

Appendix Test Data

Report No.:	18220WC10276401	Test Sample No.:	1-2-2
Start Test Date:	2021.12.15	Finish Test Date:	2021.12.22
Test Engineer:	<i>Jony 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	2401.664	2402.352	≥0.5	PASS
		2440	0.700	2439.640	2440.340	≥0.5	PASS
		2480	0.684	2479.664	2480.348	≥0.5	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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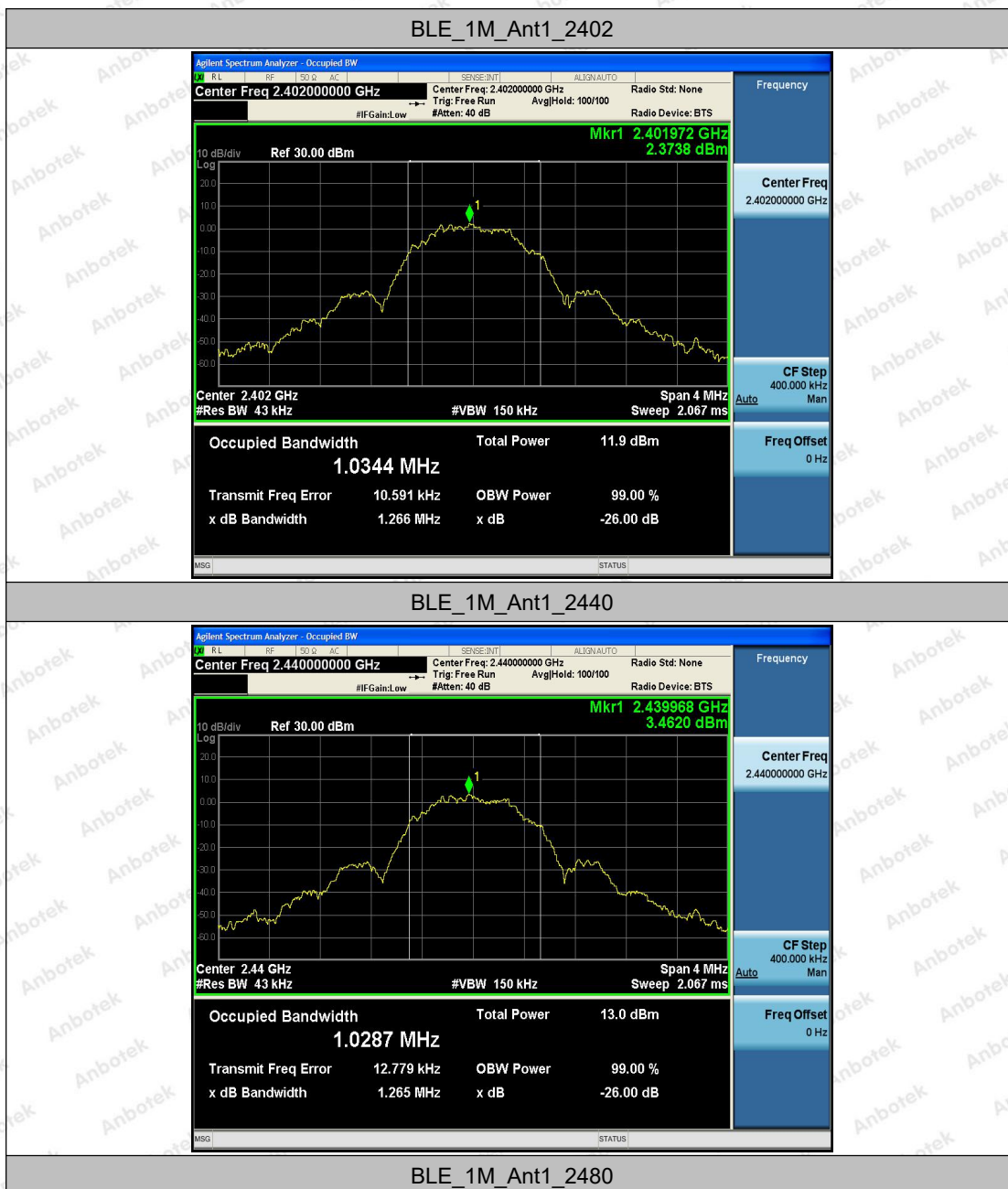
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Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0344	2401.493	2402.528	---	PASS
		2440	1.0287	2439.498	2440.527	---	PASS
		2480	1.0320	2479.497	2480.529	---	PASS

