

Appendix Test Data

Report No.:	18220WC20023501	Test Sample No.:	1-2-2
Start Test Date:	2022.2.22	Finish Test Date:	2022.5.6
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	Relative Humidity:	57 %
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	0.688	2401.648	2402.336	≥0.5	PASS
		2440	0.696	2439.652	2440.348	≥0.5	PASS
		2480	0.696	2479.652	2480.348	≥0.5	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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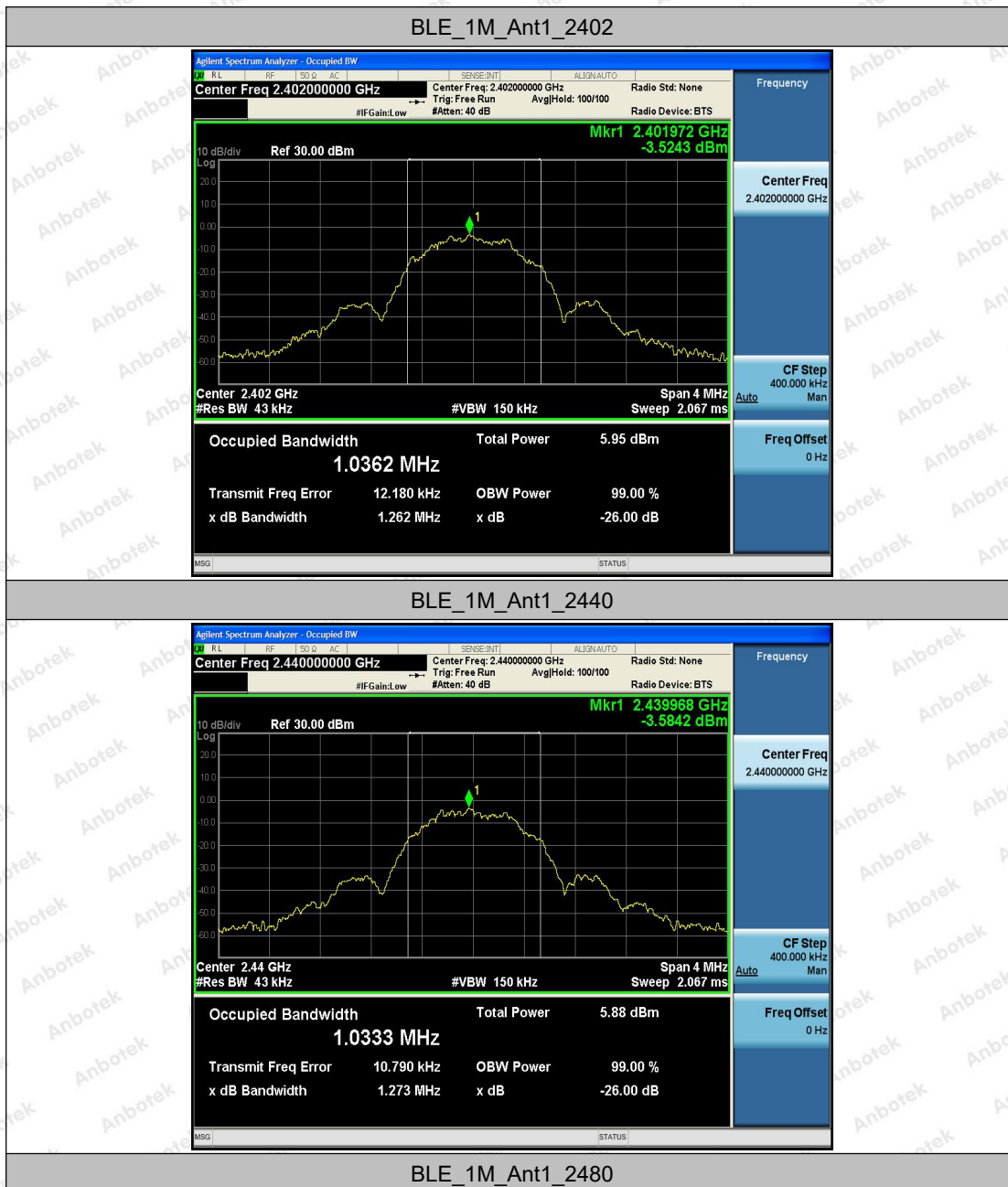
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Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0362	2401.494	2402.530	---	PASS
		2440	1.0333	2439.494	2440.527	---	PASS
		2480	1.0303	2479.493	2480.523	---	PASS

