

Appendix Test Data

Report No.:	18220WC20120601	Test Sample No.:	1-2-2
Start Test Date:	2022.6.9	Finish Test Date:	2022.6.28
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	23.5℃	Relative Humidity:	52.9 %
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	0.728	2401.620	2402.348	≥0.5	PASS
		2440	0.724	2439.628	2440.352	≥0.5	PASS
		2480	0.732	2479.616	2480.348	≥0.5	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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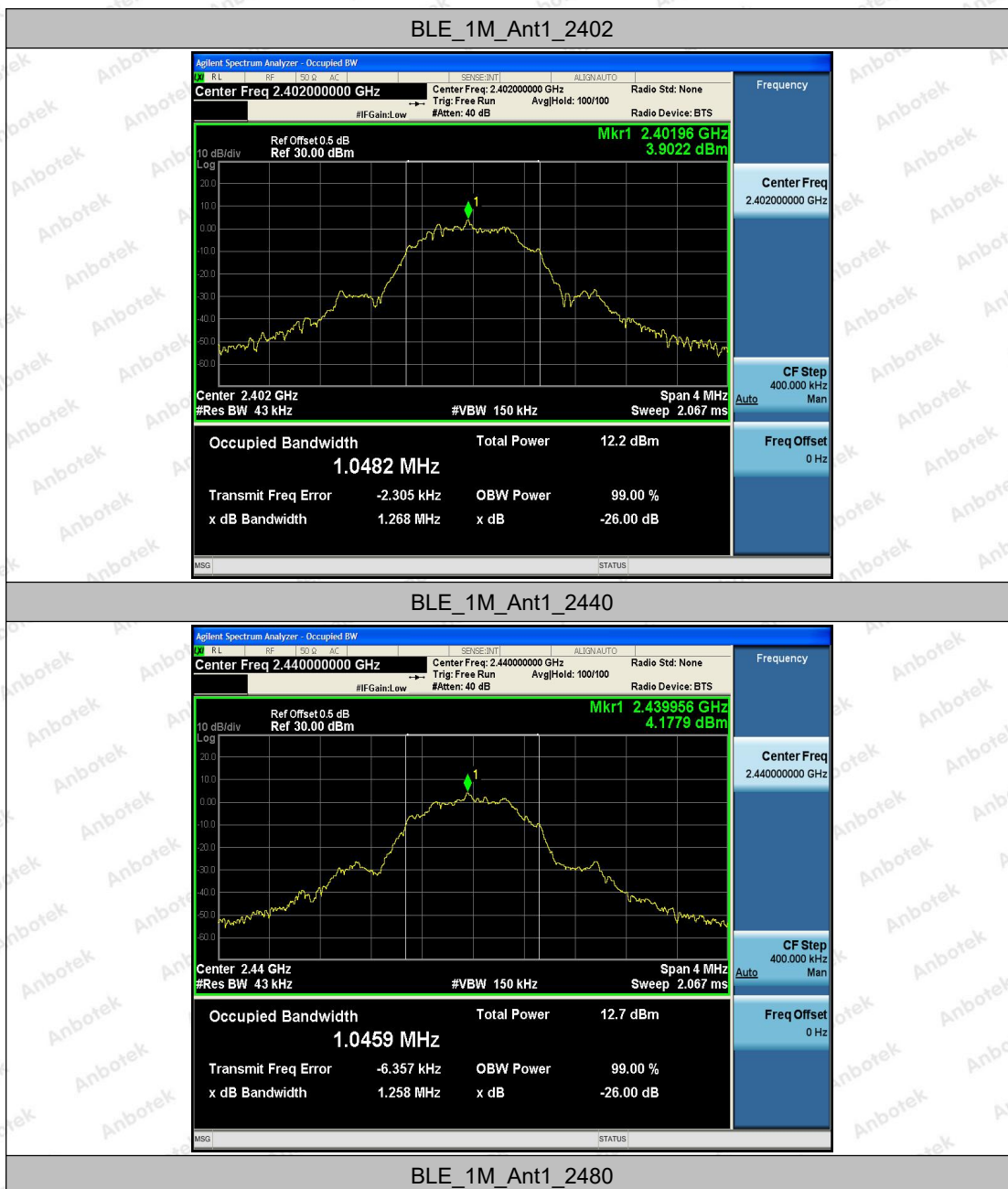
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Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0482	2401.474	2402.522	---	PASS
		2440	1.0459	2439.471	2440.517	---	PASS
		2480	1.0423	2479.473	2480.515	---	PASS

