

Appendix Test Data

Report No.:	18220WC40009901	Test Sample No.:	1-2-2
Start Test Date:	2024.2.4	Finish Test Date:	2024.2.5
Test Engineer:	<i>Joker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.5°C	Relative Humidity:	45%
Pressure:	101kPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.664	2401.660	2402.324	0.5	PASS
		2440	0.688	2439.656	2440.344	0.5	PASS
		2480	0.700	2479.628	2480.328	0.5	PASS

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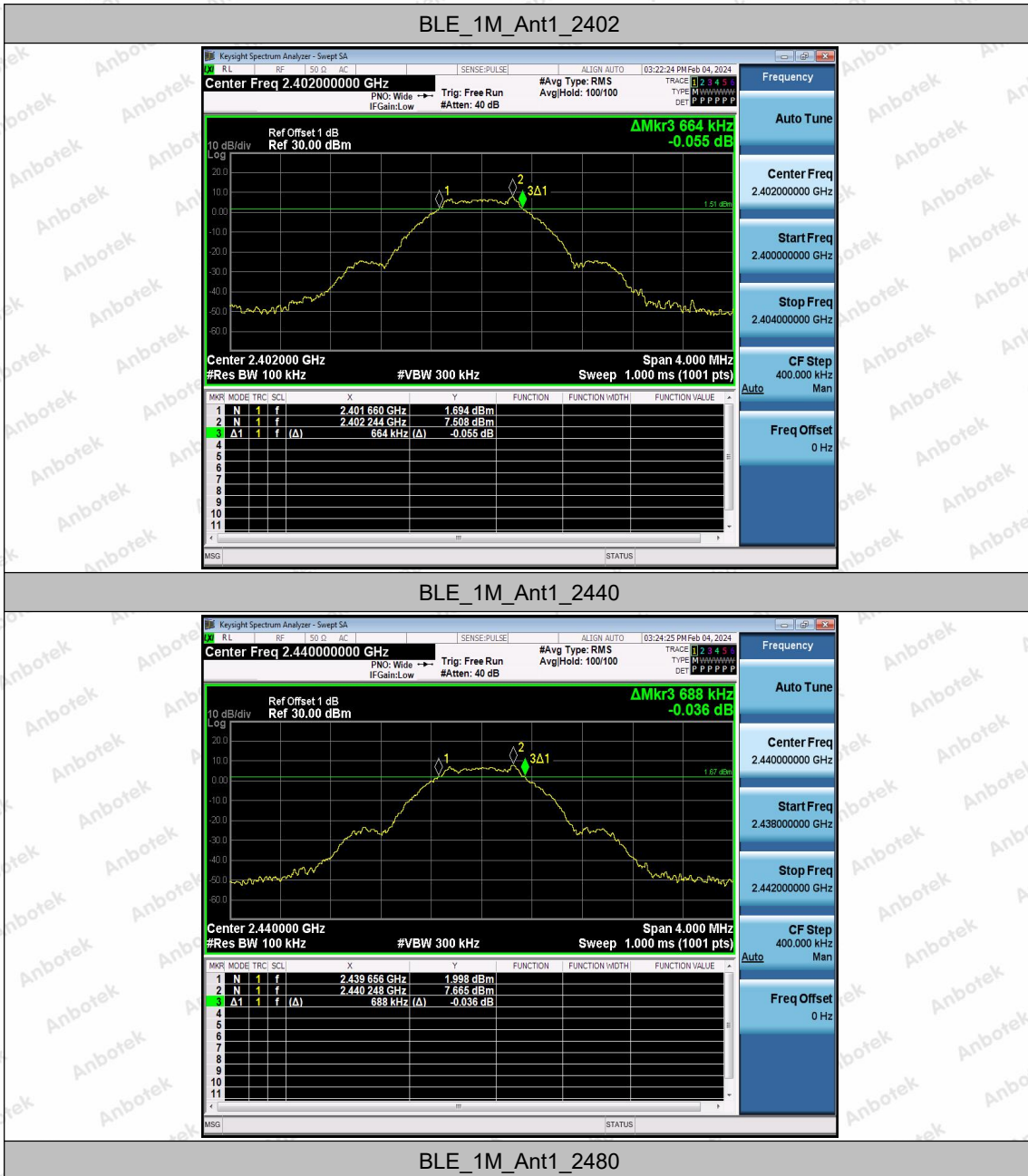
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Test Graphs

