

Appendix Test Data

Report No.:	1812C50529812502-01	Test Sample No.:	1-2-2
Start Test Date:	2025-10-21	Finish Test Date:	2025-10-21
Test Engineer:	Alex Peng	Auditor:	Justin Feng
Temperature:	22°C	Relative Humidity:	53%
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	0.660	2401.668	2402.328	0.5	PASS
BLE_1M	Ant1	2440	0.664	2439.664	2440.328	0.5	PASS
BLE_1M	Ant1	2480	0.648	2479.684	2480.332	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	1.0289	2401.4911	2402.5200	---	---
BLE_1M	Ant1	2440	1.0468	2439.4847	2440.5315	---	---
BLE_1M	Ant1	2480	1.0342	2479.4890	2480.5232	---	---

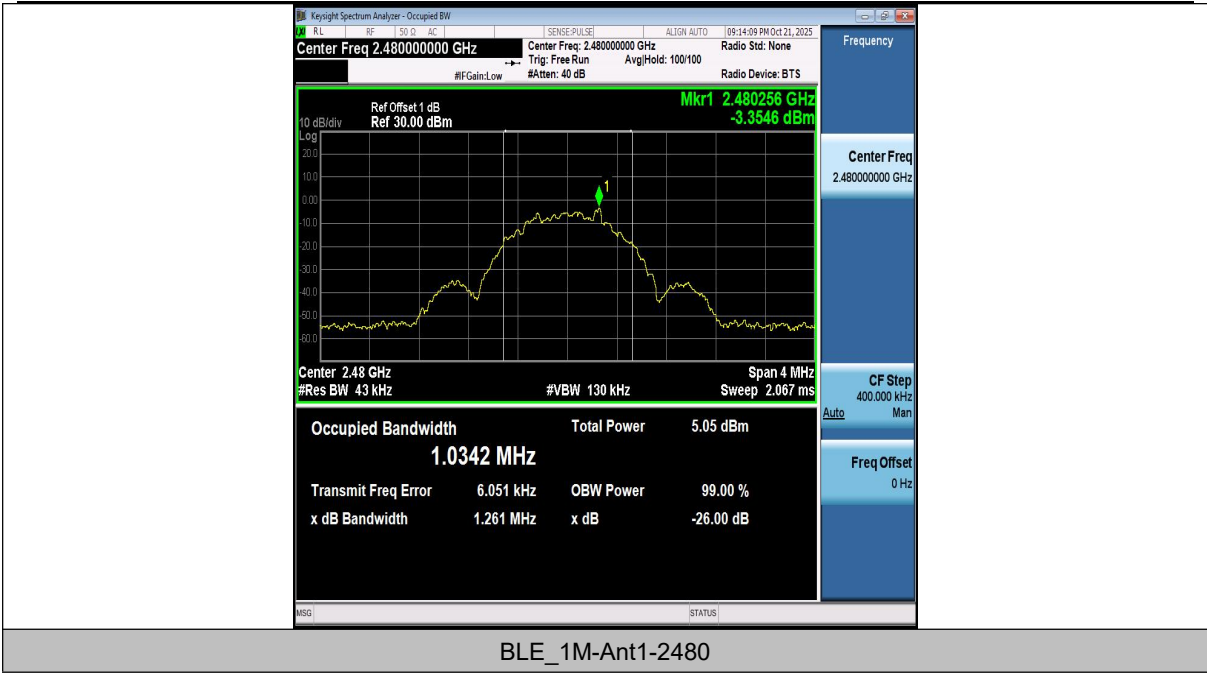
Test Graphs



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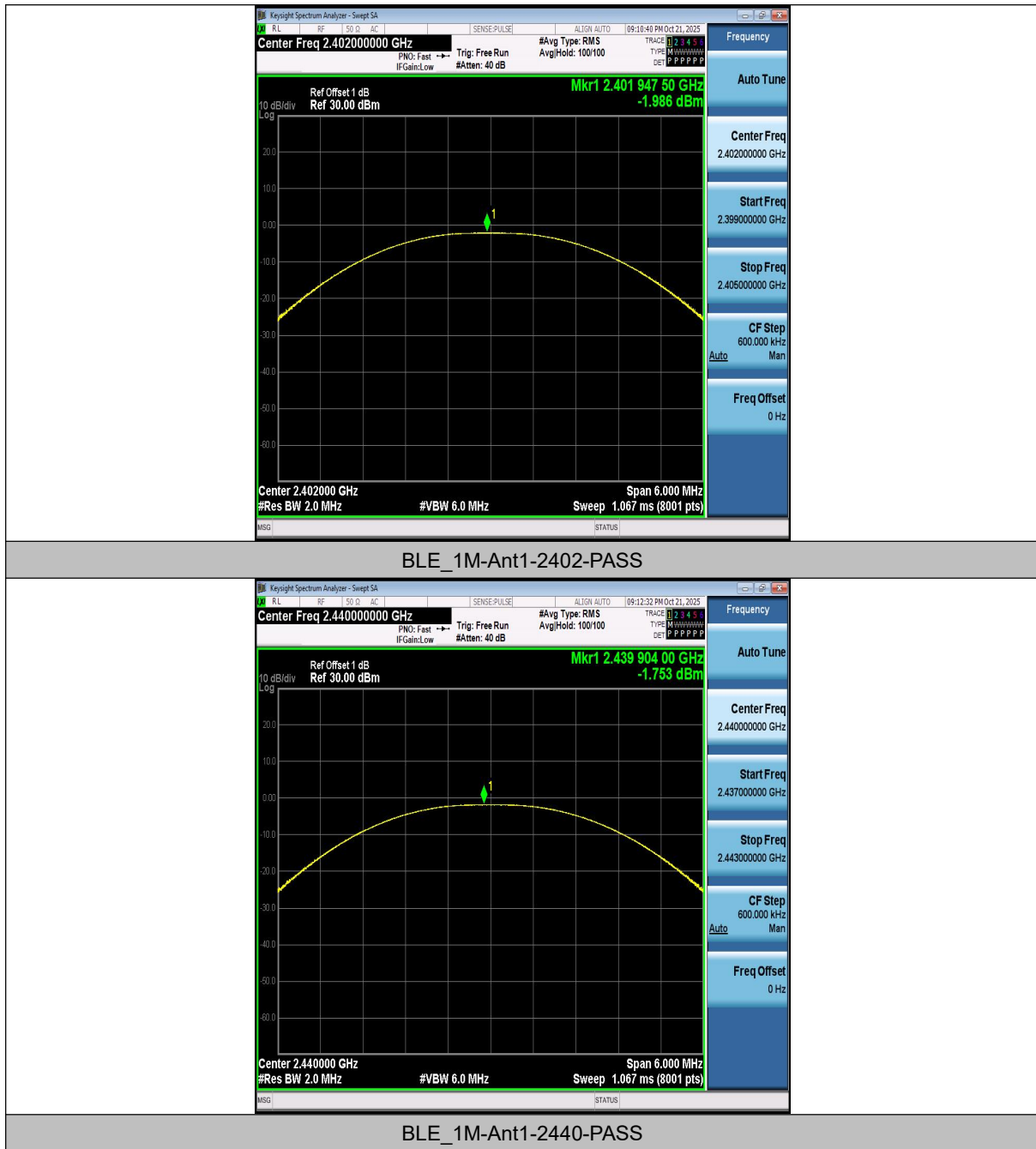
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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-1.99	≤30	PASS
BLE_1M	Ant1	2440	-1.75	≤30	PASS
BLE_1M	Ant1	2480	-1.56	≤30	PASS

