

Appendix Test Data

Report No.:	1811C50418412501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-10-28	Finish Test Date:	2025-10-30
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.1°C	Relative Humidity:	50%
Pressure:	101kPa		

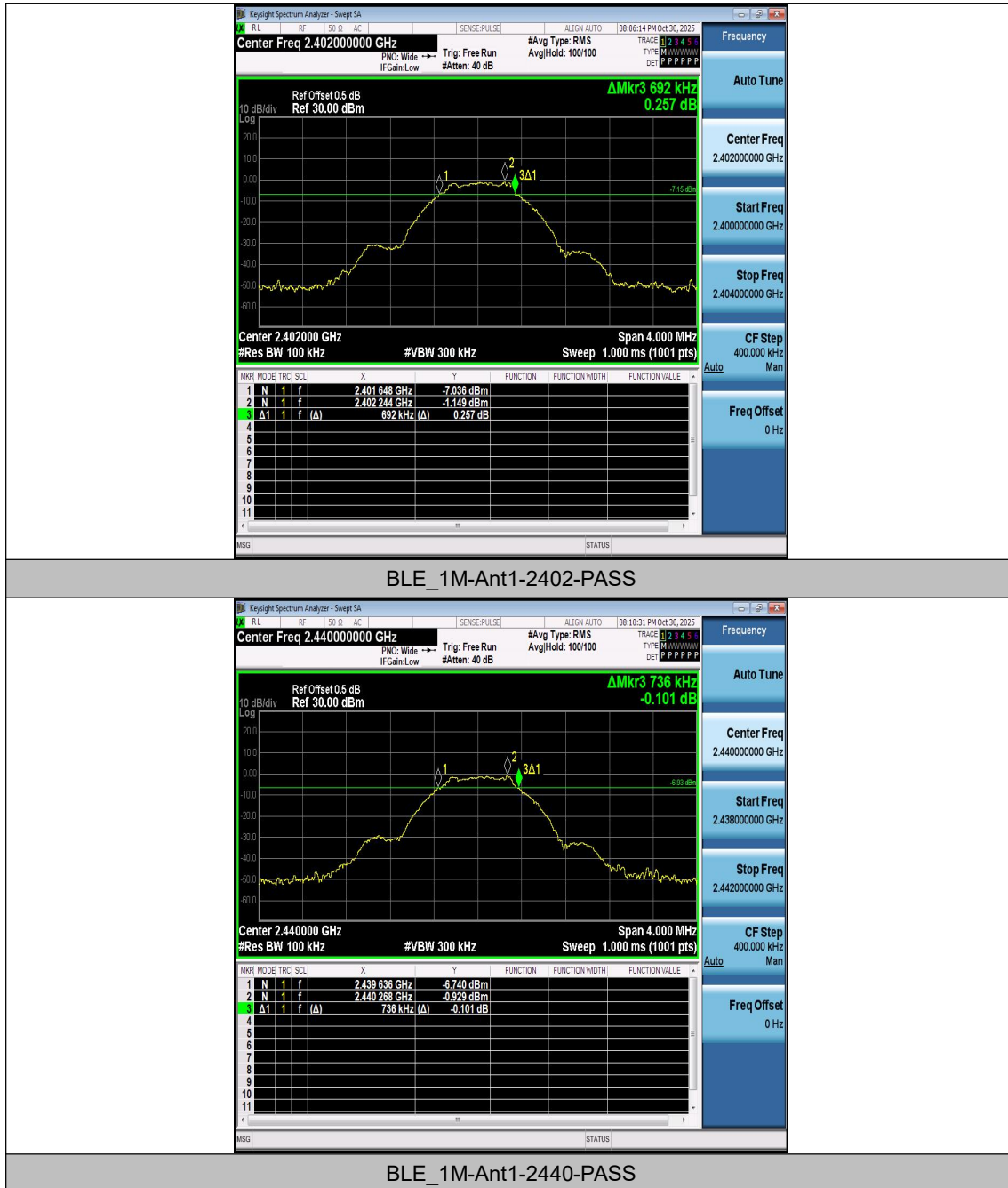


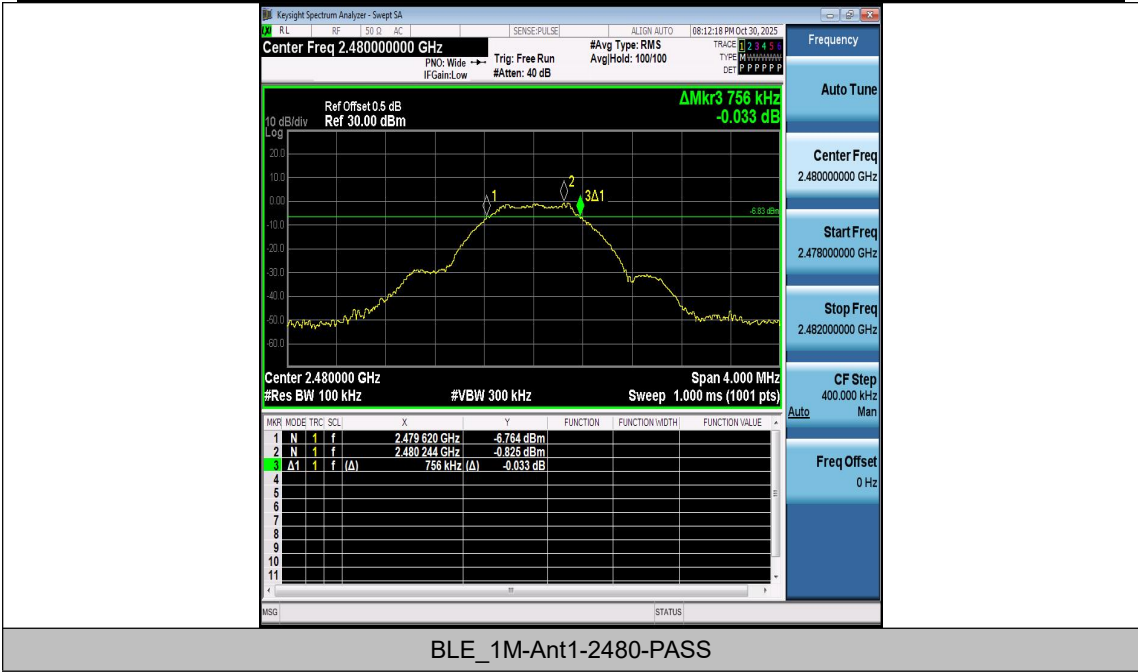
Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.692	2401.648	2402.340	0.5	PASS
BLE_1M	Ant1	2440	0.736	2439.636	2440.372	0.5	PASS
BLE_1M	Ant1	2480	0.756	2479.620	2480.376	0.5	PASS

