

Appendix Test Data

Report No.:	18220WC20096801	Test Sample No.:	1-2-2
Start Test Date:	2022.5.6	Finish Test Date:	2022.5.23
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	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	0.684	2401.648	2402.332	≥0.5	PASS
		2440	0.700	2439.644	2440.344	≥0.5	PASS
		2480	0.672	2479.664	2480.336	≥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	1.0340	2401.495	2402.529	---	PASS
		2440	1.0292	2439.494	2440.523	---	PASS
		2480	1.0273	2479.499	2480.526	---	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	-0.2	≤30	PASS
		2440	-0.3	≤30	PASS
		2480	0.17	≤30	PASS

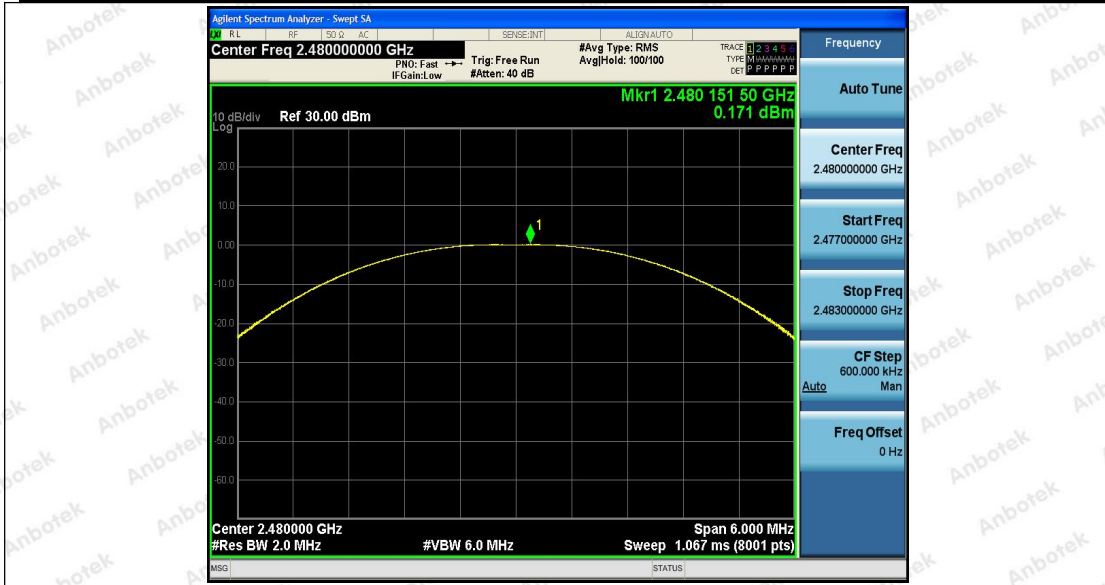
Test Graphs



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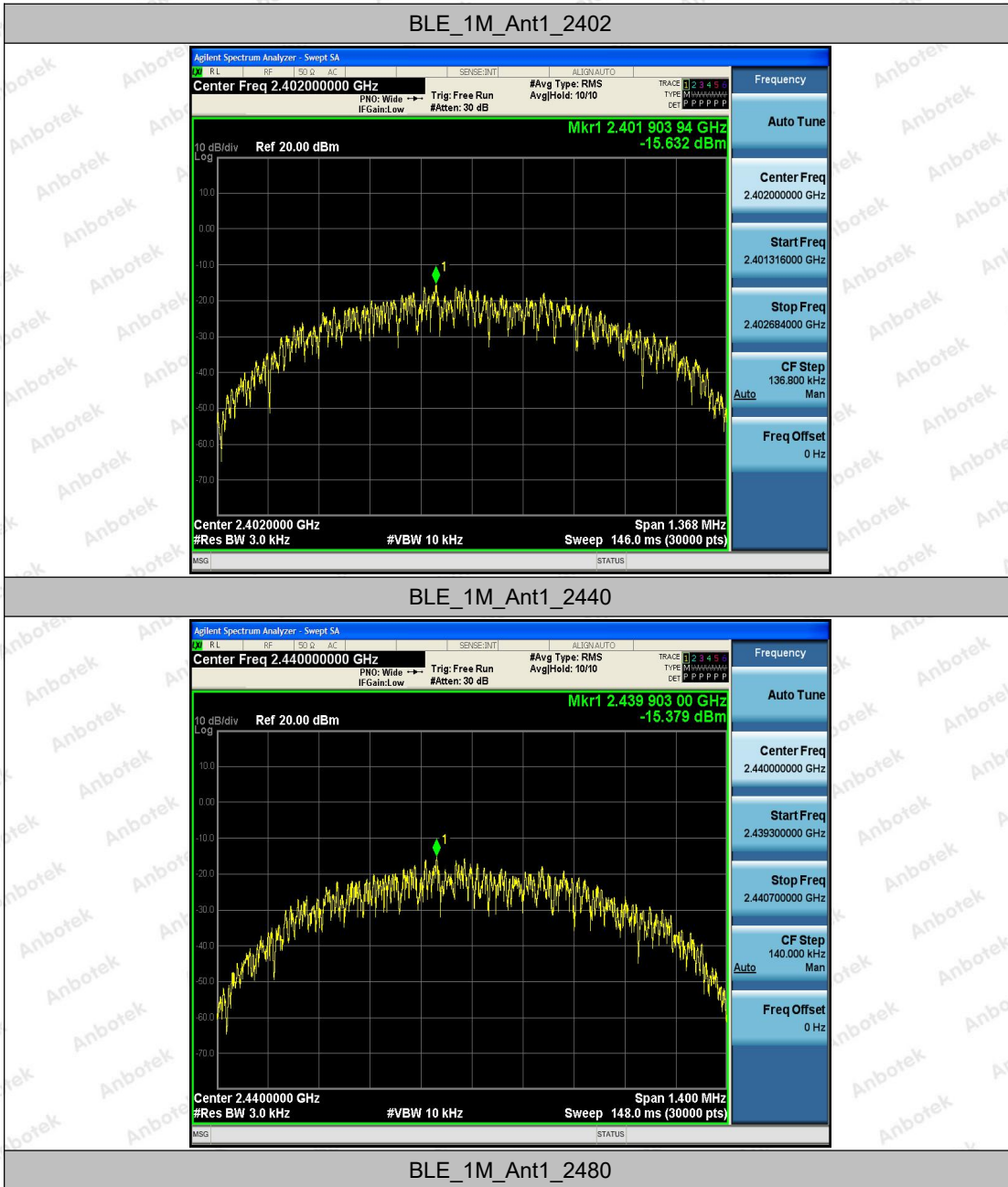
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Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.63	≤8	PASS
		2440	-15.38	≤8	PASS
		2480	-14.97	≤8	PASS