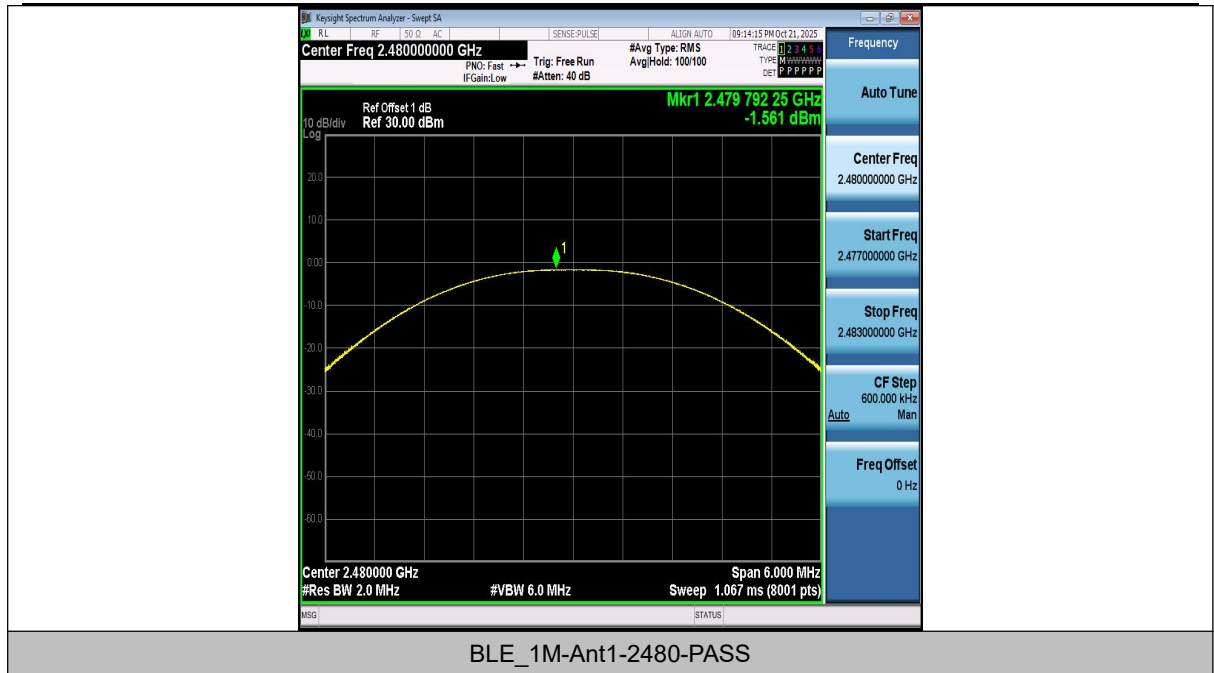
Test Graphs Peak



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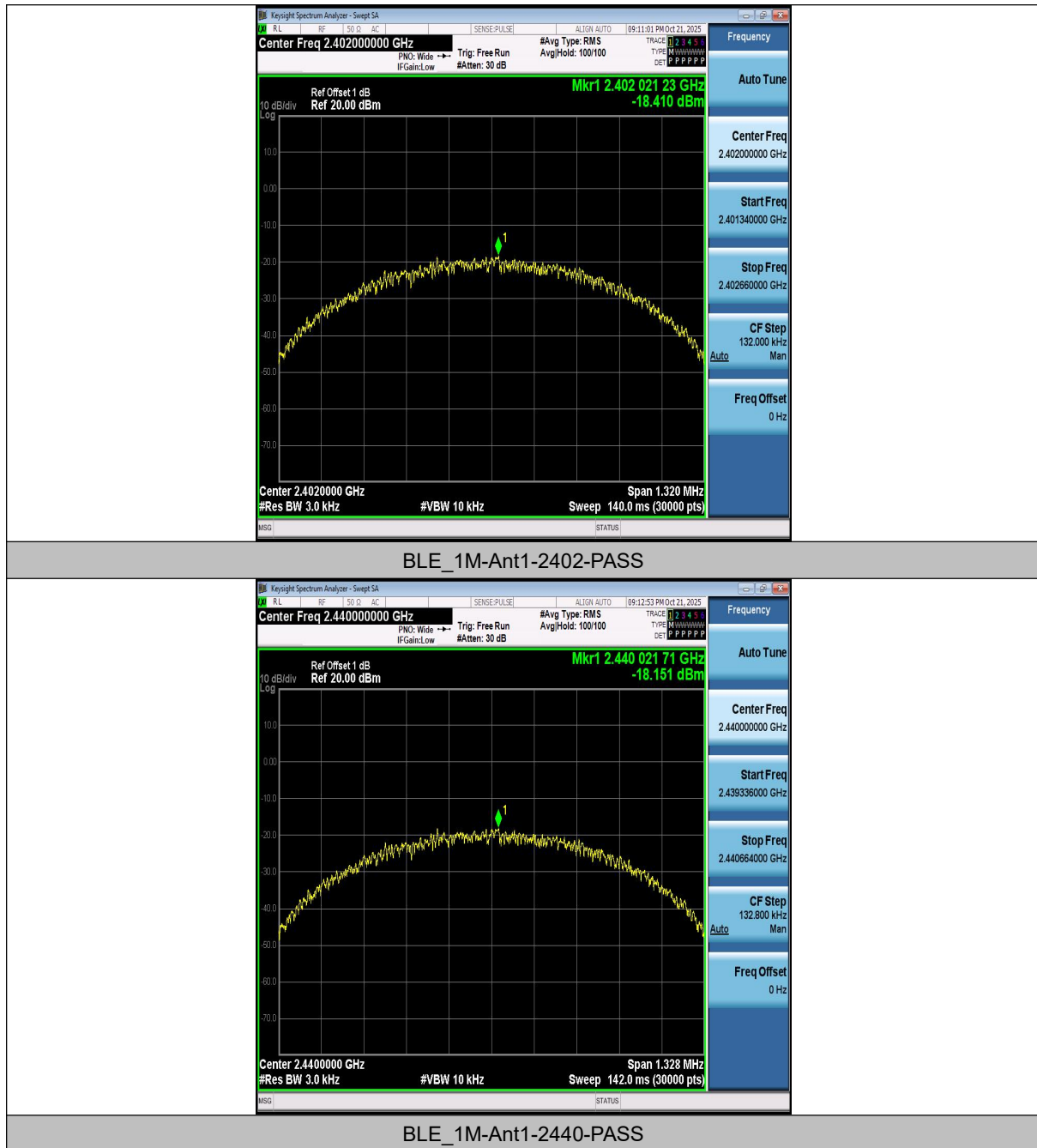
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-18.41	≤8.00	PASS
BLE_1M	Ant1	2440	-18.15	≤8.00	PASS
BLE_1M	Ant1	2480	-17.81	≤8.00	PASS

