

Appendix Test Data

Report No.:	1812C50510712501	Test Sample No.:	1-2-2
Start Test Date:	2025-10-14	Finish Test Date:	2025-10-15
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.4℃	Relative Humidity:	64%
Pressure:	101kPa		

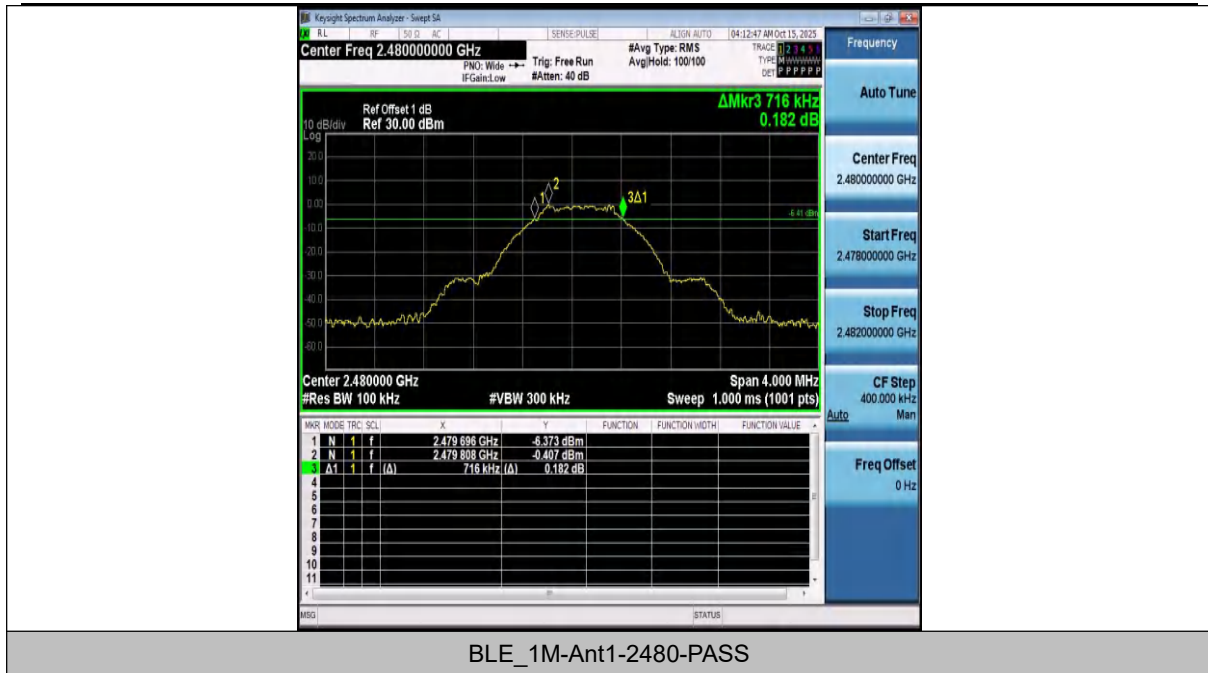
Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.664	2401.724	2402.388	0.5	PASS
BLE_1M	Ant1	2440	0.692	2439.712	2440.404	0.5	PASS
BLE_1M	Ant1	2480	0.716	2479.696	2480.412	0.5	PASS

Test Graphs





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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	1.0276	2401.5444	2402.5720	---	---
BLE_1M	Ant1	2440	1.0281	2439.5455	2440.5736	---	---
BLE_1M	Ant1	2480	1.0379	2479.5413	2480.5792	---	---

