

Appendix Test Data

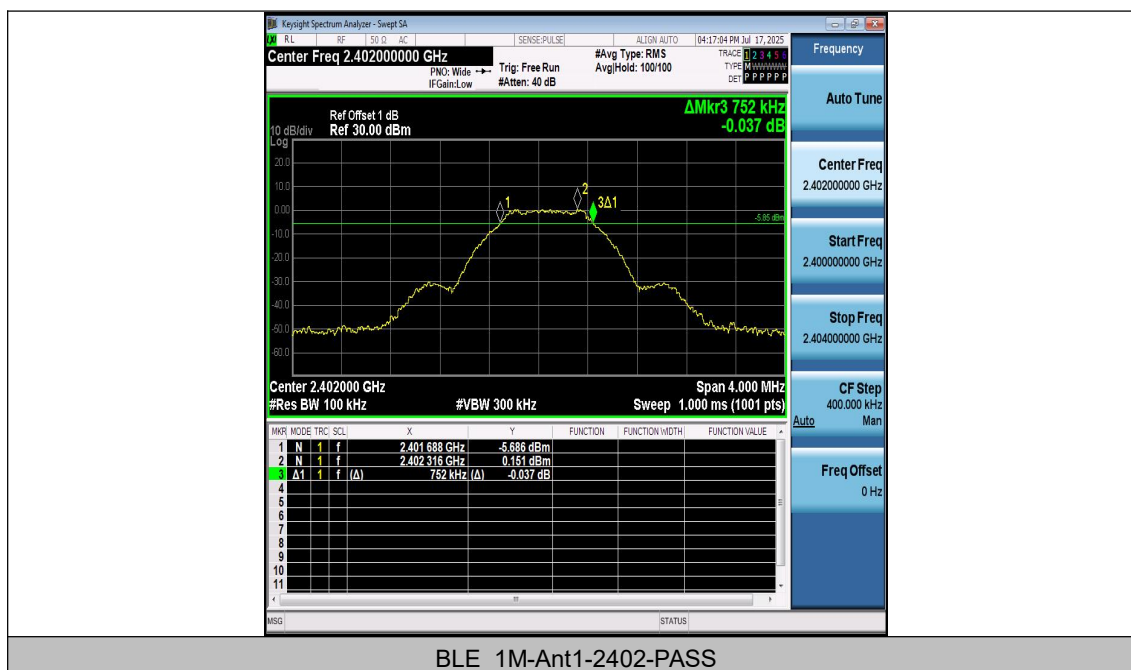
Report No.:	1812C50346712501	Test Sample No.:	1-2-2
Start Test Date:	2025-7-15	Finish Test Date:	2025-7-17
Test Engineer:	Hu Sen Guan	Auditor:	Justin Feng
Temperature:	26.9°C	Relative Humidity:	59%
Pressure:	101kPa		

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	0.752	2401.688	2402.440	0.5	PASS
BLE_1M	Ant1	2440	0.740	2439.628	2440.368	0.5	PASS
BLE_1M	Ant1	2480	0.772	2479.492	2480.264	0.5	PASS

Test Graphs





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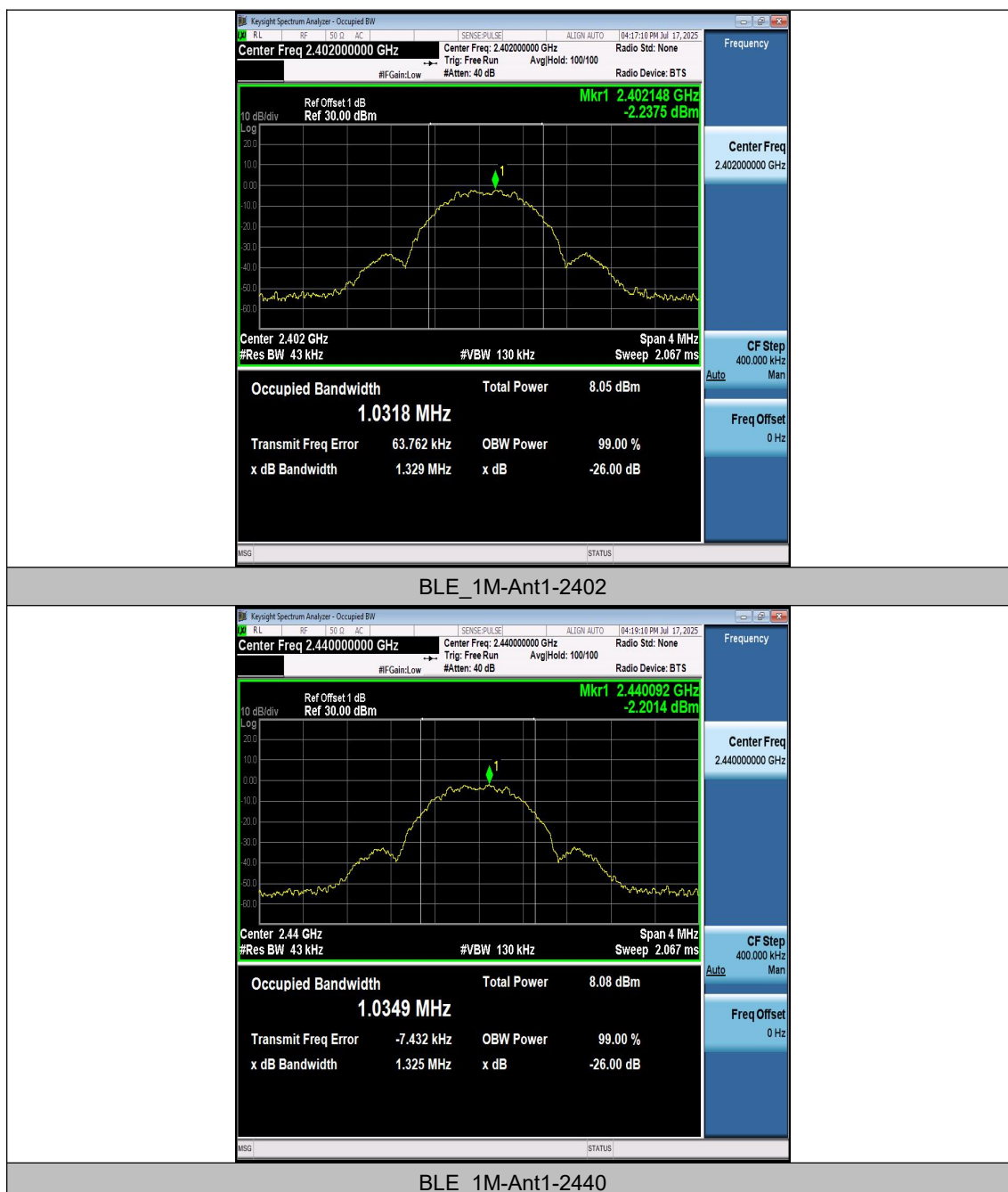
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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0318	2401.5479	2402.5797	---	---
BLE_1M	Ant1	2440	1.0349	2439.4751	2440.5100	---	---
BLE_1M	Ant1	2480	1.0278	2479.3725	2480.4003	---	---

