

Appendix Test Data

Report No.:	18220WC20107101	Test Sample No.:	1-2-2
Start Test Date:	2022.5.18	Finish Test Date:	2022.5.26
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.3℃	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	0.716	2401.616	2402.332	≥0.5	PASS
		2440	0.724	2439.612	2440.336	≥0.5	PASS
		2480	0.672	2479.656	2480.328	≥0.5	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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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	1.0431	2401.465	2402.508	---	PASS
		2440	1.0466	2439.466	2440.512	---	PASS
		2480	1.0326	2479.471	2480.503	---	PASS

Test Graphs



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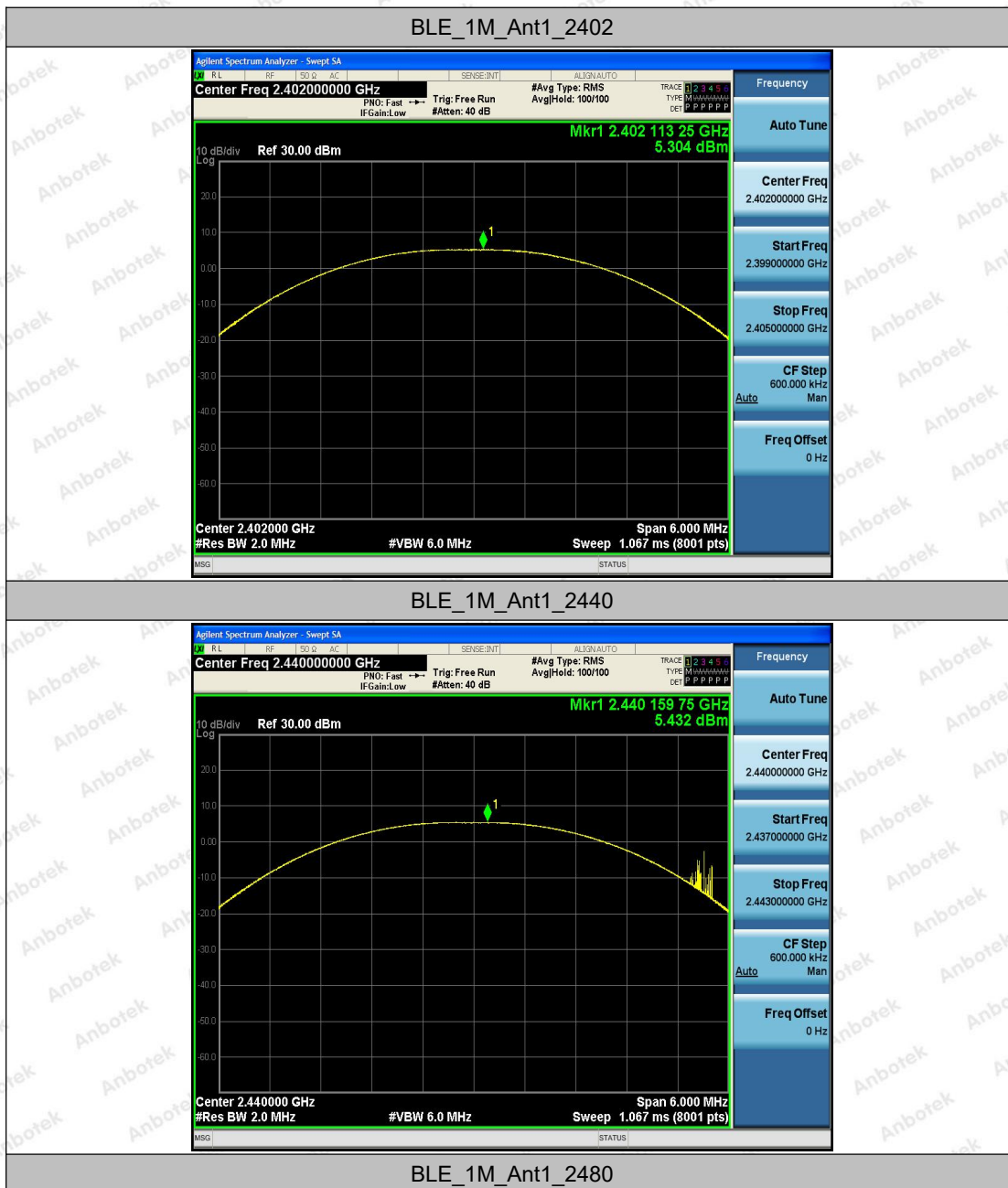
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Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	5.3	≤30	PASS
		2440	5.43	≤30	PASS
		2480	5.45	≤30	PASS