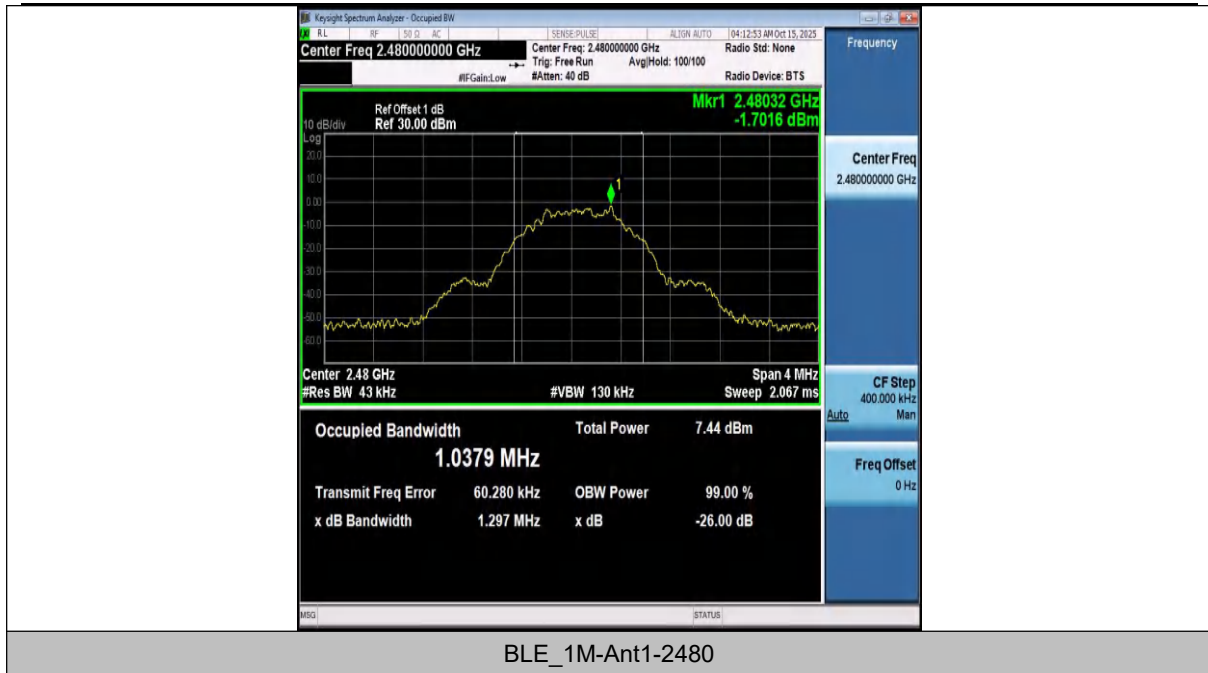
Test Graphs



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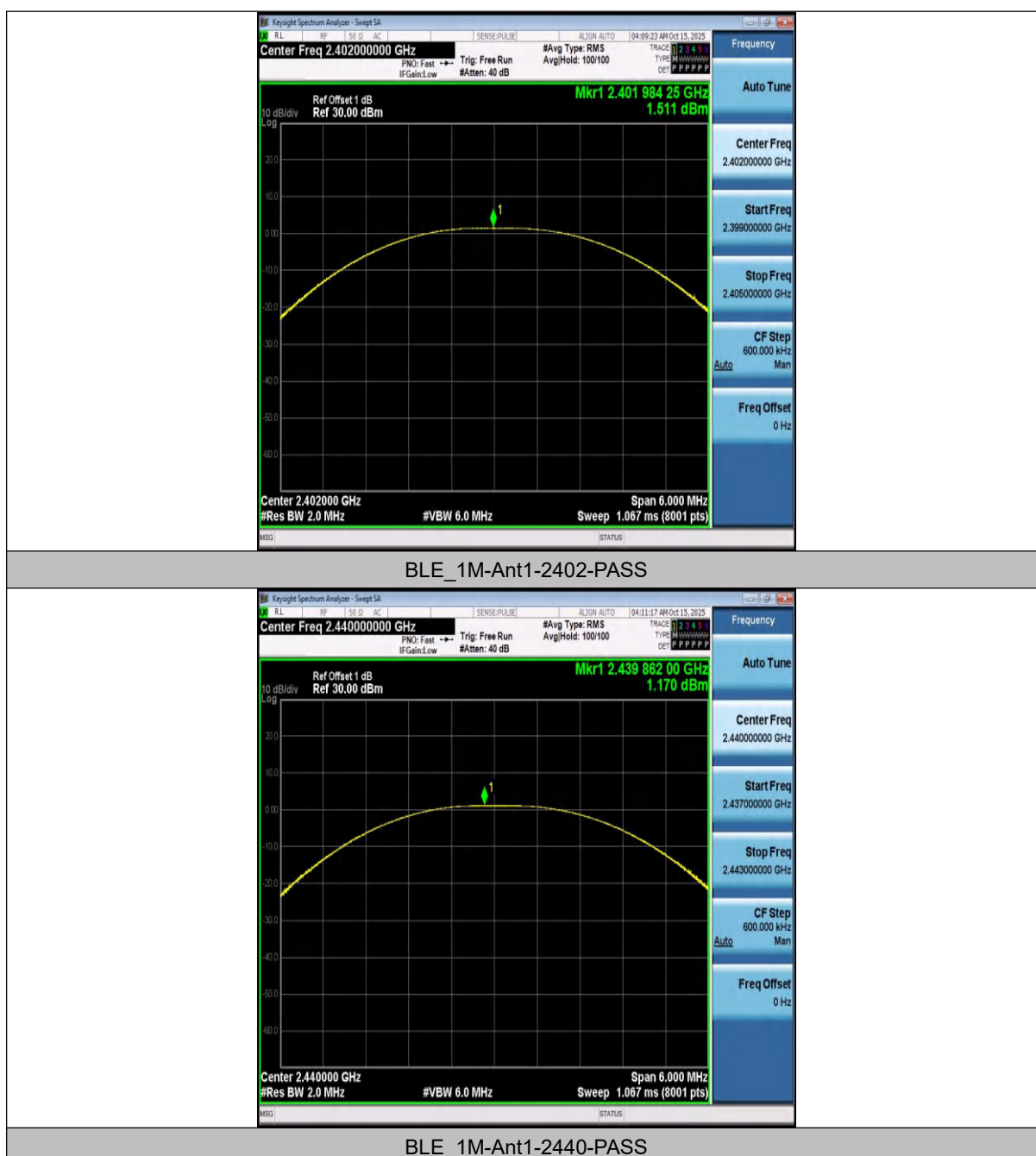
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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.51	≤30	PASS
BLE_1M	Ant1	2440	1.17	≤30	PASS
BLE_1M	Ant1	2480	0.62	≤30	PASS