Test Graphs



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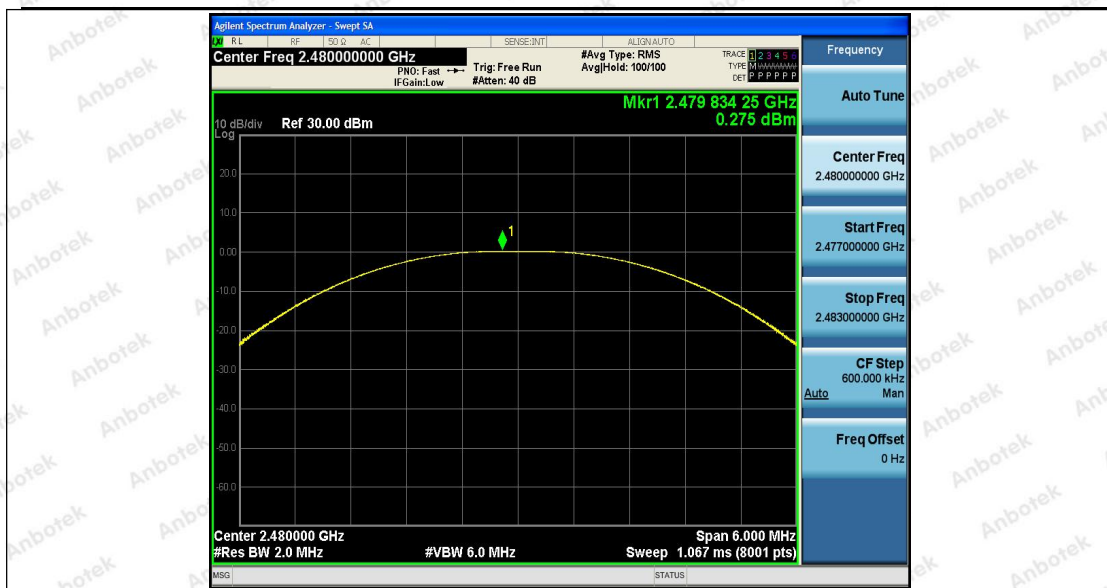
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Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.33	≤30	PASS
		2440	-0.45	≤30	PASS
		2480	0.28	≤30	PASS



