

Appendix Test Data

Report No.:	18360WC30002401	Test Sample No.:	1-2-2
Start Test Date:	2023.03.01	Finish Test Date:	2023.03.06
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	22.3C°	Relative Humidity:	44%
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.604	2401.716	2402.320	0.5	PASS
		2440	0.664	2439.684	2440.348	0.5	PASS
		2480	0.644	2479.692	2480.336	0.5	PASS



Test Graphs



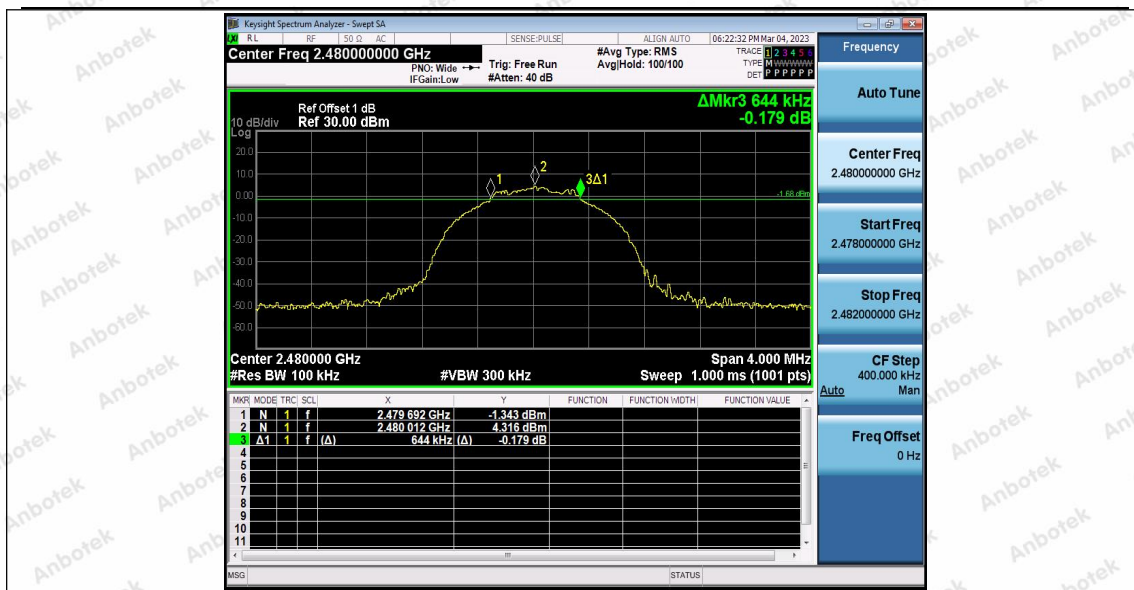
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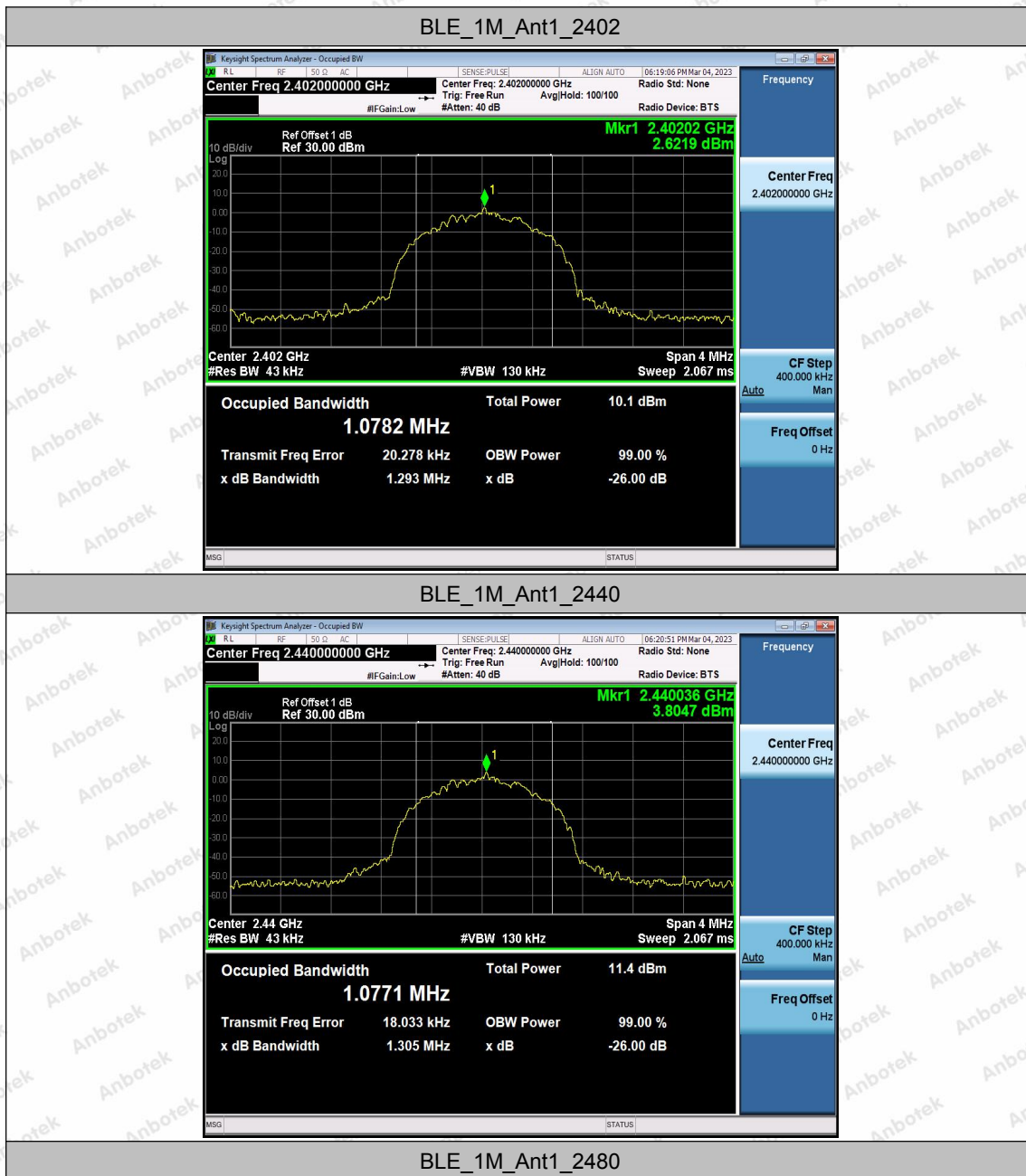
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0782	2401.4812	2402.5594
		2440	1.0771	2439.4795	2440.5566
		2480	1.0747	2479.4813	2480.5560