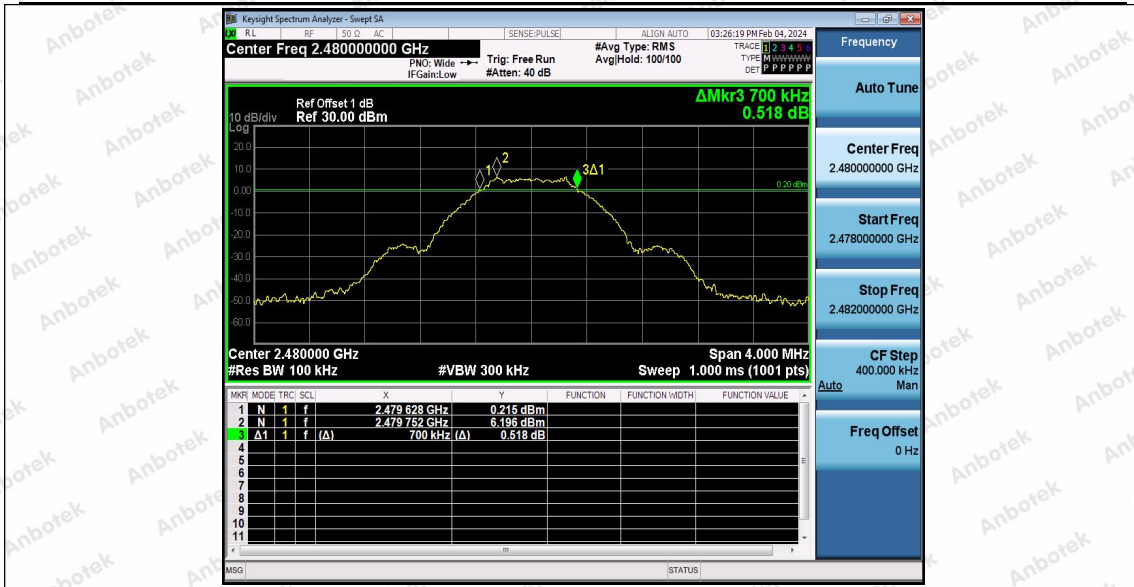


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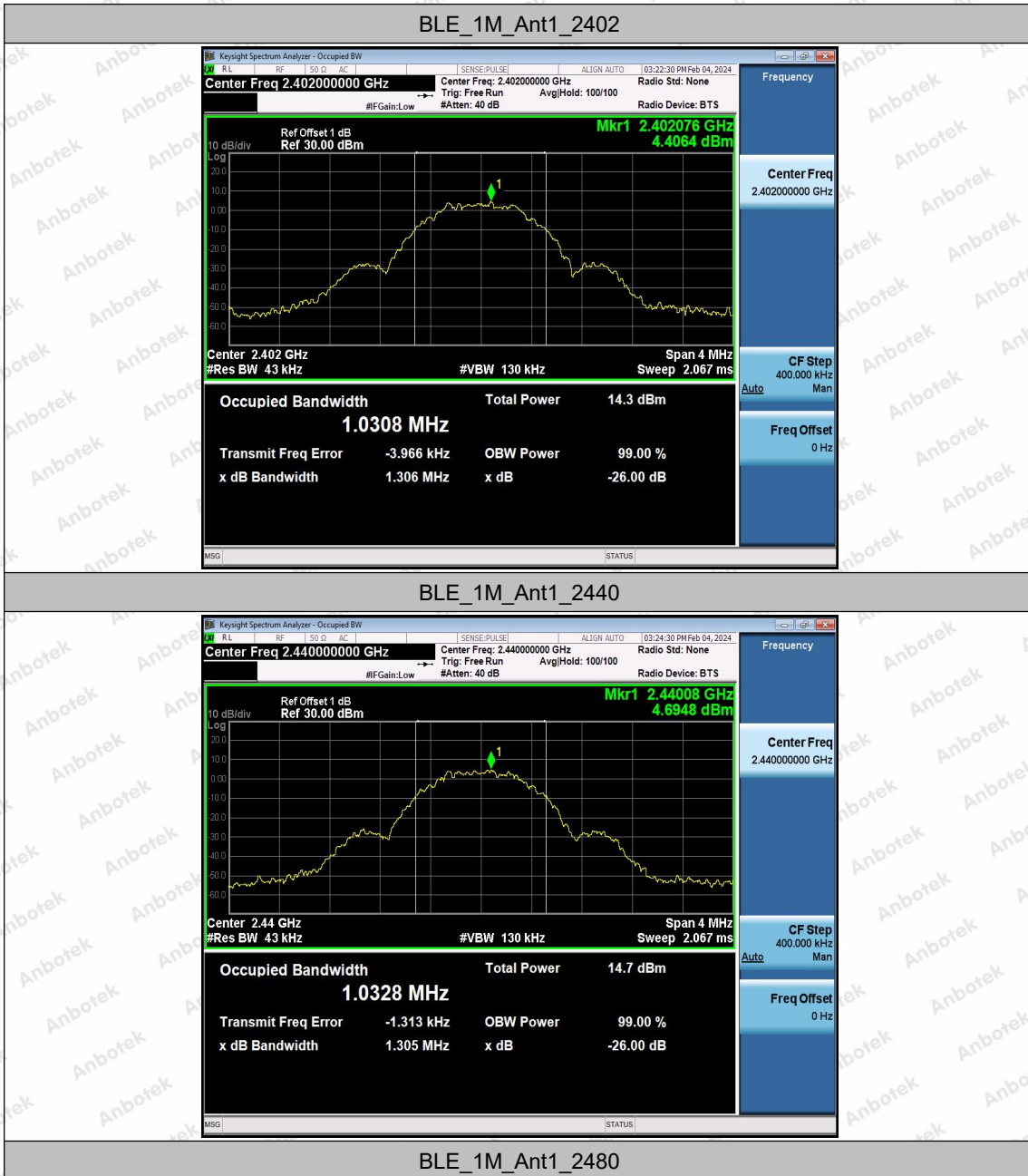
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0308	2401.4806	2402.5114
		2440	1.0328	2439.4823	2440.5151
		2480	1.0357	2479.4772	2480.5129



