

Appendix Test Data

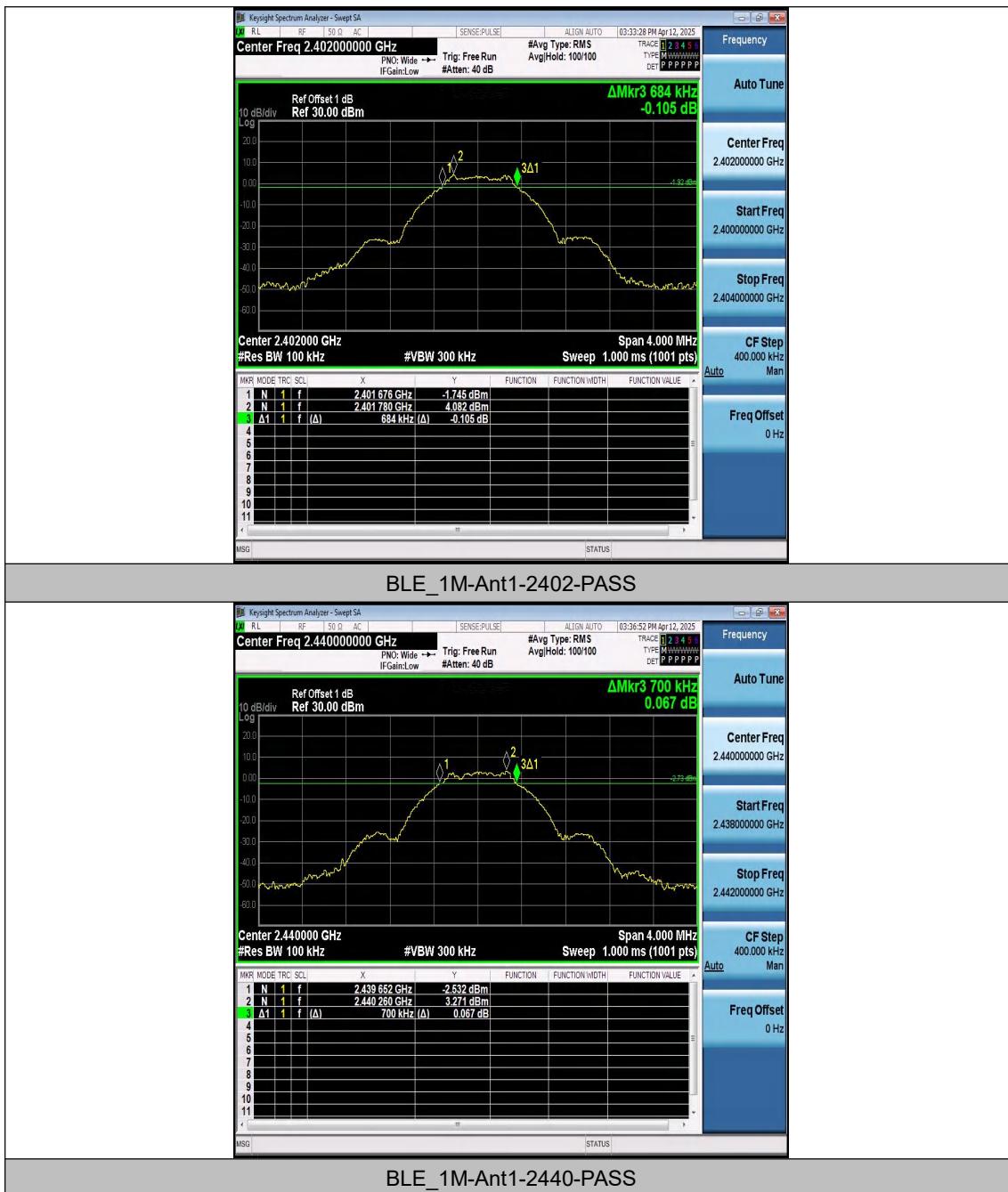
Report No.:	1819C50033712502	Test Sample No.:	1-2-2
Start Test Date:	2025.04.12	Finish Test Date:	2025.04.17
Test Engineer:	Aless Reng	Auditor:	Justin Feng
Temperature:	24.5°C	Relative Humidity:	63%
Pressure:	101kPa		

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	0.684	2401.676	2402.360	0.5	PASS
BLE_1M	Ant1	2440	0.700	2439.652	2440.352	0.5	PASS
BLE_1M	Ant1	2480	0.692	2479.668	2480.360	0.5	PASS
BLE_2M	Ant1	2402	1.120	2401.440	2402.560	0.5	PASS
BLE_2M	Ant1	2440	1.112	2439.456	2440.568	0.5	PASS
BLE_2M	Ant1	2480	1.132	2479.444	2480.576	0.5	PASS

Test Graphs





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Appendix B: 99% Occupied Bandwidth

Test Result

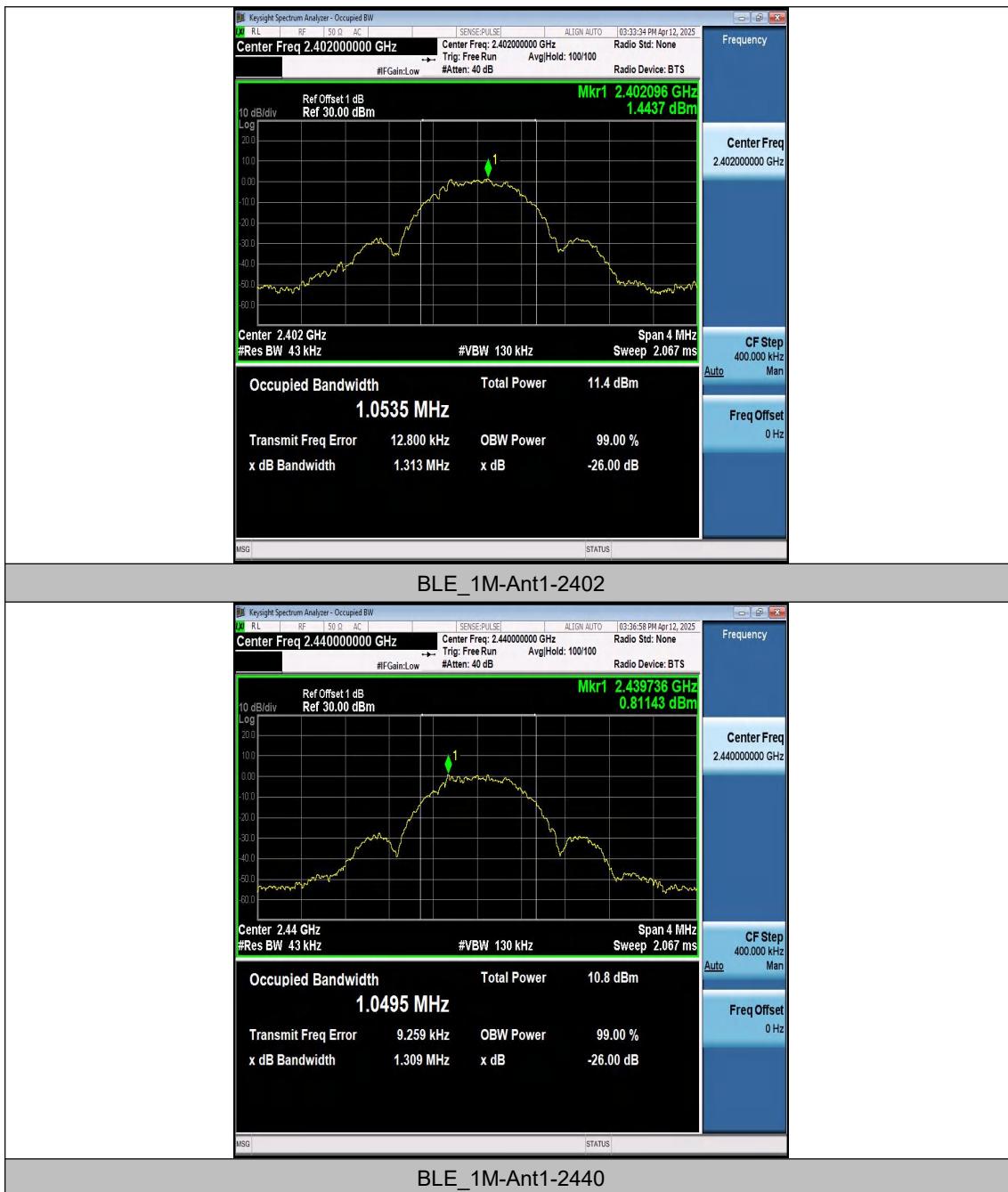
Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0535	2401.4861	2402.5396	---	---
BLE_1M	Ant1	2440	1.0495	2439.4845	2440.5340	---	---
BLE_1M	Ant1	2480	1.0323	2479.4967	2480.5290	---	---
BLE_2M	Ant1	2402	1.9425	2401.0483	2402.9908	---	---
BLE_2M	Ant1	2440	1.9288	2439.0441	2440.9729	---	---
BLE_2M	Ant1	2480	1.9318	2479.0491	2480.9809	---	---

