

Appendix Test Data

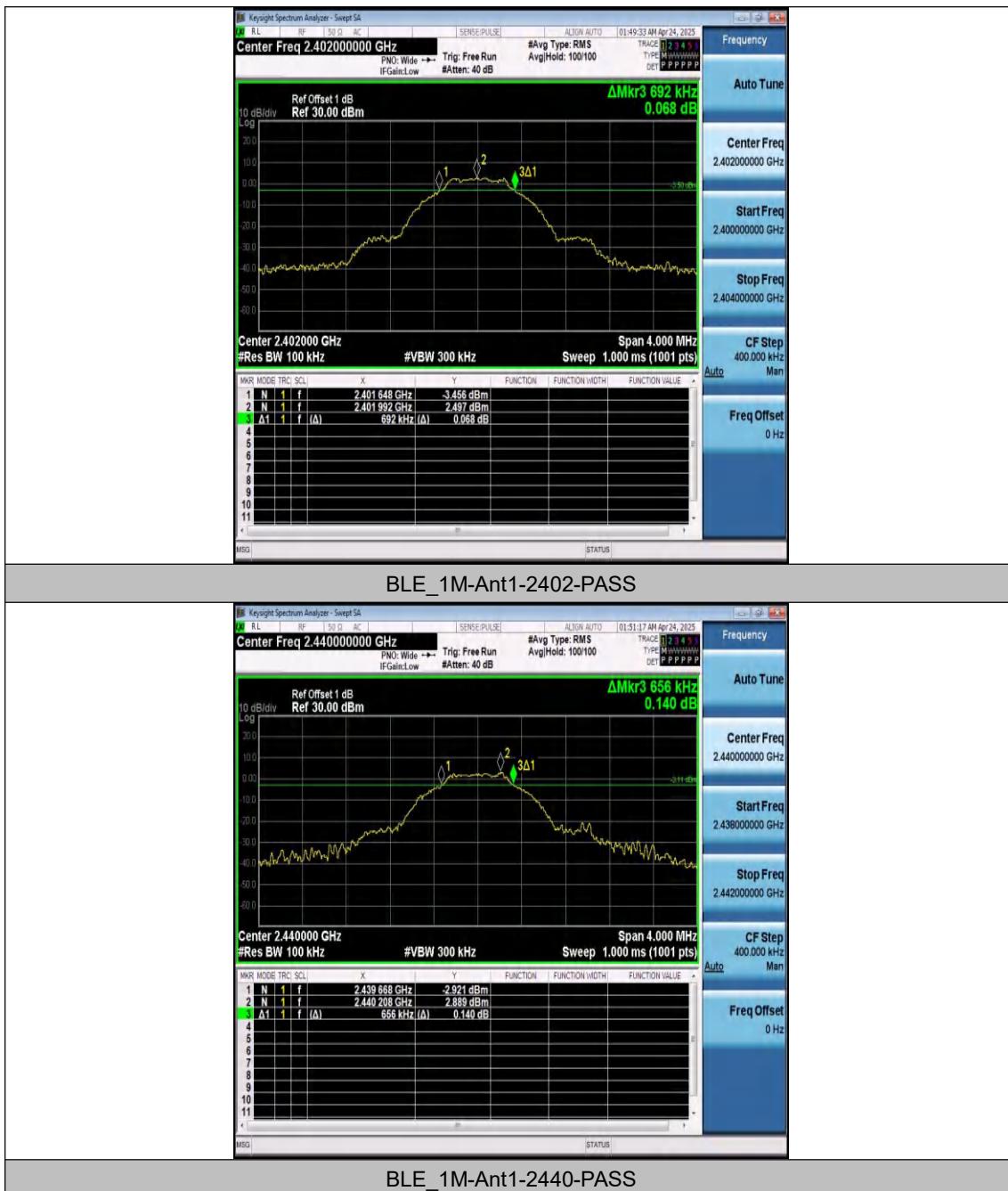
Report No.:	1812C50153912501	Test Sample No.:	1-2-2
Start Test Date:	2025-04-24	Finish Test Date:	2025-04-24
Test Engineer:	Aless Peng	Auditor:	Justin Feng
Temperature:	21°C	Relative Humidity:	40%
Pressure:	101kPa		

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	0.656	2439.668	2440.324	0.5	PASS
BLE_1M	Ant1	2480	0.644	2479.688	2480.332	0.5	PASS

Test Graphs



**Shenzhen Anbotek Compliance Laboratory Limited**

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Appendix B: 99% Occupied Bandwidth

Test Result

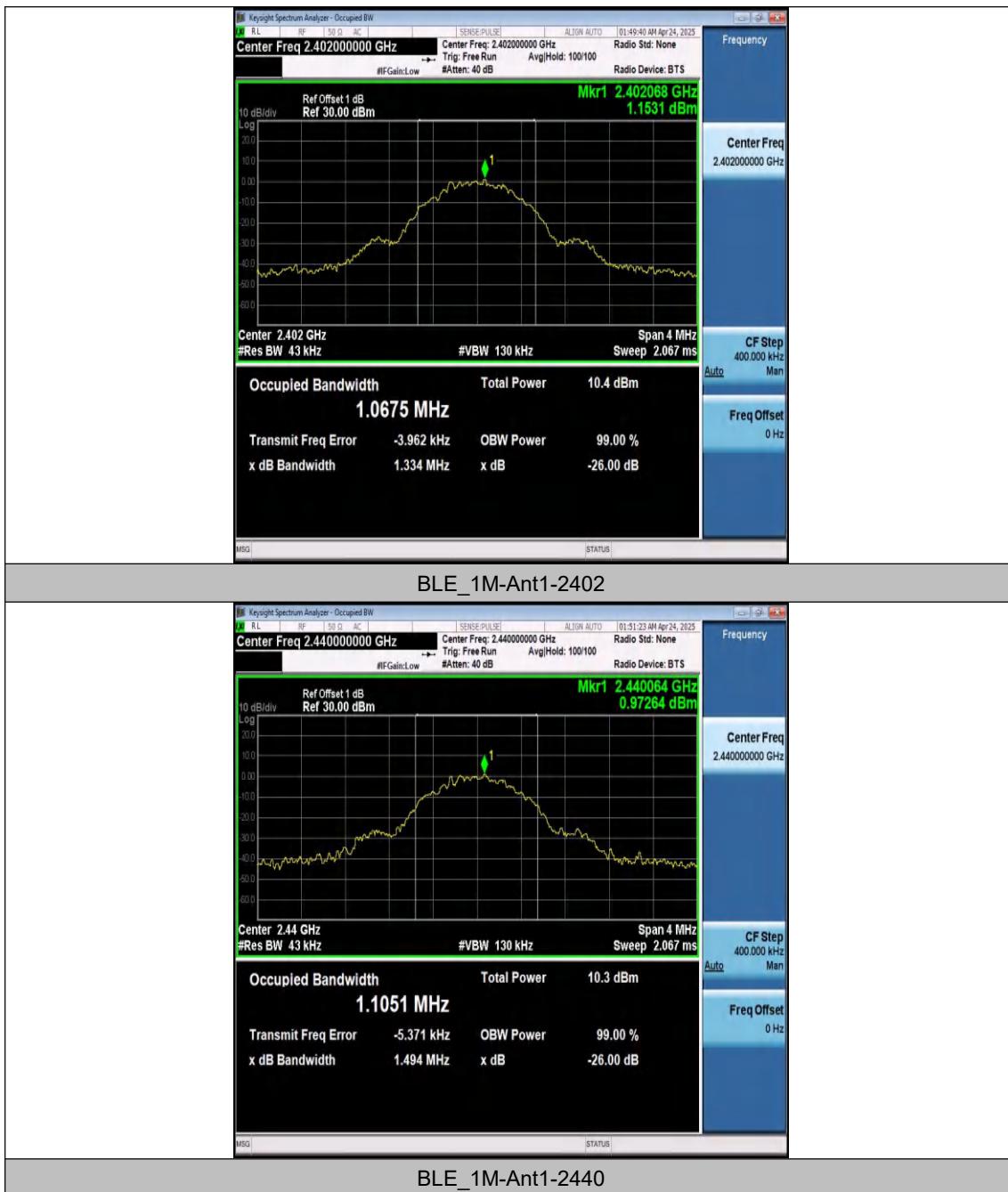
Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0675	2401.4623	2402.5298	---	---
BLE_1M	Ant1	2440	1.1051	2439.4421	2440.5472	---	---
BLE_1M	Ant1	2480	1.1074	2479.4420	2480.5494	---	---

