

Appendix Test Data

Report No.:	18220WC20086302	Test Sample No.:	1-2-2
Start Test Date:	2022.4.21	Finish Test Date:	2022.4.28
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	Relative Humidity:	57.2 %
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	0.684	2401.664	2402.348	≥0.5	PASS
		2440	0.700	2439.636	2440.336	≥0.5	PASS
		2480	0.672	2479.652	2480.324	≥0.5	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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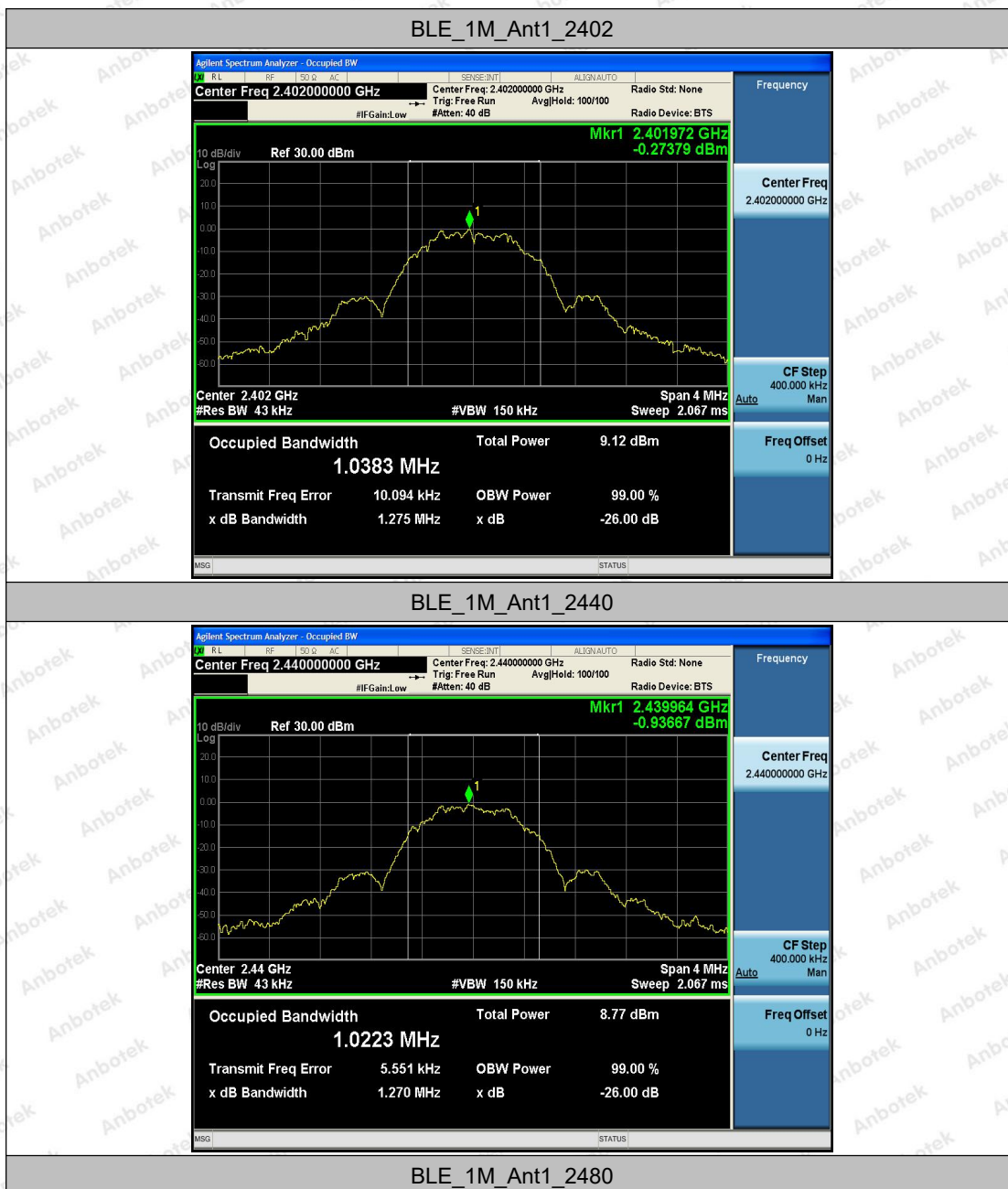
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Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0383	2401.491	2402.529	---	PASS
		2440	1.0223	2439.494	2440.517	---	PASS
		2480	1.0206	2479.499	2480.520	---	PASS

