

Appendix Test Data

Report No.:	18220WC20103701	Test Sample No.:	1-2-2
Start Test Date:	2022.5.24	Finish Test Date:	2022..5.26
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3℃	Relative Humidity:	57.3 %
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.692	2401.648	2402.340	≥0.5	PASS
		2440	0.708	2439.644	2440.352	≥0.5	PASS
		2480	0.700	2479.636	2480.336	≥0.5	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0340	2401.492	2402.526	---	PASS
		2440	1.0303	2439.494	2440.525	---	PASS
		2480	1.0329	2479.494	2480.527	---	PASS

Test Graphs



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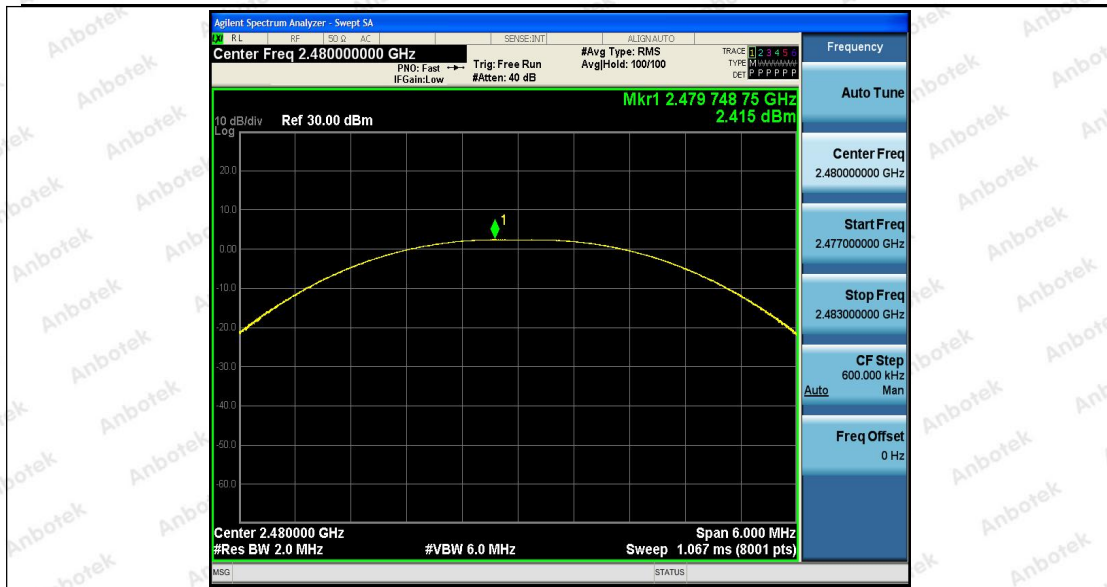
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Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.92	≤30	PASS
		2440	2.86	≤30	PASS
		2480	2.42	≤30	PASS