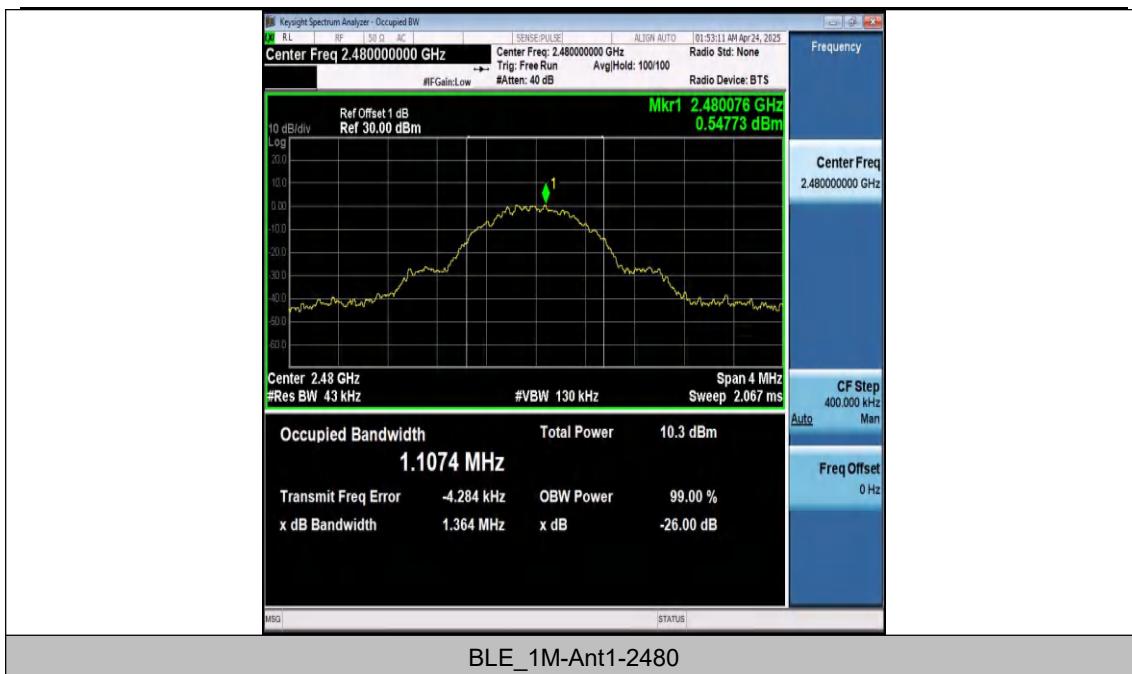
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Test Graphs



