

Appendix Test Data

Report No.:	9812C50018912502	Test Sample No.:	1-2-2
Start Test Date:	2025-09-16	Finish Test Date:	2025-09-16
Test Engineer:	Alex Peng	Auditor:	Justin Feng
Temperature:	22.9℃	Relative Humidity:	54%
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	0.668	2401.668	2402.336	0.5	PASS
BLE_1M	Ant1	2440	0.736	2439.620	2440.356	0.5	PASS
BLE_1M	Ant1	2480	0.680	2479.652	2480.332	0.5	PASS

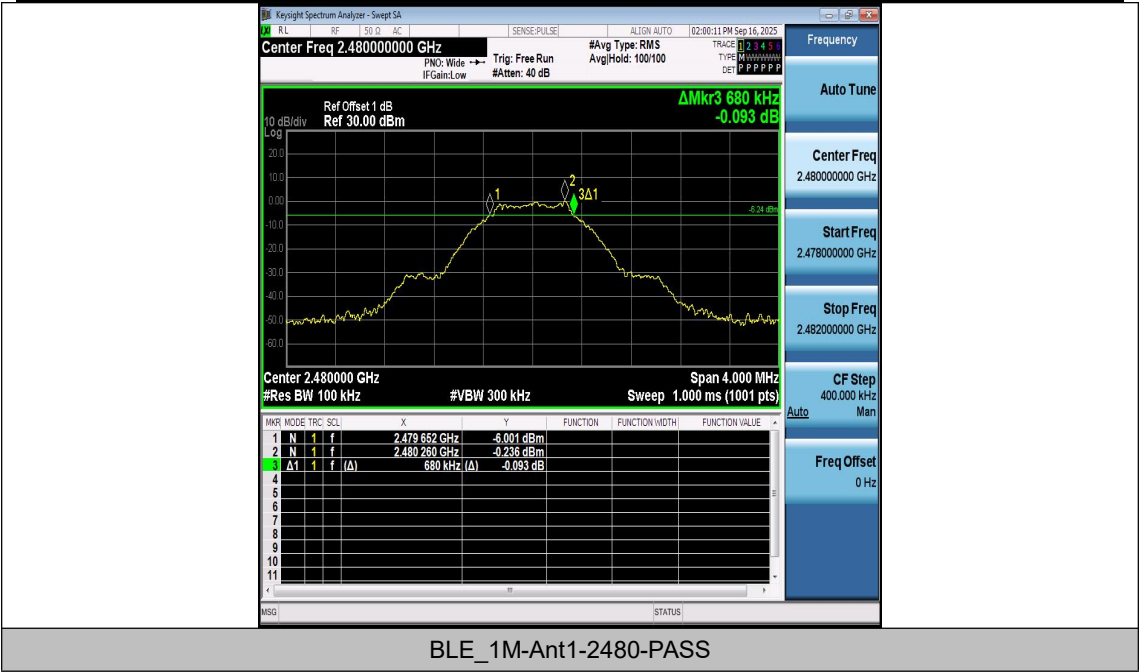
Test Graphs



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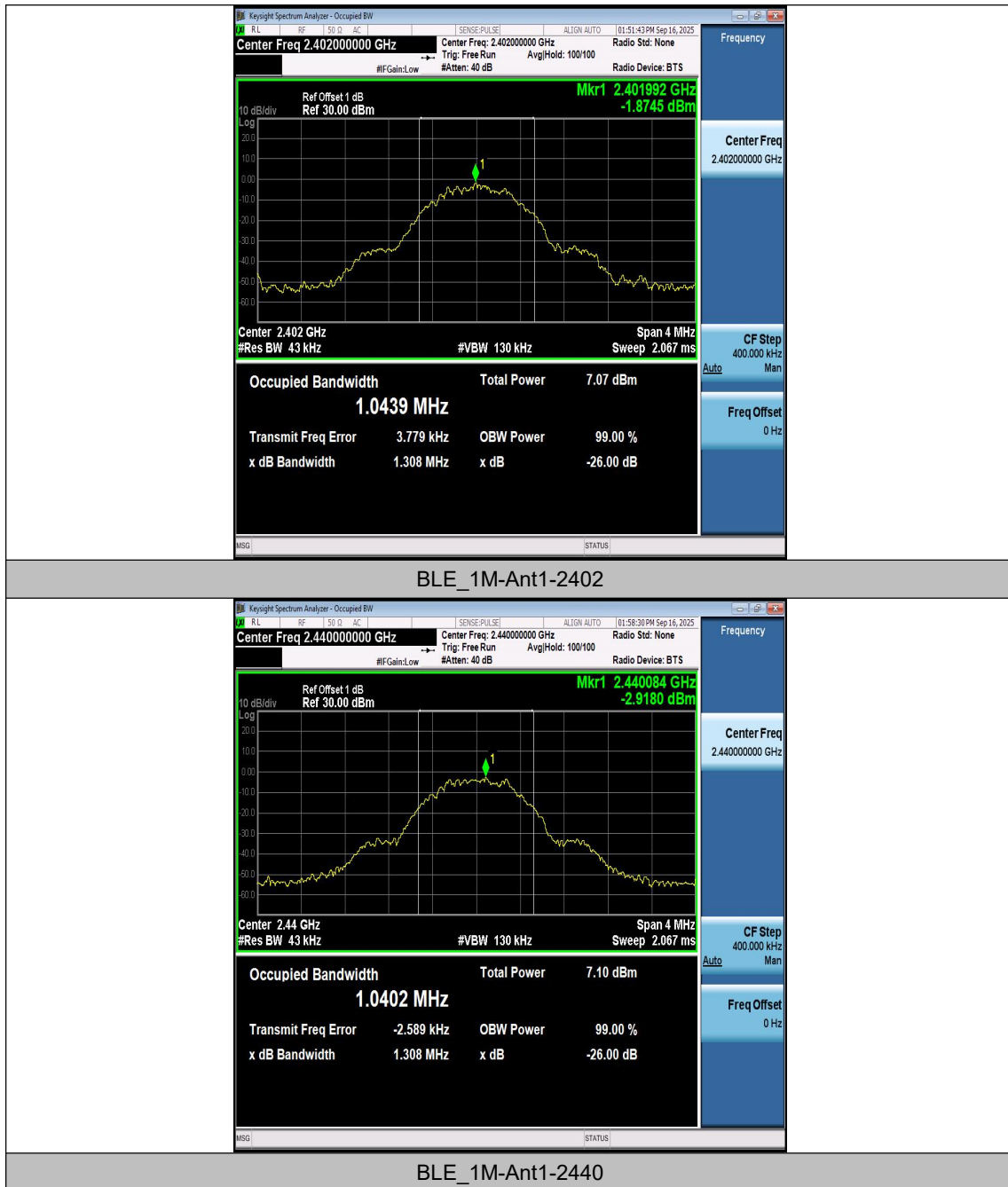
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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0439	2401.4818	2402.5257	---	---
BLE_1M	Ant1	2440	1.0402	2439.4773	2440.5175	---	---
BLE_1M	Ant1	2480	1.0329	2479.4835	2480.5164	---	---

