

Appendix Test Data

Report No.:	18220WC20097802	Test Sample No.:	1-2-2
Start Test Date:	2022.5.6	Finish Test Date:	2022.5.19
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.3℃	Relative Humidity:	57.1 %
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	0.608	2401.676	2402.284	≥0.5	PASS
		2440	0.616	2439.664	2440.280	≥0.5	PASS
		2480	0.608	2479.676	2480.284	≥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

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0694	2401.473	2402.543	---	PASS
		2440	1.0868	2439.448	2440.535	---	PASS
		2480	1.1109	2479.443	2480.554	---	PASS

Test Graphs



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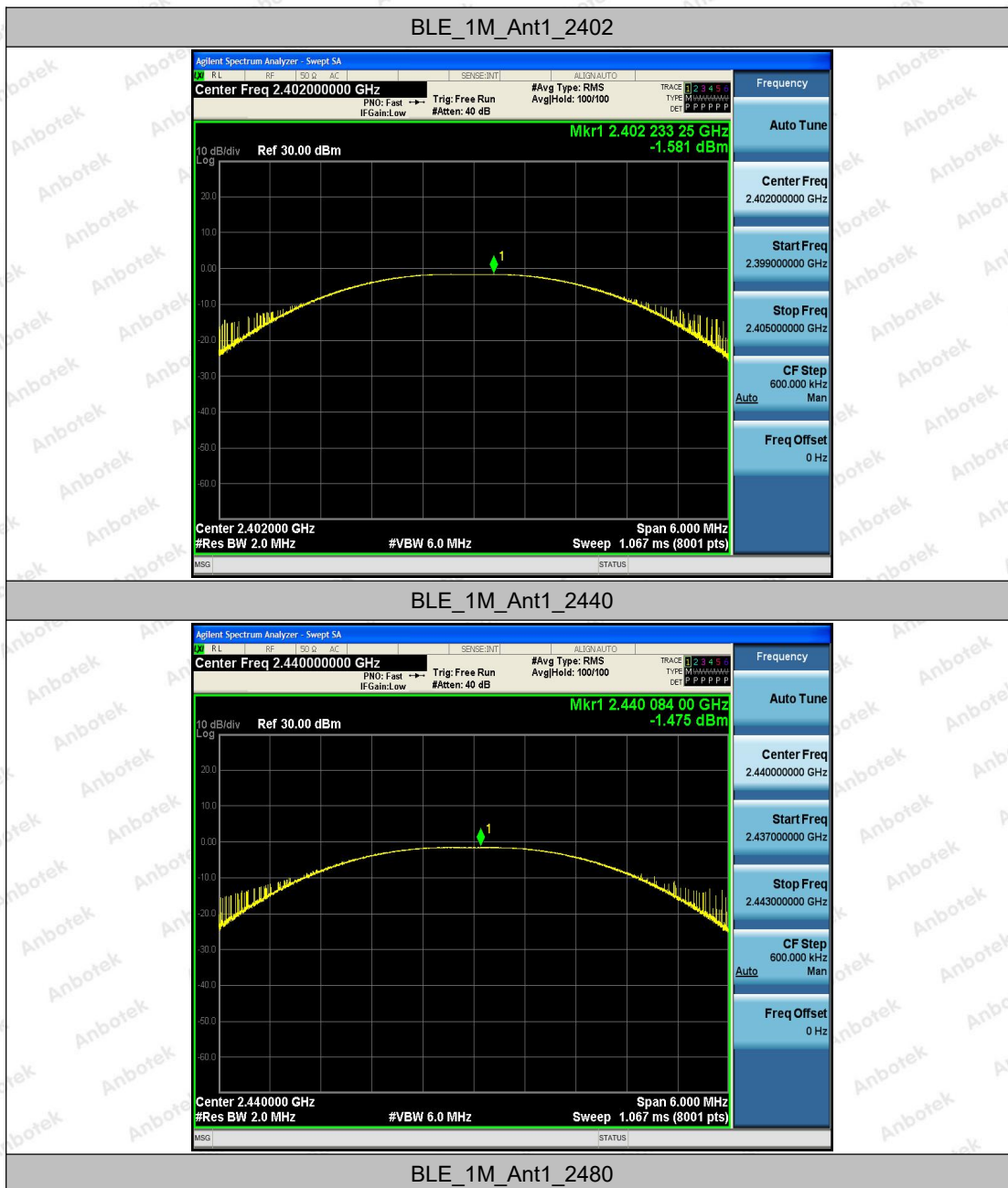
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-1.58	≤30	PASS
		2440	-1.48	≤30	PASS
		2480	-1.4	≤30	PASS