Test Graphs



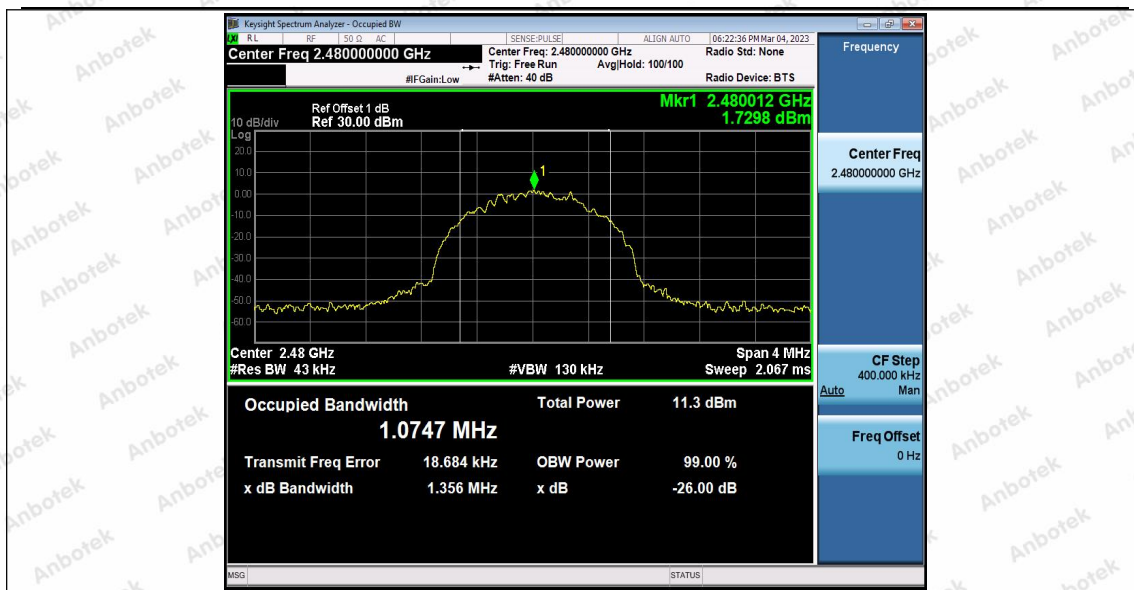
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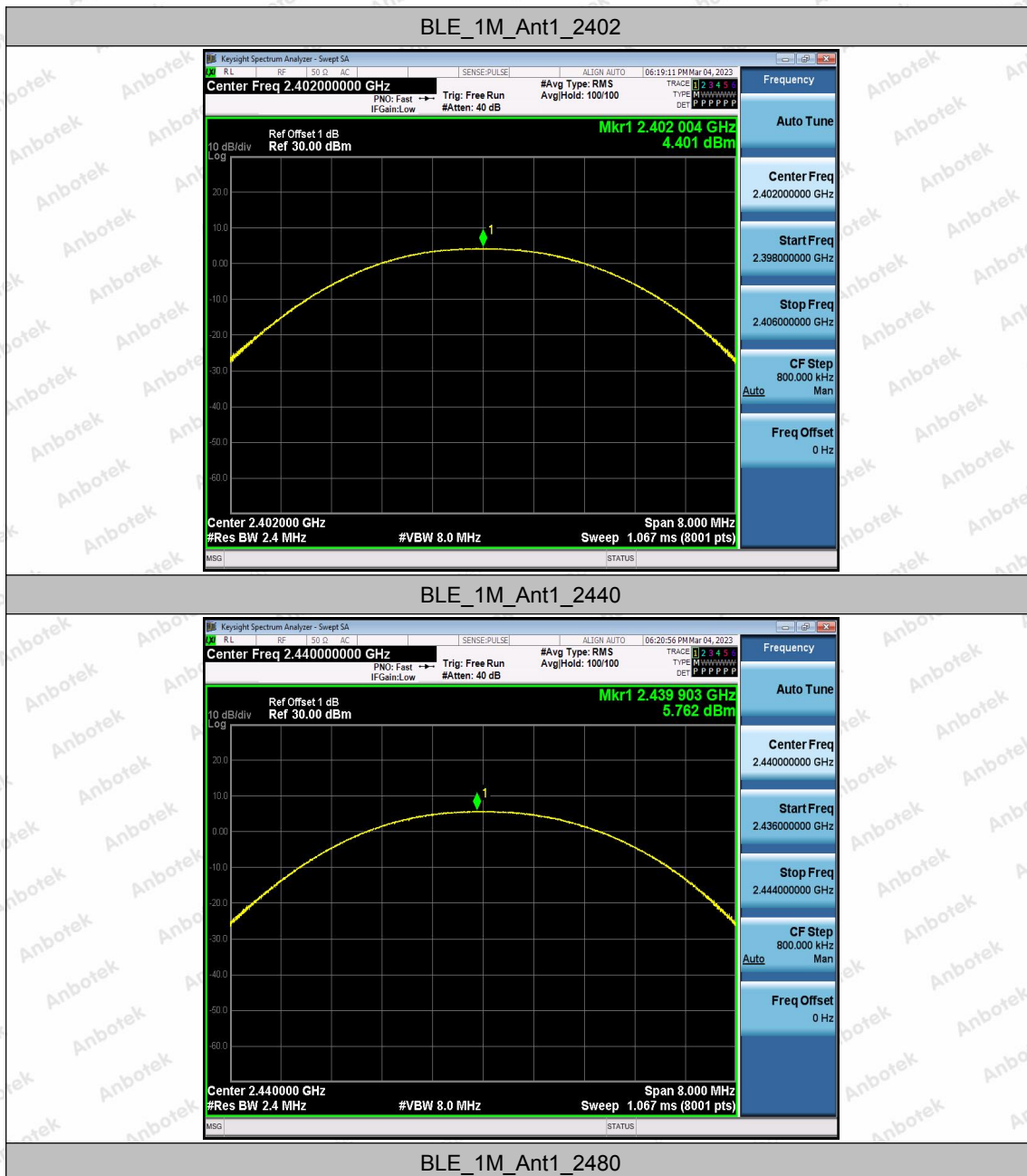
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	4.40	≤30	PASS
		2440	5.76	≤30	PASS
		2480	5.85	≤30	PASS



