

Appendix Test Data

Report No.:	18220WC20091801	Test Sample No.:	1-2-2
Start Test Date:	2022.4.26	Finish Test Date:	2022.4.29
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	Relative Humidity:	56 %
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	0.696	2401.644	2402.340	≥0.5	PASS
		2440	0.704	2439.644	2440.348	≥0.5	PASS
		2480	0.700	2479.648	2480.348	≥0.5	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



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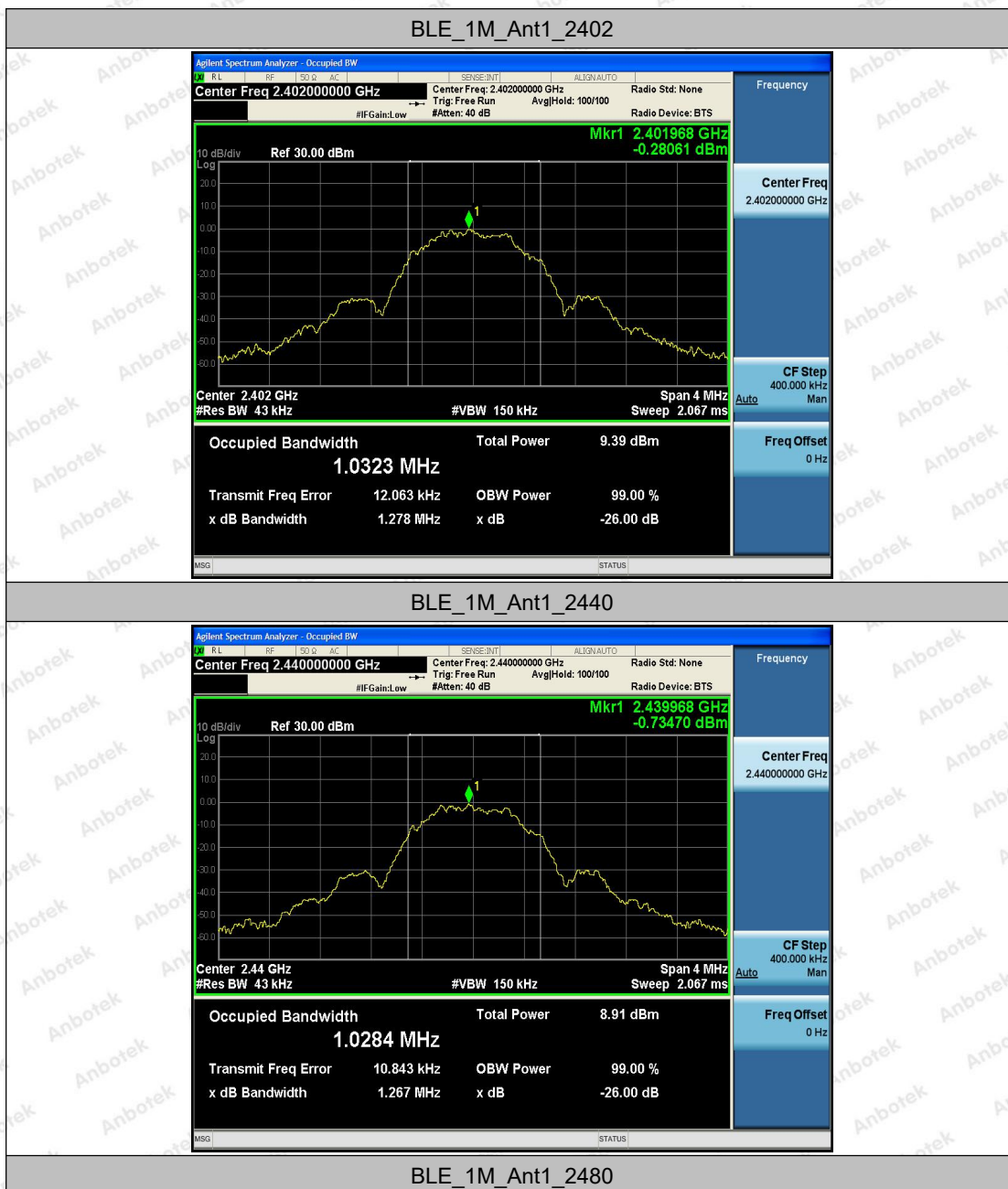
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Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0323	2401.496	2402.528	---	PASS
		2440	1.0284	2439.497	2440.525	---	PASS
		2480	1.0245	2479.497	2480.521	---	PASS

