

Appendix Test Data

Report No.:	18220WC20104501	Test Sample No.:	1-2-2
Start Test Date:	2022.5.16	Finish Test Date:	2022.5.28
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.3°C	Relative Humidity:	57.3 %
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	2401.656	2402.344	≥0.5	PASS
		2440	0.708	2439.644	2440.352	≥0.5	PASS
		2480	0.708	2479.636	2480.344	≥0.5	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



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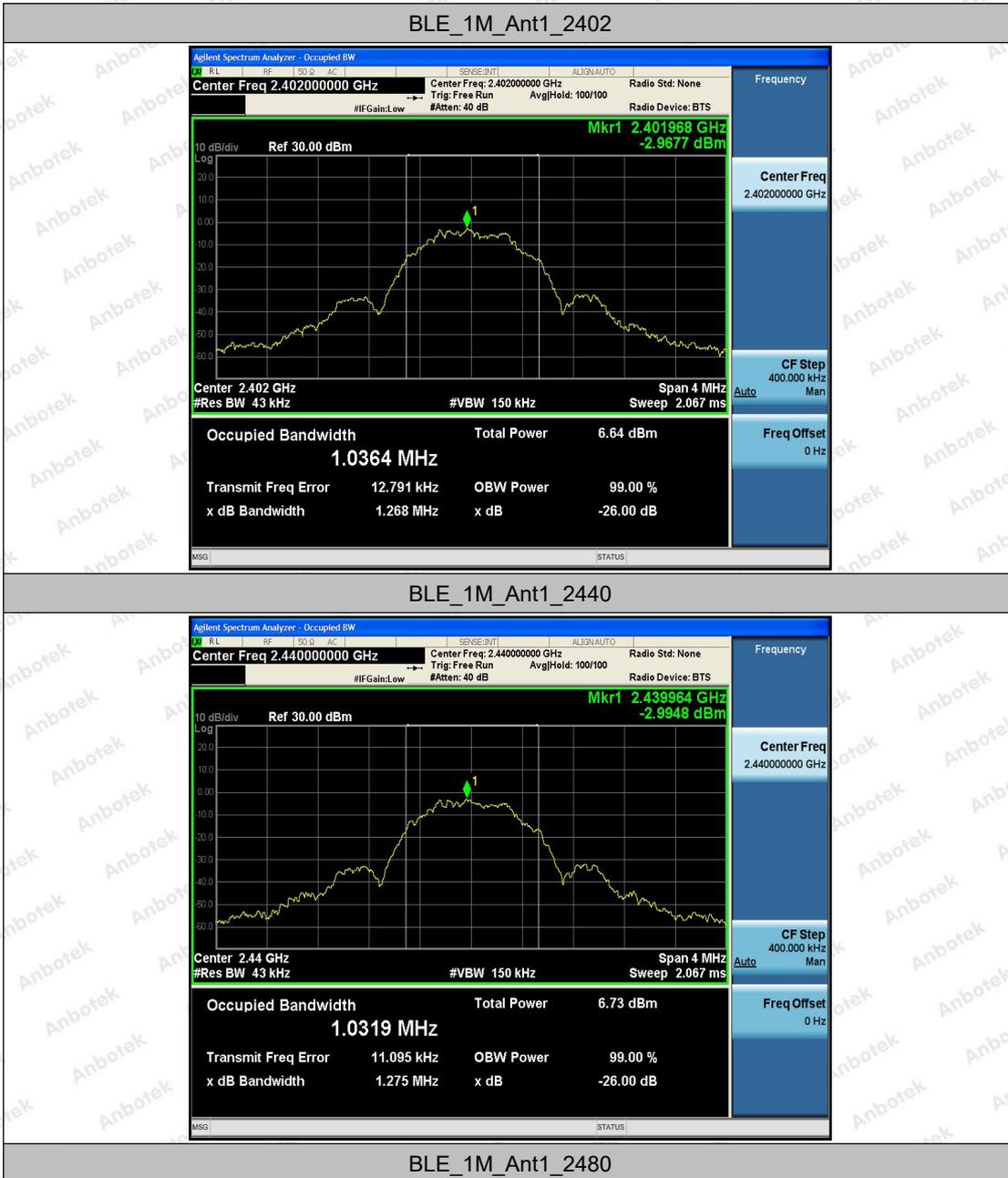
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Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0364	2401.495	2402.531	---	PASS
		2440	1.0319	2439.495	2440.527	---	PASS
		2480	1.0292	2479.495	2480.525	---	PASS