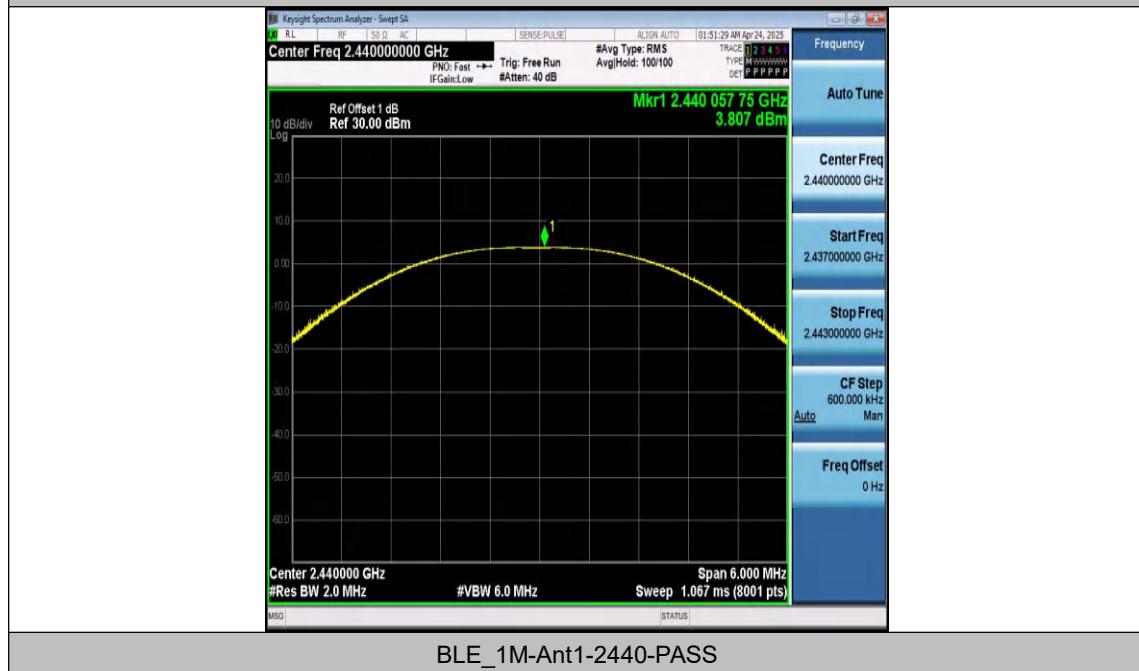
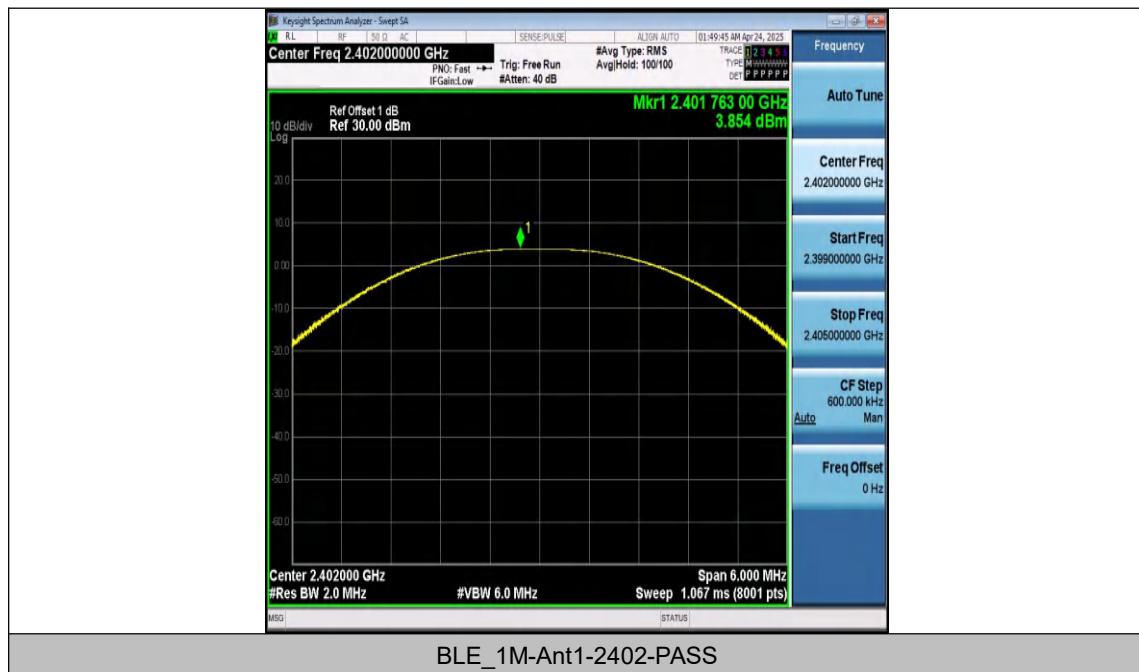


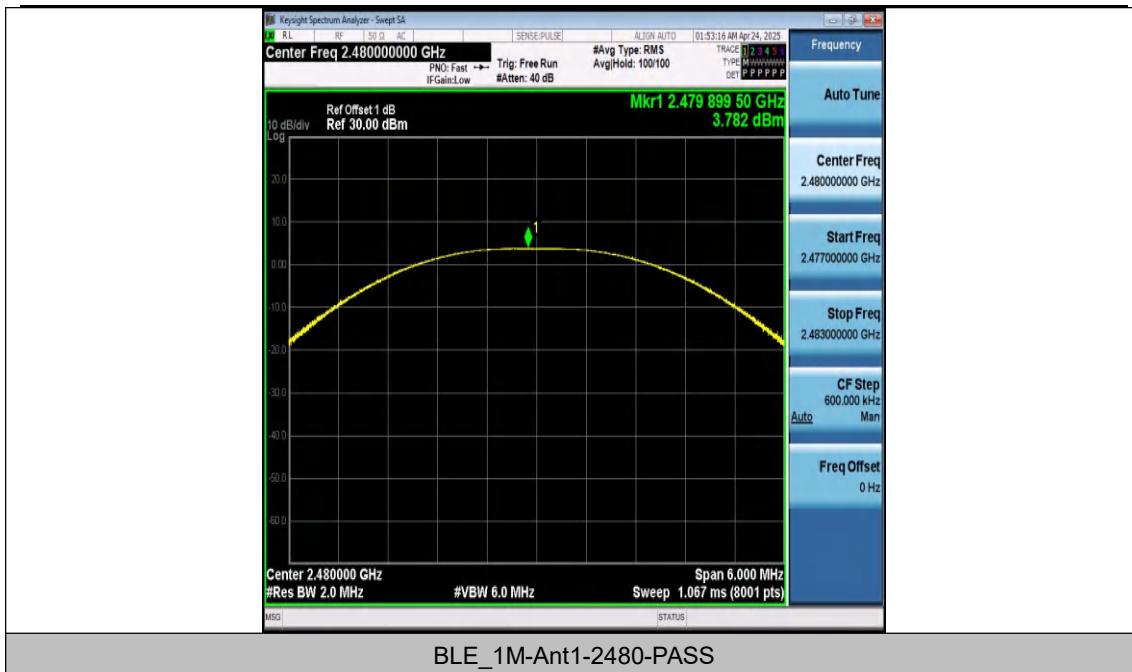
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	3.85	≤30	PASS
BLE_1M	Ant1	2440	3.81	≤30	PASS
BLE_1M	Ant1	2480	3.78	≤30	PASS

Test Graphs Peak



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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	-0.65	≤8.00	PASS
BLE_1M	Ant1	2440	-0.68	≤8.00	PASS
BLE_1M	Ant1	2480	-0.76	≤8.00	PASS

