

Appendix Test Data

Report No.:	1811C504237162	Test Sample No.:	1-2-2
Start Test Date:	2025-11-02	Finish Test Date:	2025-11-02
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	22.8°C	Relative Humidity:	48%
Pressure:	101kPa		

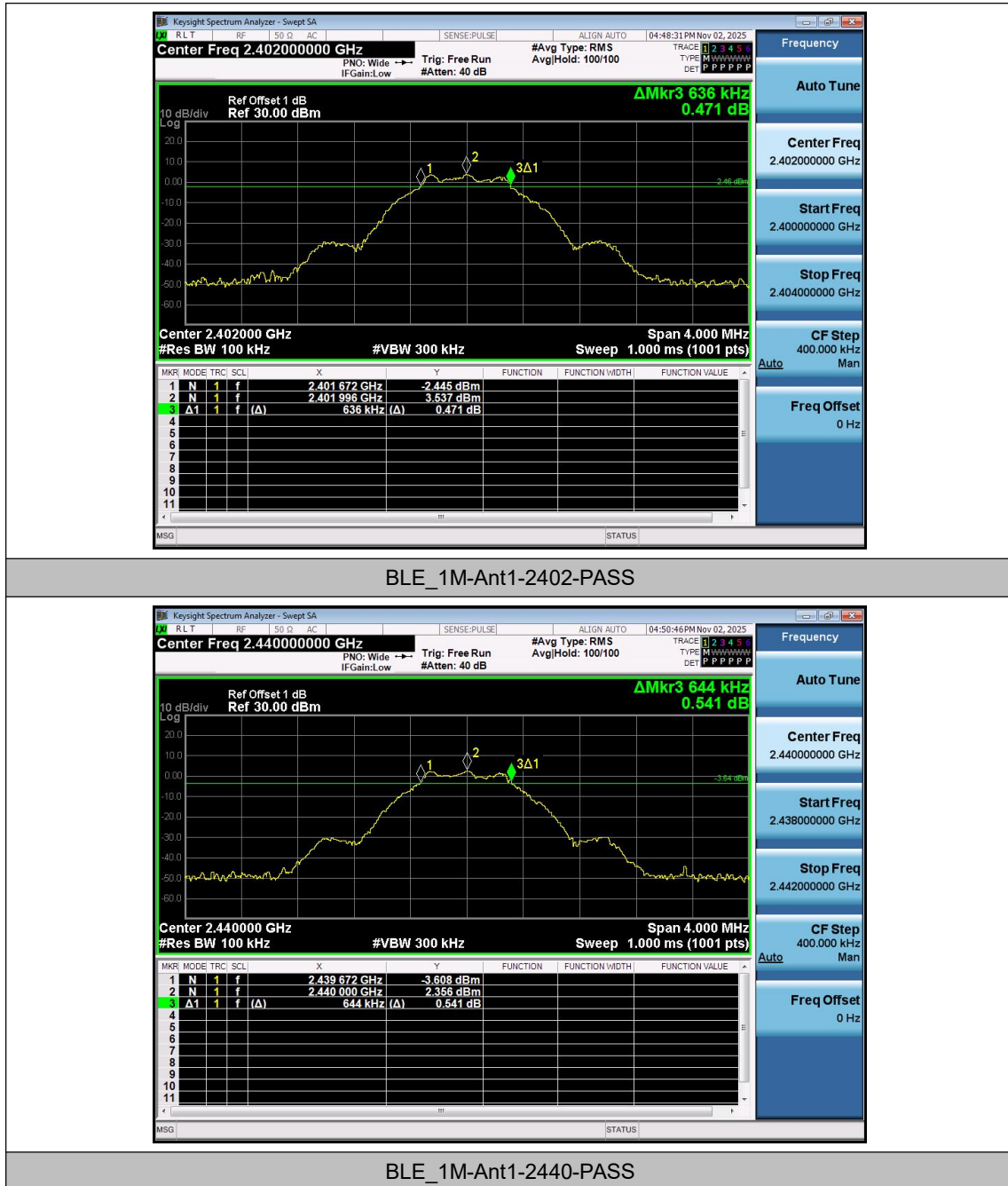


Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.636	2401.672	2402.308	0.5	PASS
BLE_1M	Ant1	2440	0.644	2439.672	2440.316	0.5	PASS
BLE_1M	Ant1	2480	0.656	2479.664	2480.320	0.5	PASS
BLE_2M	Ant1	2402	1.108	2401.420	2402.528	0.5	PASS
BLE_2M	Ant1	2440	1.096	2439.428	2440.524	0.5	PASS
BLE_2M	Ant1	2480	1.096	2479.428	2480.524	0.5	PASS

