

Appendix Test Data

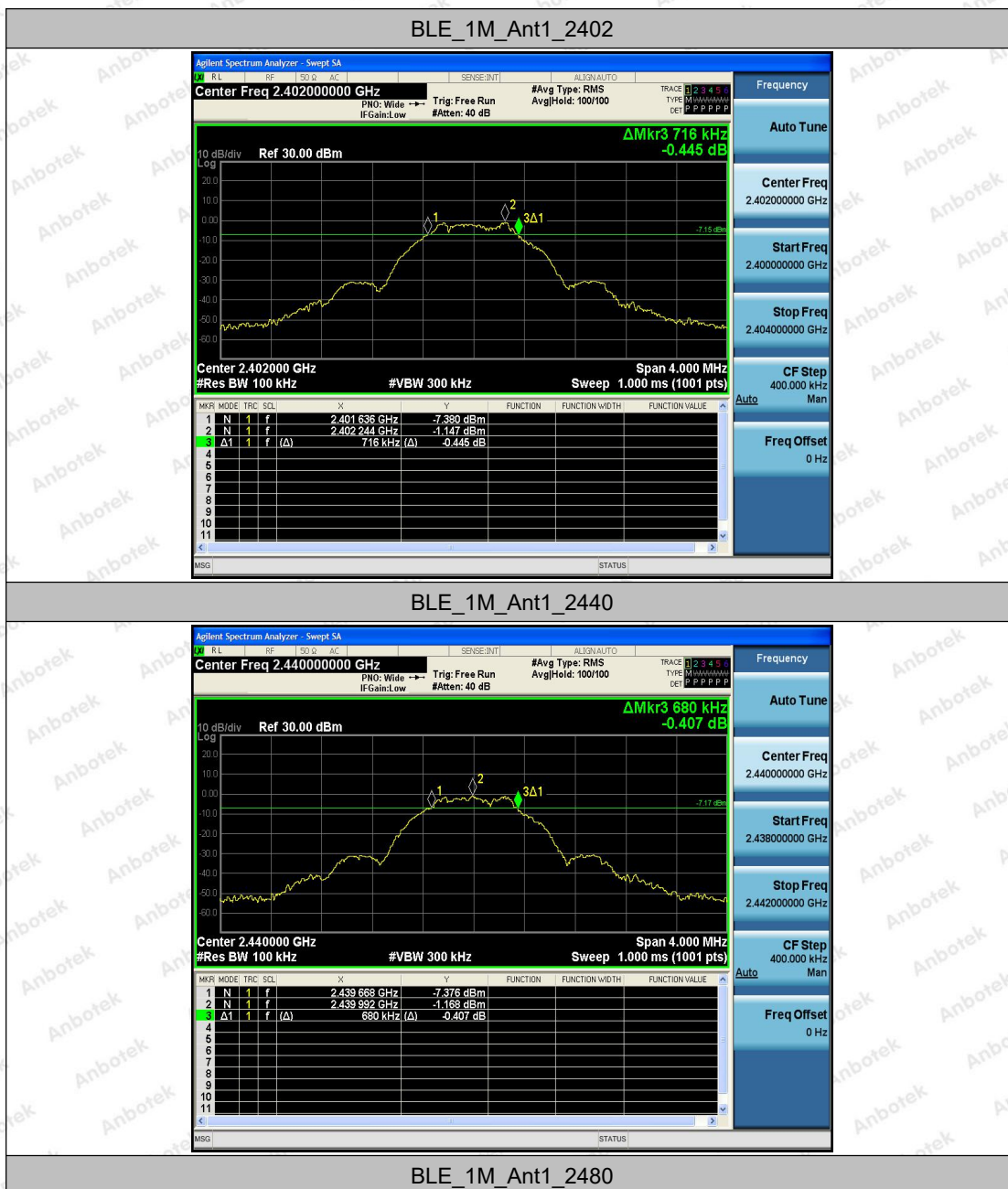
Report No.:	18220WC20041101	Test Sample No.:	1-2-2
Start Test Date:	2022.3.3	Finish Test Date:	2022.3.7
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3℃	Relative Humidity:	56 %
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.716	2401.636	2402.352	≥0.5	PASS
		2440	0.680	2439.668	2440.348	≥0.5	PASS
		2480	0.704	2479.636	2480.340	≥0.5	PASS