Test Graphs



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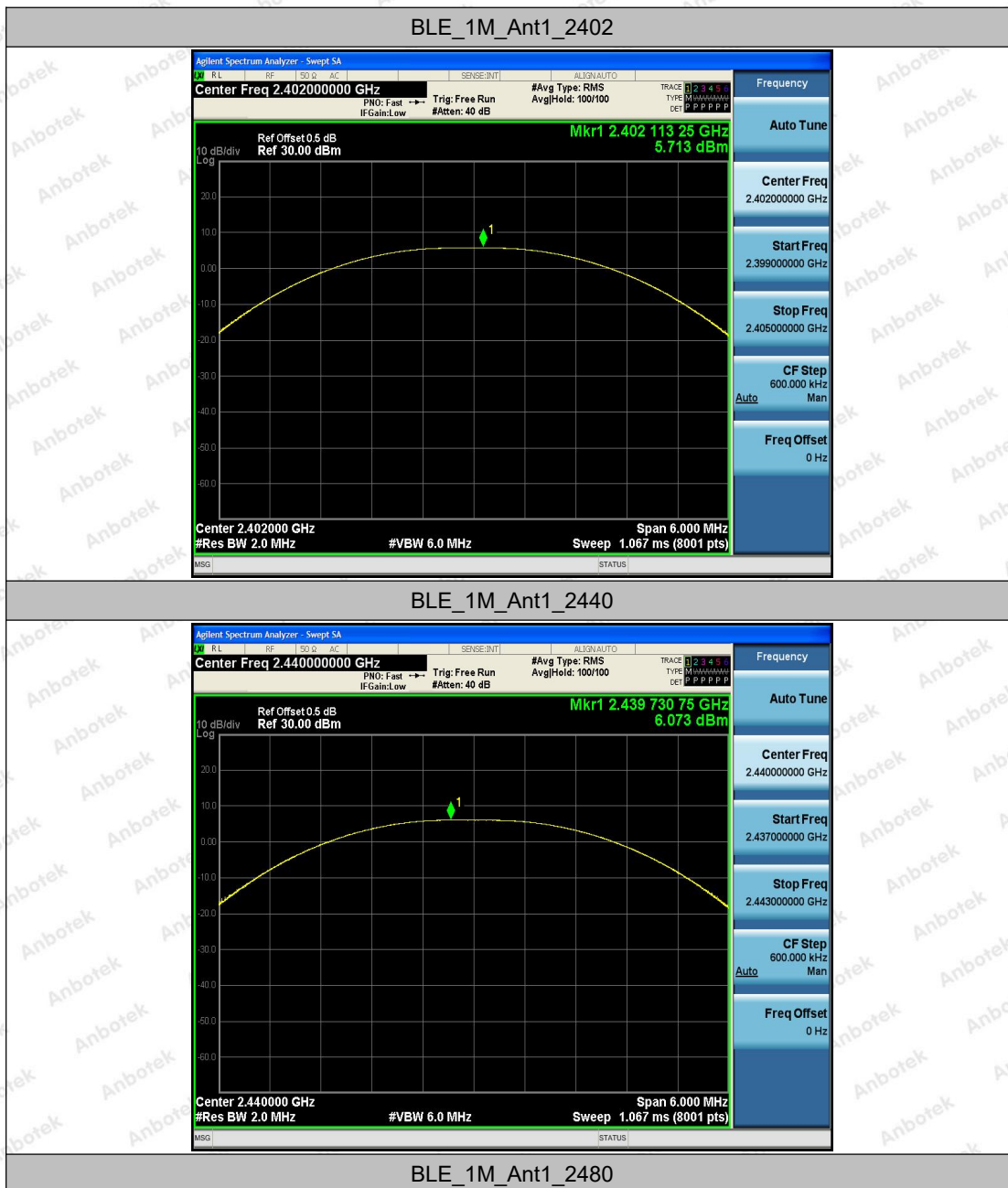
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Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	5.71	≤30	PASS
		2440	6.07	≤30	PASS
		2480	7.78	≤30	PASS

