

Appendix Test Data

Report No.:	18220WC20091001	Test Sample No.:	1-2-2
Start Test Date:	2022.4.25	Finish Test Date:	2022.4.25
Test Engineer:	RICK Luo	Auditor:	Edward Pan
Temperature:	26.3℃	Relative Humidity:	46%
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.704	2401.644	2402.348	≥0.5	PASS
		2440	0.708	2439.636	2440.344	≥0.5	PASS
		2480	0.700	2479.648	2480.348	≥0.5	PASS

Test Graphs



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BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0290	2401.497	2402.526	---	PASS
		2440	1.0309	2439.497	2440.528	---	PASS
		2480	1.0276	2479.497	2480.524	---	PASS

Test Graphs



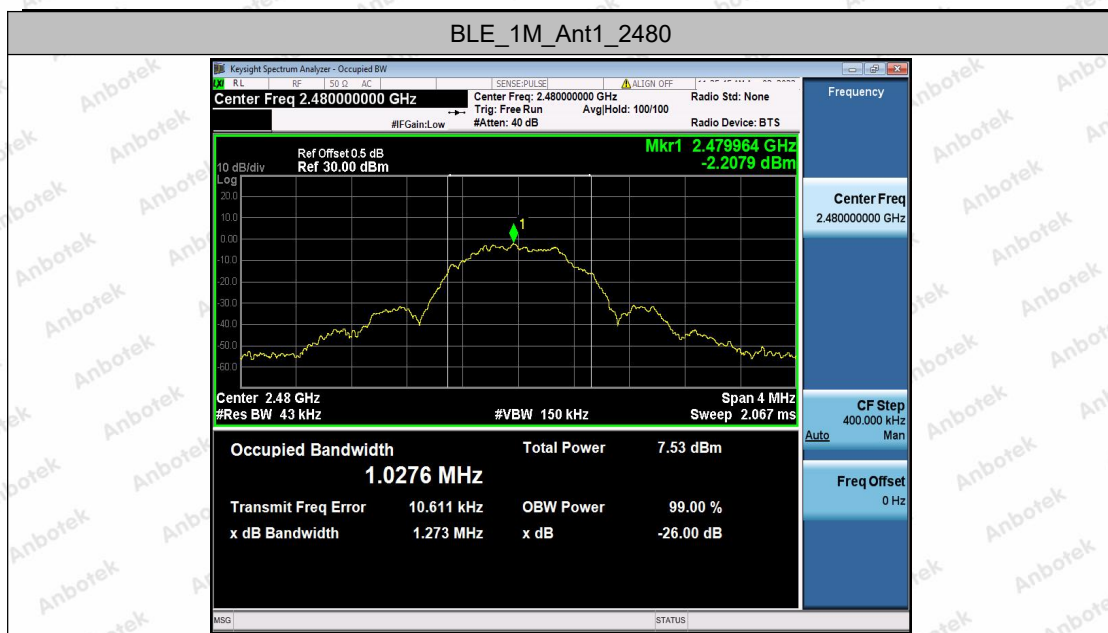
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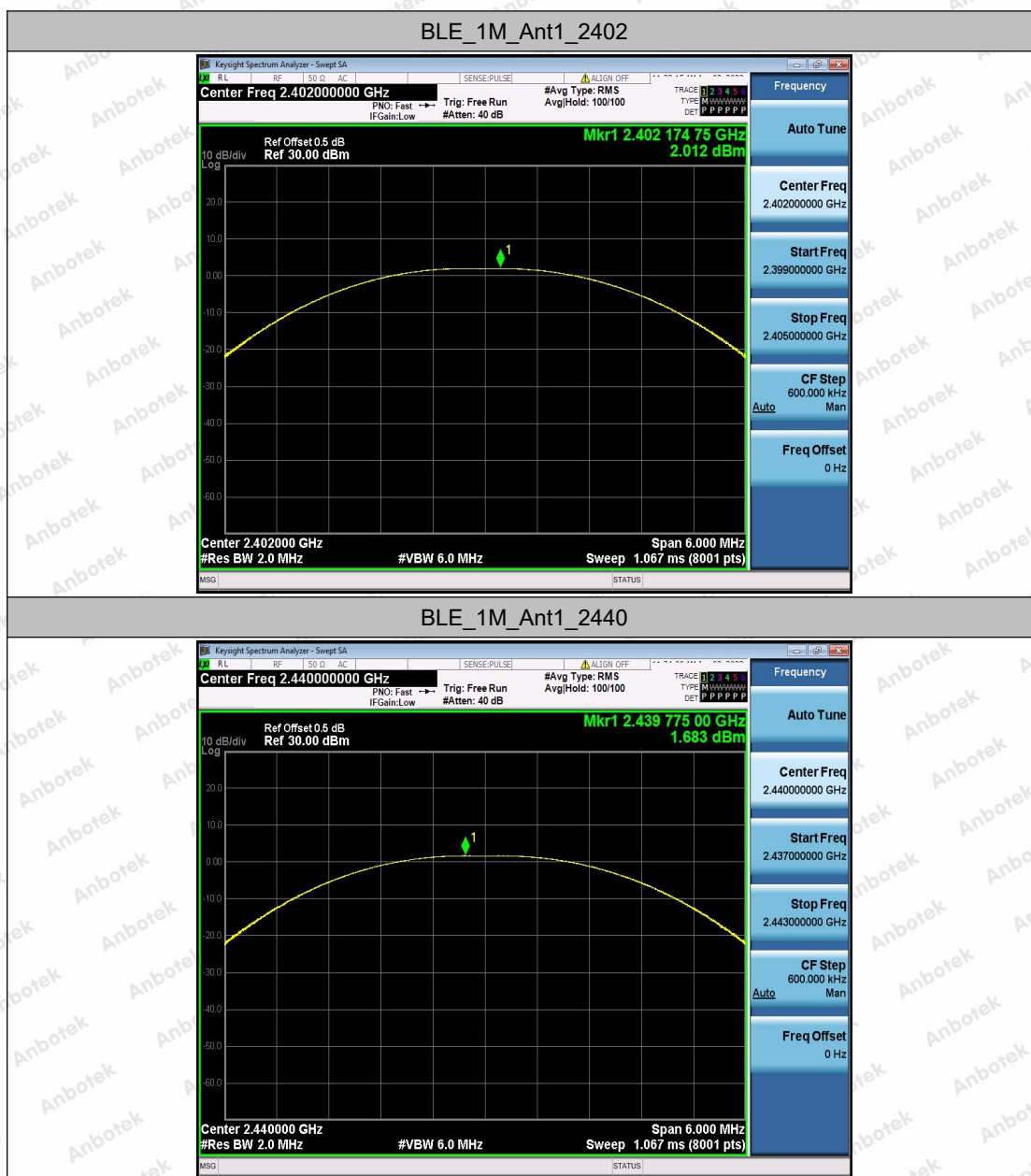


Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.01	≤30	PASS
		2440	1.68	≤30	PASS
		2480	0.93	≤30	PASS

Test Graphs



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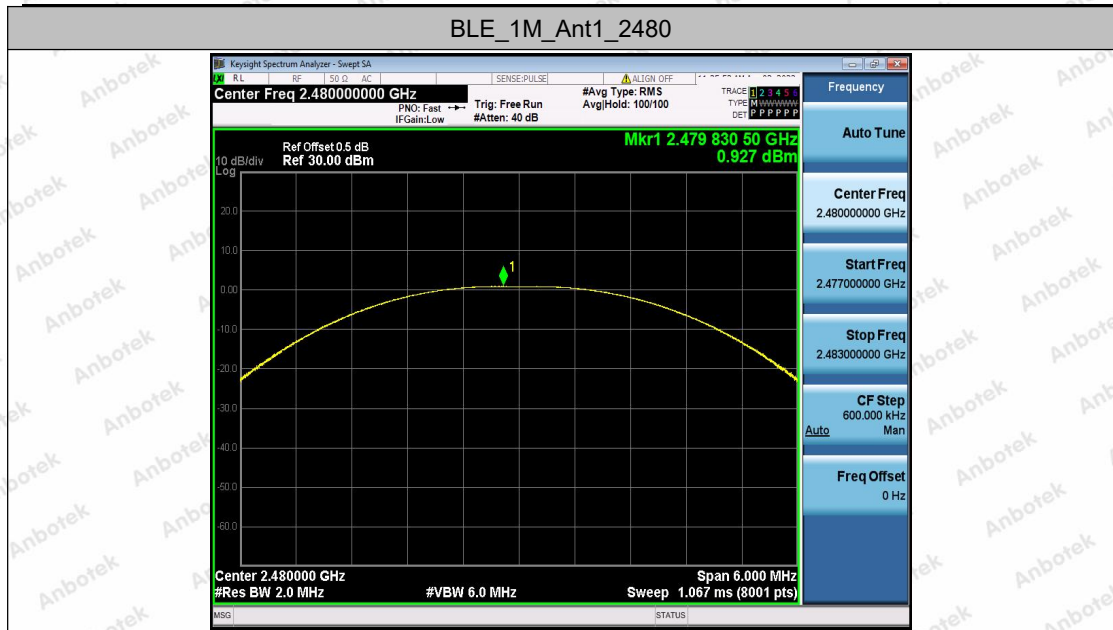


