Appendix Test Data

Report No.:	1812C60257212501-01	Test Sample No.:	1-2-2
Start Test Date:	2026-5-9	Finish Test Date:	2026-5-14
Test Engineer:	Hulsen Guan	Auditor:	Justin Feng
Temperature:	25.5℃	Relative Humidity:	57%
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	0.700	2401.676	2402.376	0.5	PASS
BLE_1M	Ant1	2440	0.640	2439.692	2440.332	0.5	PASS
BLE_1M	Ant1	2480	0.636	2479.696	2480.332	0.5	PASS

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Test Graphs

BLE_1M-Ant1-2402-PASS

BLE_1M-Ant1-2440-PASS

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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	1.0283	2401.5069	2402.5352	---	---
BLE_1M	Ant1	2440	1.0261	2439.5062	2440.5323	---	---
BLE_1M	Ant1	2480	1.0251	2479.5031	2480.5282	---	---

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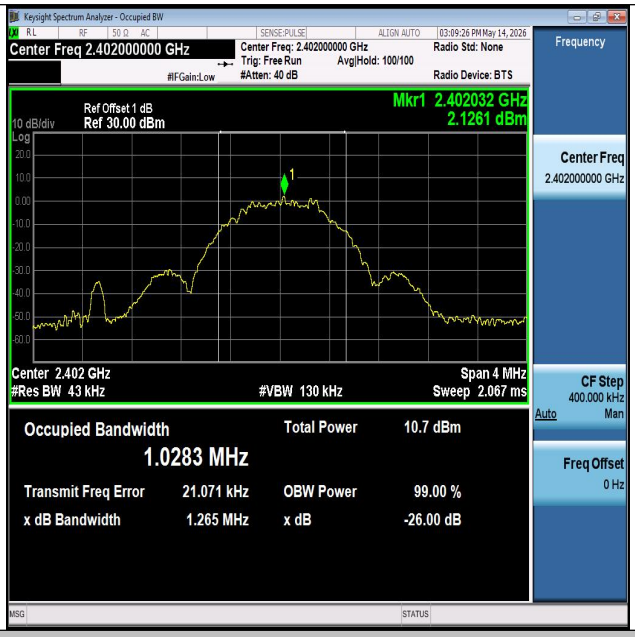
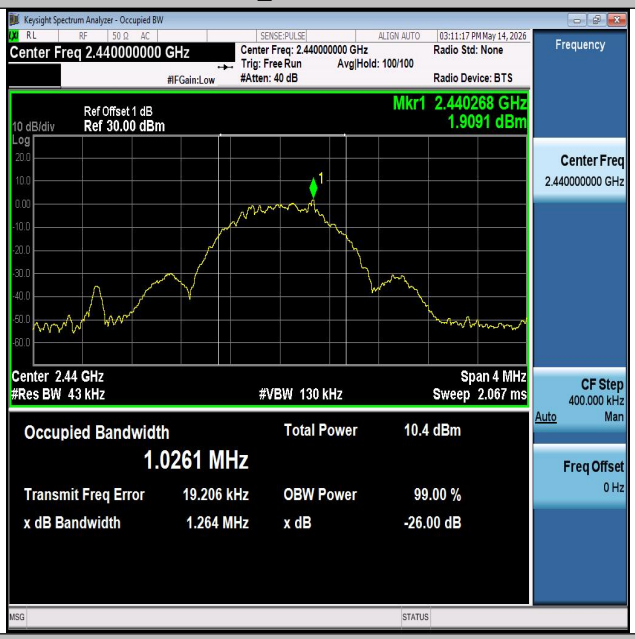
Test Graphs



