

Appendix Test Data

Project No.:	18220WC10174302	Test Date:	2021..8.11
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3C°	Relative Humidity:	57 %
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	0.684	2401.644	2402.328	≥0.5	PASS
		2440	0.700	2439.644	2440.344	≥0.5	PASS
		2480	0.704	2479.628	2480.332	≥0.5	PASS

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Test Graphs



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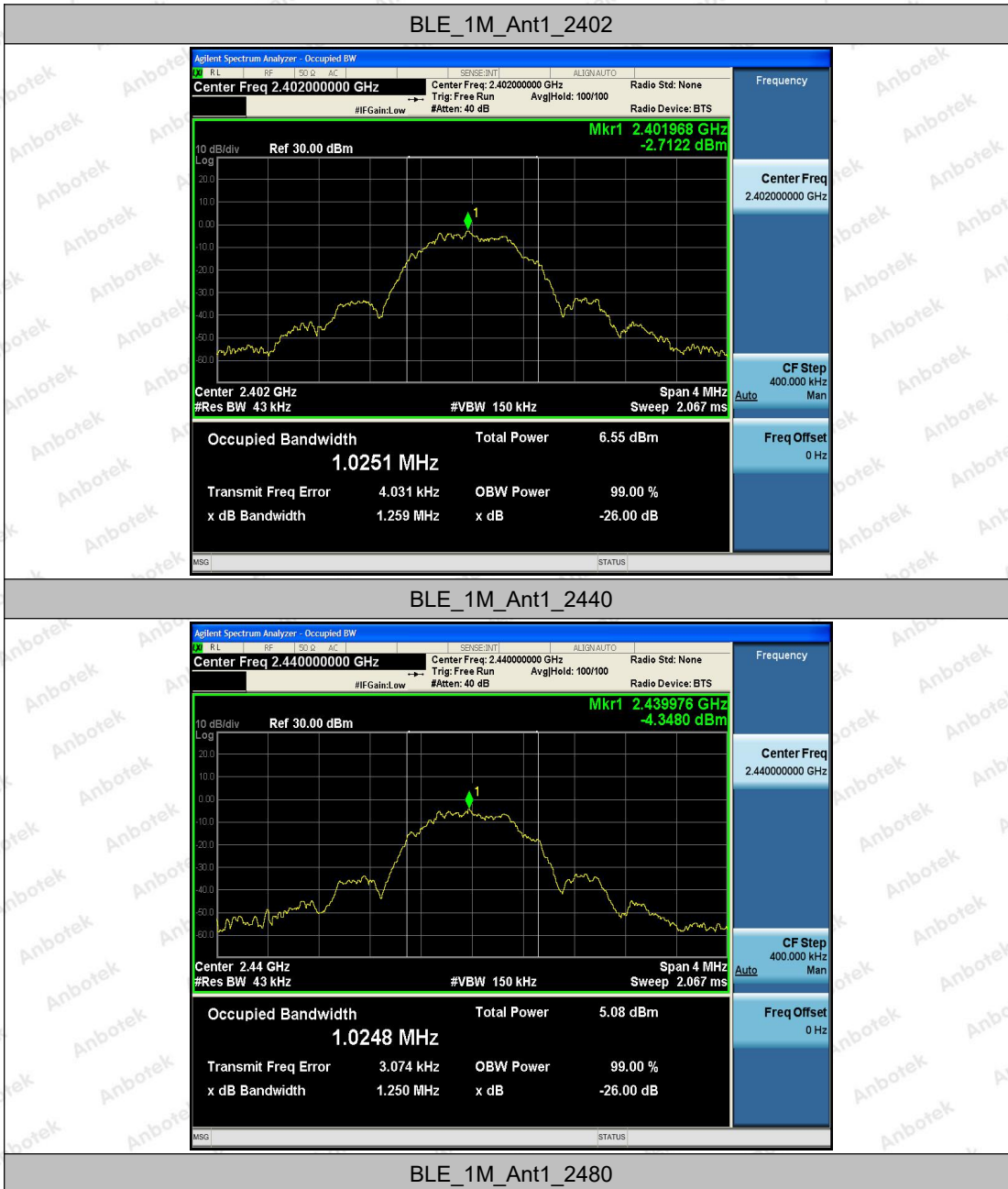
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0251	2401.491	2402.517	---	PASS
		2440	1.0248	2439.491	2440.515	---	PASS
		2480	1.0255	2479.492	2480.517	---	PASS