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Test Graphs



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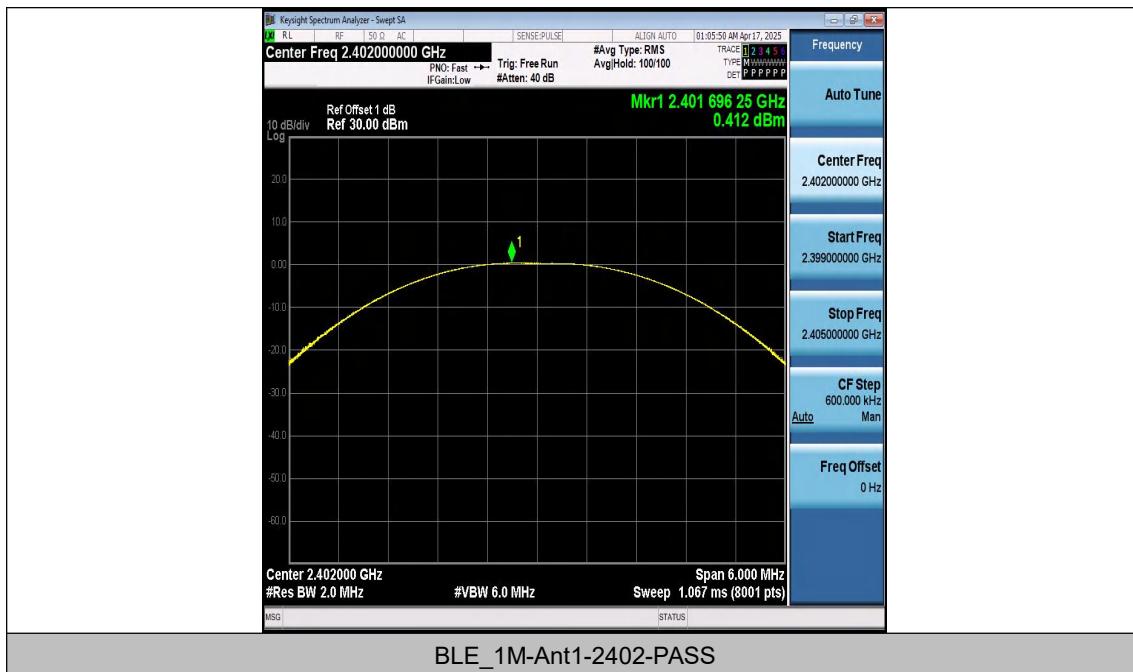
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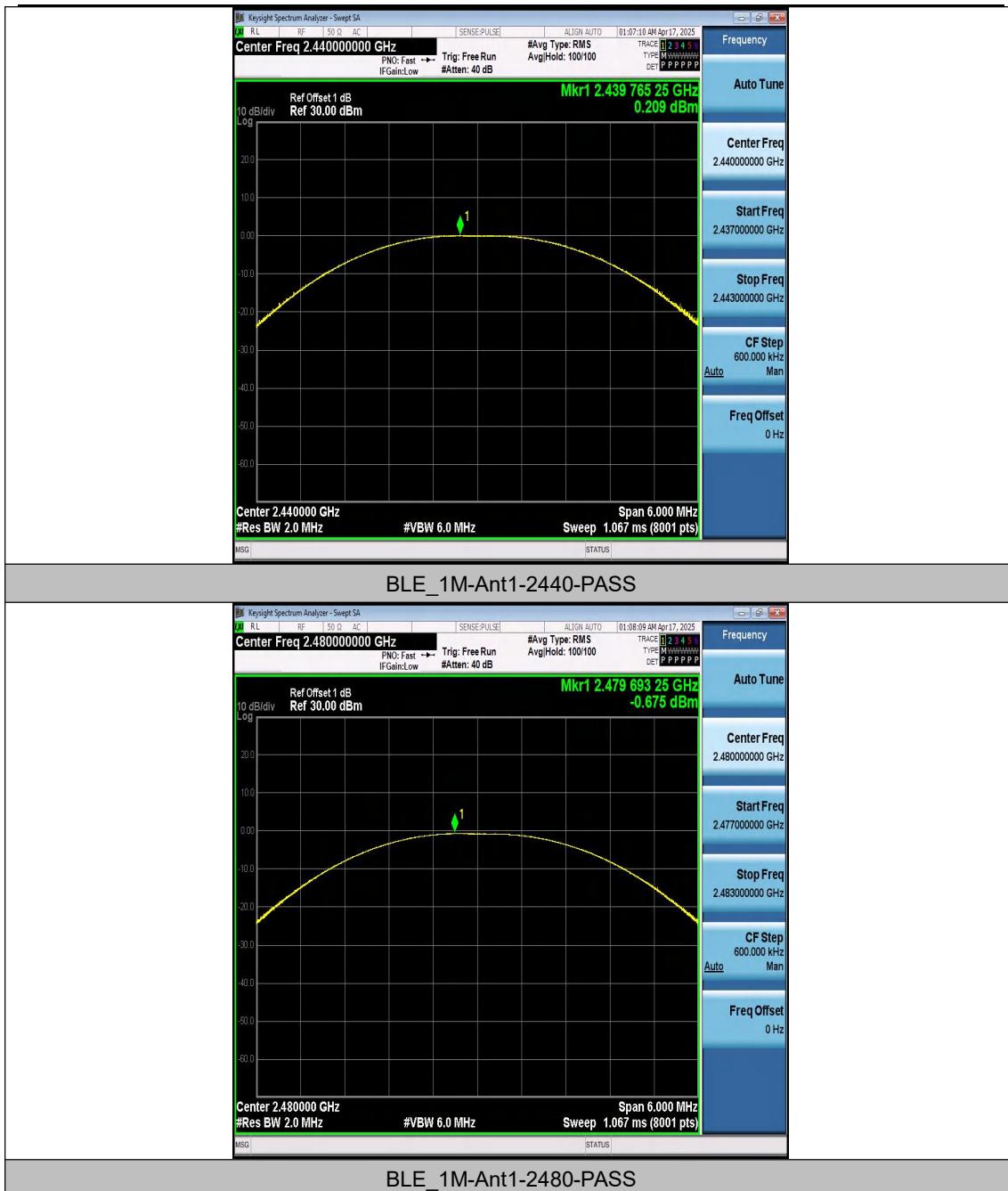
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.41	≤30	PASS
BLE_1M	Ant1	2440	0.21	≤30	PASS
BLE_1M	Ant1	2480	-0.68	≤30	PASS
BLE_2M	Ant1	2402	0.38	≤30	PASS
BLE_2M	Ant1	2440	0.23	≤30	PASS
BLE_2M	Ant1	2480	-0.47	≤30	PASS

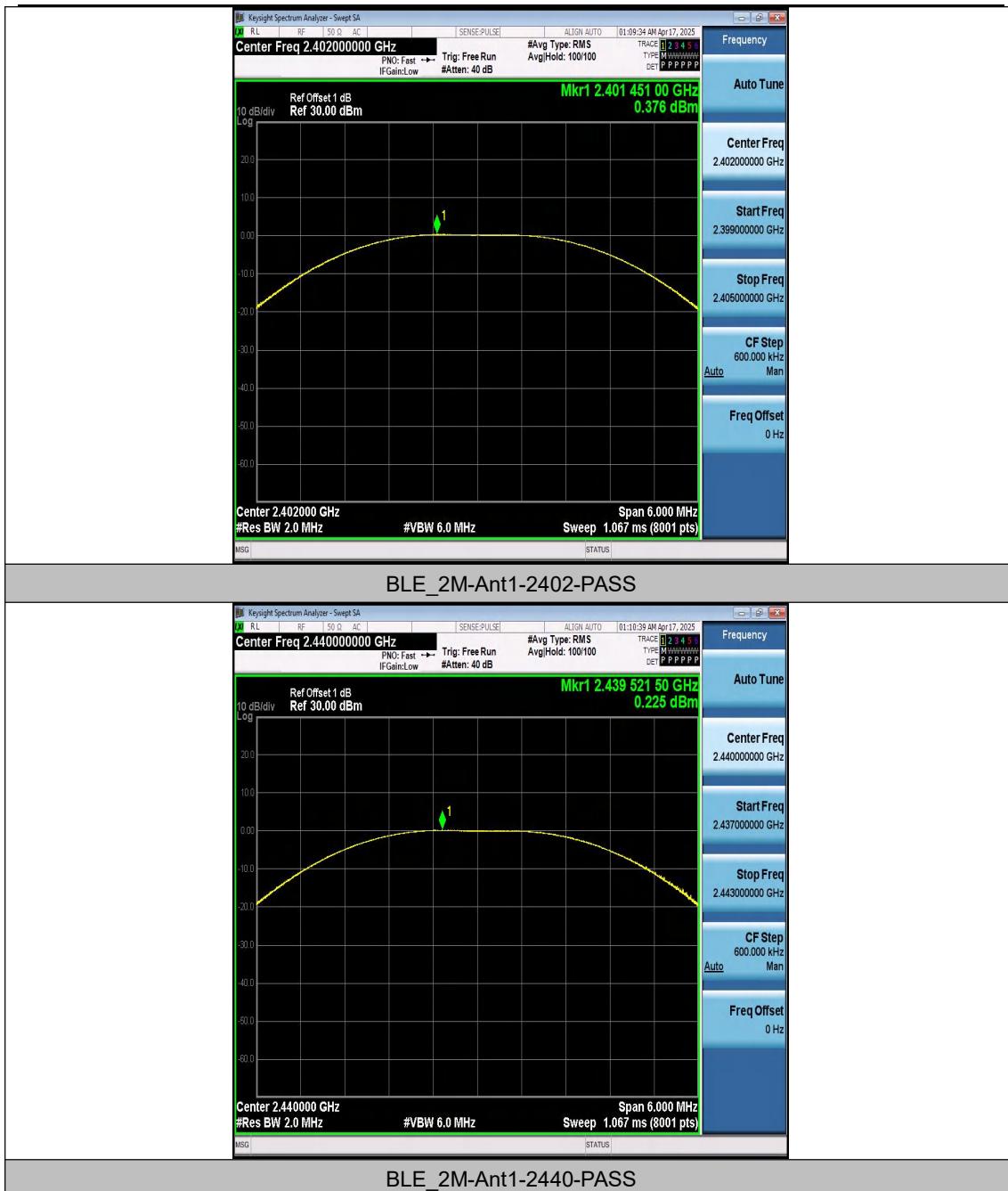
Test Graphs Peak



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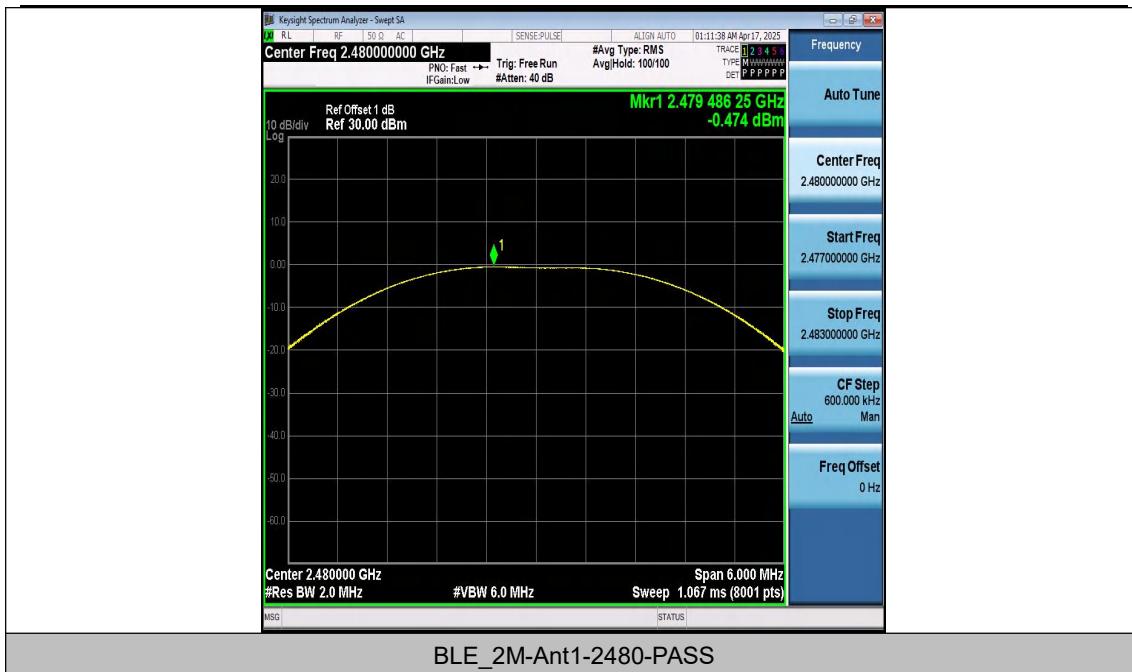
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Appendix D: Maximum power spectral density

