

Appendix Test Data

Report No.:	1812C50612512501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-11-28	Finish Test Date:	2025-11-28
Test Engineer:	<i>Aless Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	23.8°C	Relative Humidity:	42%
Pressure:	101kPa		

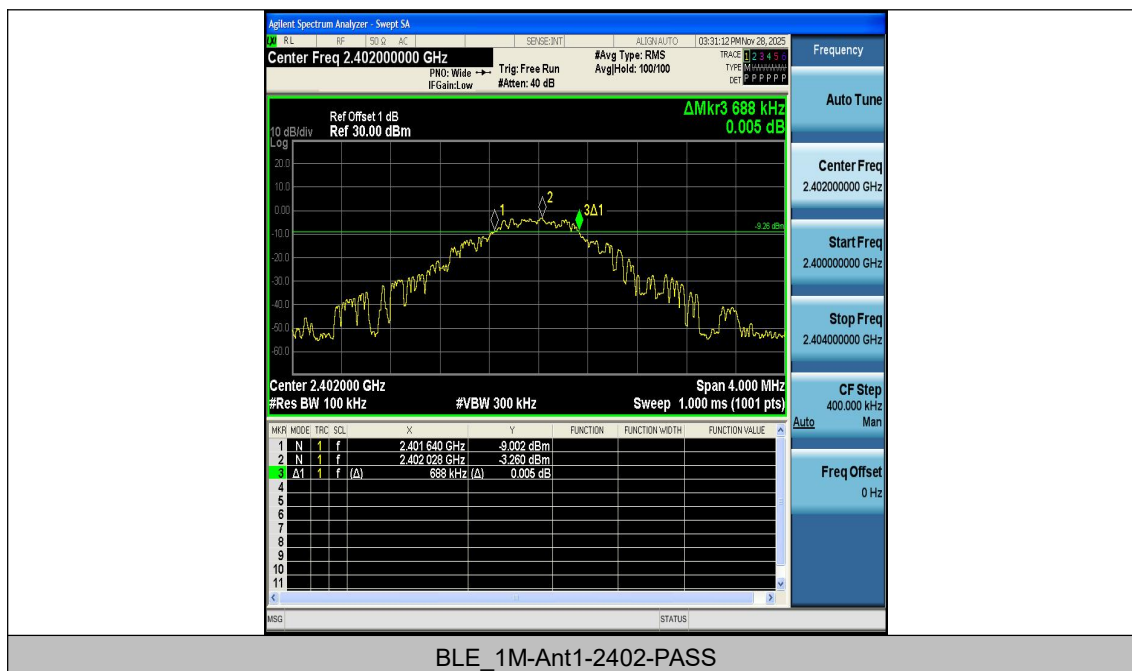


Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.688	2401.640	2402.328	0.5	PASS
BLE_1M	Ant1	2440	0.688	2439.636	2440.324	0.5	PASS
BLE_1M	Ant1	2480	0.668	2479.668	2480.336	0.5	PASS

Test Graphs





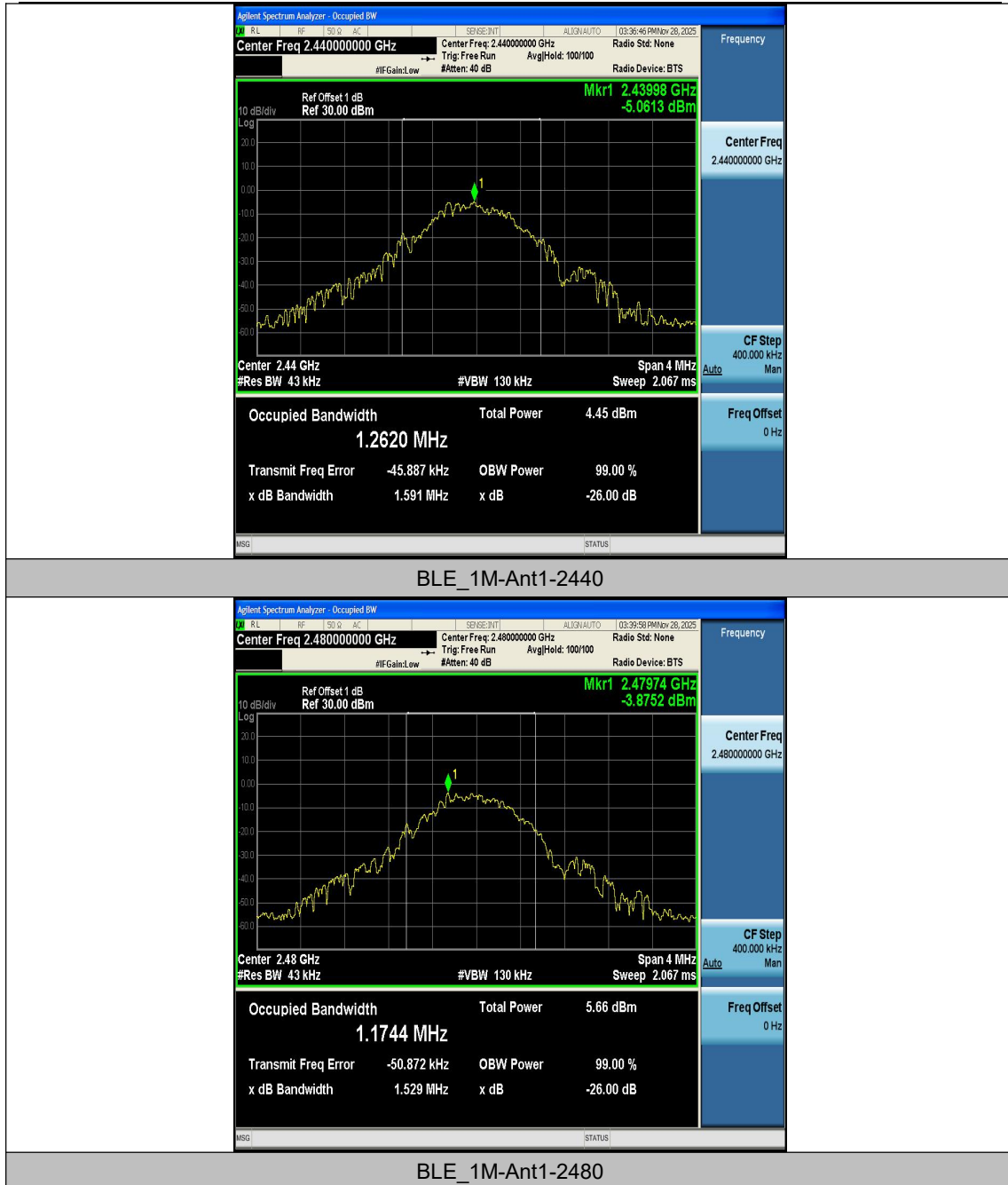
Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.2987	2401.3060	2402.6047	---	---
BLE_1M	Ant1	2440	1.2620	2439.3231	2440.5851	---	---
BLE_1M	Ant1	2480	1.1744	2479.3619	2480.5363	---	---