Test Graphs

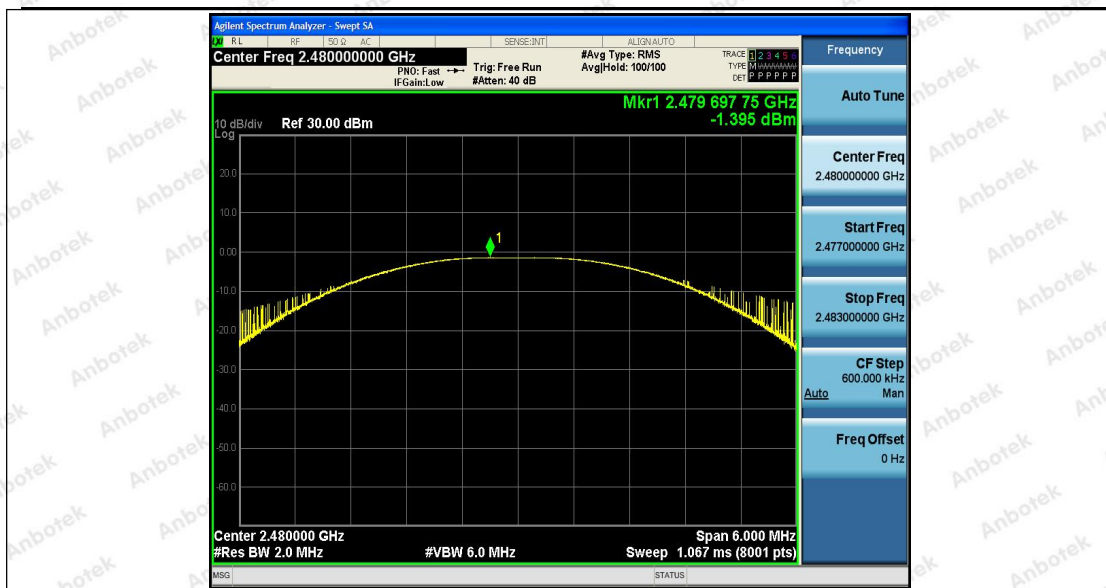


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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-8.62	≤8	PASS
		2440	-8.45	≤8	PASS
		2480	-8.39	≤8	PASS