Test Result

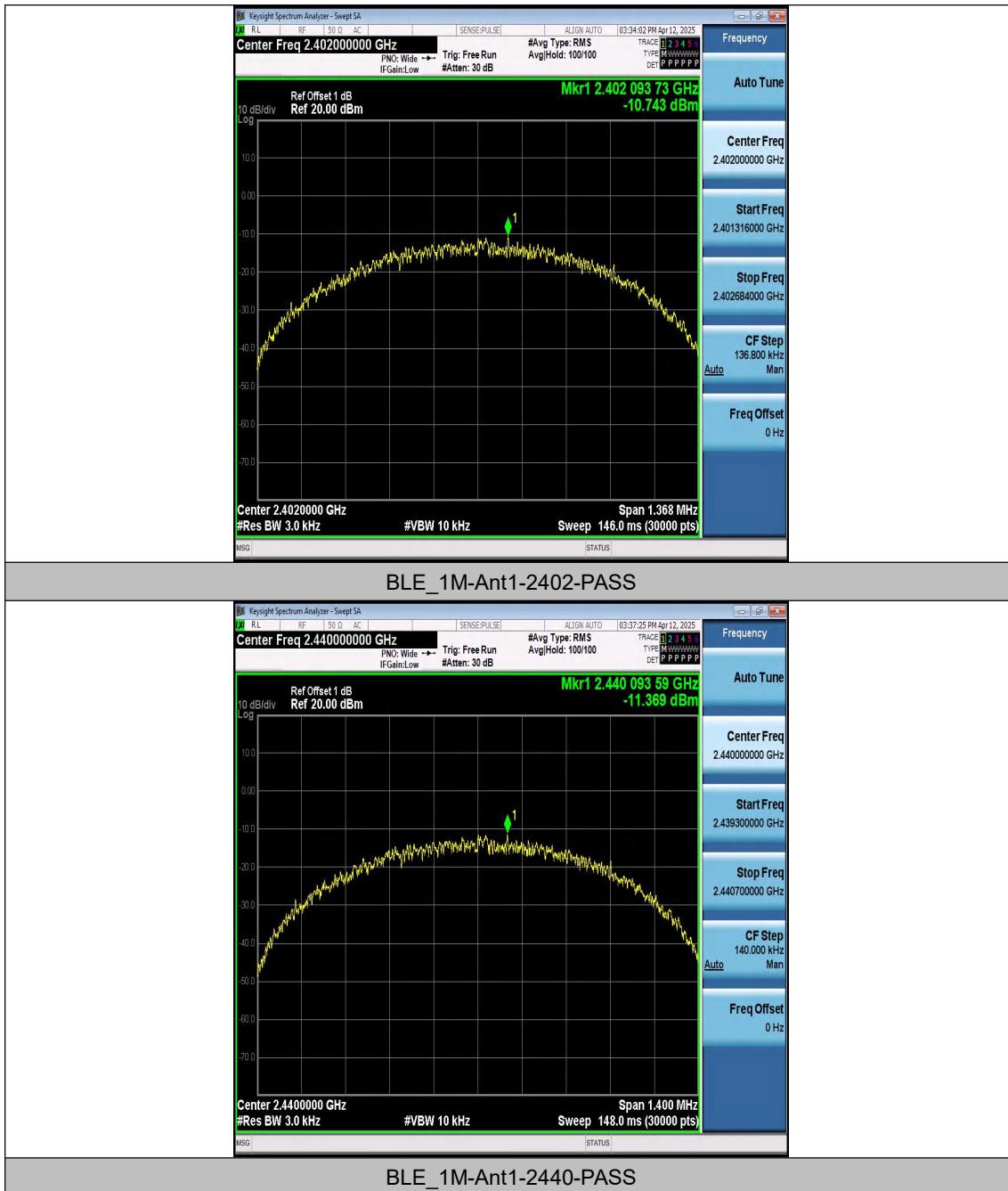
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-10.74	≤8.00	PASS
BLE_1M	Ant1	2440	-11.37	≤8.00	PASS
BLE_1M	Ant1	2480	-12.11	≤8.00	PASS
BLE_2M	Ant1	2402	-13.91	≤8.00	PASS
BLE_2M	Ant1	2440	-14.52	≤8.00	PASS
BLE_2M	Ant1	2480	-15.19	≤8.00	PASS

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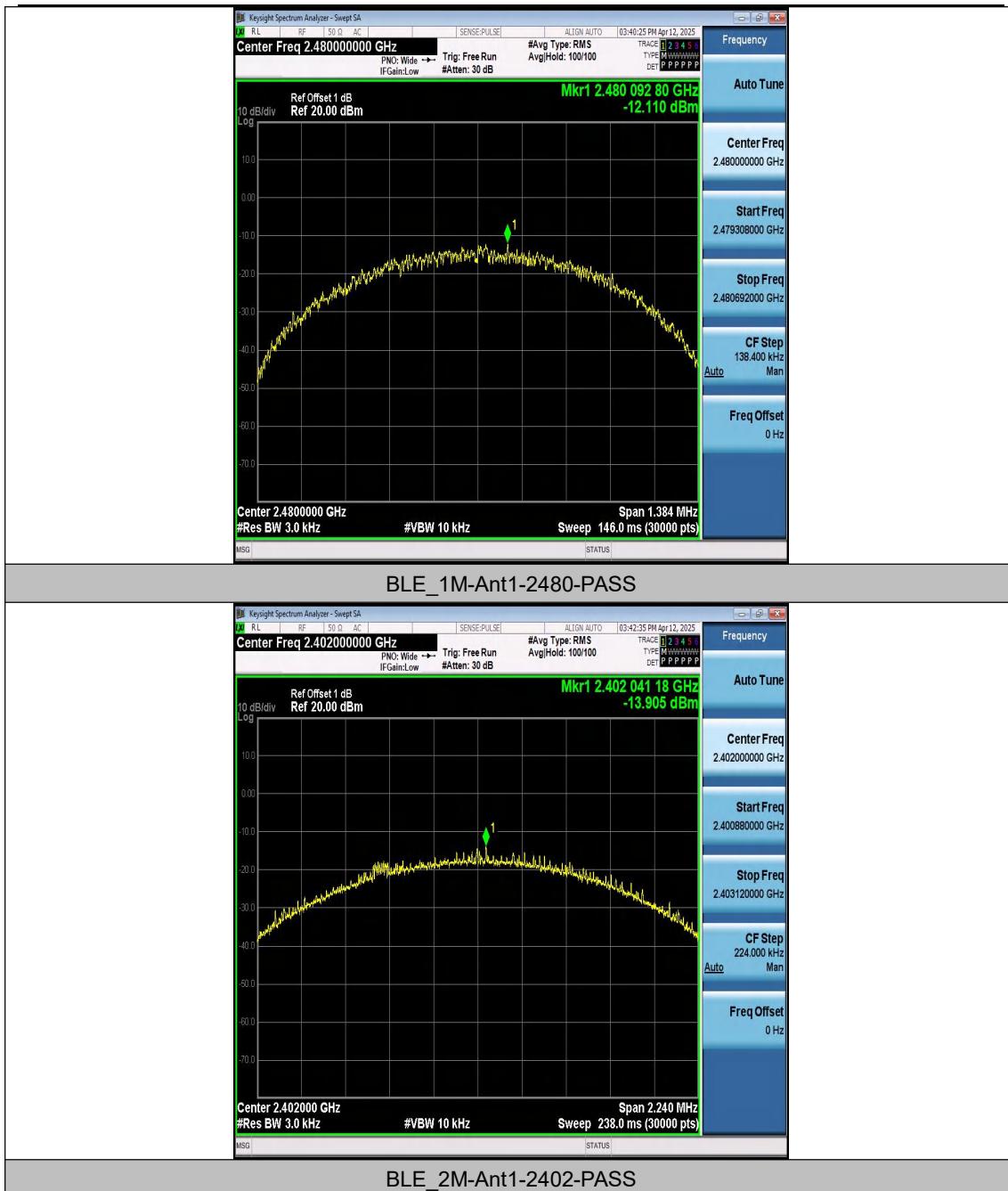
Test Graphs



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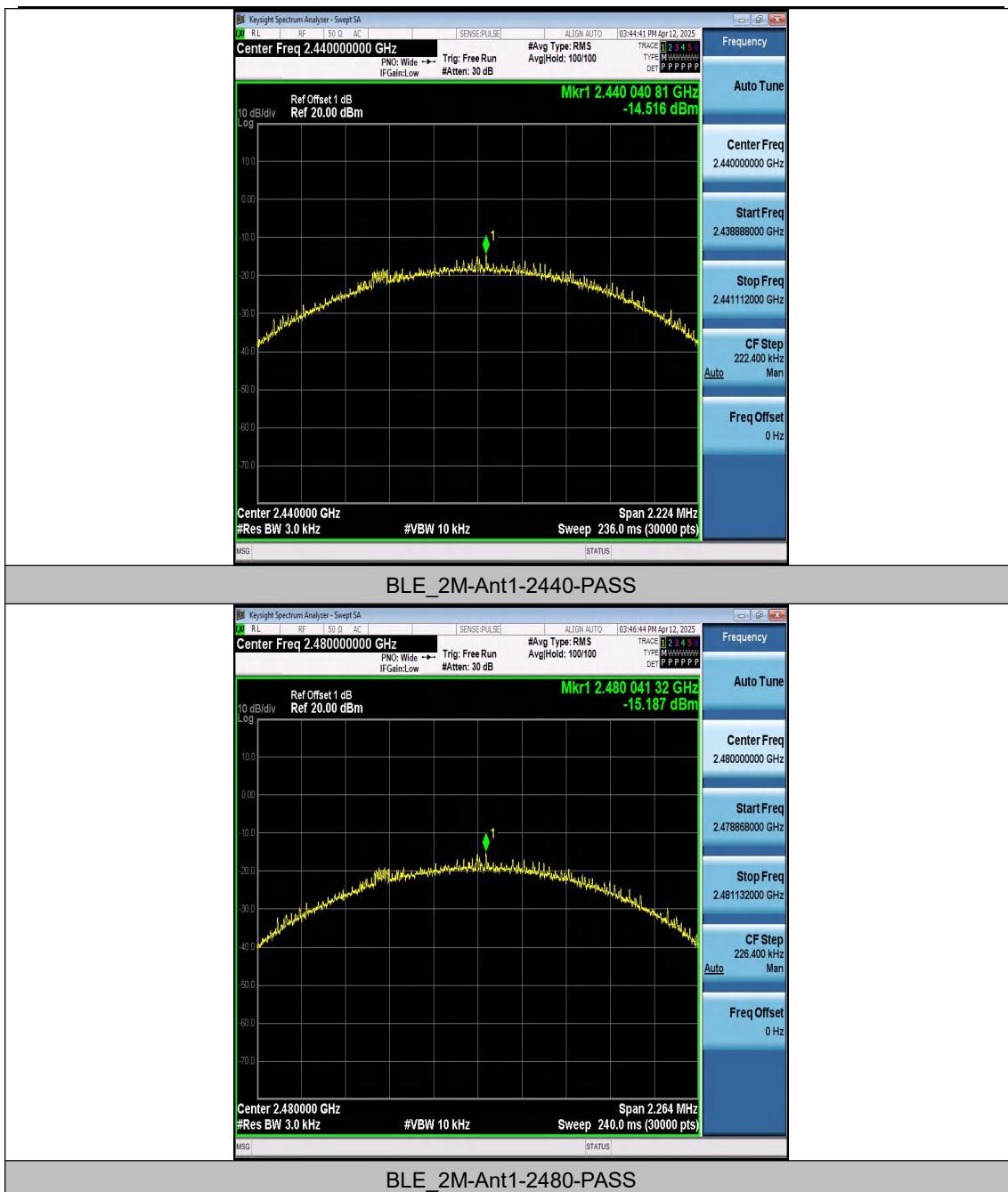
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Appendix E: Band edge measurements

