

Appendix Test Data

Report No.:	18220WC20090802	Test Sample No.:	1-2-2
Start Test Date:	2022.4.25	Finish Test Date:	2022.5.6
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.3°C	Relative Humidity:	57.1 %
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	2401.628	2402.316	≥0.5	PASS
		2440	0.644	2439.652	2440.296	≥0.5	PASS
		2480	0.672	2479.644	2480.316	≥0.5	PASS

Test Graphs





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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	2401.477	2402.514	---	PASS
		2440	1.0291	2439.479	2440.508	---	PASS
		2480	1.0385	2479.477	2480.515	---	PASS

Test Graphs





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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	2.15	≤30	PASS
		2440	1.11	≤30	PASS
		2480	1.61	≤30	PASS

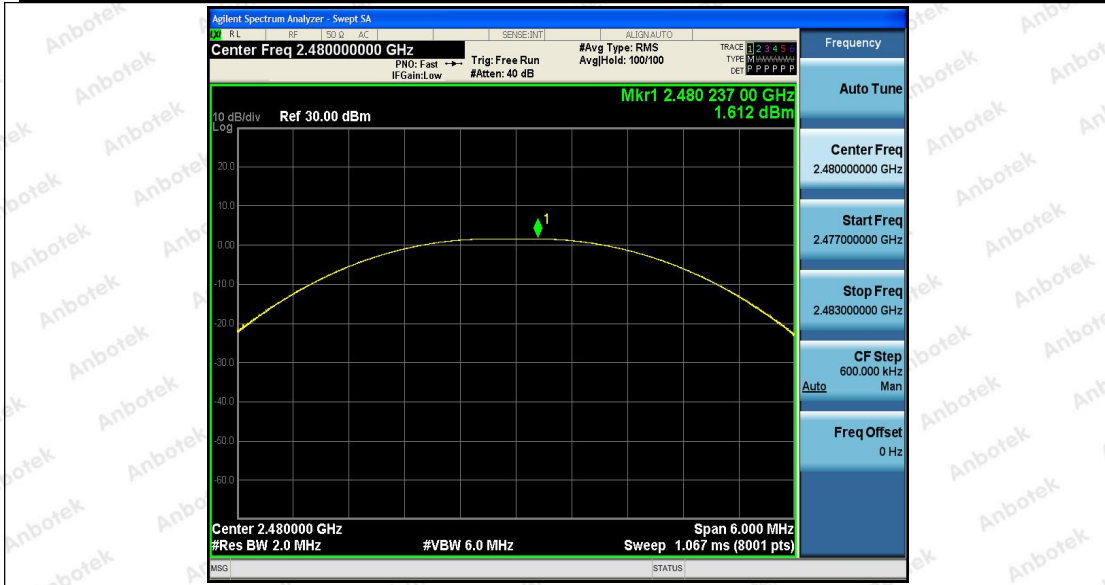
Test Graphs



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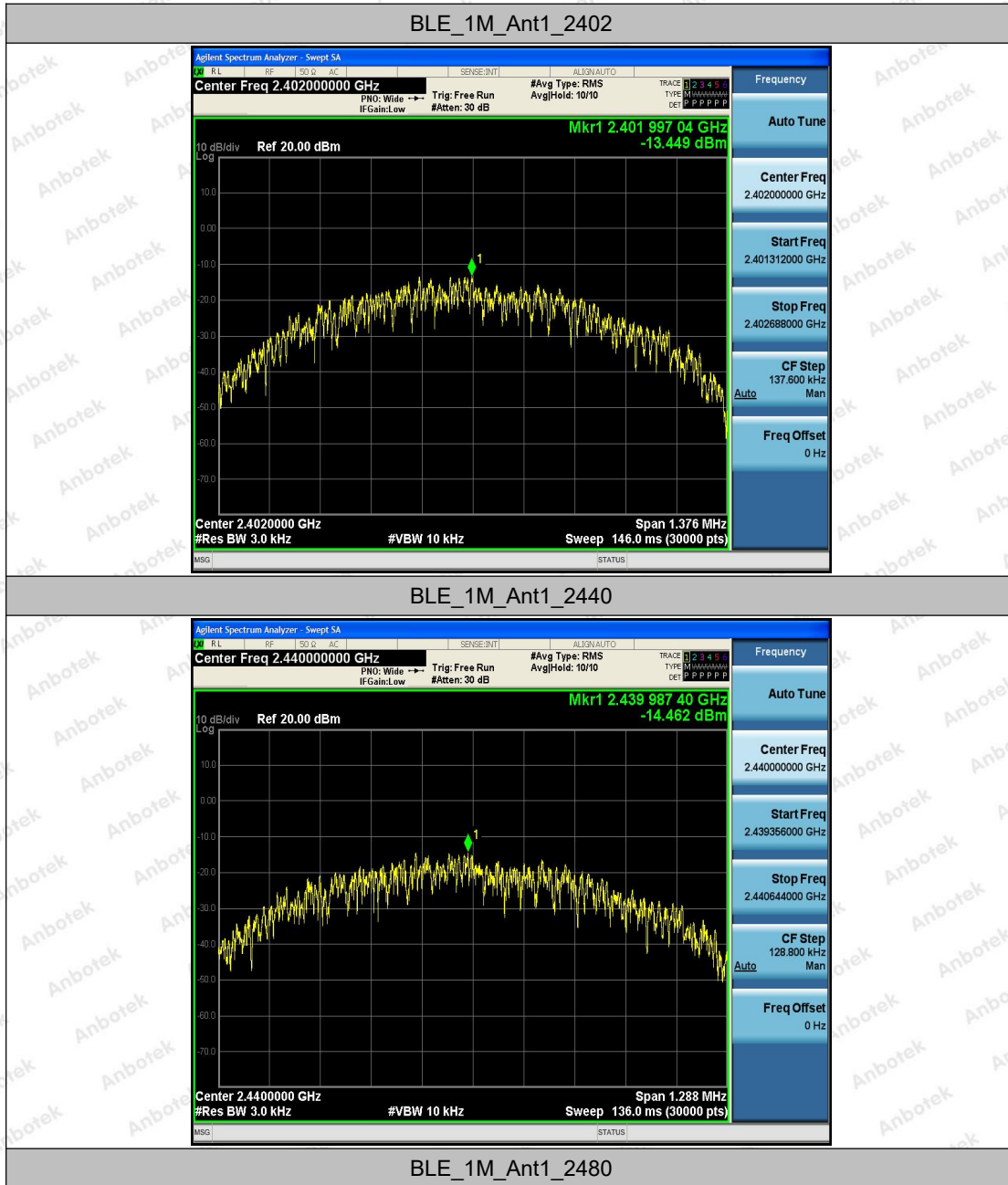
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Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.45	≤ 8	PASS
		2440	-14.46	≤ 8	PASS
		2480	-13.89	≤ 8	PASS

