

Appendix Test Data

Report No.:	18220WC30027101	Test Sample No.:	1-2-2
Start Test Date:	2023.02.22	Finish Test Date:	2023.03.02
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	23.3°C	Relative Humidity:	44%
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.508	≥ 0.5	PASS
		2440	0.507	≥ 0.5	PASS
		2480	0.506	≥ 0.5	PASS

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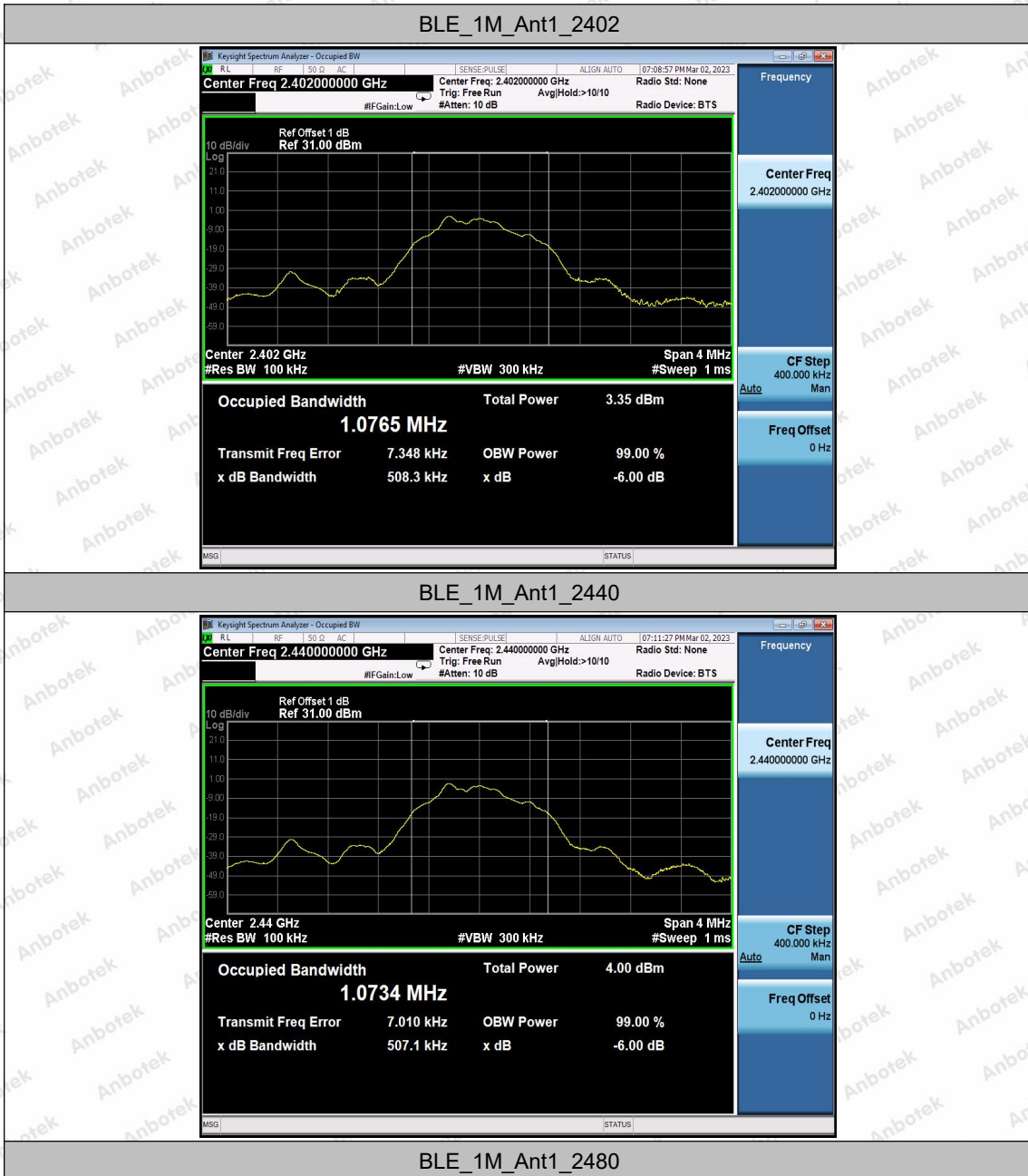
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Test Graphs