Test Graphs



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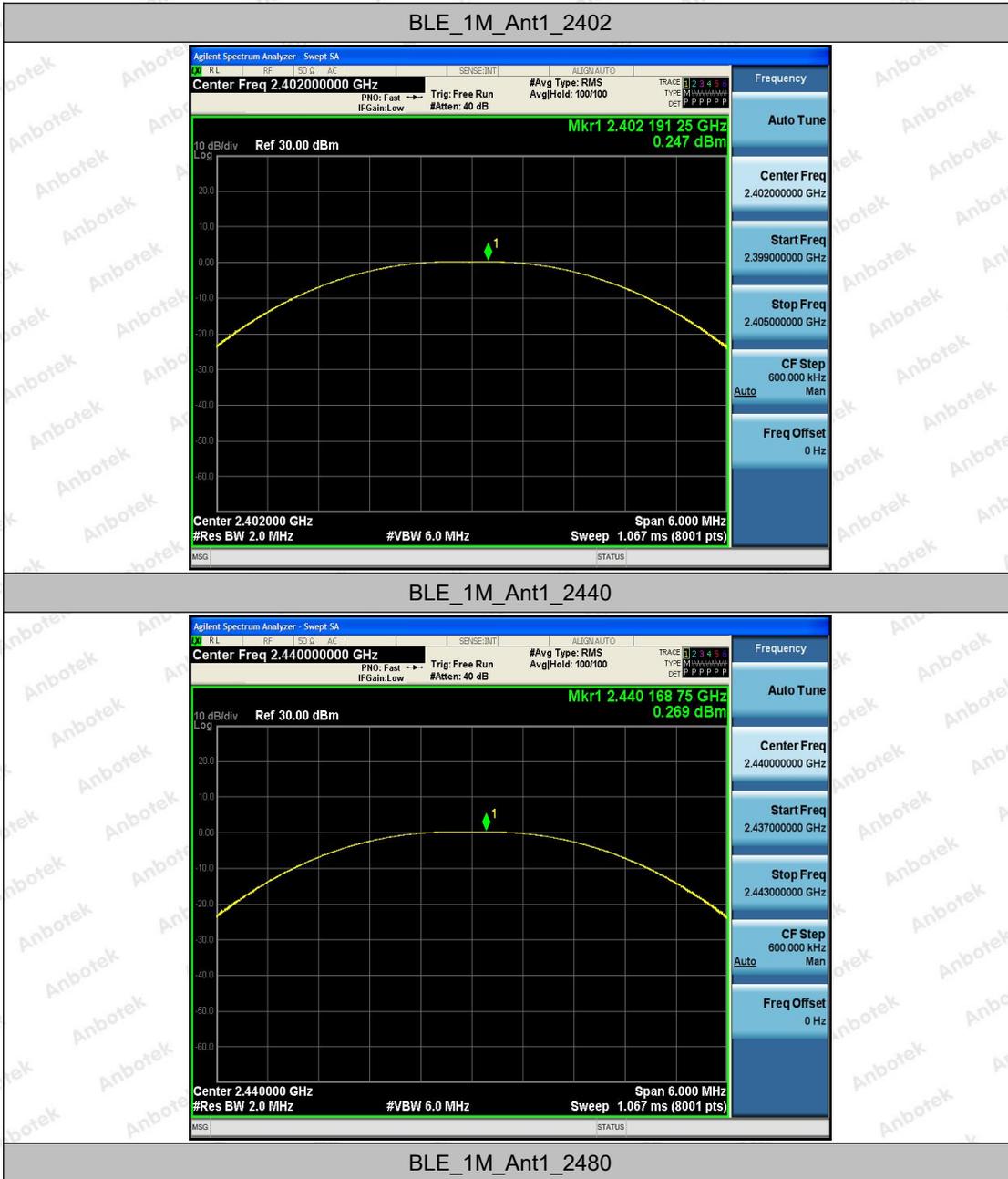
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Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.25	≤30	PASS
		2440	0.27	≤30	PASS
		2480	0.35	≤30	PASS

