Appendix Test Data

Report No.:	1812C50623512501-01	Test Sample No.:	1-2-2
Start Test Date:	2026-1-5	Finish Test Date:	2026-1-9
Test Engineer:	Alex Reng	Auditor:	Justin Feng
Temperature:	21.8℃	Relative Humidity:	31%
Pressure:	101kPa		

Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.712	2401.648	2402.360	0.5	PASS
BLE_1M	Ant1	2440	0.728	2439.636	2440.364	0.5	PASS
BLE_1M	Ant1	2480	0.696	2479.664	2480.360	0.5	PASS

Test Graphs

BLE_1M-Ant1-2402-PASS

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BLE_1M-Ant1-2440-PASS

BLE_1M-Ant1-2480-PASS

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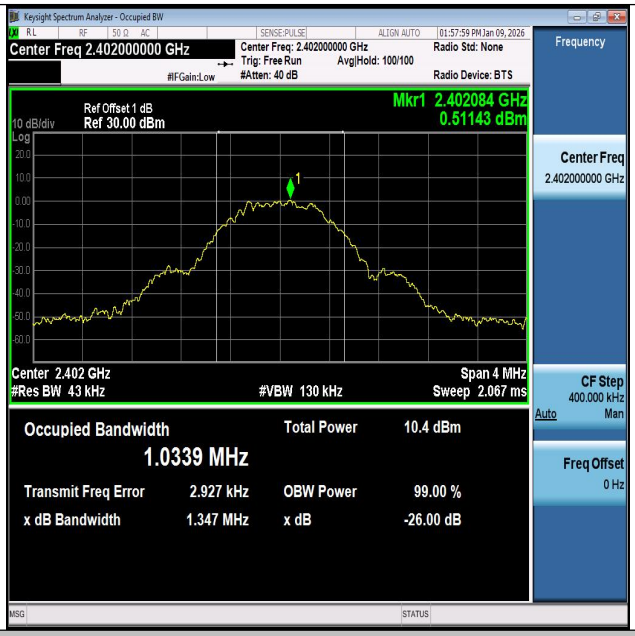
Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0339	2401.4860	2402.5199	---	---
BLE_1M	Ant1	2440	1.0385	2439.4852	2440.5237	---	---
BLE_1M	Ant1	2480	1.0425	2479.4802	2480.5227	---	---

Test Graphs



BLE_1M-Ant1-2402

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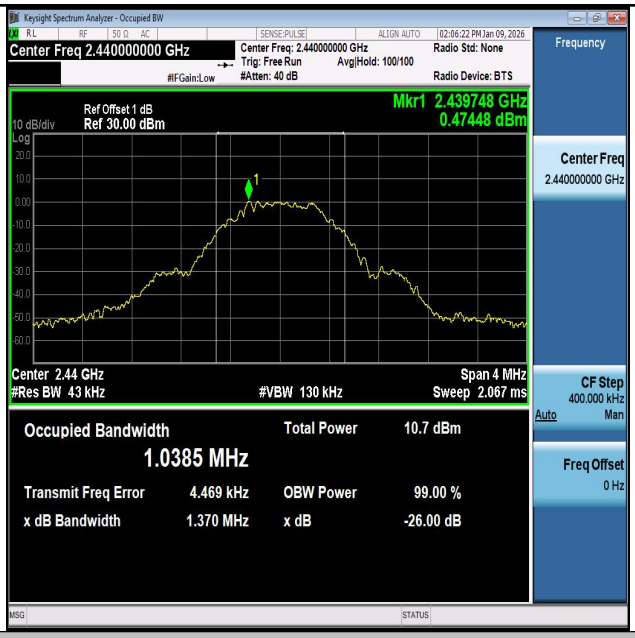
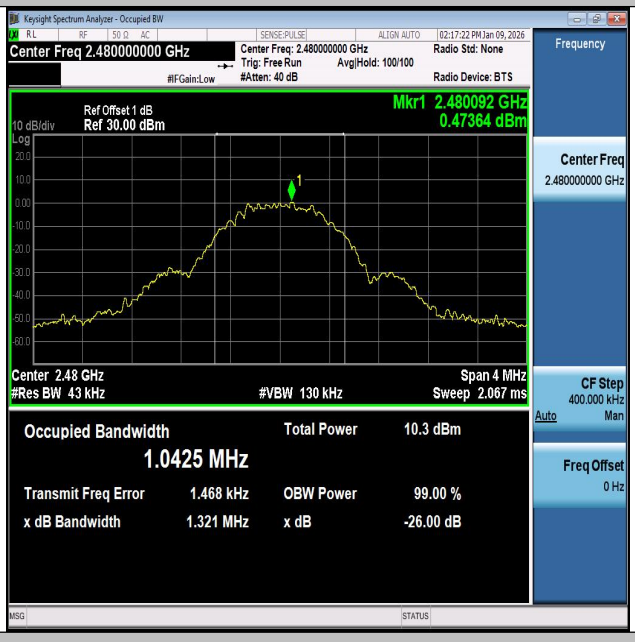