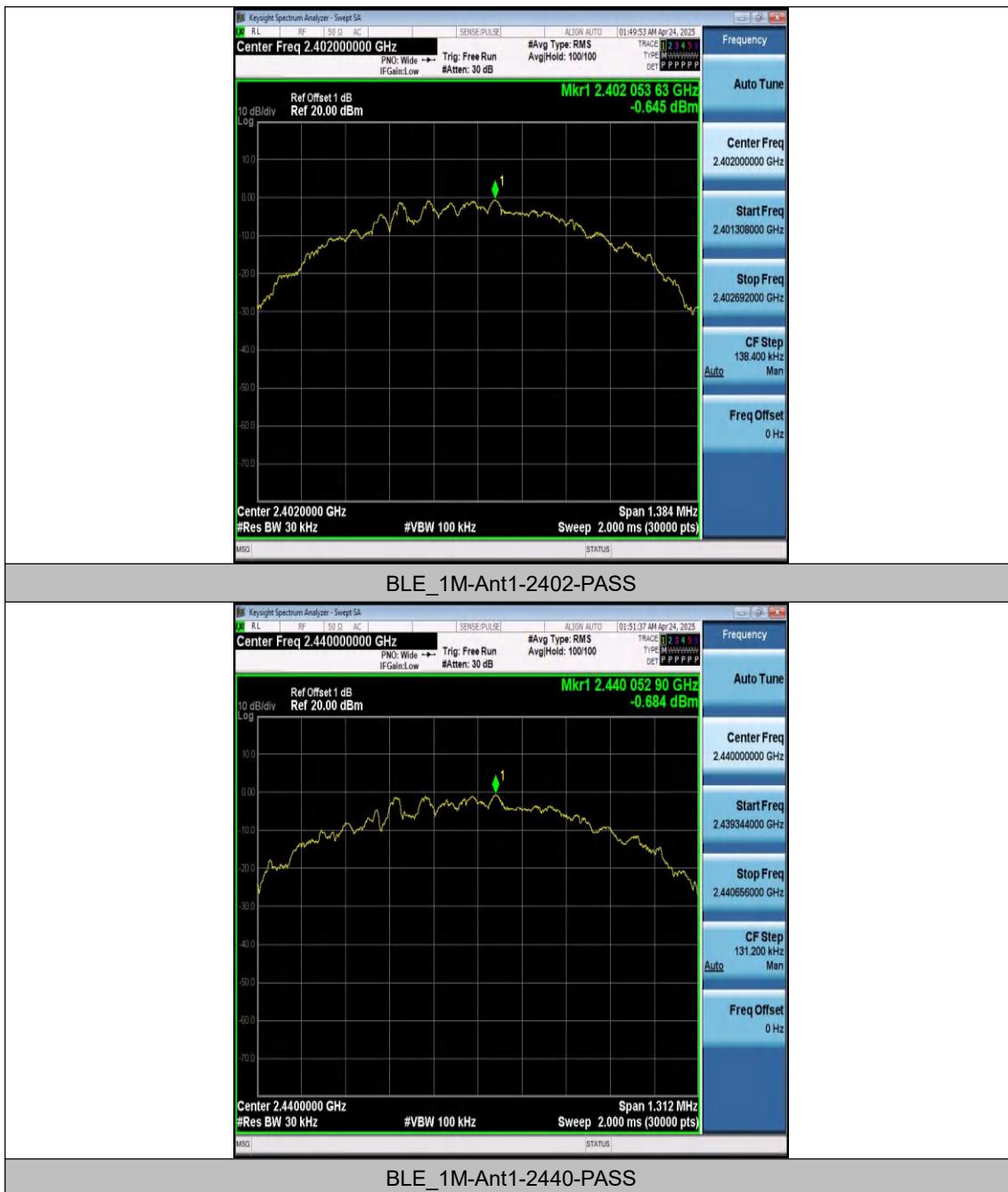
Note:PSD(dBm/3kHz)= PSD(dBm/30kHz)- (10*log(30/3)).

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Test Graphs





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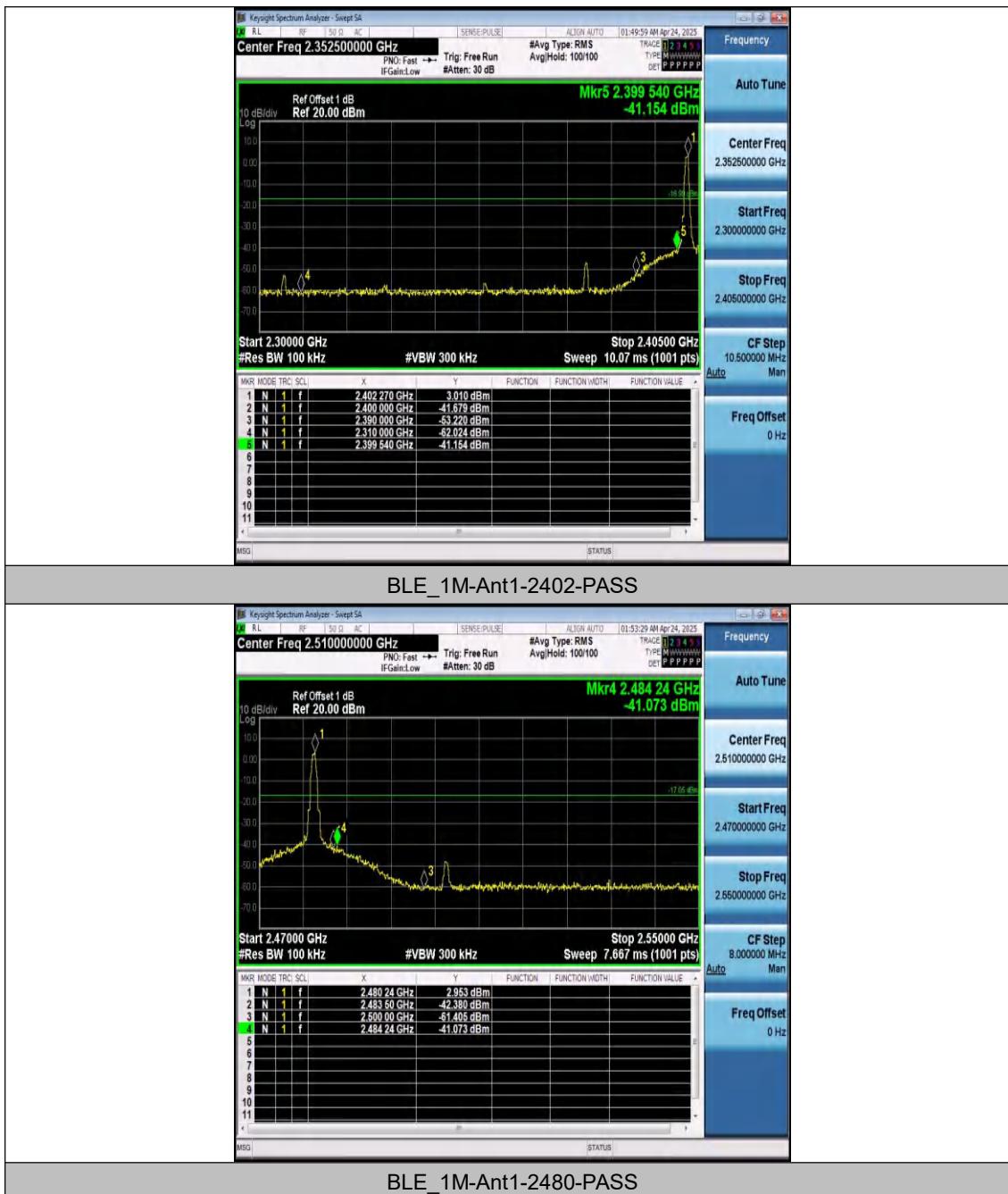
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	3.01	-41.15	≤-16.99	PASS
BLE_1M	Ant1	High	2480	2.95	-41.07	≤-17.05	PASS

Remark:1. Regarding the spurious emissions from 30MHz to 26.5GHz, the cable loss and attenuator factors have been set in the 'offset' of the Spectrum Analyzer during the test.

