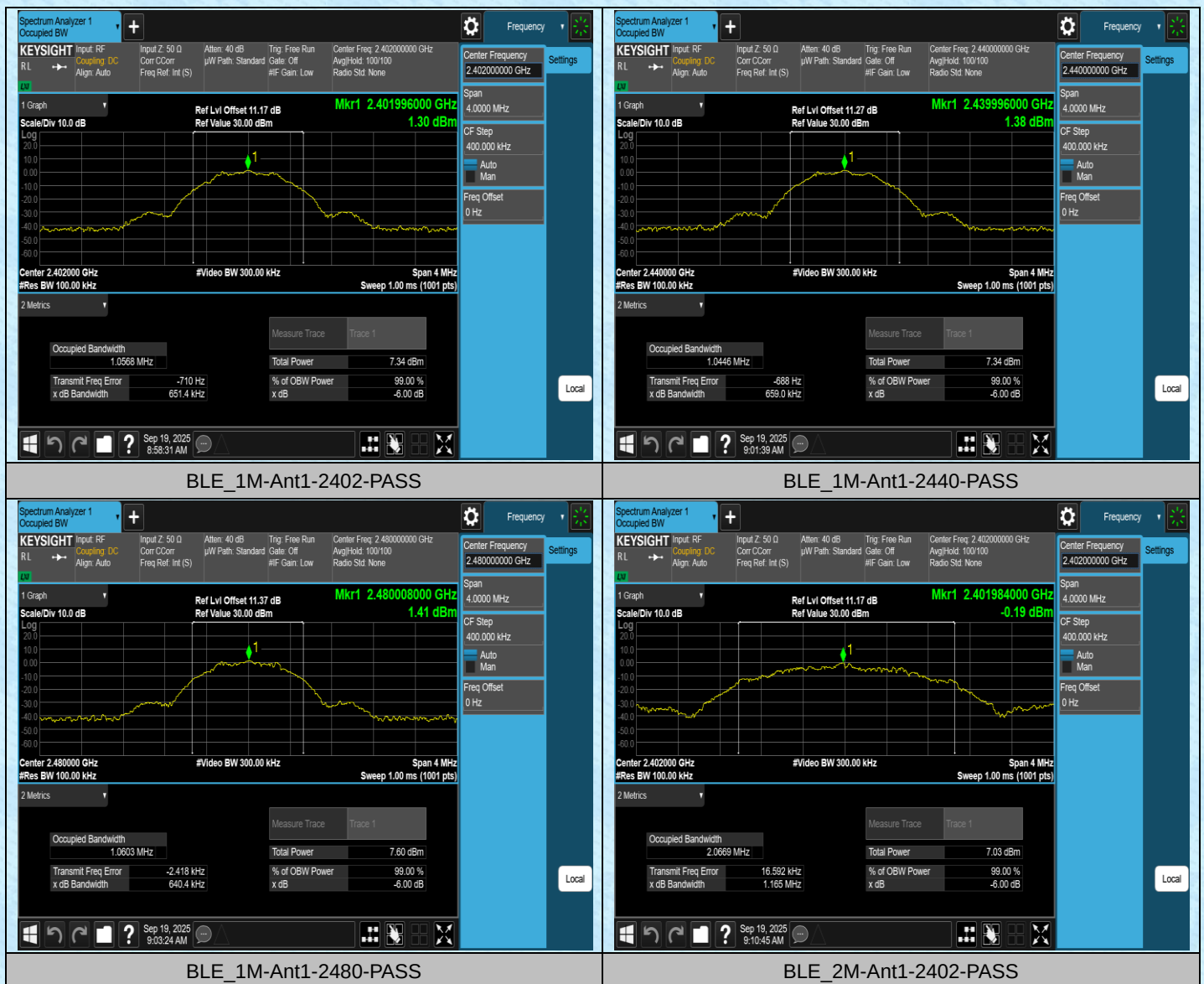


AppendixA: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.6514	0.5	PASS
BLE_1M	Ant1	2440	0.6590	0.5	PASS
BLE_1M	Ant1	2480	0.6404	0.5	PASS
BLE_2M	Ant1	2402	1.165	0.5	PASS
BLE_2M	Ant1	2440	1.091	0.5	PASS
BLE_2M	Ant1	2480	1.115	0.5	PASS

