

Appendix Test Data

Report No.:	18220WC20064701	Test Sample No.:	1-2-2
Start Test Date:	2022.6.13	Finish Test Date:	2022.6.21
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	Relative Humidity:	56.5 %
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	0.656	2401.672	2402.328	≥0.5	PASS
		2440	0.660	2439.684	2440.344	≥0.5	PASS
		2480	0.668	2479.676	2480.344	≥0.5	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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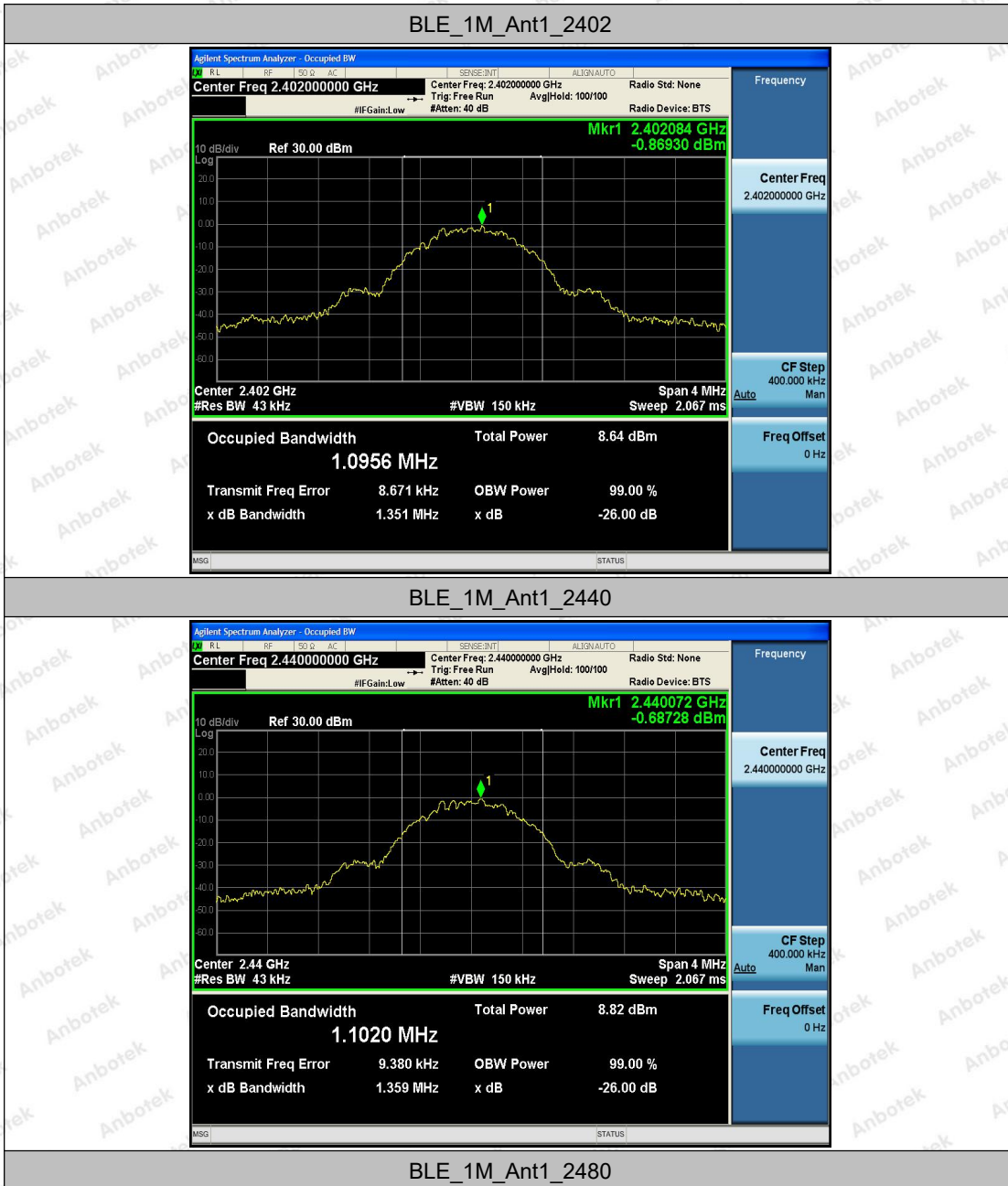
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Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0956	2401.461	2402.556	---	PASS
		2440	1.1020	2439.458	2440.560	---	PASS
		2480	1.0965	2479.461	2480.557	---	PASS

