

Appendix Test Data

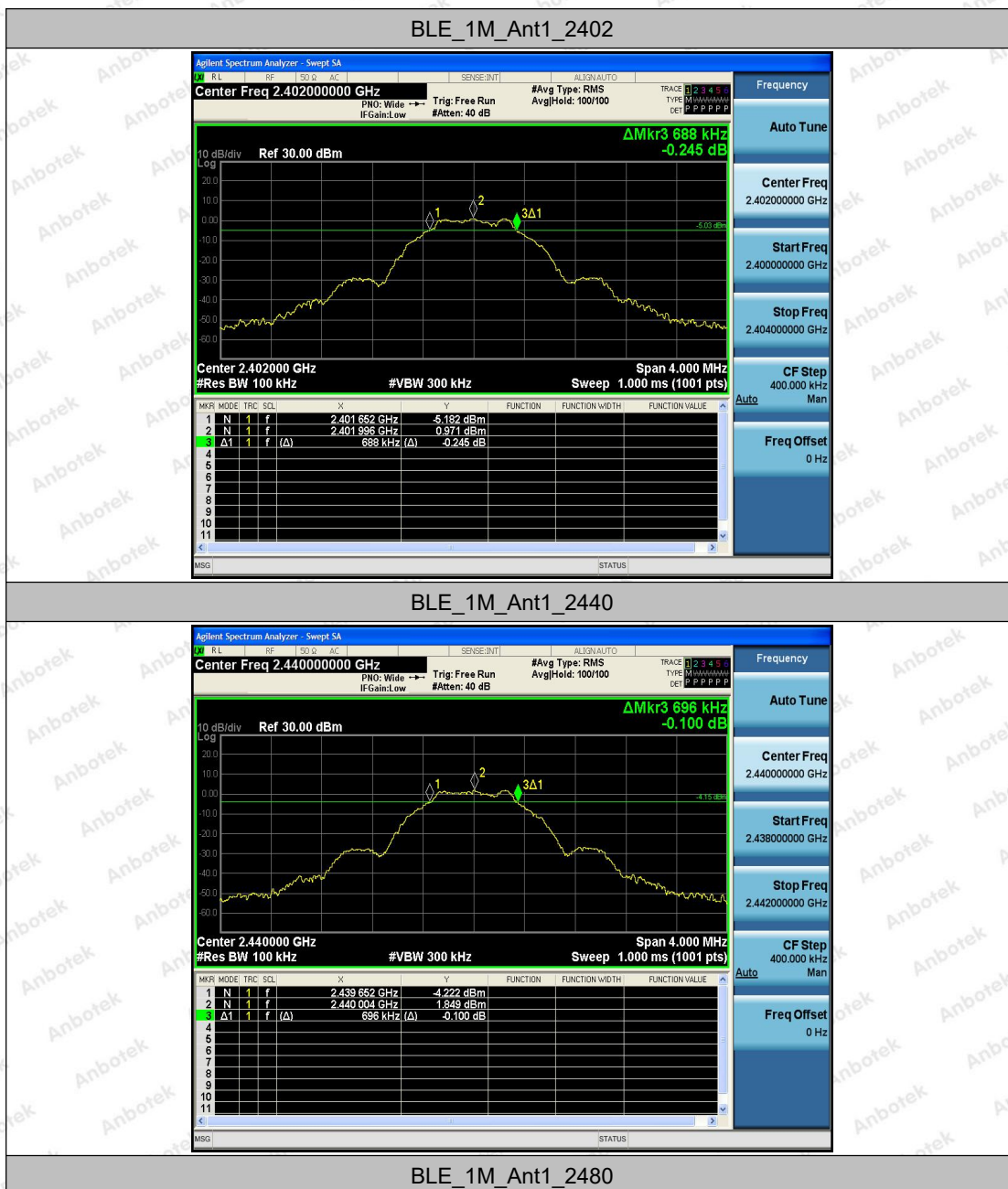
Report No.:	18220WC20103801	Test Sample No.:	1-2-2
Start Test Date:	2022.5.24	Finish Test Date:	2022..5.26
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3℃	Relative Humidity:	57.3 %
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.688	2401.652	2402.340	≥0.5	PASS
		2440	0.696	2439.652	2440.348	≥0.5	PASS
		2480	0.700	2479.648	2480.348	≥0.5	PASS