Test Graphs



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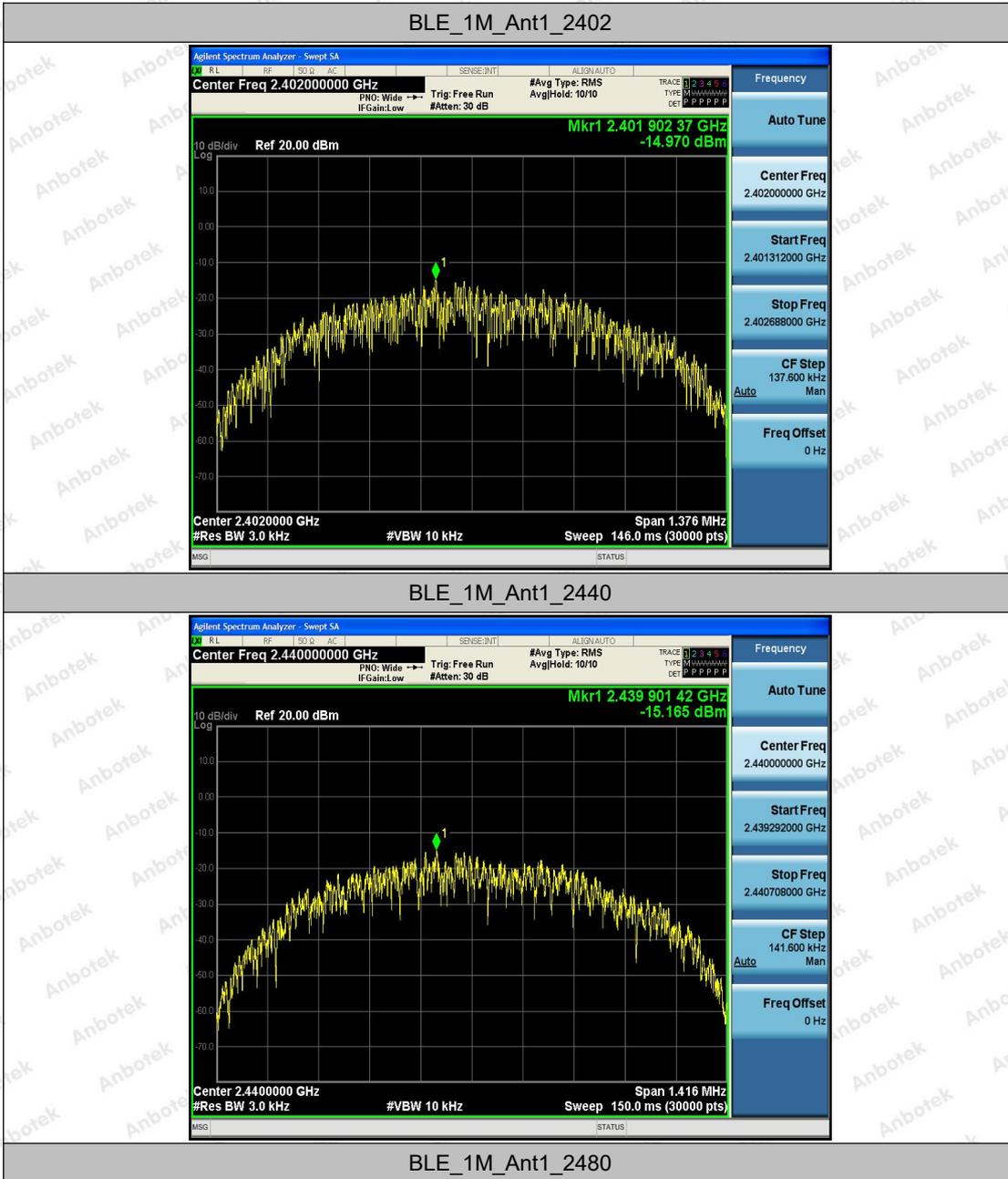
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Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.97	≤8	PASS
		2440	-15.17	≤8	PASS
		2480	-14.81	≤8	PASS