Test Graphs

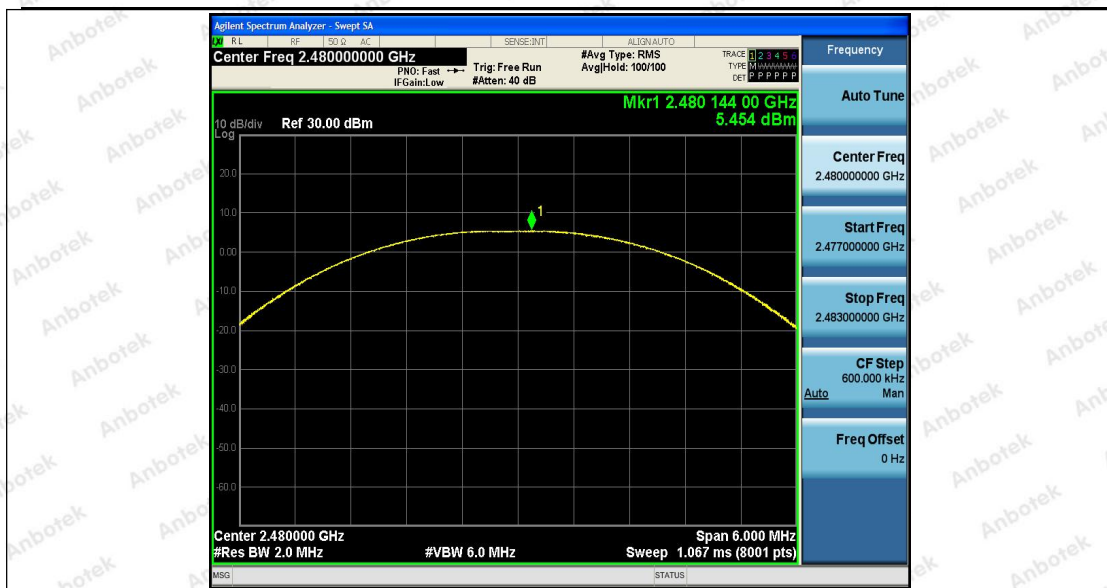


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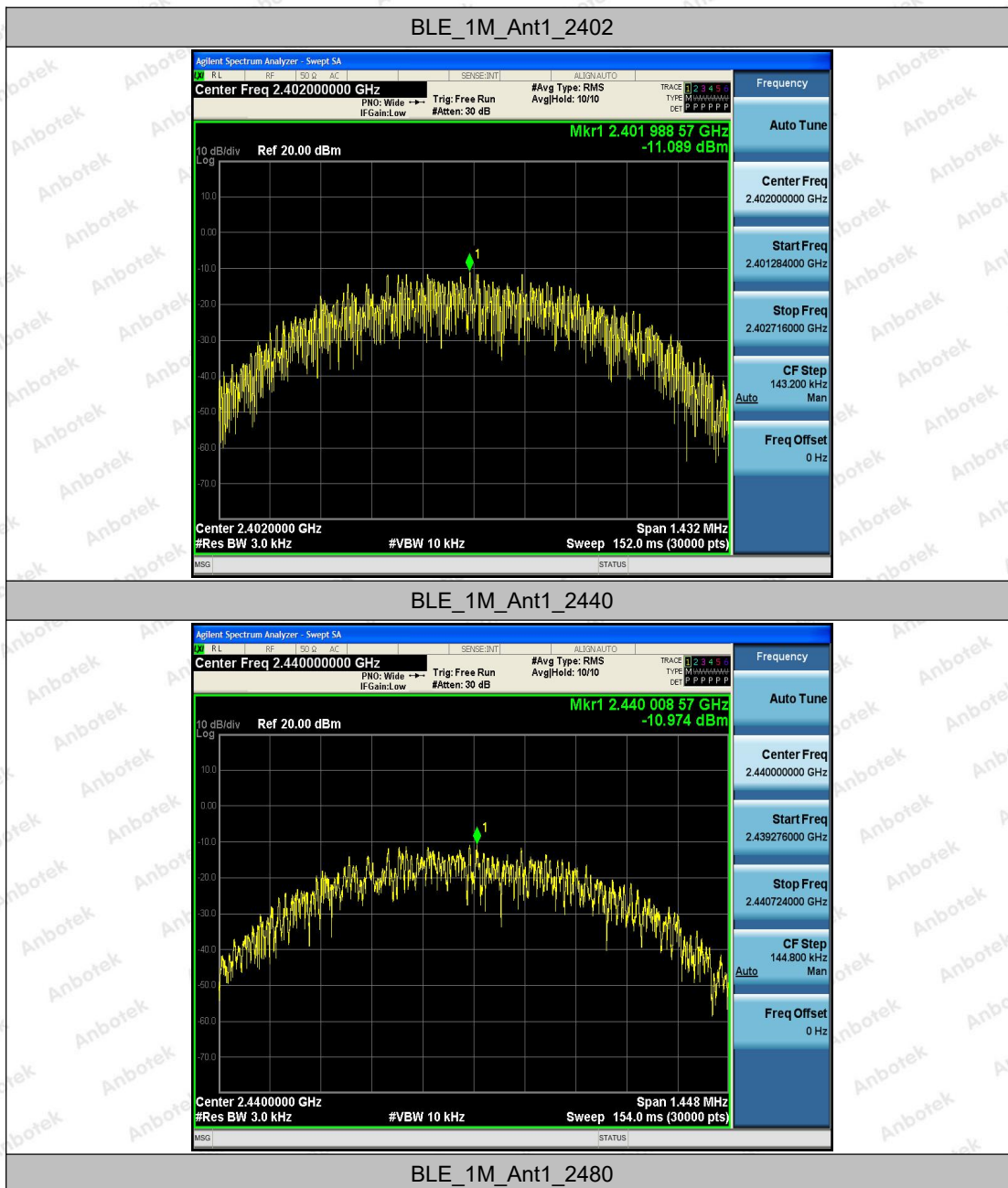
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Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-11.09	≤8	PASS
		2440	-10.97	≤8	PASS
		2480	-12.56	≤8	PASS