Test Graphs



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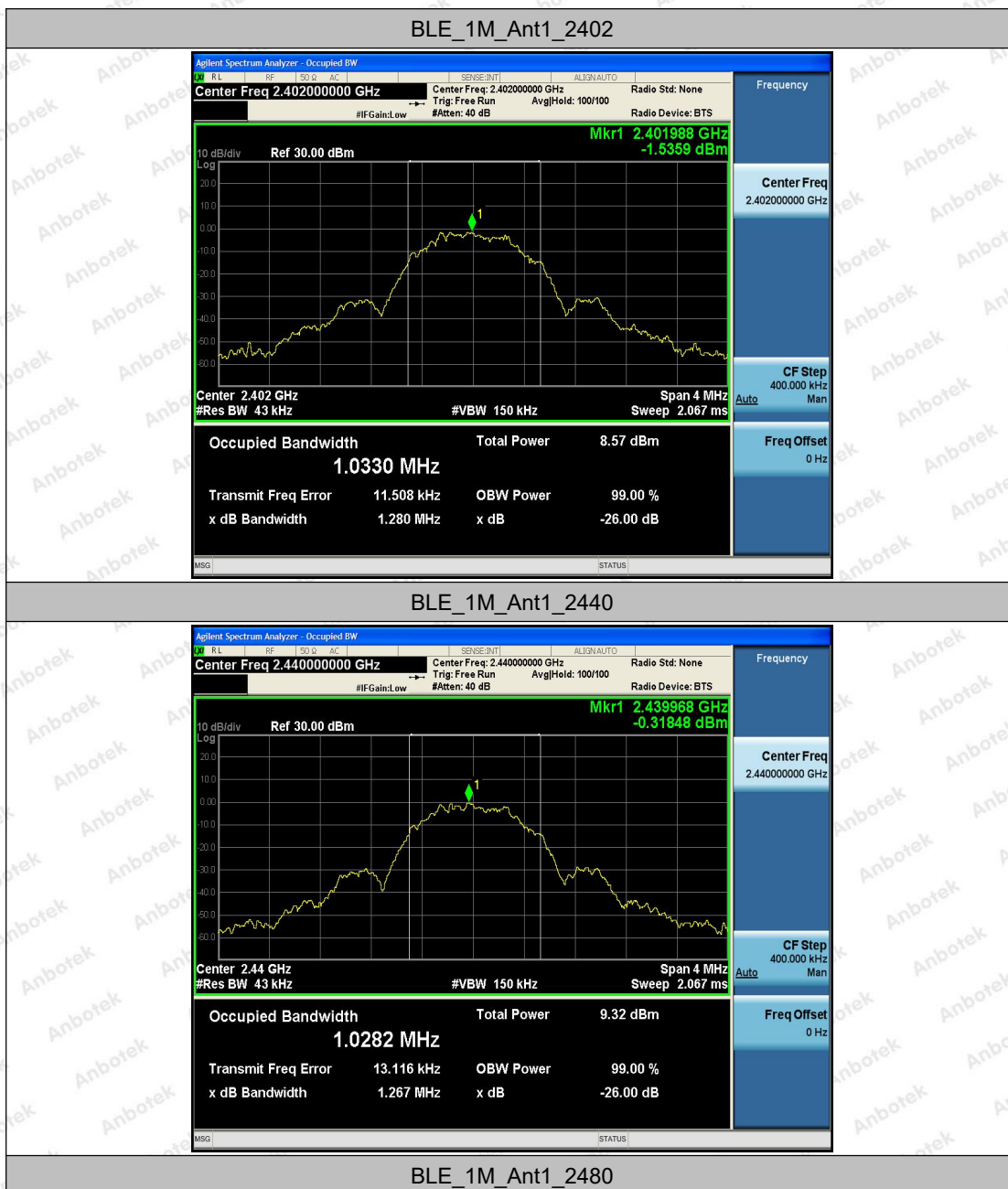
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Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0330	2401.495	2402.528	---	PASS
		2440	1.0282	2439.499	2440.527	---	PASS
		2480	1.0269	2479.497	2480.524	---	PASS

