

Appendix Test Data

Report No.:	18220WC10257101	Test Sample No.:	1-2-2
Start Test Date:	2021.11.24	Finish Test Date:	2021.11.27
Test Engineer:	<i>Tony 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	0.624	2401.684	2402.308	≥0.5	PASS
		2440	0.652	2439.660	2440.312	≥0.5	PASS
		2480	0.692	2479.644	2480.336	≥0.5	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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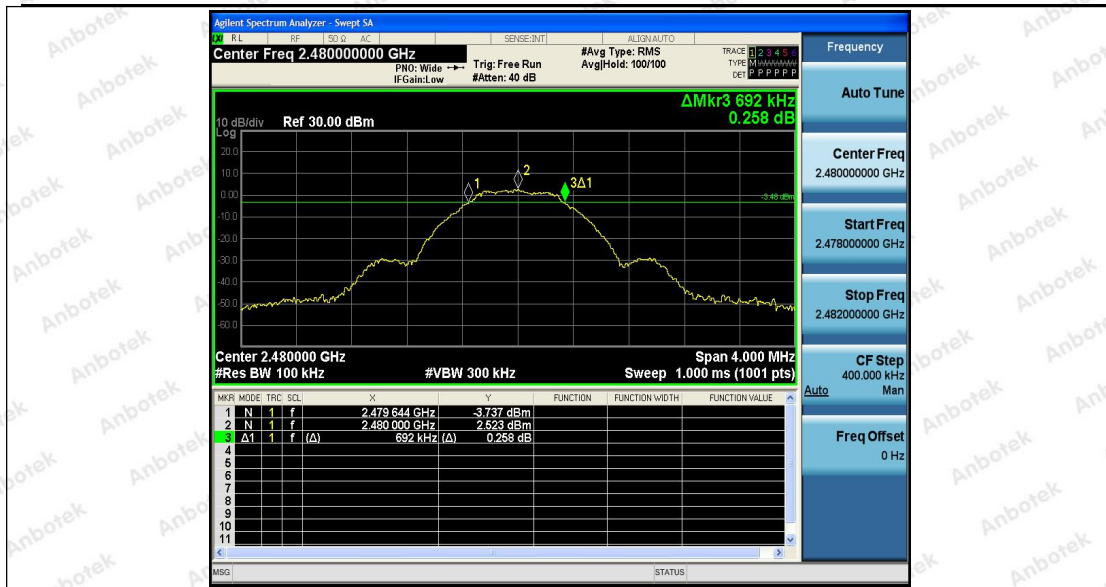
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0160	2401.485	2402.501	---	PASS
		2440	1.0096	2439.485	2440.494	---	PASS
		2480	1.0232	2479.480	2480.503	---	PASS