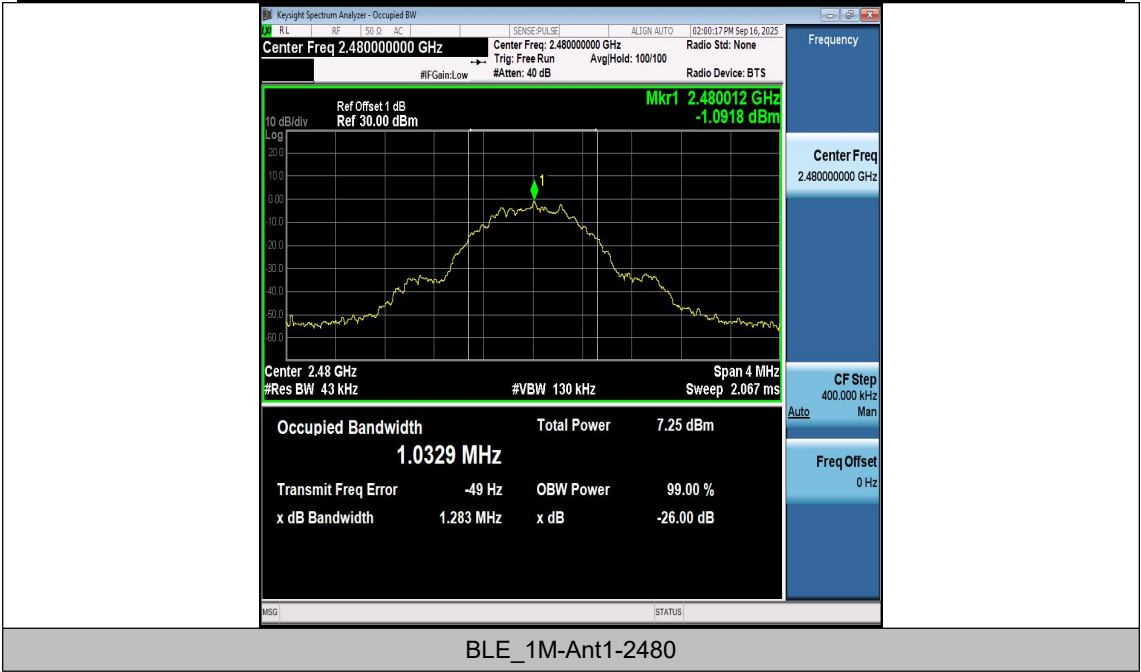
Test Graphs



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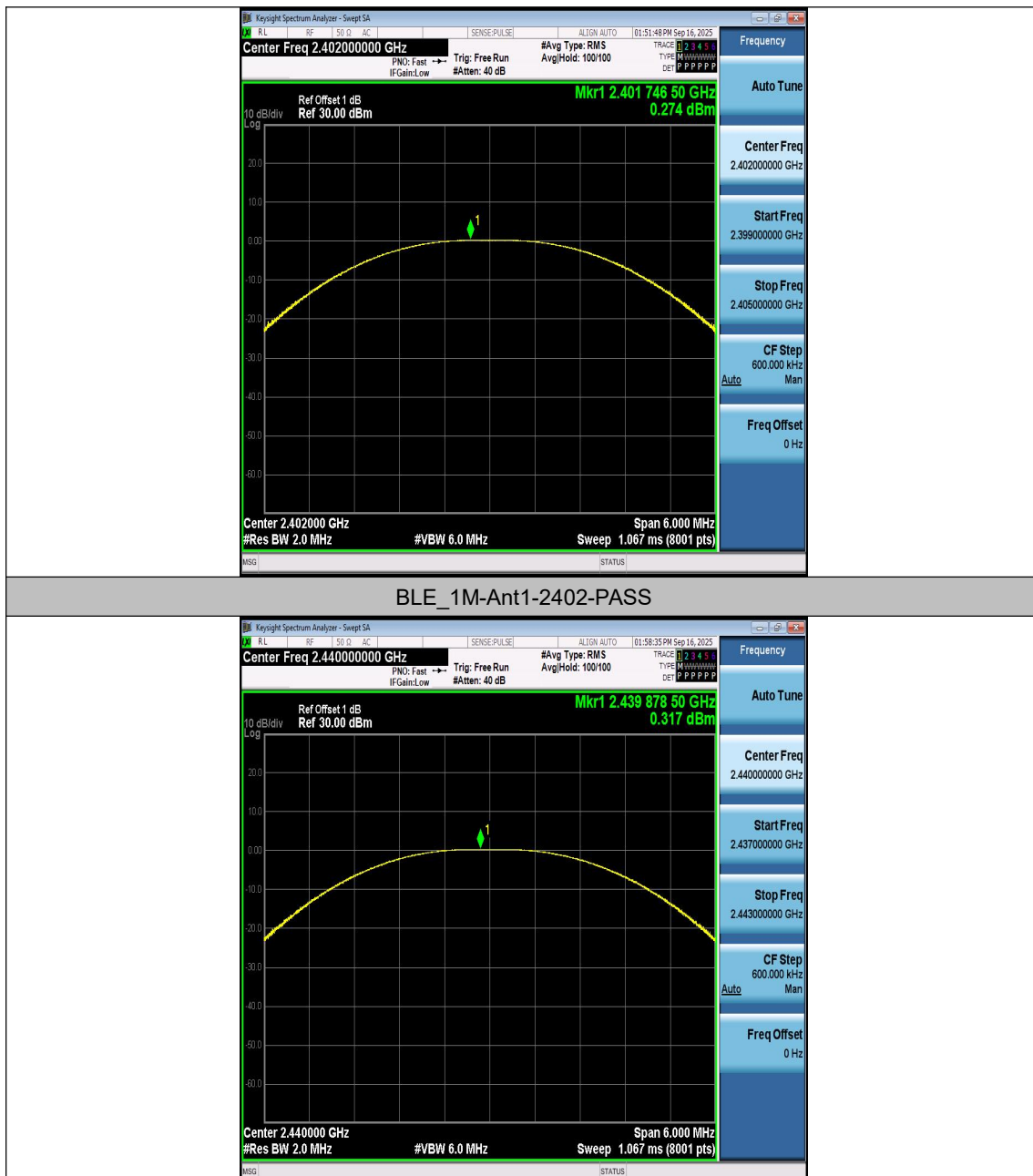
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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.27	≤30	PASS
BLE_1M	Ant1	2440	0.32	≤30	PASS
BLE_1M	Ant1	2480	0.20	≤30	PASS