Test Graphs



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BLE_1M-Ant1-2480-PASS



BLE_2M-Ant1-2402-PASS

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BLE_2M-Ant1-2440-PASS



BLE_2M-Ant1-2480-PASS

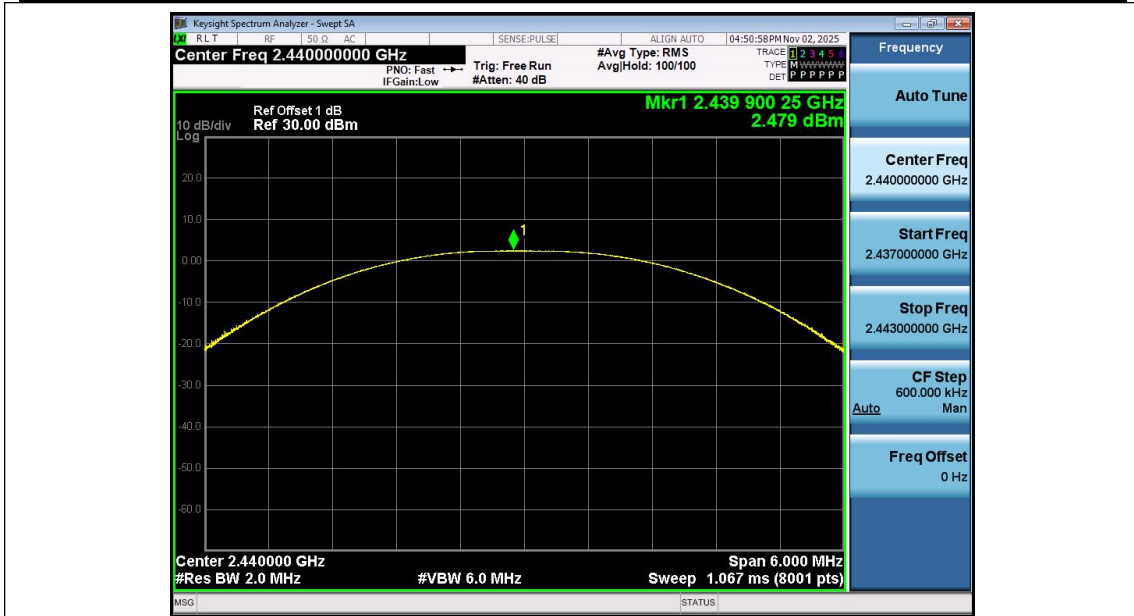
Appendix B:Maximum conducted output power

Test Result Peak

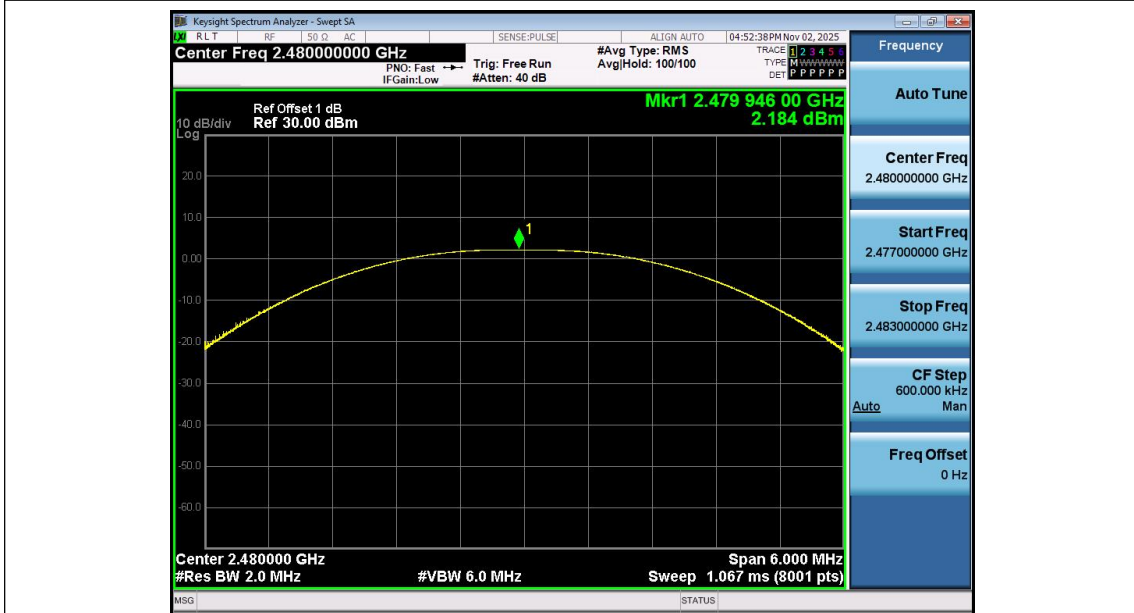
Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	3.67	≤30	PASS
BLE_1M	Ant1	2440	2.48	≤30	PASS
BLE_1M	Ant1	2480	2.18	≤30	PASS
BLE_2M	Ant1	2402	3.61	≤30	PASS
BLE_2M	Ant1	2440	2.45	≤30	PASS
BLE_2M	Ant1	2480	2.18	≤30	PASS