Test Graphs





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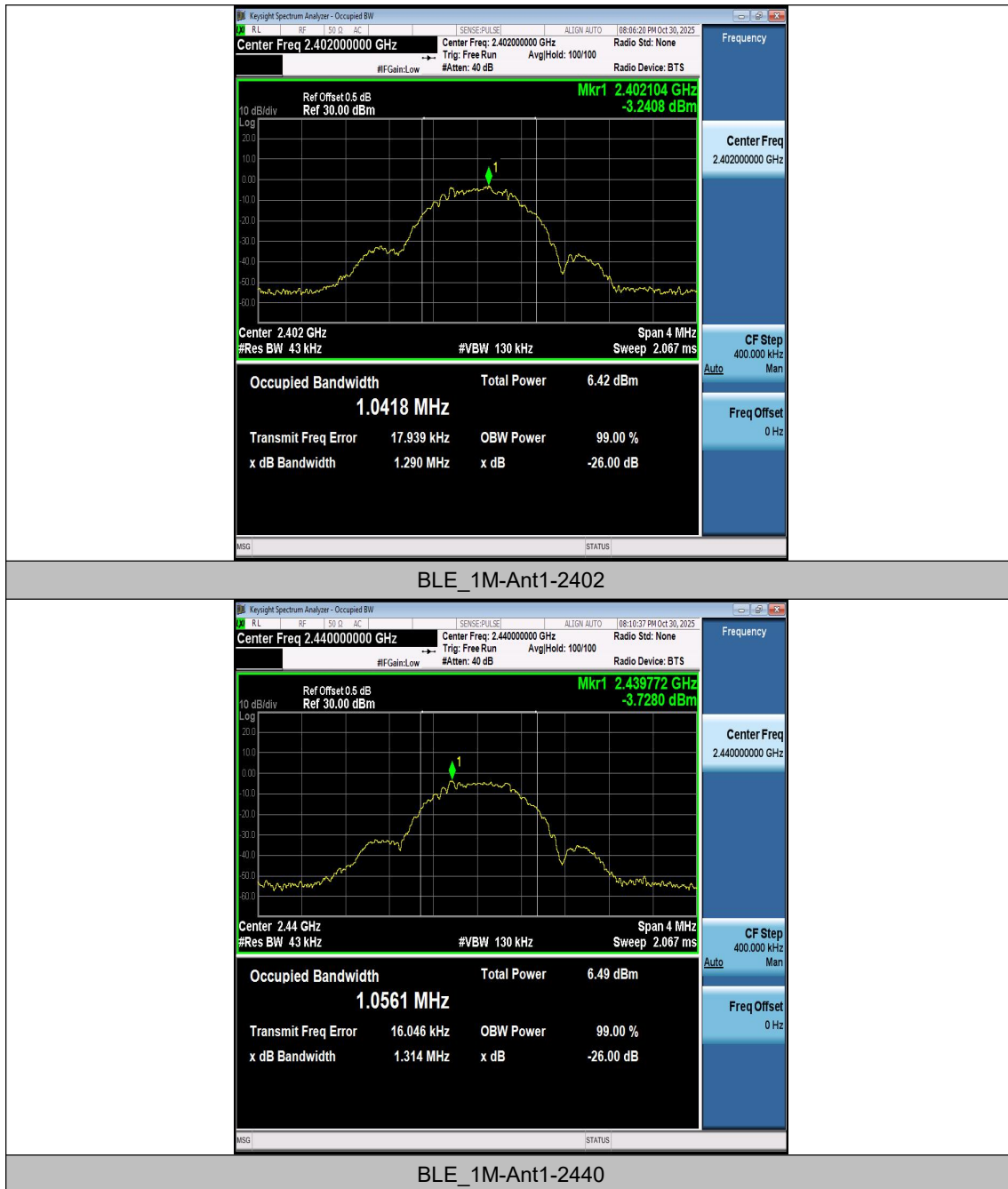
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Appendix B: 99% Occupied Bandwidth**Test Result**

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0418	2401.4970	2402.5388	---	---
BLE_1M	Ant1	2440	1.0561	2439.4880	2440.5441	---	---
BLE_1M	Ant1	2480	1.0687	2479.4813	2480.5500	---	---