Test Graphs



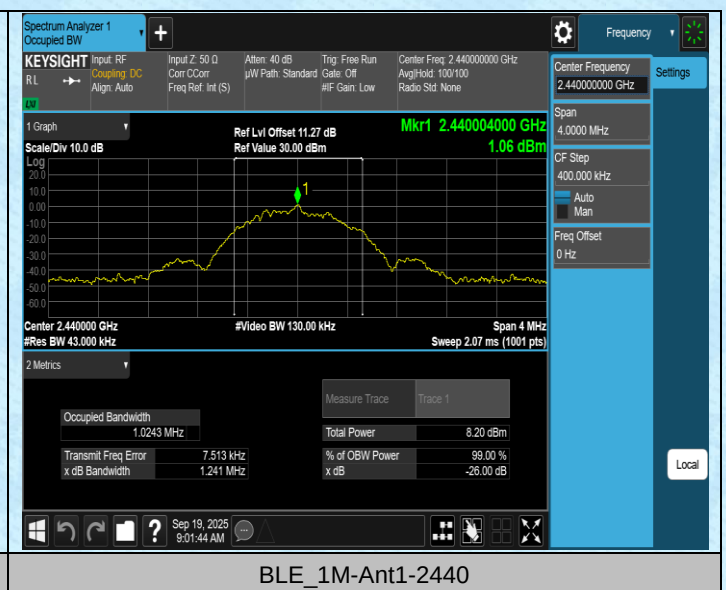
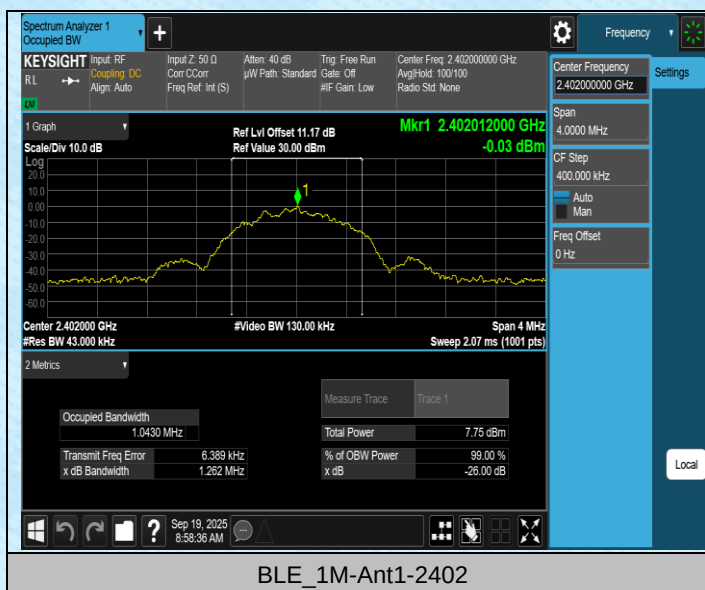


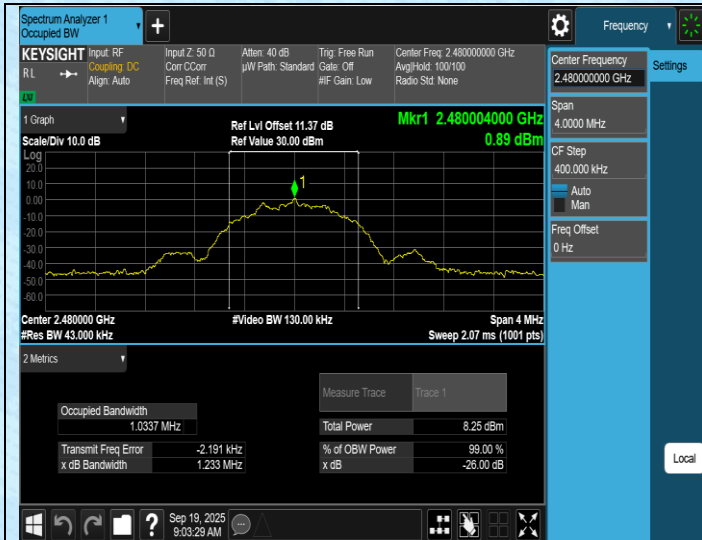
AppendixB: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0430	2401.4849	2402.5279	---	---
BLE_1M	Ant1	2440	1.0243	2439.4954	2440.5197	---	---
BLE_1M	Ant1	2480	1.0337	2479.4810	2480.5147	---	---
BLE_2M	Ant1	2402	2.0288	2401.0045	2403.0333	---	---
BLE_2M	Ant1	2440	2.0558	2438.9946	2441.0504	---	---
BLE_2M	Ant1	2480	2.0690	2478.9910	2481.0600	---	---

Test Graphs

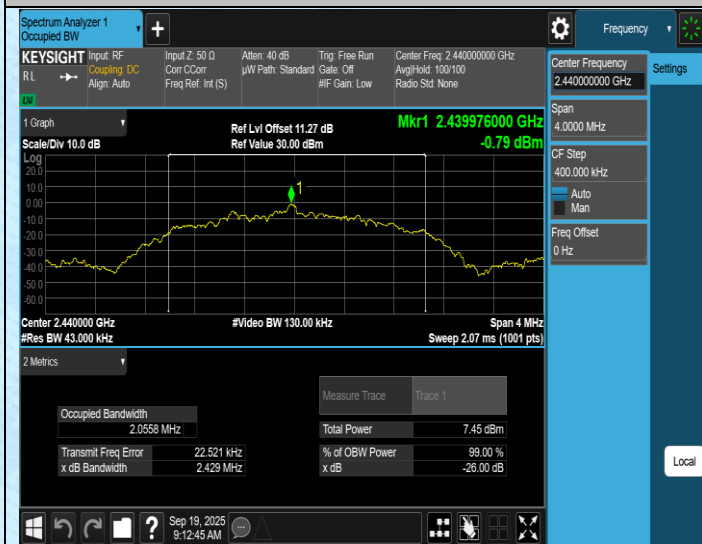




BLE_1M-Ant1-2480



BLE_2M-Ant1-2402



BLE_2M-Ant1-2440



BLE_2M-Ant1-2480

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Gain [dBi]	EIRP[dBm]	EIRP Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.64	≤30	-6.75	-5.11	≤36	PASS
BLE_1M	Ant1	2440	1.70	≤30	-6.75	-5.05	≤36	PASS
BLE_1M	Ant1	2480	2.01	≤30	-6.75	-4.74	≤36	PASS
BLE_2M	Ant1	2402	1.38	≤30	-6.75	-5.37	≤36	PASS
BLE_2M	Ant1	2440	1.94	≤30	-6.75	-4.81	≤36	PASS
BLE_2M	Ant1	2480	2.09	≤30	-6.75	-4.66	≤36	PASS