Test Graphs





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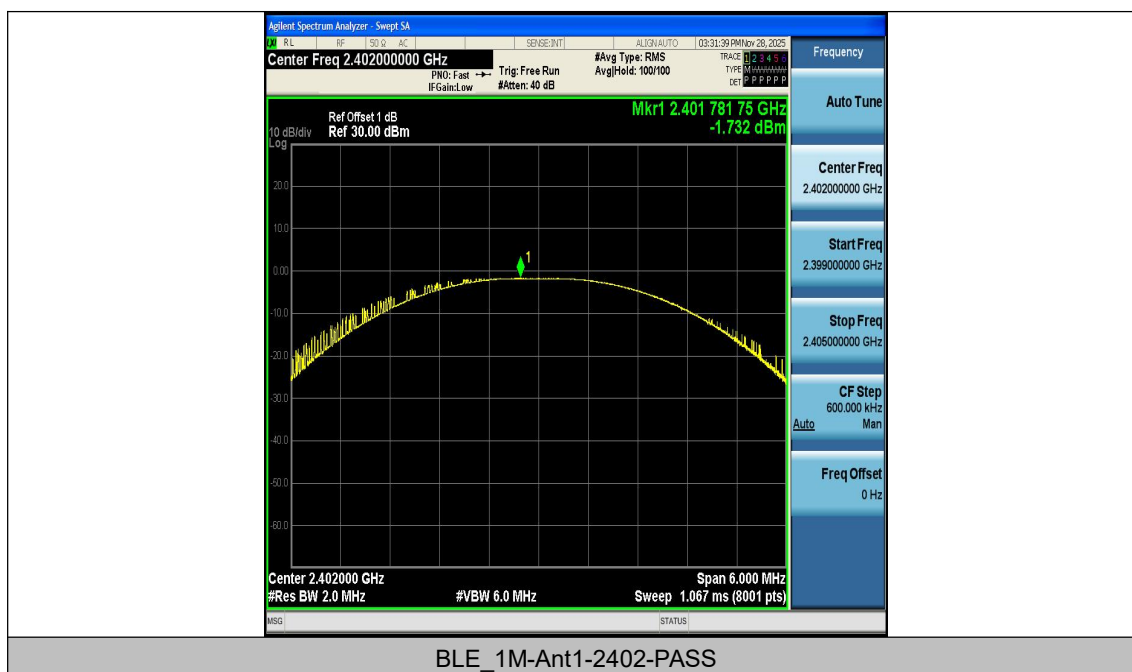
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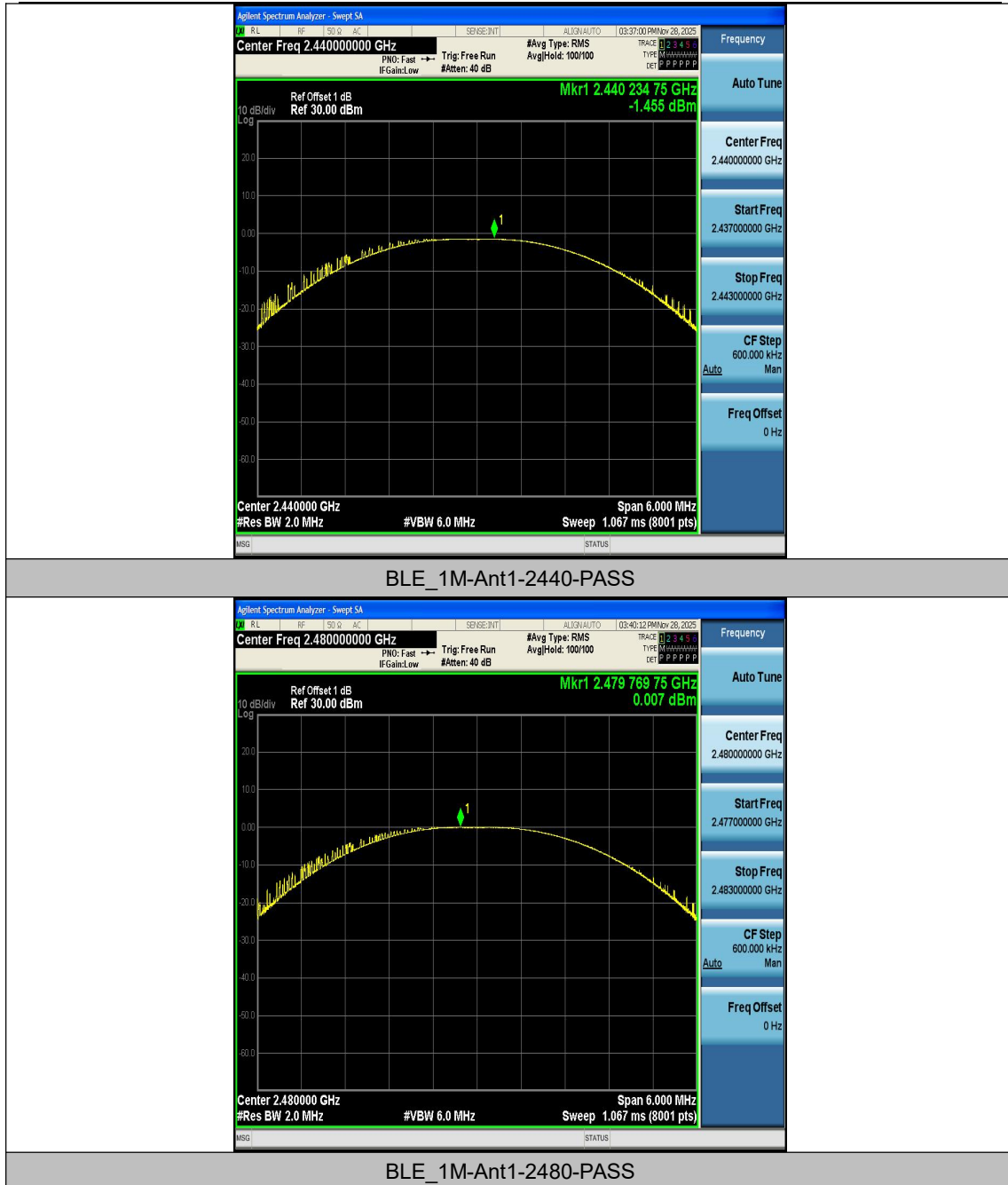
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-1.73	≤30	PASS
BLE_1M	Ant1	2440	-1.46	≤30	PASS
BLE_1M	Ant1	2480	0.01	≤30	PASS