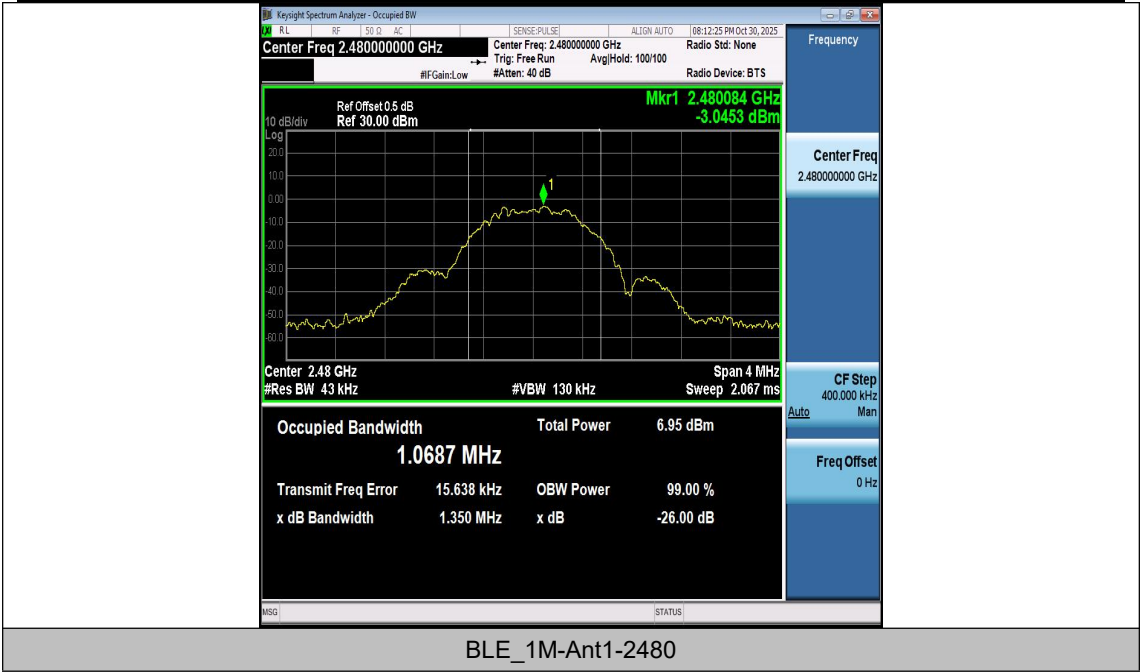
Test Graphs



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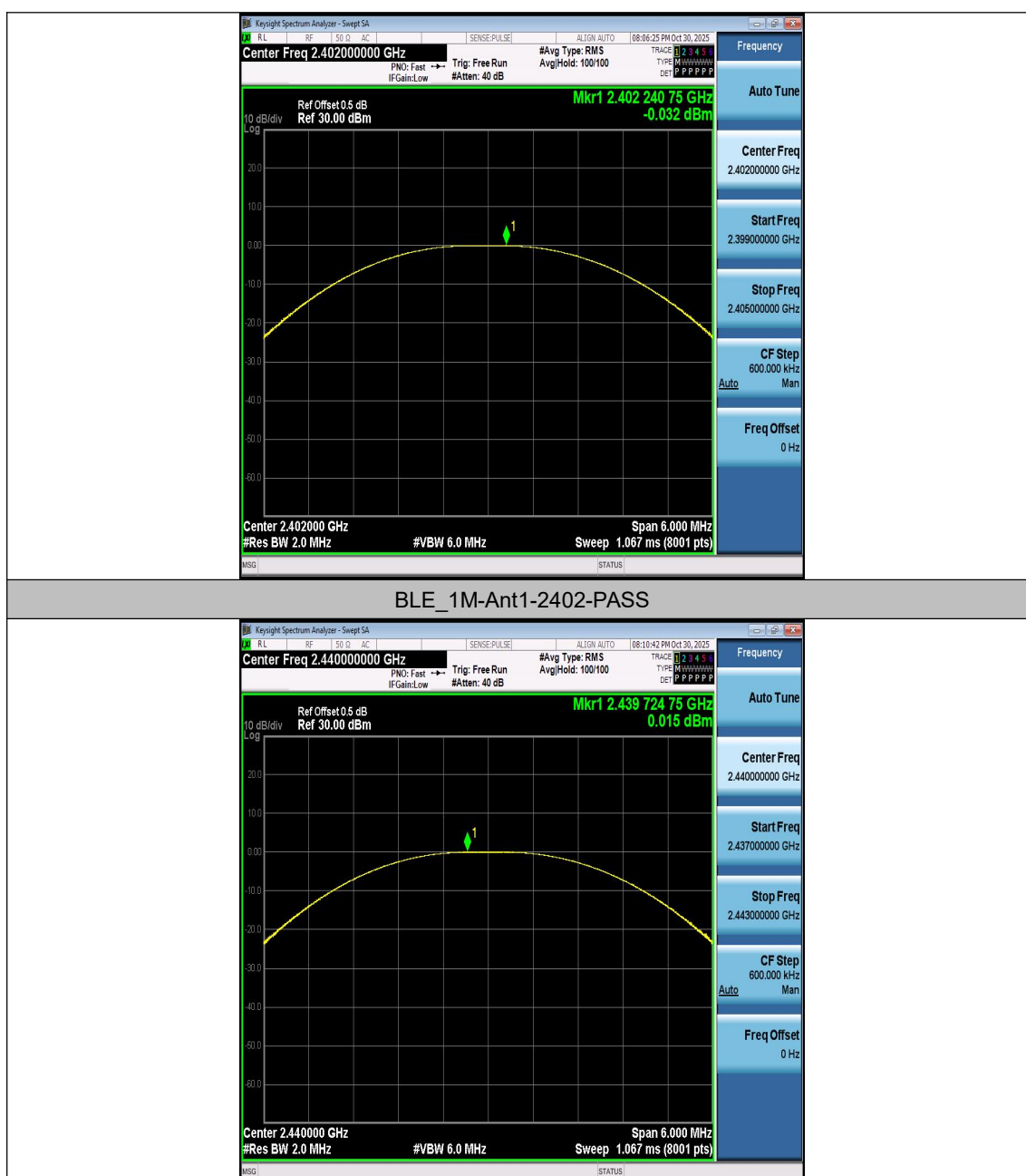


Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.03	≤30	PASS
BLE_1M	Ant1	2440	0.02	≤30	PASS
BLE_1M	Ant1	2480	0.23	≤30	PASS

