

Appendix Test Data

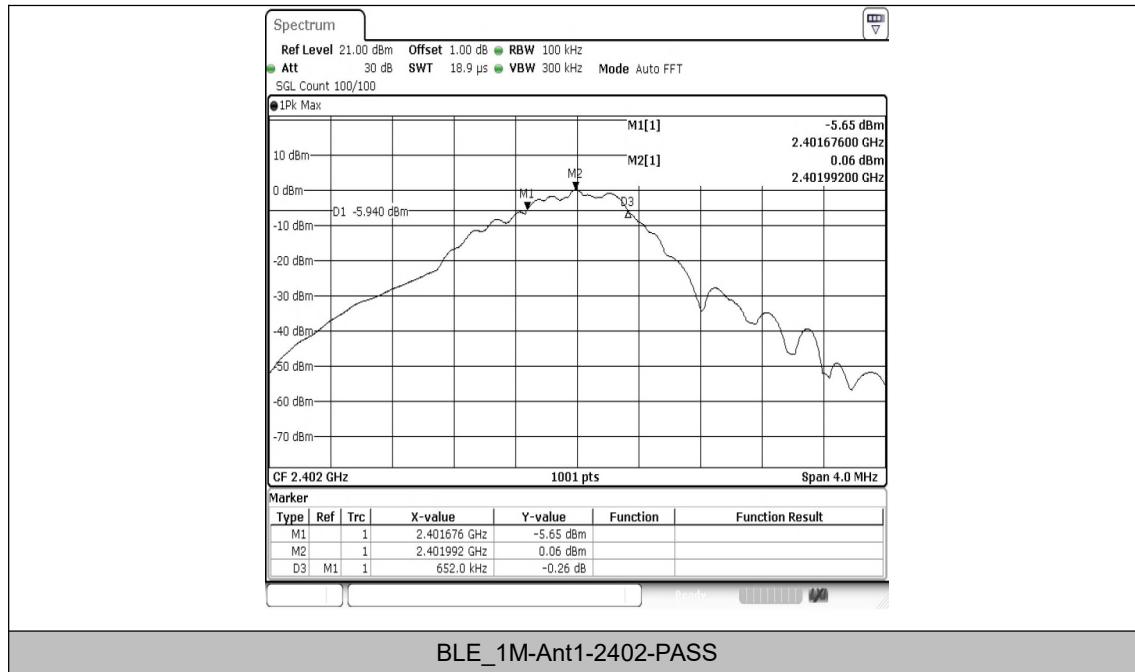
Report No.:	1812C50422412502	Test Sample No.:	1-2-2
Start Test Date:	2025-8-19	Finish Test Date:	2025-8-28
Test Engineer:	dylan. Ma	Auditor:	Justin Feng
Temperature:	23.5°C	Relative Humidity:	42%
Pressure:	101kPa		

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	0.65	2401.68	2402.33	0.5	PASS
BLE_1M	Ant1	2440	0.63	2439.70	2440.33	0.5	PASS
BLE_1M	Ant1	2480	0.69	2479.63	2480.32	0.5	PASS

