offset:** 12.02 dB
- Ref Level:** 20.00 dBm
- Mkr1:** 2.440 012 064 GHz, -15.22 dBm
- Video BW:** 10 kHz
- Sweep:** 86.0 ms (30000 pts)



Appendix A.5: Reference Level Measurement

Test Result

Test Mode	Antenna	Freq (MHz)	Max.Point [MHz]	Result [dBm]
BLE_1M	Ant1	2402	2401.79	2.01
		2440	2439.78	2.33
		2480	2479.78	2.87

Test Graphs





Appendix A.6: Band Edge Measurements

Test Result - Authorized-band band-edge

Test Mode	Antenna	ChName	Freq (MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	2.01	-47.73	≤-17.99	PASS
		High	2480	2.87	-46.73	≤-17.13	PASS

Test Graphs - Authorized-band band-edge

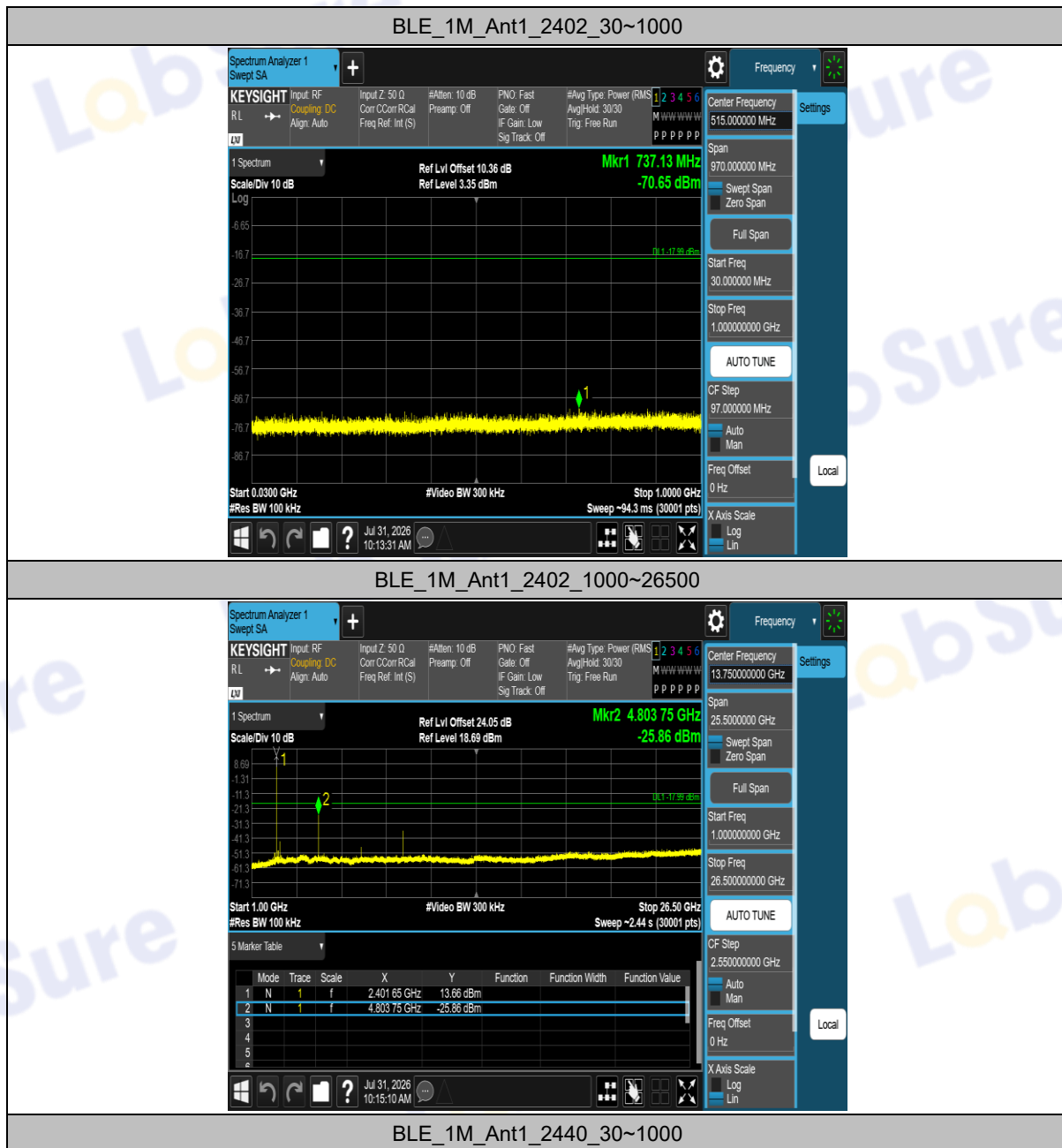


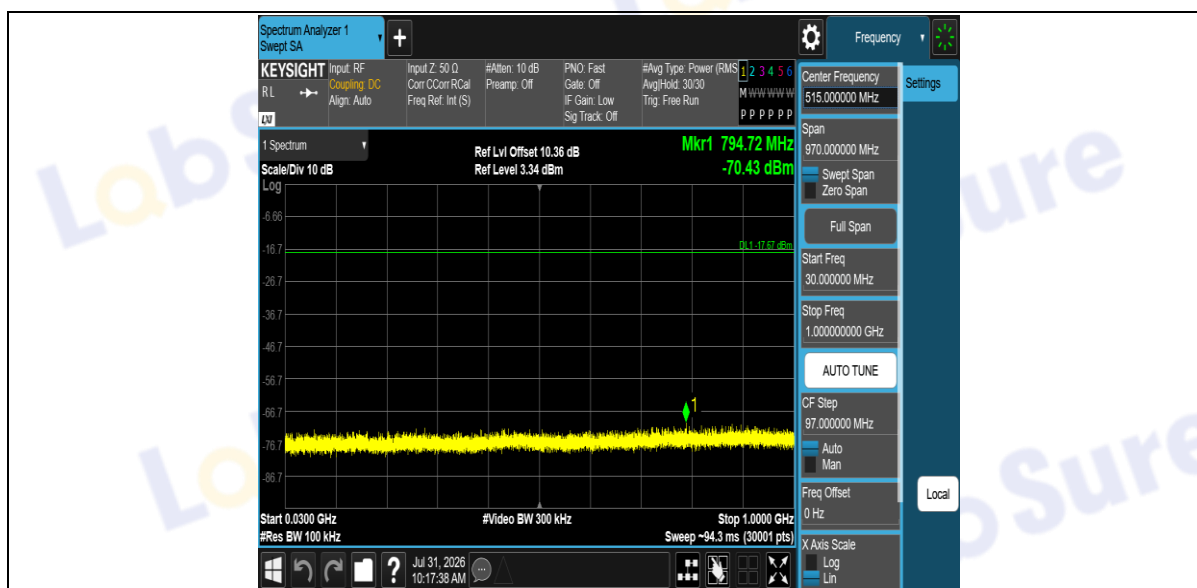
Appendix A.7: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Freq (MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	30~1000	2.01	-70.65	≤-17.99	PASS
			1000~26500	2.01	-25.86	≤-17.99	PASS
		2440	30~1000	2.33	-70.43	≤-17.67	PASS
			1000~26500	2.33	-25.42	≤-17.67	PASS
		2480	30~1000	2.87	-70.43	≤-17.13	PASS
			1000~26500	2.87	-24.57	≤-17.13	PASS

Test Graphs





BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_30~1000

