

Appendix Test Data

Report No.:	1812C50583612501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-11-5	Finish Test Date:	2025-11-6
Test Engineer:	Alex Peng	Auditor:	Justin Feng
Temperature:	24.7°C	Relative Humidity:	51%
Pressure:	101kPa		

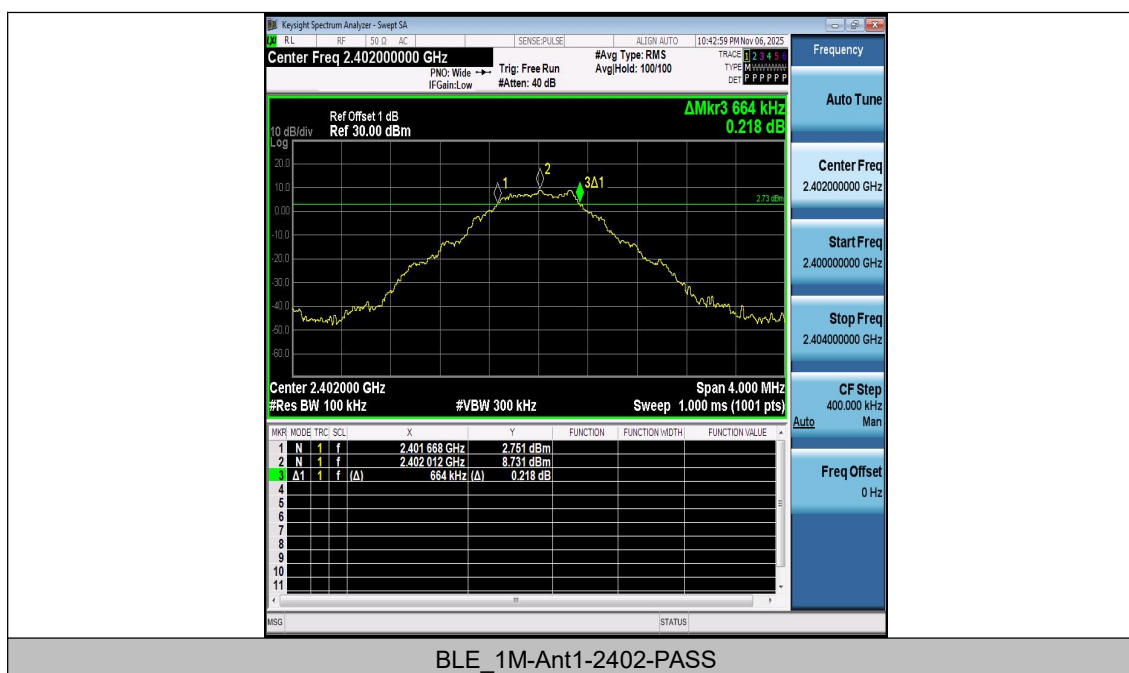


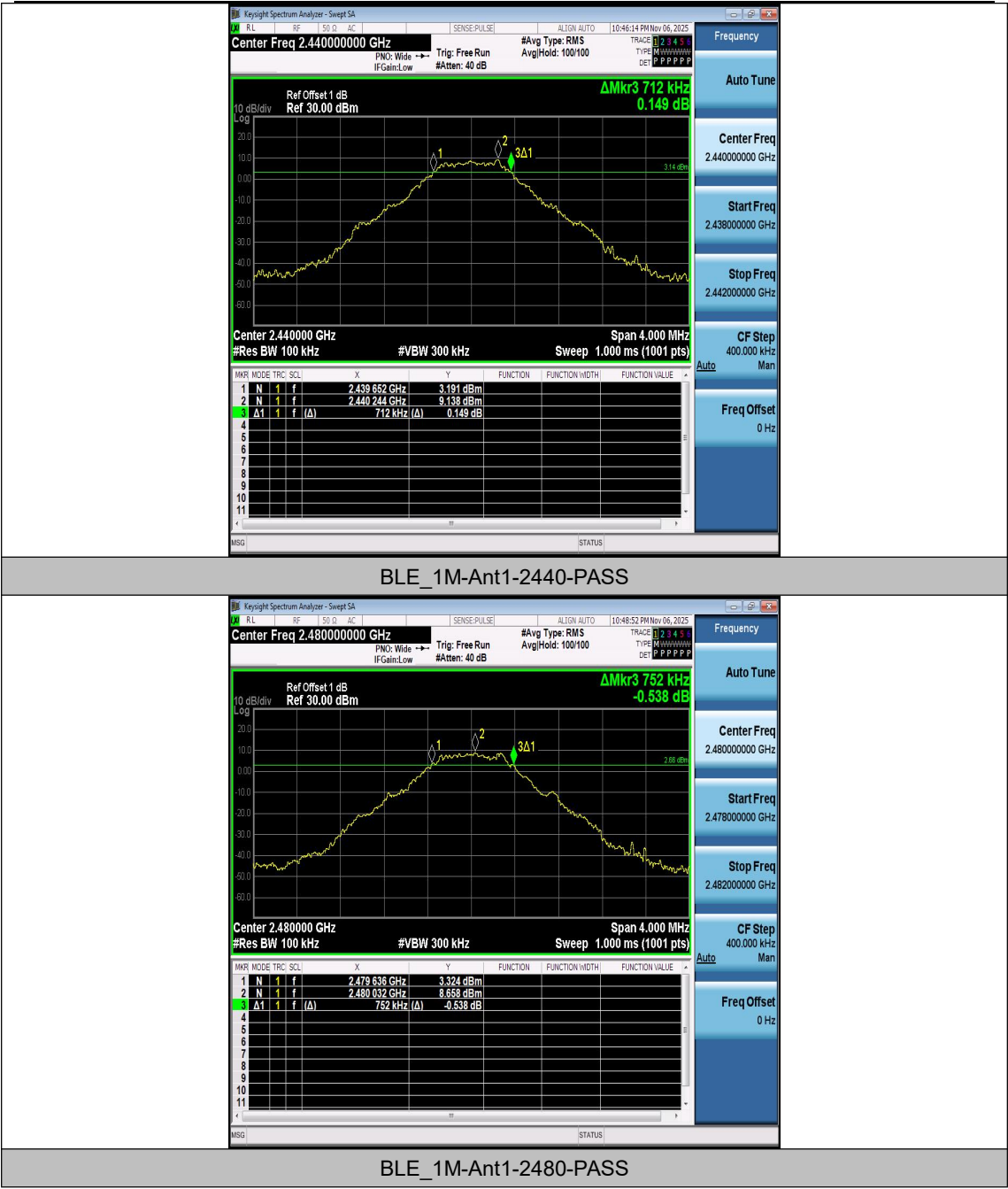
Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.664	2401.668	2402.332	0.5	PASS
BLE_1M	Ant1	2440	0.712	2439.652	2440.364	0.5	PASS
BLE_1M	Ant1	2480	0.752	2479.636	2480.388	0.5	PASS