BLE_1M-Ant1-2440



BLE_1M-Ant1-2480

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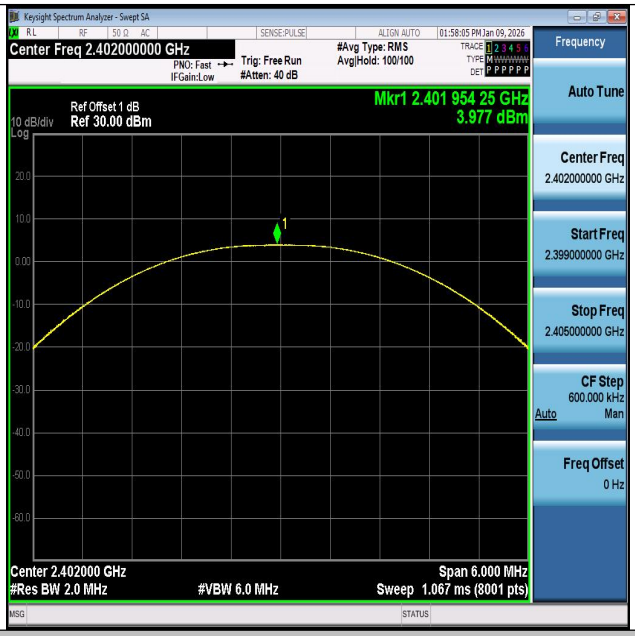
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	3.98	≤30	PASS
BLE_1M	Ant1	2440	**4.51**	≤30	PASS
BLE_1M	Ant1	2480	4.01	≤30	PASS

Test Graphs Peak



BLE_1M-Ant1-2402-PASS

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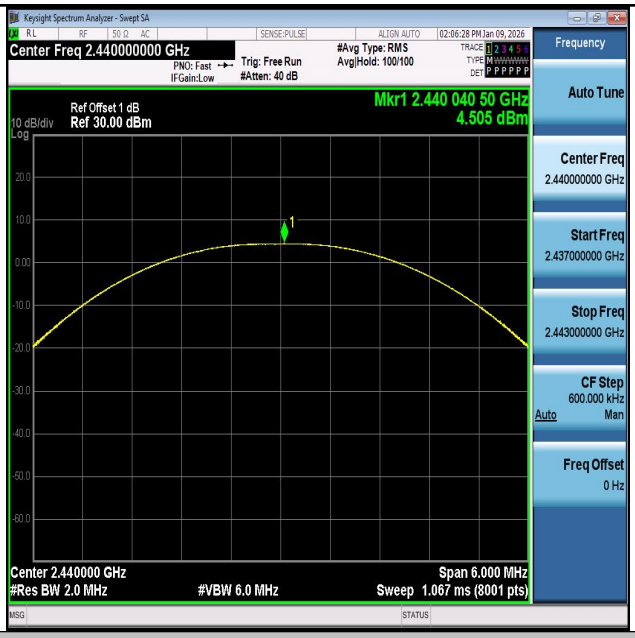
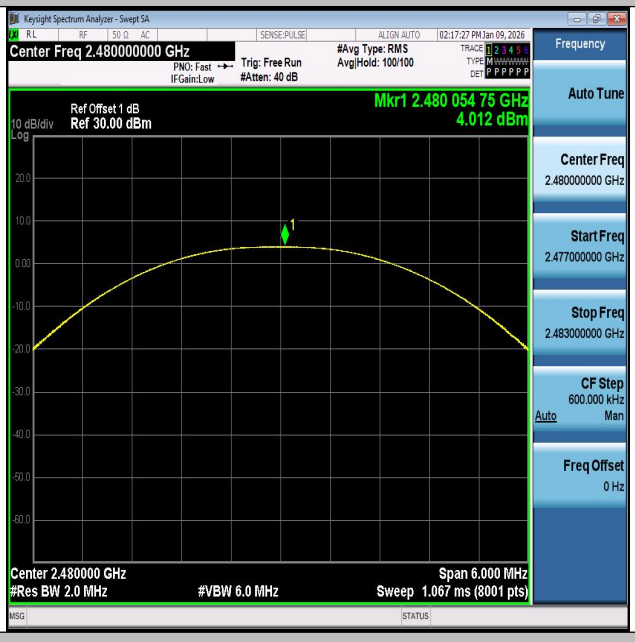