Test Graphs



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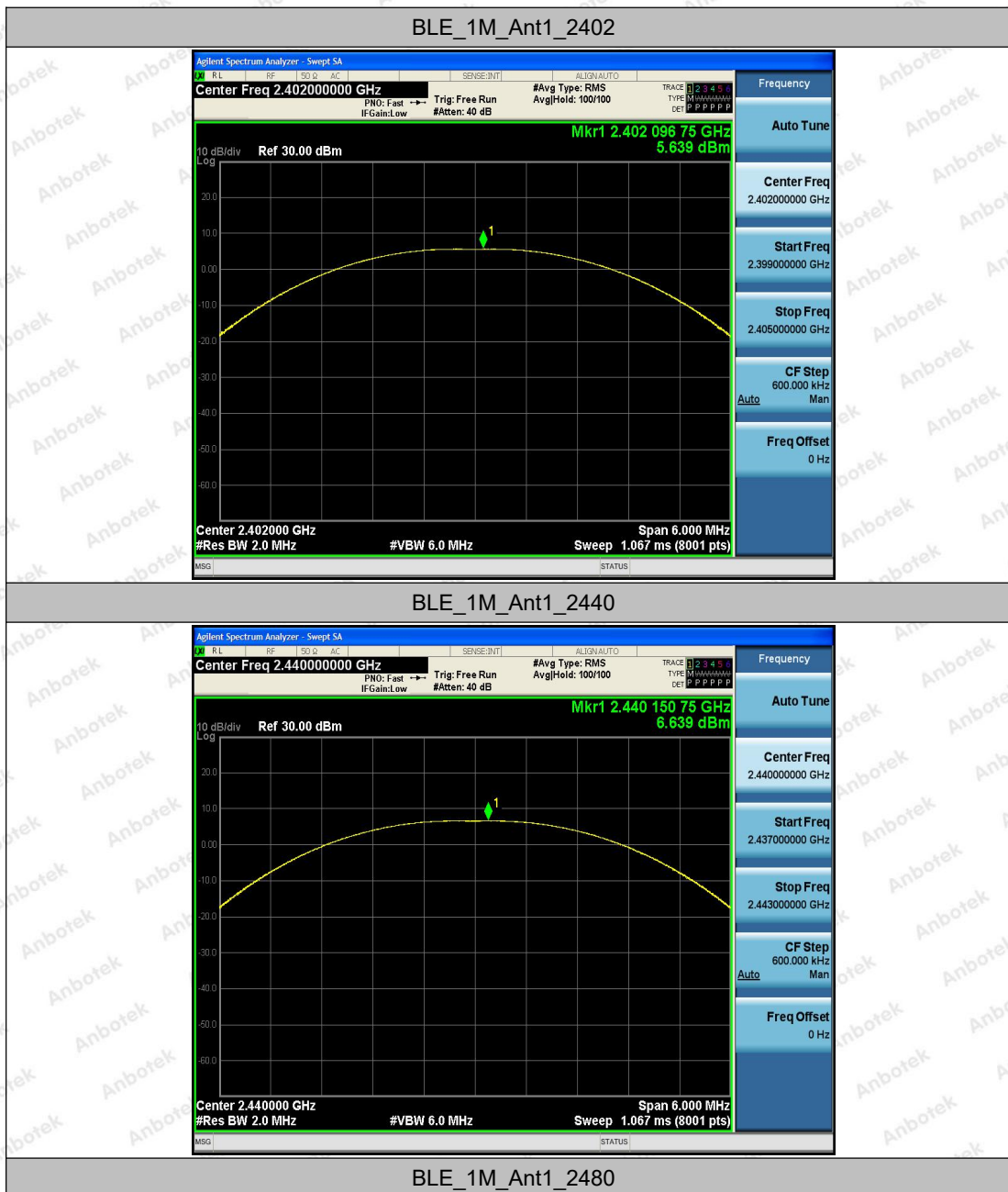
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Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	5.64	≤30	PASS
		2440	6.64	≤30	PASS
		2480	6.6	≤30	PASS