Test Graphs



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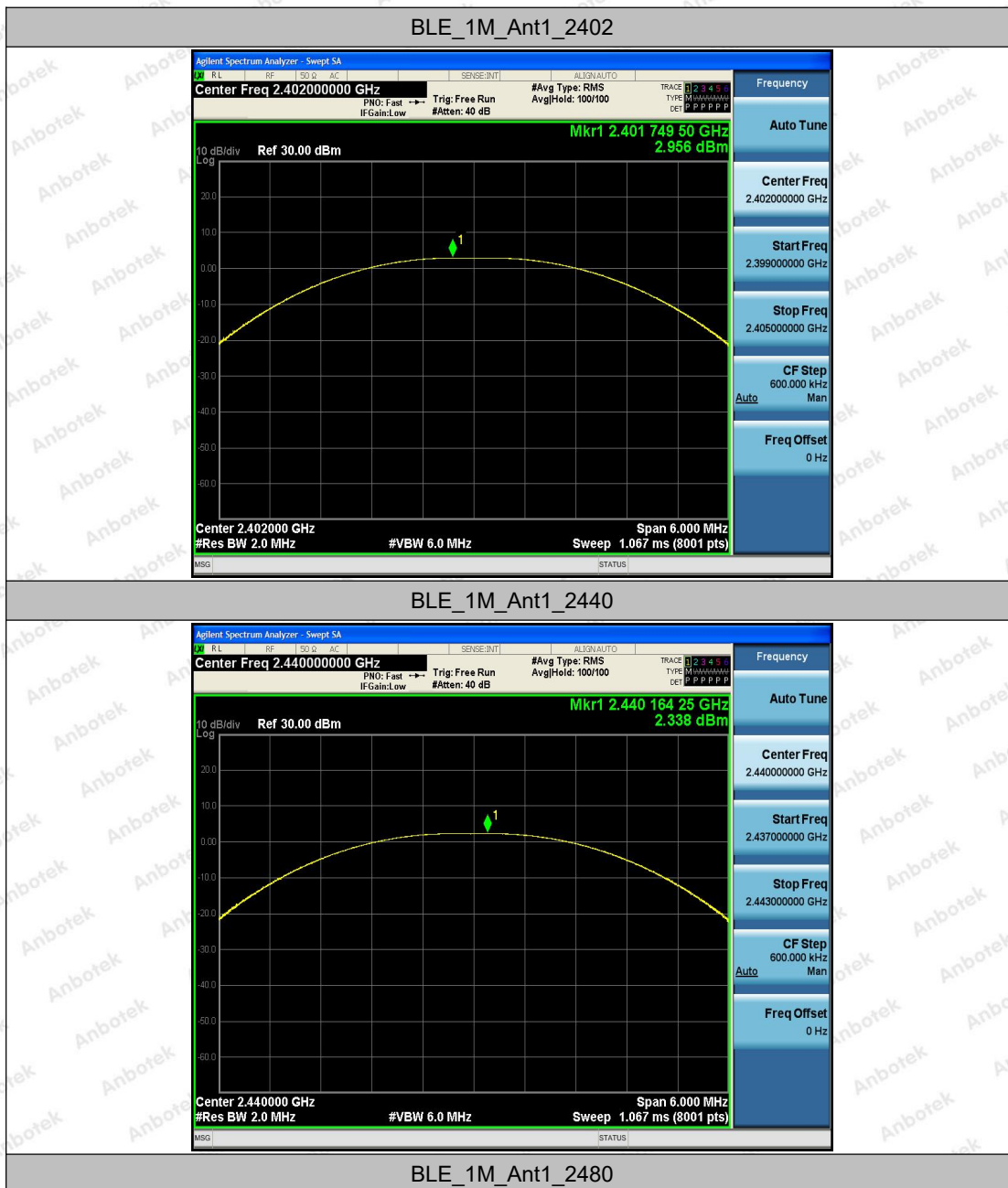
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Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.96	≤30	PASS
		2440	2.34	≤30	PASS
		2480	3.4	≤30	PASS