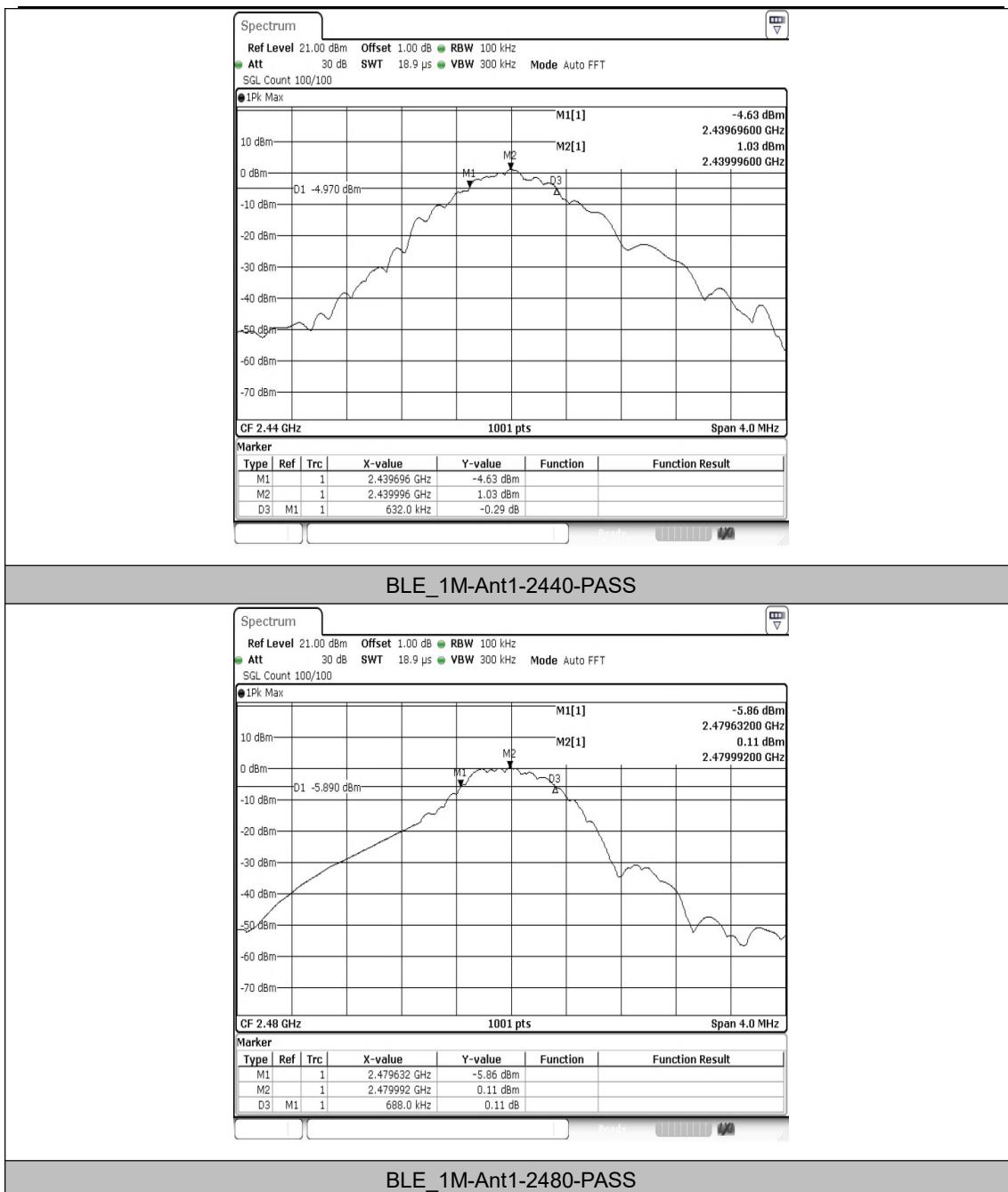
Test Graphs



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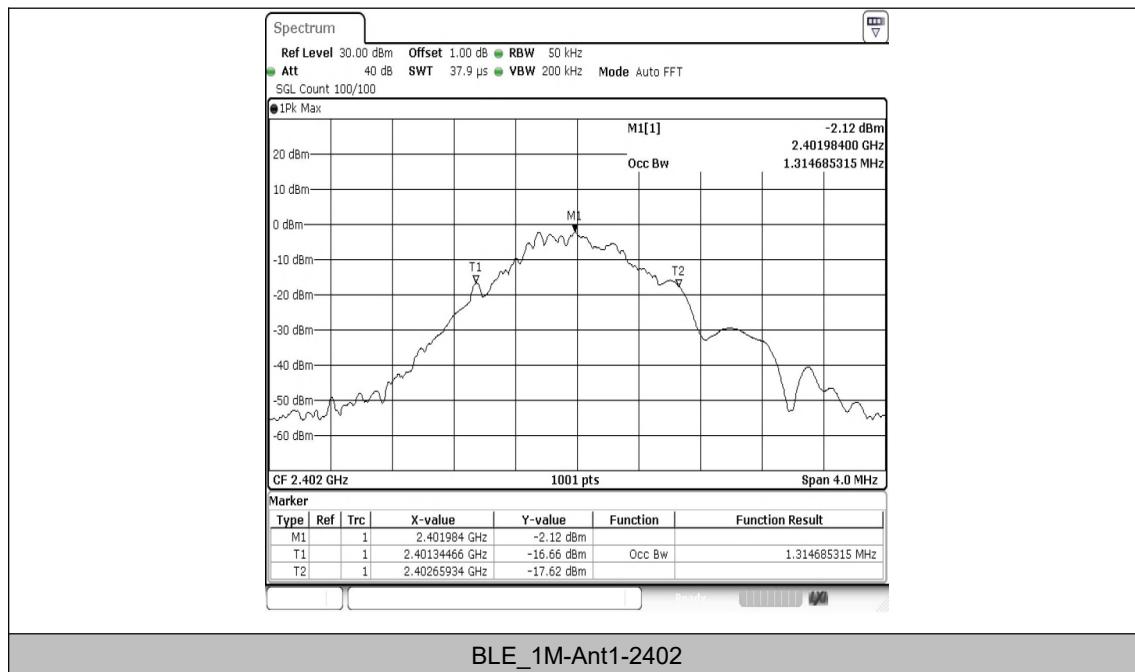
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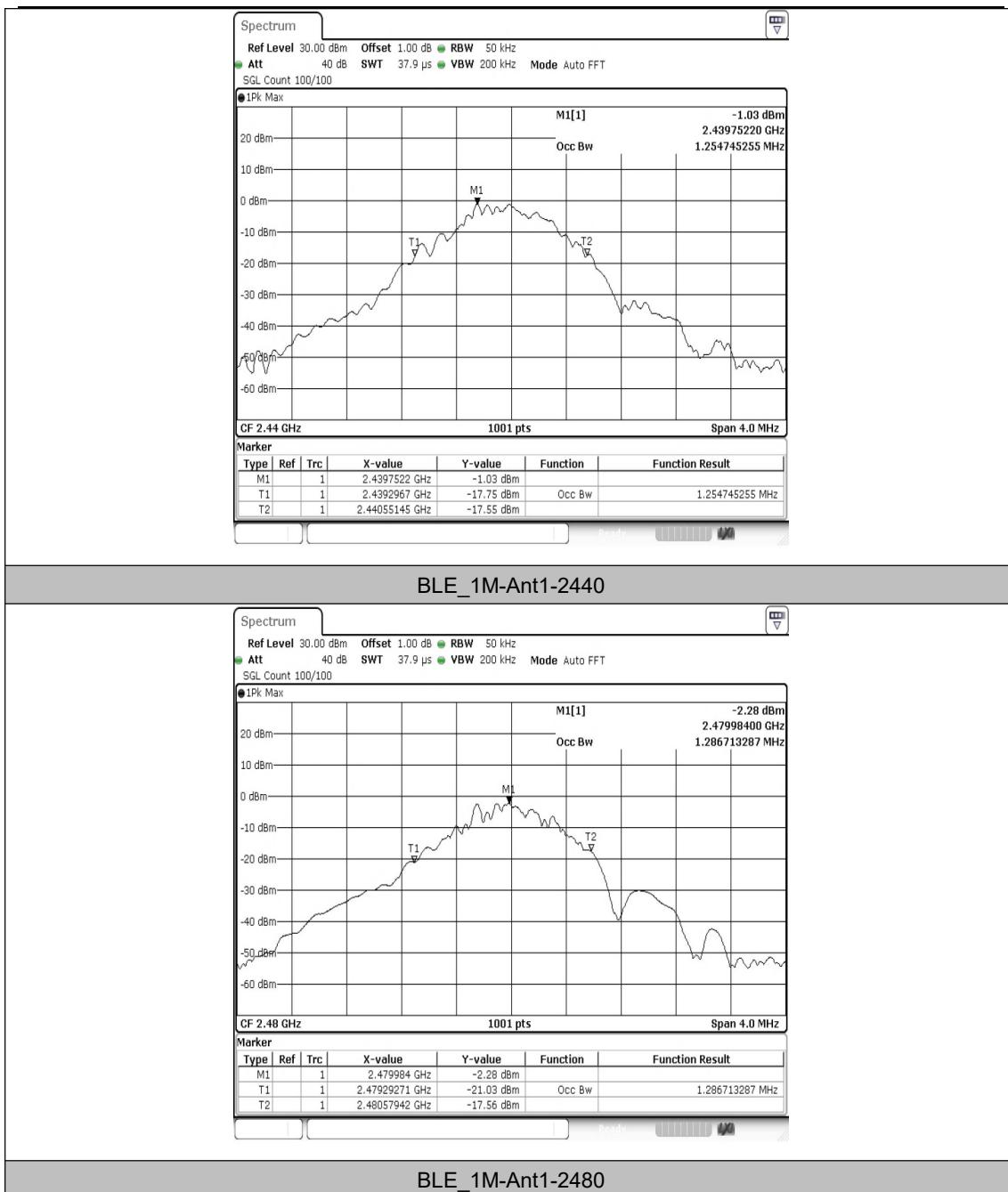
Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.3147	2401.3447	2402.6593	---	---
BLE_1M	Ant1	2440	1.2547	2439.2967	2440.5514	---	---
BLE_1M	Ant1	2480	1.2867	2479.2927	2480.5794	---	---

