

Appendix Test Data

Report No.:	18220WC20112002	Test Sample No.:	1-2-2
Start Test Date:	2022.5.24	Finish Test Date:	2022.5.28
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.3℃	Relative Humidity:	57.3 %
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	0.516	2401.656	2402.172	≥0.5	PASS
		2440	0.508	2439.660	2440.168	≥0.5	PASS
		2480	0.504	2479.668	2480.172	≥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	1.0178	2401.485	2402.503	---	PASS
		2440	1.0147	2439.489	2440.504	---	PASS
		2480	1.0362	2479.485	2480.521	---	PASS

Test Graphs



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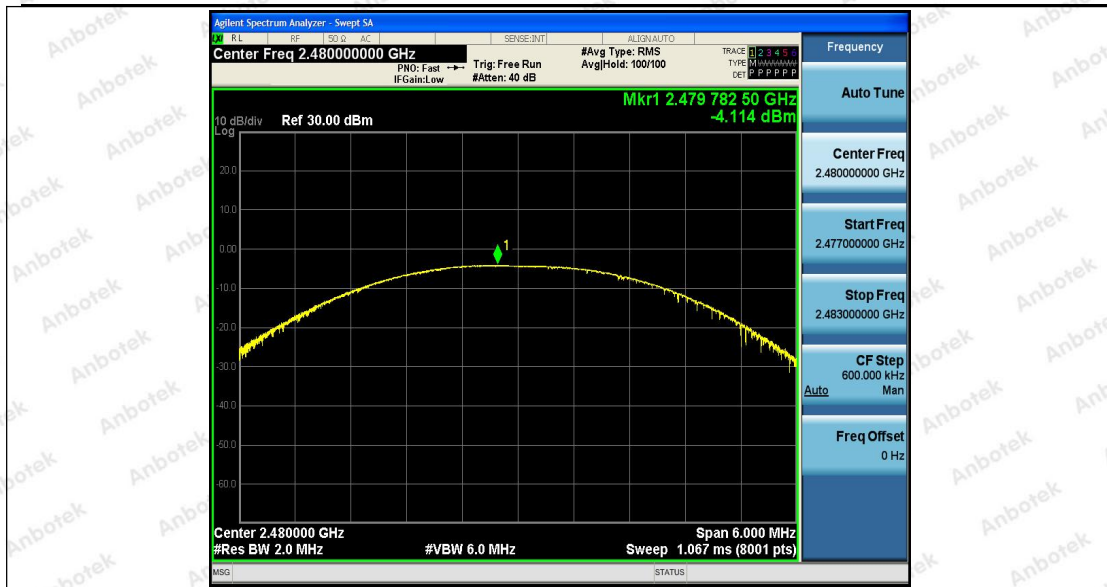
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-4.69	≤30	PASS
		2440	-3.66	≤30	PASS
		2480	-4.11	≤30	PASS



