

Appendix Test Data

Report No.:	1812C50648212501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-12-10	Finish Test Date:	2025-12-10
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.3℃	Relative Humidity:	51%
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	0.628	2401.748	2402.376	0.5	PASS
BLE_1M	Ant1	2440	0.592	2439.740	2440.332	0.5	PASS
BLE_1M	Ant1	2480	0.592	2479.740	2480.332	0.5	PASS

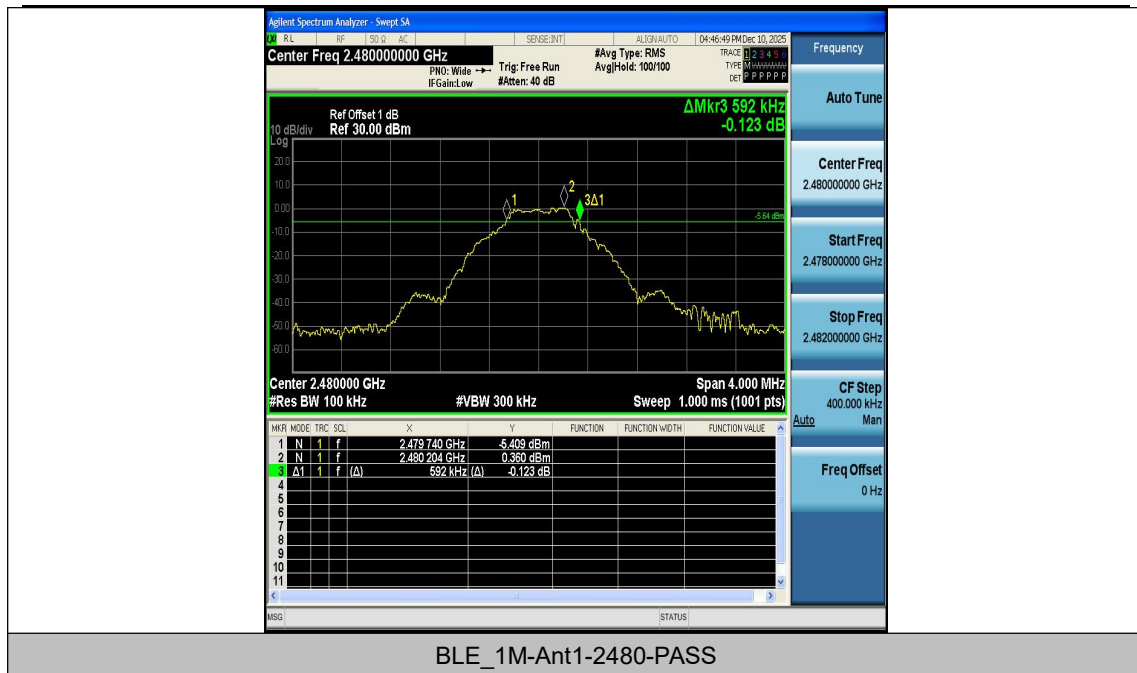
Test Graphs



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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	0.94172	2401.5359	2402.4777	---	---
BLE_1M	Ant1	2440	0.93408	2439.5382	2440.4723	---	---
BLE_1M	Ant1	2480	0.92538	2479.5400	2480.4653	---	---