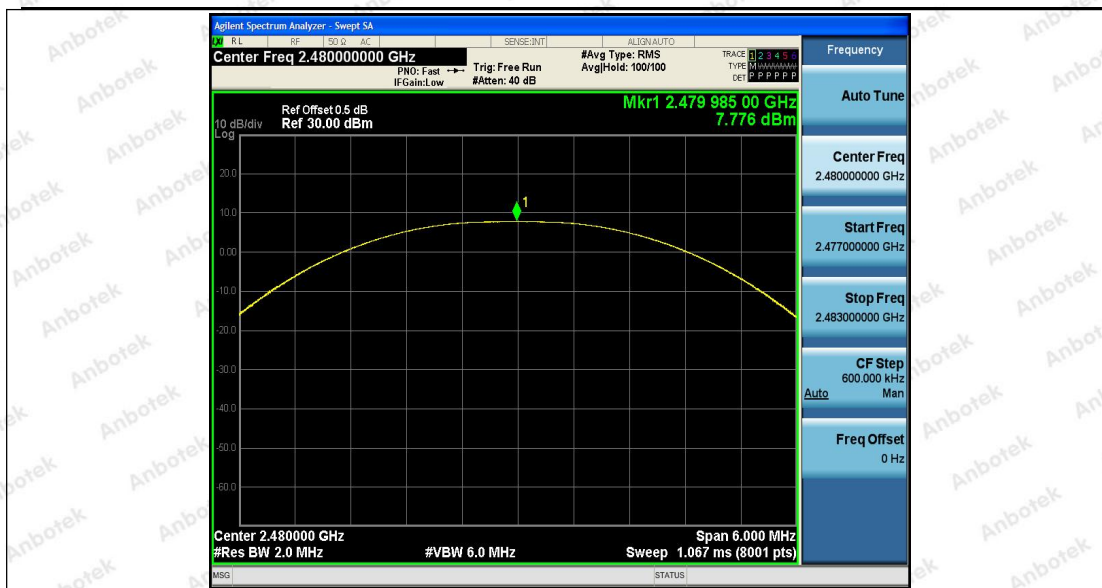
Test Graphs



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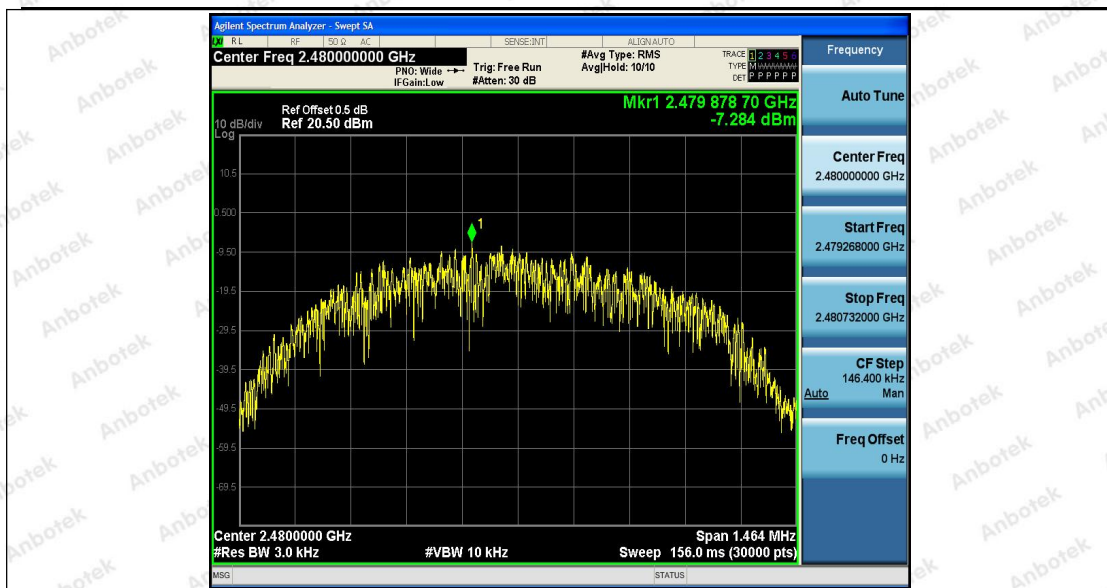
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community,
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Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-9.22	≤8	PASS
		2440	-8.77	≤8	PASS
		2480	-7.28	≤8	PASS