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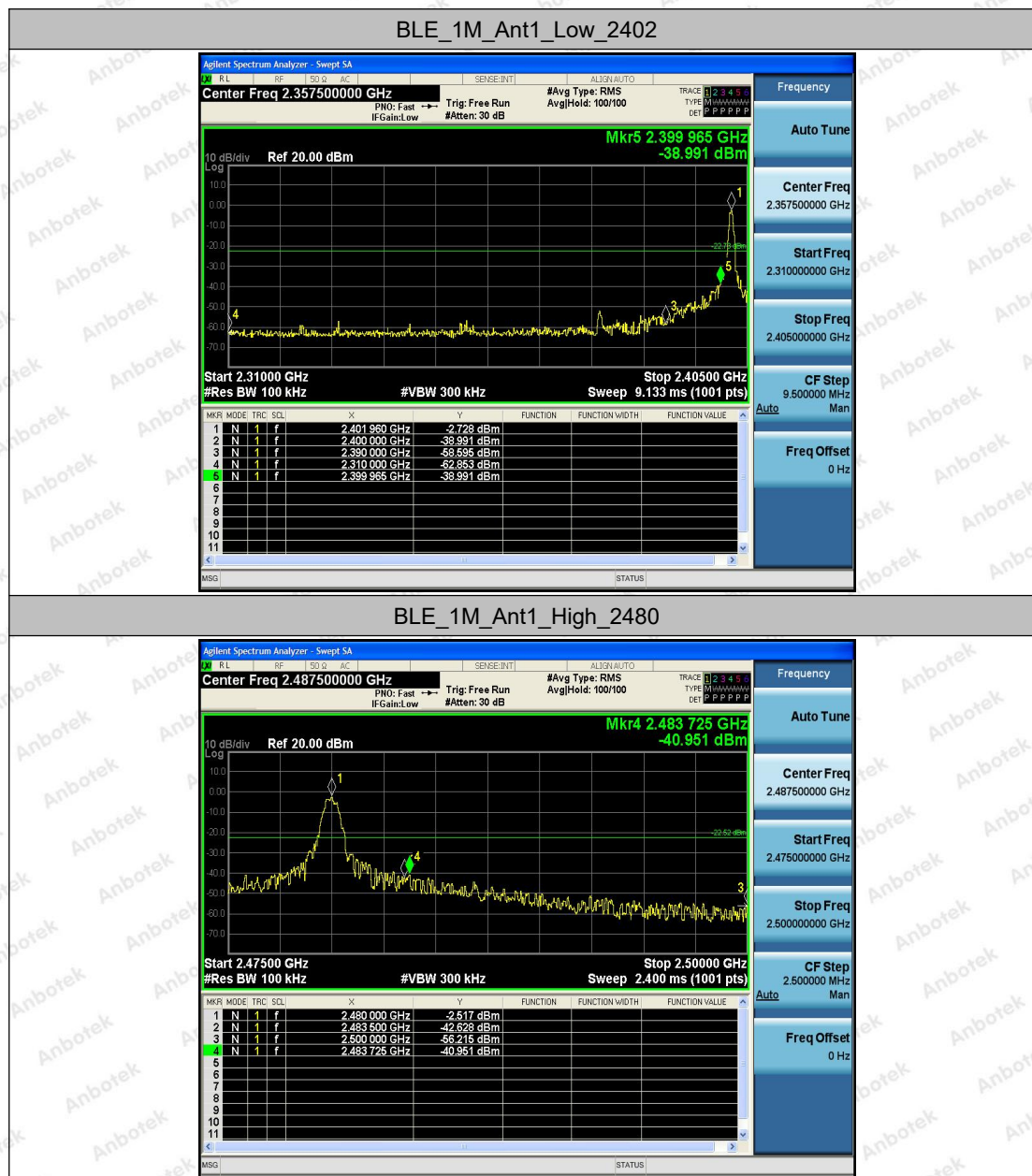
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-2.73	-38.99	≤ -22.73	PASS
		High	2480	-2.52	-40.95	≤ -22.52	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

