

Appendix Test Data

Report No.:	1814C50272012501	Test Sample No.:	1-2-2
Start Test Date:	2025-8-28	Finish Test Date:	2025-9-8
Test Engineer:	Alex Peng	Auditor:	Justin Feng
Temperature:	25.1℃	Relative Humidity:	48%
Pressure:	101kPa		

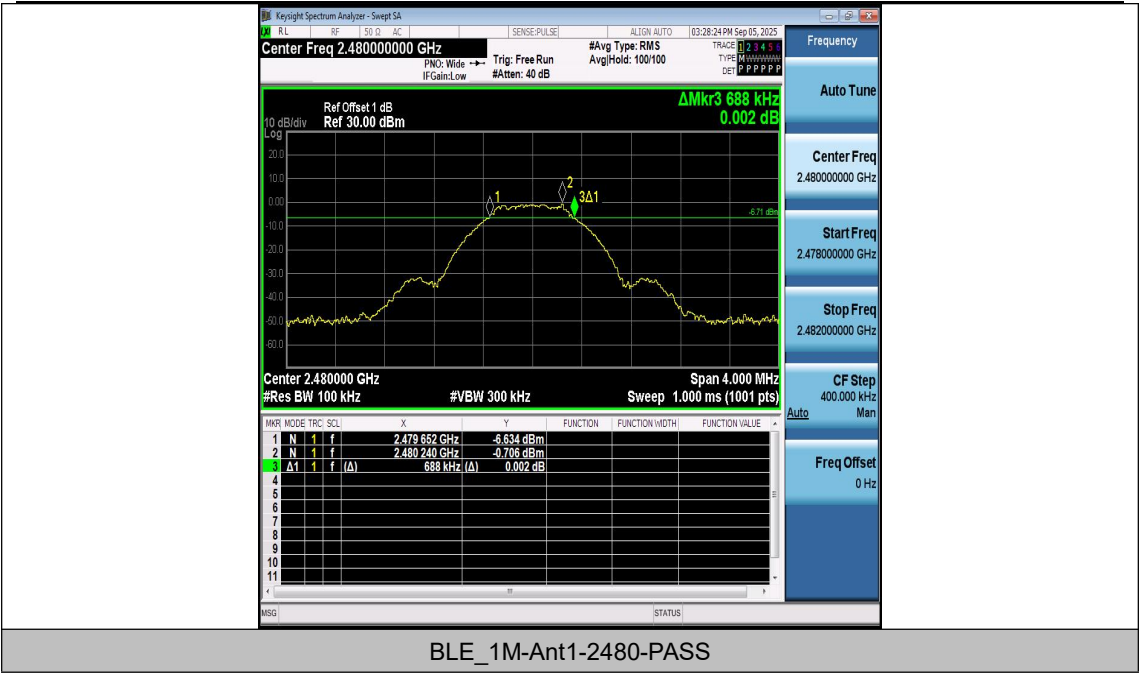
Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.692	2401.644	2402.336	0.5	PASS
BLE_1M	Ant1	2440	0.668	2439.664	2440.332	0.5	PASS
BLE_1M	Ant1	2480	0.688	2479.652	2480.340	0.5	PASS

Test Graphs





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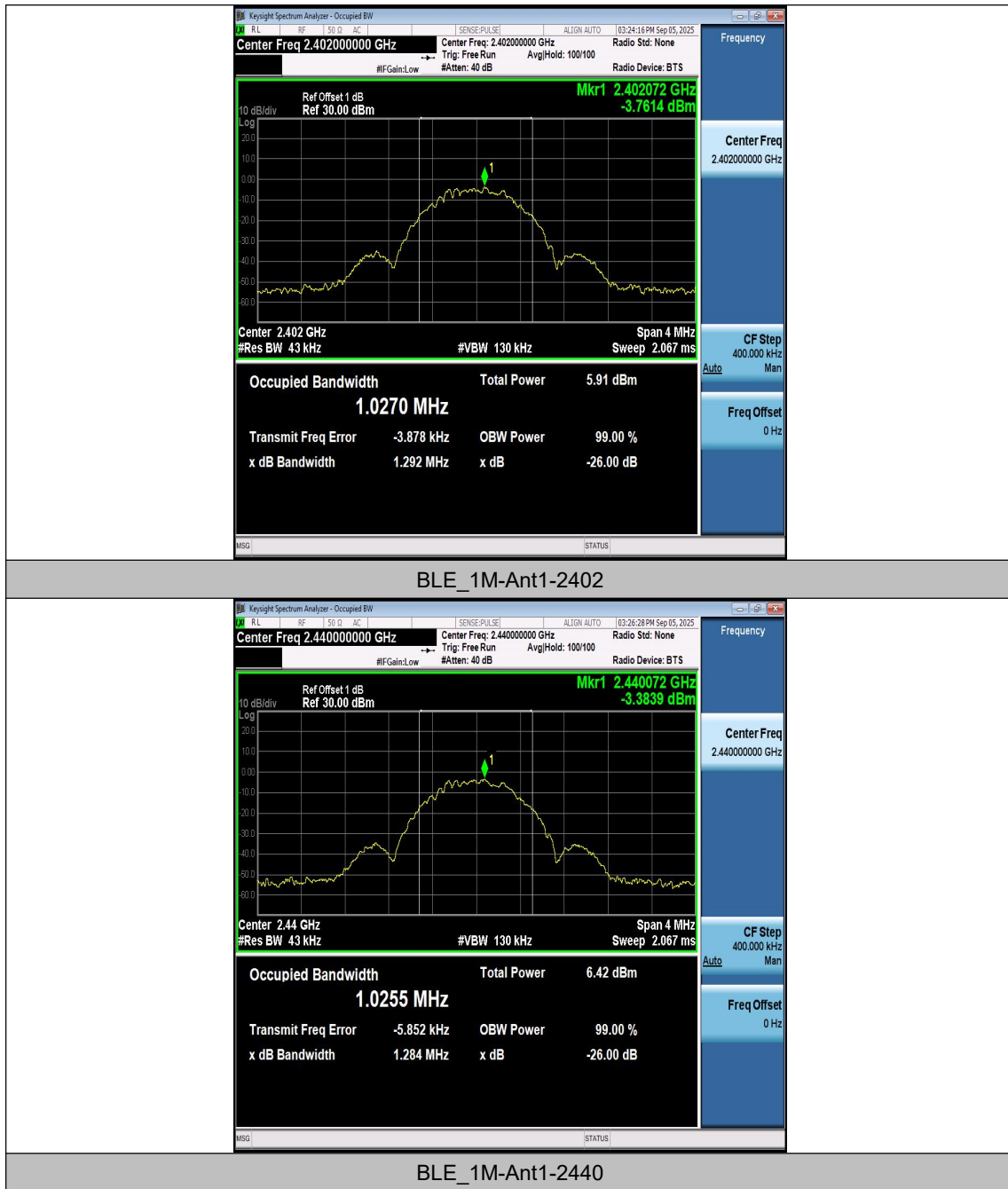
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Appendix B: 99% Occupied Bandwidth**Test Result**