Test Graphs Peak



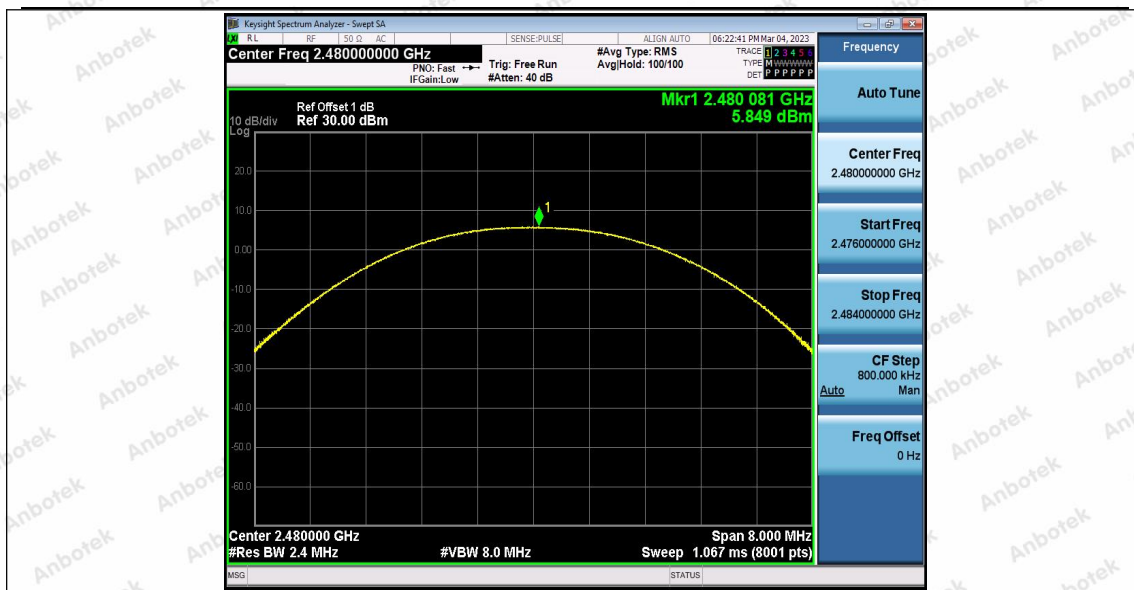
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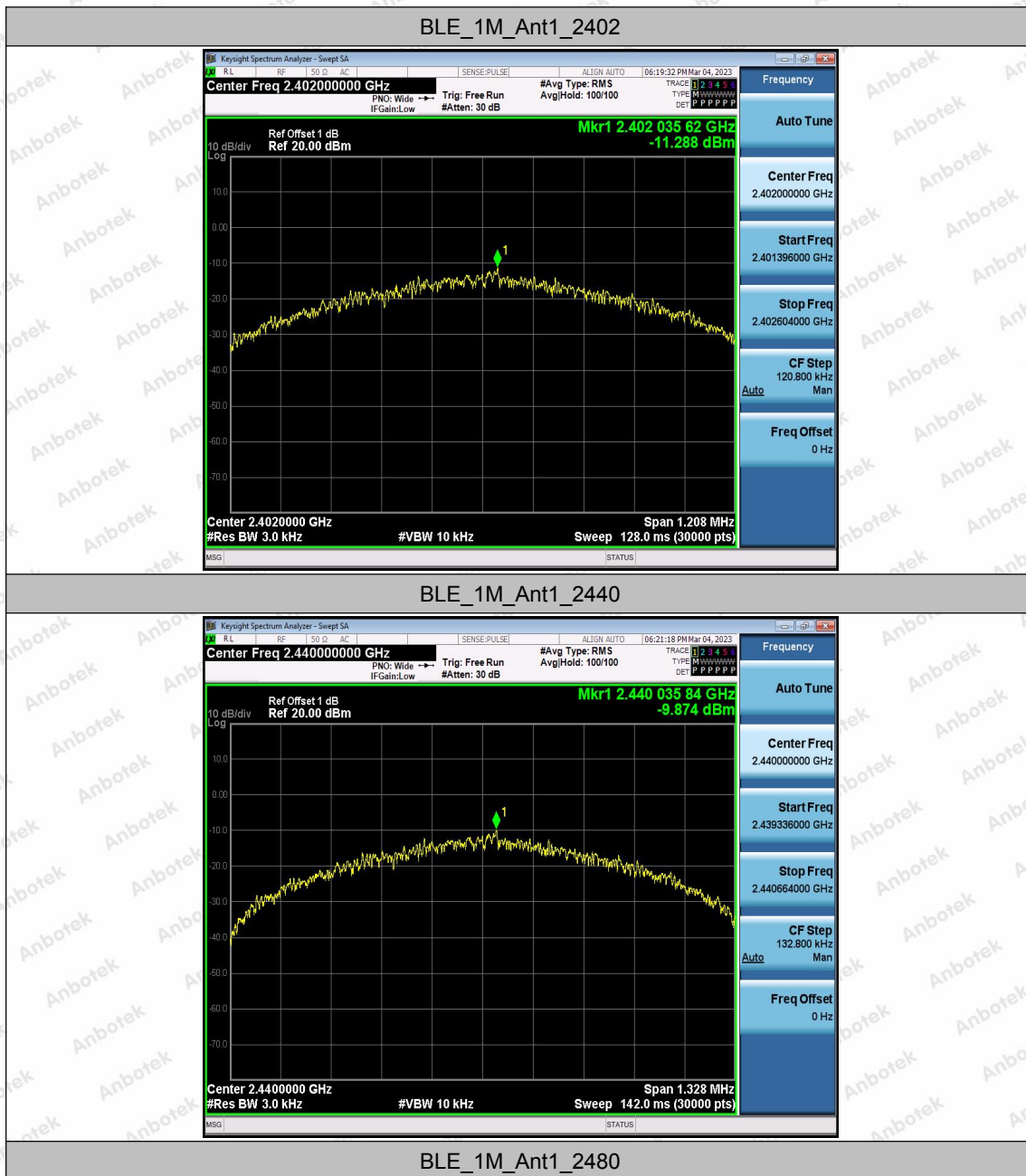
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-11.29	≤8.00	PASS
		2440	-9.87	≤8.00	PASS
		2480	-9.70	≤8.00	PASS