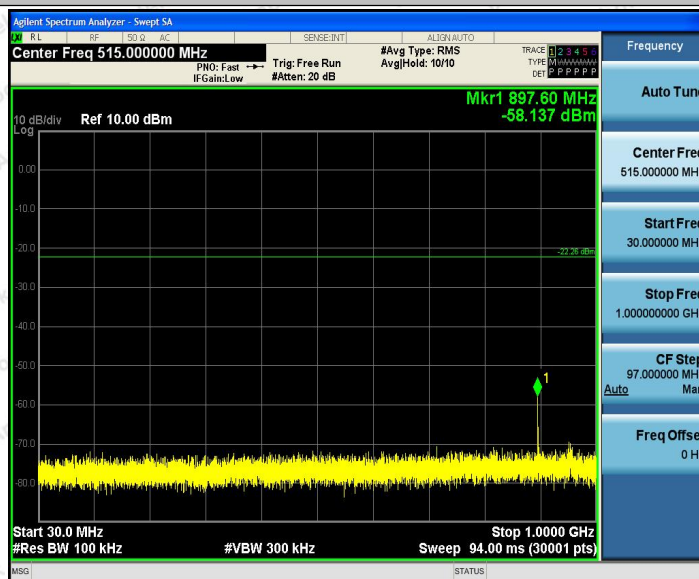
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-2.26	-2.26	---	PASS
			30~1000	-2.26	-58.14	≤-22.26	PASS
			1000~26500	-2.26	-45.07	≤-22.26	PASS
		2440	Reference	-2.15	-2.15	---	PASS
			30~1000	-2.15	-63.76	≤-22.15	PASS
			1000~26500	-2.15	-47.08	≤-22.15	PASS
		2480	Reference	-1.99	-1.99	---	PASS
			30~1000	-1.99	-60.69	≤-21.99	PASS
			1000~26500	-1.99	-48.22	≤-21.99	PASS

Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

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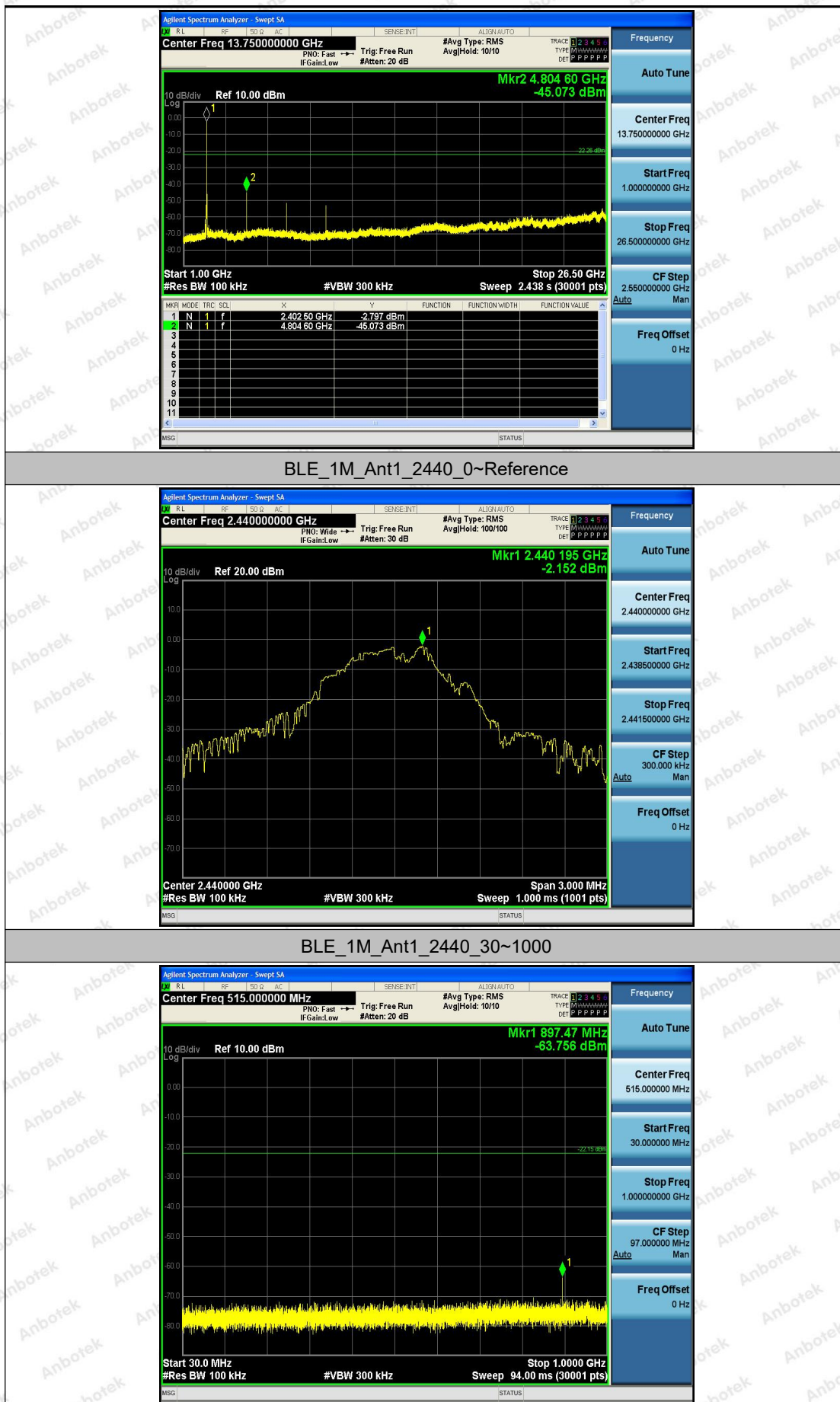
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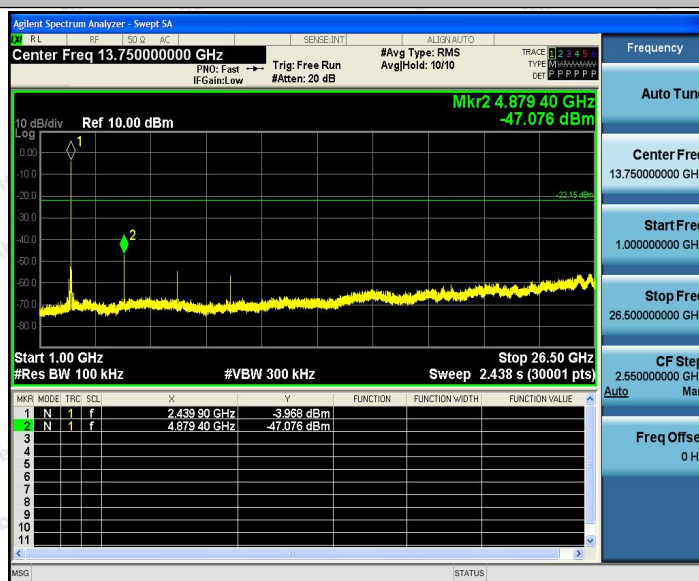
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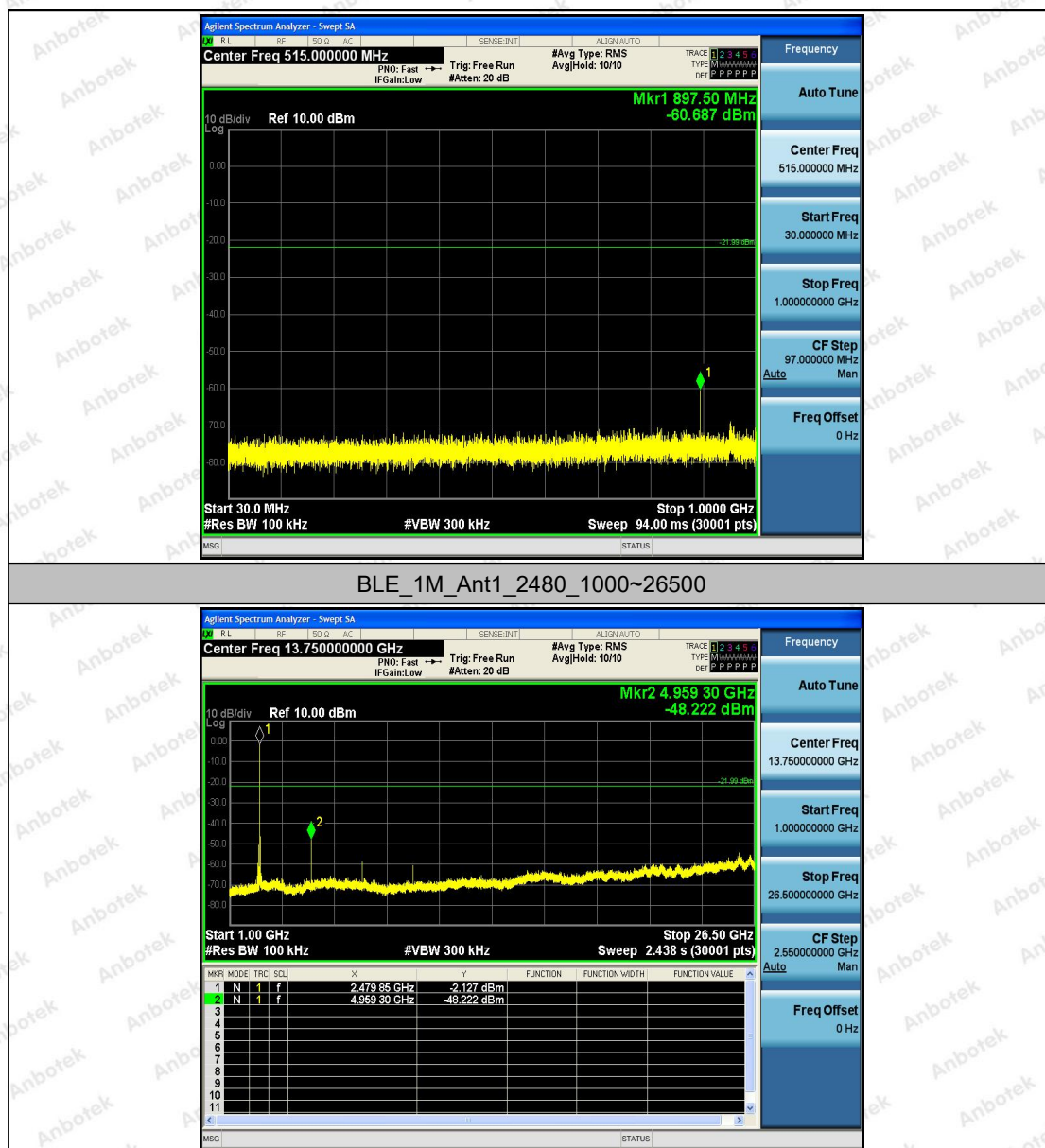
BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000