Test Graphs

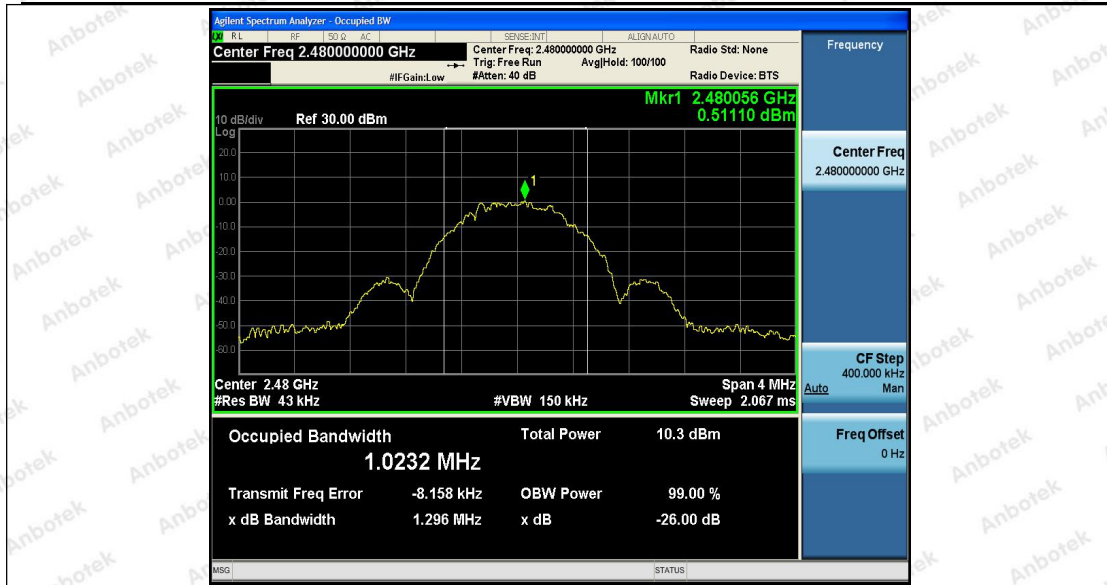


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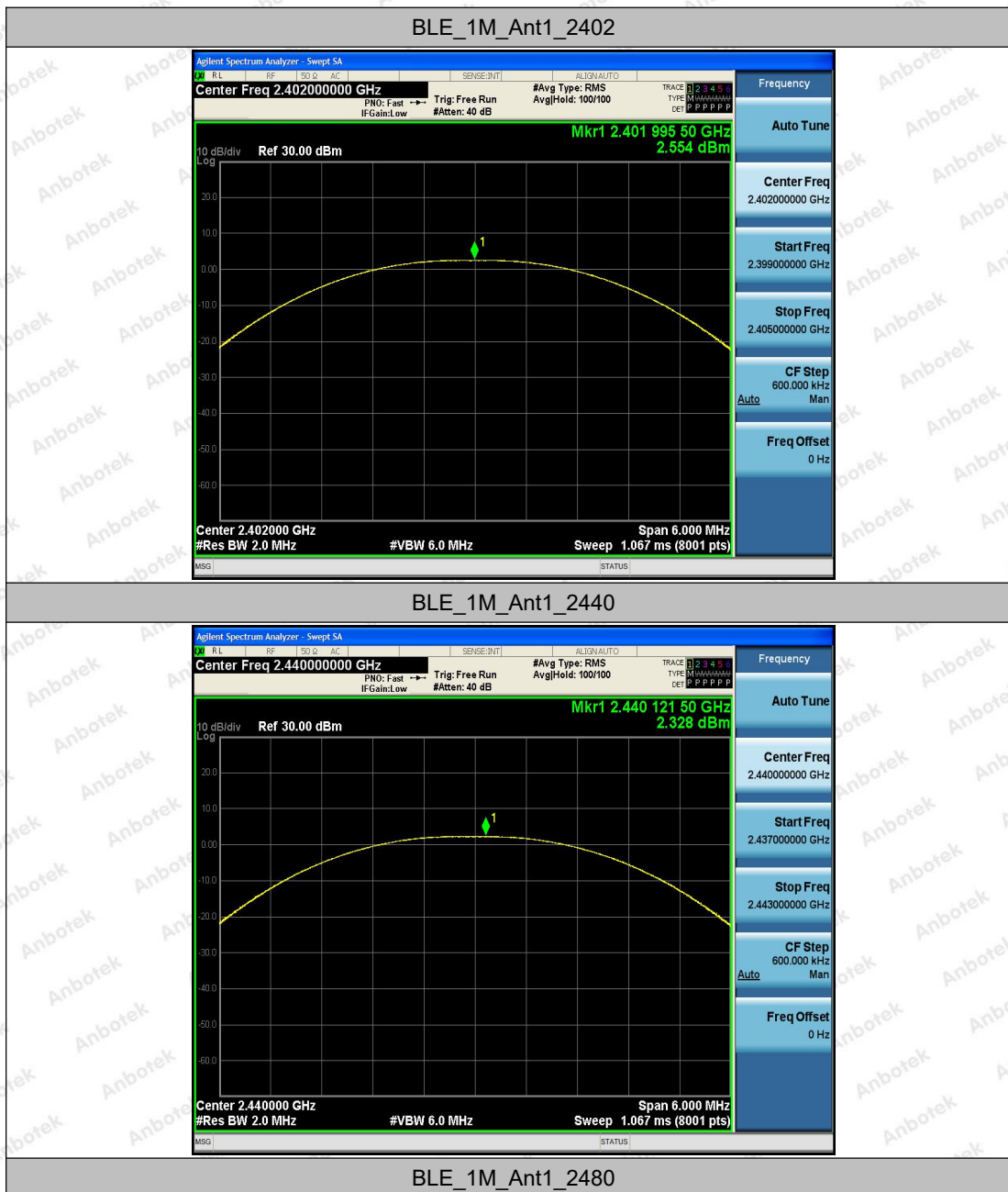
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.55	≤30	PASS
		2440	2.33	≤30	PASS
		2480	3.82	≤30	PASS