Test Graphs



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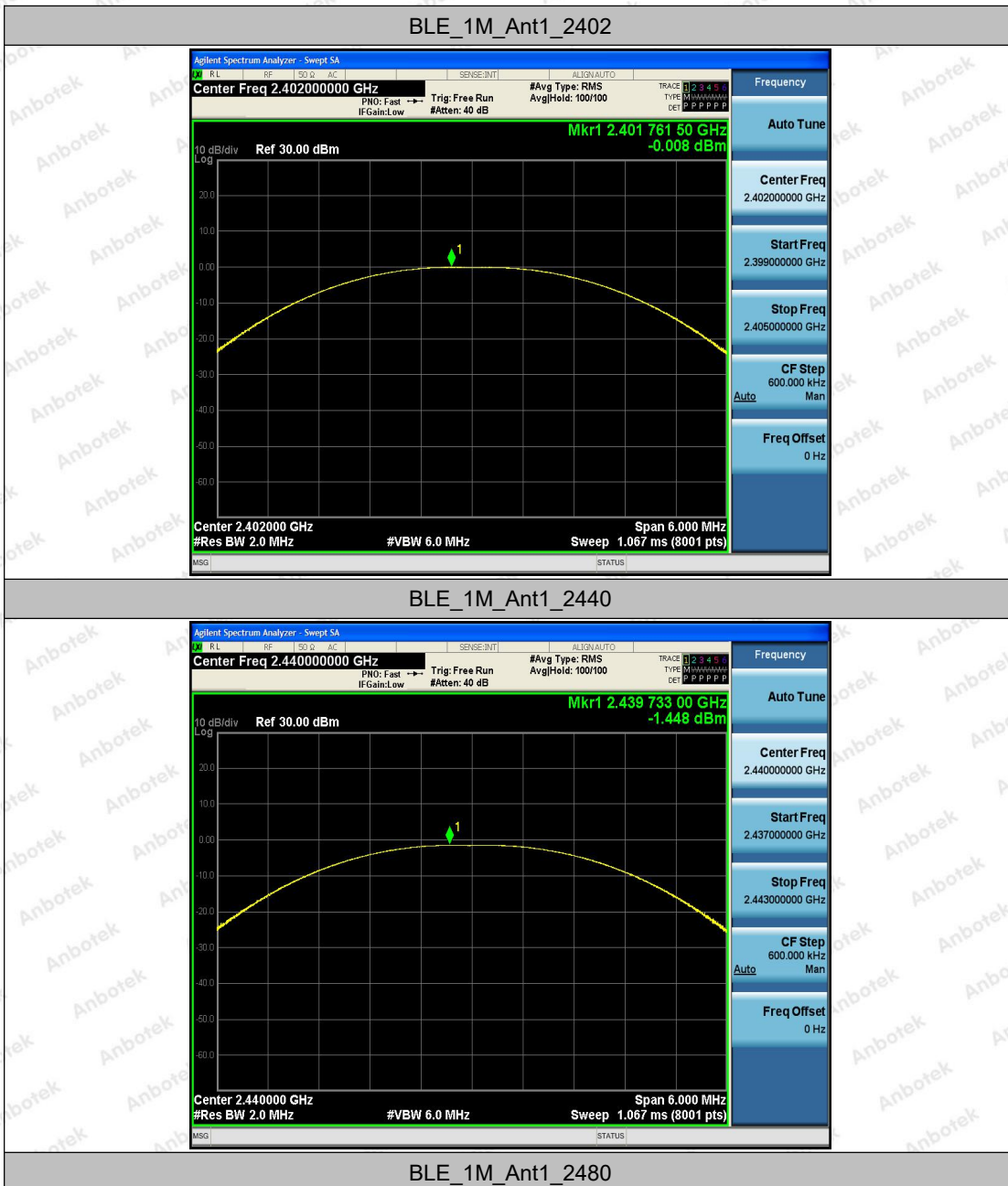
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.01	≤30	PASS
		2440	-1.45	≤30	PASS
		2480	1.23	≤30	PASS