BLE_1M-Ant1-2440-PASS



BLE_1M-Ant1-2480-PASS

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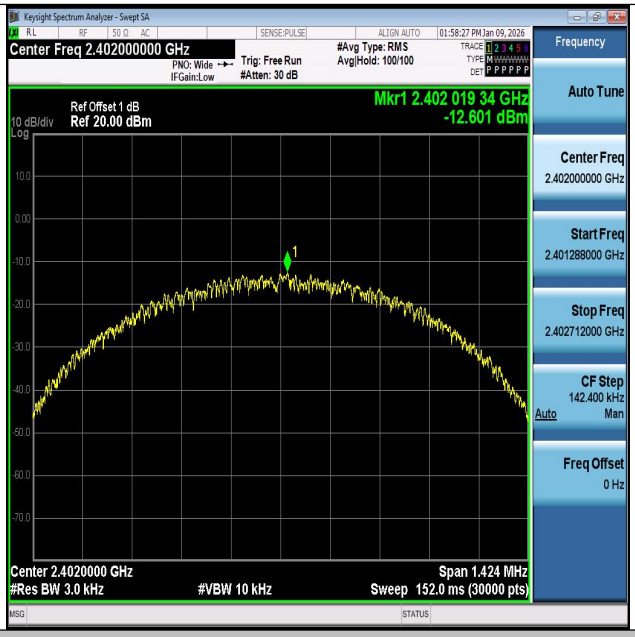
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.60	≤8.00	PASS
BLE_1M	Ant1	2440	-12.14	≤8.00	PASS
BLE_1M	Ant1	2480	-12.58	≤8.00	PASS

Test Graphs



BLE_1M-Ant1-2402-PASS

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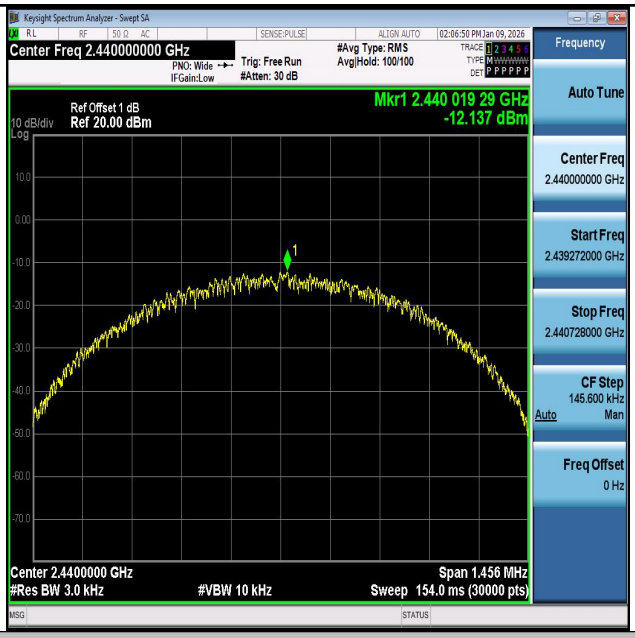
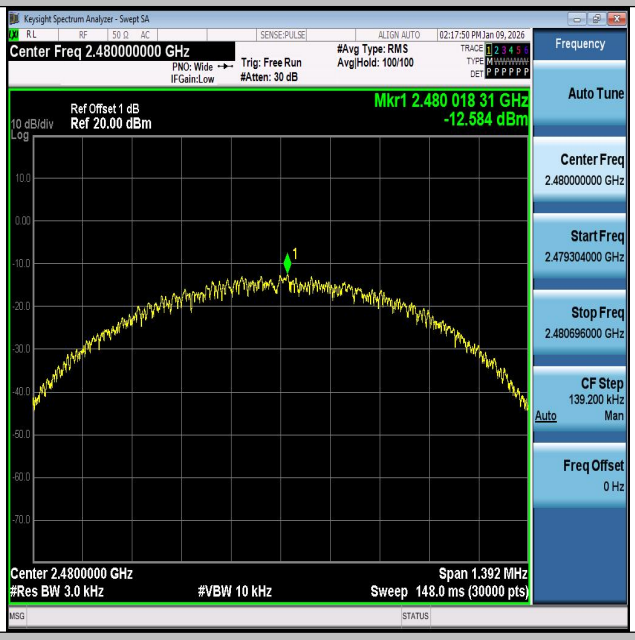