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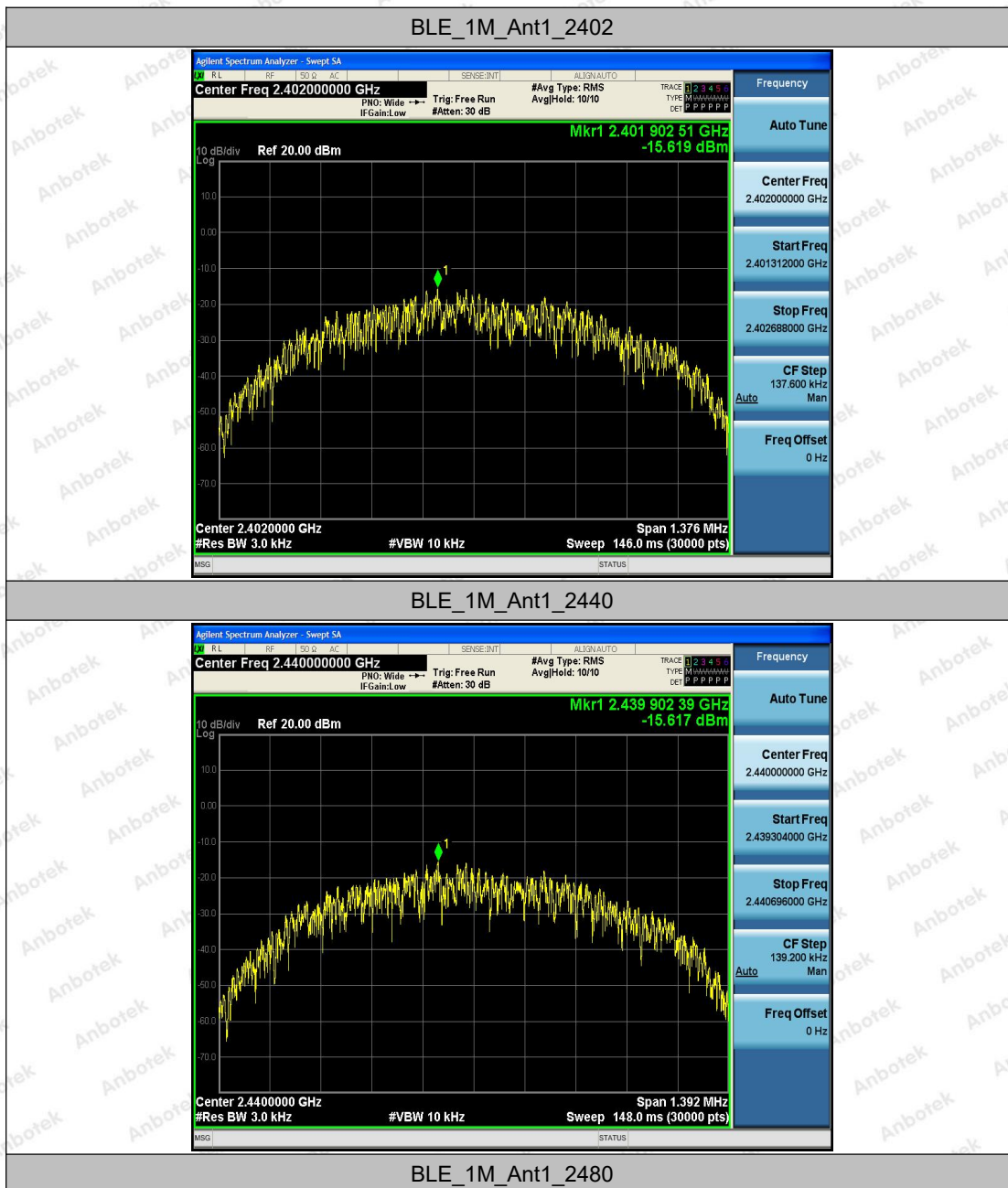
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Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.62	≤8	PASS
		2440	-15.62	≤8	PASS
		2480	-14.89	≤8	PASS