Test Result

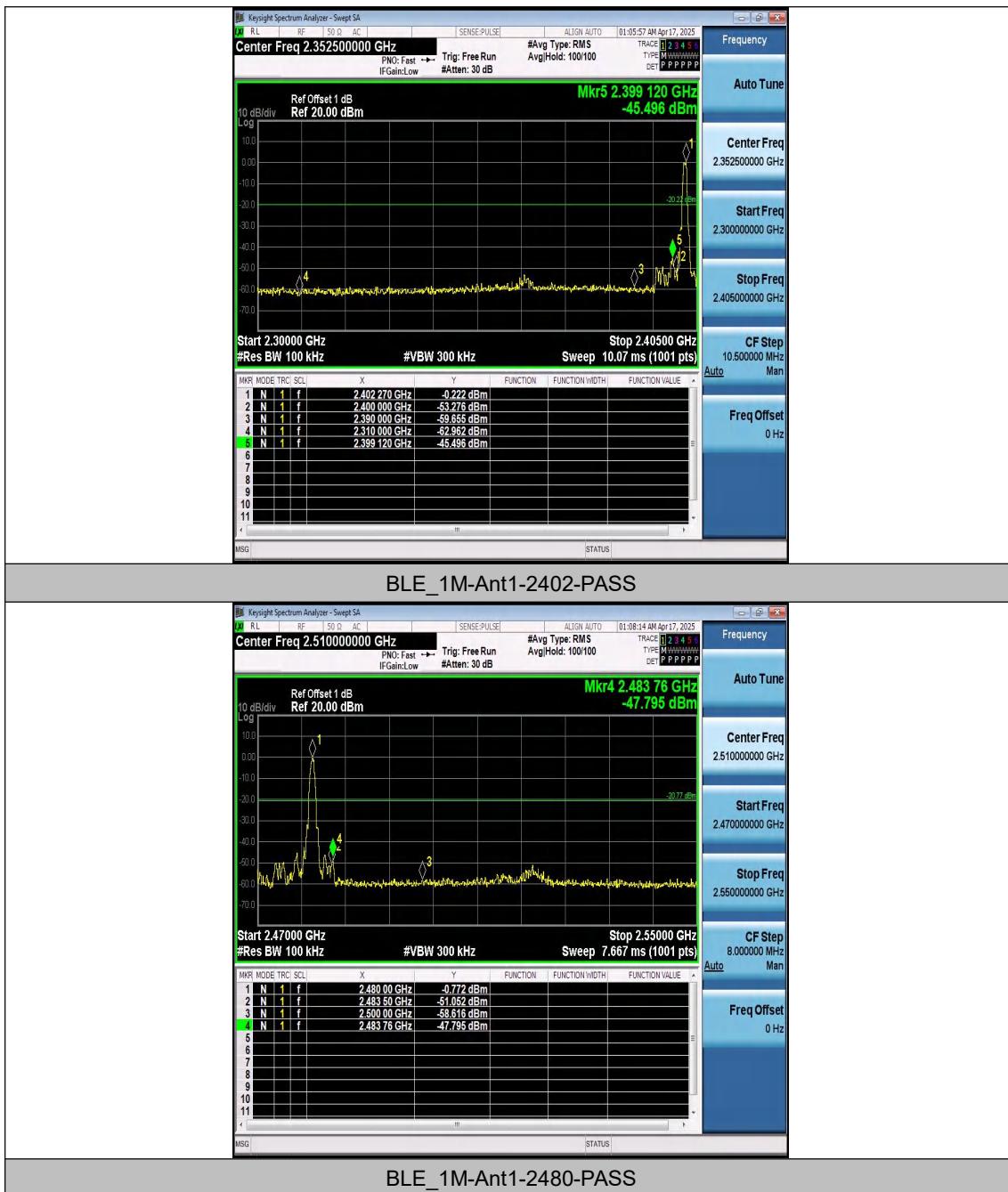
Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.22	-45.5	≤-20.22	PASS
BLE_1M	Ant1	High	2480	-0.77	-47.8	≤-20.77	PASS
BLE_2M	Ant1	Low	2402	-1.03	-35.35	≤-21.03	PASS
BLE_2M	Ant1	High	2480	-0.62	-52.18	≤-20.62	PASS

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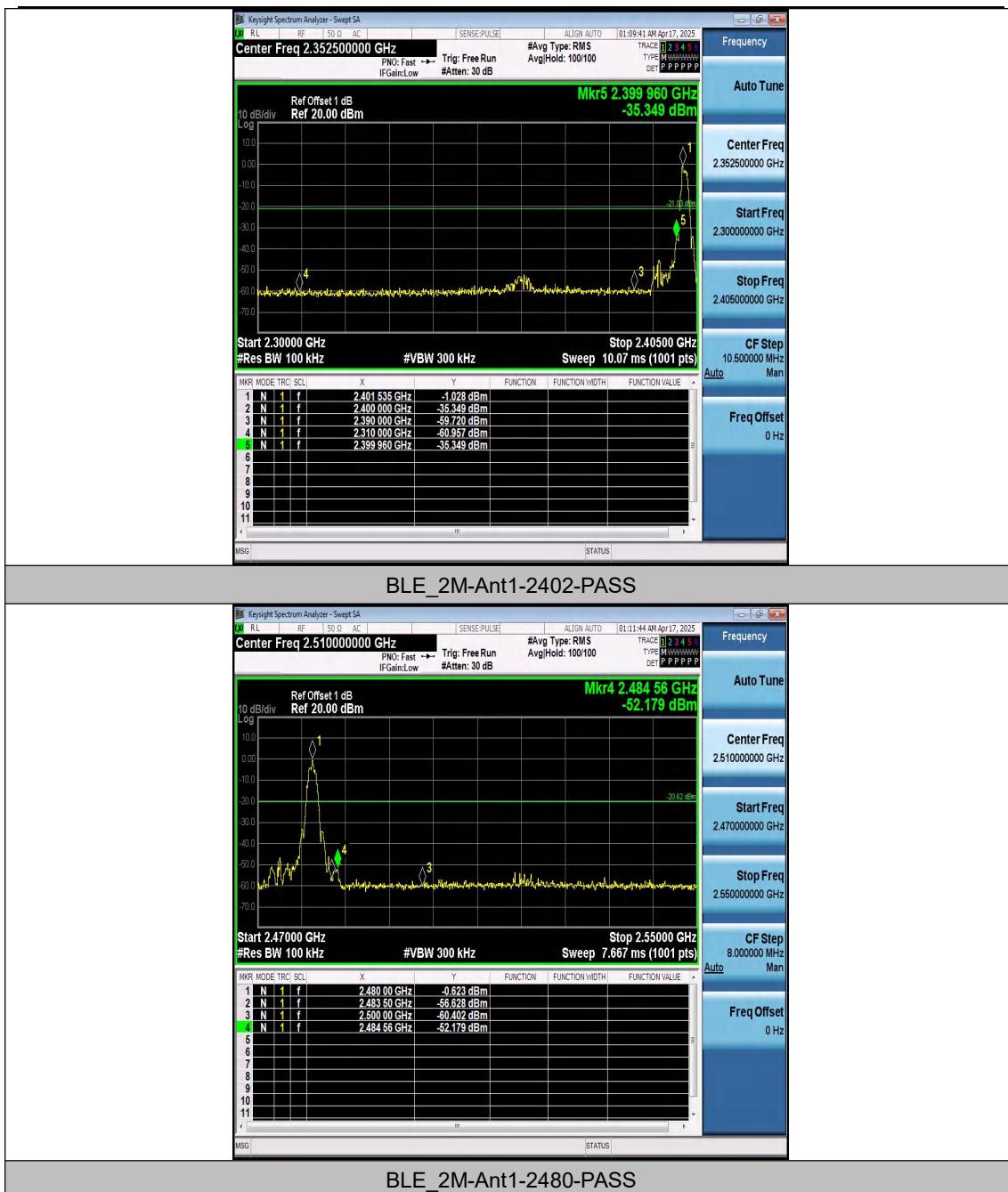
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Appendix F: Conducted Spurious Emission

Test Result

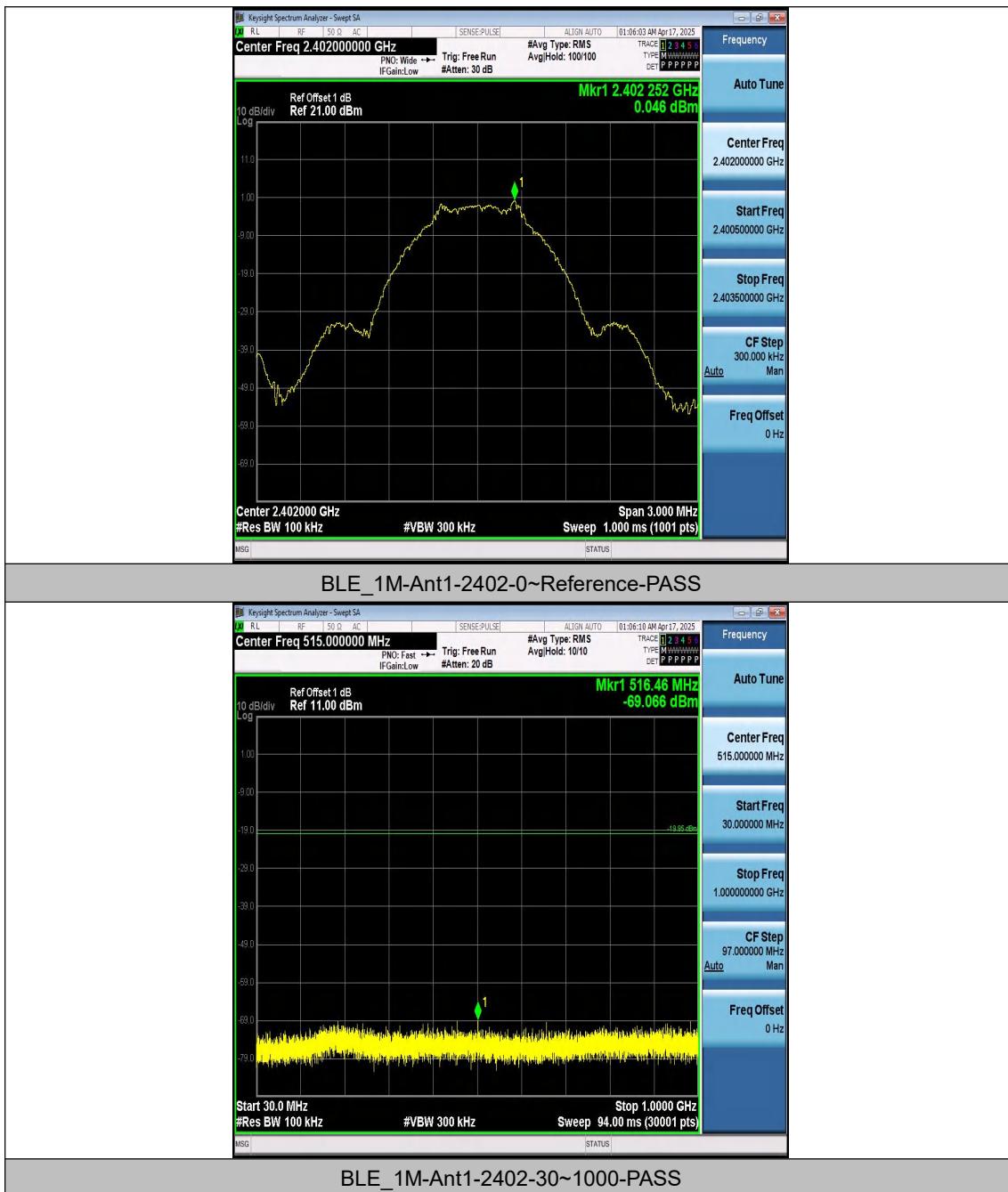
Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	0.05	0.05	---	PASS
BLE_1M	Ant1	2402	30~1000	0.05	-69.07	≤-19.95	PASS
BLE_1M	Ant1	2402	1000~26500	0.05	-41.86	≤-19.95	PASS
BLE_1M	Ant1	2440	0~Reference	-0.18	-0.18	---	PASS
BLE_1M	Ant1	2440	30~1000	-0.18	-68.82	≤-20.18	PASS
BLE_1M	Ant1	2440	1000~26500	-0.18	-44.01	≤-20.18	PASS
BLE_1M	Ant1	2480	0~Reference	-1.00	-1.00	---	PASS
BLE_1M	Ant1	2480	30~1000	-1.00	-68.98	≤-21	PASS
BLE_1M	Ant1	2480	1000~26500	-1.00	-43.87	≤-21	PASS
BLE_2M	Ant1	2402	0~Reference	-0.08	-0.08	---	PASS
BLE_2M	Ant1	2402	30~1000	-0.08	-67.95	≤-20.08	PASS
BLE_2M	Ant1	2402	1000~26500	-0.08	-41.87	≤-20.08	PASS
BLE_2M	Ant1	2440	0~Reference	-0.98	-0.98	---	PASS
BLE_2M	Ant1	2440	30~1000	-0.98	-68.67	≤-20.98	PASS
BLE_2M	Ant1	2440	1000~26500	-0.98	-45.6	≤-20.98	PASS
BLE_2M	Ant1	2480	0~Reference	-0.88	-0.88	---	PASS
BLE_2M	Ant1	2480	30~1000	-0.88	-69.29	≤-20.88	PASS
BLE_2M	Ant1	2480	1000~26500	-0.88	-43.88	≤-20.88	PASS