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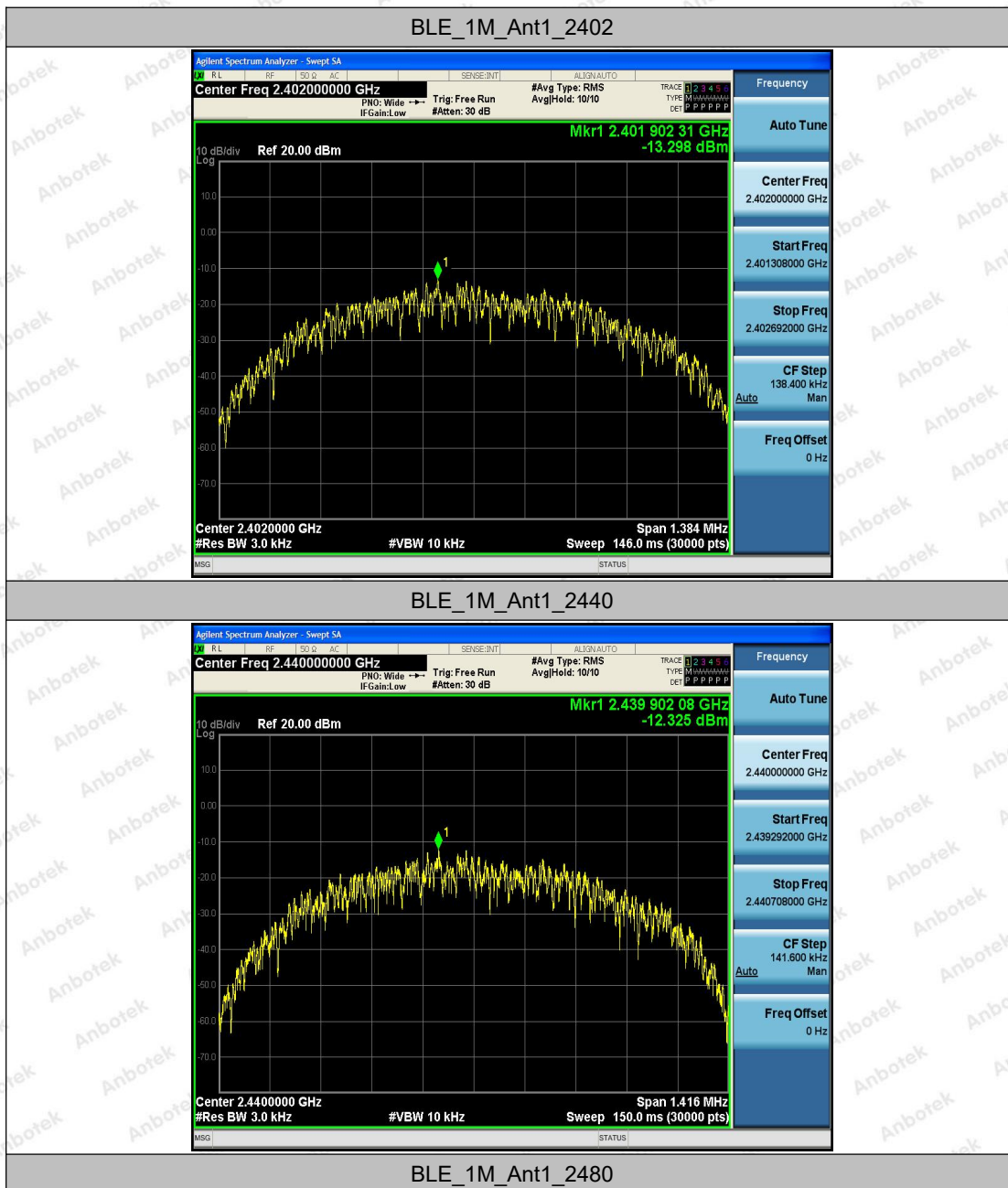
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Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.3	≤8	PASS
		2440	-12.33	≤8	PASS
		2480	-12.77	≤8	PASS