Test Graphs



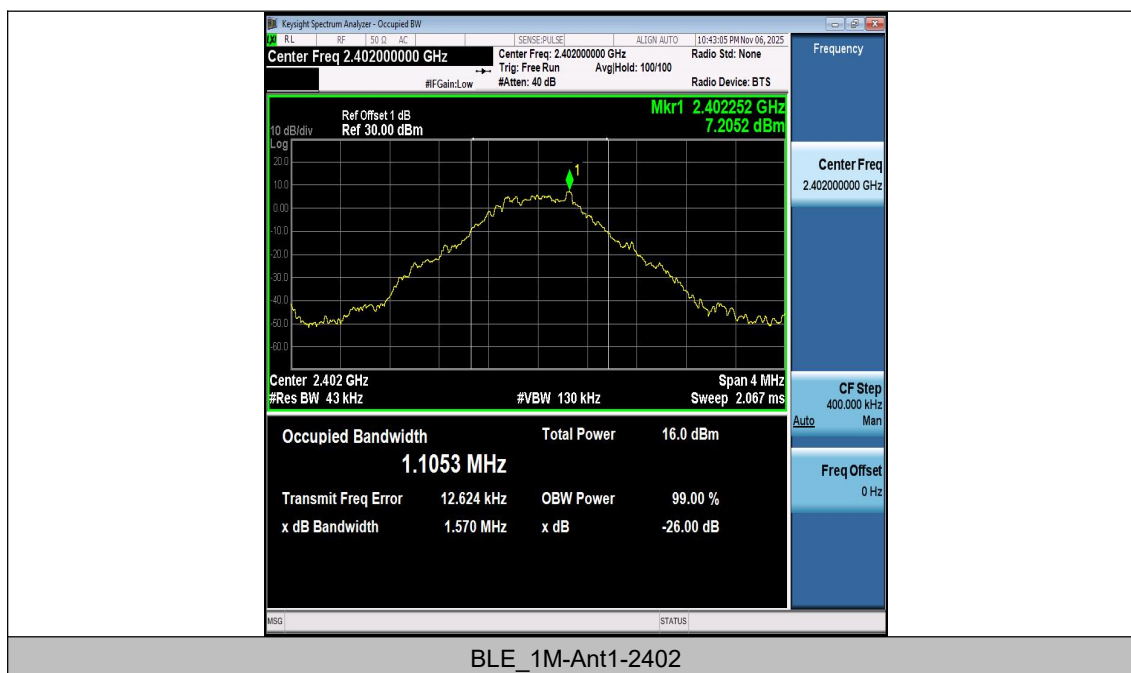


Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.1053	2401.4600	2402.5653	---	---
BLE_1M	Ant1	2440	1.1458	2439.4312	2440.5770	---	---
BLE_1M	Ant1	2480	1.1652	2479.4116	2480.5768	---	---