Test Graphs Peak





BLE_1M-Ant1-2440-PASS

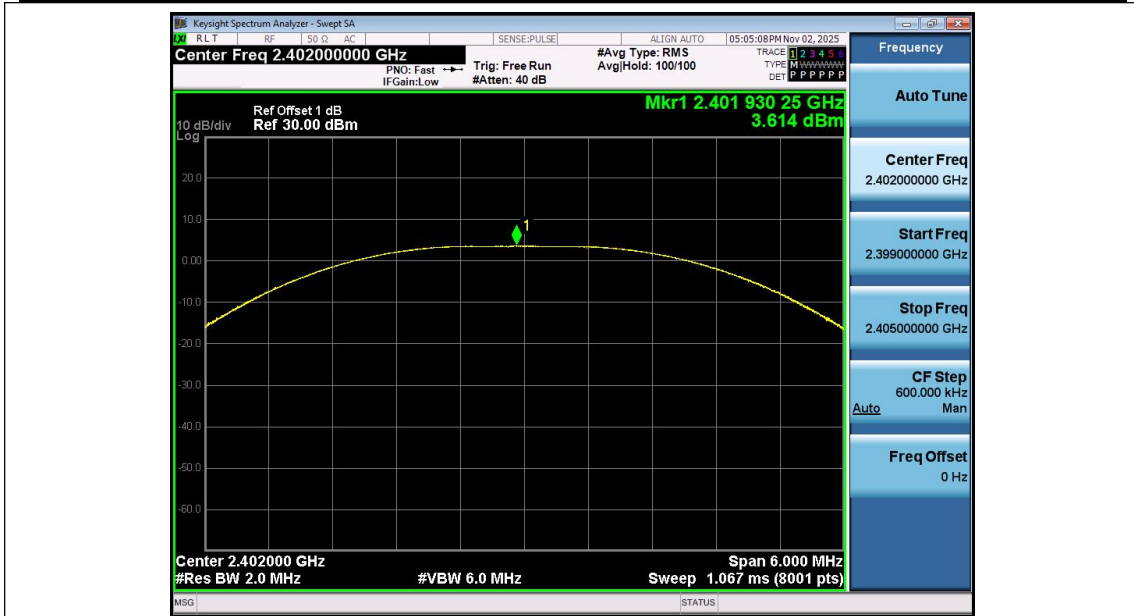


BLE_1M-Ant1-2480-PASS

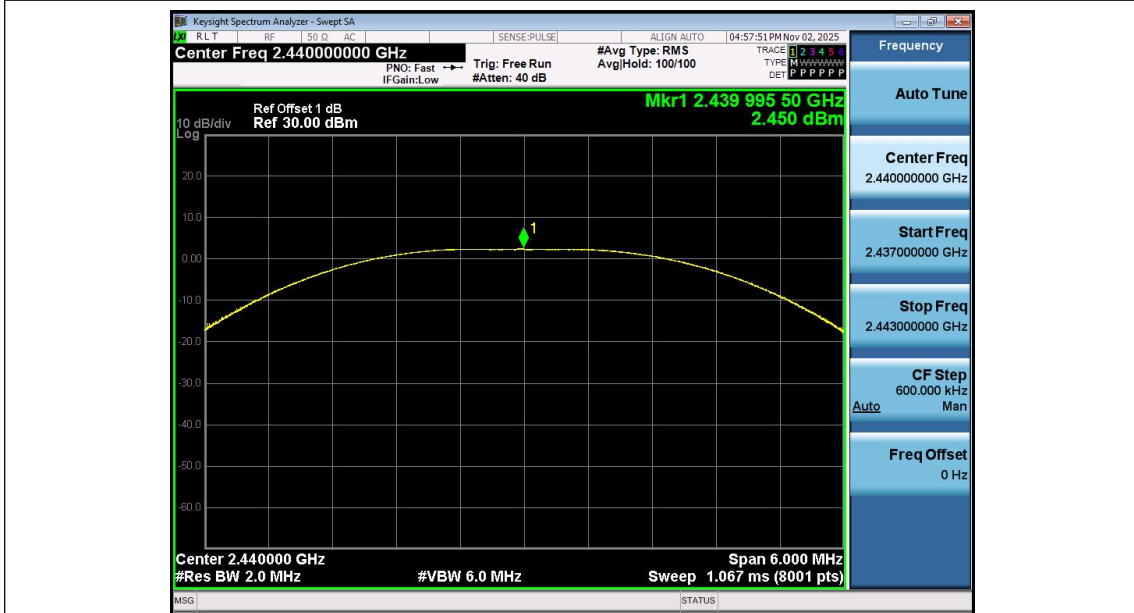
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BLE_2M-Ant1-2402-PASS



BLE_2M-Ant1-2440-PASS

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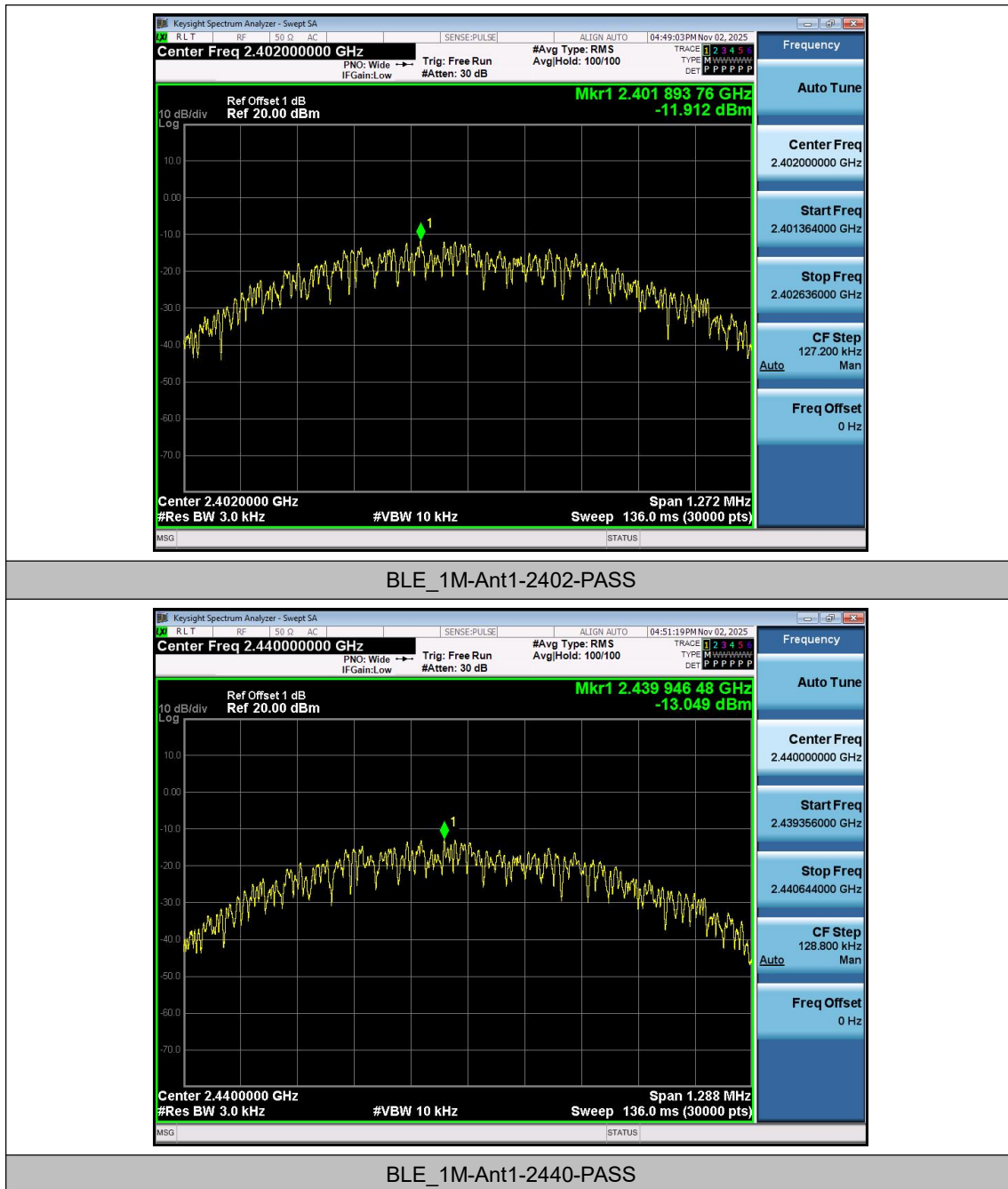
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Appendix C: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-11.91	≤8.00	PASS
BLE_1M	Ant1	2440	-13.05	≤8.00	PASS
BLE_1M	Ant1	2480	-13.18	≤8.00	PASS
BLE_2M	Ant1	2402	-14.14	≤8.00	PASS
BLE_2M	Ant1	2440	-15.17	≤8.00	PASS
BLE_2M	Ant1	2480	-15.62	≤8.00	PASS