Test Graphs

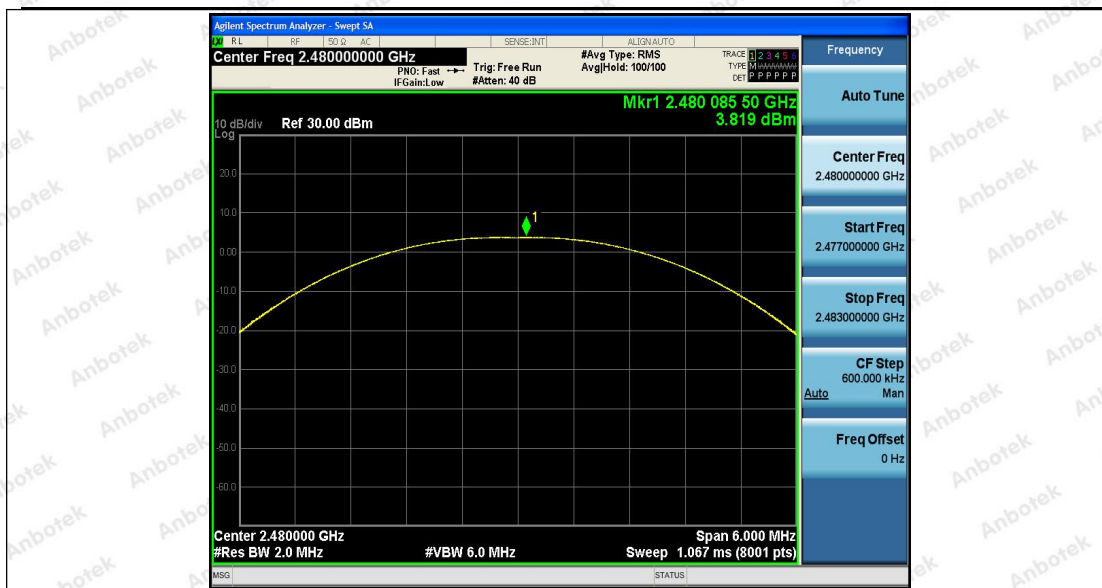


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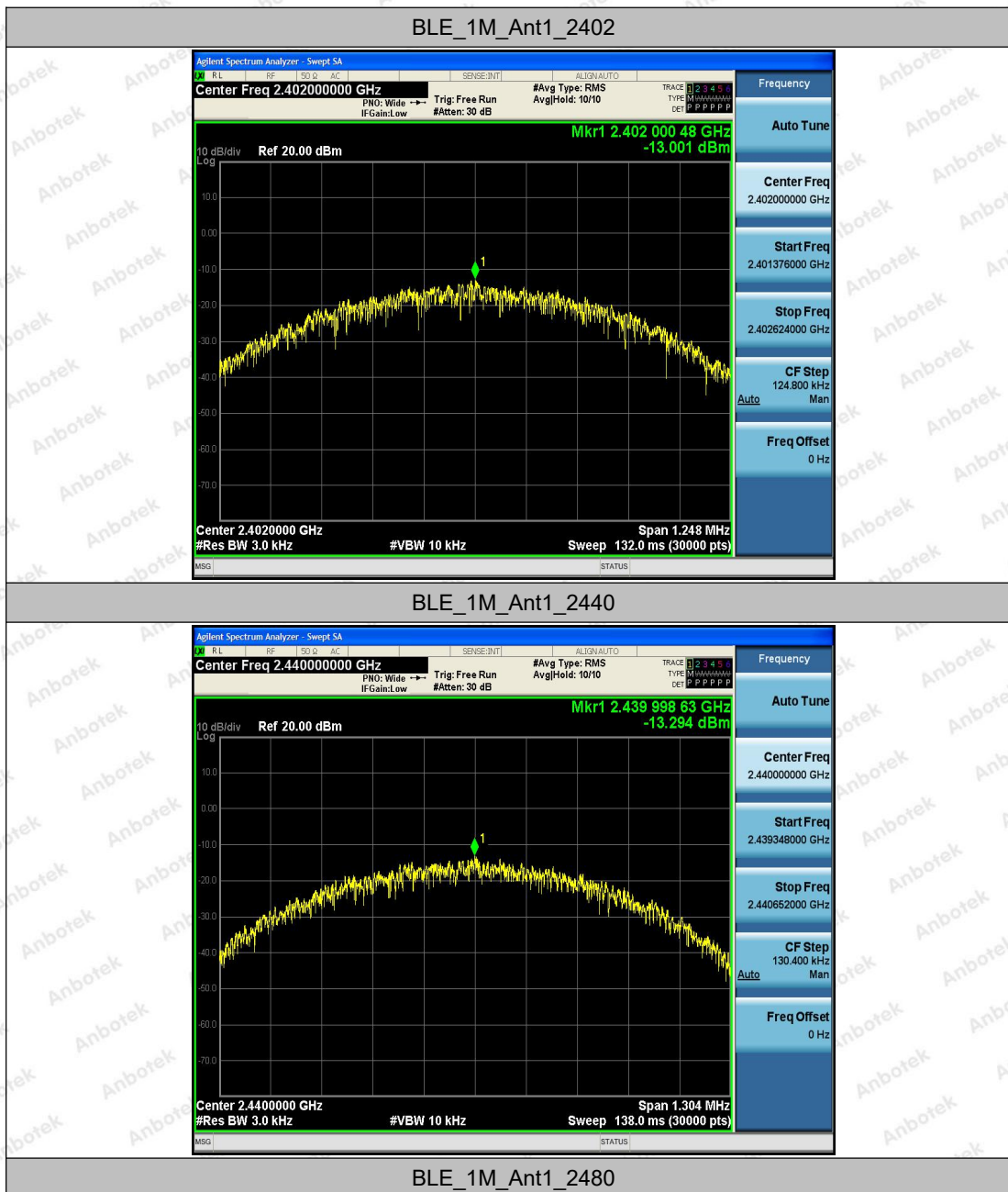
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13	≤8	PASS
		2440	-13.29	≤8	PASS
		2480	-11.93	≤8	PASS