Test Graphs



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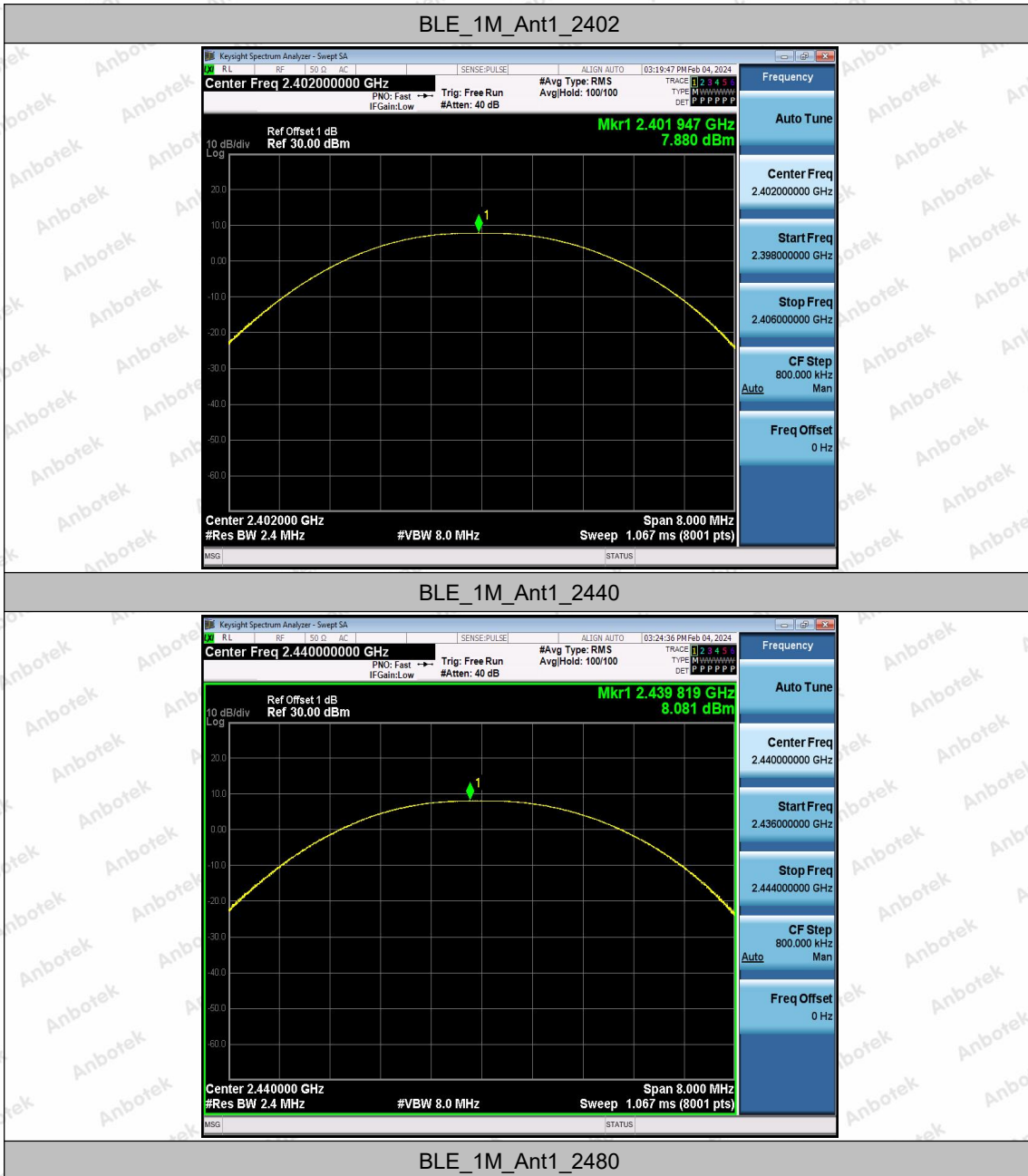
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	7.88	≤30	PASS
		2440	8.08	≤30	PASS
		2480	7.39	≤30	PASS