Test Graphs



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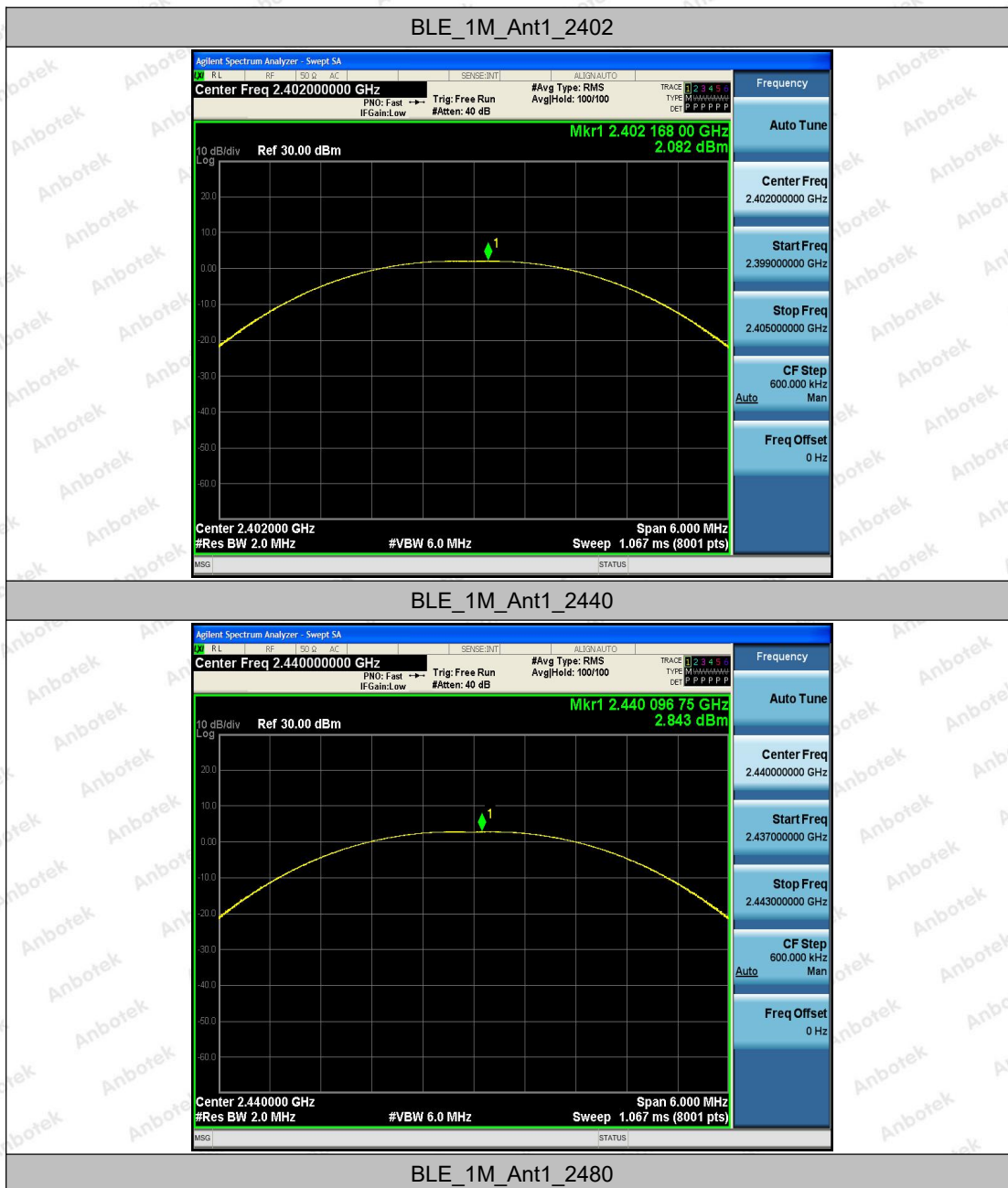
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Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.08	≤30	PASS
		2440	2.84	≤30	PASS
		2480	2.53	≤30	PASS