BLE_1M-Ant1-2402



BLE_1M-Ant1-2440

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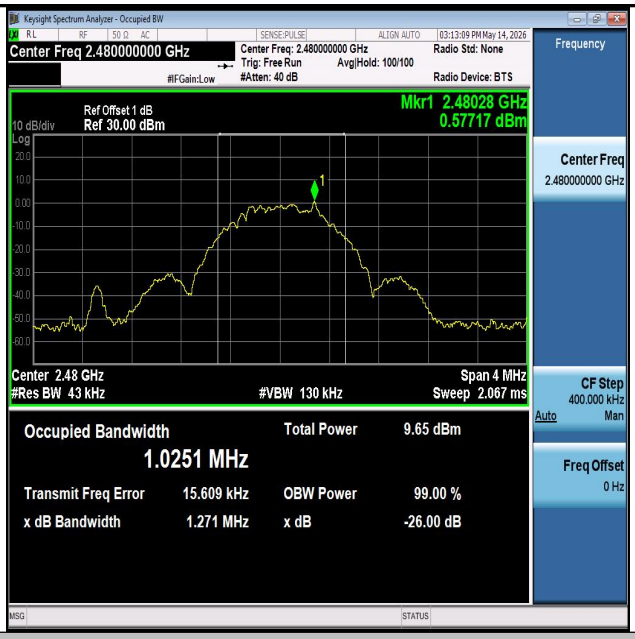

BLE_1M-Ant1-2480

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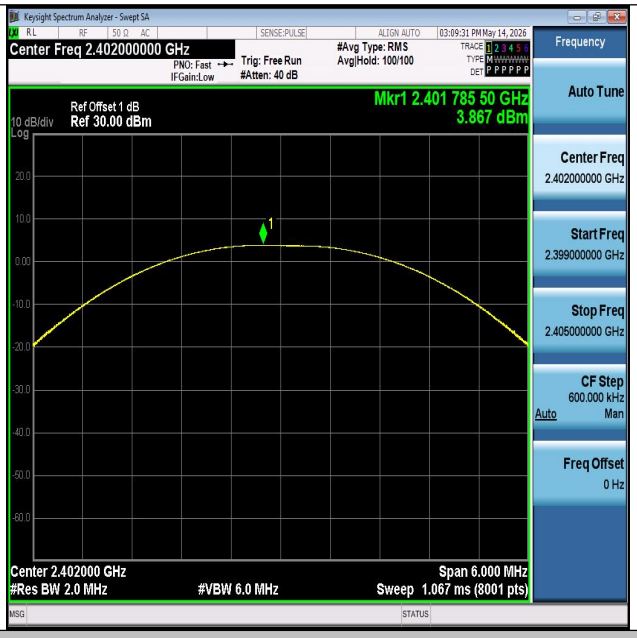
Appendix C: Maximum conducted output power

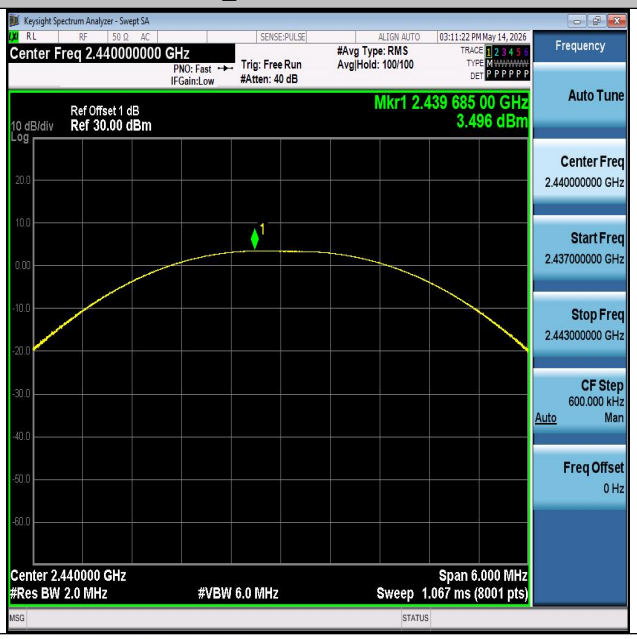
Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	**3.87**	≤30	PASS
BLE_1M	Ant1	2440	3.50	≤30	PASS
BLE_1M	Ant1	2480	2.77	≤30	PASS