Test Graphs

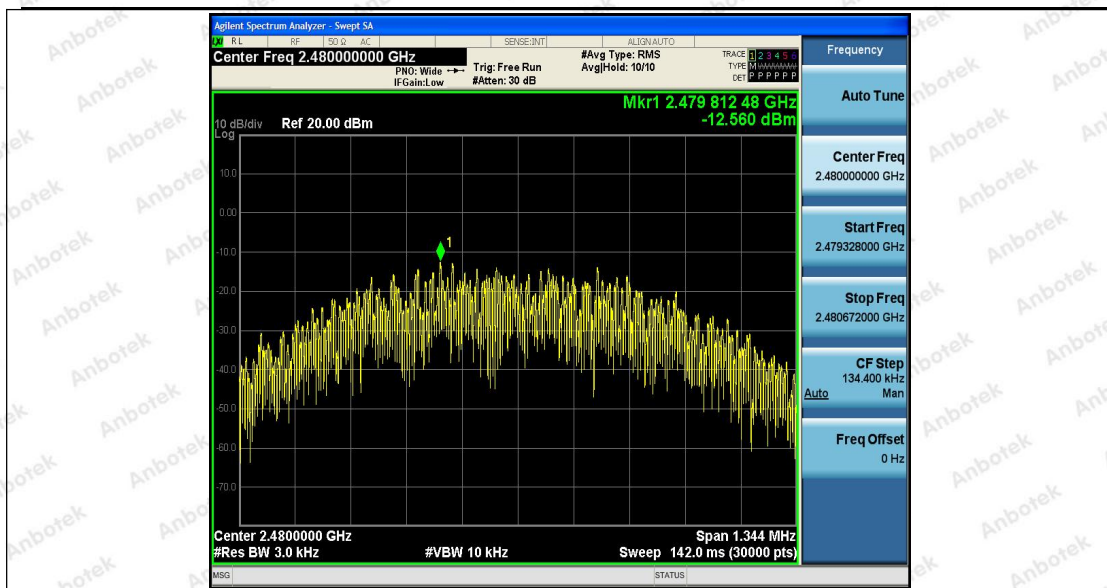


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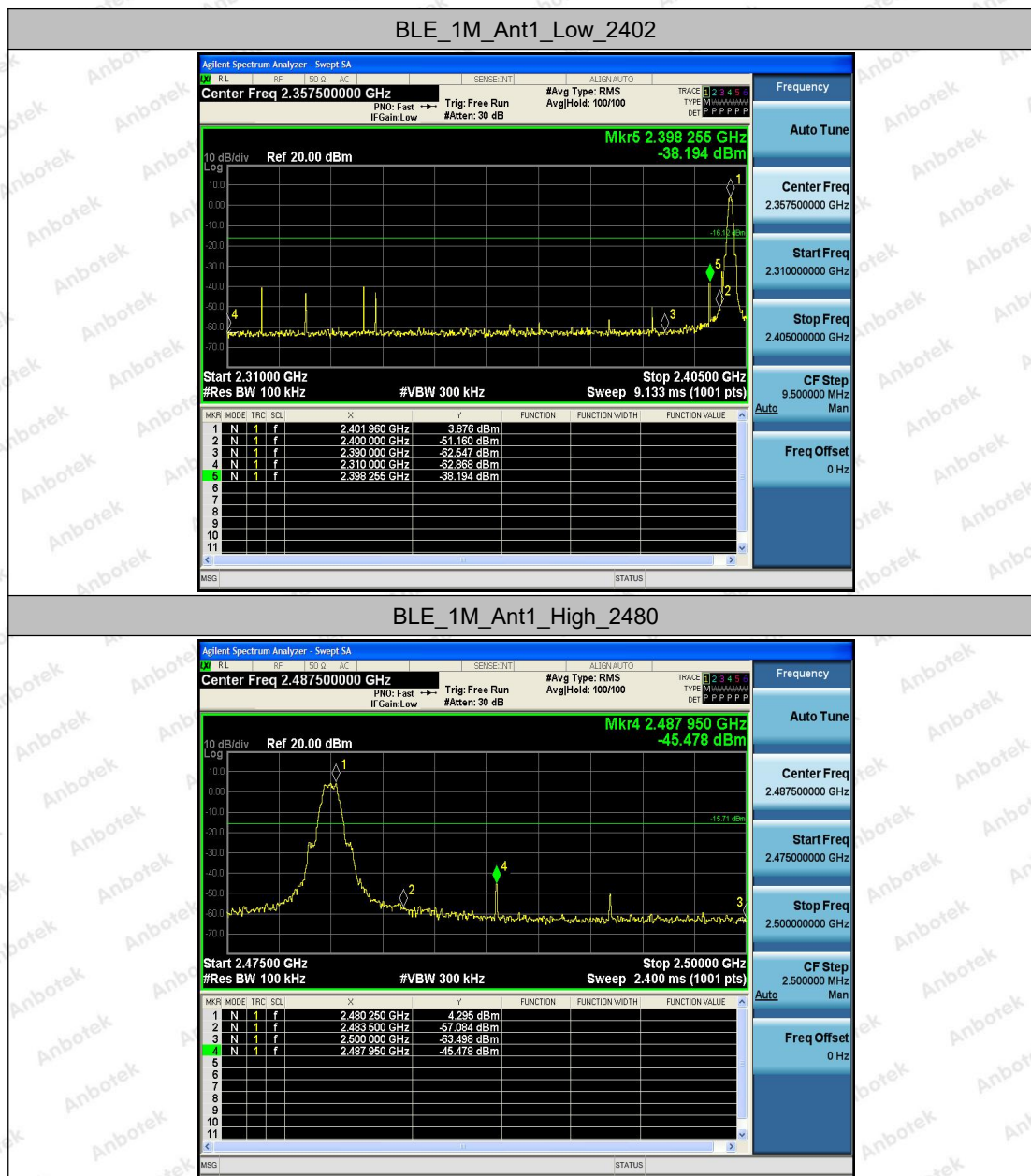
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch Name	Channel	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	3.88	-38.19	≤-16.12	PASS
		High	2480	4.30	-45.48	≤-15.71	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