Test Graphs



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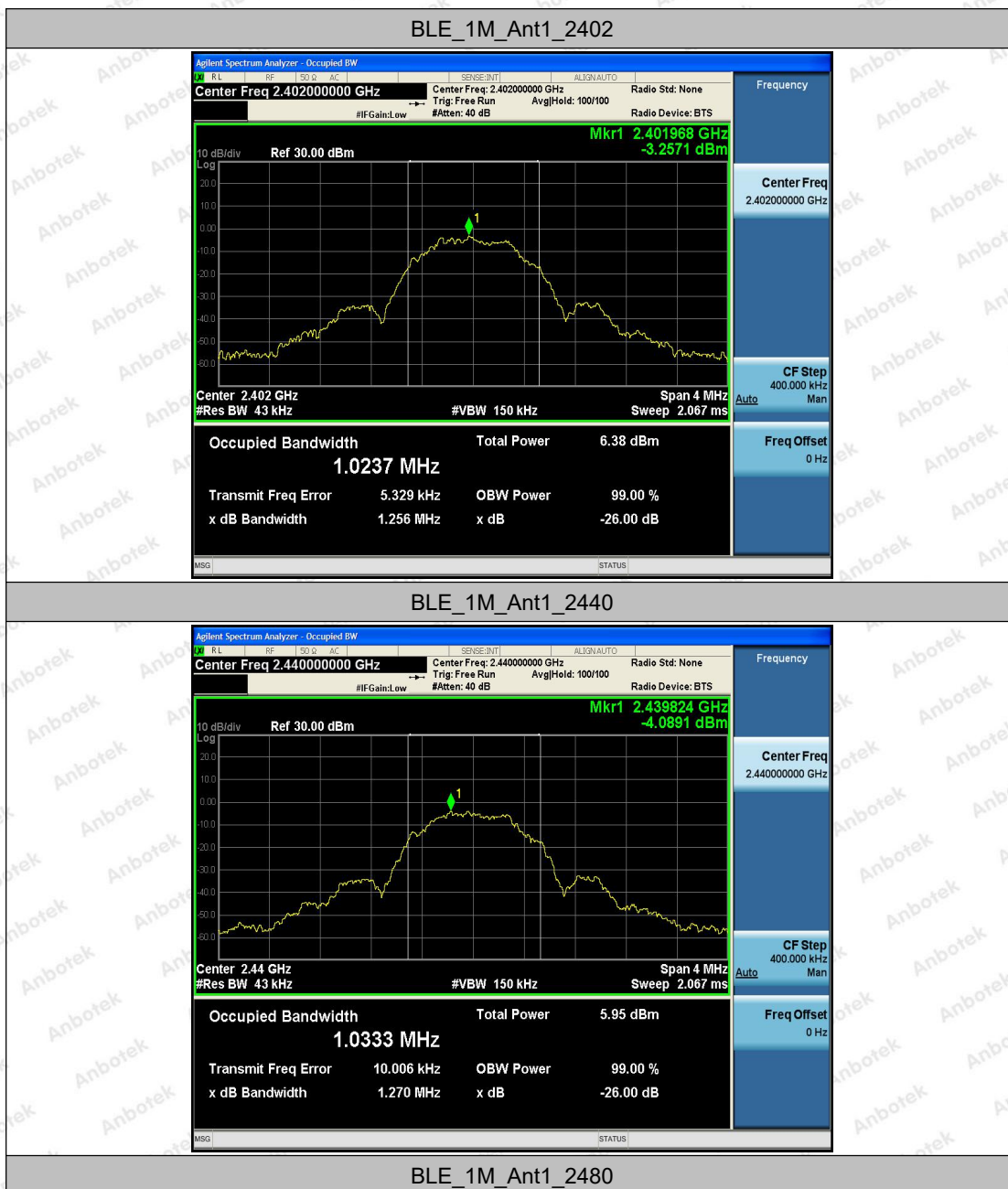
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0237	2401.493	2402.517	---	PASS
		2440	1.0333	2439.493	2440.527	---	PASS
		2480	1.0212	2479.498	2480.519	---	PASS