Test Graphs Peak



BLE_1M-Ant1-2402-PASS



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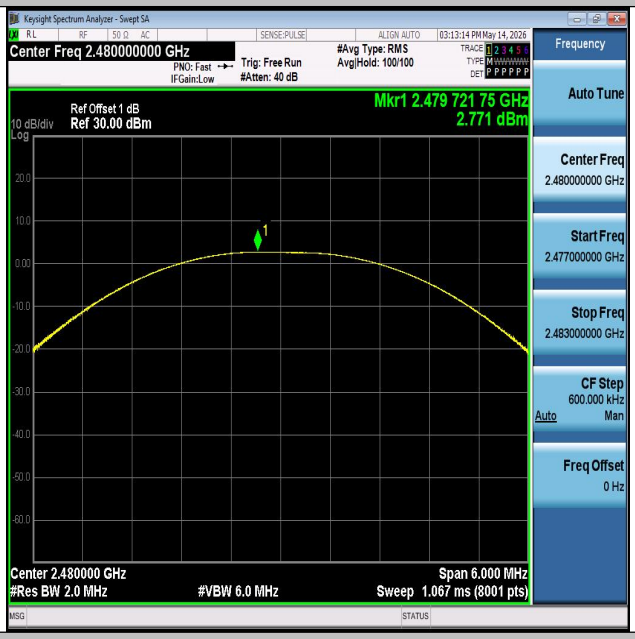
BLE_1M-Ant1-2440-PASS



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	-12.28	≤8.00	PASS
BLE_1M	Ant1	2440	-12.63	≤8.00	PASS
BLE_1M	Ant1	2480	-13.28	≤8.00	PASS

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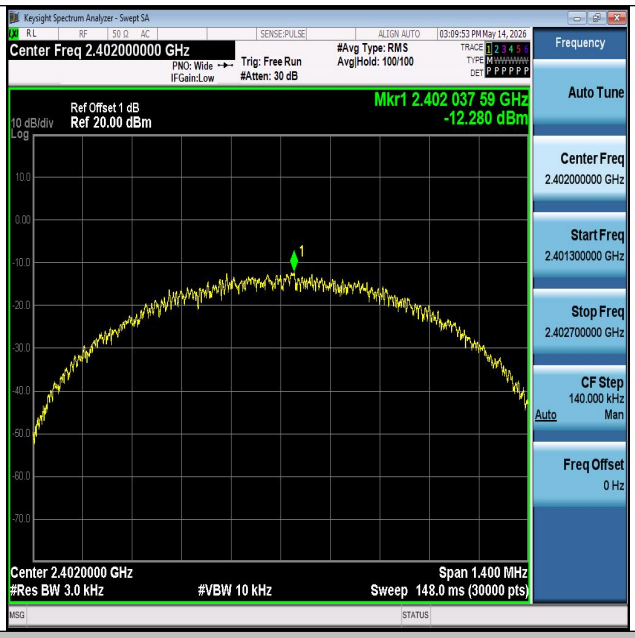
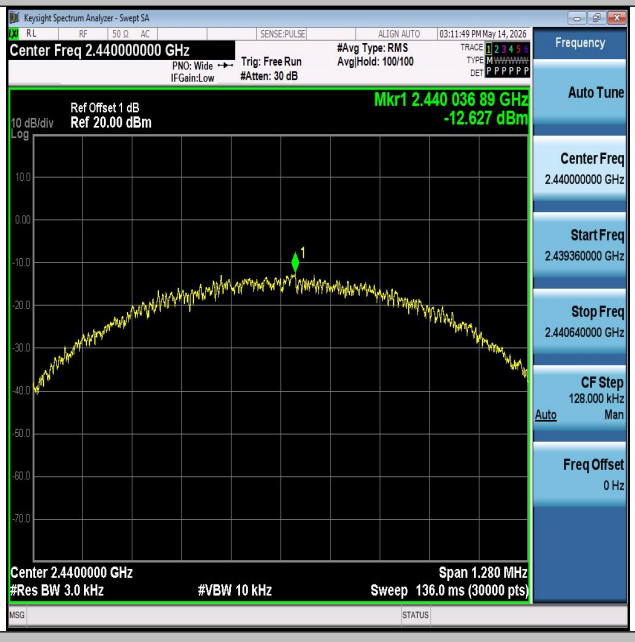
Test Graphs



BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2440-PASS

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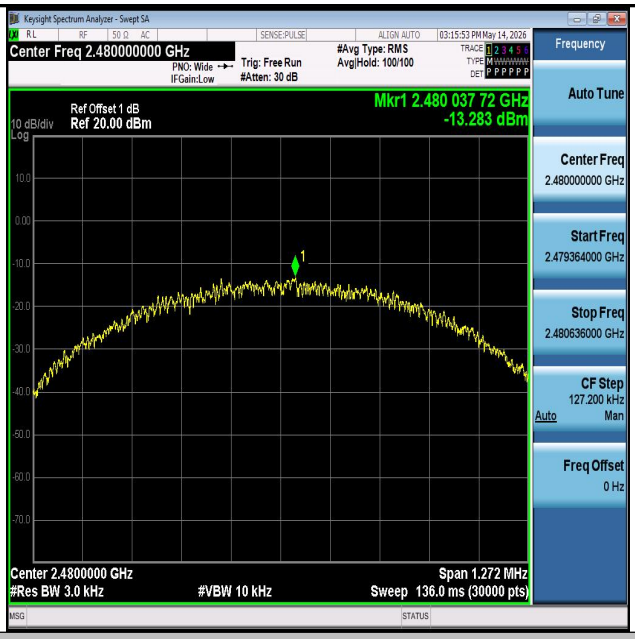