Test Graphs Peak

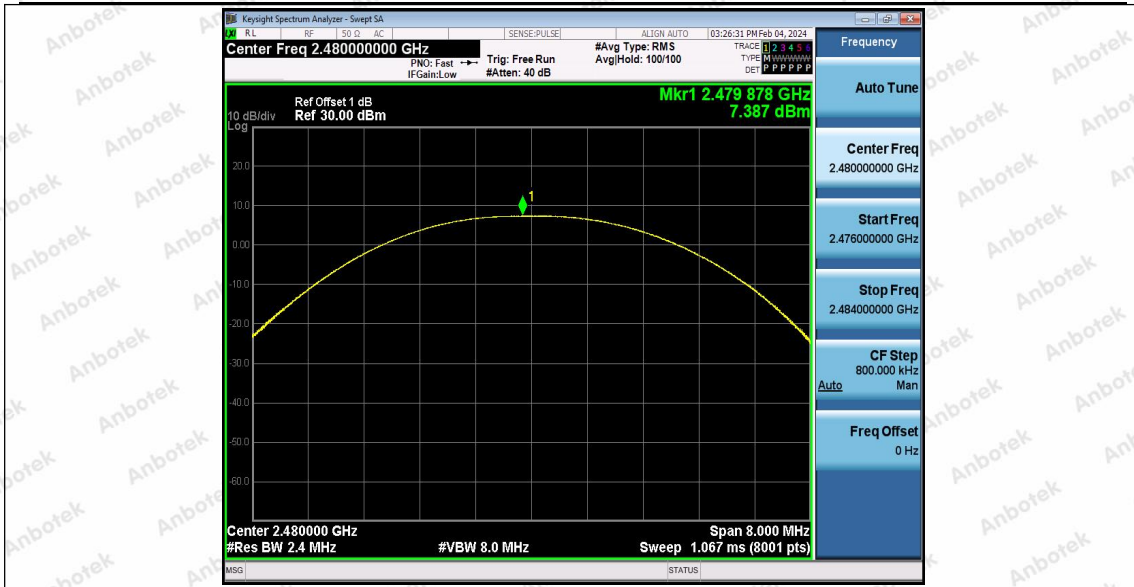


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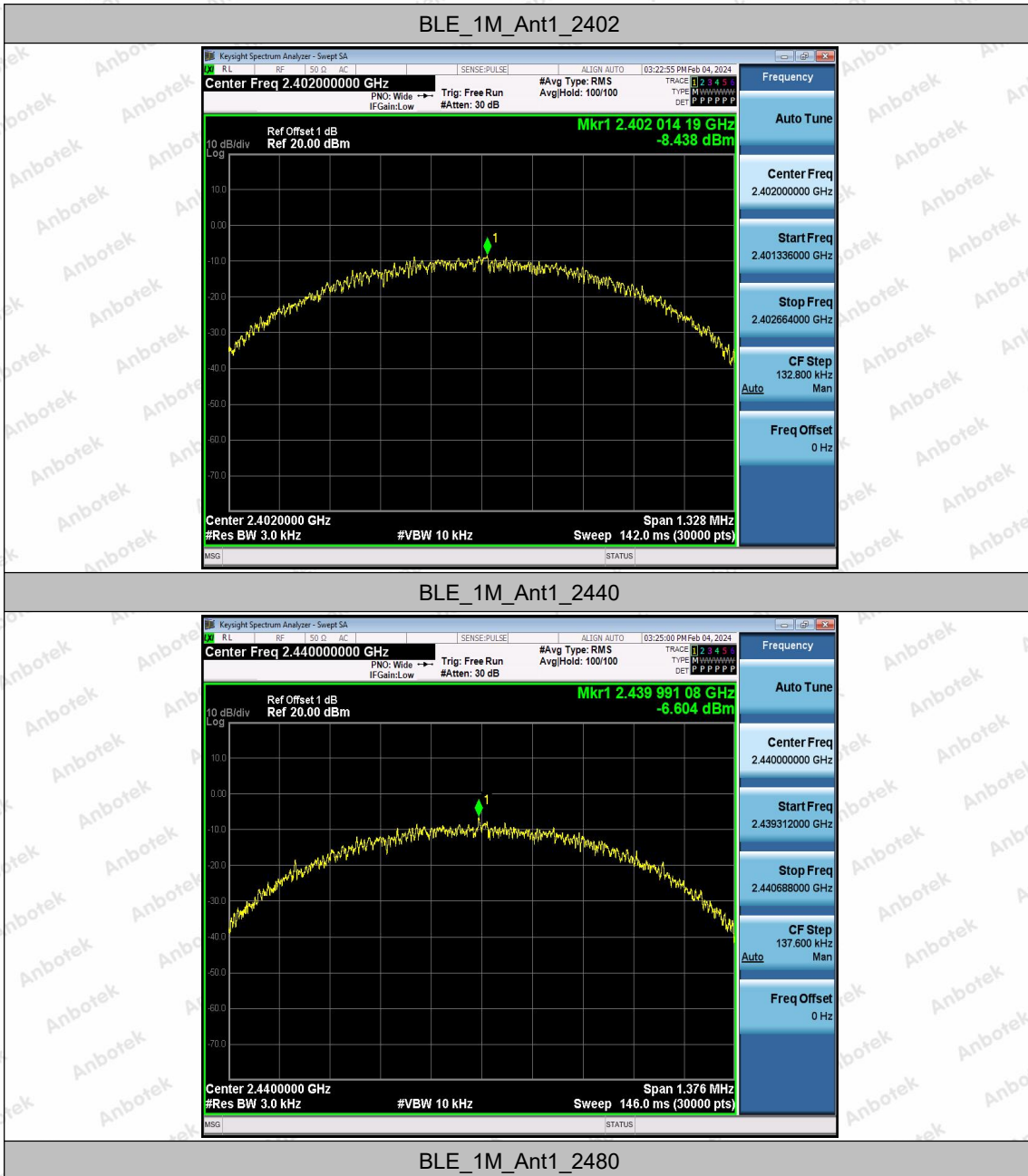
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-8.44	≤8.00	PASS
		2440	-6.60	≤8.00	PASS
		2480	-7.86	≤8.00	PASS



