

Appendix Test Data

Report No.:	18220WC20038902	Test Sample No.:	1-2-2
Start Test Date:	2022.2.28	Finish Test Date:	2022.3.3
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.3°C	Relative Humidity:	55.6 %
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	2401.648	2402.336	≥0.5	PASS
		2440	0.708	2439.632	2440.340	≥0.5	PASS
		2480	0.708	2479.632	2480.340	≥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	1.0341	2401.485	2402.519	---	PASS
		2440	1.0241	2439.492	2440.516	---	PASS
		2480	1.0249	2479.489	2480.514	---	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	-3.21	≤30	PASS
		2440	-2.42	≤30	PASS
		2480	-2.04	≤30	PASS

Test Graphs



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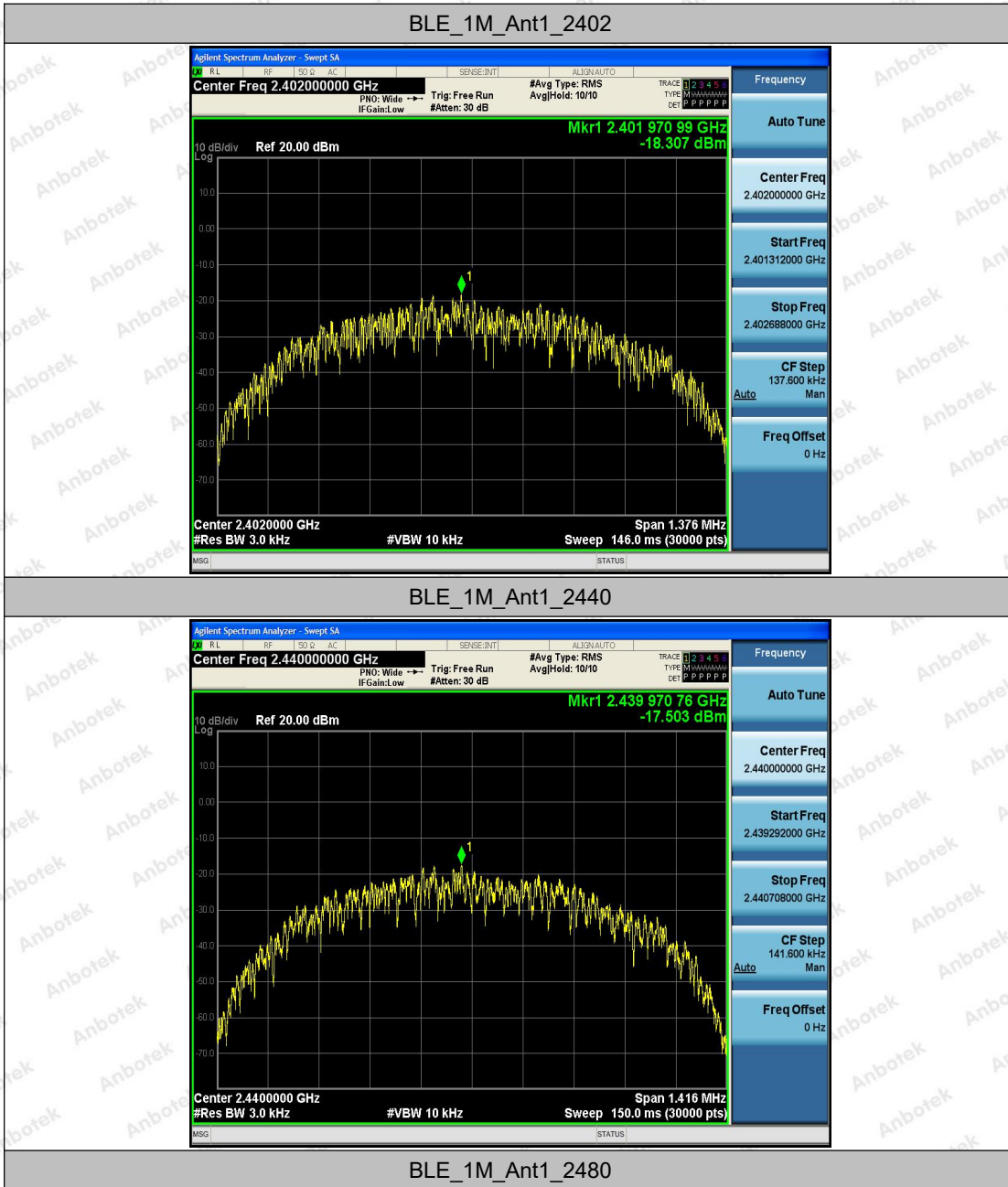
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Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-18.31	≤8	PASS
		2440	-17.5	≤8	PASS
		2480	-17.09	≤8	PASS

