

Appendix Test Data

Report No.:	1814C50338612501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-10-31	Finish Test Date:	2025-11-5
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.6°C	Relative Humidity:	43%
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	2401.688	2402.352	0.5	PASS
BLE_1M	Ant1	2440	0.668	2439.684	2440.352	0.5	PASS
BLE_1M	Ant1	2480	0.652	2479.700	2480.352	0.5	PASS

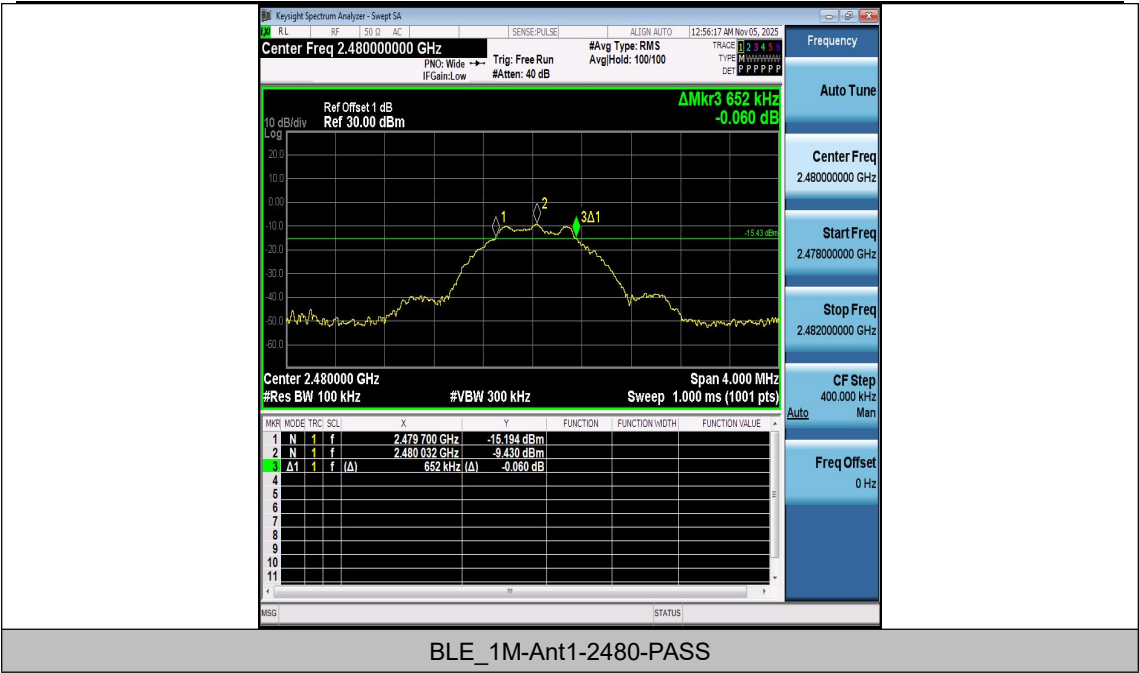
Test Graphs