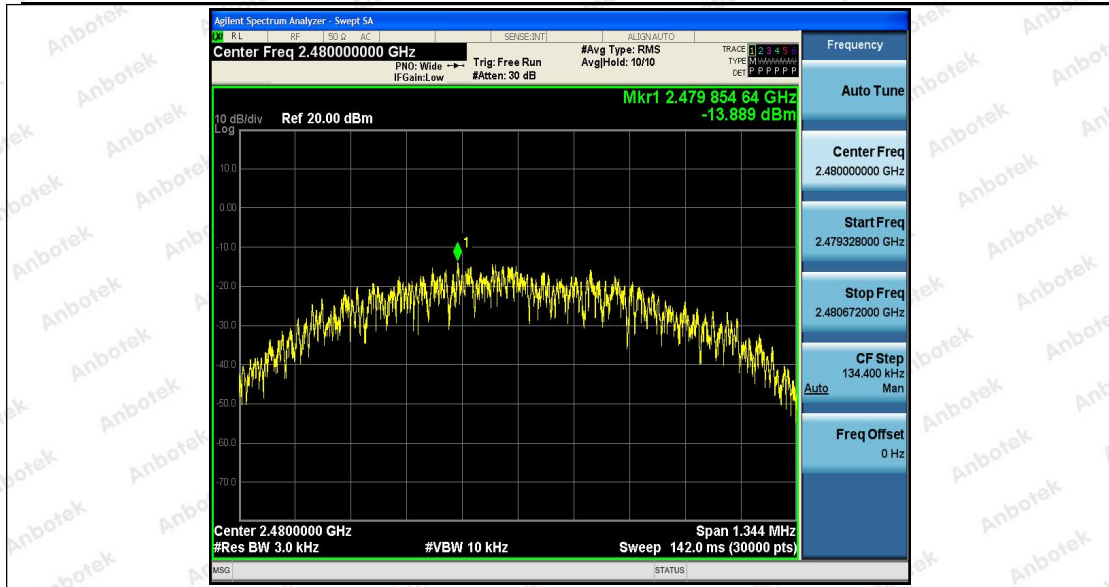
Test Graphs



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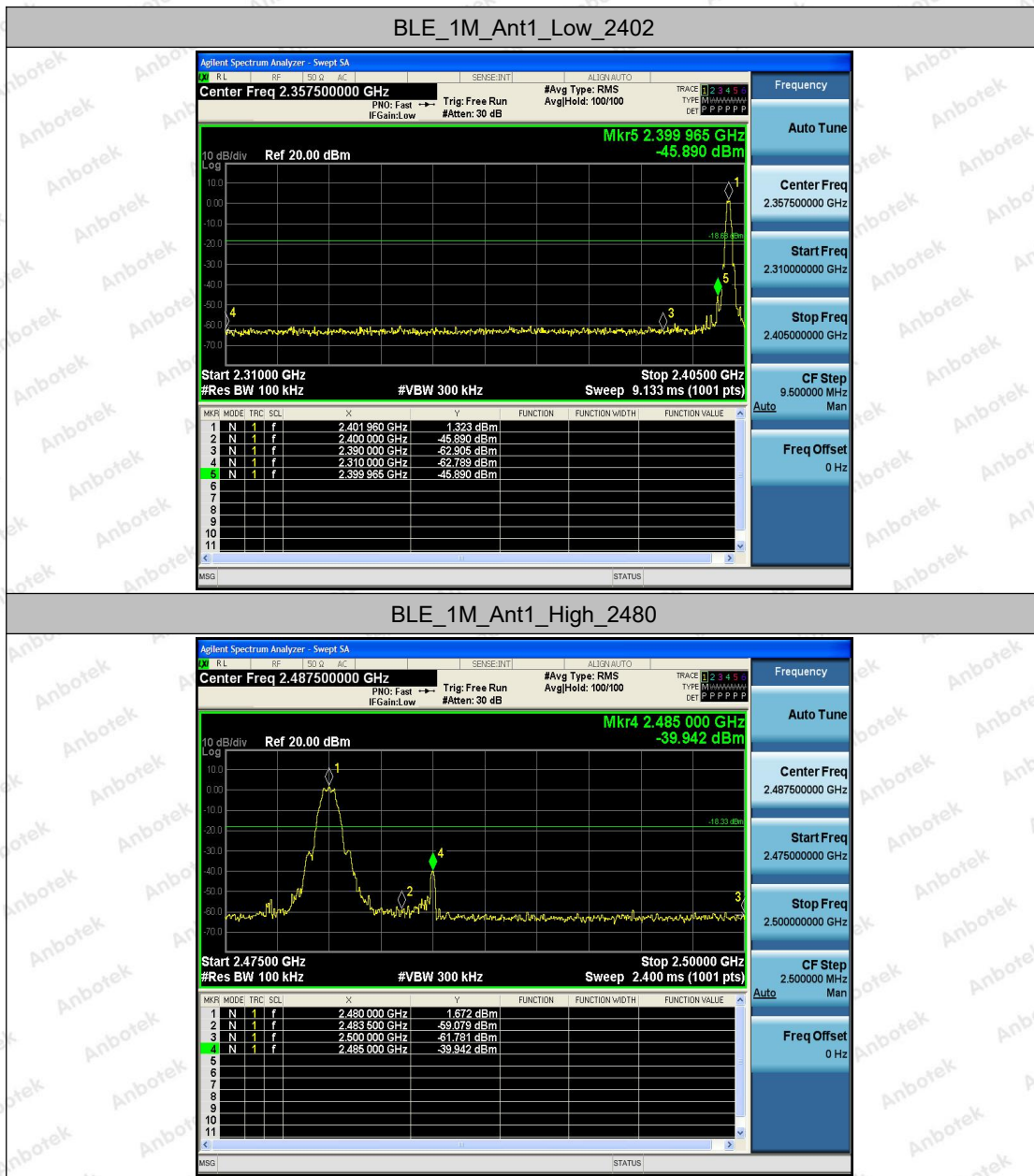
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch Name	Channel	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.32	-45.89	≤-18.68	PASS
		High	2480	1.67	-39.94	≤-18.33	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	1.38	1.38	---	PASS
			30~1000	1.38	-70.2	≤-18.62	PASS
			1000~26500	1.38	-54.5	≤-18.62	PASS
		2440	Reference	0.97	0.97	---	PASS
			30~1000	0.97	-70.4	≤-19.03	PASS
			1000~26500	0.97	-55.2	≤-19.03	PASS
		2480	Reference	1.24	1.24	---	PASS
			30~1000	1.24	-70.41	≤-18.76	PASS
			1000~26500	1.24	-55.71	≤-18.76	PASS

