

Appendix Test Data

Report No.:	18220WC10255601	Test Sample No.:	1-2-2
Start Test Date:	2021.11.25	Finish Test Date:	2021.11.26
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.3°C	Relative Humidity:	57 %
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	0.700	2401.648	2402.348	≥0.5	PASS
		2440	0.680	2439.660	2440.340	≥0.5	PASS
		2480	0.652	2479.676	2480.328	≥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	1.0318	2401.490	2402.521	---	PASS
		2440	1.0289	2439.488	2440.517	---	PASS
		2480	1.0110	2479.496	2480.507	---	PASS

Test Graphs



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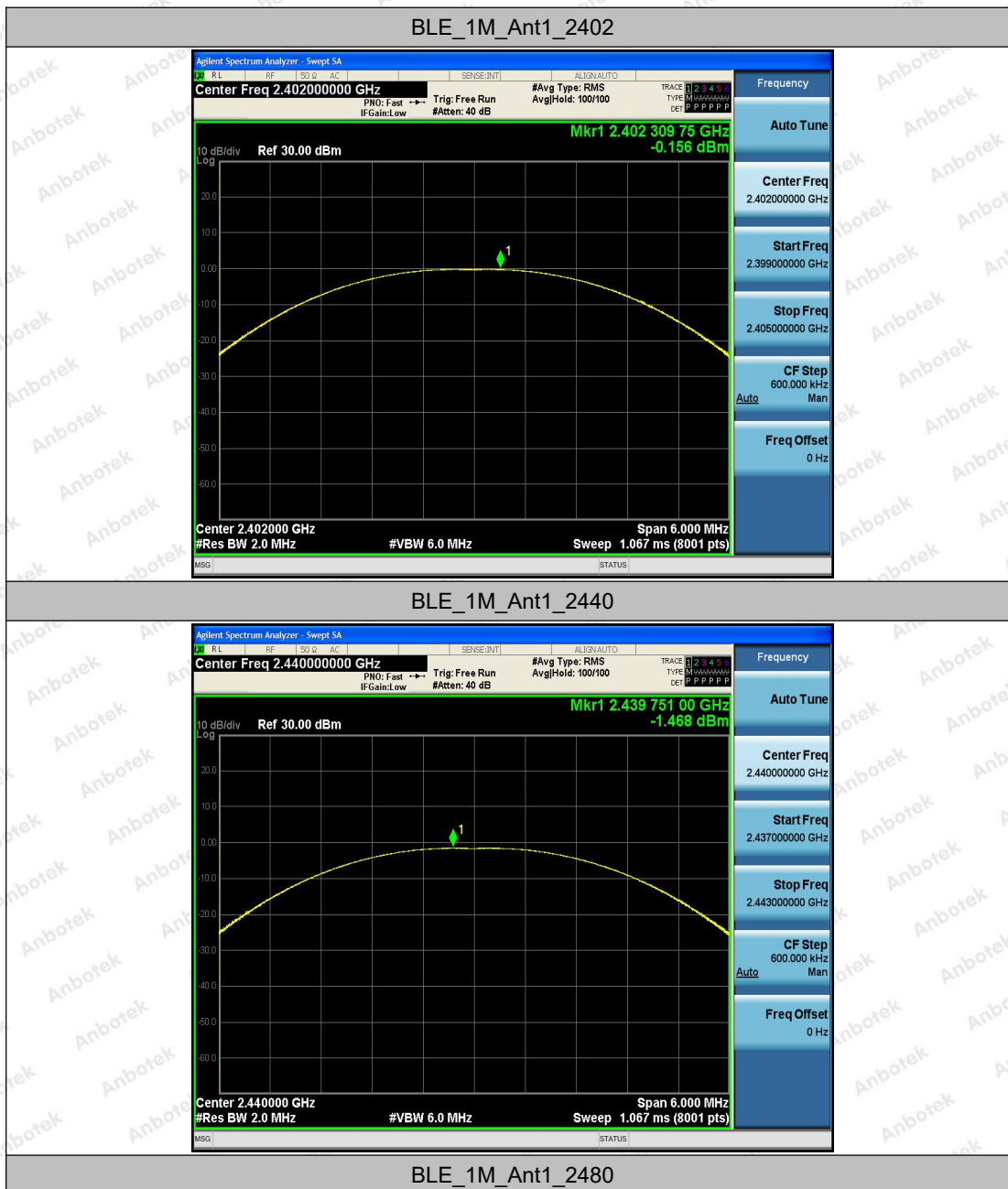
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.16	≤30	PASS
		2440	-1.47	≤30	PASS
		2480	0.17	≤30	PASS

