

Appendix Test Data

Report No.:	18220WC10255401	Test Sample No.:	1-2-2
Start Test Date:	2021.11.22	Finish Test Date:	2021.11.22
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3C°	Relative Humidity:	57 %
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	0.692	2401.640	2402.332	≥0.5	PASS
		2440	0.688	2439.644	2440.332	≥0.5	PASS
		2480	0.680	2479.656	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	1.0327	2401.489	2402.522	---	PASS
		2440	1.0219	2439.489	2440.511	---	PASS
		2480	1.0279	2479.488	2480.516	---	PASS

Test Graphs



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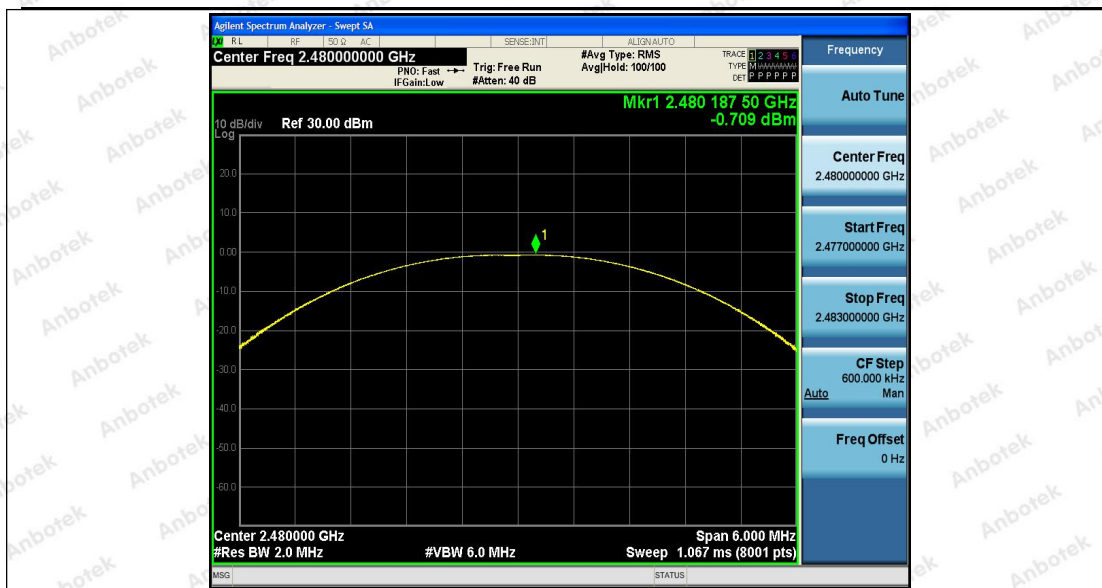
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Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.25	≤30	PASS
		2440	-1.47	≤30	PASS
		2480	-0.71	≤30	PASS