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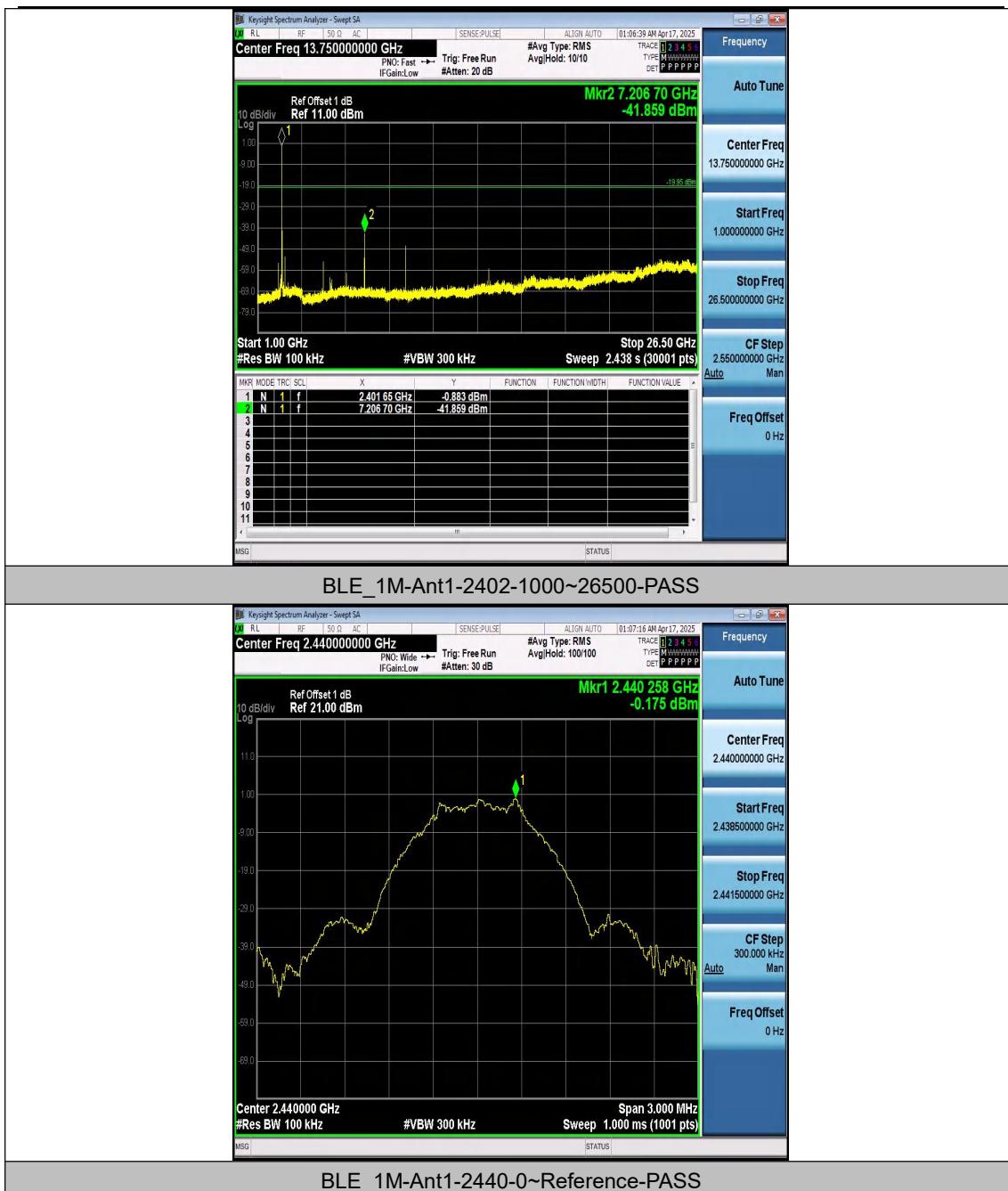
Test Graphs