Test Graphs

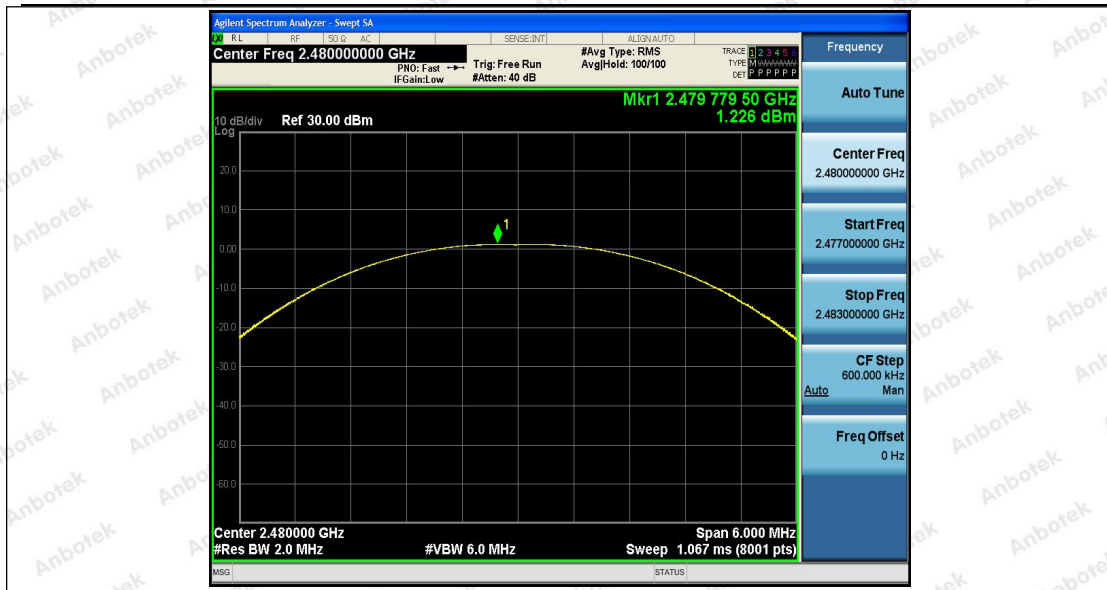


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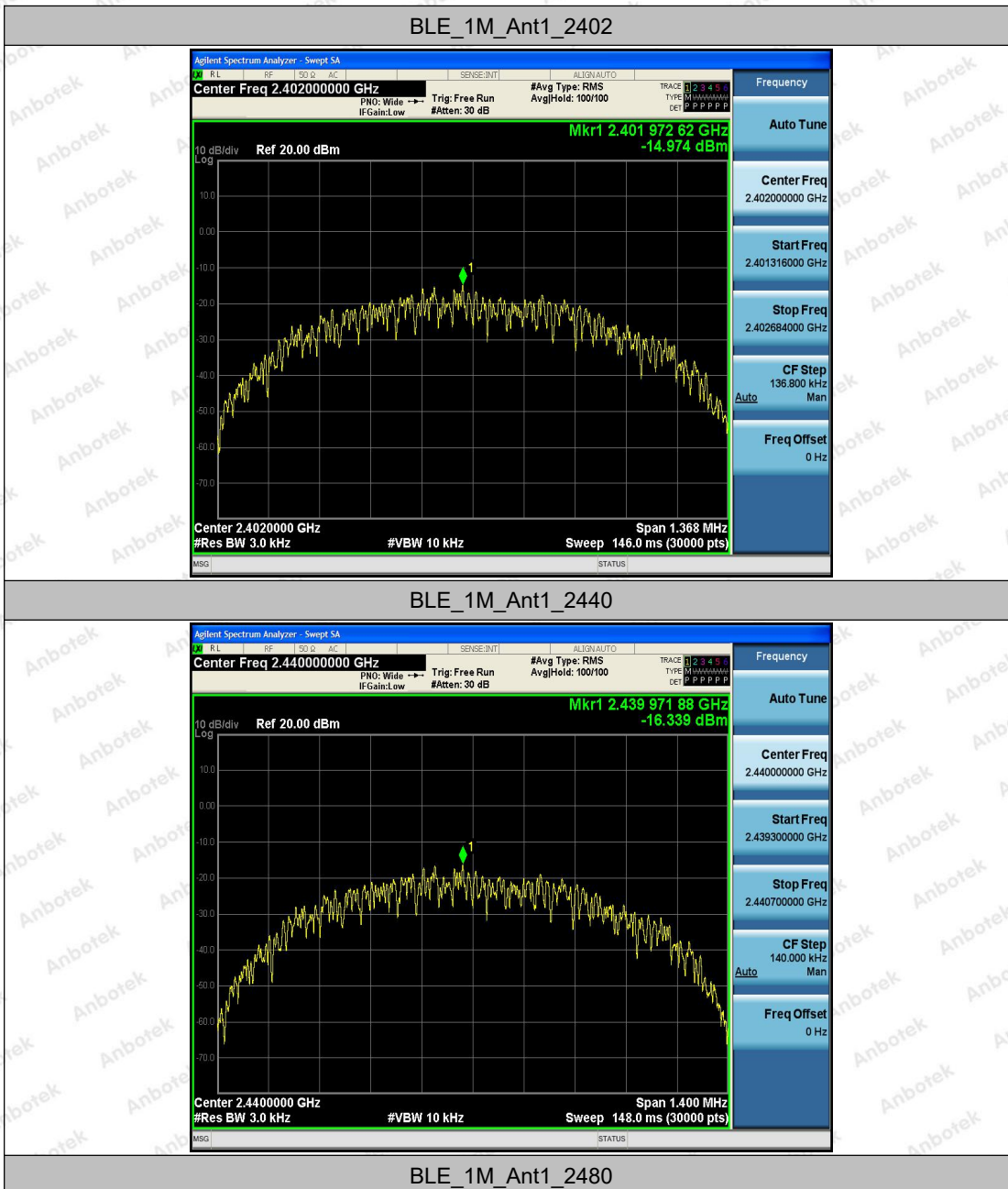
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.97	≤8	PASS
		2440	-16.34	≤8	PASS
		2480	-13.71	≤8	PASS