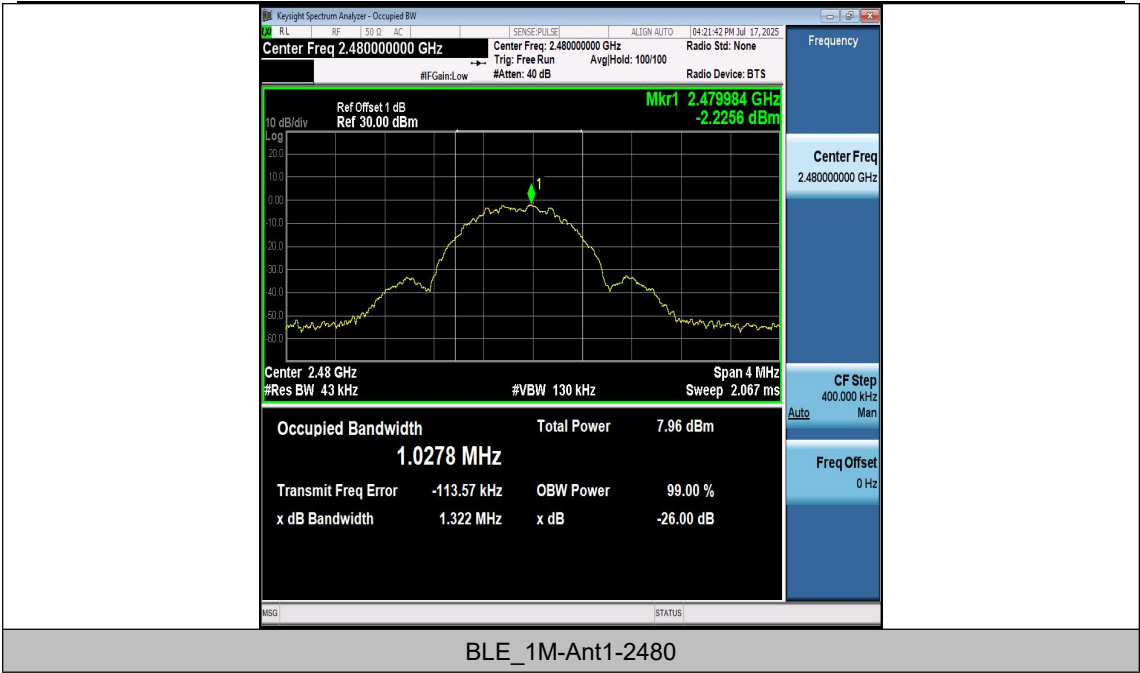
Test Graphs



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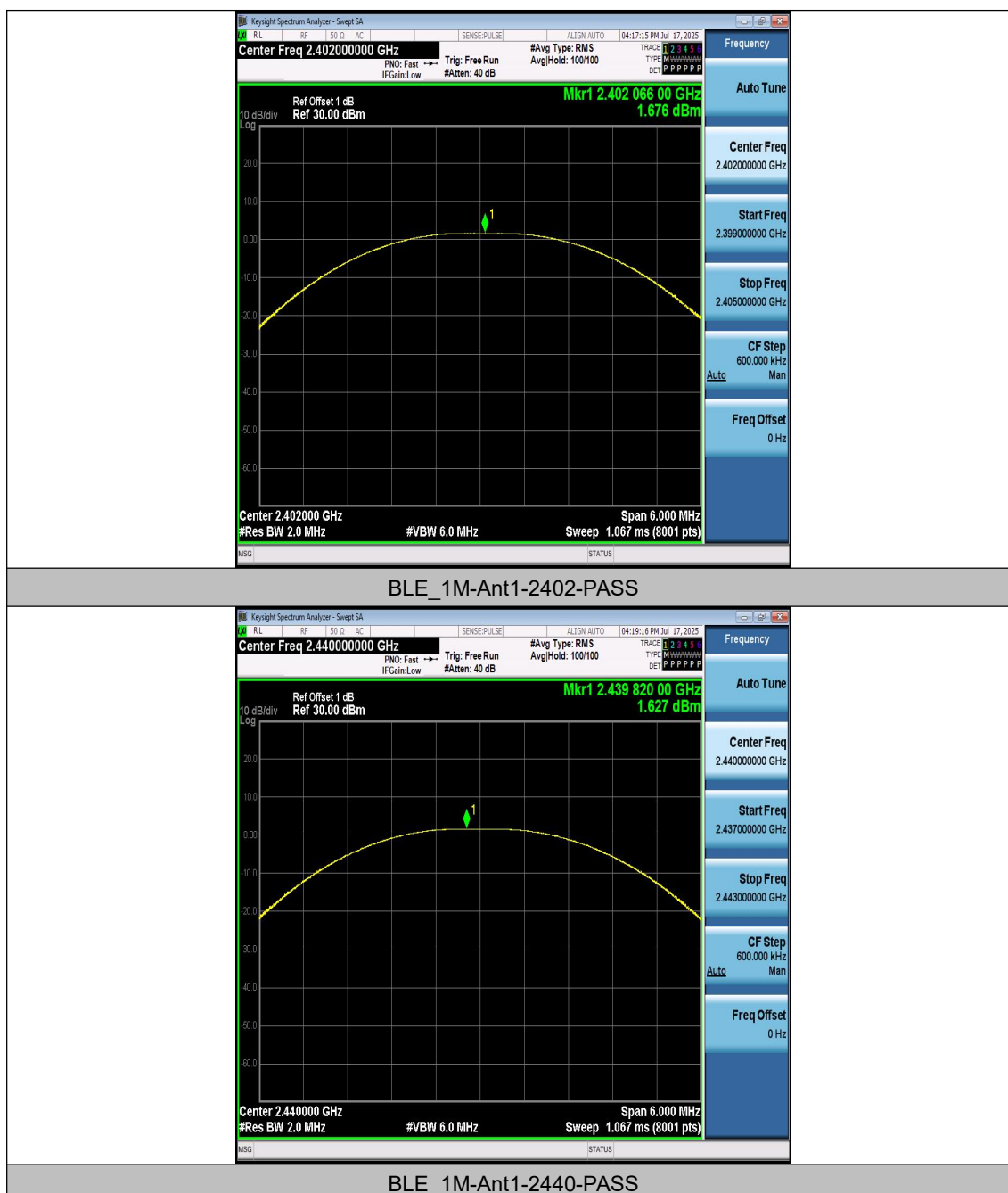
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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.68	≤30	PASS
BLE_1M	Ant1	2440	1.63	≤30	PASS
BLE_1M	Ant1	2480	1.52	≤30	PASS