BLE_1M-Ant1-2440-PASS



BLE_1M-Ant1-2480-PASS

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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	2.91	-52.63	≤-17.09	PASS
BLE_1M	Ant1	High	2480	2.86	-56.34	≤-17.14	PASS

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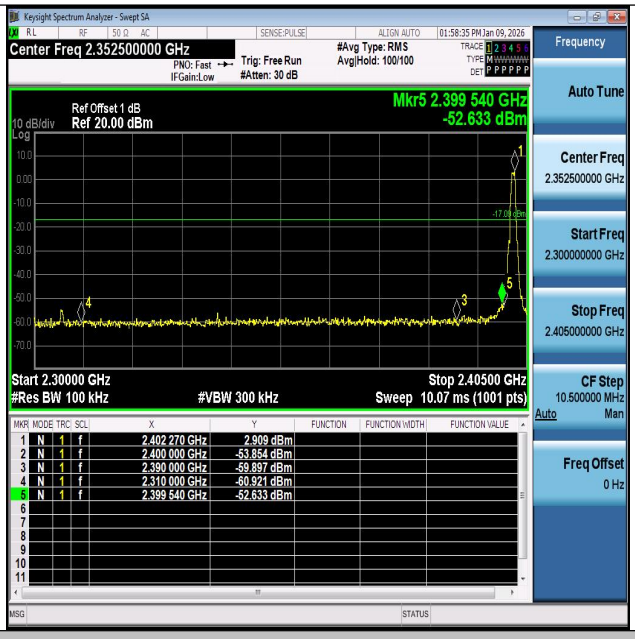
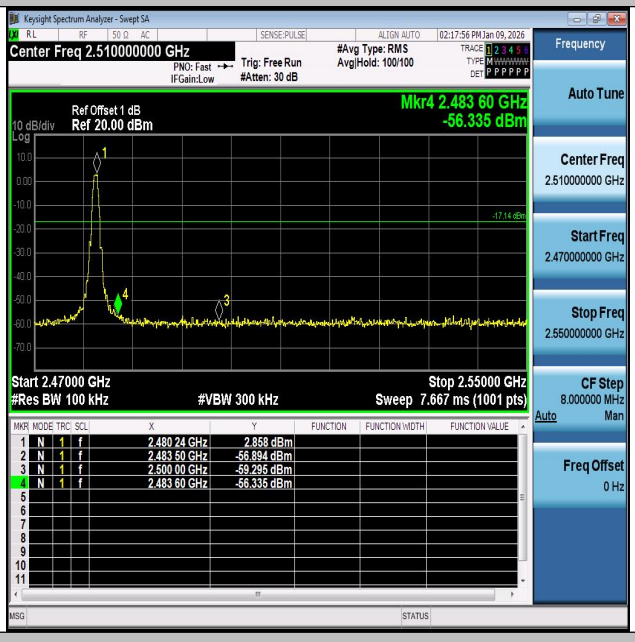
Test Graphs



BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2480-PASS

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Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	2.71	2.71	---	PASS
BLE_1M	Ant1	2402	30~1000	2.71	-68.87	≤-17.29	PASS
BLE_1M	Ant1	2402	1000~26500	2.71	-32.06	≤-17.29	PASS
BLE_1M	Ant1	2440	0~Reference	3.21	3.21	---	PASS
BLE_1M	Ant1	2440	30~1000	3.21	-69	≤-16.79	PASS
BLE_1M	Ant1	2440	1000~26500	3.21	-32.49	≤-16.79	PASS
BLE_1M	Ant1	2480	0~Reference	2.71	2.71	---	PASS
BLE_1M	Ant1	2480	30~1000	2.71	-68.62	≤-17.29	PASS
BLE_1M	Ant1	2480	1000~26500	2.71	-32.41	≤-17.29	PASS

Remark:Regarding the spurious emissions from 30MHz to 26.5GHz, the cable loss have been set in the 'Input Correction' of the Spectrum Analyzer during the test.

