

Appendix Test Data

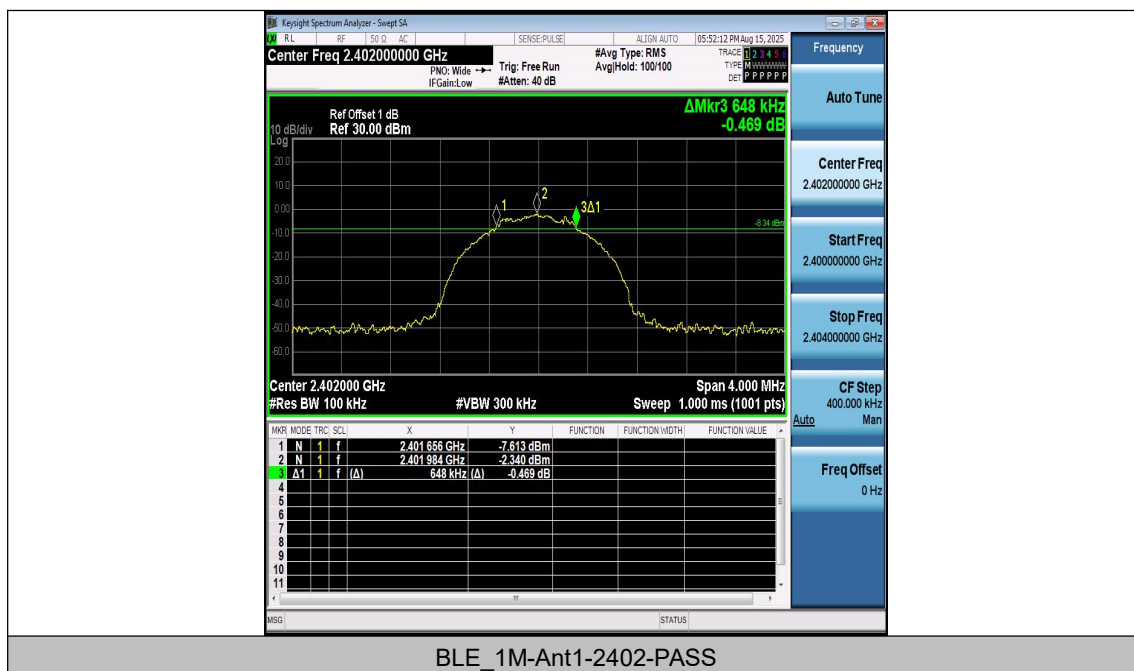
Report No.:	1812C50389112502	Test Sample No.:	1-2-2
Start Test Date:	2025-08-15	Finish Test Date:	2025-08-15
Test Engineer:	Alex Peng	Auditor:	Justin Feng
Temperature:	25.9°C	Relative Humidity:	58%
Pressure:	101kPa		

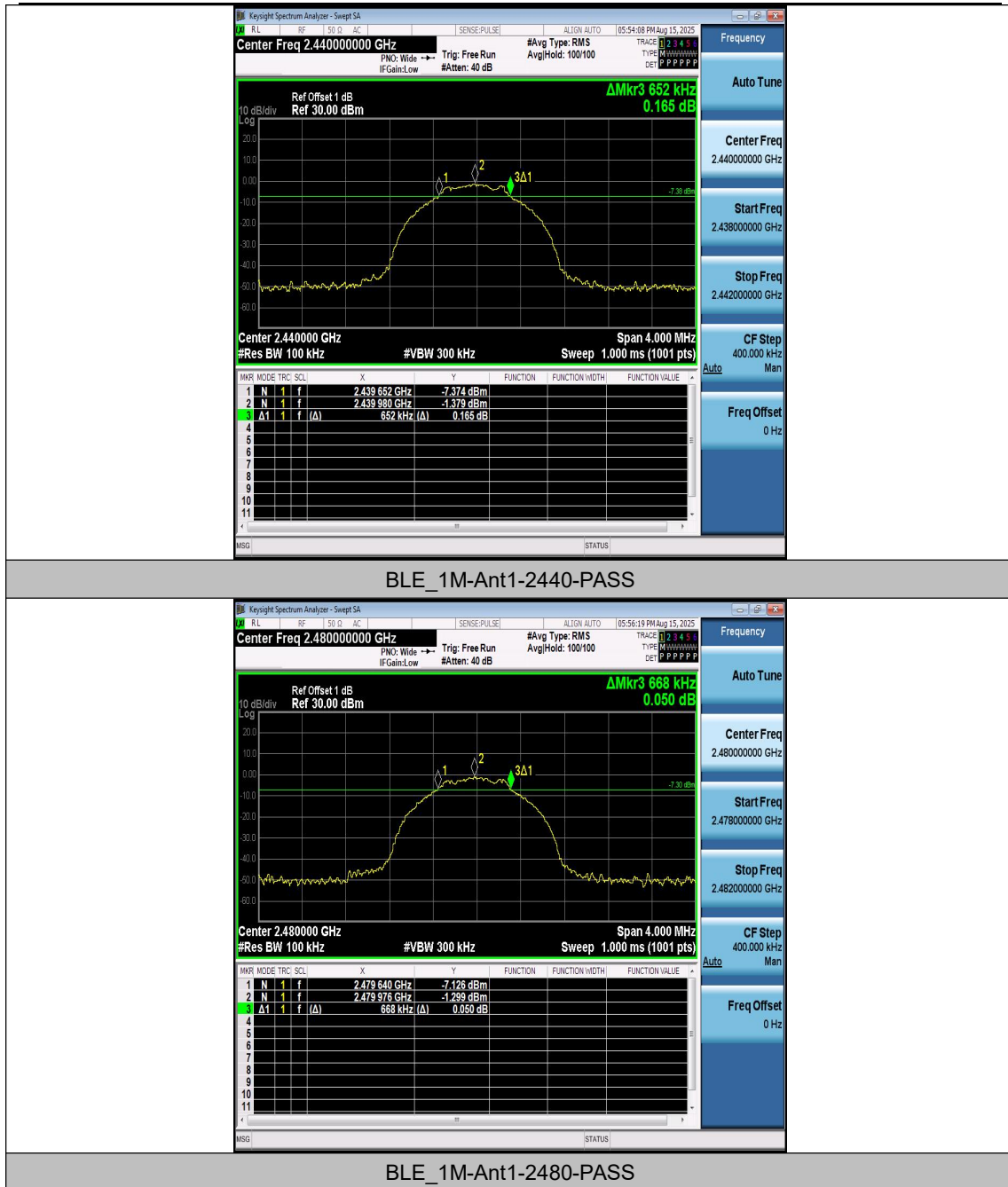
Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.648	2401.656	2402.304	0.5	PASS
BLE_1M	Ant1	2440	0.652	2439.652	2440.304	0.5	PASS
BLE_1M	Ant1	2480	0.668	2479.640	2480.308	0.5	PASS