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Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0438	2401.4952	2402.5390
		2440	1.0431	2439.4919	2440.5350
		2480	1.0326	2479.4968	2480.5294

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Test Graphs



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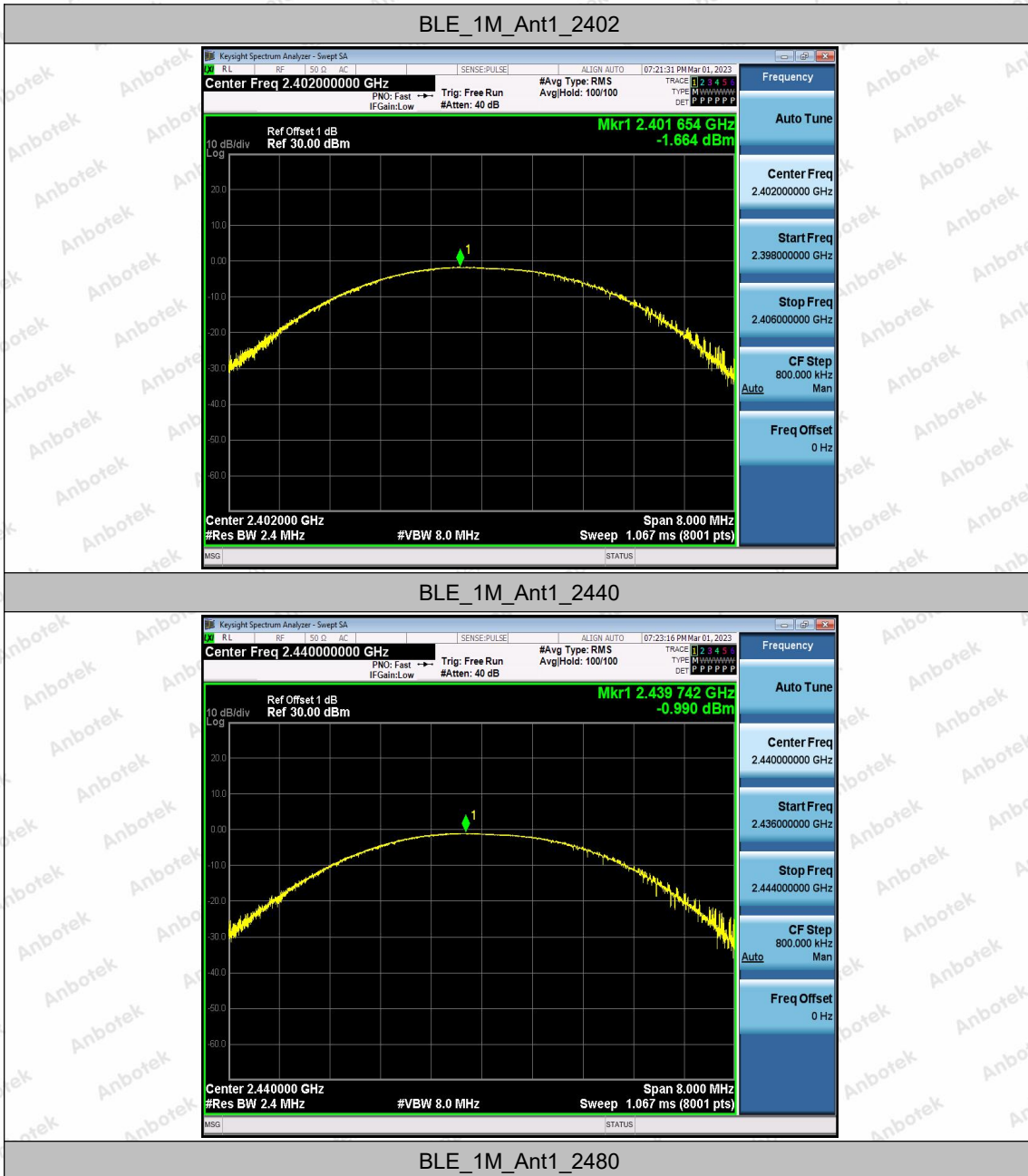
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-1.66	≤30	PASS
		2440	-0.99	≤30	PASS
		2480	-0.49	≤30	PASS