Test Graphs



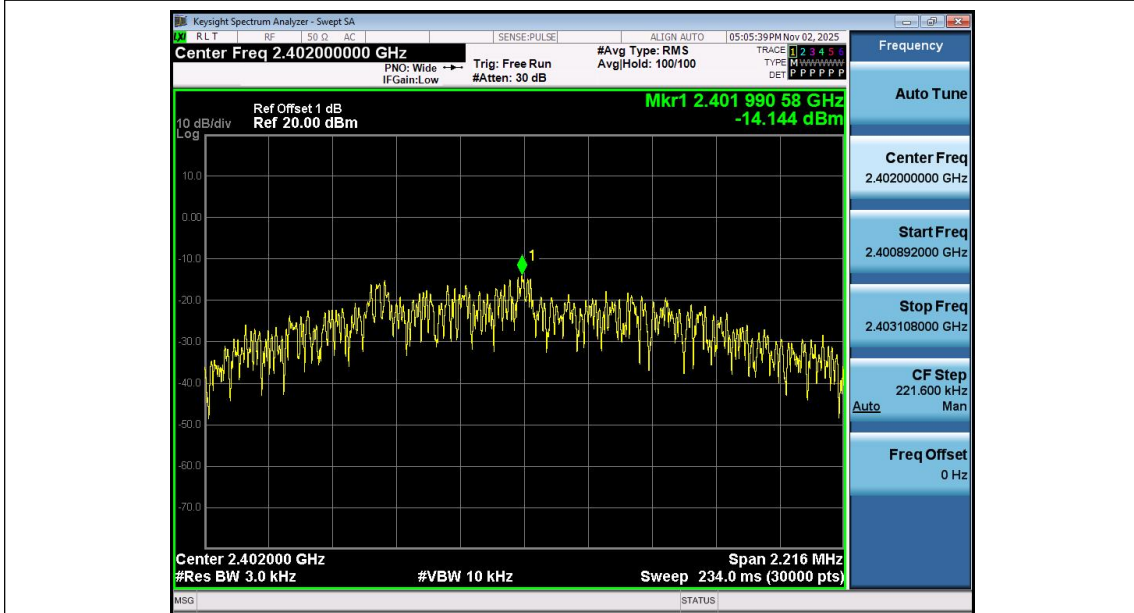
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BLE_1M-Ant1-2480-PASS