Test Graphs





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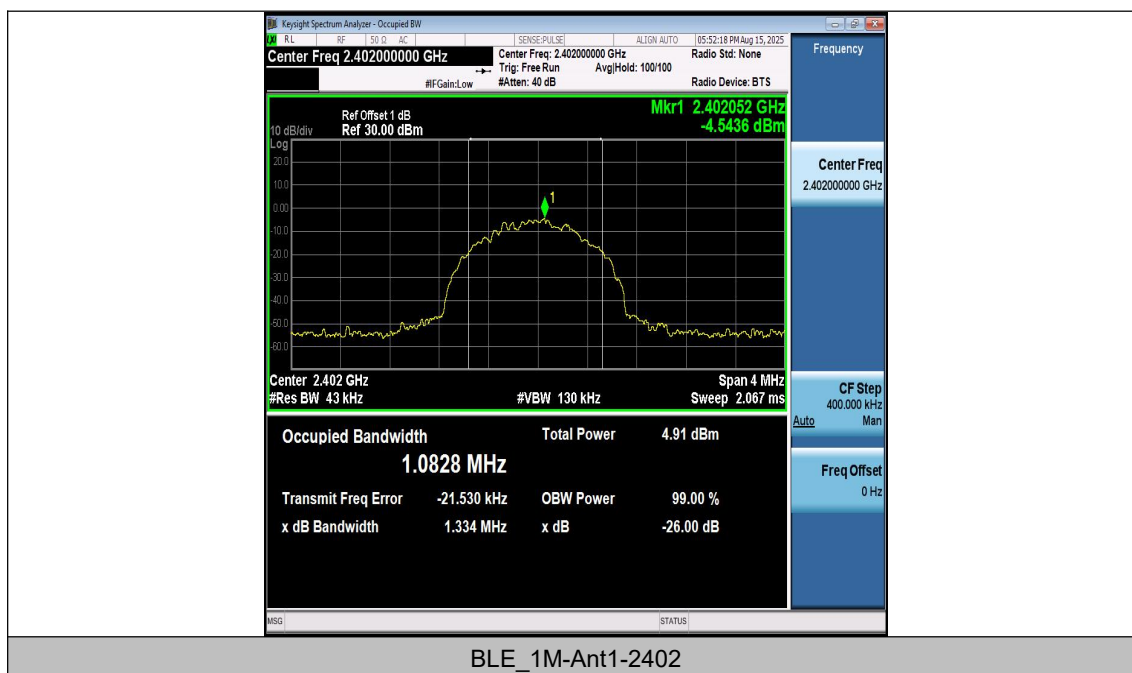
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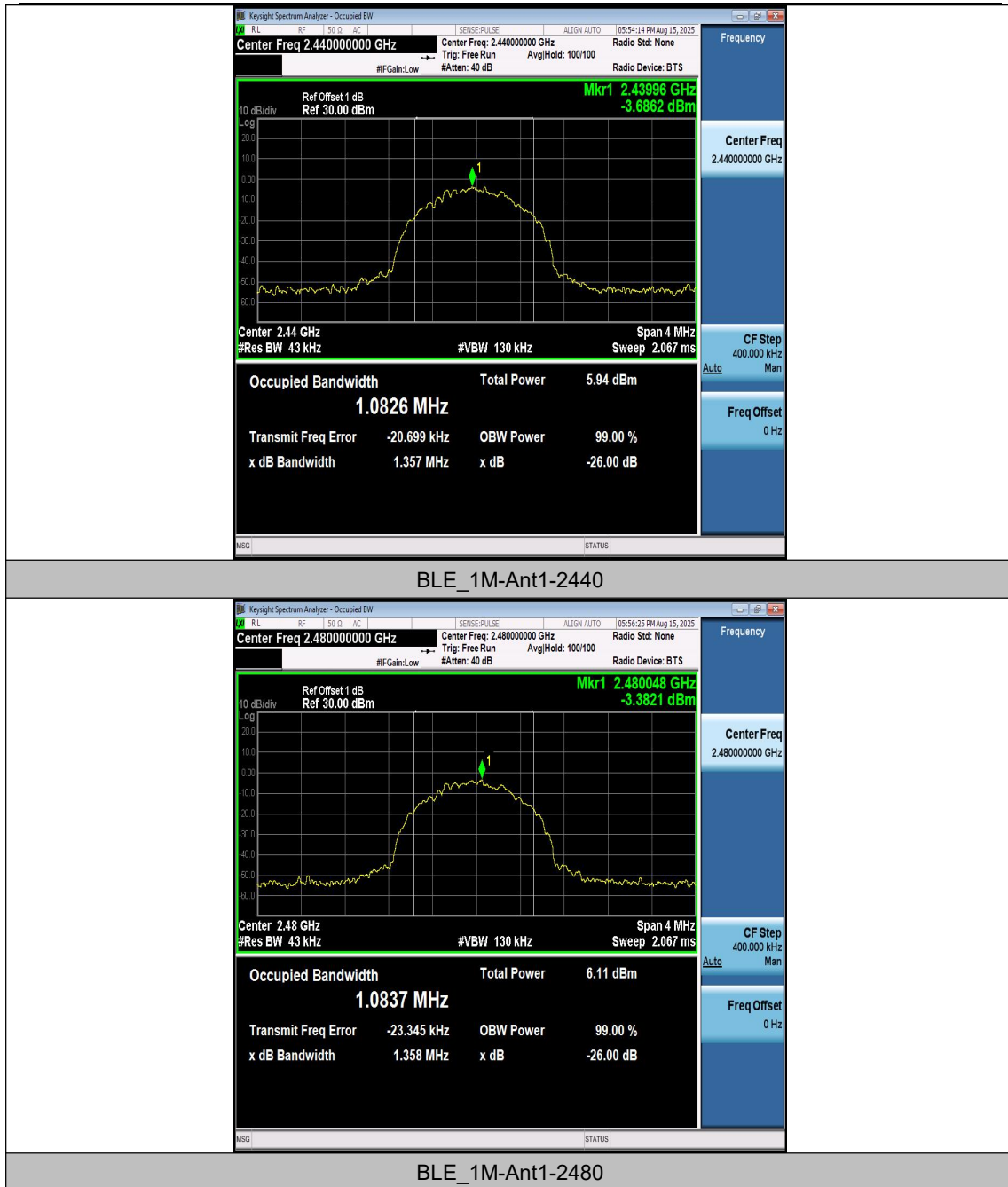
Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0828	2401.4371	2402.5199	---	---
BLE_1M	Ant1	2440	1.0826	2439.4380	2440.5206	---	---
BLE_1M	Ant1	2480	1.0837	2479.4348	2480.5185	---	---