Test Graphs



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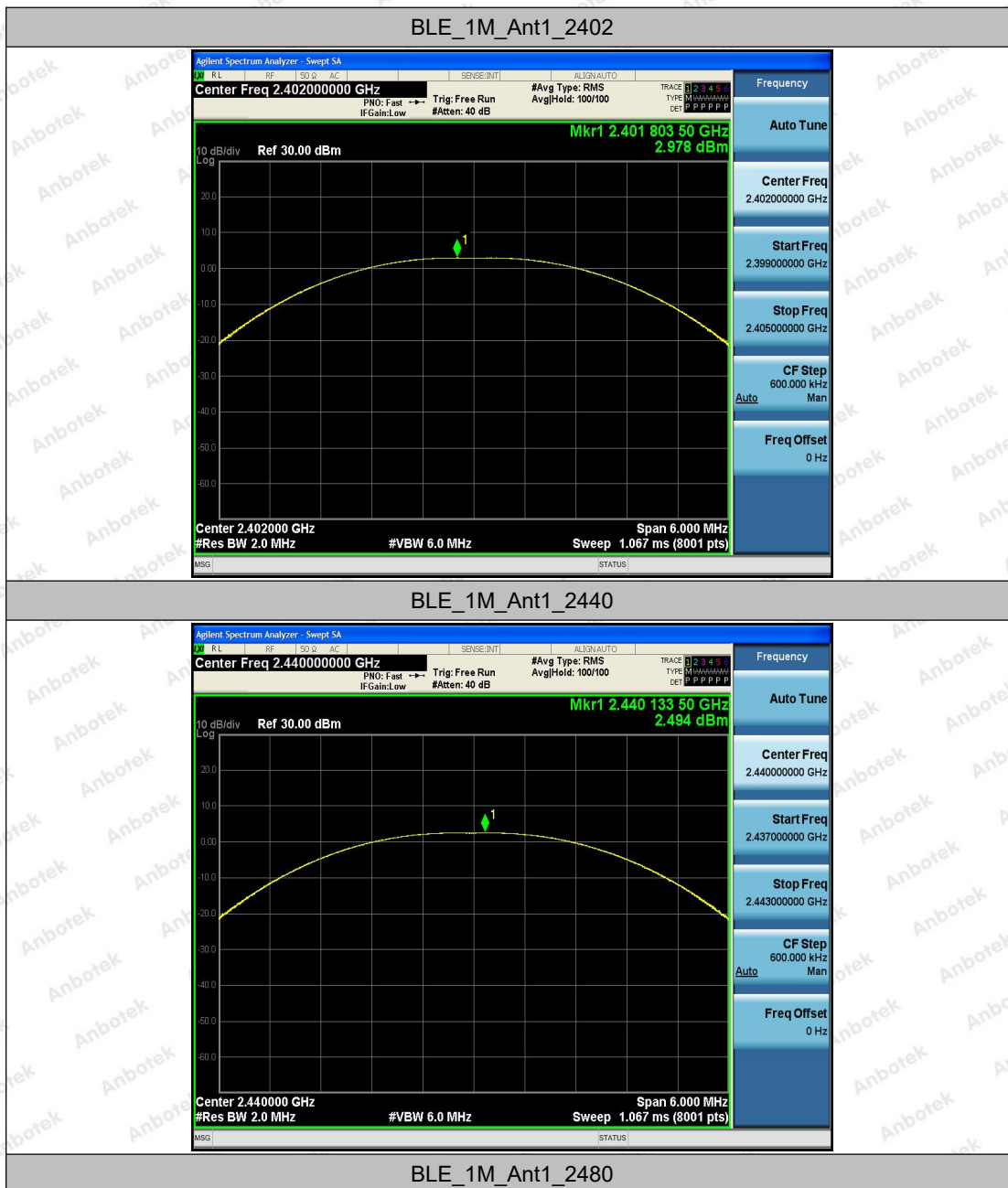
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Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.98	≤30	PASS
		2440	2.49	≤30	PASS
		2480	3.13	≤30	PASS