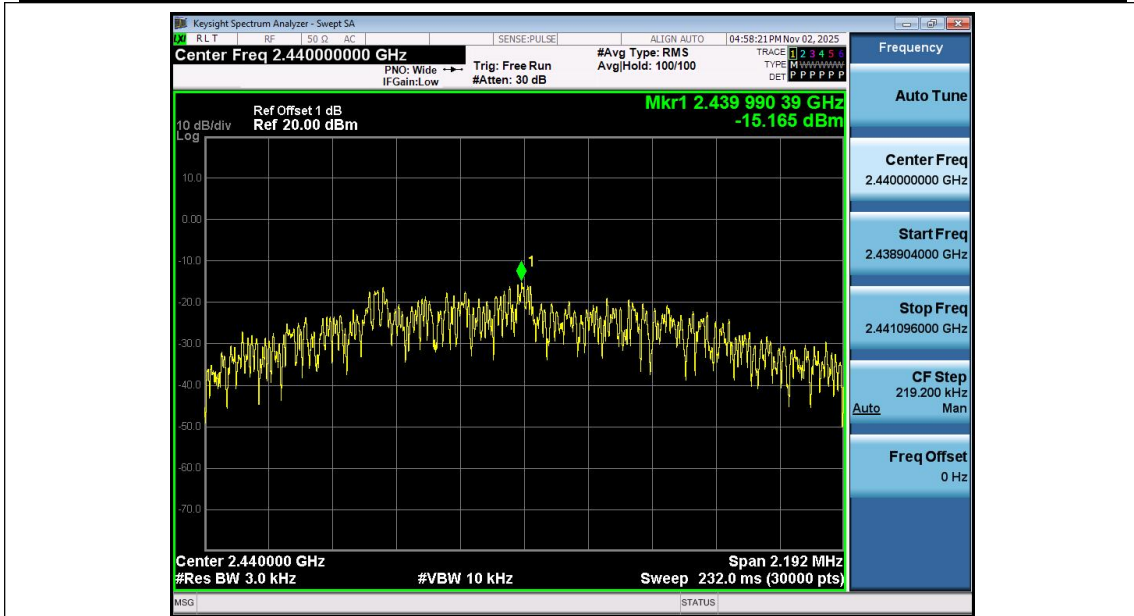


BLE_2M-Ant1-2402-PASS

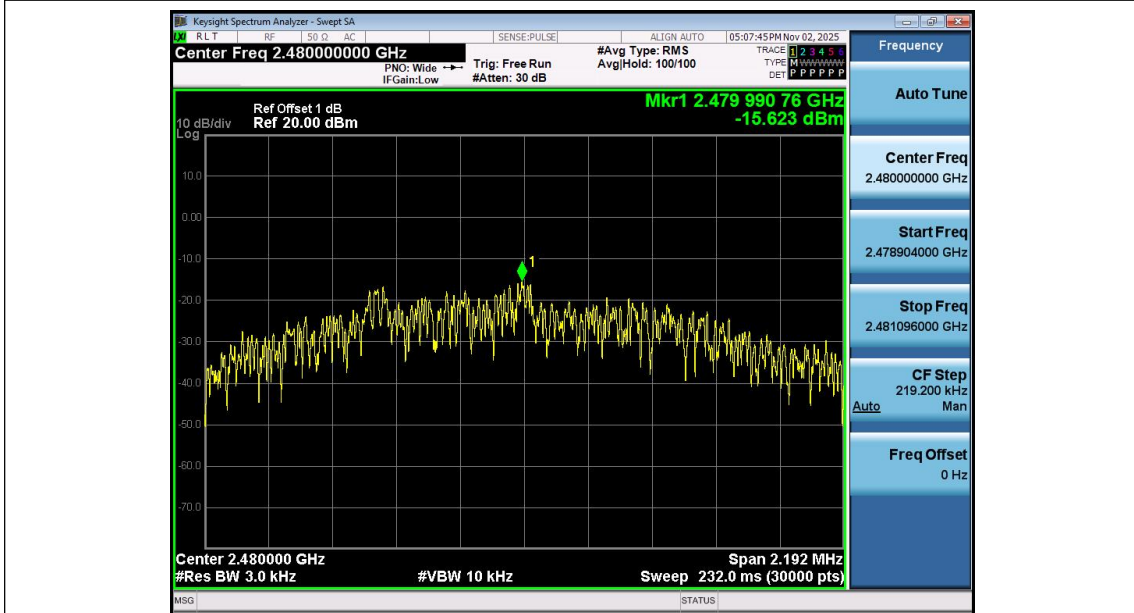
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BLE_2M-Ant1-2440-PASS