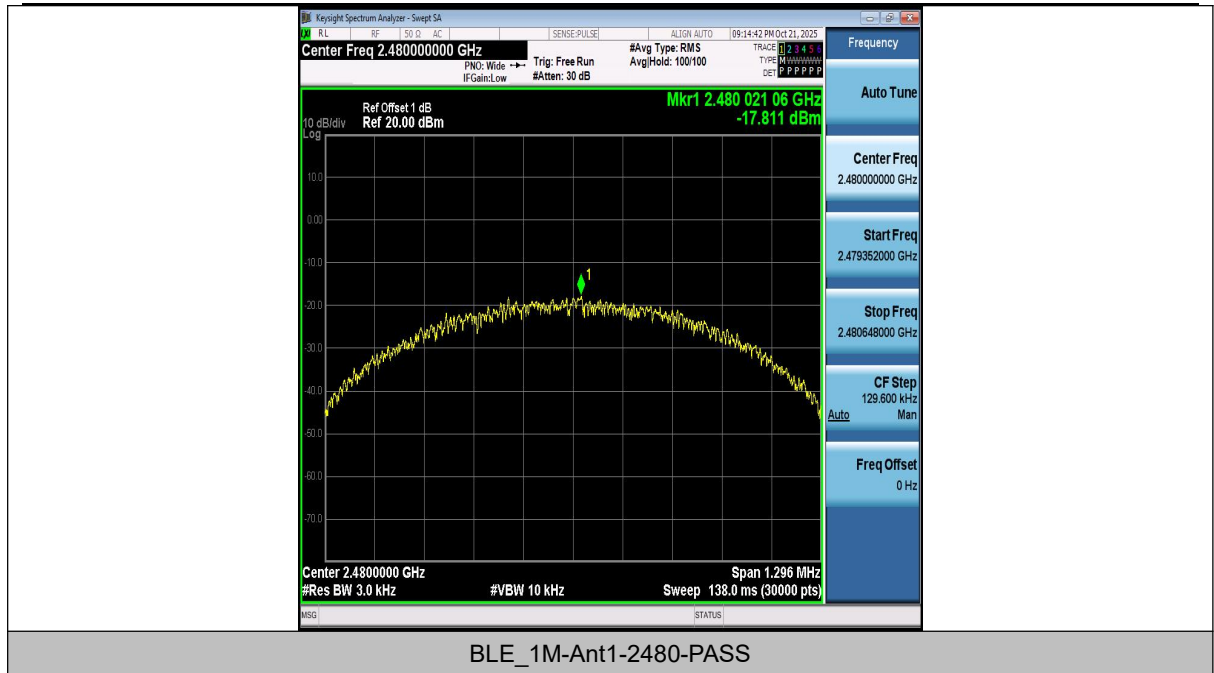
Test Graphs



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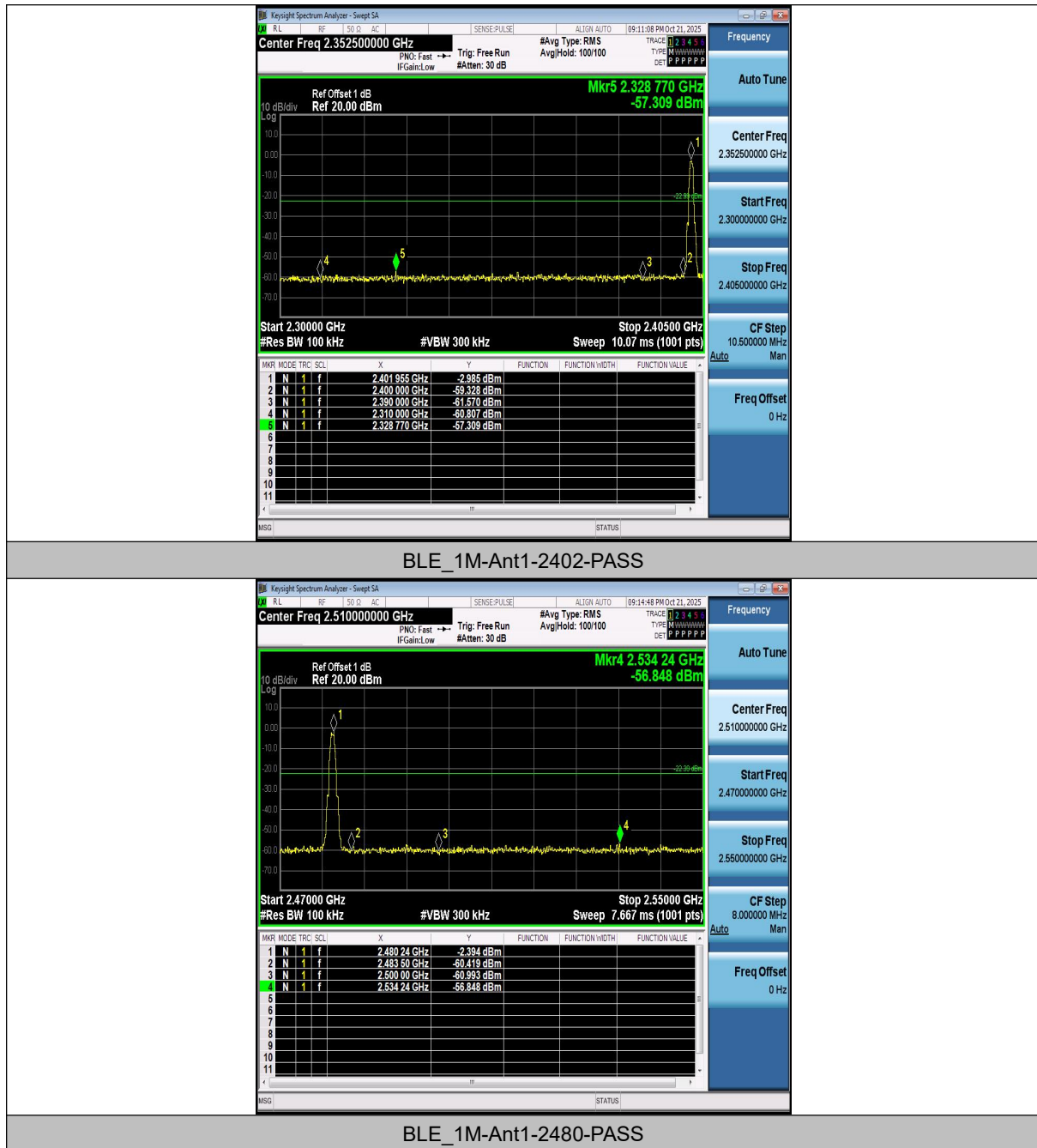
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-2.99	-57.31	≤-22.99	PASS
BLE_1M	Ant1	High	2480	-2.39	-56.85	≤-22.39	PASS