Test Graphs





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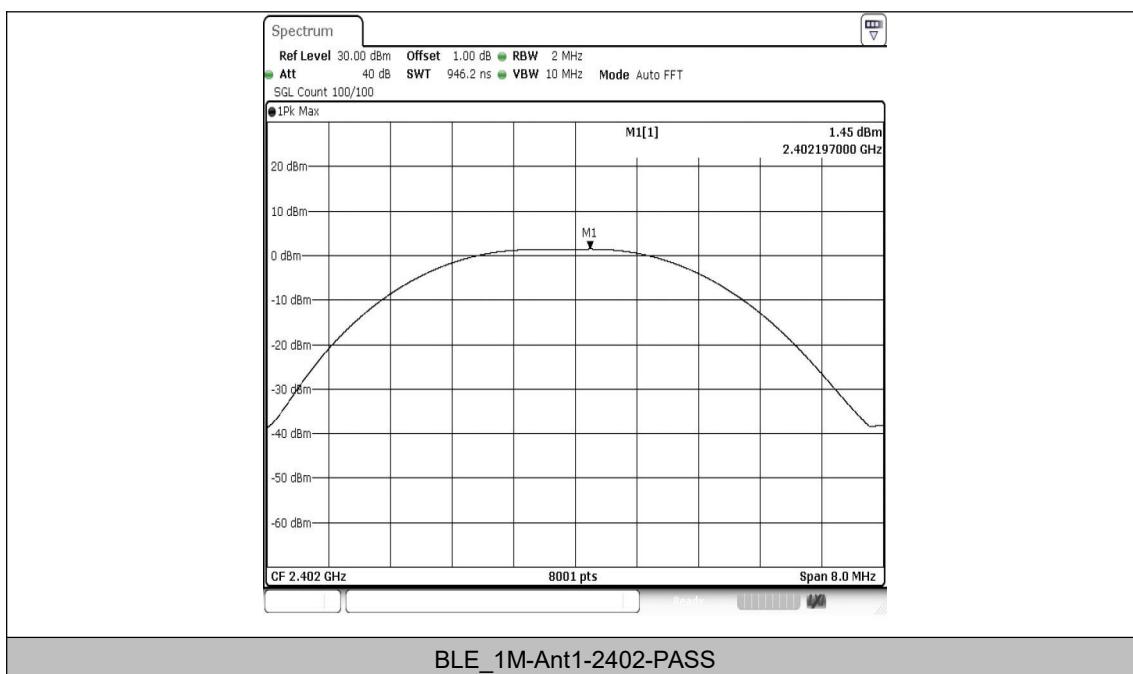
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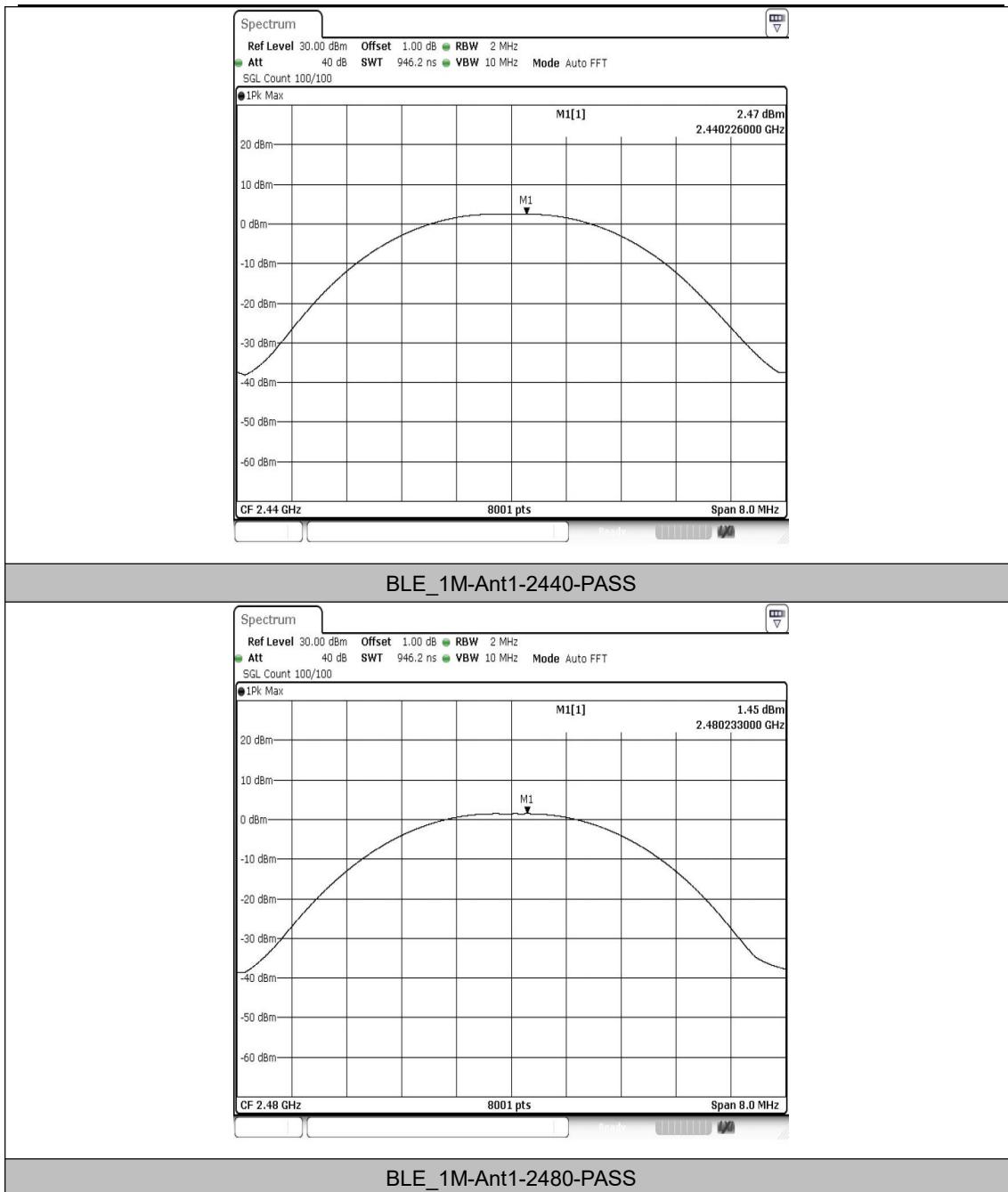
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.45	≤30	PASS
BLE_1M	Ant1	2440	2.47	≤30	PASS
BLE_1M	Ant1	2480	1.45	≤30	PASS