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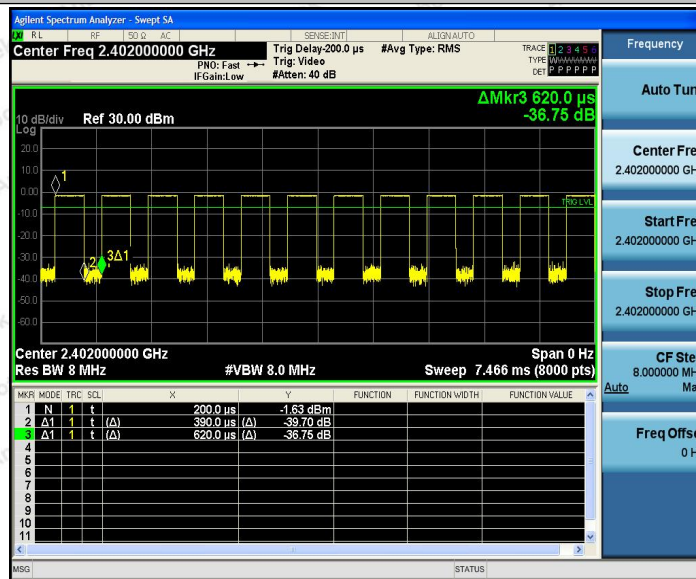
Appendix G: Duty Cycle