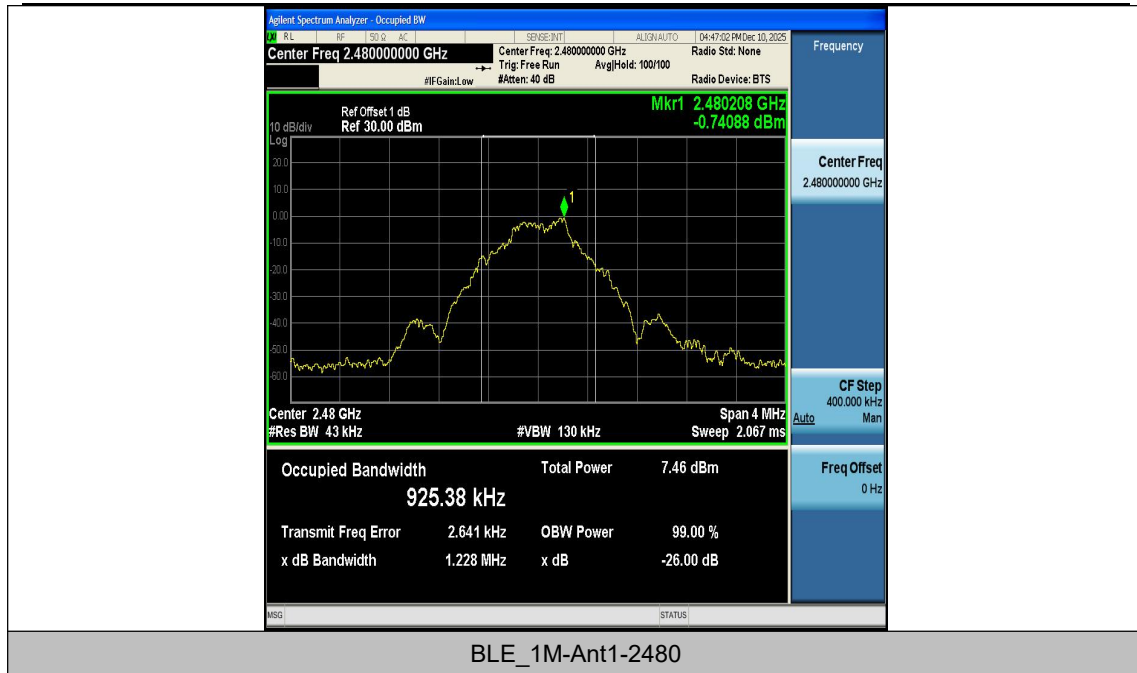
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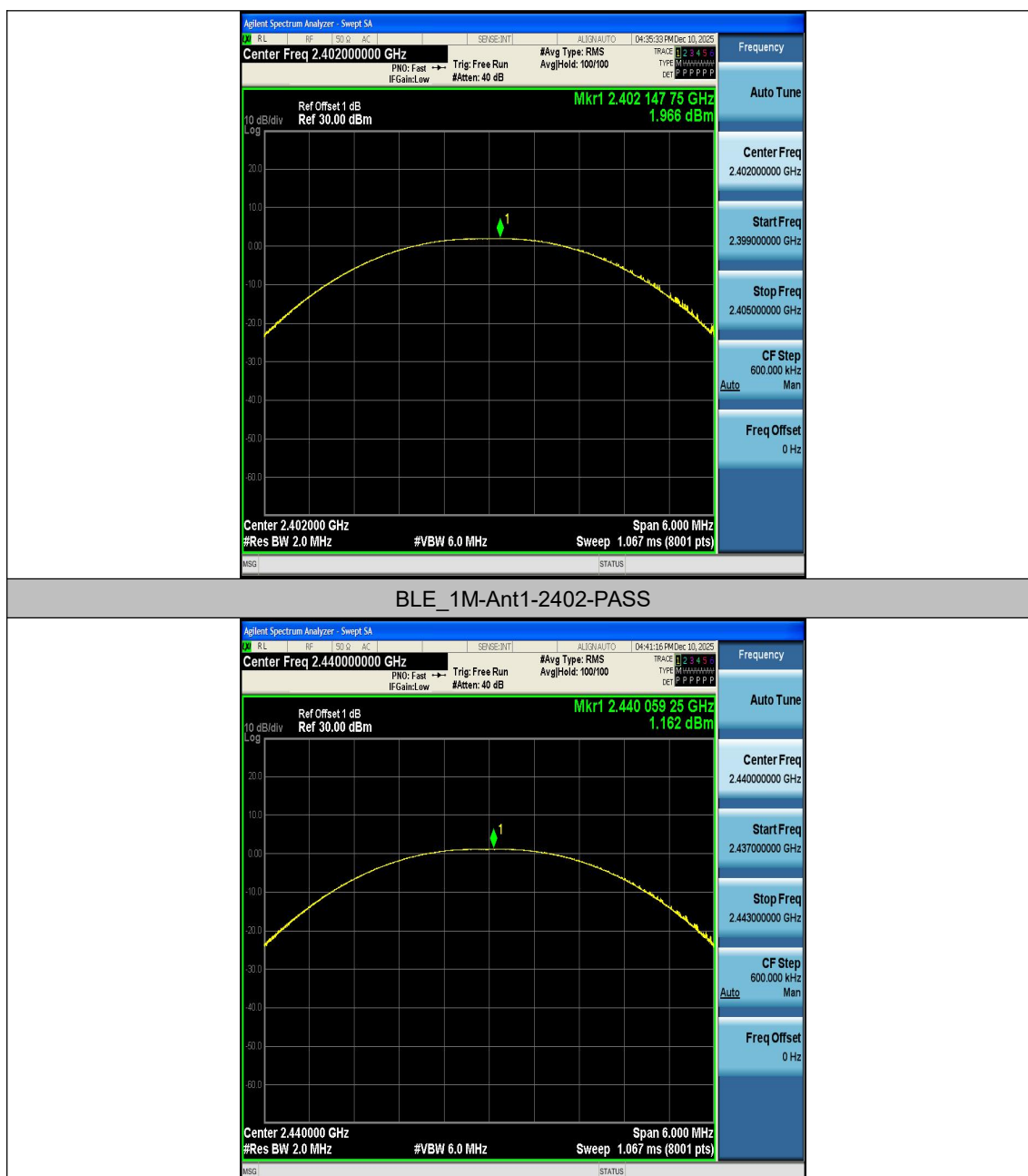
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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.97	≤30	PASS
BLE_1M	Ant1	2440	1.16	≤30	PASS
BLE_1M	Ant1	2480	0.54	≤30	PASS