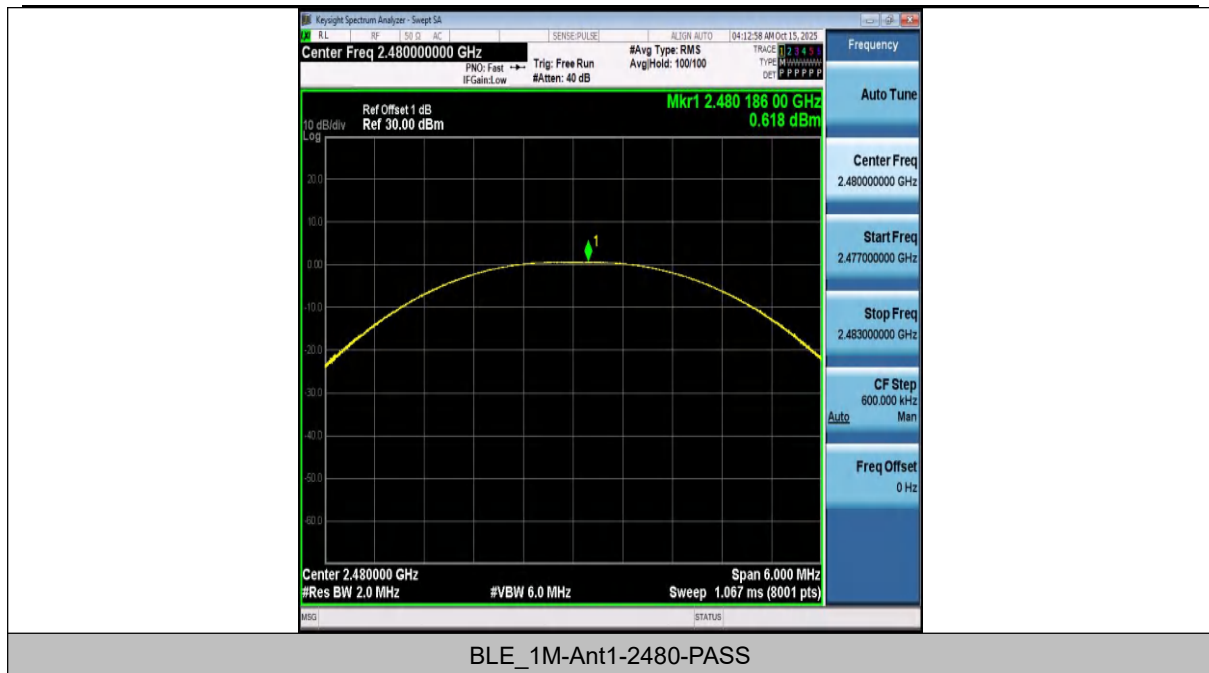
Test Graphs Peak



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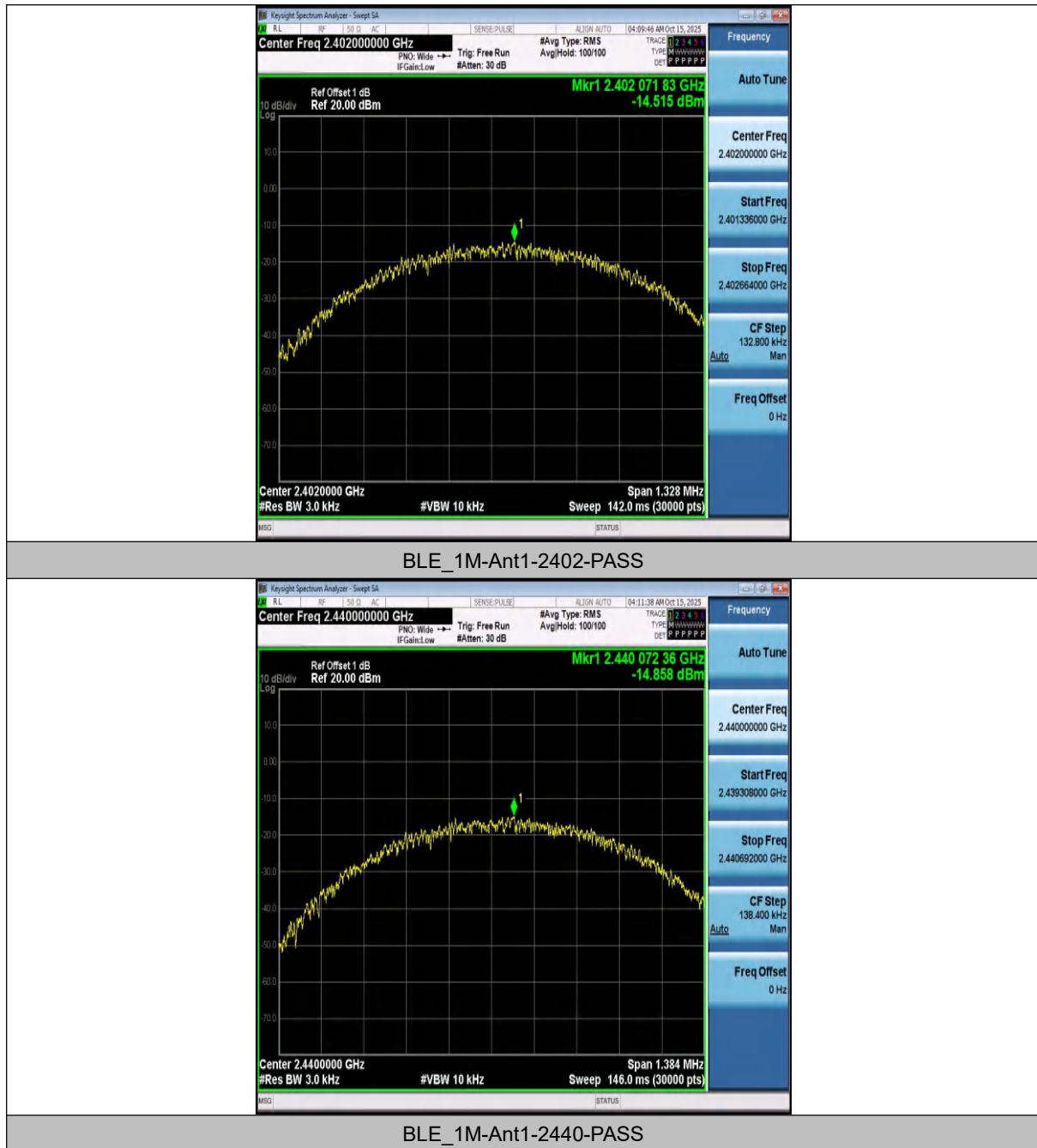
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.52	≤8.00	PASS
BLE_1M	Ant1	2440	-14.86	≤8.00	PASS
BLE_1M	Ant1	2480	-15.32	≤8.00	PASS