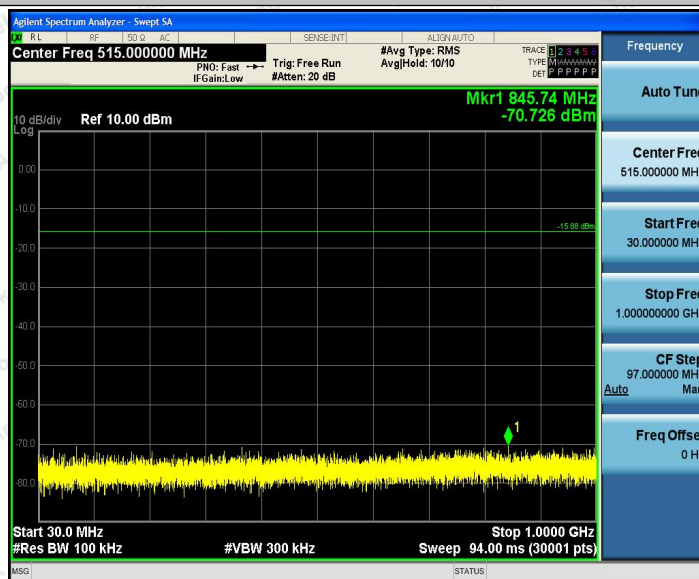
Test Mode	Antenna	Channel	Freq Range [MHz]	Ref Level [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	4.12	4.12	---	PASS
			30~1000	4.12	-70.73	≤-15.88	PASS
			1000~26500	4.12	-37.68	≤-15.88	PASS
		2440	Reference	4.13	4.13	---	PASS
			30~1000	4.13	-69.71	≤-15.87	PASS
			1000~26500	4.13	-37.56	≤-15.87	PASS
		2480	Reference	4.48	4.48	---	PASS
			30~1000	4.48	-70.39	≤-15.53	PASS
			1000~26500	4.48	-39.9	≤-15.53	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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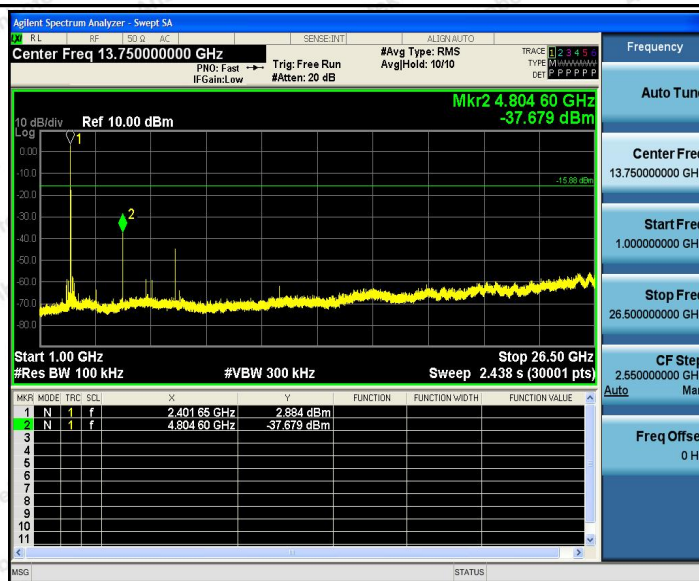
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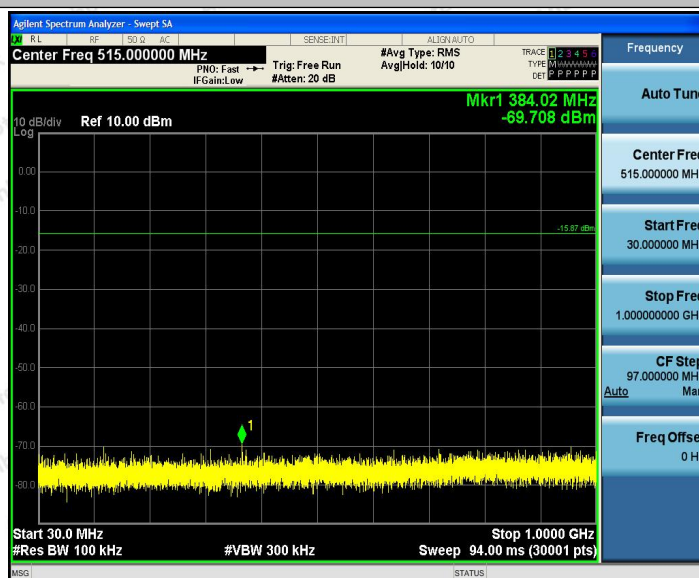
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