Test Graphs



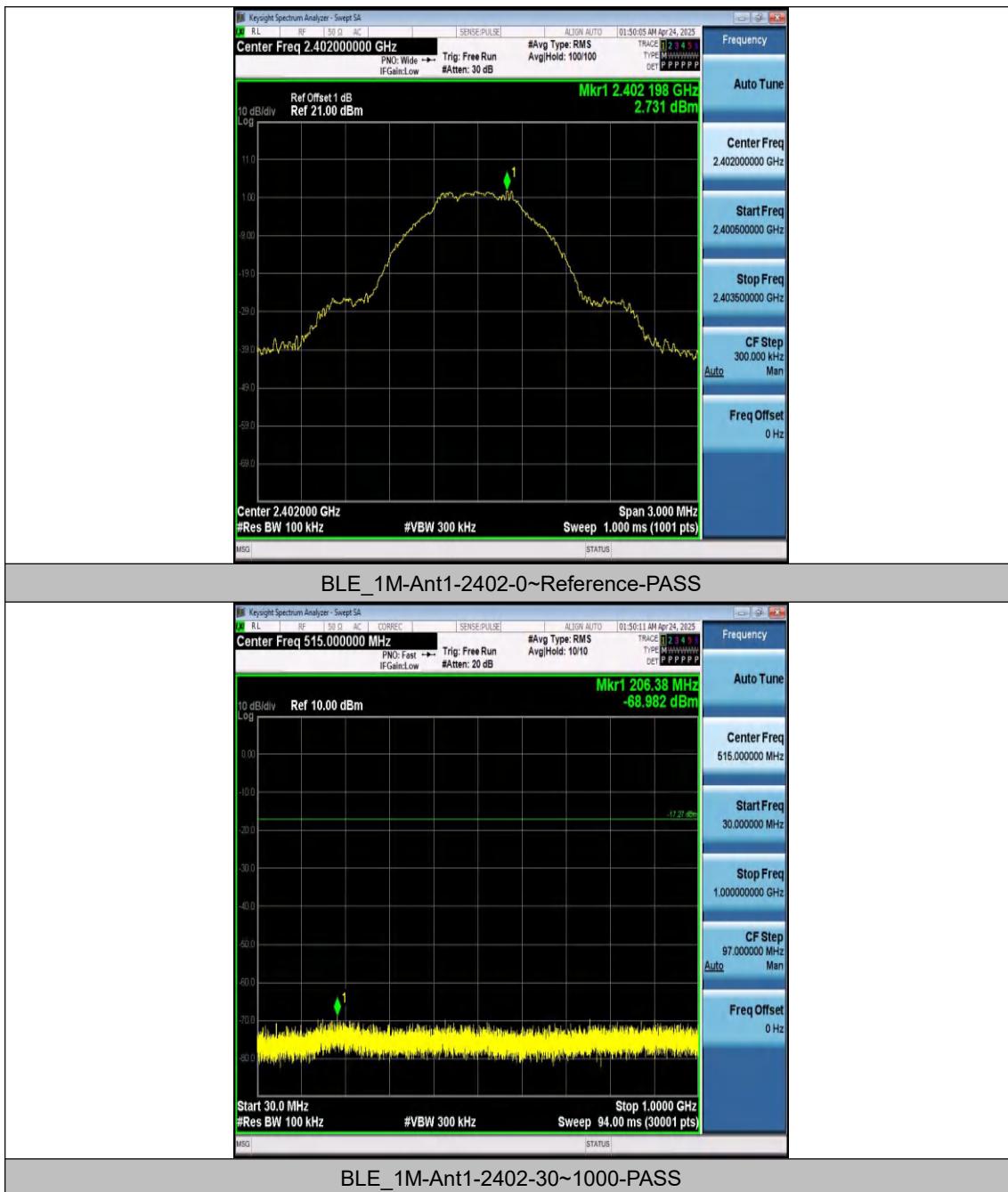
Appendix F: Conducted Spurious Emission

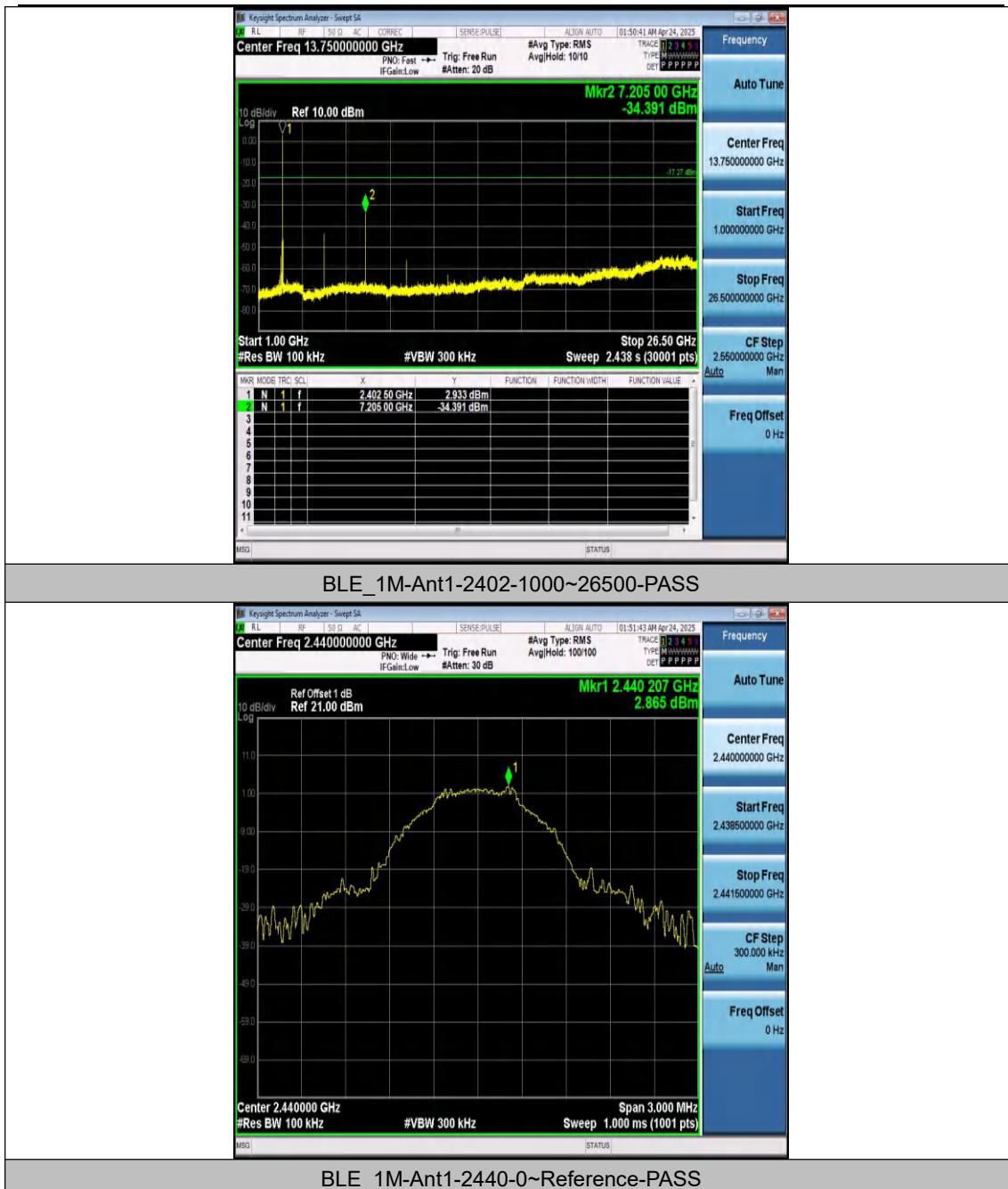
Test Result

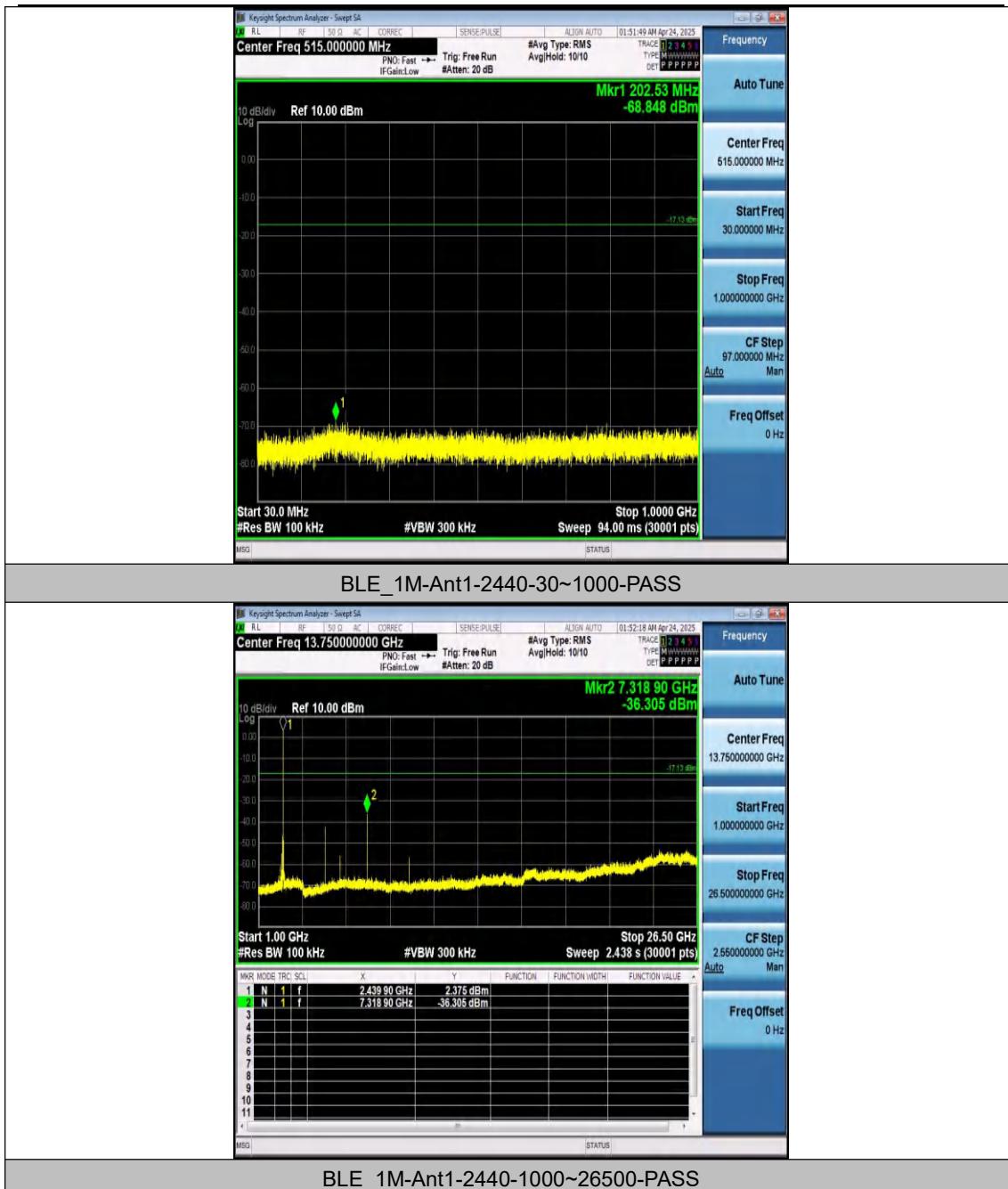
Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	2.73	2.73	---	PASS
BLE_1M	Ant1	2402	30~1000	2.73	-68.98	≤-17.27	PASS
BLE_1M	Ant1	2402	1000~26500	2.73	-34.39	≤-17.27	PASS
BLE_1M	Ant1	2440	0~Reference	2.87	2.87	---	PASS
BLE_1M	Ant1	2440	30~1000	2.87	-68.85	≤-17.13	PASS
BLE_1M	Ant1	2440	1000~26500	2.87	-36.31	≤-17.13	PASS
BLE_1M	Ant1	2480	0~Reference	2.48	2.48	---	PASS
BLE_1M	Ant1	2480	30~1000	2.48	-69.19	≤-17.52	PASS
BLE_1M	Ant1	2480	1000~26500	2.48	-34.65	≤-17.52	PASS