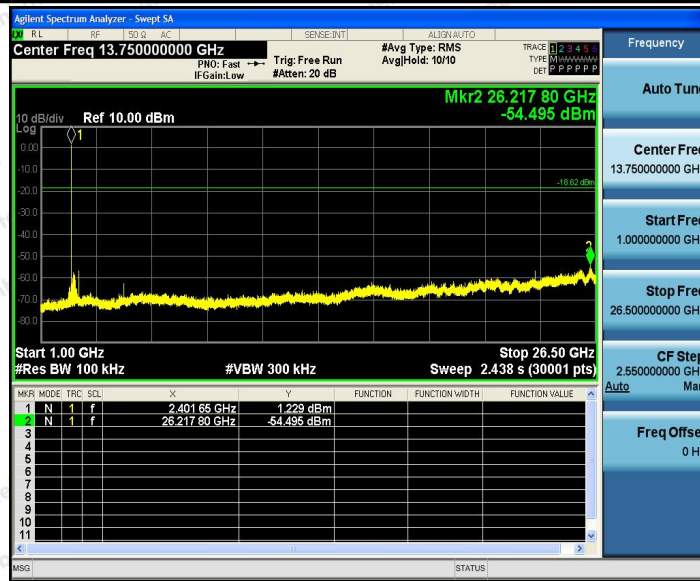
Test Graphs



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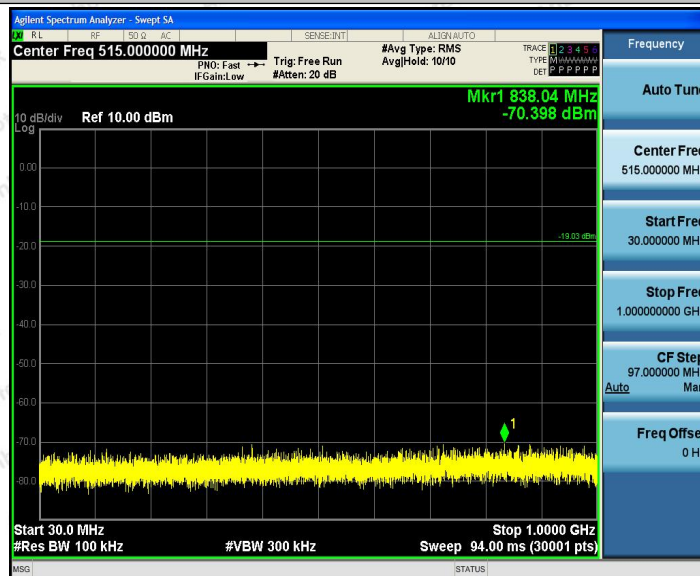
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000