Test Graphs



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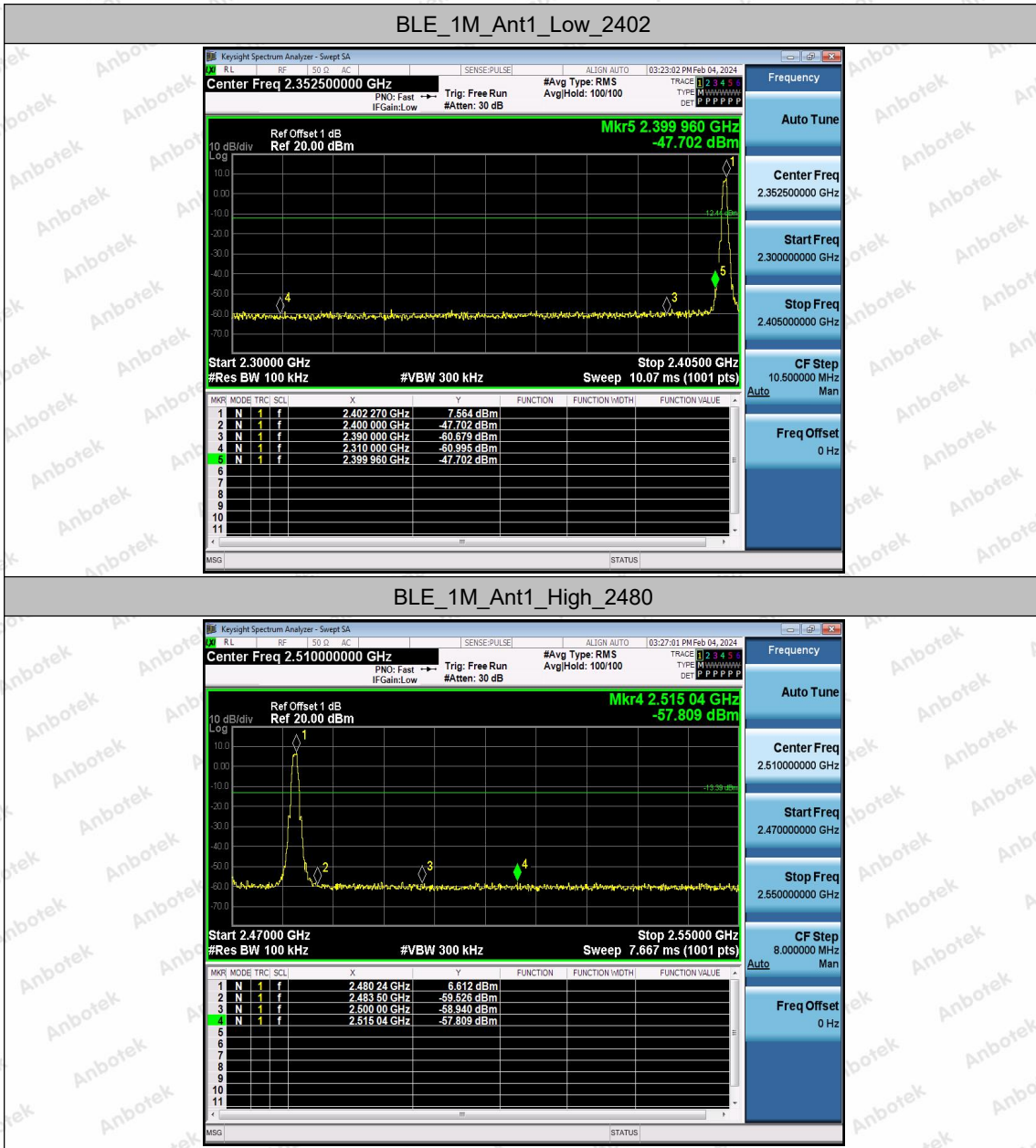
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	7.56	-47.7	≤-12.44	PASS
		High	2480	6.61	-57.81	≤-13.39	PASS



Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	6.73	6.73	---	PASS
			30~1000	6.73	-64.53	≤-13.27	PASS
			1000~26500	6.73	-42.33	≤-13.27	PASS
		2440	Reference	6.64	6.64	---	PASS
			30~1000	6.64	-65.97	≤-13.36	PASS
			1000~26500	6.64	-47.26	≤-13.36	PASS
		2480	Reference	6.01	6.01	---	PASS
			30~1000	6.01	-59.35	≤-13.99	PASS
			1000~26500	6.01	-54.05	≤-13.99	PASS

