

Appendix Test Data

Report No.:	18220WC30080101	Test Sample No.:	1-2-2
Start Test Date:	2023.05.08	Finish Test Date:	2023.05.09
Test Engineer:	Rick Luo	Auditor:	Edward Pan
Temperature:	26.8°C	Relative Humidity:	51%
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.696	2401.652	2402.348	0.5	PASS
		2440	0.668	2439.668	2440.336	0.5	PASS
		2480	0.684	2479.652	2480.336	0.5	PASS



Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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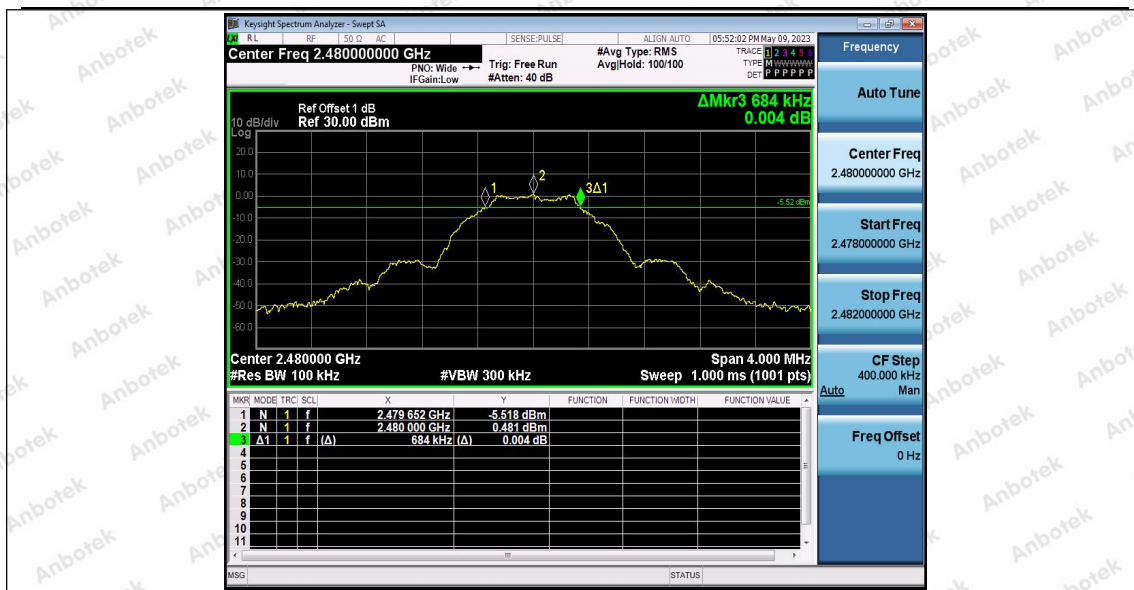


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Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0324	2401.4971	2402.5295
		2440	1.0304	2439.4969	2440.5273
		2480	1.0270	2479.4973	2480.5243