Test Graphs

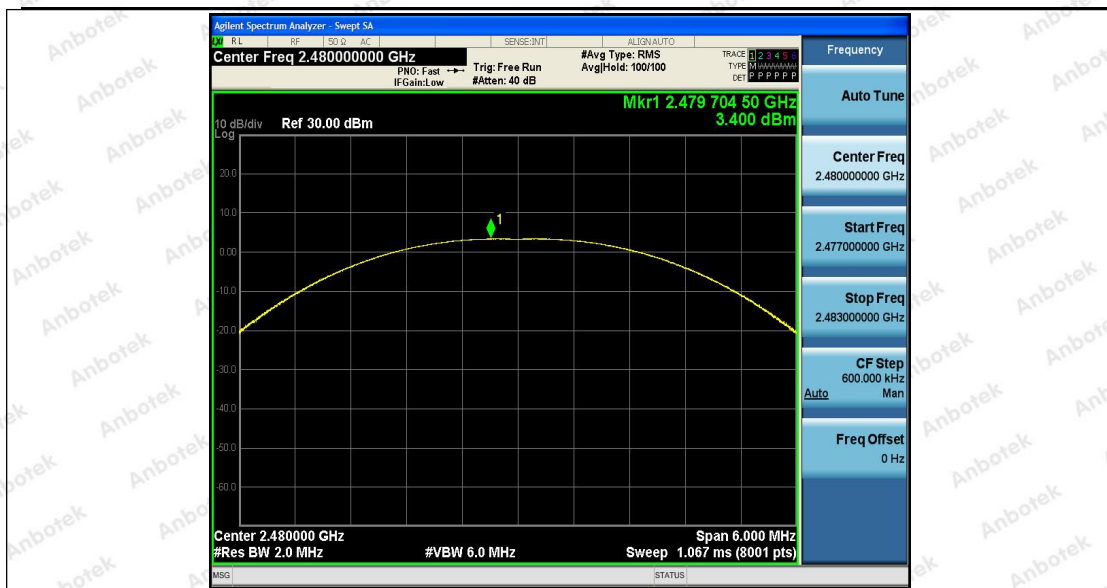


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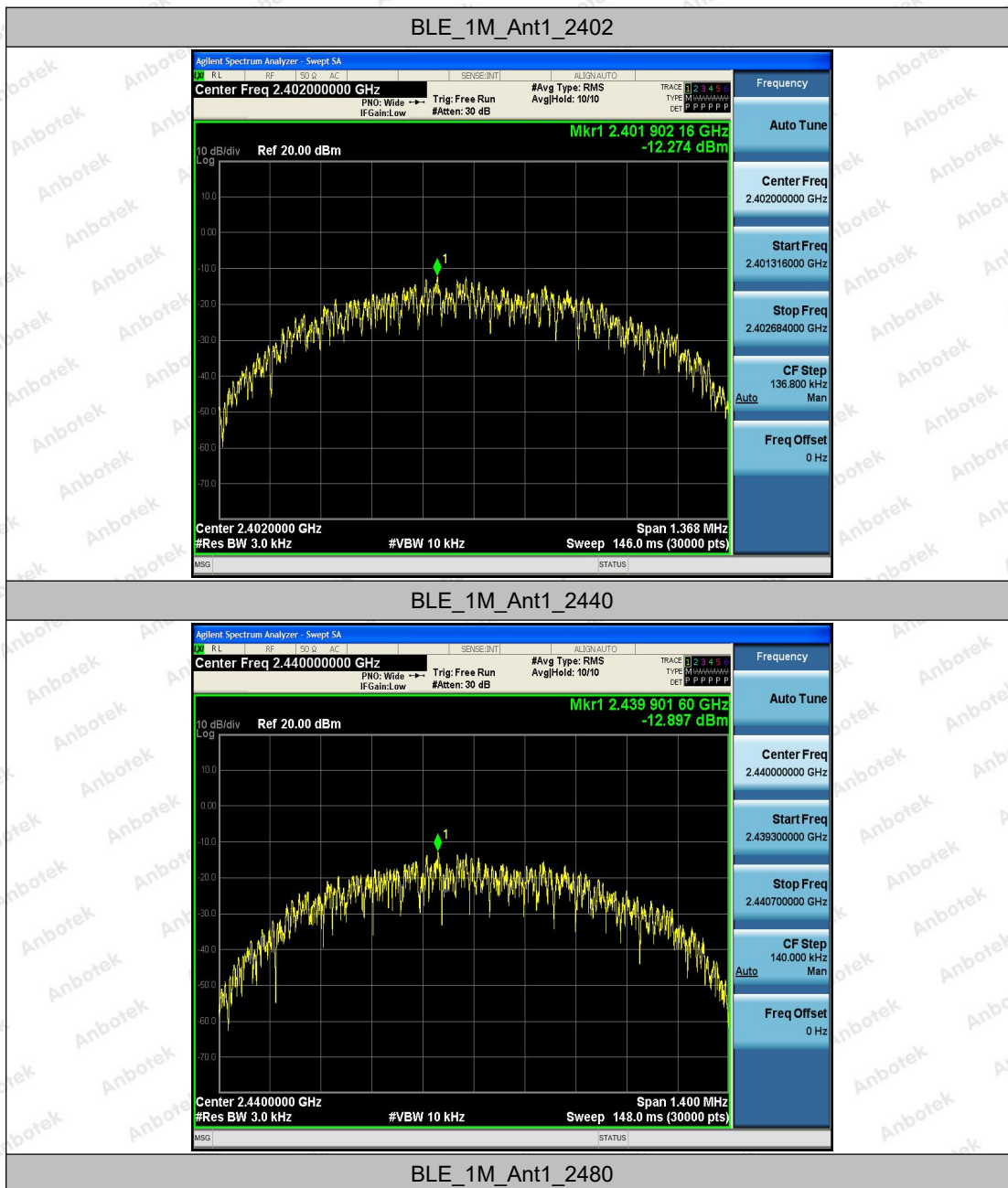
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Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.27	≤8	PASS
		2440	-12.9	≤8	PASS
		2480	-11.66	≤8	PASS

