

Appendix Test Data

Report No.:	18220WC10187201	Test Date:	2021.8.25
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

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.620	2401.688	2402.308	≥0.5	PASS
		2440	0.580	2439.696	2440.276	≥0.5	PASS
		2480	0.544	2479.696	2480.240	≥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	1.0403	2401.473	2402.513	---	PASS
		2440	1.0389	2439.471	2440.510	---	PASS
		2480	1.0403	2479.473	2480.514	---	PASS

Test Graphs



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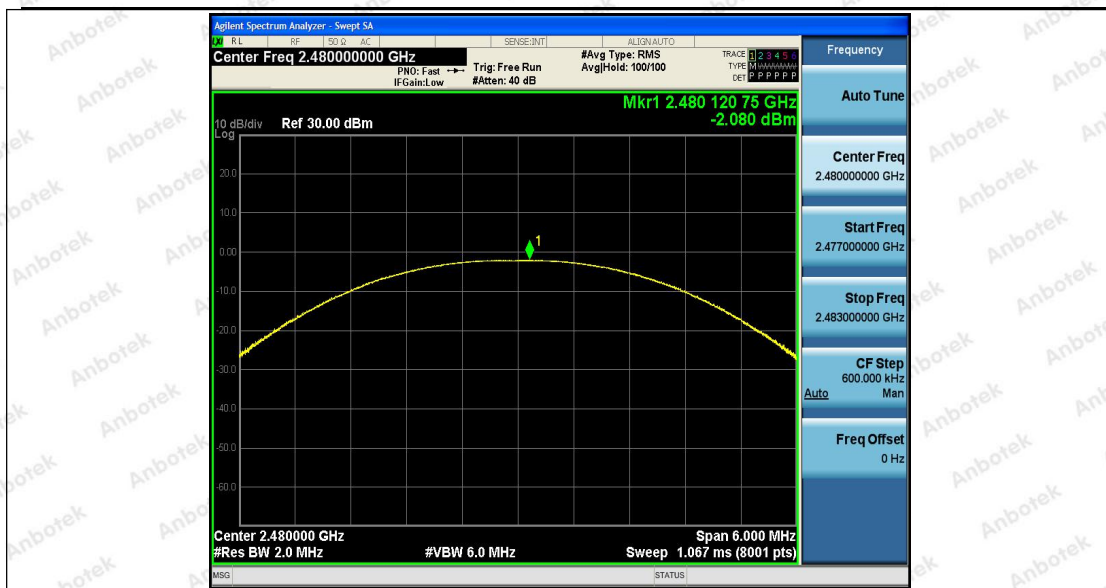
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.72	≤30	PASS
		2440	-1.98	≤30	PASS
		2480	-2.08	≤30	PASS