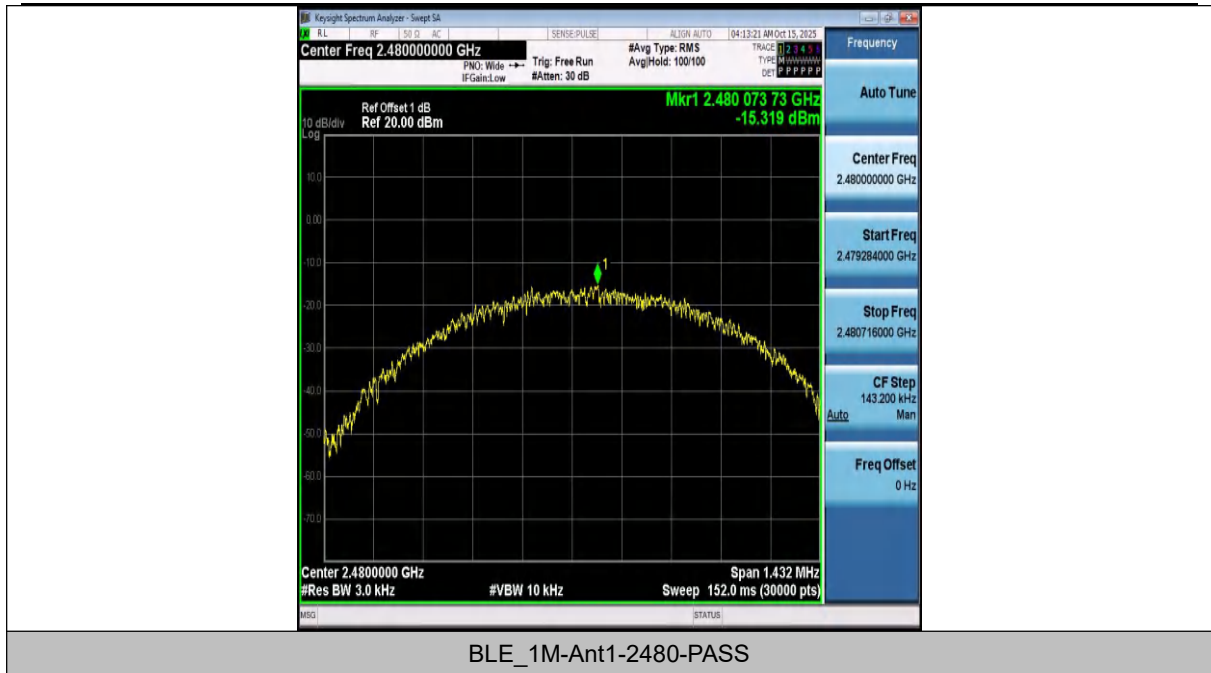
Test Graphs



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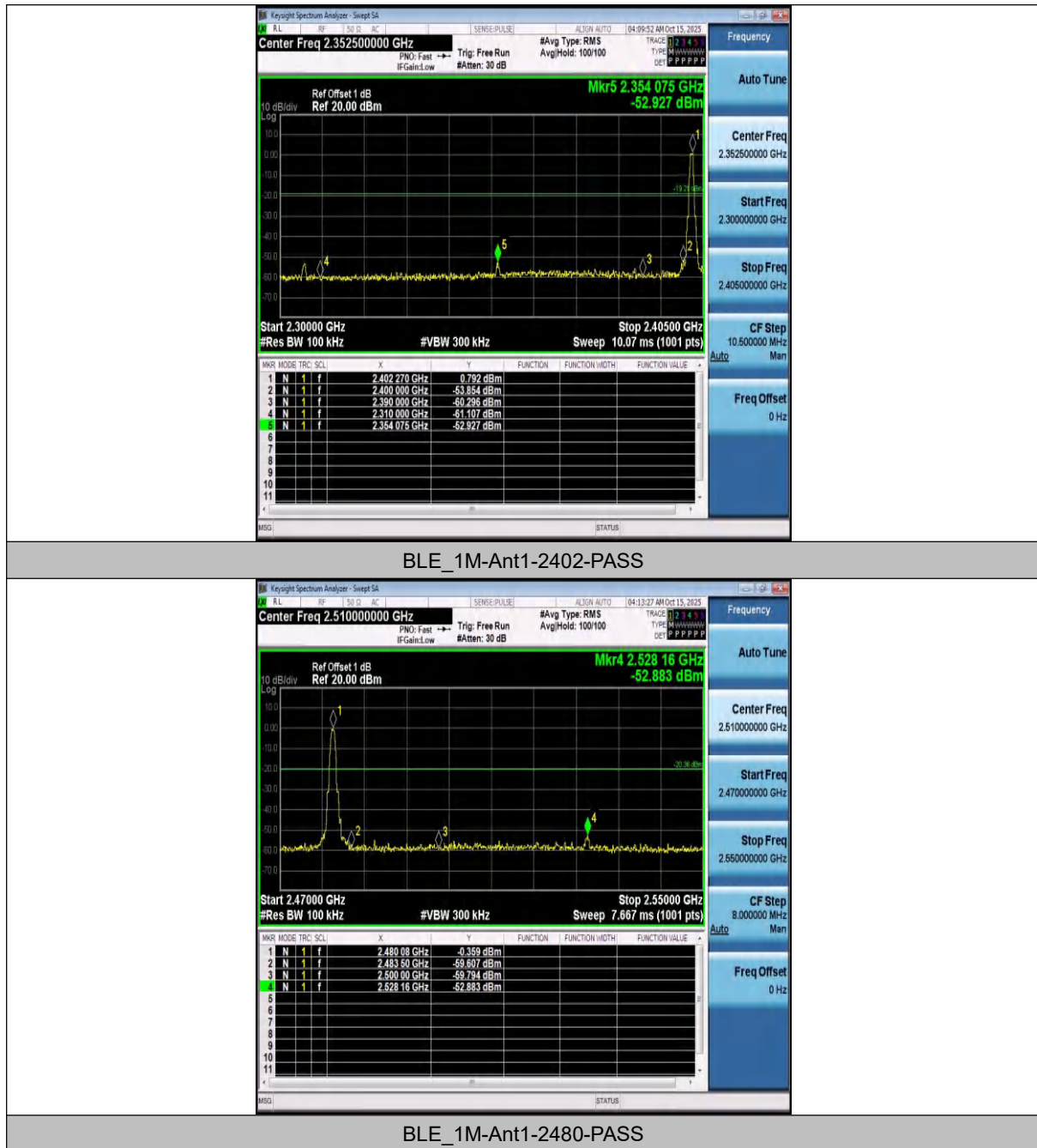
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.79	-52.93	≤-19.21	PASS
BLE_1M	Ant1	High	2480	-0.36	-52.88	≤-20.36	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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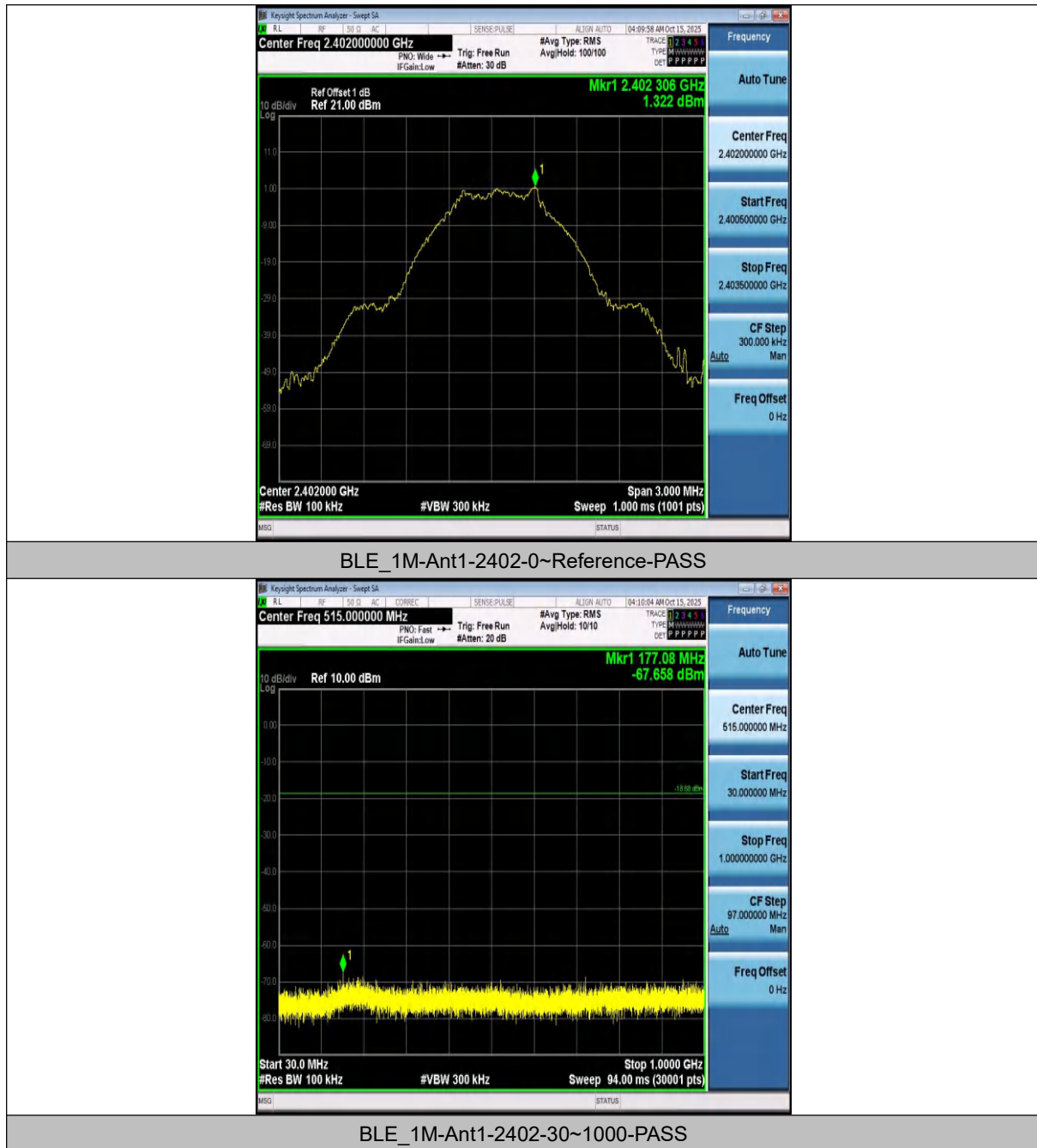
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	1.32	1.32	---	PASS
BLE_1M	Ant1	2402	30~1000	1.32	-67.66	≤-18.68	PASS
BLE_1M	Ant1	2402	1000~26500	1.32	-44.47	≤-18.68	PASS
BLE_1M	Ant1	2440	0~Reference	1.00	1.00	---	PASS
BLE_1M	Ant1	2440	30~1000	1.00	-67.59	≤-19	PASS
BLE_1M	Ant1	2440	1000~26500	1.00	-44.66	≤-19	PASS
BLE_1M	Ant1	2480	0~Reference	-0.05	-0.05	---	PASS
BLE_1M	Ant1	2480	30~1000	-0.05	-68.48	≤-20.05	PASS
BLE_1M	Ant1	2480	1000~26500	-0.05	-45.68	≤-20.05	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