Test Graphs

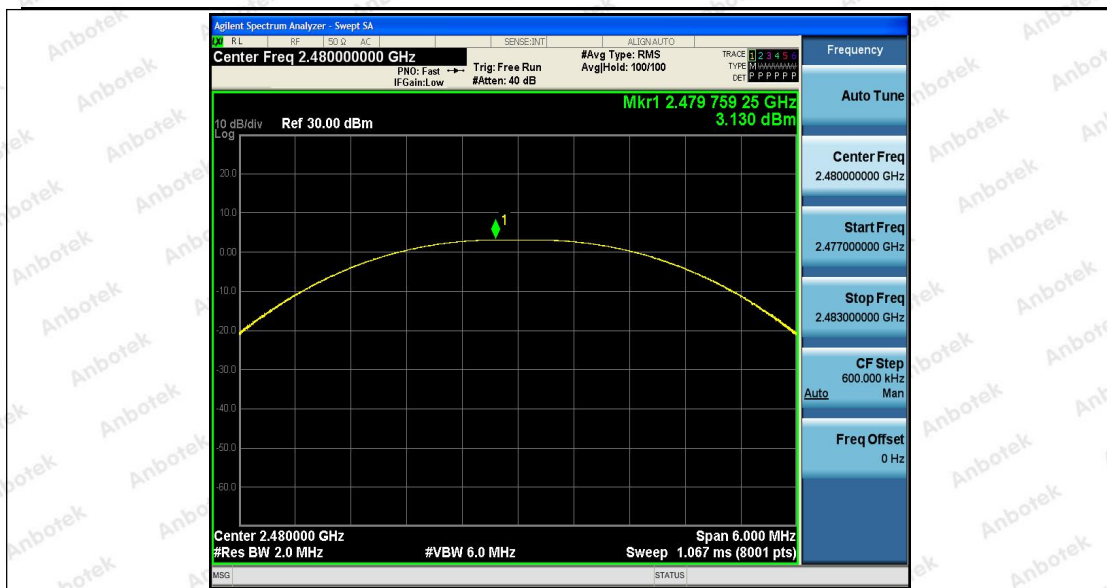


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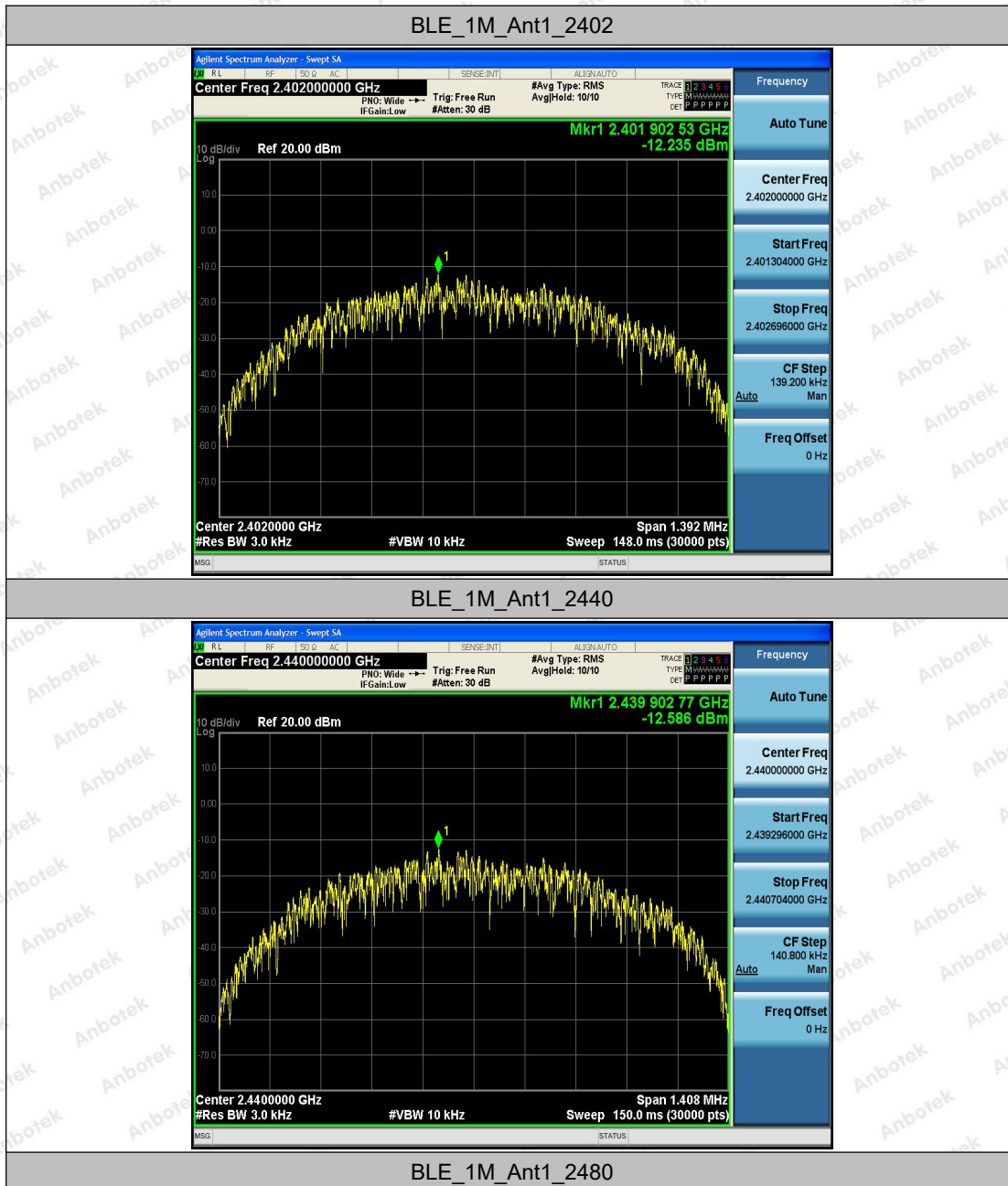
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Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.24	≤8	PASS
		2440	-12.59	≤8	PASS
		2480	-12.02	≤8	PASS