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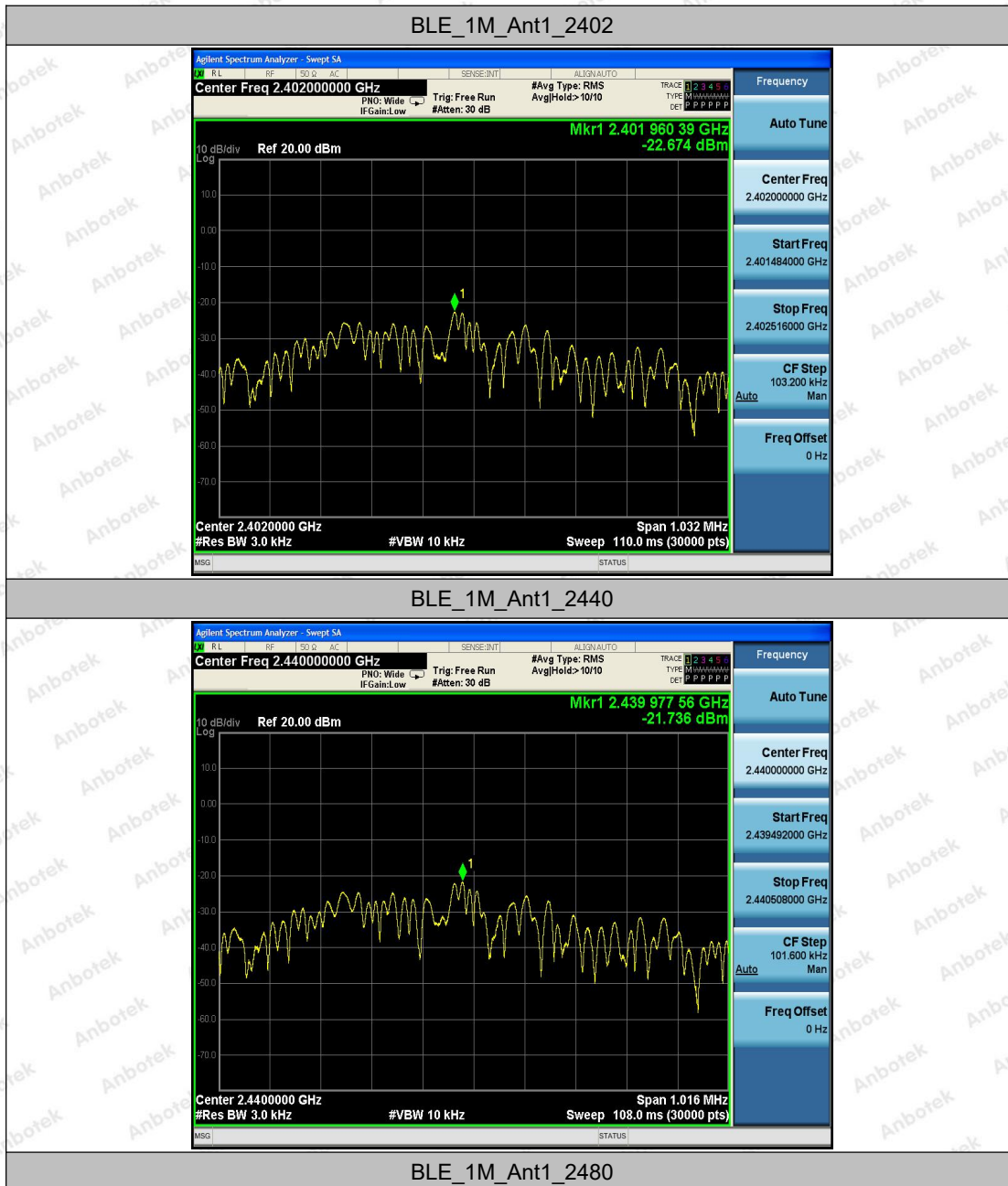
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-22.67	≤8	PASS
		2440	-21.74	≤8	PASS
		2480	-22.23	≤8	PASS