Test Graphs





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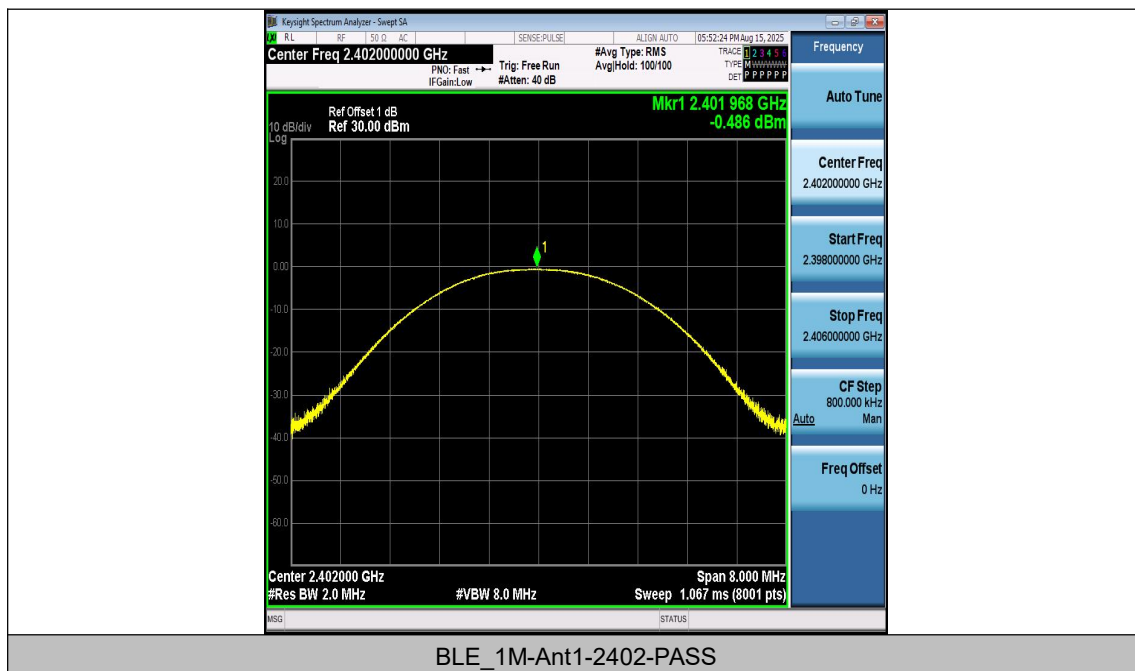
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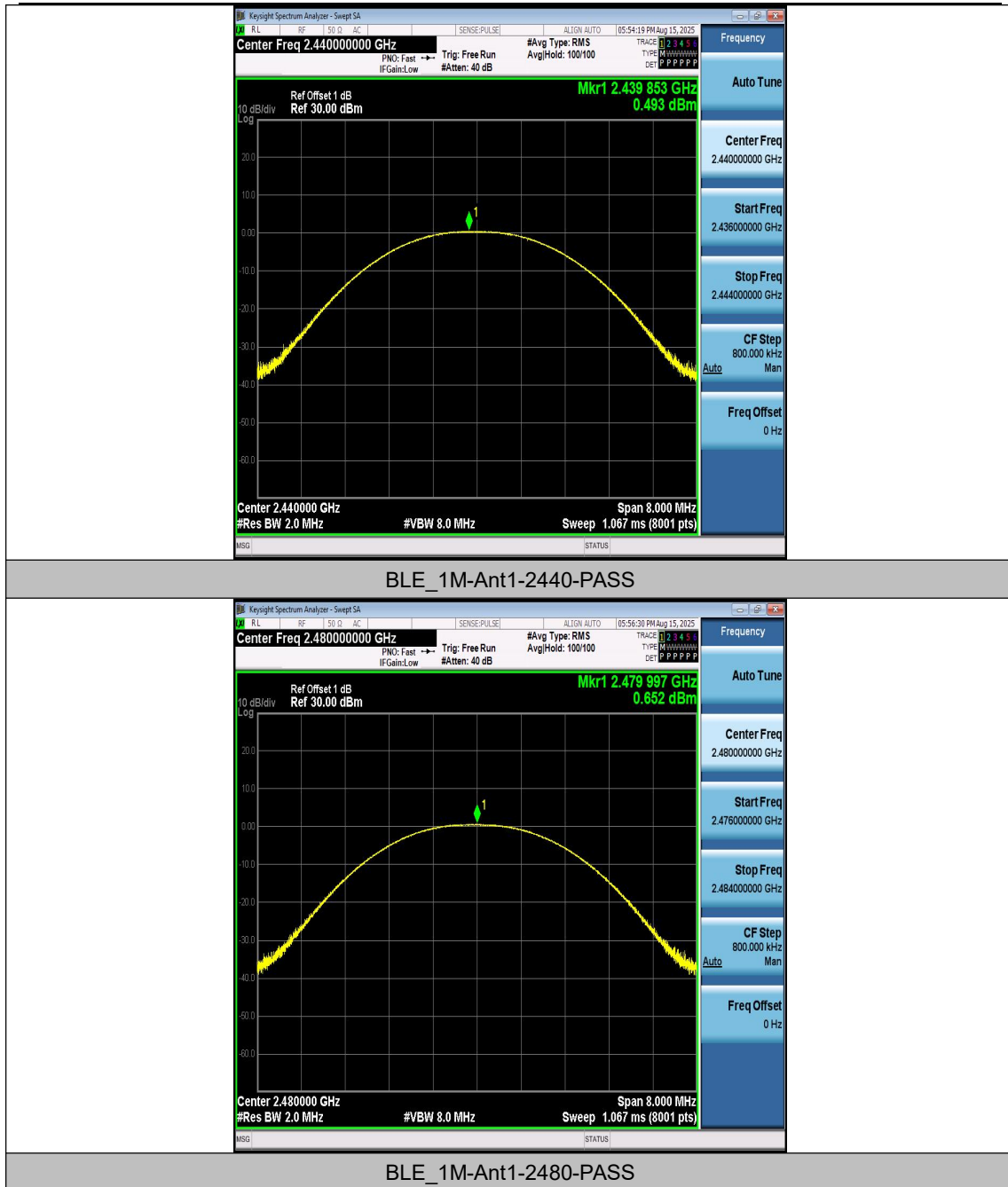
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.49	≤30	PASS
BLE_1M	Ant1	2440	0.49	≤30	PASS
BLE_1M	Ant1	2480	0.65	≤30	PASS