BLE_1M-Ant1-2480-PASS

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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	3.71	-39.12	≤-16.29	PASS
BLE_1M	Ant1	High	2480	2.24	-44.3	≤-17.76	PASS

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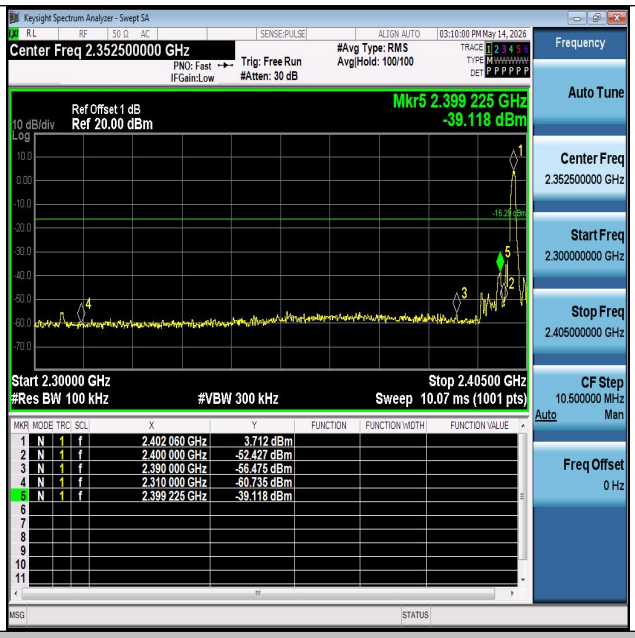
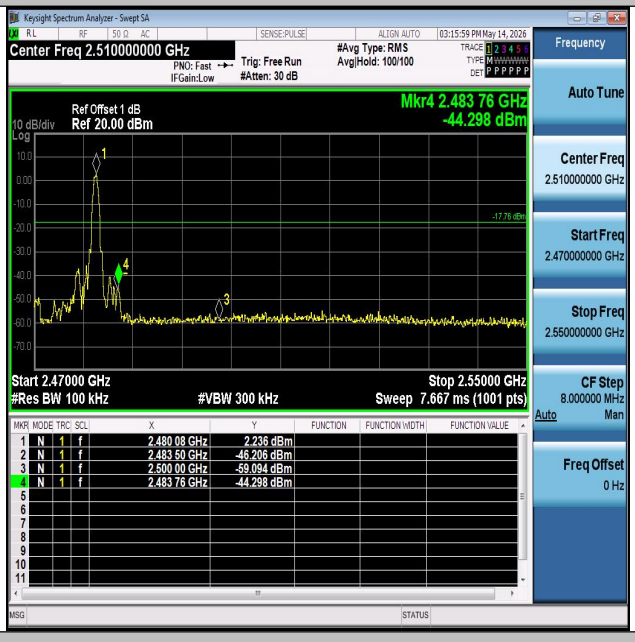
Test Graphs



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	3.08	3.08	---	PASS
BLE_1M	Ant1	2402	30~1000	3.08	-68.66	≤-16.92	PASS
BLE_1M	Ant1	2402	1000~26500	3.08	-35.36	≤-16.92	PASS
BLE_1M	Ant1	2440	0~Reference	2.86	2.86	---	PASS
BLE_1M	Ant1	2440	30~1000	2.86	-68.47	≤-17.14	PASS
BLE_1M	Ant1	2440	1000~26500	2.86	-34.73	≤-17.14	PASS
BLE_1M	Ant1	2480	0~Reference	2.56	2.56	---	PASS
BLE_1M	Ant1	2480	30~1000	2.56	-68.03	≤-17.44	PASS
BLE_1M	Ant1	2480	1000~26500	2.56	-35.57	≤-17.44	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.