Test Graphs



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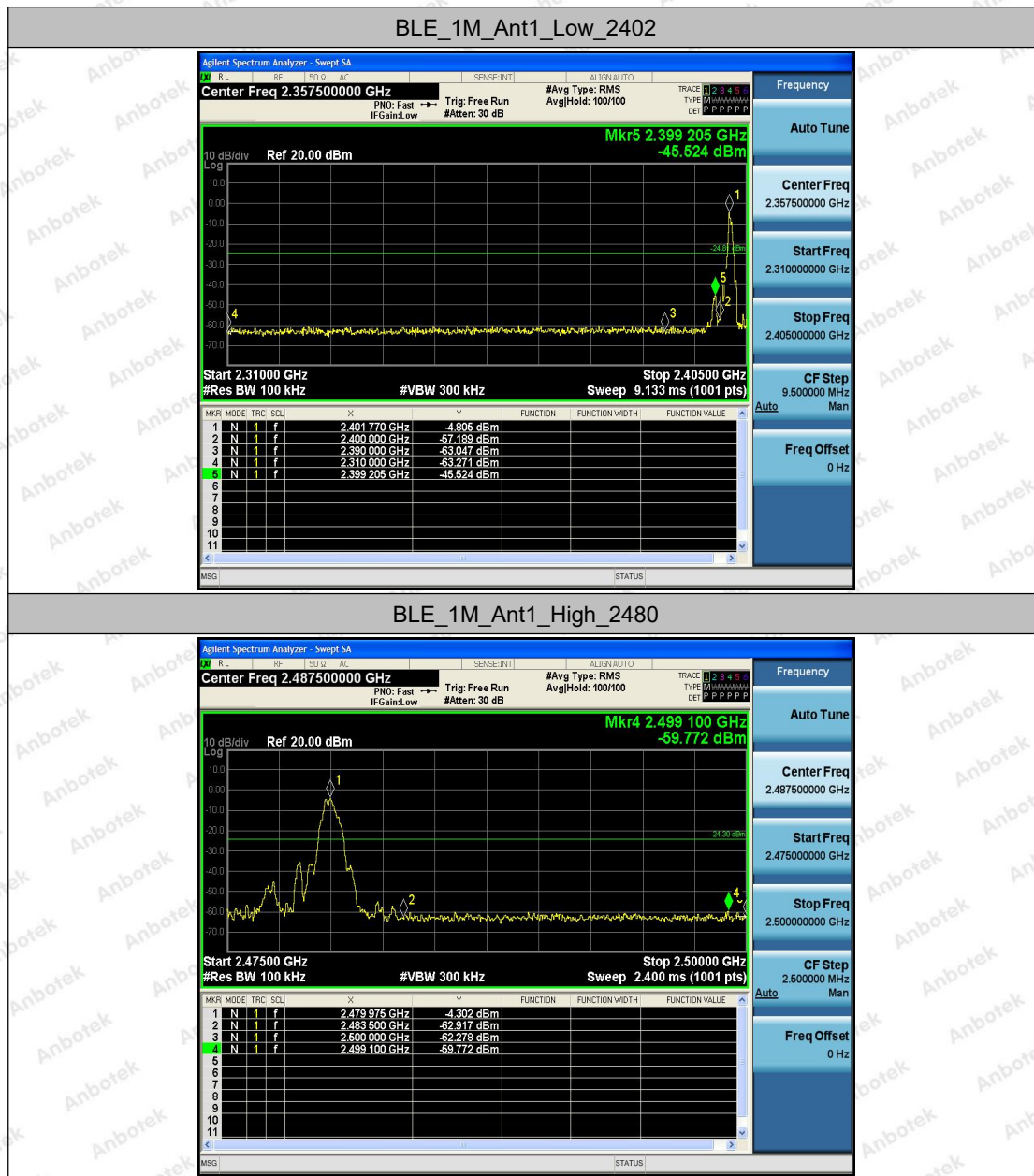
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-4.81	-45.52	≤ -24.81	PASS
		High	2480	-4.30	-59.77	≤ -24.3	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