Test Graphs

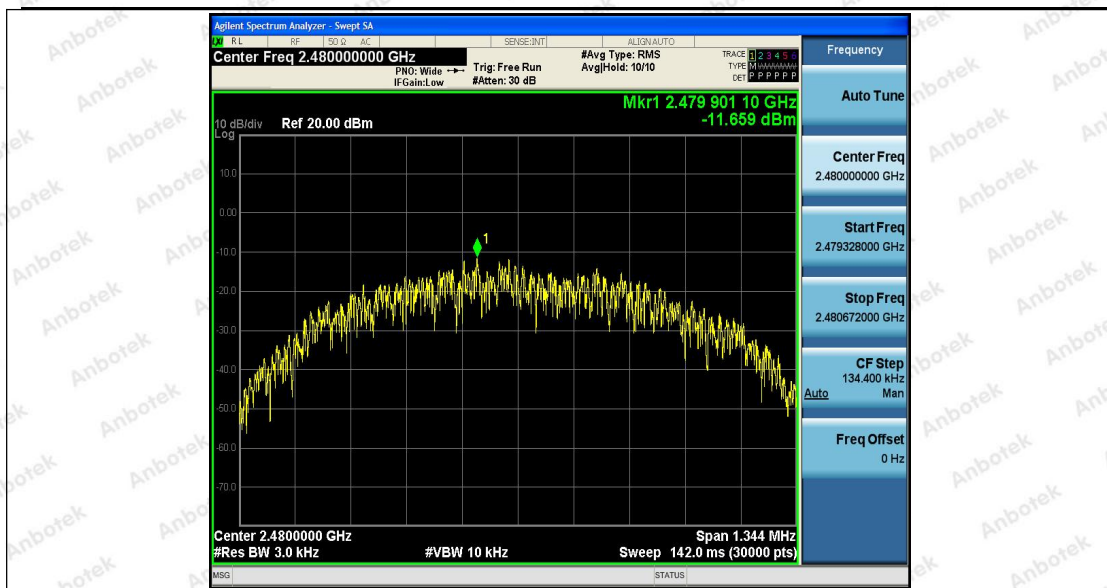


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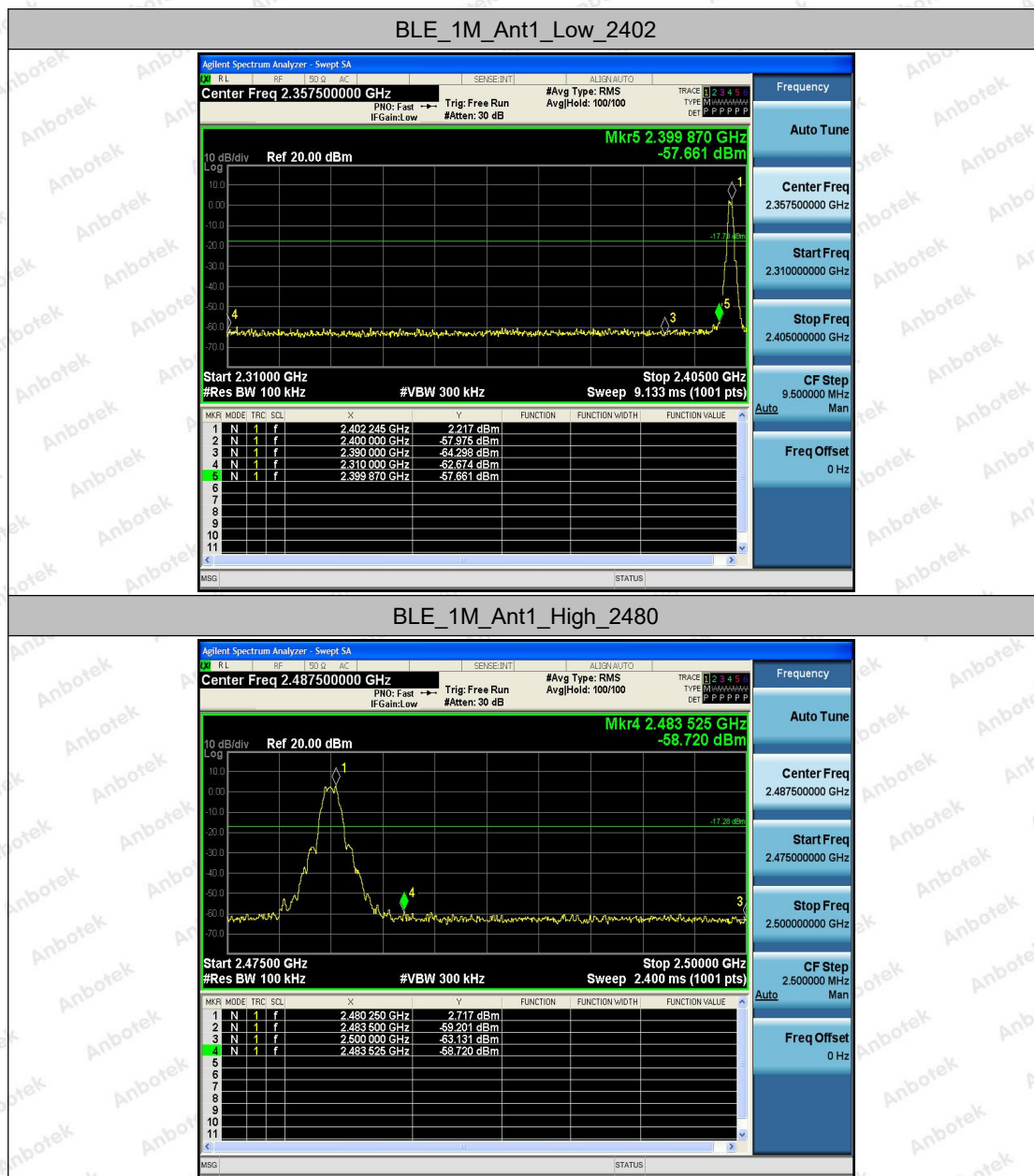
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch Name	Channel	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	2.22	-57.66	≤ -17.78	PASS
		High	2480	2.72	-58.72	≤ -17.28	PASS