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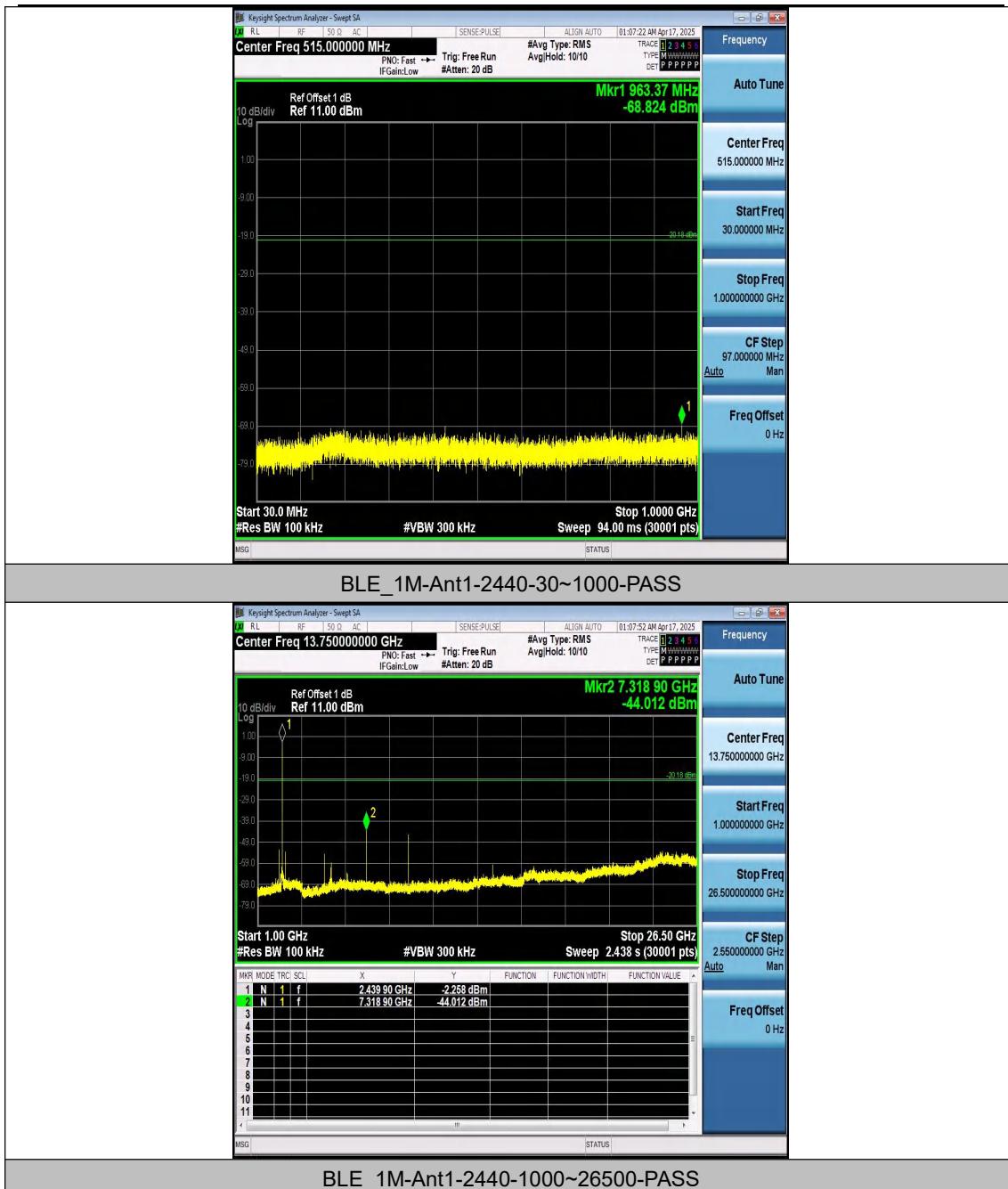
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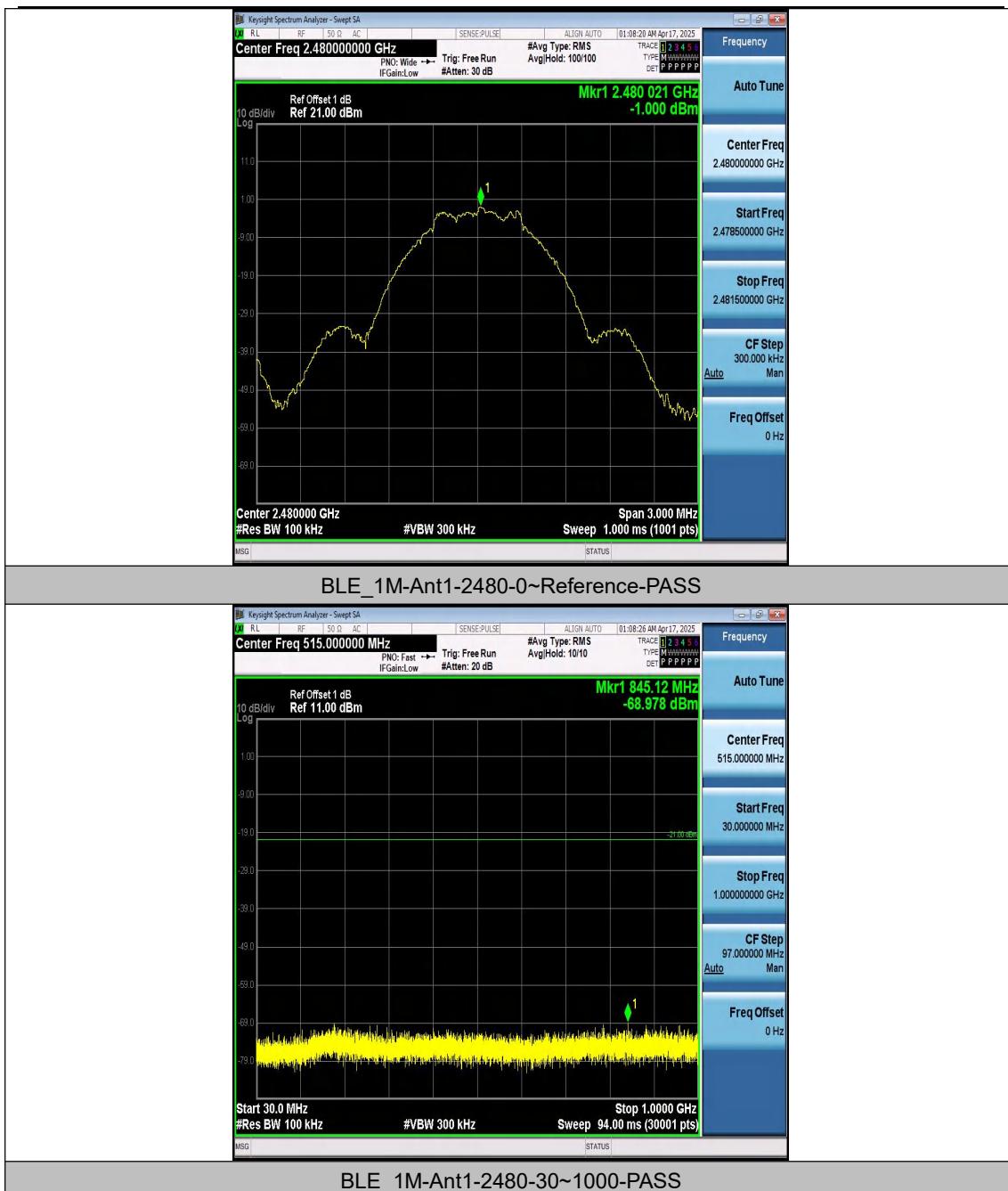
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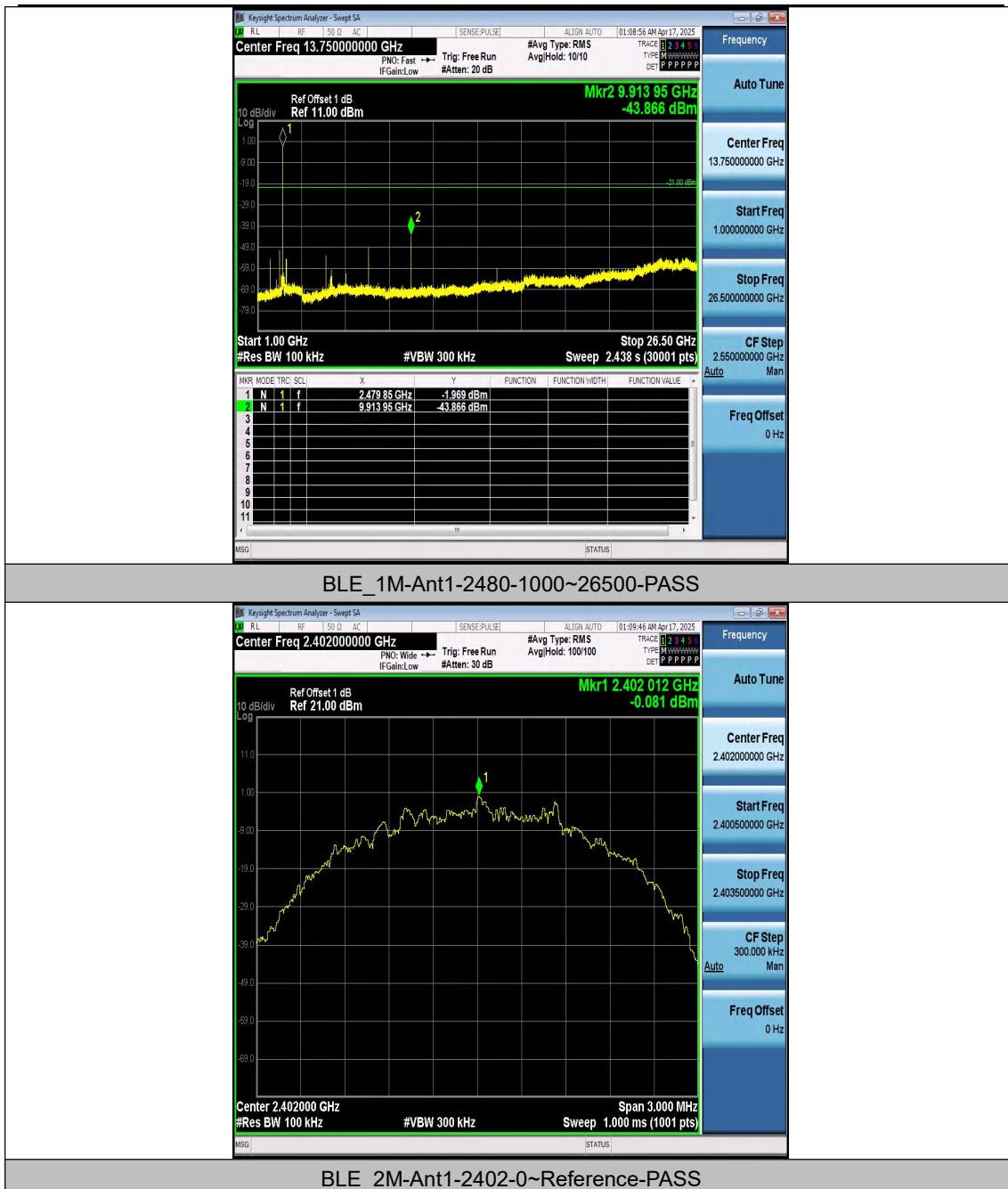
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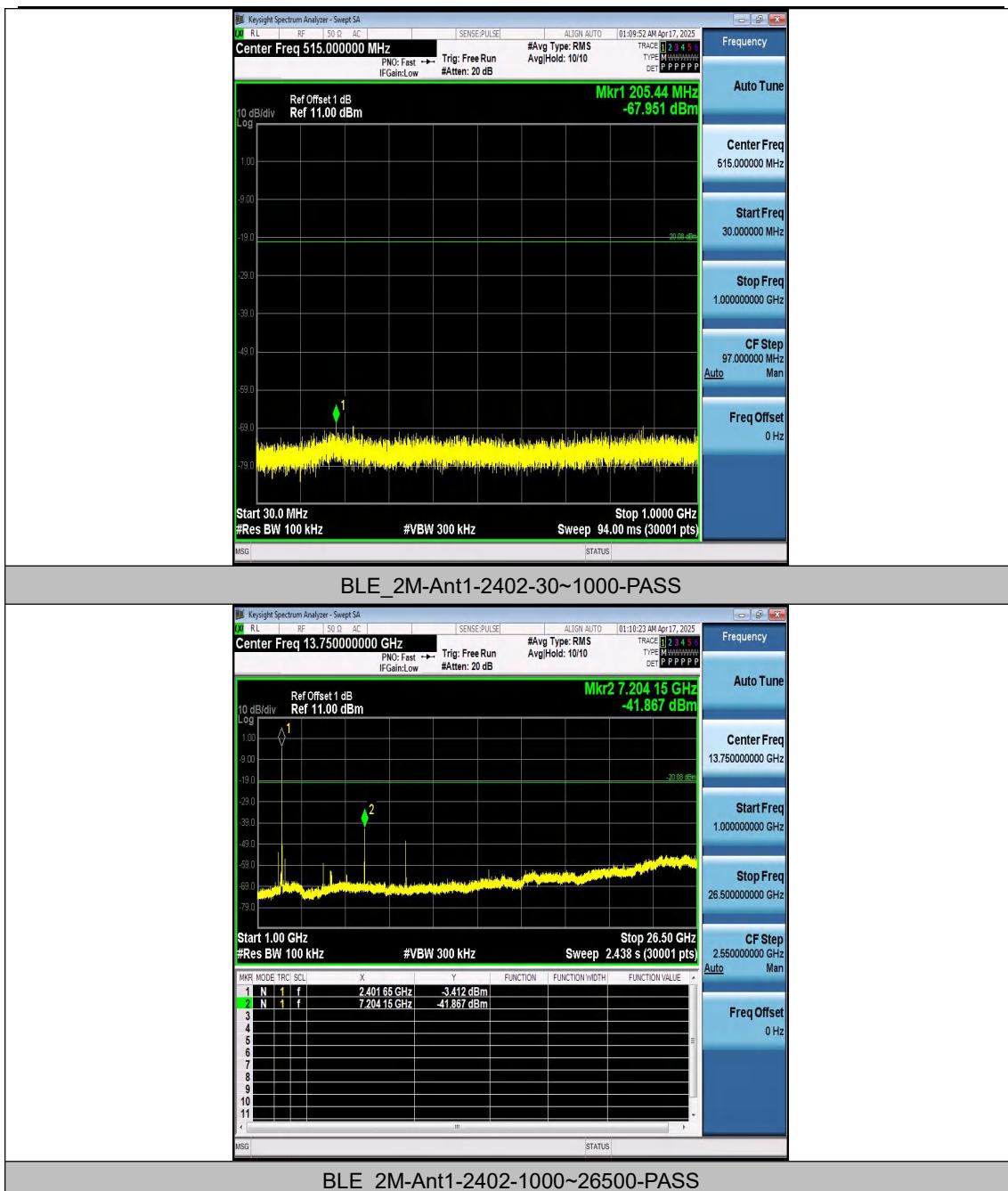