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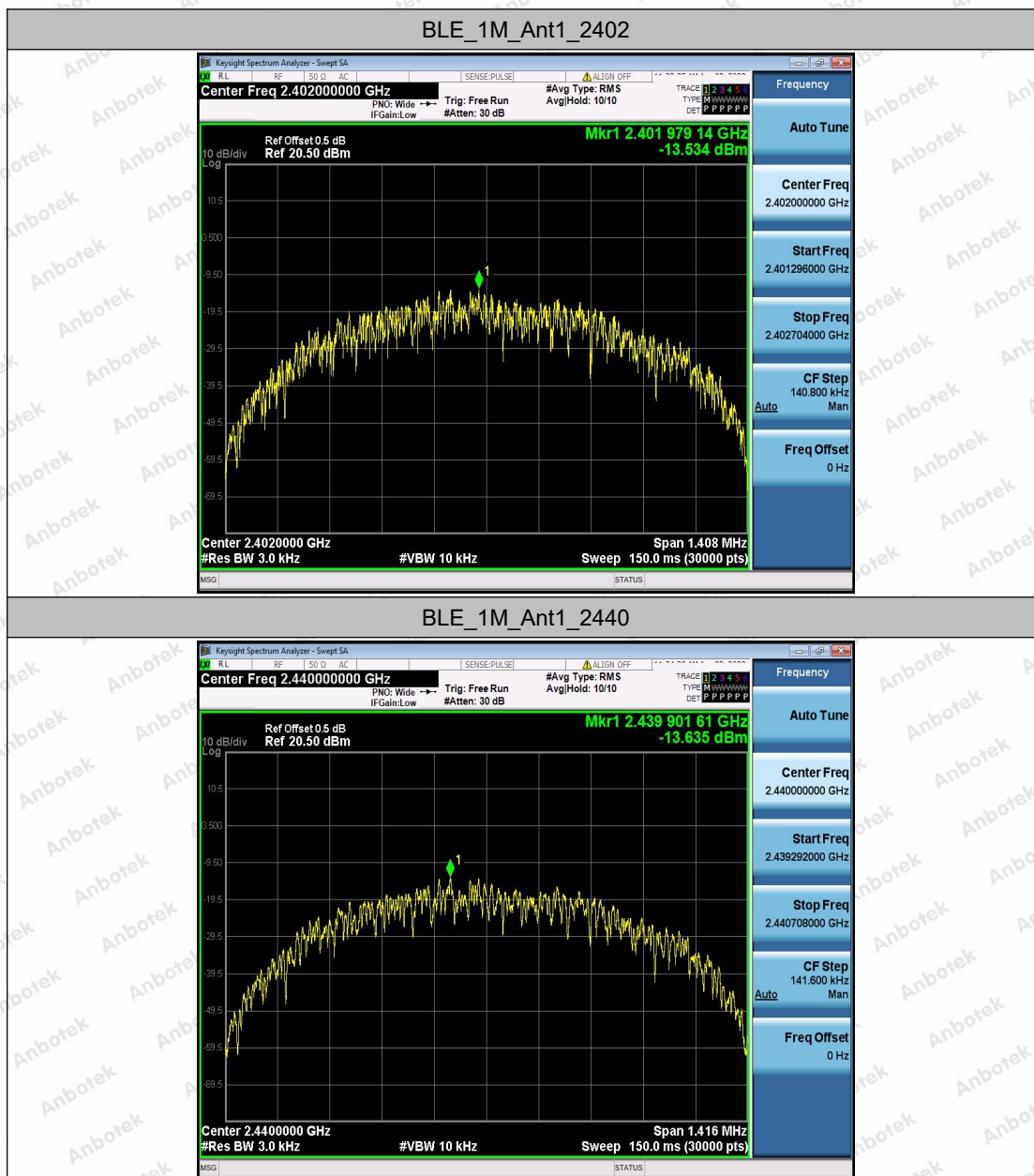


Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.53	≤8	PASS
		2440	-13.64	≤8	PASS
		2480	-14.27	≤8	PASS

Test Graphs



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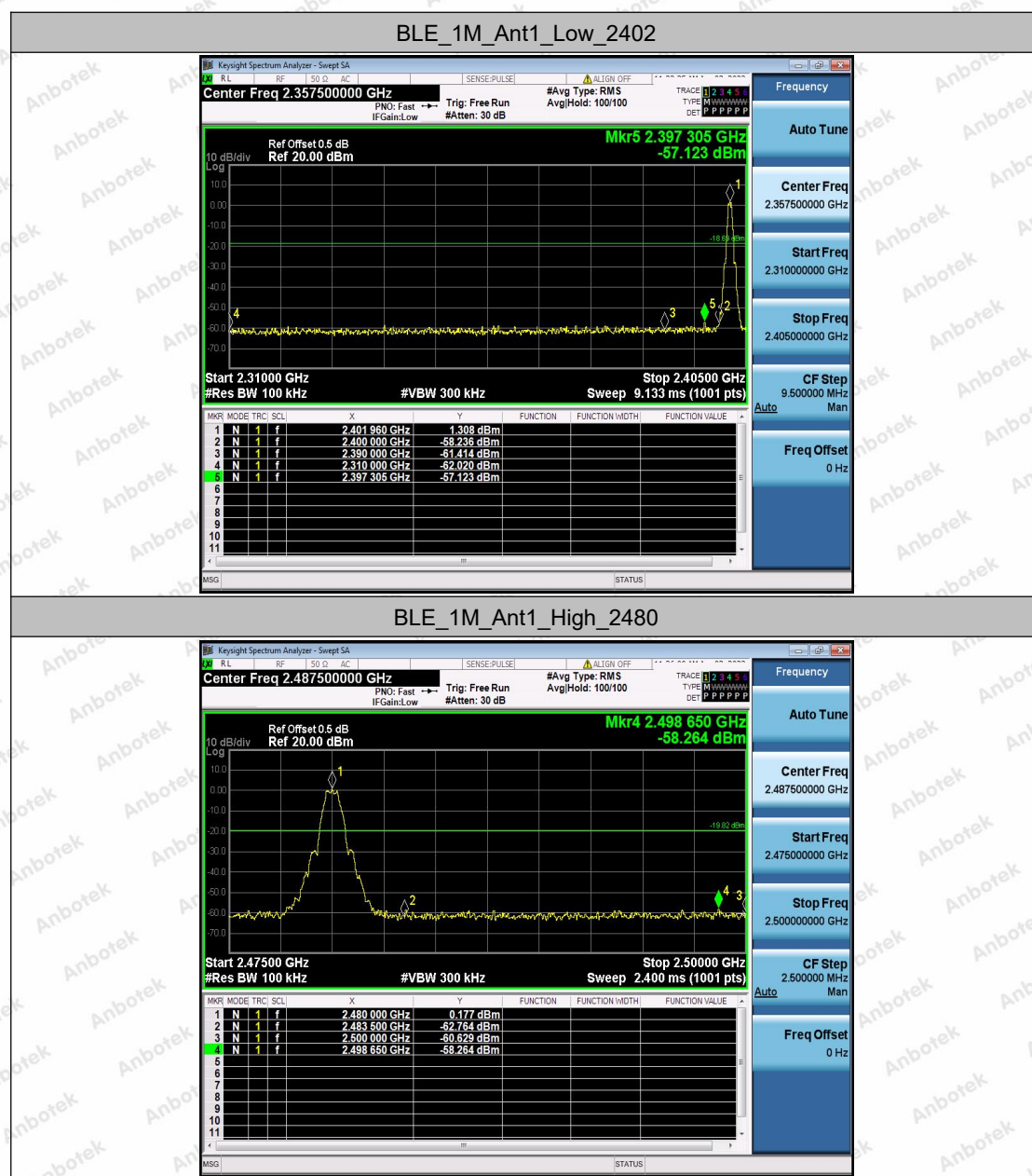


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.31	-57.12	≤-18.69	PASS
		High	2480	0.18	-58.26	≤-19.82	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	1.02	1.02	---	PASS
			30~1000	1.02	-68.96	≤-18.98	PASS
			1000~26500	1.02	-53.61	≤-18.98	PASS
		2440	Reference	0.75	0.75	---	PASS
			30~1000	0.75	-70.01	≤-19.25	PASS
			1000~26500	0.75	-53.9	≤-19.25	PASS
		2480	Reference	-0.02	-0.02	---	PASS
			30~1000	-0.02	-69.87	≤-20.02	PASS
			1000~26500	-0.02	-54.04	≤-20.02	PASS