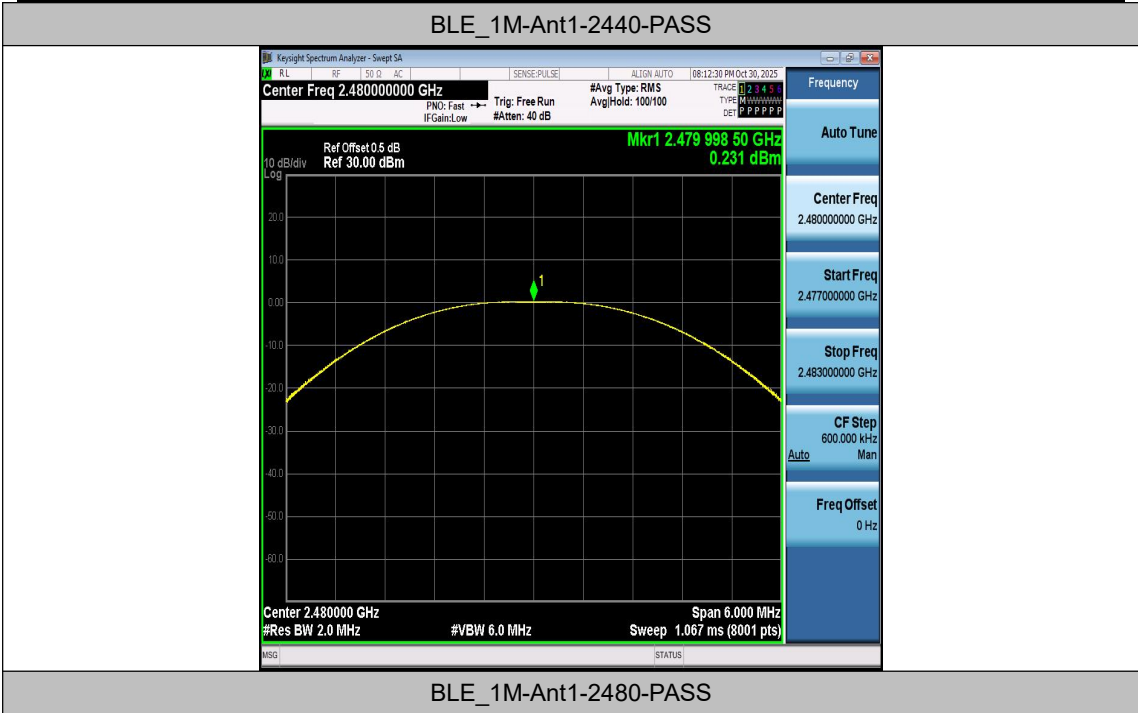
Test Graphs Peak



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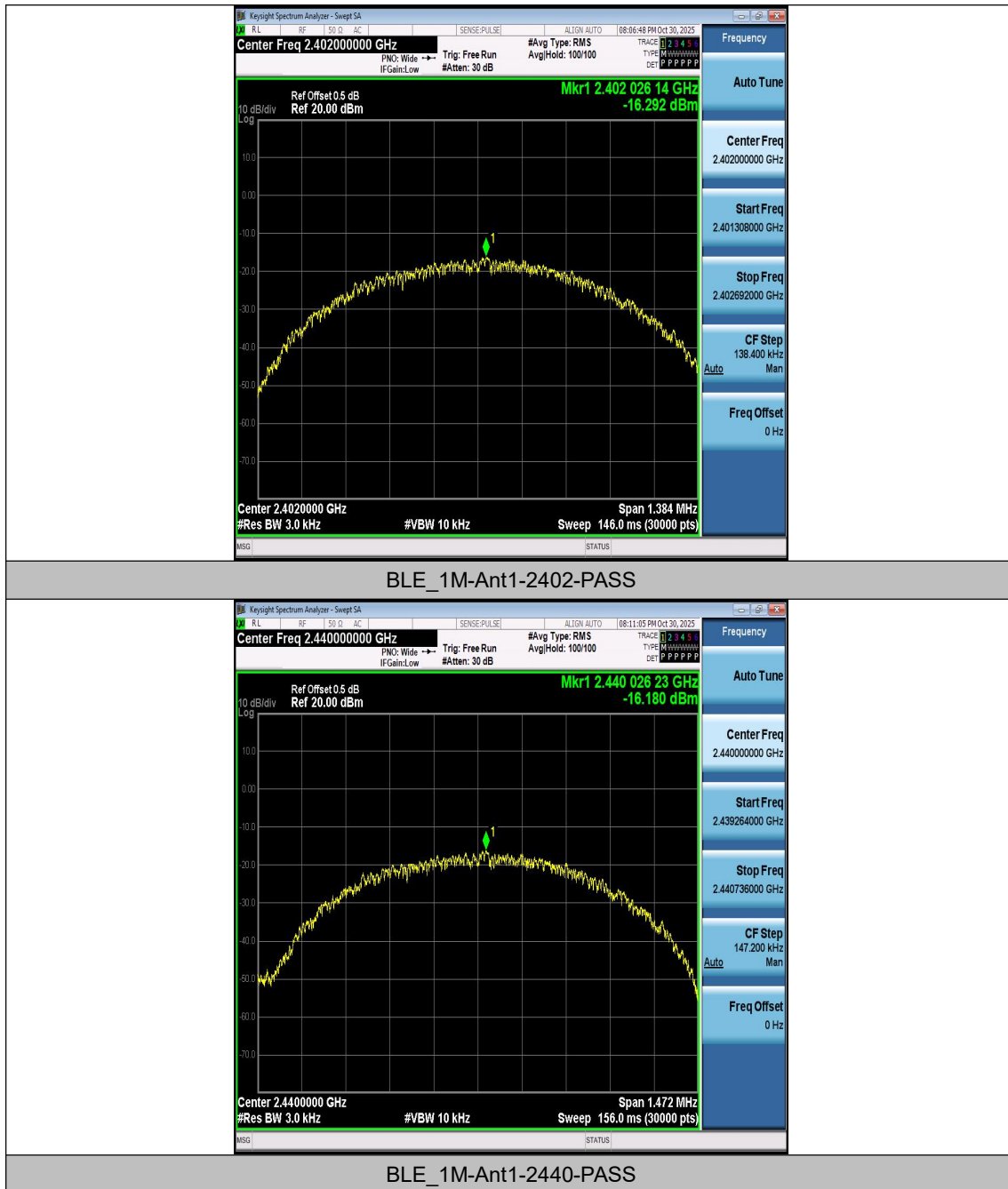
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-16.29	≤8.00	PASS
BLE_1M	Ant1	2440	-16.18	≤8.00	PASS
BLE_1M	Ant1	2480	-16.15	≤8.00	PASS

