

Appendix Test Data

Report No.:	1812C50468612501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-09-17	Finish Test Date:	2025-09-17
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	0.676	2401.672	2402.348	0.5	PASS
BLE_1M	Ant1	2440	0.732	2439.632	2440.364	0.5	PASS
BLE_1M	Ant1	2480	0.712	2479.620	2480.332	0.5	PASS

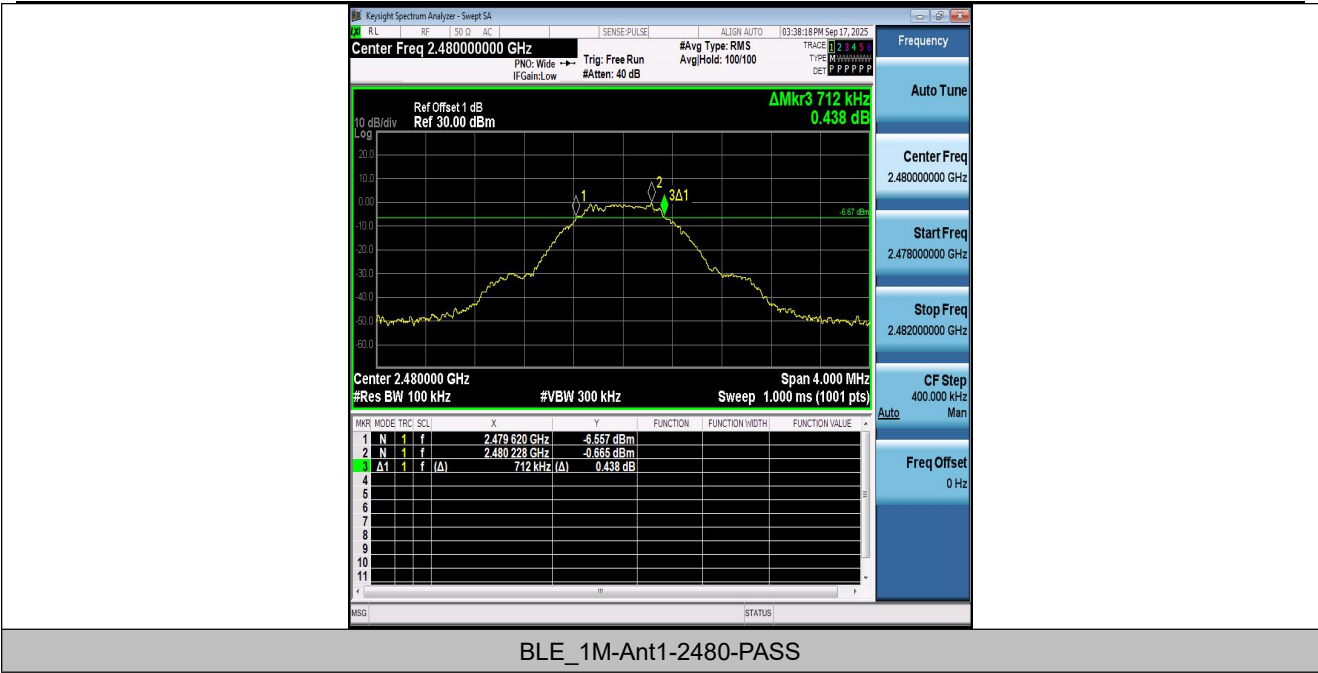