Test Graphs



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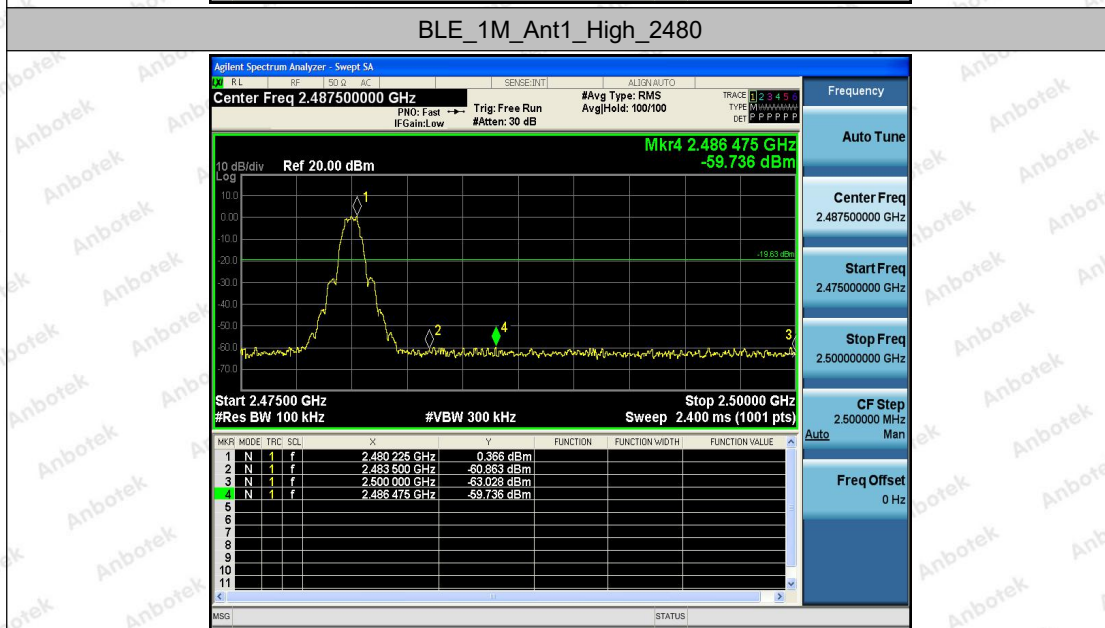
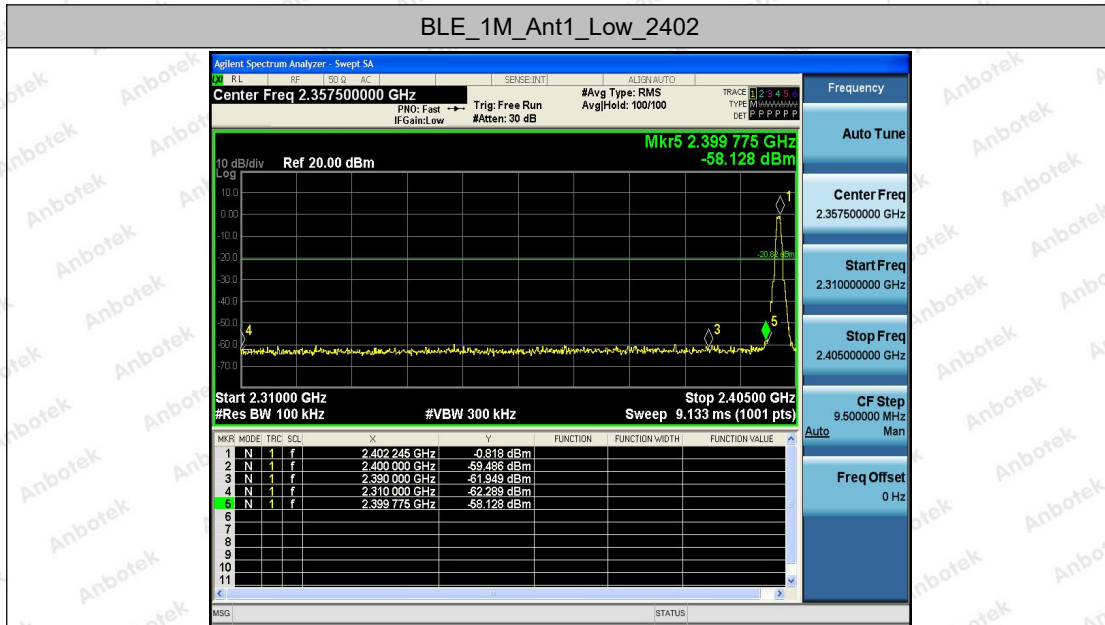
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.82	-58.13	≤-20.82	PASS
		High	2480	0.37	-59.74	≤-19.63	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	-0.89	-0.89	---	PASS
			30~1000	-0.89	-70.46	≤-20.89	PASS
			1000~26500	-0.89	-41.54	≤-20.89	PASS
		2440	Reference	-2.45	-2.45	---	PASS
			30~1000	-2.45	-70.53	≤-22.45	PASS
			1000~26500	-2.45	-42.74	≤-22.45	PASS
		2480	Reference	0.45	0.45	---	PASS
			30~1000	0.45	-61.4	≤-19.55	PASS
			1000~26500	0.45	-51.28	≤-19.55	PASS