Test Graphs



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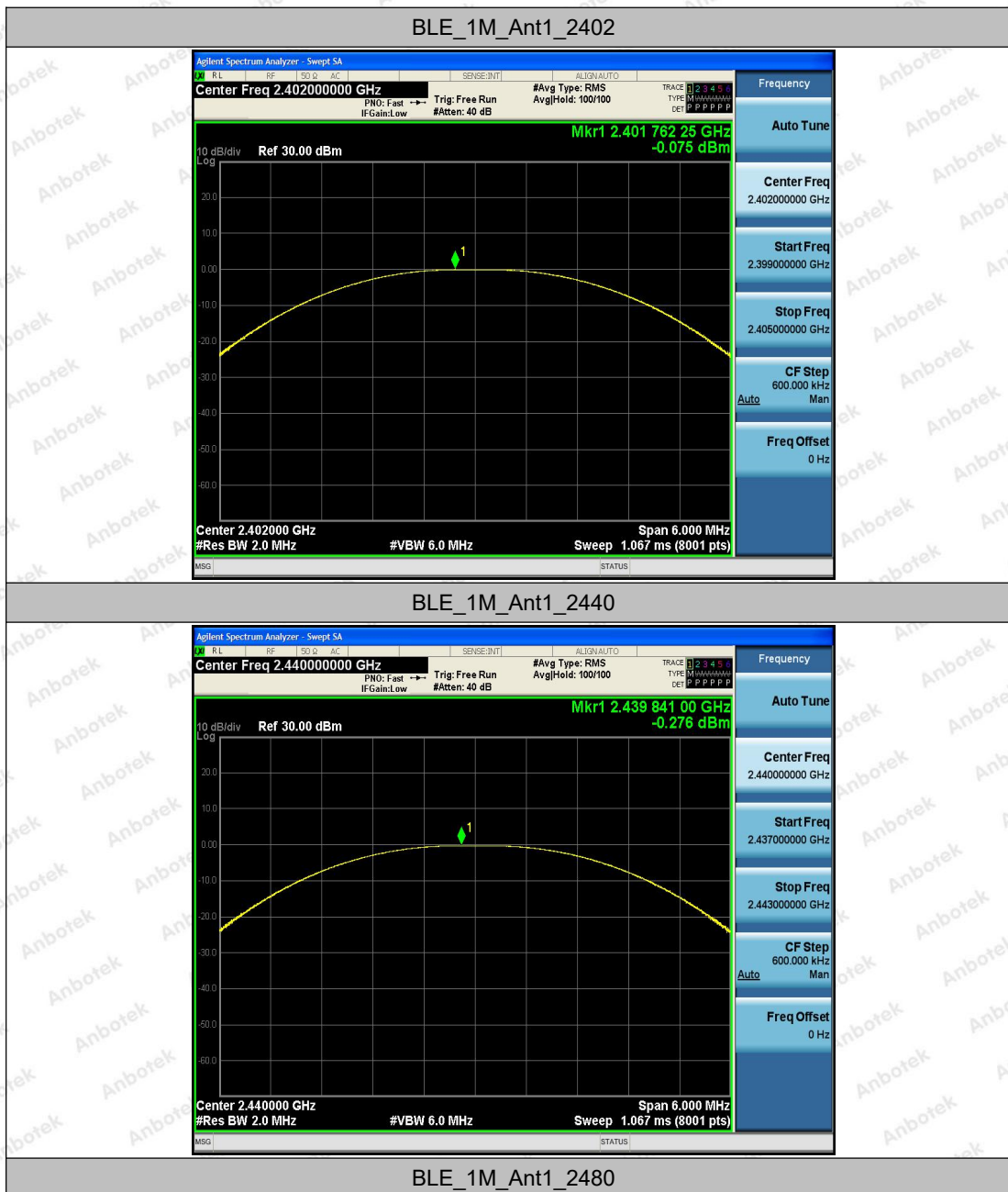
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.08	≤30	PASS
		2440	-0.28	≤30	PASS
		2480	0.55	≤30	PASS