Test Graphs



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BLE_1M-Ant1-2480-PASS

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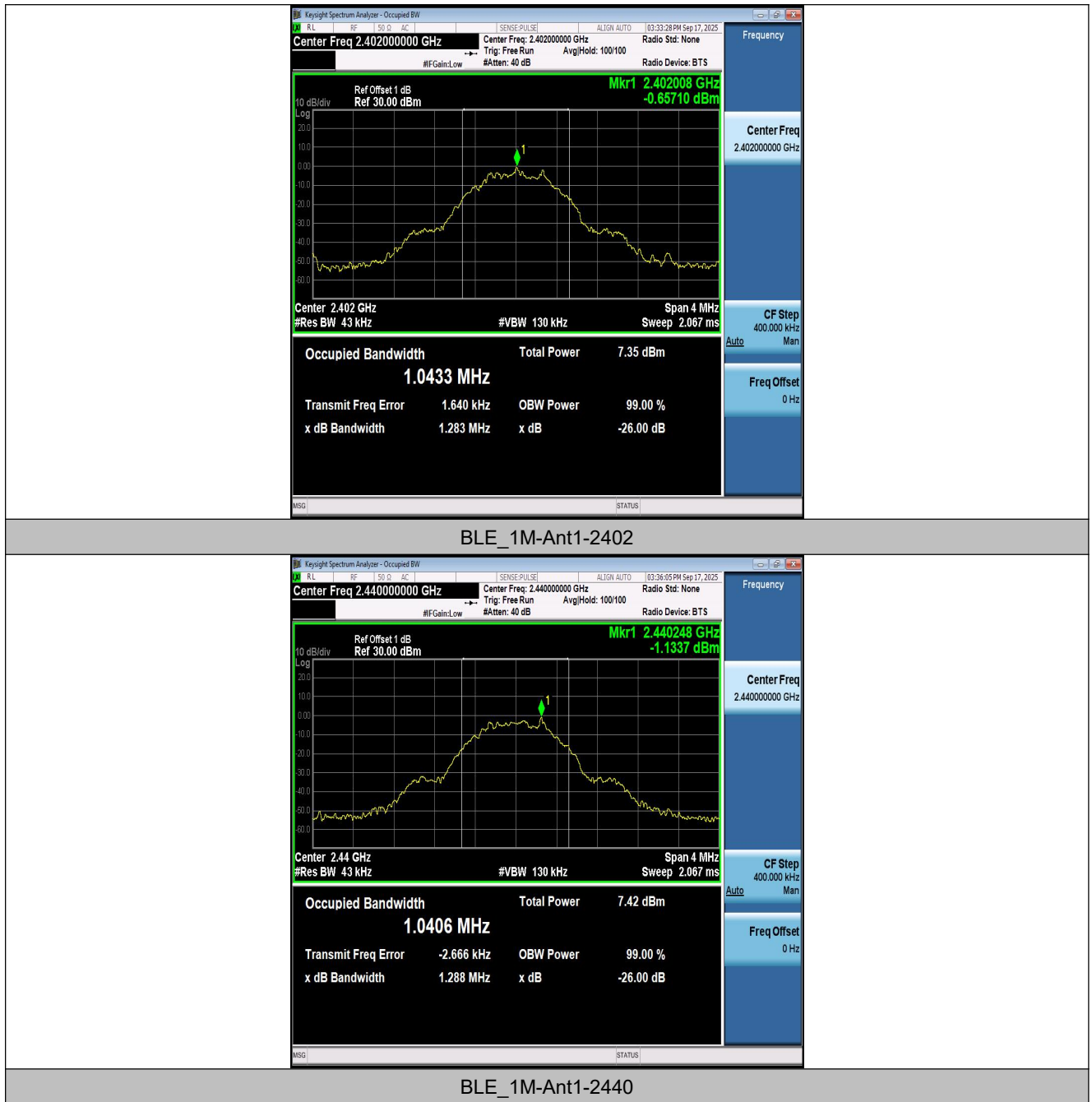
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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0433	2401.4800	2402.5233	---	---
BLE_1M	Ant1	2440	1.0406	2439.4770	2440.5176	---	---