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

Test Graphs



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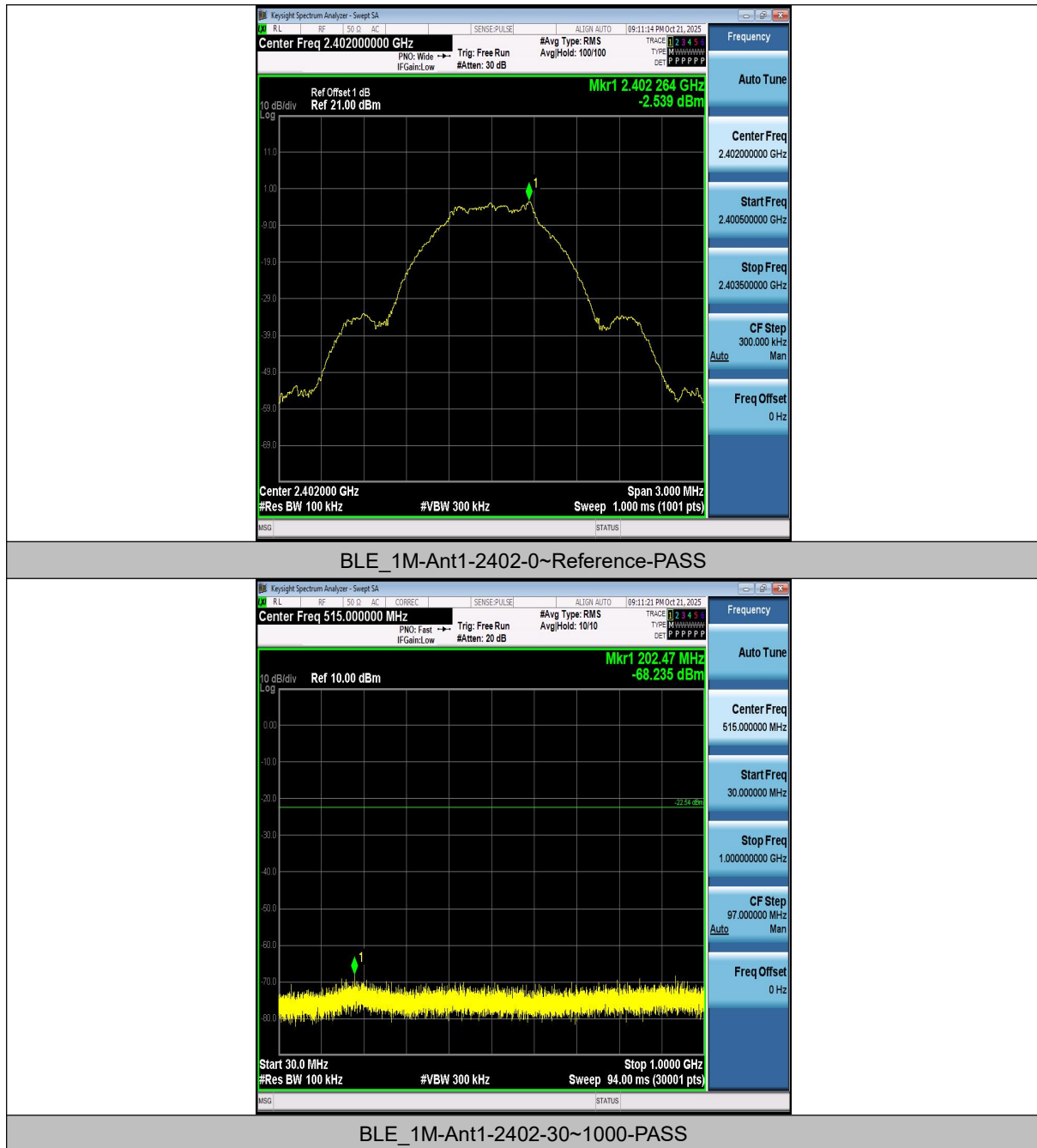
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-2.54	-2.54	---	PASS
BLE_1M	Ant1	2402	30~1000	-2.54	-68.24	≤-22.54	PASS
BLE_1M	Ant1	2402	1000~26500	-2.54	-53.04	≤-22.54	PASS
BLE_1M	Ant1	2440	0~Reference	-2.22	-2.22	---	PASS
BLE_1M	Ant1	2440	30~1000	-2.22	-68.89	≤-22.22	PASS
BLE_1M	Ant1	2440	1000~26500	-2.22	-46.89	≤-22.22	PASS
BLE_1M	Ant1	2480	0~Reference	-2.69	-2.69	---	PASS
BLE_1M	Ant1	2480	30~1000	-2.69	-68.66	≤-22.69	PASS
BLE_1M	Ant1	2480	1000~26500	-2.69	-53.43	≤-22.69	PASS