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0270	2401.4826	2402.5096	---	---
BLE_1M	Ant1	2440	1.0255	2439.4814	2440.5069	---	---
BLE_1M	Ant1	2480	1.0293	2479.4784	2480.5077	---	---

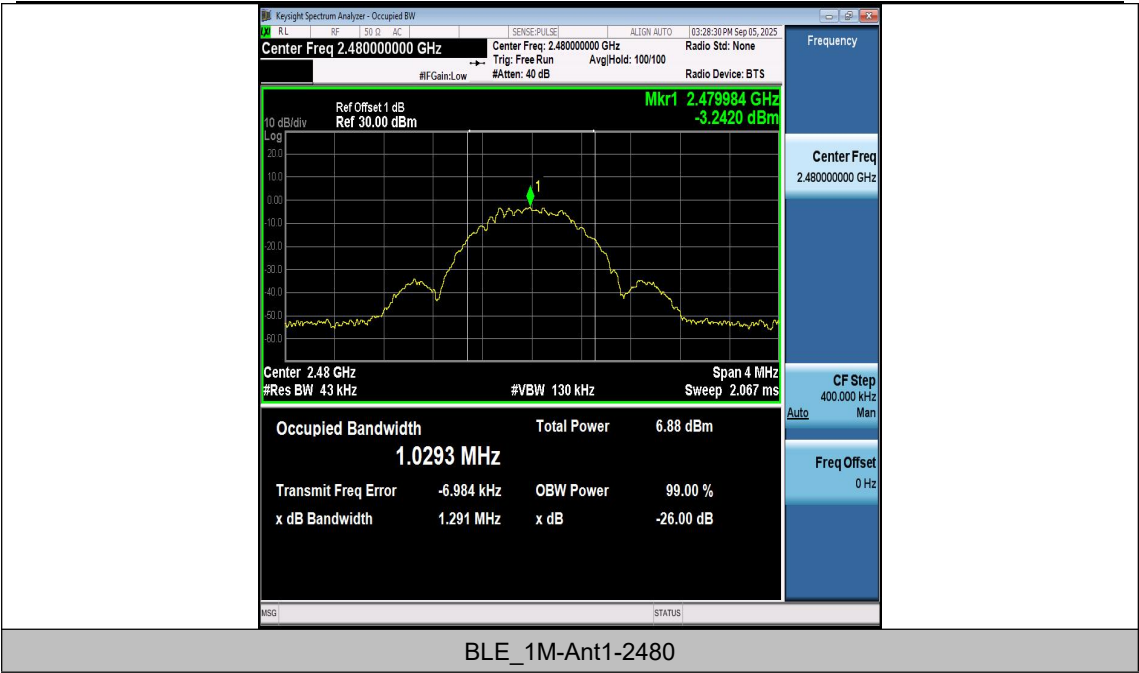
Test Graphs



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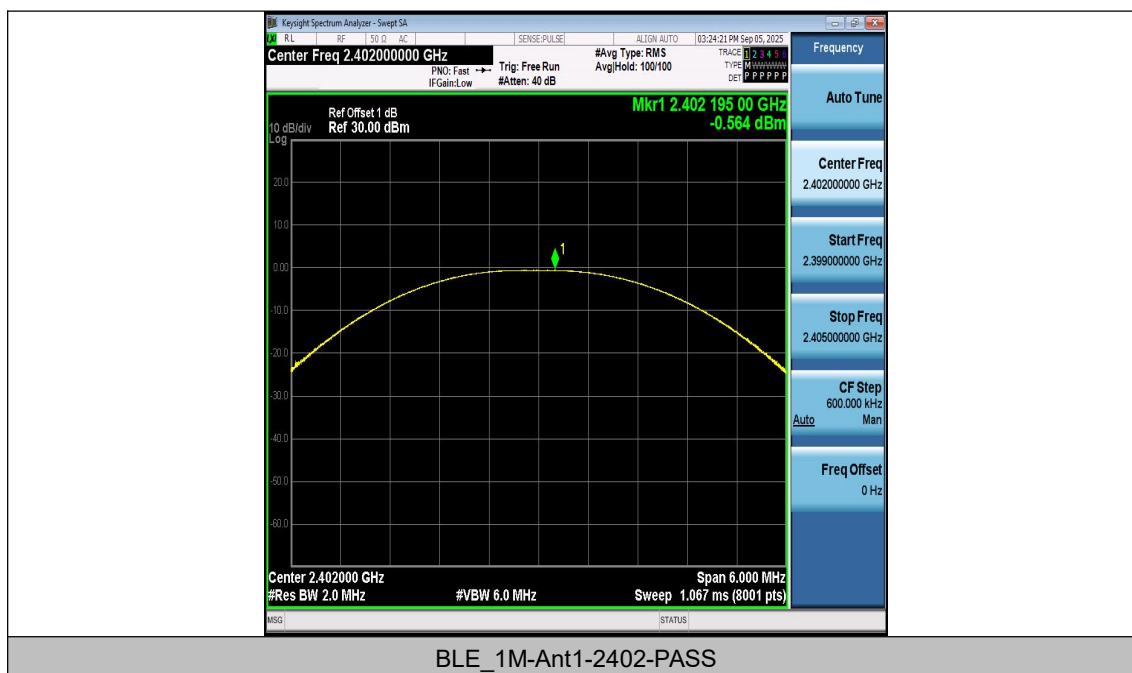
Appendix C: Maximum conducted output power