Test Graphs



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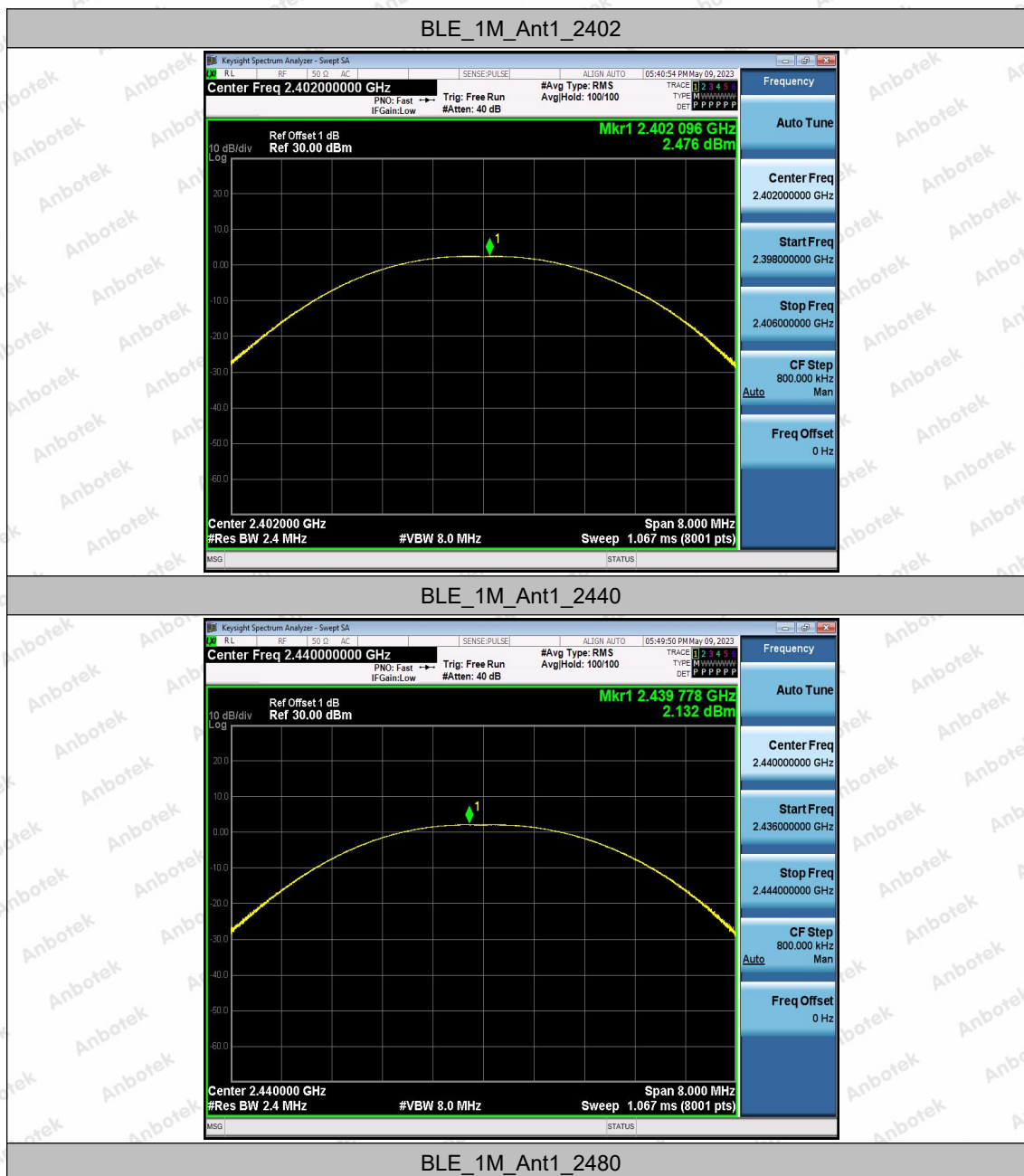
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.48	≤30	PASS
		2440	2.13	≤30	PASS
		2480	1.39	≤30	PASS