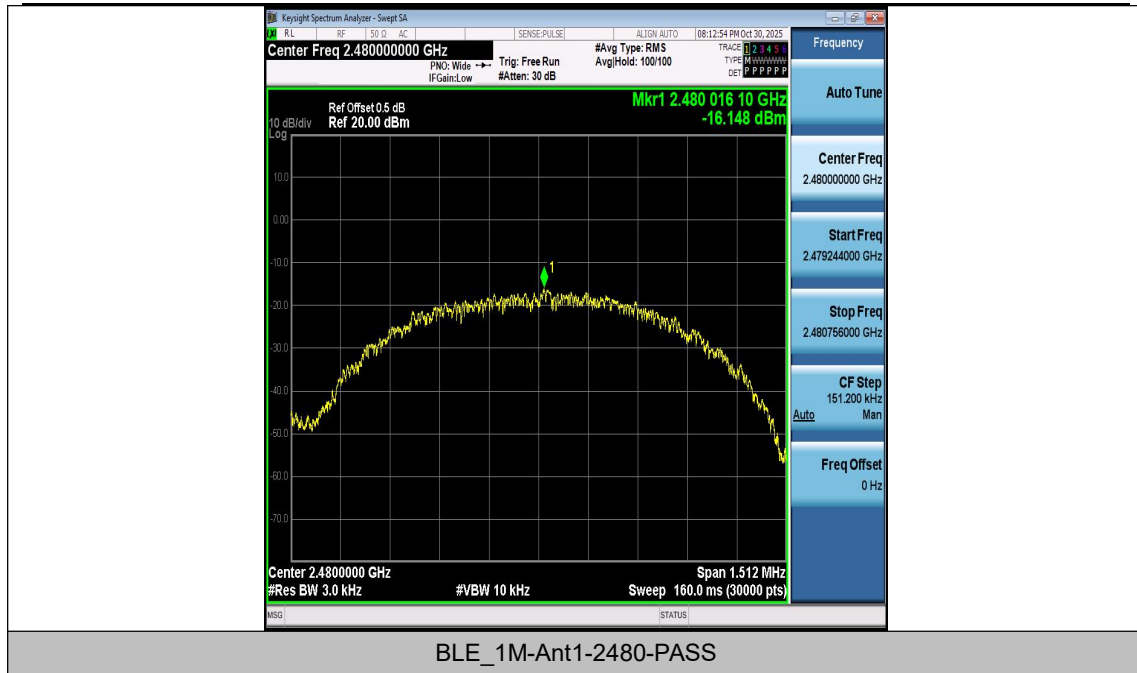
Test Graphs



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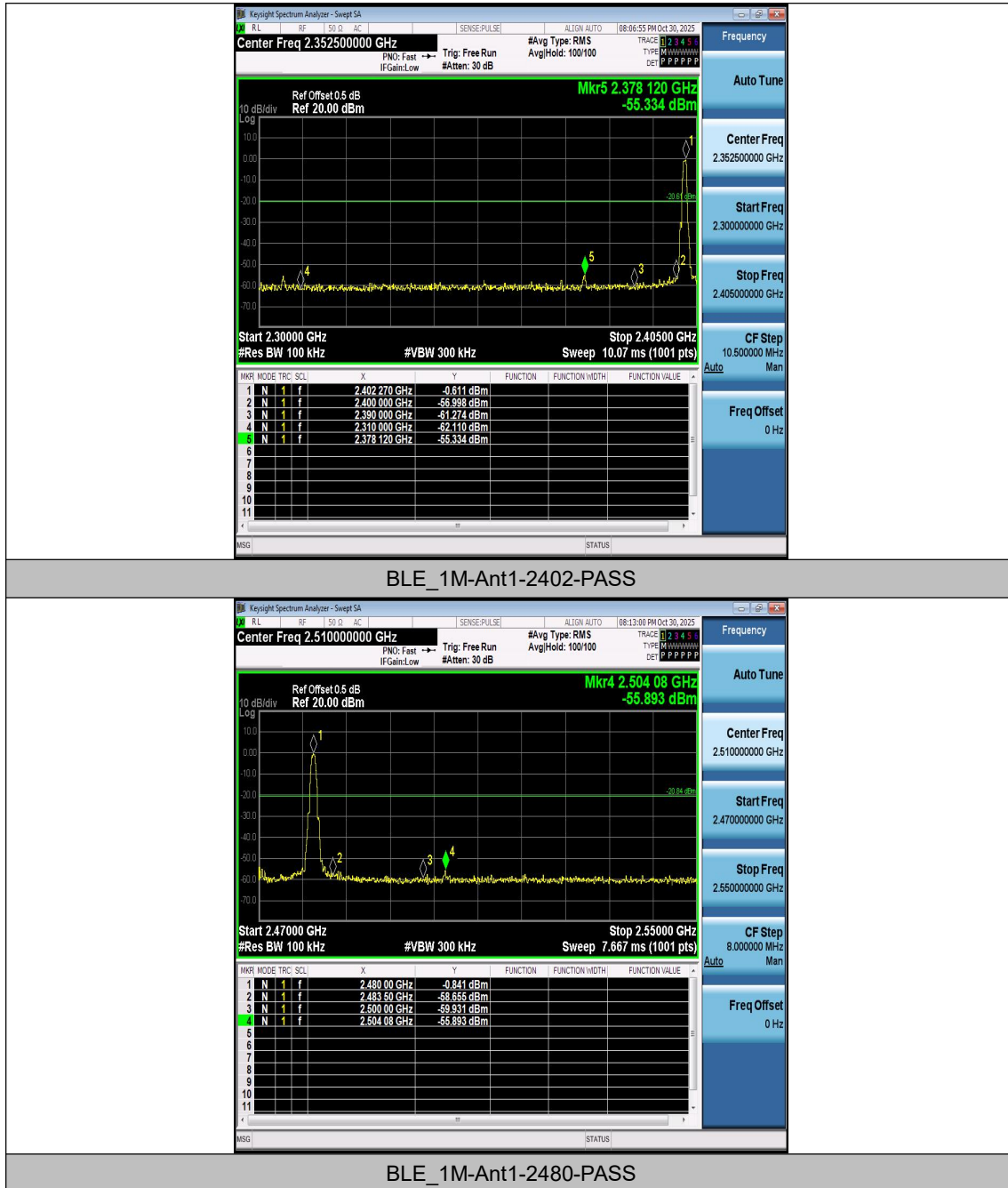
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.61	-55.33	≤-20.61	PASS
BLE_1M	Ant1	High	2480	-0.84	-55.89	≤-20.84	PASS