Test Graphs Peak





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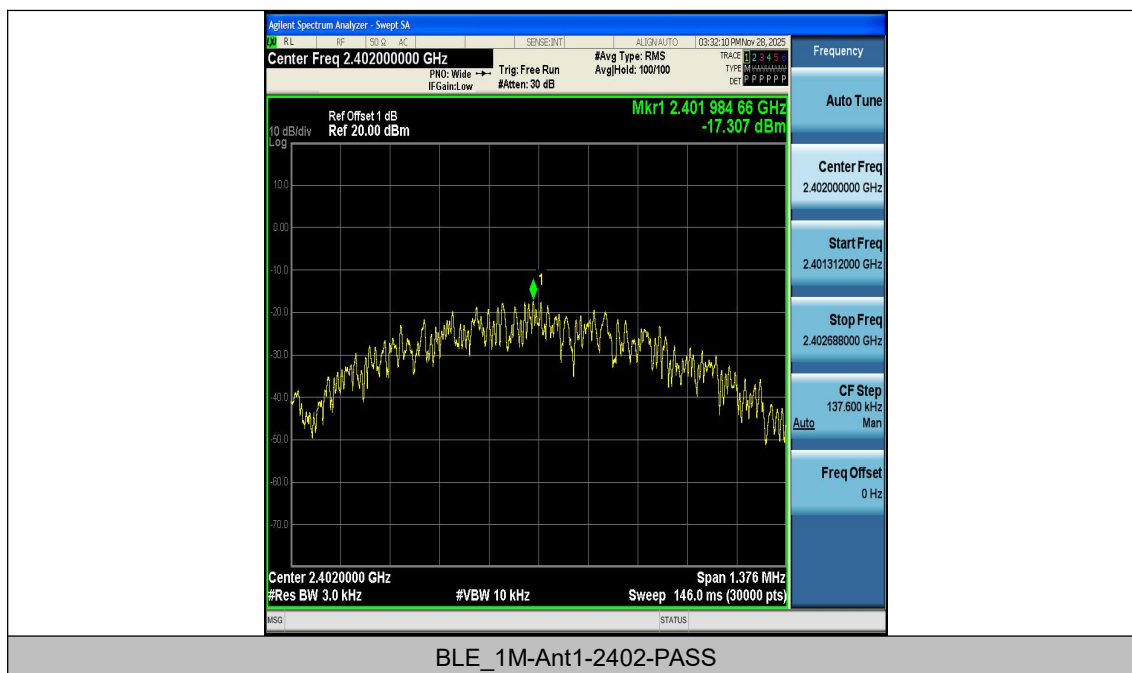
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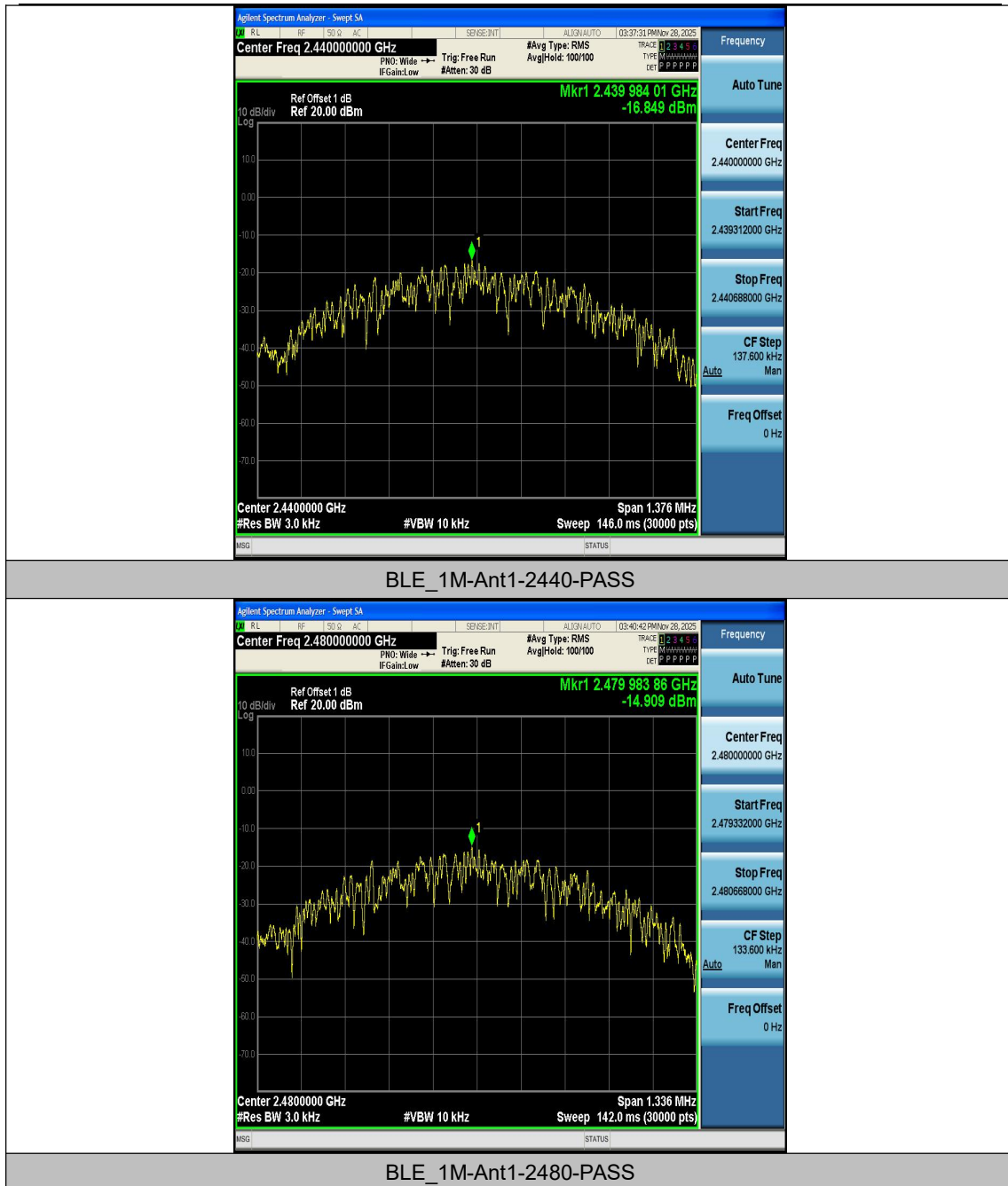
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-17.31	≤8.00	PASS
BLE_1M	Ant1	2440	-16.85	≤8.00	PASS
BLE_1M	Ant1	2480	-14.91	≤8.00	PASS