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Test Graphs

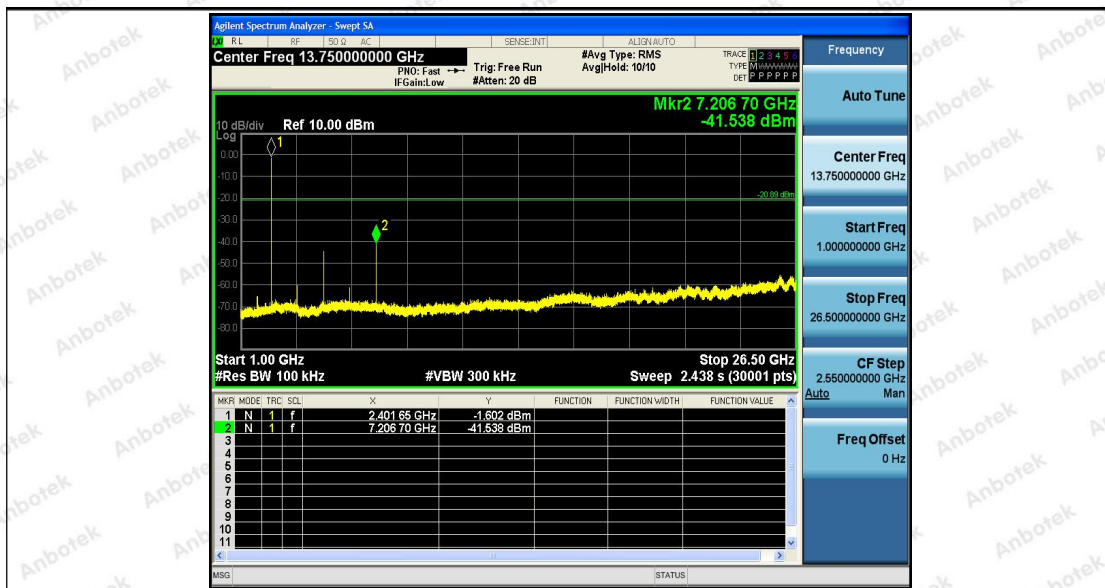


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BLE_1M_Ant1_2440_0~Reference