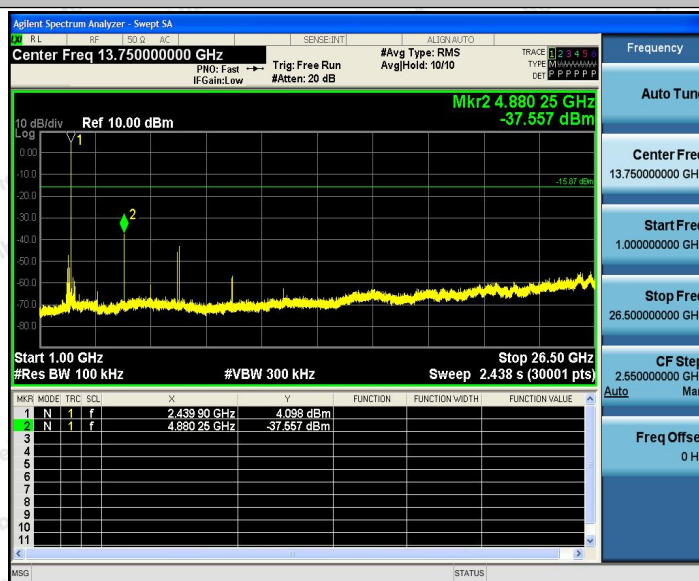
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