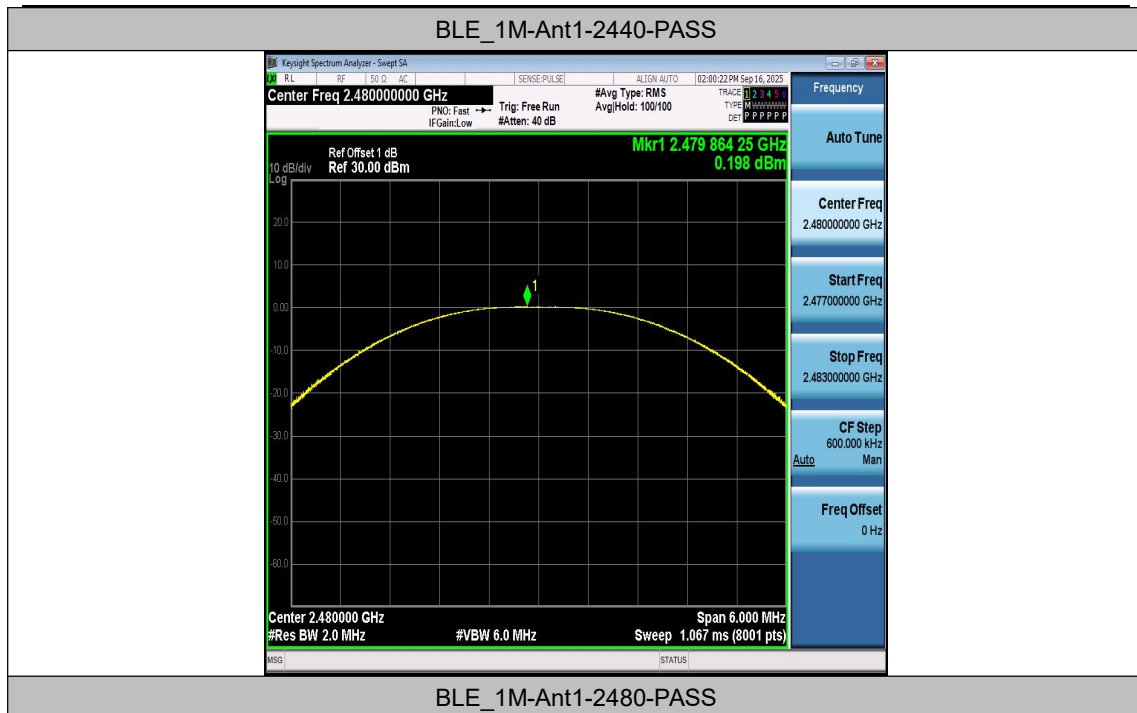
Test Graphs Peak



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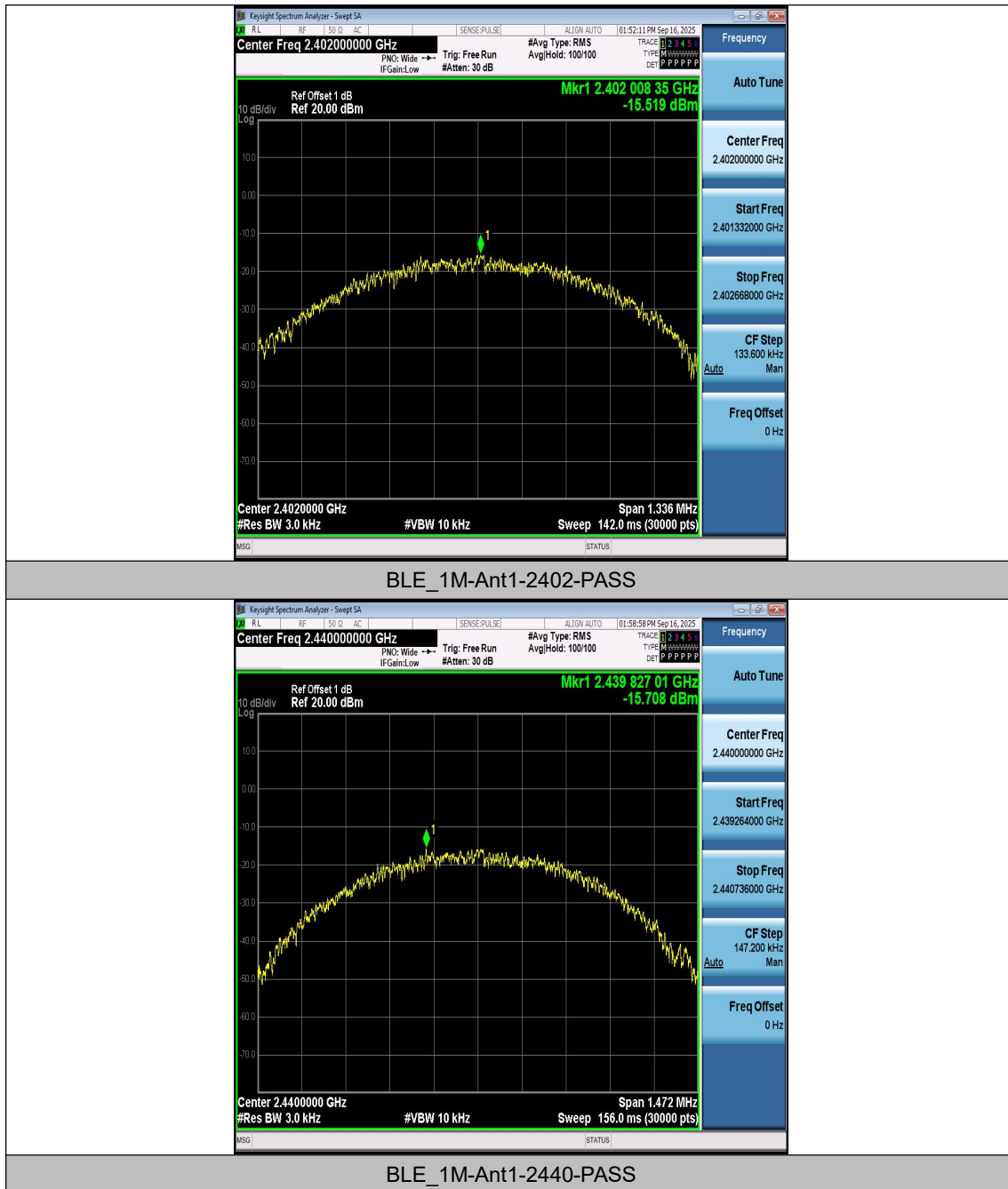
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.52	≤8.00	PASS
BLE_1M	Ant1	2440	-15.71	≤8.00	PASS
BLE_1M	Ant1	2480	-16.12	≤8.00	PASS