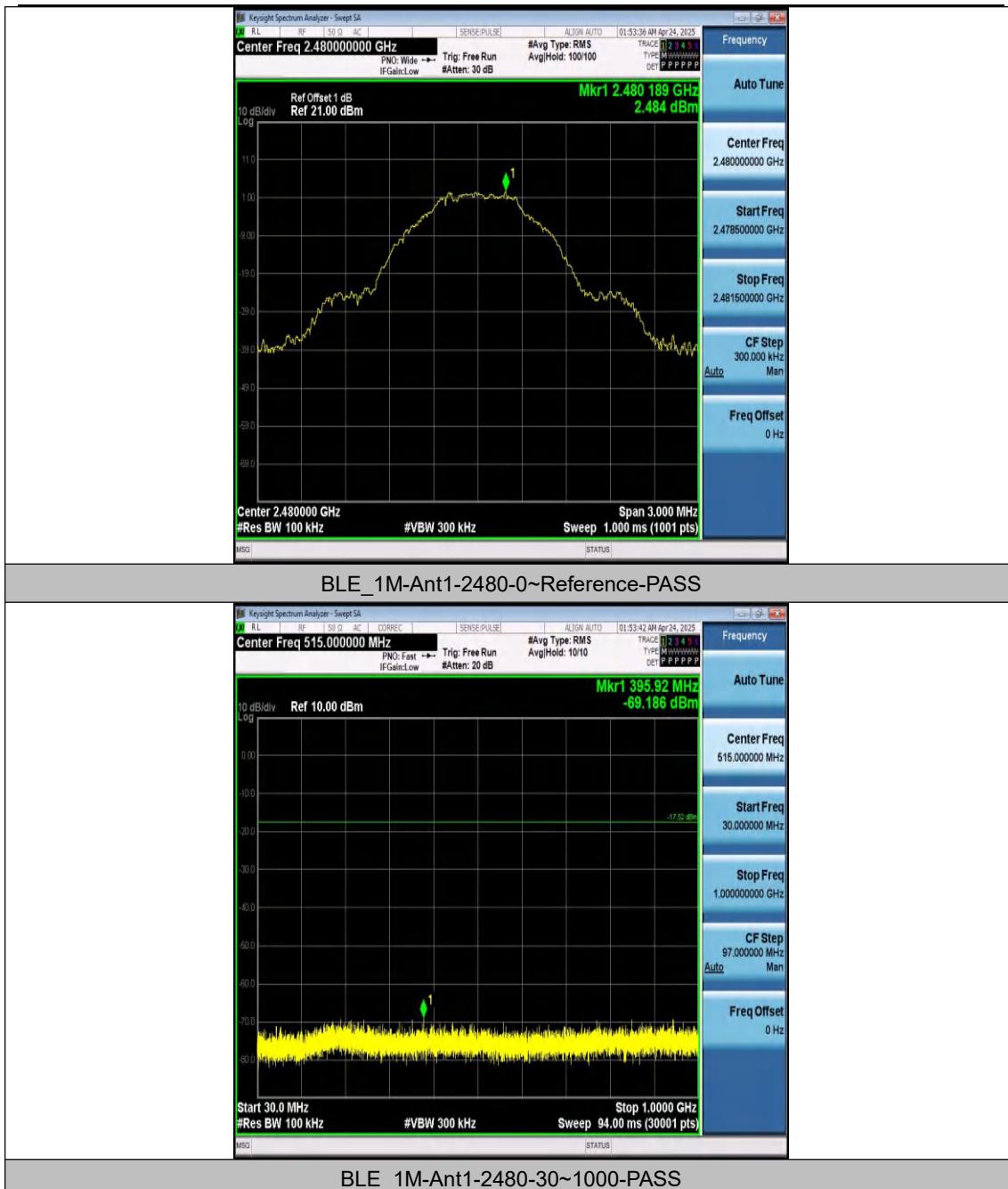
Remark:Regarding the spurious emissions from 30MHz to 26.5GHz, the cable loss and attenuator factors have been set in the 'Input Correction' of the Spectrum Analyzer during the test.