Test Graphs

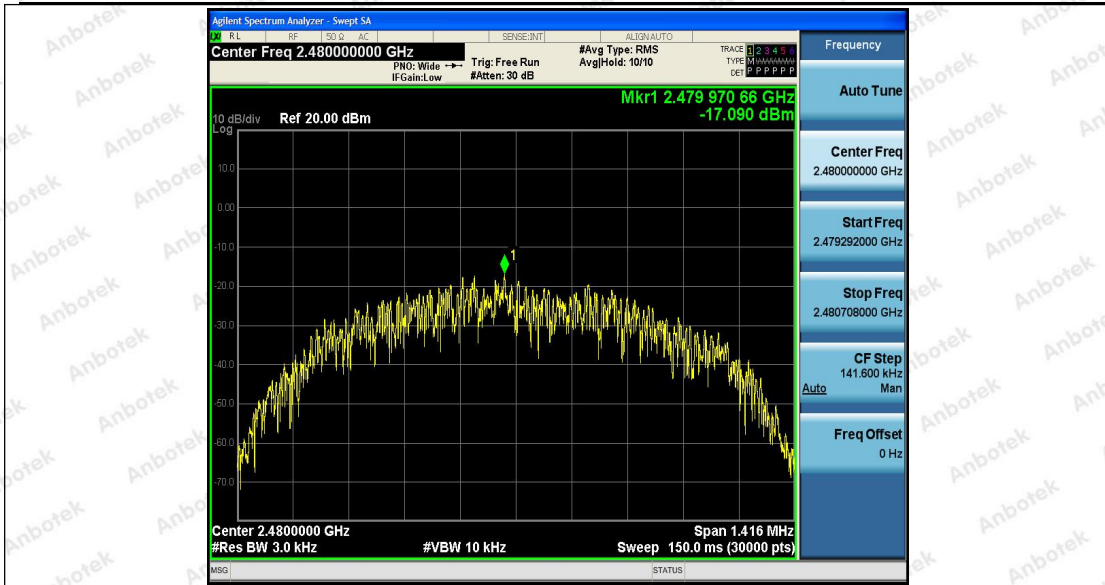


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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch Name	Channel	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-4.02	-49.59	≤-24.02	PASS
		High	2480	-2.99	-52.2	≤-22.99	PASS

Test Graphs



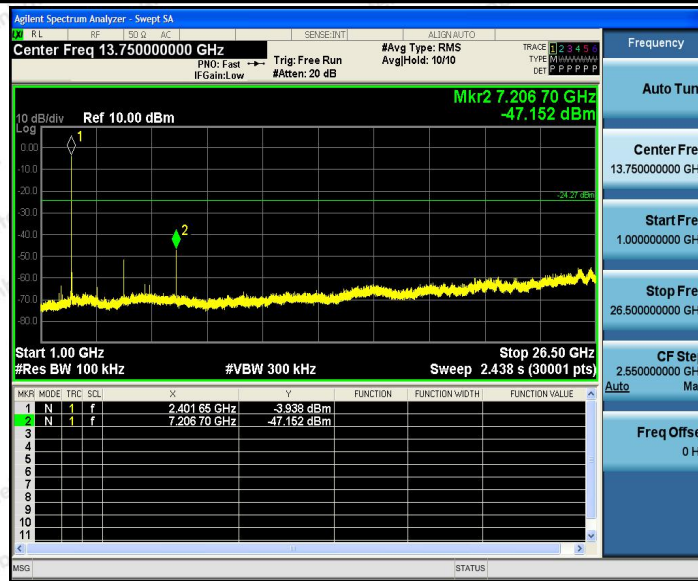
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Channel	Freq Range [MHz]	Ref Level [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-4.27	-4.27	---	PASS
			30~1000	-4.27	-70.07	≤-24.27	PASS
			1000~26500	-4.27	-47.15	≤-24.27	PASS
		2440	Reference	-3.26	-3.26	---	PASS
			30~1000	-3.26	-70.72	≤-23.26	PASS
			1000~26500	-3.26	-47.01	≤-23.26	PASS
		2480	Reference	-3.11	-3.11	---	PASS
			30~1000	-3.11	-69.45	≤-23.11	PASS
			1000~26500	-3.11	-52.23	≤-23.11	PASS