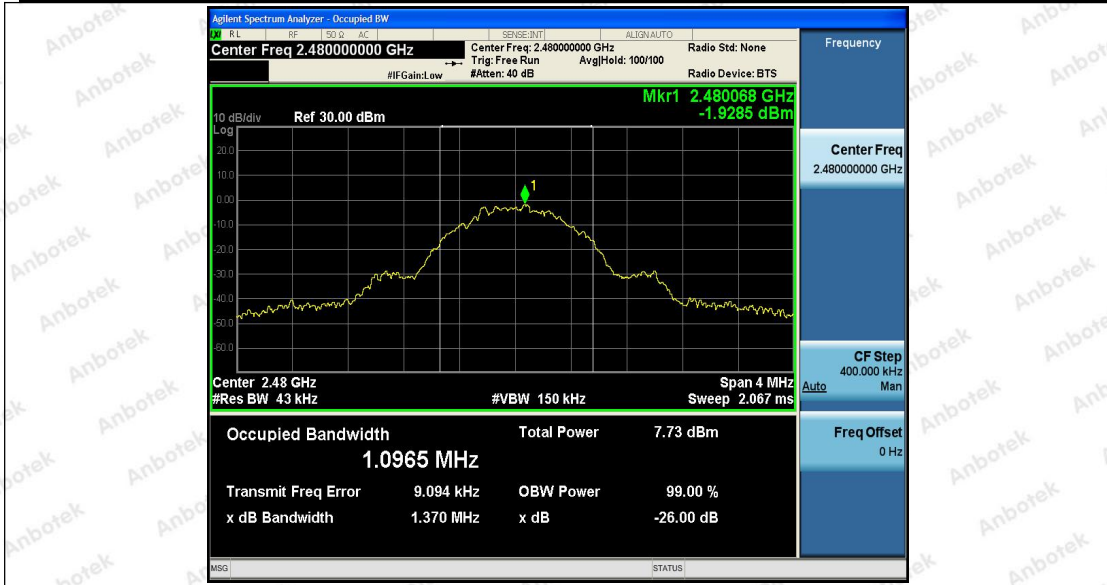
Test Graphs



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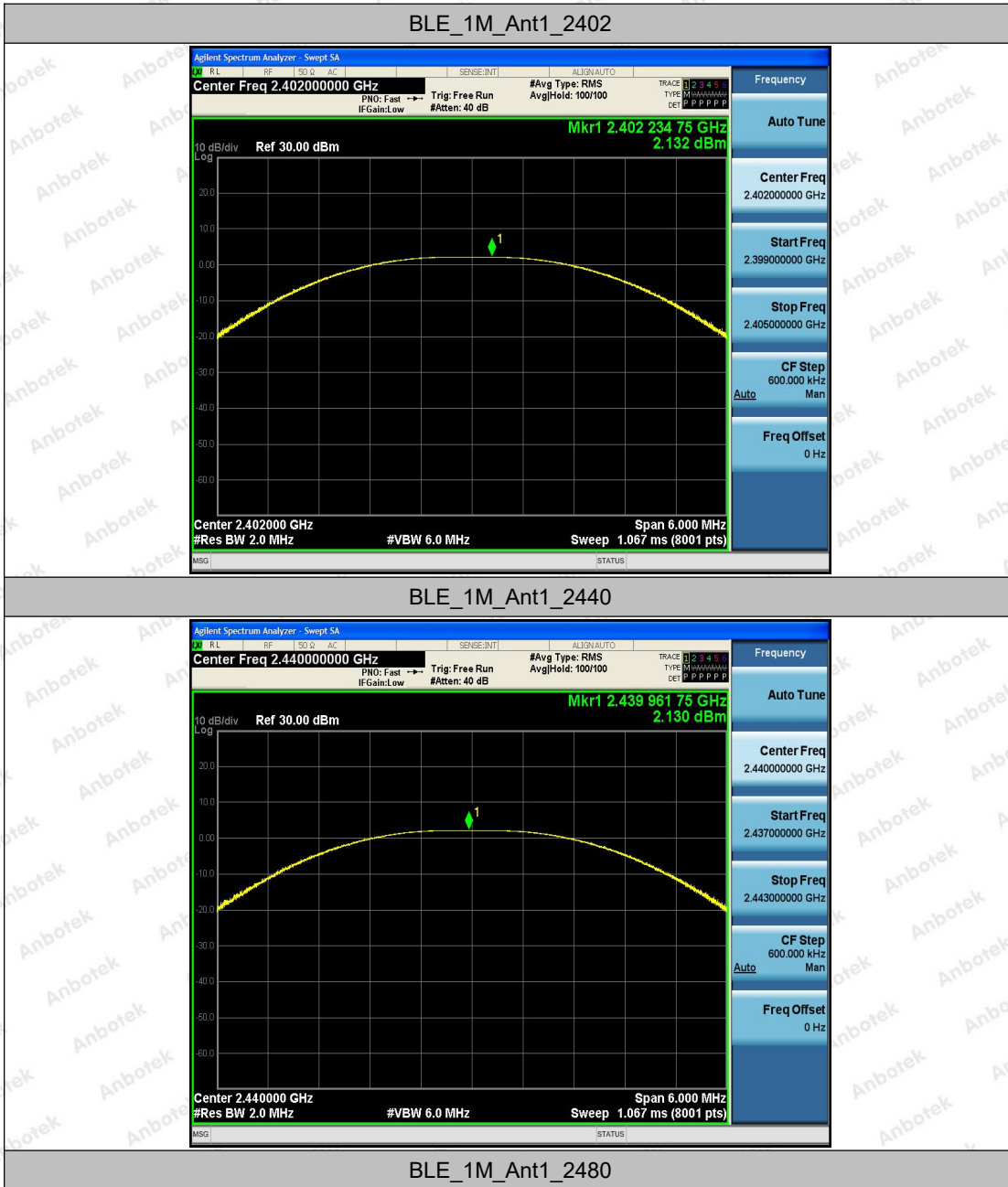
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Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.13	≤30	PASS
		2440	2.13	≤30	PASS
		2480	1.01	≤30	PASS