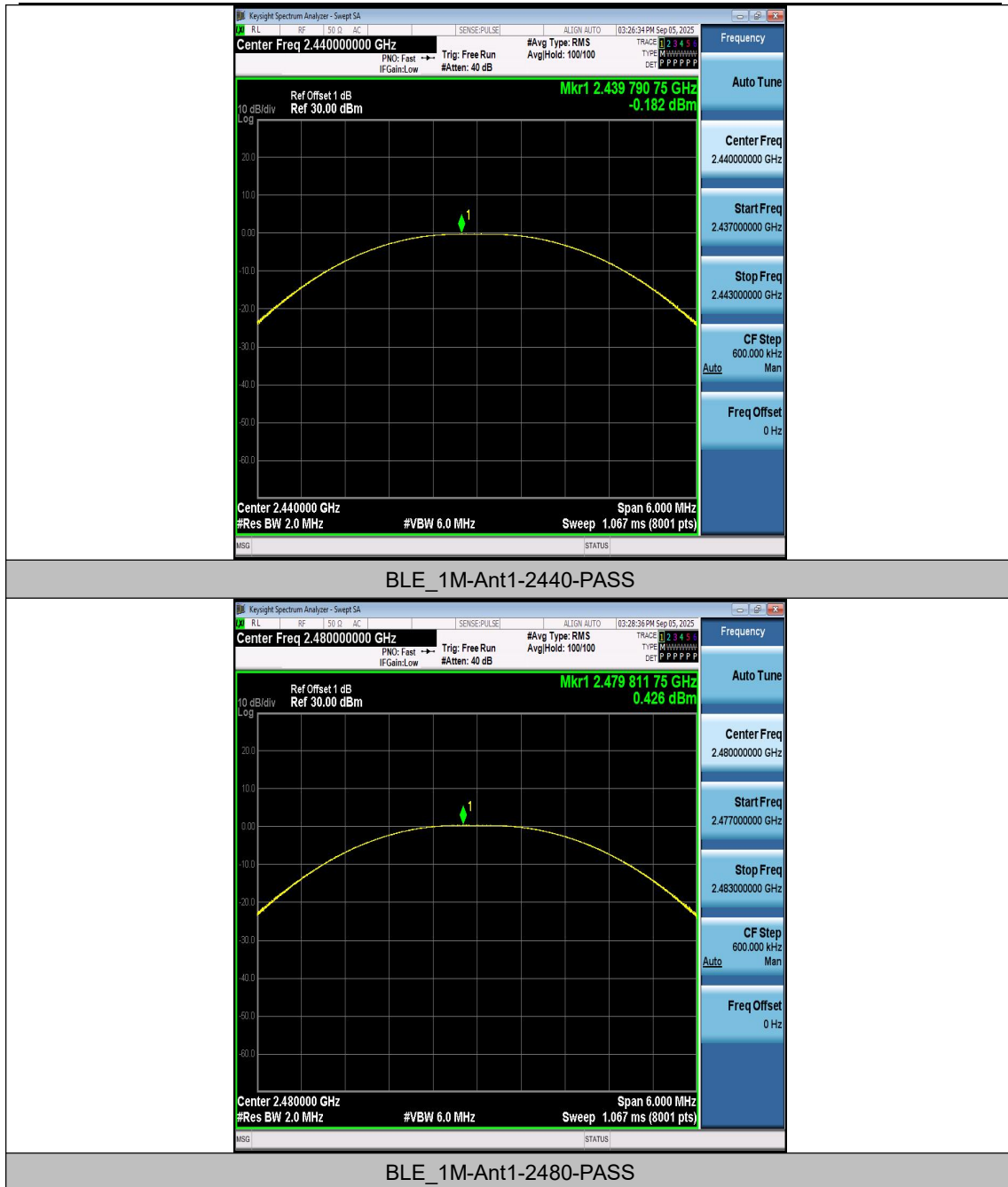
Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.56	≤30	PASS
BLE_1M	Ant1	2440	-0.18	≤30	PASS
BLE_1M	Ant1	2480	0.43	≤30	PASS

The cable loss are compensated in the graph.