Test Graphs Peak





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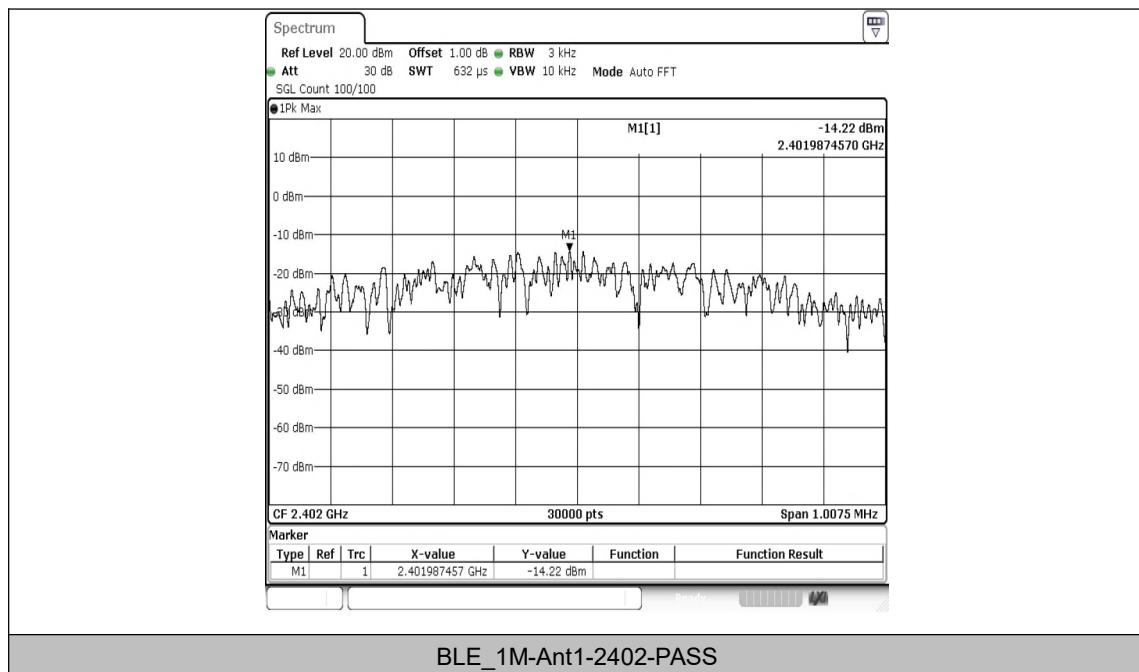
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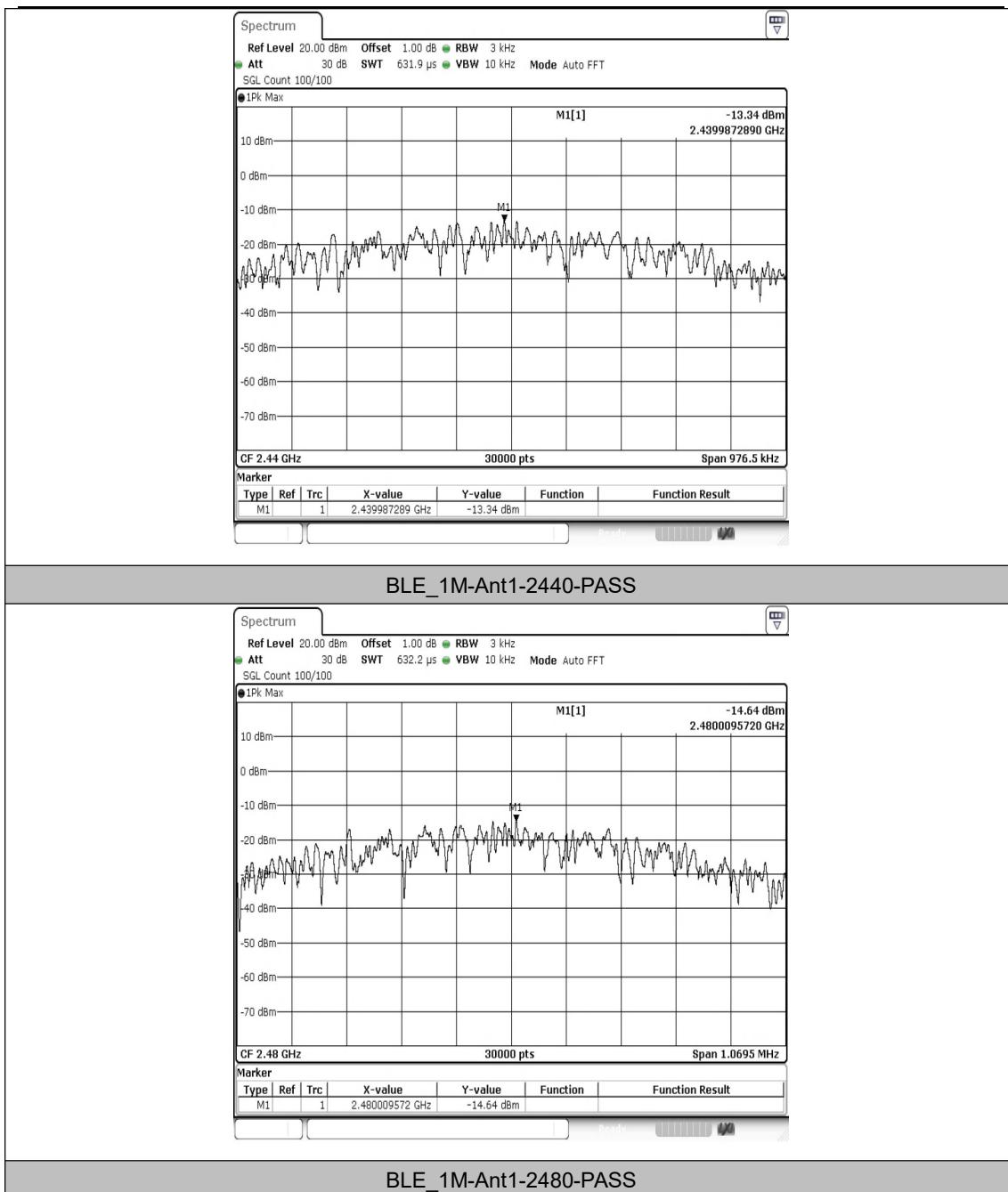
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.22	≤8.00	PASS
BLE_1M	Ant1	2440	-13.34	≤8.00	PASS
BLE_1M	Ant1	2480	-14.64	≤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	-0.06	-56.32	≤-20.06	PASS
BLE_1M	Ant1	High	2480	-0.30	-50.65	≤-20.3	PASS