BLE_1M	Ant1	2480	1.0422	2479.4803	2480.5225	---	---

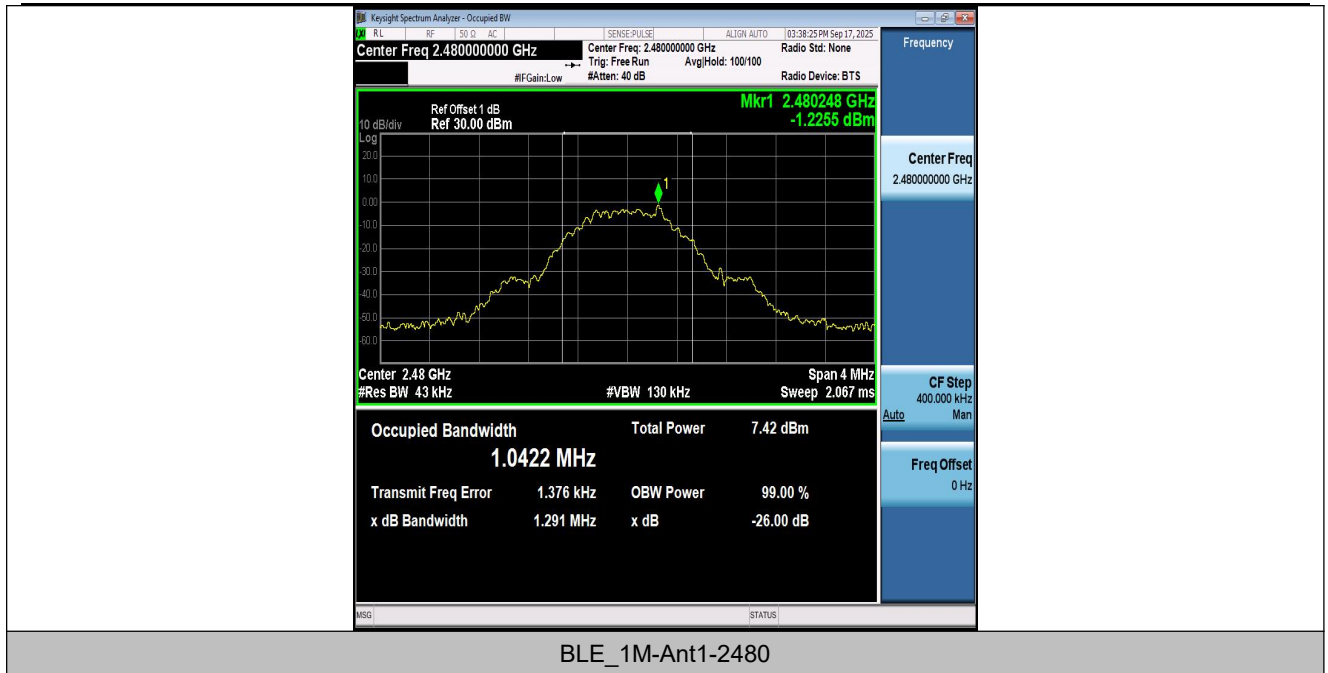
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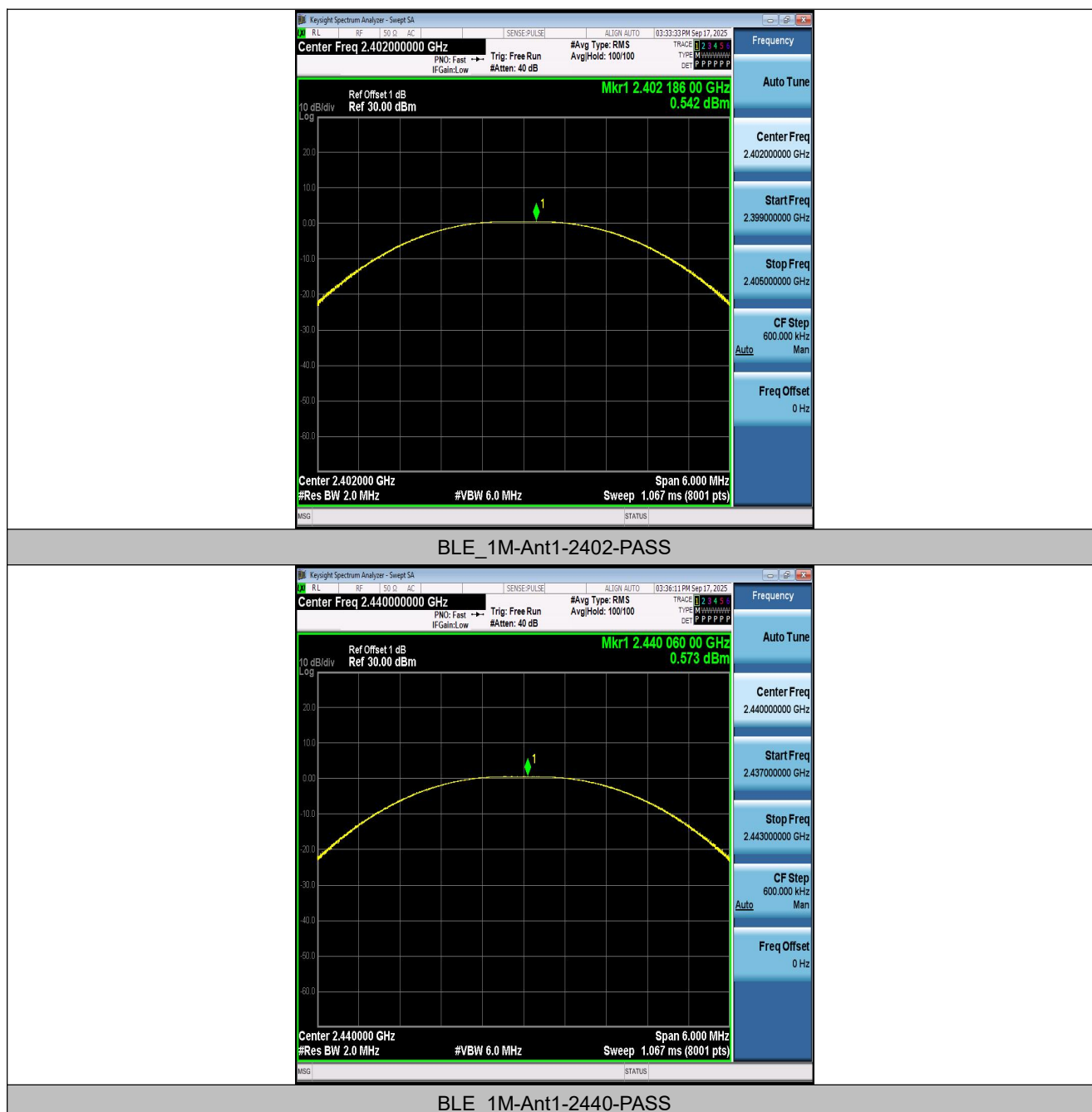
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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.54	≤30	PASS
BLE_1M	Ant1	2440	0.57	≤30	PASS
BLE_1M	Ant1	2480	0.42	≤30	PASS