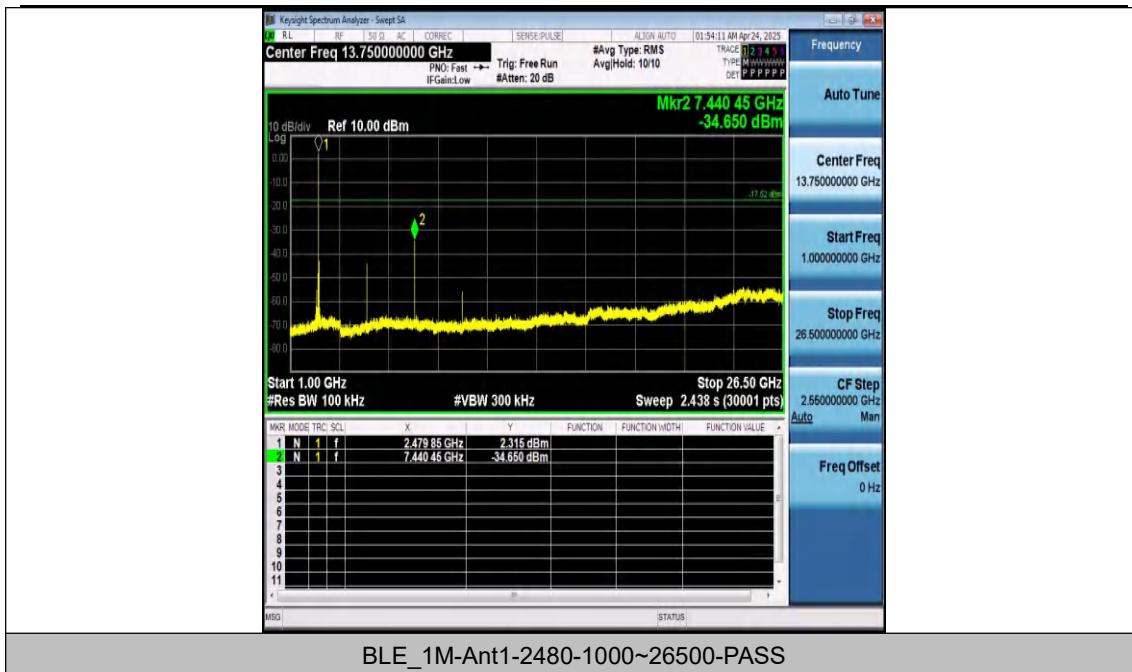
Test Graphs











BLE_1M-Ant1-2480-1000~26500-PASS

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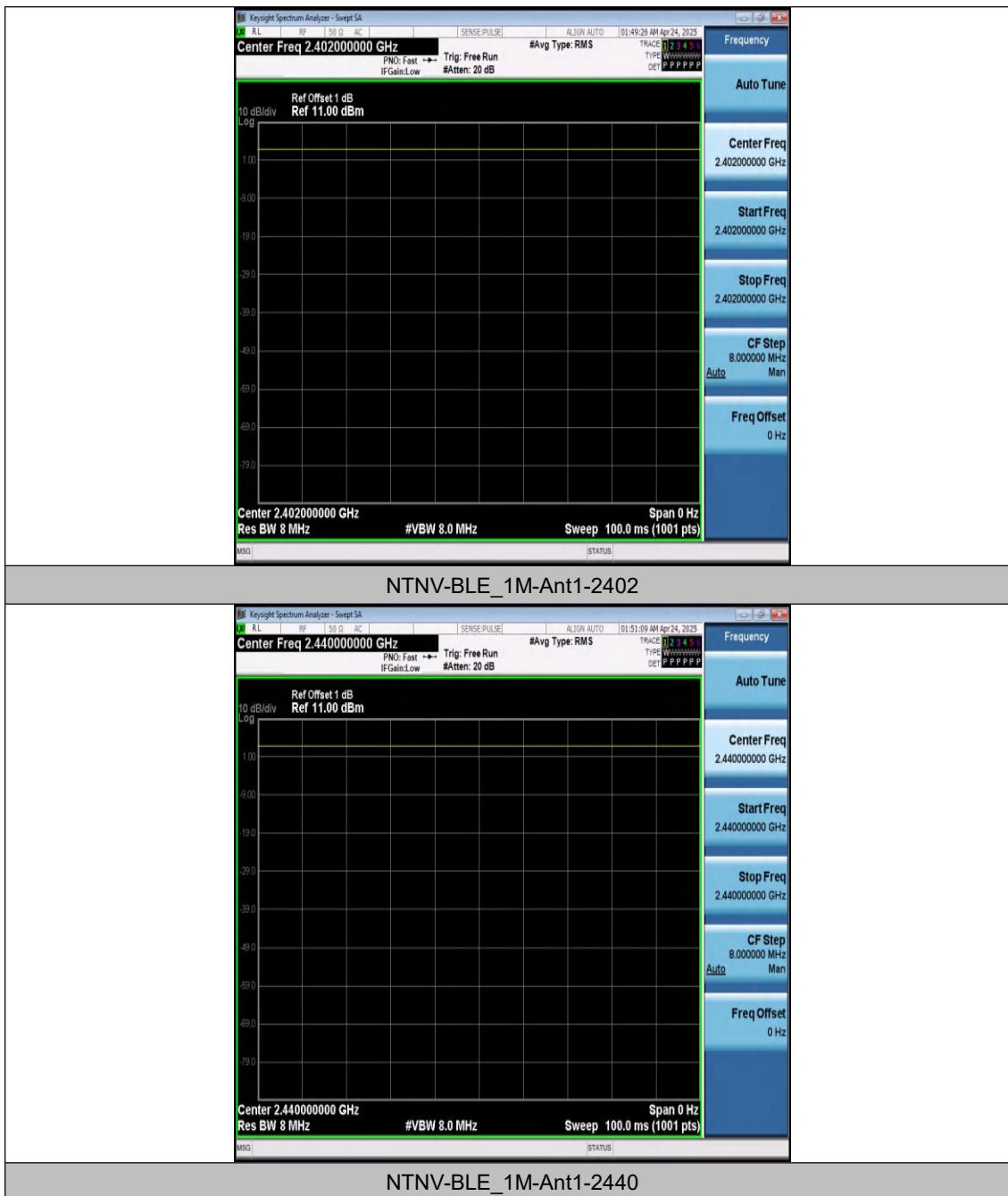
Appendix G: Duty Cycle

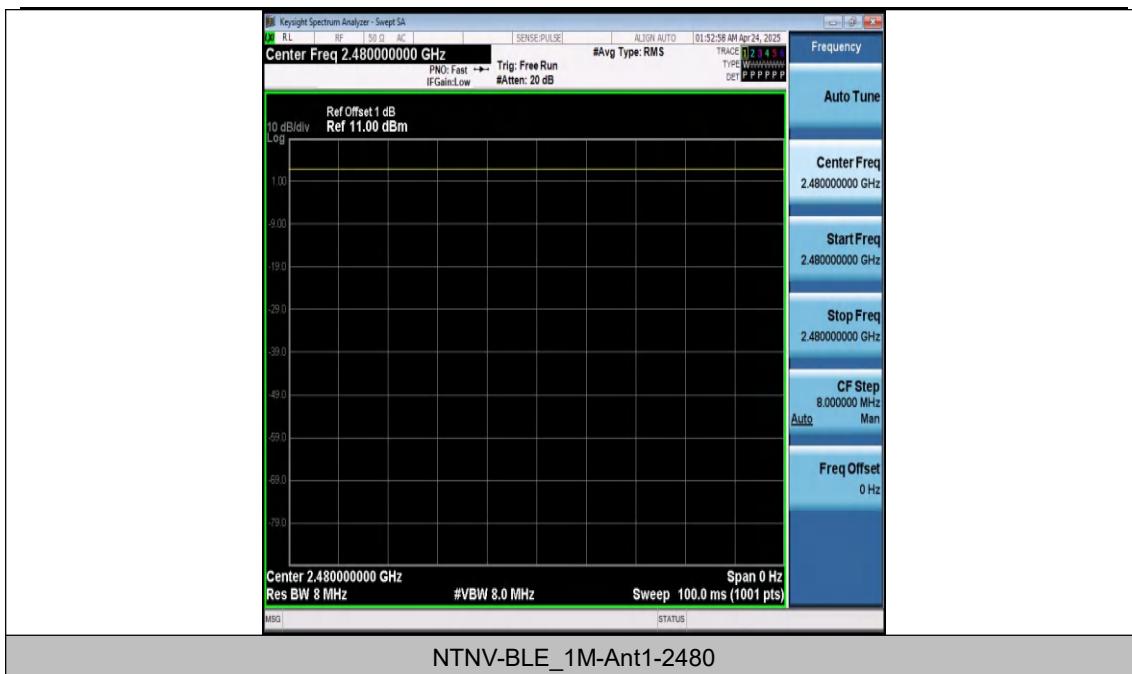
Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.00	0.00	100	NaN
BLE_1M	Ant1	2440	0.00	0.00	100	NaN
BLE_1M	Ant1	2480	0.00	0.00	100	NaN

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Test Graphs





---End---

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