

Appendix Test Data

Report No.:	1812C50368312501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-7-28	Finish Test Date:	2025-7-29
Test Engineer:	Hu Sen Guan	Auditor:	Justin Feng
Temperature:	26°C	Relative Humidity:	51%
Pressure:	101kPa		

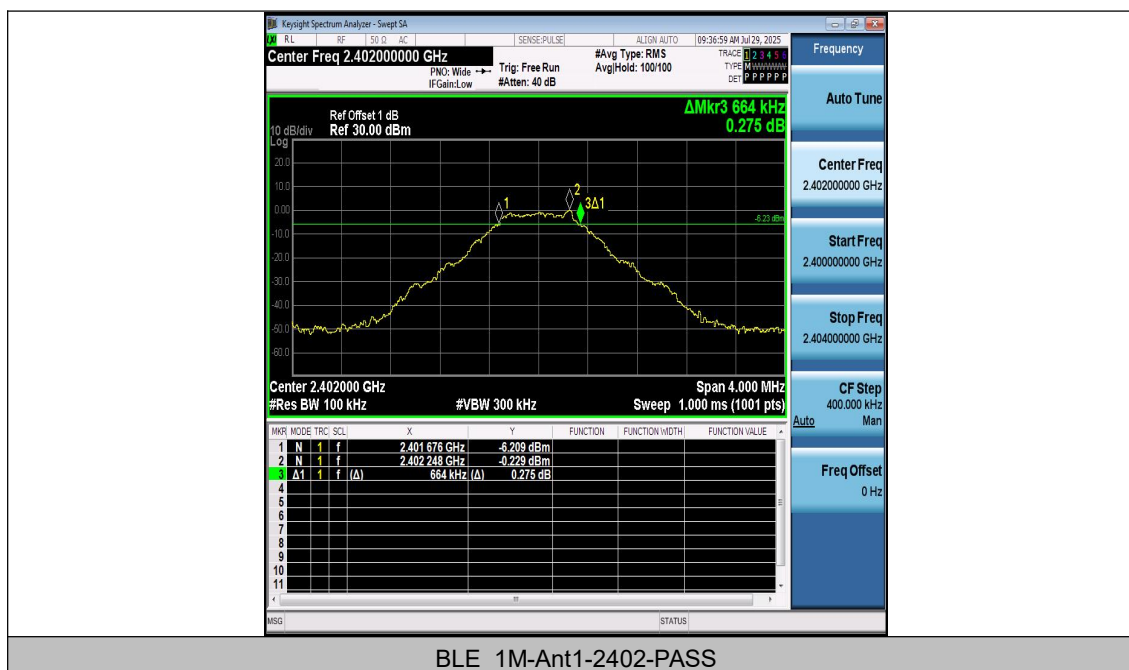


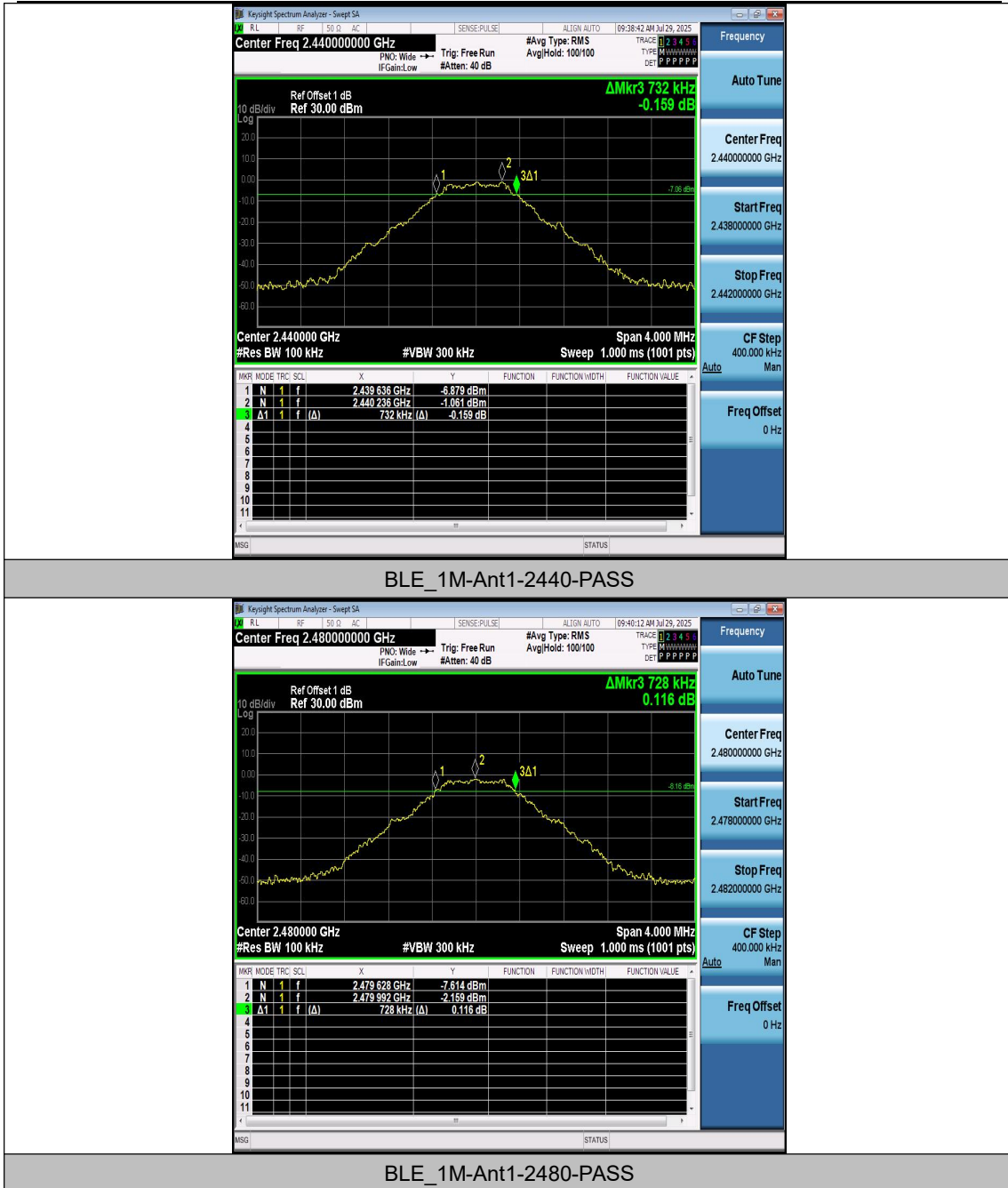
Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.664	2401.676	2402.340	0.5	PASS
BLE_1M	Ant1	2440	0.732	2439.636	2440.368	0.5	PASS
BLE_1M	Ant1	2480	0.728	2479.628	2480.356	0.5	PASS