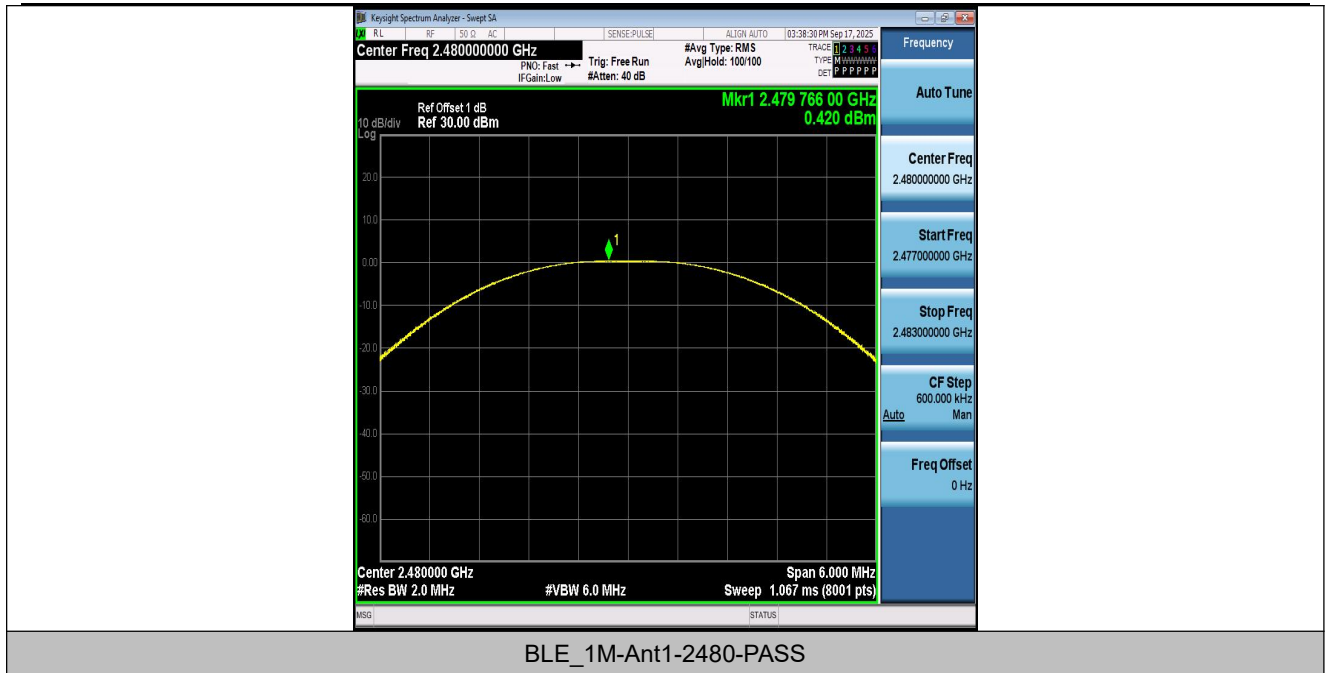
Test Graphs Peak



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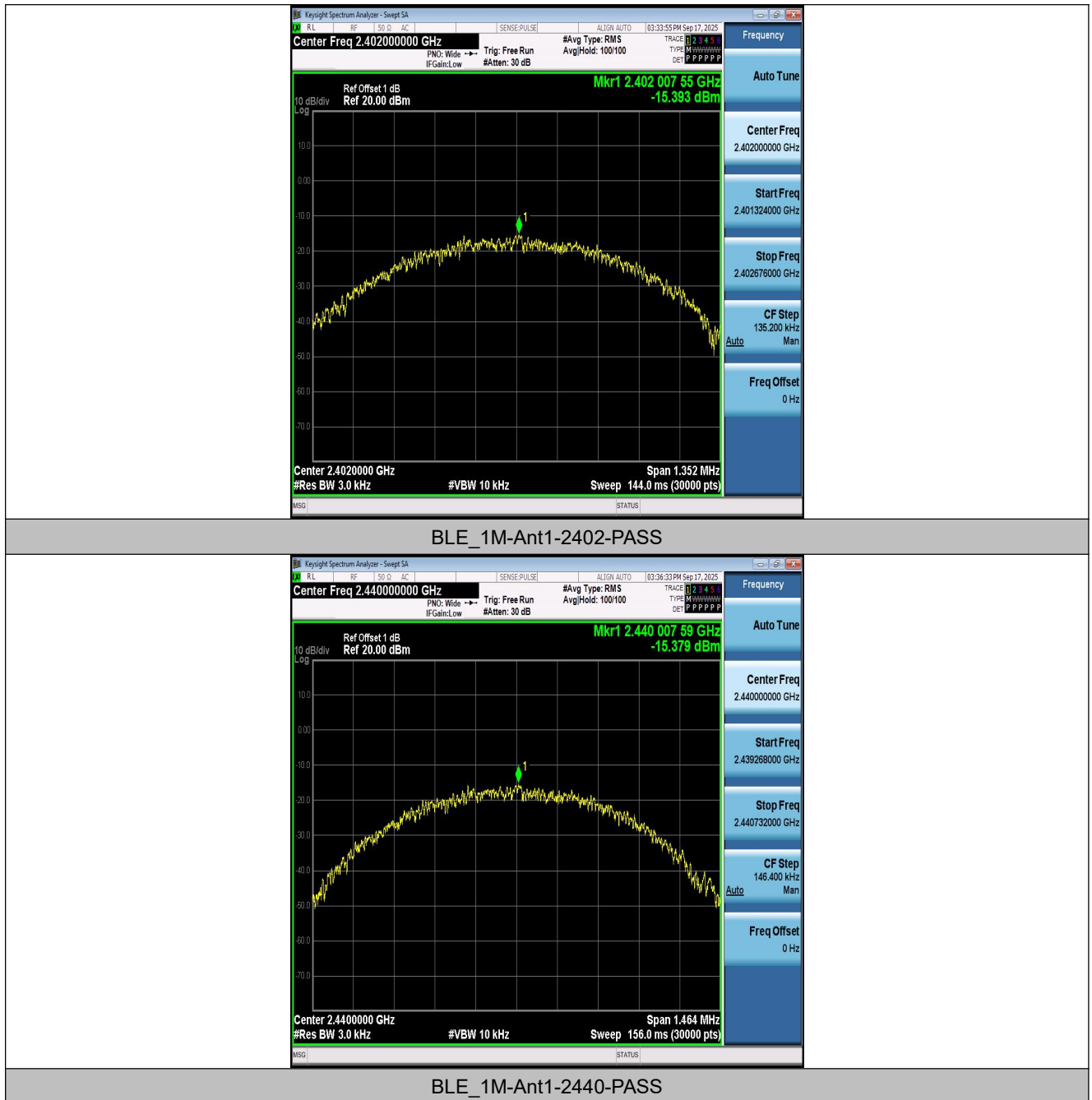
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.39	≤8.00	PASS
BLE_1M	Ant1	2440	-15.38	≤8.00	PASS
BLE_1M	Ant1	2480	-15.90	≤8.00	PASS

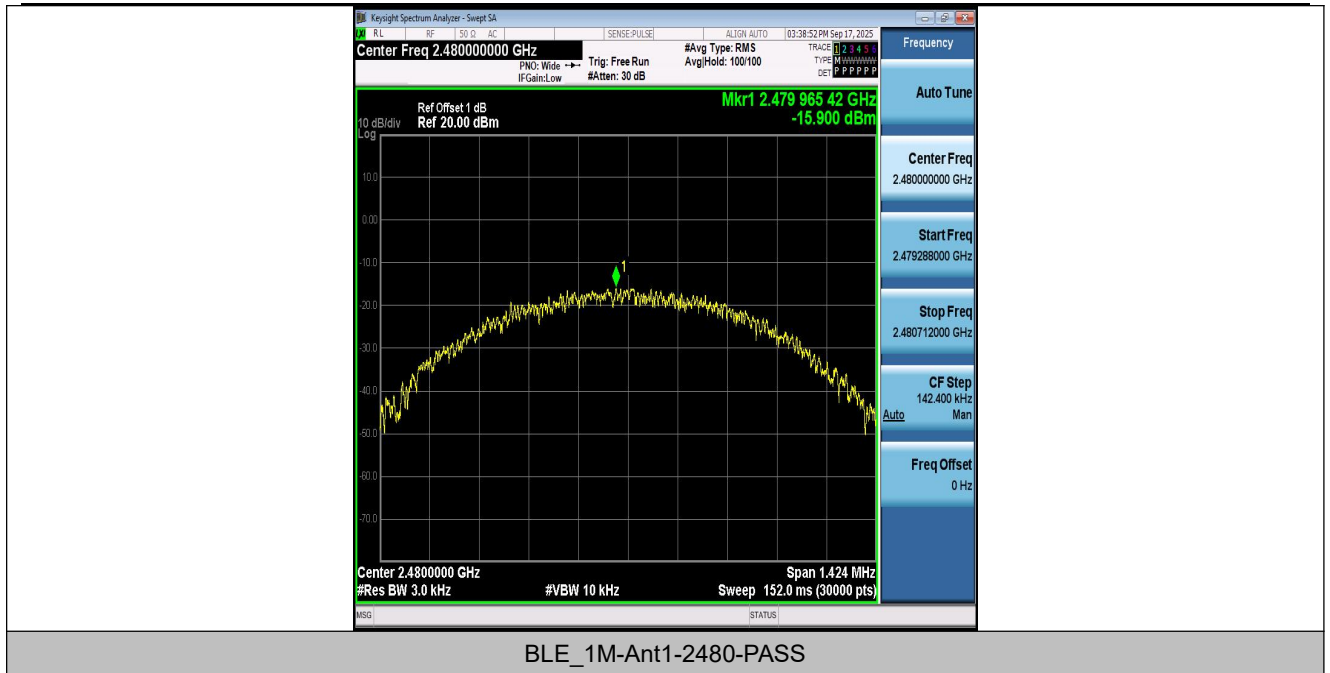
Test Graphs