Test Graphs Peak



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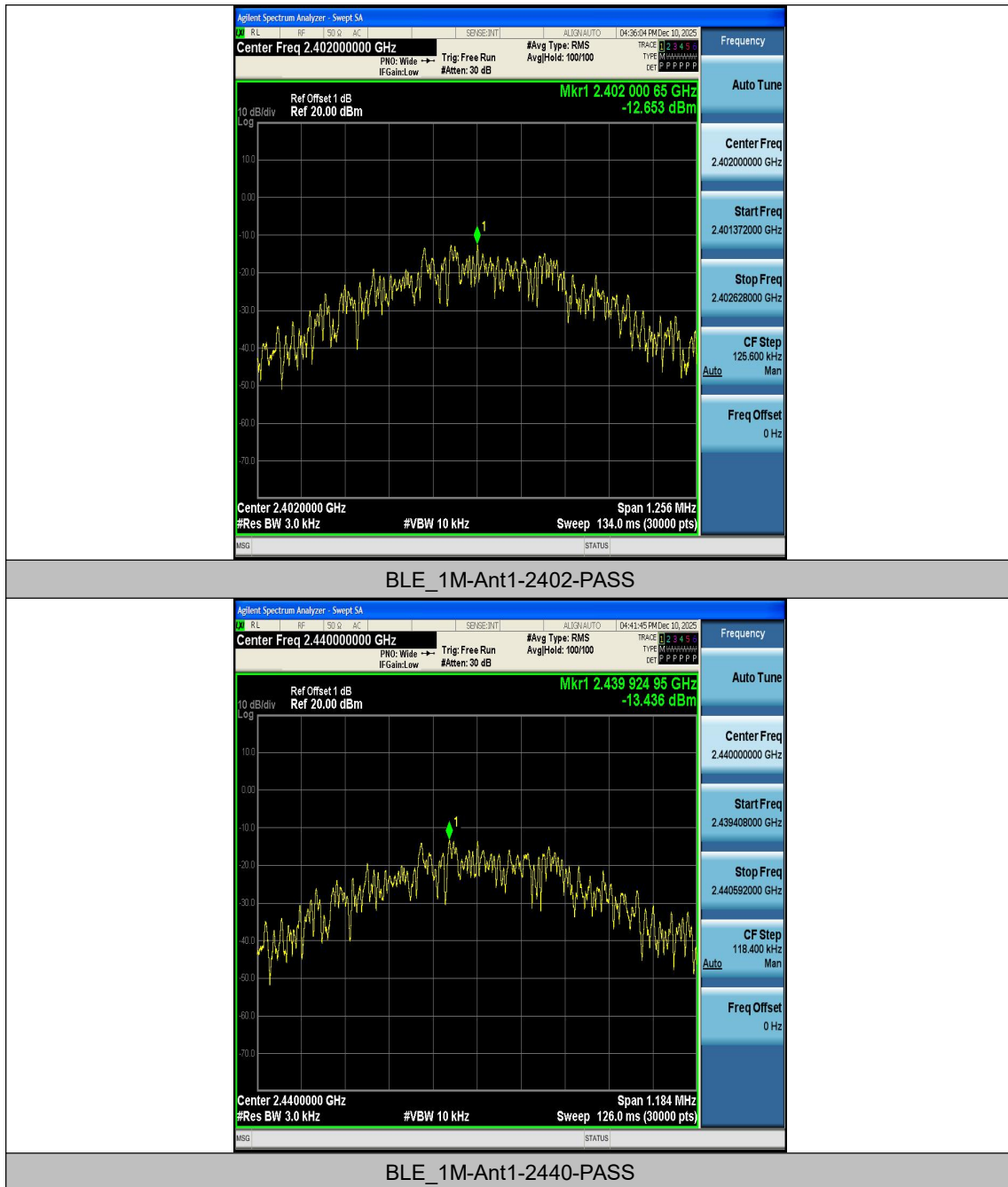
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.65	≤8.00	PASS
BLE_1M	Ant1	2440	-13.44	≤8.00	PASS
BLE_1M	Ant1	2480	-14.16	≤8.00	PASS