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

Test Graphs



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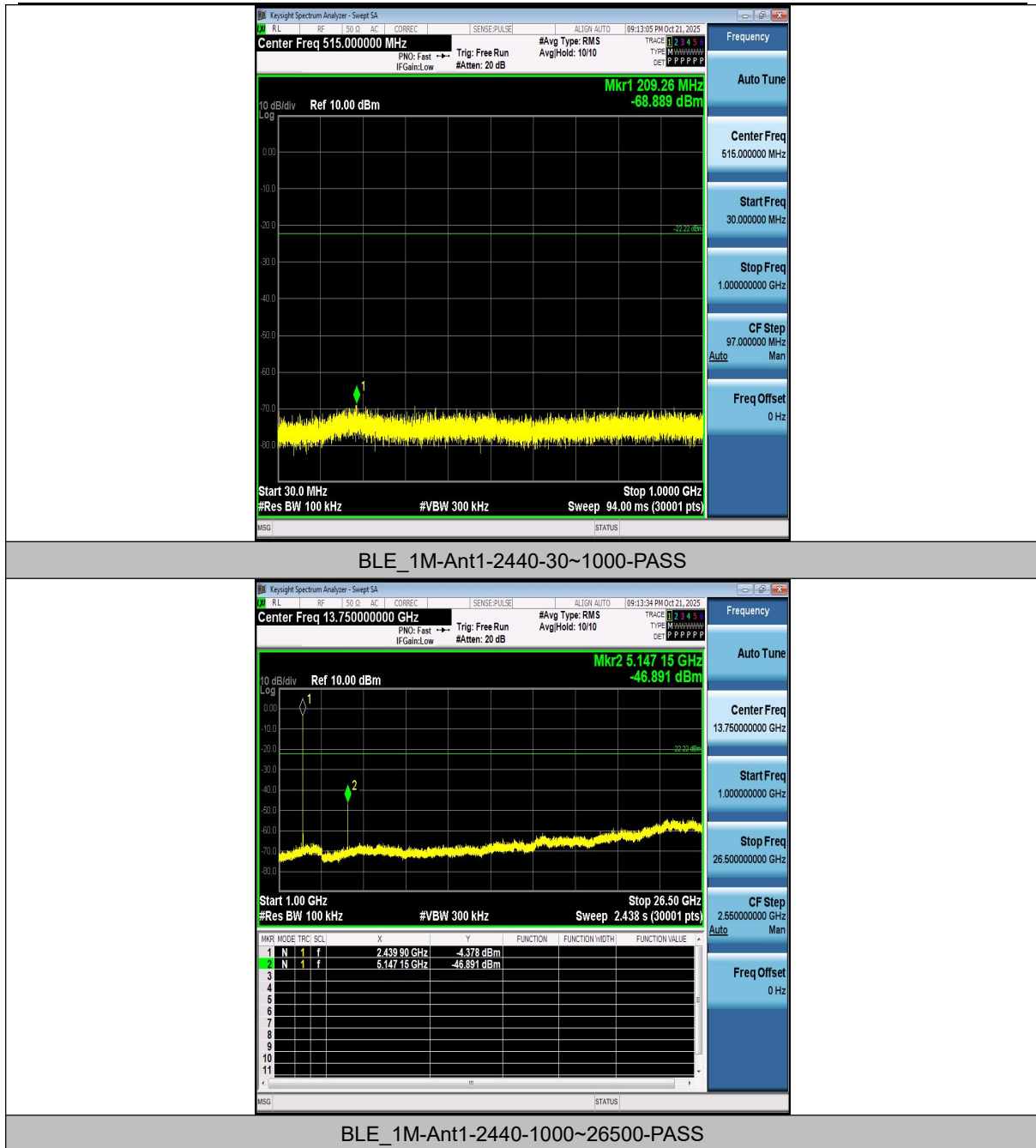
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