Test Graphs

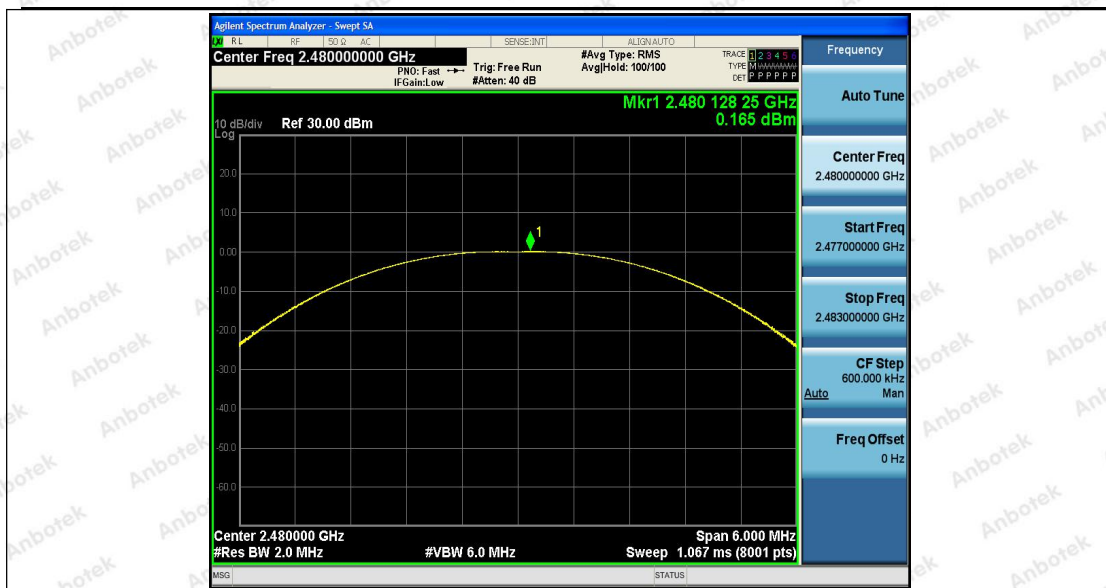


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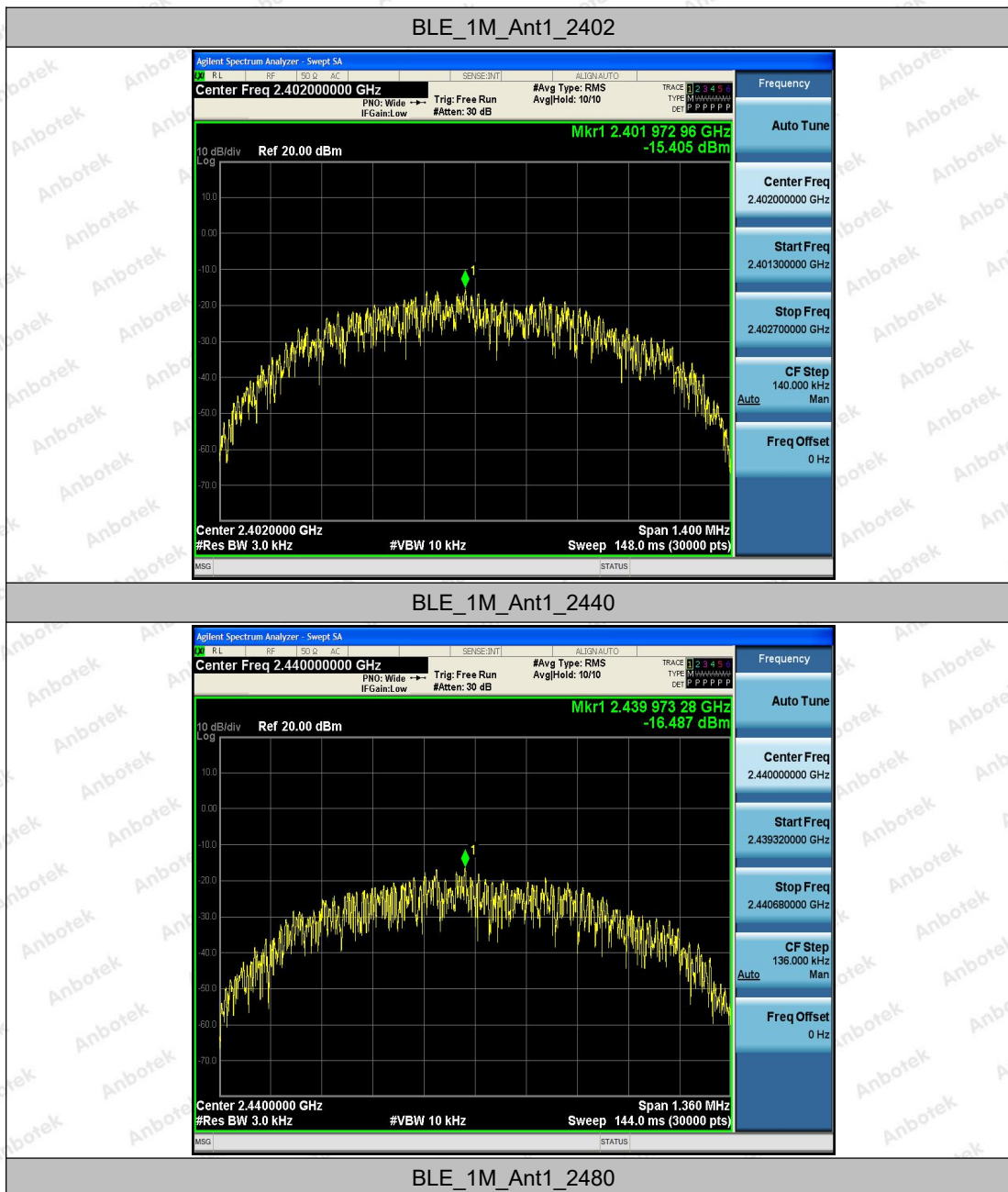
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.41	≤8	PASS
		2440	-16.49	≤8	PASS
		2480	-14.82	≤8	PASS