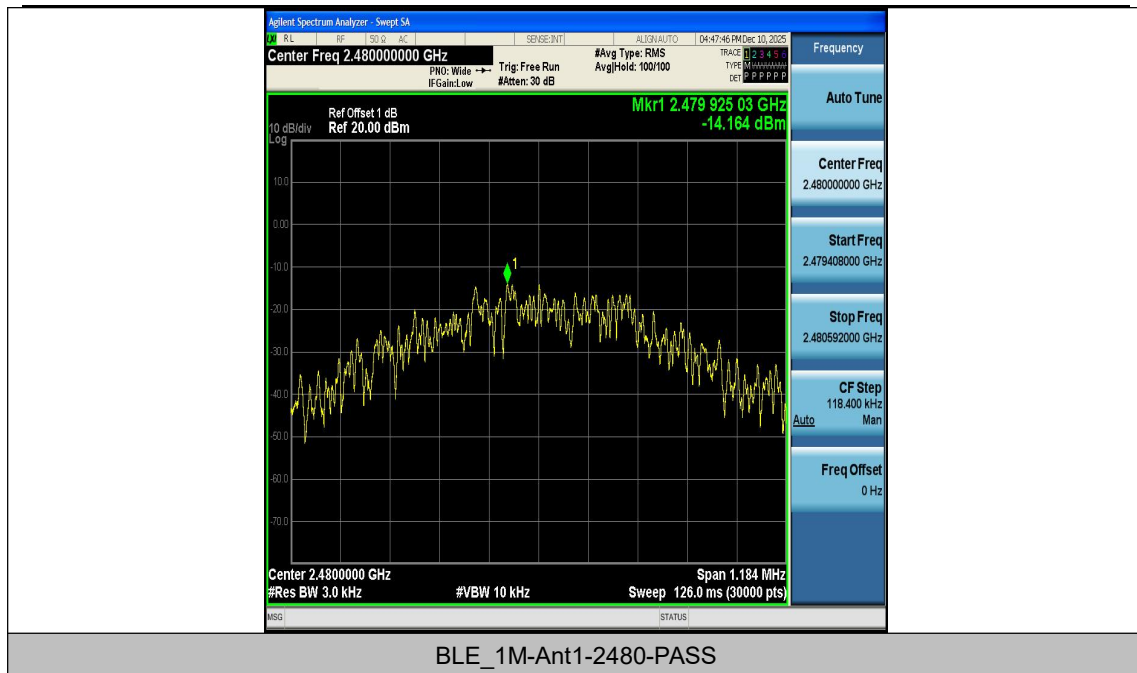
Test Graphs



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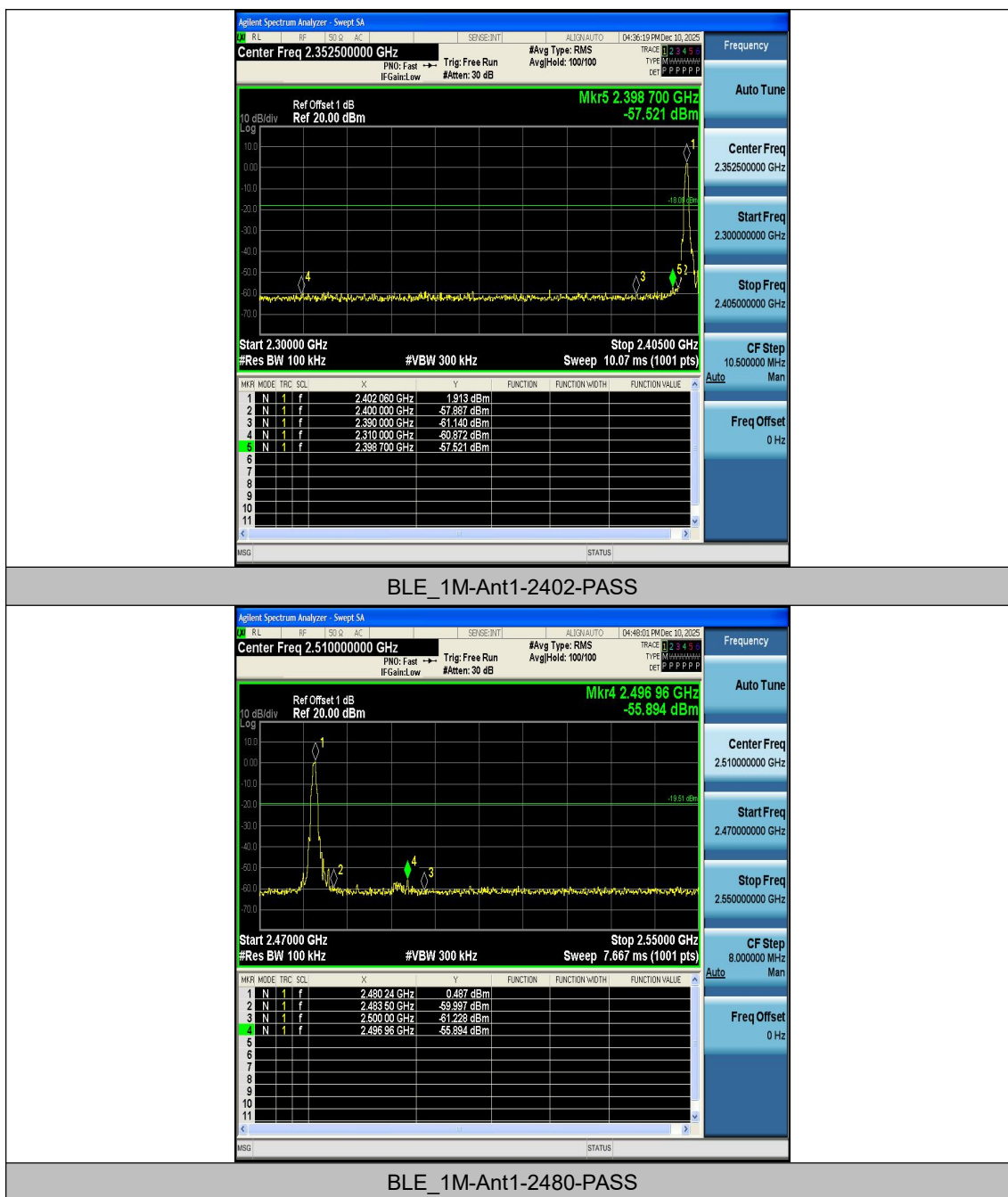
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.91	-57.52	≤-18.09	PASS
BLE_1M	Ant1	High	2480	0.49	-55.89	≤-19.51	PASS

Test Graphs



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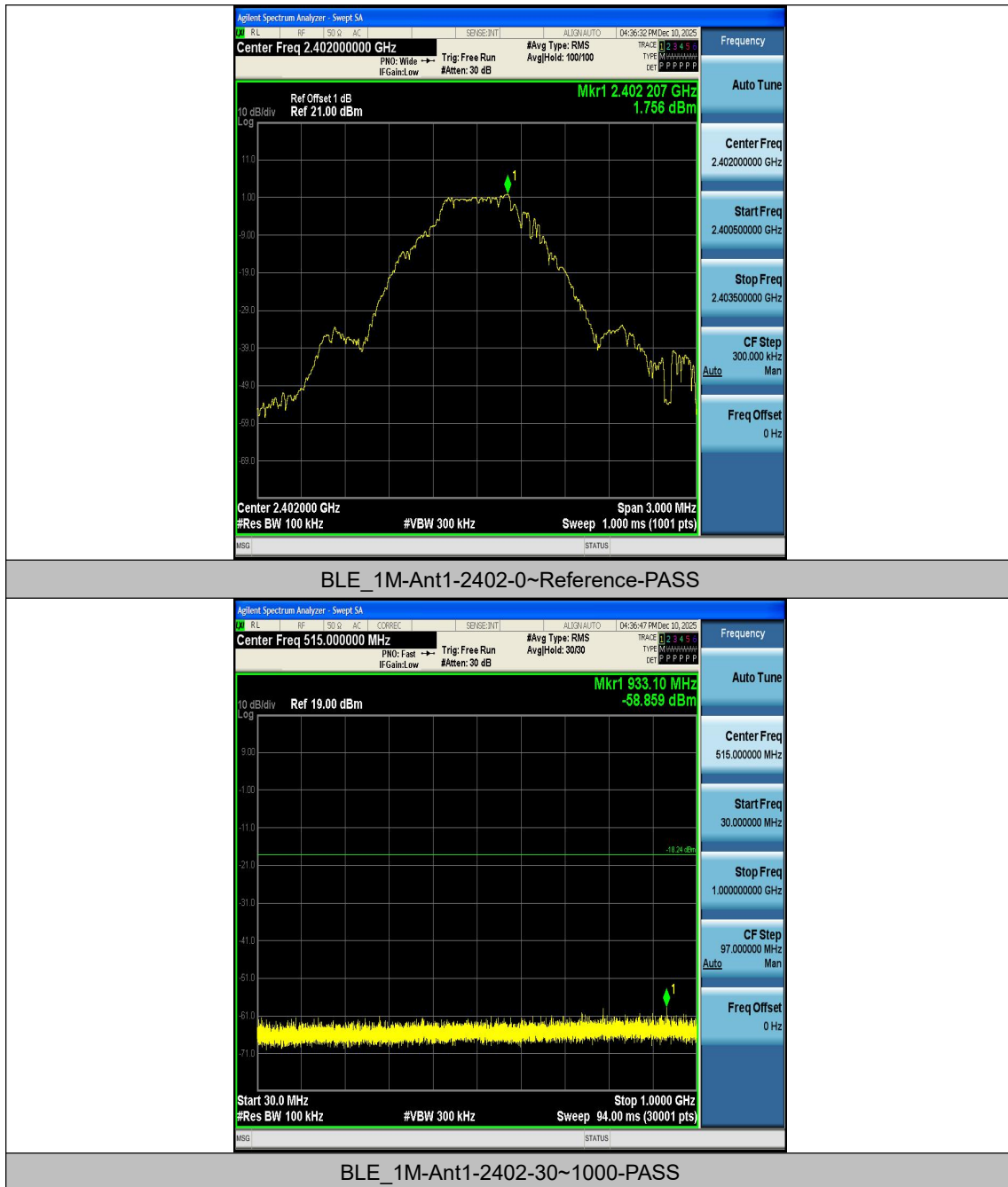
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	1.76	1.76	---	PASS
BLE_1M	Ant1	2402	30~1000	1.76	-58.86	≤-18.24	PASS
BLE_1M	Ant1	2402	1000~26500	1.76	-46.02	≤-18.24	PASS
BLE_1M	Ant1	2440	0~Reference	1.09	1.09	---	PASS
BLE_1M	Ant1	2440	30~1000	1.09	-58.99	≤-18.91	PASS
BLE_1M	Ant1	2440	1000~26500	1.09	-45.81	≤-18.91	PASS
BLE_1M	Ant1	2480	0~Reference	0.45	0.45	---	PASS
BLE_1M	Ant1	2480	30~1000	0.45	-59.88	≤-19.55	PASS
BLE_1M	Ant1	2480	1000~26500	0.45	-45.53	≤-19.55	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.