Test Graphs

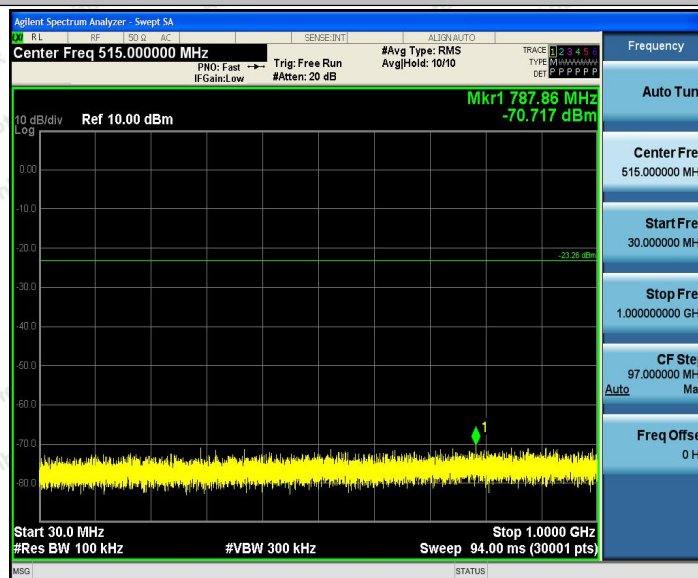




BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000

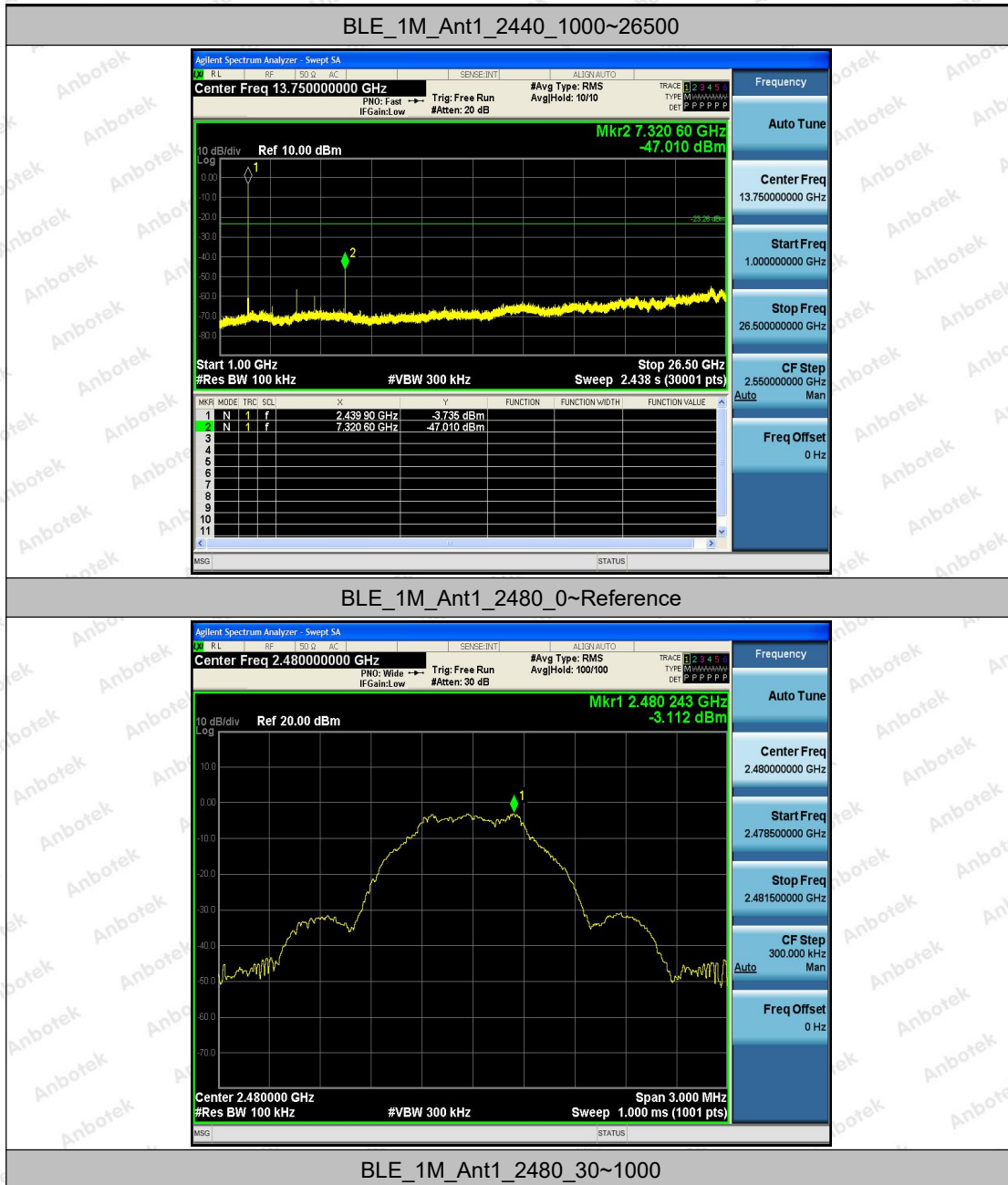


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