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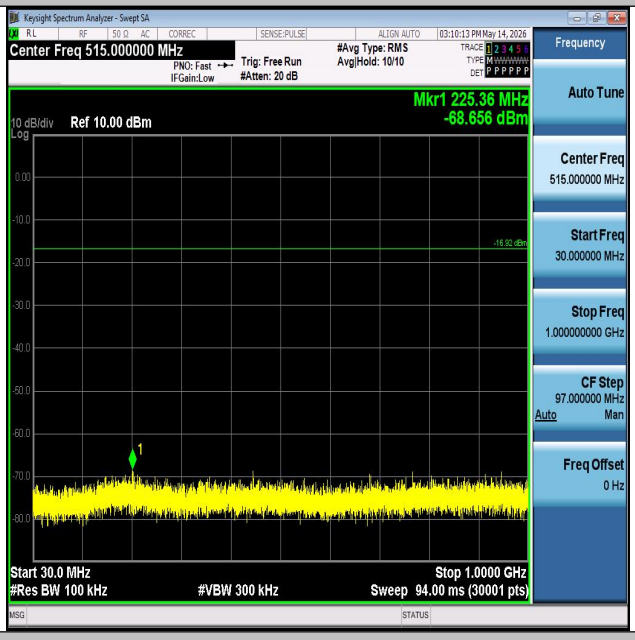
Test Graphs

BLE_1M-Ant1-2402-0~Reference-PASS



BLE_1M-Ant1-2402-30~1000-PASS

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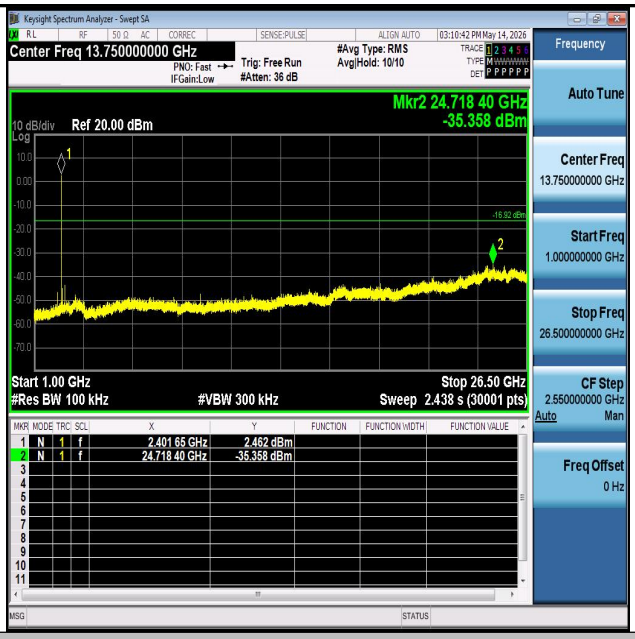

BLE_1M-Ant1-2402-1000~26500-PASS

BLE_1M-Ant1-2440-0~Reference-PASS

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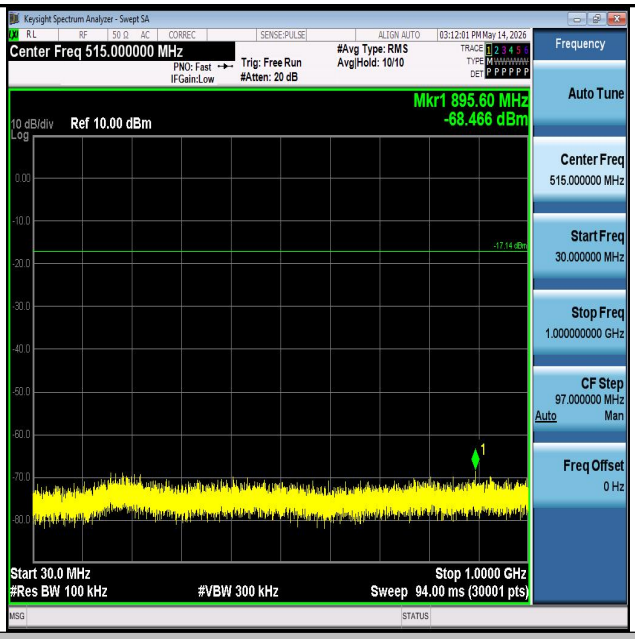
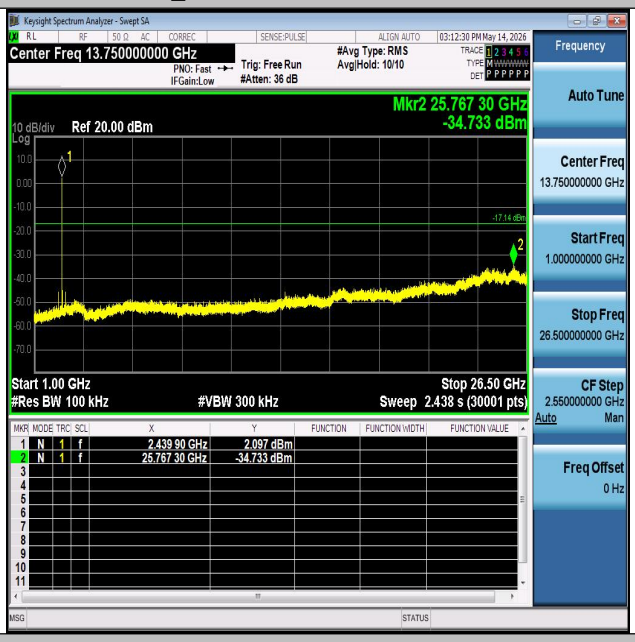