Test Graphs



Appendix F: Conducted Spurious Emission

Test Result

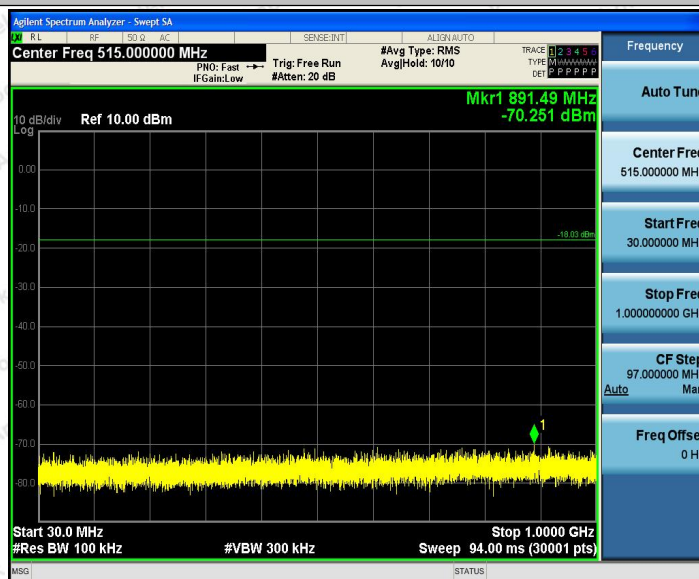
Test Mode	Antenna	Channel	Freq Range [MHz]	Ref Level [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	1.97	1.97	---	PASS
			30~1000	1.97	-70.25	≤-18.03	PASS
			1000~26500	1.97	-54.79	≤-18.03	PASS
		2440	Reference	1.41	1.41	---	PASS
			30~1000	1.41	-69.58	≤-18.59	PASS
			1000~26500	1.41	-55.84	≤-18.59	PASS
		2480	Reference	2.55	2.55	---	PASS
			30~1000	2.55	-70.37	≤-17.45	PASS
			1000~26500	2.55	-55.11	≤-17.45	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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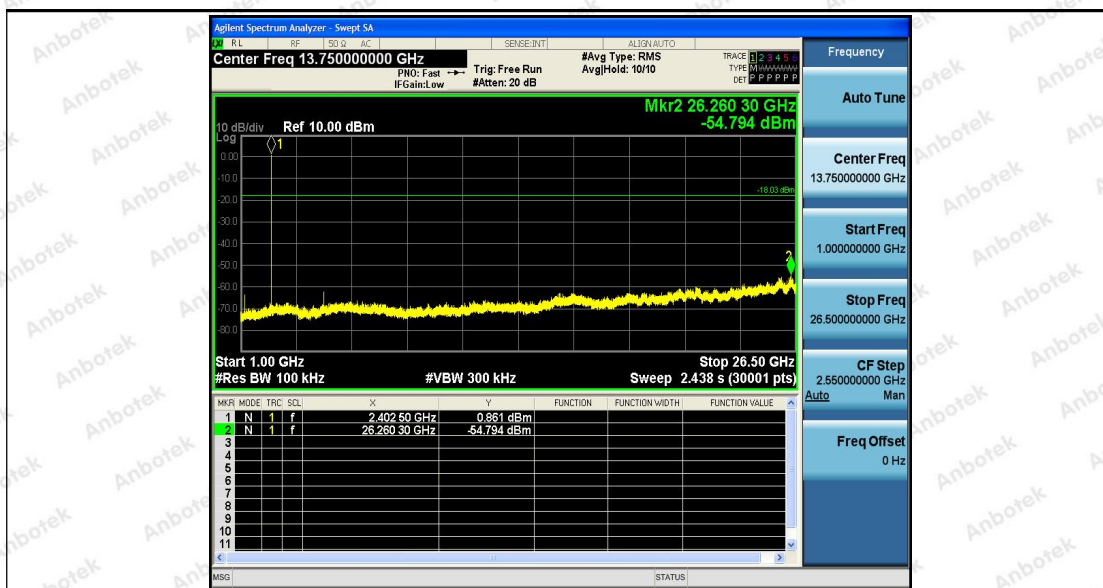
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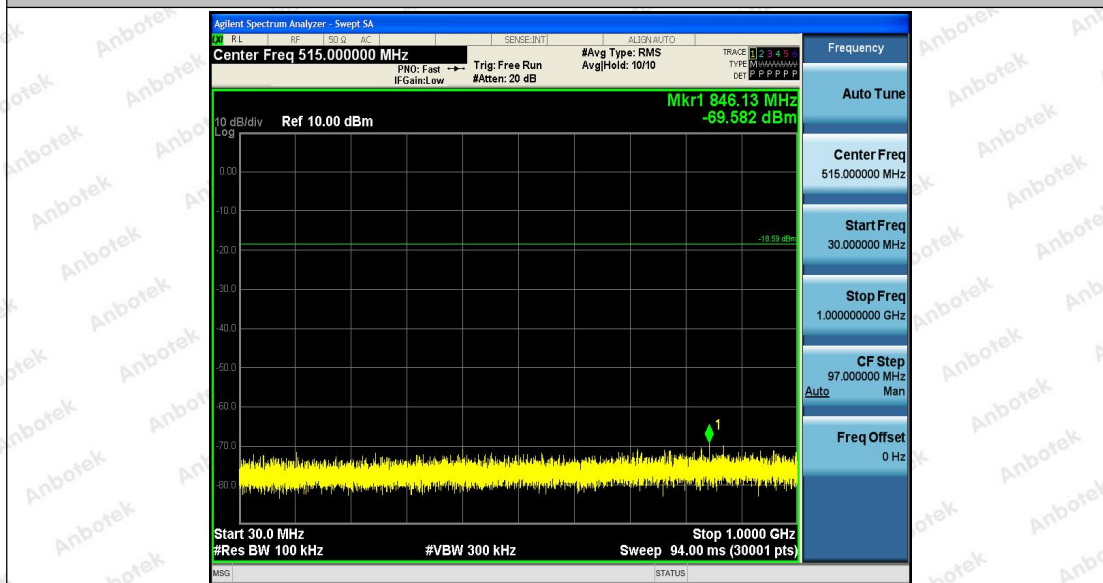
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000