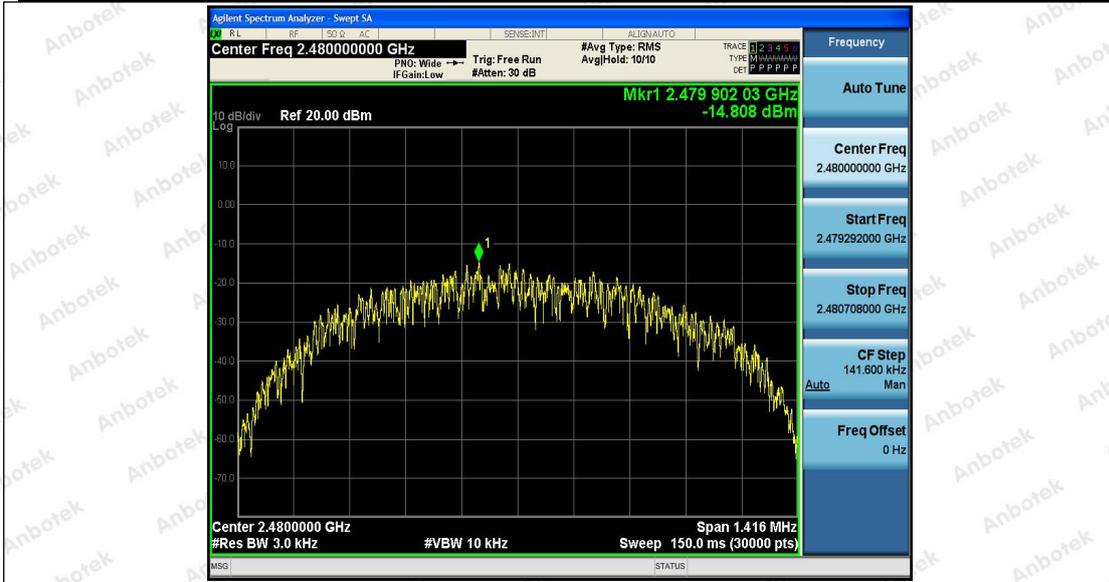
Test Graphs



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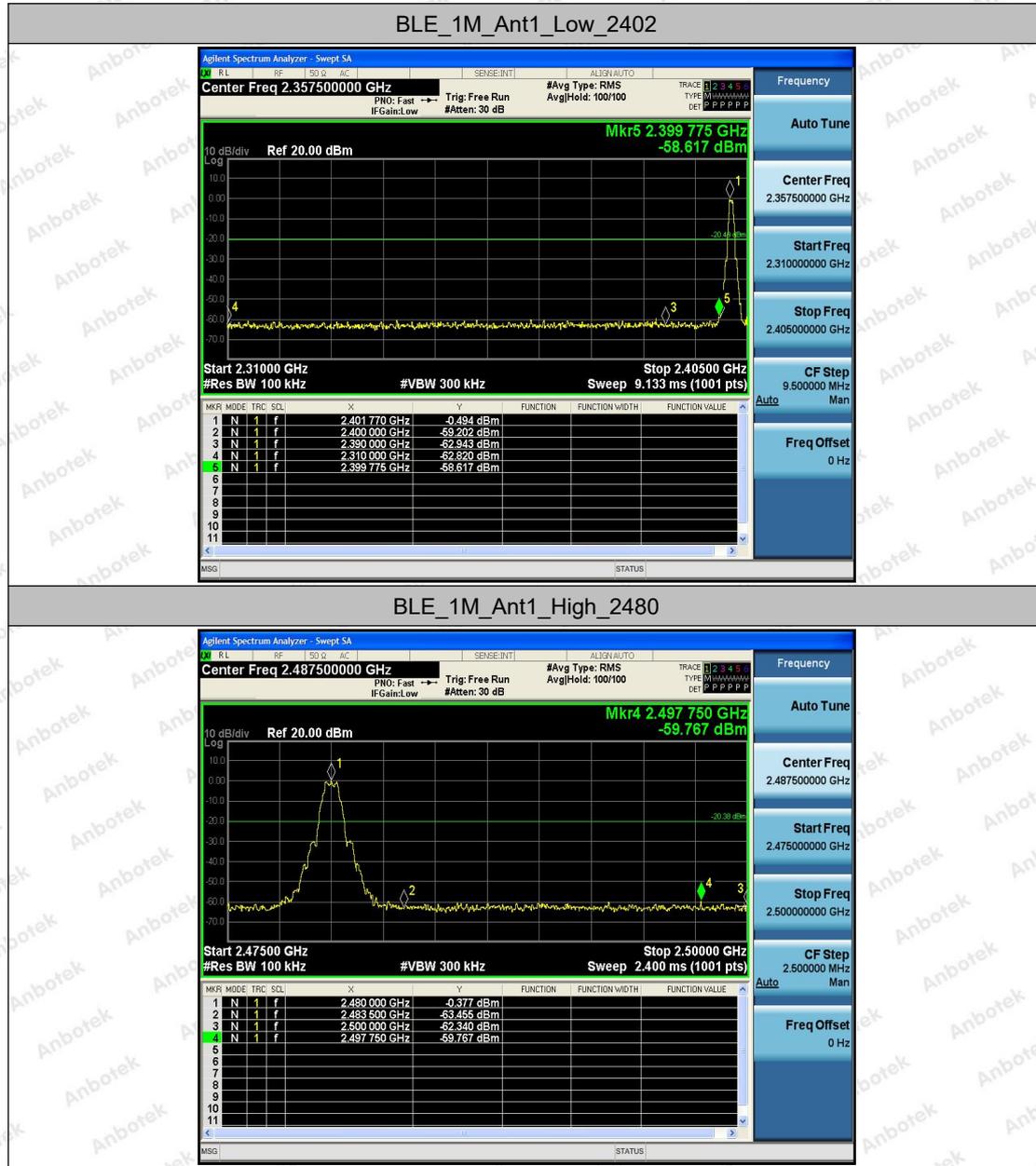
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch Name	Channel	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.49	-58.62	≤-20.49	PASS
		High	2480	-0.38	-59.77	≤-20.38	PASS