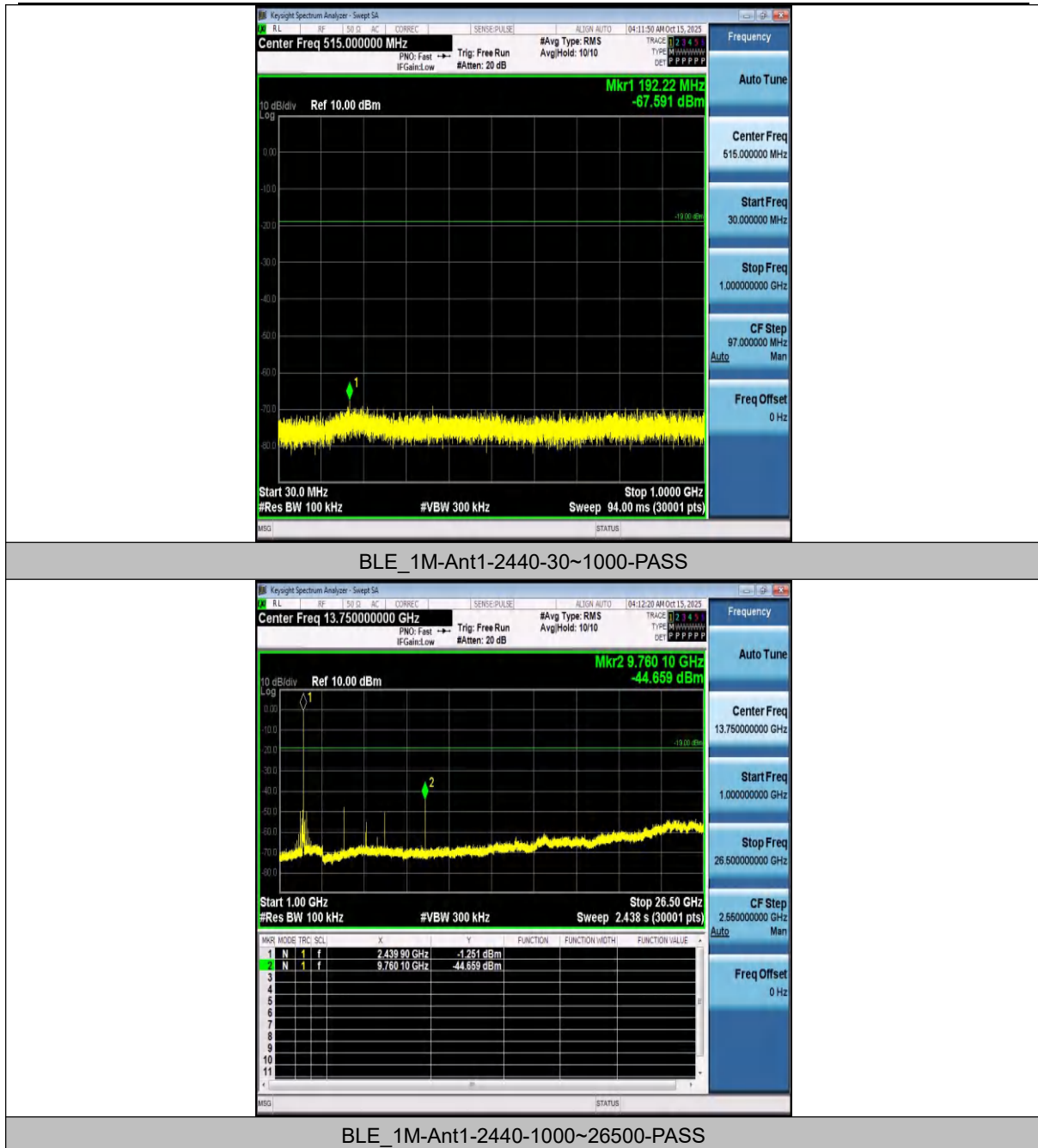


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