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

Test Graphs



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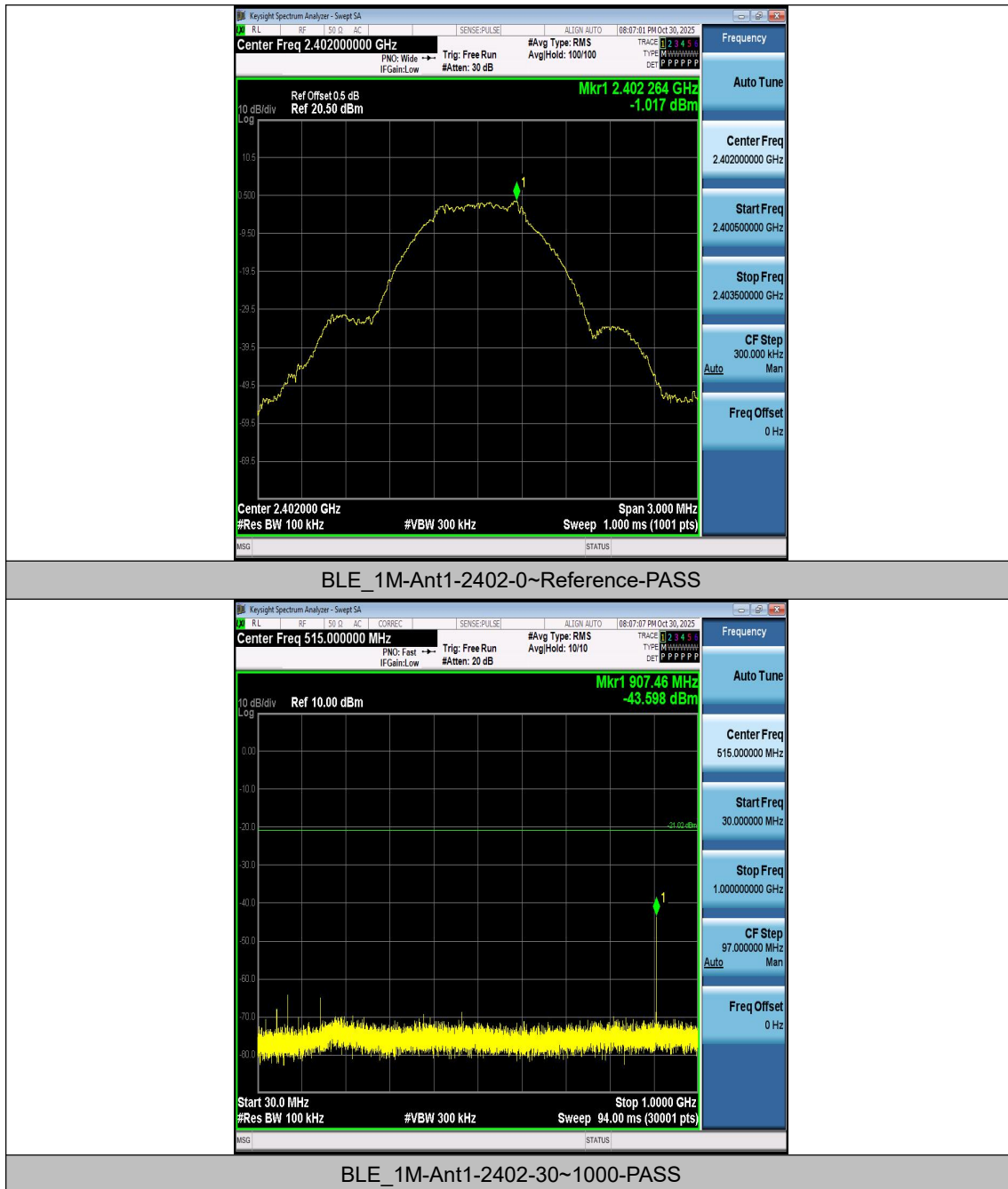
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-1.02	-1.02	---	PASS
BLE_1M	Ant1	2402	30~1000	-1.02	-43.6	≤-21.02	PASS
BLE_1M	Ant1	2402	1000~26500	-1.02	-52.32	≤-21.02	PASS
BLE_1M	Ant1	2440	0~Reference	-0.73	-0.73	---	PASS
BLE_1M	Ant1	2440	30~1000	-0.73	-55.63	≤-20.73	PASS
BLE_1M	Ant1	2440	1000~26500	-0.73	-52.8	≤-20.73	PASS
BLE_1M	Ant1	2480	0~Reference	-0.77	-0.77	---	PASS
BLE_1M	Ant1	2480	30~1000	-0.77	-64.86	≤-20.77	PASS
BLE_1M	Ant1	2480	1000~26500	-0.77	-52.16	≤-20.77	PASS