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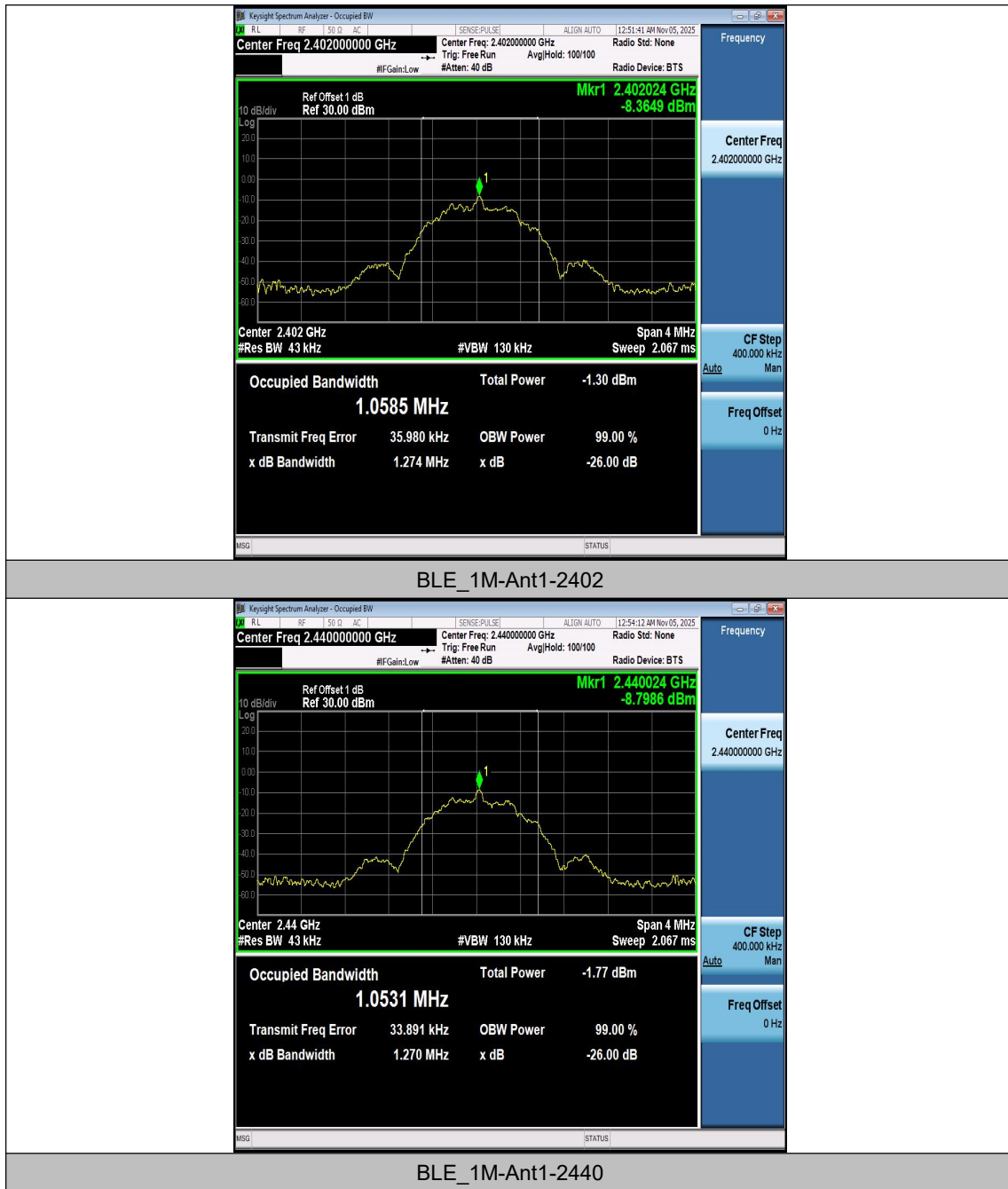
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Appendix B: 99% Occupied Bandwidth**Test Result**

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0585	2401.5067	2402.5652	---	---
BLE_1M	Ant1	2440	1.0531	2439.5073	2440.5604	---	---
BLE_1M	Ant1	2480	1.0555	2479.5100	2480.5655	---	---

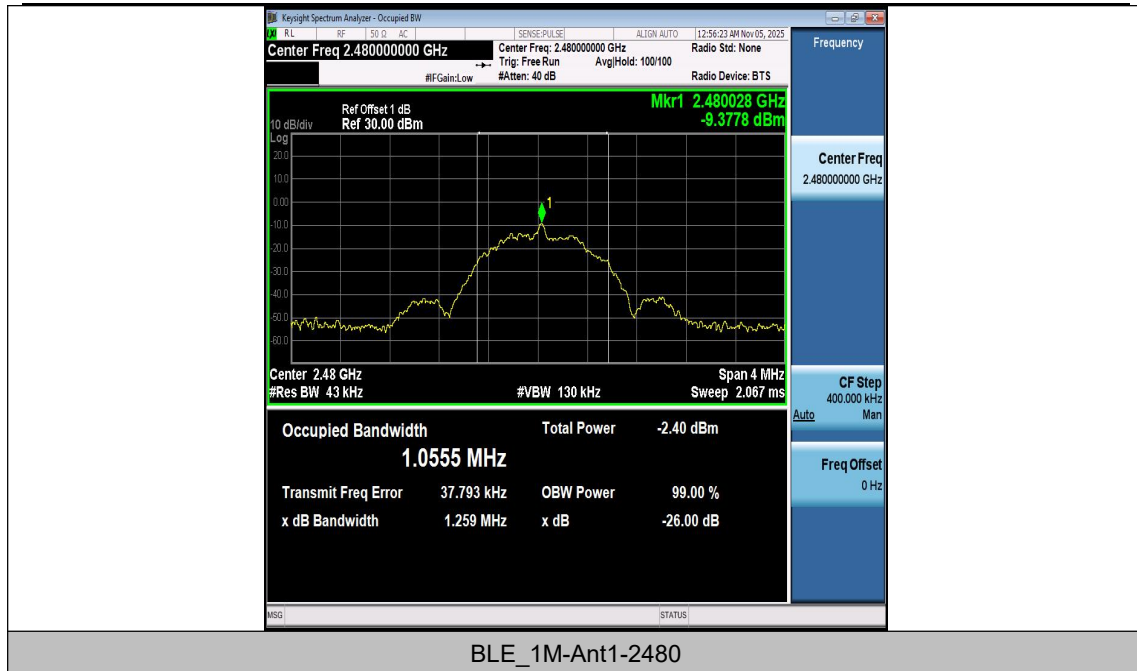
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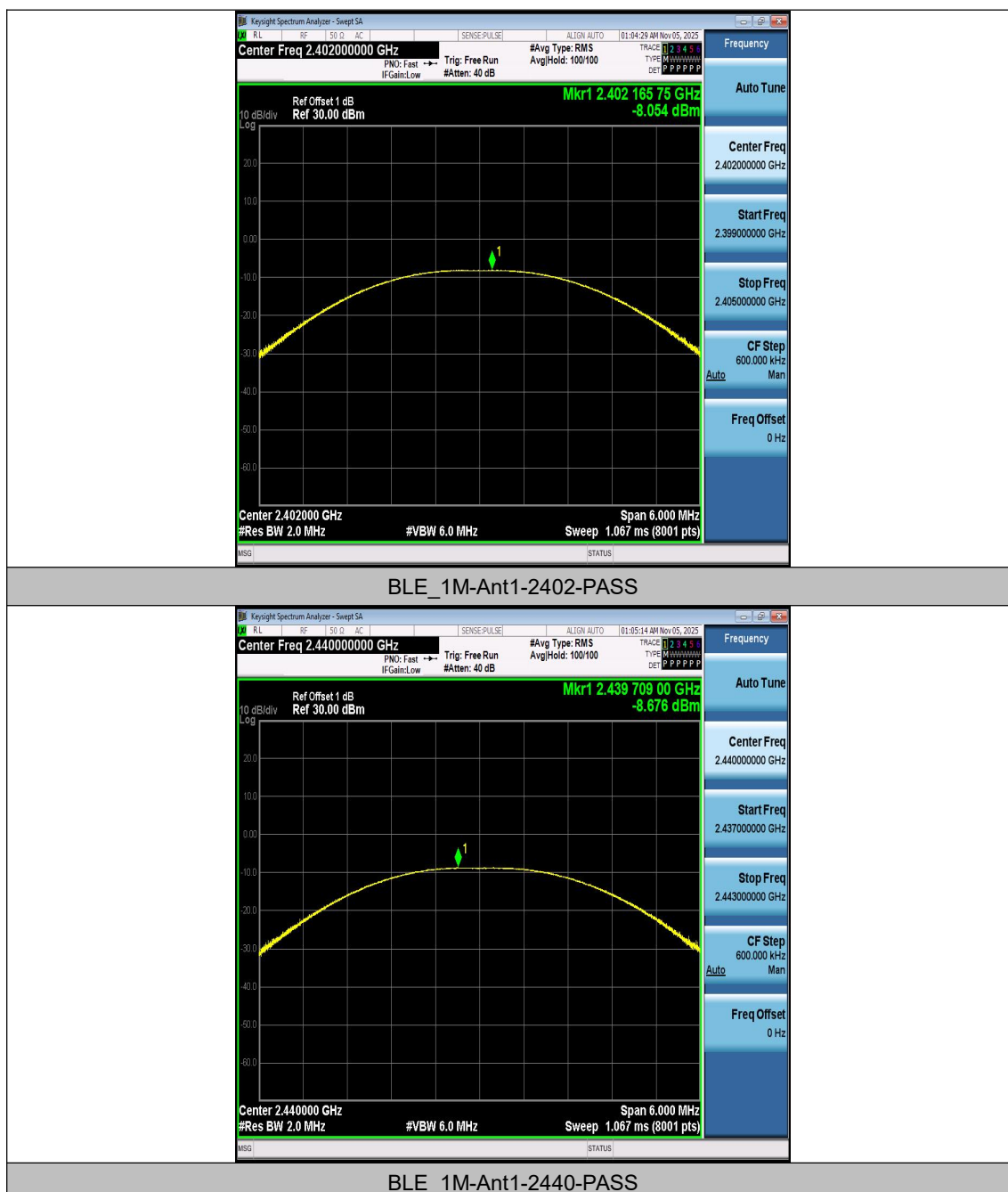