Test Graphs

BLE_1M-Ant1-2402-0~Reference-PASS

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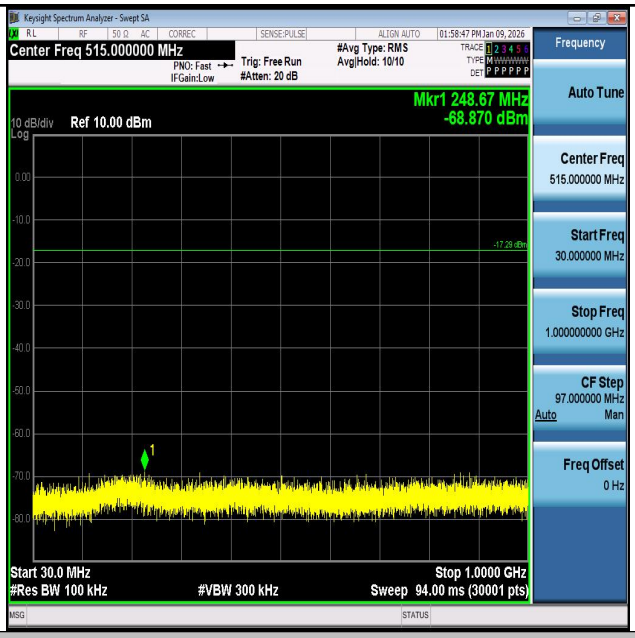
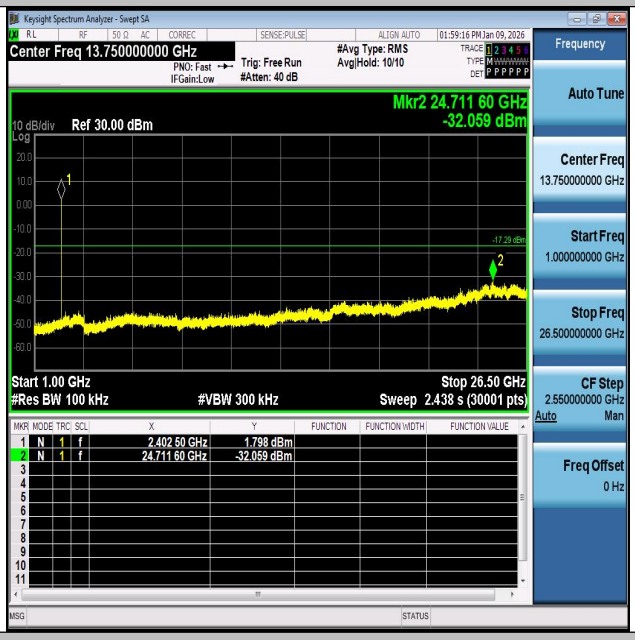


BLE_1M-Ant1-2402-30~1000-PASS



BLE_1M-Ant1-2402-1000~26500-PASS

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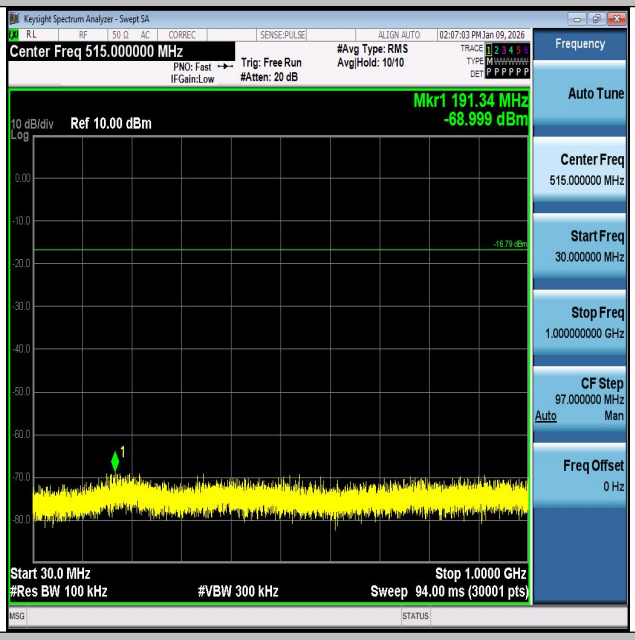
BLE_1M-Ant1-2440-0~Reference-PASS