Test Graphs

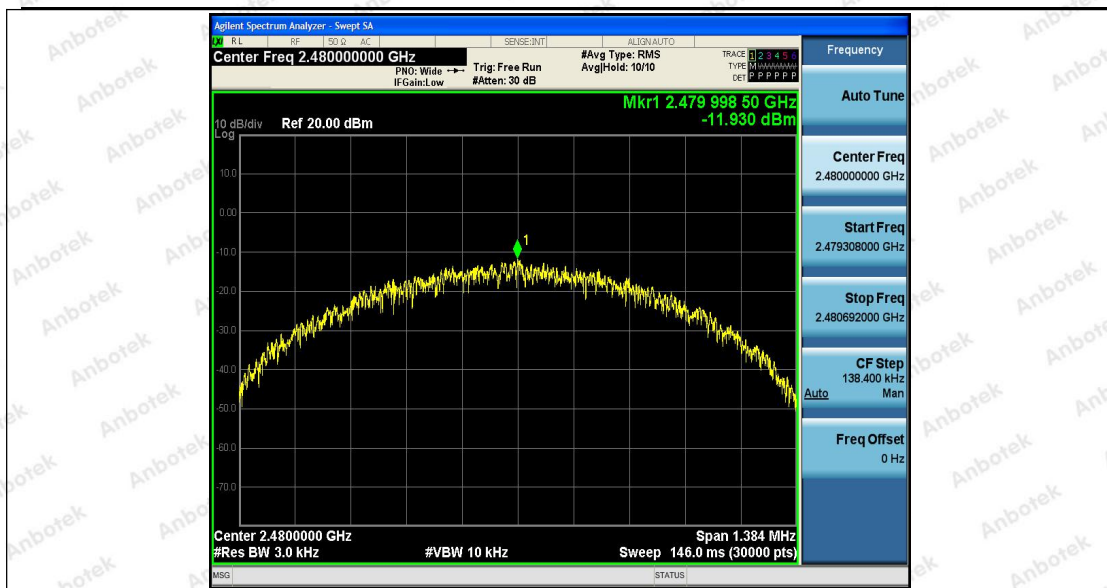


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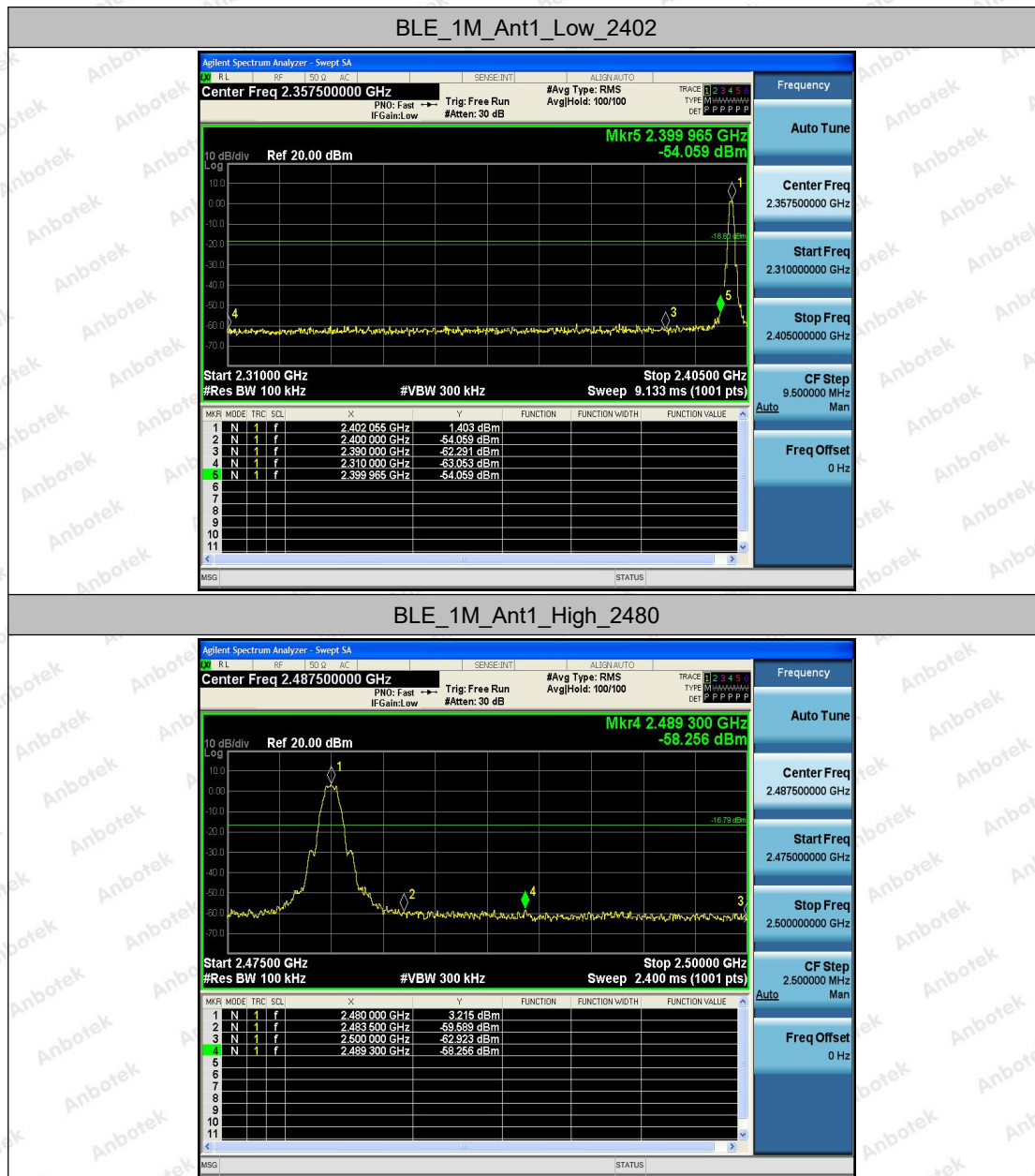
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.40	-54.06	≤-18.6	PASS
		High	2480	3.22	-58.26	≤-16.79	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