Test Graphs





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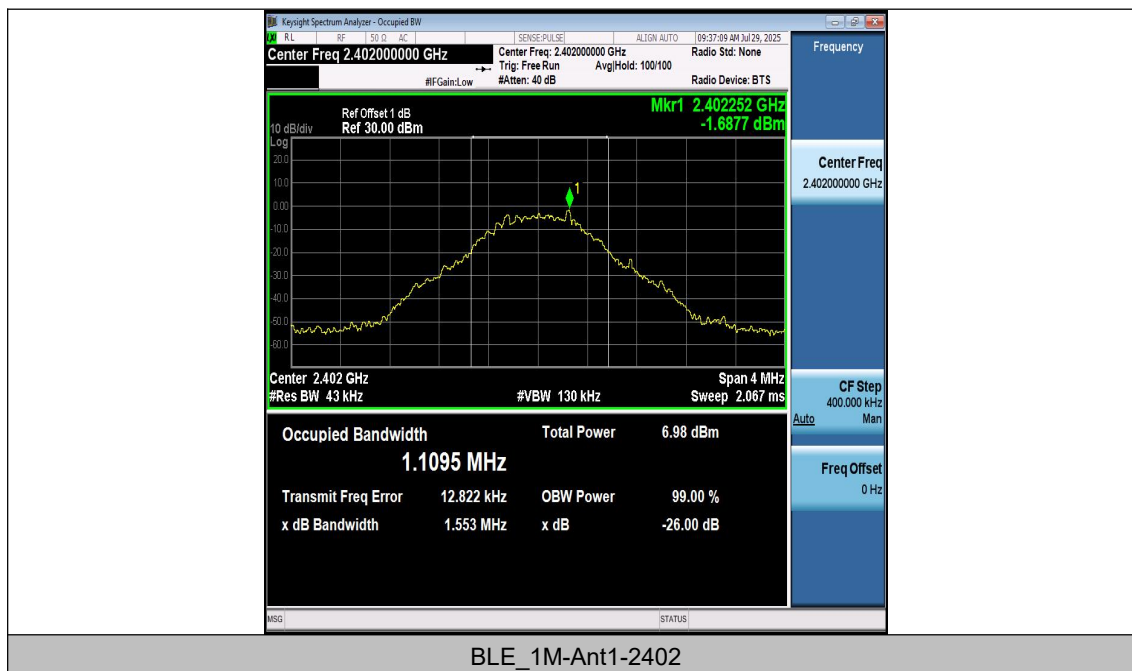
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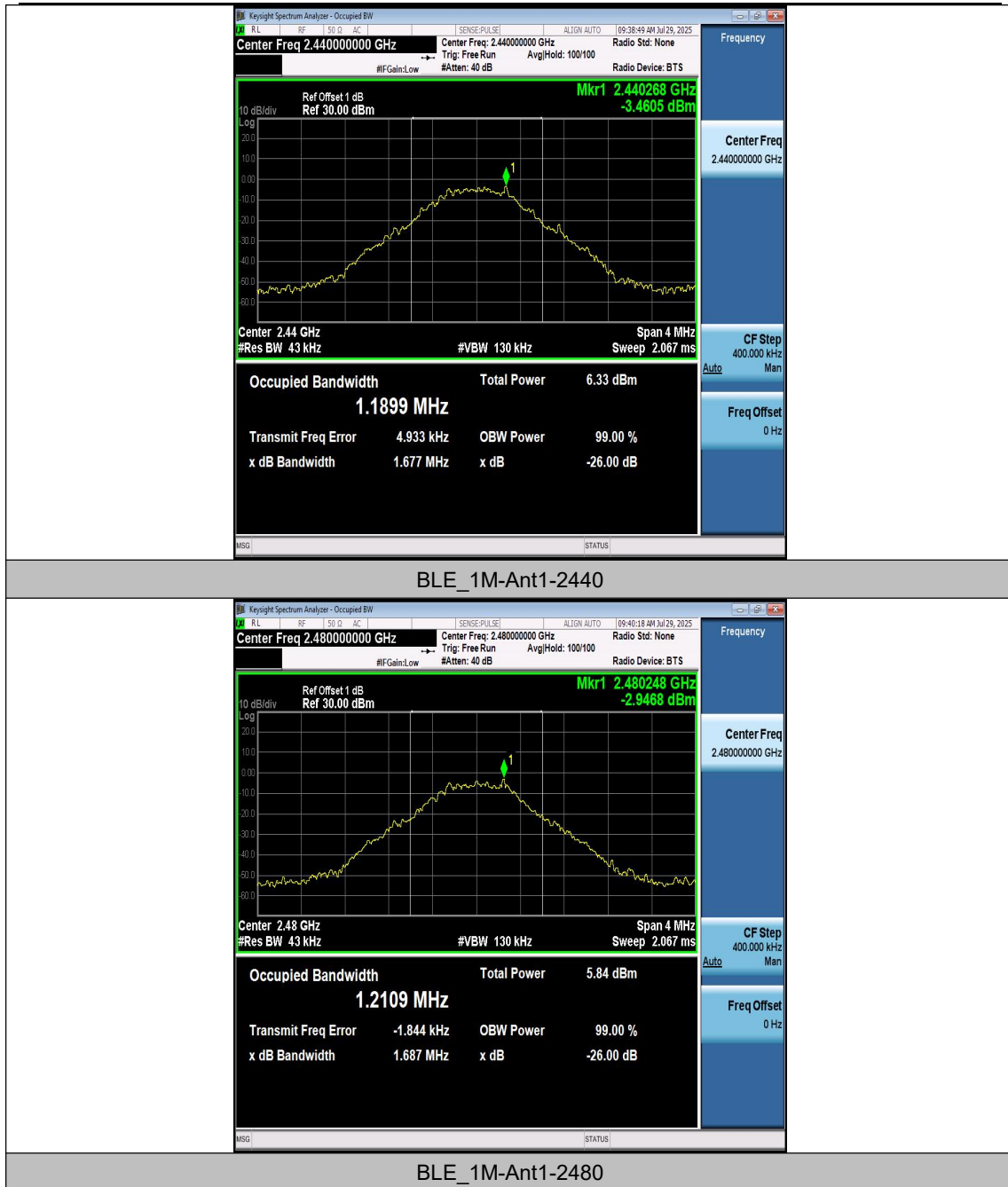
Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.1095	2401.4581	2402.5676	---	---
BLE_1M	Ant1	2440	1.1899	2439.4100	2440.5999	---	---
BLE_1M	Ant1	2480	1.2109	2479.3927	2480.6036	---	---