BLE_1M-Ant1-2440-30~1000-PASS

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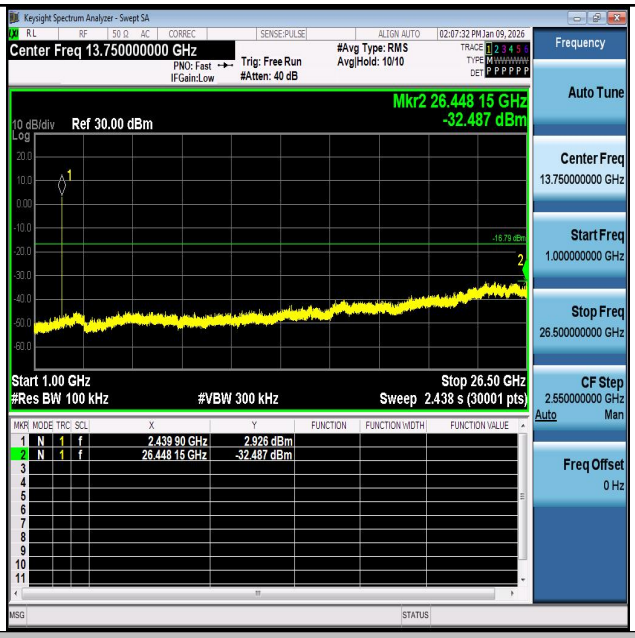

BLE_1M-Ant1-2440-1000~26500-PASS

BLE_1M-Ant1-2480-0~Reference-PASS

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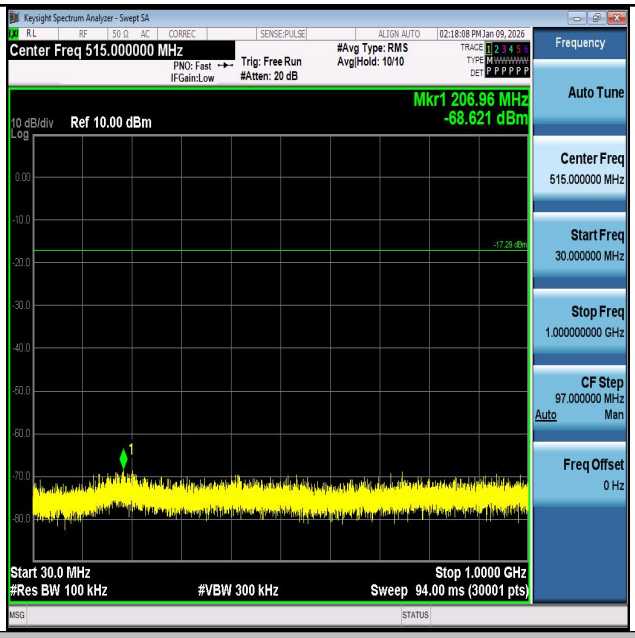
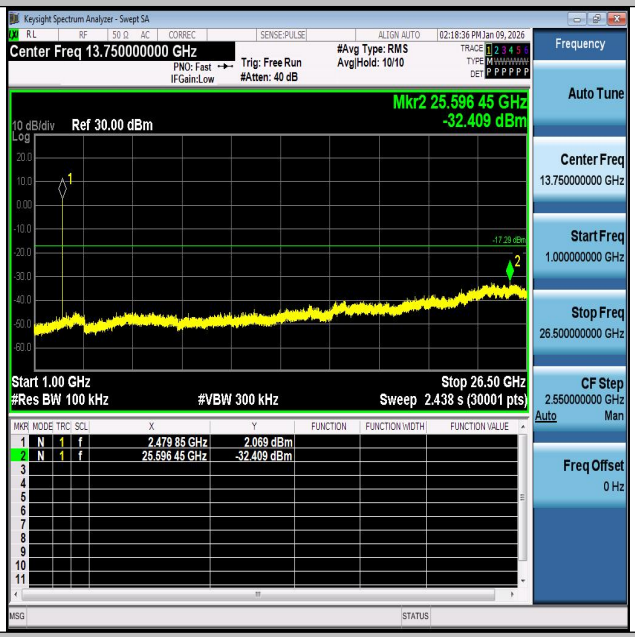