Test Graphs



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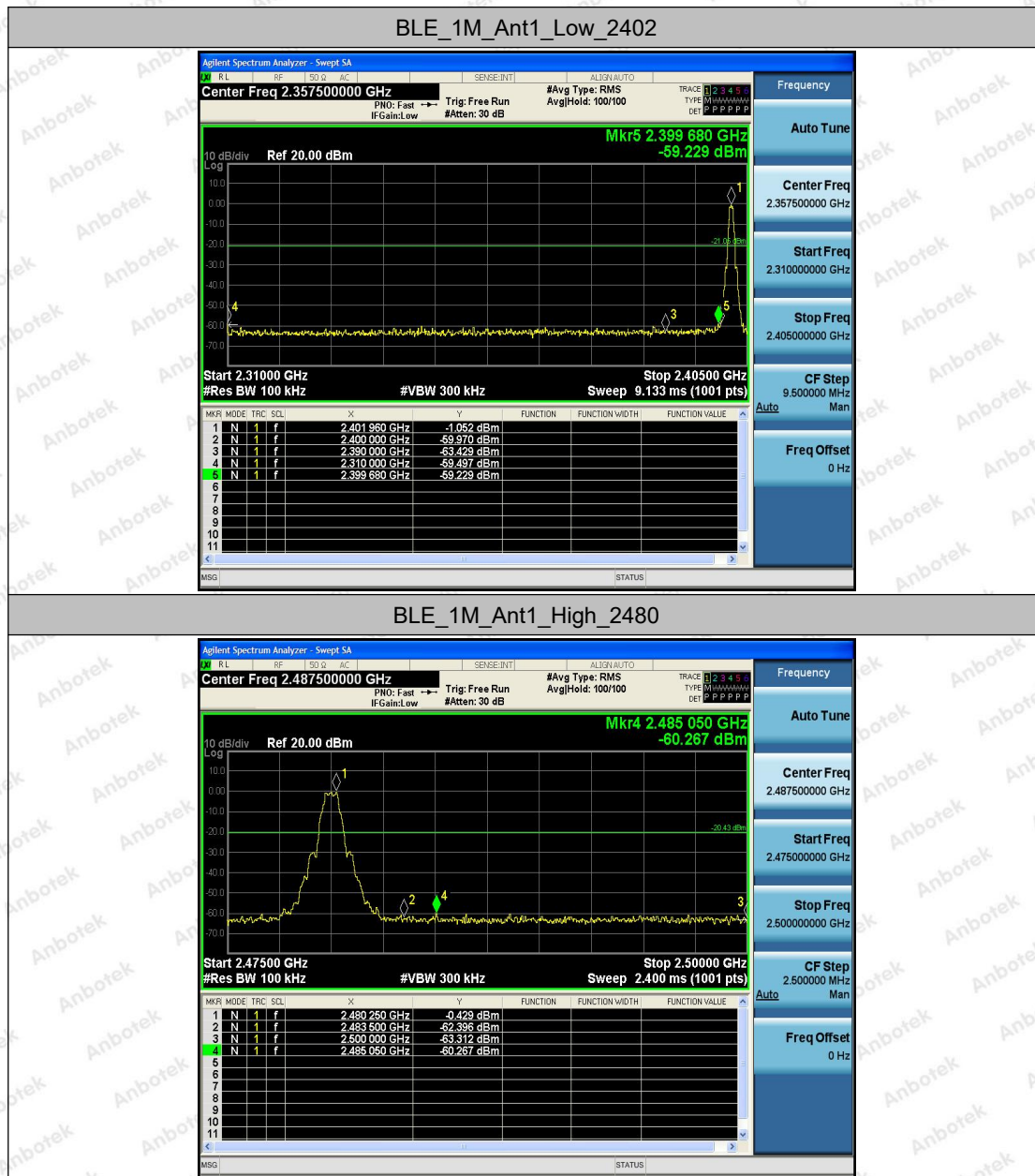
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch Name	Channel	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.05	-59.23	≤-21.05	PASS
		High	2480	-0.43	-60.27	≤-20.43	PASS