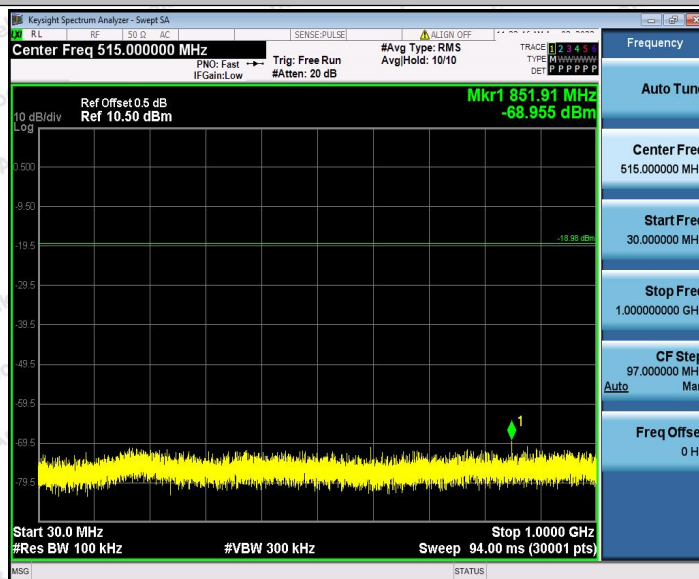


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

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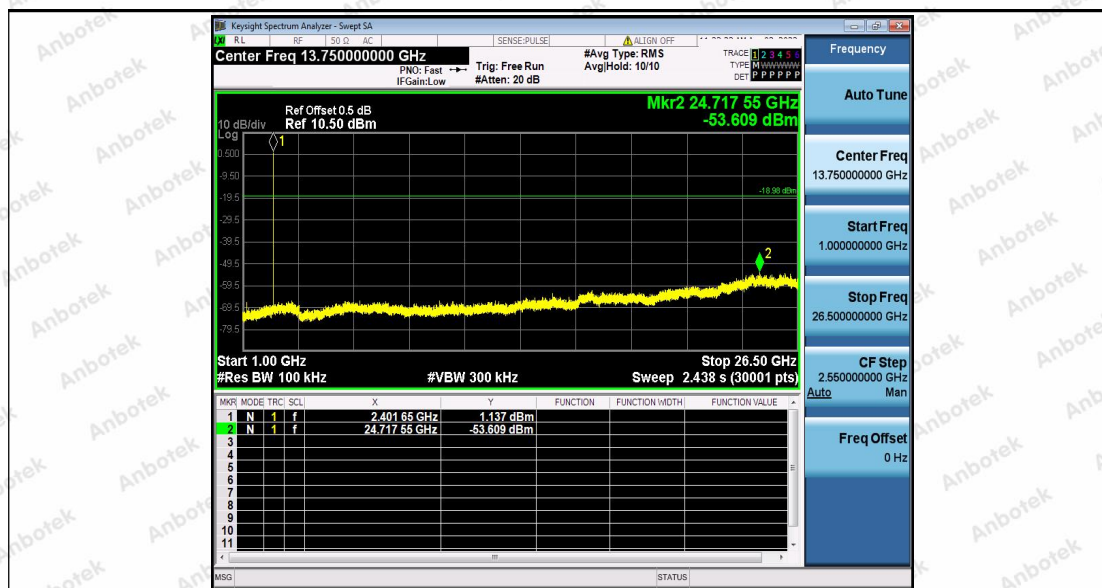