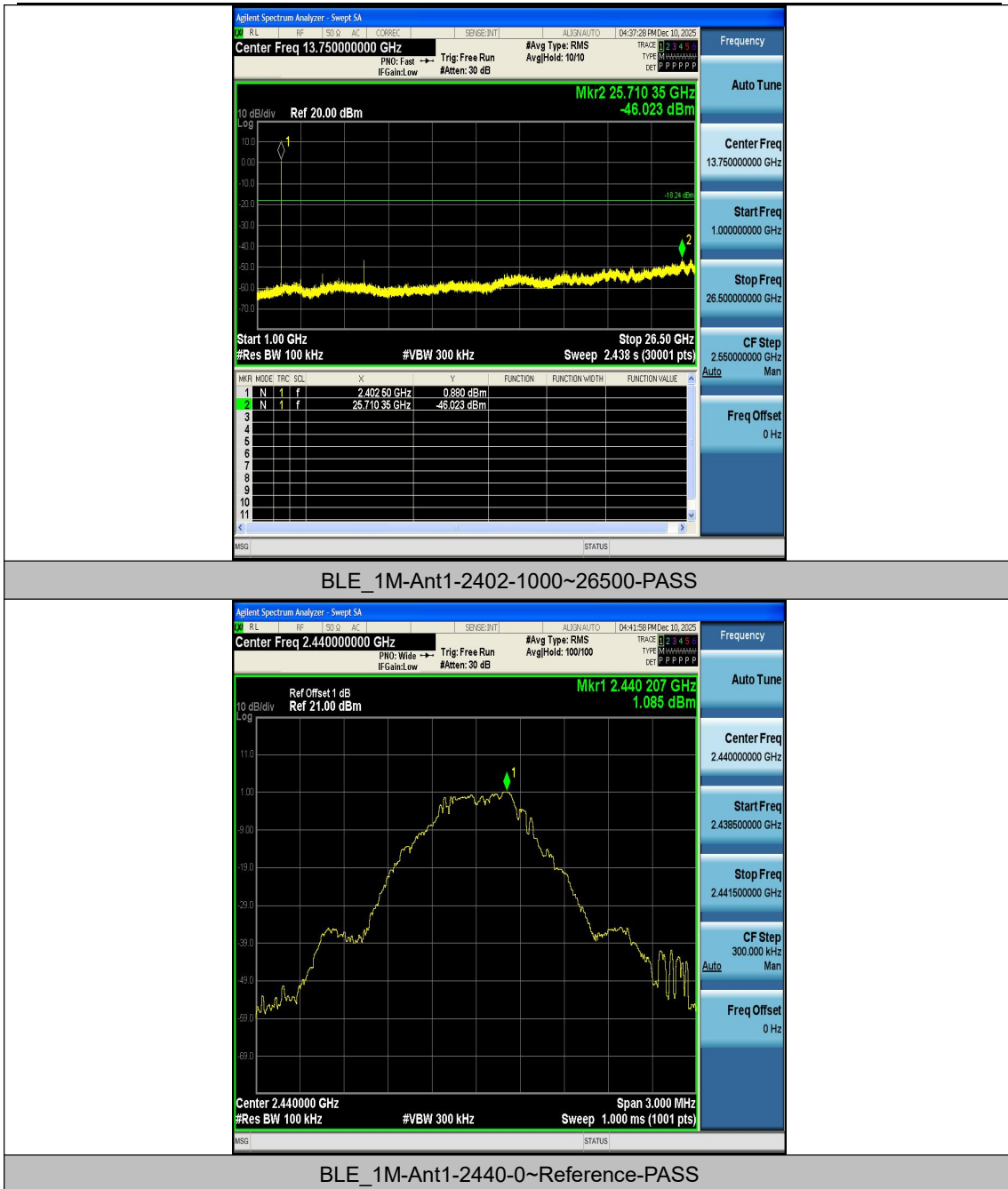
Test Graphs



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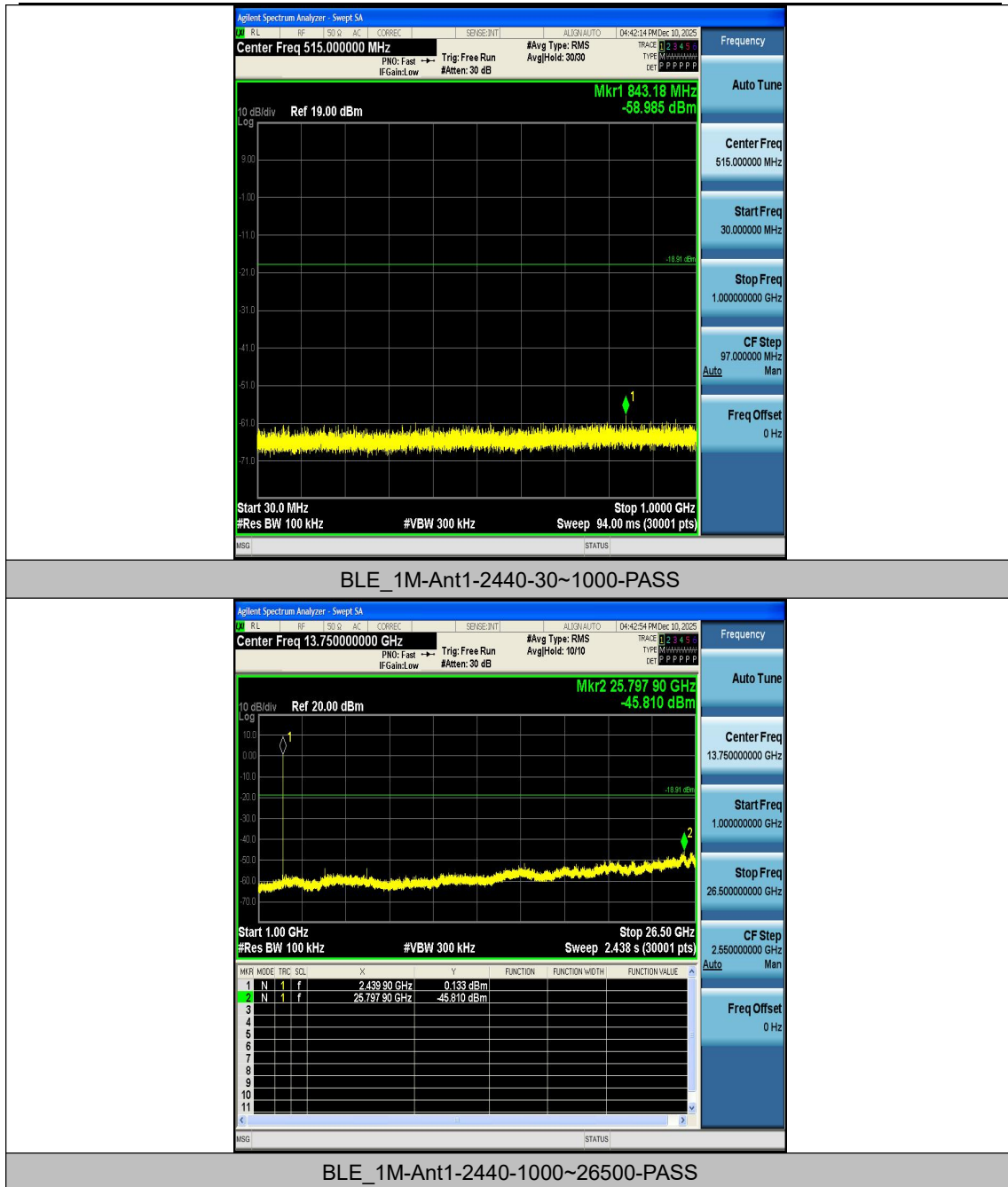
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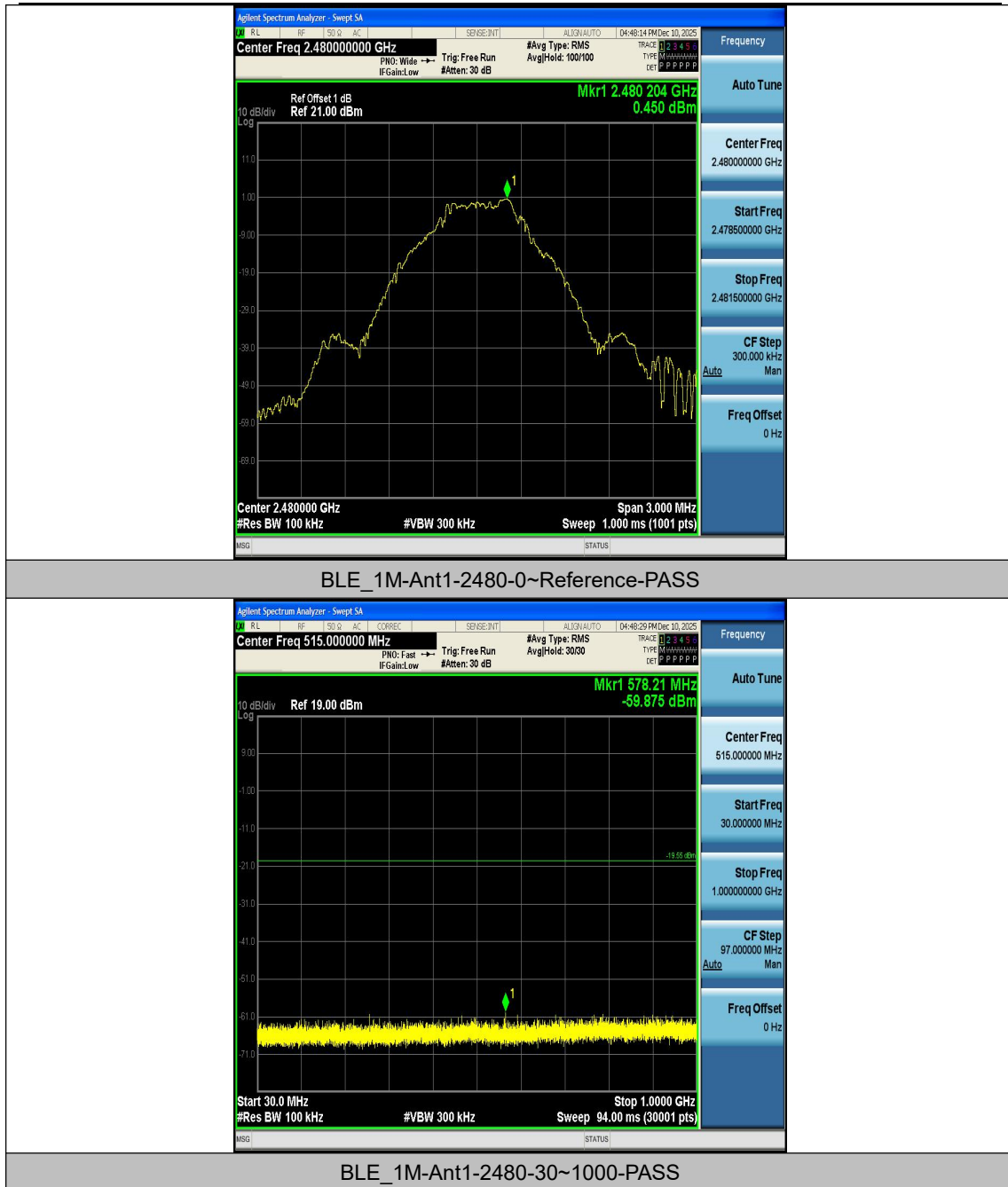