Test Graphs





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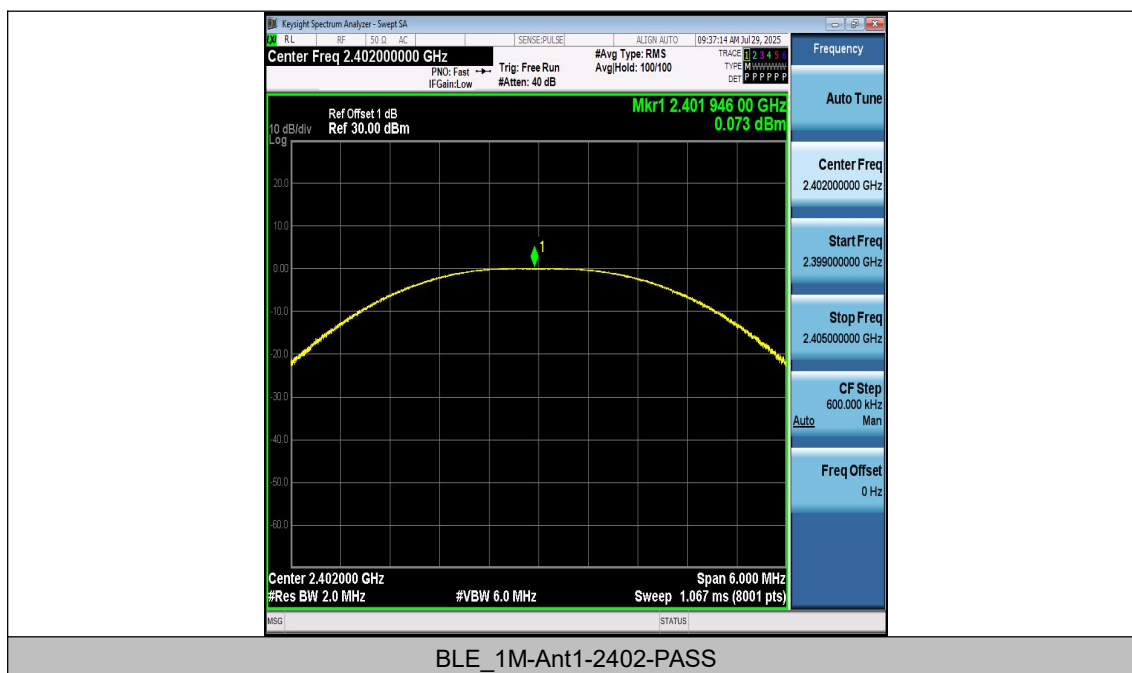
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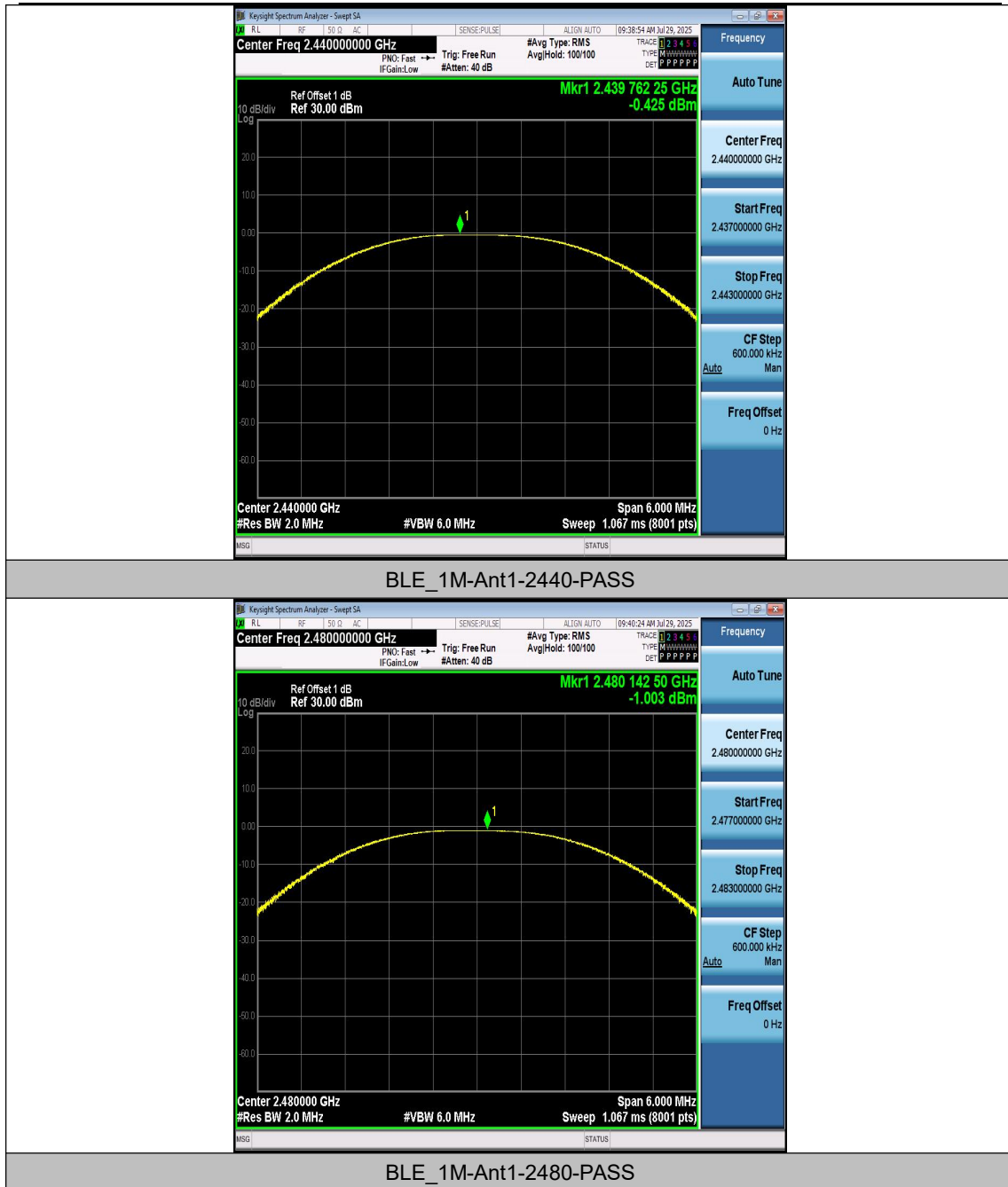
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.07	≤30	PASS
BLE_1M	Ant1	2440	-0.43	≤30	PASS
BLE_1M	Ant1	2480	-1.00	≤30	PASS

Test Graphs Peak





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Appendix D: Maximum power spectral density