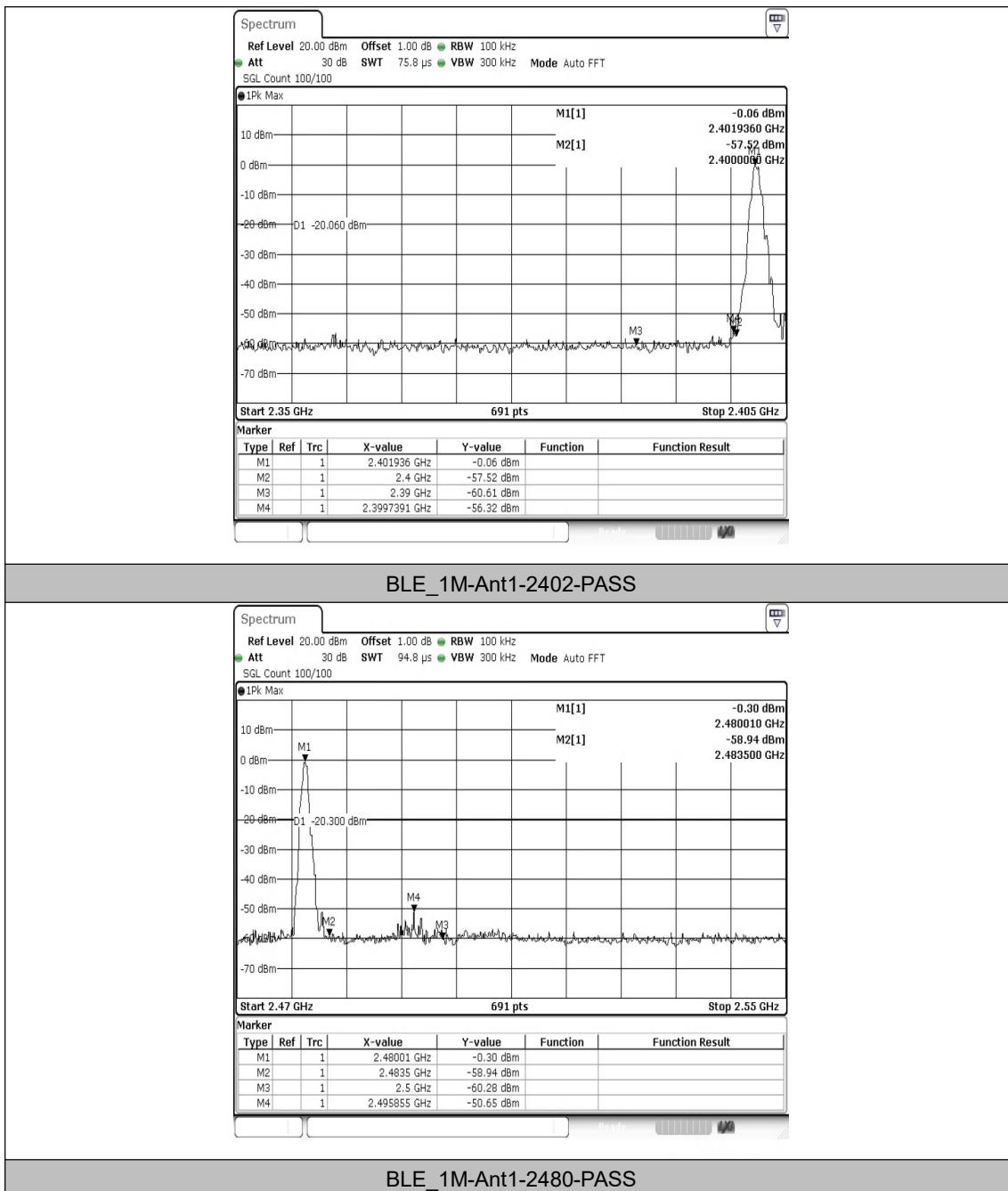
Remark:1. Regarding the spurious emissions from 30MHz to 26.5GHz, the cable loss have been set in the 'offset' of the Spectrum Analyzer during the test.