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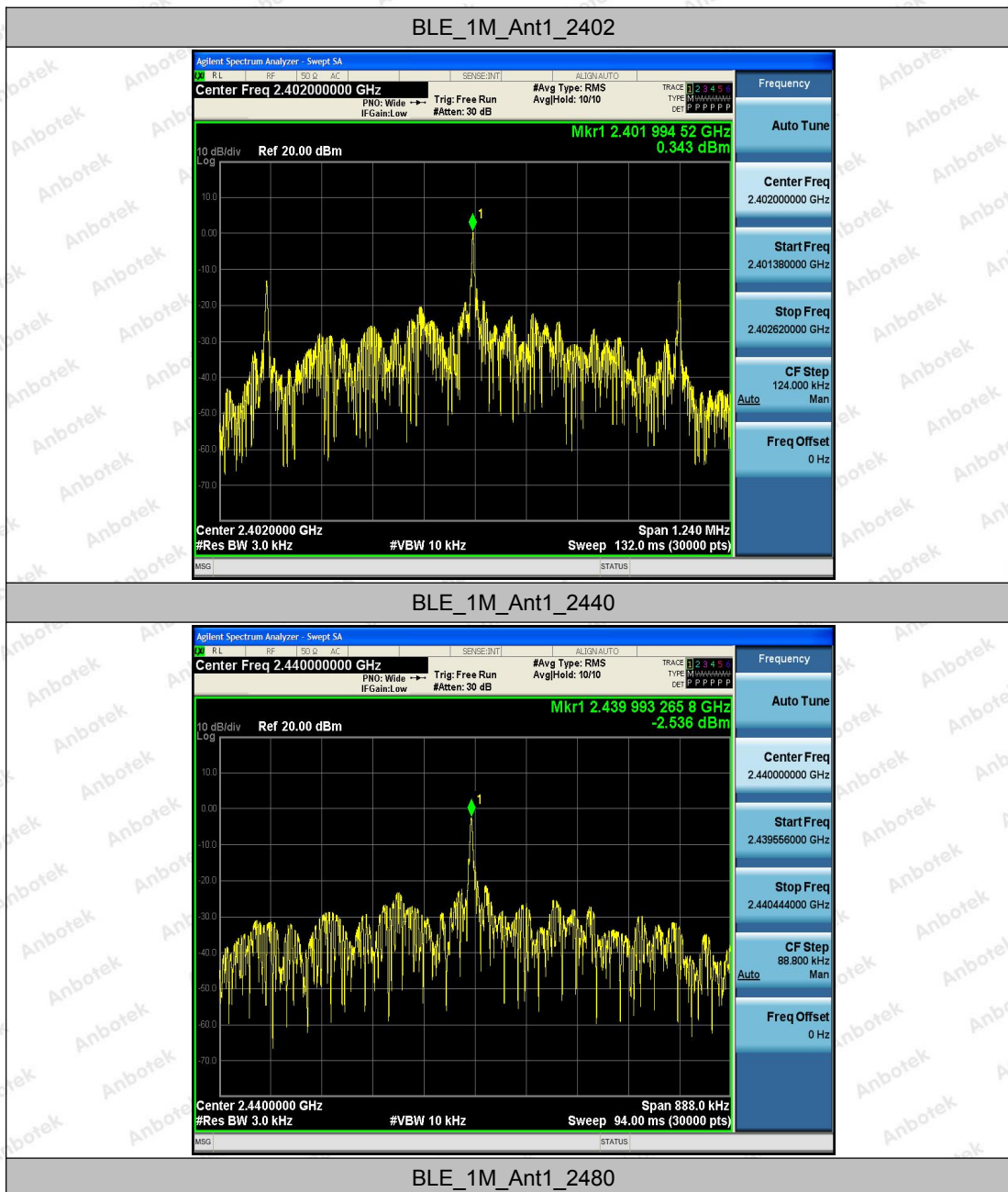
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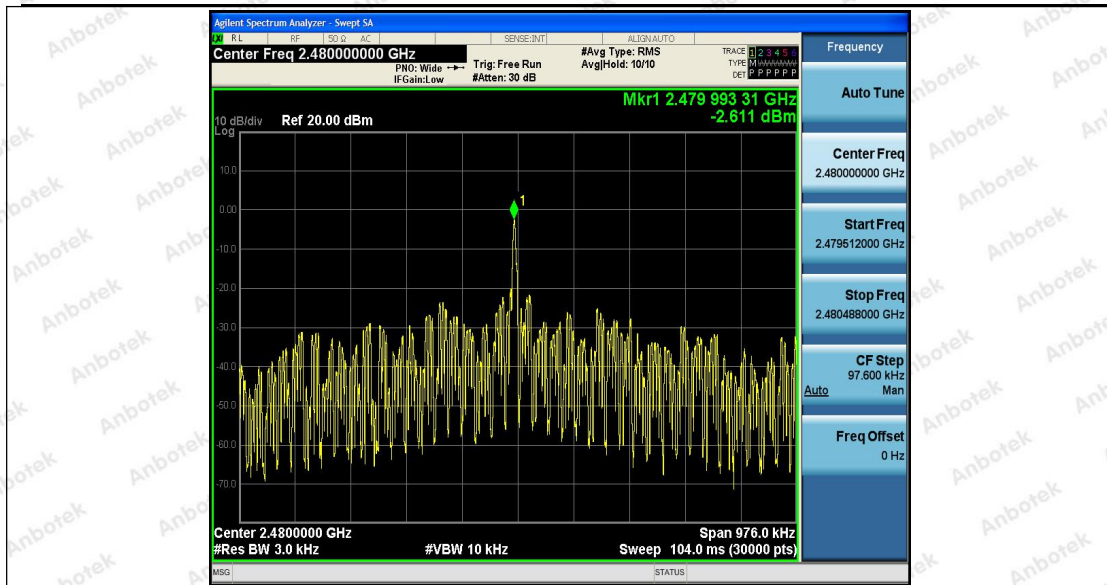
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	0.34	≤8	PASS
		2440	-2.54	≤8	PASS
		2480	-2.61	≤8	PASS