Test Graphs

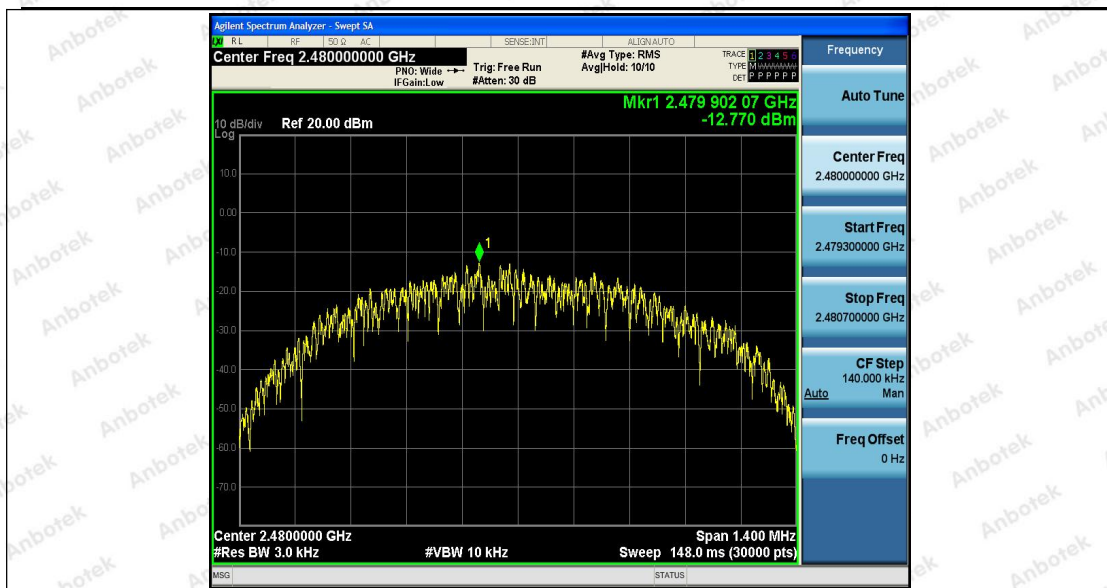


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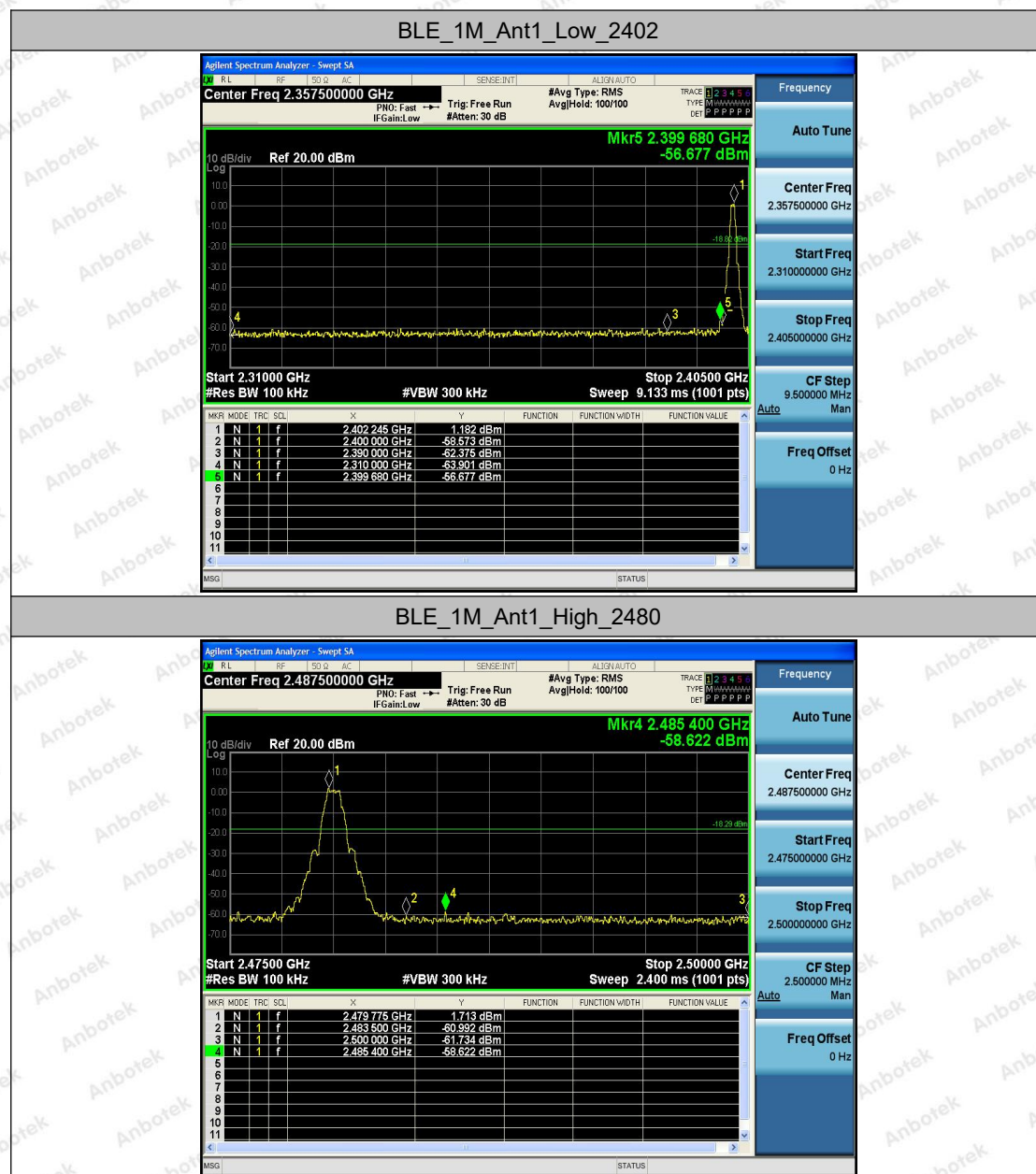
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch Name	Channel	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.18	-56.68	≤-18.82	PASS
		High	2480	1.71	-58.62	≤-18.29	PASS