Test Graphs



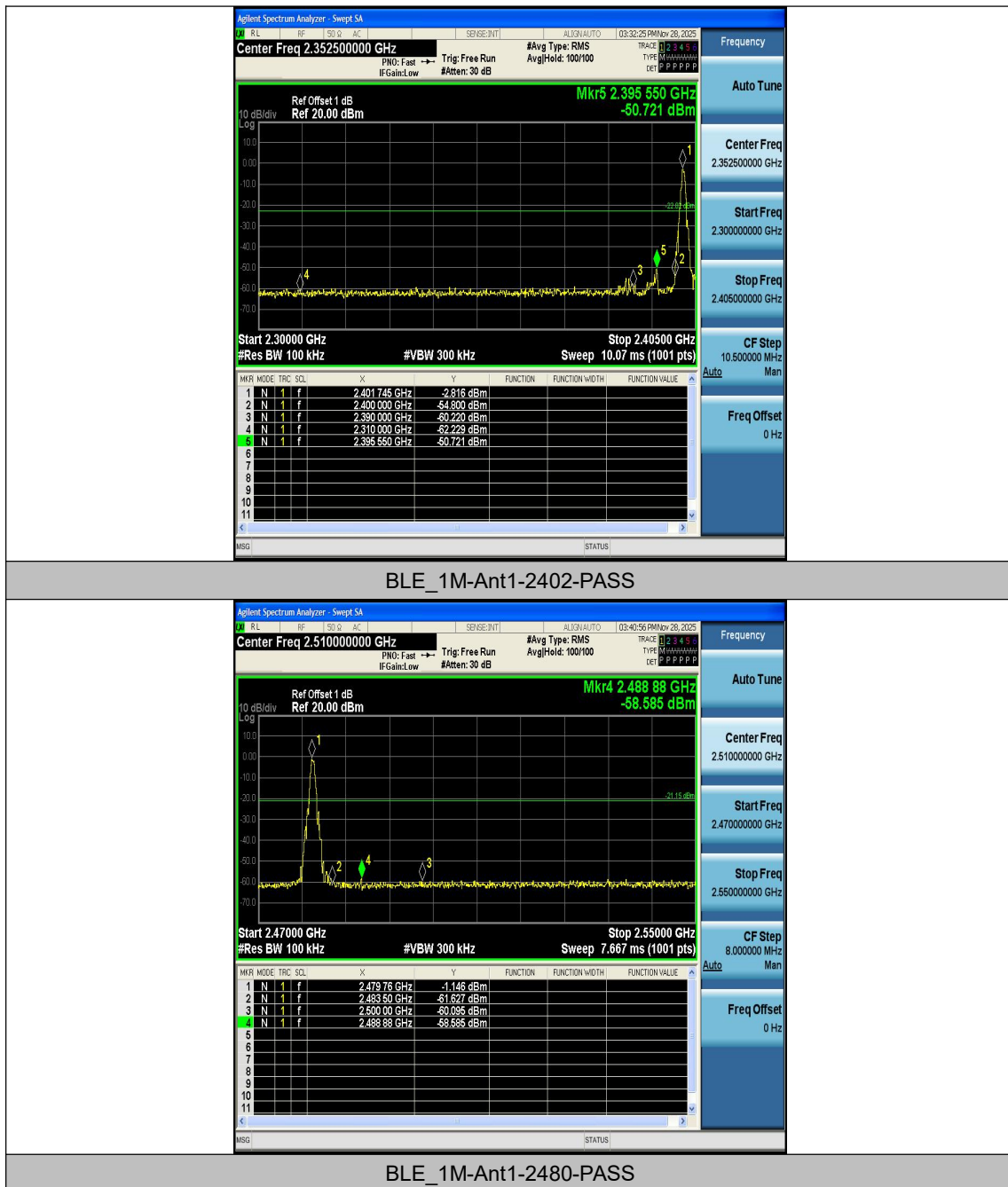


Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-2.82	-50.72	≤-22.82	PASS
BLE_1M	Ant1	High	2480	-1.15	-58.59	≤-21.15	PASS