Test Graphs

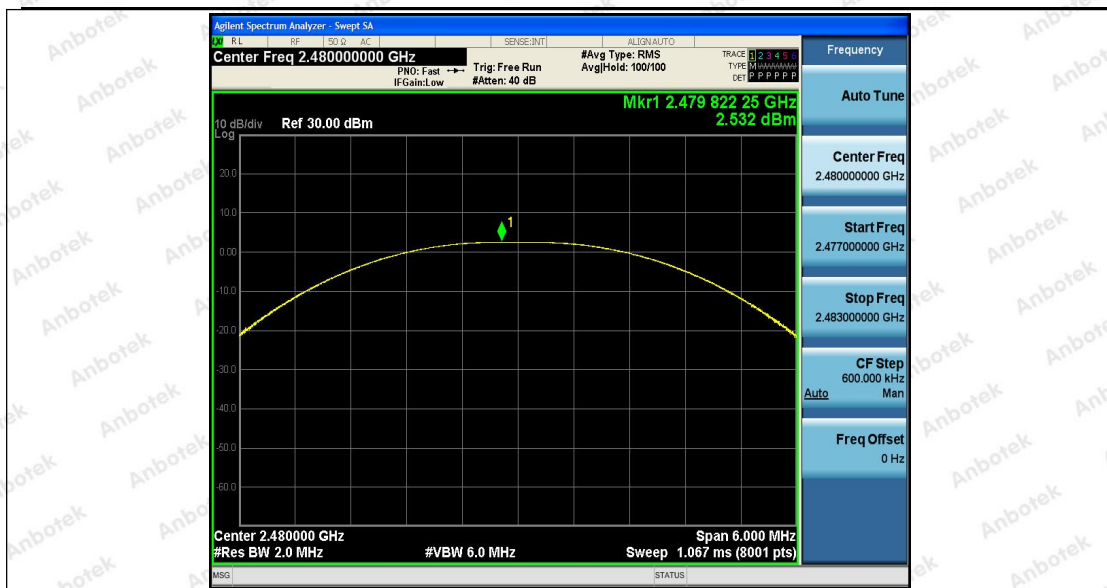


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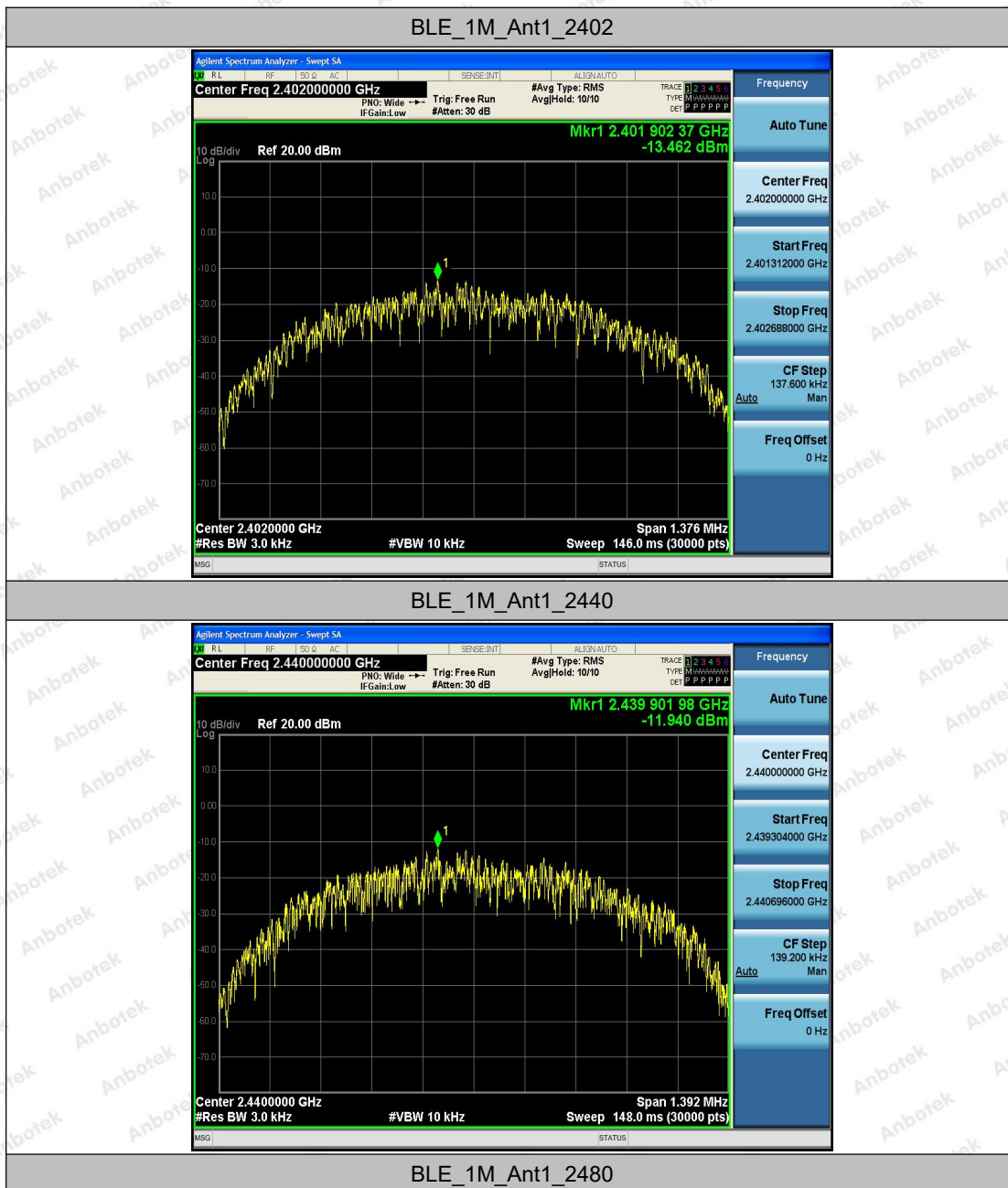
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Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.46	≤8	PASS
		2440	-11.94	≤8	PASS
		2480	-12.7	≤8	PASS