Test Graphs



Appendix F: Conducted Spurious Emission

Test Result

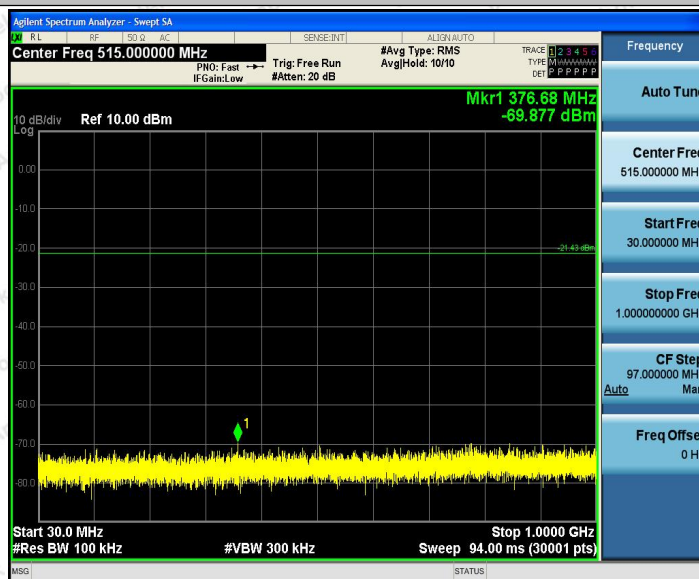
Test Mode	Antenna	Channel	Freq Range [MHz]	Ref Level [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-1.43	-1.43	---	PASS
			30~1000	-1.43	-69.88	≤ -21.43	PASS
			1000~26500	-1.43	-55.76	≤ -21.43	PASS
		2440	Reference	-1.40	-1.40	---	PASS
			30~1000	-1.40	-64.19	≤ -21.4	PASS
			1000~26500	-1.40	-56.11	≤ -21.4	PASS
		2480	Reference	-0.69	-0.69	---	PASS
			30~1000	-0.69	-66.42	≤ -20.69	PASS
			1000~26500	-0.69	-55.7	≤ -20.69	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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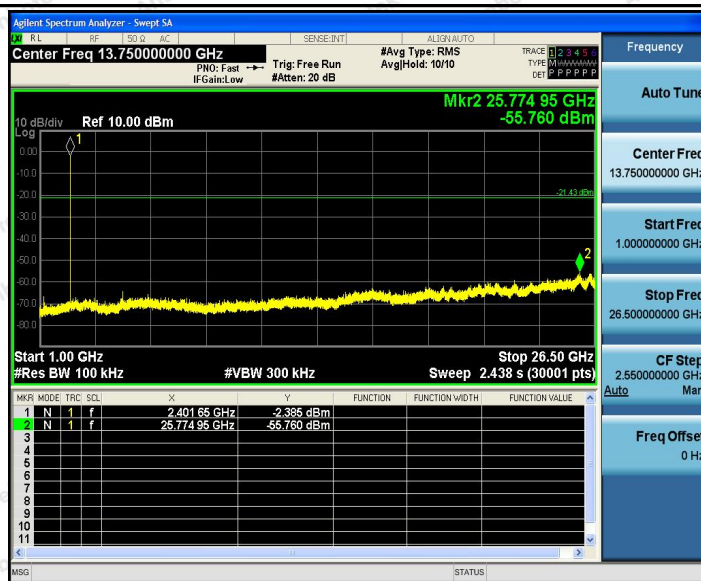
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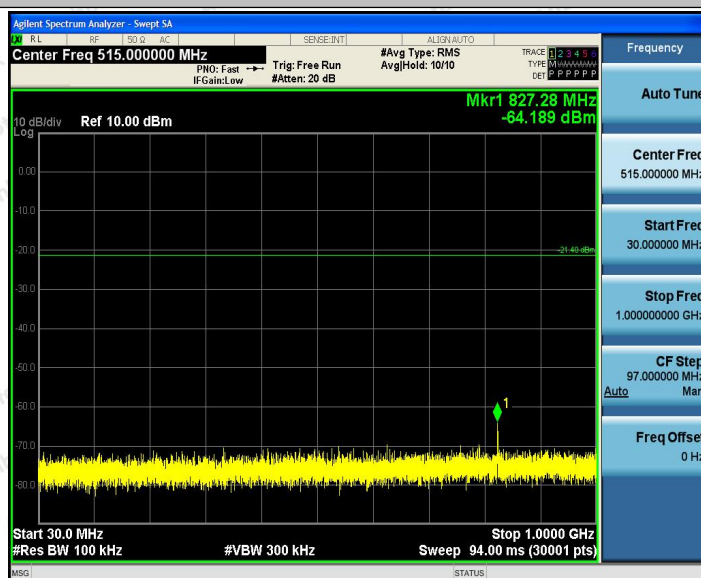
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