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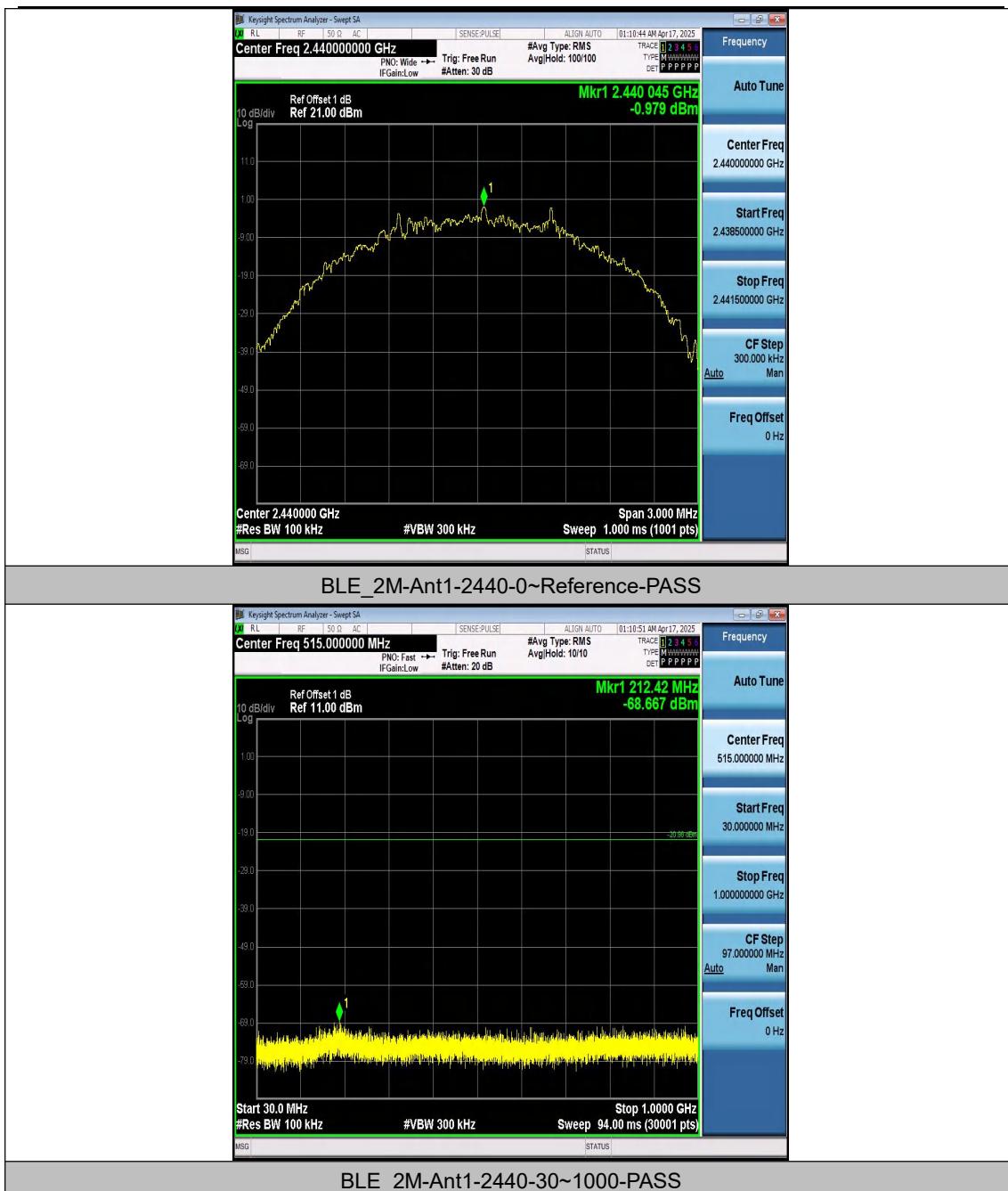
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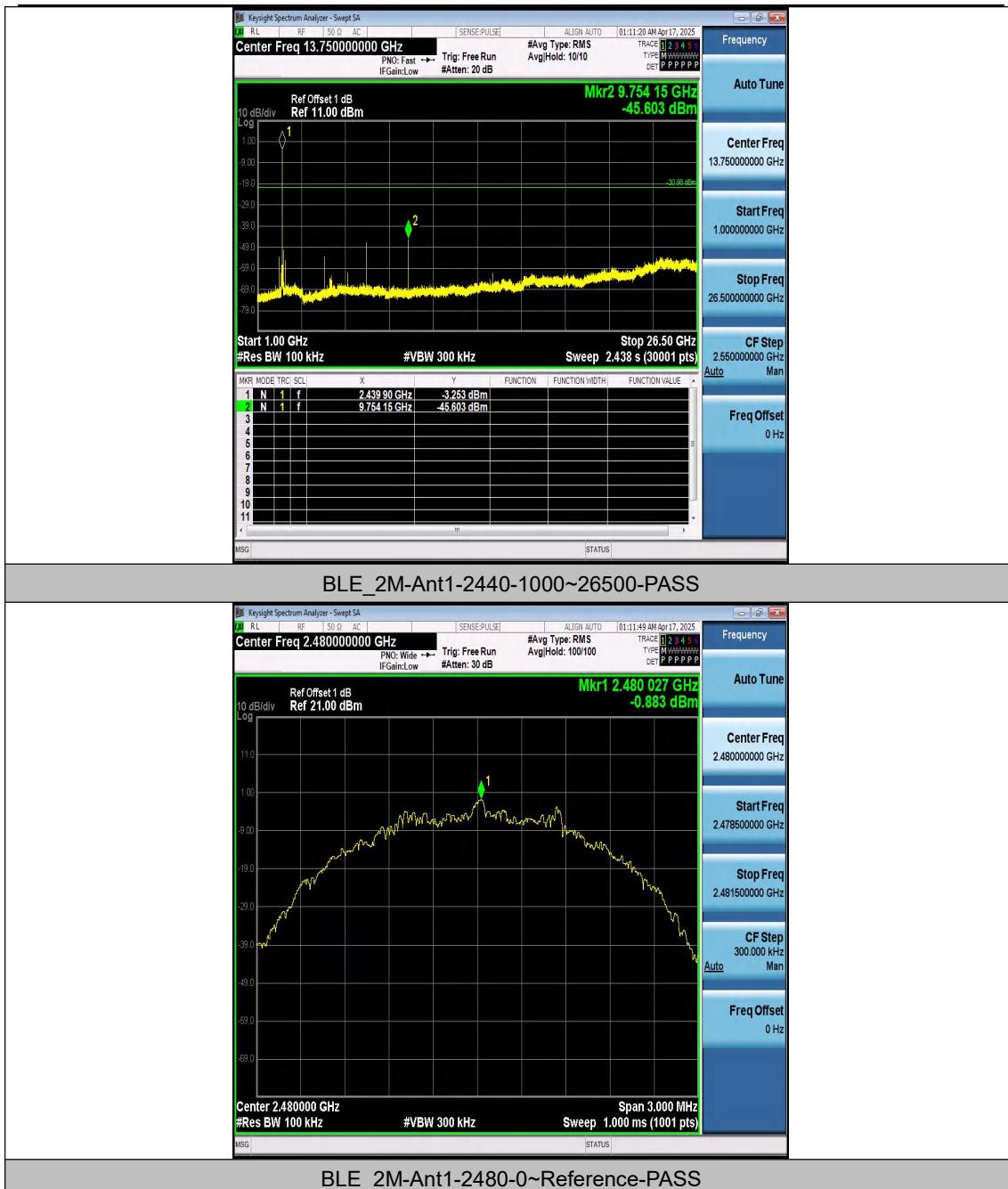
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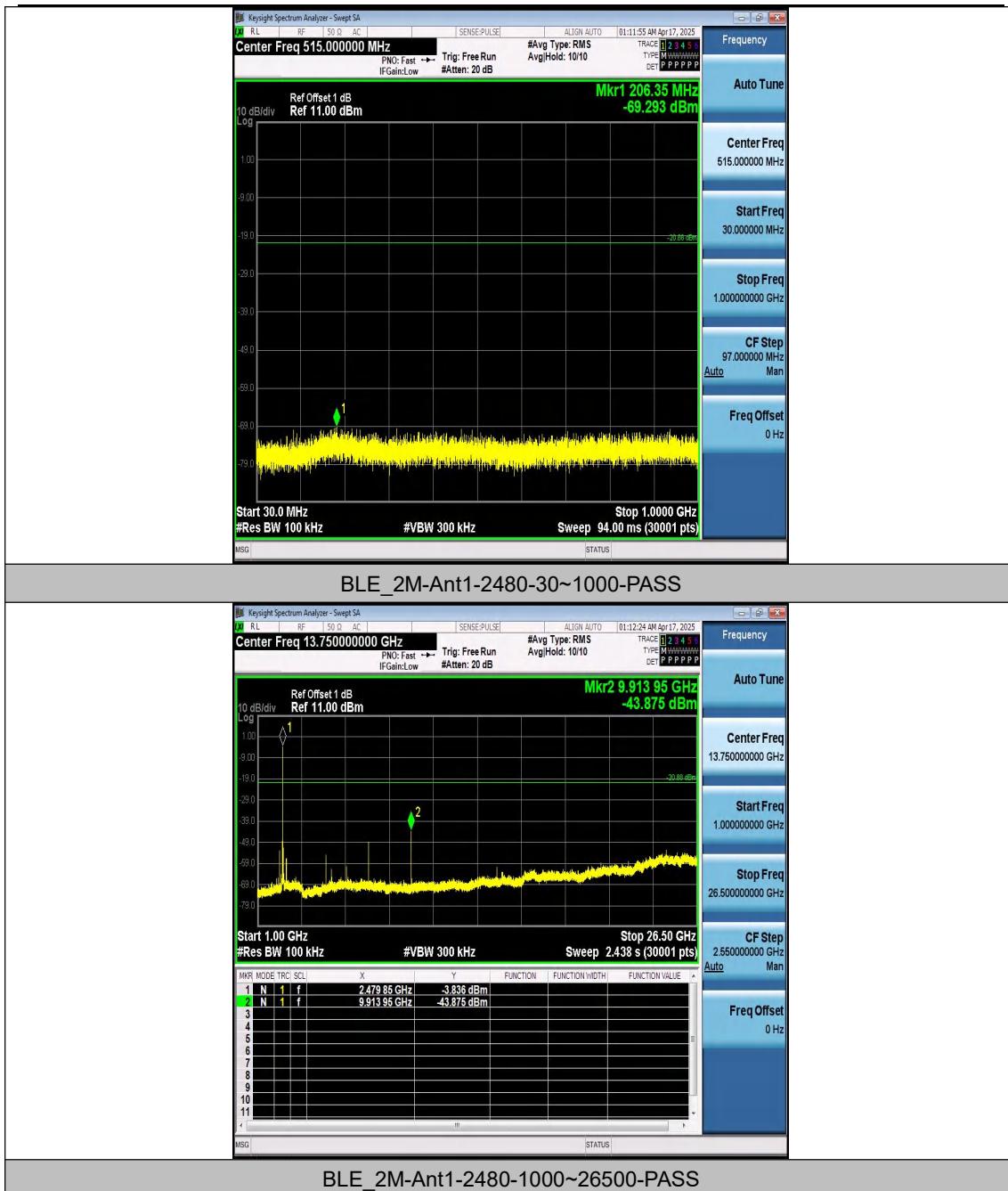
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Appendix G: Duty Cycle