Test Graphs

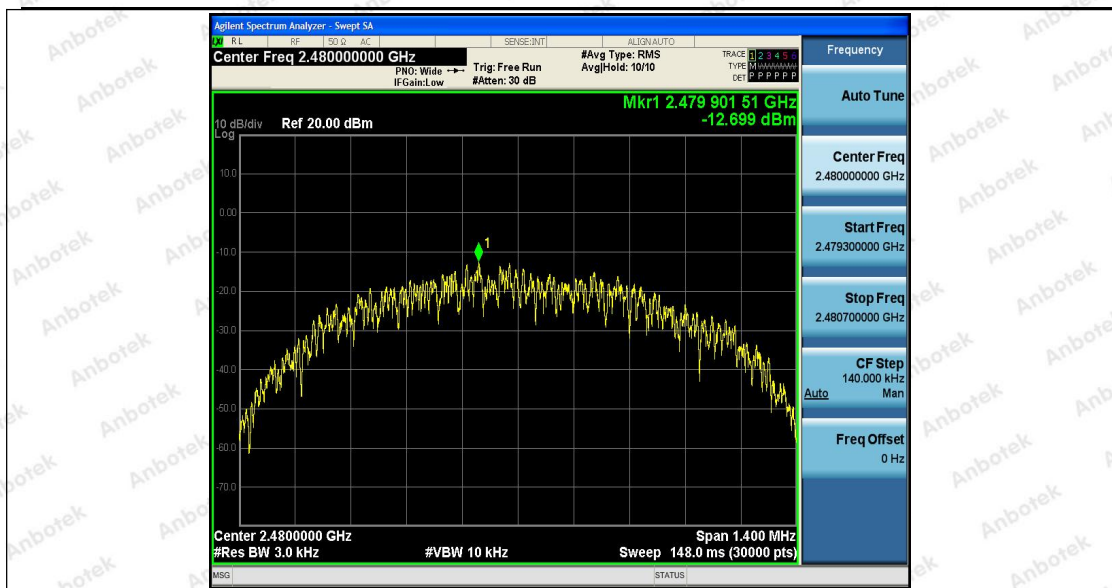


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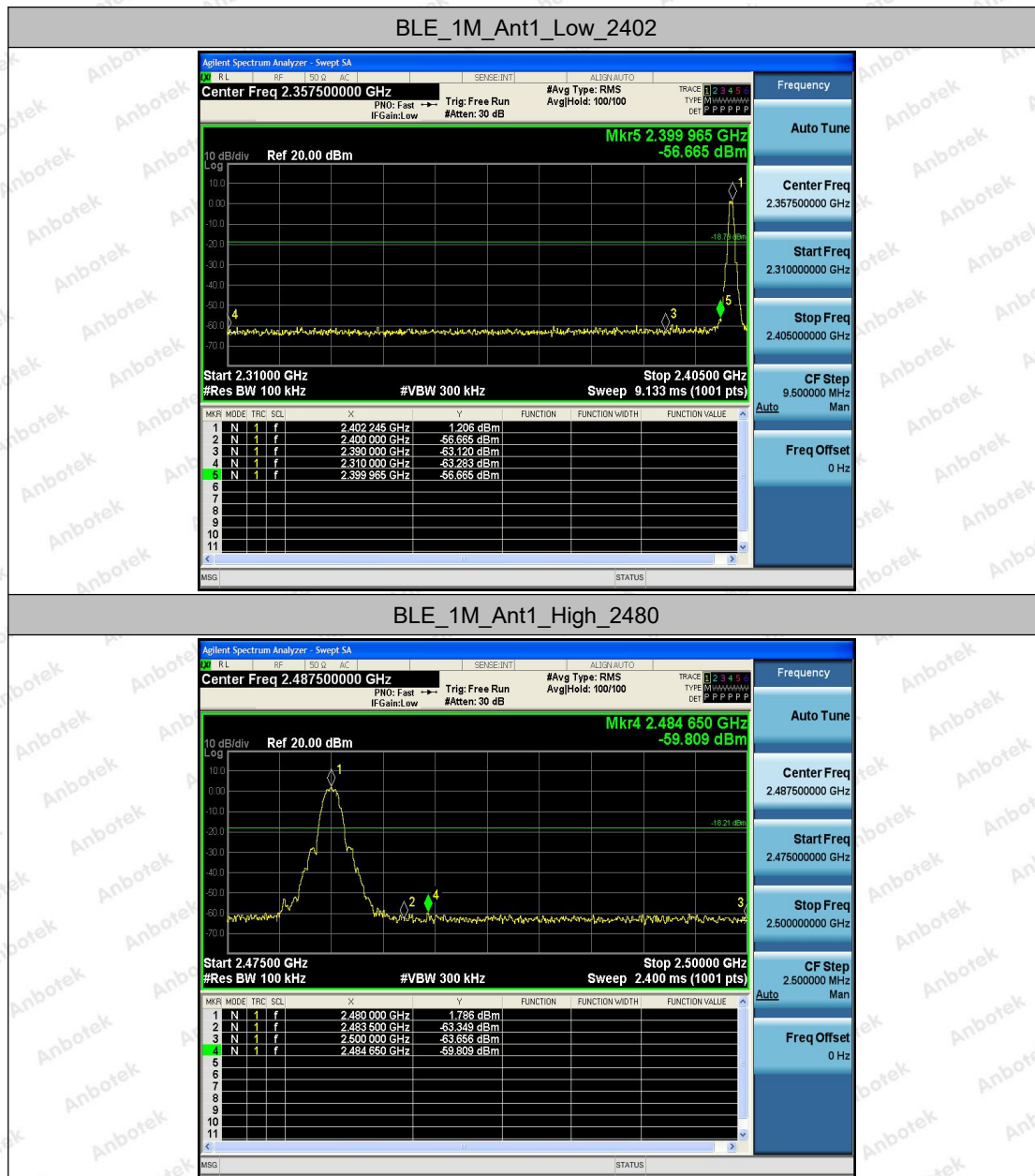
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch Name	Channel	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.21	-56.67	≤-18.79	PASS
		High	2480	1.79	-59.81	≤-18.21	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