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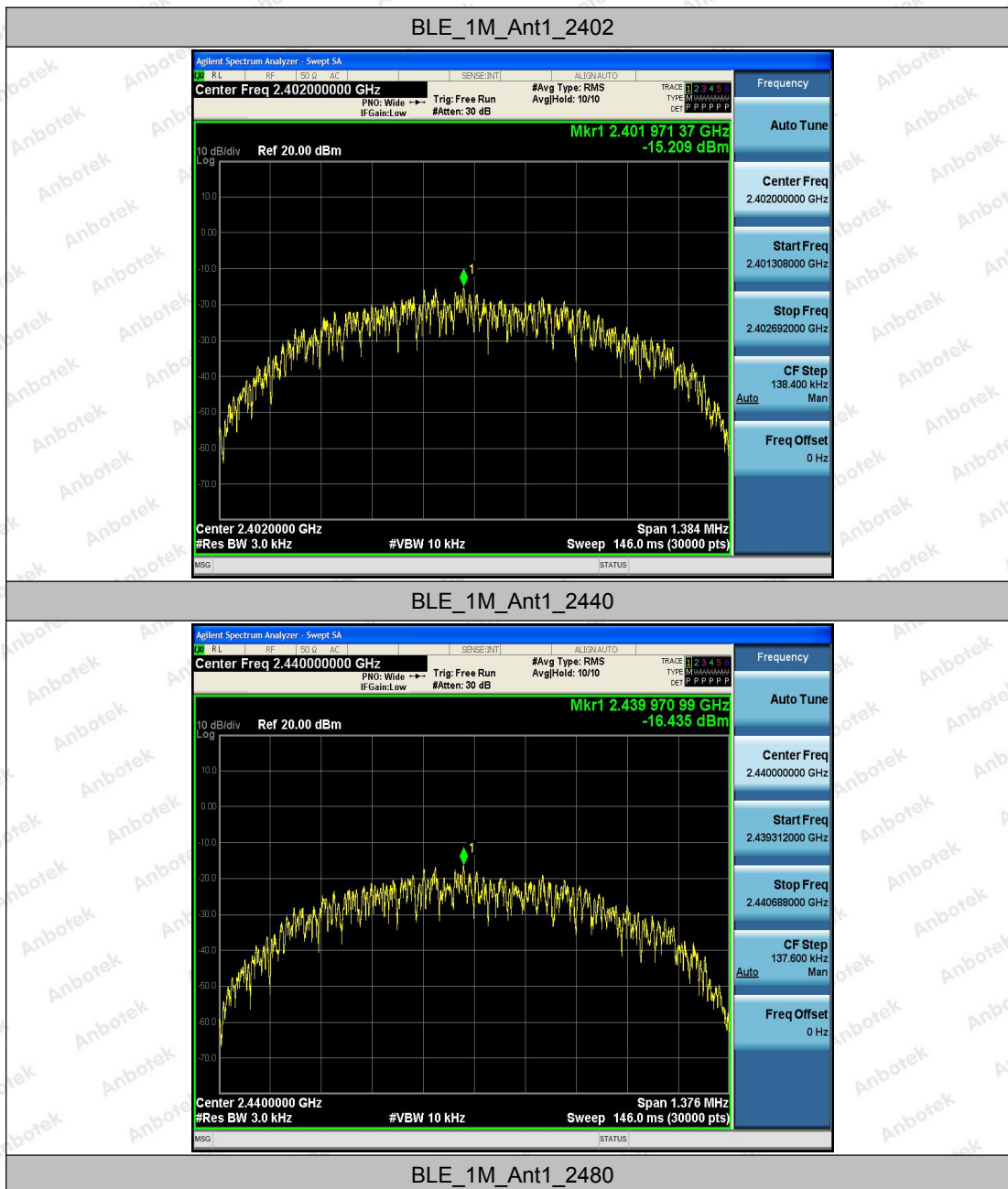
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Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.21	≤8	PASS
		2440	-16.44	≤8	PASS
		2480	-16.39	≤8	PASS