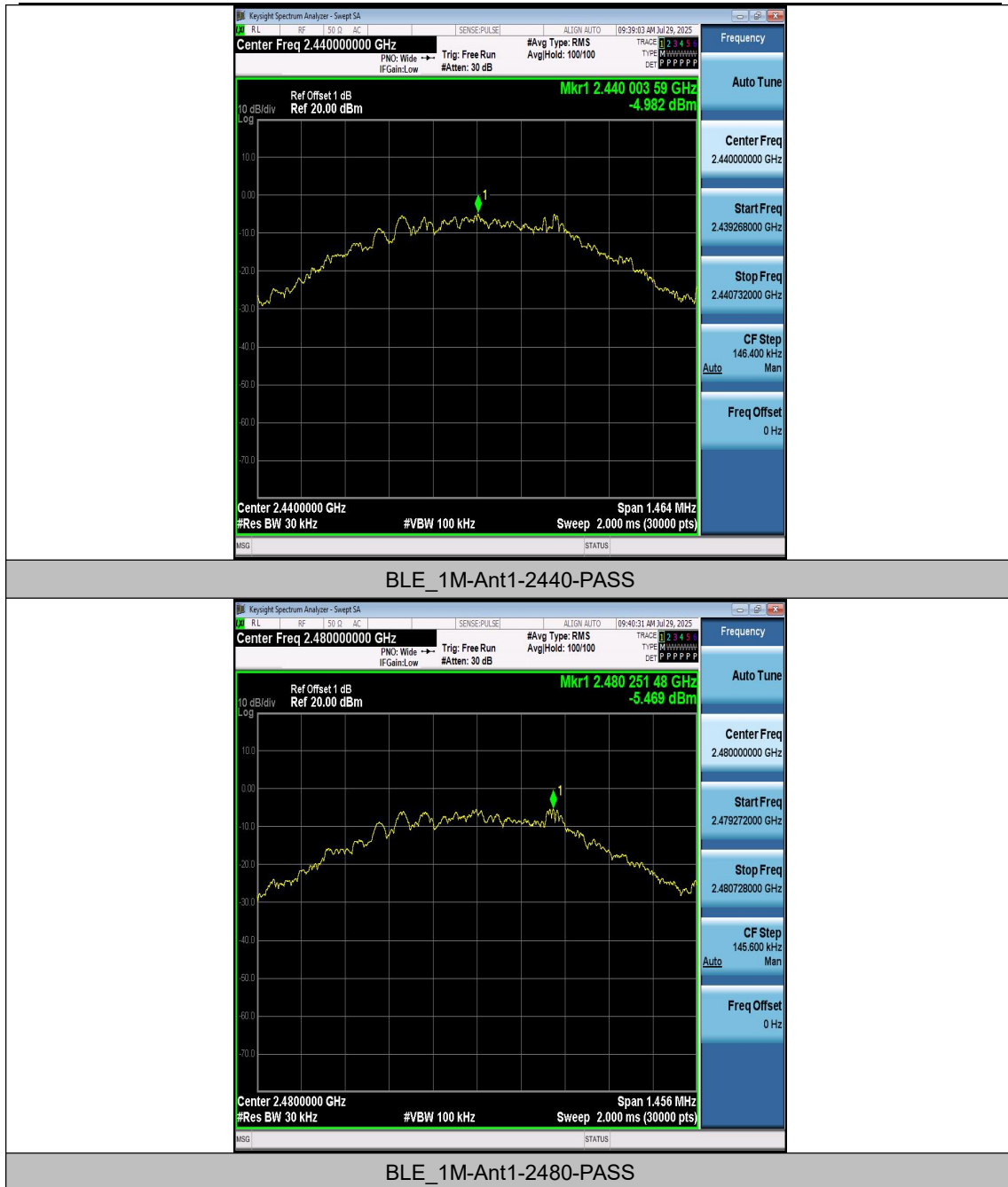
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/30kHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-4.40	-14.40	≤8.00	PASS
BLE_1M	Ant1	2440	-4.98	-14.98	≤8.00	PASS
BLE_1M	Ant1	2480	-5.47	-15.47	≤8.00	PASS