Test Graphs

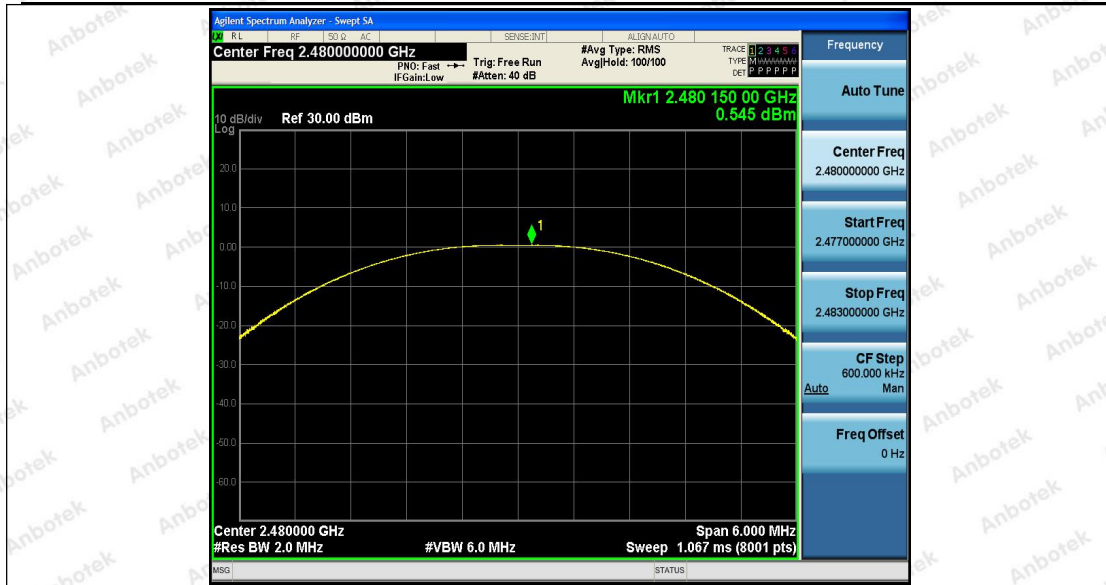


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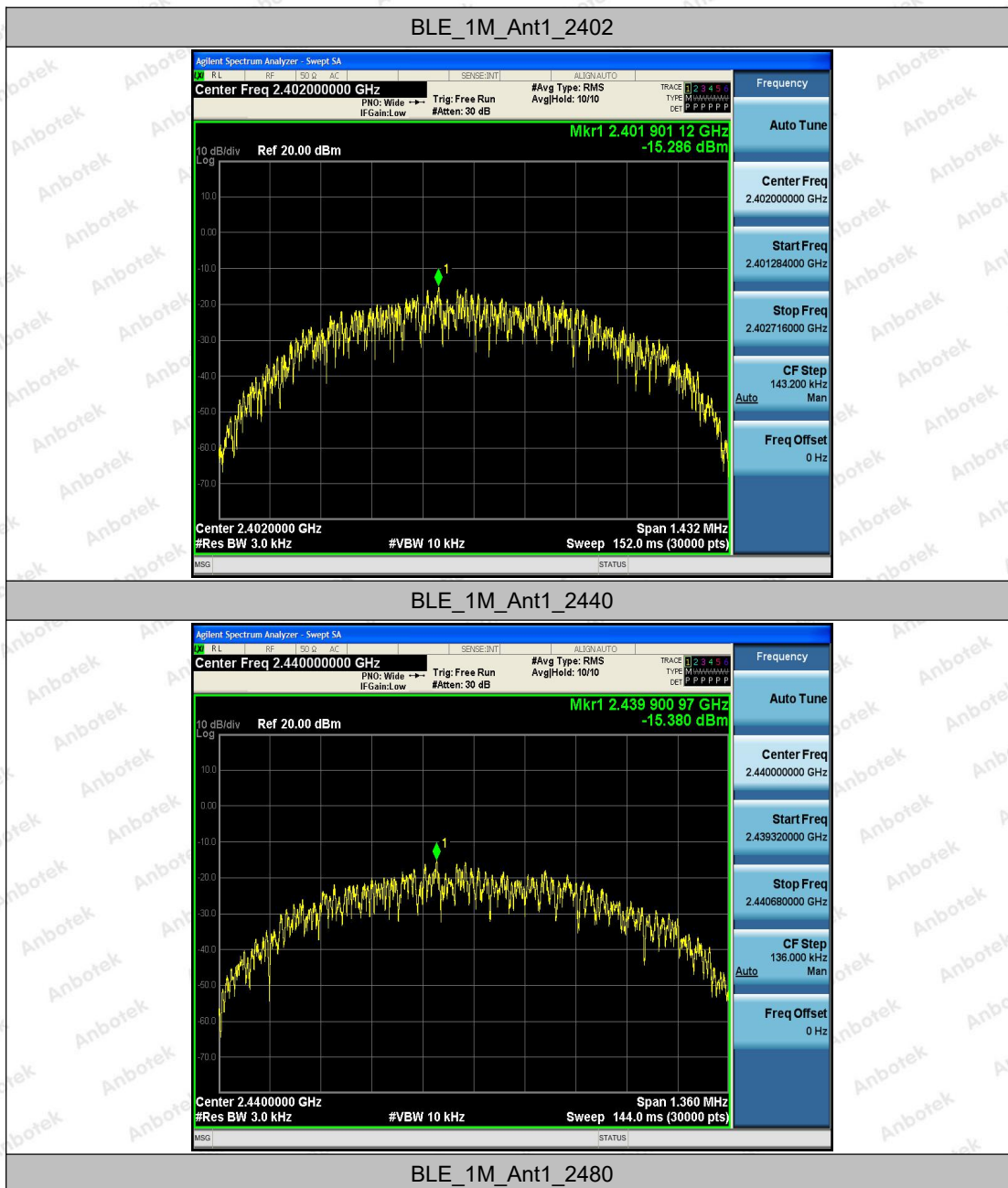
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.29	≤8	PASS
		2440	-15.38	≤8	PASS
		2480	-14.88	≤8	PASS