Test Graphs



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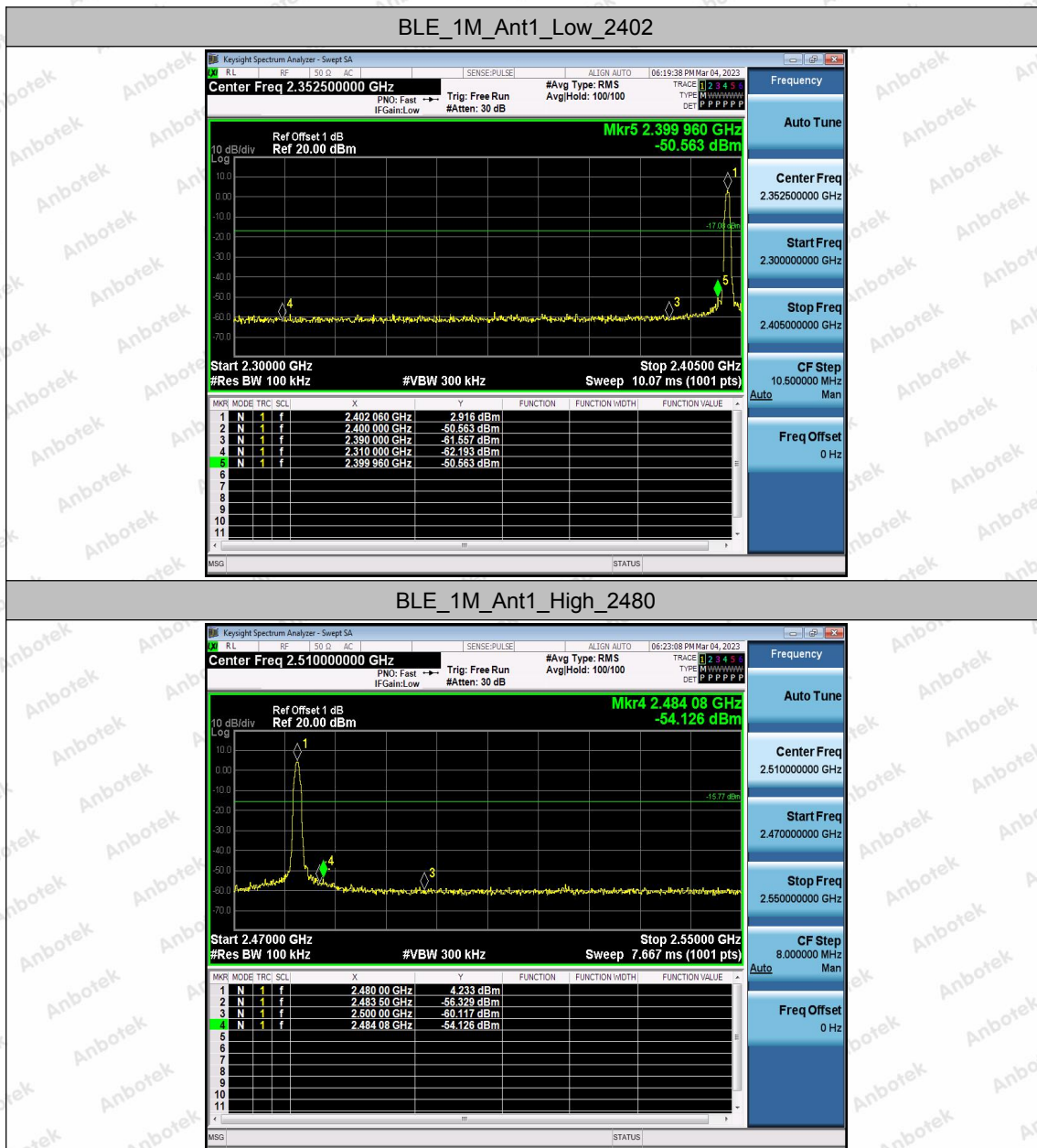
Appendix E: Band edge measurements

Test Result

TestMod e	Antenn a	ChNam e	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdic t
BLE_1M	Ant1	Low	2402	2.92	-50.56	≤-17.08	PASS
		High	2480	4.23	-54.13	≤-15.77	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	2.46	2.46	---	PASS
			30~1000	2.46	-69.2	≤-17.54	PASS
			1000~26500	2.46	-50.56	≤-17.54	PASS
		2440	Reference	3.38	3.38	---	PASS
			30~1000	3.38	-68.67	≤-16.62	PASS
			1000~26500	3.38	-53.34	≤-16.62	PASS
		2480	Reference	4.93	4.93	---	PASS
			30~1000	4.93	-67.27	≤-15.07	PASS
			1000~26500	4.93	-51.87	≤-15.07	PASS

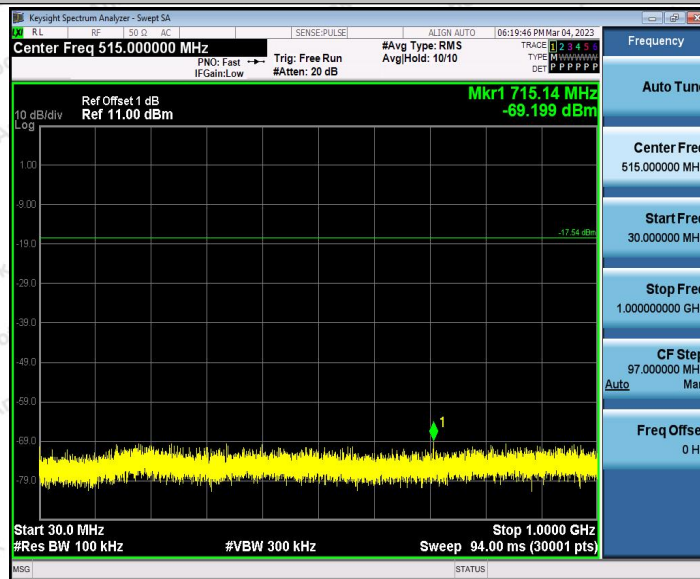


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

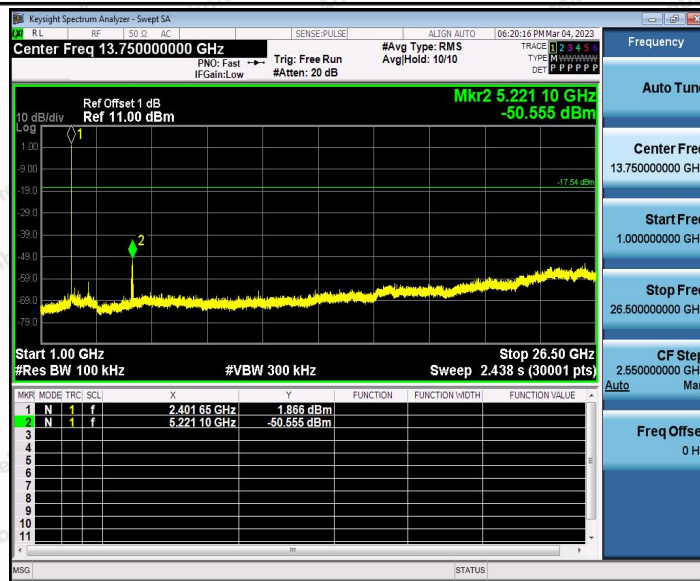
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000