Test Graphs

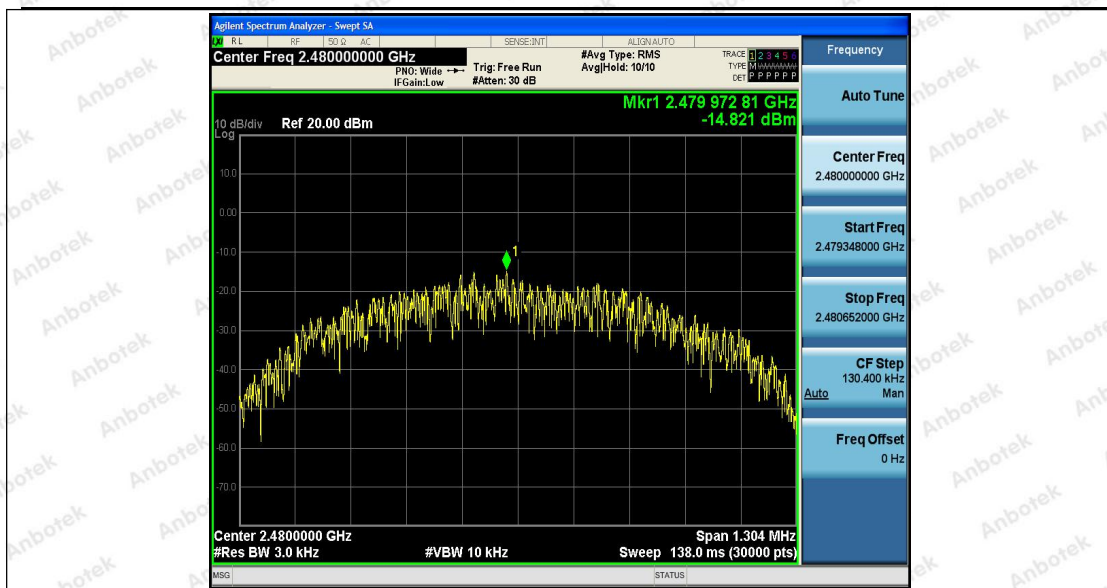


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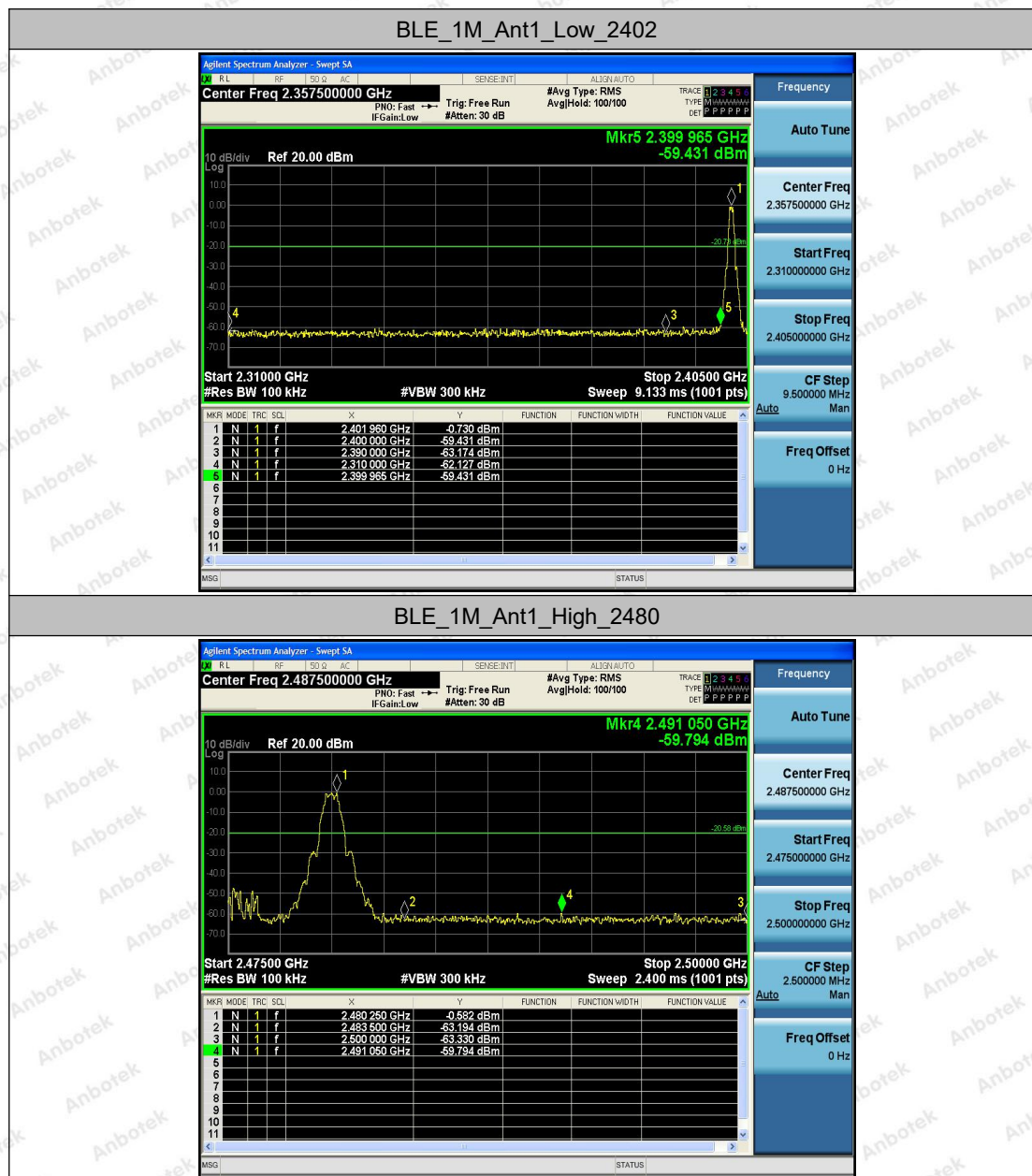
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.73	-59.43	≤-20.73	PASS
		High	2480	-0.58	-59.79	≤-20.58	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