Test Graphs





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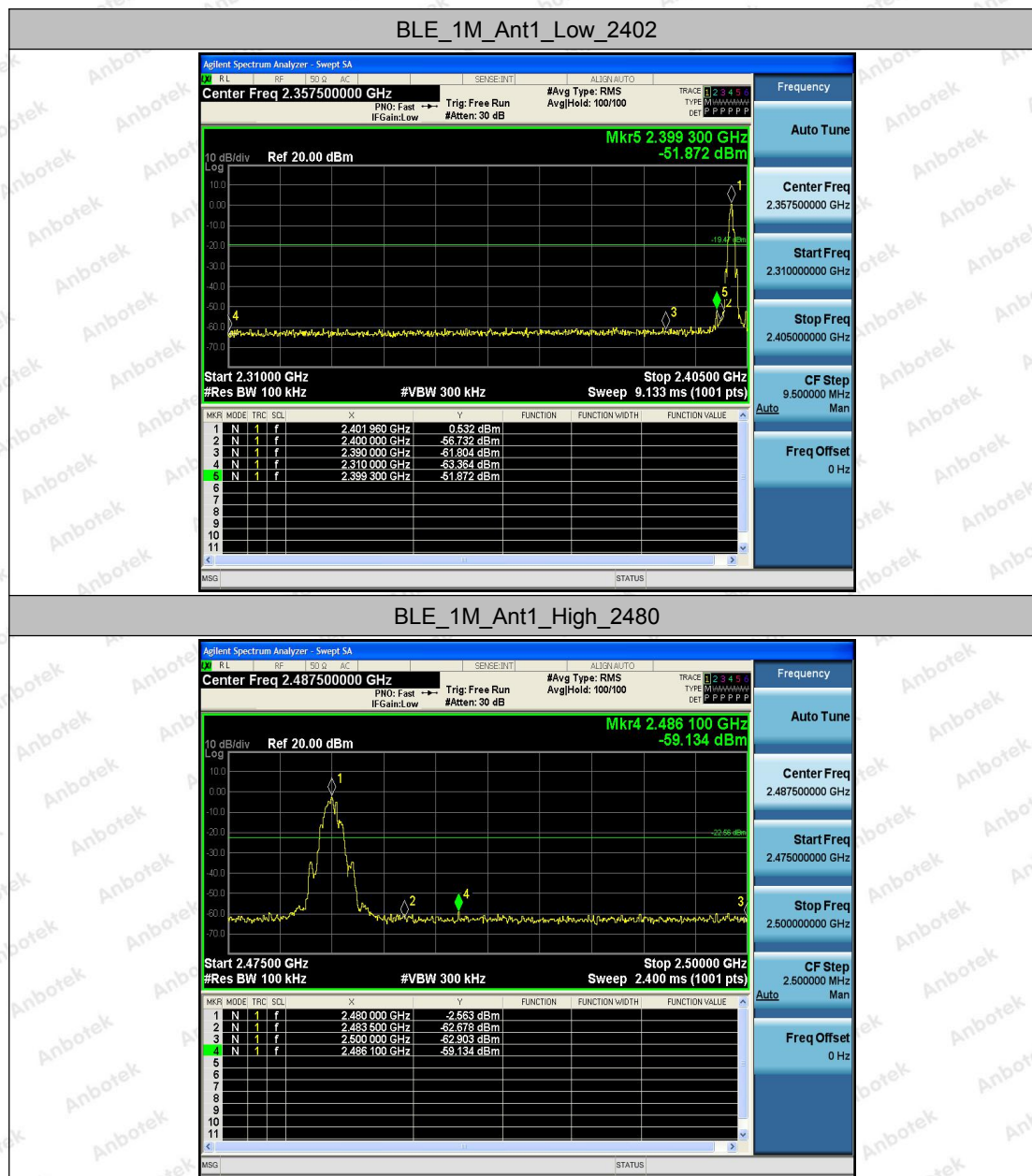
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.53	-51.87	≤ -19.47	PASS
		High	2480	-2.56	-59.13	≤ -22.56	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