BLE_1M-Ant1-2440-30~1000-PASS



BLE_1M-Ant1-2440-1000~26500-PASS

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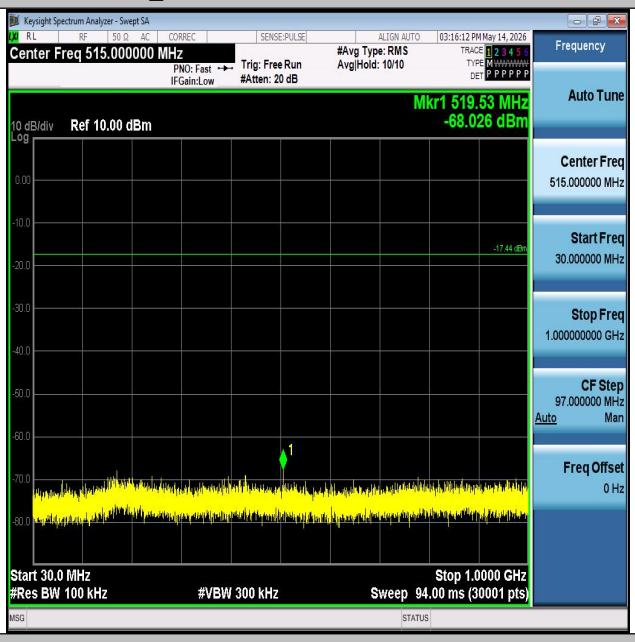
BLE_1M-Ant1-2480-0~Reference-PASS



BLE_1M-Ant1-2480-30~1000-PASS

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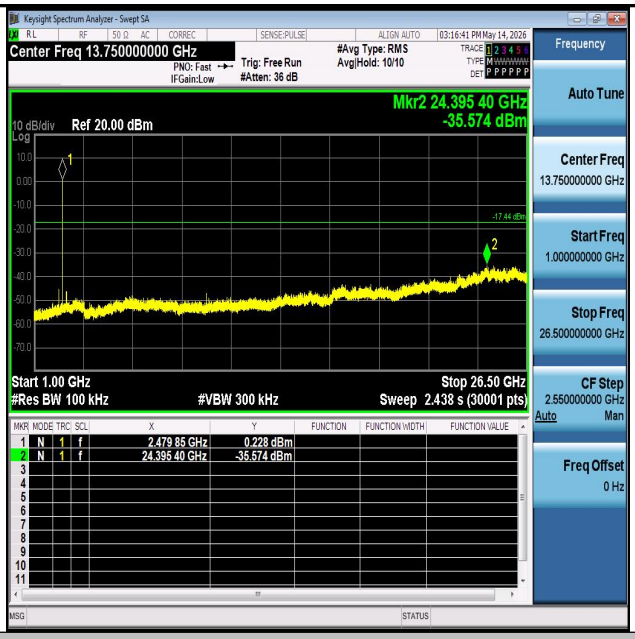