Test Graphs Peak



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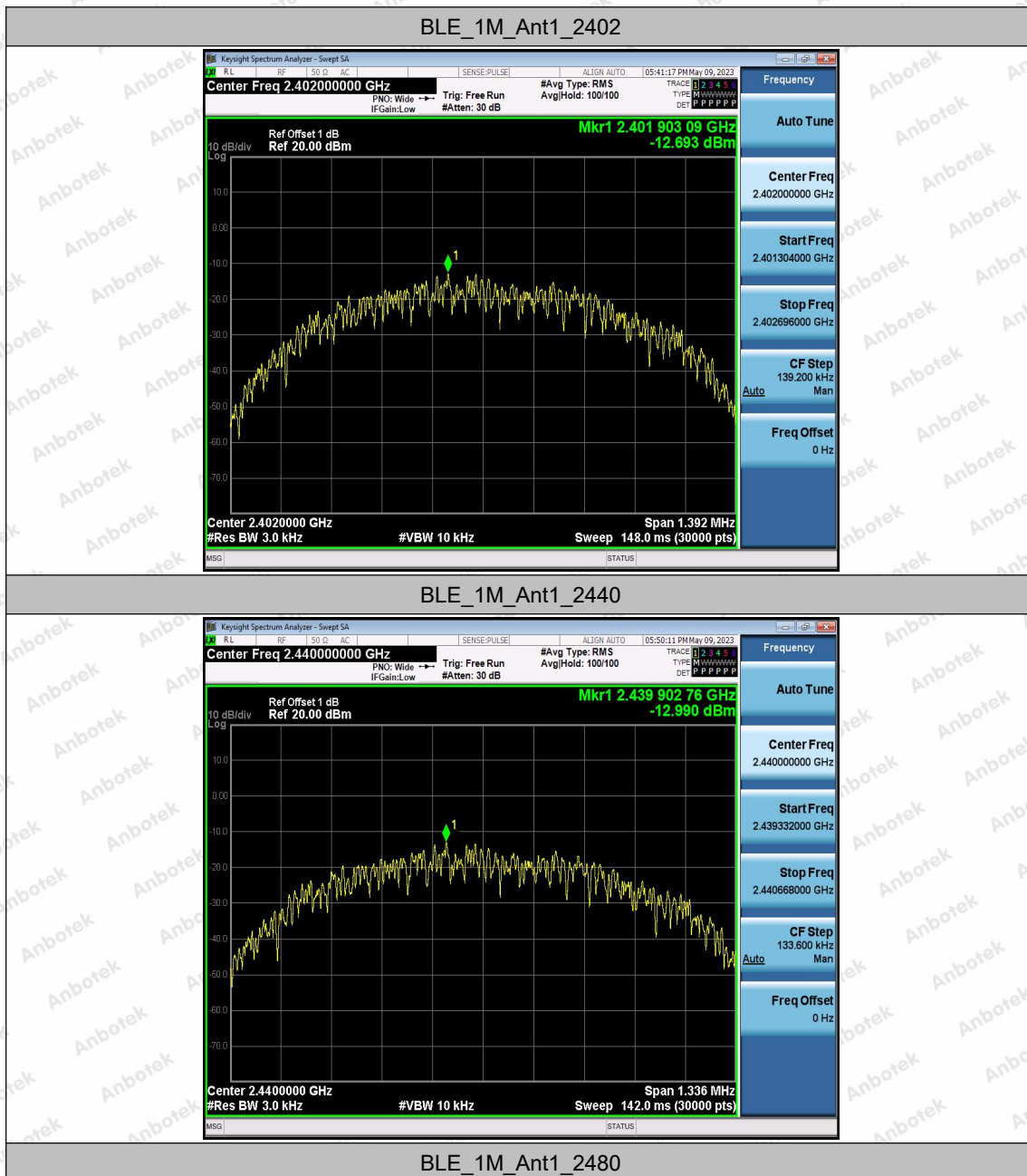
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.69	≤8.00	PASS
		2440	-12.99	≤8.00	PASS
		2480	-13.68	≤8.00	PASS