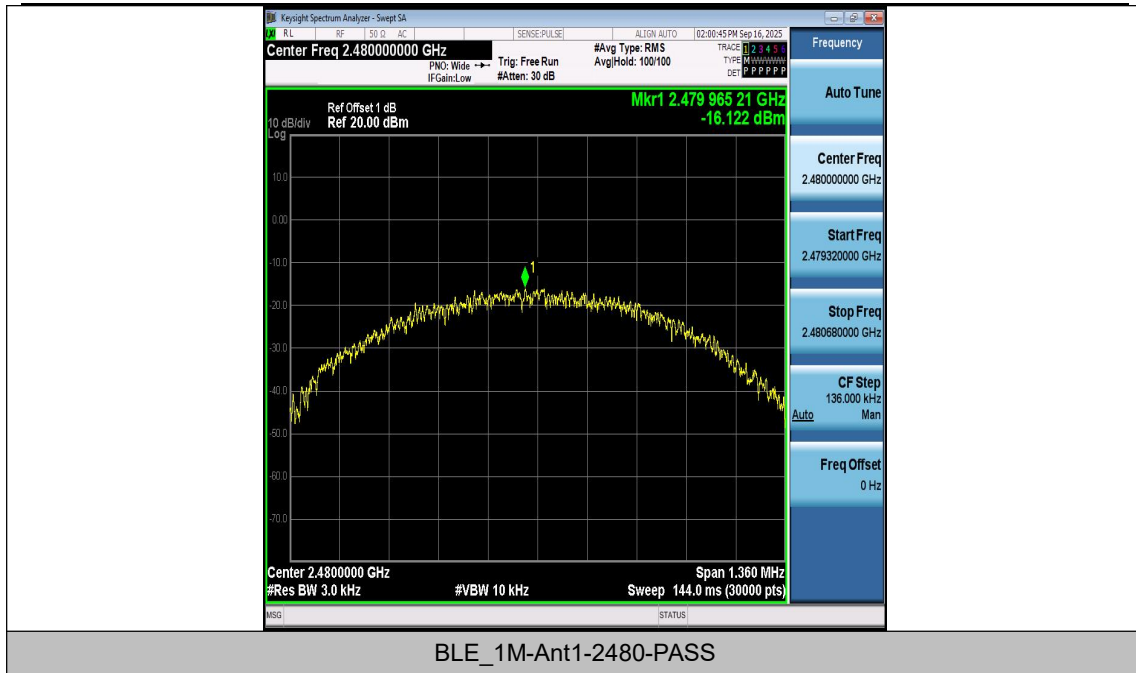
Test Graphs



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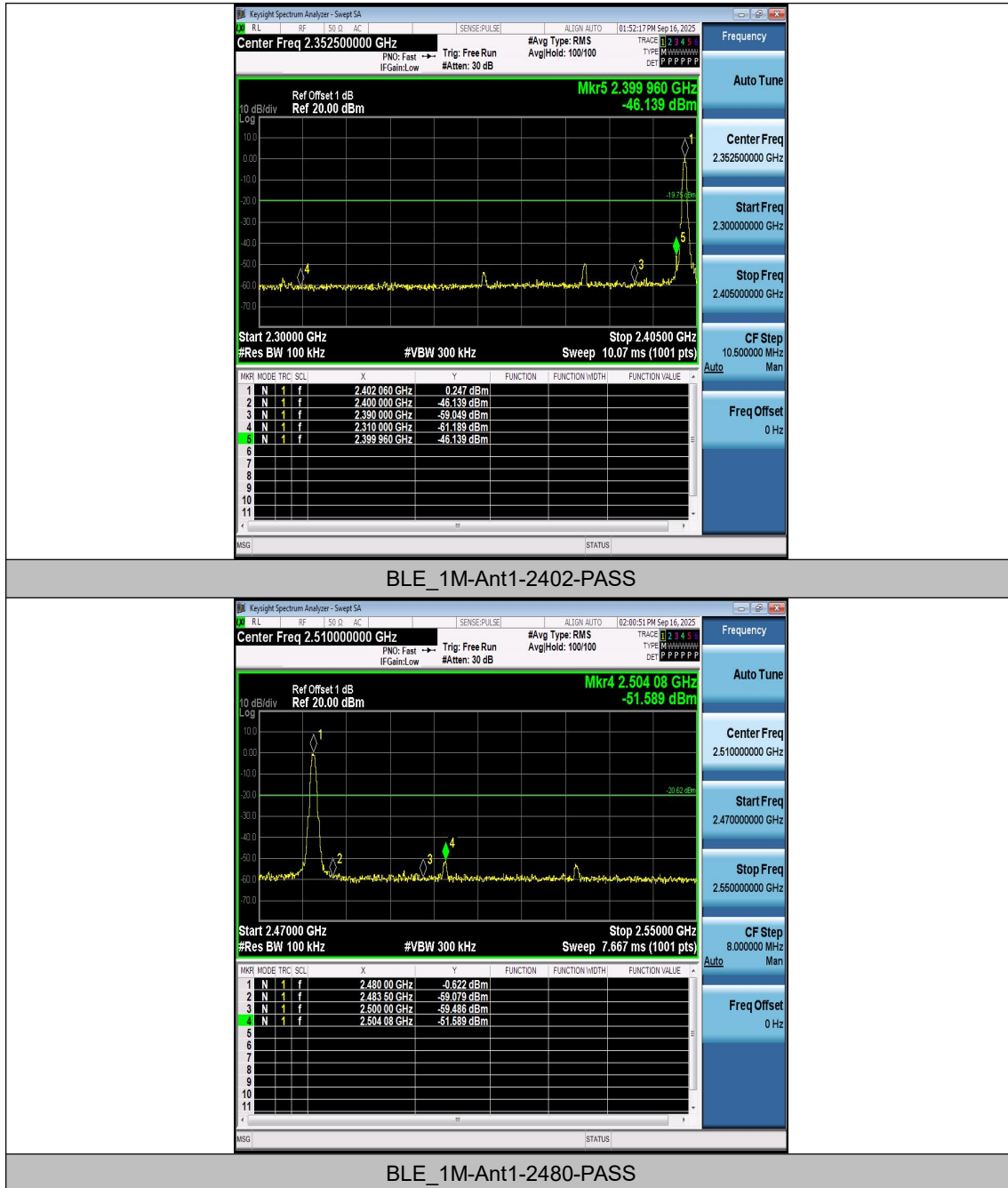
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.25	-46.14	≤-19.75	PASS
BLE_1M	Ant1	High	2480	-0.62	-51.59	≤-20.62	PASS

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

Test Graphs



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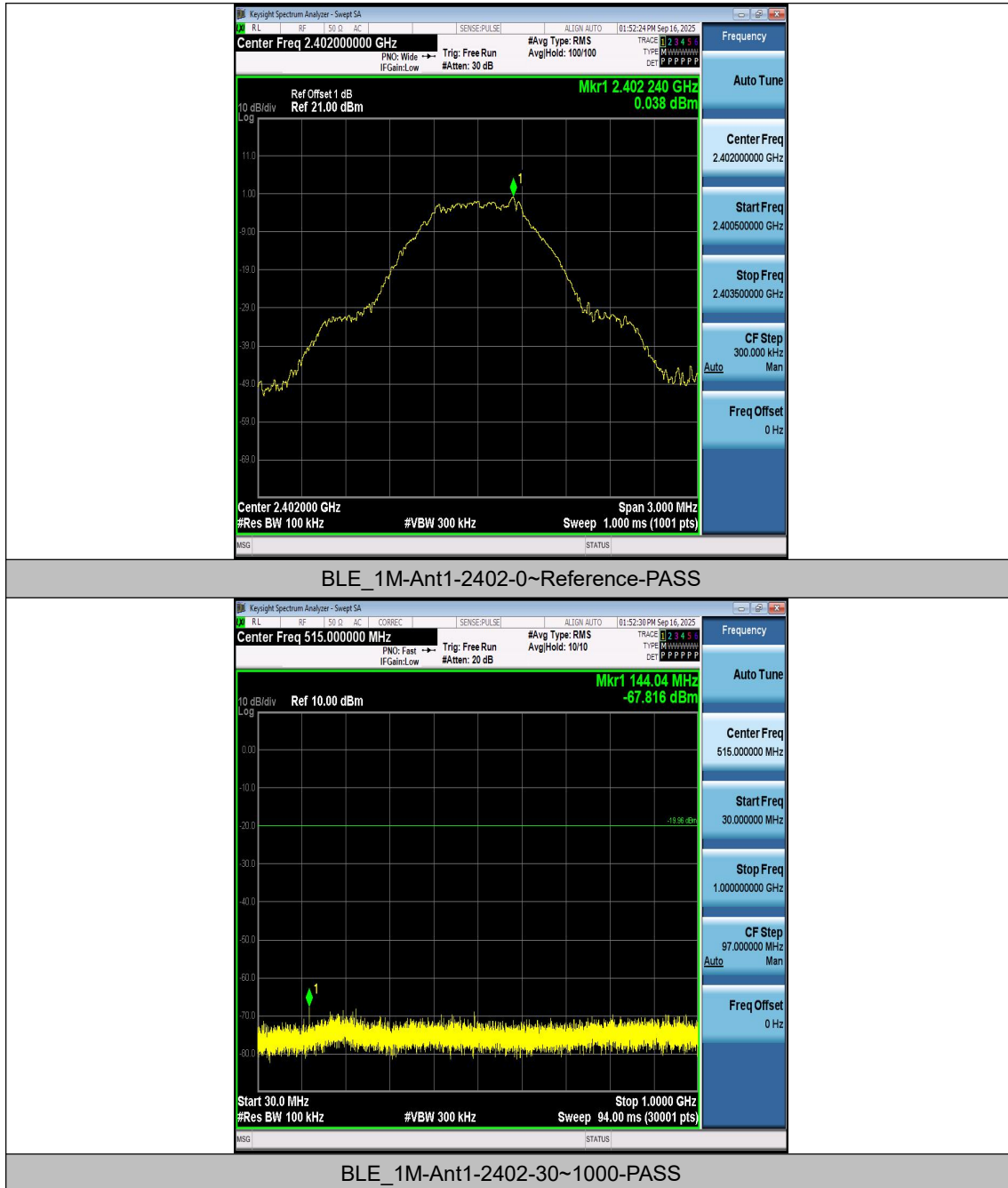
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	0.04	0.04	---	PASS
BLE_1M	Ant1	2402	30~1000	0.04	-67.82	≤-19.96	PASS
BLE_1M	Ant1	2402	1000~26500	0.04	-45.38	≤-19.96	PASS
BLE_1M	Ant1	2440	0~Reference	0.07	0.07	---	PASS
BLE_1M	Ant1	2440	30~1000	0.07	-67.22	≤-19.93	PASS
BLE_1M	Ant1	2440	1000~26500	0.07	-48.5	≤-19.93	PASS
BLE_1M	Ant1	2480	0~Reference	0.01	0.01	---	PASS
BLE_1M	Ant1	2480	30~1000	0.01	-66.95	≤-19.99	PASS
BLE_1M	Ant1	2480	1000~26500	0.01	-47.46	≤-19.99	PASS