Test Graphs

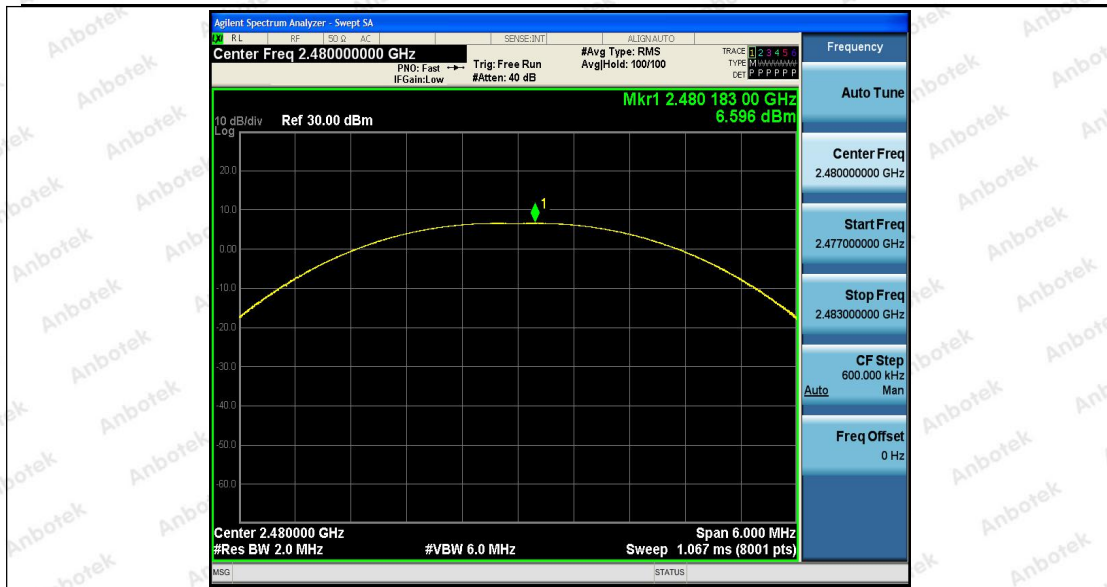


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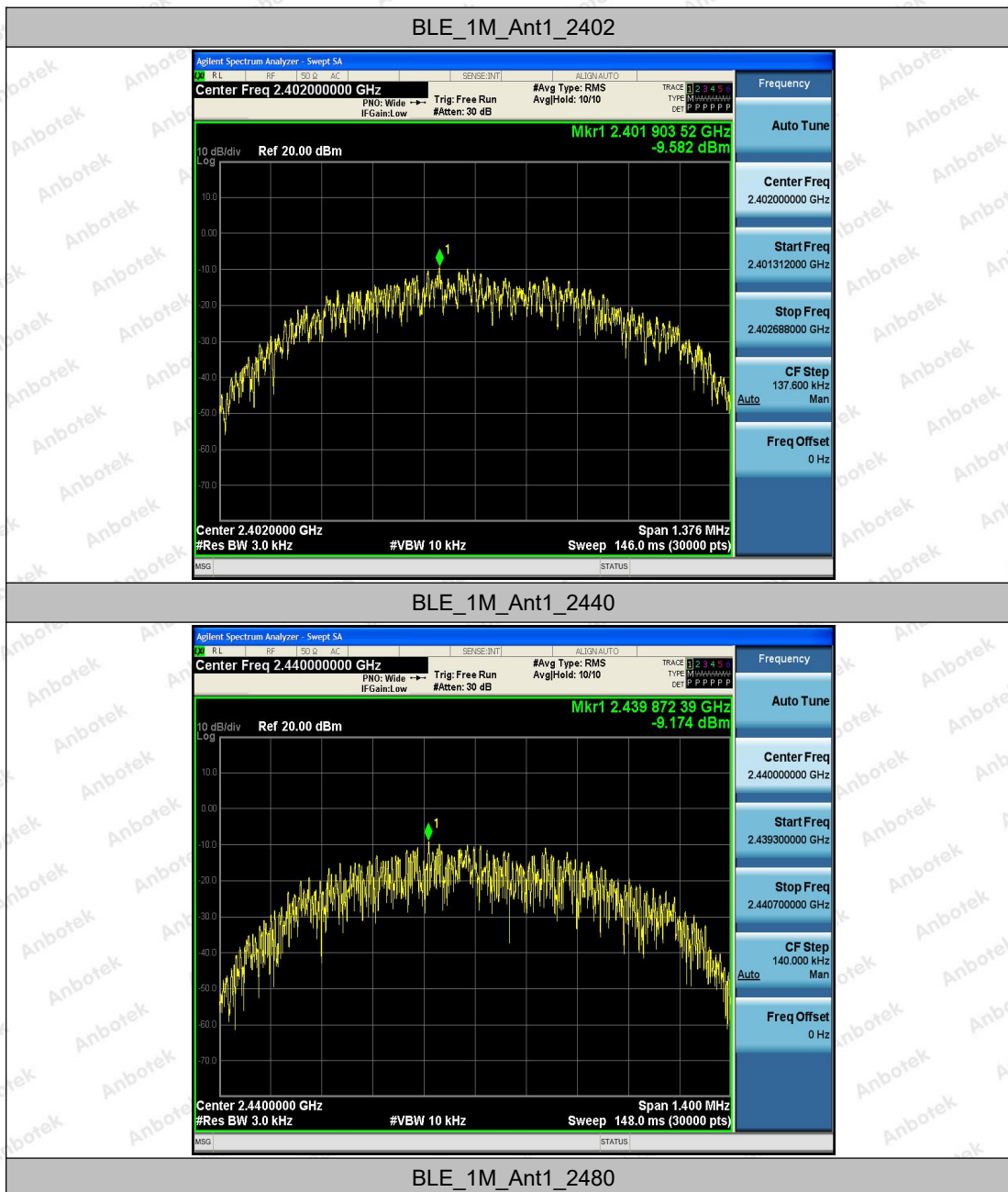
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Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-9.58	≤8	PASS
		2440	-9.17	≤8	PASS
		2480	-8.6	≤8	PASS