Test Graphs



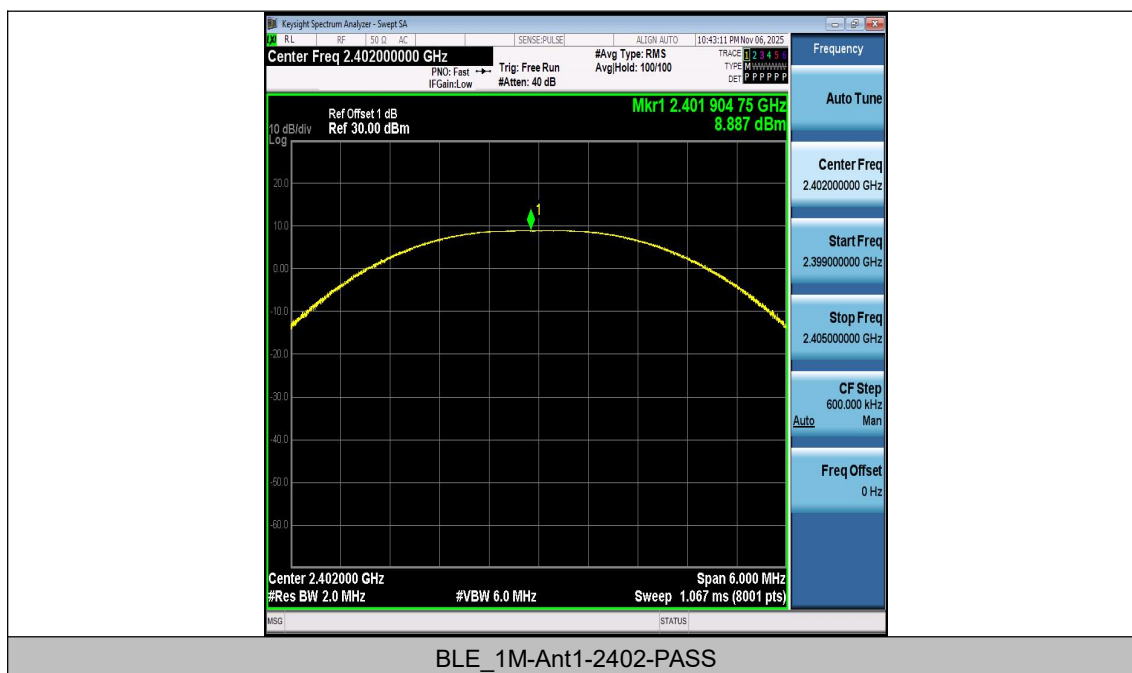


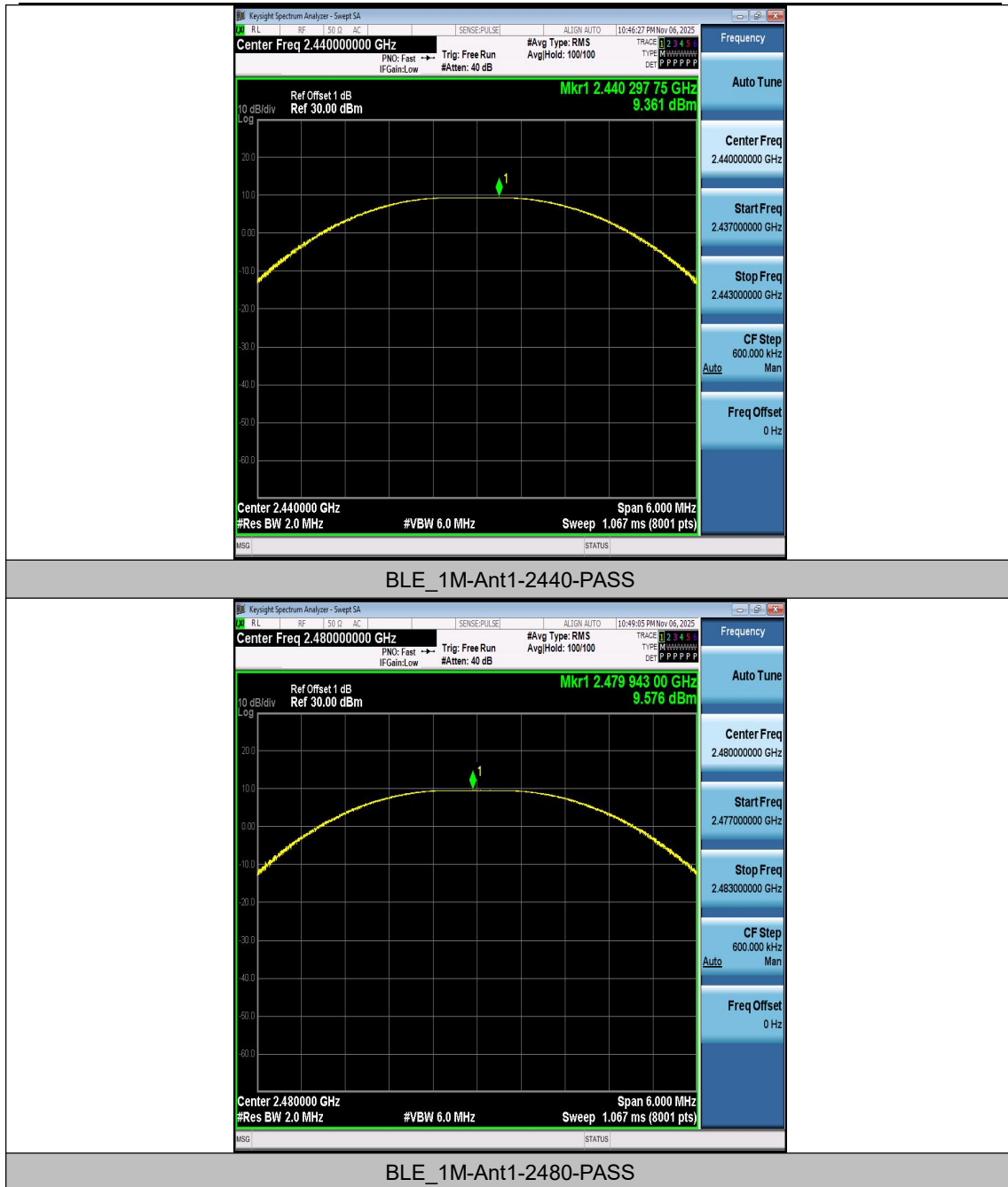
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	8.89	≤30	PASS
BLE_1M	Ant1	2440	9.36	≤30	PASS
BLE_1M	Ant1	2480	9.58	≤30	PASS