BLE_2M-Ant1-2480-PASS

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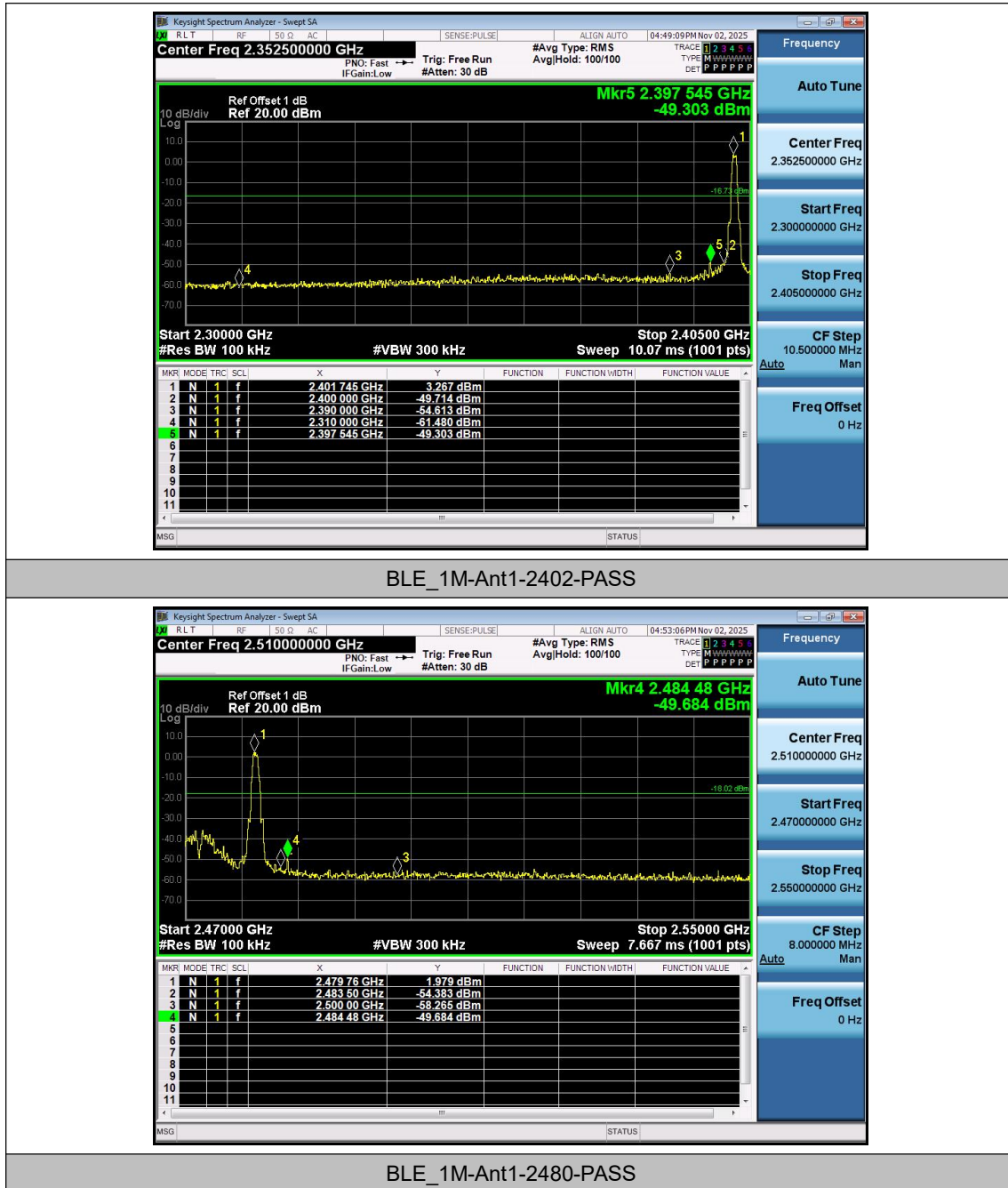
Appendix D: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	3.27	-49.3	≤-16.73	PASS
BLE_1M	Ant1	High	2480	1.98	-49.68	≤-18.02	PASS
BLE_2M	Ant1	Low	2402	3.61	-30.12	≤-16.39	PASS
BLE_2M	Ant1	High	2480	2.26	-52.29	≤-17.74	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.