The figure displays four screenshots of a Keysight Spectrum Analyzer interface, arranged in a 2x2 grid. Each screenshot shows a spectral plot with a yellow curve representing the signal power across a frequency range. The interface includes various control panels and status indicators.

Top Left Screenshot: BLE_1M-Ant1-2402-PASS

- Center Frequency: 2.402000000 GHz
- Span: 6.00000000 MHz
- Ref Lvl Offset: 11.17 dB
- Ref Level: 30.00 dBm
- Mkr1: 2.401 877 00 GHz, 1.64 dBm
- CF Step: 600.000 kHz
- Start Freq: 2.399000000 GHz
- Stop Freq: 2.405000000 GHz
- Center: 2.402000 GHz
- #Res BW 2.0 MHz
- #Video BW 6.0 MHz
- Sweep 1.07 ms (8001 pts)

Top Right Screenshot: BLE_1M-Ant1-2440-PASS

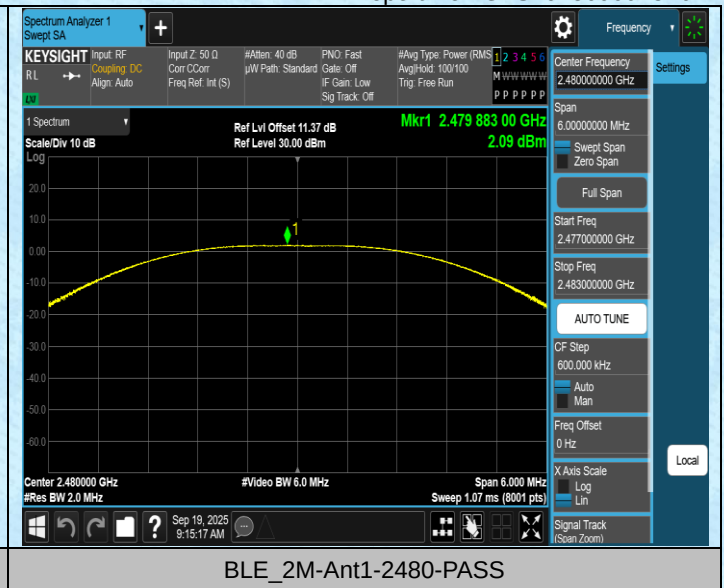
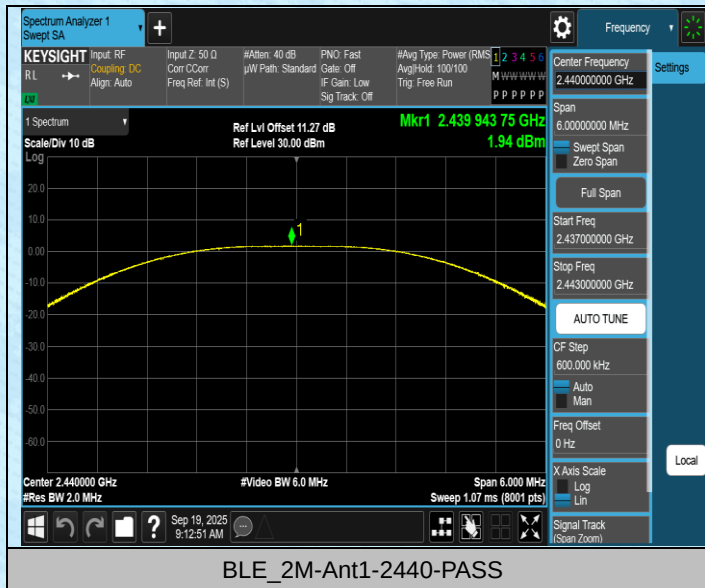
- Center Frequency: 2.440000000 GHz
- Span: 6.00000000 MHz
- Ref Lvl Offset: 11.27 dB
- Ref Level: 30.00 dBm
- Mkr1: 2.439 937 75 GHz, 1.70 dBm
- CF Step: 600.000 kHz
- Start Freq: 2.437000000 GHz
- Stop Freq: 2.443000000 GHz
- Center: 2.440000 GHz
- #Res BW 2.0 MHz
- #Video BW 6.0 MHz
- Sweep 1.07 ms (8001 pts)

Bottom Left Screenshot: BLE_1M-Ant1-2480-PASS

- Center Frequency: 2.480000000 GHz
- Span: 6.00000000 MHz
- Ref Lvl Offset: 11.37 dB
- Ref Level: 30.00 dBm
- Mkr1: 2.479 861 25 GHz, 2.01 dBm
- CF Step: 600.000 kHz
- Start Freq: 2.477000000 GHz
- Stop Freq: 2.483000000 GHz
- Center: 2.480000 GHz
- #Res BW 2.0 MHz
- #Video BW 6.0 MHz
- Sweep 1.07 ms (8001 pts)