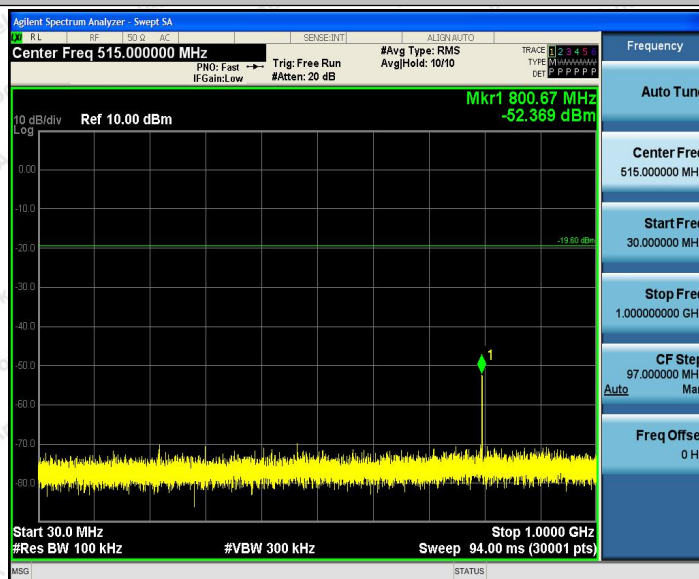
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	0.40	0.40	---	PASS
			30~1000	0.40	-52.37	≤-19.6	PASS
			1000~265 00	0.40	-45.45	≤-19.6	PASS
		2440	Reference	-2.49	-2.49	---	PASS
			30~1000	-2.49	-52.67	≤-22.49	PASS
			1000~265 00	-2.49	-46.49	≤-22.49	PASS
		2480	Reference	-2.55	-2.55	---	PASS
			30~1000	-2.55	-52.72	≤-22.55	PASS
			1000~265 00	-2.55	-46.6	≤-22.55	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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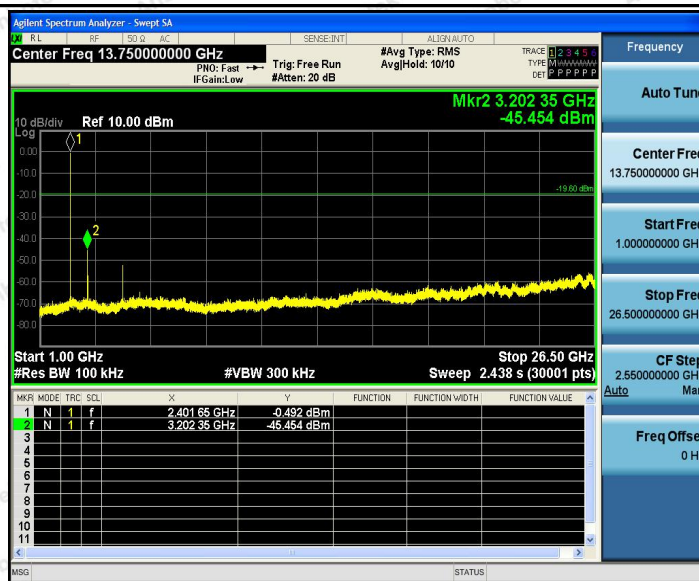
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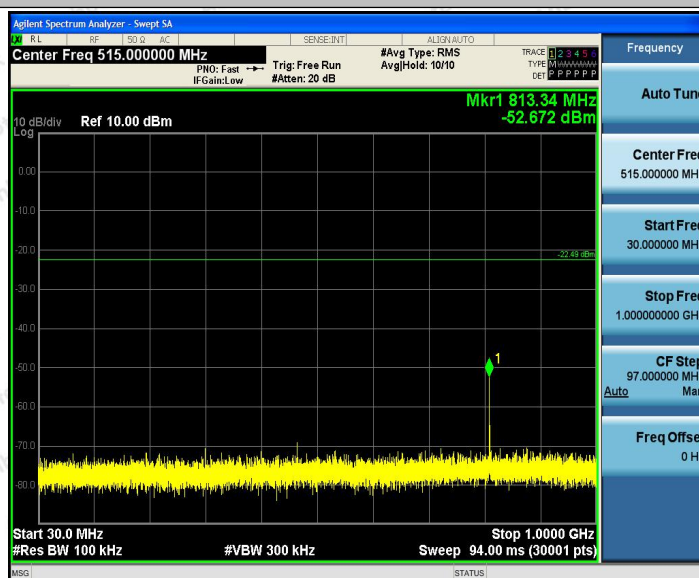
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