Test Graphs Peak





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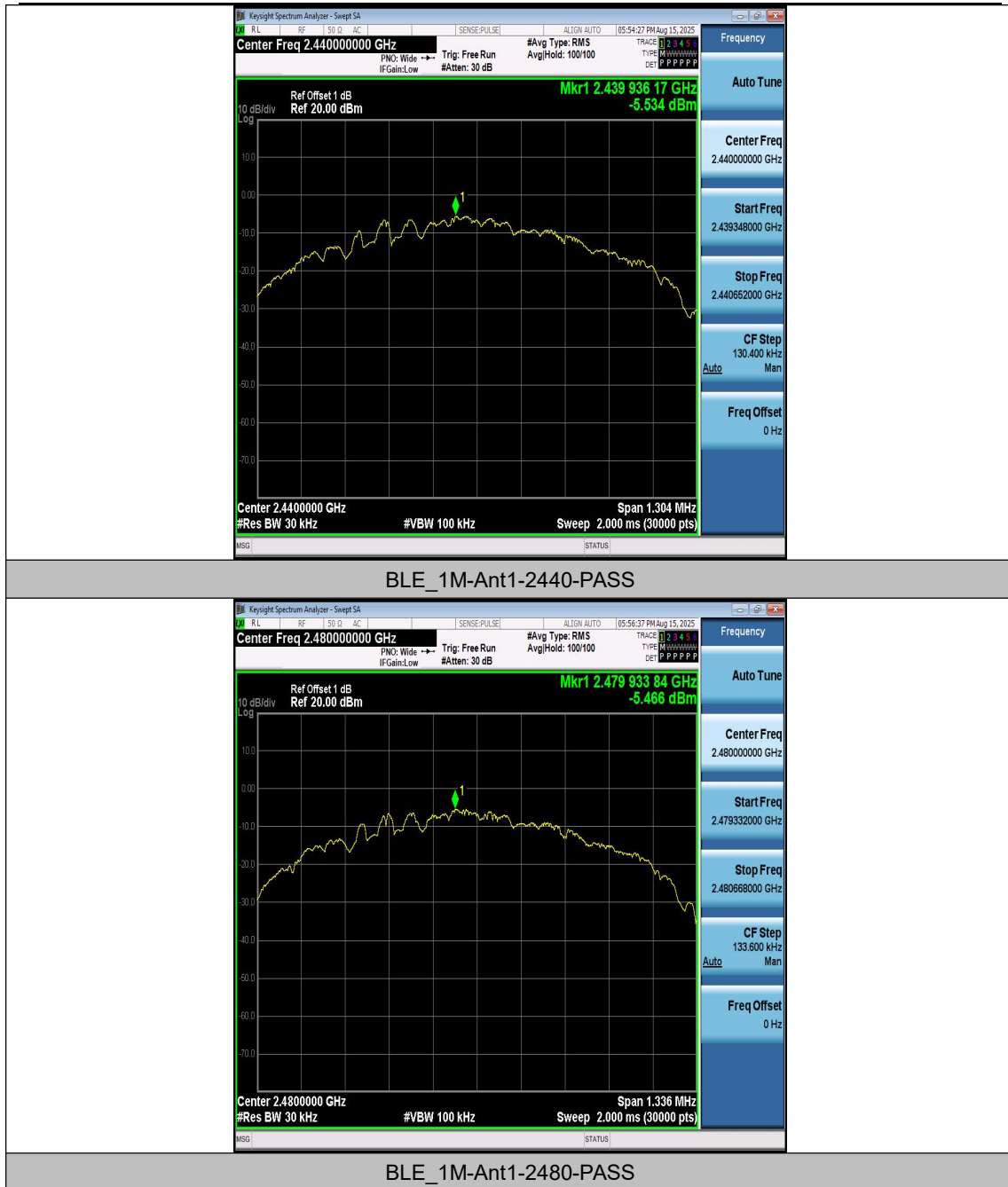
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/30kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-6.53	≤8.00	PASS
BLE_1M	Ant1	2440	-5.53	≤8.00	PASS
BLE_1M	Ant1	2480	-5.47	≤8.00	PASS