Test Graphs



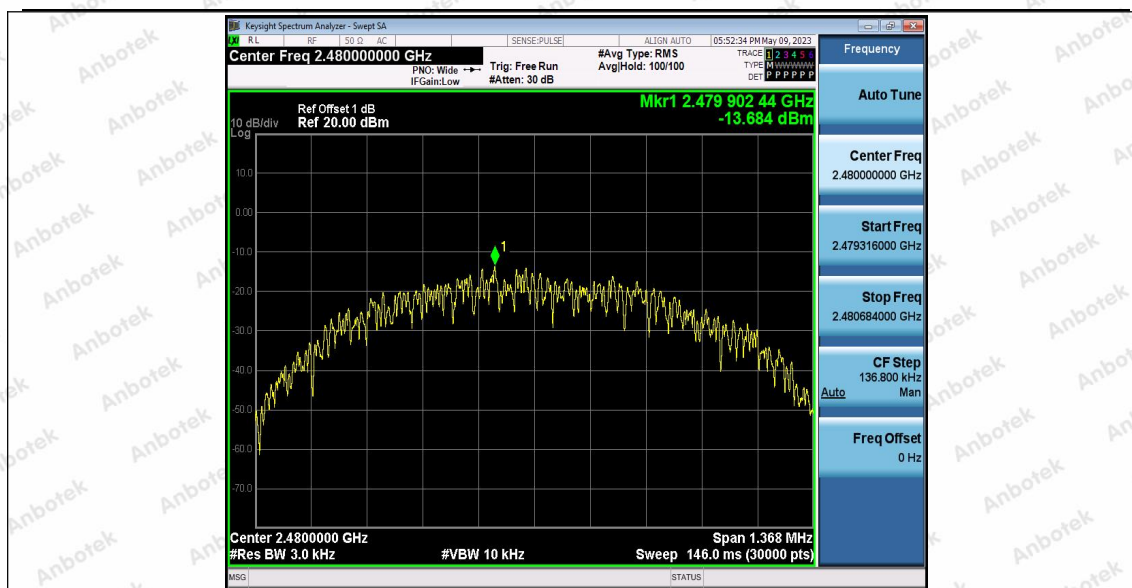
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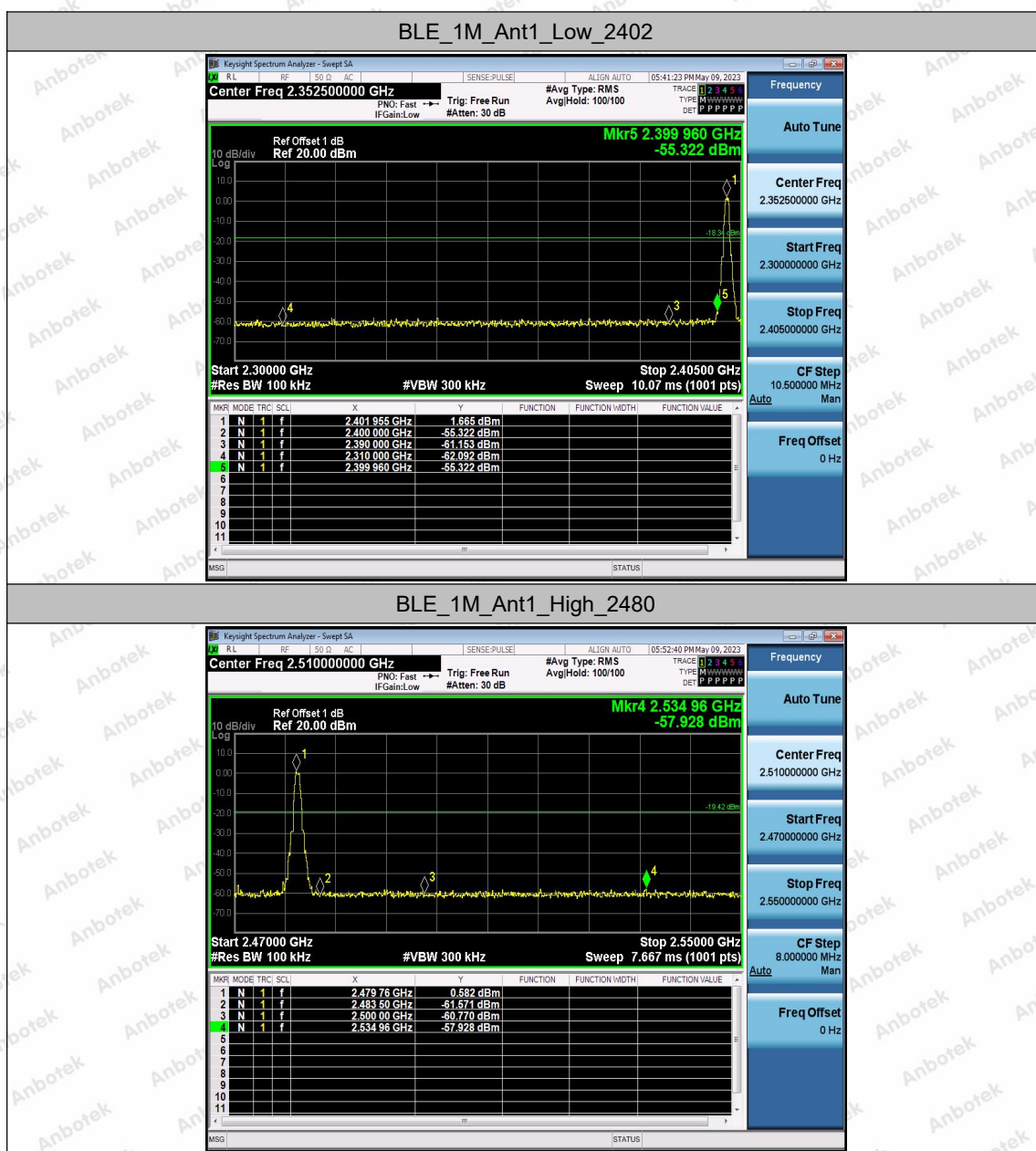