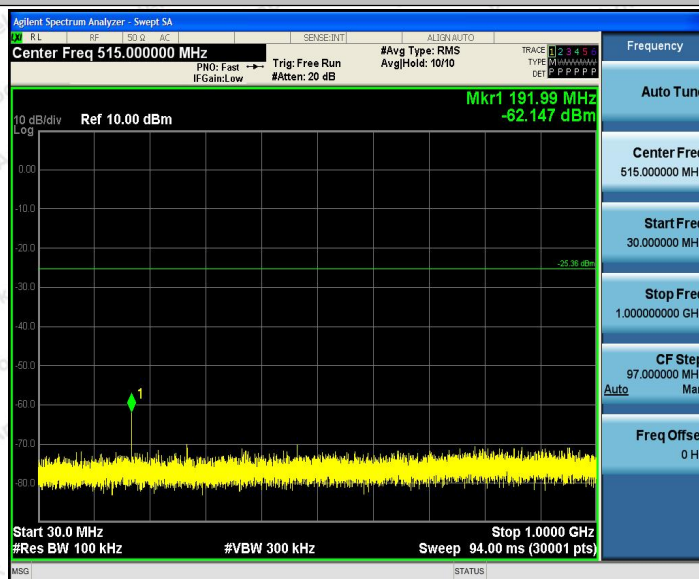
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-5.36	-5.36	---	PASS
			30~1000	-5.36	-62.15	≤ -25.36	PASS
			1000~265 00	-5.36	-44.1	≤ -25.36	PASS
		2440	Reference	-4.33	-4.33	---	PASS
			30~1000	-4.33	-61.56	≤ -24.33	PASS
			1000~265 00	-4.33	-38.68	≤ -24.33	PASS
		2480	Reference	-4.39	-4.39	---	PASS
			30~1000	-4.39	-62	≤ -24.39	PASS
			1000~265 00	-4.39	-32	≤ -24.39	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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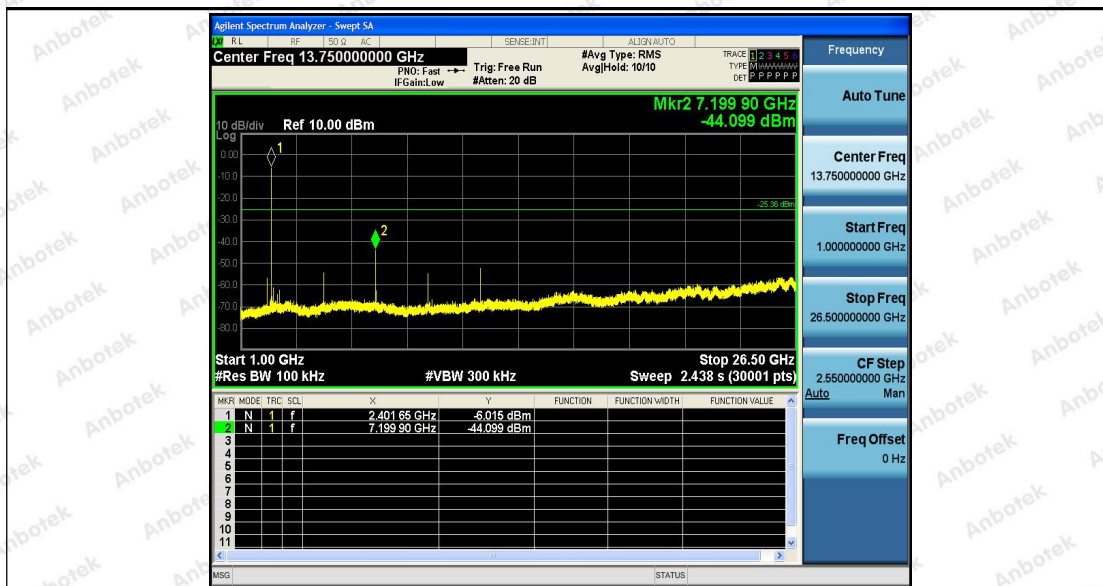
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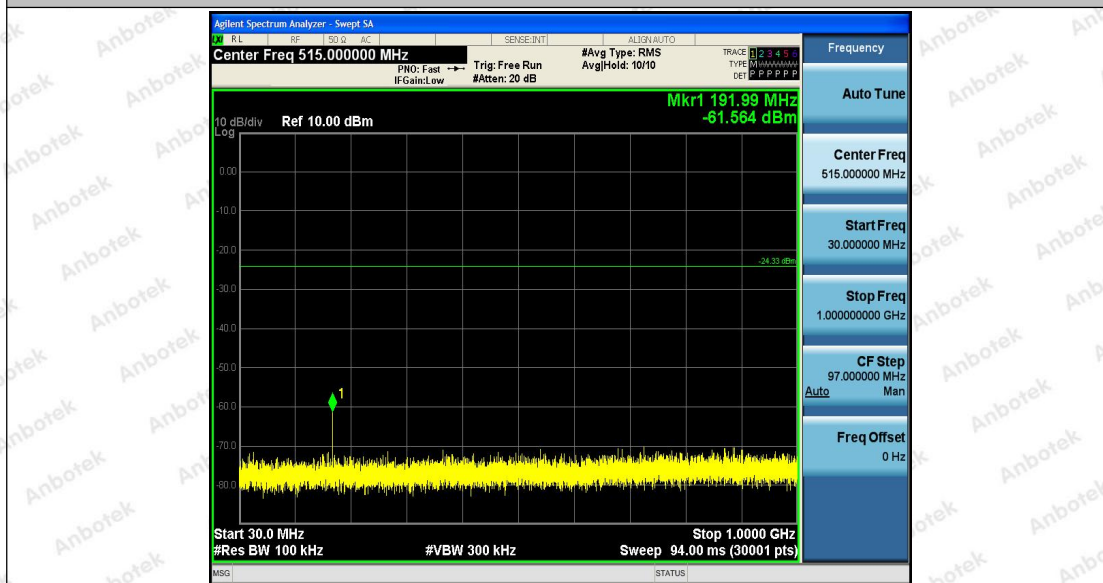
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