Test Graphs

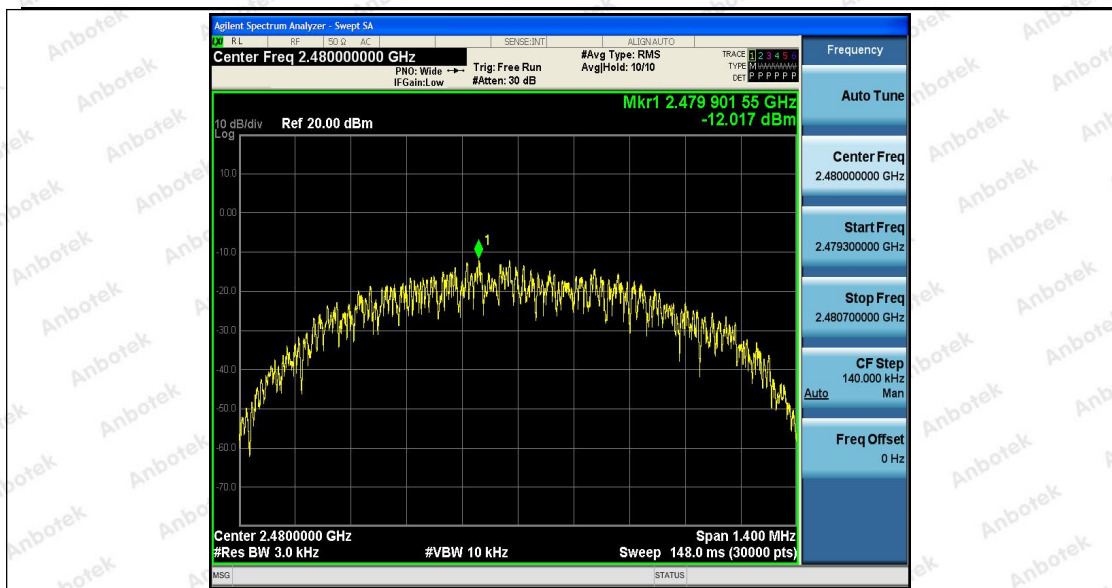


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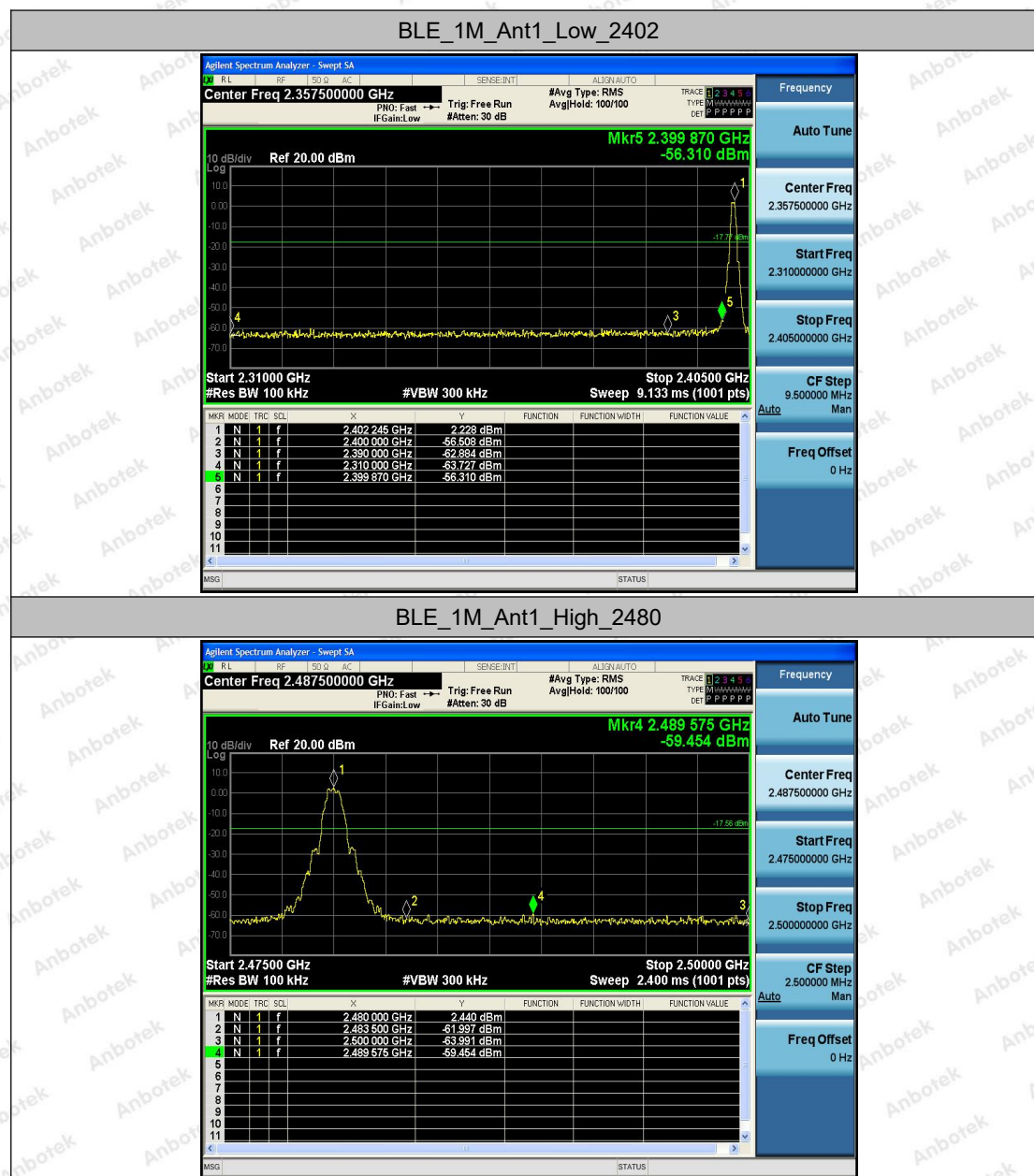
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch Name	Channel	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	2.23	-56.31	≤-17.77	PASS
		High	2480	2.44	-59.45	≤-17.56	PASS