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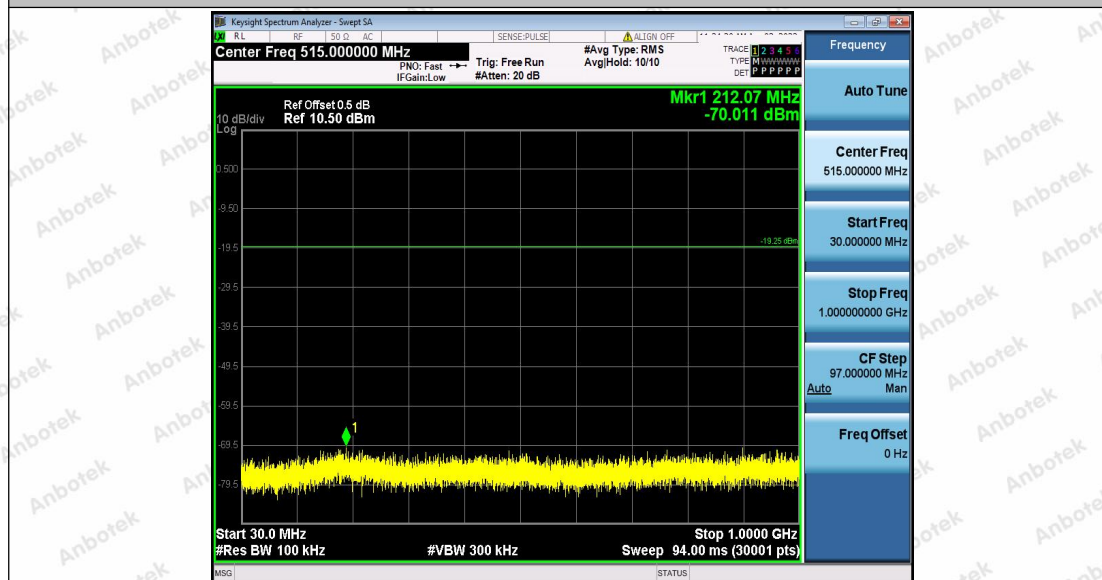




BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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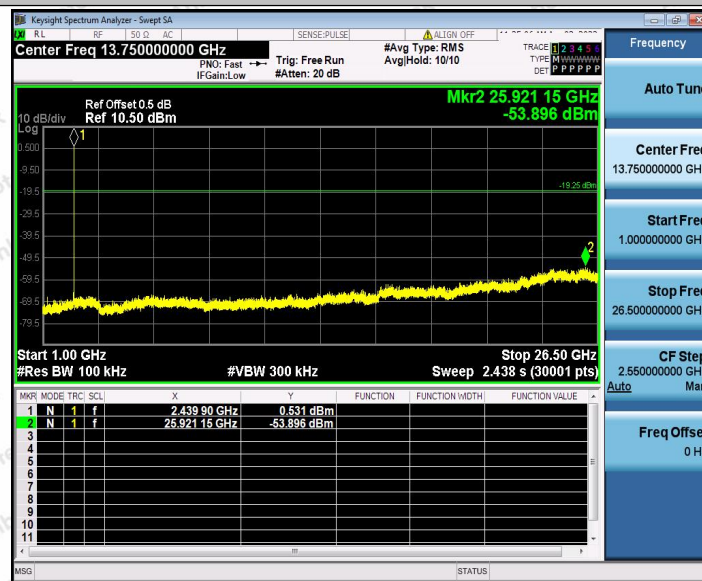
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000