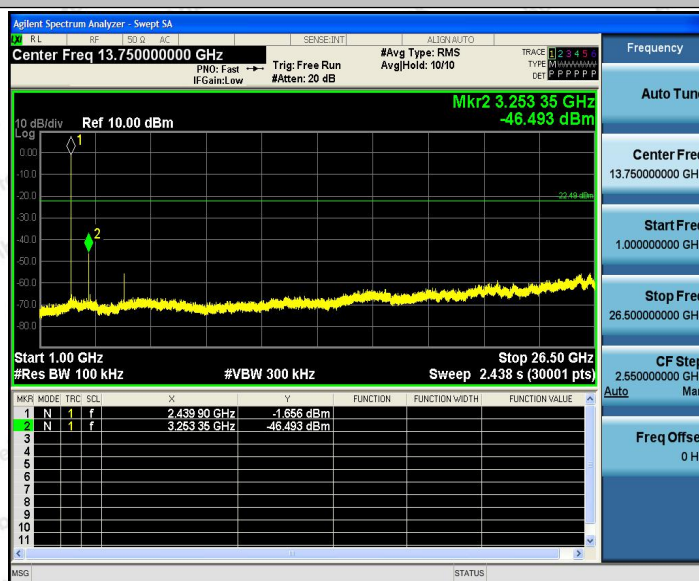
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