Test Graphs





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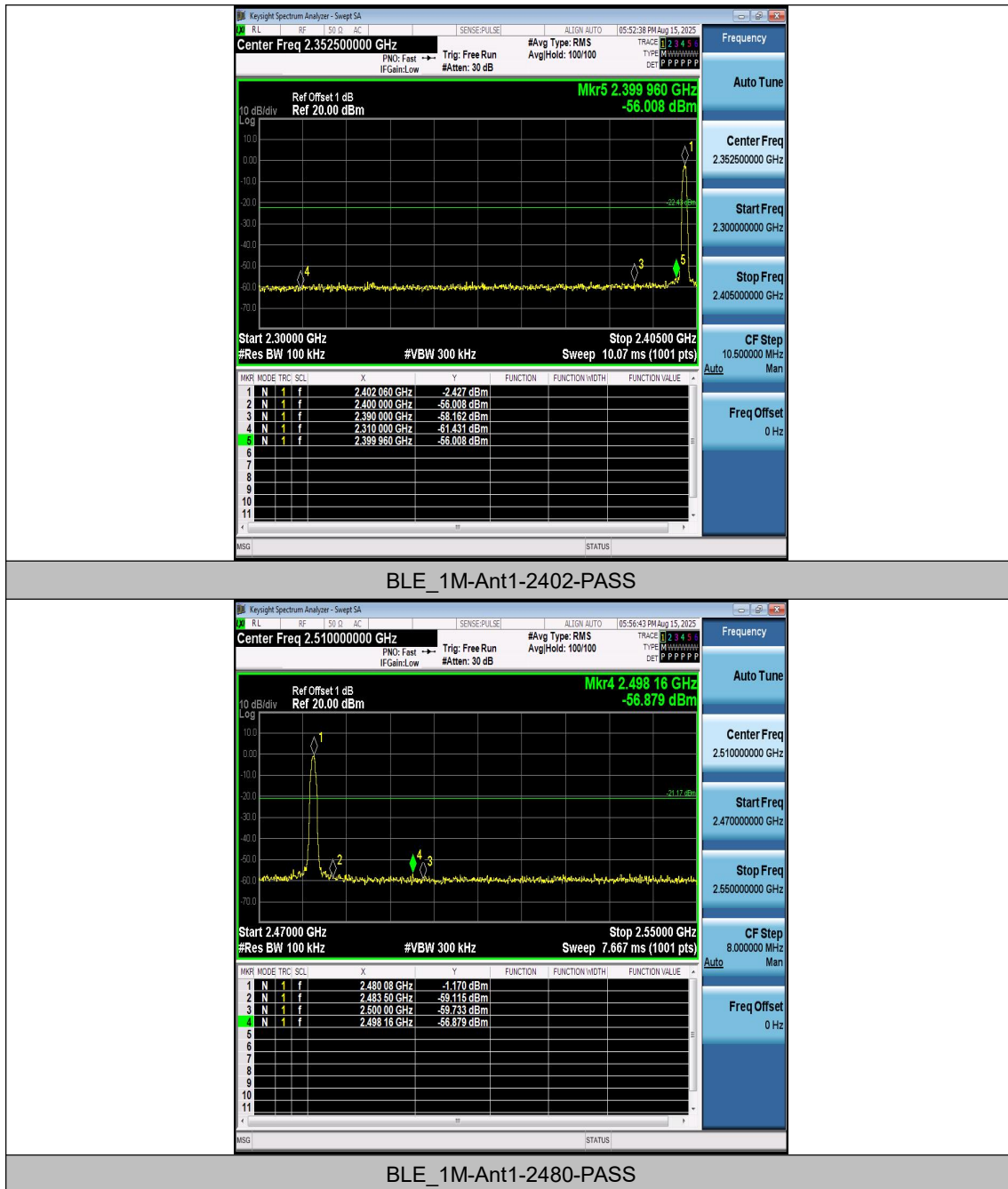
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-2.43	-56.01	≤-22.43	PASS
BLE_1M	Ant1	High	2480	-1.17	-56.88	≤-21.17	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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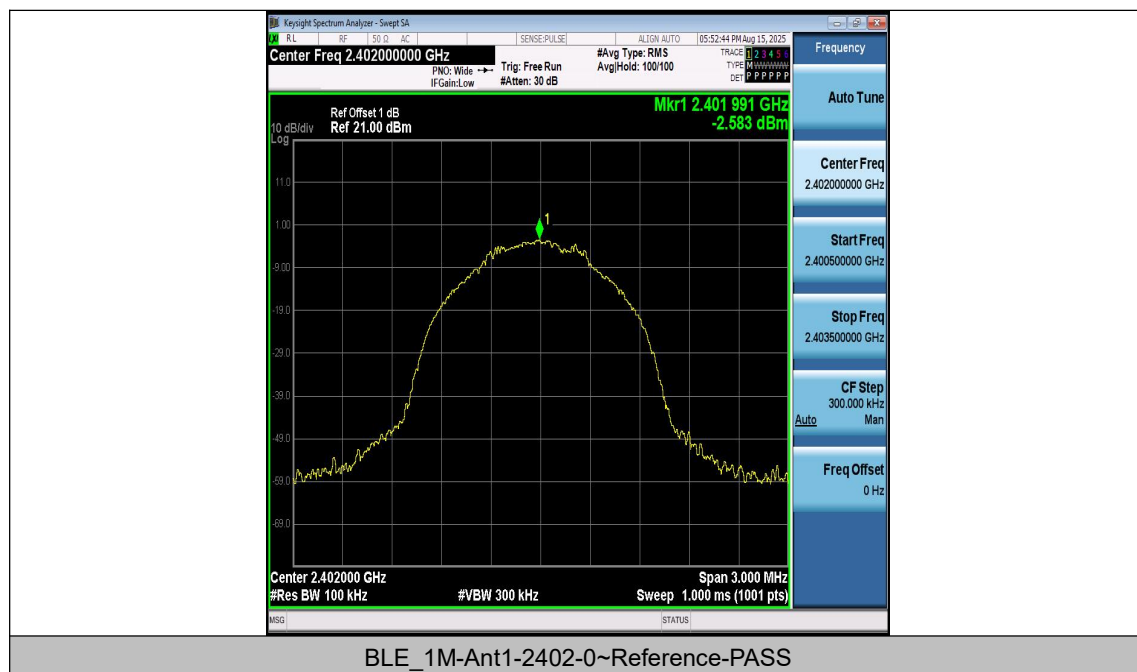
Appendix F: Conducted Spurious Emission

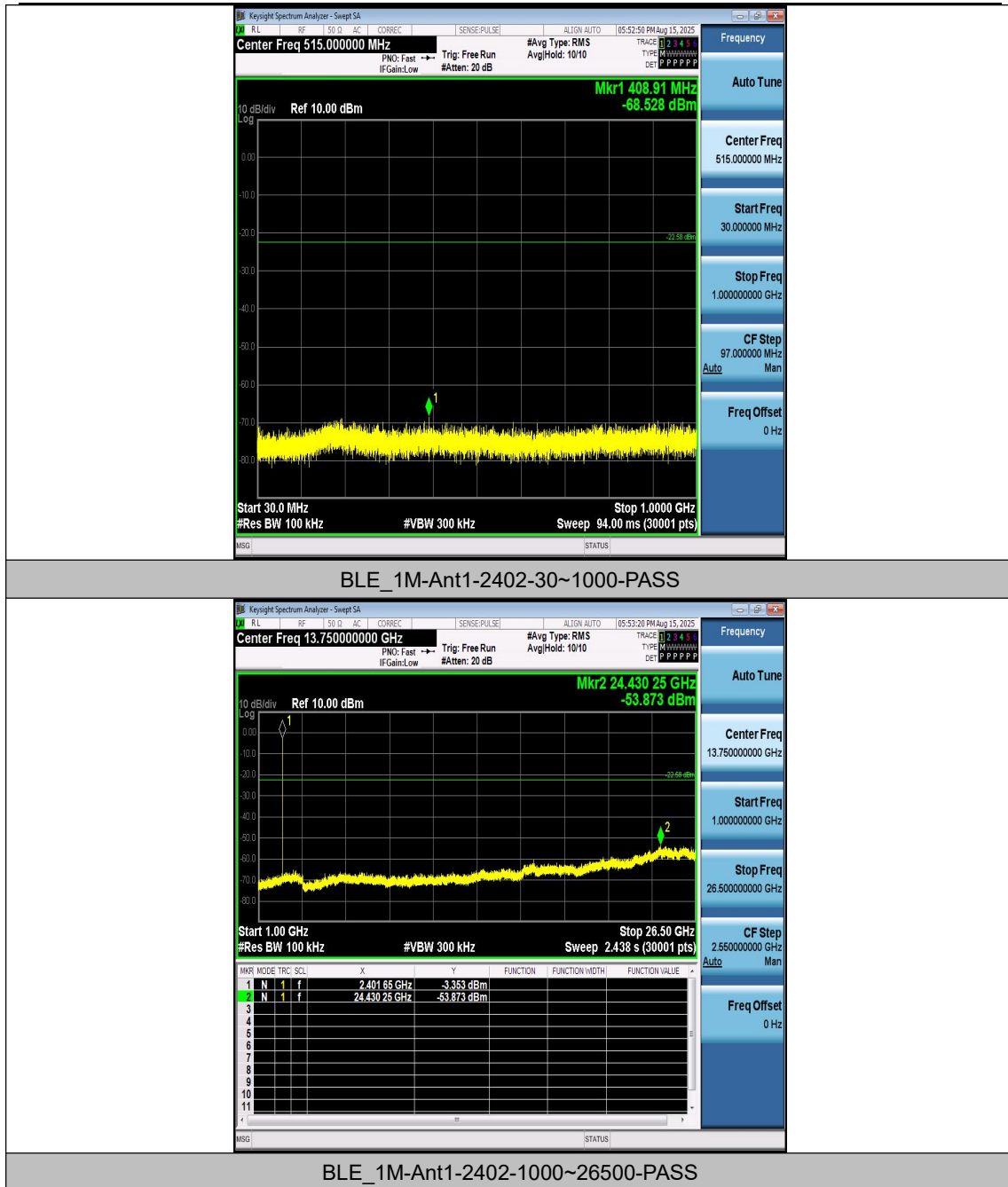
Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-2.58	-2.58	---	PASS
BLE_1M	Ant1	2402	30~1000	-2.58	-68.53	≤-22.58	PASS
BLE_1M	Ant1	2402	1000~26500	-2.58	-53.87	≤-22.58	PASS
BLE_1M	Ant1	2440	0~Reference	-1.52	-1.52	---	PASS
BLE_1M	Ant1	2440	30~1000	-1.52	-68.84	≤-21.52	PASS
BLE_1M	Ant1	2440	1000~26500	-1.52	-53.52	≤-21.52	PASS
BLE_1M	Ant1	2480	0~Reference	-1.51	-1.51	---	PASS
BLE_1M	Ant1	2480	30~1000	-1.51	-68.43	≤-21.51	PASS
BLE_1M	Ant1	2480	1000~26500	-1.51	-52.47	≤-21.51	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