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.67	-55.32	≤-18.34	PASS
		High	2480	0.58	-57.93	≤-19.42	PASS

Test Graphs



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	1.29	1.29	---	PASS
			30~1000	1.29	-68.74	≤-18.71	PASS
			1000~26500	1.29	-53.27	≤-18.71	PASS
		2440	Reference	0.68	0.68	---	PASS
			30~1000	0.68	-68.7	≤-19.32	PASS
			1000~26500	0.68	-52.82	≤-19.32	PASS
		2480	Reference	0.26	0.26	---	PASS
			30~1000	0.26	-68.94	≤-19.74	PASS
			1000~26500	0.26	-52.99	≤-19.74	PASS



Test Graphs



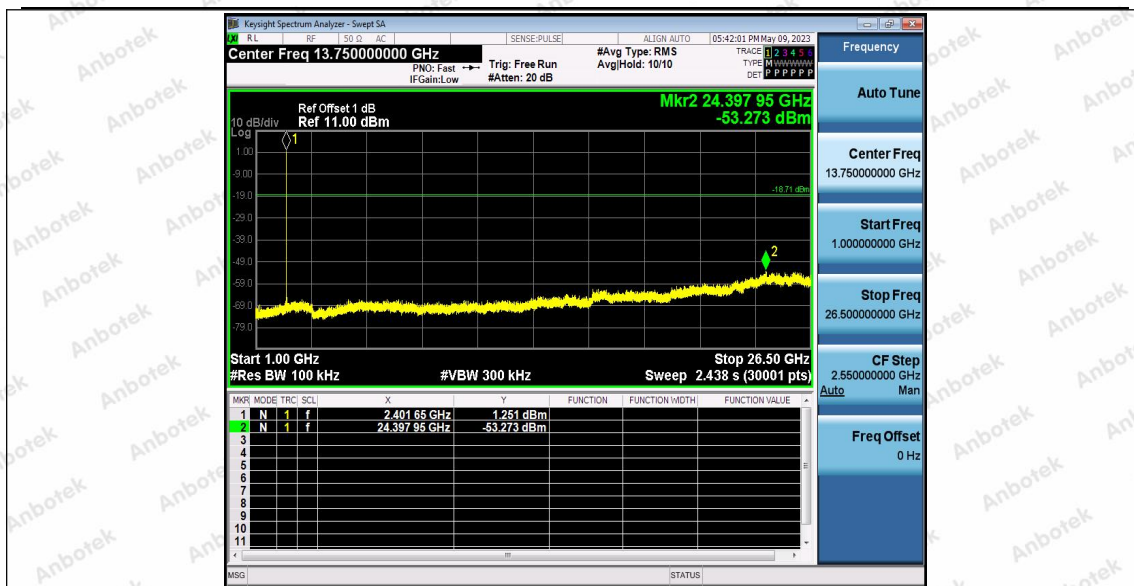
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000