Test Graphs



Appendix F: Conducted Spurious Emission

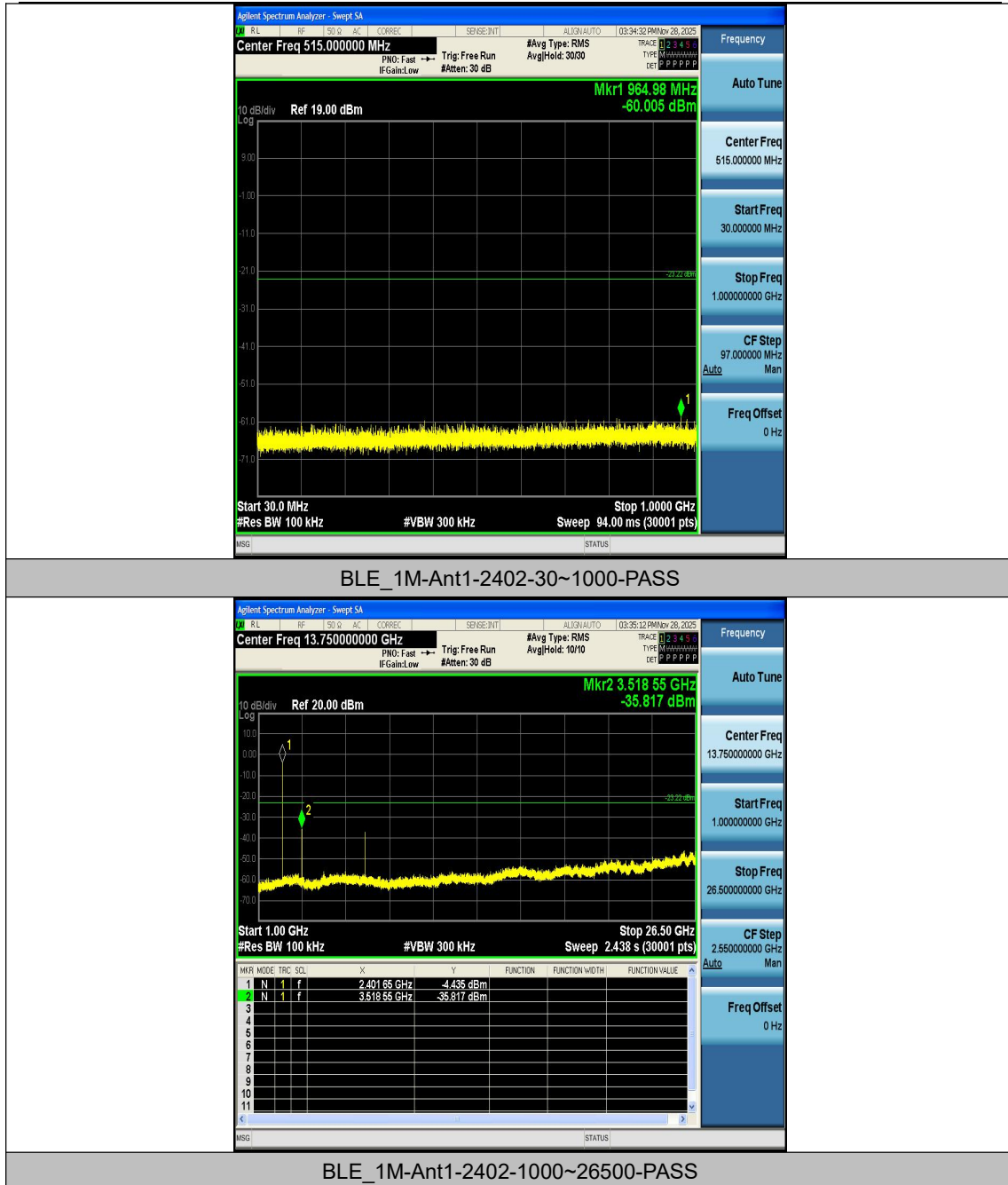
Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-3.22	-3.22	---	PASS
BLE_1M	Ant1	2402	30~1000	-3.22	-60.01	≤-23.22	PASS
BLE_1M	Ant1	2402	1000~26500	-3.22	-35.82	≤-23.22	PASS
BLE_1M	Ant1	2440	0~Reference	-2.87	-2.87	---	PASS
BLE_1M	Ant1	2440	30~1000	-2.87	-59.66	≤-22.87	PASS
BLE_1M	Ant1	2440	1000~26500	-2.87	-41.99	≤-22.87	PASS
BLE_1M	Ant1	2480	0~Reference	-1.66	-1.66	---	PASS
BLE_1M	Ant1	2480	30~1000	-1.66	-59.64	≤-21.66	PASS
BLE_1M	Ant1	2480	1000~26500	-1.66	-31.8	≤-21.66	PASS