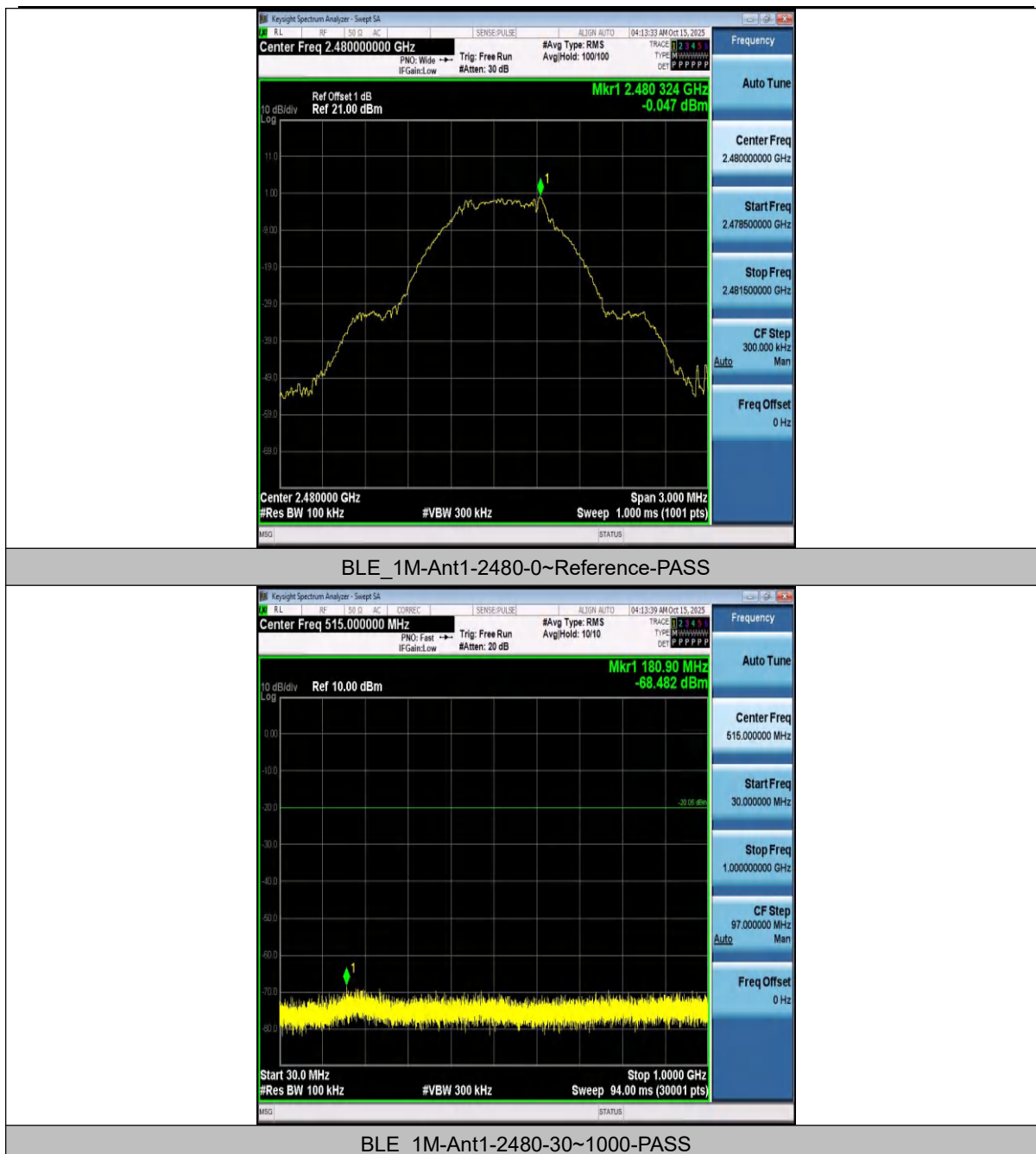