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Test Graphs

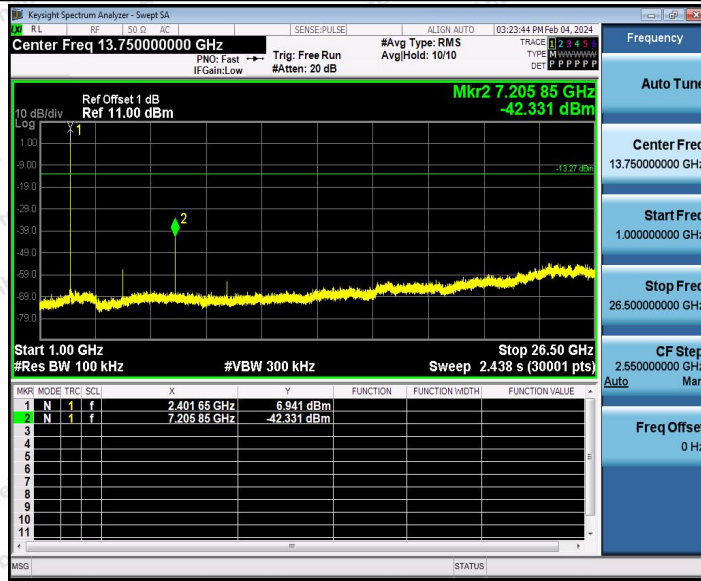


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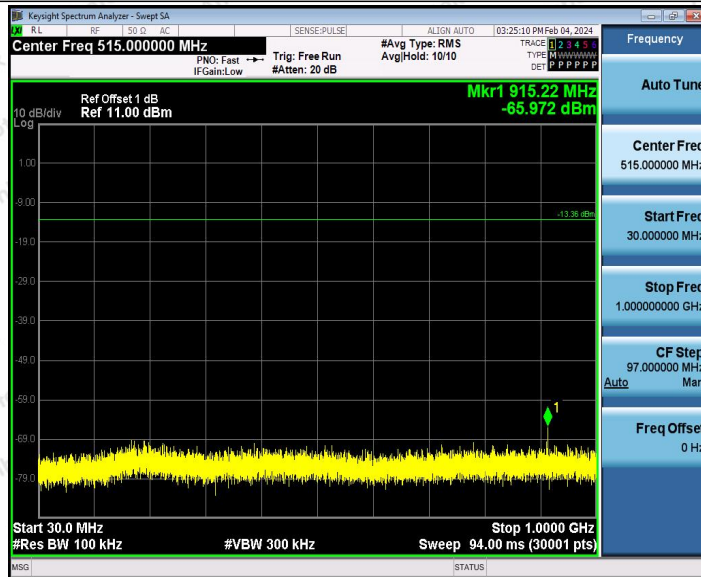




BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



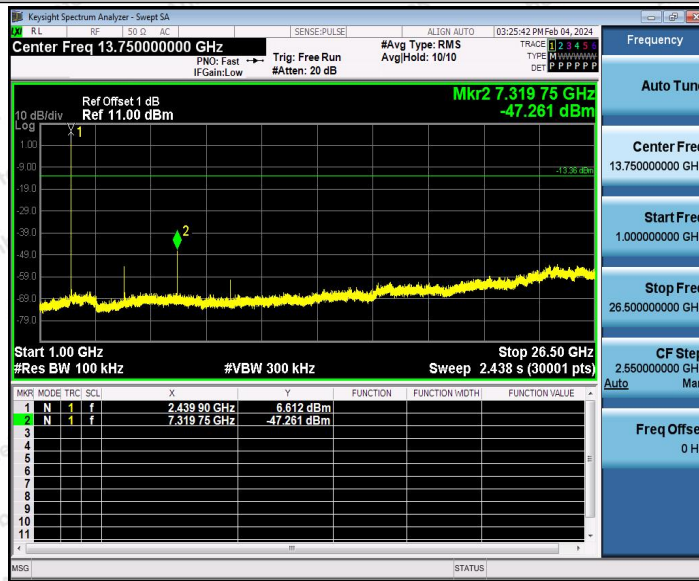
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