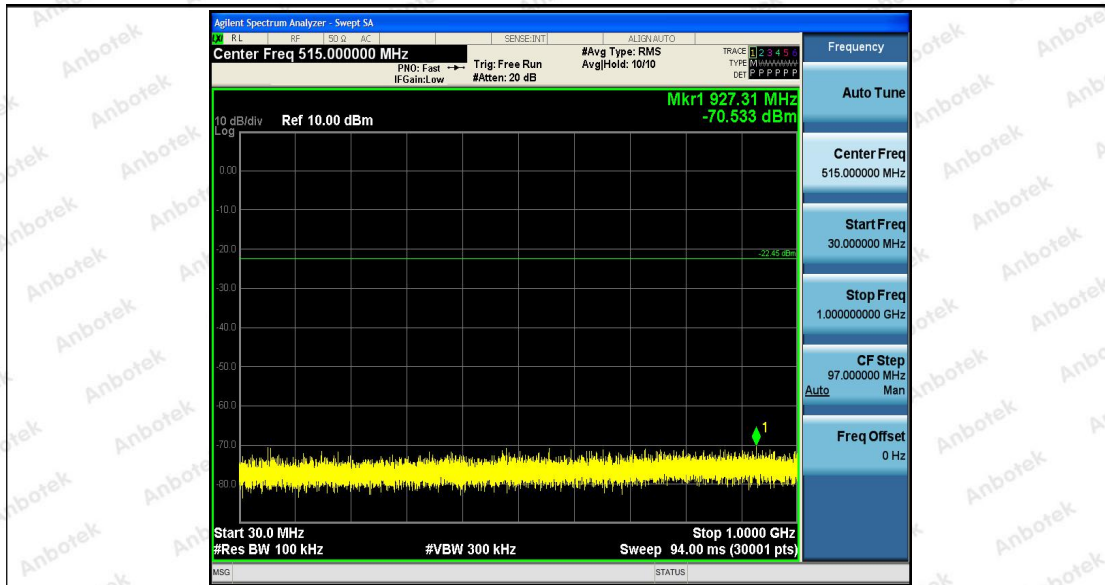
BLE_1M_Ant1_2440_30~1000

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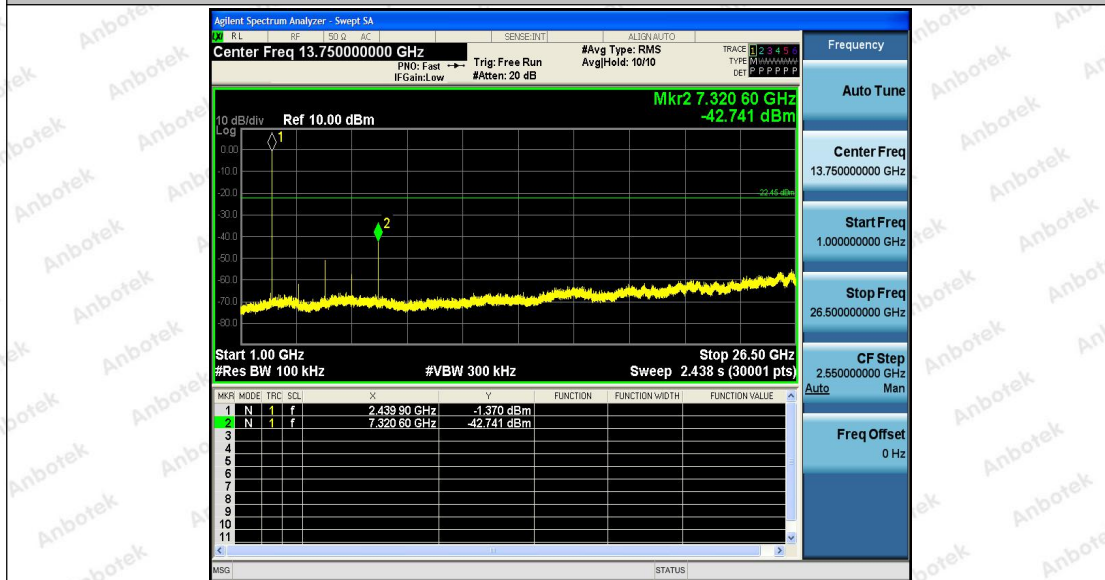
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