Test Graphs Peak





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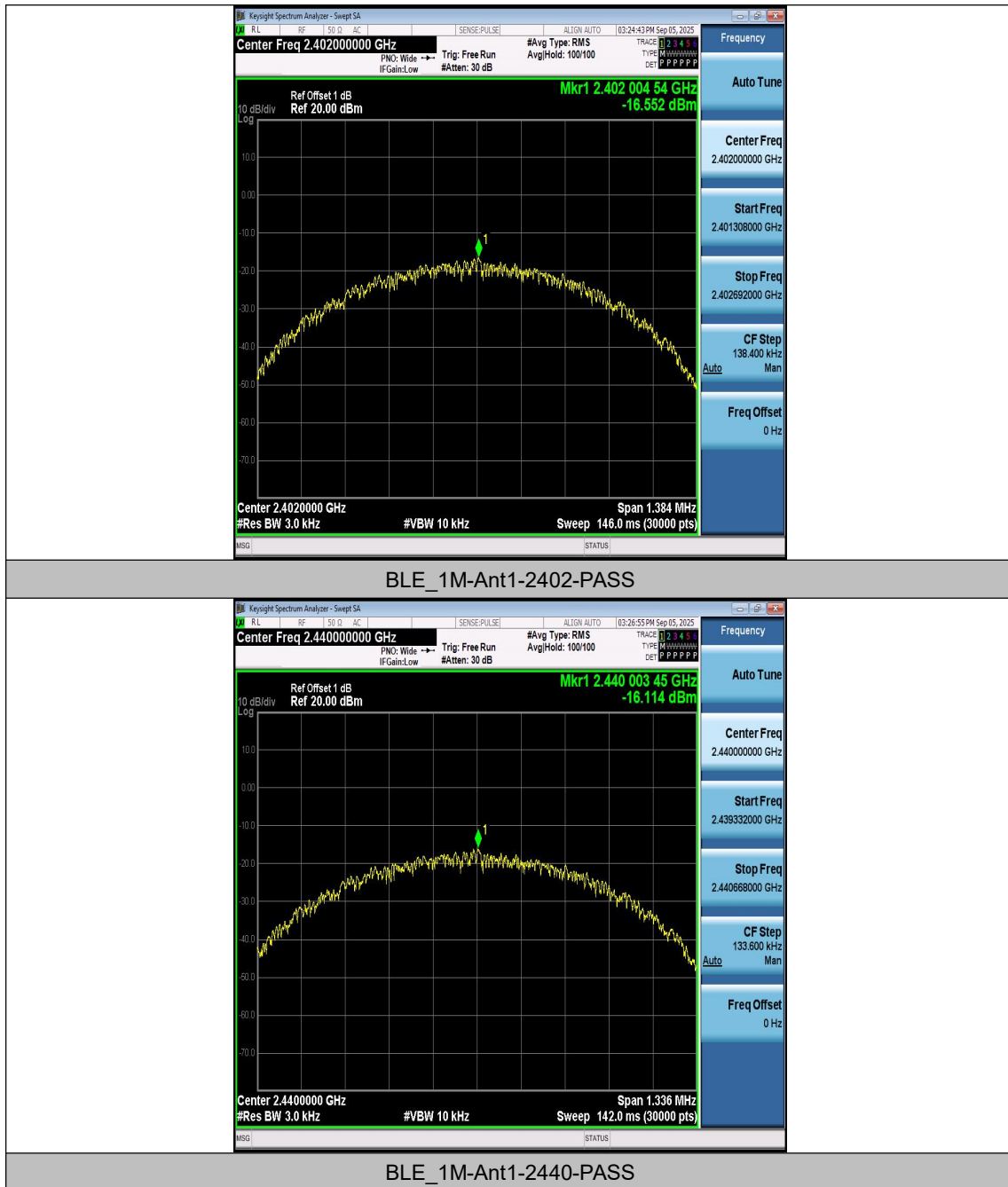
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-16.55	≤8.00	PASS
BLE_1M	Ant1	2440	-16.11	≤8.00	PASS
BLE_1M	Ant1	2480	-15.53	≤8.00	PASS

The cable loss are compensated in the graph.