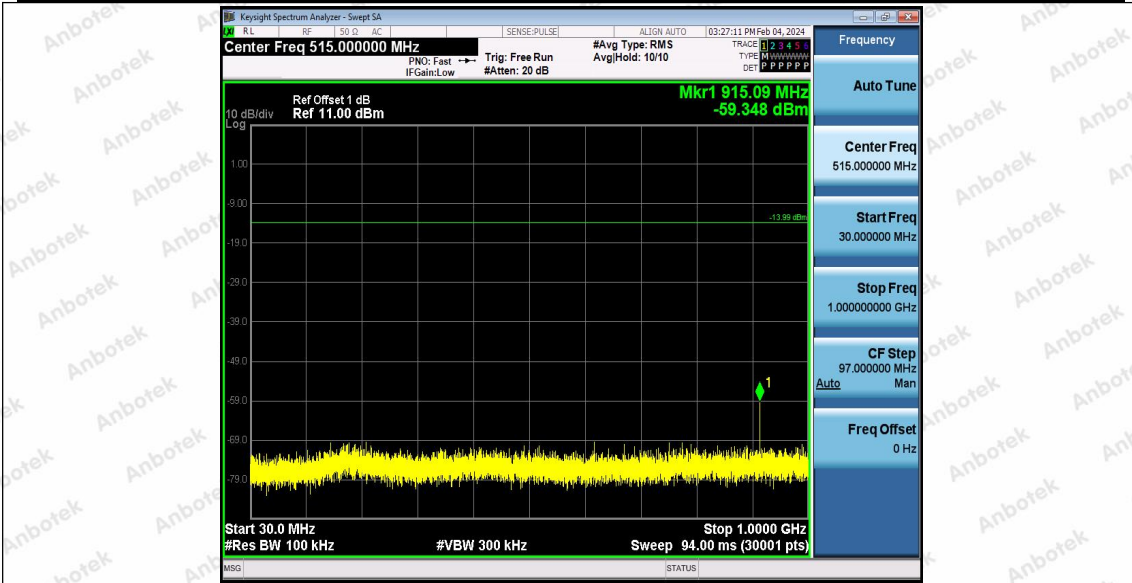
BLE_1M_Ant1_2480_30~1000

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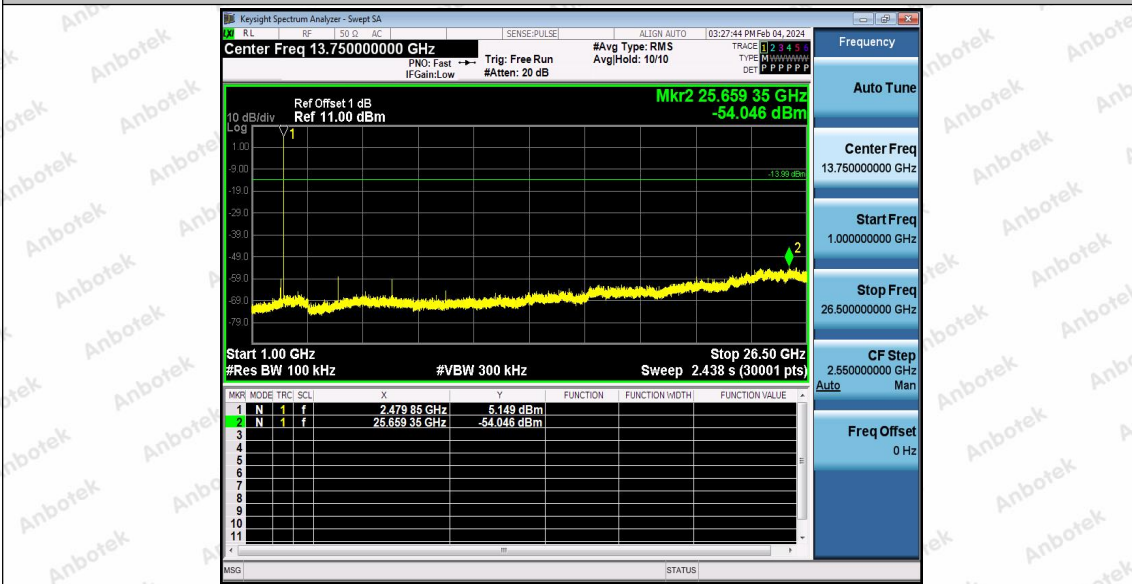
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BLE_1M_Ant1_2480_1000~26500



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Appendix G: Duty Cycle

Test Result

TestMode	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
		2440	2.13	2.50	85.20	0.70
		2480	2.13	2.50	85.20	0.70