Test Graphs



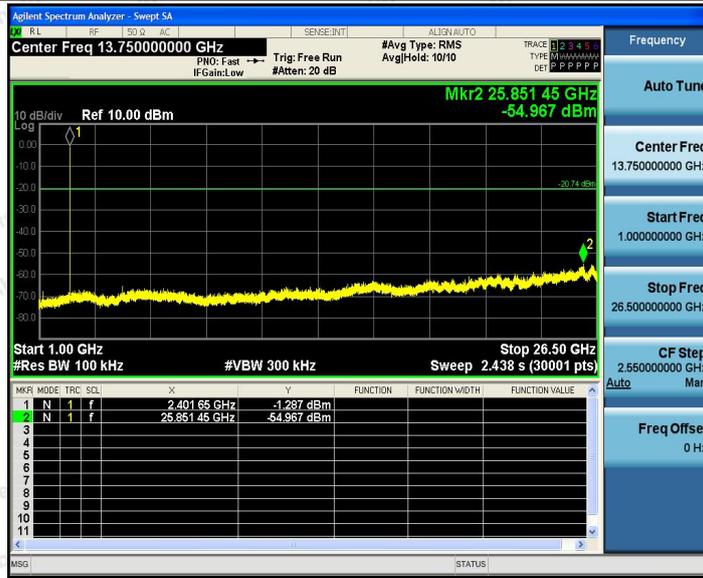
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Channel	Freq Range[MHz]	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-0.74	-0.74	---	PASS
			30~1000	-0.74	-70.35	≤-20.74	PASS
			1000~26500	-0.74	-54.97	≤-20.74	PASS
		2440	Reference	-0.67	-0.67	---	PASS
			30~1000	-0.67	-70.62	≤-20.67	PASS
			1000~26500	-0.67	-54.57	≤-20.67	PASS
		2480	Reference	-0.63	-0.63	---	PASS
			30~1000	-0.63	-70.21	≤-20.63	PASS
			1000~26500	-0.63	-55.36	≤-20.63	PASS