Test Graphs



Appendix F: Conducted Spurious Emission

Test Result

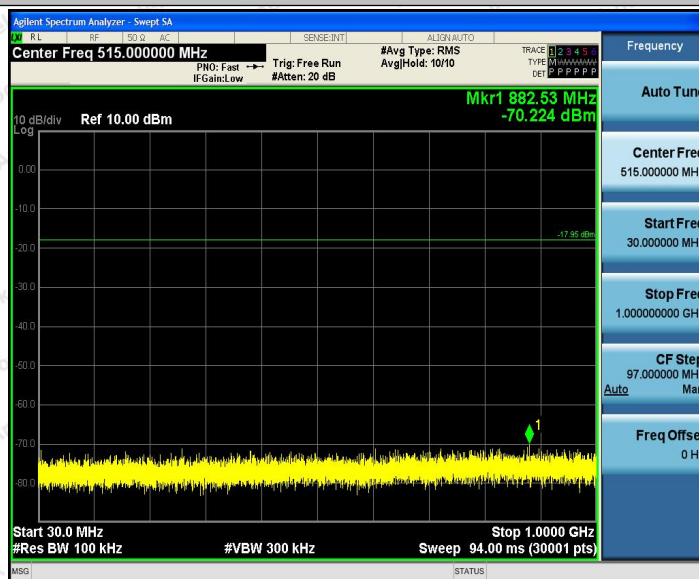
Test Mode	Antenna	Channel	Freq Range [MHz]	Ref Level [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	2.05	2.05	---	PASS
			30~1000	2.05	-70.22	≤-17.95	PASS
			1000~26500	2.05	-55.57	≤-17.95	PASS
		2440	Reference	1.49	1.49	---	PASS
			30~1000	1.49	-70.32	≤-18.51	PASS
			1000~26500	1.49	-55.6	≤-18.51	PASS