BLE_1M-Ant1-2480-1000~26500-PASS

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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	2.13	2.50	85.20	0.70
BLE_1M	Ant1	2440	2.13	2.50	85.20	0.70
BLE_1M	Ant1	2480	2.13	2.51	84.86	0.71

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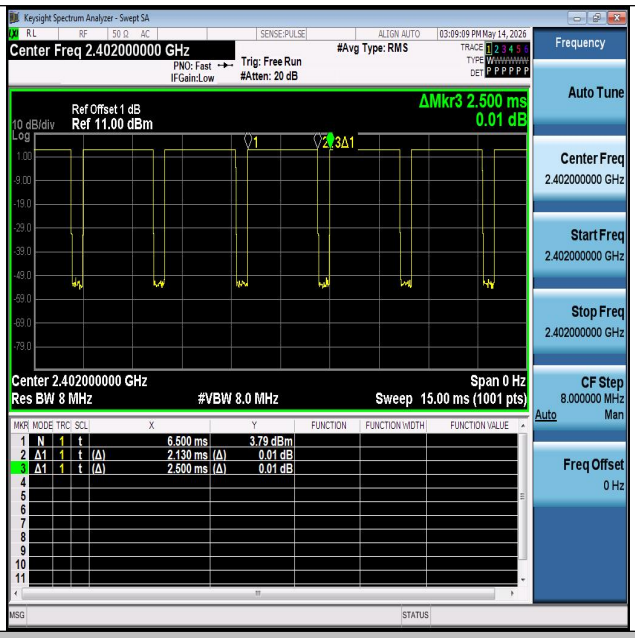
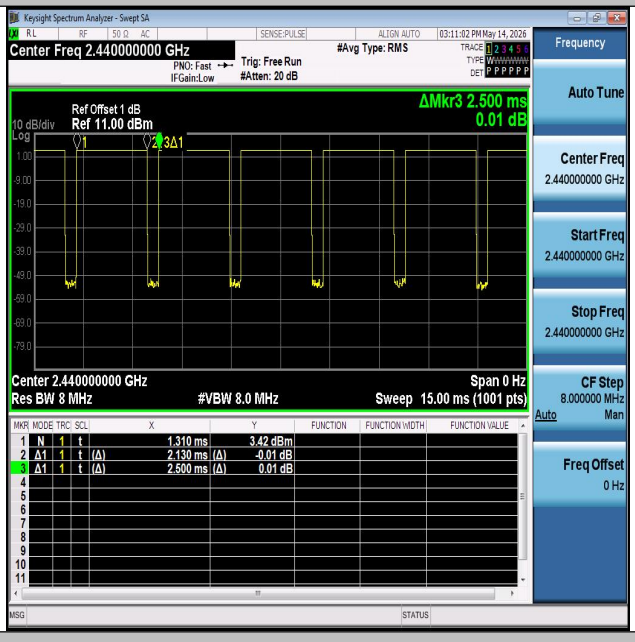
Test Graphs



NTNV-BLE_1M-Ant1-2402



NTNV-BLE_1M-Ant1-2440

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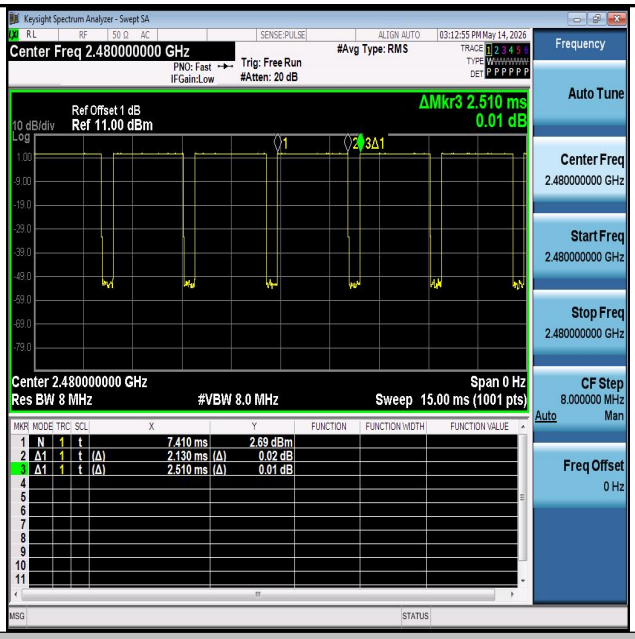

NTNV-BLE_1M-Ant1-2480

---End---

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