Test Graphs

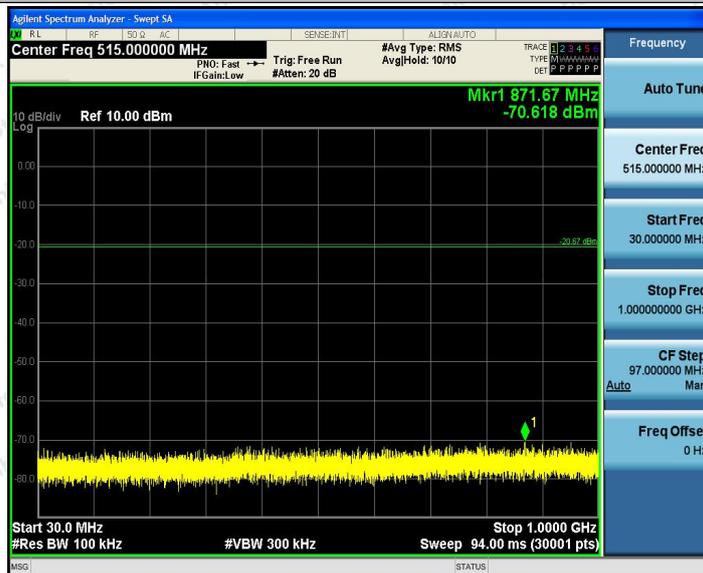




BLE_1M_Ant1_2440_0~Reference



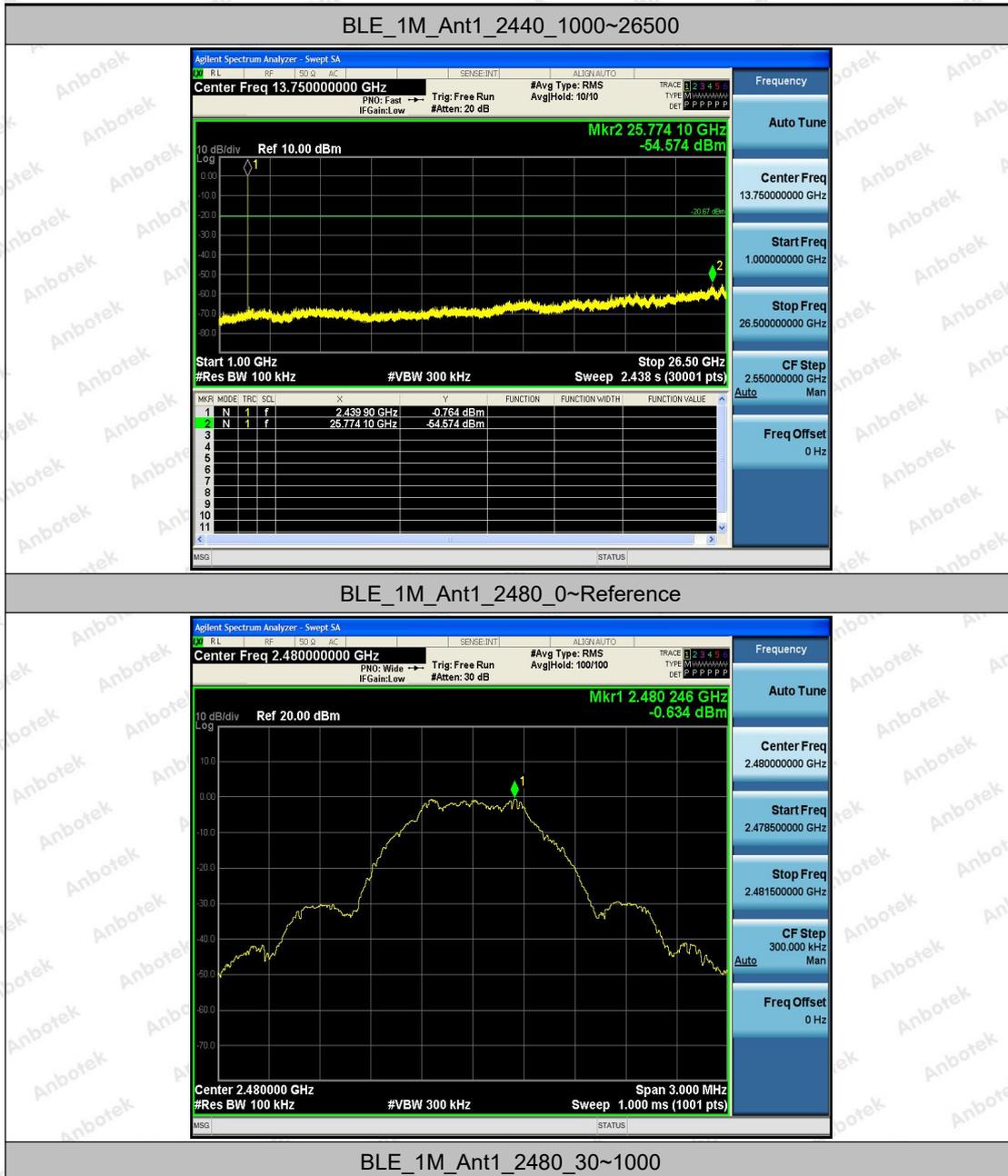
BLE_1M_Ant1_2440_30~1000



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