Test Graphs

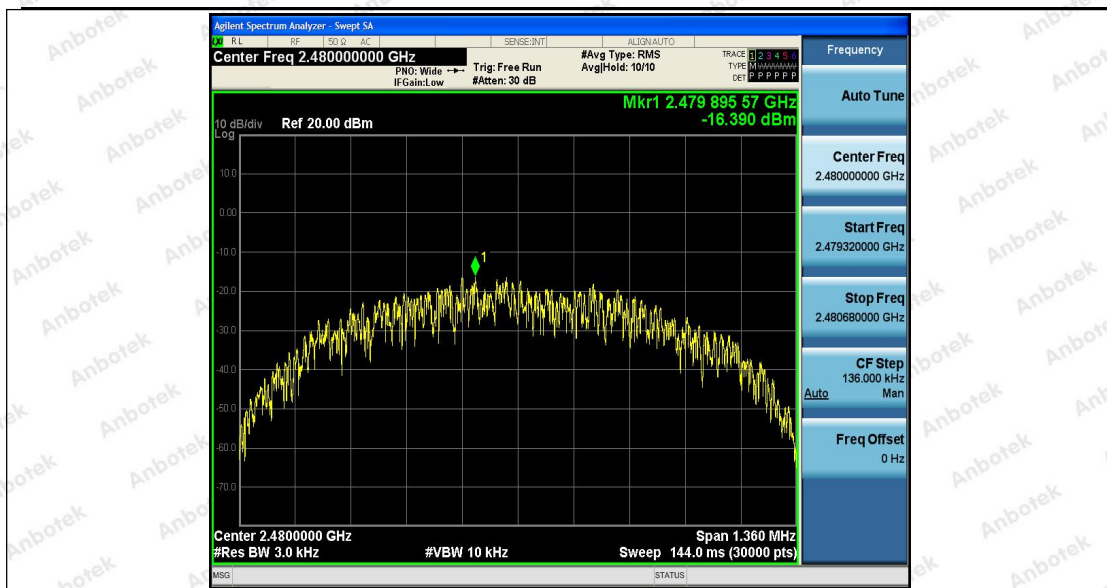


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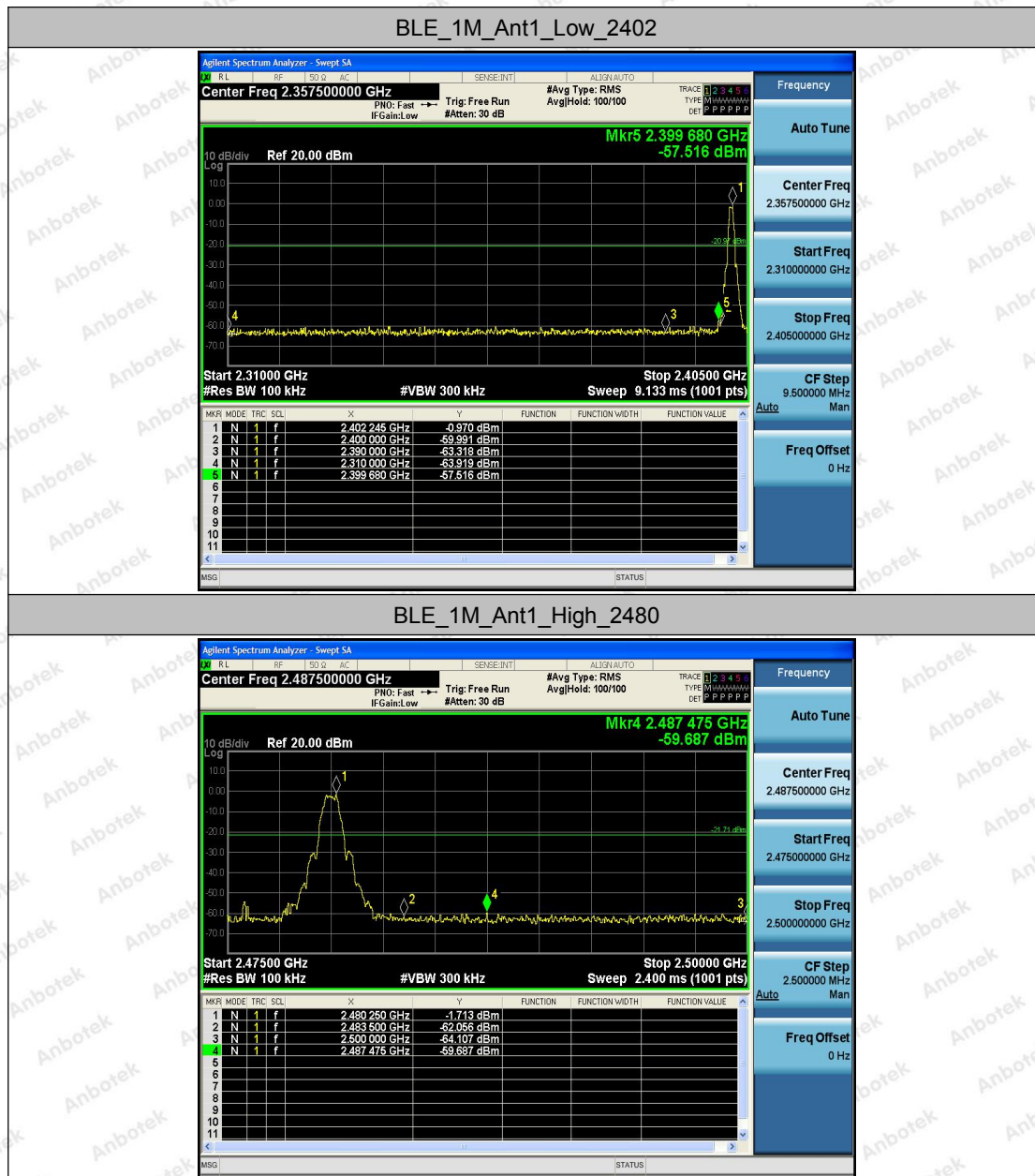
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch Name	Channel	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.97	-57.52	≤-20.97	PASS
		High	2480	-1.71	-59.69	≤-21.71	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