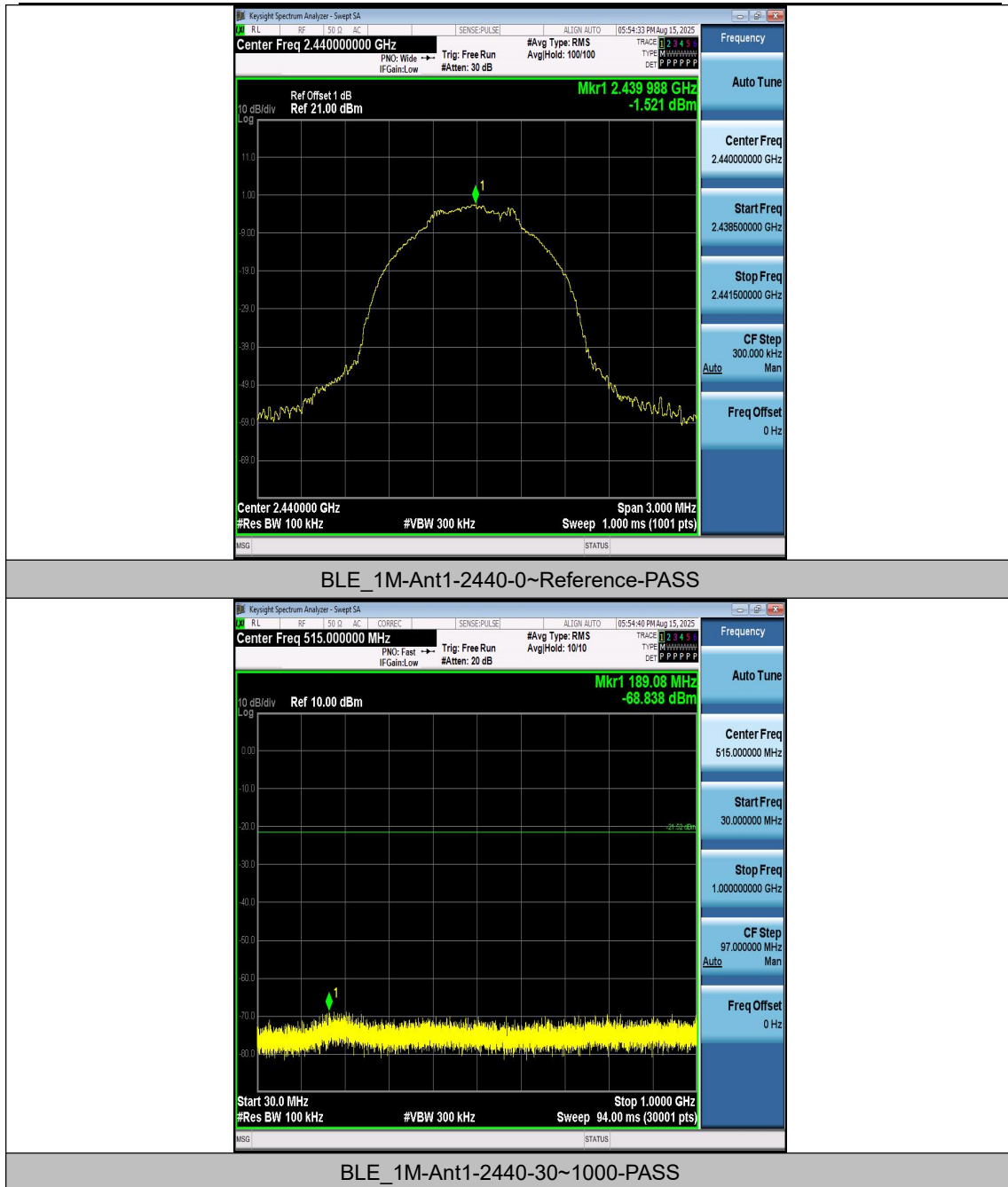




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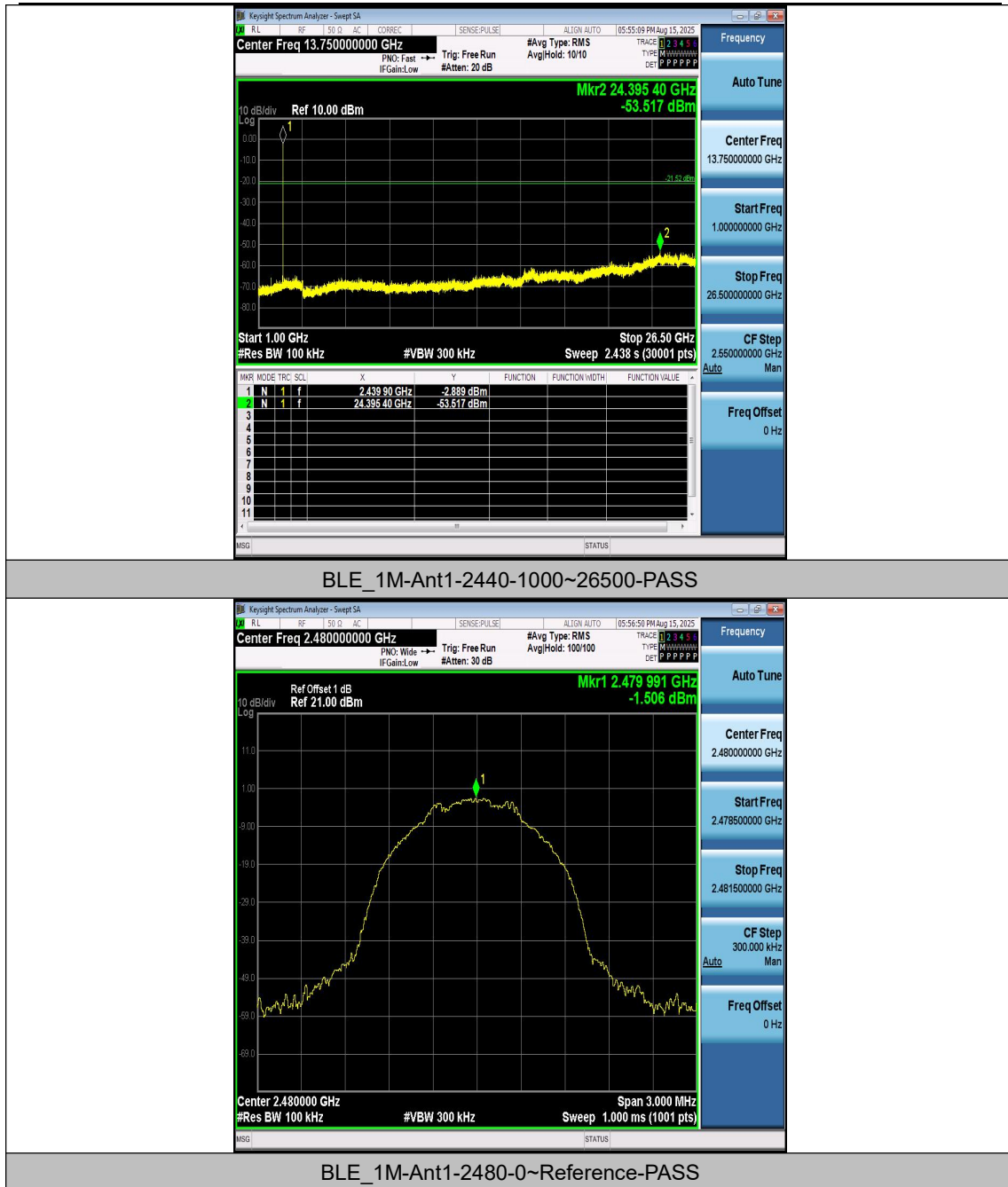
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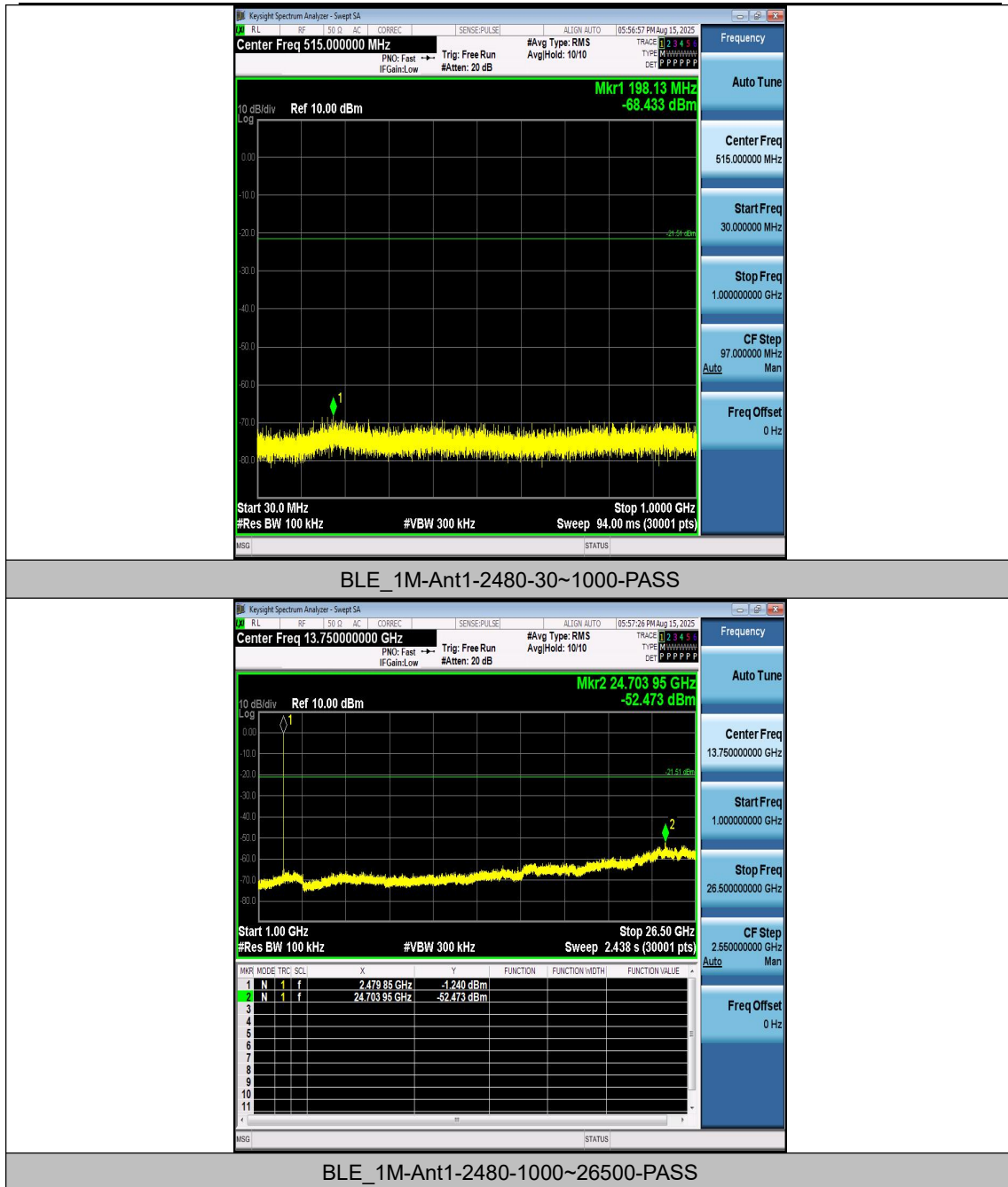
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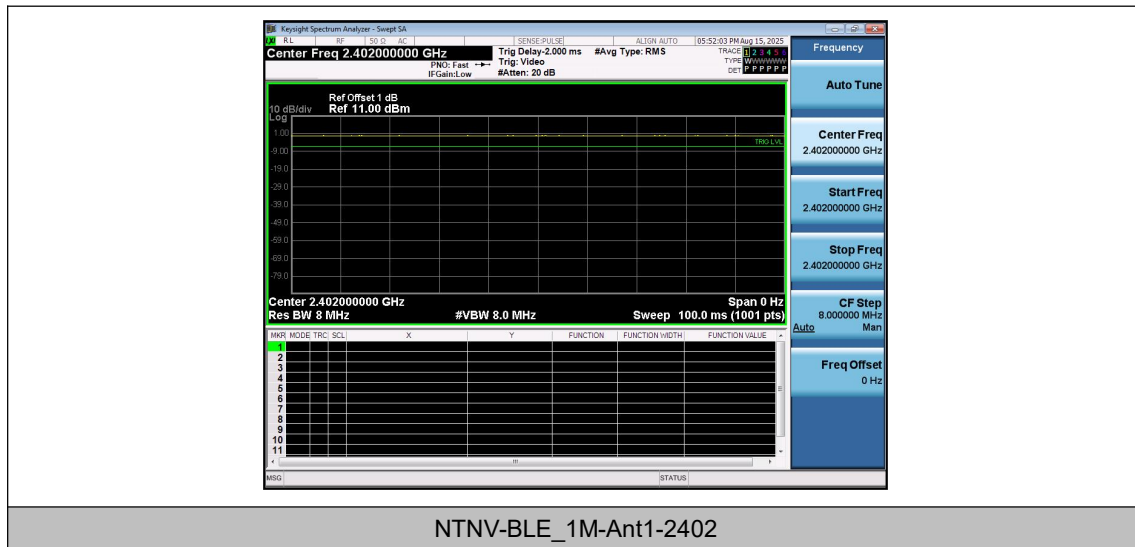