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Test Graphs



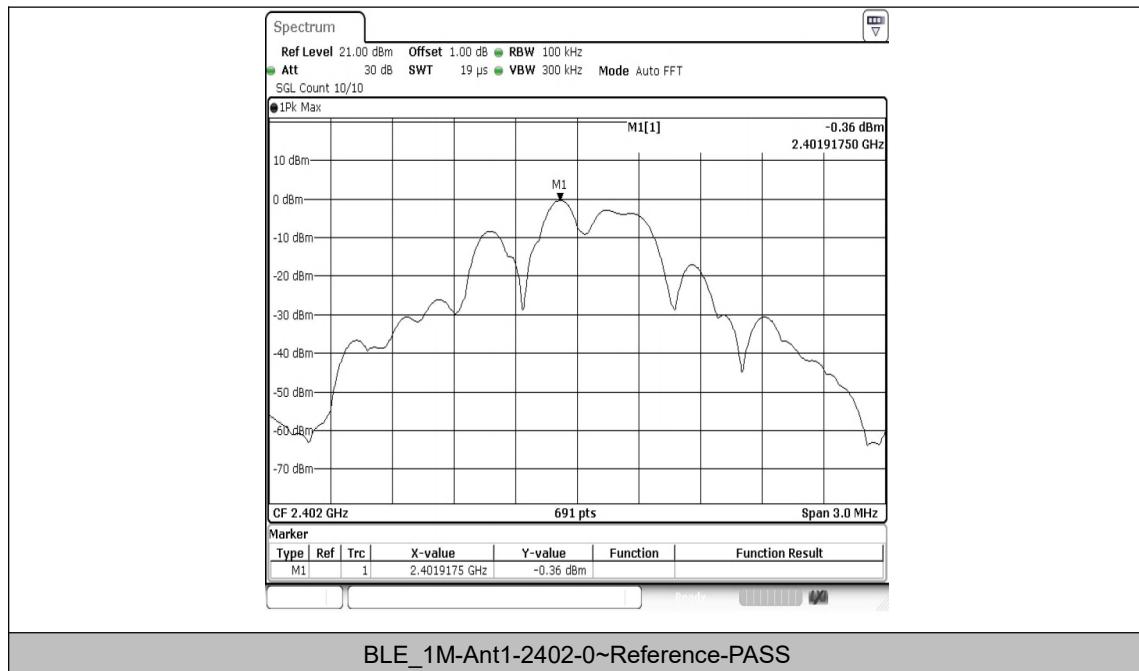
Appendix F: Conducted Spurious Emission

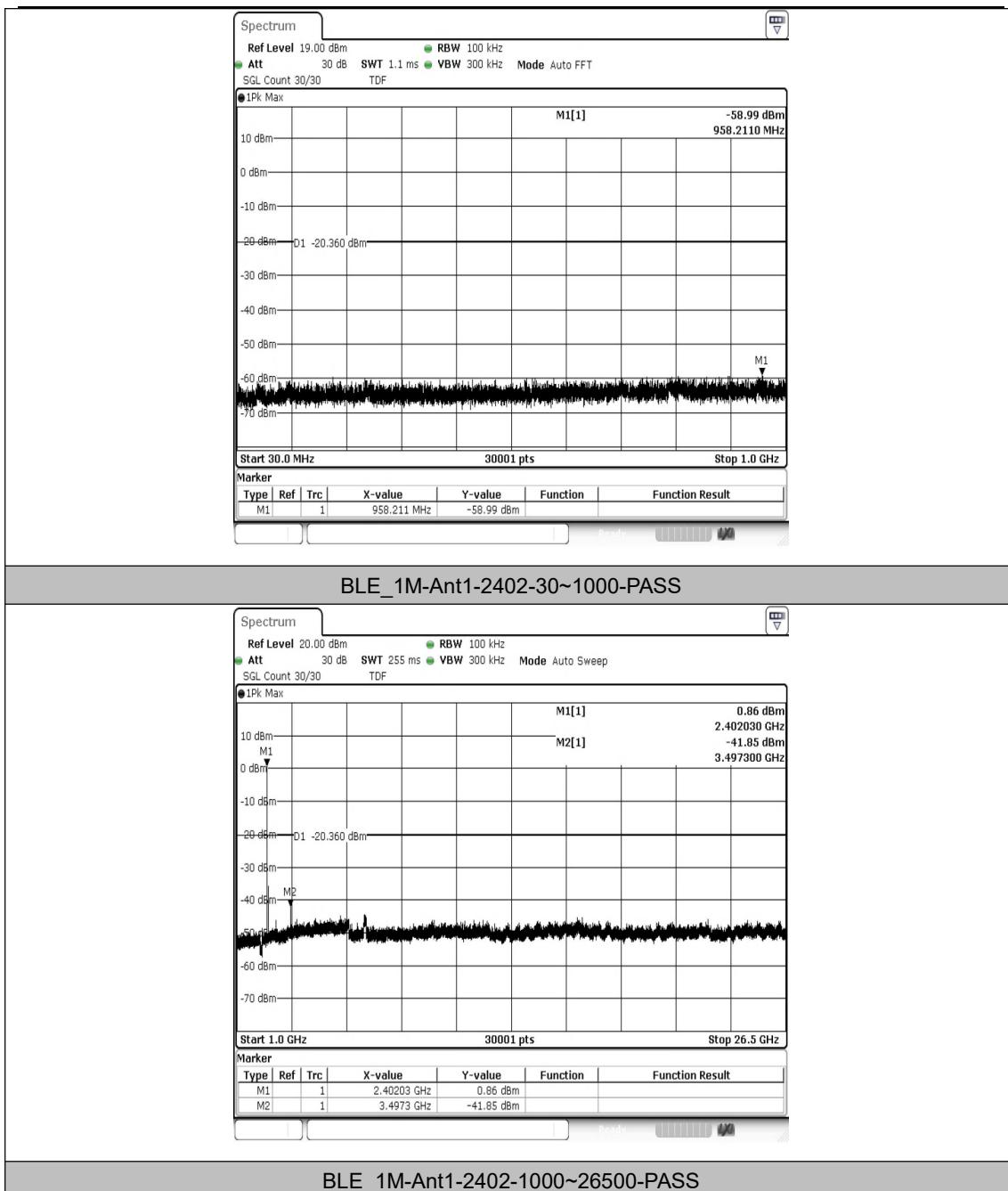
Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-0.36	-0.36	---	PASS
BLE_1M	Ant1	2402	30~1000	-0.36	-58.99	≤-20.36	PASS
BLE_1M	Ant1	2402	1000~26500	-0.36	-41.85	≤-20.36	PASS
BLE_1M	Ant1	2440	0~Reference	-1.58	-1.58	---	PASS
BLE_1M	Ant1	2440	30~1000	-1.58	-58.15	≤-21.58	PASS
BLE_1M	Ant1	2440	1000~26500	-1.58	-36.59	≤-21.58	PASS
BLE_1M	Ant1	2480	0~Reference	-0.09	-0.09	---	PASS
BLE_1M	Ant1	2480	30~1000	-0.09	-58.7	≤-20.09	PASS
BLE_1M	Ant1	2480	1000~26500	-0.09	-42.67	≤-20.09	PASS