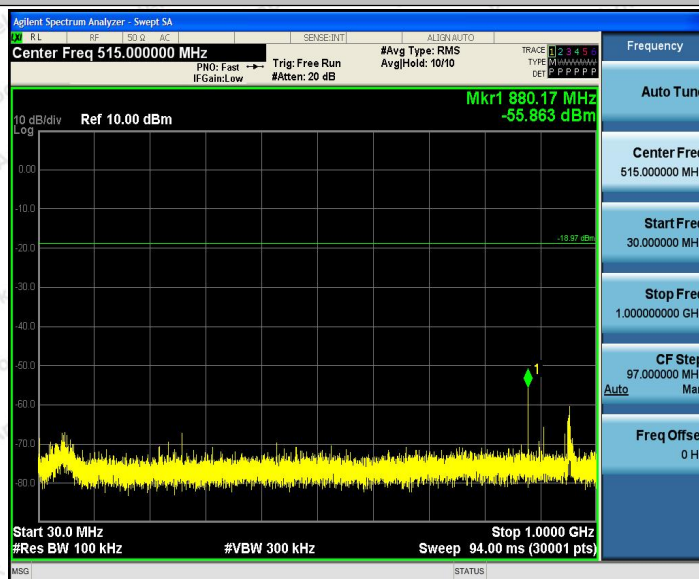
Test Mode	Antenna	Channel	Freq Range [MHz]	Ref Level [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	1.03	1.03	---	PASS
			30~1000	1.03	-55.86	≤-18.97	PASS
			1000~26500	1.03	-54.82	≤-18.97	PASS
		2440	Reference	2.23	2.23	---	PASS
			30~1000	2.23	-55.93	≤-17.77	PASS
			1000~26500	2.23	-55.61	≤-17.77	PASS
		2480	Reference	1.60	1.60	---	PASS
			30~1000	1.60	-65.29	≤-18.4	PASS
			1000~26500	1.60	-54.62	≤-18.4	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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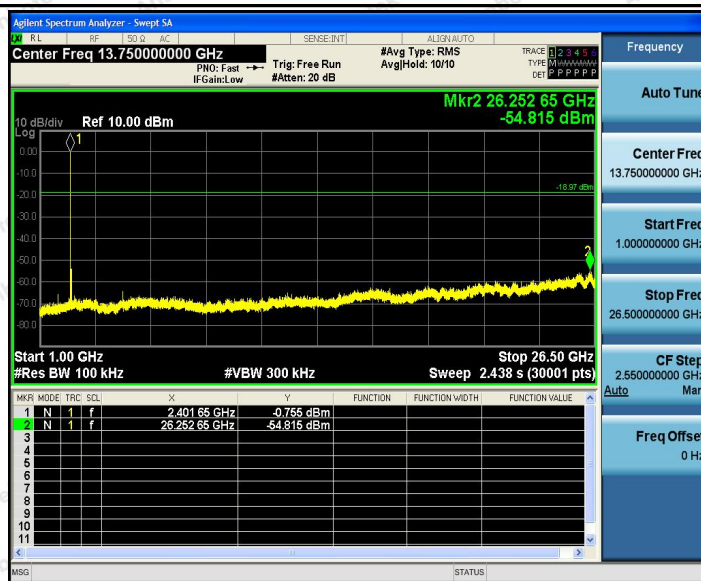
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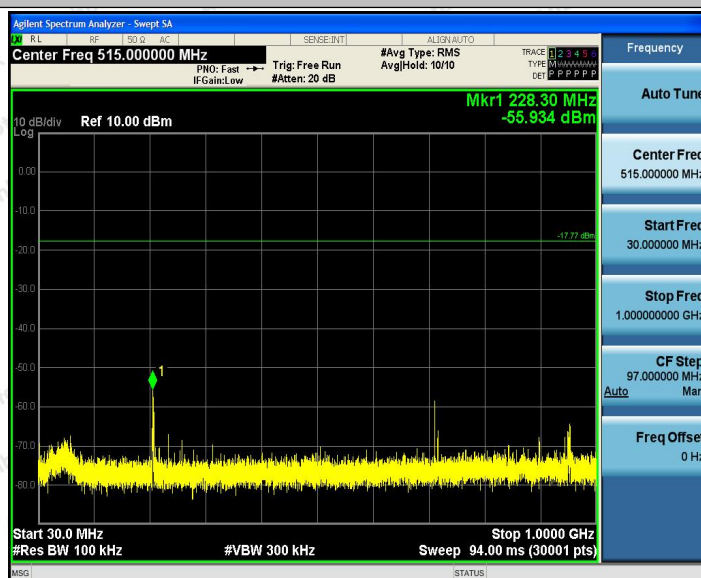
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