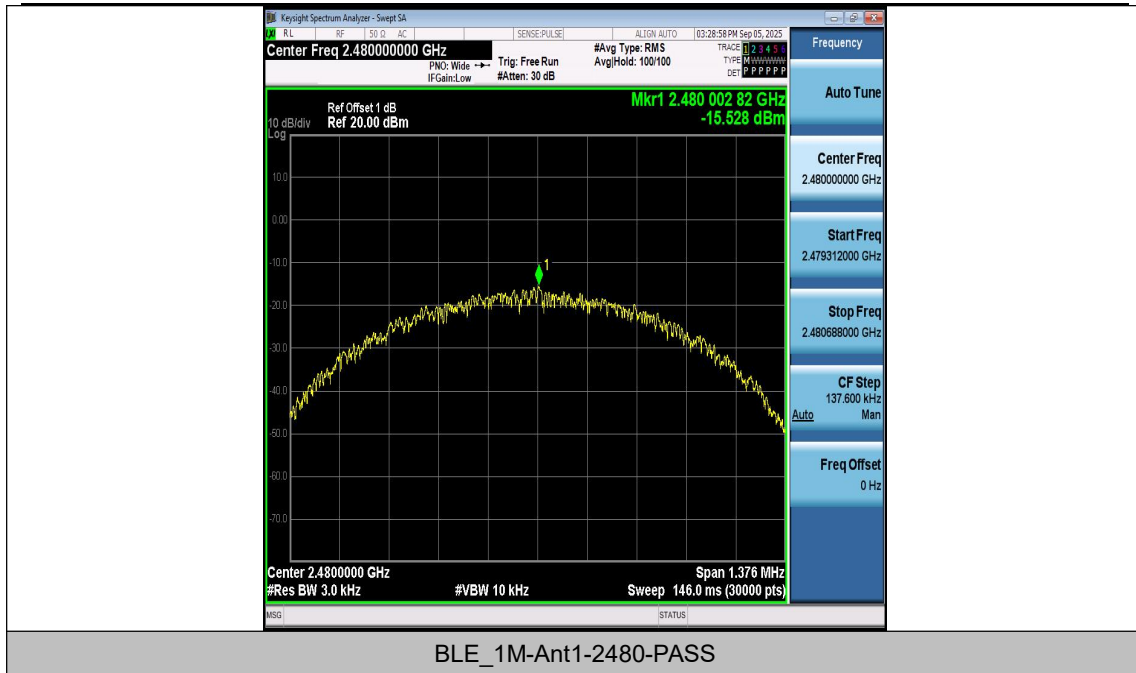
Test Graphs



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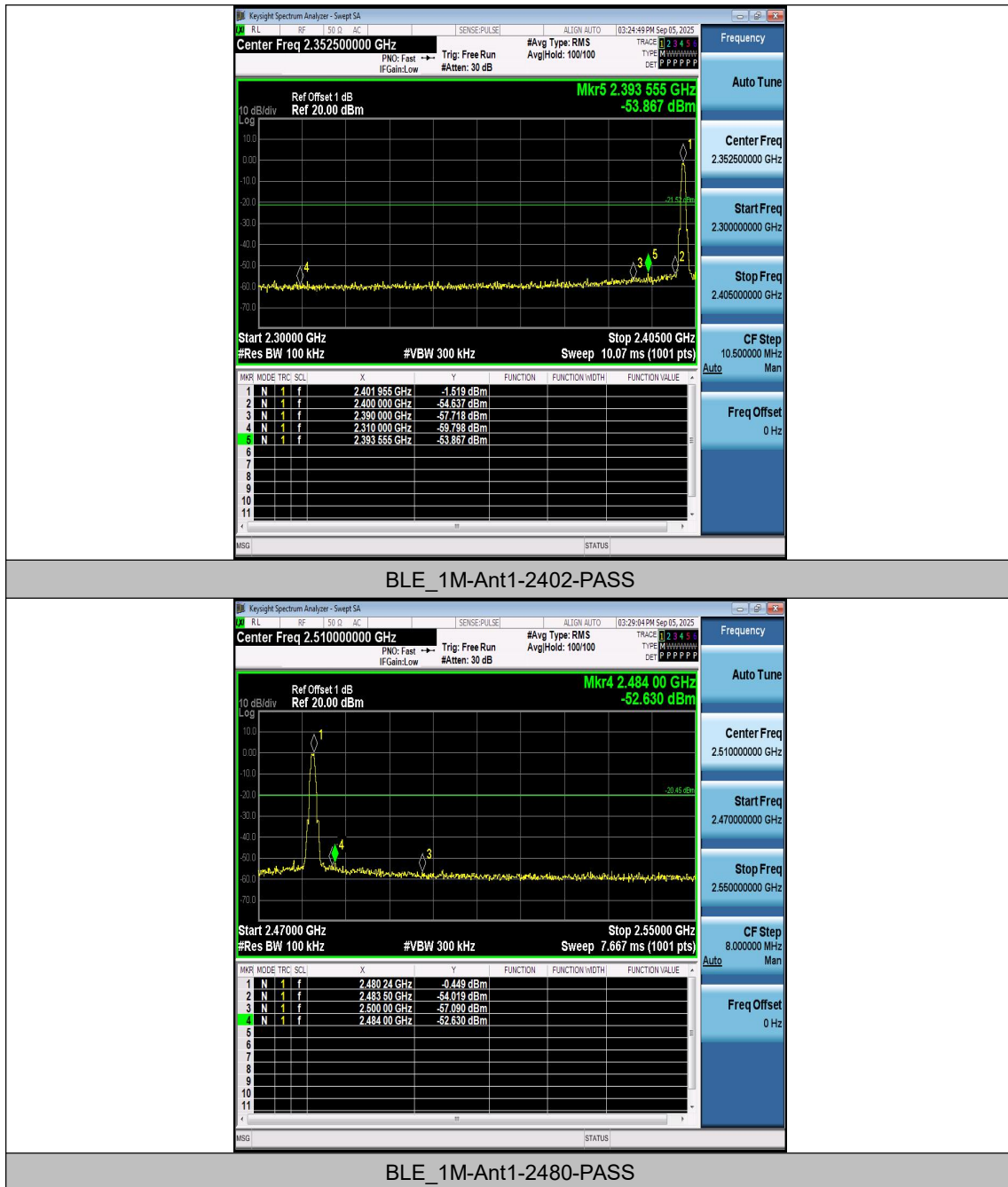
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.52	-53.87	≤-21.52	PASS
BLE_1M	Ant1	High	2480	-0.45	-52.63	≤-20.45	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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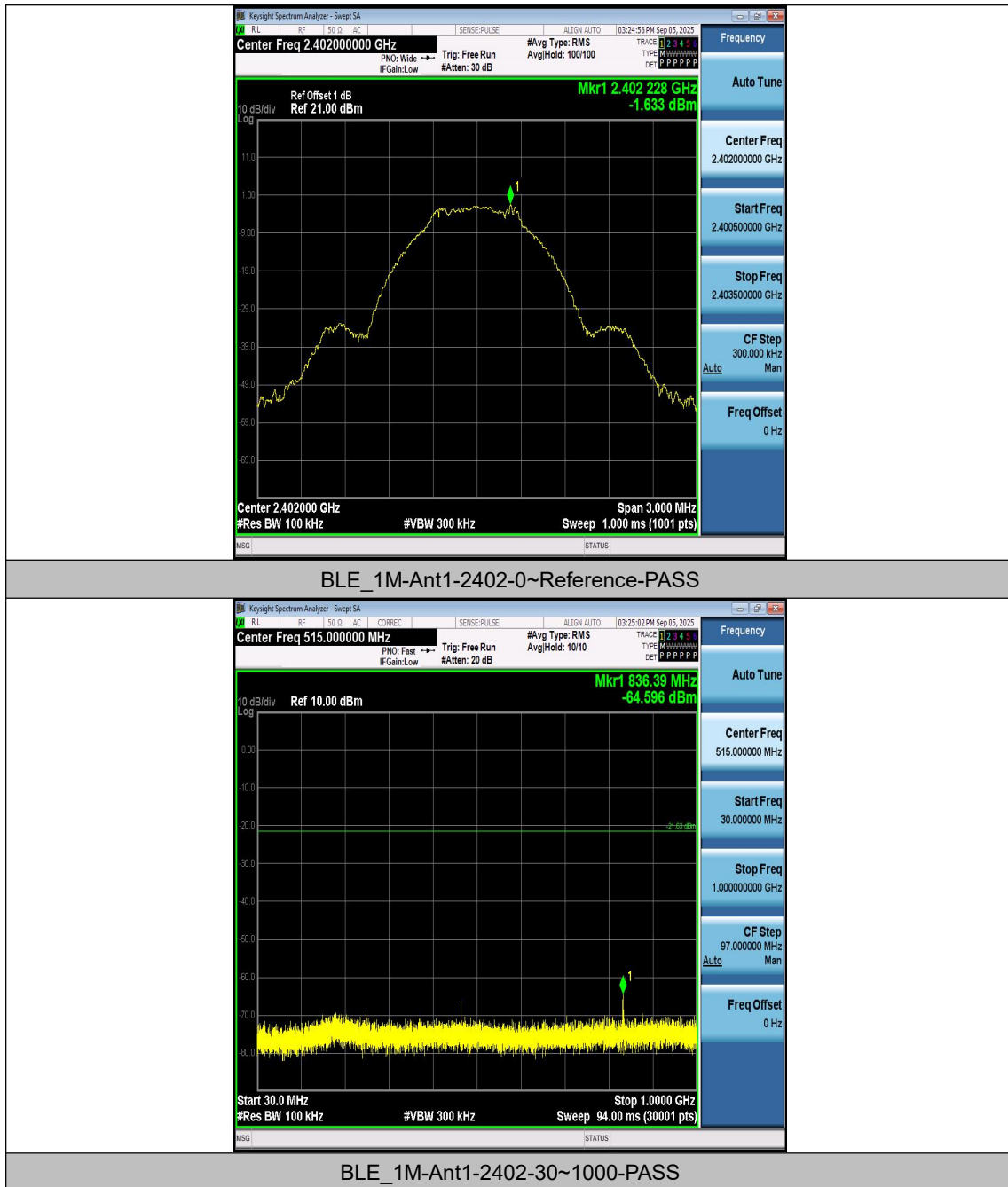
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-1.63	-1.63	---	PASS