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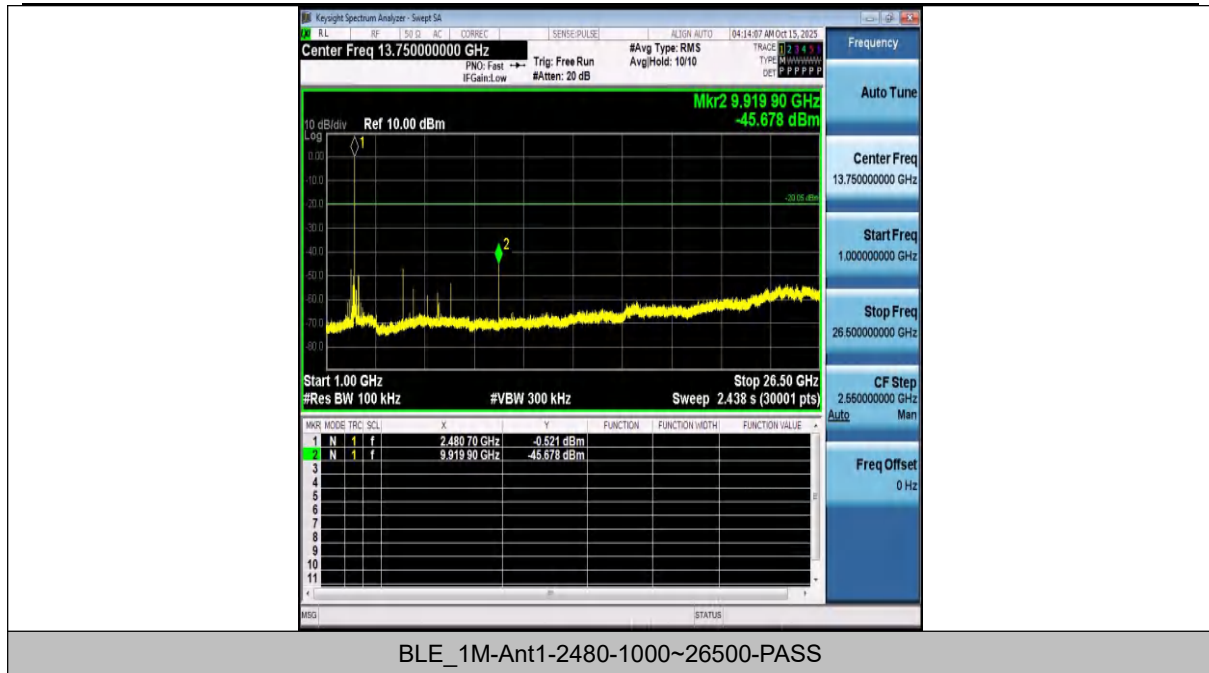
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Appendix G: Duty Cycle

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	2.14	2.50	85.60	0.68

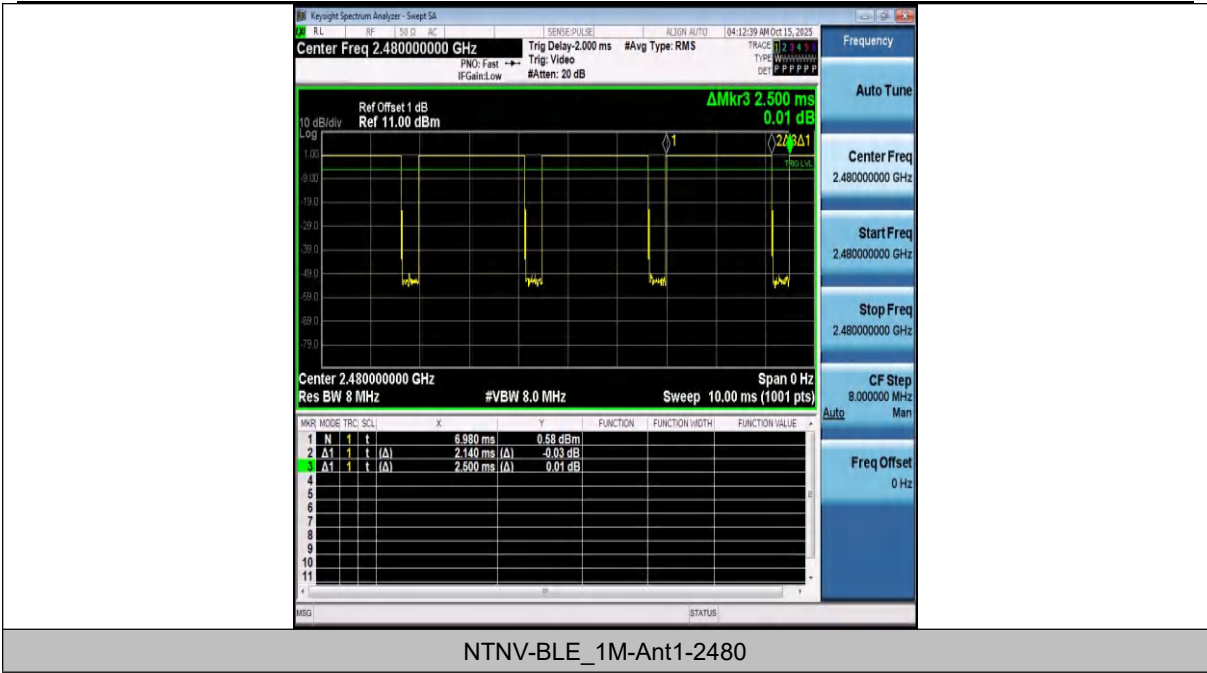
Test Graphs



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