Test Graphs

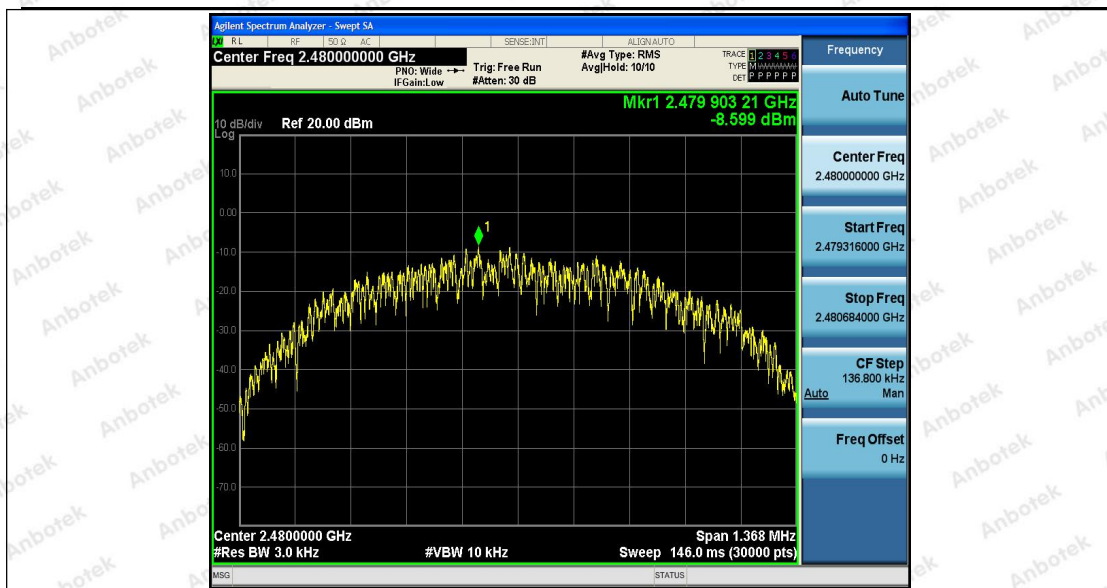


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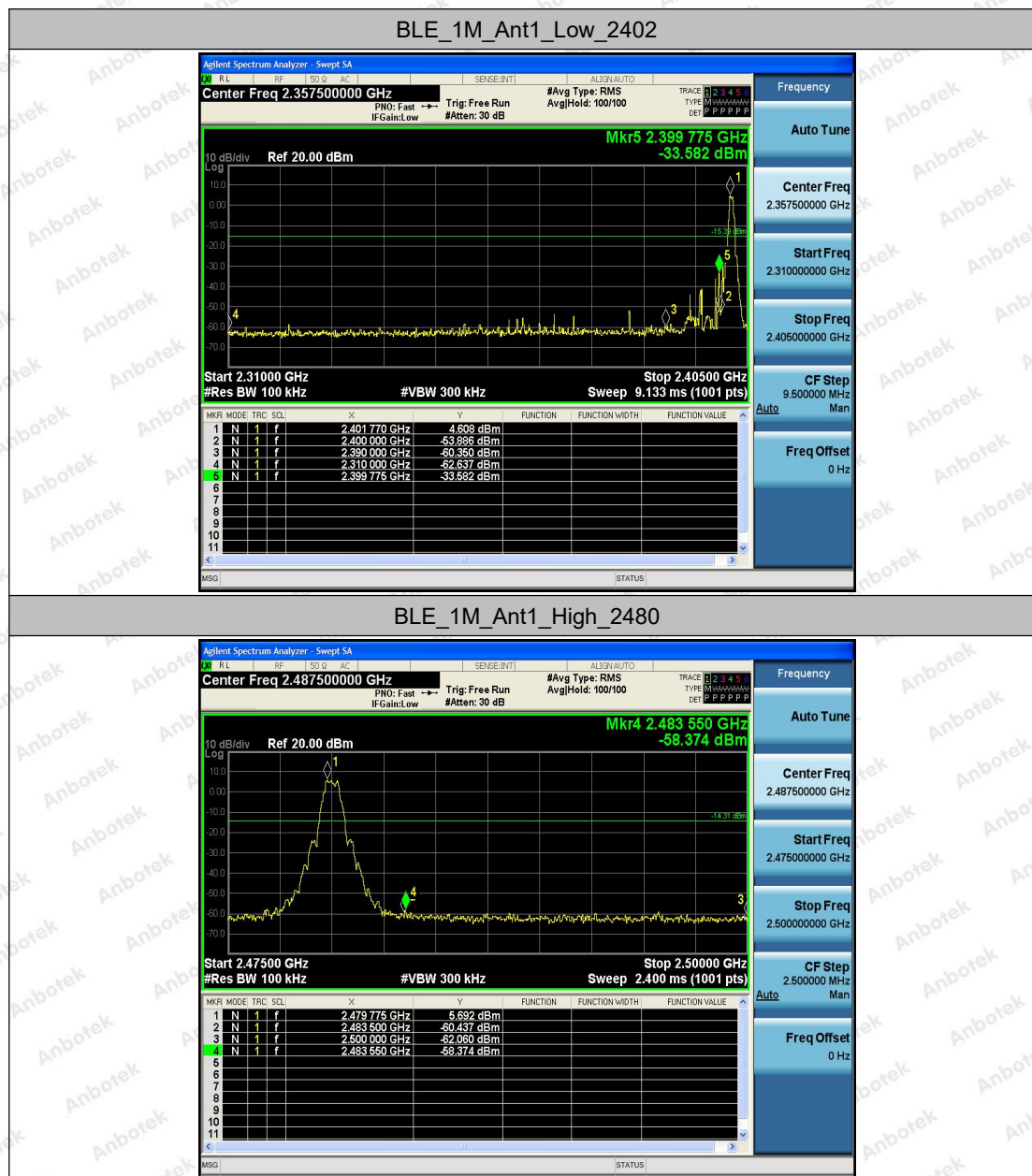
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch Name	Channel	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	4.61	-33.58	≤-15.39	PASS
		High	2480	5.69	-58.37	≤-14.31	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