BLE_1M	Ant1	2402	30~1000	-1.63	-64.6	≤-21.63	PASS
BLE_1M	Ant1	2402	1000~26500	-1.63	-52.89	≤-21.63	PASS
BLE_1M	Ant1	2440	0~Reference	-1.25	-1.25	---	PASS
BLE_1M	Ant1	2440	30~1000	-1.25	-64.95	≤-21.25	PASS
BLE_1M	Ant1	2440	1000~26500	-1.25	-53.55	≤-21.25	PASS
BLE_1M	Ant1	2480	0~Reference	-0.71	-0.71	---	PASS
BLE_1M	Ant1	2480	30~1000	-0.71	-65.4	≤-20.71	PASS
BLE_1M	Ant1	2480	1000~26500	-0.71	-53.17	≤-20.71	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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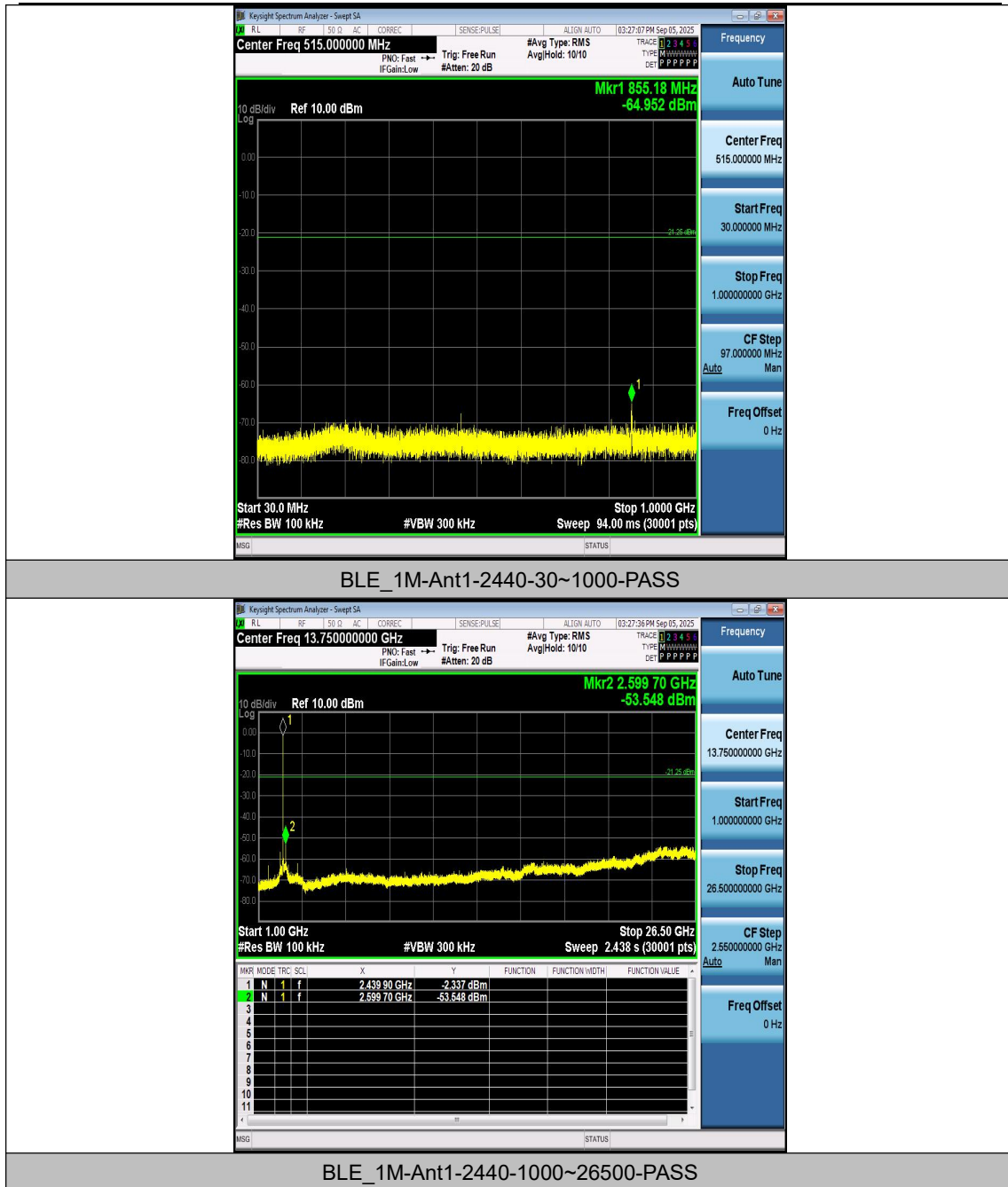
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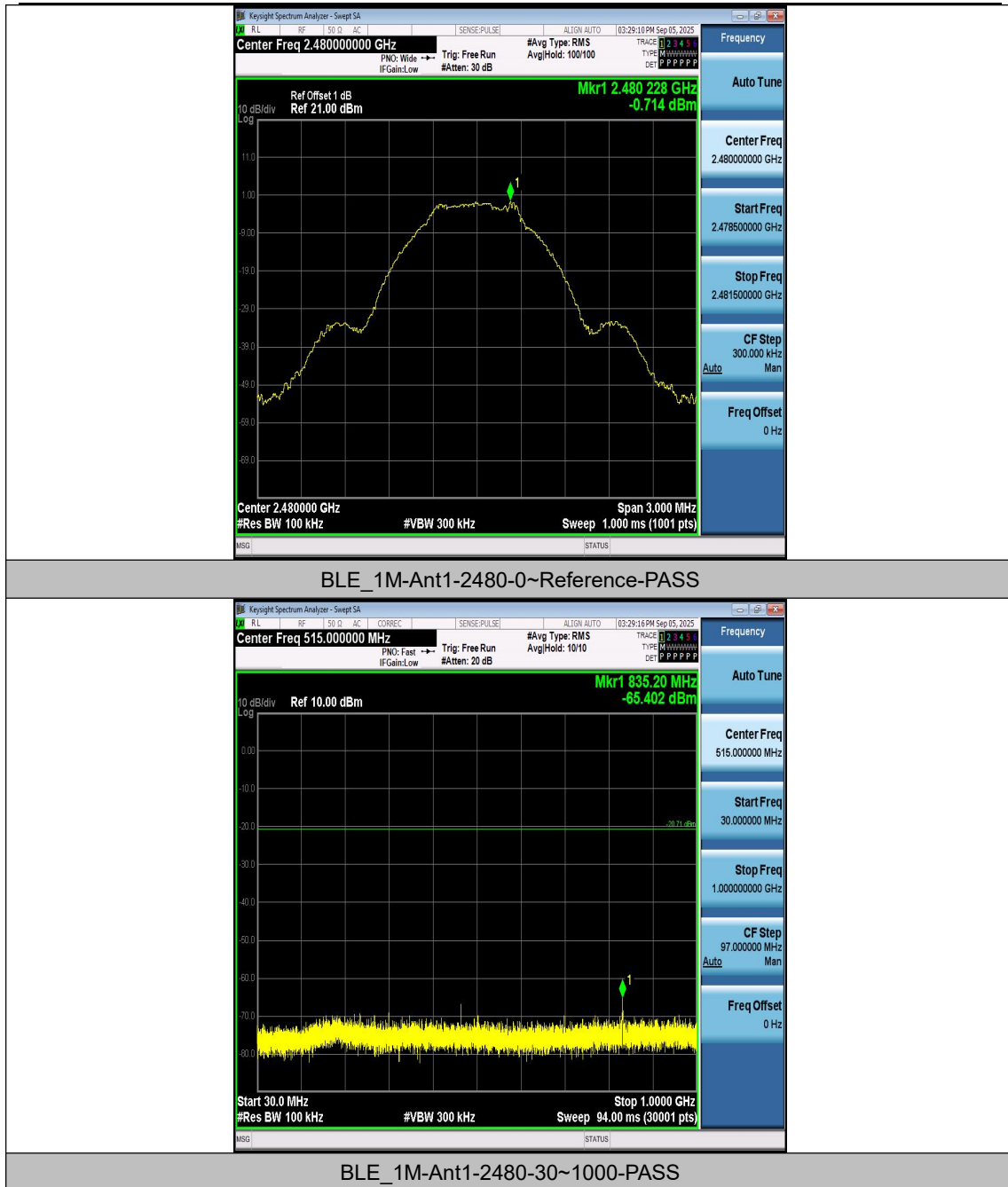
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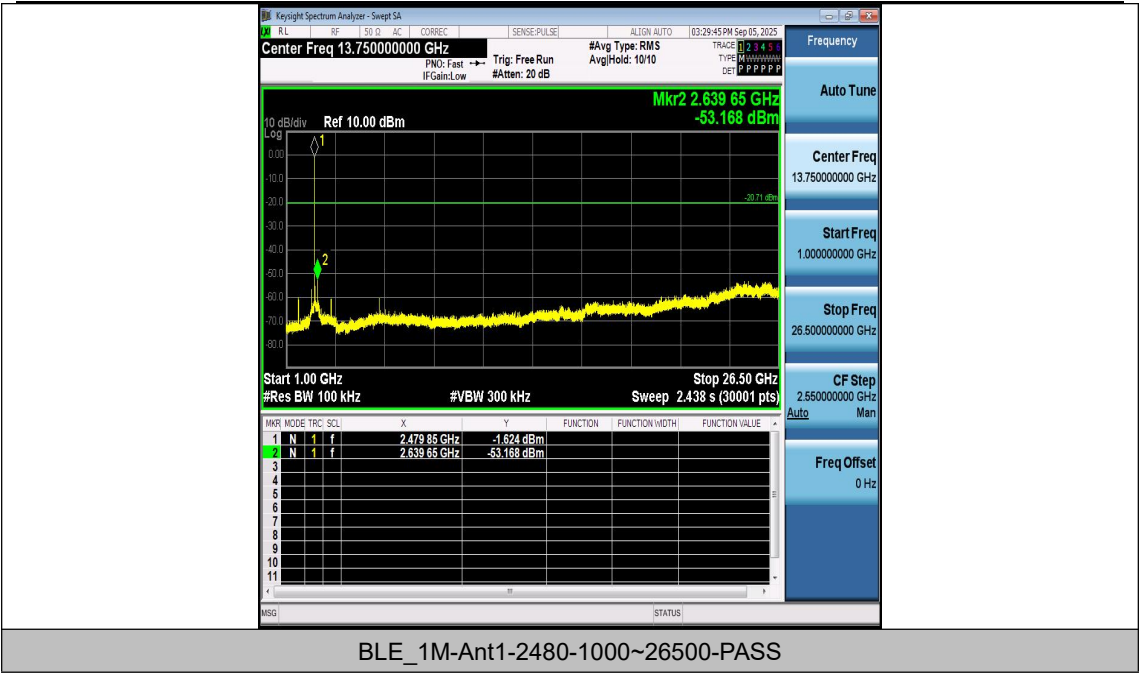
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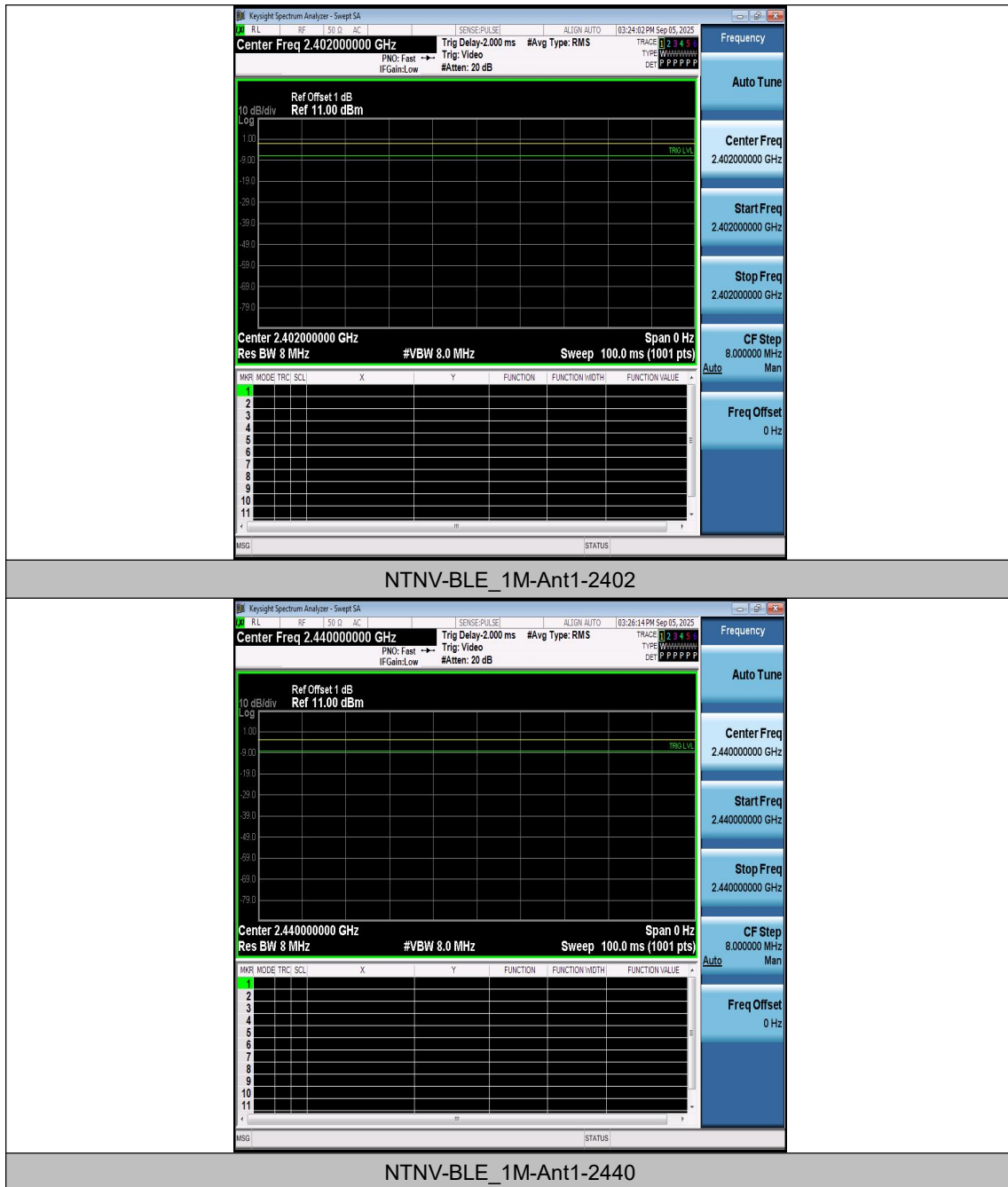
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Appendix G: Duty Cycle