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

Test Graphs



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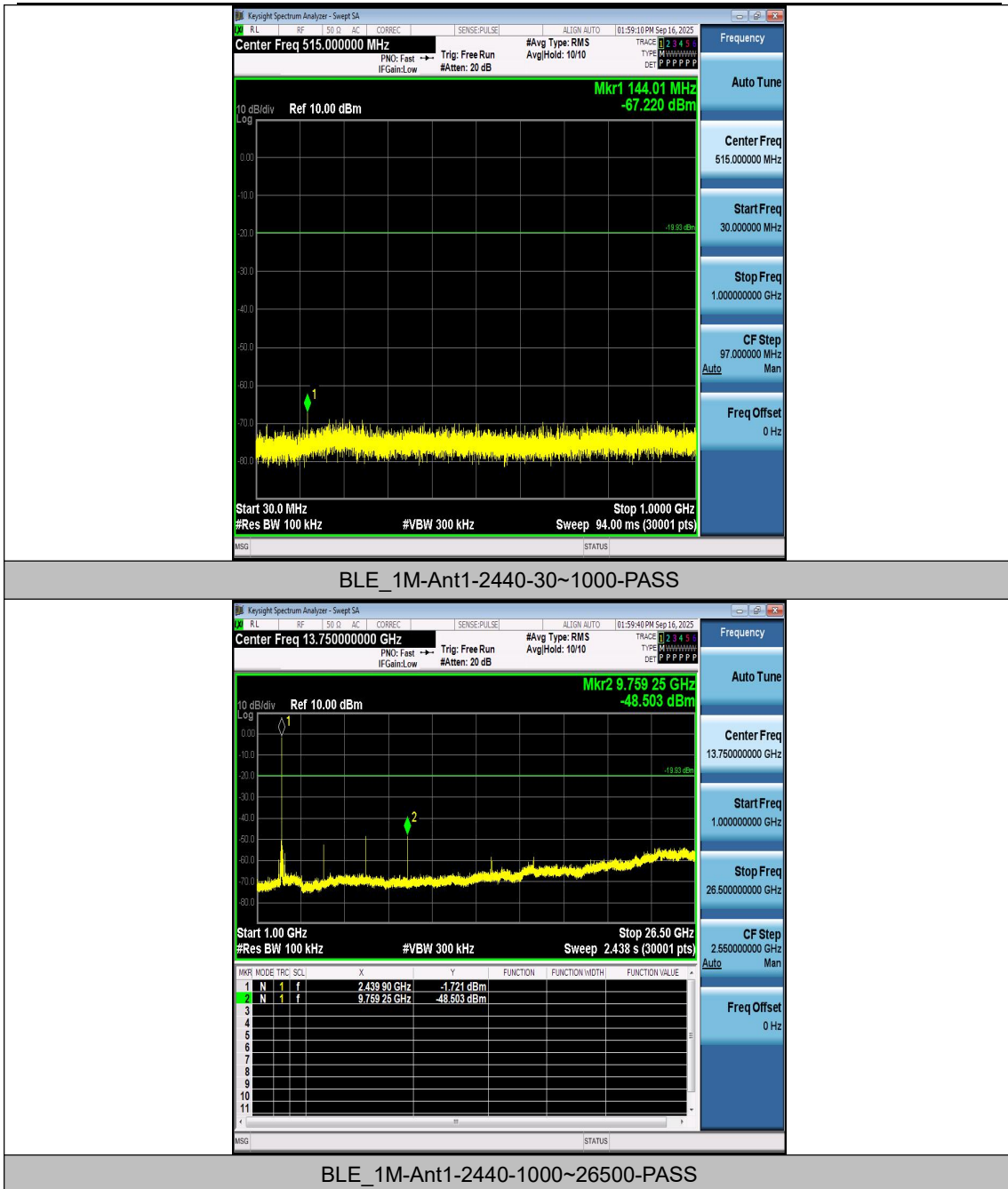
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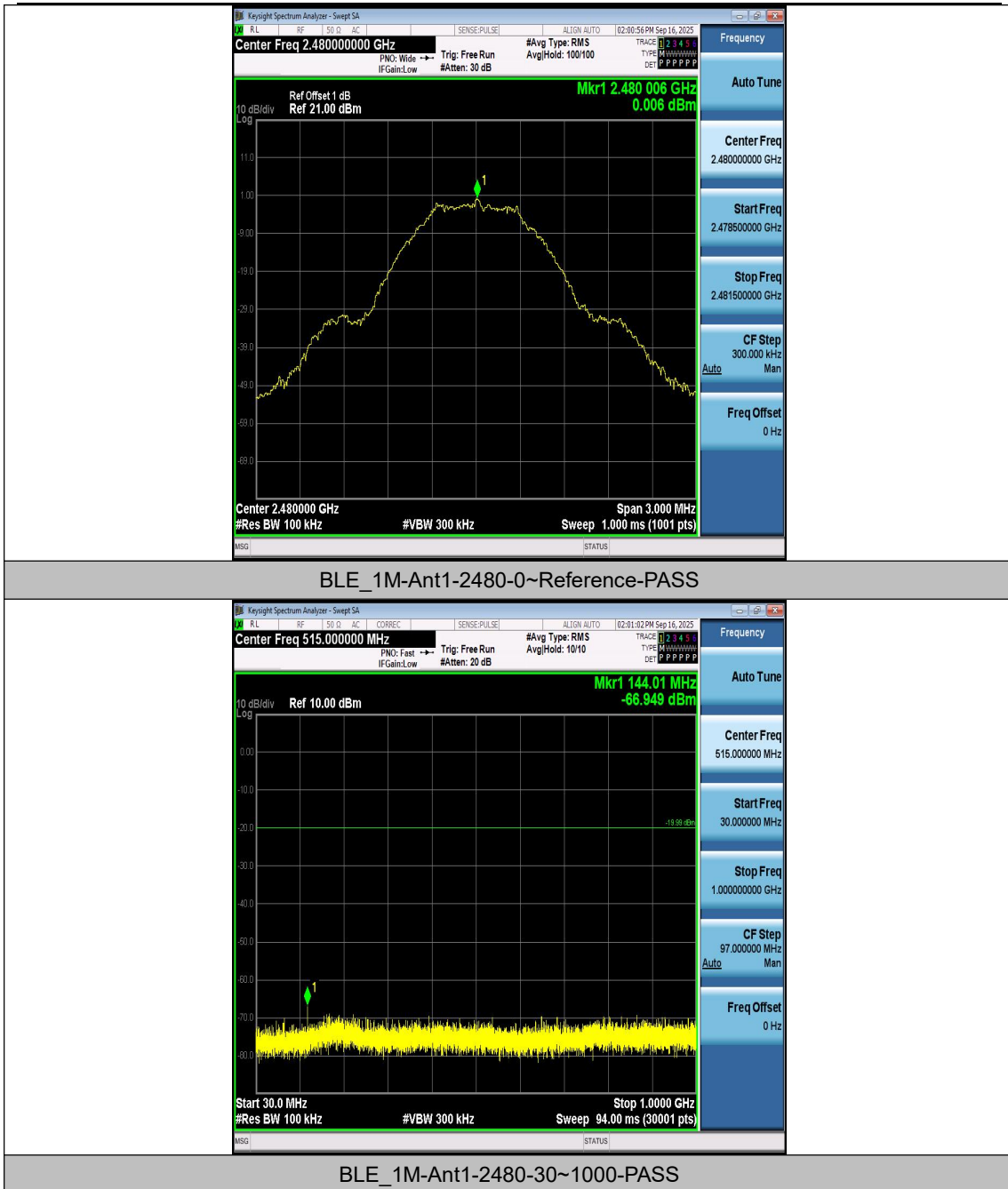