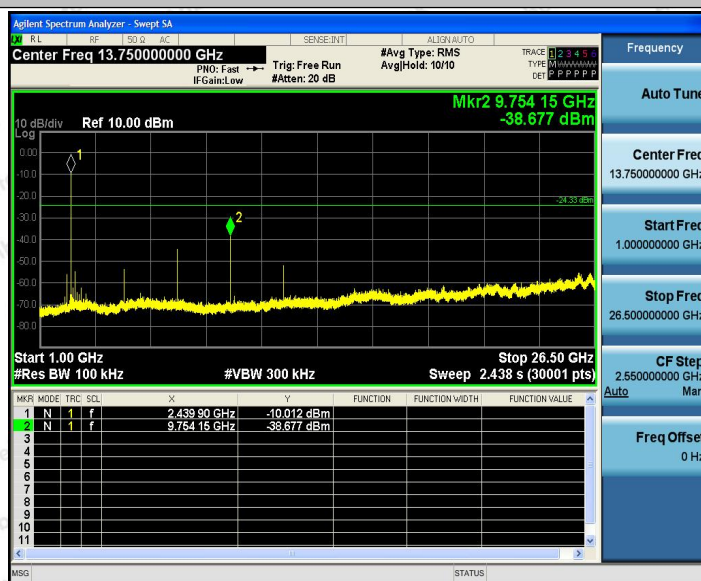
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