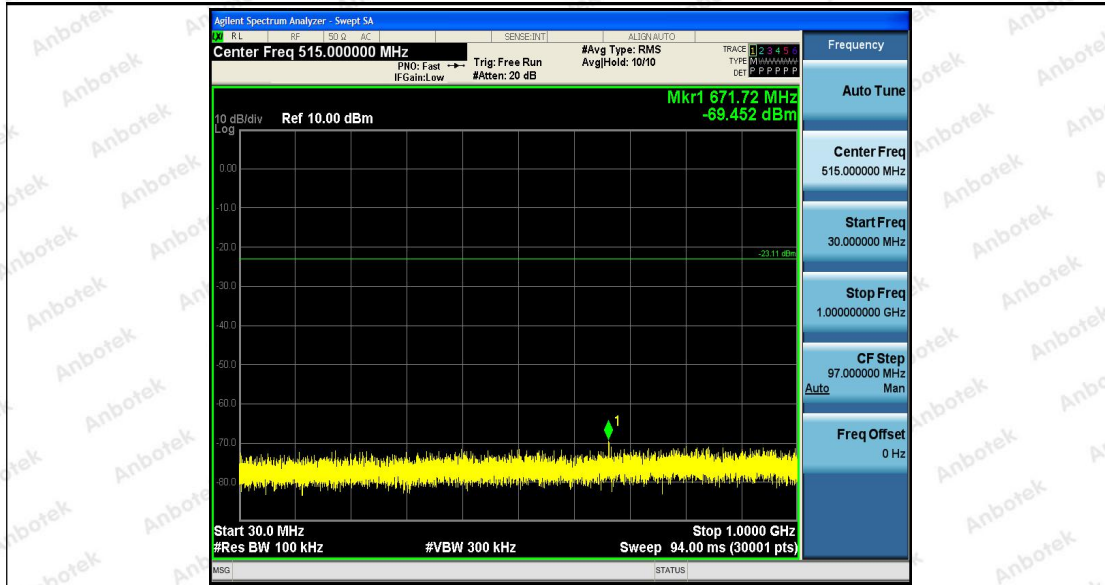
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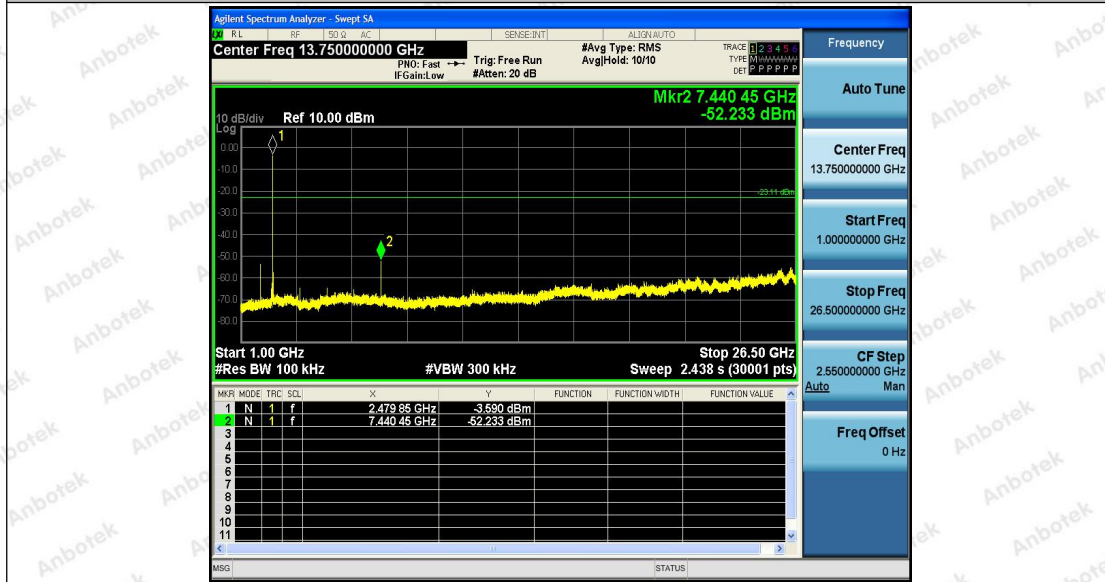
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BLE_1M_Ant1_2480_1000~26500