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

Test Graphs

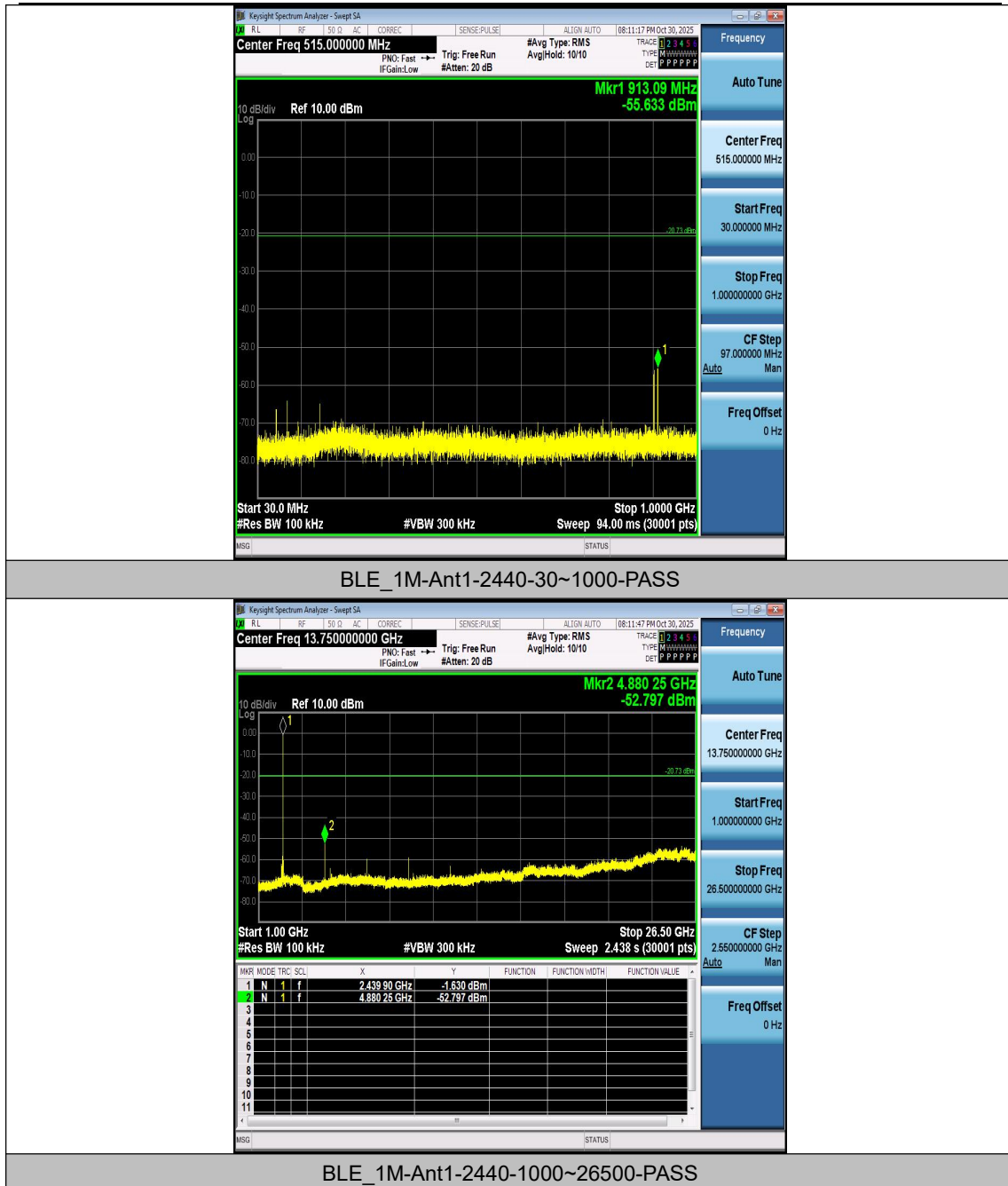


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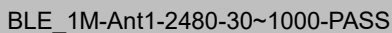
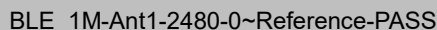