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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	4.80	-35.55	≤-15.2	PASS
		High	2480	6.90	-39.33	≤-13.1	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

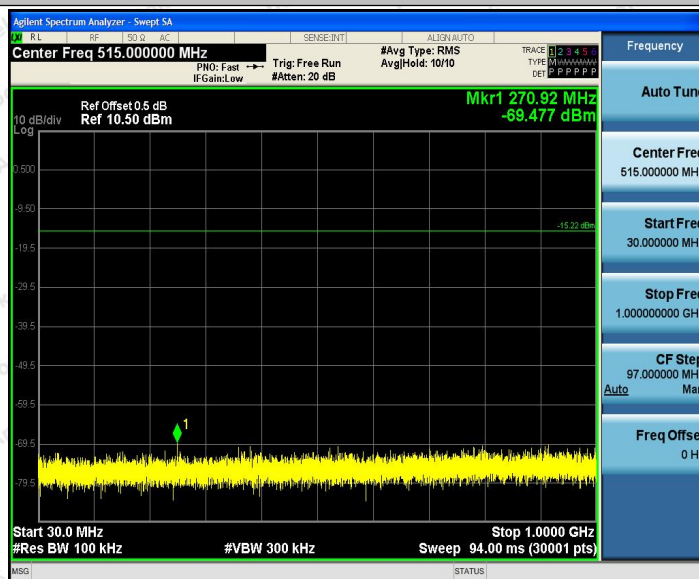
Test Mode	Antenna	Channel	Freq Range[MHz]	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	4.78	4.78	---	PASS
			30~1000	4.78	-69.48	≤-15.22	PASS
			1000~26500	4.78	-48.55	≤-15.22	PASS
		2440	Reference	5.21	5.21	---	PASS
			30~1000	5.21	-65.89	≤-14.79	PASS
			1000~26500	5.21	-50.57	≤-14.79	PASS
		2480	Reference	7.04	7.04	---	PASS
			30~1000	7.04	-65.7	≤-12.96	PASS
			1000~26500	7.04	-54.74	≤-12.96	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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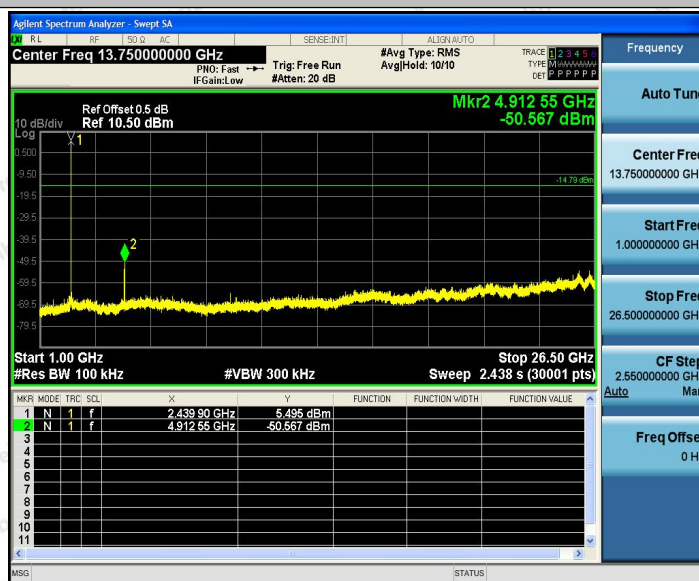
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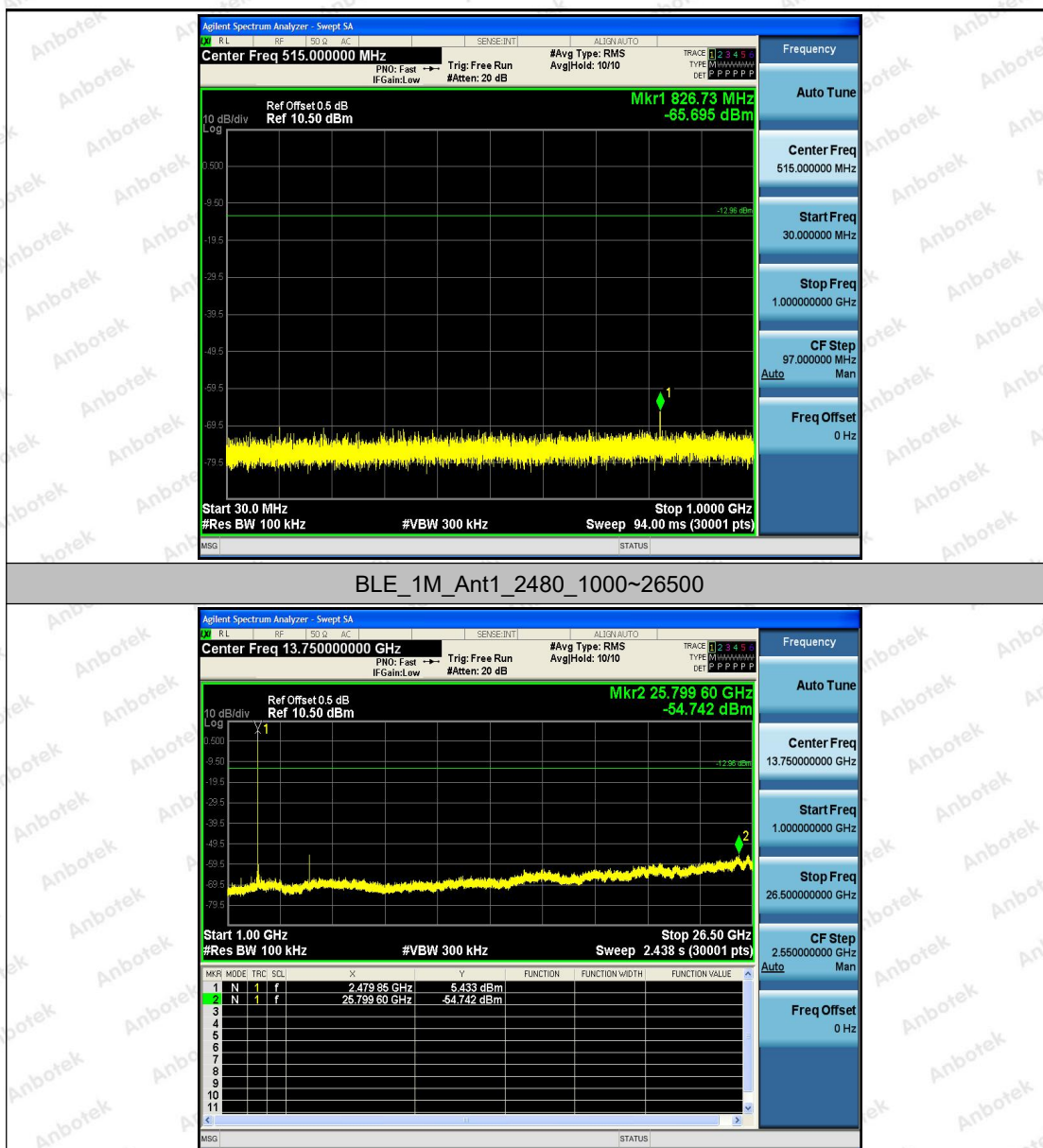
BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000