Test Result

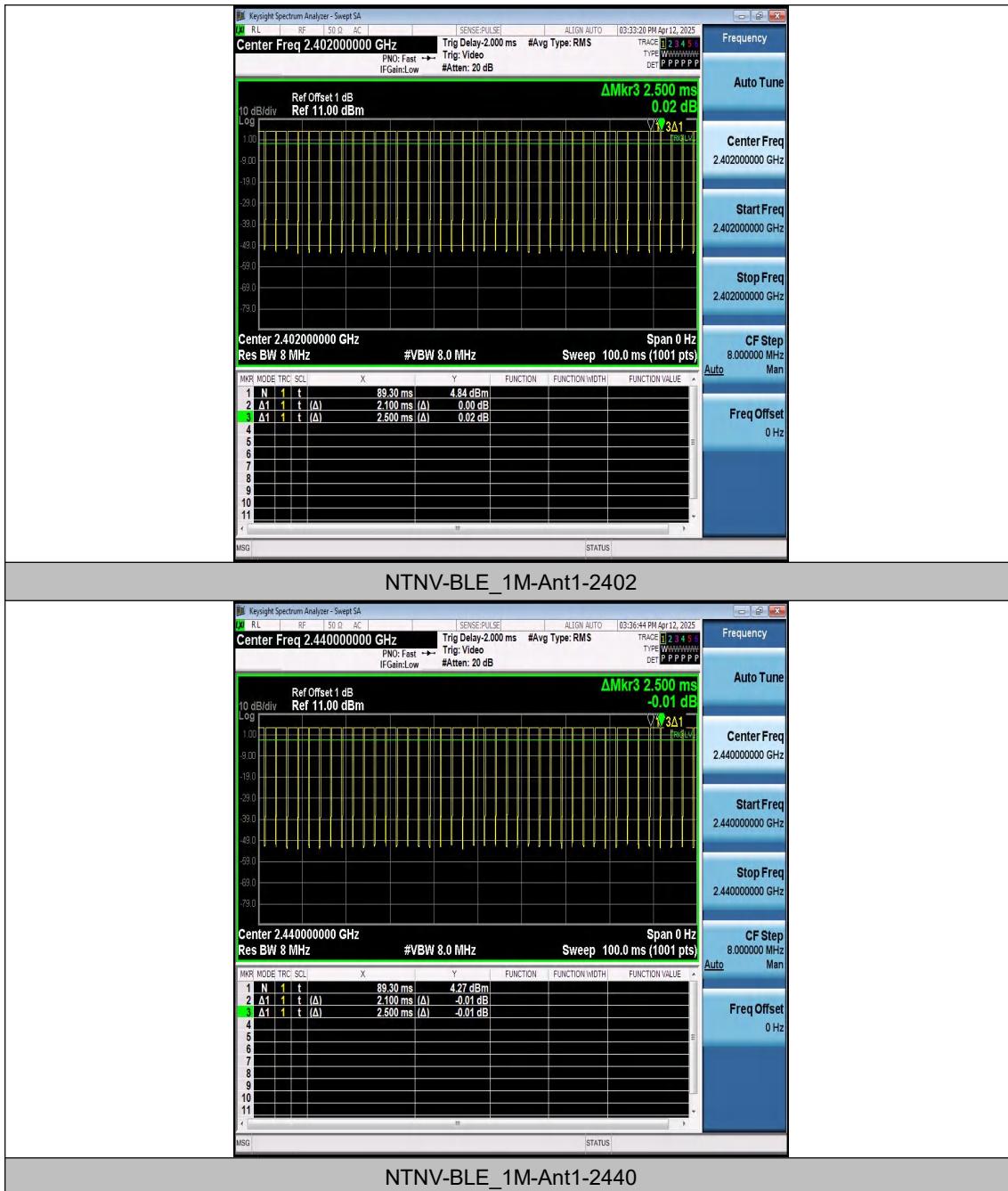
Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.10	2.50	84.00	0.76
BLE_1M	Ant1	2440	2.10	2.50	84.00	0.76
BLE_1M	Ant1	2480	2.10	2.50	84.00	0.76
BLE_2M	Ant1	2402	1.00	1.20	83.33	0.79
BLE_2M	Ant1	2440	1.00	1.20	83.33	0.79
BLE_2M	Ant1	2480	2.30	2.50	92.00	0.36

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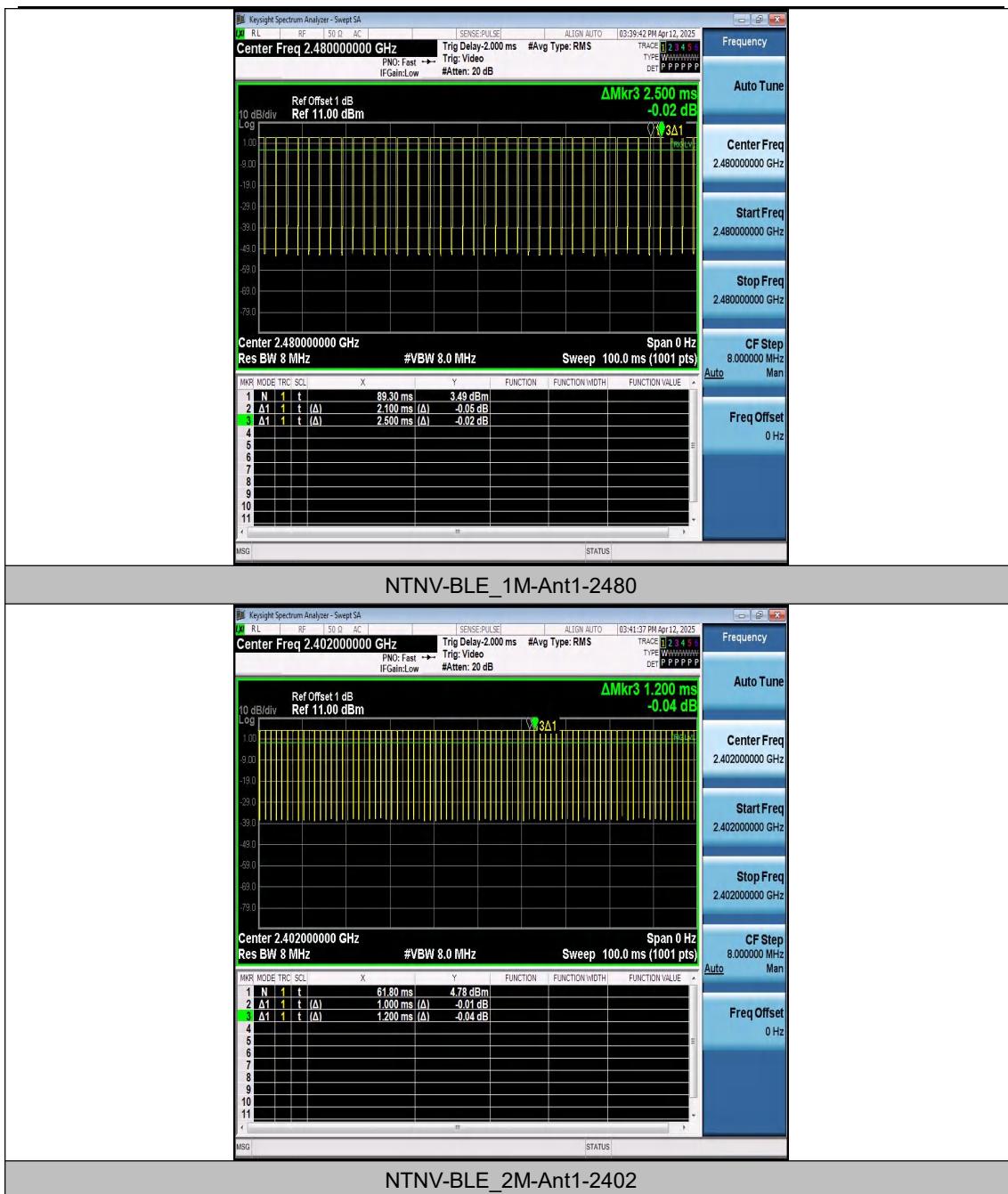
Test Graphs



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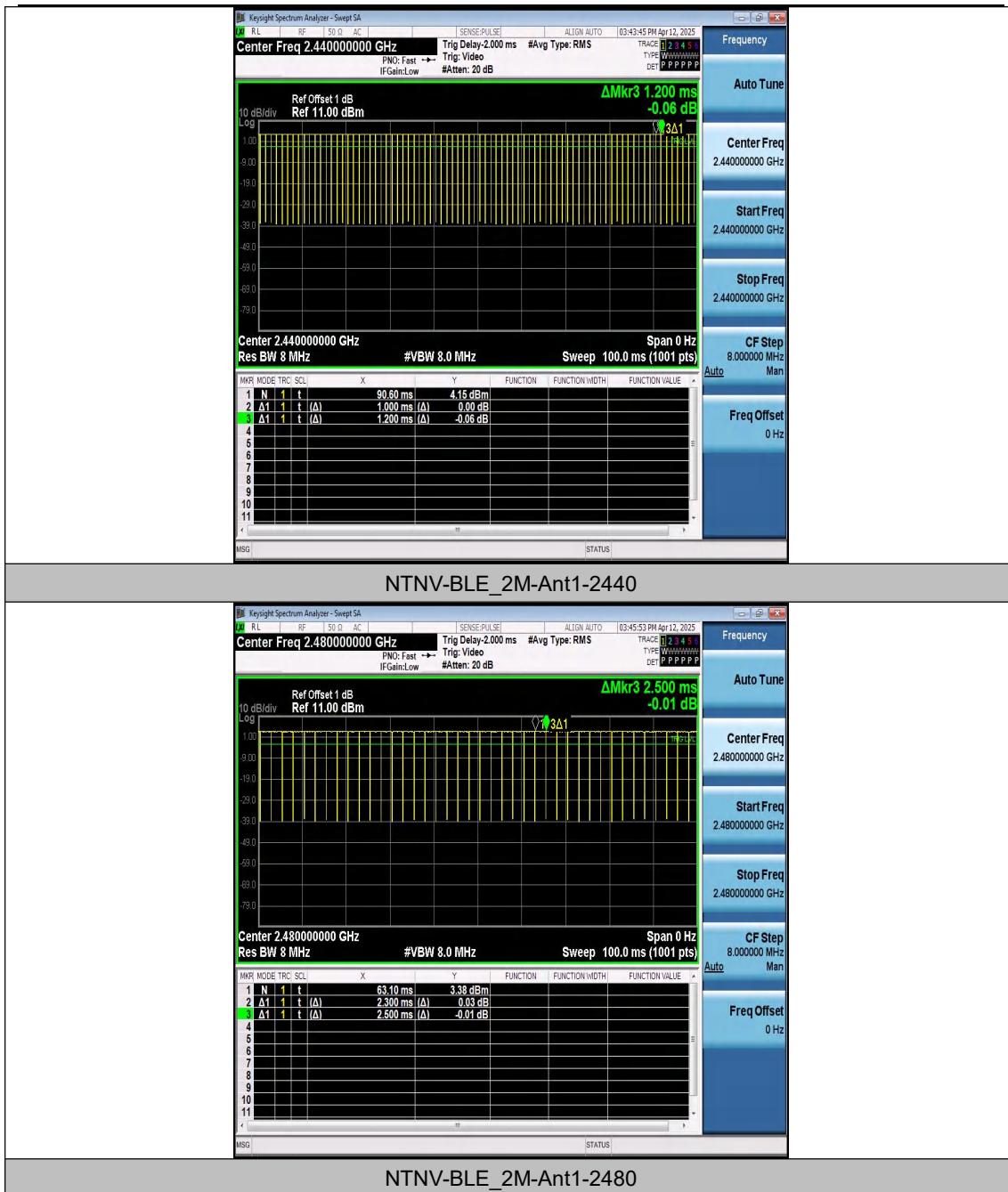
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