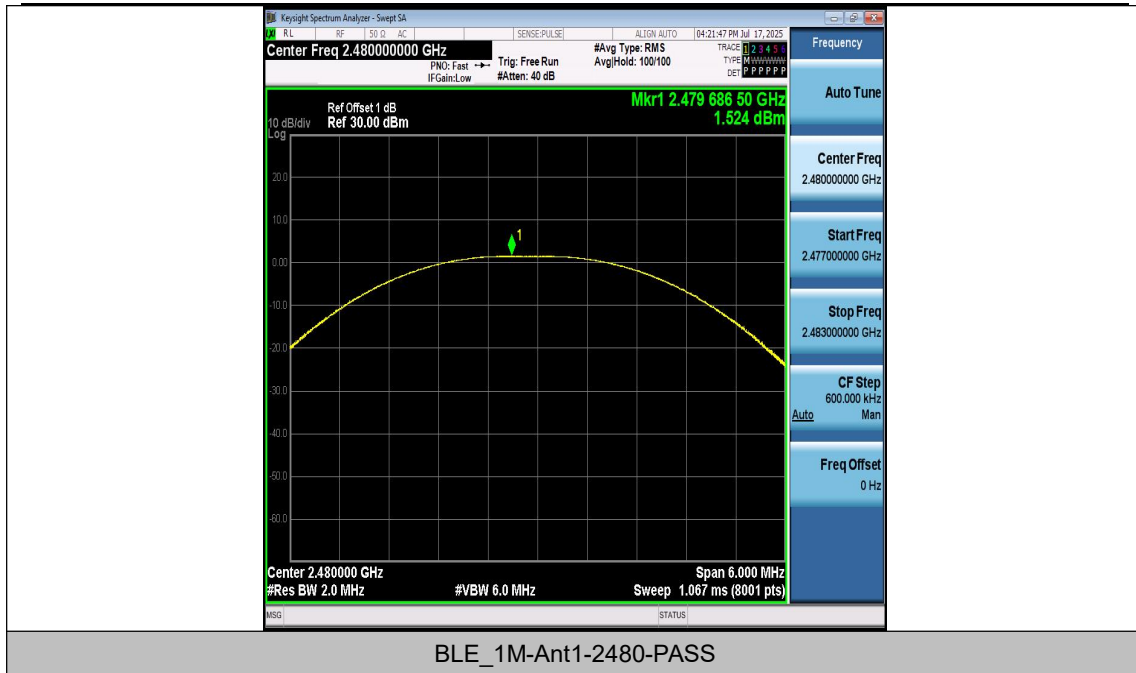
Test Graphs Peak



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Appendix D: Maximum power spectral density