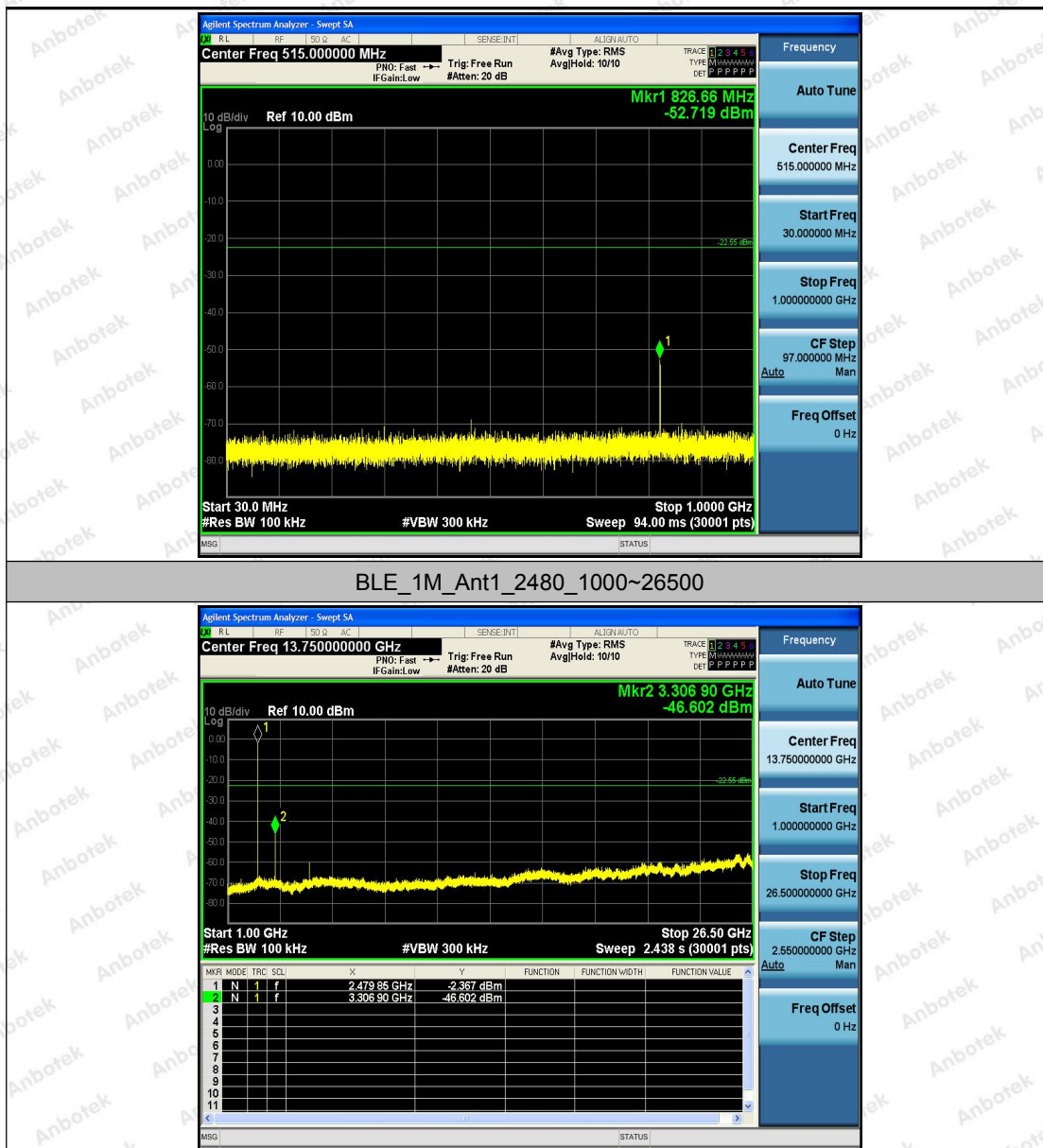
BLE_1M_Ant1_2480_30~1000

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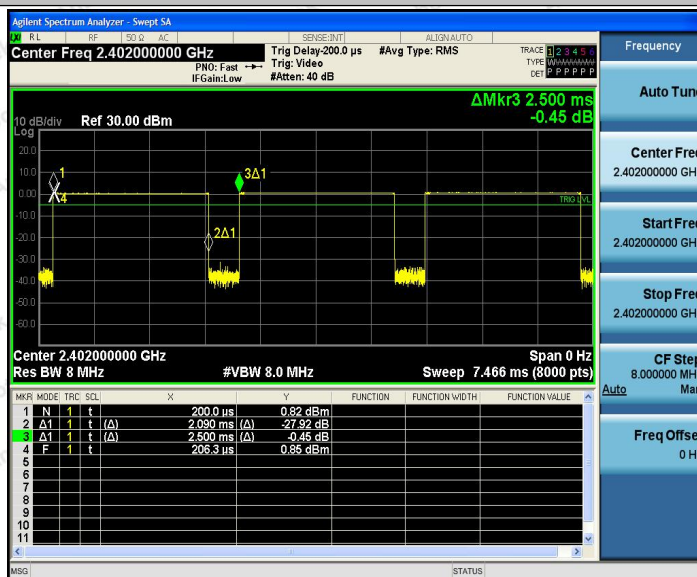
Appendix G: Duty Cycle