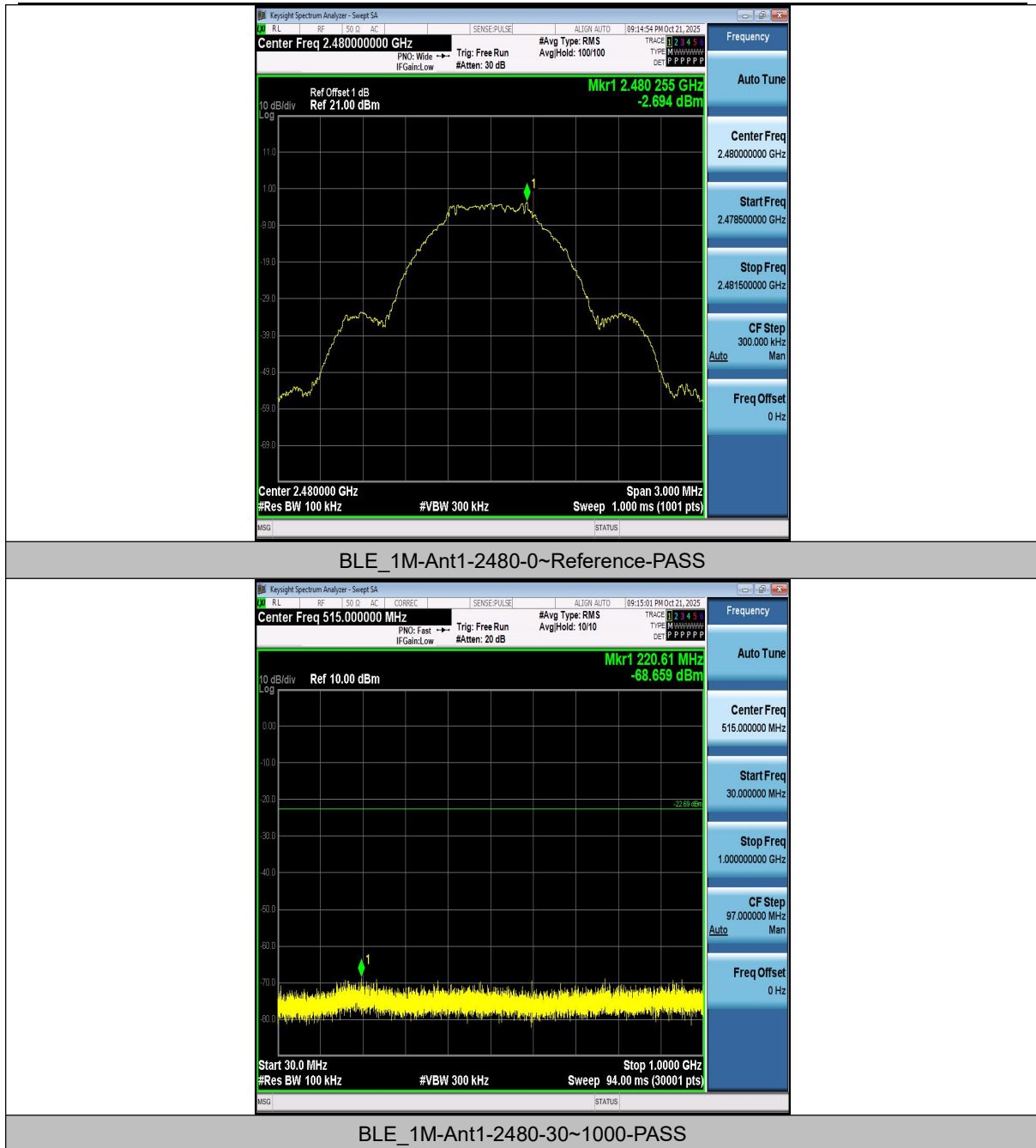
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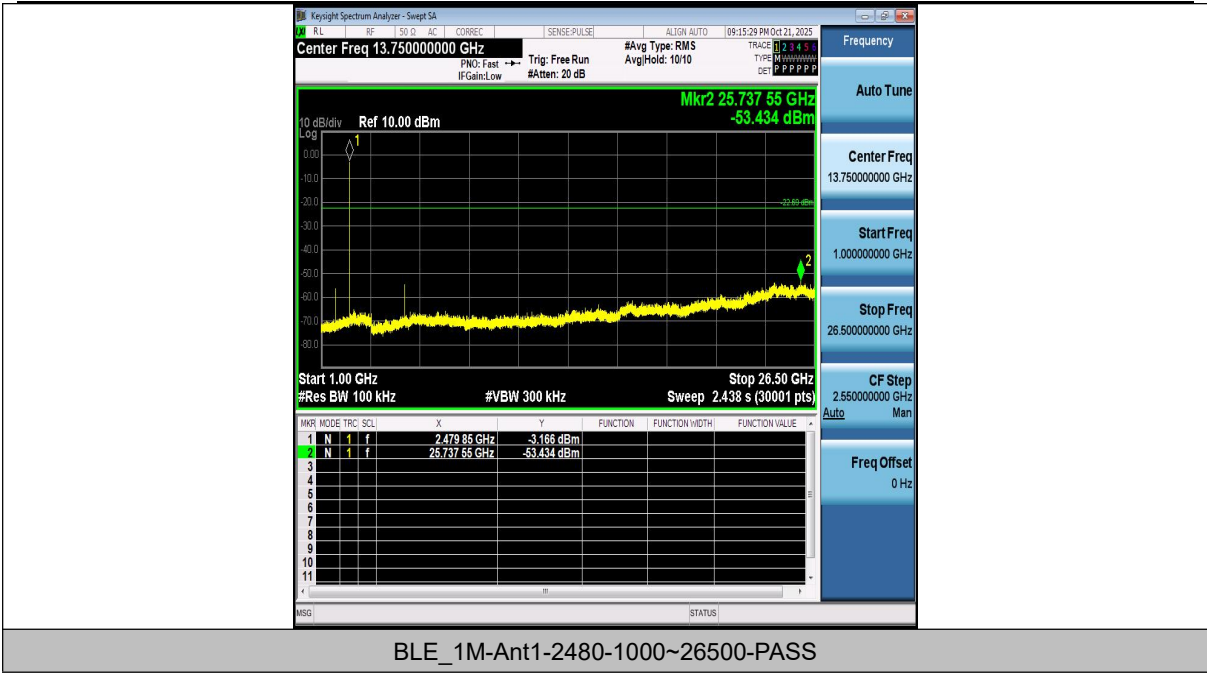
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