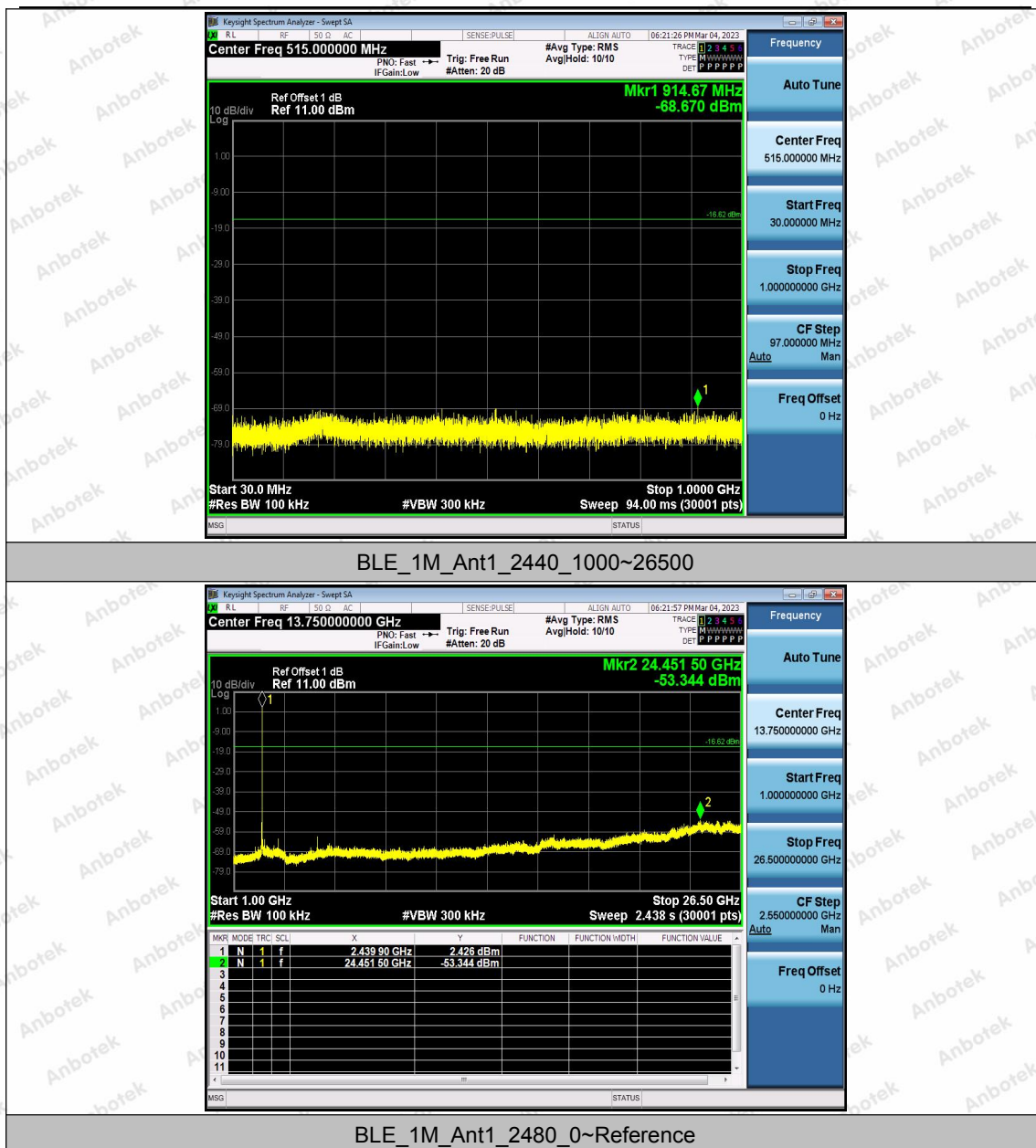
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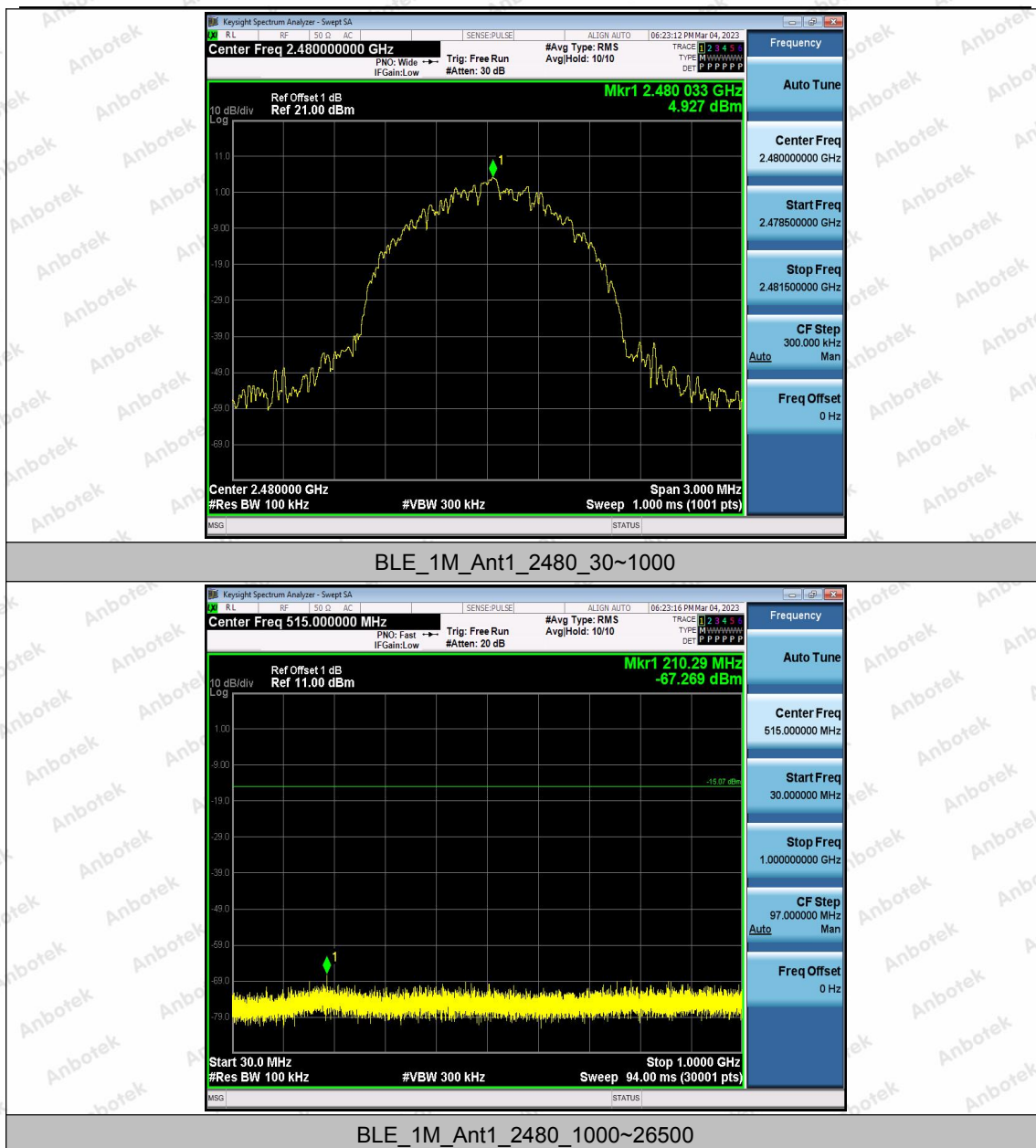