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

Test Graphs

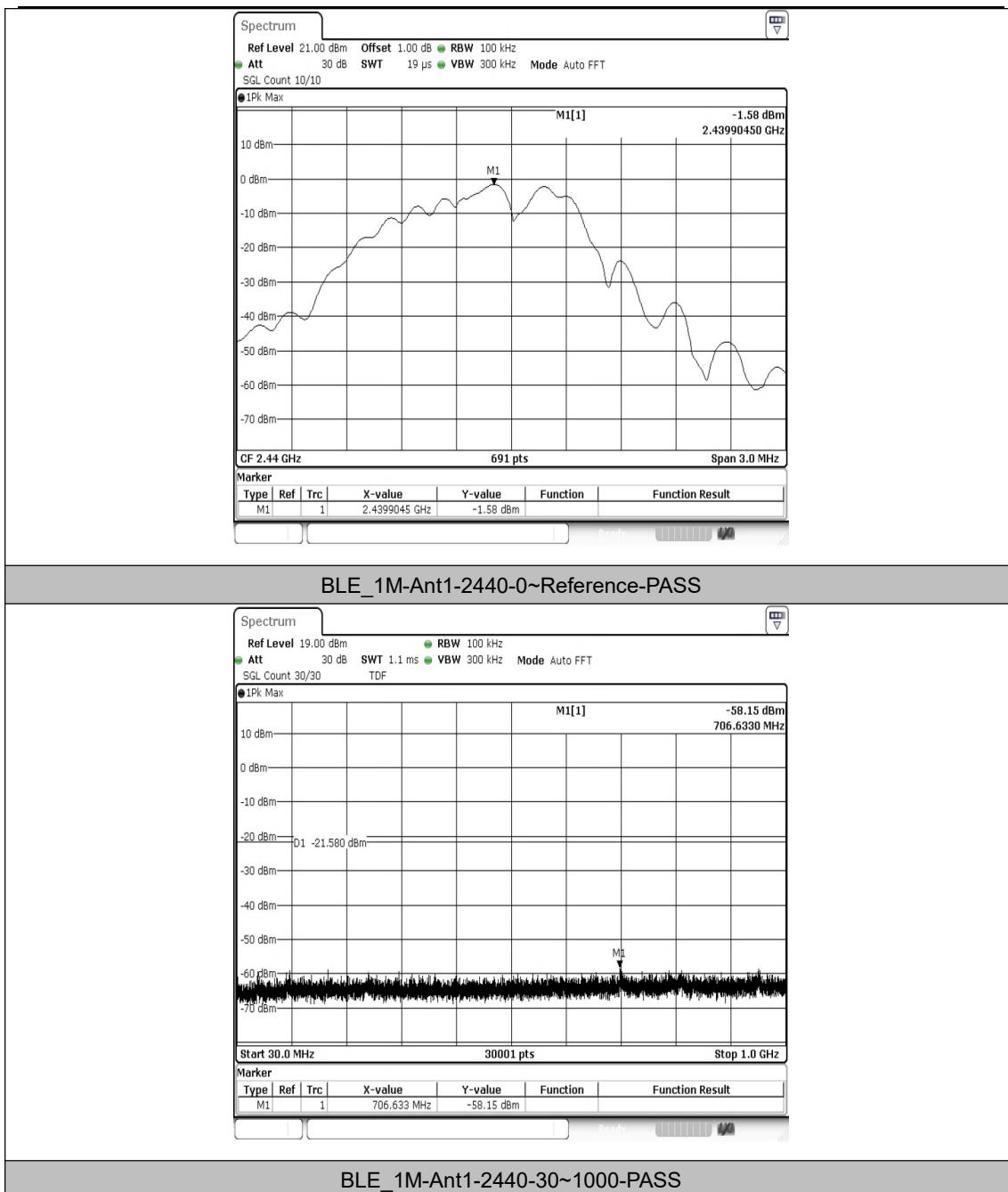




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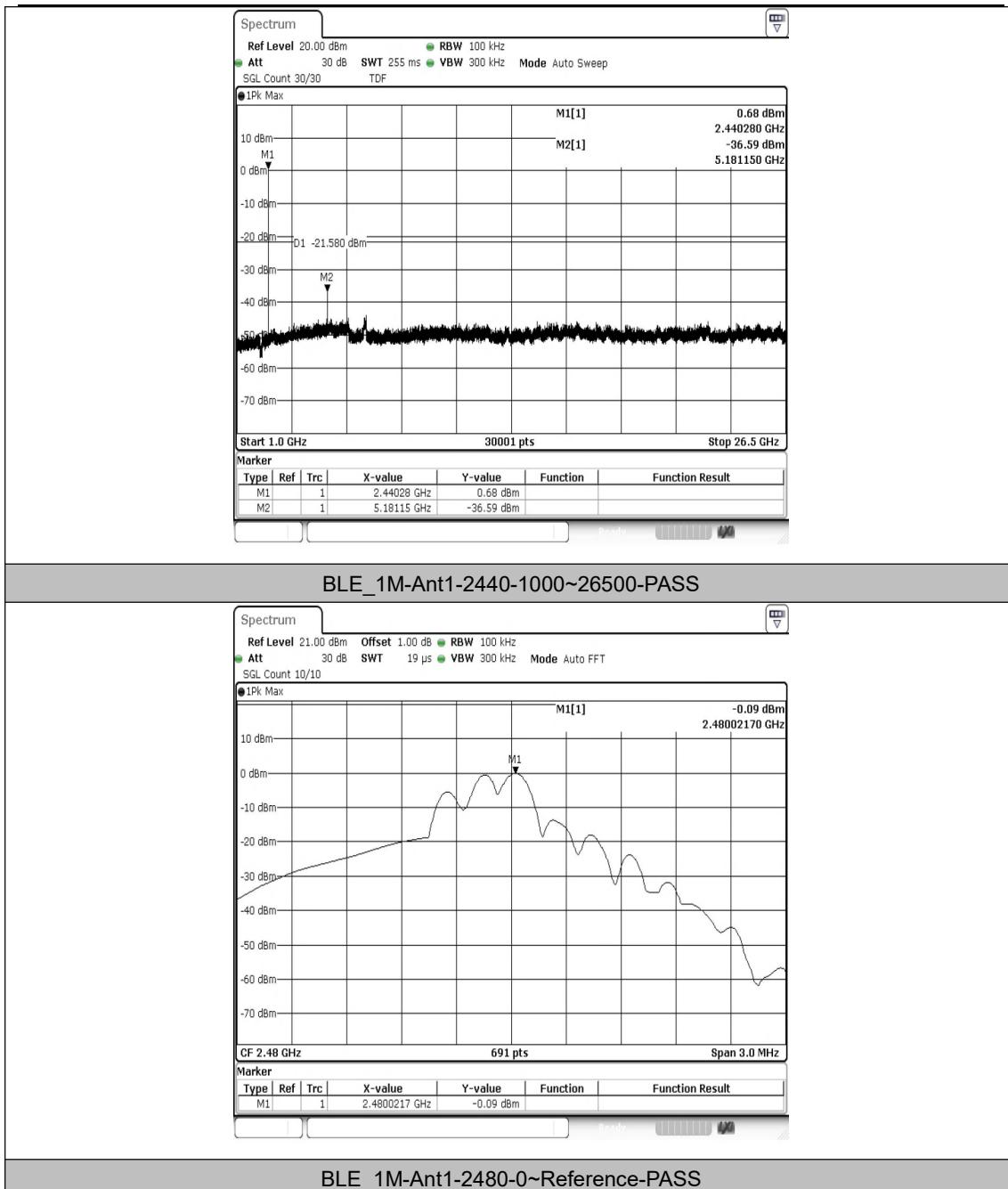
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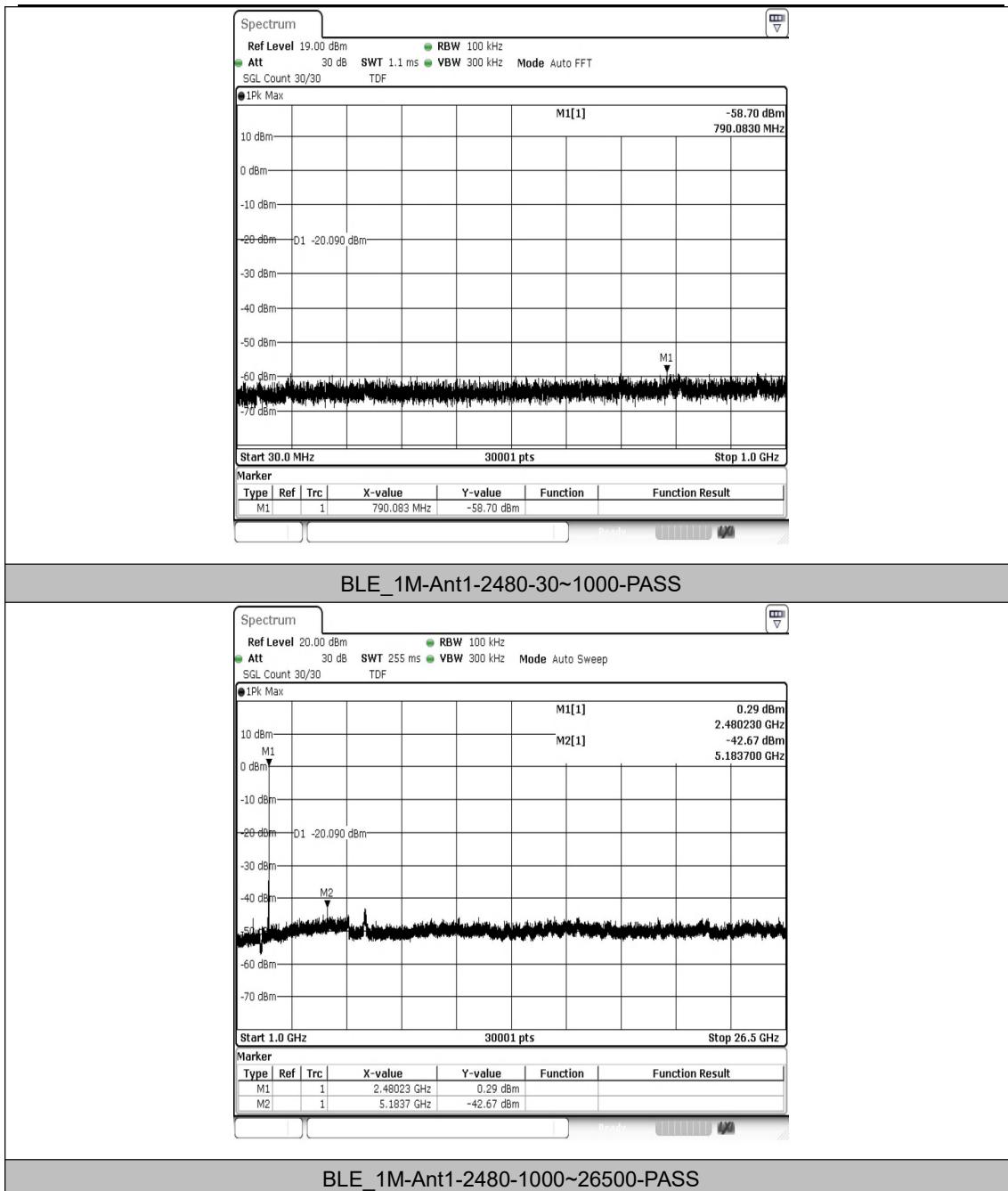