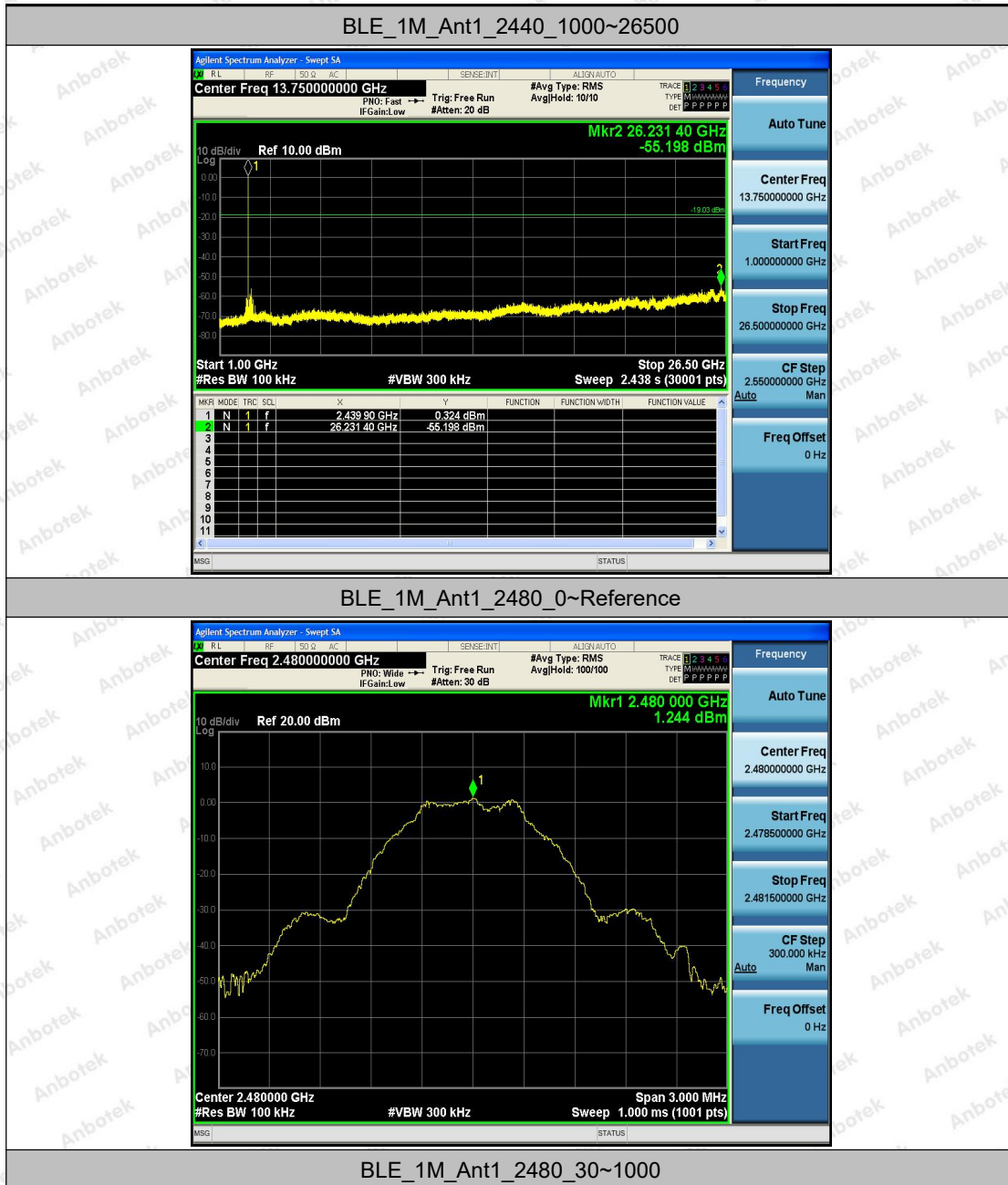


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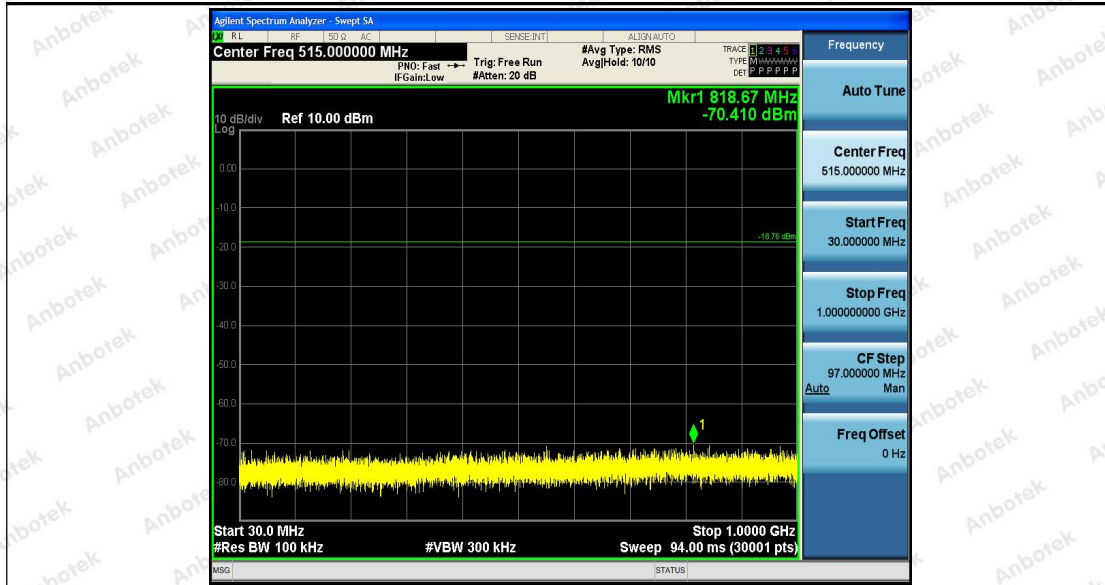
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BLE_1M_Ant1_2480_1000~26500