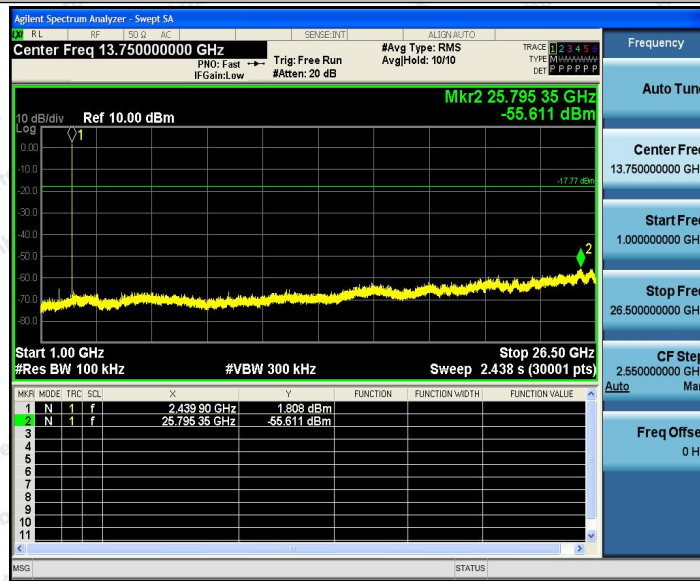
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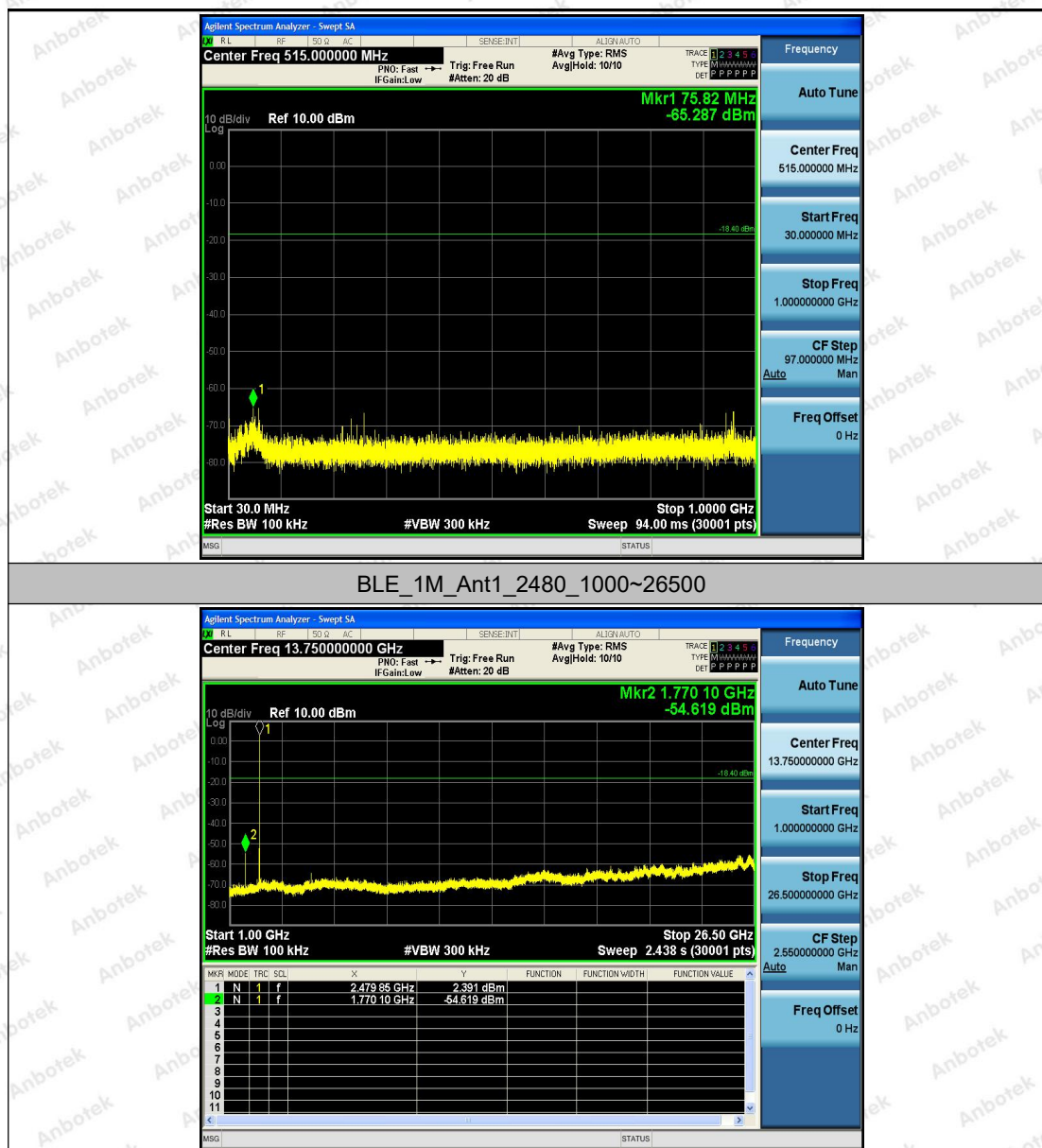
BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000