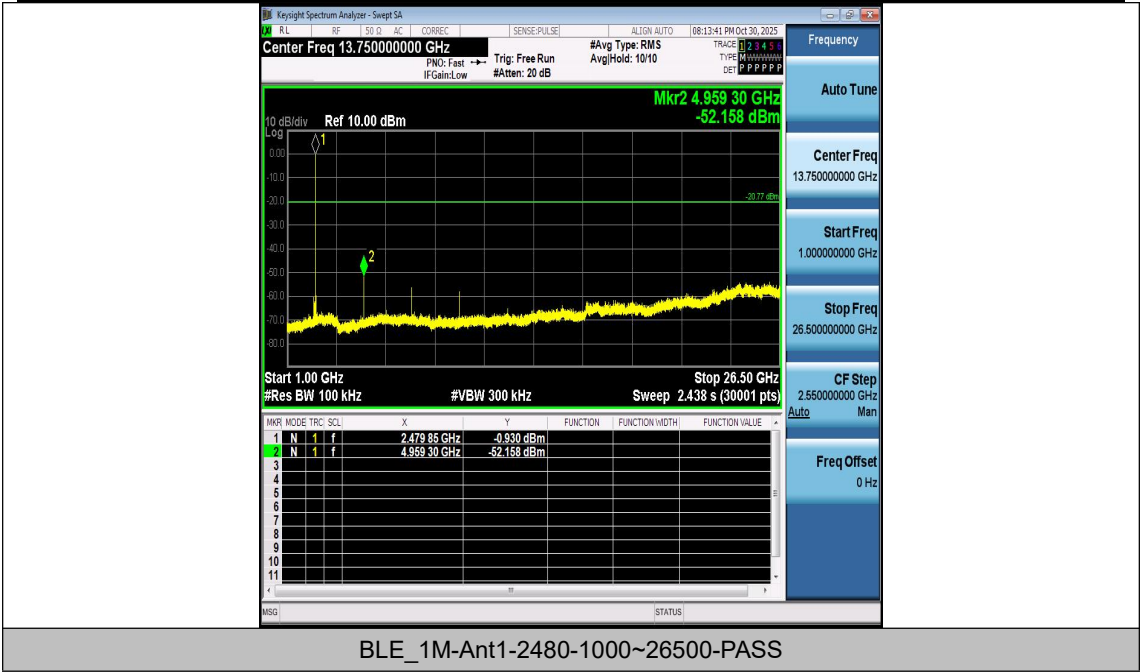


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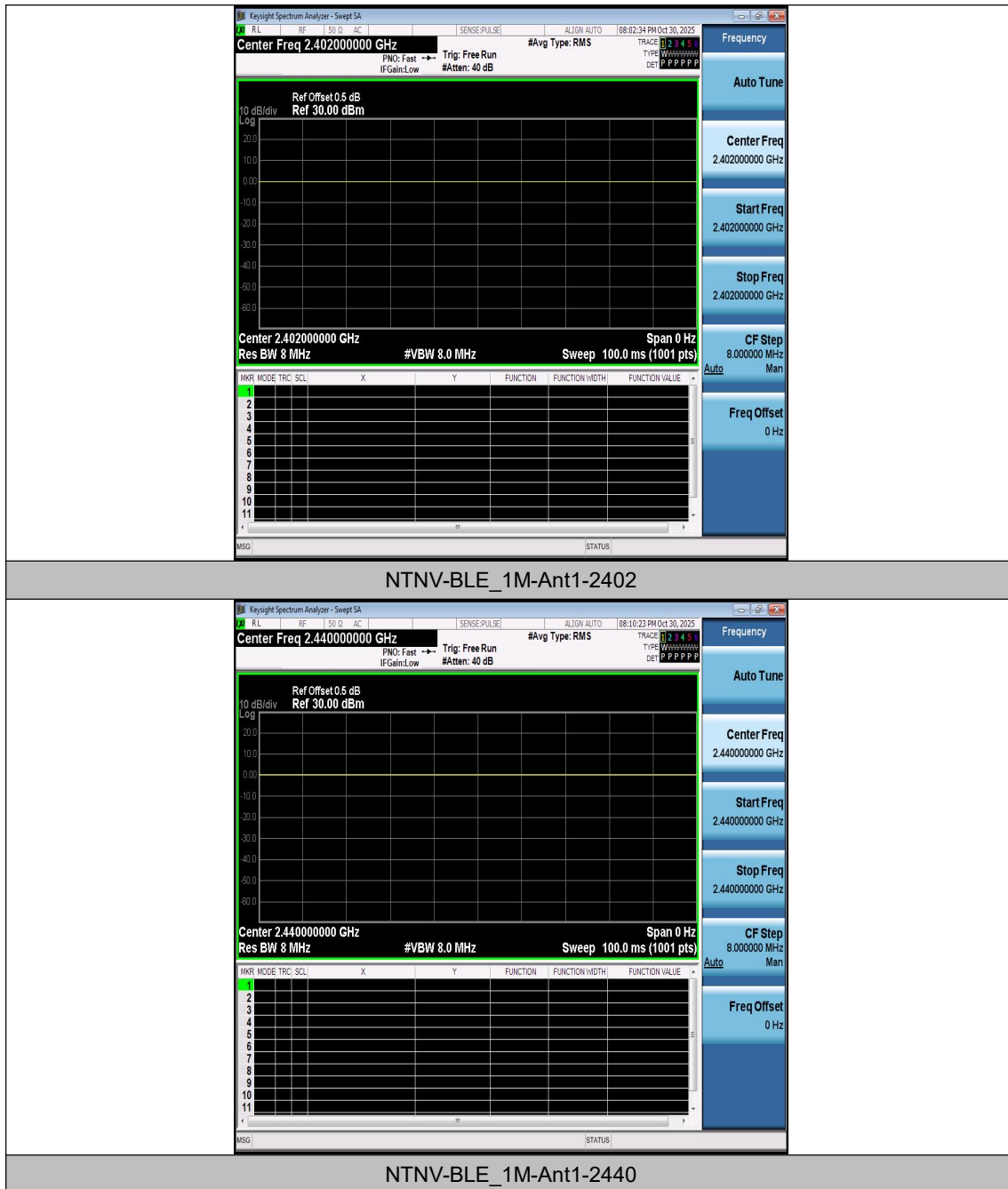
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Appendix G: Duty Cycle

Test Result

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

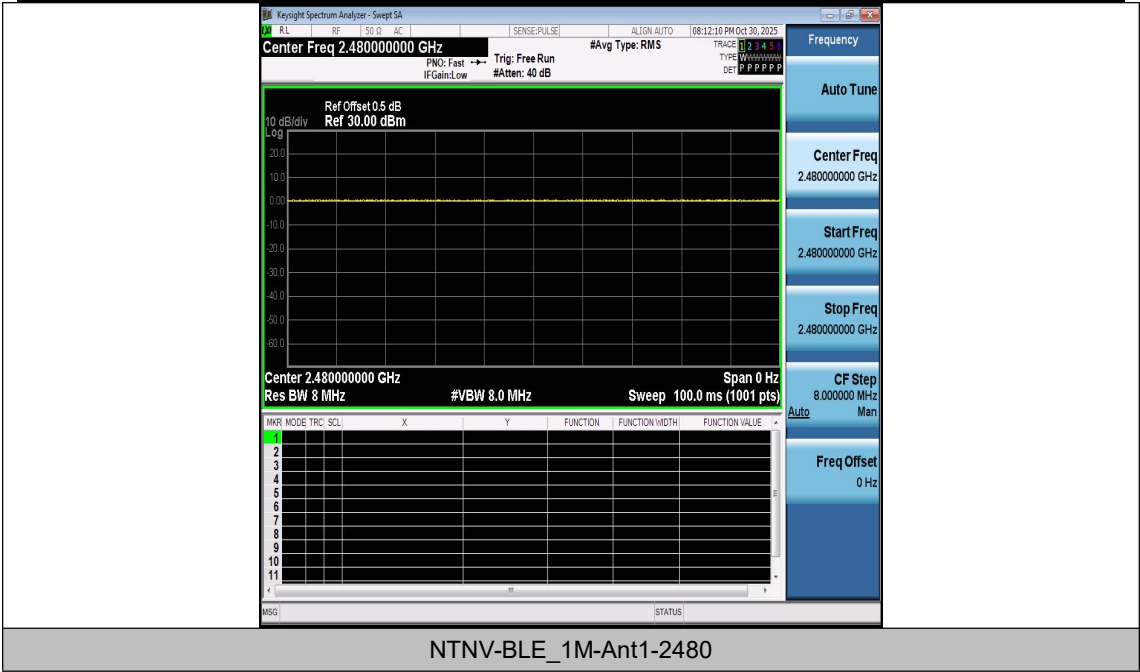
Test Graphs



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NTNV-BLE_1M-Ant1-2480

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