BLE_1M-Ant1-2480-30~1000-PASS



BLE_1M-Ant1-2480-1000~26500-PASS

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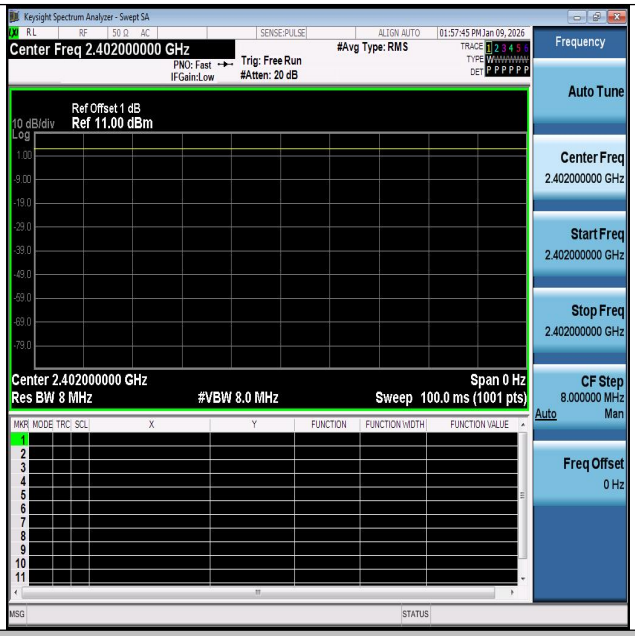
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	100.00	100.00	100.00	0.00
BLE_1M	Ant1	2440	100.00	100.00	100.00	0.00
BLE_1M	Ant1	2480	100.00	100.00	100.00	0.00

Test Graphs



NTNV-BLE_1M-Ant1-2402

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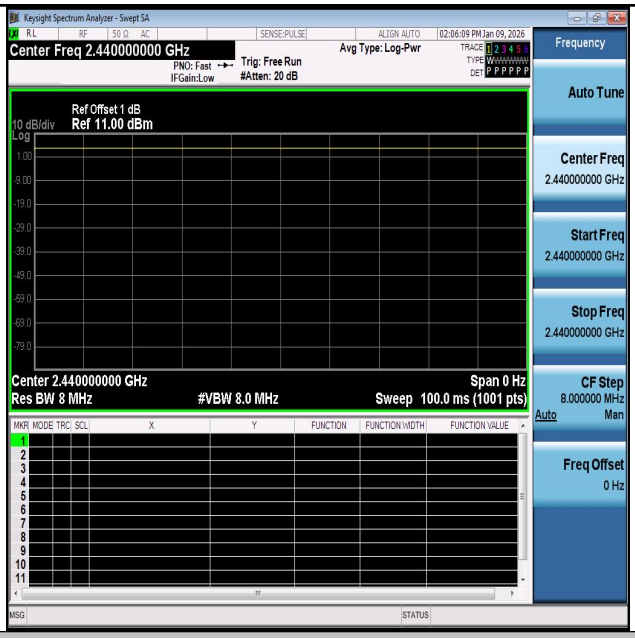
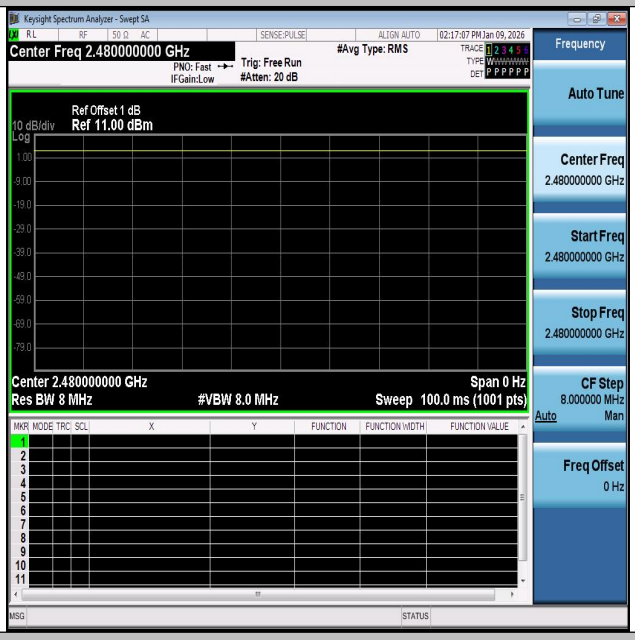


NTNV-BLE_1M-Ant1-2440



NTNV-BLE_1M-Ant1-2480

---End---

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