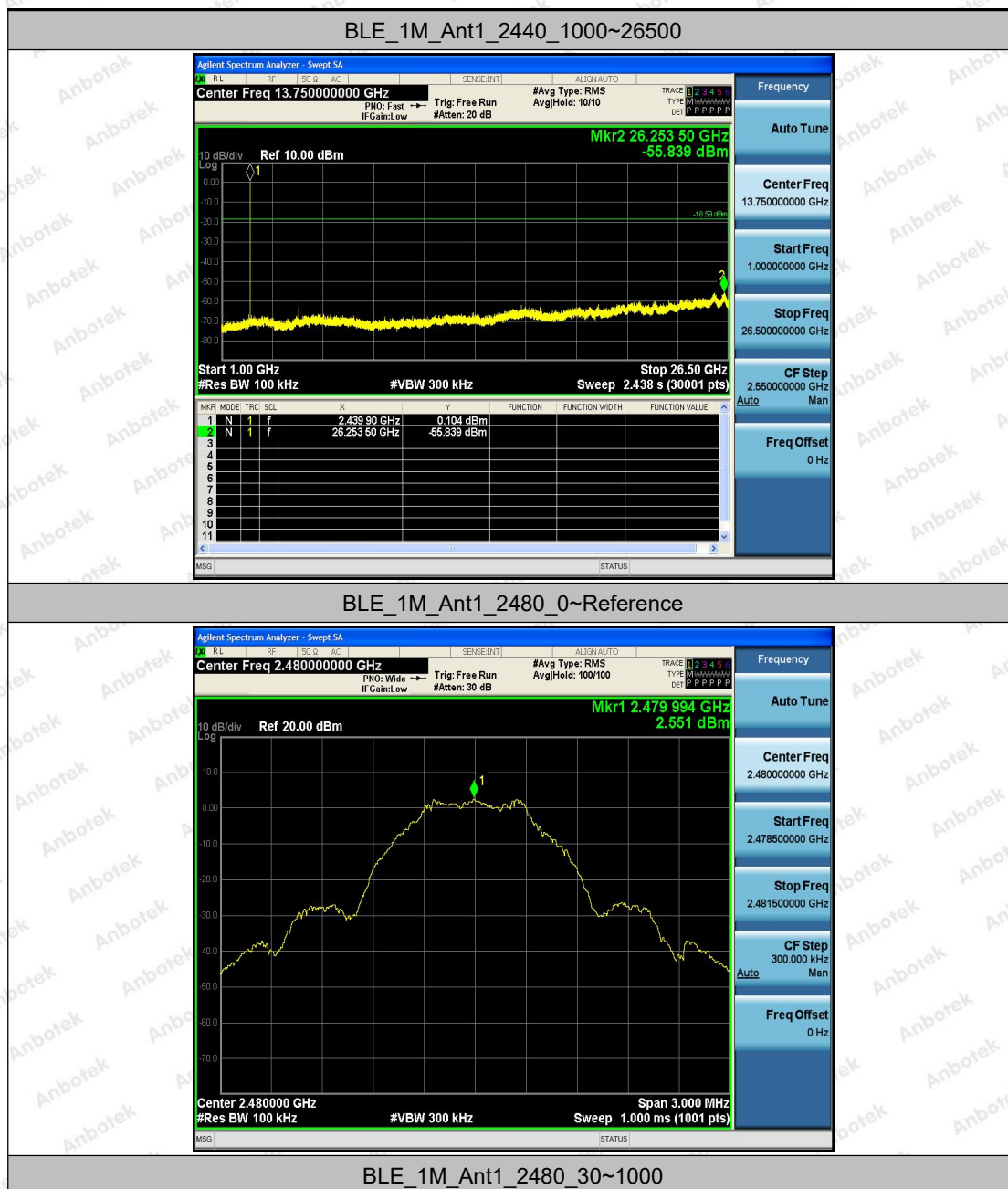


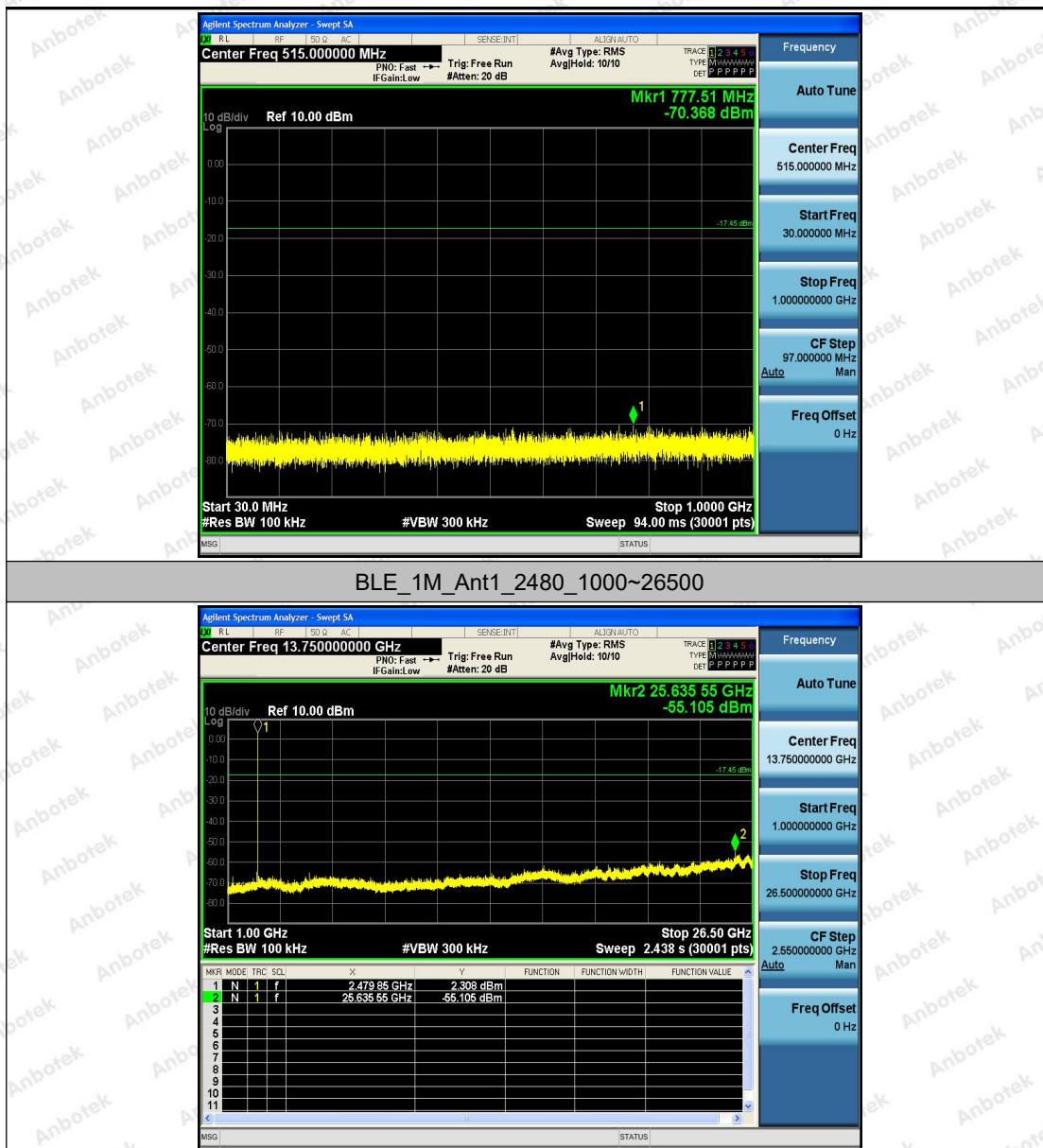