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

Test Graphs





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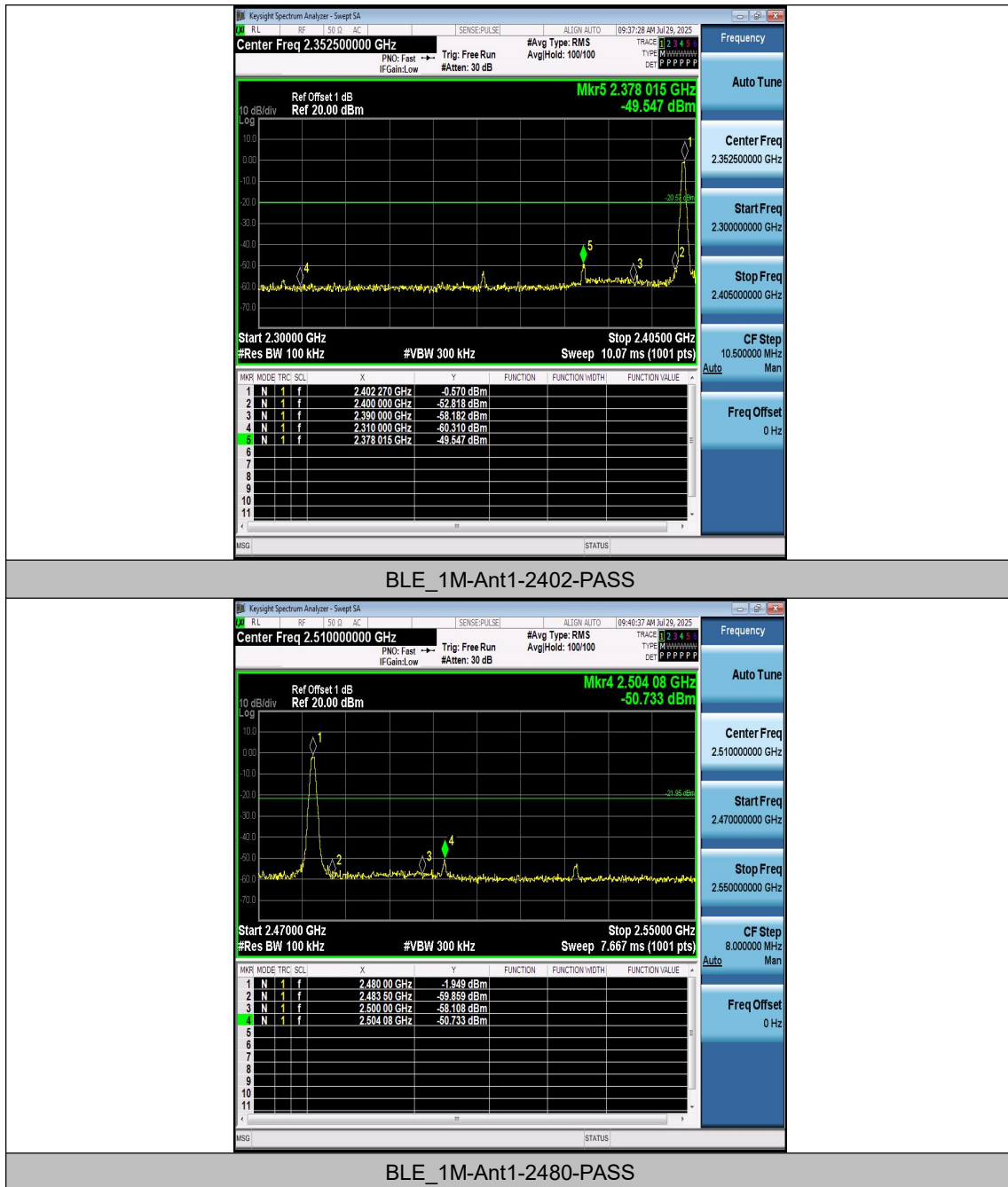
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.57	-49.55	≤-20.57	PASS
BLE_1M	Ant1	High	2480	-1.95	-50.73	≤-21.95	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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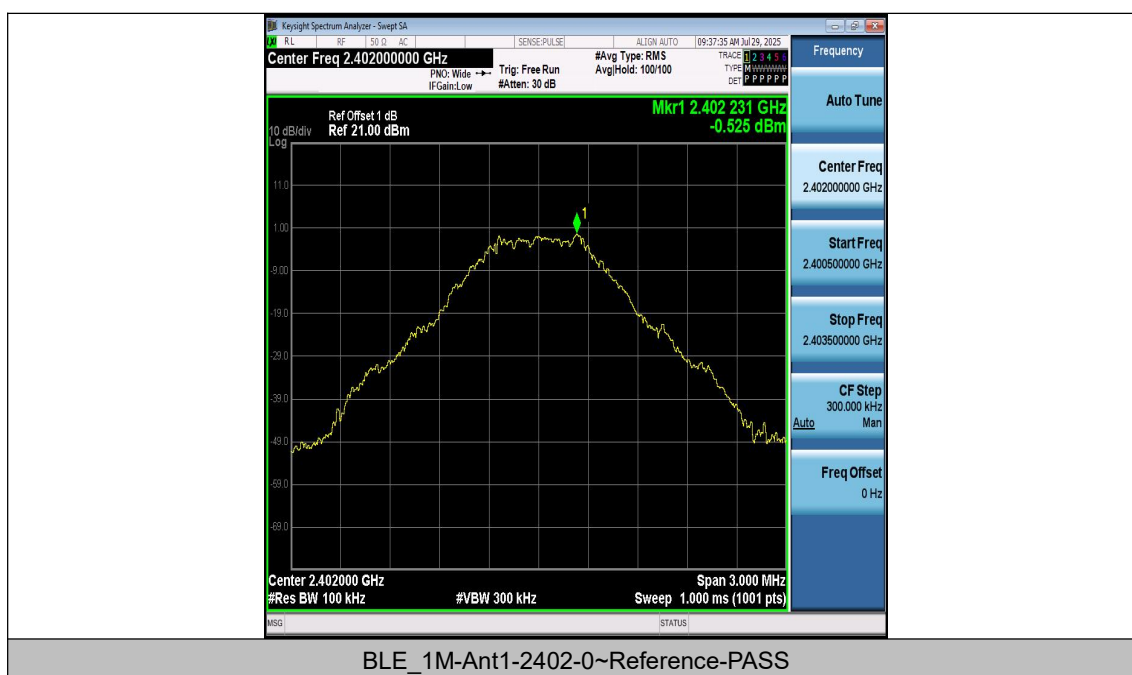
Appendix F: Conducted Spurious Emission

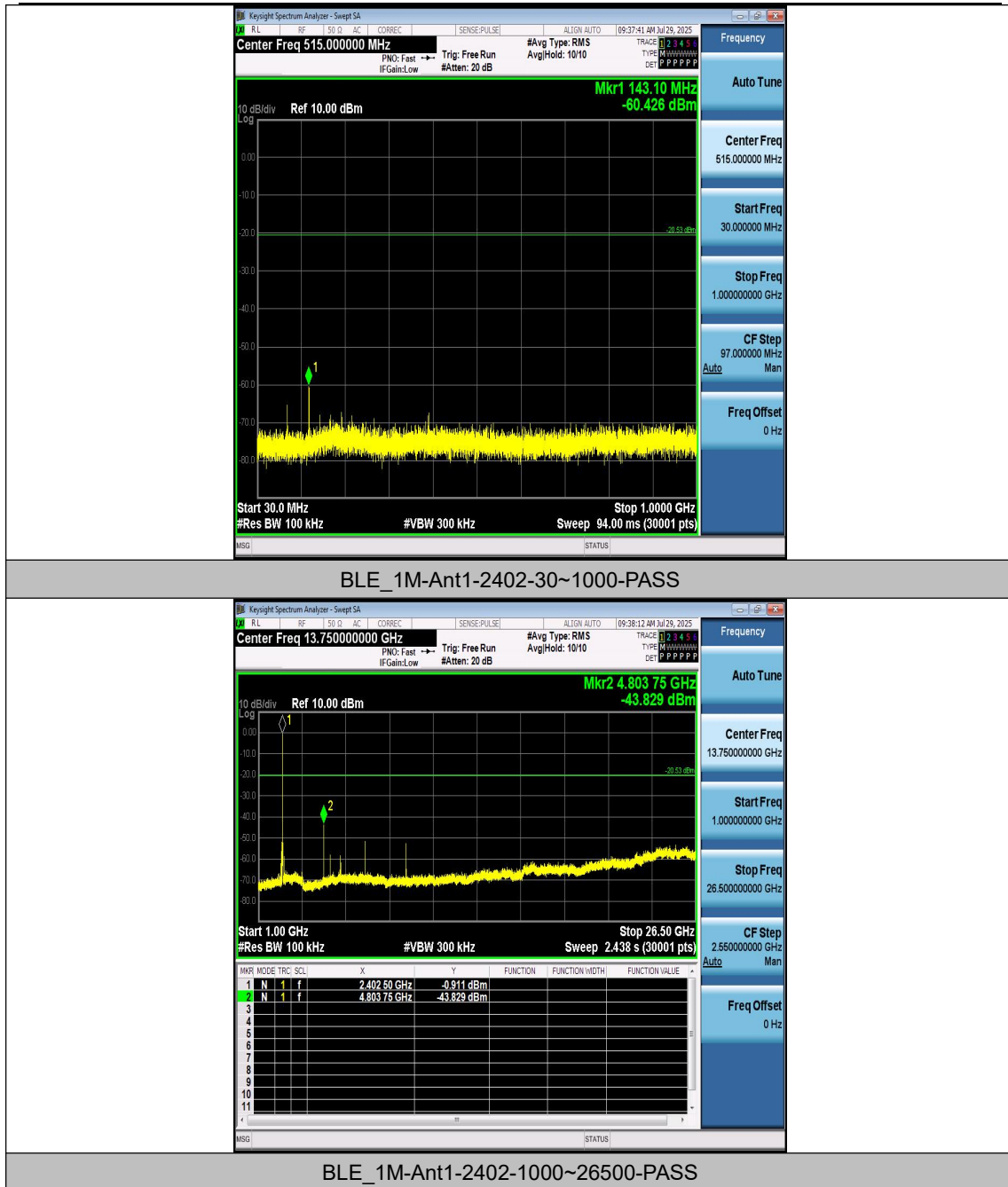
Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-0.53	-0.53	---	PASS
BLE_1M	Ant1	2402	30~1000	-0.53	-60.43	≤-20.53	PASS
BLE_1M	Ant1	2402	1000~26500	-0.53	-43.83	≤-20.53	PASS
BLE_1M	Ant1	2440	0~Reference	-0.72	-0.72	---	PASS
BLE_1M	Ant1	2440	30~1000	-0.72	-65.53	≤-20.72	PASS
BLE_1M	Ant1	2440	1000~26500	-0.72	-43.45	≤-20.72	PASS
BLE_1M	Ant1	2480	0~Reference	-2.02	-2.02	---	PASS
BLE_1M	Ant1	2480	30~1000	-2.02	-60.71	≤-22.02	PASS
BLE_1M	Ant1	2480	1000~26500	-2.02	-41.17	≤-22.02	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