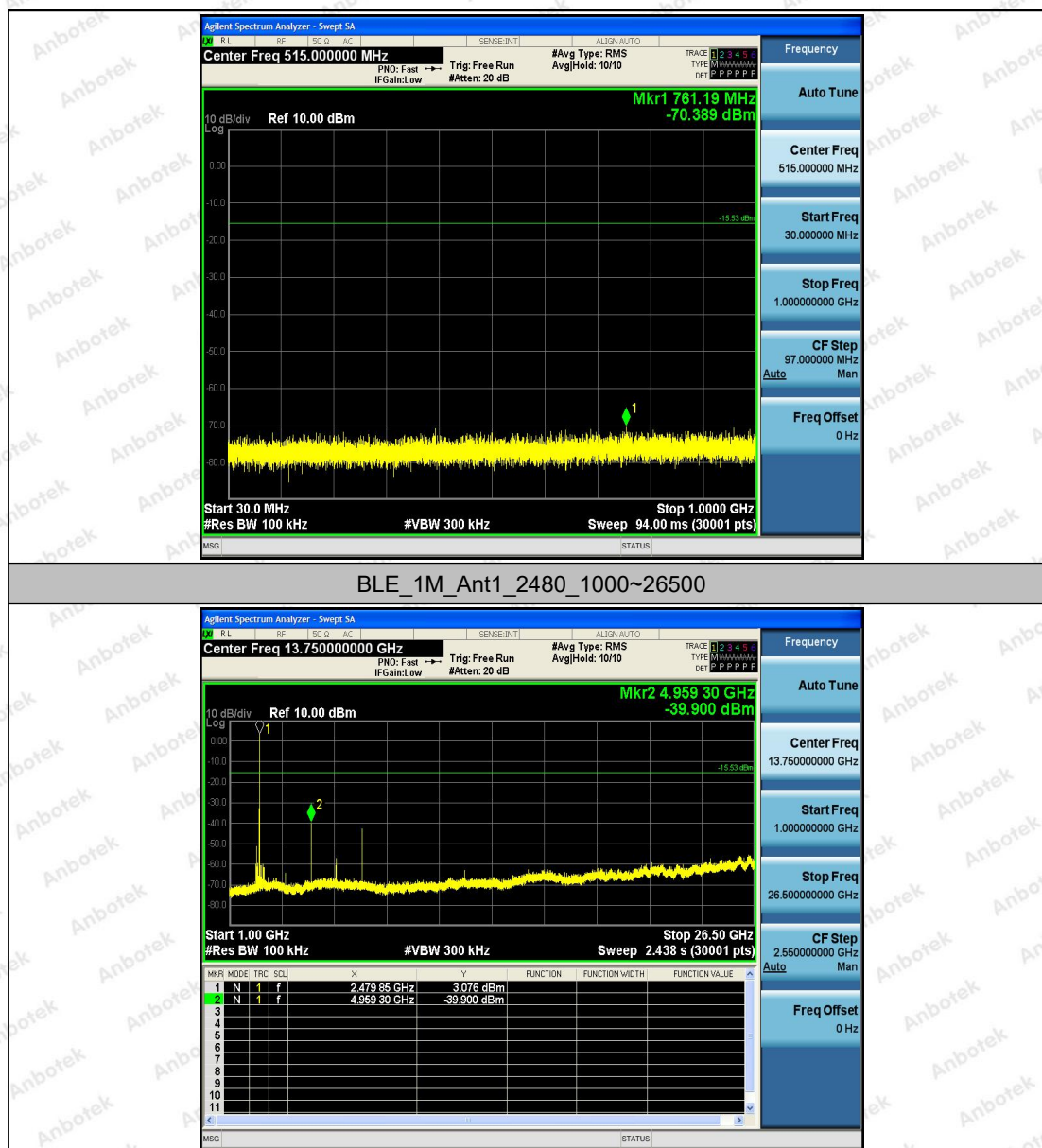
BLE_1M_Ant1_2480_30~1000

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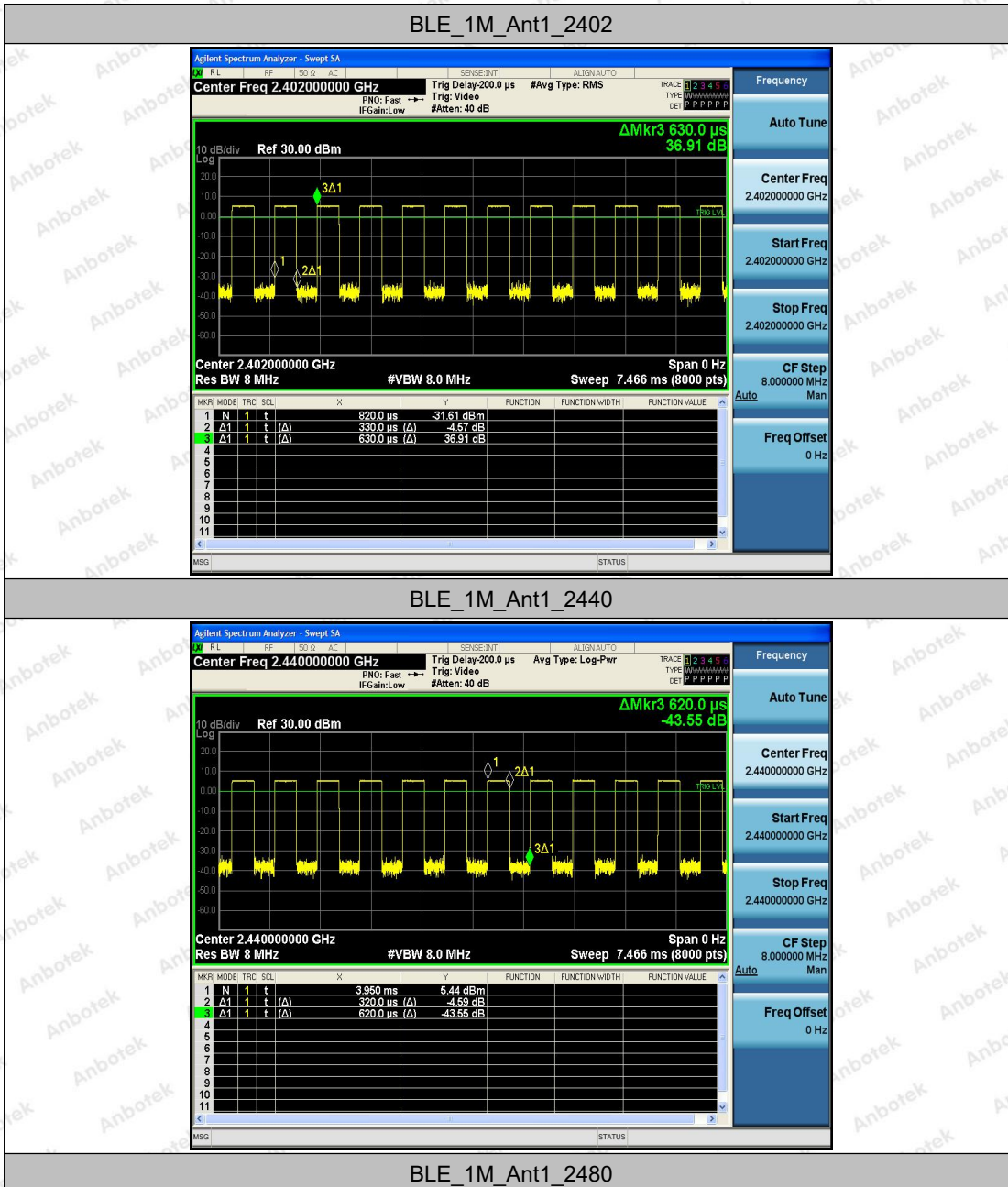
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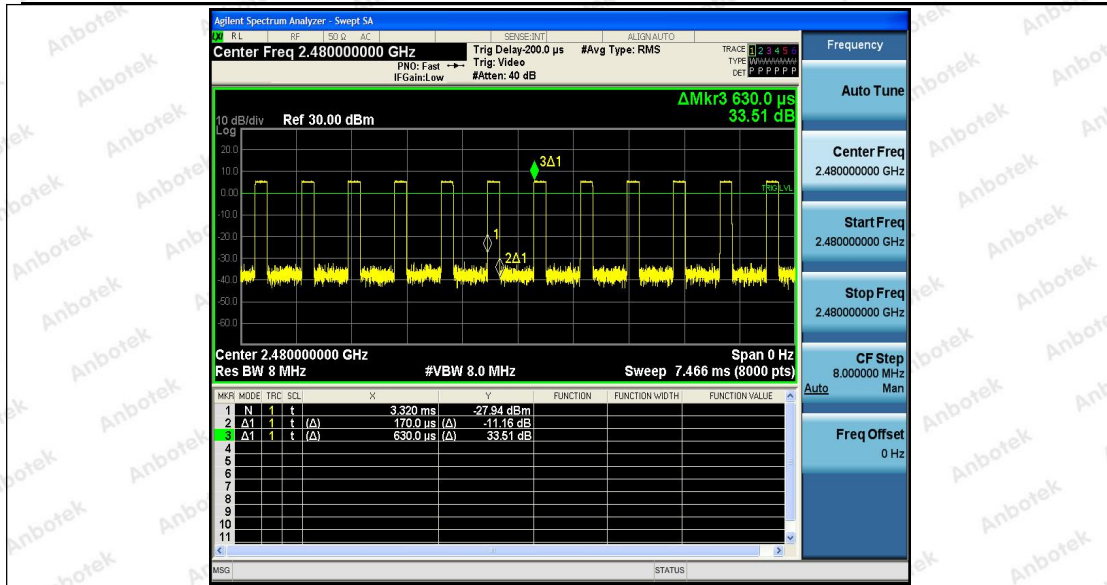
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	X Factor	Limit	Verdict
BLE_1M	Ant1	2402	0.33	0.63	0.5238	52.38	2.81	---	PASS
		2440	0.32	0.62	0.5161	51.61	2.87	---	PASS
		2480	0.17	0.63	0.2698	26.98	5.69	---	PASS

Test Graphs





---End---