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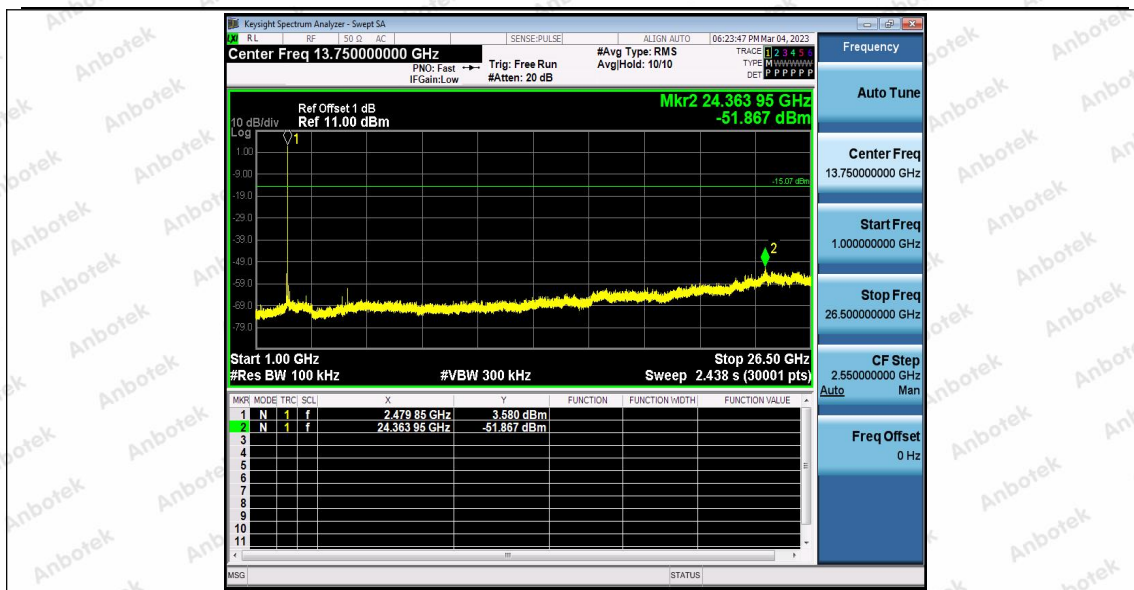
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Appendix G: Duty Cycle