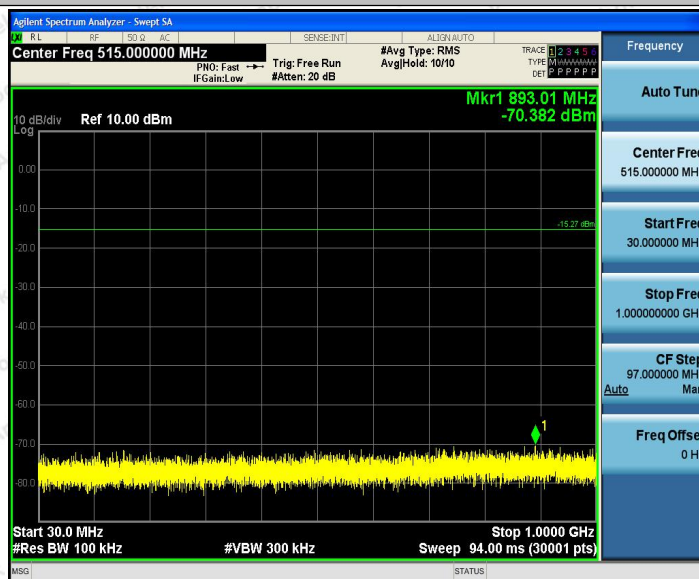
Test Mode	Antenna	Channel	Freq Range [MHz]	Ref Level [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	4.73	4.73	---	PASS
			30~1000	4.73	-70.38	≤-15.27	PASS
			1000~26500	4.73	-54.7	≤-15.27	PASS
		2440	Reference	5.74	5.74	---	PASS
			30~1000	5.74	-70.52	≤-14.26	PASS
			1000~26500	5.74	-55.89	≤-14.26	PASS
		2480	Reference	5.66	5.66	---	PASS
			30~1000	5.66	-69.53	≤-14.34	PASS
			1000~26500	5.66	-55.17	≤-14.34	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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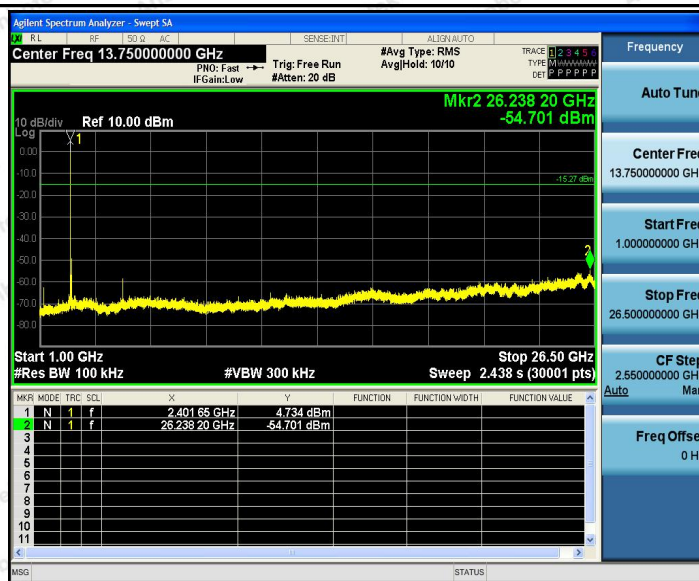
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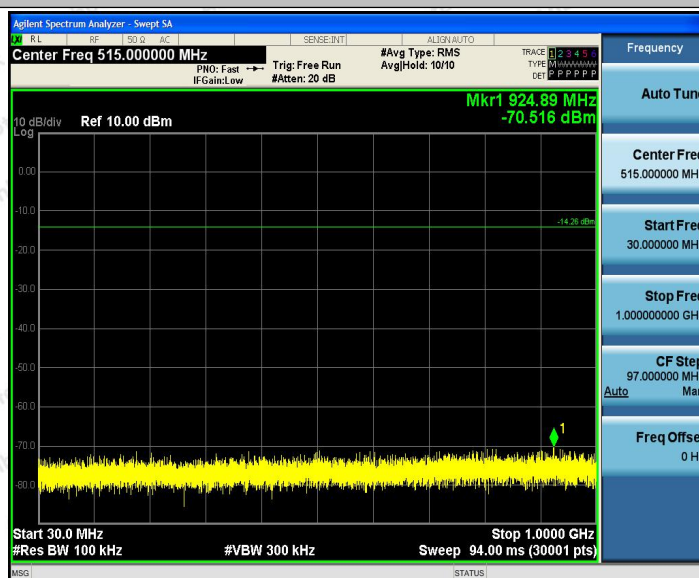
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



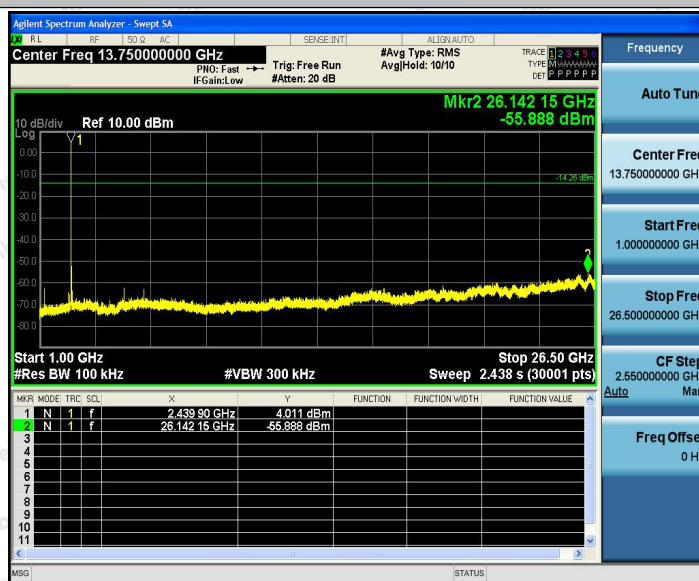
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