Test Graphs



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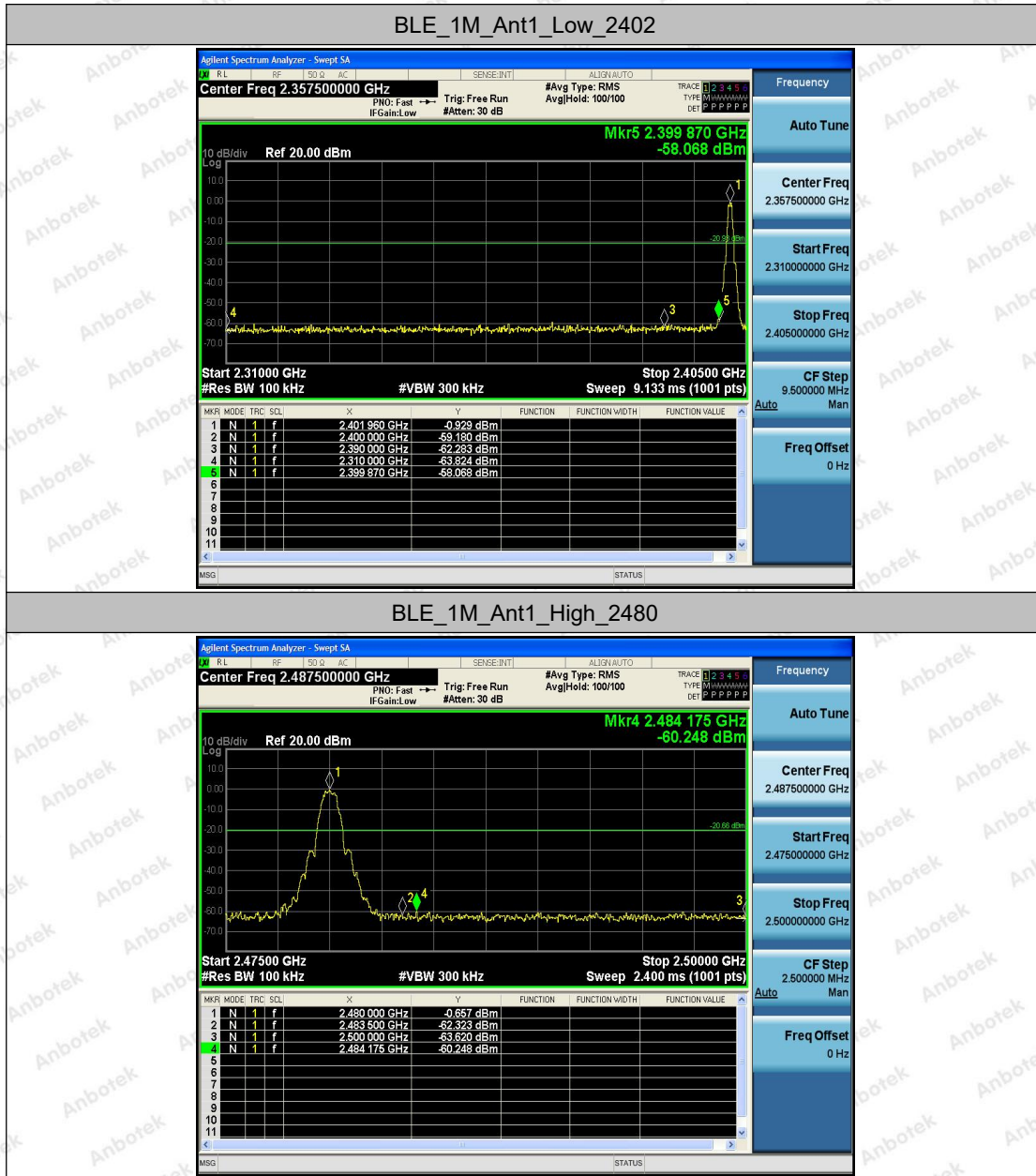
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch Name	Channel	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.93	-58.07	≤-20.93	PASS
		High	2480	-0.66	-60.25	≤-20.66	PASS

Test Graphs



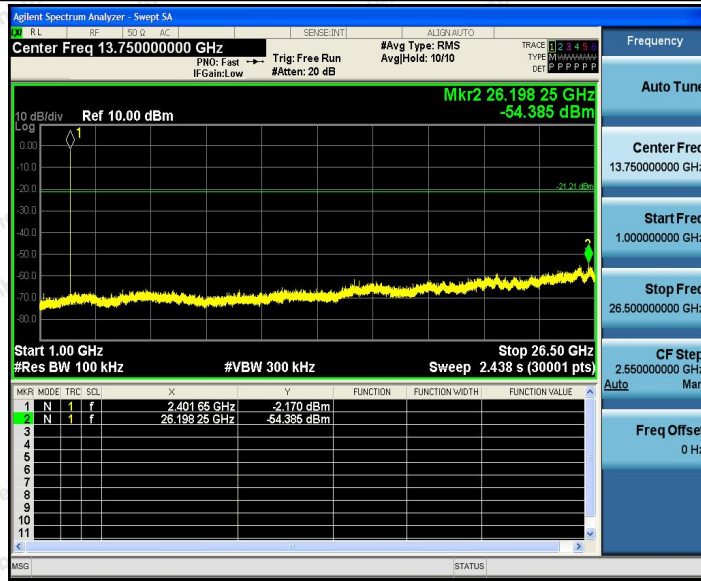
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Channel	Freq Range [MHz]	Ref Level [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-1.21	-1.21	---	PASS
			30~1000	-1.21	-70.15	≤-21.21	PASS
			1000~26500	-1.21	-54.39	≤-21.21	PASS
		2440	Reference	-1.22	-1.22	---	PASS
			30~1000	-1.22	-69.94	≤-21.22	PASS
			1000~26500	-1.22	-55.49	≤-21.22	PASS
		2480	Reference	-0.82	-0.82	---	PASS
			30~1000	-0.82	-70.82	≤-20.82	PASS
			1000~26500	-0.82	-55.45	≤-20.82	PASS