Test Graphs Peak





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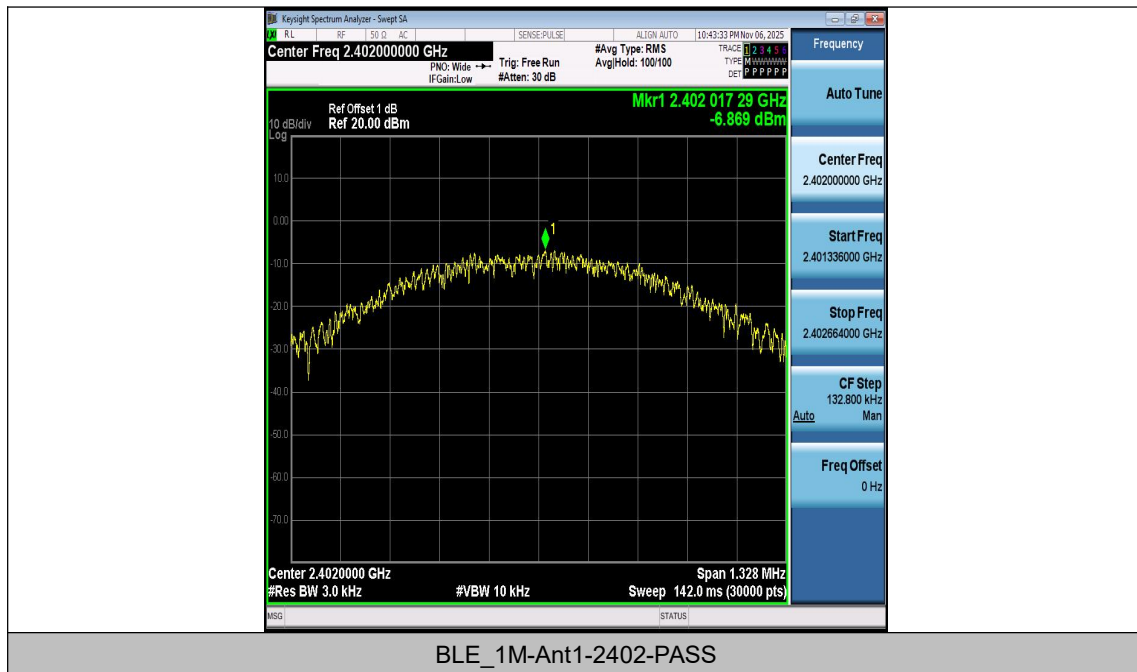
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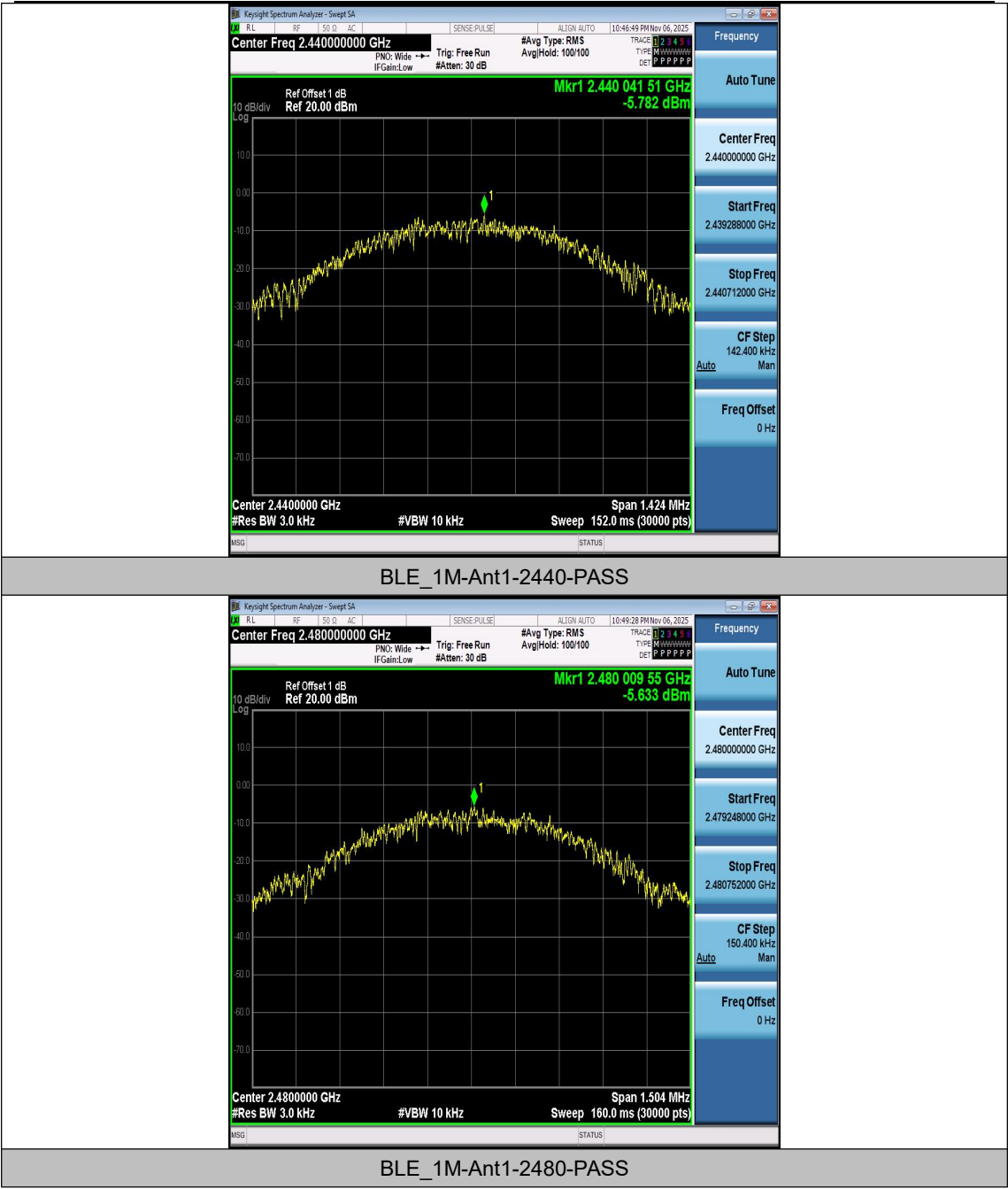
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-6.87	≤8.00	PASS
BLE_1M	Ant1	2440	-5.78	≤8.00	PASS
BLE_1M	Ant1	2480	-5.63	≤8.00	PASS

Test Graphs





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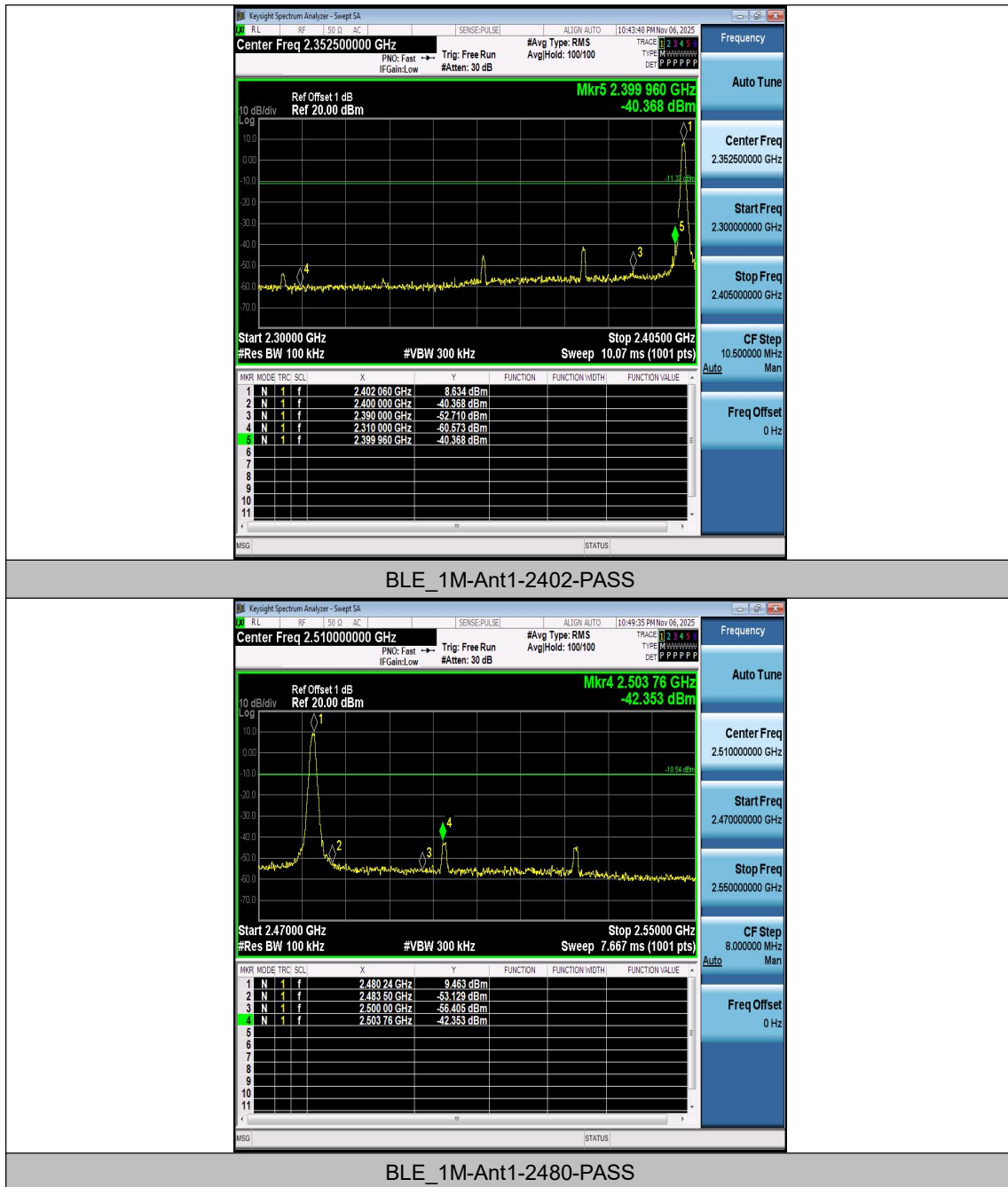
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	8.63	-40.37	≤-11.37	PASS
BLE_1M	Ant1	High	2480	9.46	-42.35	≤-10.54	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