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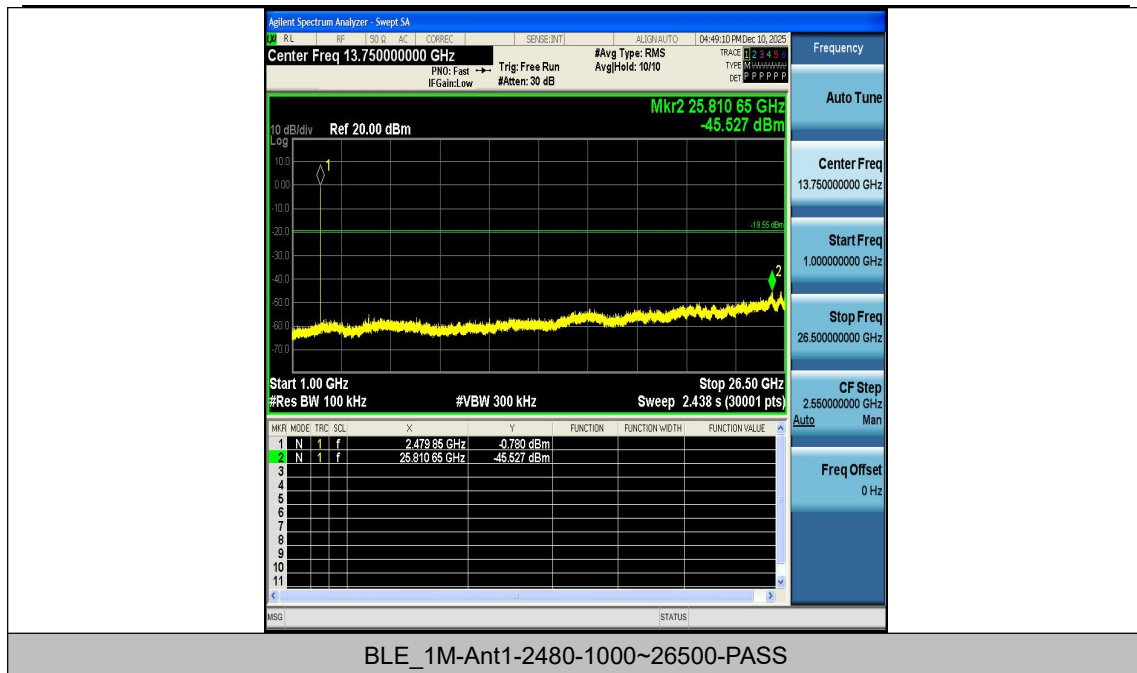
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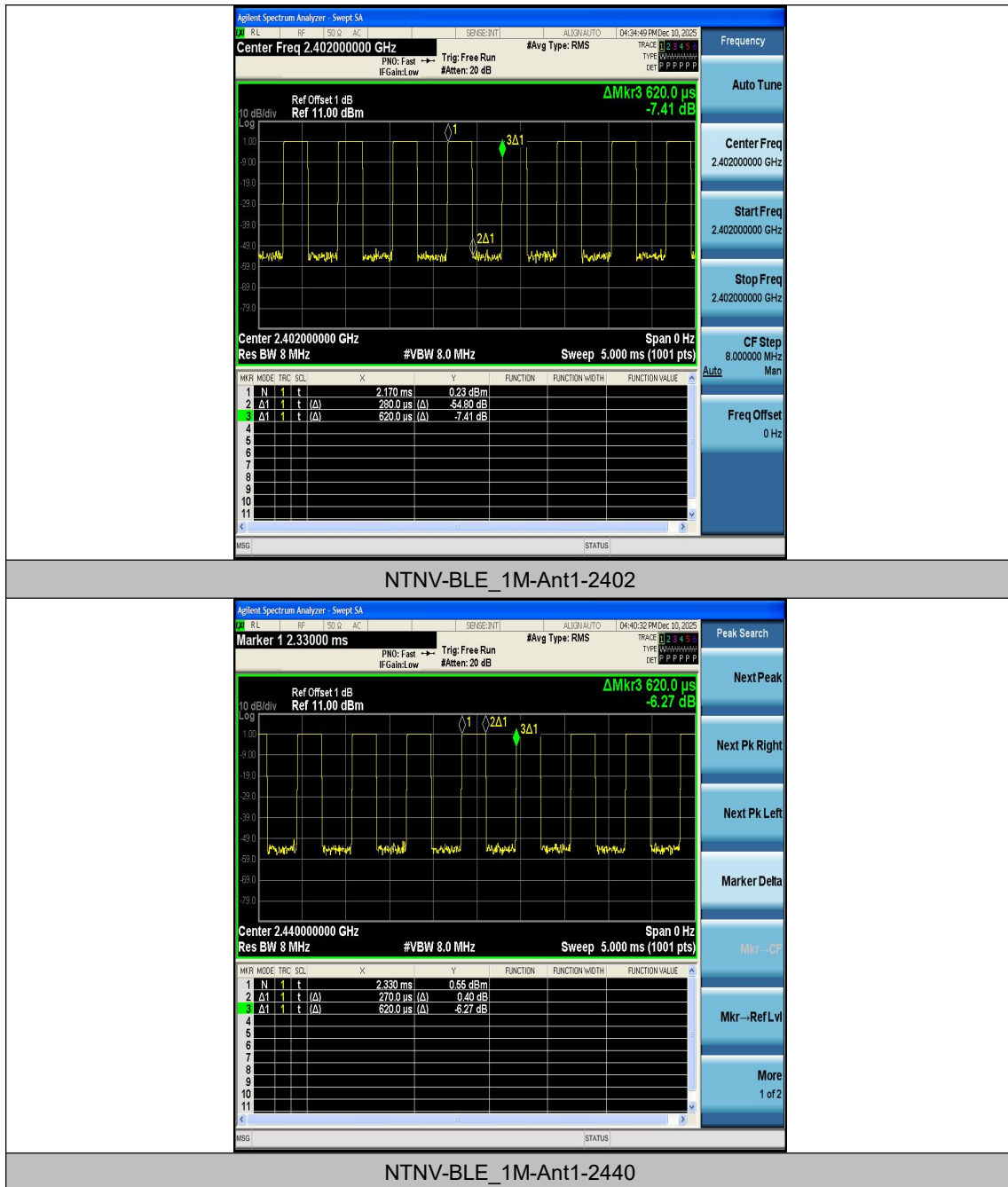
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