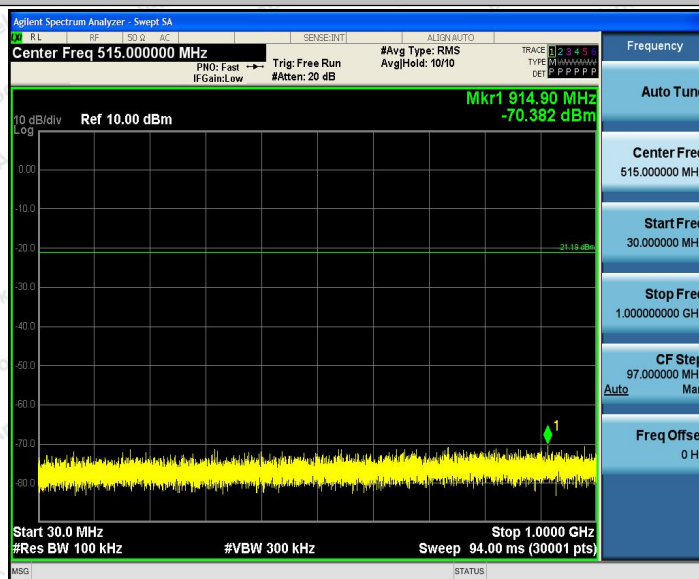
Test Mode	Antenna	Channel	Freq Range [MHz]	Ref Level [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-1.19	-1.19	---	PASS
			30~1000	-1.19	-70.38	≤ -21.19	PASS
			1000~26500	-1.19	-44.71	≤ -21.19	PASS
		2440	Reference	-2.30	-2.30	---	PASS
			30~1000	-2.30	-70.08	≤ -22.3	PASS
			1000~26500	-2.30	-47.71	≤ -22.3	PASS
		2480	Reference	-1.63	-1.63	---	PASS
			30~1000	-1.63	-69.72	≤ -21.63	PASS
			1000~26500	-1.63	-50.58	≤ -21.63	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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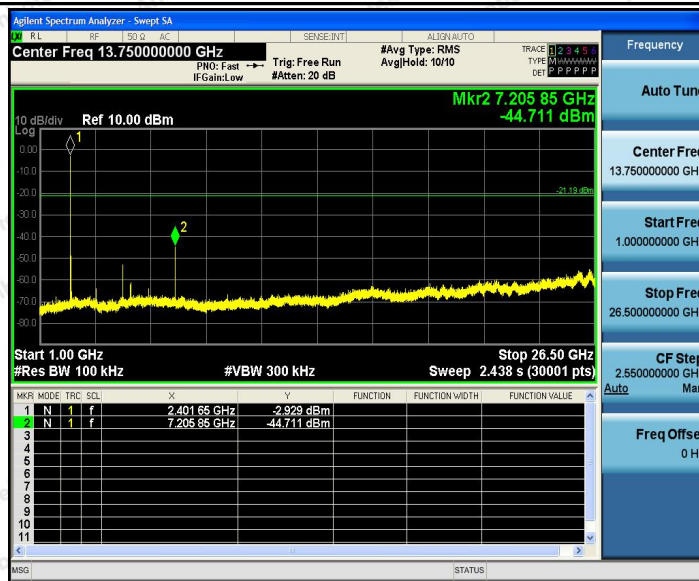
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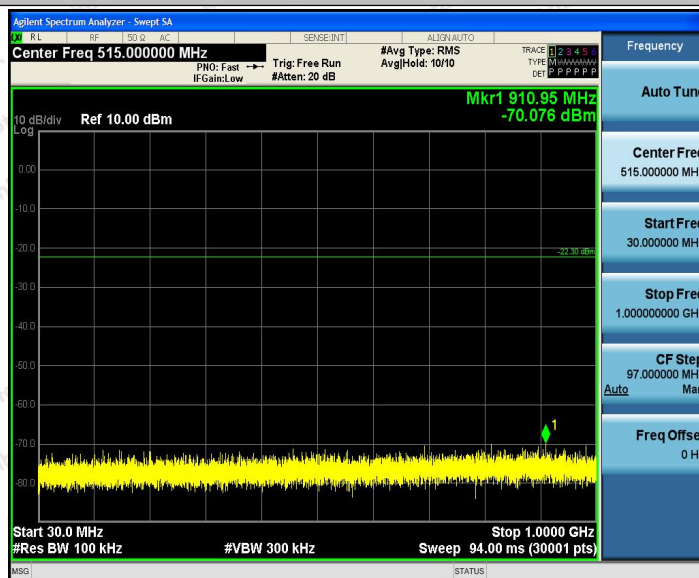
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