Test Graphs Peak



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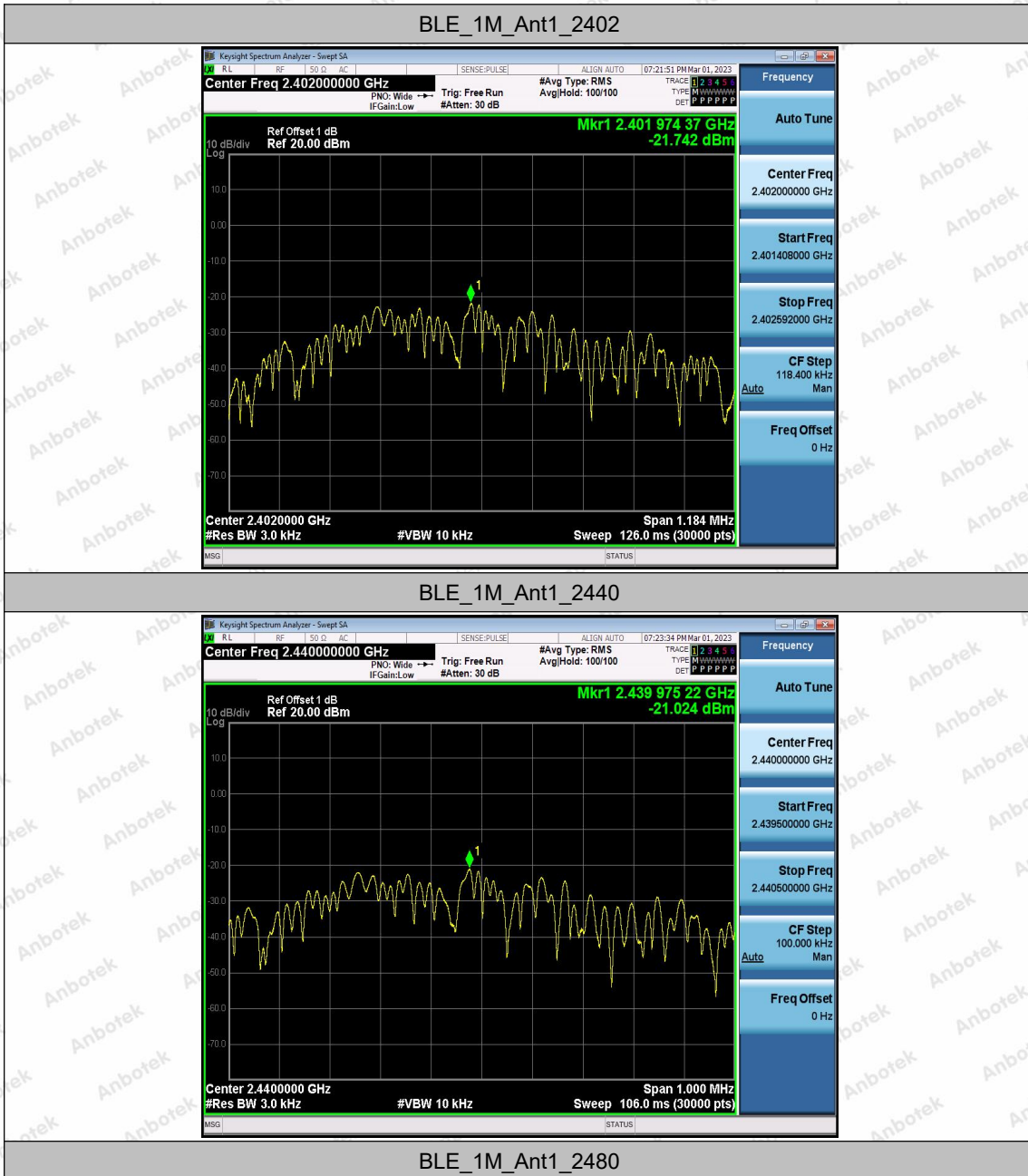
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-21.74	≤8.00	PASS
		2440	-21.02	≤8.00	PASS
		2480	-20.49	≤8.00	PASS