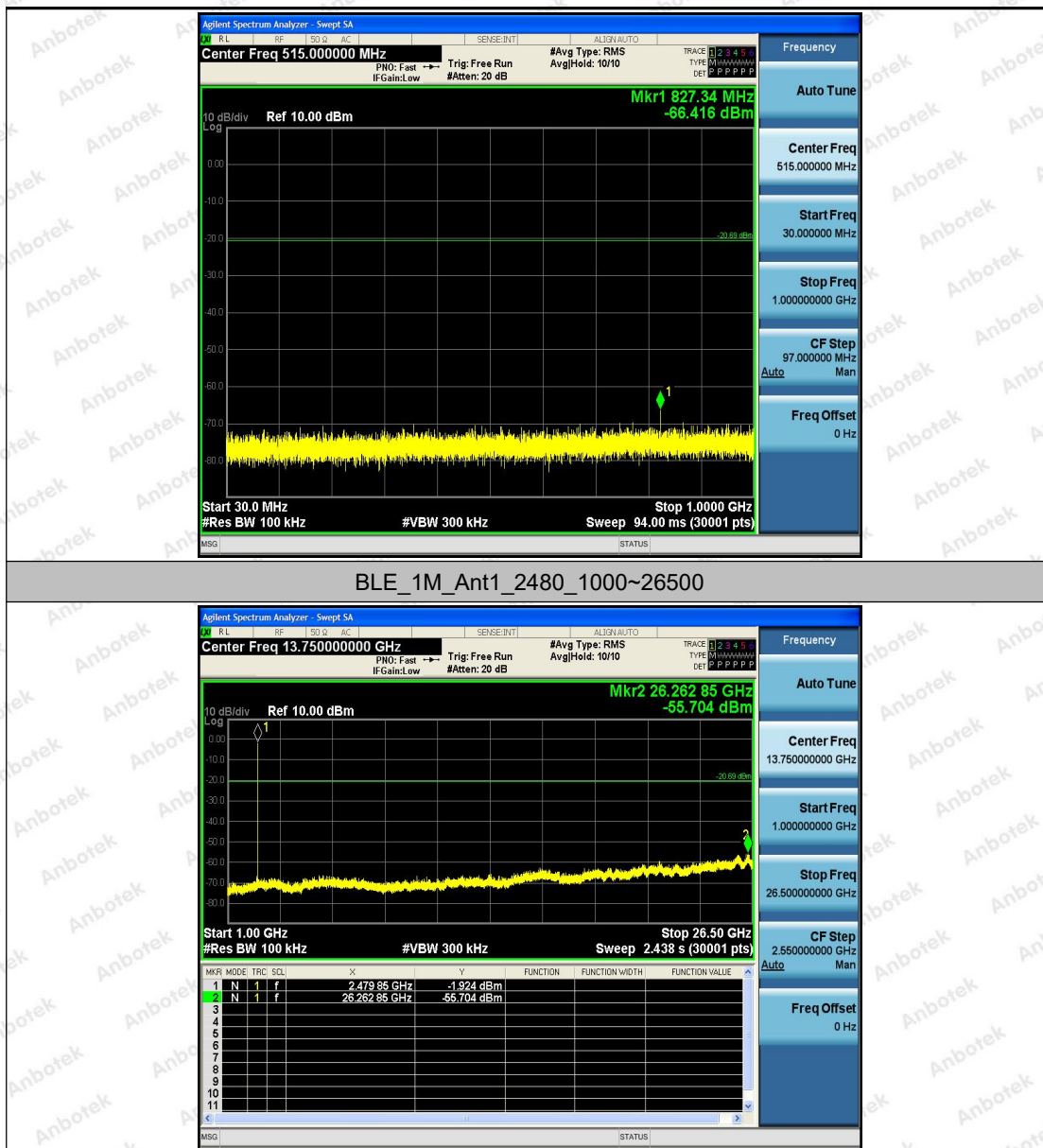
BLE_1M_Ant1_2480_30~1000

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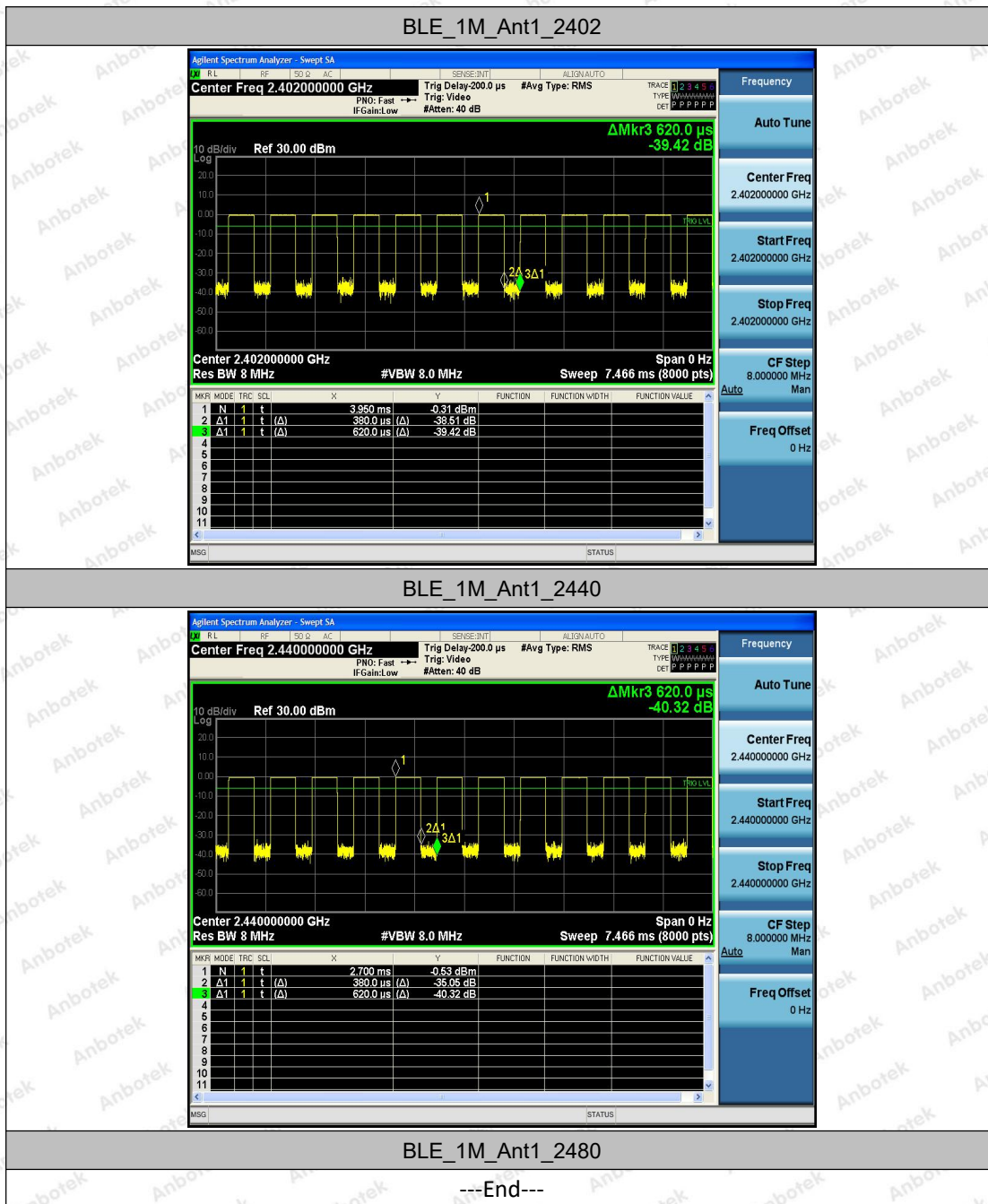
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