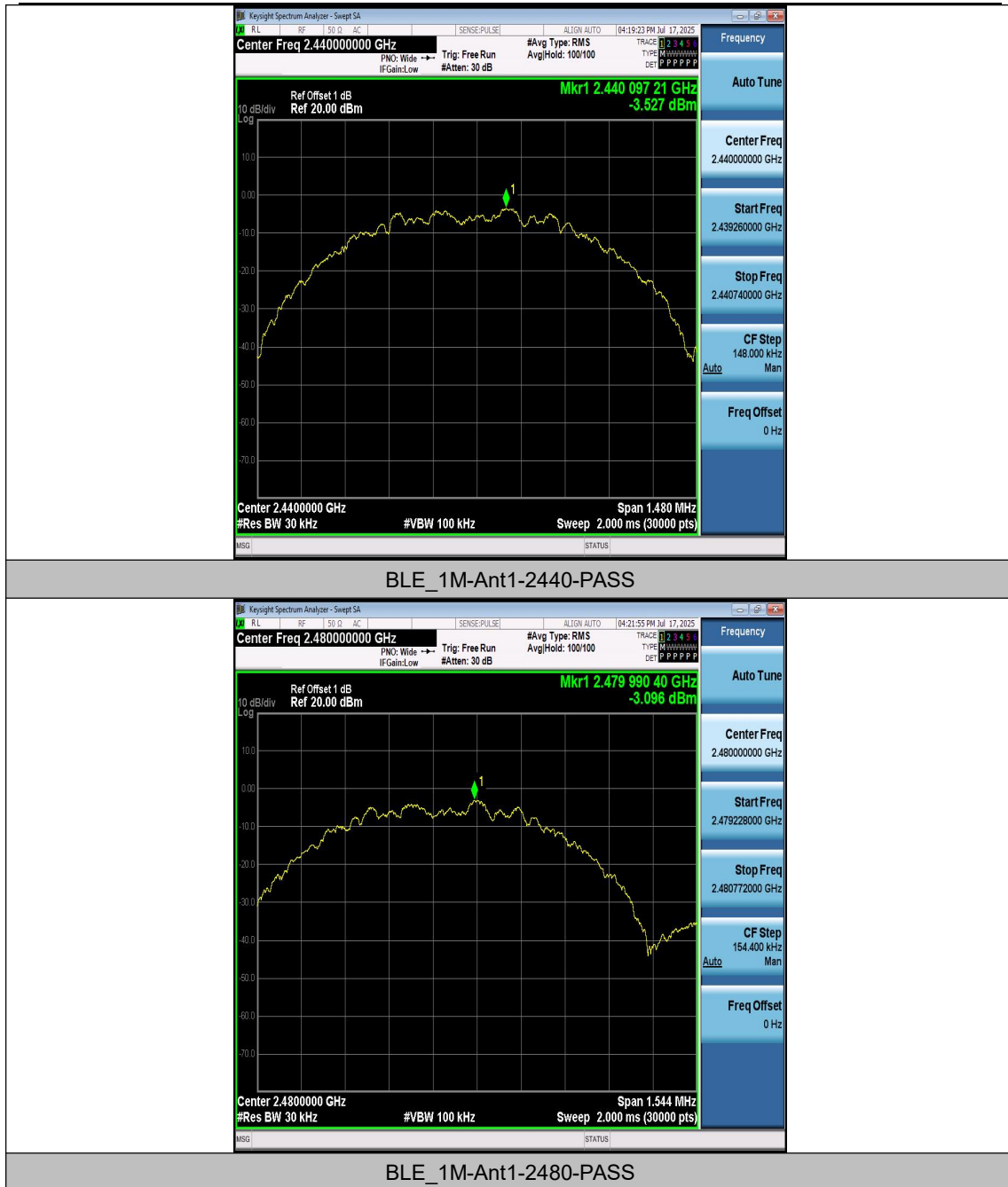
Test Result

TestMode	Antenna	Frequency [MHz]	Result [dBm/30kHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-3.40	-13.40	≤8.00	PASS
BLE_1M	Ant1	2440	-3.53	-13.53	≤8.00	PASS
BLE_1M	Ant1	2480	-3.10	-13.10	≤8.00	PASS

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

Test Graphs





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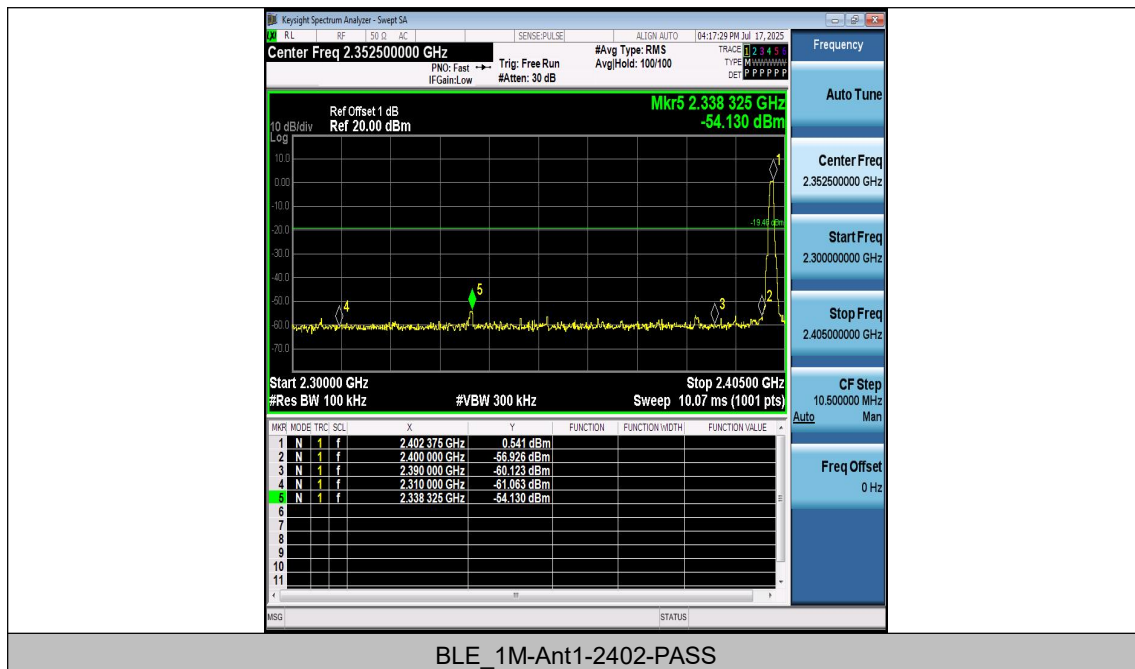
Appendix E: Band edge measurements