		2480	Reference	2.22	2.22	---	PASS
			30~1000	2.22	-70.32	≤-17.79	PASS
			1000~26500	2.22	-54.4	≤-17.79	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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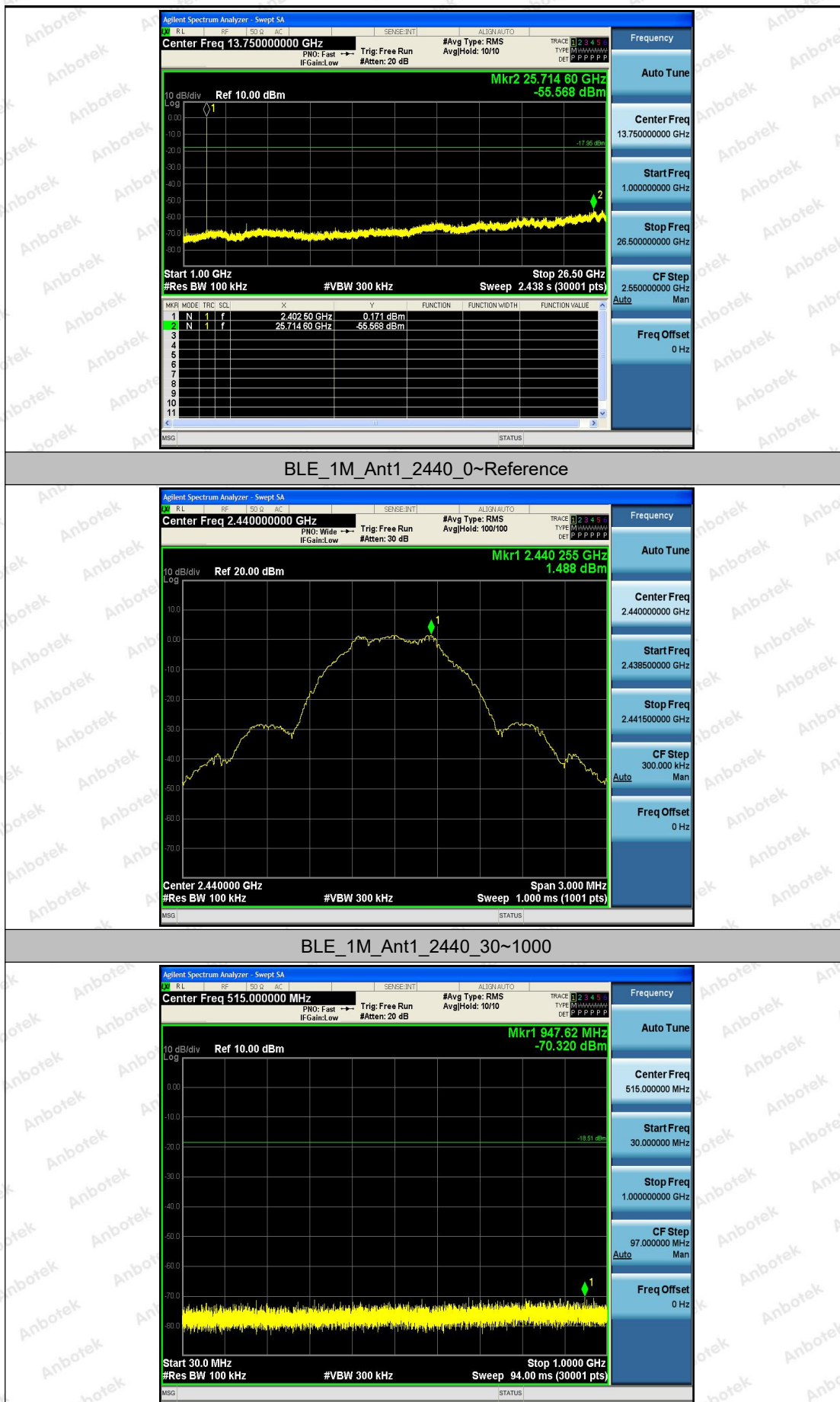
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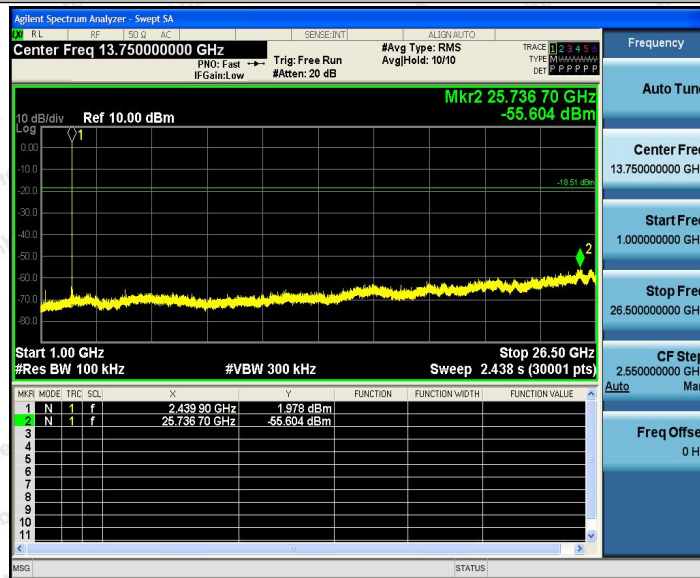
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