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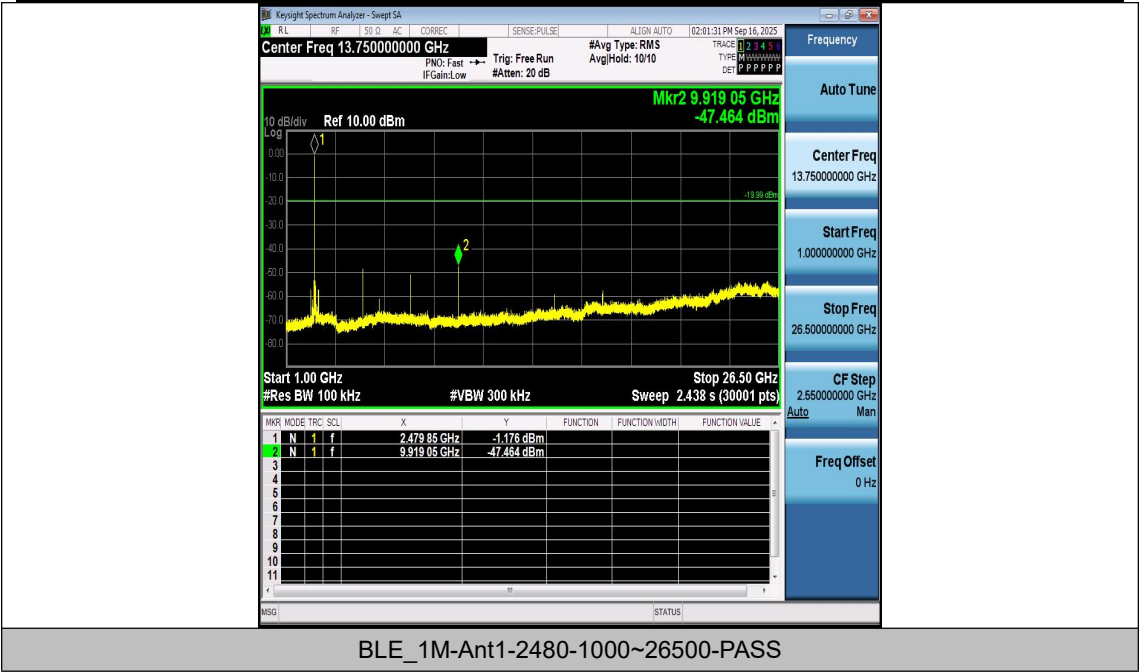
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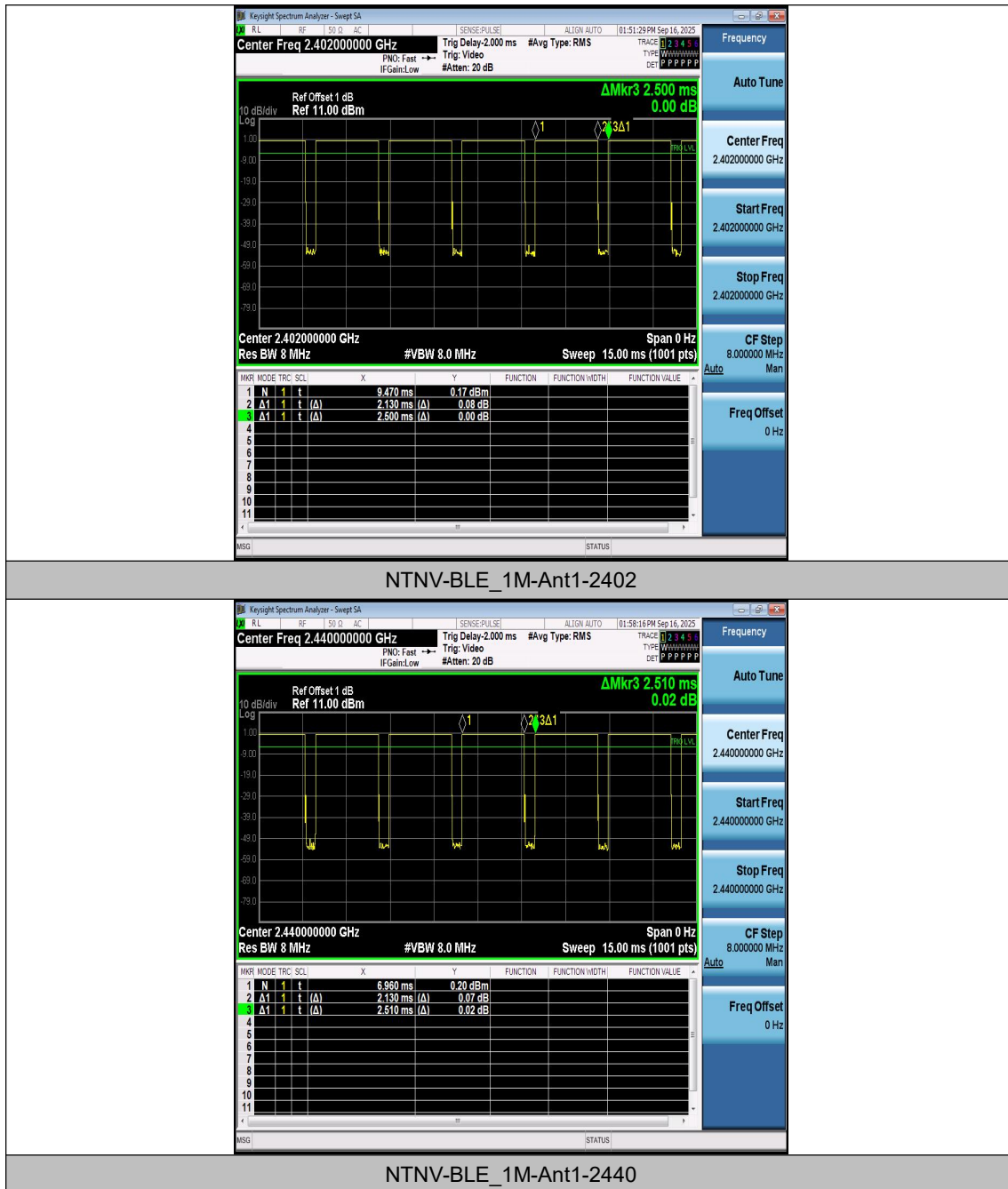