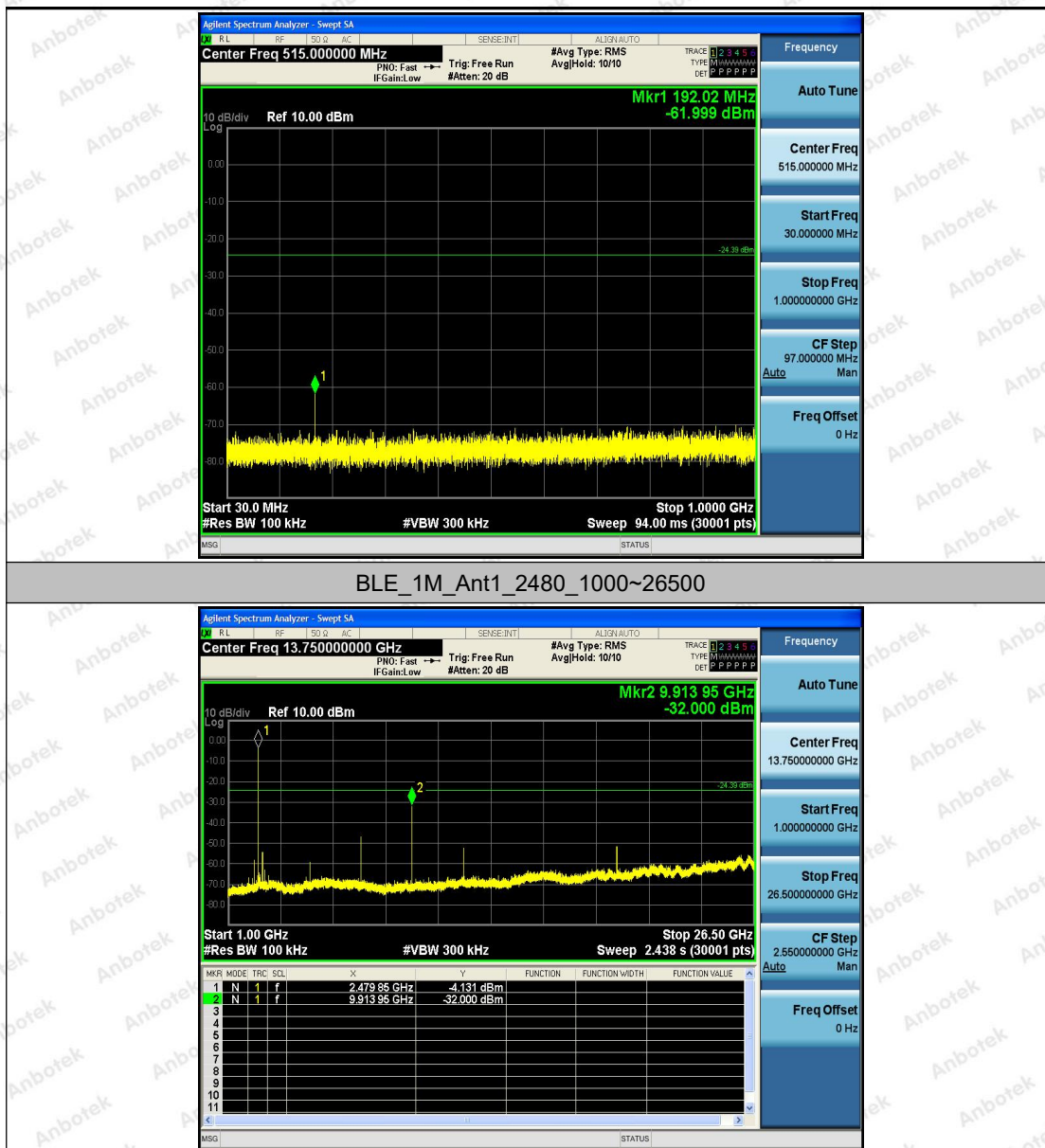
BLE_1M_Ant1_2480_30~1000

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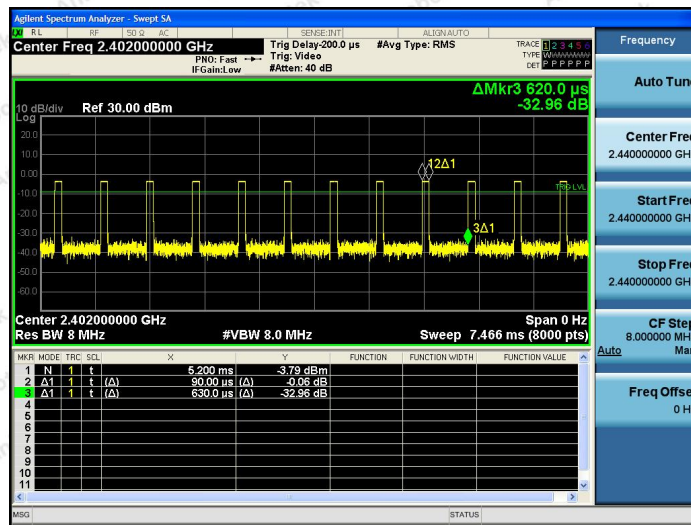
Appendix G: Duty Cycle