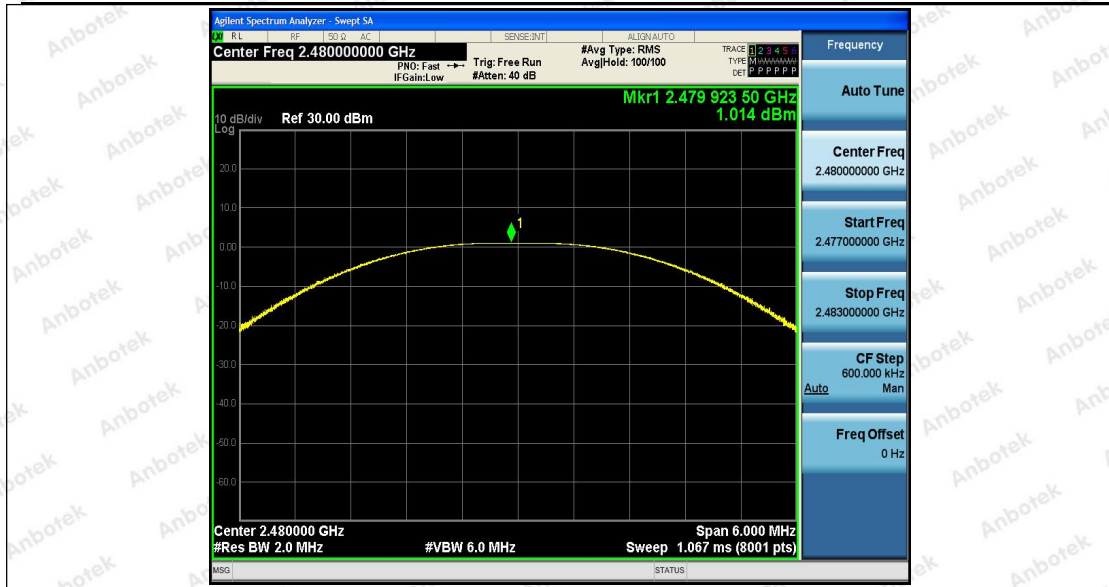
Test Graphs



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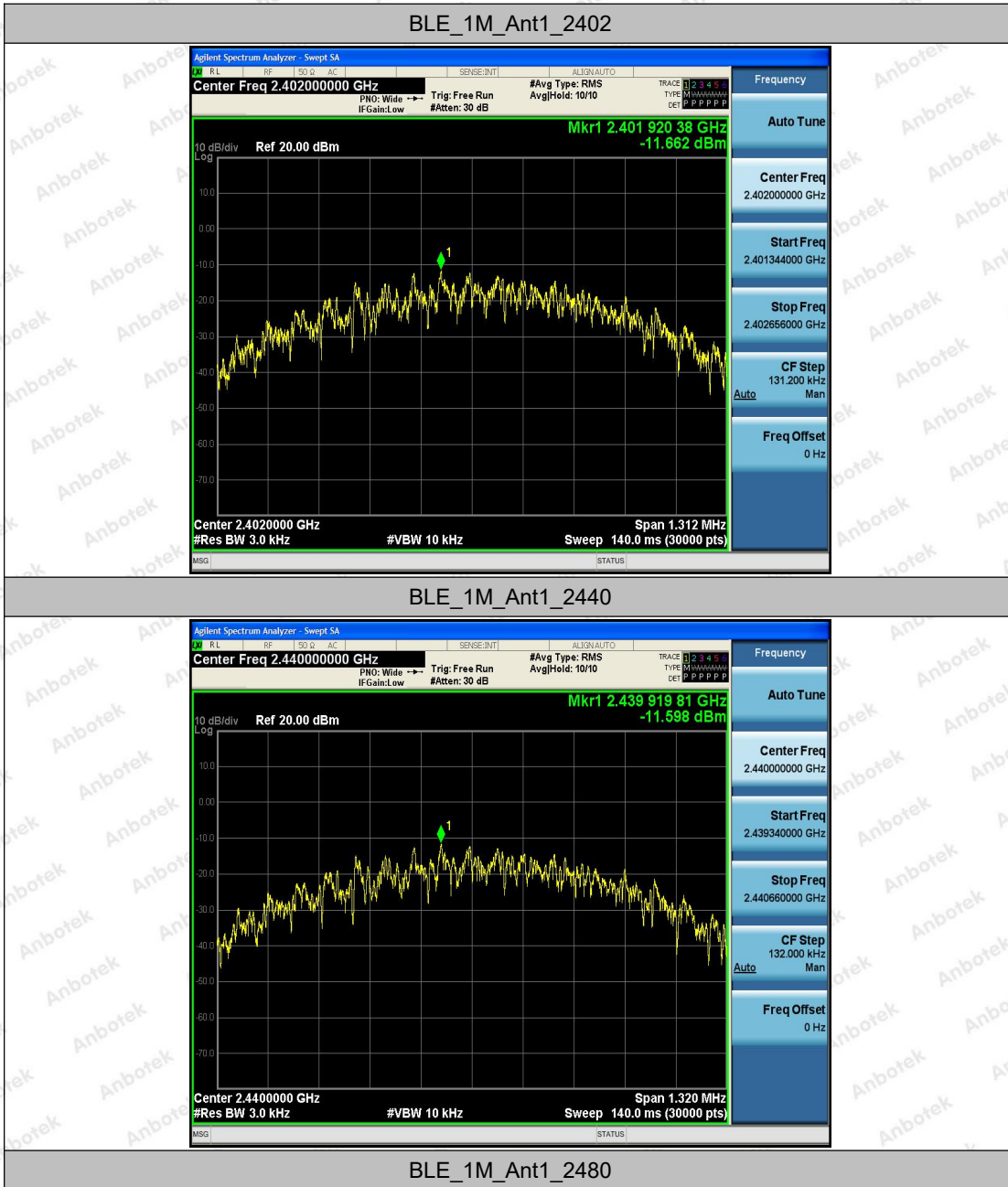
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Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-11.66	≤ 8	PASS
		2440	-11.6	≤ 8	PASS
		2480	-12.71	≤ 8	PASS