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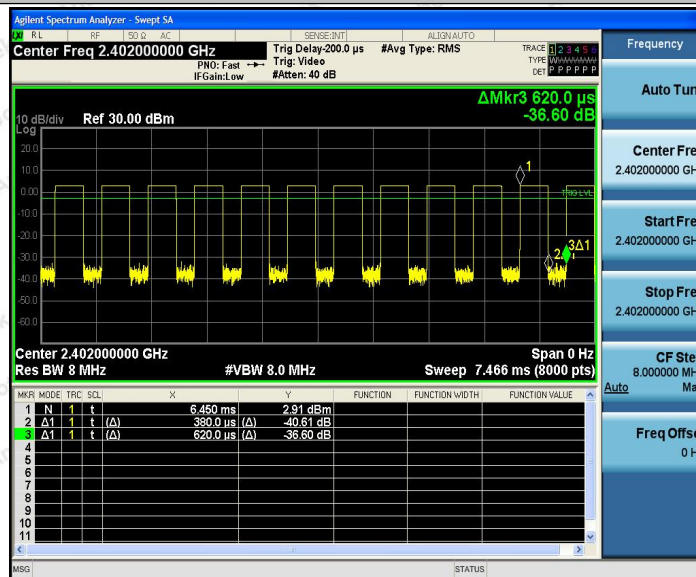
Appendix G: Duty Cycle