Bottom Right Screenshot: BLE_2M-Ant1-2402-PASS

- Center Frequency: 2.402000000 GHz
- Span: 6.00000000 MHz
- Ref Lvl Offset: 11.17 dB
- Ref Level: 30.00 dBm
- Mkr1: 2.401 932 50 GHz, 1.38 dBm
- CF Step: 600.000 kHz
- Start Freq: 2.399000000 GHz
- Stop Freq: 2.405000000 GHz
- Center: 2.402000 GHz
- #Res BW 2.0 MHz
- #Video BW 6.0 MHz
- Sweep 1.07 ms (8001 pts)

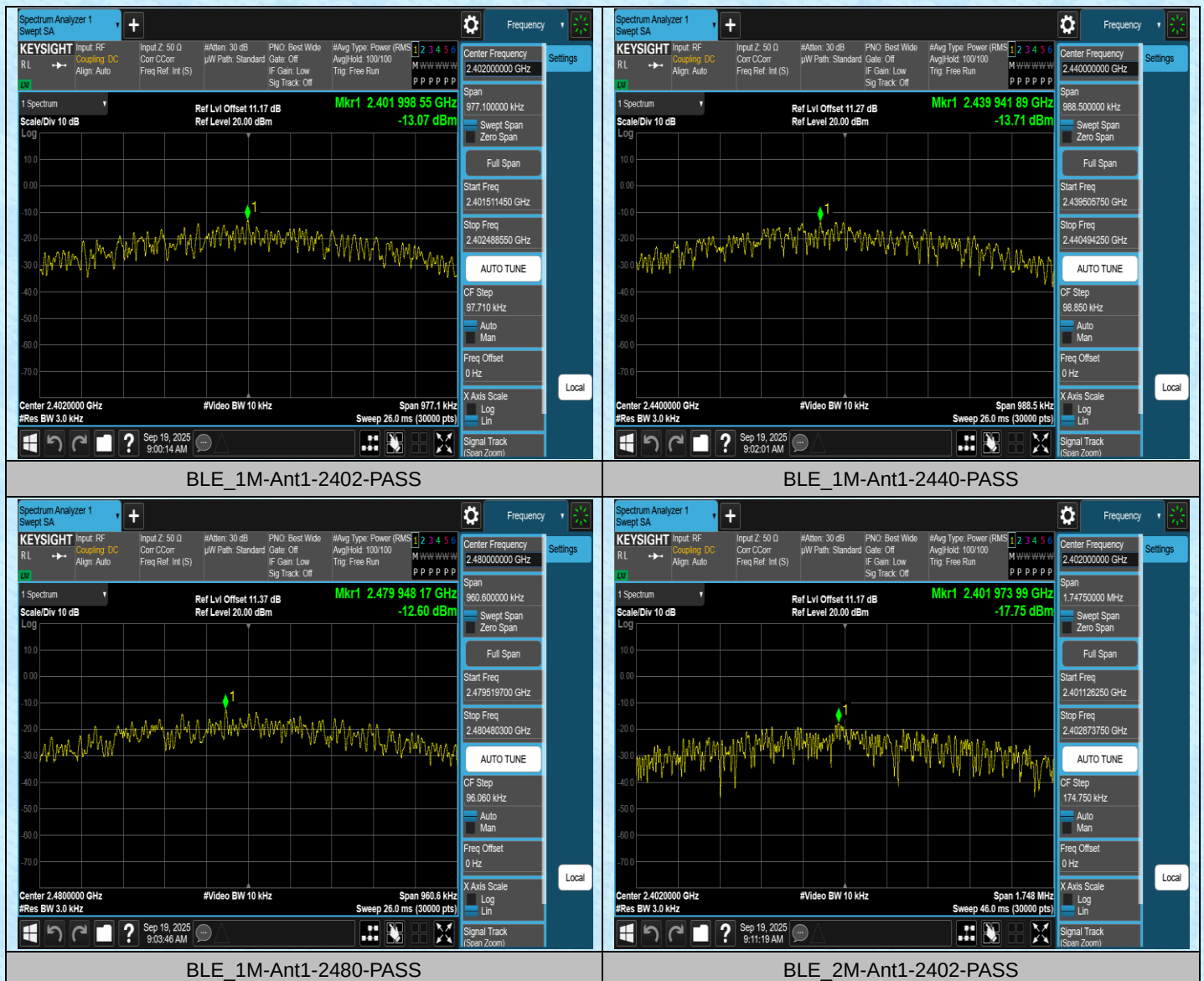


AppendixD: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.07	≤8.00	PASS
BLE_1M	Ant1	2440	-13.71	≤8.00	PASS
BLE_1M	Ant1	2480	-12.60	≤8.00	PASS
BLE_2M	Ant1	2402	-17.76	≤8.00	PASS
BLE_2M	Ant1	2440	-15.76	≤8.00	PASS
BLE_2M	Ant1	2480	-15.84	≤8.00	PASS