Test Graphs



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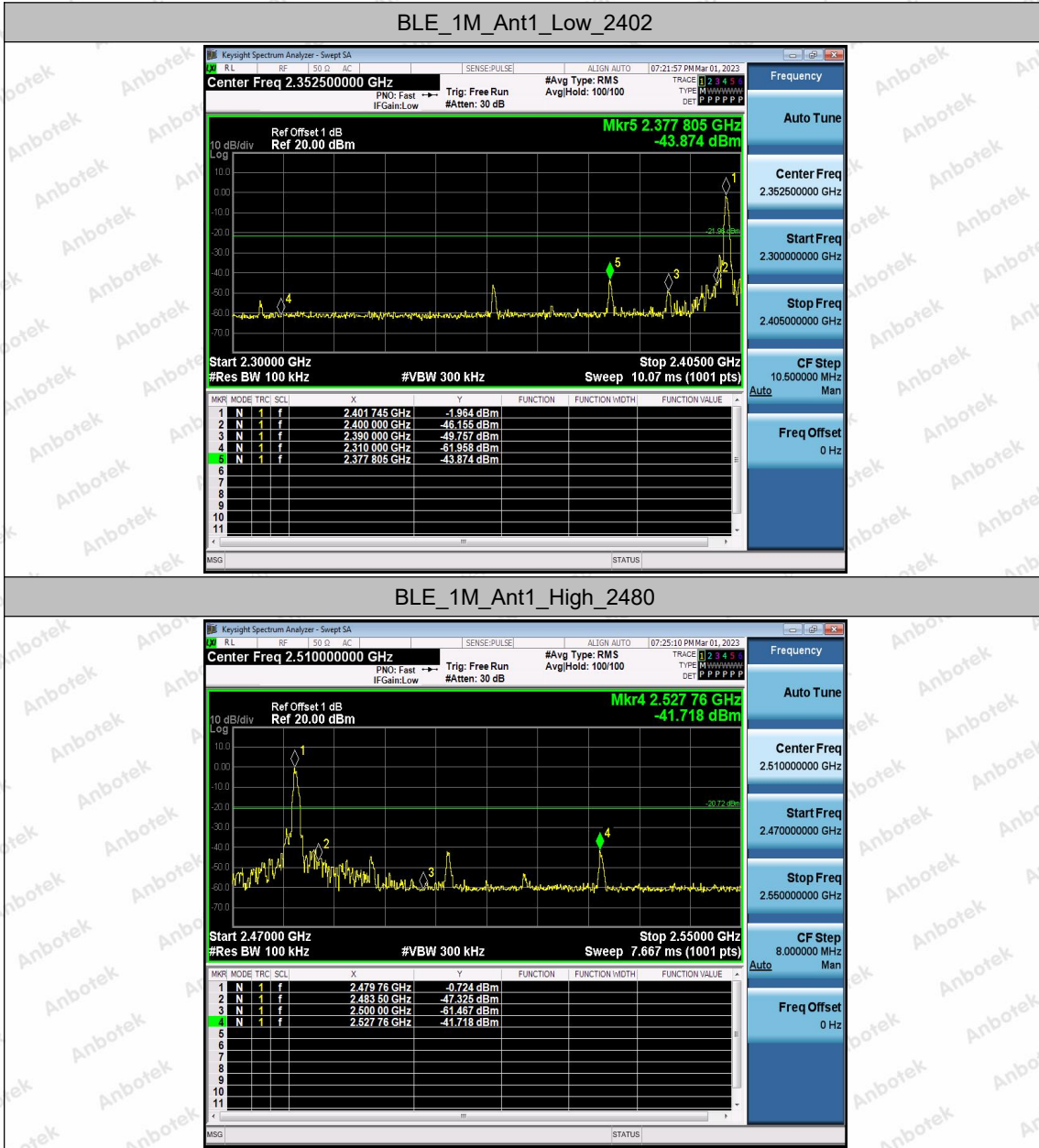
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.96	-43.87	≤-21.96	PASS
		High	2480	-0.72	-41.72	≤-20.72	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	-2.02	-2.02	---	PASS
			30~1000	-2.02	-66.96	≤-22.02	PASS
			1000~26500	-2.02	-52.26	≤-22.02	PASS
		2440	Reference	-2.27	-2.27	---	PASS
			30~1000	-2.27	-68.72	≤-22.27	PASS
			1000~26500	-2.27	-49.9	≤-22.27	PASS
		2480	Reference	-1.85	-1.85	---	PASS
			30~1000	-1.85	-68.71	≤-21.85	PASS
			1000~26500	-1.85	-52.46	≤-21.85	PASS