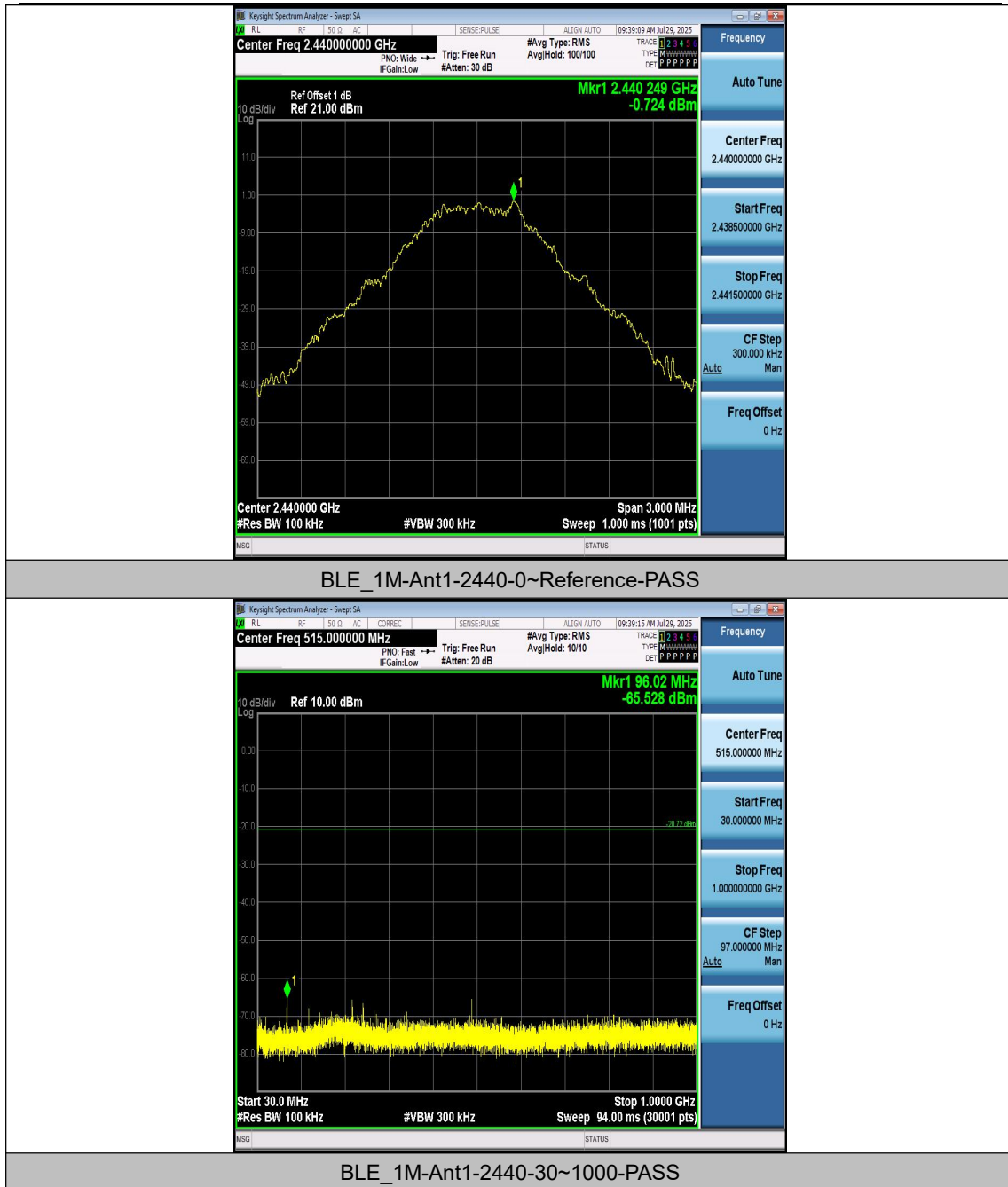




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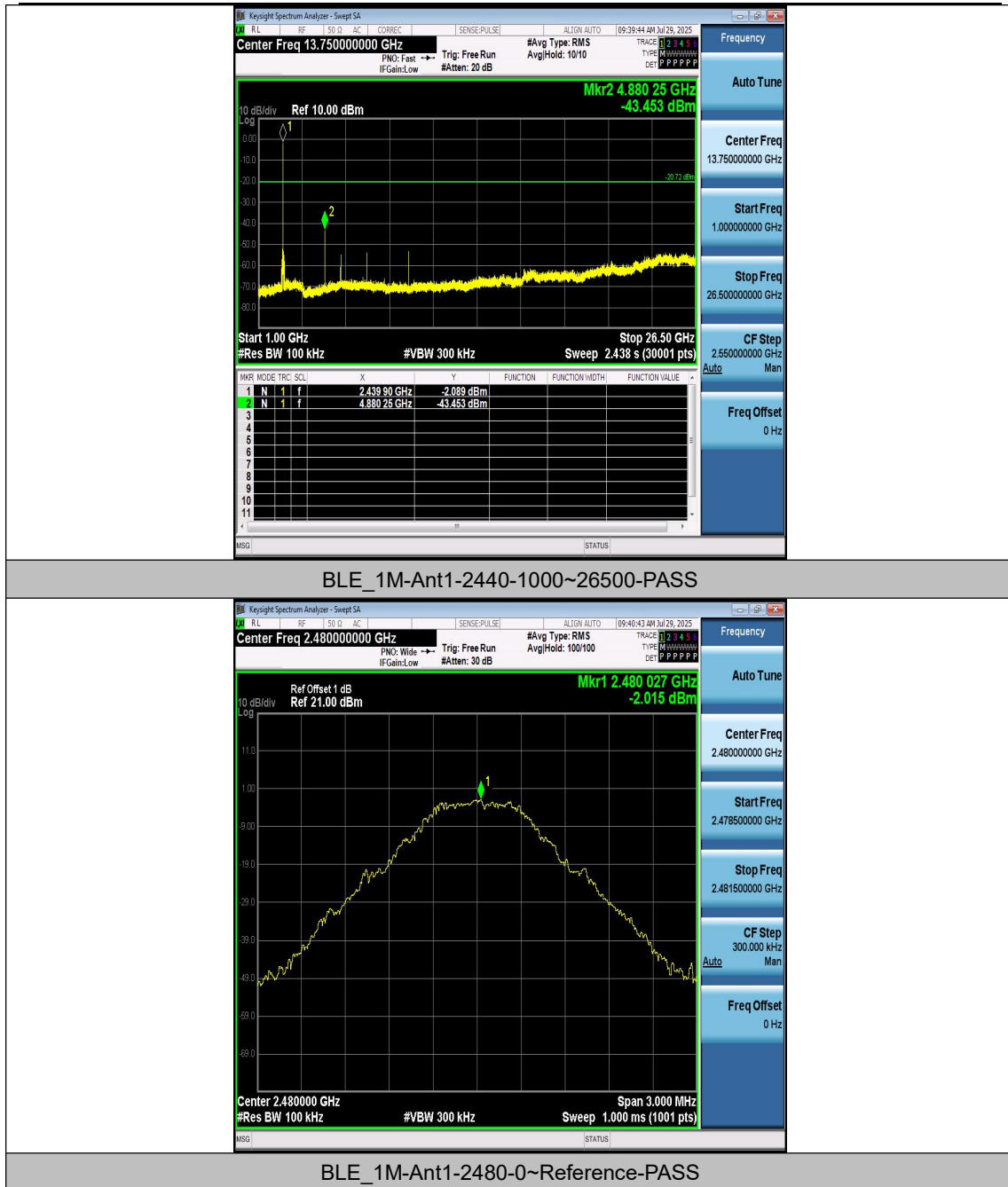
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