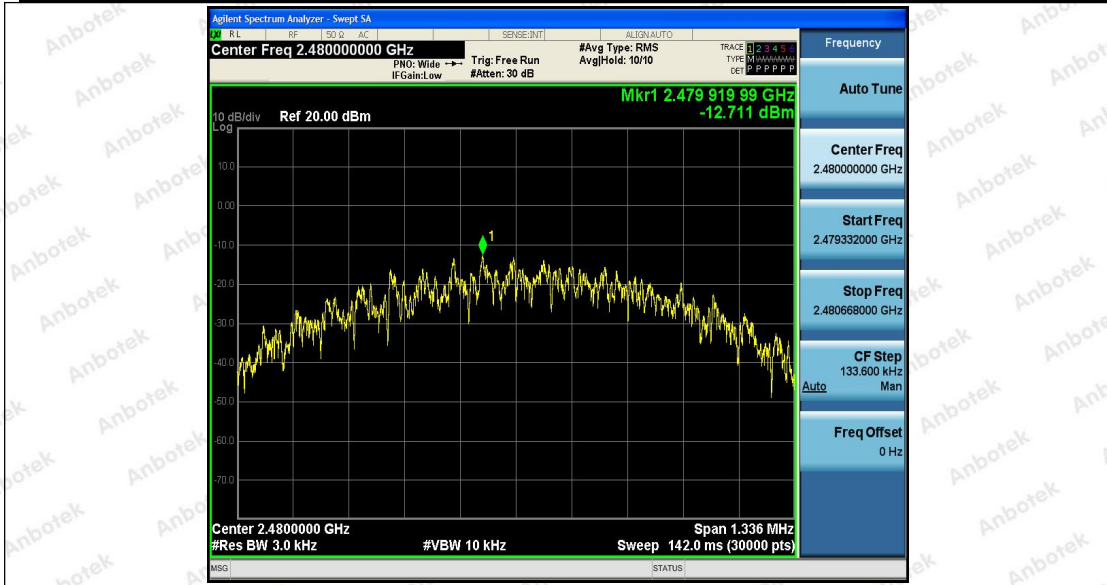
Test Graphs



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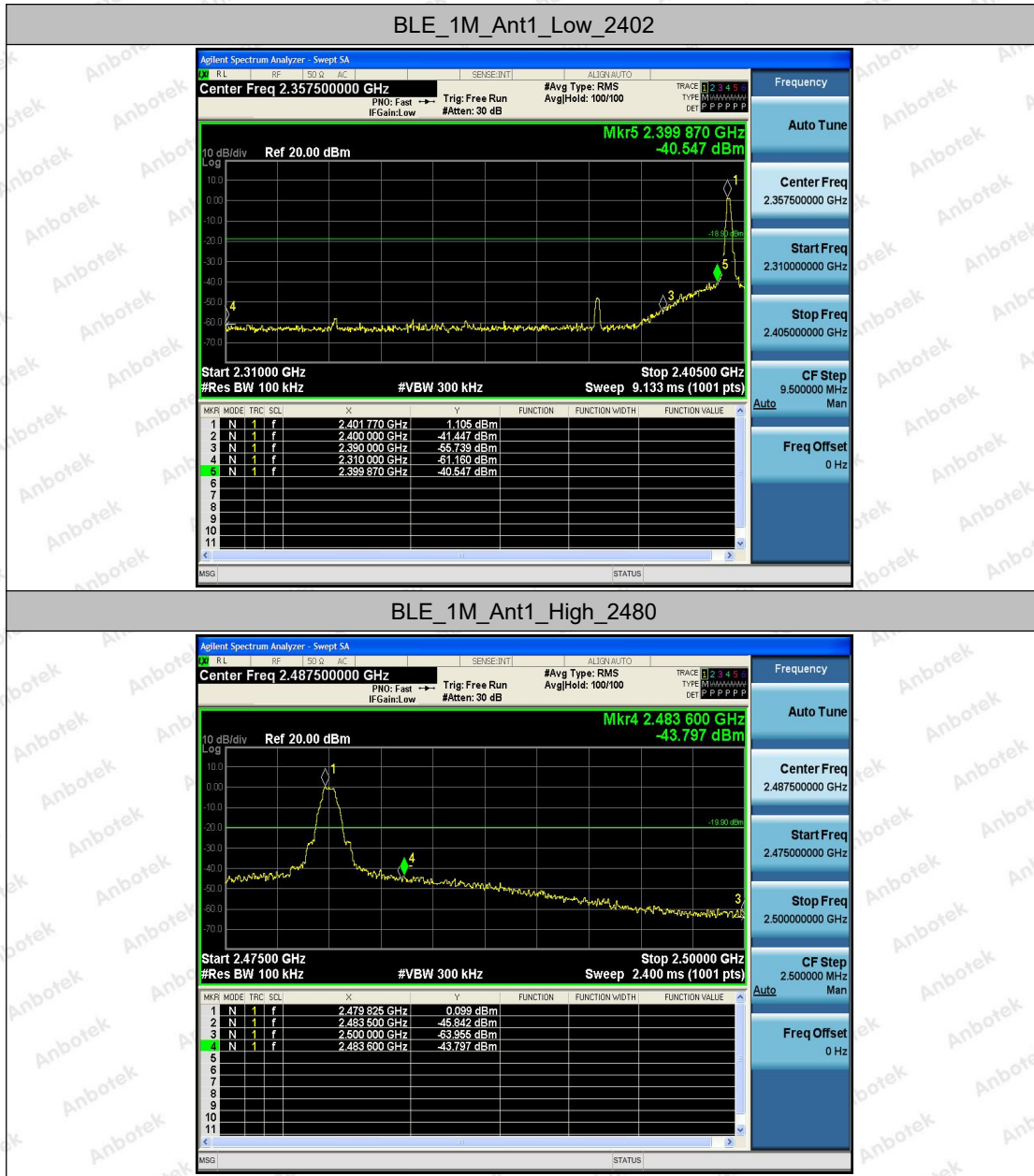
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch Name	Channel	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.11	-40.55	≤-18.9	PASS
		High	2480	0.10	-43.8	≤-19.9	PASS