Test Graphs



Appendix F: Conducted Spurious Emission

Test Result

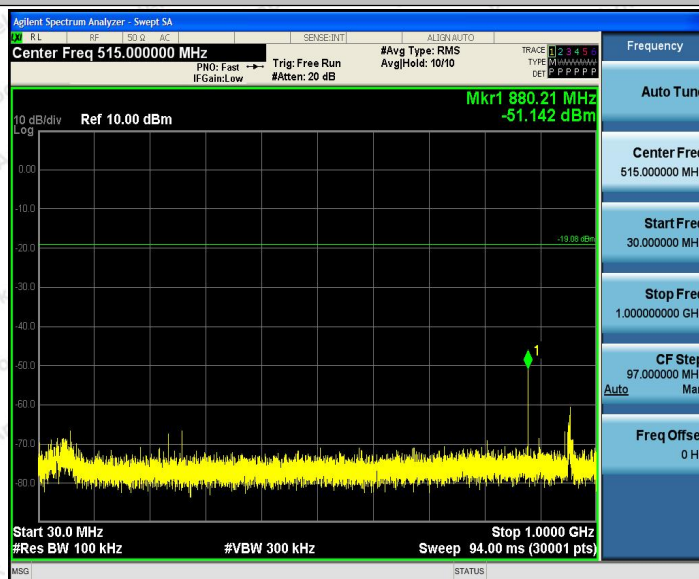
Test Mode	Antenna	Channel	Freq Range [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	0.92	0.92	---	PASS
			30~1000	0.92	-51.14	≤-19.08	PASS
			1000~26500	0.92	-55.19	≤-19.08	PASS
		2440	Reference	1.94	1.94	---	PASS
			30~1000	1.94	-49.75	≤-18.06	PASS
			1000~26500	1.94	-54.57	≤-18.06	PASS
		2480	Reference	1.53	1.53	---	PASS
			30~1000	1.53	-51.87	≤-18.47	PASS
			1000~26500	1.53	-54.8	≤-18.47	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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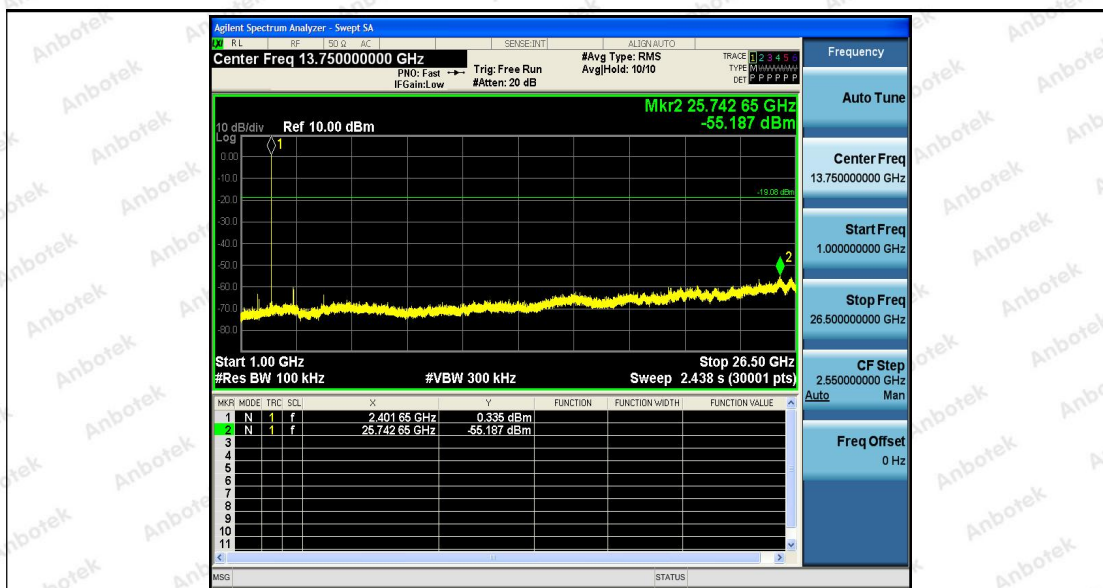
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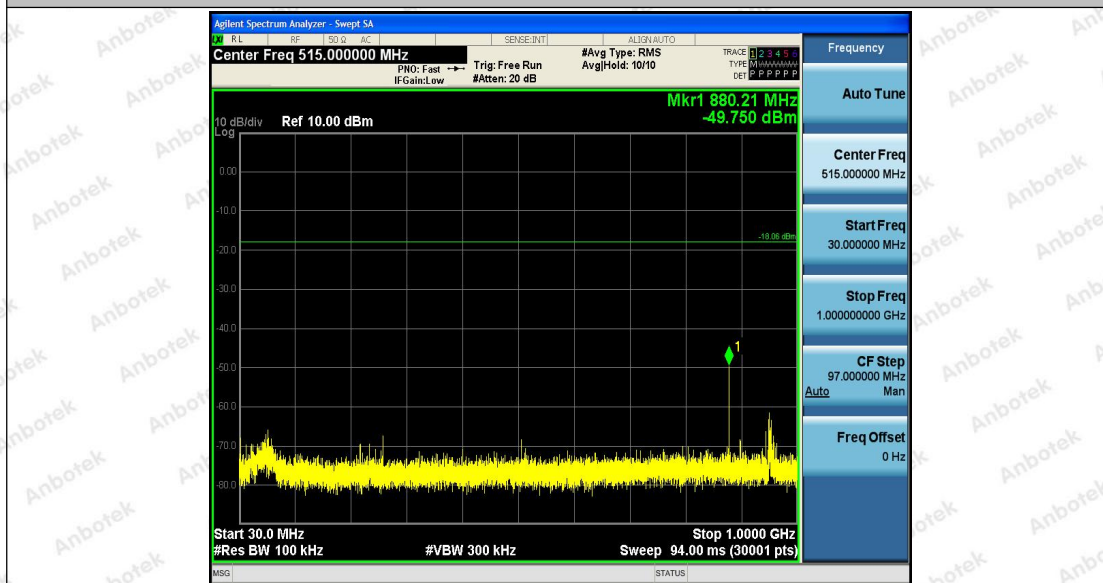
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