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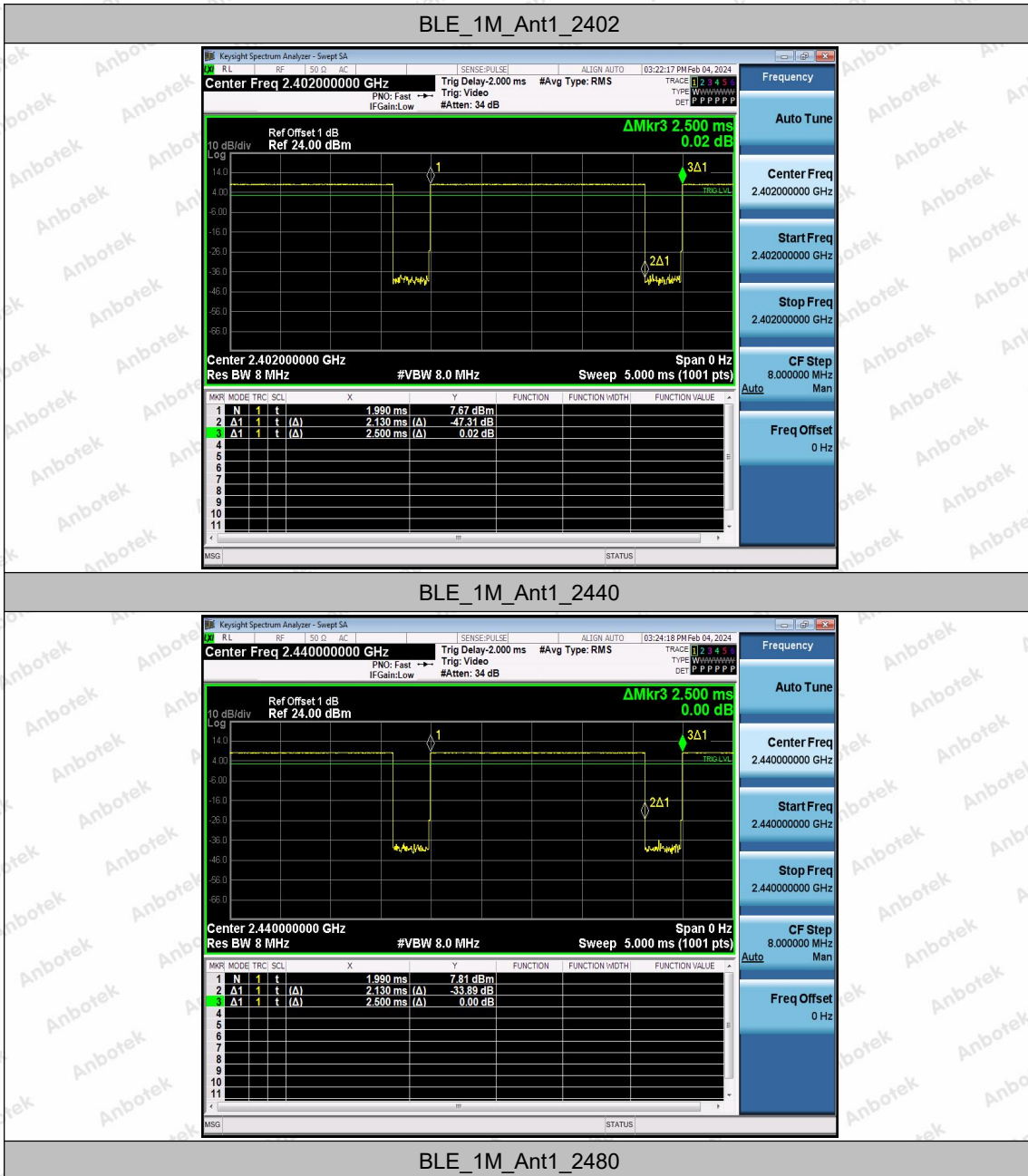
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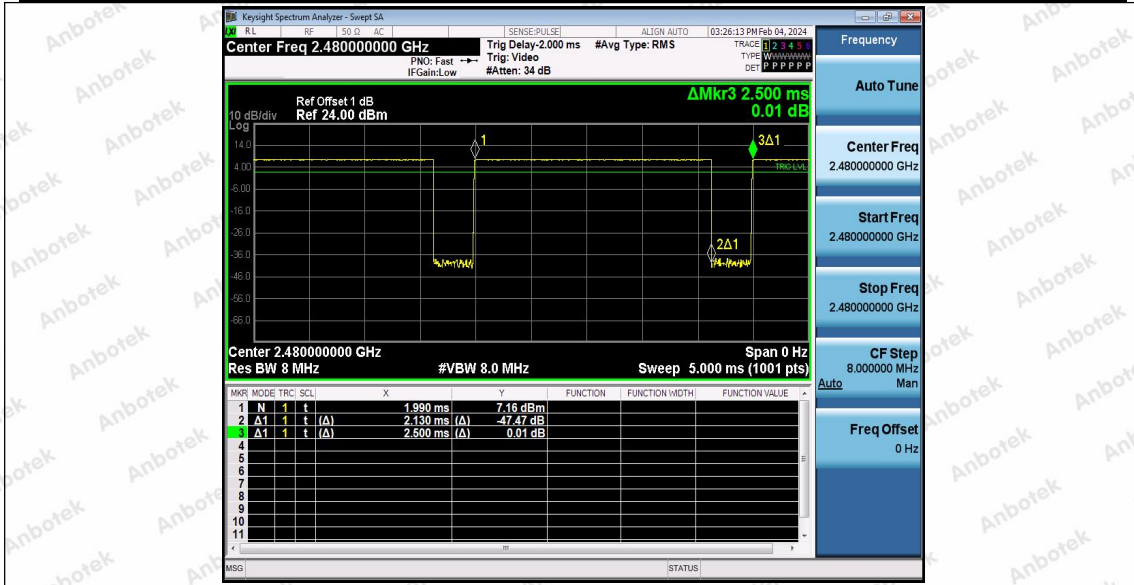


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Test Graphs





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