Test Graphs

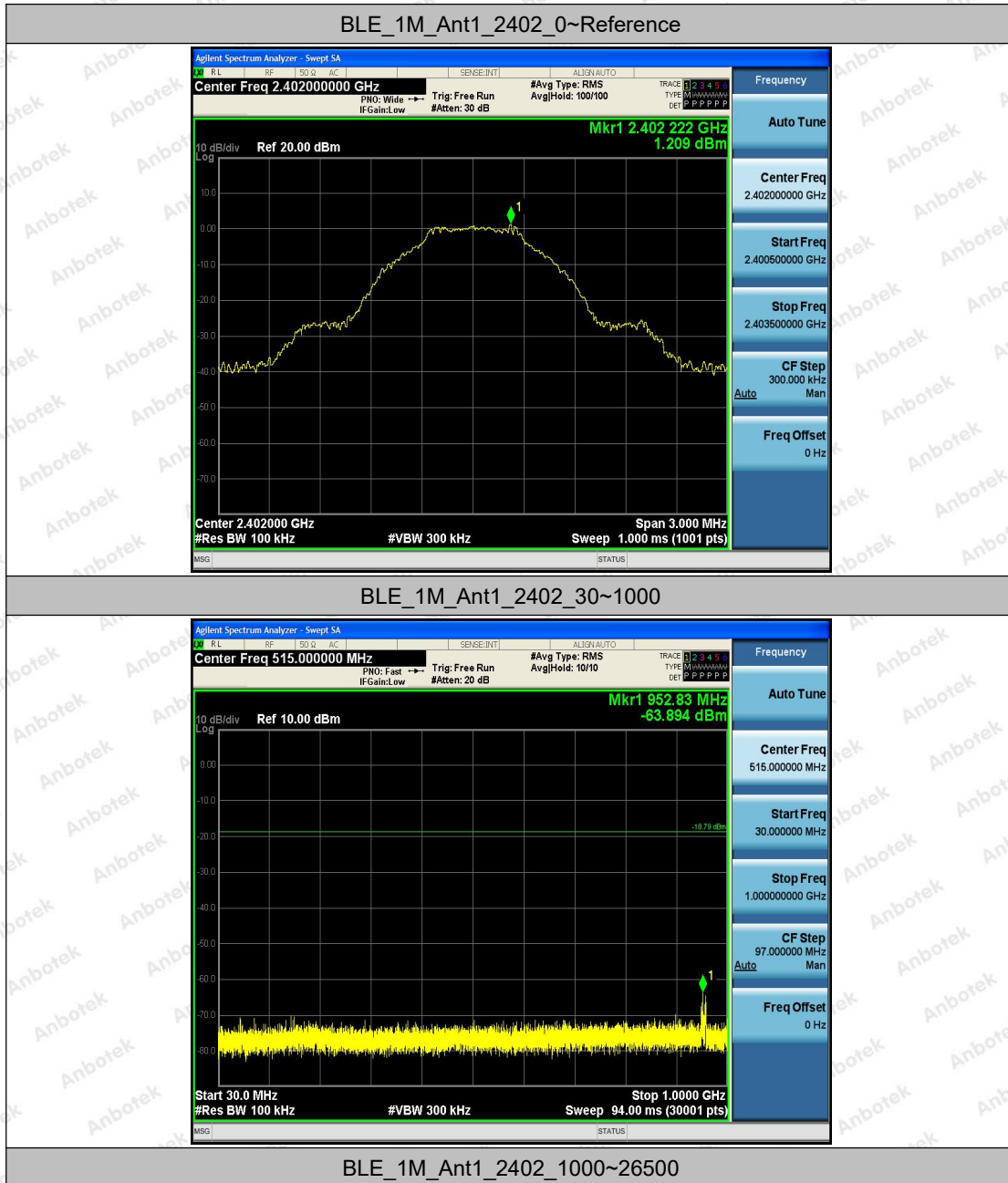


Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Channel	Freq Range [MHz]	Ref Level [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	1.21	1.21	---	PASS
			30~1000	1.21	-63.89	≤-18.79	PASS
			1000~26500	1.21	-51.92	≤-18.79	PASS
		2440	Reference	1.22	1.22	---	PASS
			30~1000	1.22	-69.47	≤-18.78	PASS
			1000~26500	1.22	-50.49	≤-18.78	PASS
		2480	Reference	-0.16	-0.16	---	PASS
			30~1000	-0.16	-68.97	≤-20.16	PASS
			1000~26500	-0.16	-51	≤-20.16	PASS