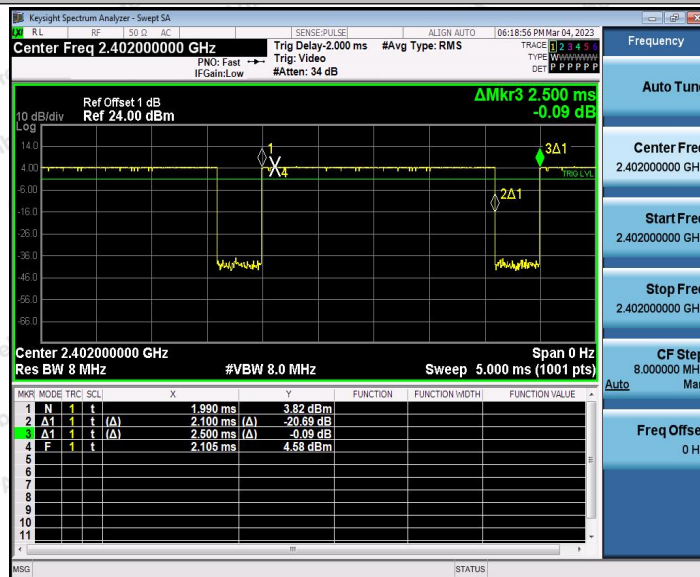
Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.10	2.50	84.00	0.76
		2440	2.10	2.50	84.00	0.76
		2480	2.10	2.50	84.00	0.76