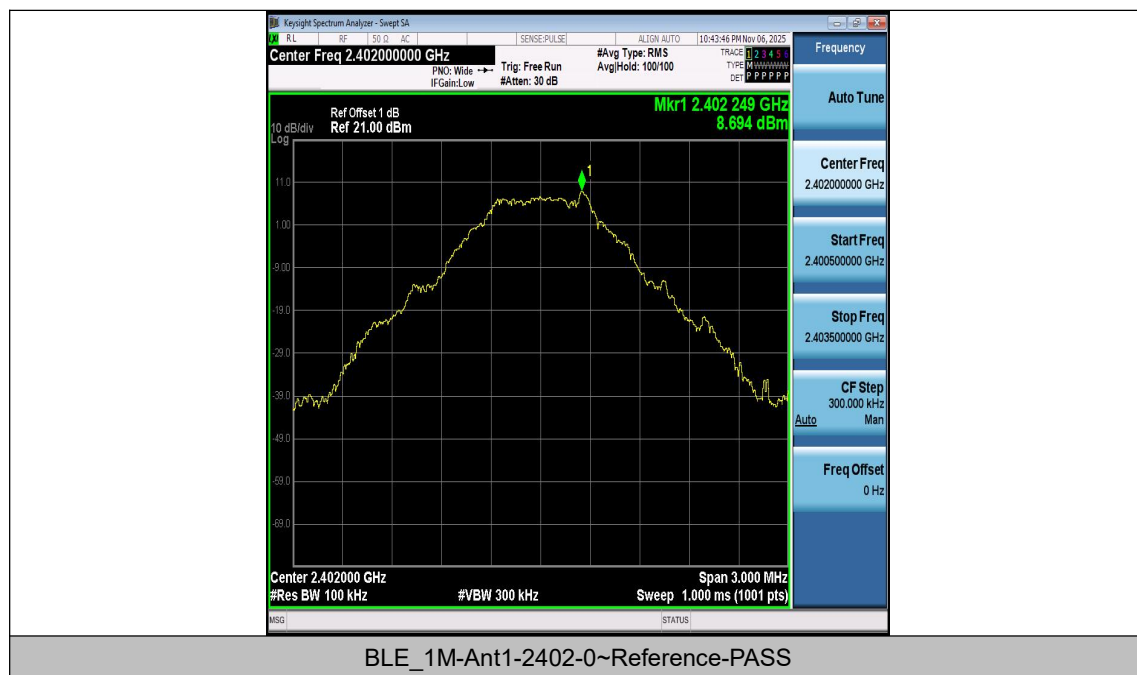
Appendix F: Conducted Spurious Emission

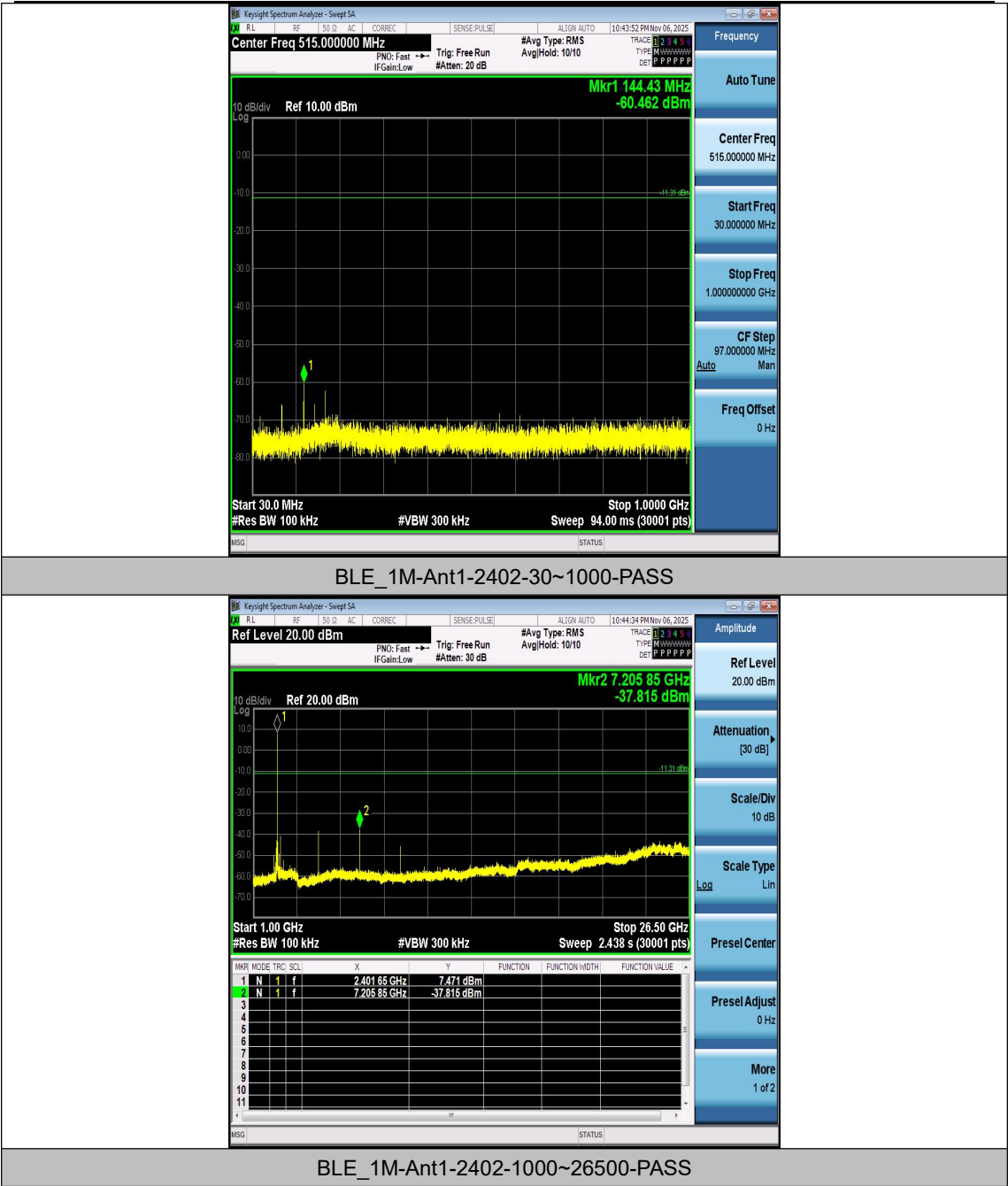
Test Result

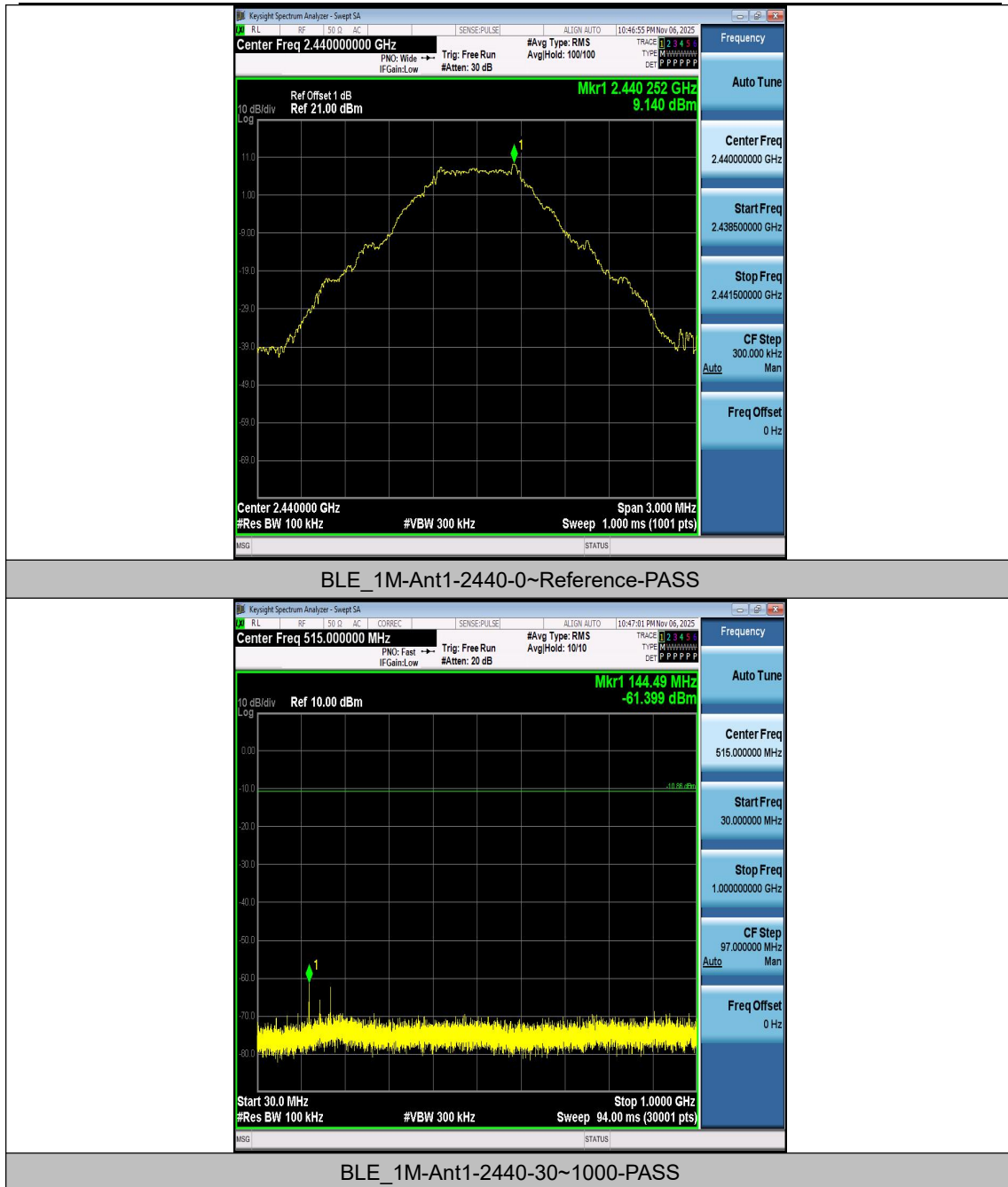
Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	8.69	8.69	---	PASS
BLE_1M	Ant1	2402	30~1000	8.69	-60.46	≤-11.31	PASS
BLE_1M	Ant1	2402	1000~26500	8.69	-37.82	≤-11.31	PASS
BLE_1M	Ant1	2440	0~Reference	9.14	9.14	---	PASS
BLE_1M	Ant1	2440	30~1000	9.14	-61.4	≤-10.86	PASS
BLE_1M	Ant1	2440	1000~26500	9.14	-38.35	≤-10.86	PASS
BLE_1M	Ant1	2480	0~Reference	9.12	9.12	---	PASS
BLE_1M	Ant1	2480	30~1000	9.12	-60.55	≤-10.88	PASS
BLE_1M	Ant1	2480	1000~26500	9.12	-38.93	≤-10.88	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