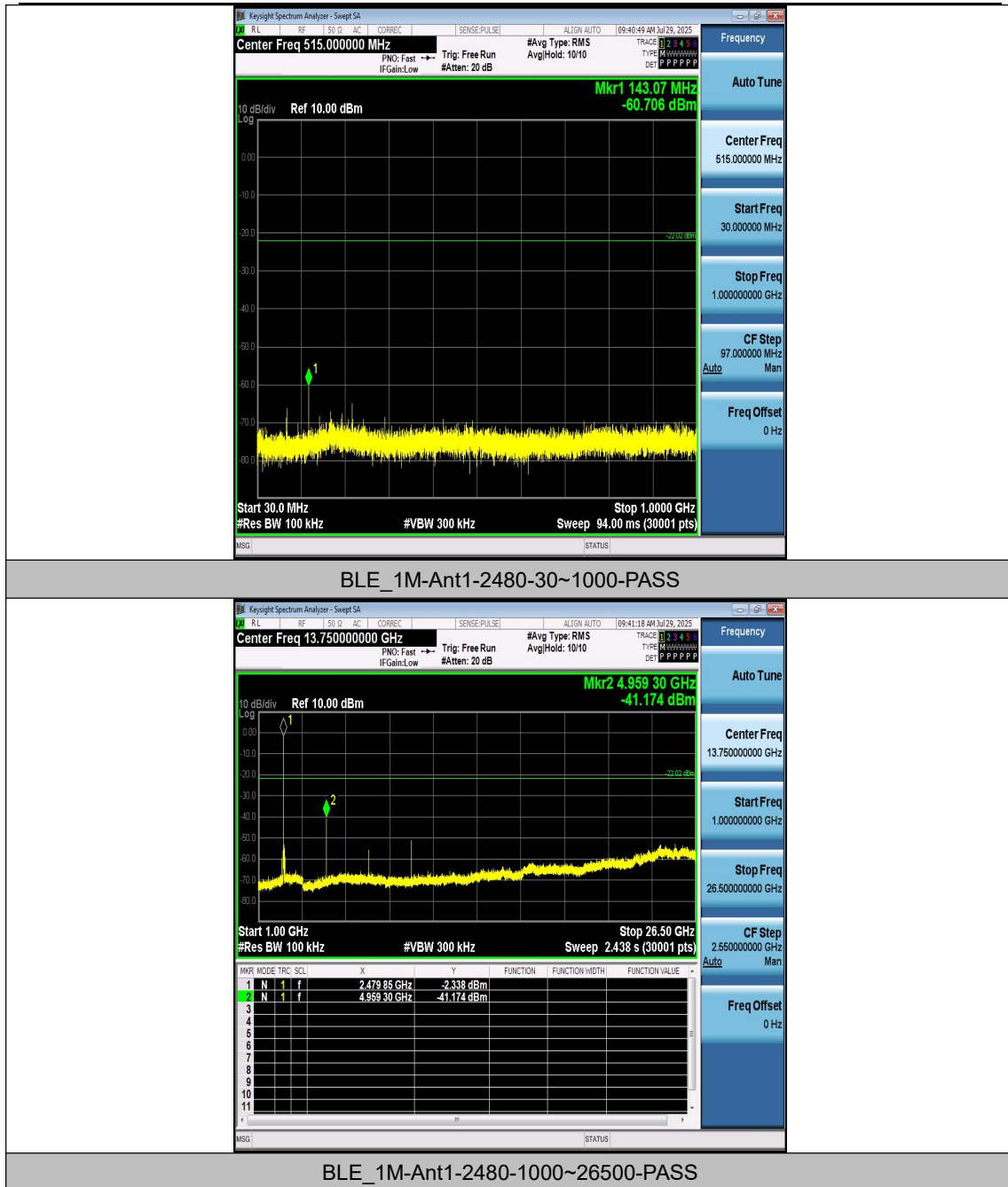
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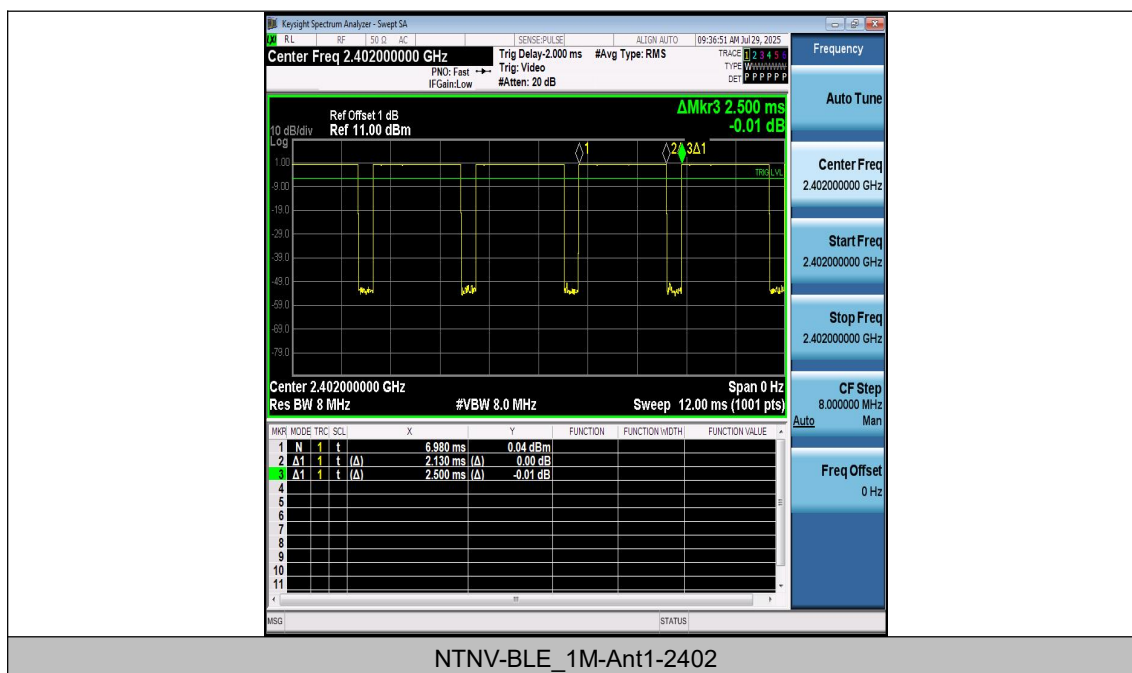
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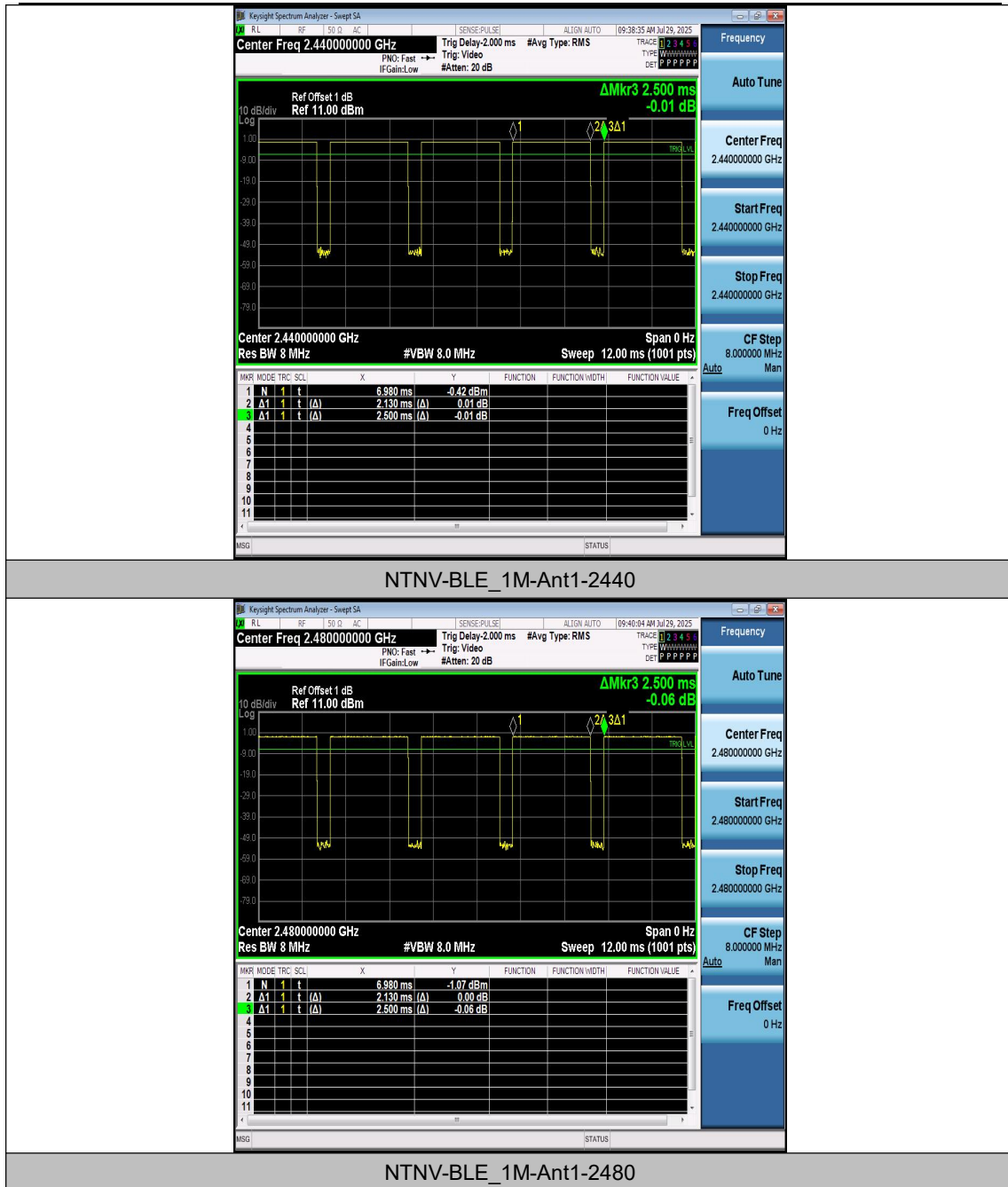
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.13	2.50	85.20	0.70
BLE_1M	Ant1	2440	2.13	2.50	85.20	0.70
BLE_1M	Ant1	2480	2.13	2.50	85.20	0.70

Test Graphs





---End---