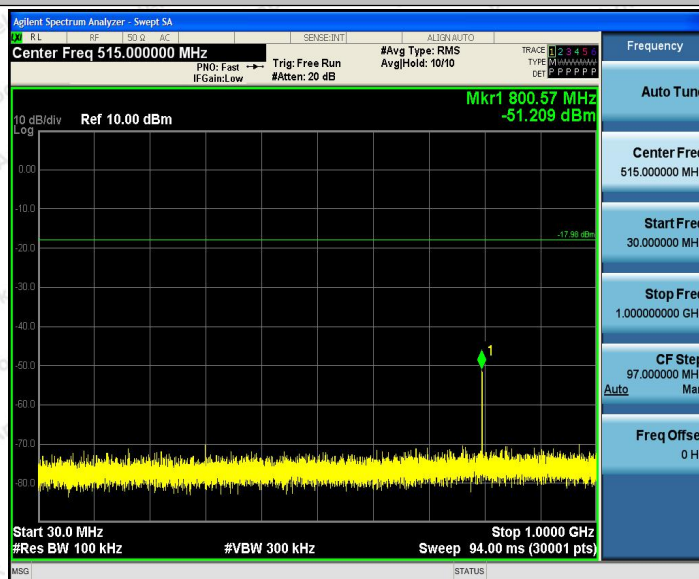
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	2.02	2.02	---	PASS
			30~1000	2.02	-51.21	≤-17.98	PASS
			1000~265 00	2.02	-39.52	≤-17.98	PASS
		2440	Reference	1.28	1.28	---	PASS
			30~1000	1.28	-50.71	≤-18.73	PASS
			1000~265 00	1.28	-38.81	≤-18.73	PASS
		2480	Reference	3.34	3.34	---	PASS
			30~1000	3.34	-49.18	≤-16.66	PASS
			1000~265 00	3.34	-38.61	≤-16.66	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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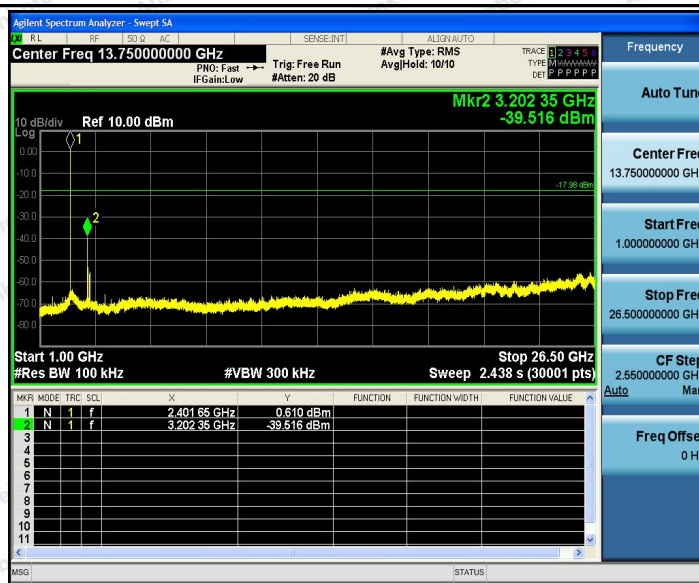
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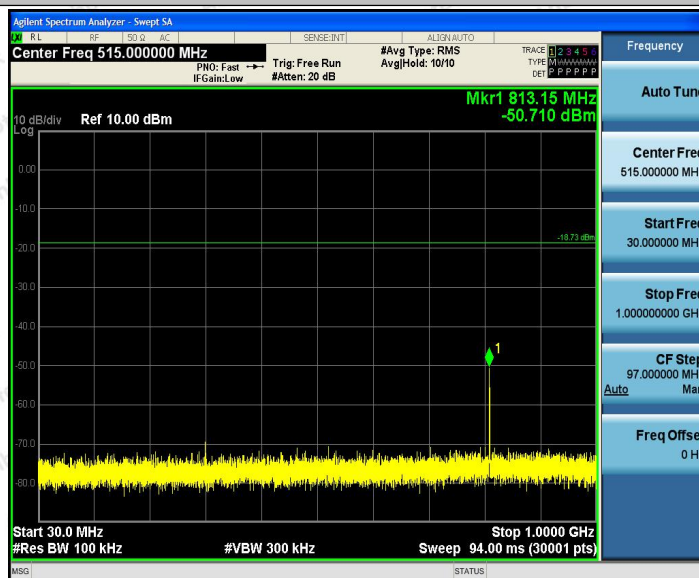
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