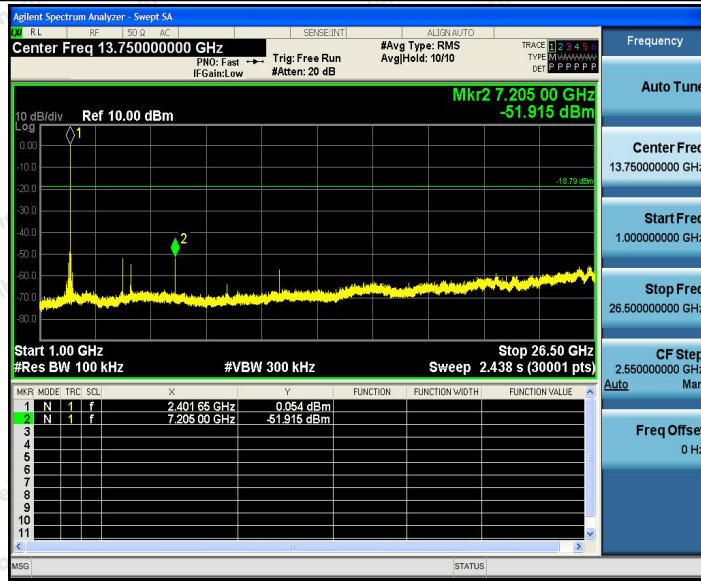
Test Graphs



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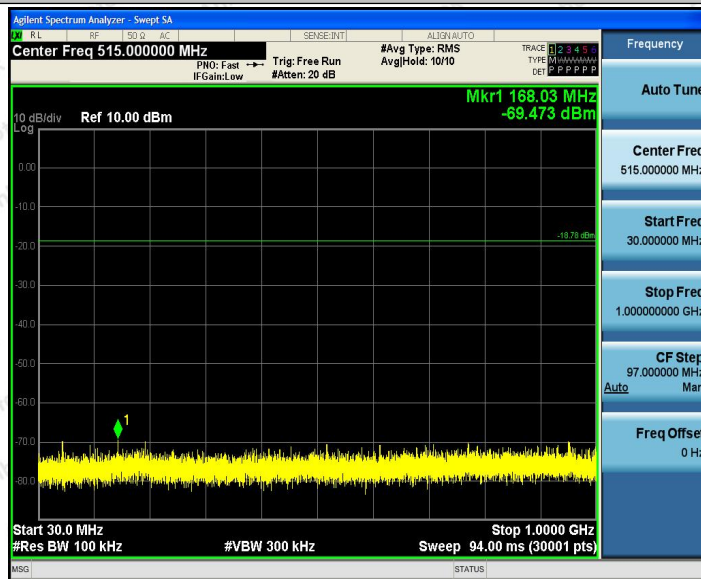
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BLE_1M_Ant1_2440_0~Reference