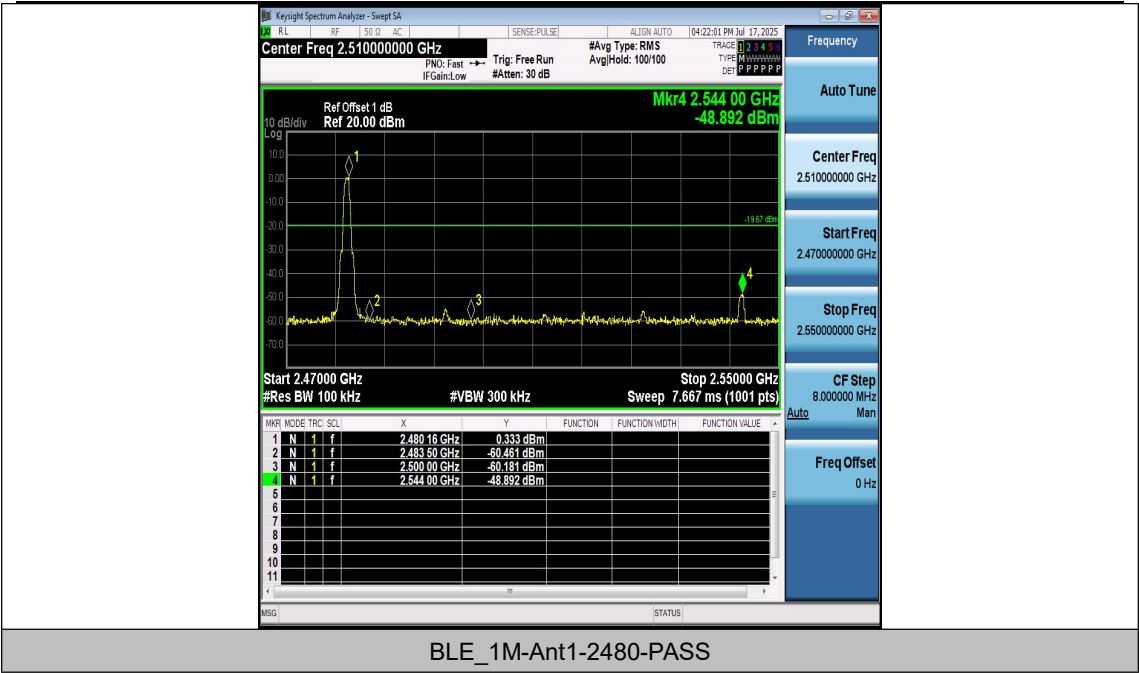
Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.54	-54.13	≤-19.46	PASS
BLE_1M	Ant1	High	2480	0.33	-48.89	≤-19.67	PASS

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

Test Graphs





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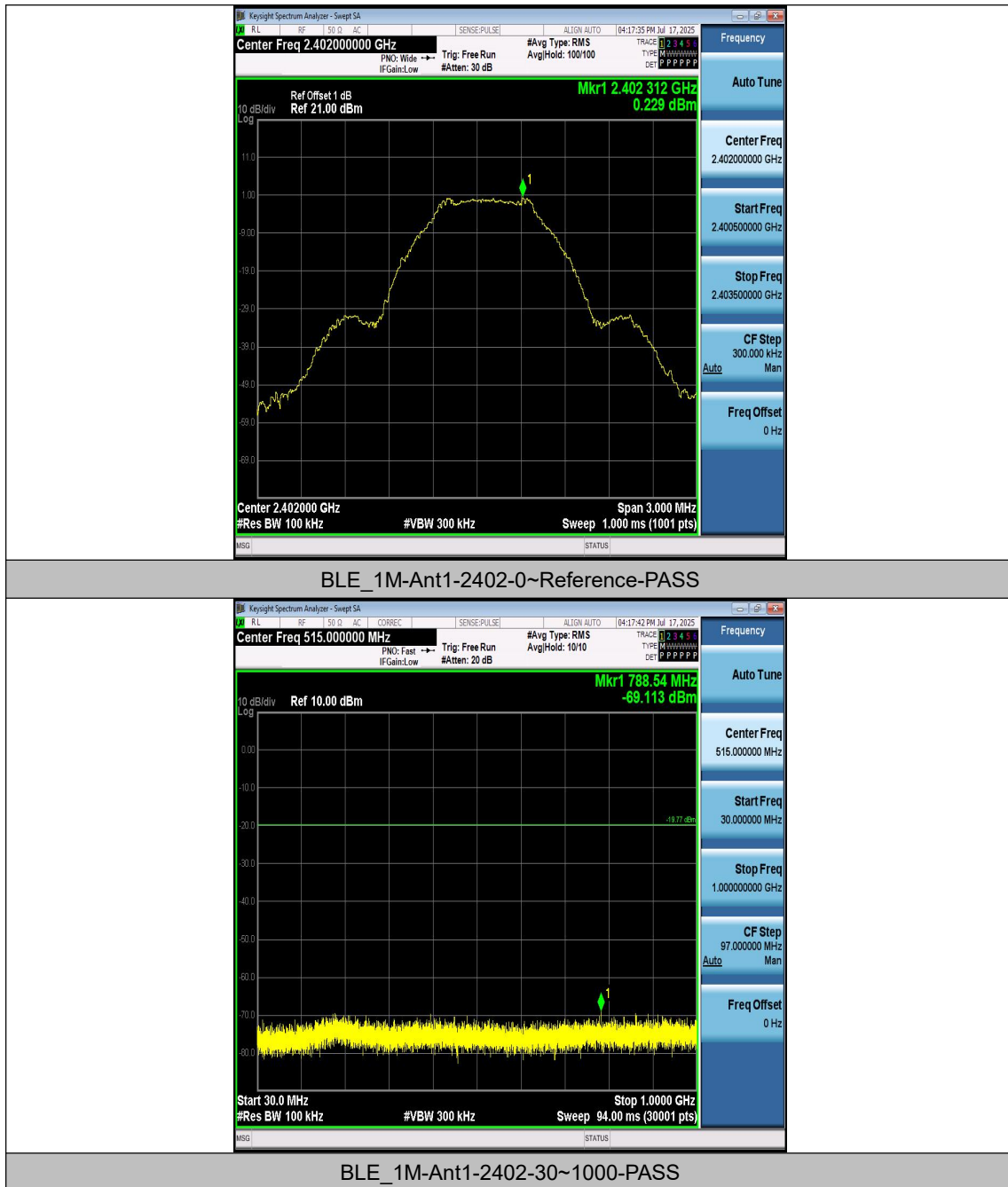
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	0.23	0.23	---	PASS
BLE_1M	Ant1	2402	30~1000	0.23	-69.11	≤-19.77	PASS
BLE_1M	Ant1	2402	1000~26500	0.23	-37	≤-19.77	PASS
BLE_1M	Ant1	2440	0~Reference	0.14	0.14	---	PASS
BLE_1M	Ant1	2440	30~1000	0.14	-68.83	≤-19.86	PASS
BLE_1M	Ant1	2440	1000~26500	0.14	-38.35	≤-19.86	PASS
BLE_1M	Ant1	2480	0~Reference	0.04	0.04	---	PASS
BLE_1M	Ant1	2480	30~1000	0.04	-68.95	≤-19.96	PASS
BLE_1M	Ant1	2480	1000~26500	0.04	-42.92	≤-19.96	PASS