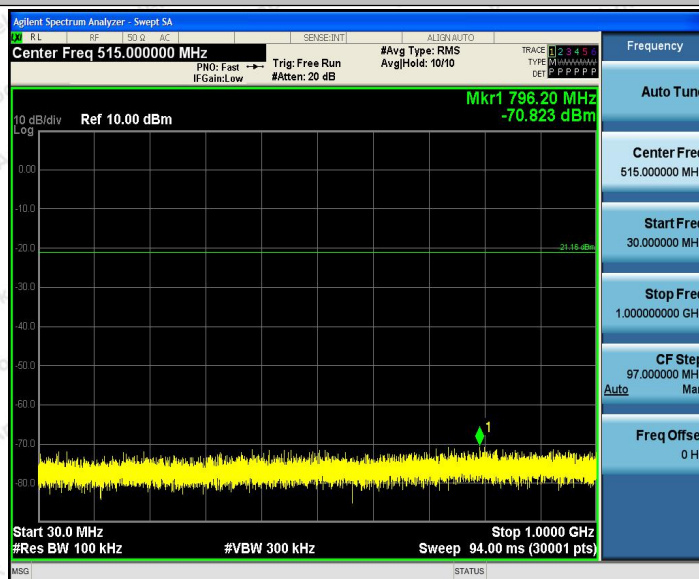
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-1.16	-1.16	---	PASS
			30~1000	-1.16	-70.82	≤ -21.16	PASS
			1000~265 00	-1.16	-46.85	≤ -21.16	PASS
		2440	Reference	-2.51	-2.51	---	PASS
			30~1000	-2.51	-71	≤ -22.51	PASS
			1000~265 00	-2.51	-49.81	≤ -22.51	PASS
		2480	Reference	-0.63	-0.63	---	PASS
			30~1000	-0.63	-70.82	≤ -20.63	PASS
			1000~265 00	-0.63	-50.72	≤ -20.63	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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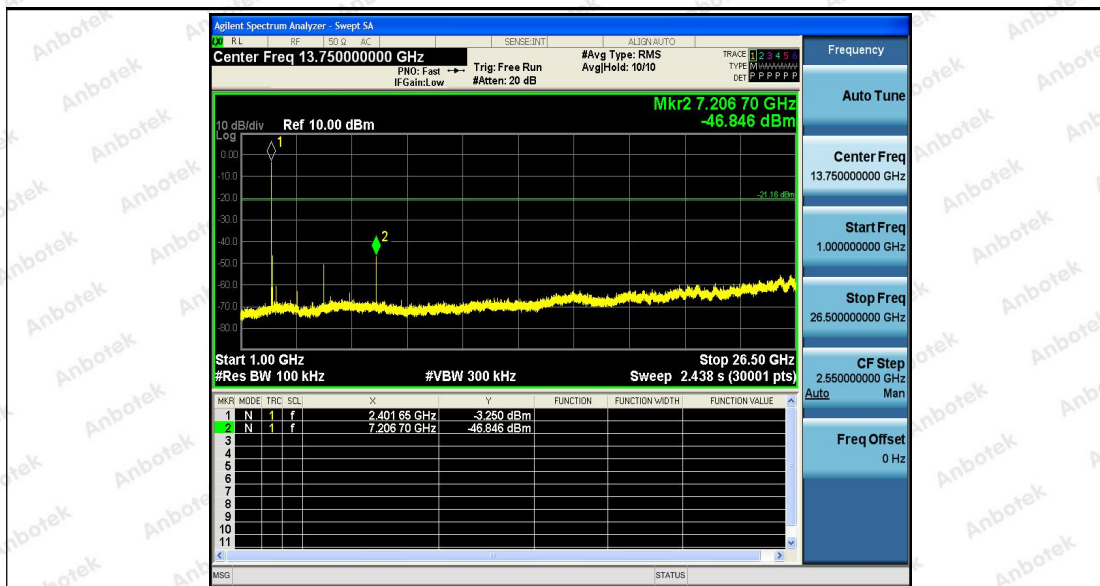
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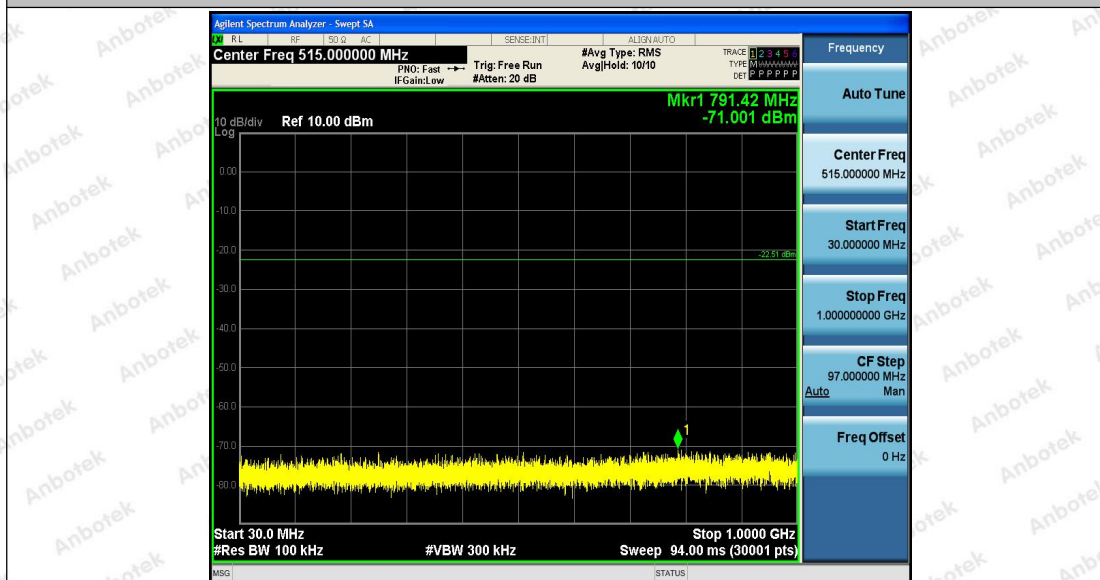
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