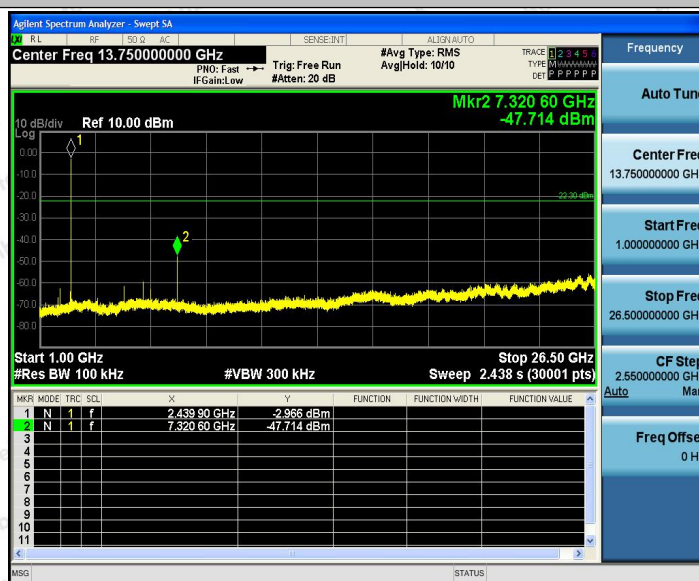
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