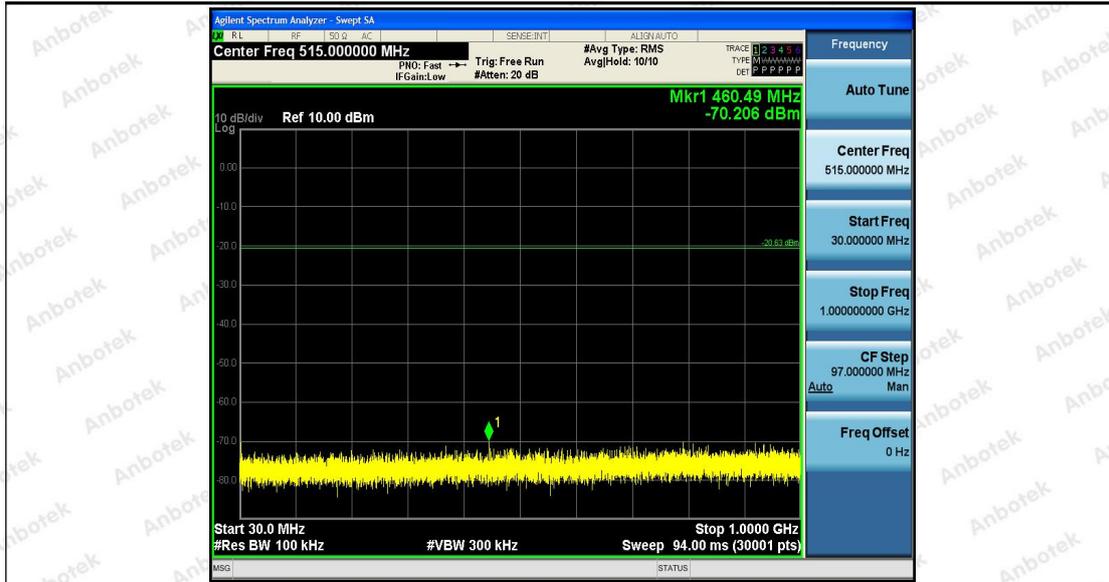
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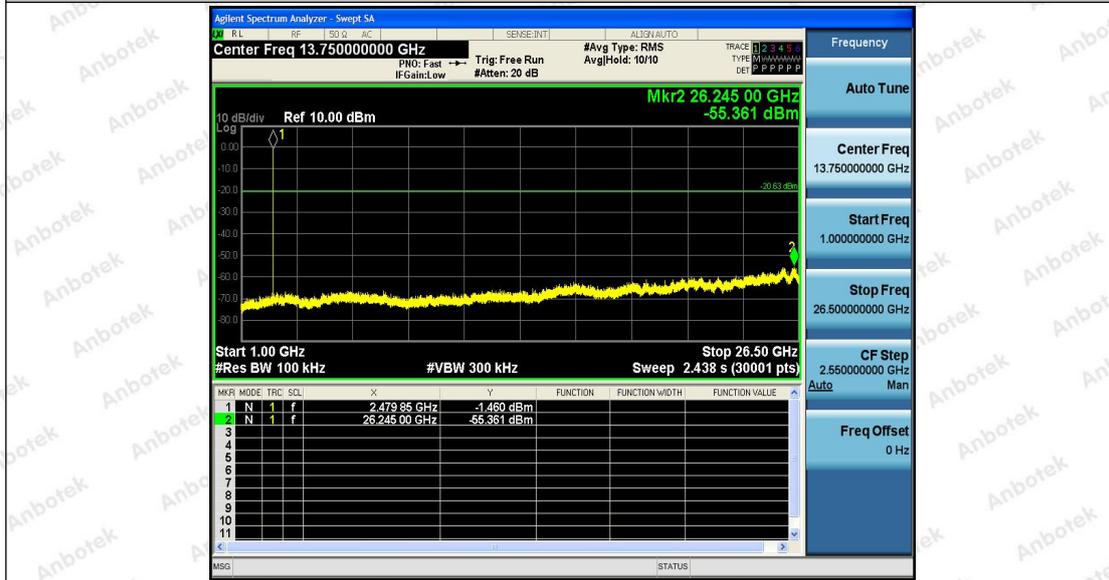
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BLE_1M_Ant1_2480_1000~26500