Test Graphs



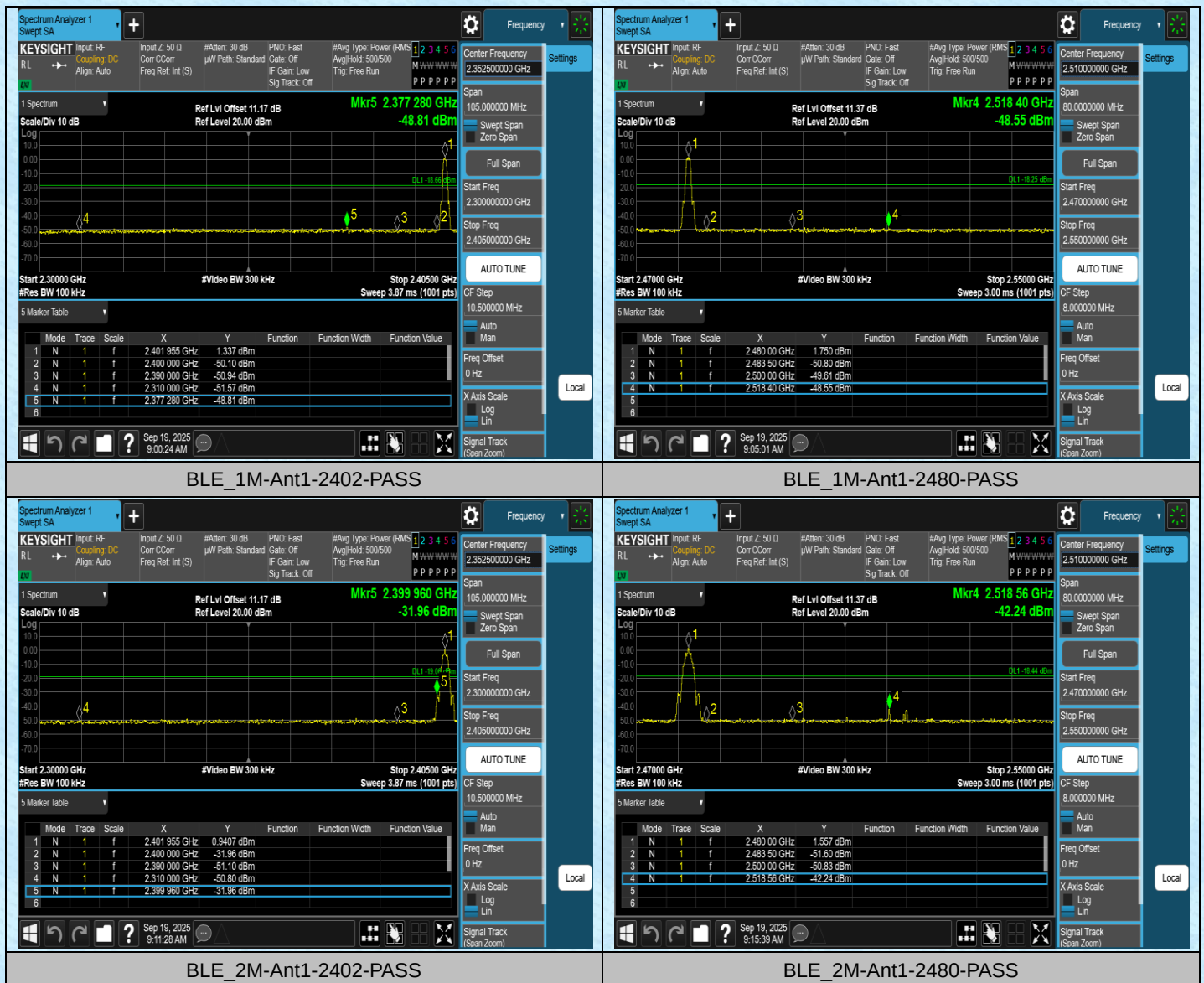


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.34	-48.81	≤-18.66	PASS
BLE_1M	Ant1	High	2480	1.75	-48.55	≤-18.25	PASS
BLE_2M	Ant1	Low	2402	0.94	-31.96	≤-19.06	PASS
BLE_2M	Ant1	High	2480	1.56	-42.24	≤-18.44	PASS