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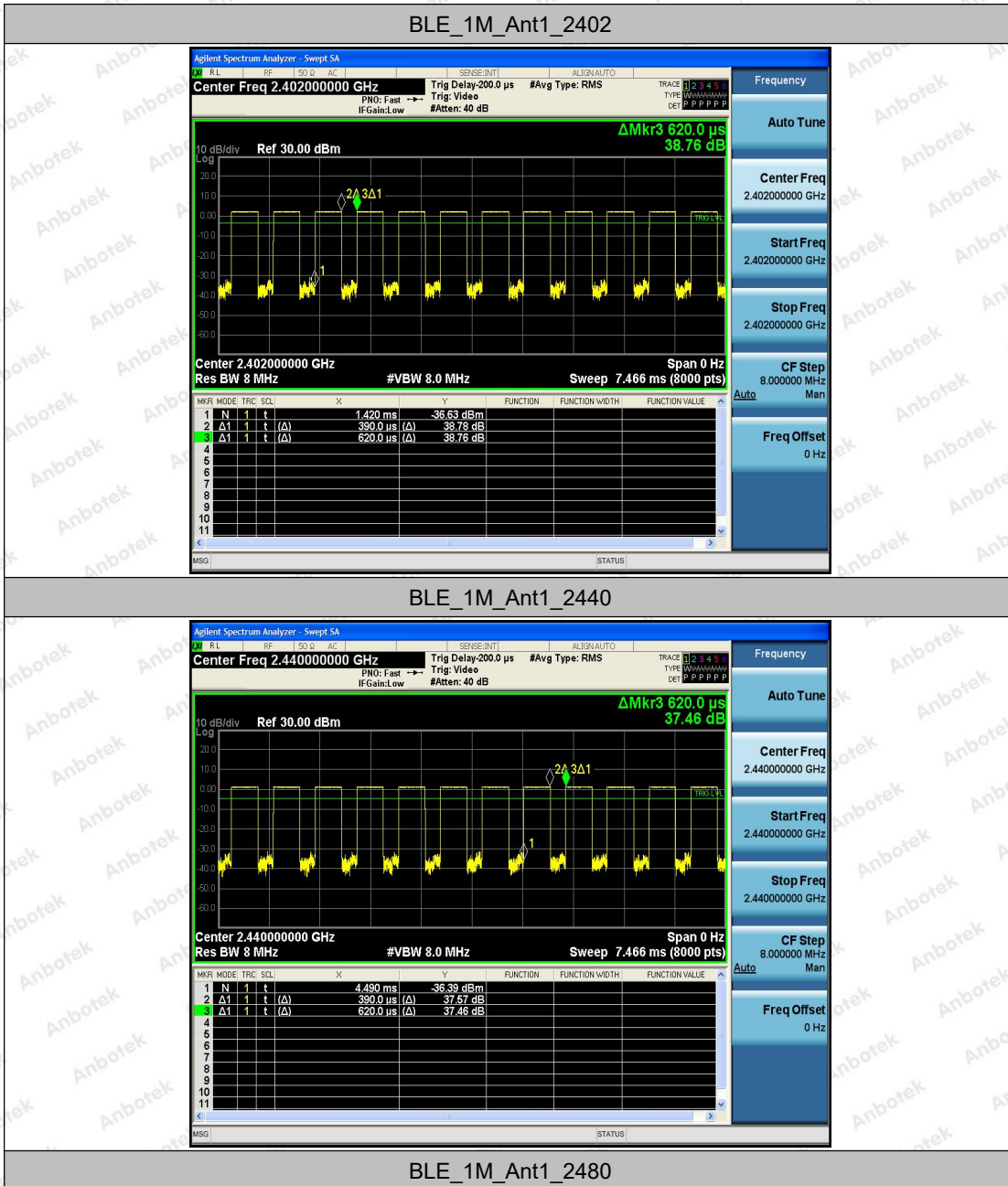
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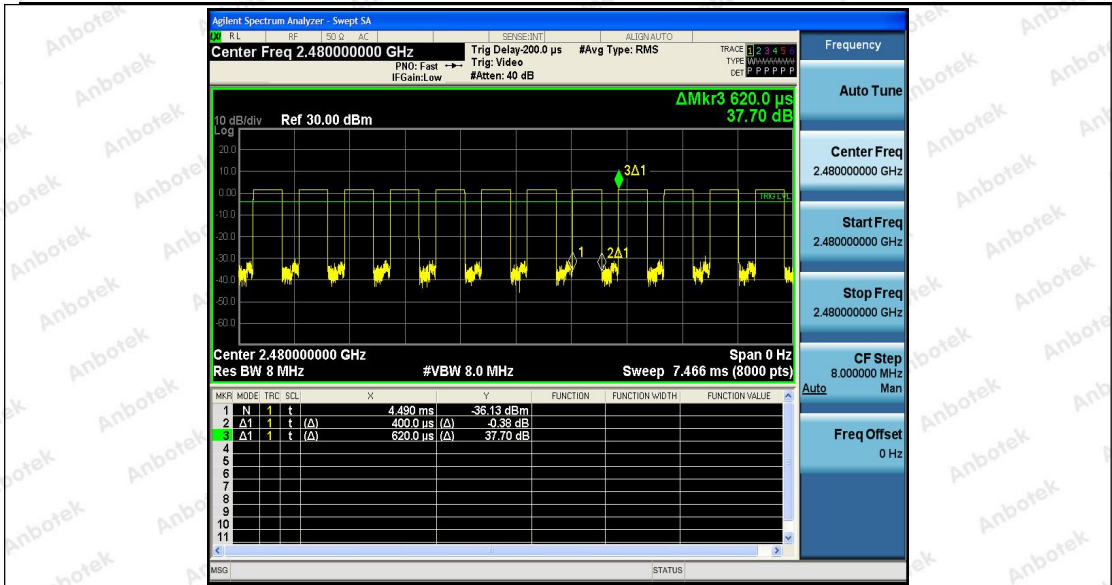
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	0.39	0.62	0.6290	62.90	2.01	---	PASS
		2440	0.39	0.62	0.6290	62.90	2.01	---	PASS
		2480	0.40	0.62	0.6452	64.52	1.90	---	PASS

Test Graphs





---End---