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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-8.05	≤30	PASS
BLE_1M	Ant1	2440	-8.68	≤30	PASS
BLE_1M	Ant1	2480	-9.10	≤30	PASS

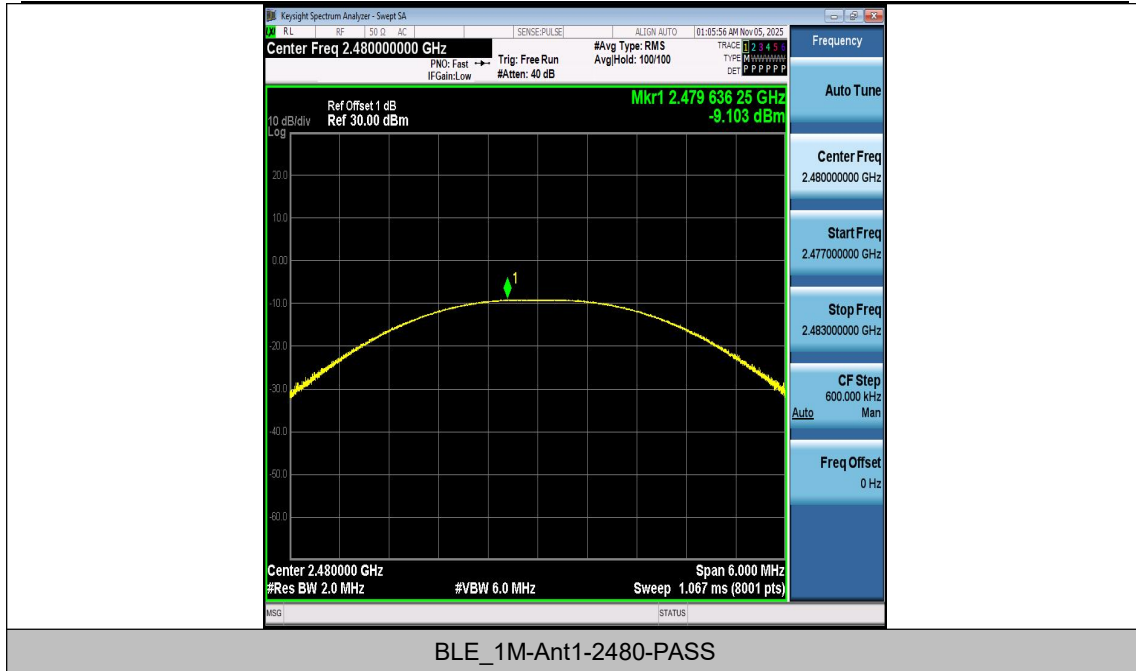
Test Graphs Peak



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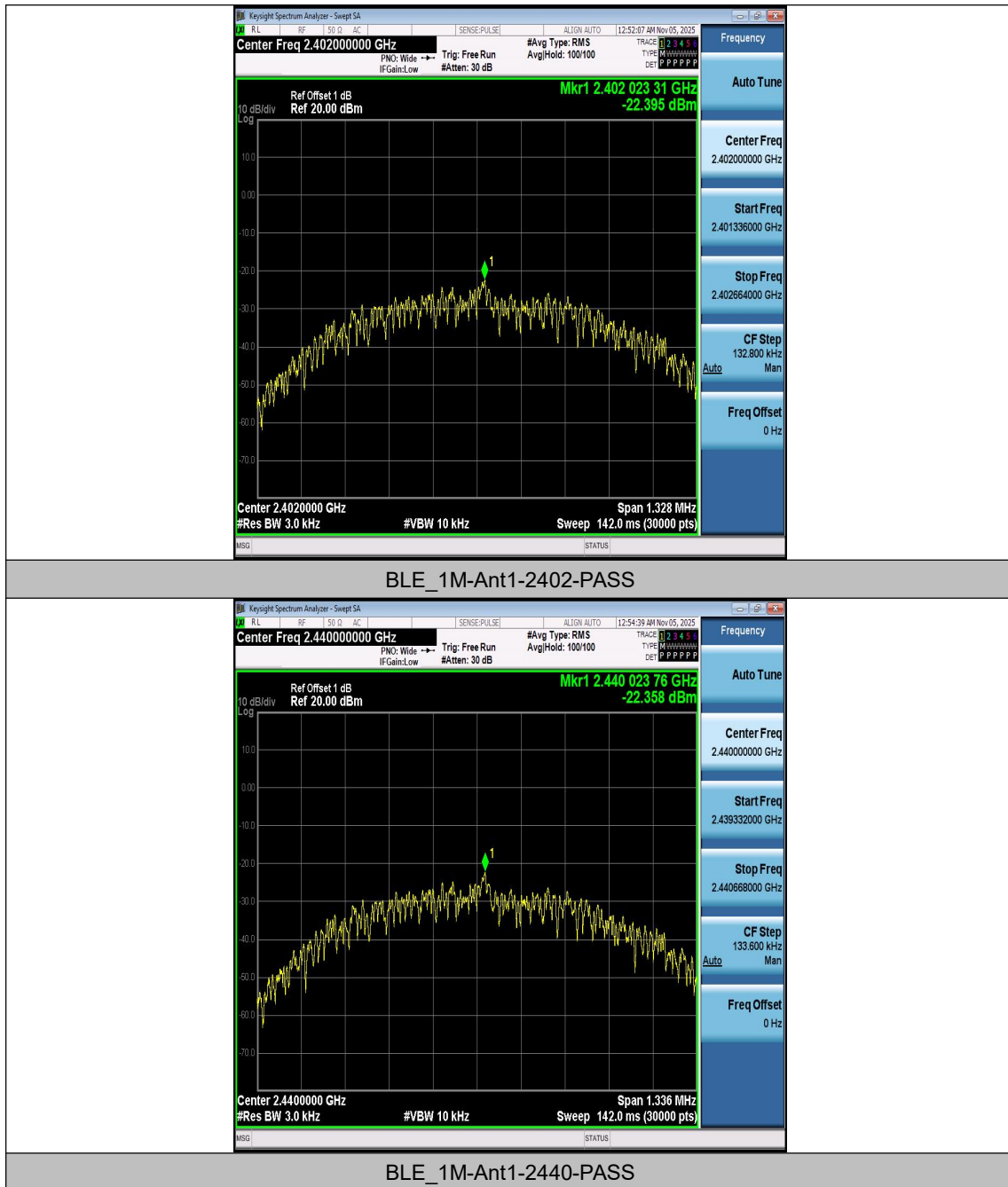
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-22.40	≤8.00	PASS
BLE_1M	Ant1	2440	-22.36	≤8.00	PASS