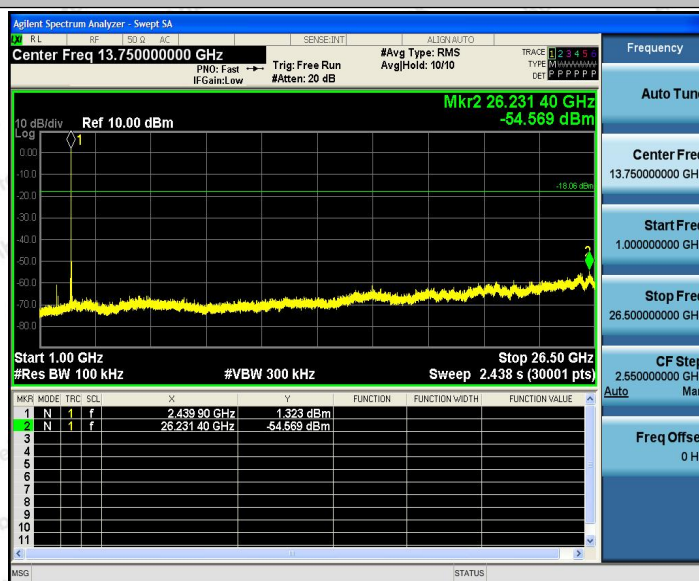
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