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

Test Graphs

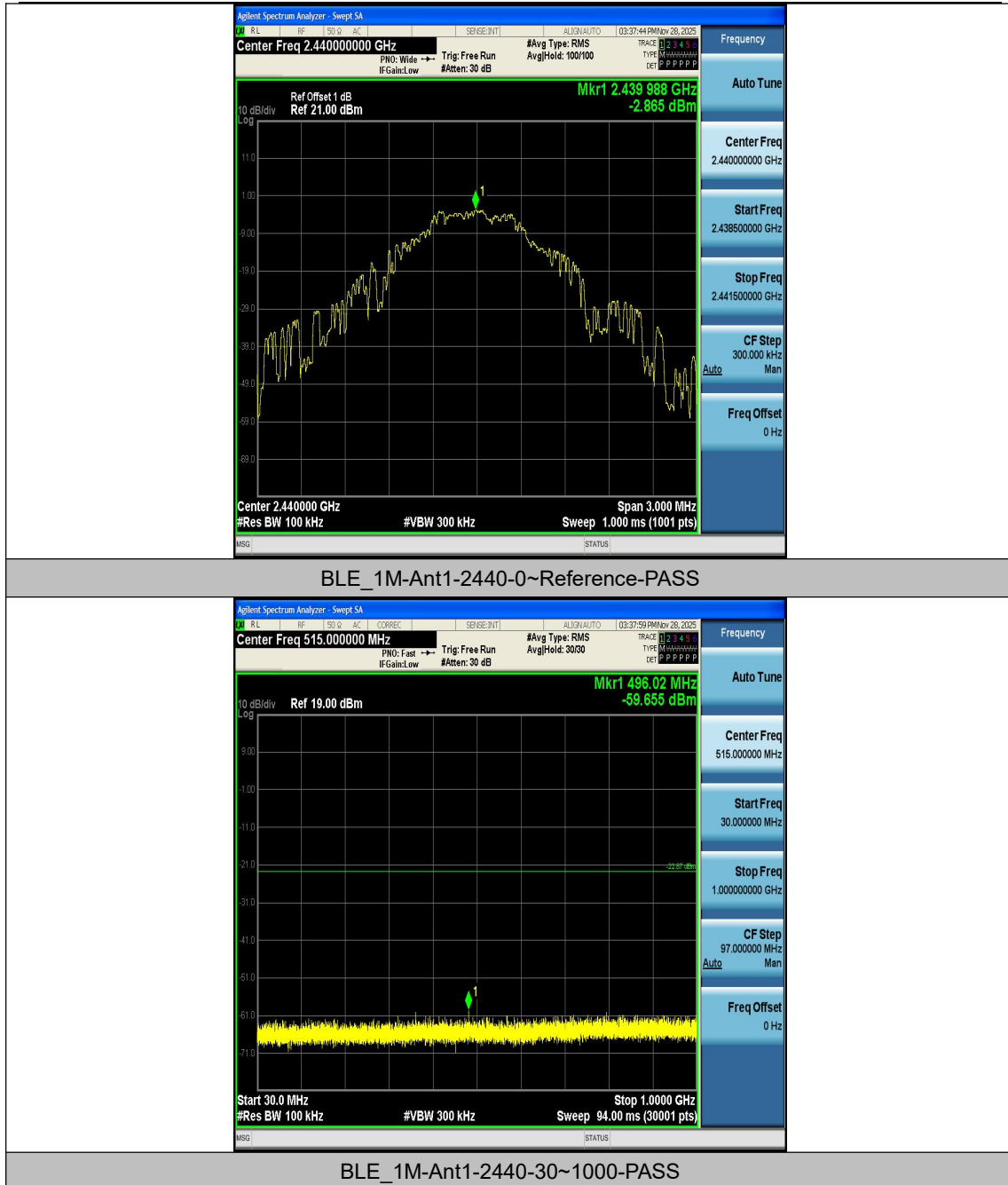




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