BLE_1M	Ant1	2480	-22.66	≤8.00	PASS

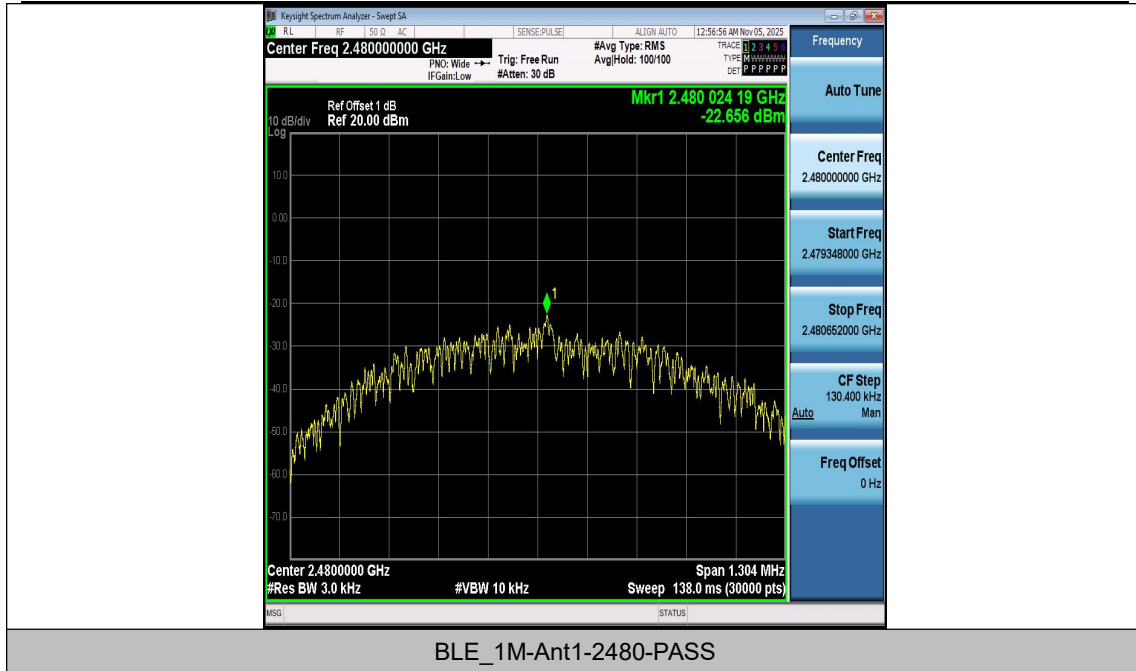
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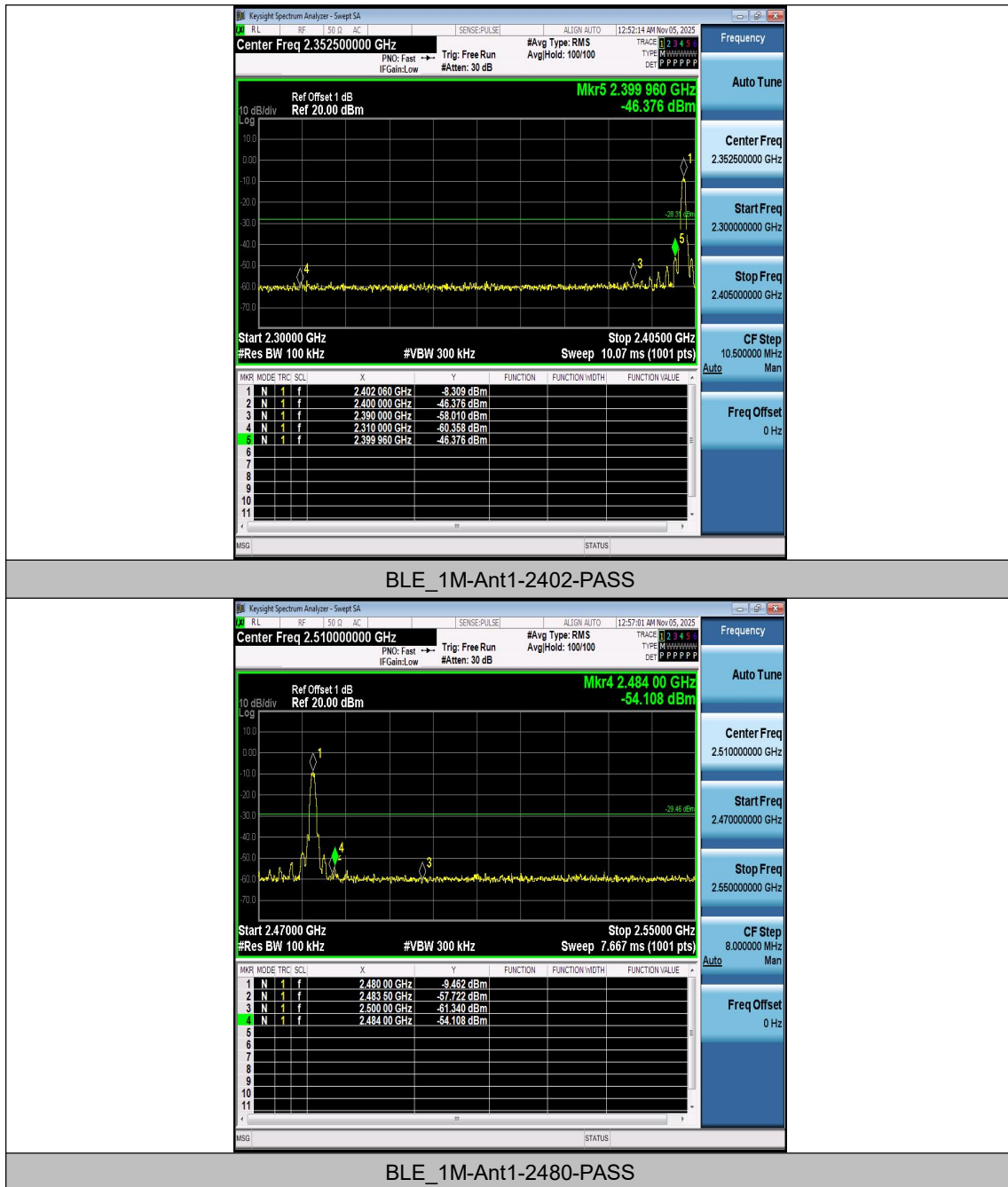
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-8.31	-46.38	≤-28.31	PASS
BLE_1M	Ant1	High	2480	-9.46	-54.11	≤-29.46	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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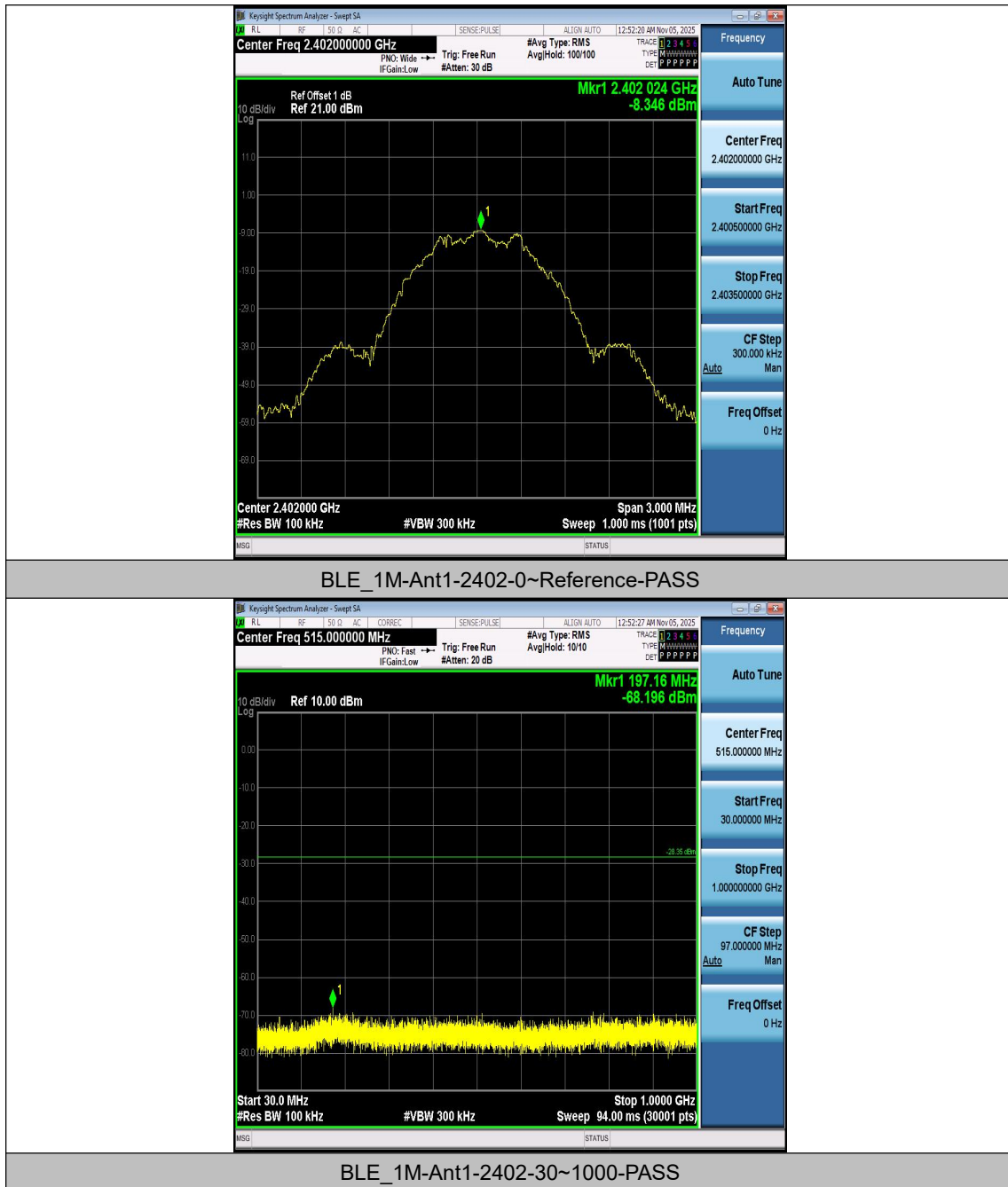
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-8.35	-8.35	---	PASS
BLE_1M	Ant1	2402	30~1000	-8.35	-68.2	≤-28.35	PASS
BLE_1M	Ant1	2402	1000~26500	-8.35	-49.25	≤-28.35	PASS
BLE_1M	Ant1	2440	0~Reference	-8.95	-8.95	---	PASS
BLE_1M	Ant1	2440	30~1000	-8.95	-68.59	≤-28.95	PASS
BLE_1M	Ant1	2440	1000~26500	-8.95	-53.51	≤-28.95	PASS
BLE_1M	Ant1	2480	0~Reference	-9.42	-9.42	---	PASS
BLE_1M	Ant1	2480	30~1000	-9.42	-68.36	≤-29.42	PASS
BLE_1M	Ant1	2480	1000~26500	-9.42	-44.42	≤-29.42	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.