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Test Graphs

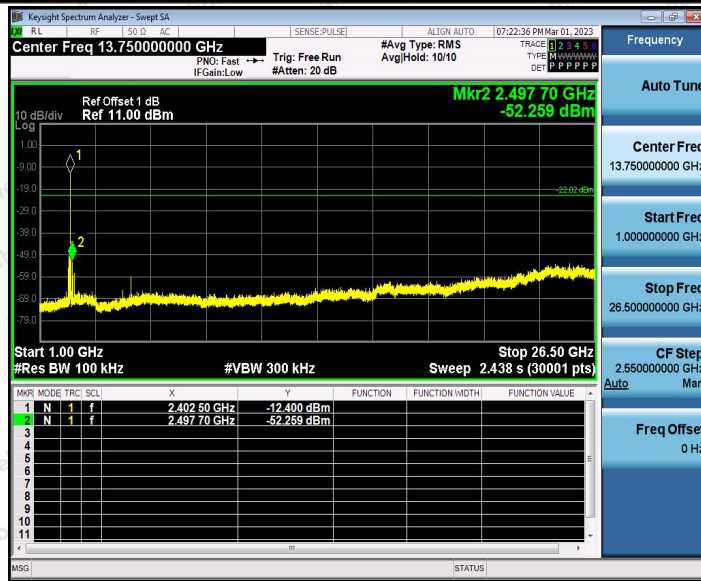


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BLE_1M_Ant1_2440_0~Reference