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

Test Graphs



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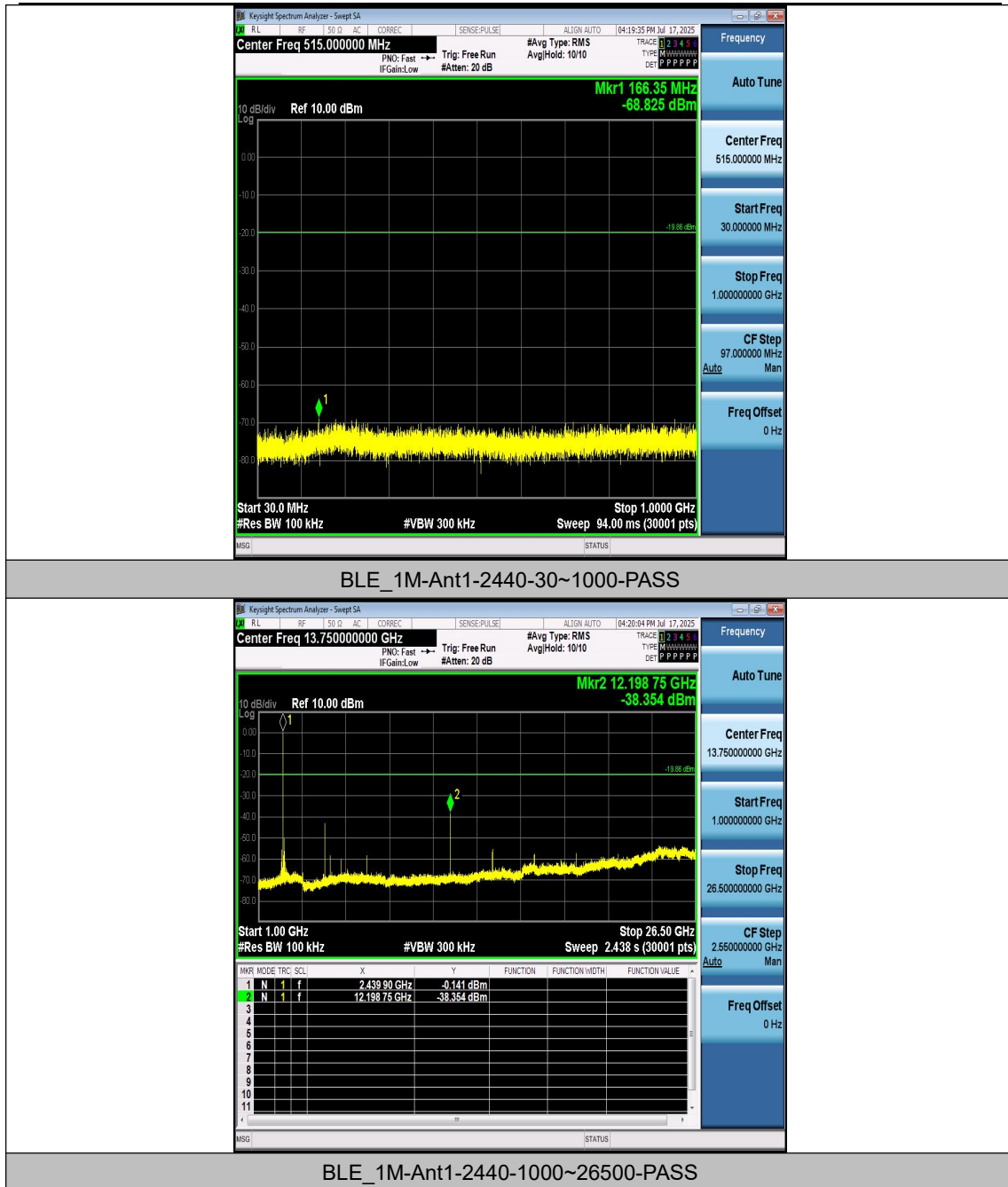
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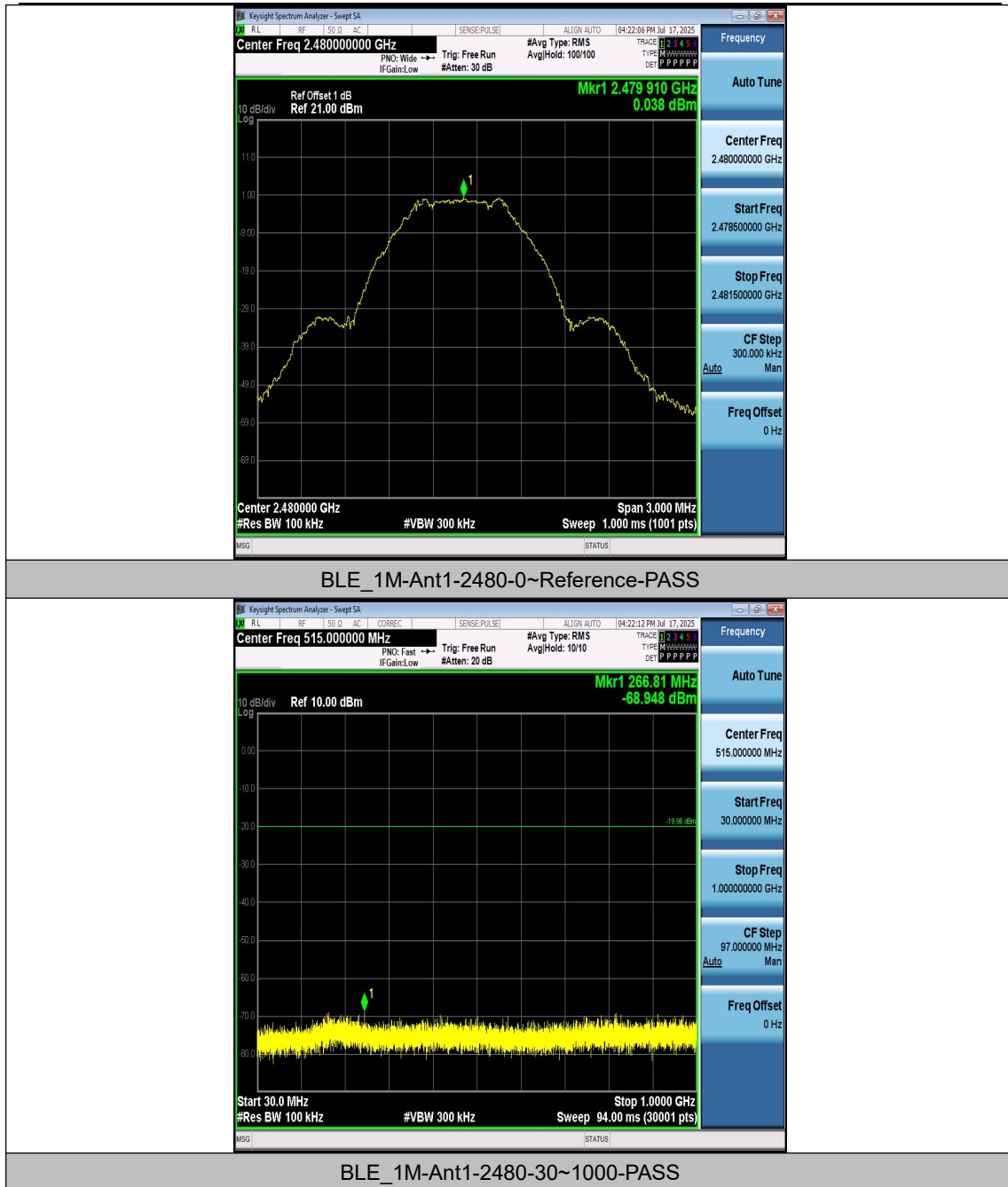