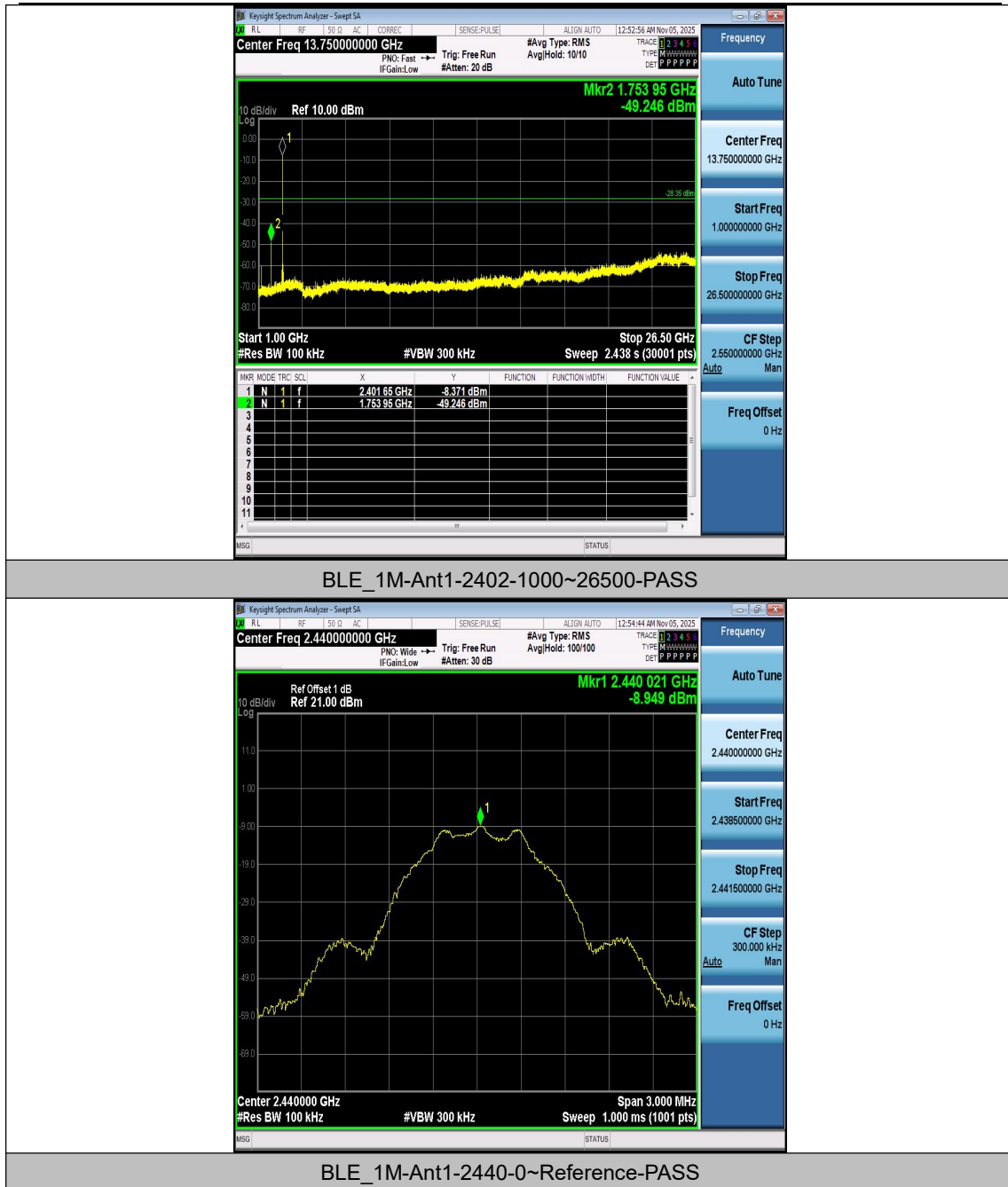
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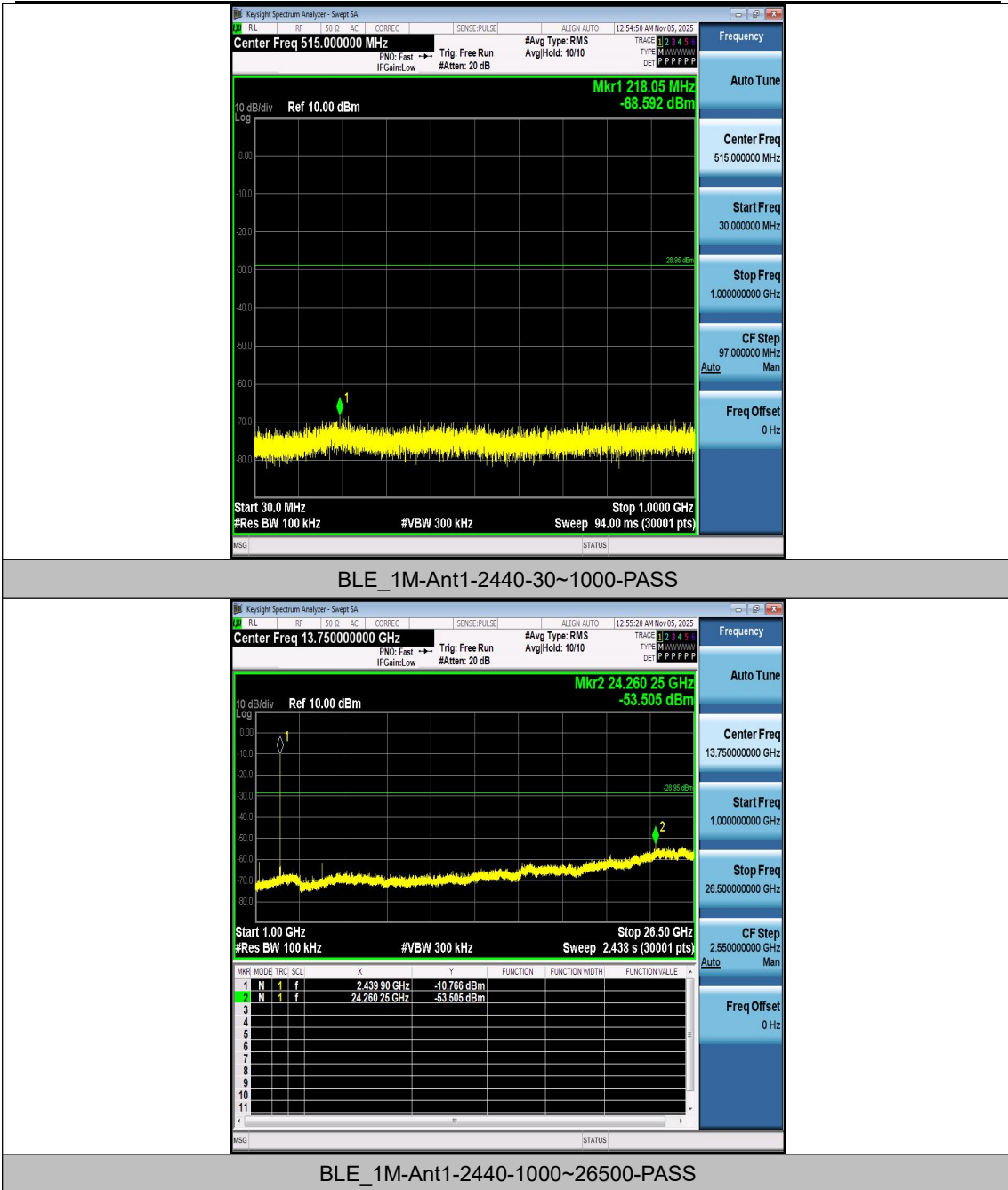
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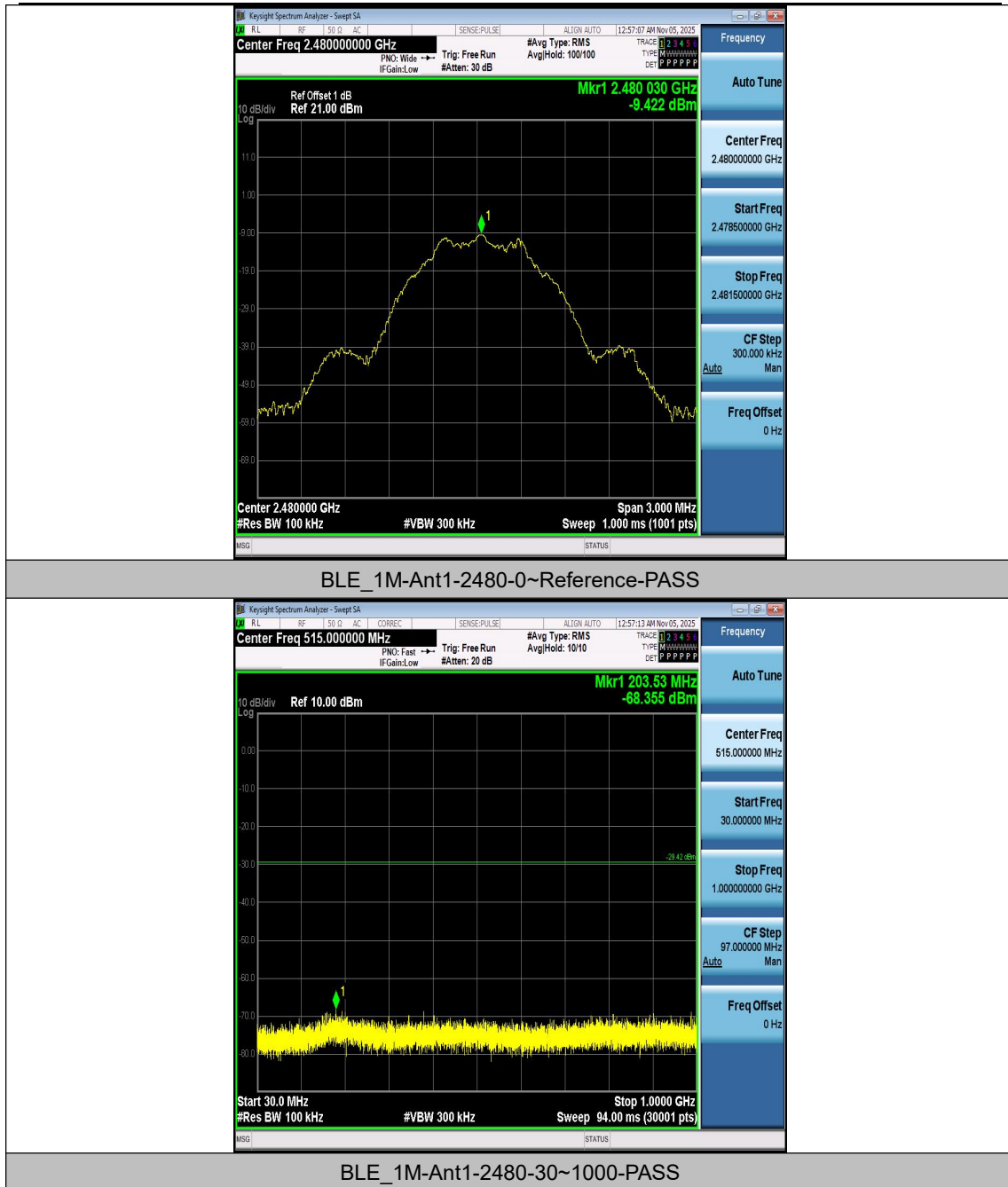