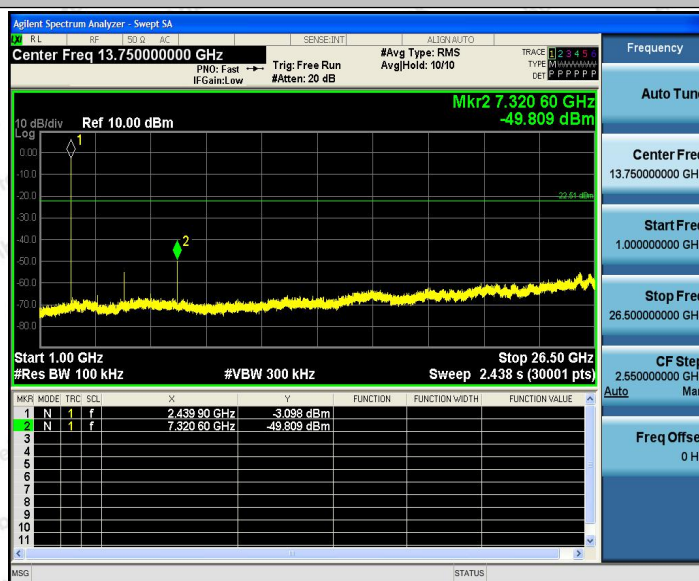
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