Test Result

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

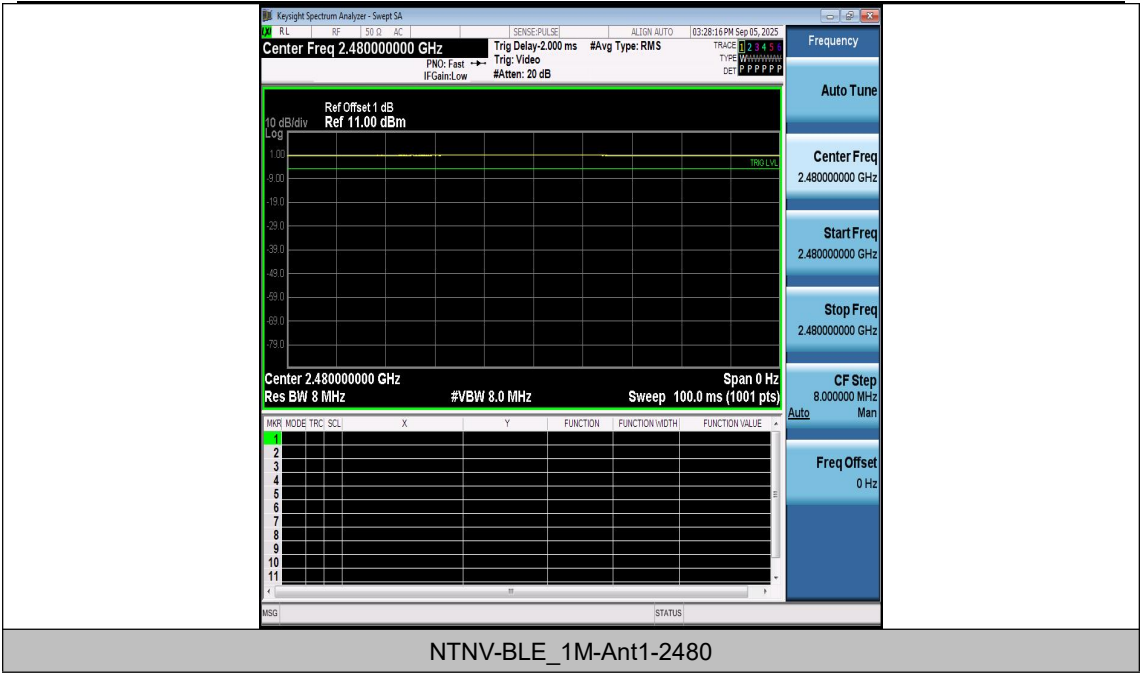
Test Graphs



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