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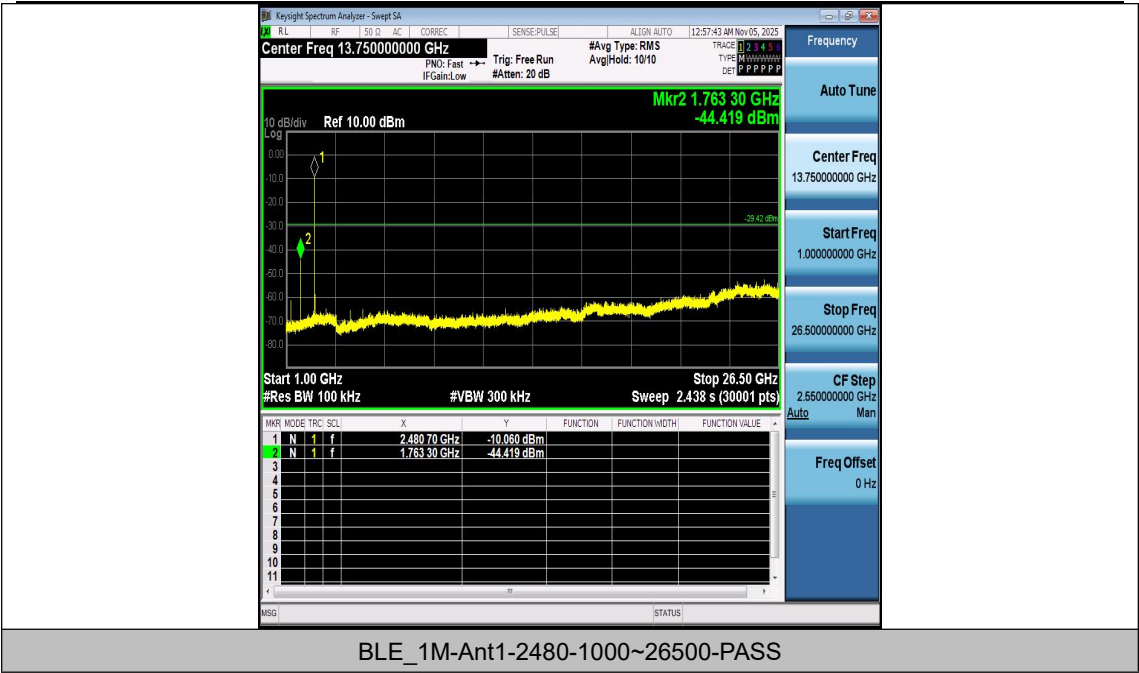
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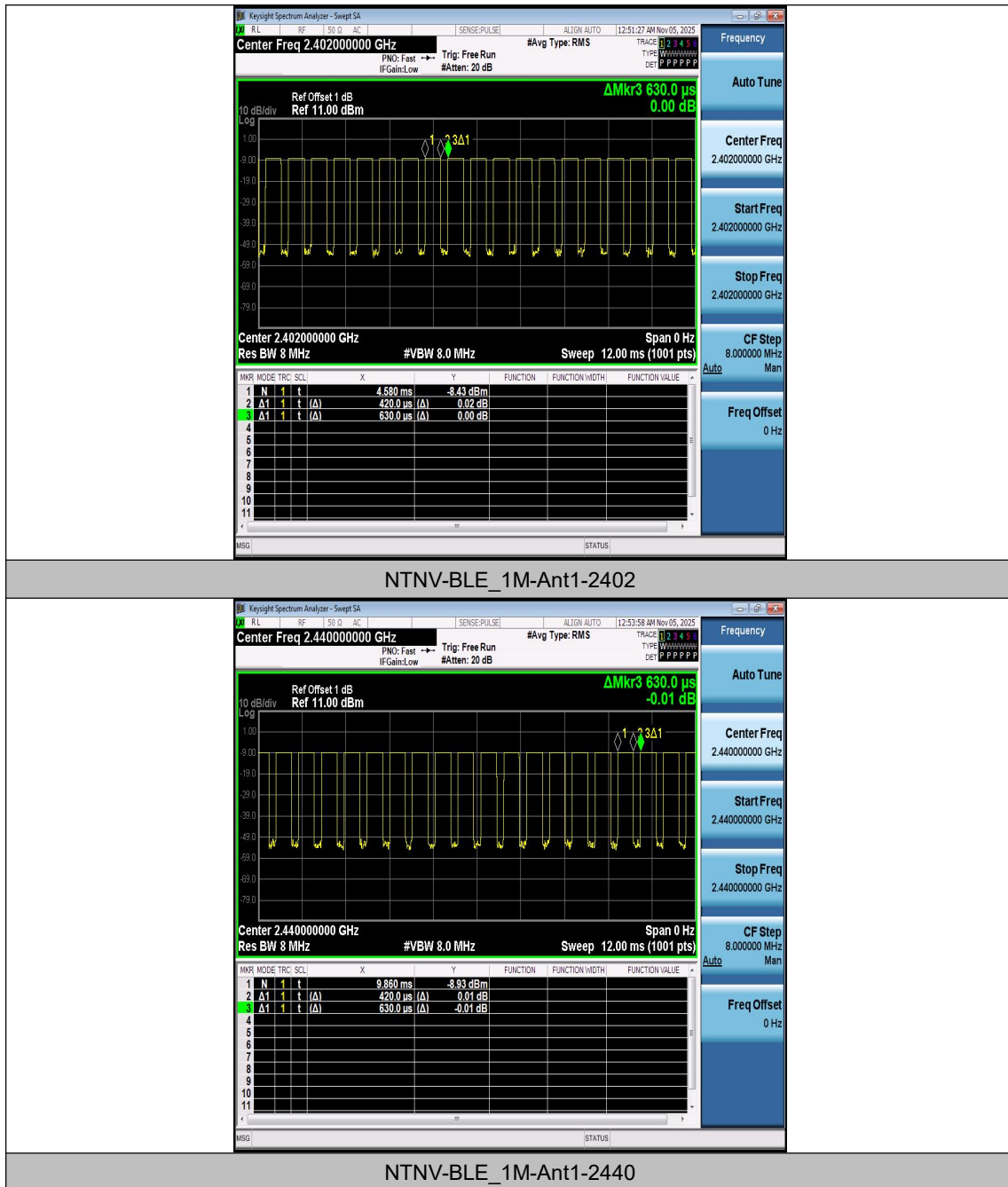
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