Test Graphs

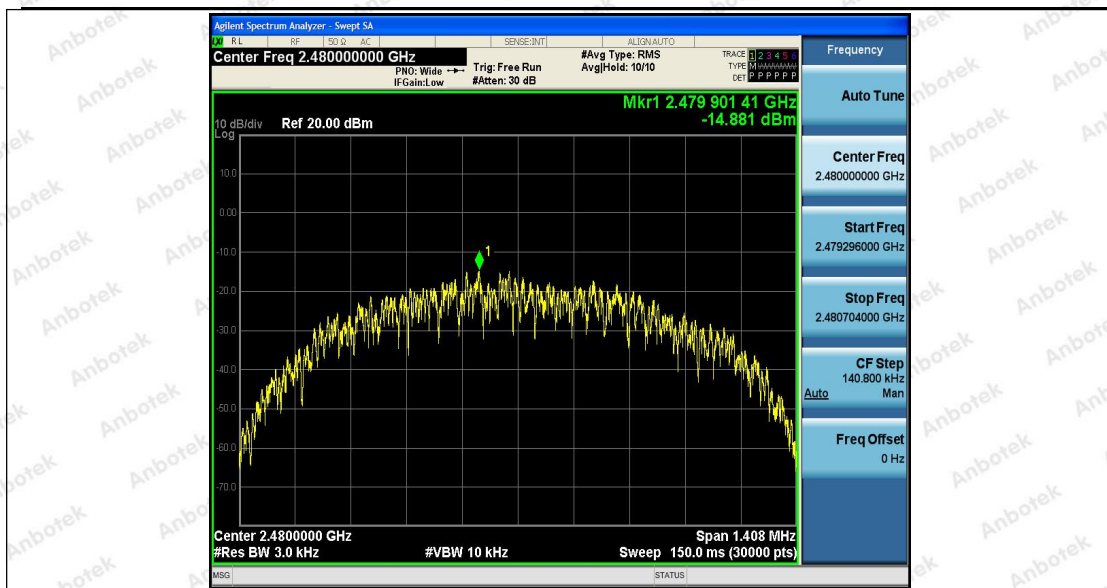


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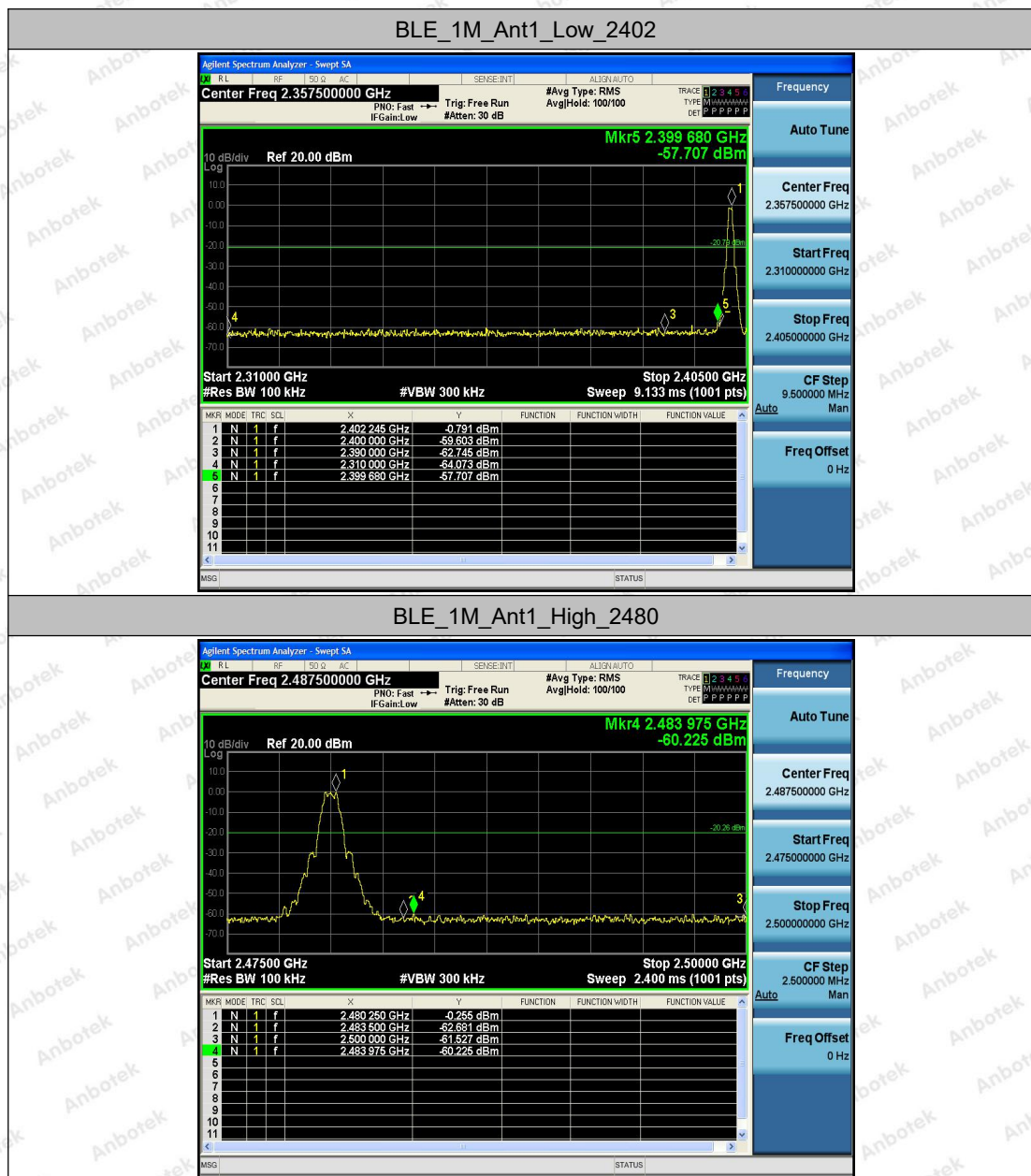
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.79	-57.71	≤-20.79	PASS
		High	2480	-0.26	-60.23	≤-20.26	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