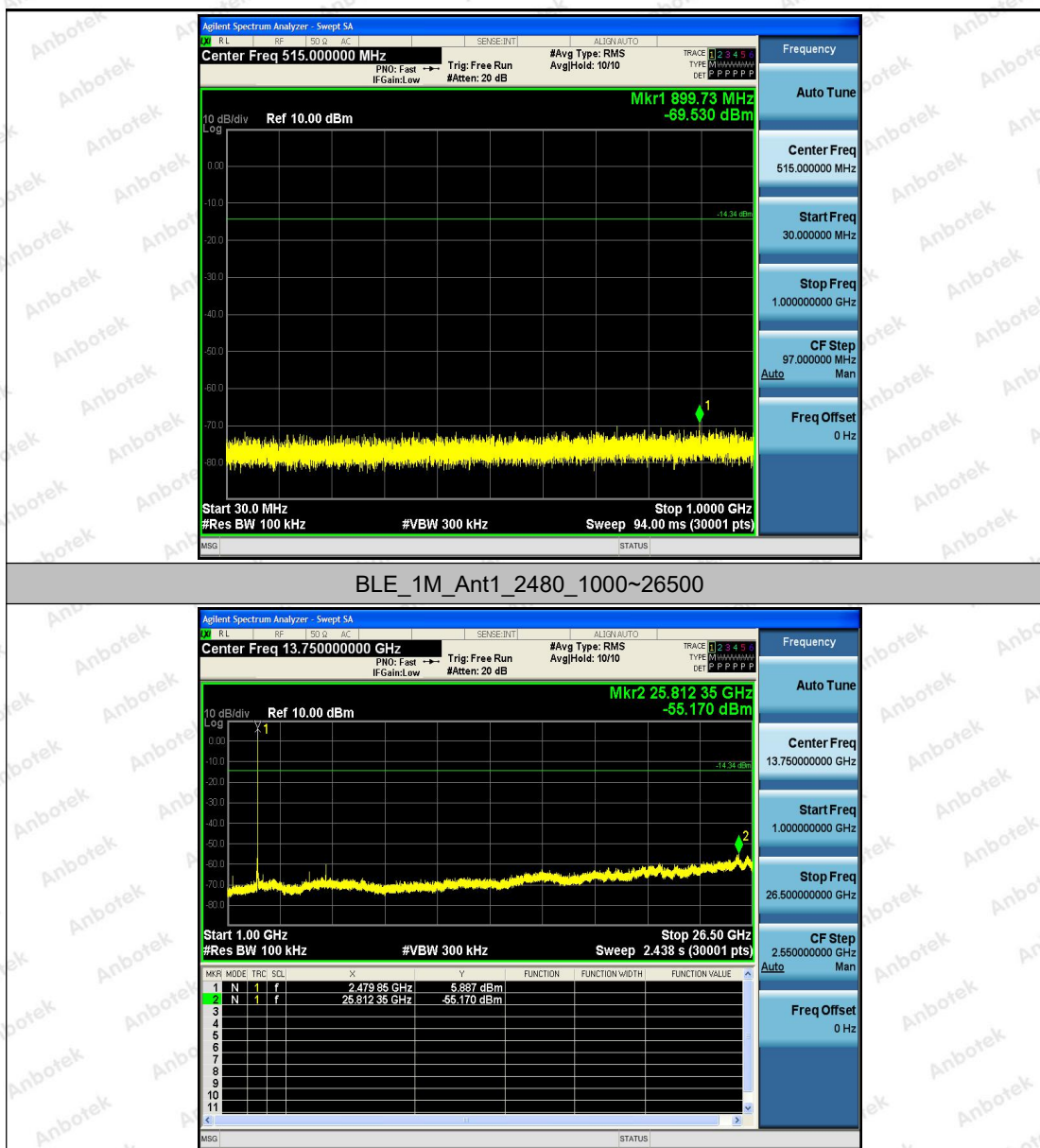
BLE_1M_Ant1_2480_30~1000

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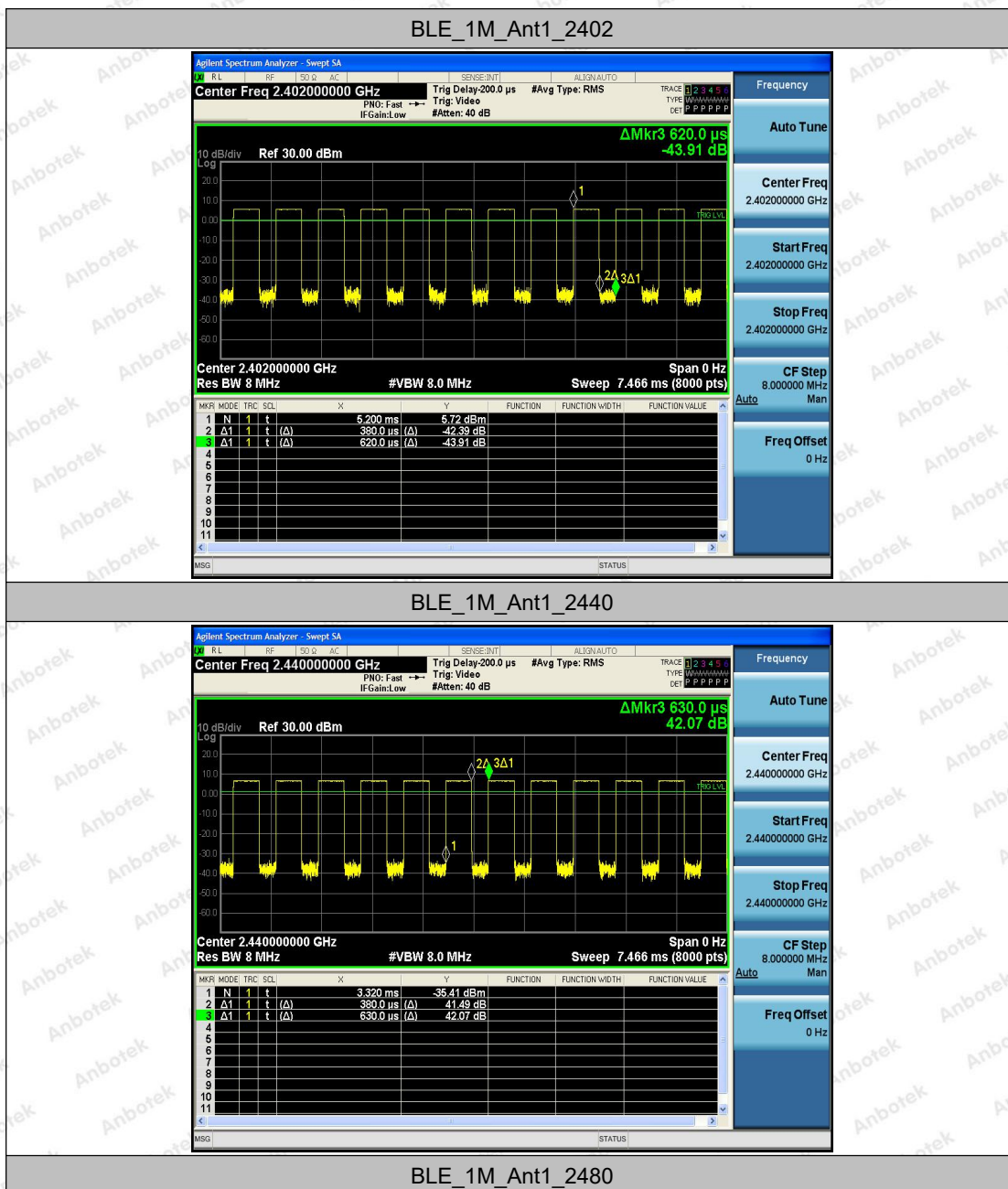
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