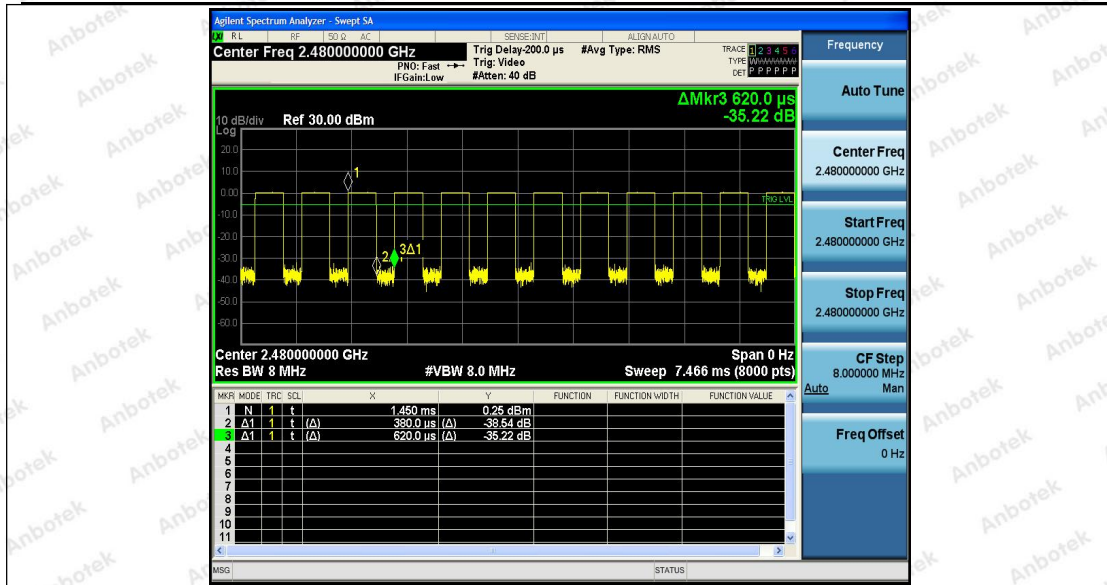
Appendix G: Duty Cycle

Test Result

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

Test Graphs





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