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BLE_1M_Ant1_2480_30~1000



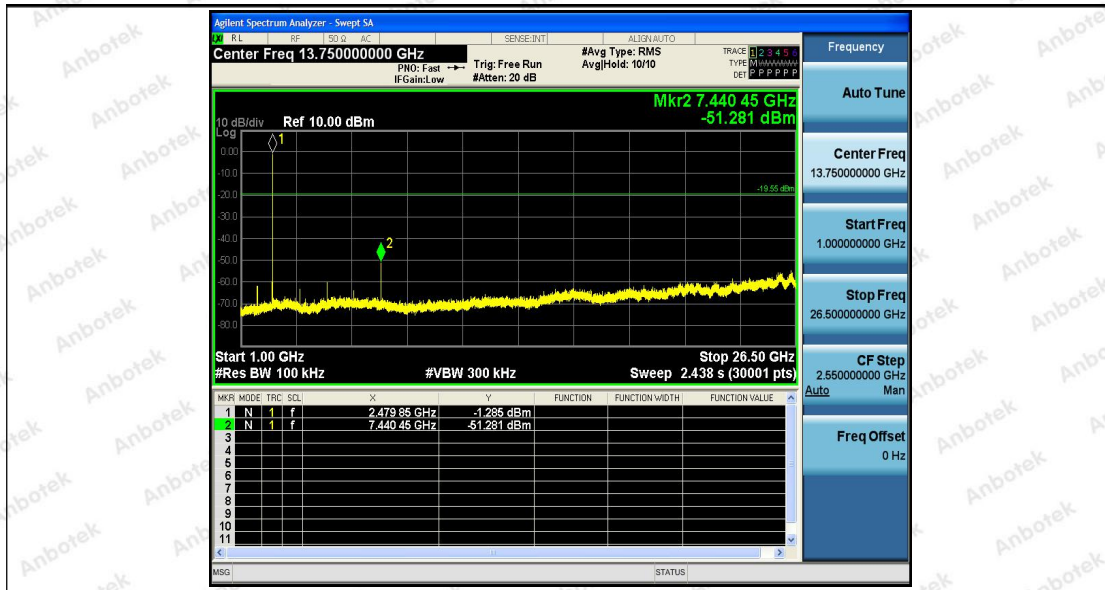
BLE_1M_Ant1_2480_1000~26500

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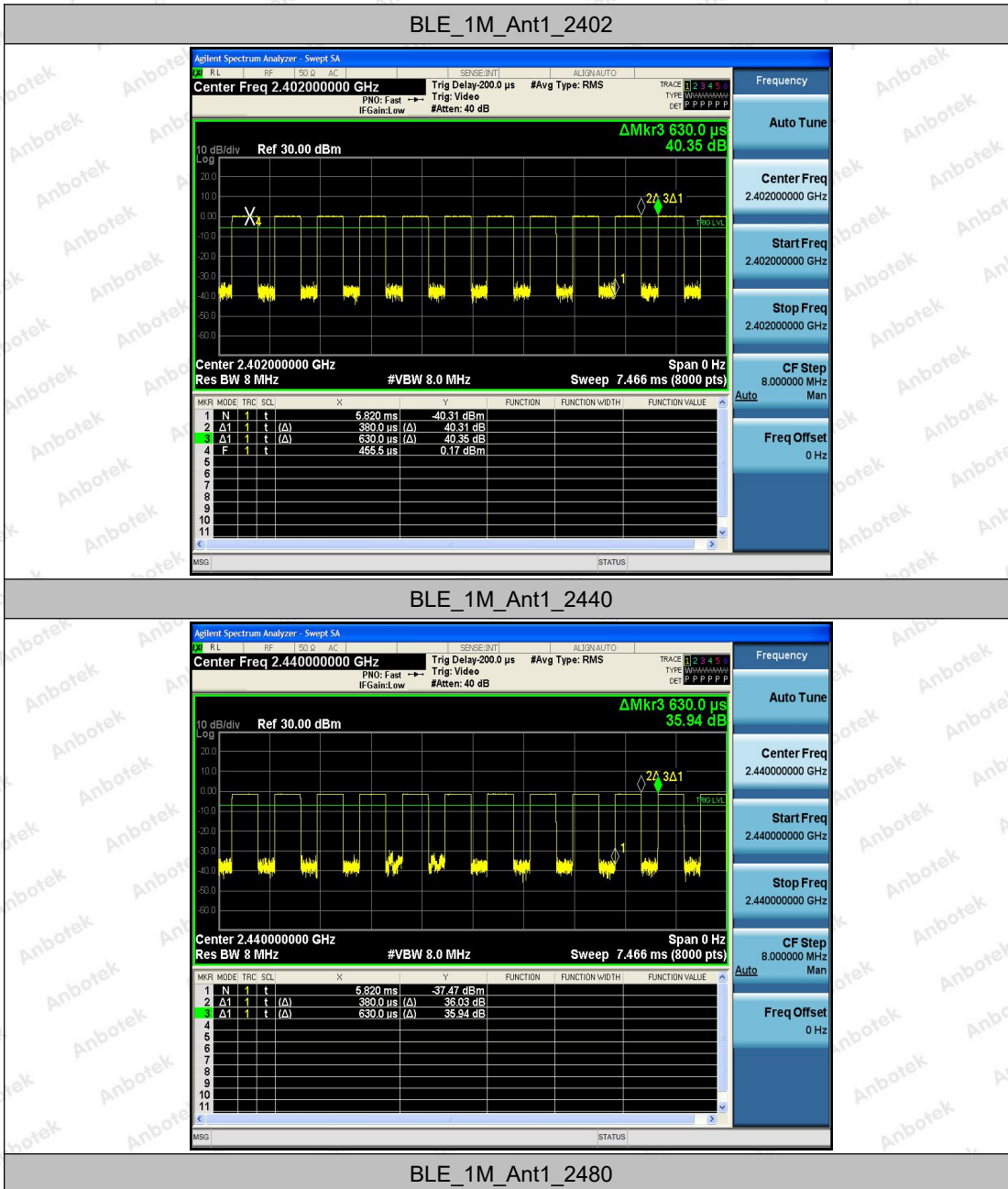
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Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	0.38	0.63	0.603 2	60.32	2.20	---	PASS
		2440	0.38	0.63	0.603 2	60.32	2.20	---	PASS
		2480	0.38	0.62	0.612 9	61.29	2.13	---	PASS

Test Graphs

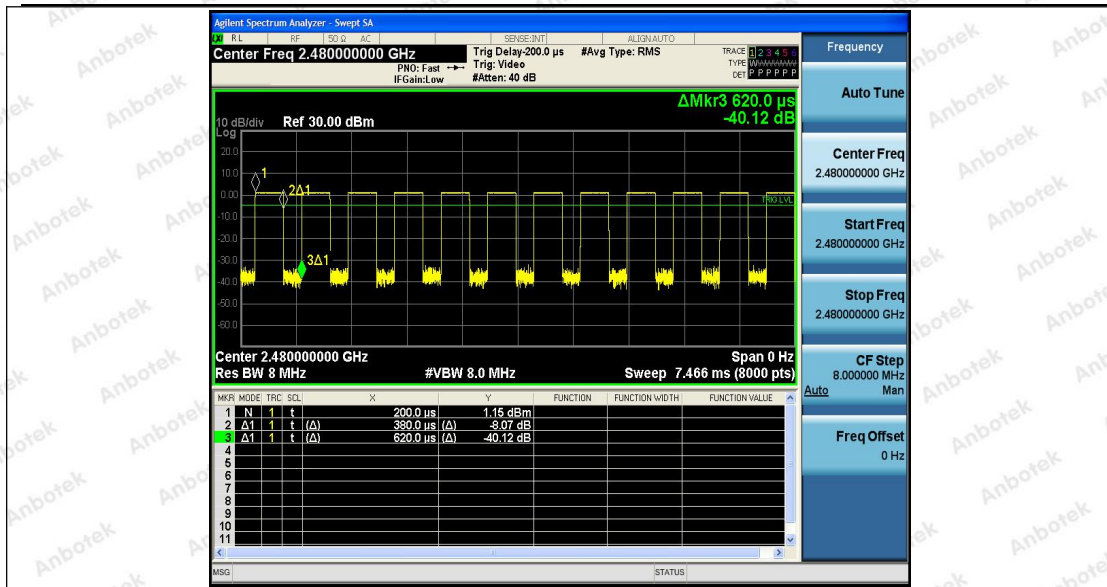


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