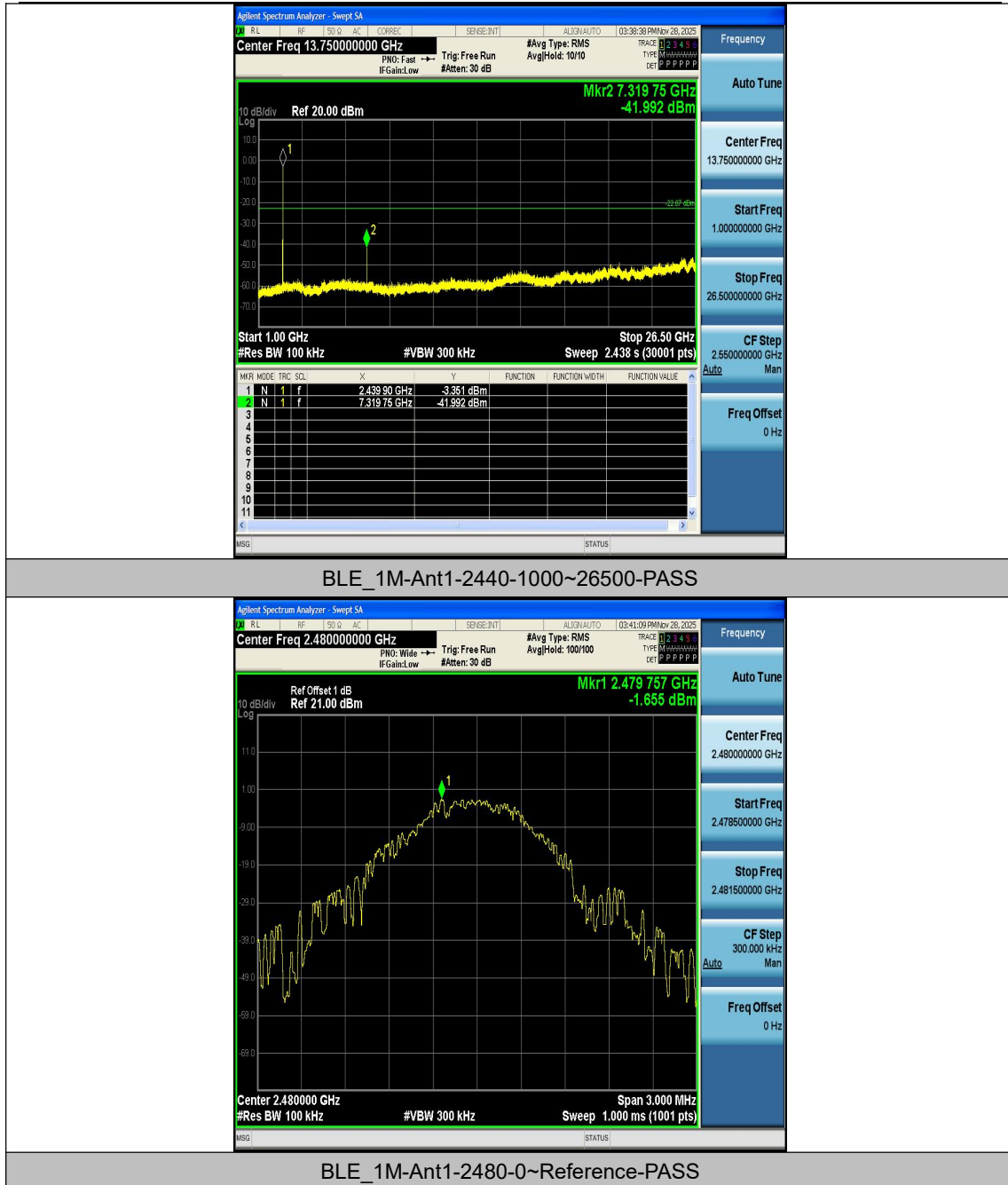
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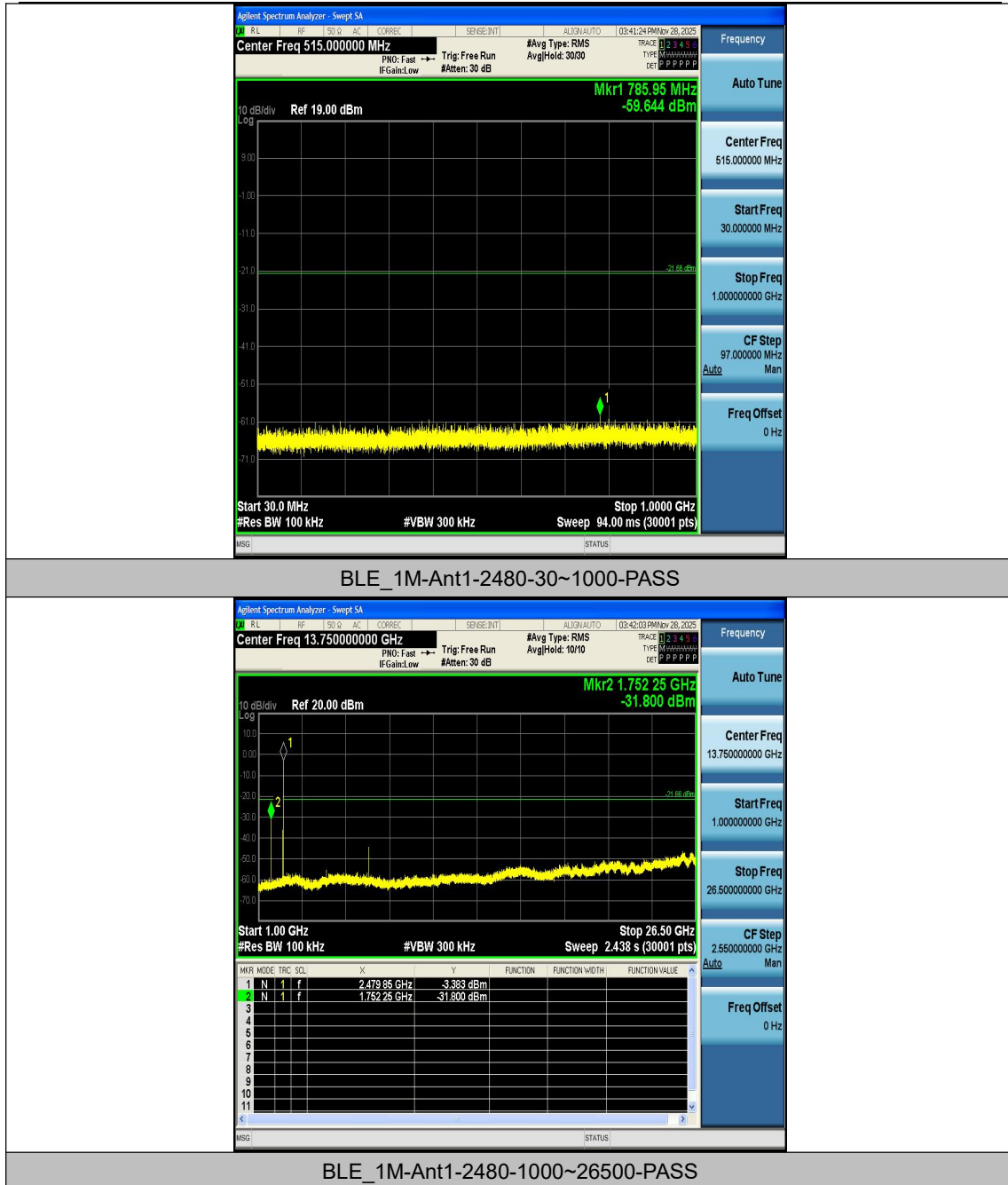