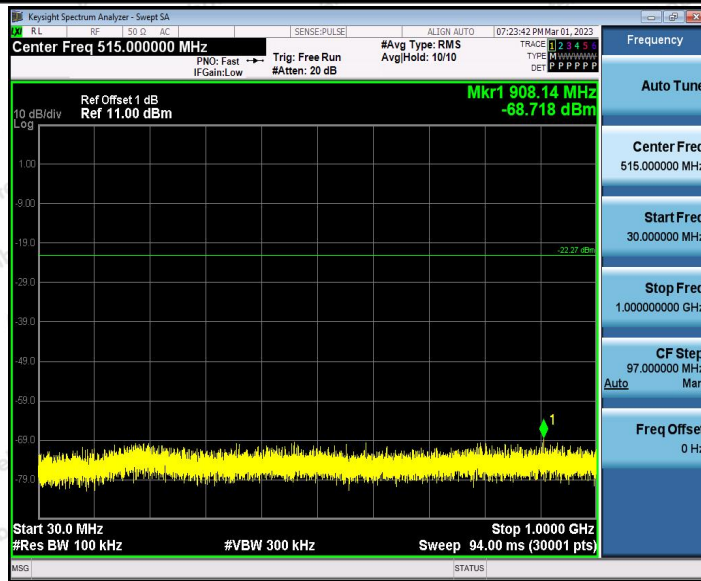
BLE_1M_Ant1_2440_30~1000

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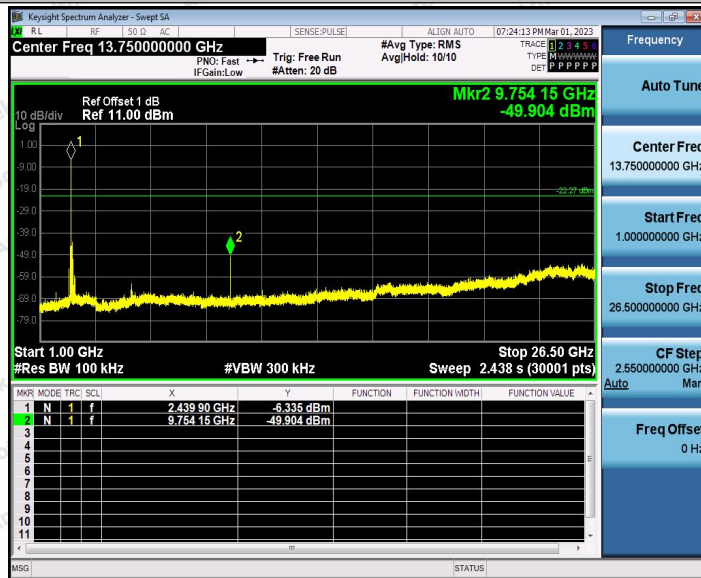
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

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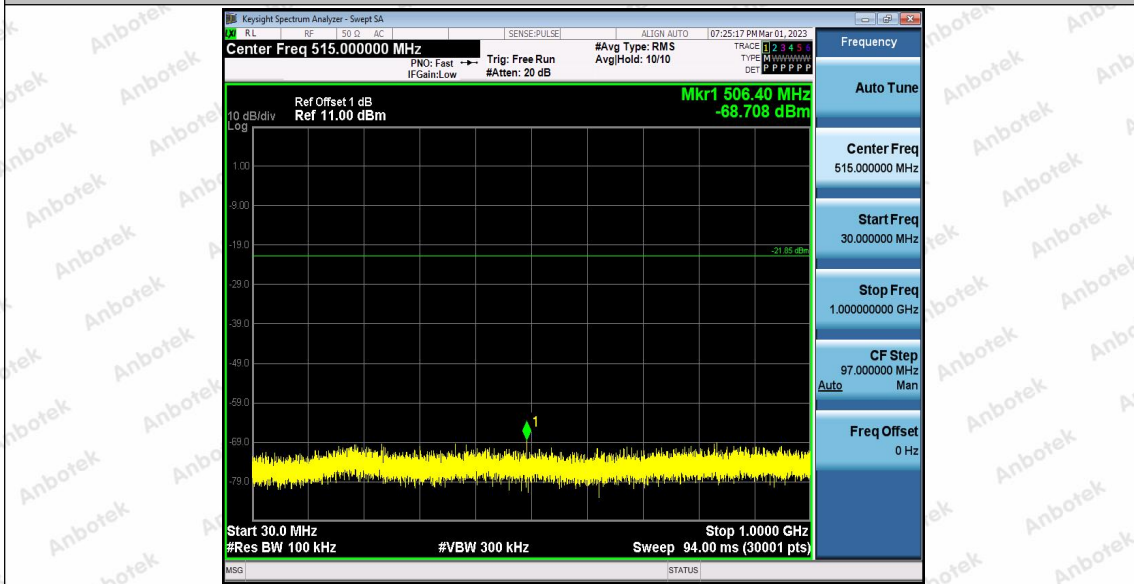
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BLE_1M_Ant1_2480_30~1000