Test Result

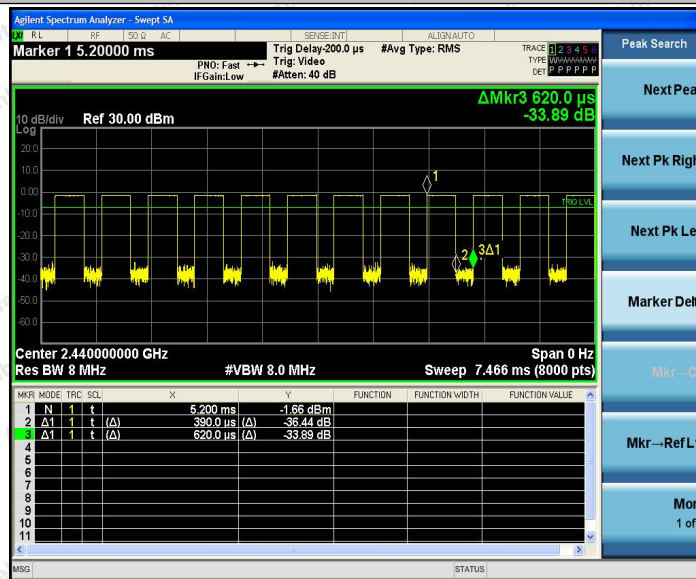
TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	0.39	0.62	0.629 0	62.90	2.01	---	PASS
		2440	0.39	0.62	0.629 0	62.90	2.01	---	PASS
		2480	0.39	0.62	0.629 0	62.90	2.01	---	PASS

Test Graphs

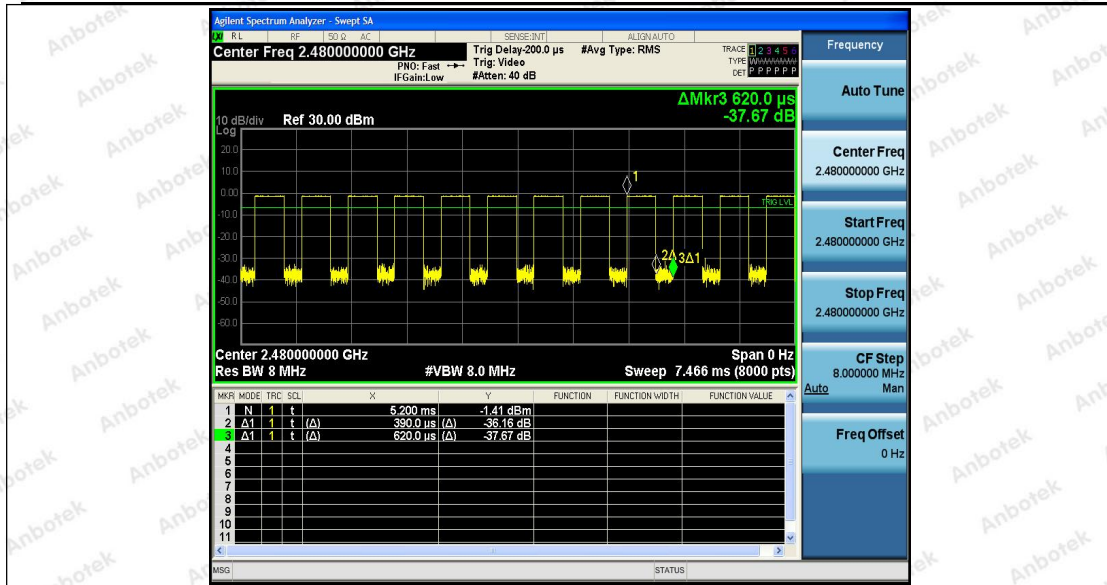
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



---End---