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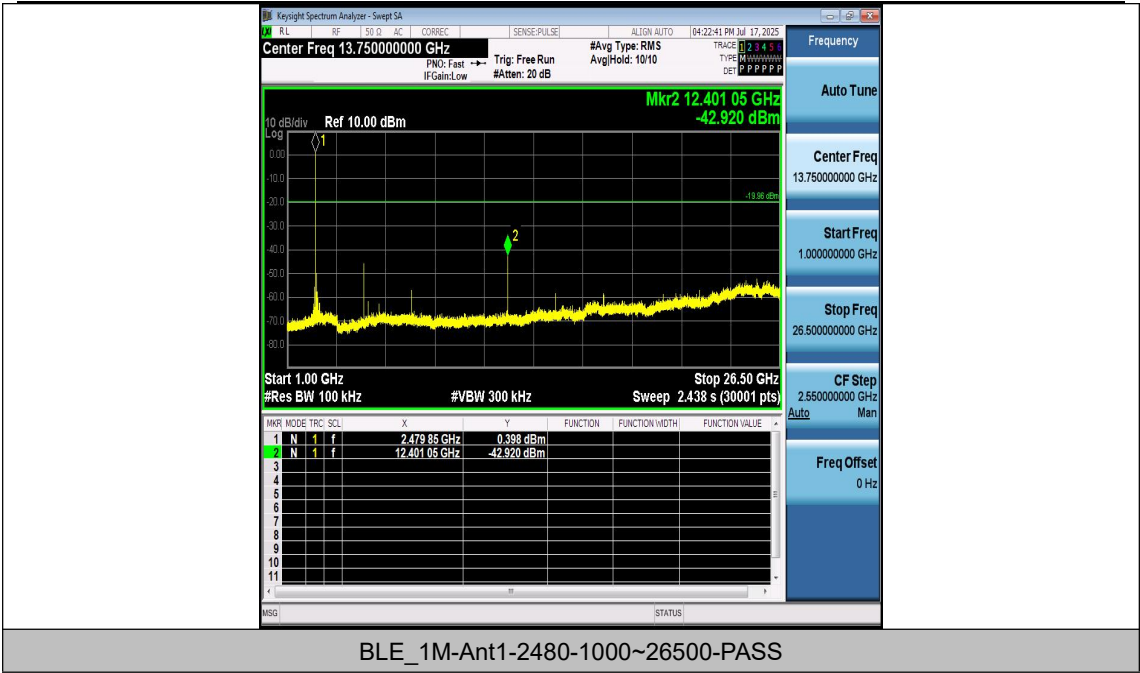
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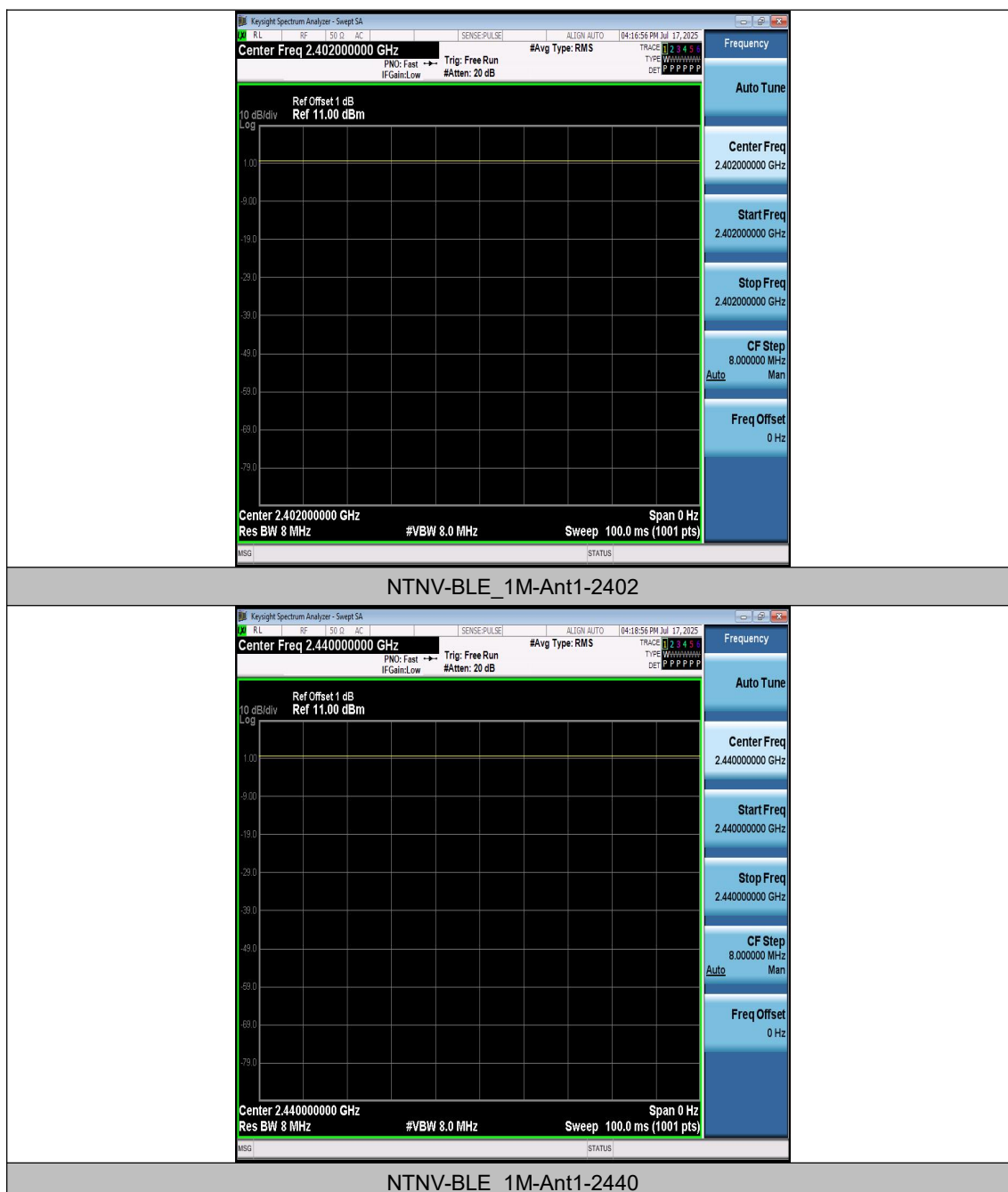
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Appendix G: Duty Cycle