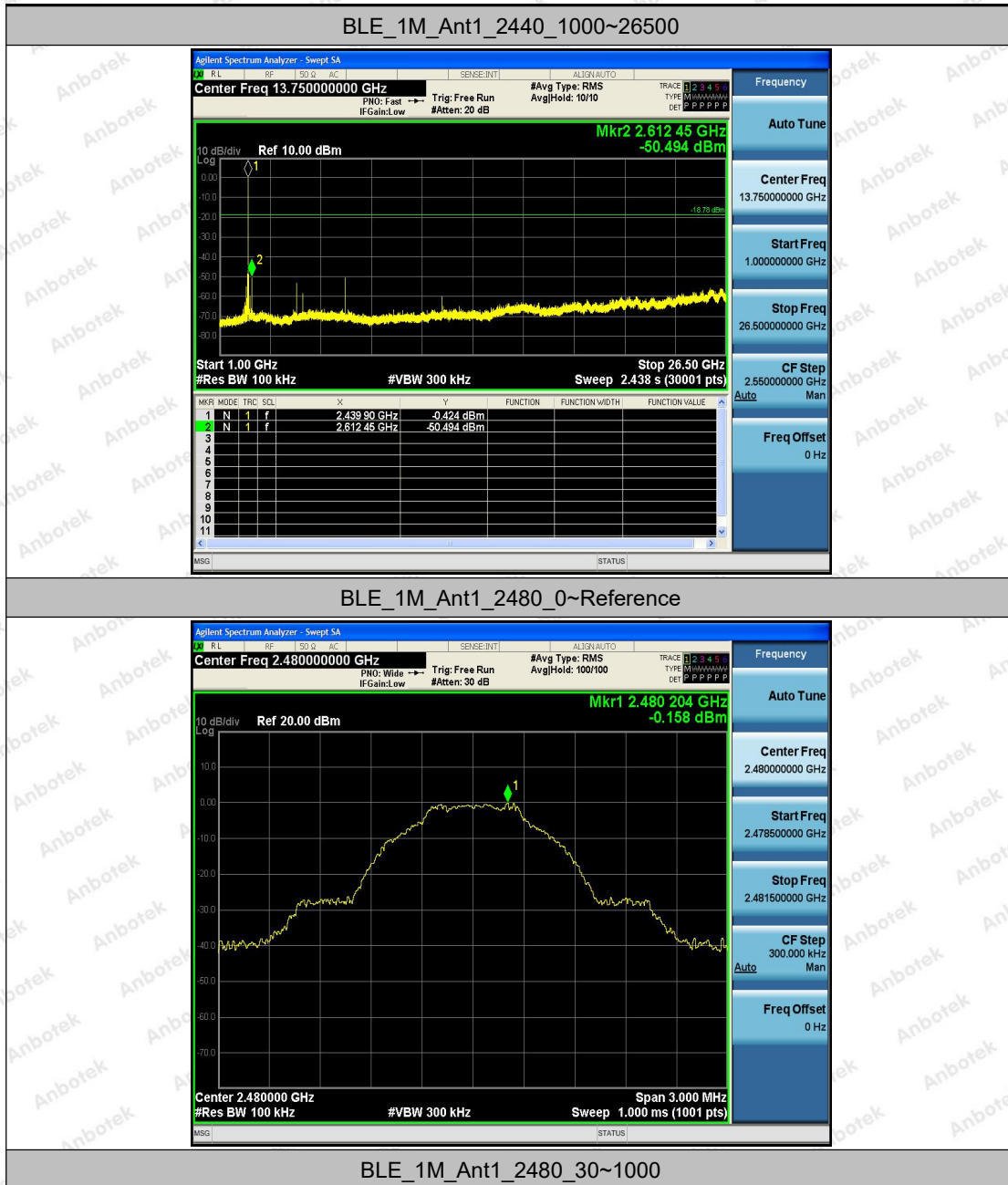
BLE_1M_Ant1_2440_30~1000



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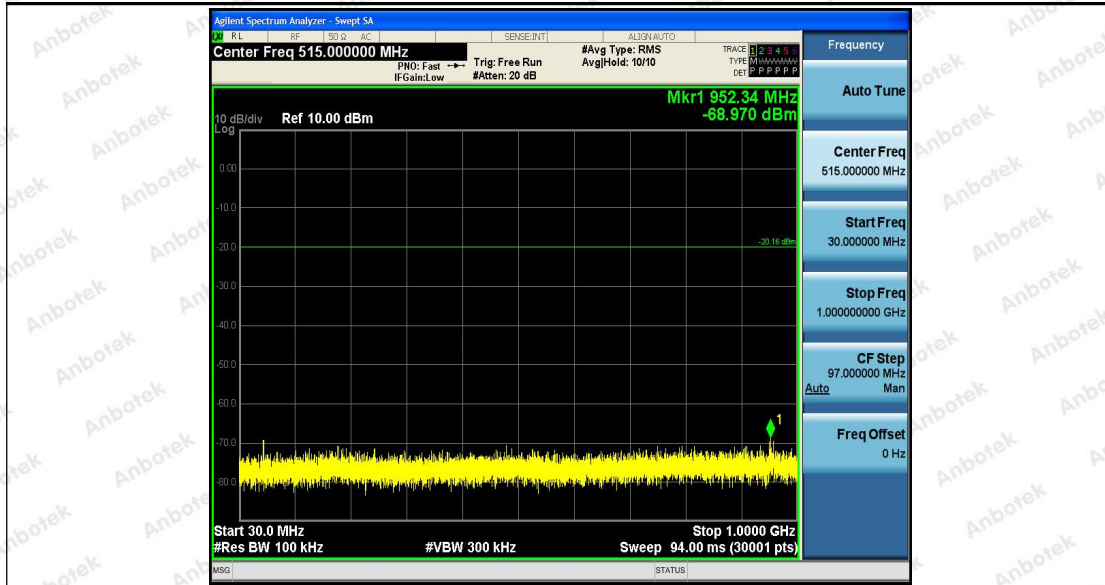
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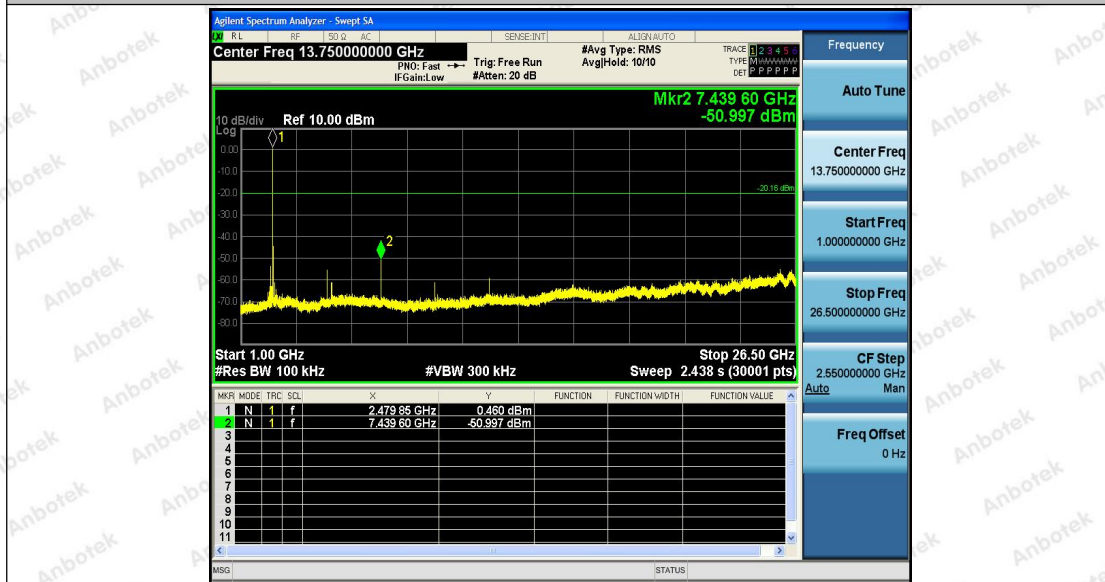
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BLE_1M_Ant1_2480_1000~26500