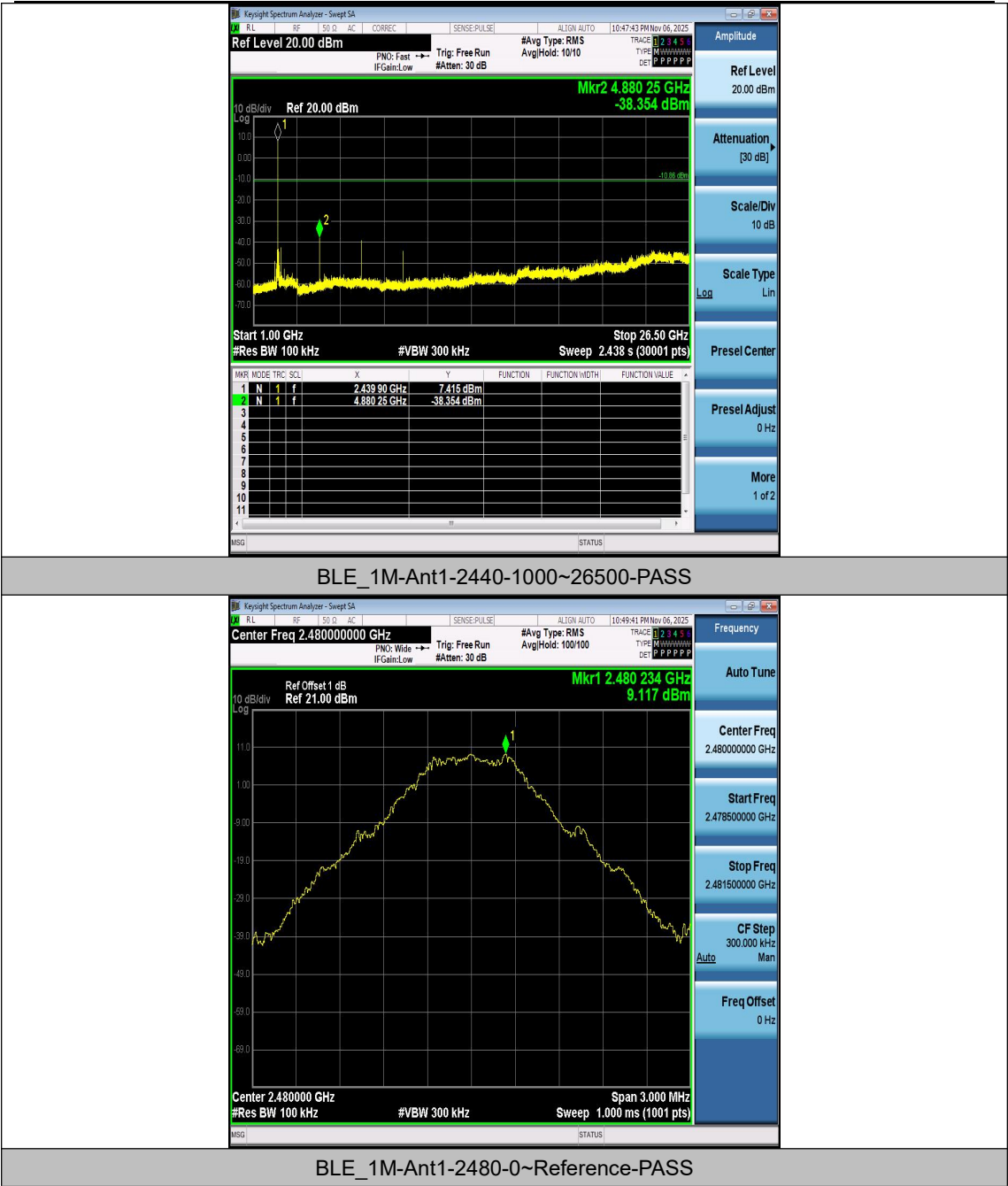




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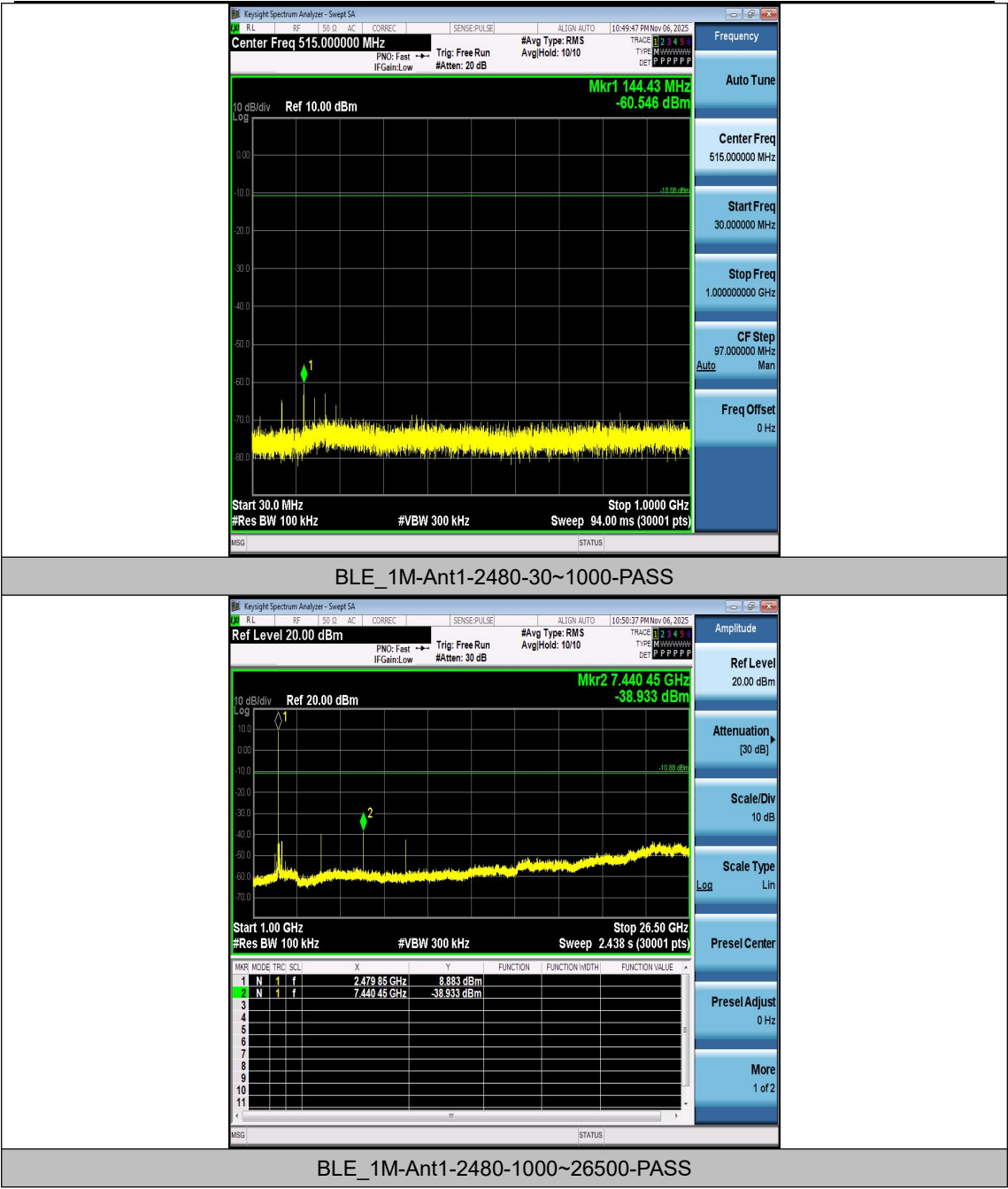
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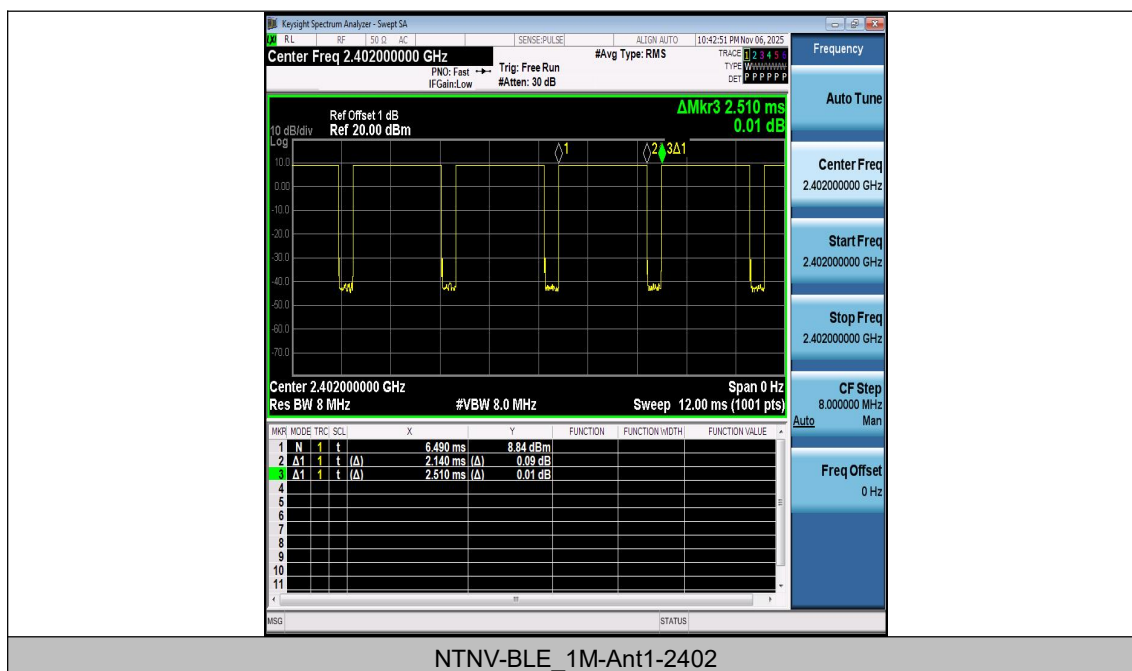