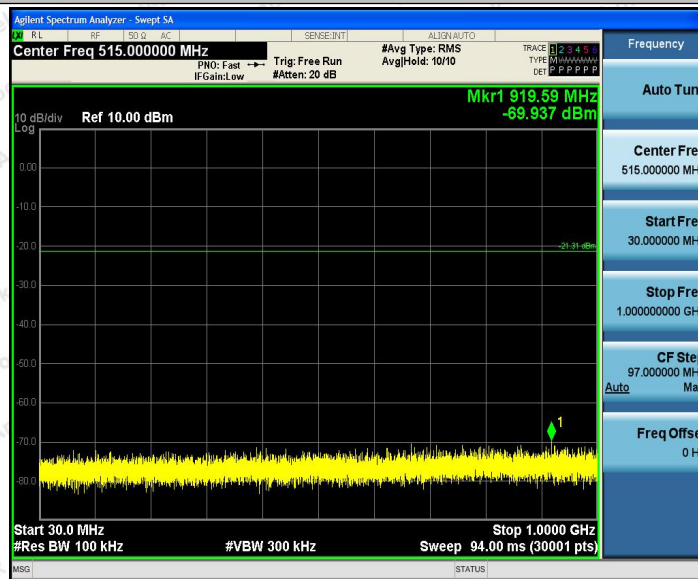
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-1.31	-1.31	---	PASS
			30~1000	-1.31	-69.94	≤-21.31	PASS
			1000~265 00	-1.31	-55.79	≤-21.31	PASS
		2440	Reference	-1.20	-1.20	---	PASS
			30~1000	-1.20	-69.65	≤-21.2	PASS
			1000~265 00	-1.20	-55.37	≤-21.2	PASS
		2480	Reference	-0.46	-0.46	---	PASS
			30~1000	-0.46	-69.6	≤-20.46	PASS
			1000~265 00	-0.46	-55.68	≤-20.46	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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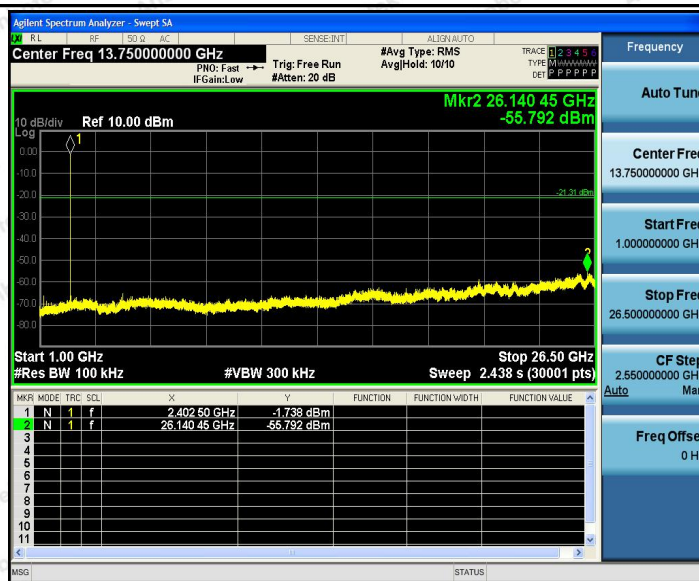
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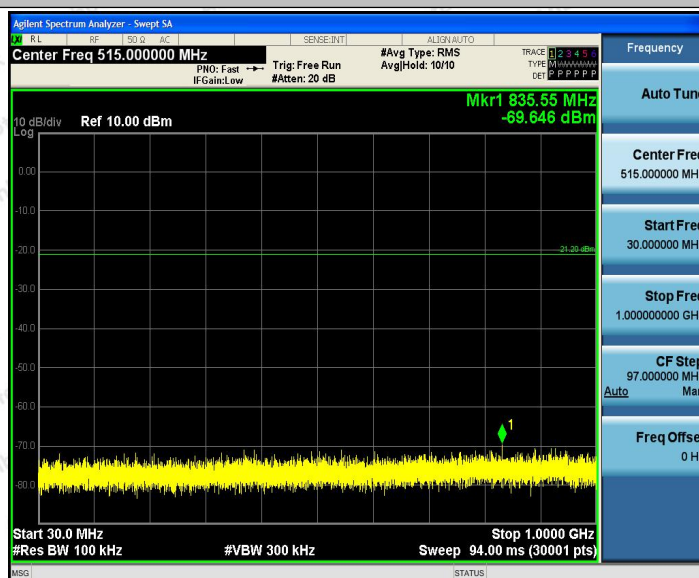
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