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.42	0.63	66.67	1.76
BLE_1M	Ant1	2440	0.42	0.63	66.67	1.76
BLE_1M	Ant1	2480	0.42	0.62	67.74	1.69

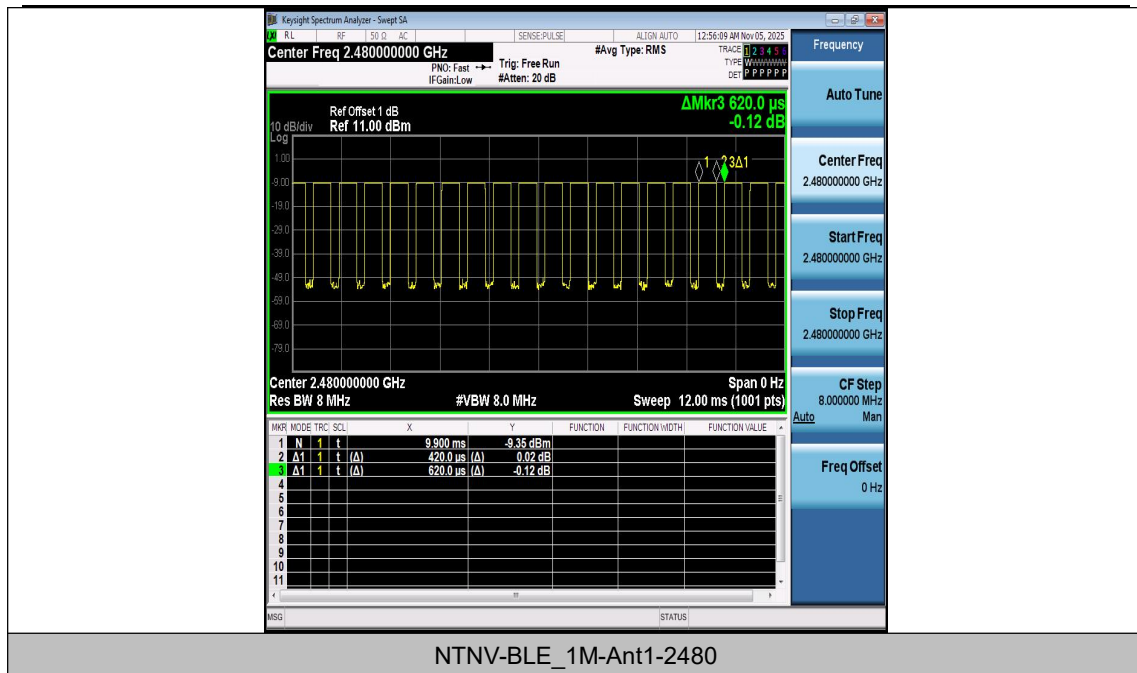
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