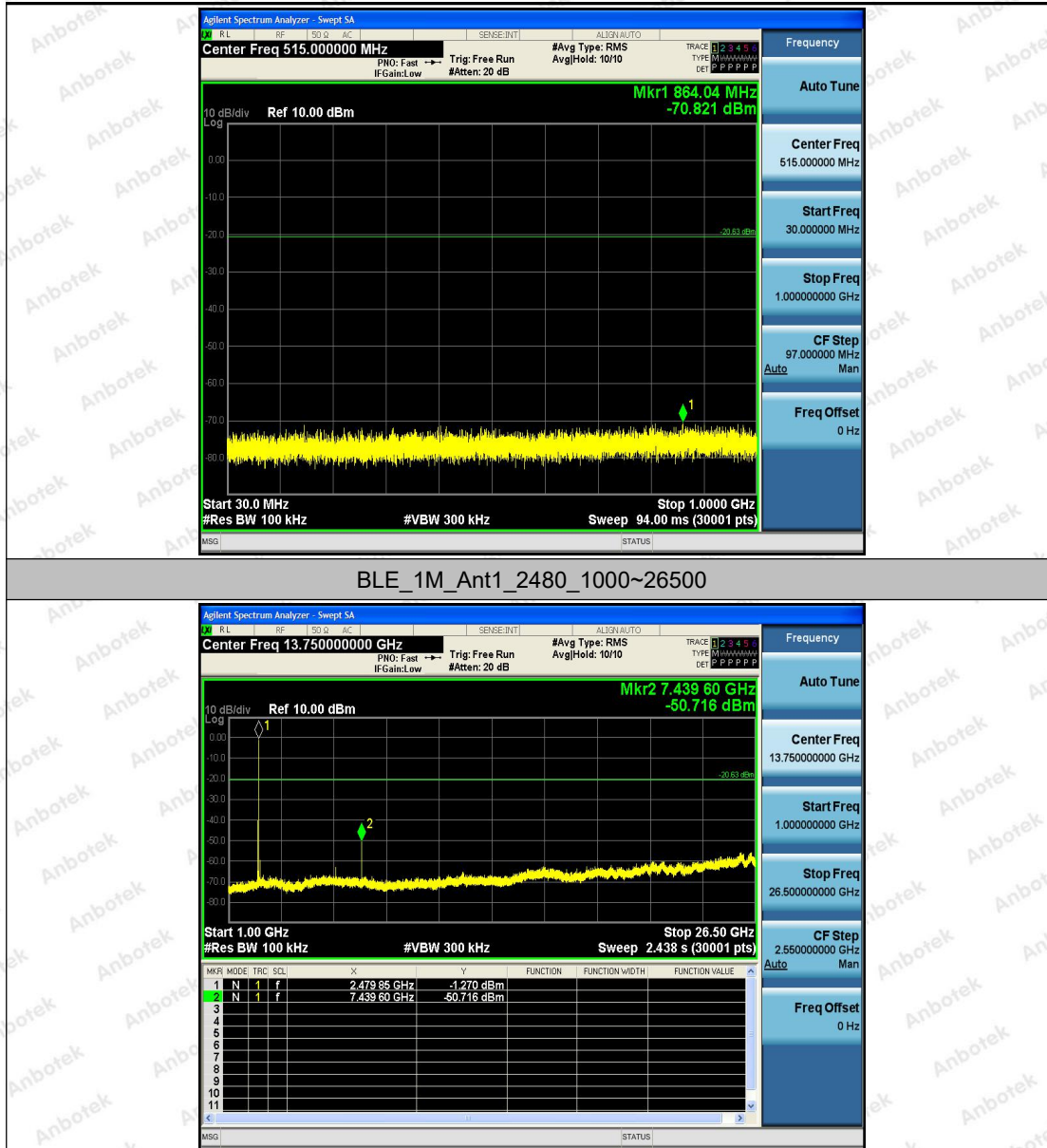
BLE_1M_Ant1_2480_30~1000

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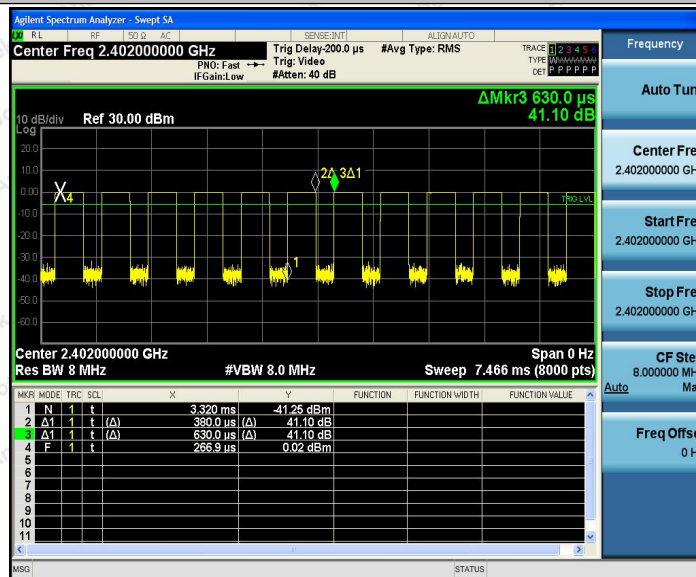
Appendix G: Duty Cycle