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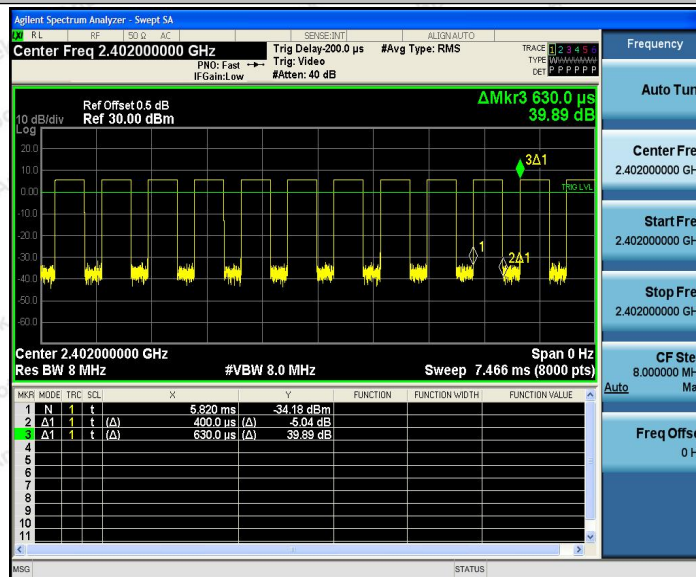
Appendix G: Duty Cycle