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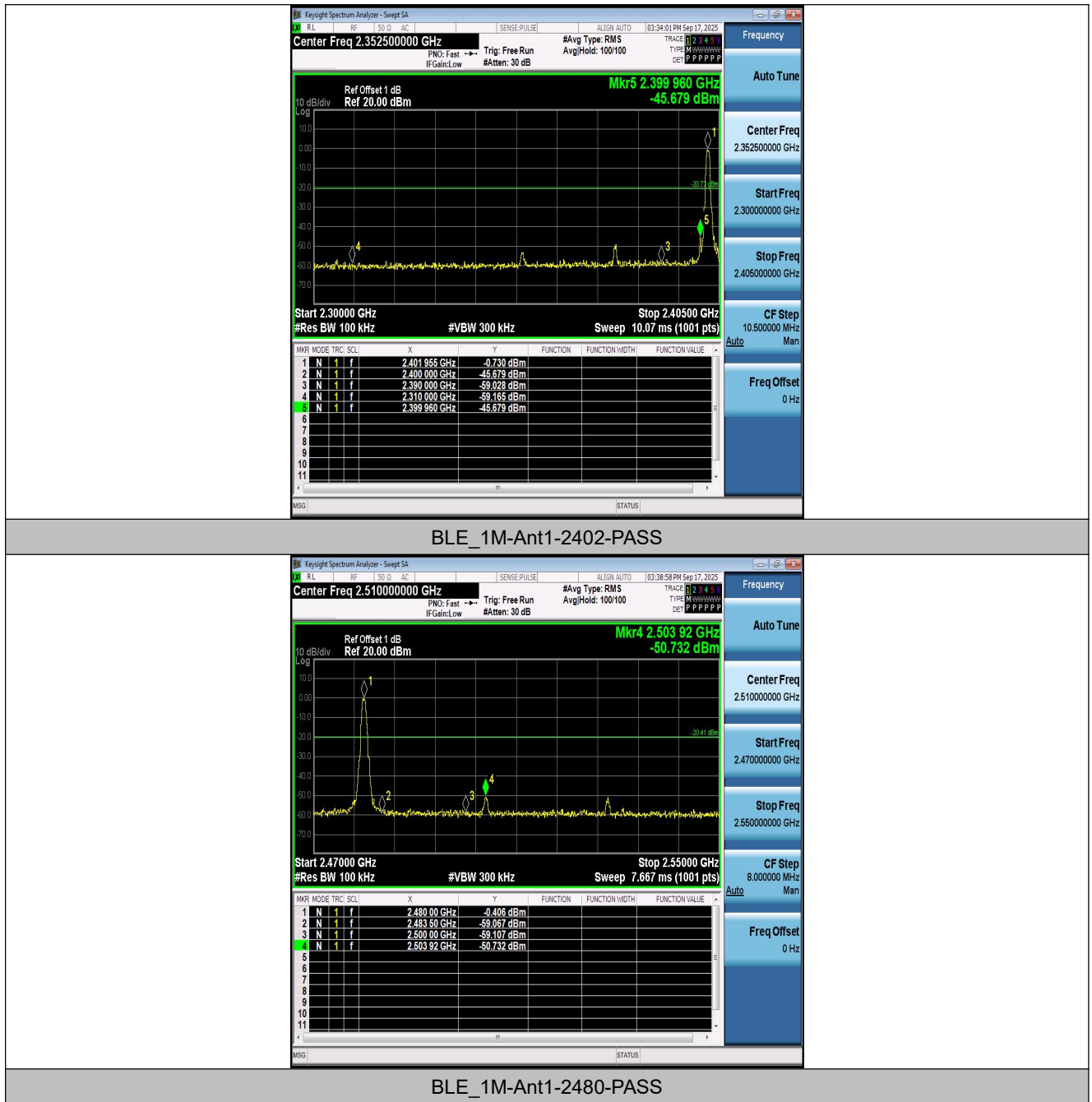
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.73	-45.68	≤ -20.73	PASS
BLE_1M	Ant1	High	2480	-0.41	-50.73	≤ -20.41	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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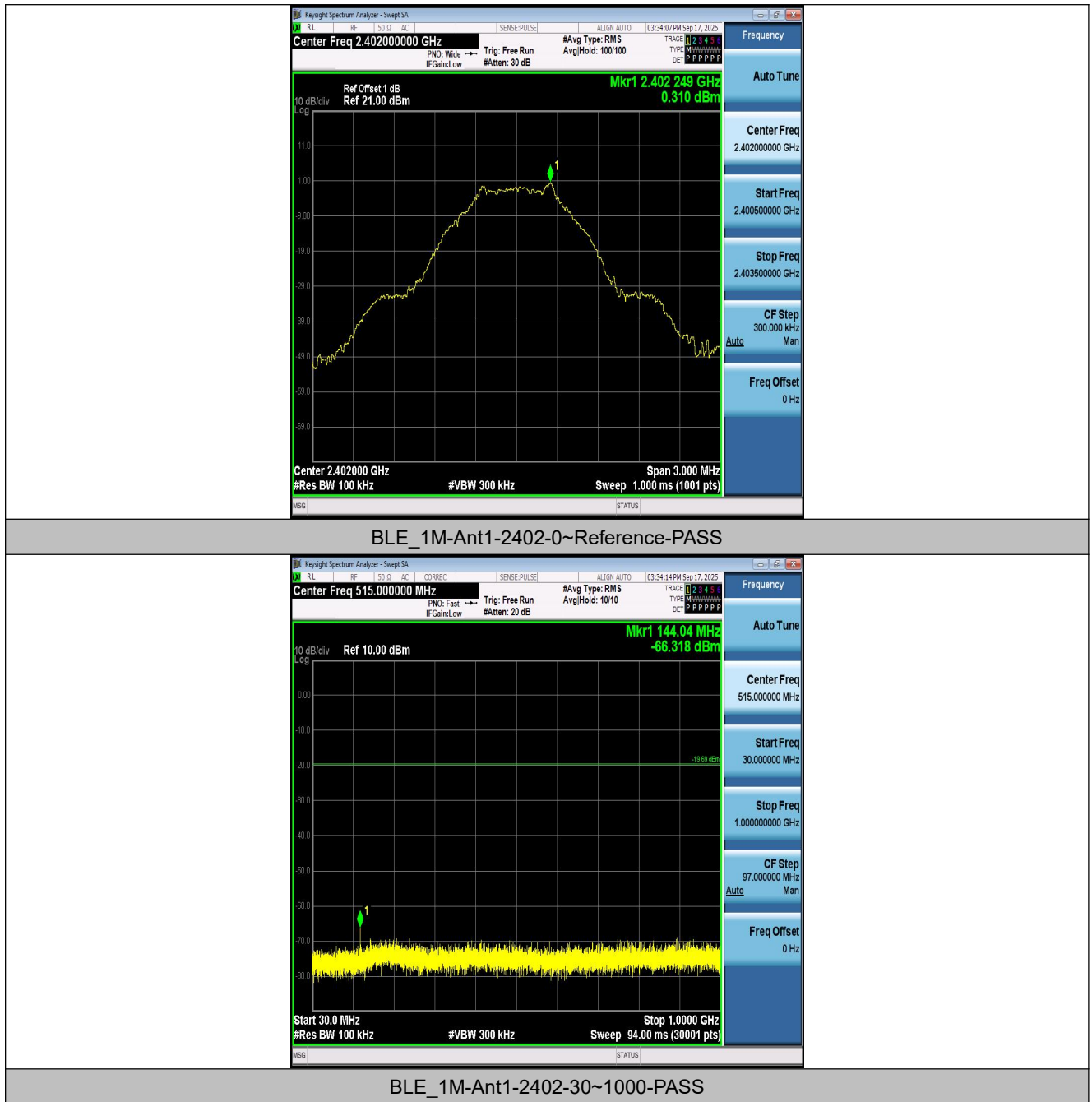
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	0.31	0.31	---	PASS