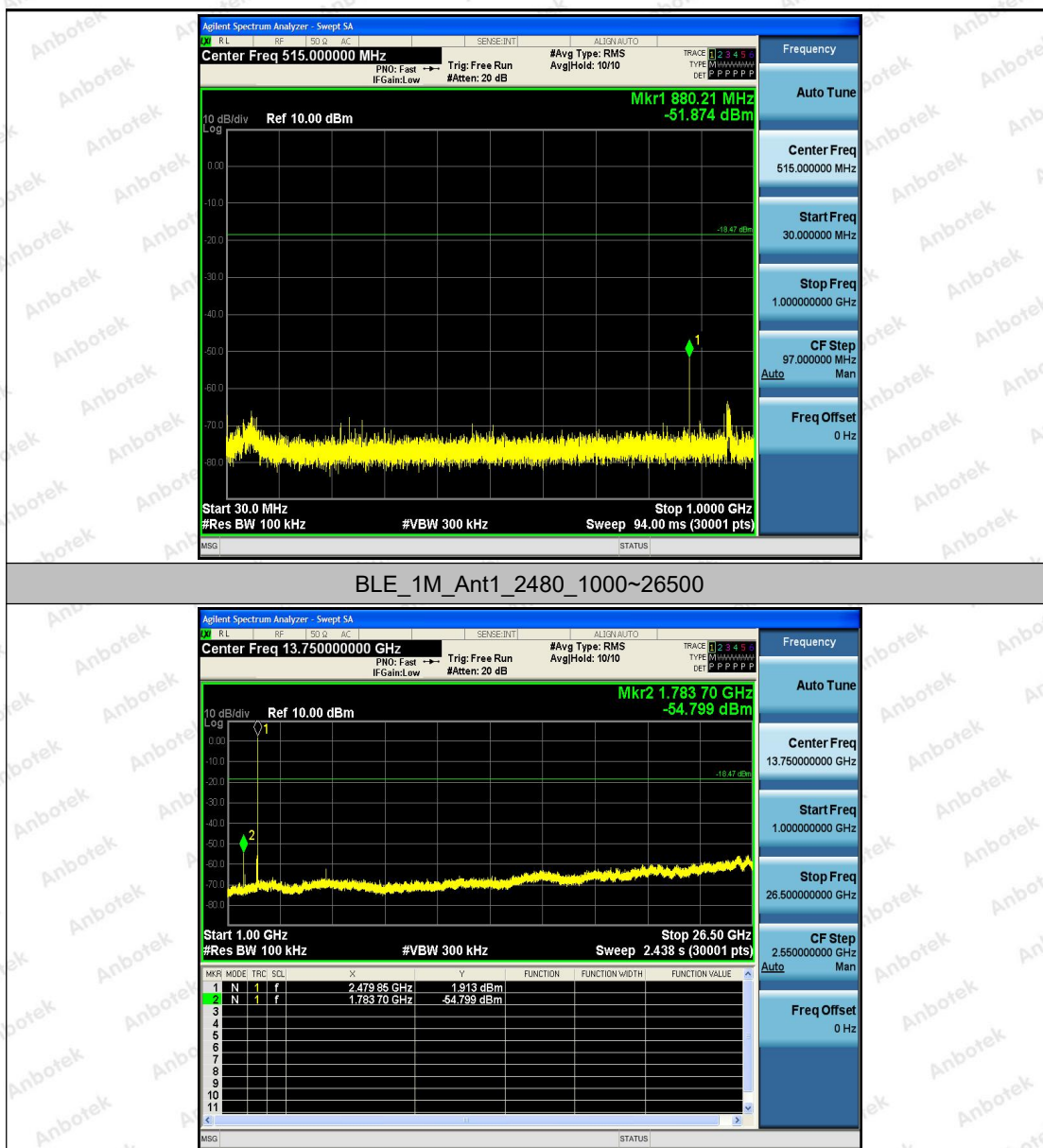
BLE_1M_Ant1_2480_30~1000

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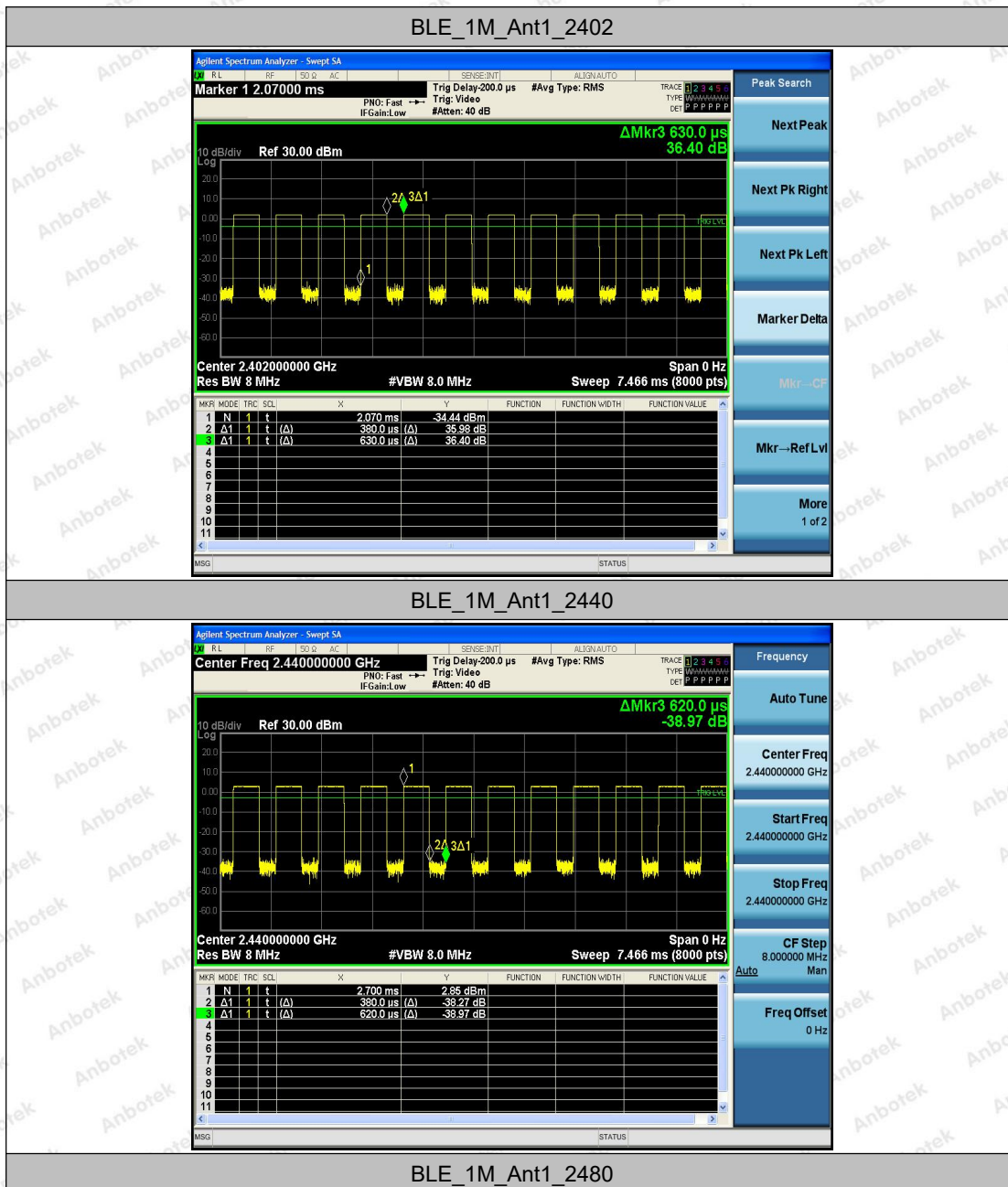
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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	0.38	0.63	0.6032	60.32	2.20	---	PASS
		2440	0.38	0.62	0.6129	61.29	2.13	---	PASS
		2480	0.38	0.63	0.6032	60.32	2.20	---	PASS