Test Graphs

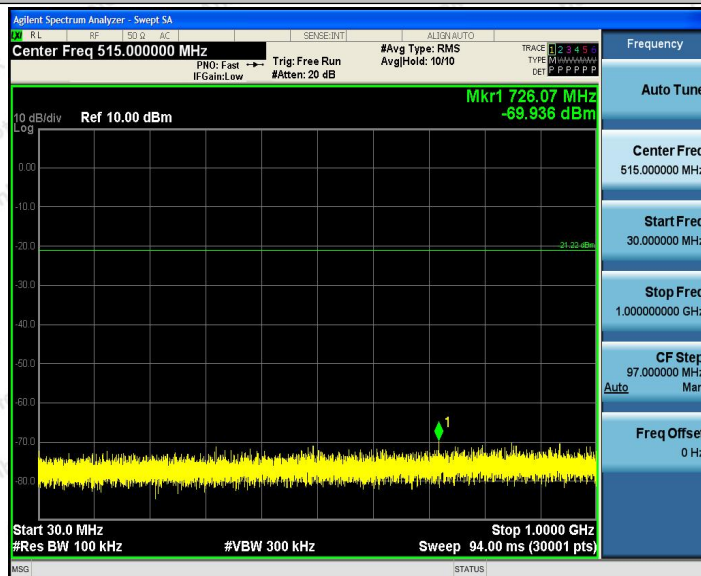




BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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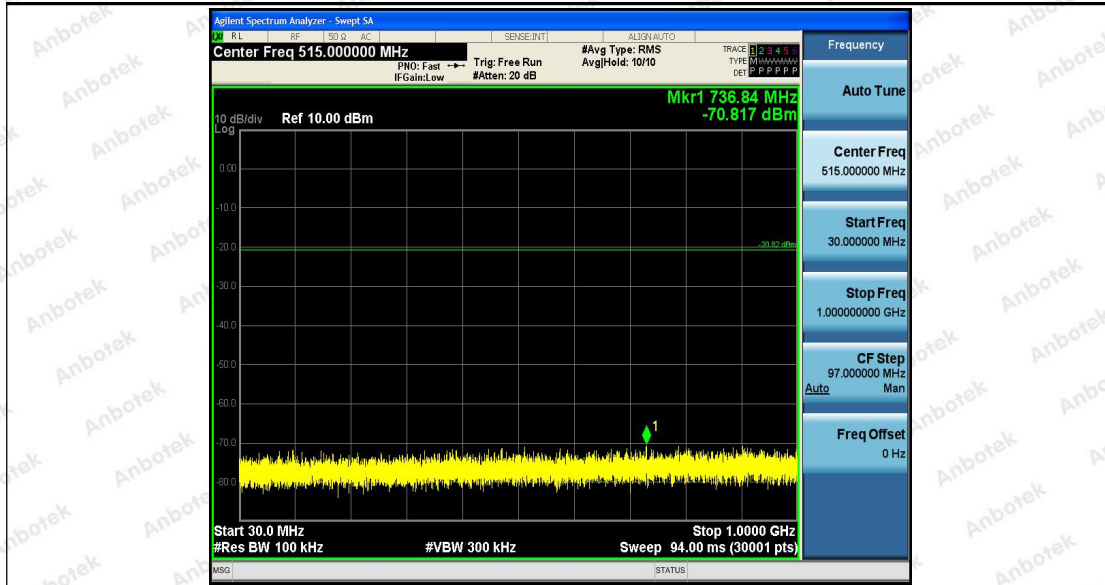
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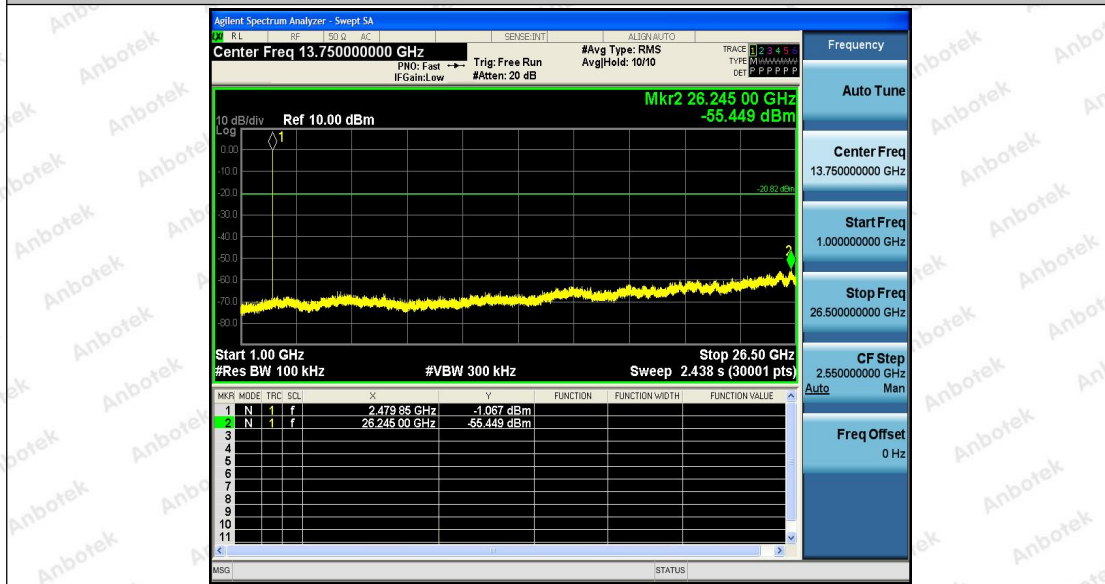
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BLE_1M_Ant1_2480_1000~26500