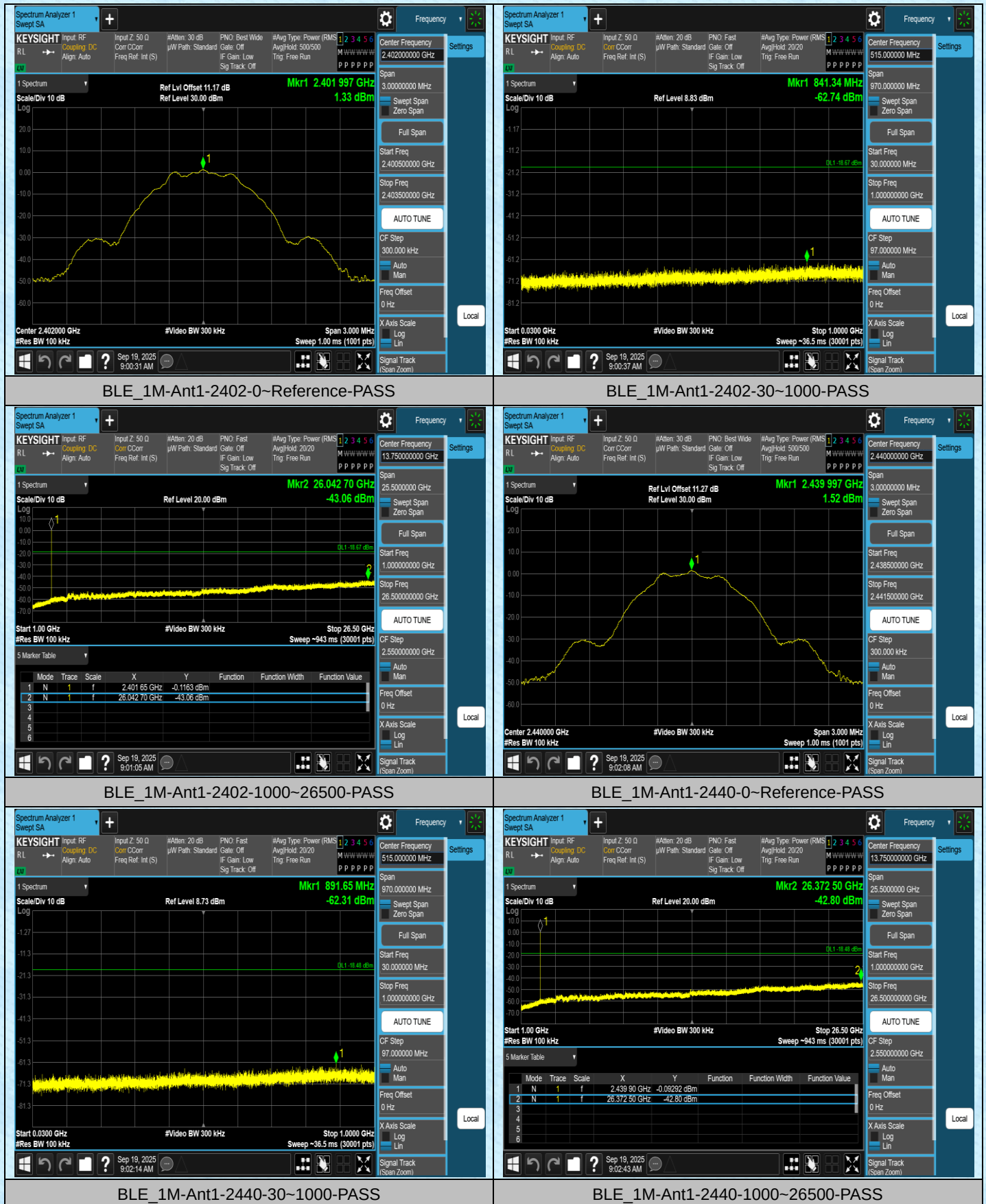
Test Graphs



AppendixF:Conducted Spurious Emission**Test Result**

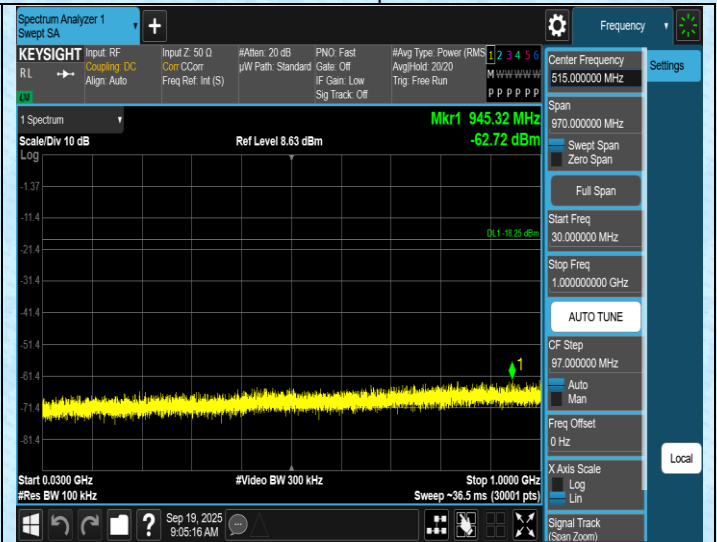
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	1.33	1.33	---	PASS
BLE_1M	Ant1	2402	30~1000	1.33	-62.74	≤-18.67	PASS
BLE_1M	Ant1	2402	1000~26500	1.33	-43.06	≤-18.67	PASS
BLE_1M	Ant1	2440	0~Reference	1.52	1.52	---	PASS
BLE_1M	Ant1	2440	30~1000	1.52	-62.31	≤-18.48	PASS
BLE_1M	Ant1	2440	1000~26500	1.52	-42.81	≤-18.48	PASS
BLE_1M	Ant1	2480	0~Reference	1.75	1.75	---	PASS
BLE_1M	Ant1	2480	30~1000	1.75	-62.72	≤-18.25	PASS
BLE_1M	Ant1	2480	1000~26500	1.75	-43.16	≤-18.25	PASS
BLE_2M	Ant1	2402	0~Reference	0.95	0.95	---	PASS
BLE_2M	Ant1	2402	30~1000	0.95	-62.28	≤-19.05	PASS
BLE_2M	Ant1	2402	1000~26500	0.95	-43.05	≤-19.05	PASS
BLE_2M	Ant1	2440	0~Reference	1.55	1.55	---	PASS
BLE_2M	Ant1	2440	30~1000	1.55	-62.43	≤-18.45	PASS
BLE_2M	Ant1	2440	1000~26500	1.55	-42.54	≤-18.45	PASS