Test Result

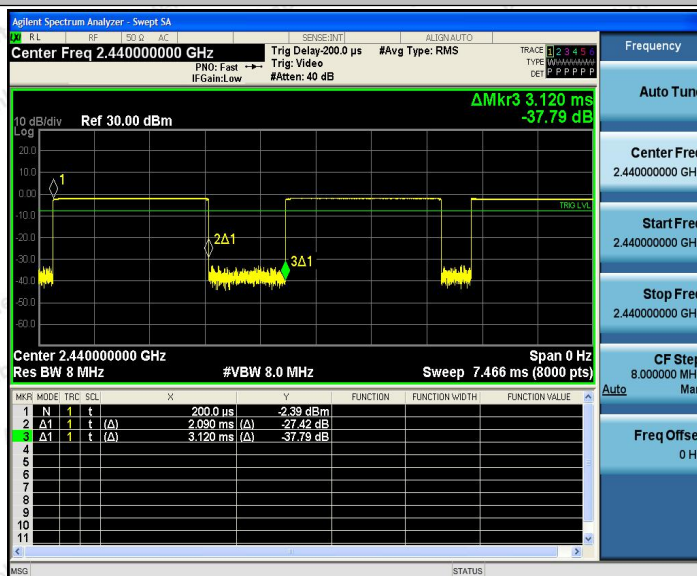
TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	2.09	2.50	0.836 0	83.60	0.78	---	PASS
		2440	2.09	3.12	0.669 9	66.99	1.74	---	PASS
		2480	2.09	3.12	0.669 9	66.99	1.74	---	PASS

Test Graphs

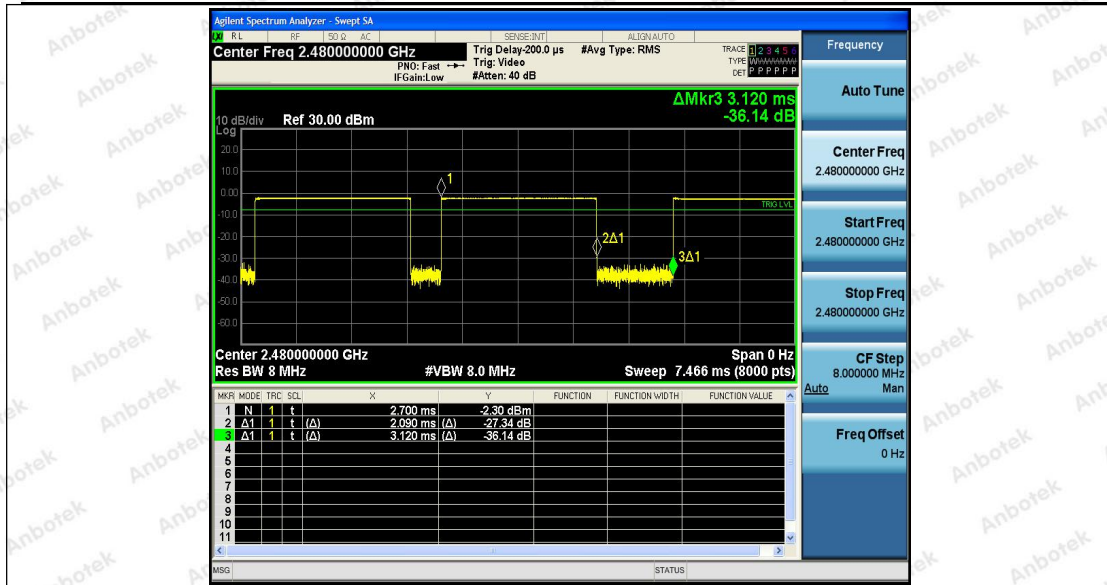
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



---End---