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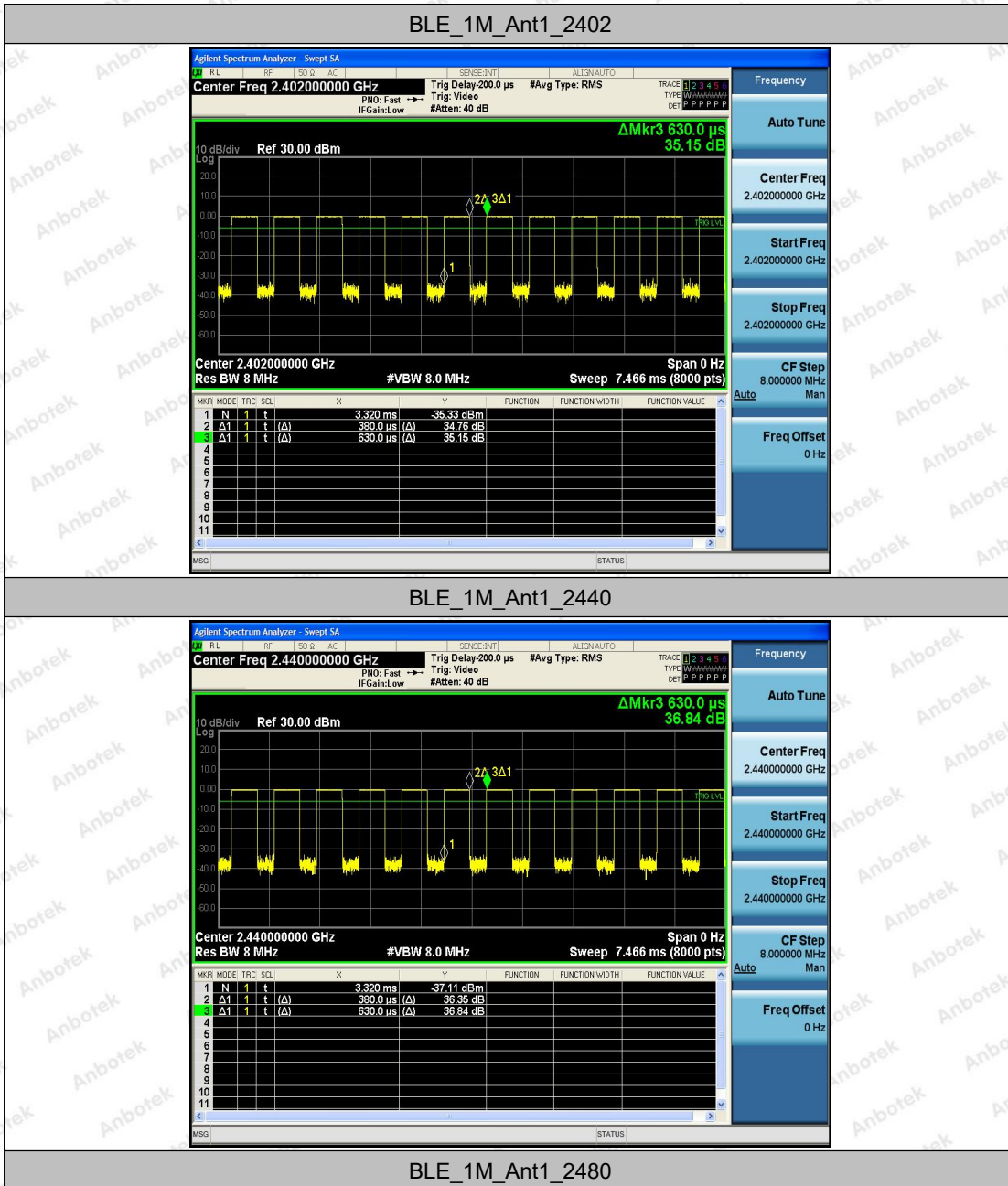
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