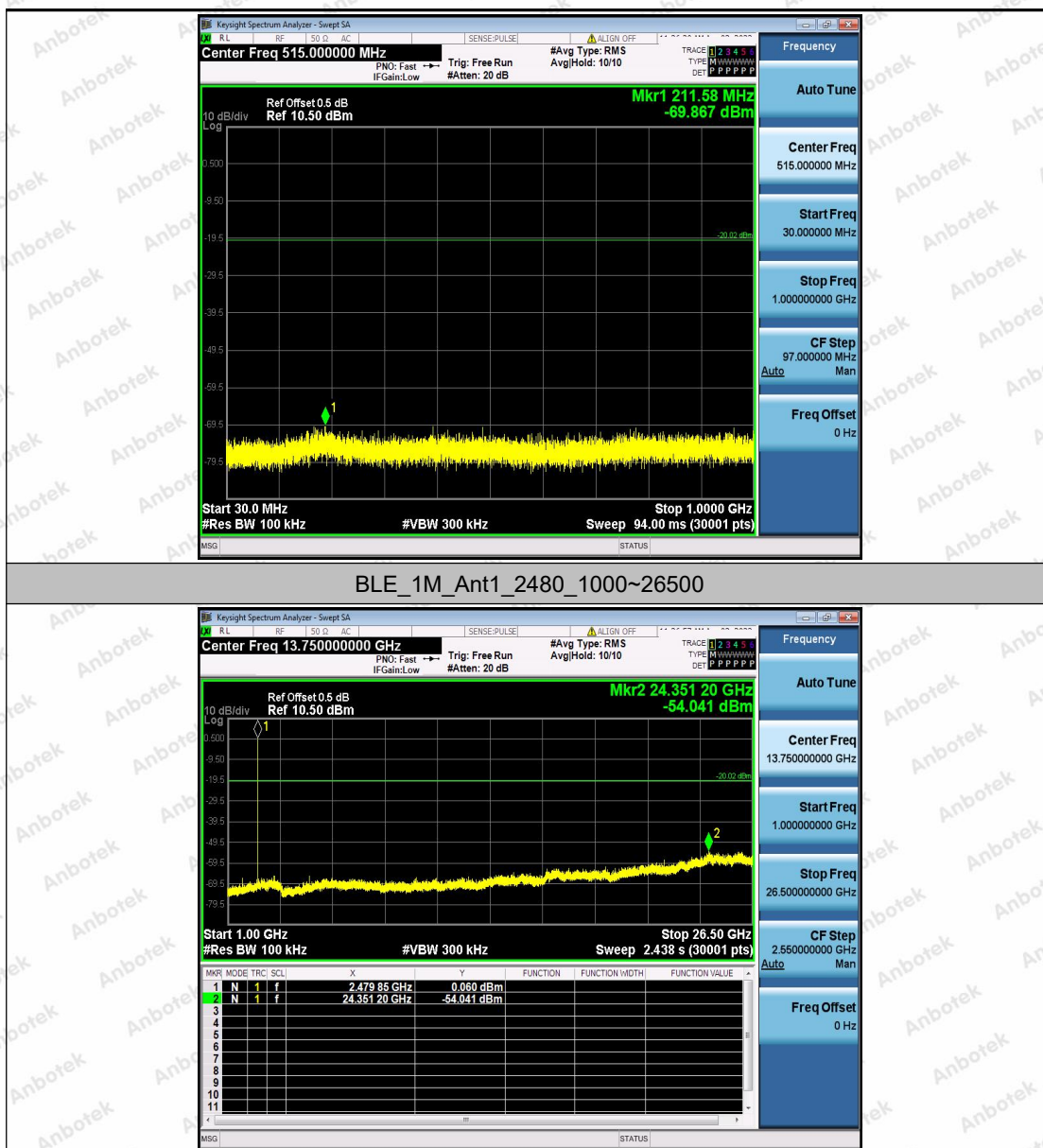
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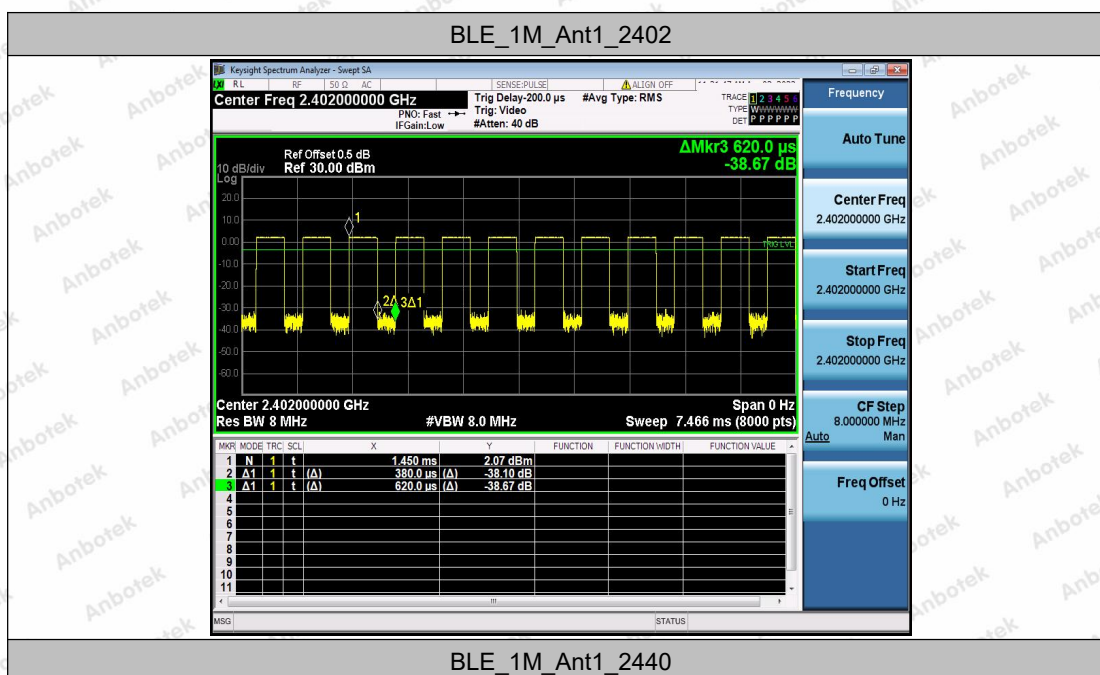