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

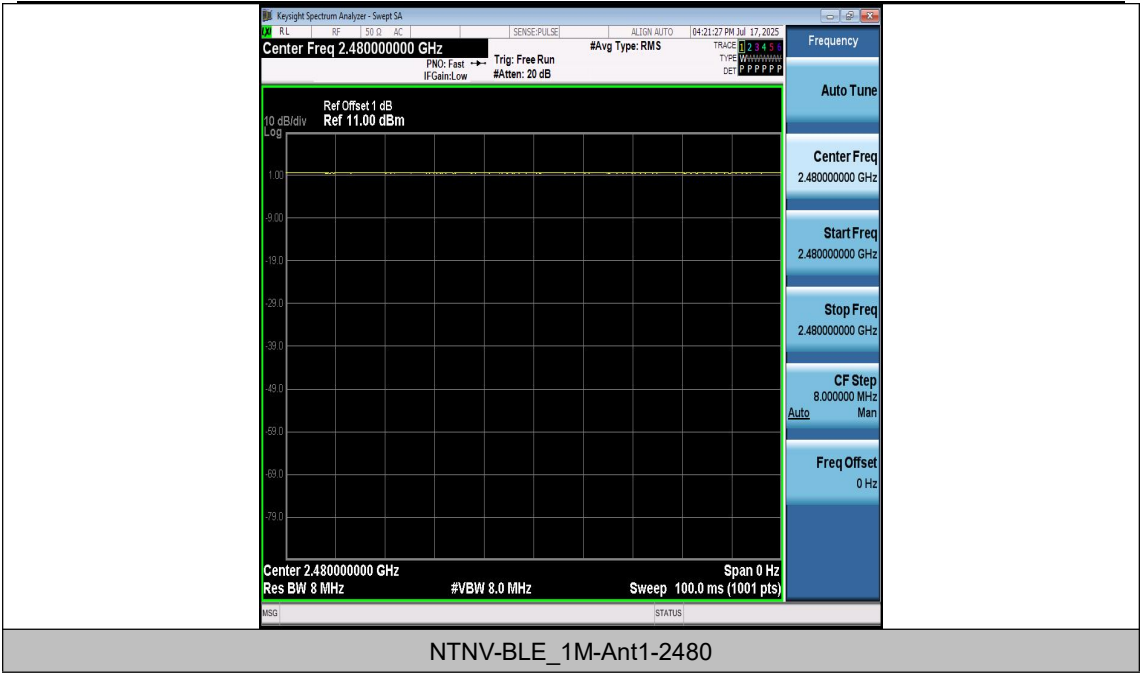
Test Graphs



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