BLE_1M	Ant1	2402	30~1000	0.31	-66.32	≤-19.69	PASS
BLE_1M	Ant1	2402	1000~26500	0.31	-47.44	≤-19.69	PASS
BLE_1M	Ant1	2440	0~Reference	0.34	0.34	---	PASS
BLE_1M	Ant1	2440	30~1000	0.34	-66.67	≤-19.66	PASS
BLE_1M	Ant1	2440	1000~26500	0.34	-48.14	≤-19.66	PASS
BLE_1M	Ant1	2480	0~Reference	-0.54	-0.54	---	PASS
BLE_1M	Ant1	2480	30~1000	-0.54	-64.8	≤-20.54	PASS
BLE_1M	Ant1	2480	1000~26500	-0.54	-46.84	≤-20.54	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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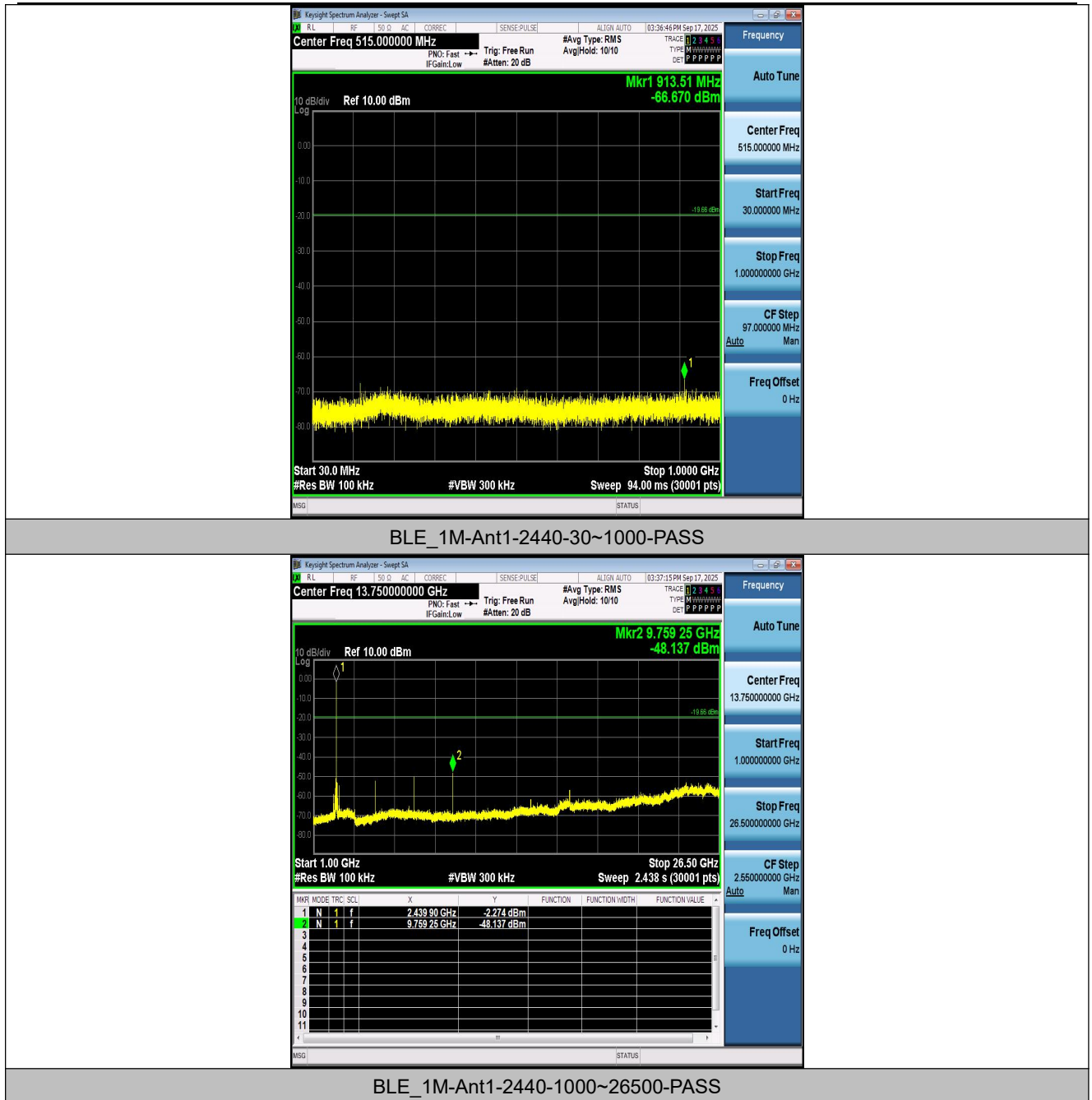
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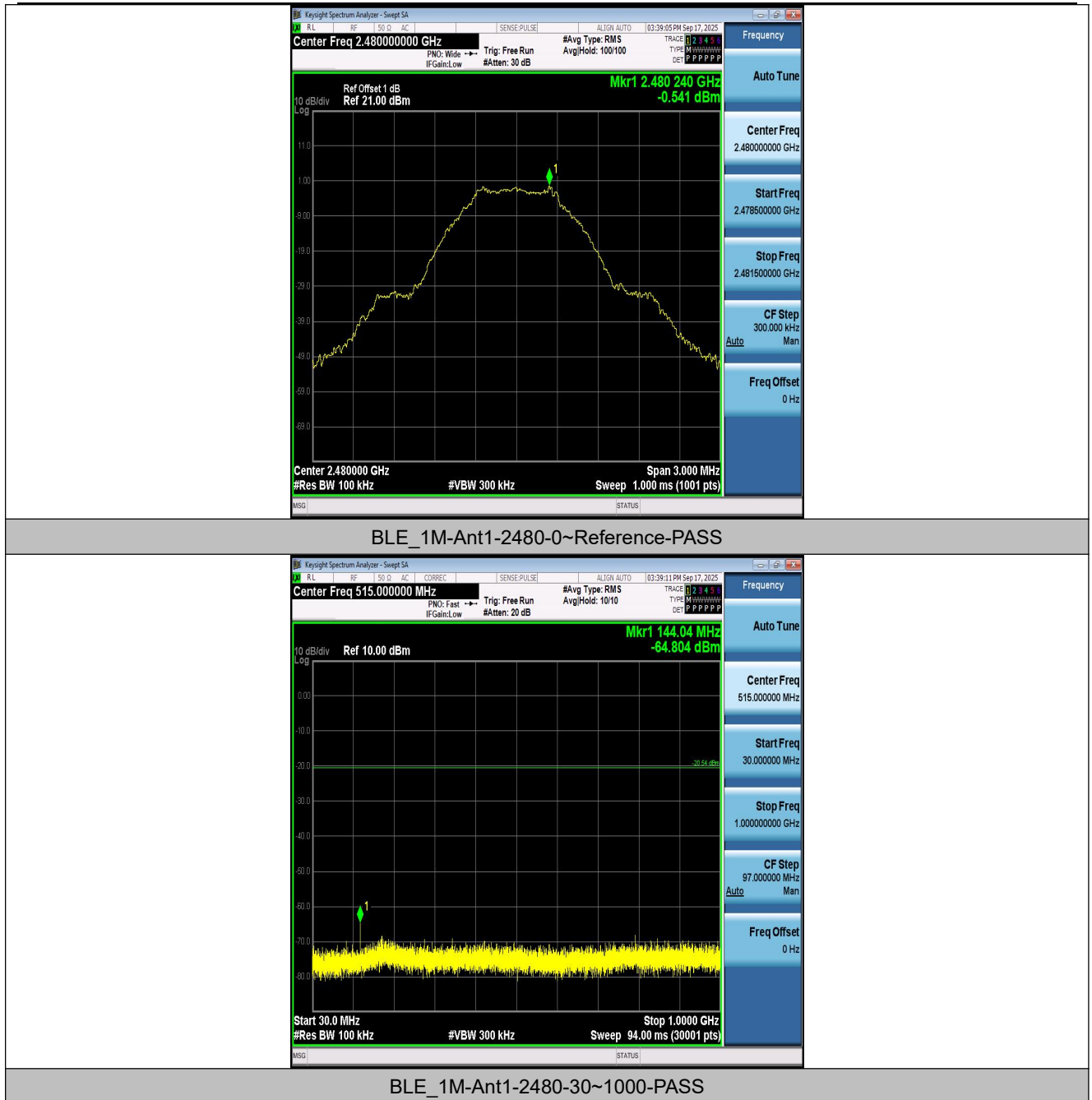
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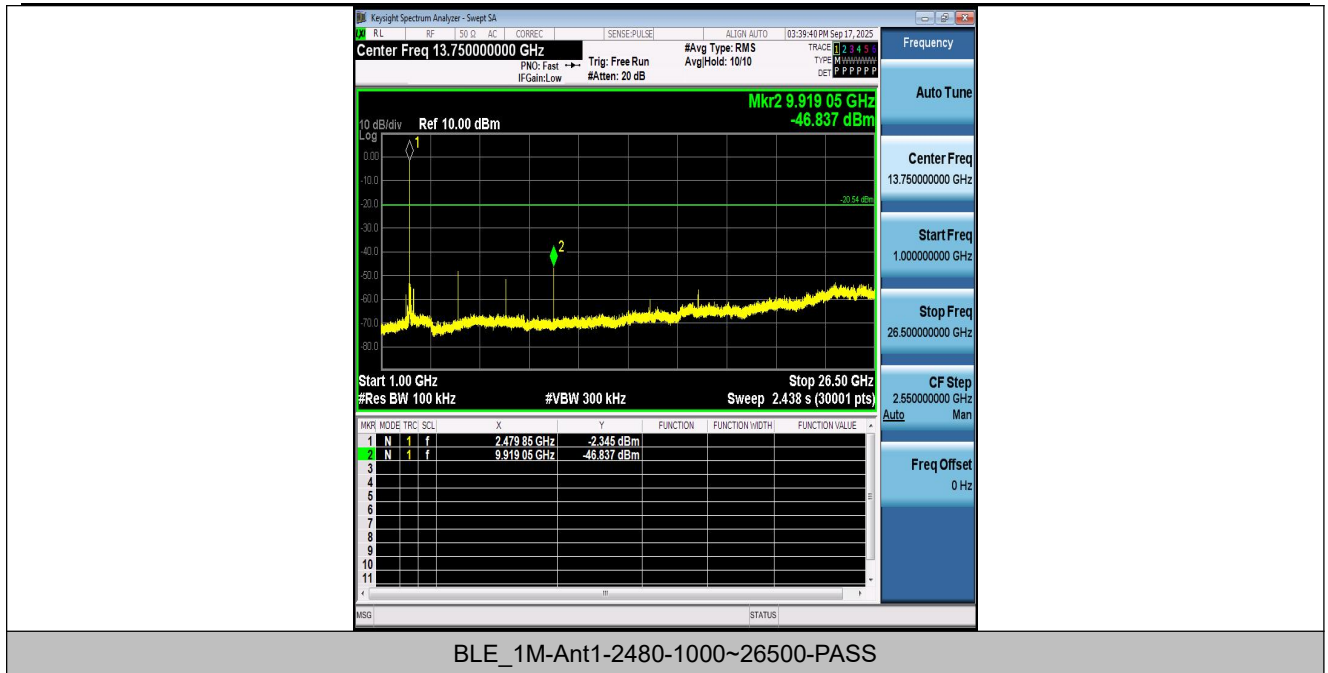