Test Result

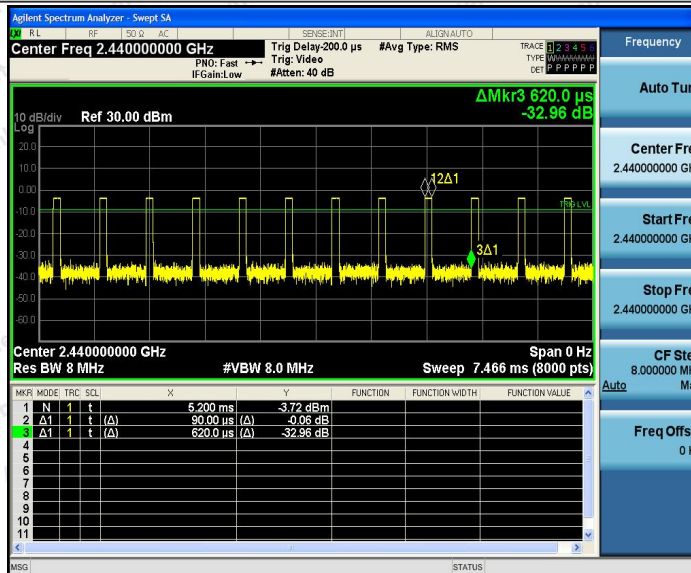
TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	0.09	0.63	0.142 9	14.29	8.45	---	PASS
		2440	0.09	0.62	0.145 2	14.52	8.38	---	PASS
		2480	0.10	0.63	0.158 7	15.87	7.99	---	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



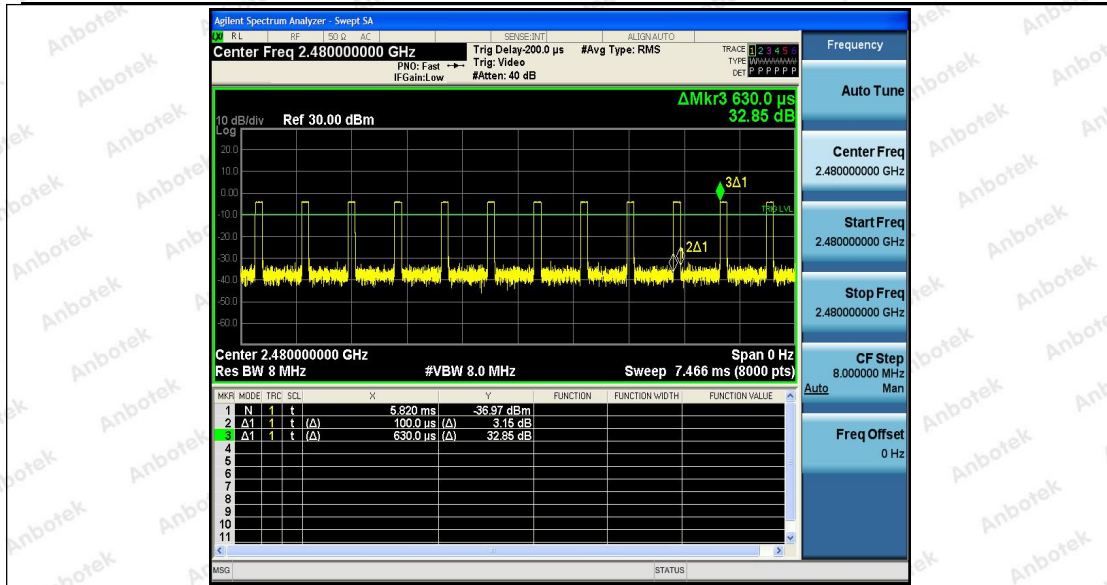
BLE_1M_Ant1_2480

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