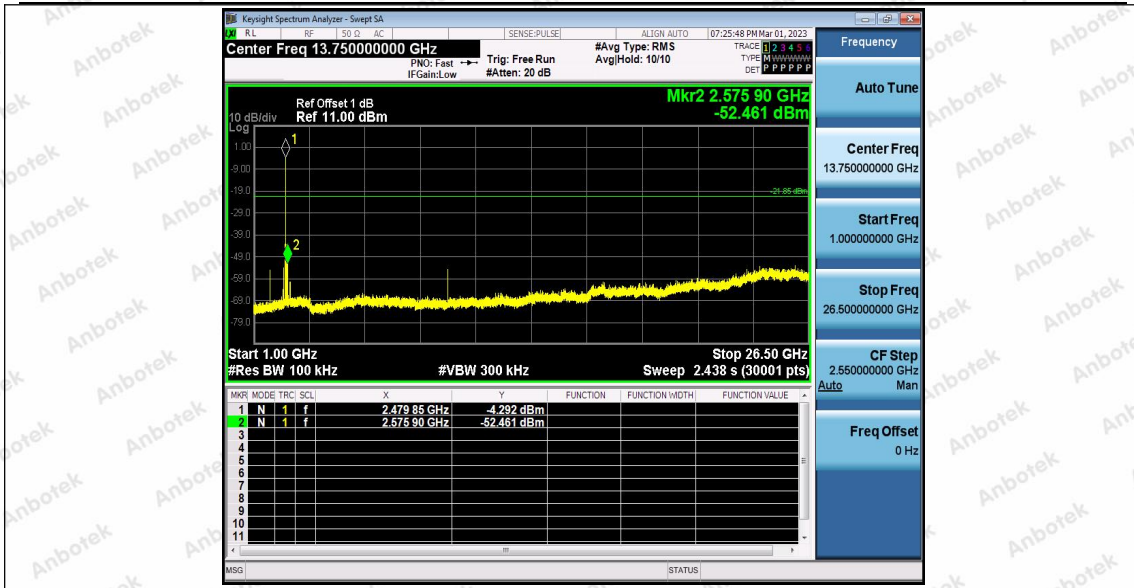
BLE_1M_Ant1_2480_1000~26500

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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	0.09	0.62	14.52	8.38
		2440	0.09	0.62	14.52	8.38
		2480	0.09	0.63	14.29	8.45