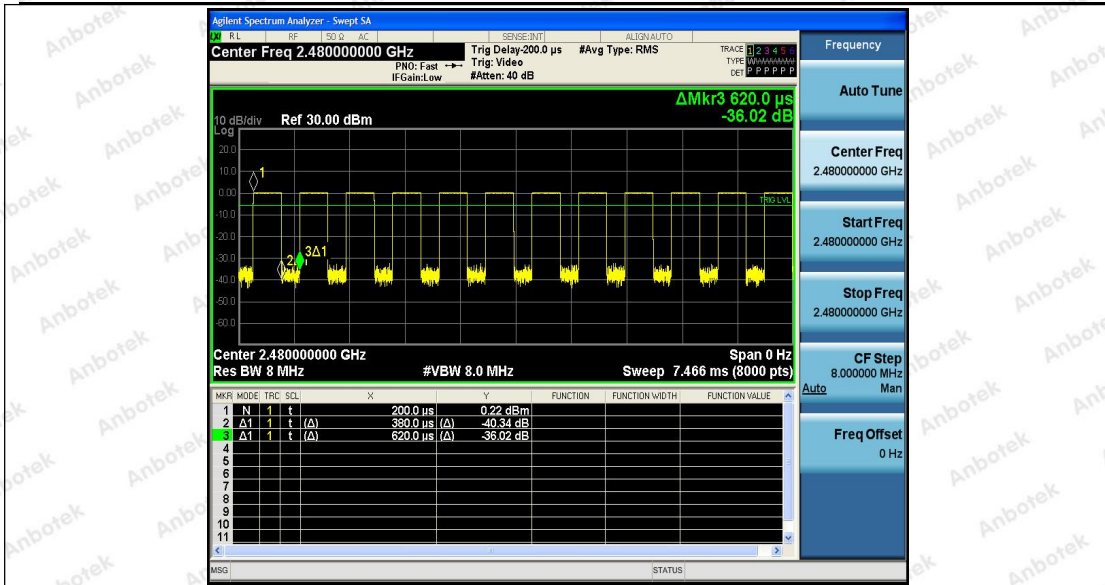
Appendix G: Duty Cycle

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	0.62	0.6129	61.29	2.13	---	PASS

Test Graphs





---End---