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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.13	2.49	85.54	0.68
BLE_1M	Ant1	2440	2.13	2.49	85.54	0.68
BLE_1M	Ant1	2480	2.13	2.51	84.86	0.71

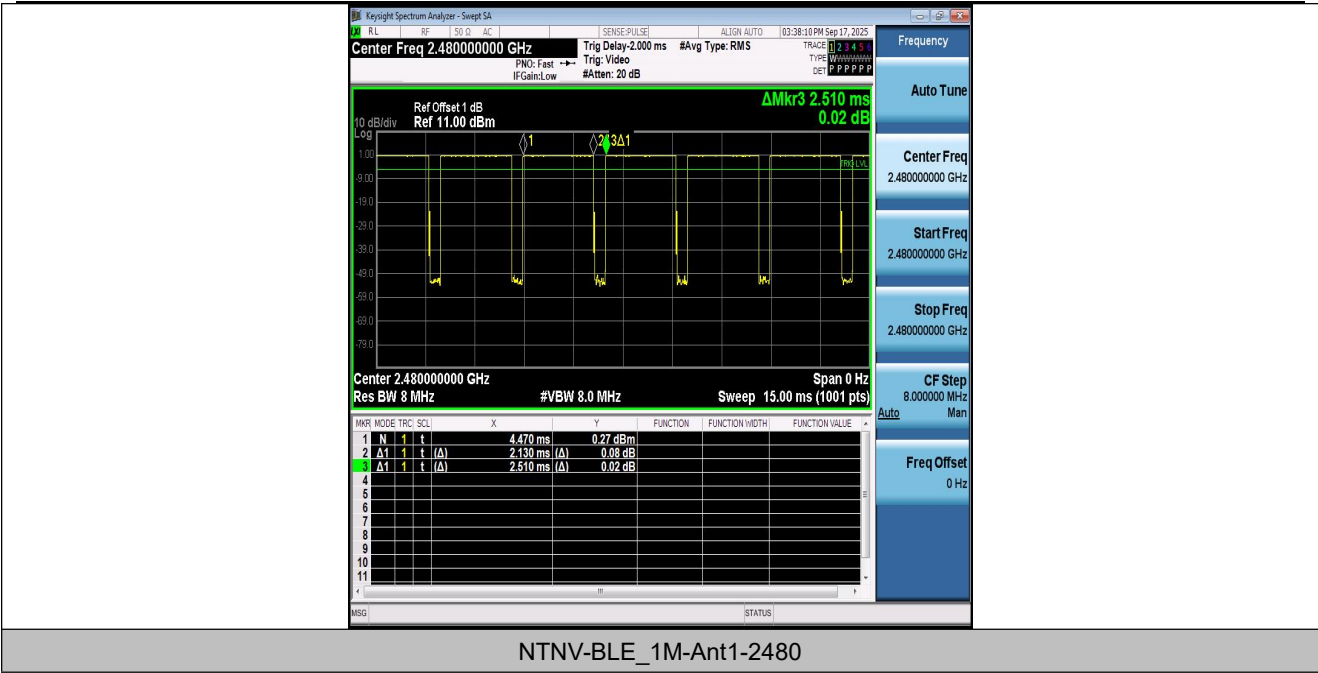
Test Graphs



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NTNV-BLE_1M-Ant1-2480

---End---