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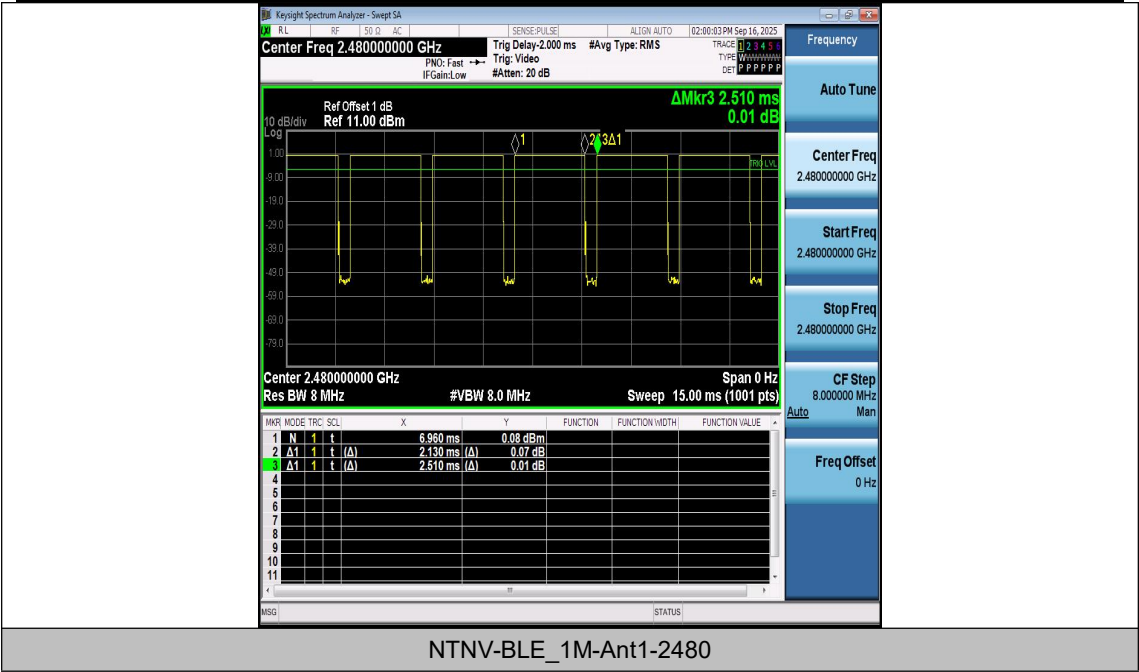
Appendix G: Duty Cycle

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	2.51	84.86	0.71
BLE_1M	Ant1	2480	2.13	2.51	84.86	0.71

Test Graphs





NTNV-BLE_1M-Ant1-2480

---End---