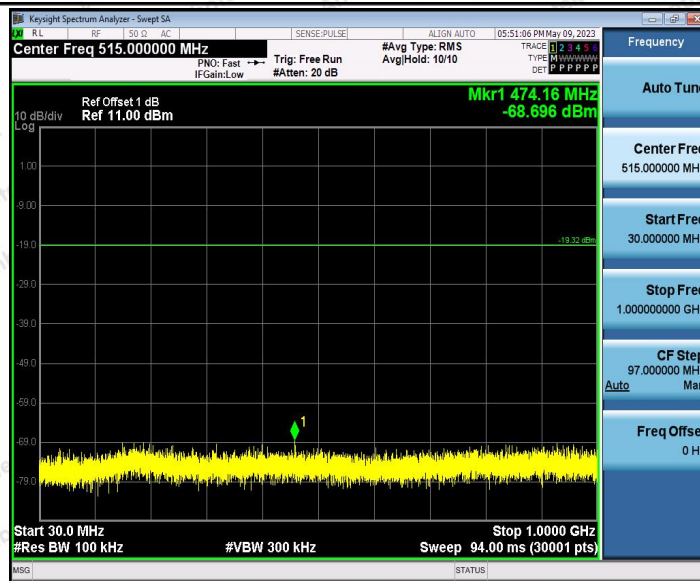
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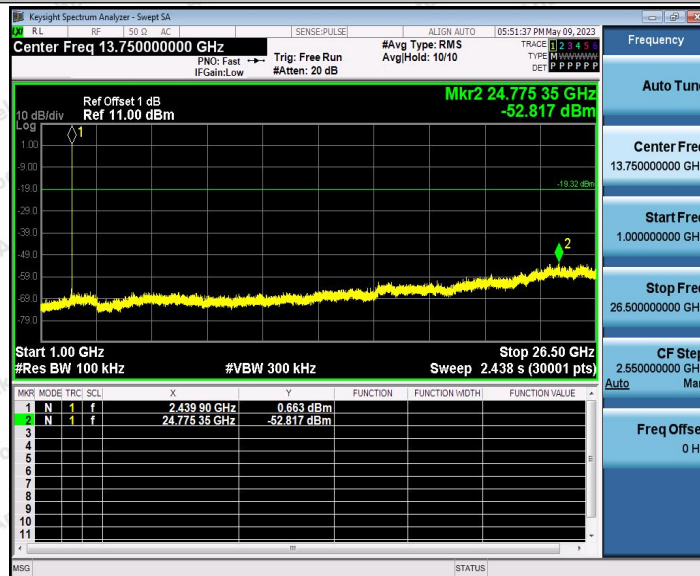


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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