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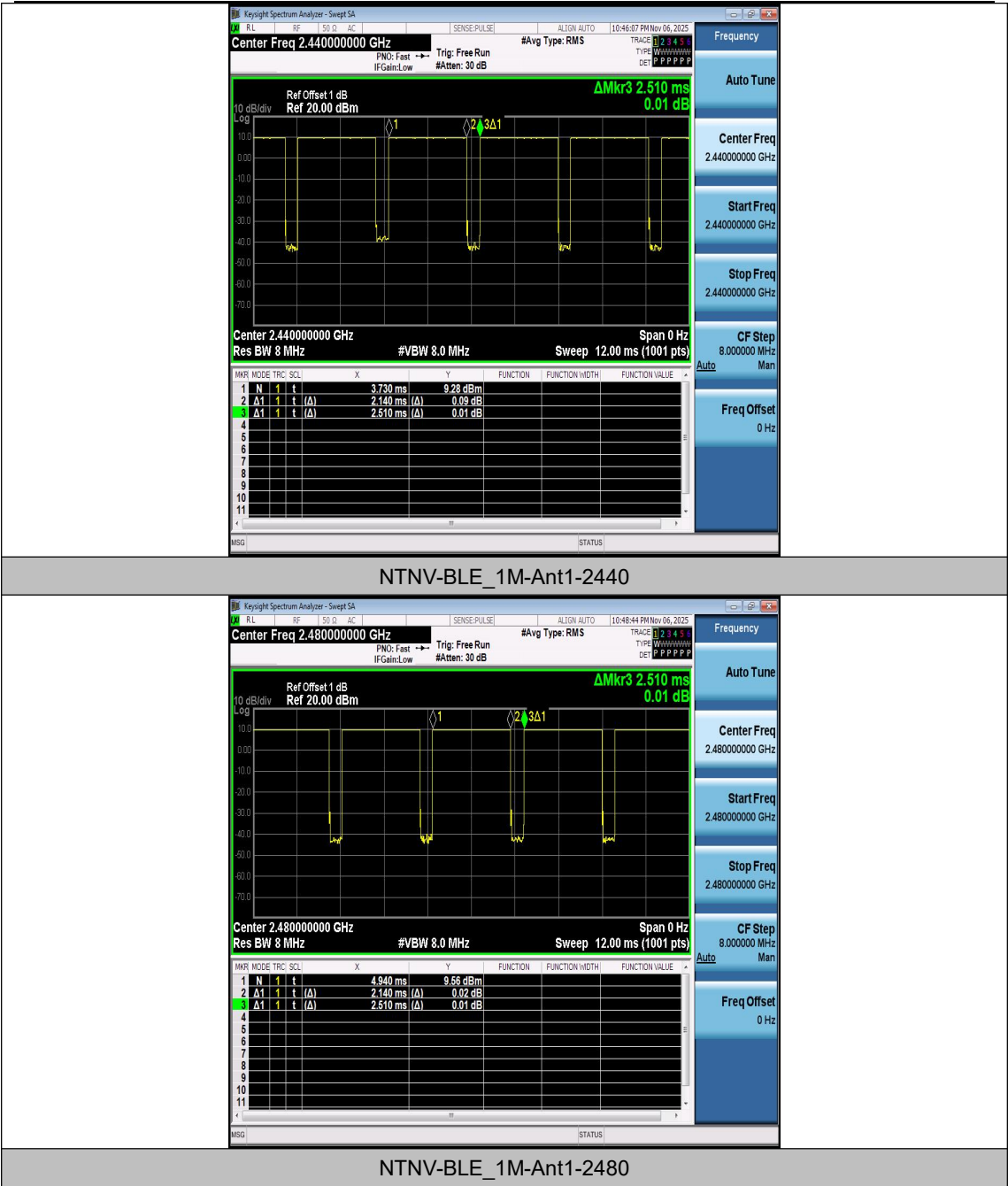
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.14	2.51	85.26	0.69
BLE_1M	Ant1	2440	2.14	2.51	85.26	0.69
BLE_1M	Ant1	2480	2.14	2.51	85.26	0.69

Test Graphs





---End---