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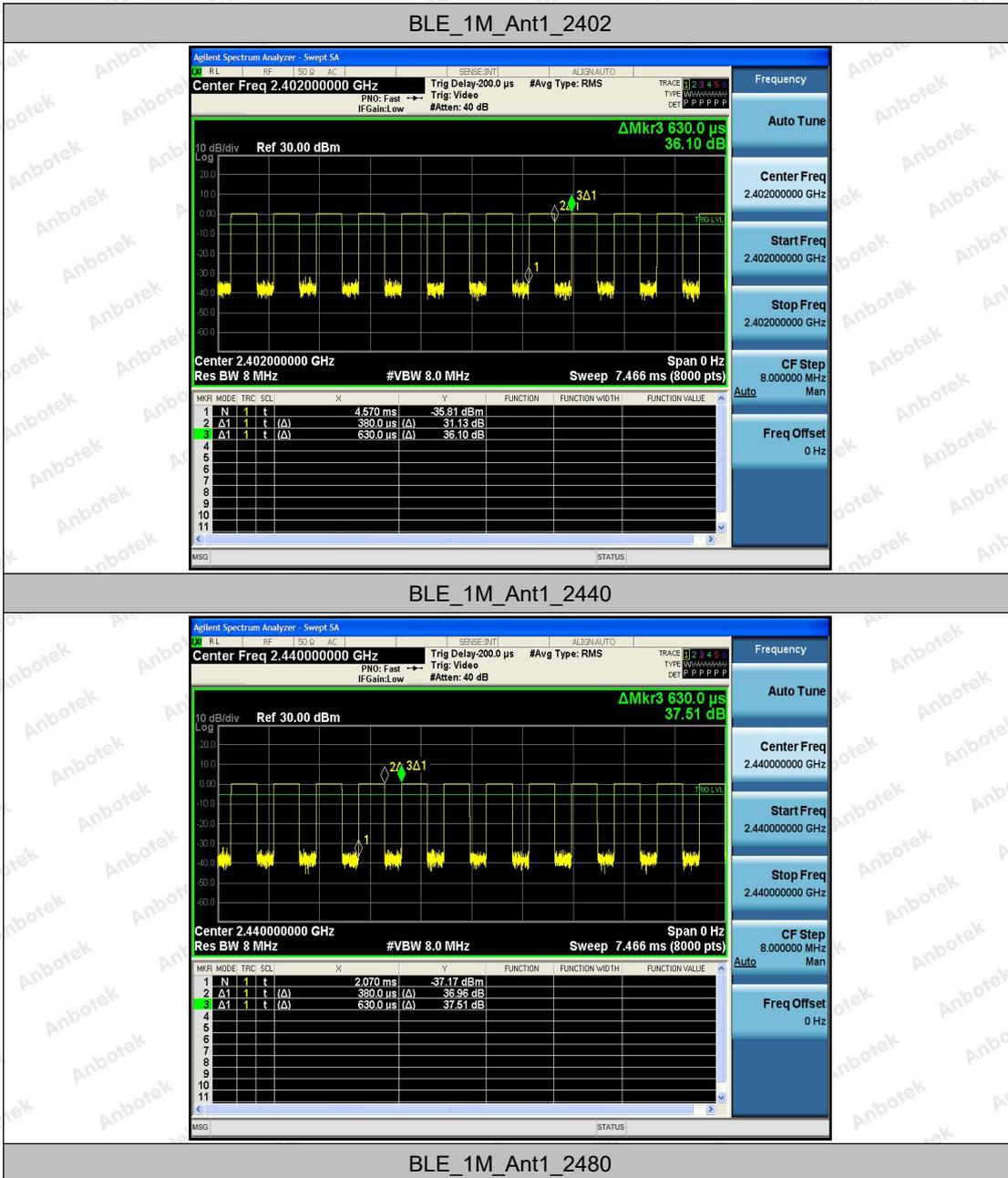
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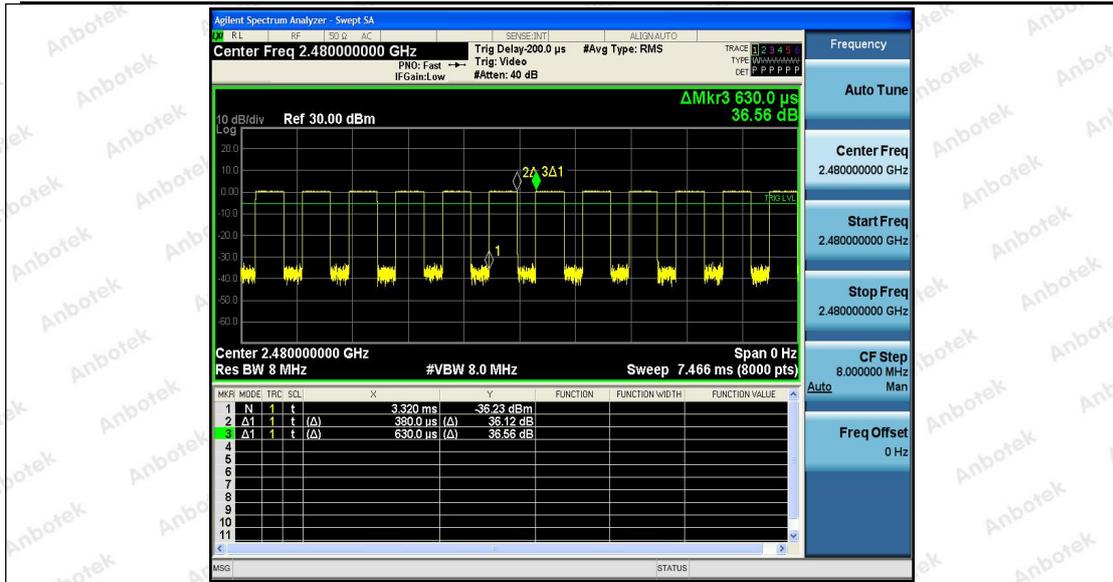
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	x Factor	Limit	Verdict
BLE_1M	Ant1	2402	0.38	0.63	0.6032	60.32	2.20	---	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---

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