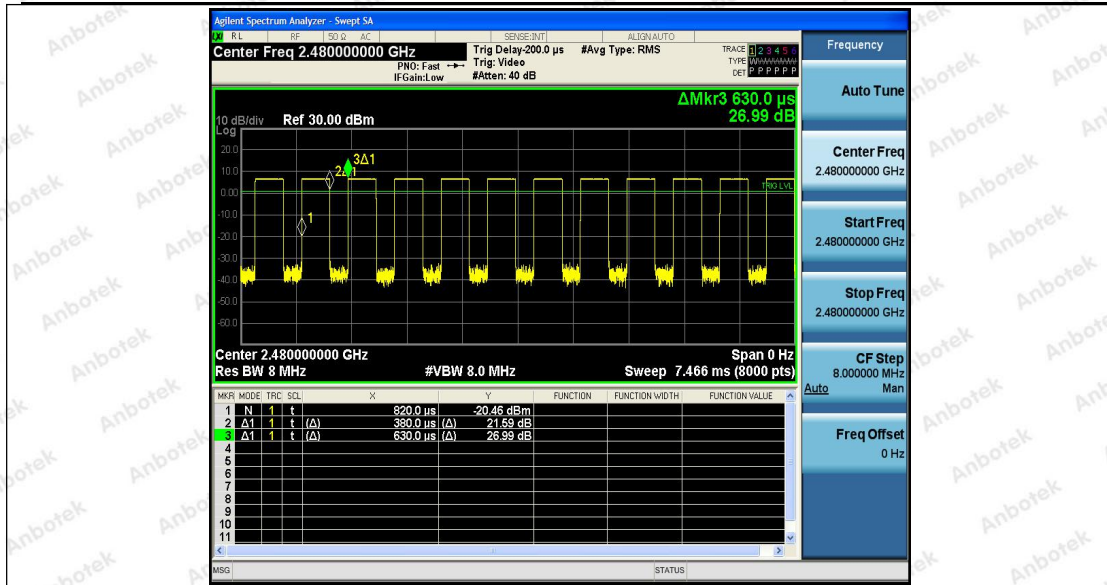
Appendix G: Duty Cycle

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	0.63	0.6032	60.32	2.20	---	PASS
		2480	0.38	0.63	0.6032	60.32	2.20	---	PASS

Test Graphs





---End---