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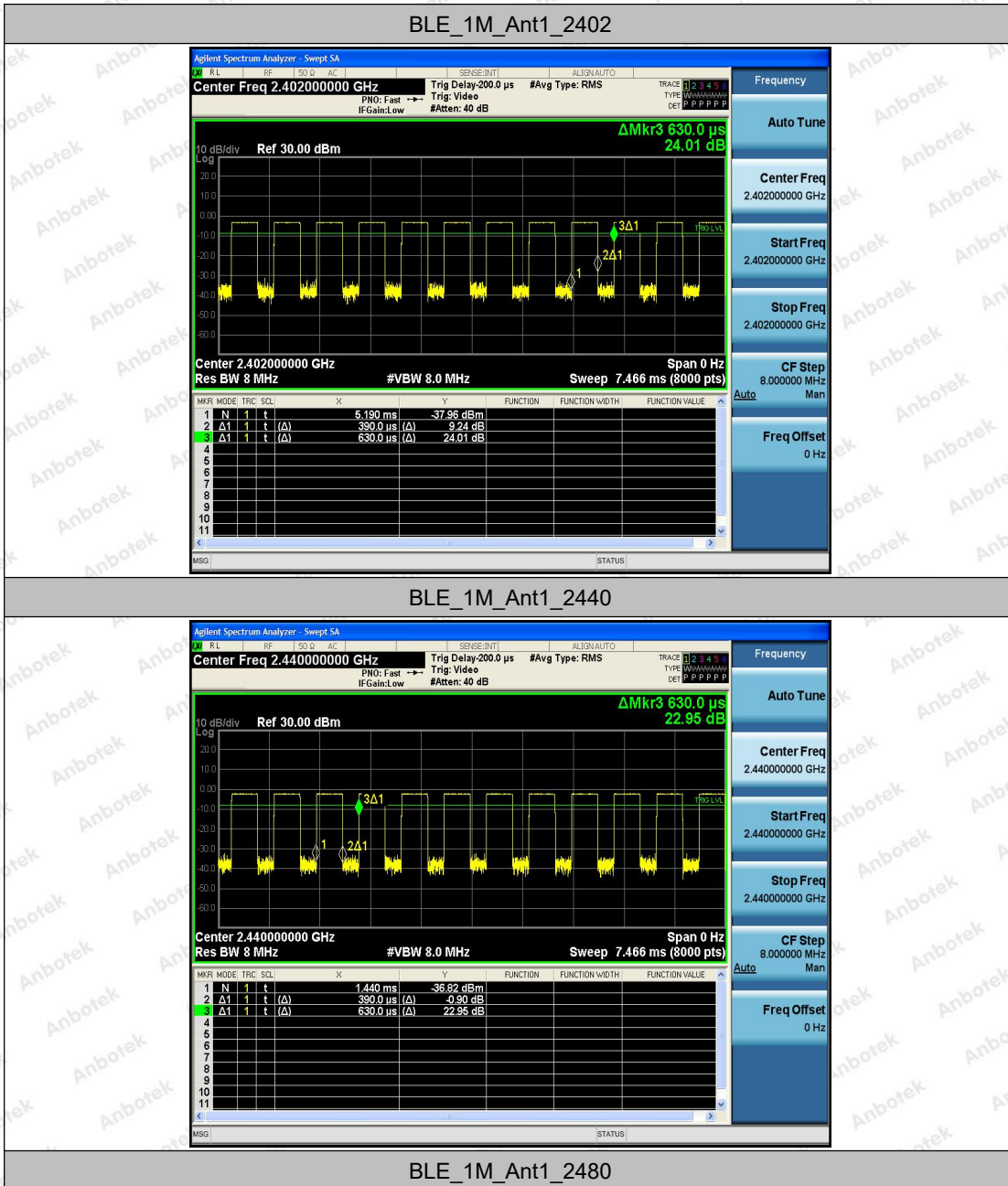
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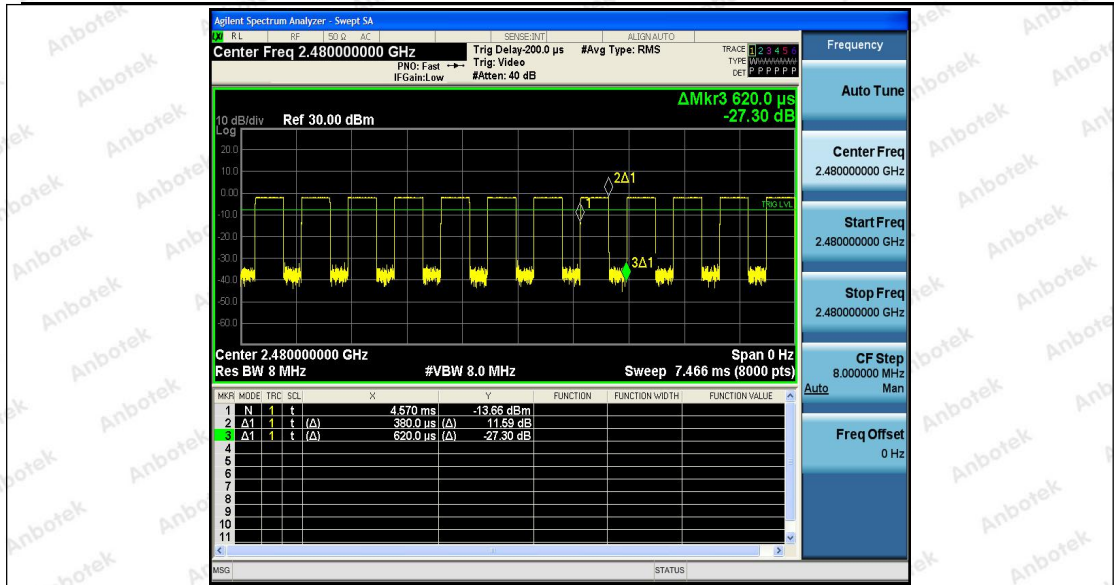
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	X Factor	Limit	Verdict
BLE_1M	Ant1	2402	0.39	0.63	0.6190	61.90	2.08	---	PASS
		2440	0.39	0.63	0.6190	61.90	2.08	---	PASS
		2480	0.38	0.62	0.6129	61.29	2.13	---	PASS

Test Graphs





---End---