Test Result

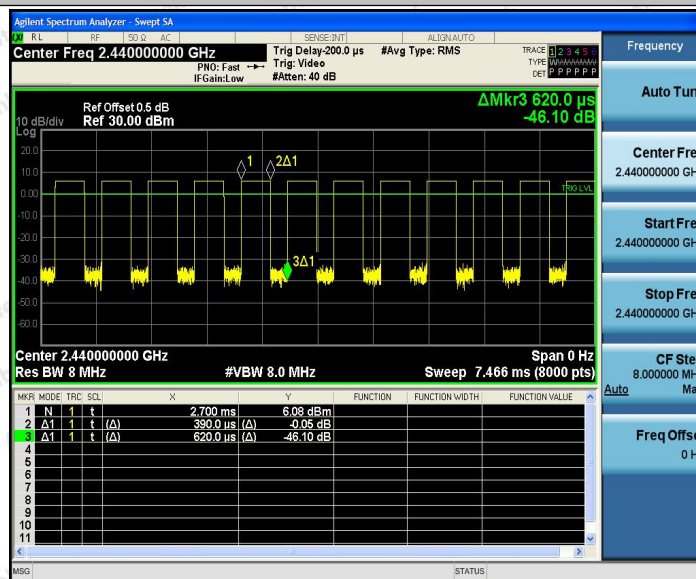
Test Mode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC[%]	x Factor	Limit	Verdict
BLE_1M	Ant1	2402	0.40	0.63	0.6349	63.49	1.97	---	PASS
		2440	0.39	0.62	0.6290	62.90	2.01	---	PASS
		2480	0.39	0.63	0.6190	61.90	2.08	---	PASS

Test Graphs

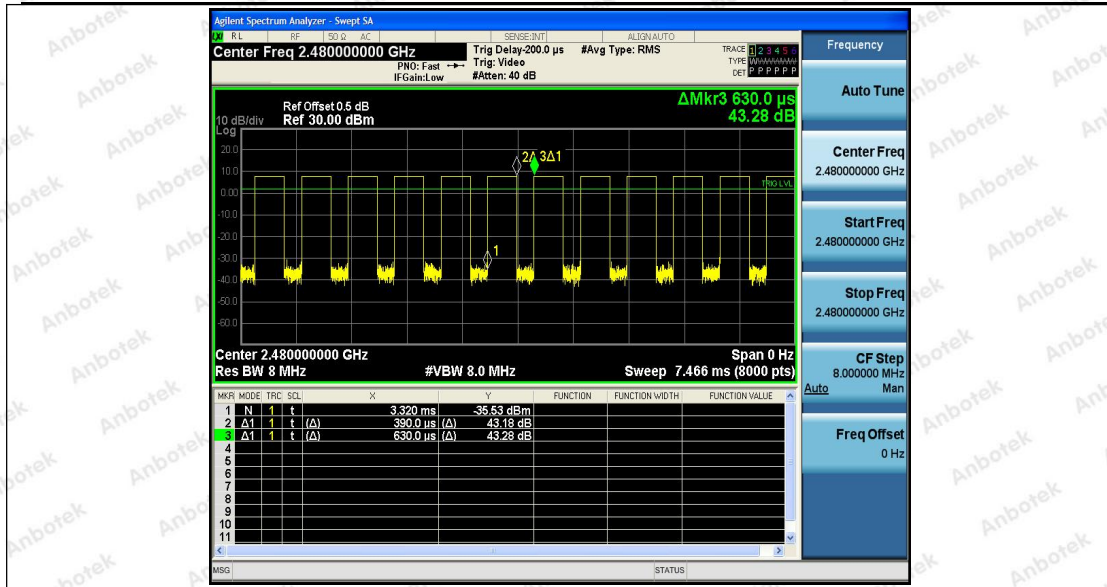
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



---End---