Test Result

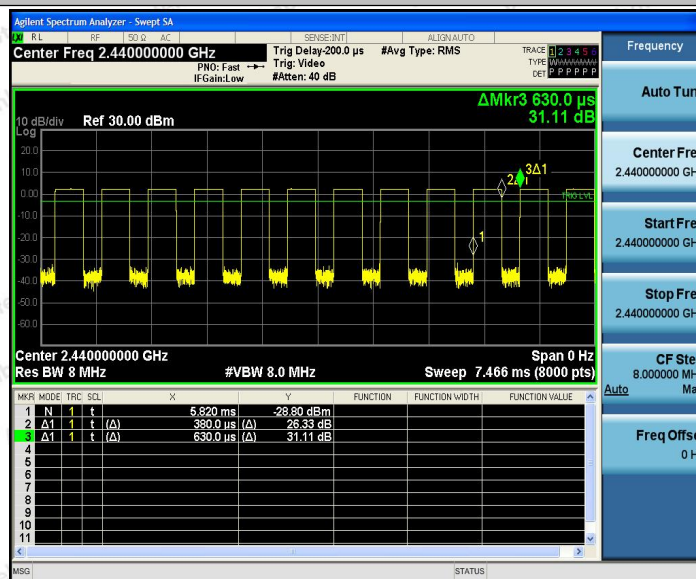
Test Mode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	X Factor	Limit	Verdict
BLE_1M	Ant1	2402	0.38	0.62	0.6129	61.29	2.13	---	PASS
		2440	0.38	0.63	0.6032	60.32	2.20	---	PASS
		2480	0.38	0.63	0.6032	60.32	2.20	---	PASS

Test Graphs

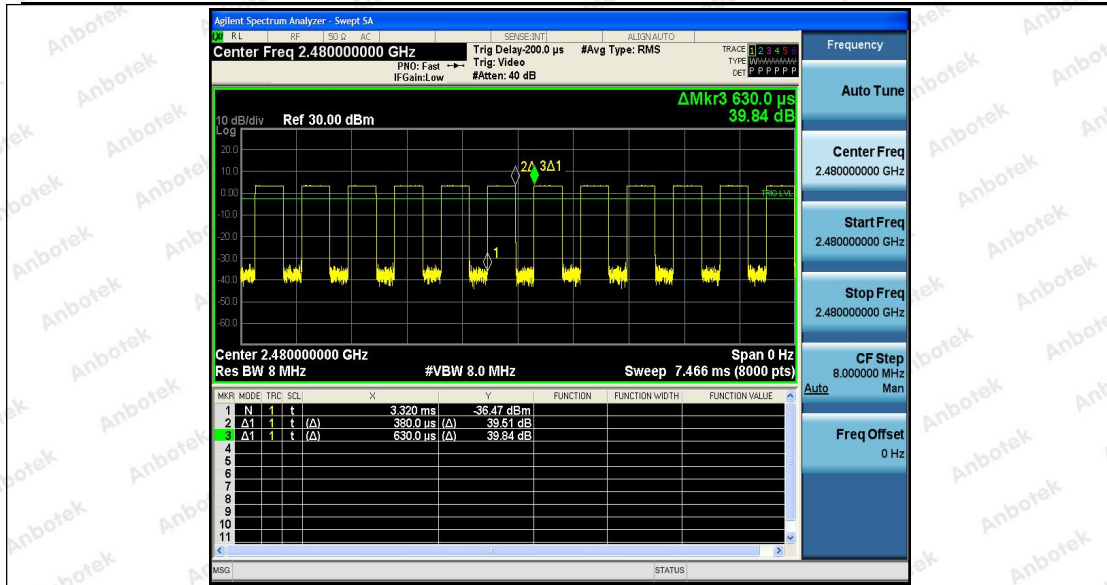
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



---End---