Appendix G: Duty Cycle

Test Result

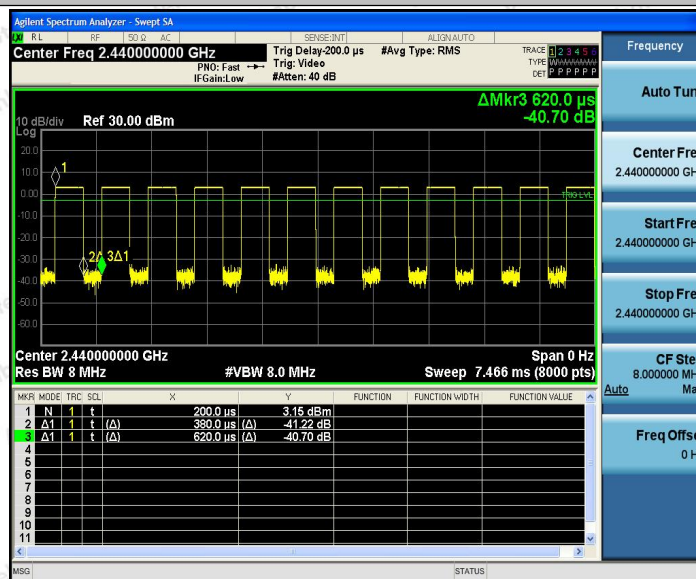
Test Mode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	X Factor	Limit	Verdict
BLE_1M	Ant1	2402	0.38	0.62	0.6129	61.29	2.13	---	PASS
		2440	0.38	0.62	0.6129	61.29	2.13	---	PASS
		2480	0.38	0.62	0.6129	61.29	2.13	---	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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