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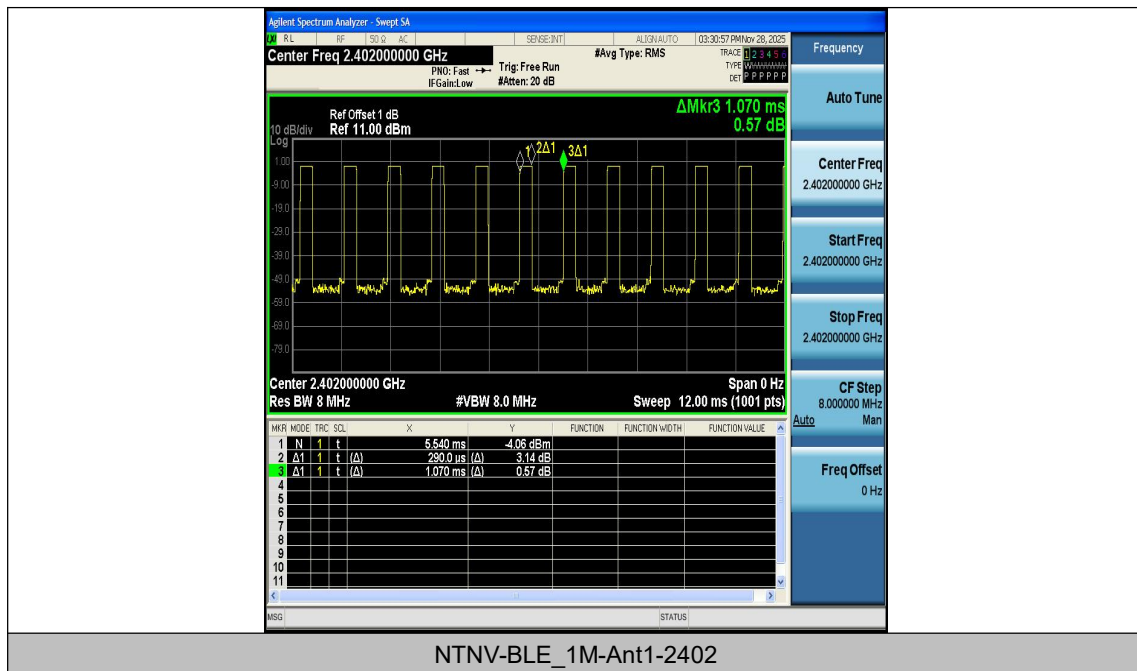
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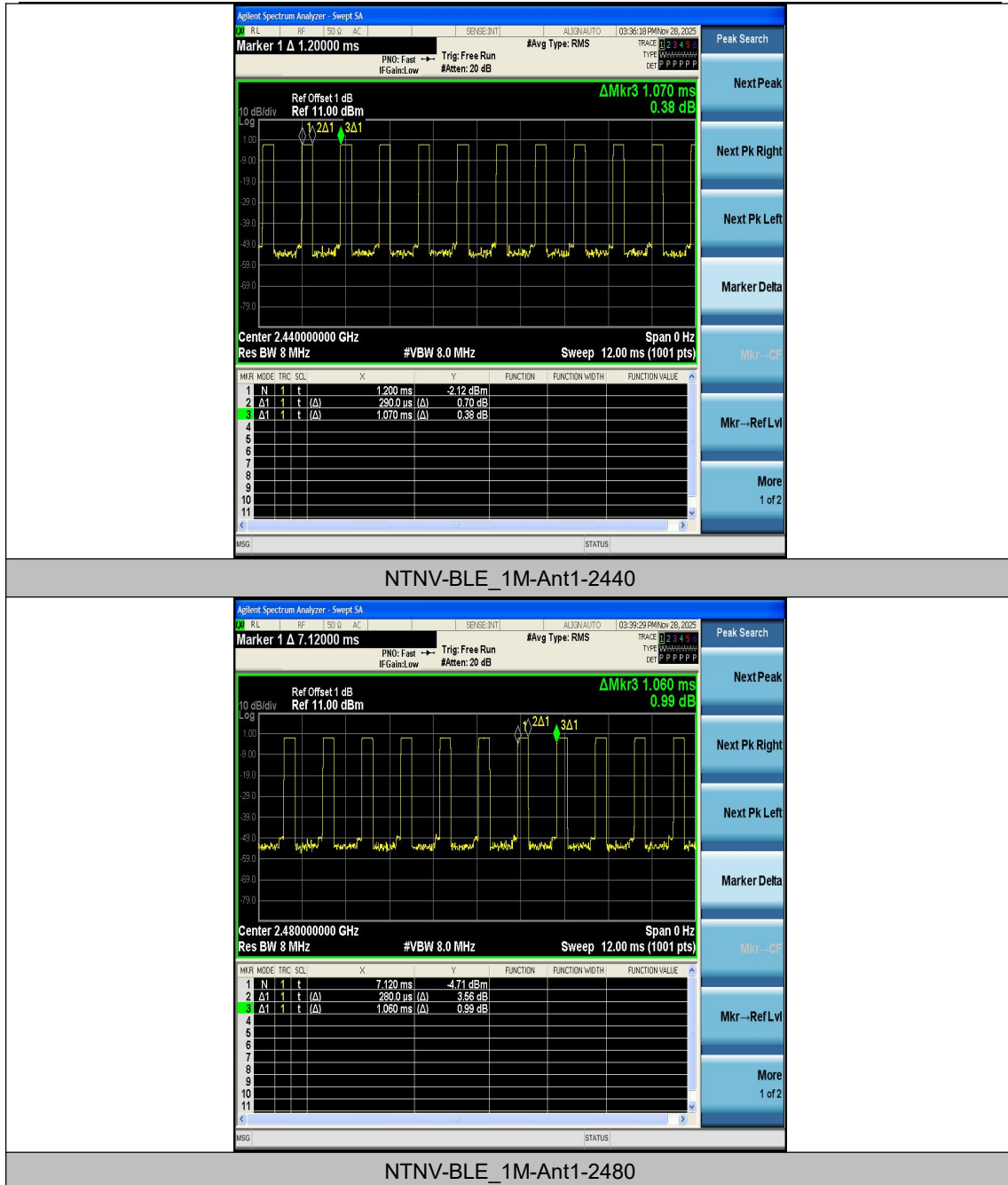
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.29	1.07	27.10	5.67
BLE_1M	Ant1	2440	0.29	1.07	27.10	5.67
BLE_1M	Ant1	2480	0.28	1.06	26.42	5.78

Test Graphs





---End---