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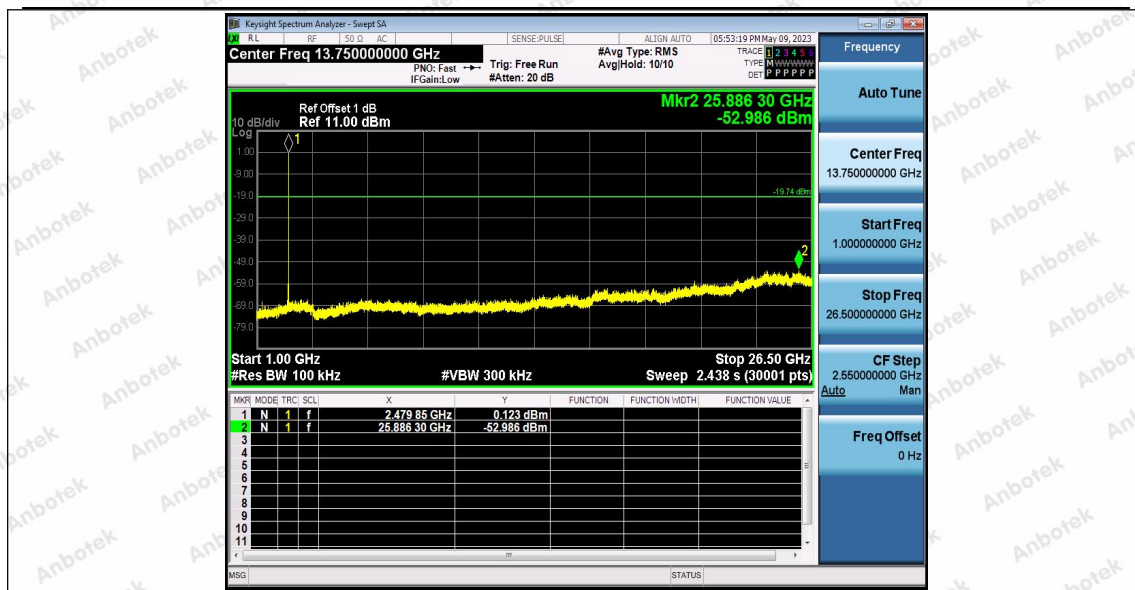
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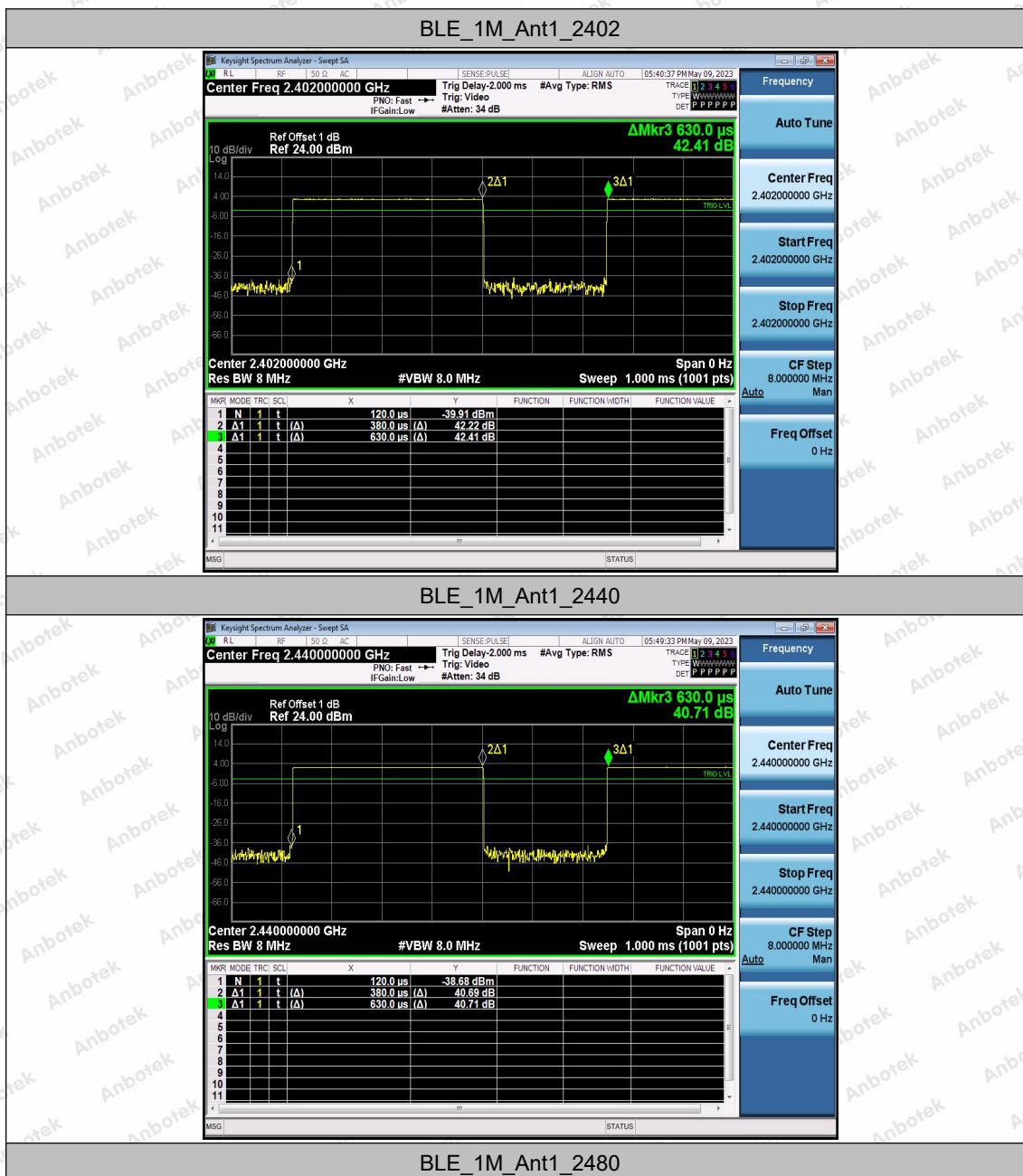
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.38	0.63	60.32	2.20
		2440	0.38	0.63	60.32	2.20
		2480	0.38	0.63	60.32	2.20