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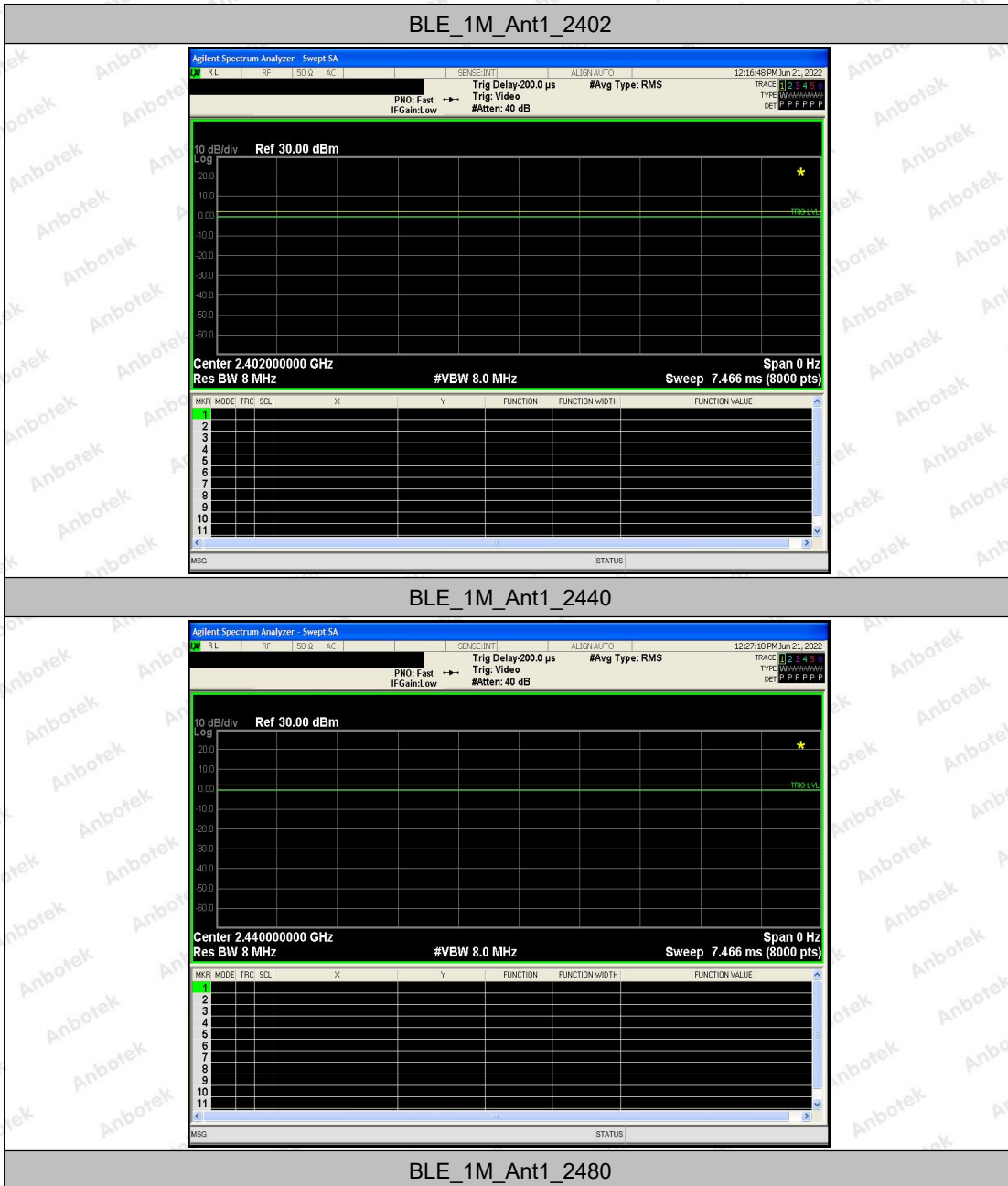
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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	X Factor	Limit	Verdict
BLE_1M	Ant1	2402	7.466	7.466	1	100	0	---	PASS
		2440	7.466	7.466	1	100	0	---	PASS
		2480	7.466	7.466	1	100	0	---	PASS

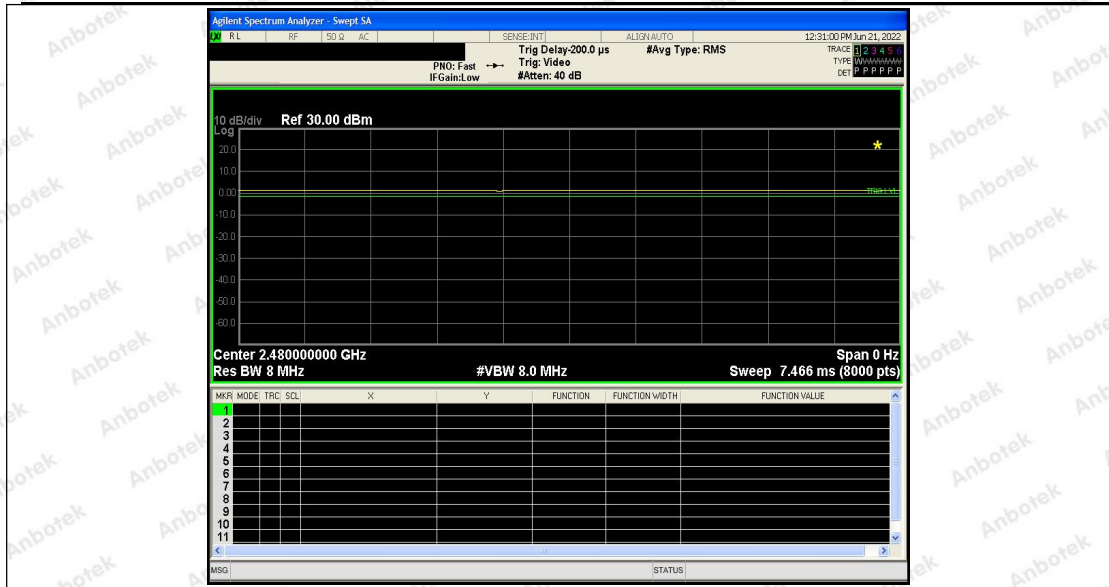
Test Graphs



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