Test Graphs





BLE_1M-Ant1-2480-0~Reference-PASS



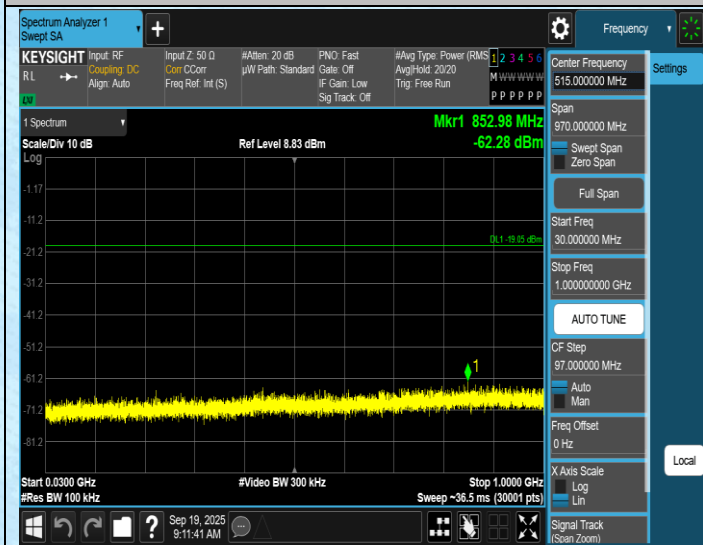
BLE_1M-Ant1-2480-30~1000-PASS



BLE_1M-Ant1-2480-1000~26500-PASS



BLE_2M-Ant1-2402-0~Reference-PASS



BLE_2M-Ant1-2402-30~1000-PASS



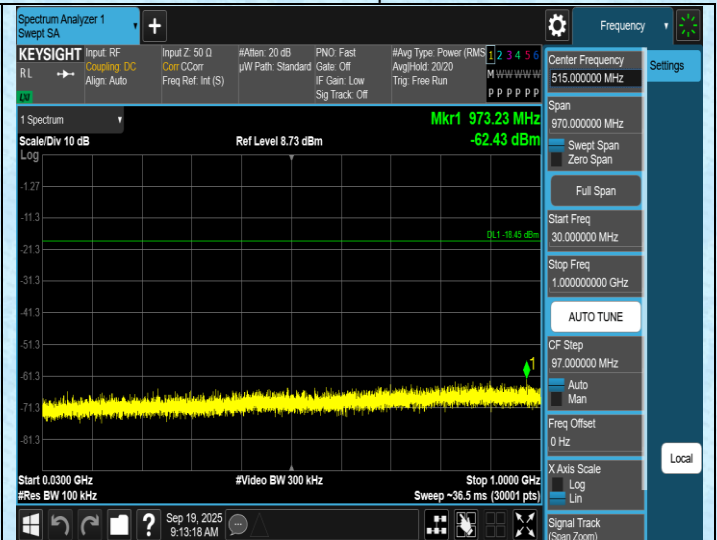
BLE_2M-Ant1-2402-1000~26500-PASS



BLE_2M-Ant1-2440-0~Reference-PASS



BLE_2M-Ant1-2440-1000~26500-PASS



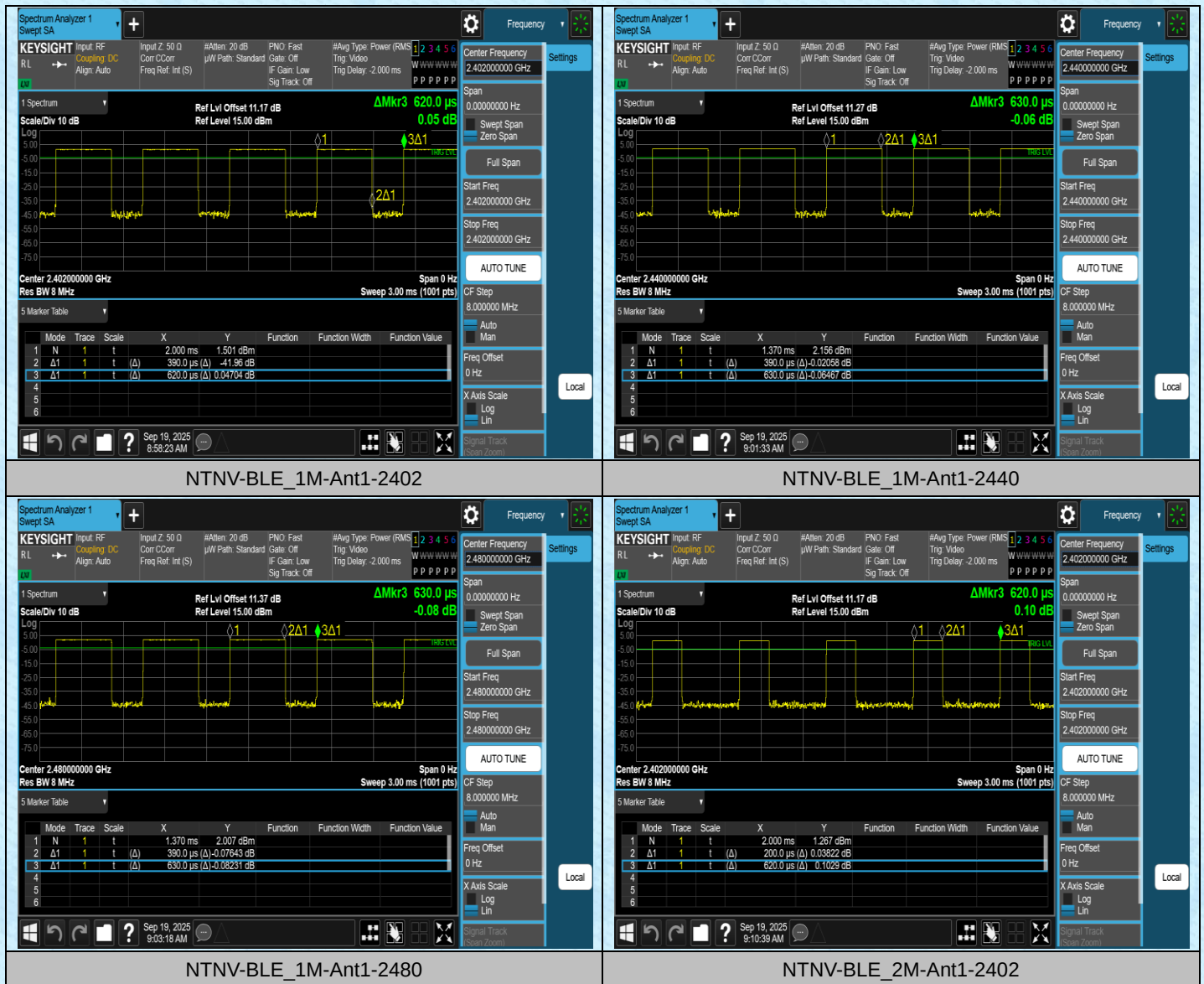