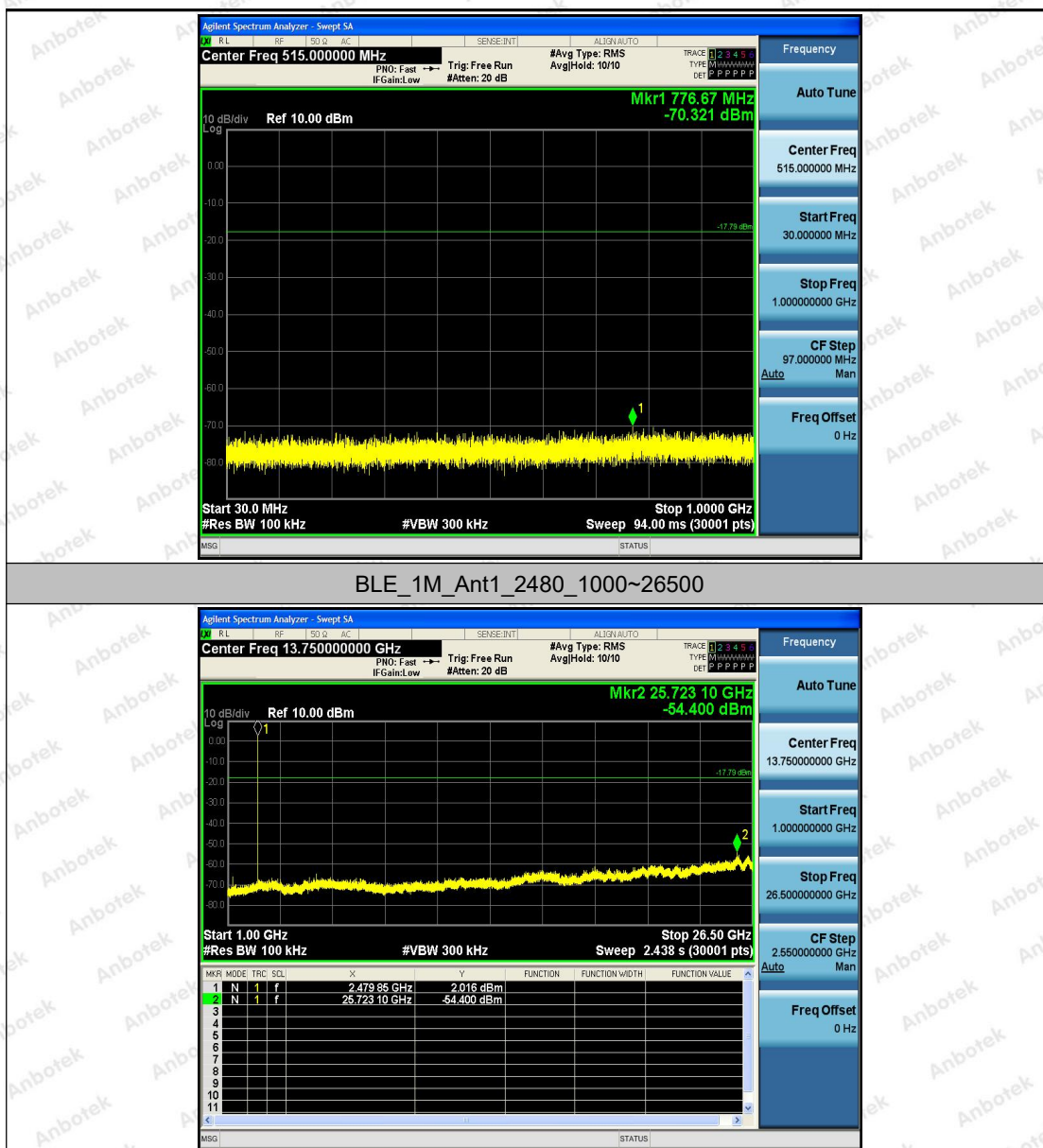
BLE_1M_Ant1_2480_30~1000

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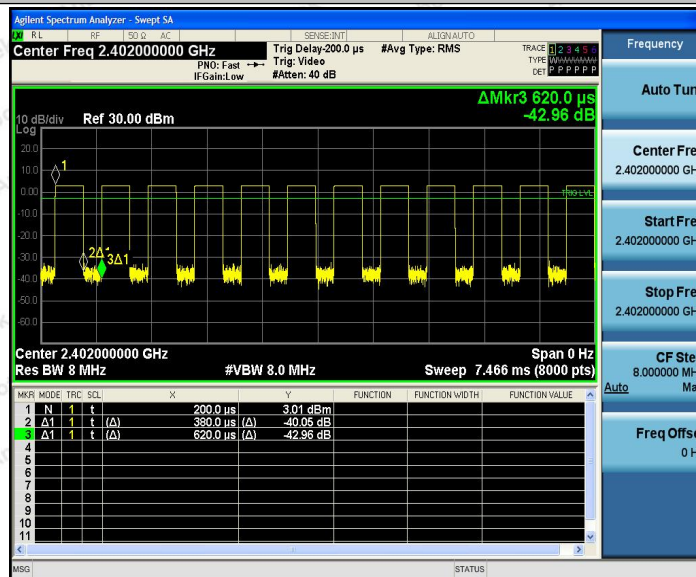
Appendix G: Duty Cycle

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

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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