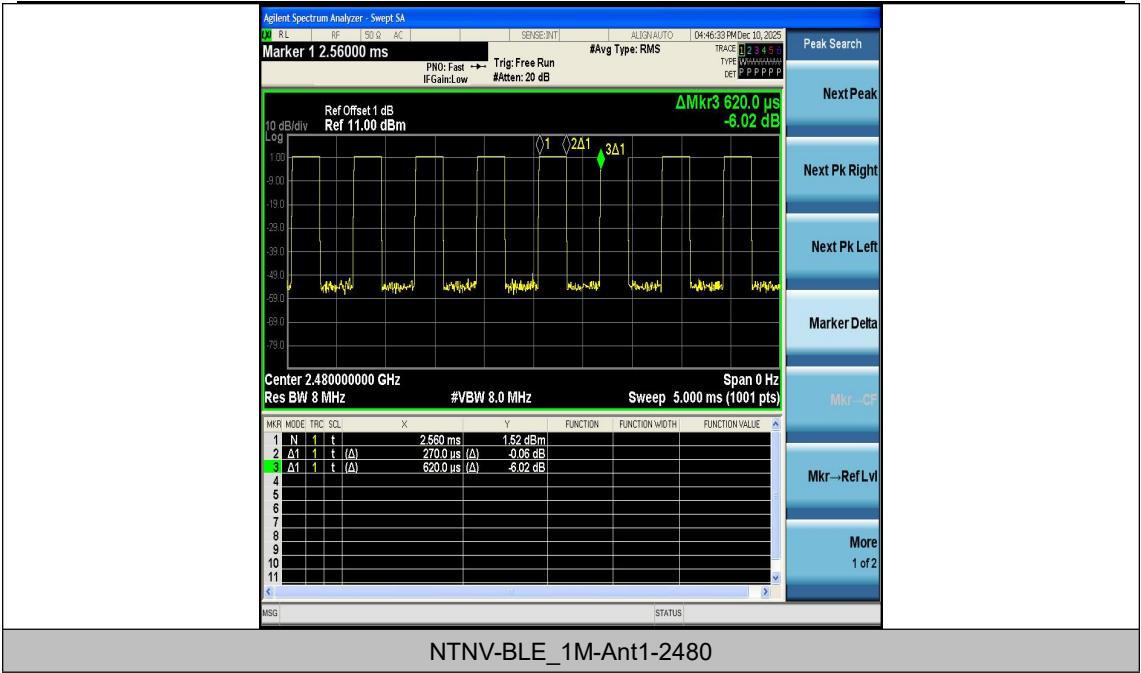
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.28	0.62	45.16	3.45
BLE_1M	Ant1	2440	0.27	0.62	43.55	3.61
BLE_1M	Ant1	2480	0.27	0.62	43.55	3.61

Test Graphs





NTNV-BLE_1M-Ant1-2480

---End---