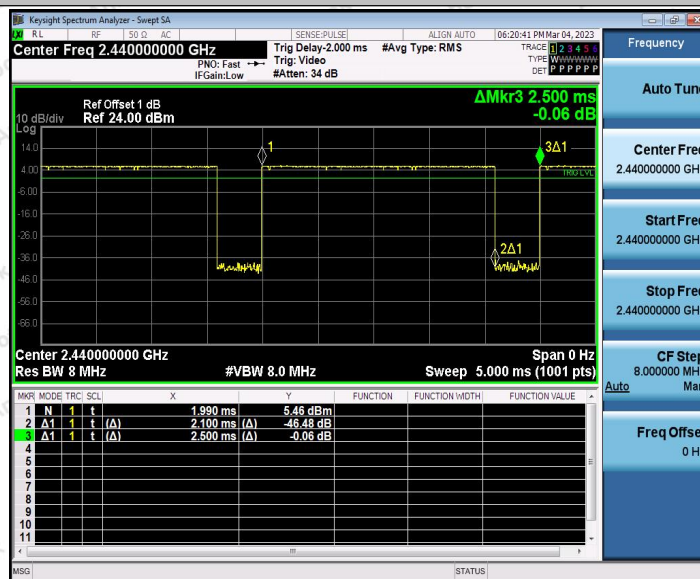


Test Graphs

BLE_1M_Ant1_2402

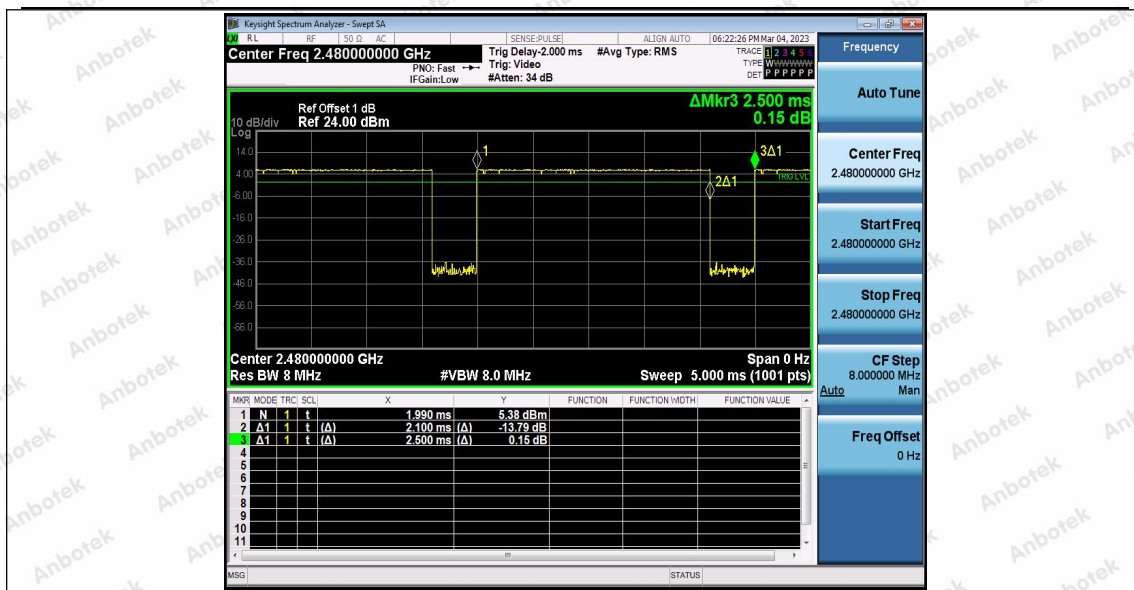


BLE_1M_Ant1_2440



BLE_1M_Ant1_2480





---End---

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