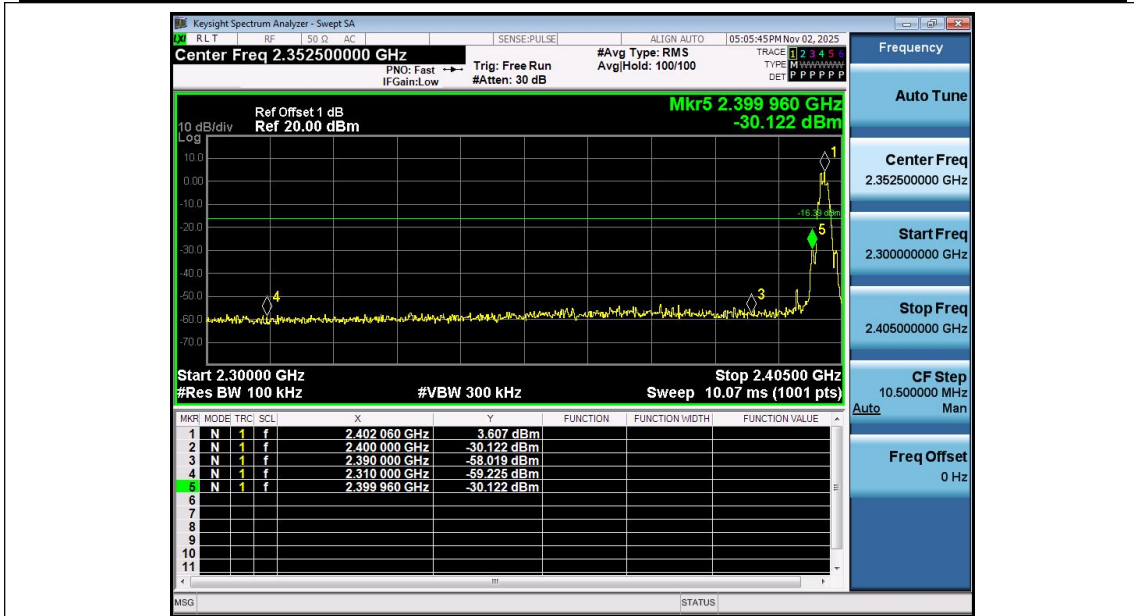
Test Graphs



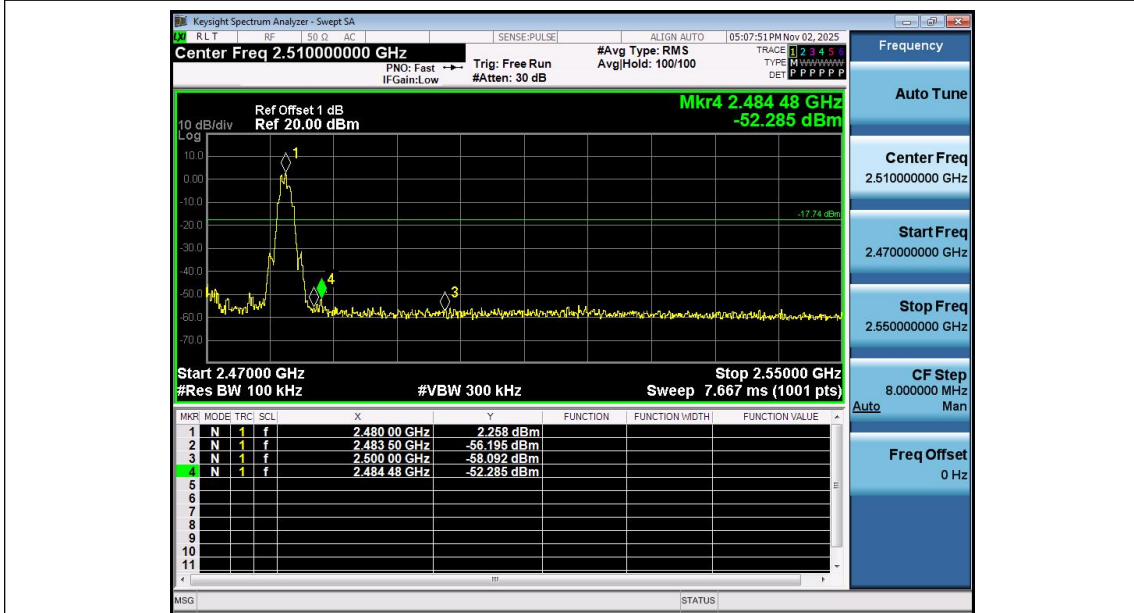
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BLE_2M-Ant1-2402-PASS



BLE_2M-Ant1-2480-PASS