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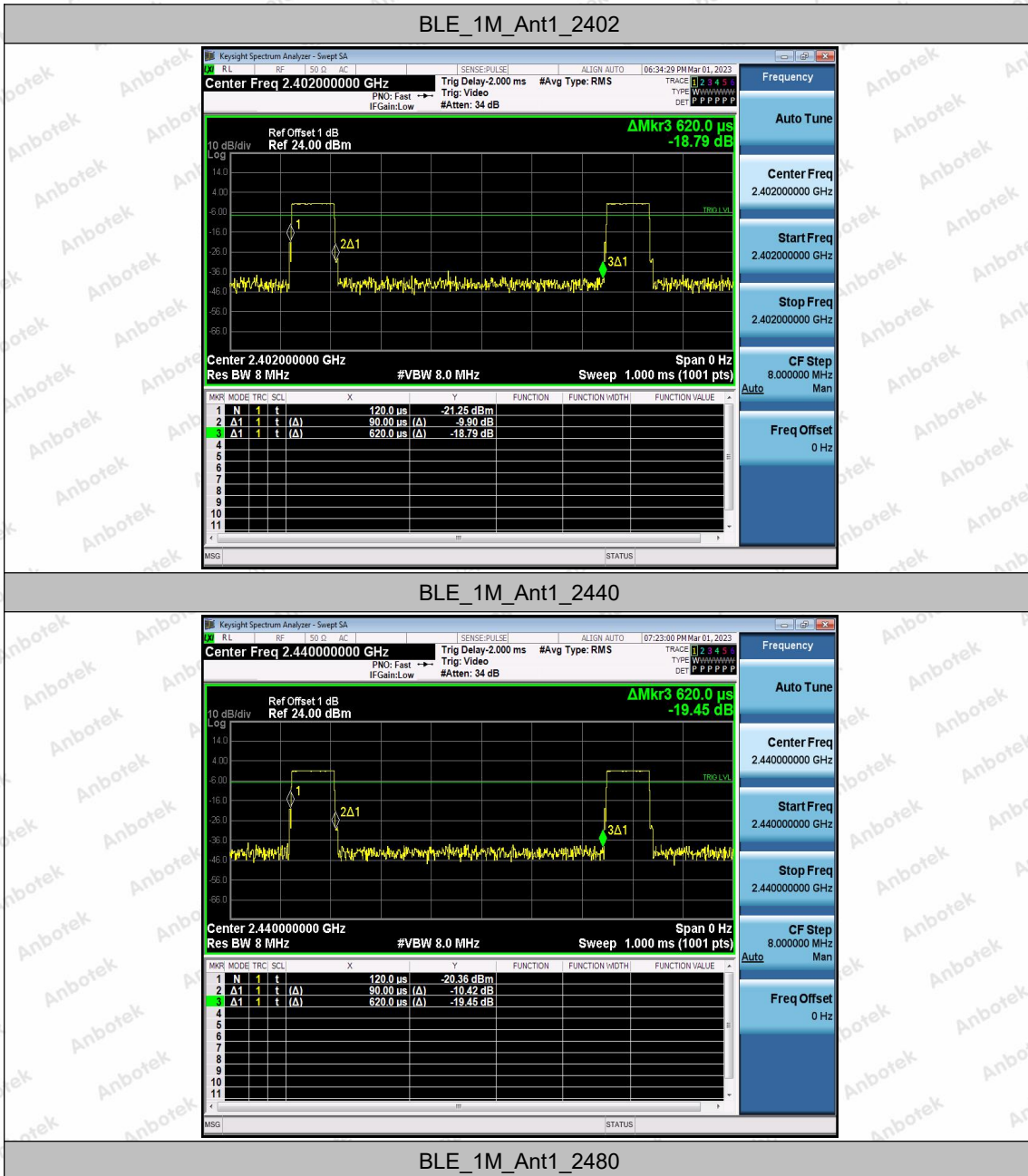
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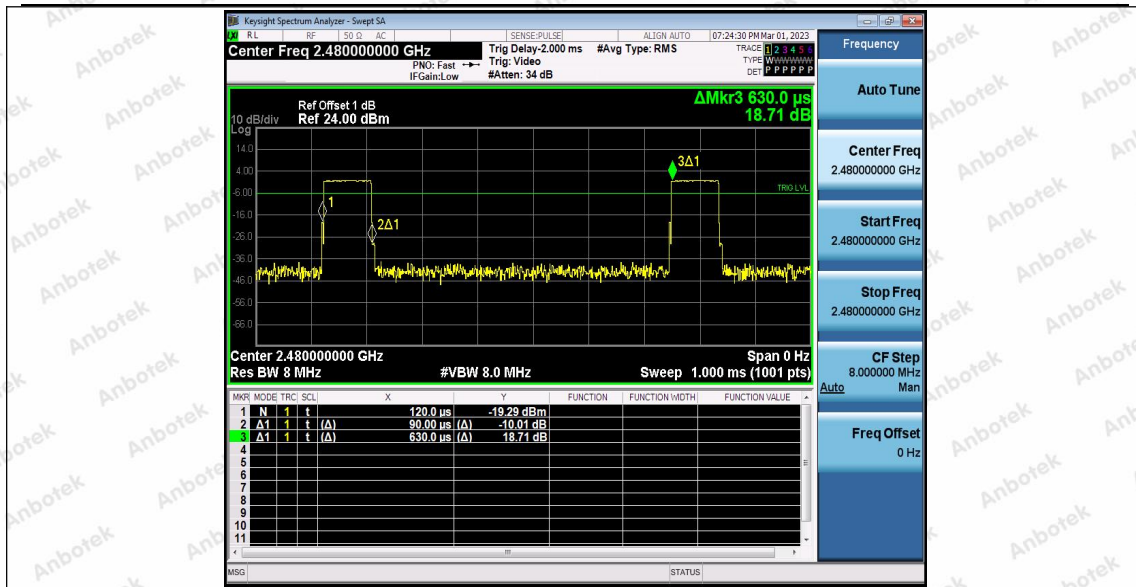


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