Test Result

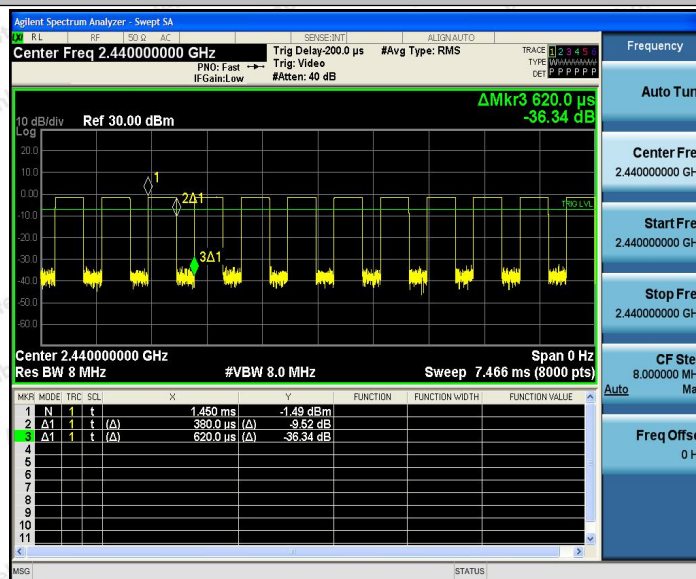
TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	0.38	0.63	0.603 2	60.32	2.20	---	PASS
		2440	0.38	0.62	0.612 9	61.29	2.13	---	PASS
		2480	0.38	0.63	0.603 2	60.32	2.20	---	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



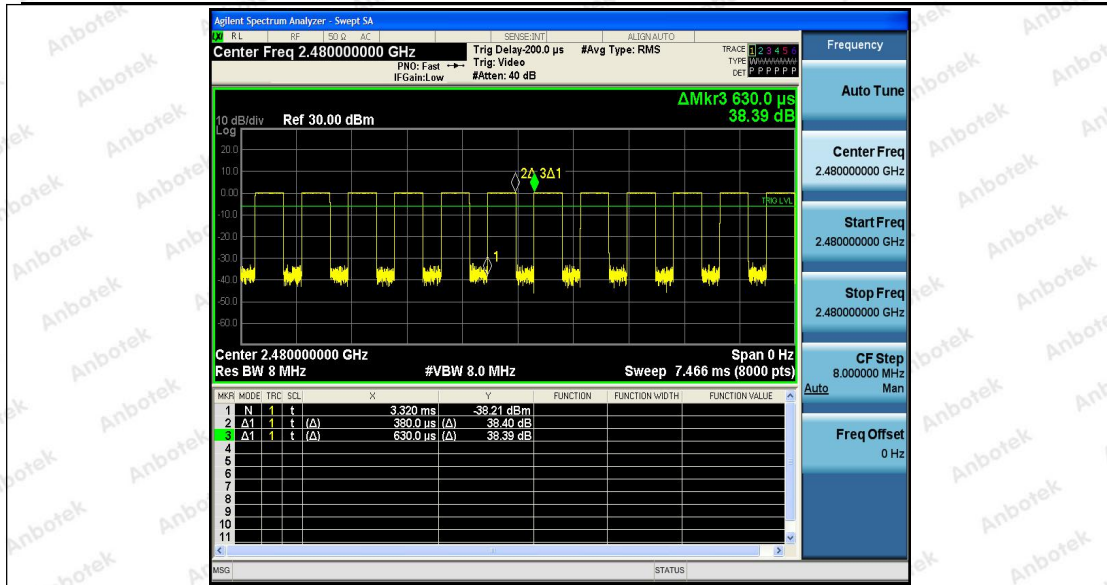
BLE_1M_Ant1_2480

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