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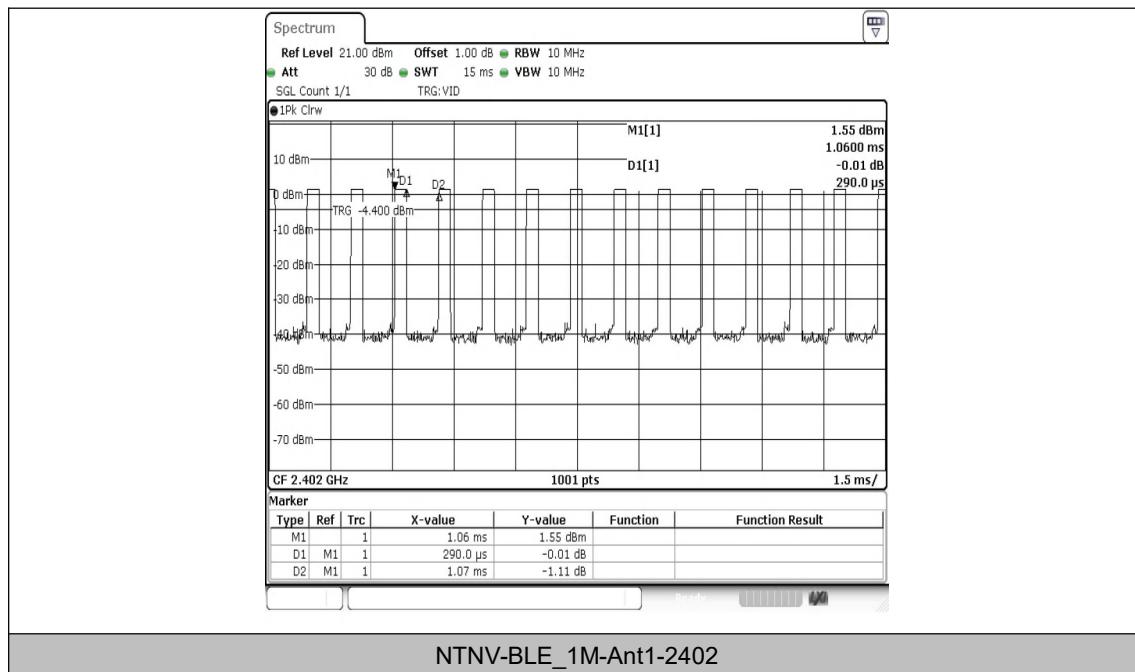
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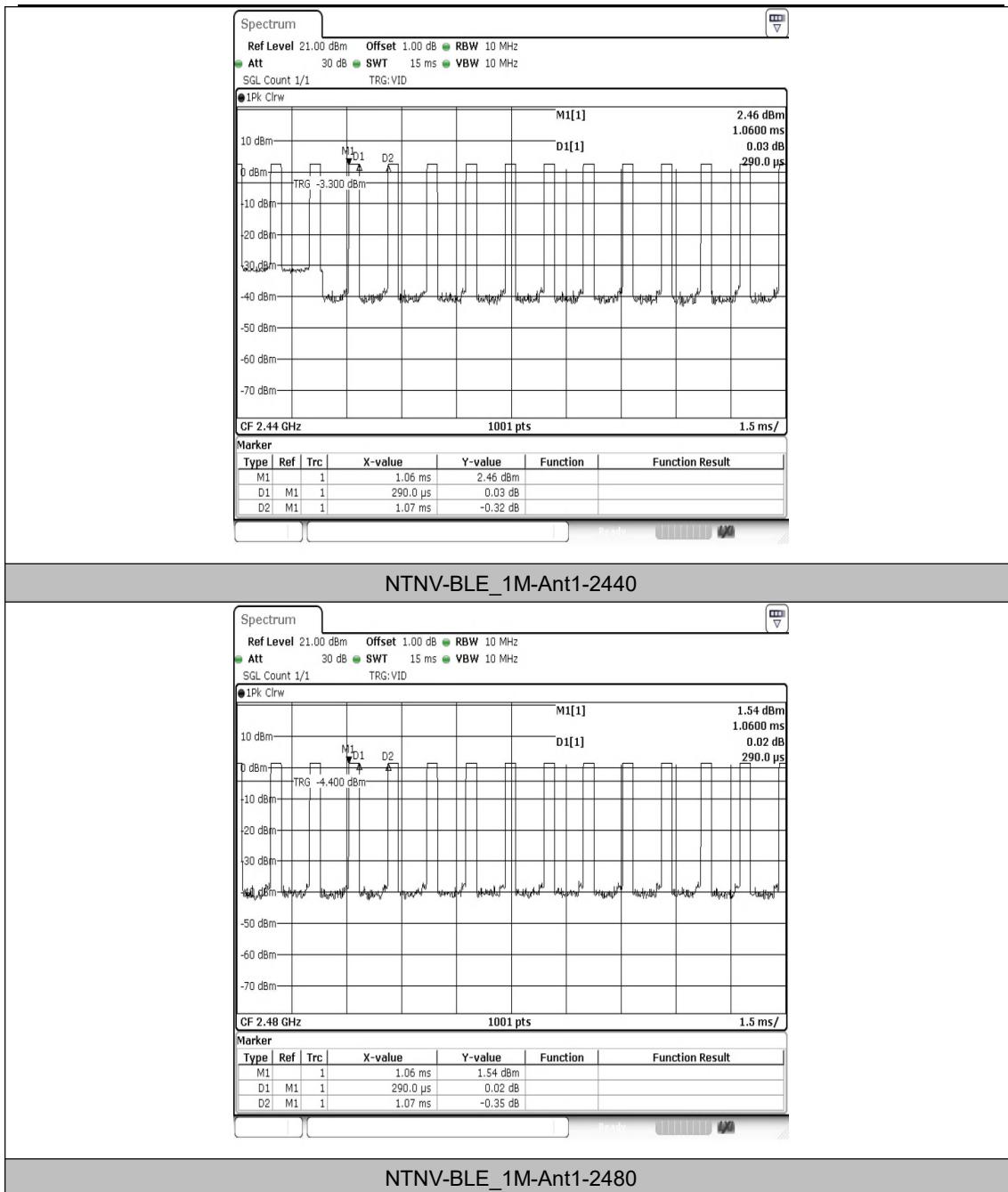
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.29	1.07	27.10	5.67
BLE_1M	Ant1	2440	0.29	1.07	27.10	5.67
BLE_1M	Ant1	2480	0.29	1.07	27.10	5.67

Test Graphs





---End---