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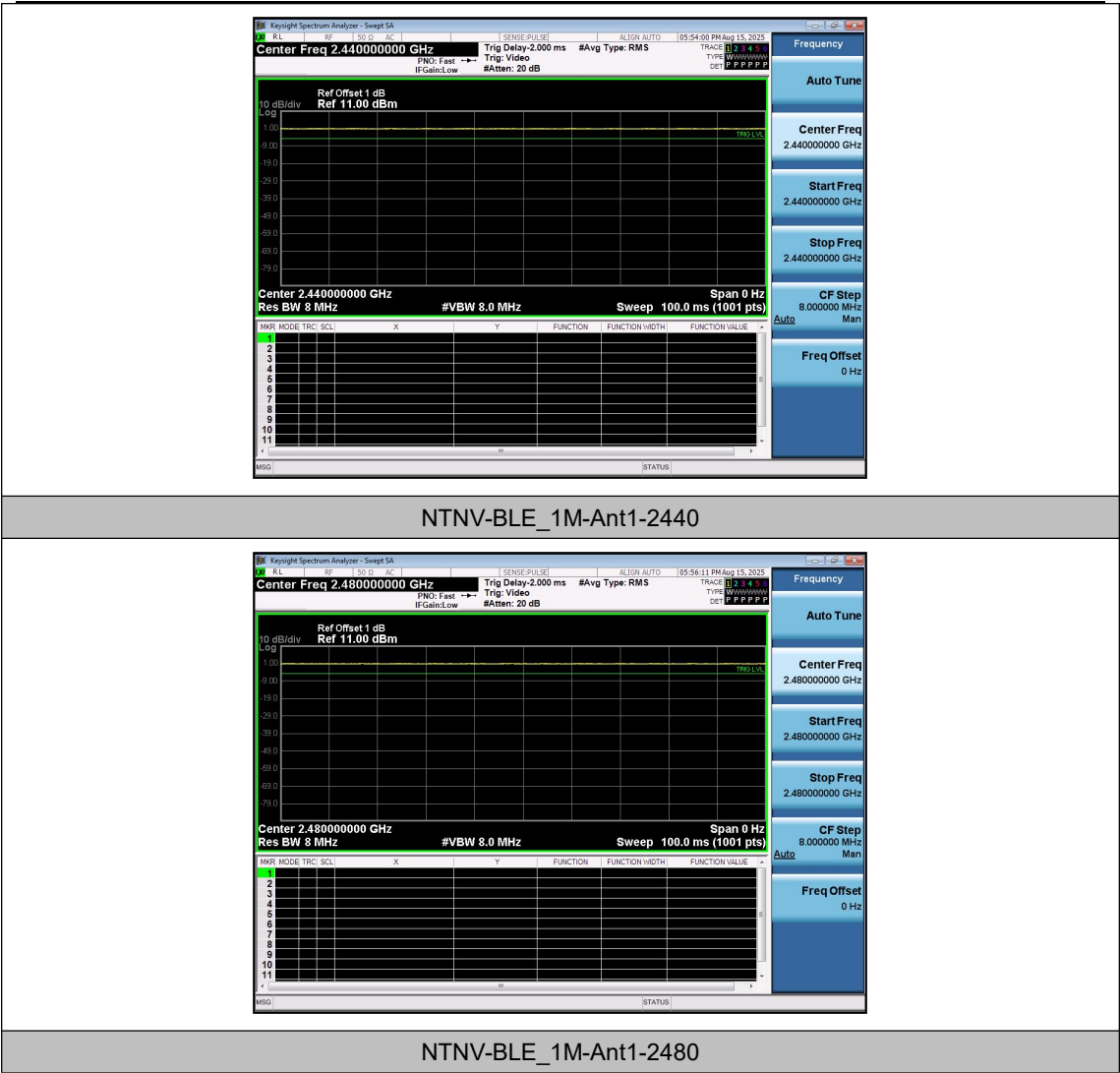
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	100.00	100.00	100.00	0.00
BLE_1M	Ant1	2440	100.00	100.00	100.00	0.00
BLE_1M	Ant1	2480	100.00	100.00	100.00	0.00

Test Graphs





---End---