BLE_2M-Ant1-2440-30~1000-PASS

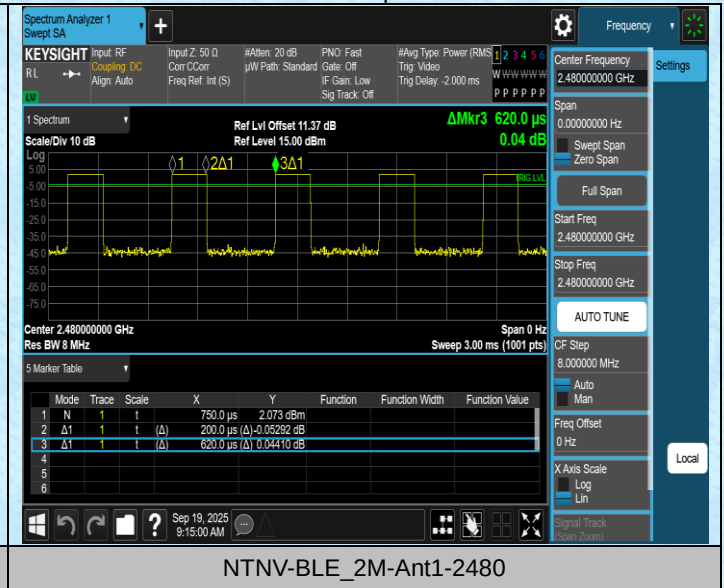
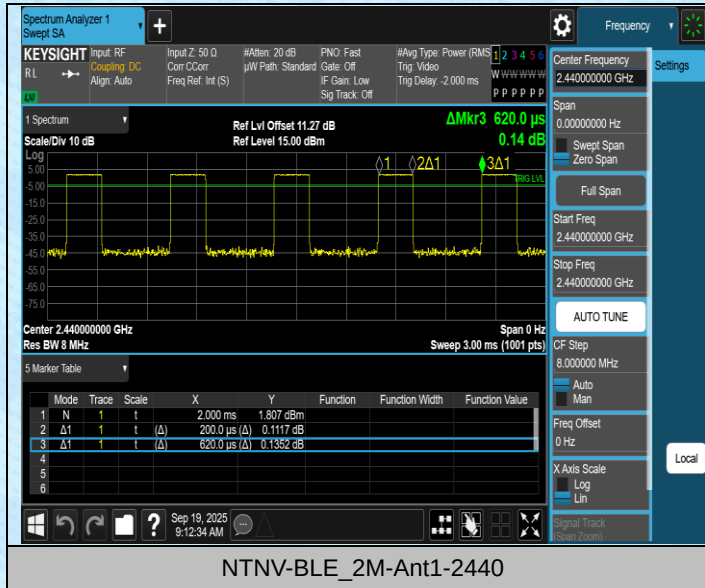
AppendixG: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.39	0.62	62.90	2.01
BLE_1M	Ant1	2440	0.39	0.63	61.90	2.08
BLE_1M	Ant1	2480	0.39	0.63	61.90	2.08
BLE_2M	Ant1	2402	0.20	0.62	32.26	4.91
BLE_2M	Ant1	2440	0.20	0.62	32.26	4.91
BLE_2M	Ant1	2480	0.20	0.62	32.26	4.91

Test Graphs





-----End-----