Test Graphs



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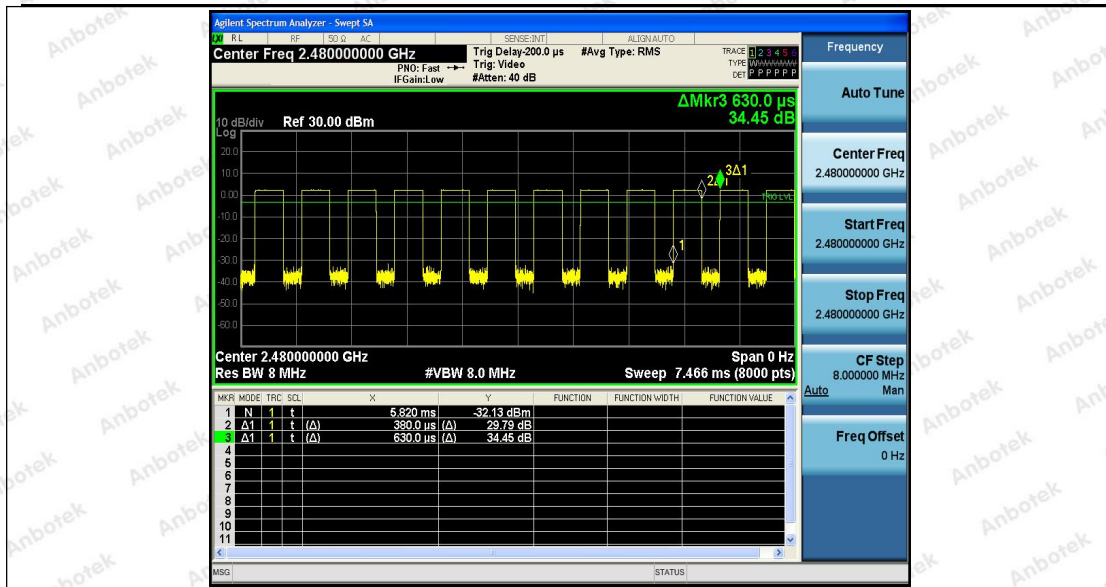
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