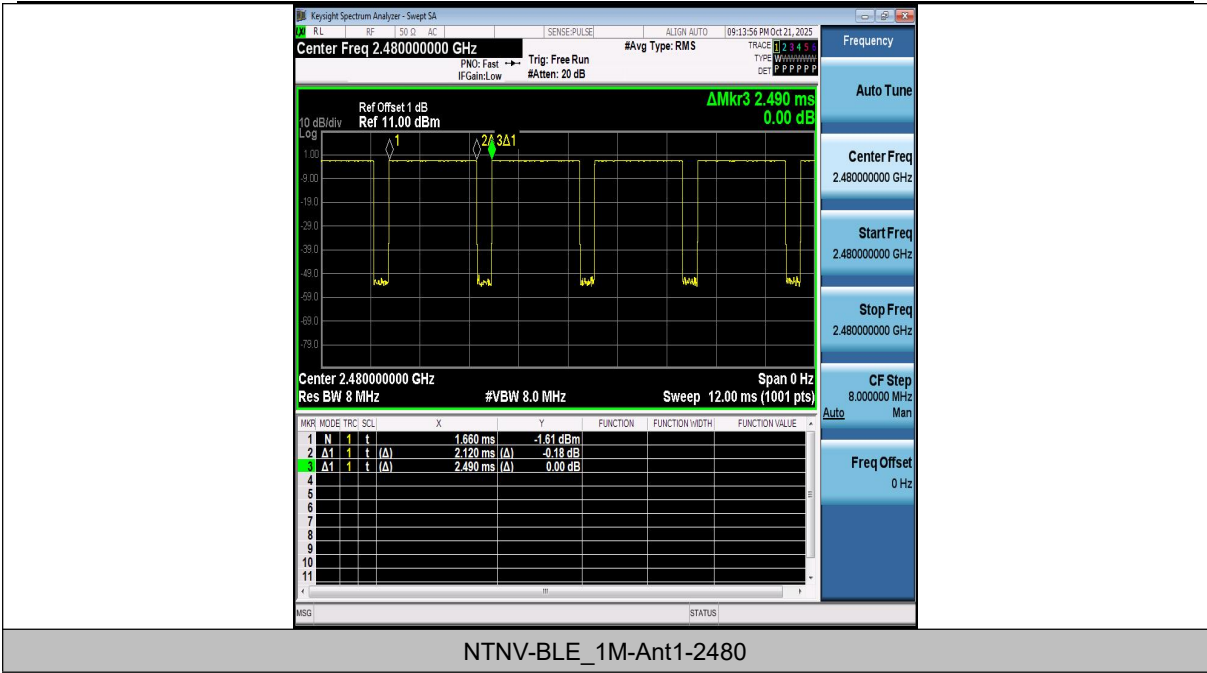
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.12	2.49	85.14	0.70
BLE_1M	Ant1	2440	2.12	2.49	85.14	0.70
BLE_1M	Ant1	2480	2.12	2.49	85.14	0.70

Test Graphs





---End---