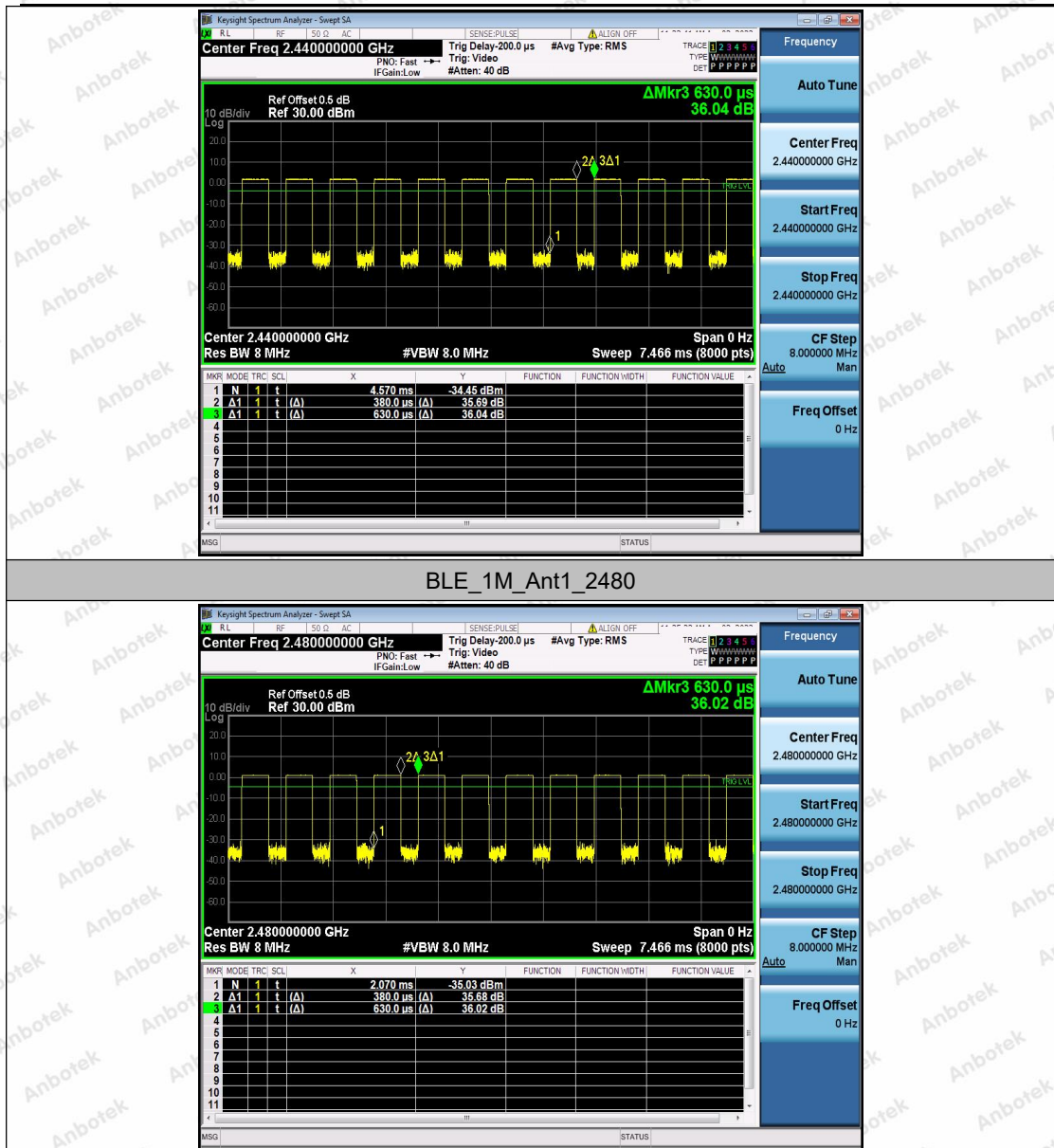
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	0.38	0.62	0.612 9	61.29	2.13	---	PASS
		2440	0.38	0.63	0.603 2	60.32	2.20	---	PASS
		2480	0.38	0.63	0.603 2	60.32	2.20	---	PASS

Test Graphs





---End---

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