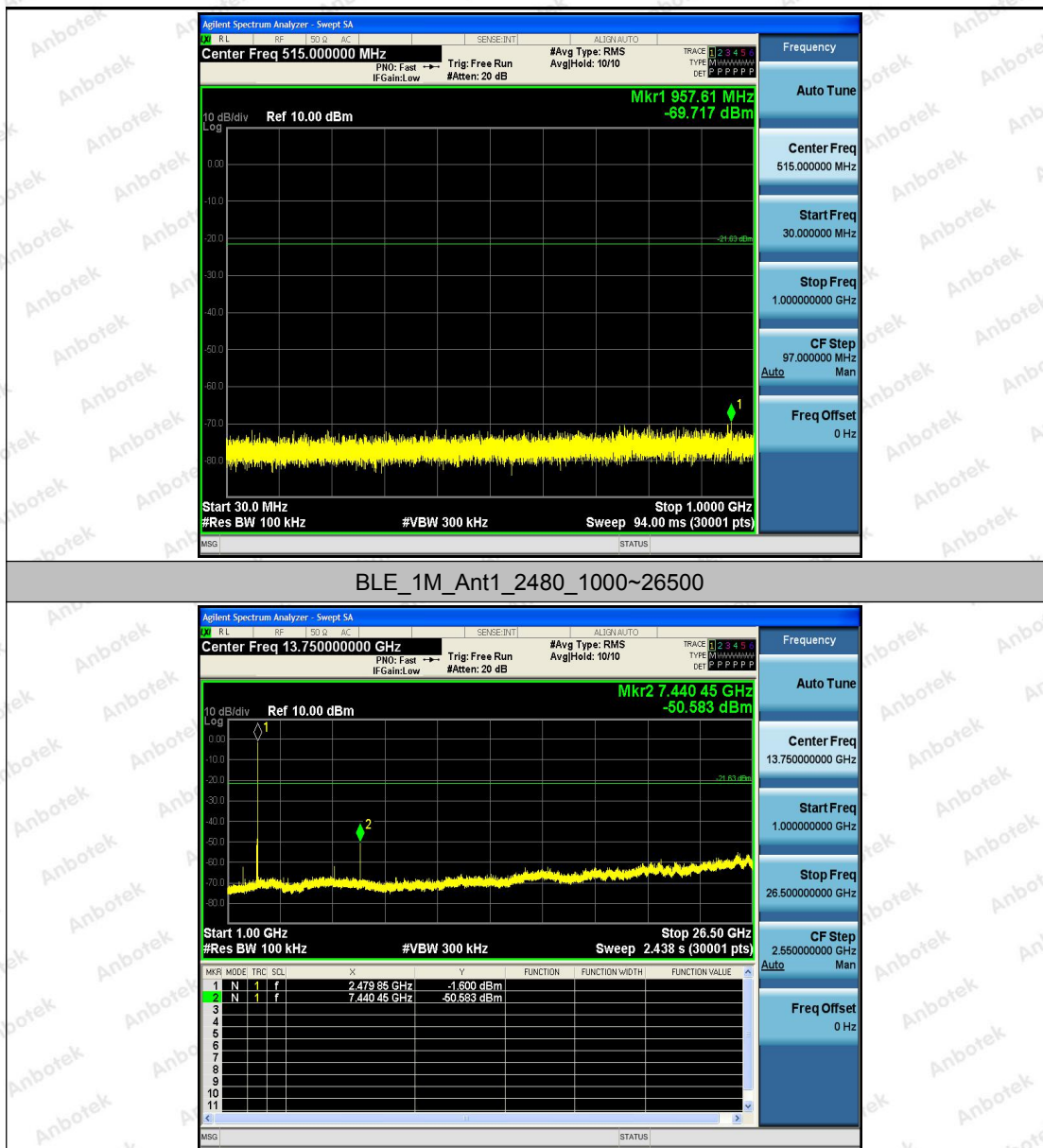
BLE_1M_Ant1_2480_30~1000

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Appendix G: Duty Cycle

Test Result

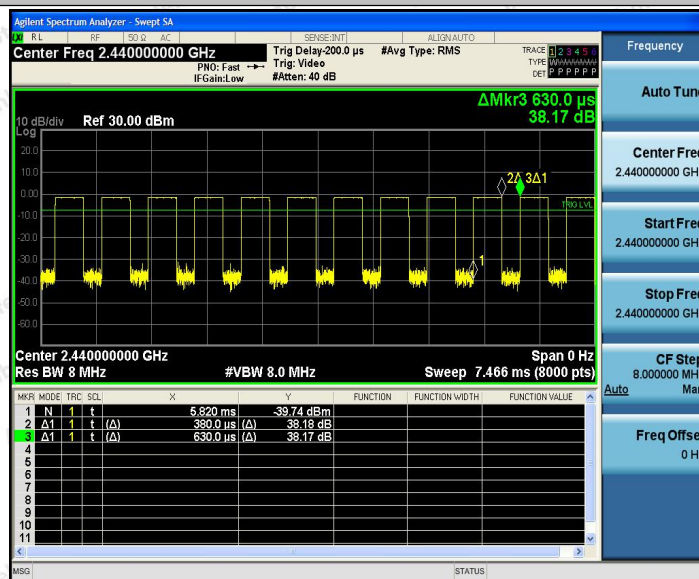
Test Mode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	X Factor	Limit	Verdict
BLE_1M	Ant1	2402	0.38	0.62	0.6129	61.29	2.13	---	PASS
		2440	0.38	0.63	0.6032	60.32	2.20	---	PASS
		2480	0.38	0.63	0.6032	60.32	2.20	---	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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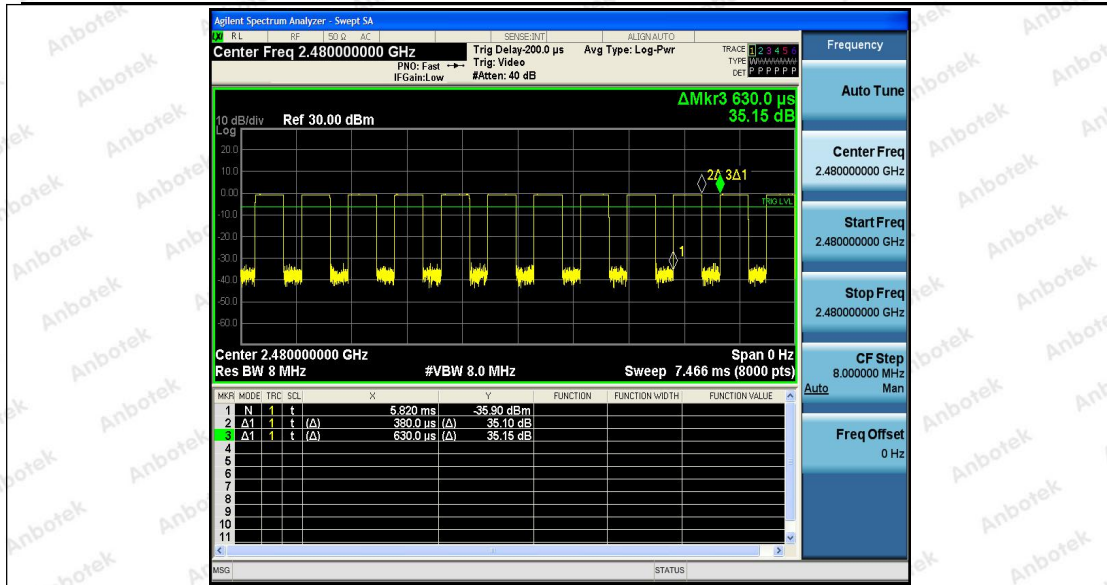
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