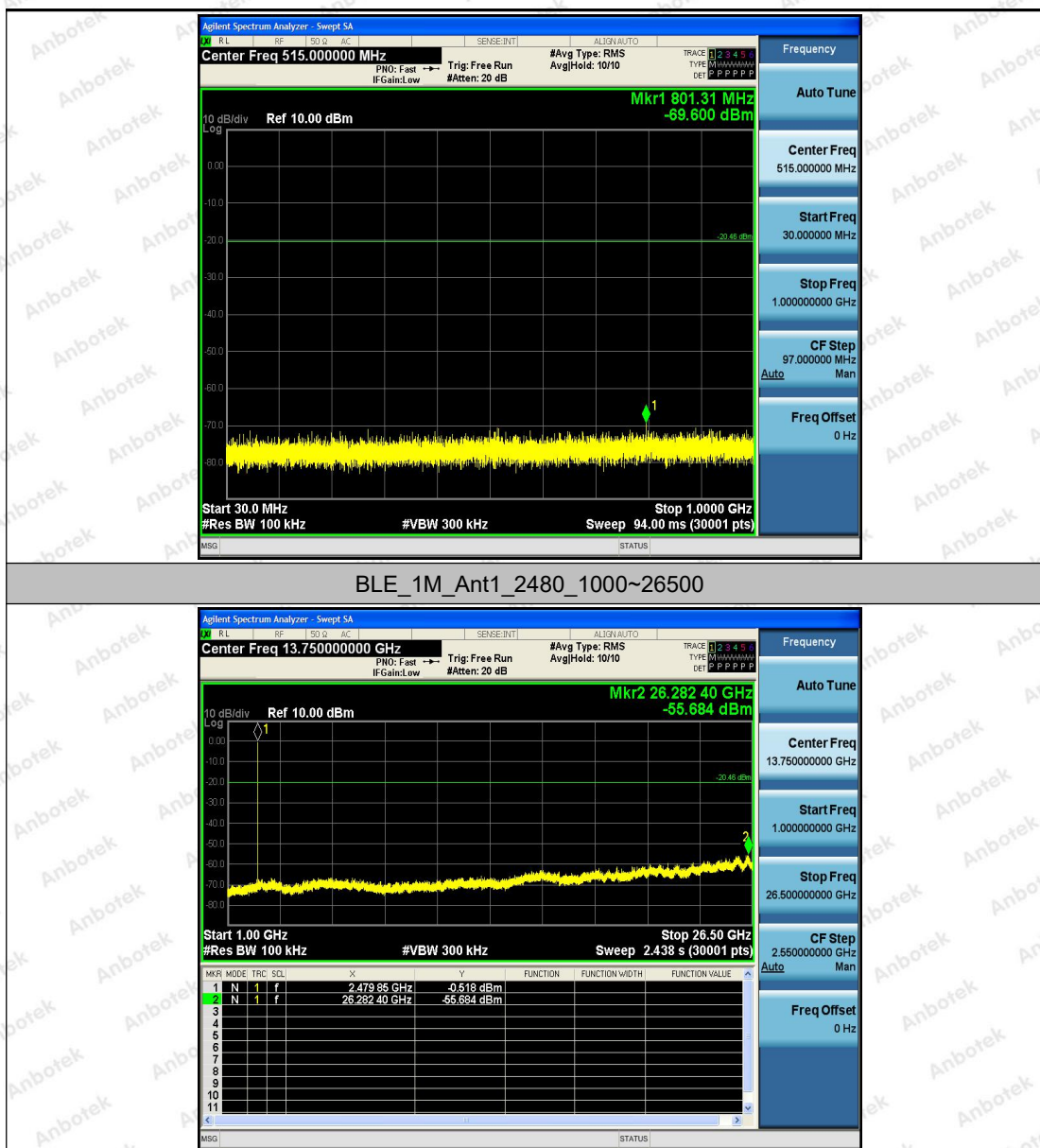
BLE_1M_Ant1_2480_30~1000

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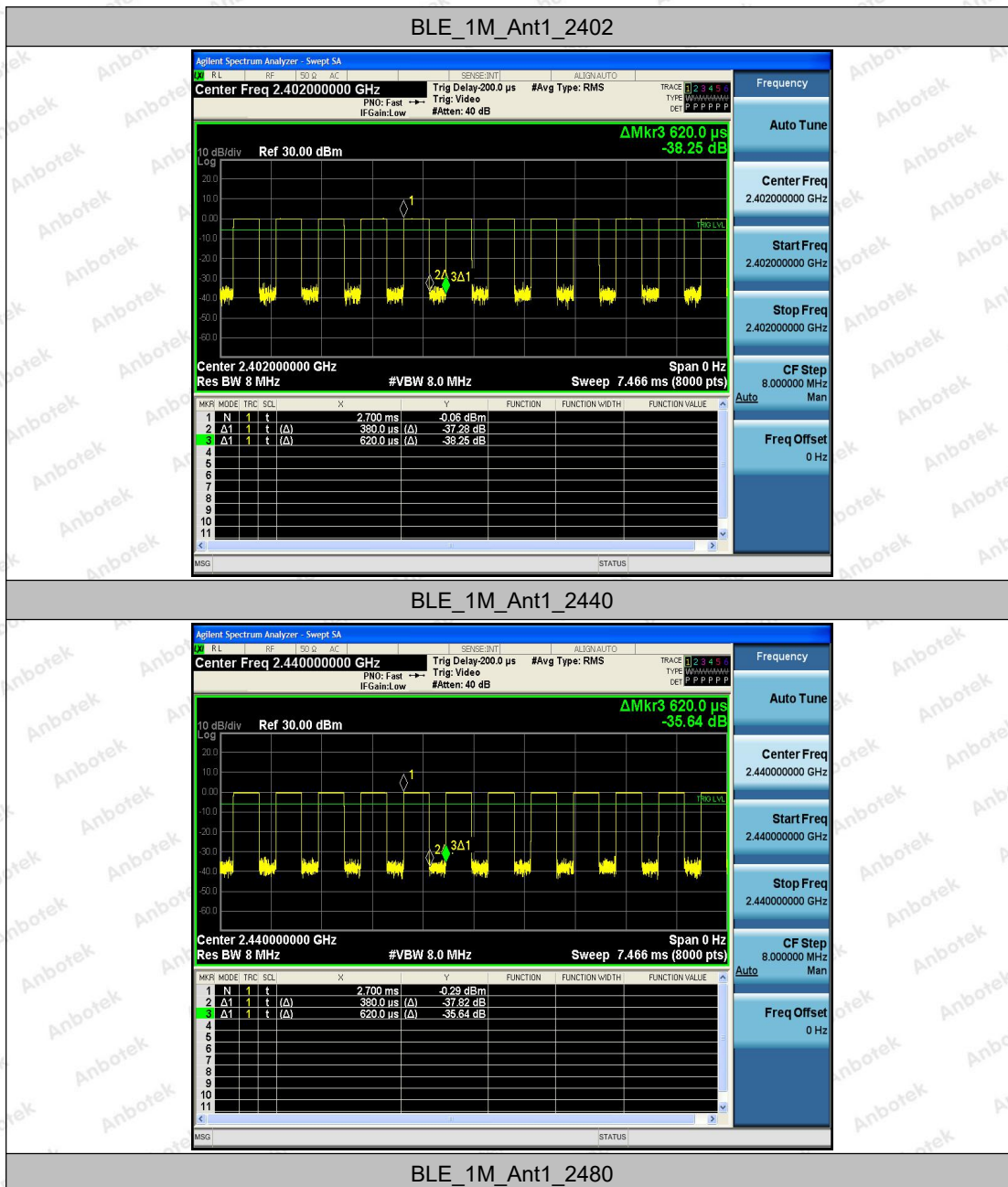
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Appendix G: Duty Cycle

Test Result

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	0.62	0.612 9	61.29	2.13	---	PASS
		2480	0.38	0.63	0.603 2	60.32	2.20	---	PASS

Test Graphs



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