Test Graphs



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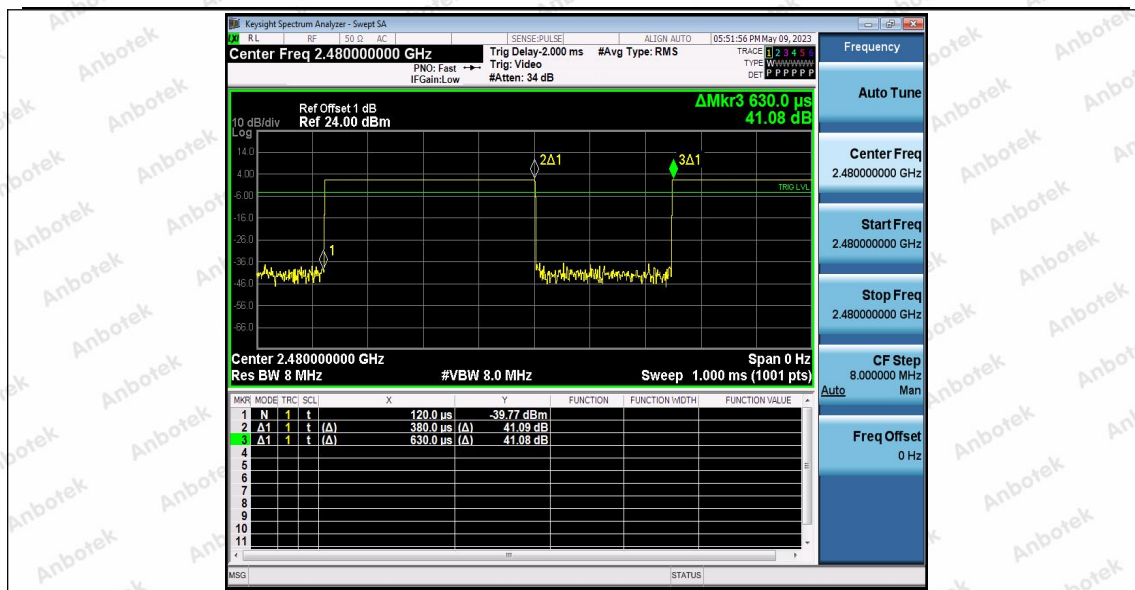


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