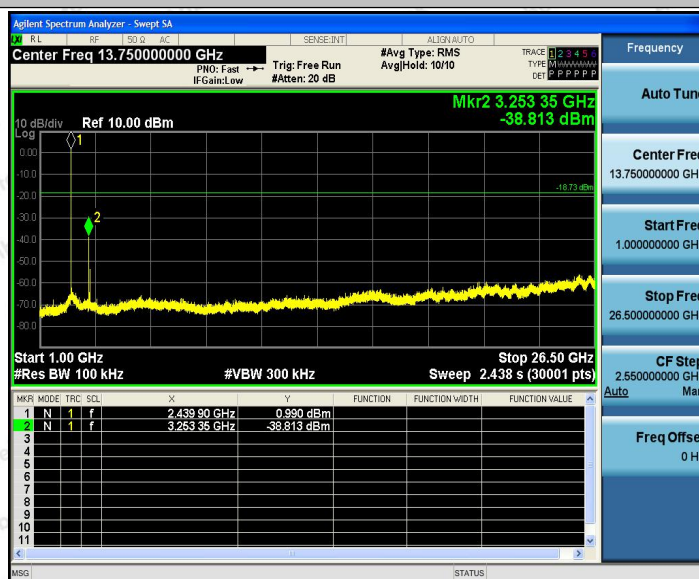
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



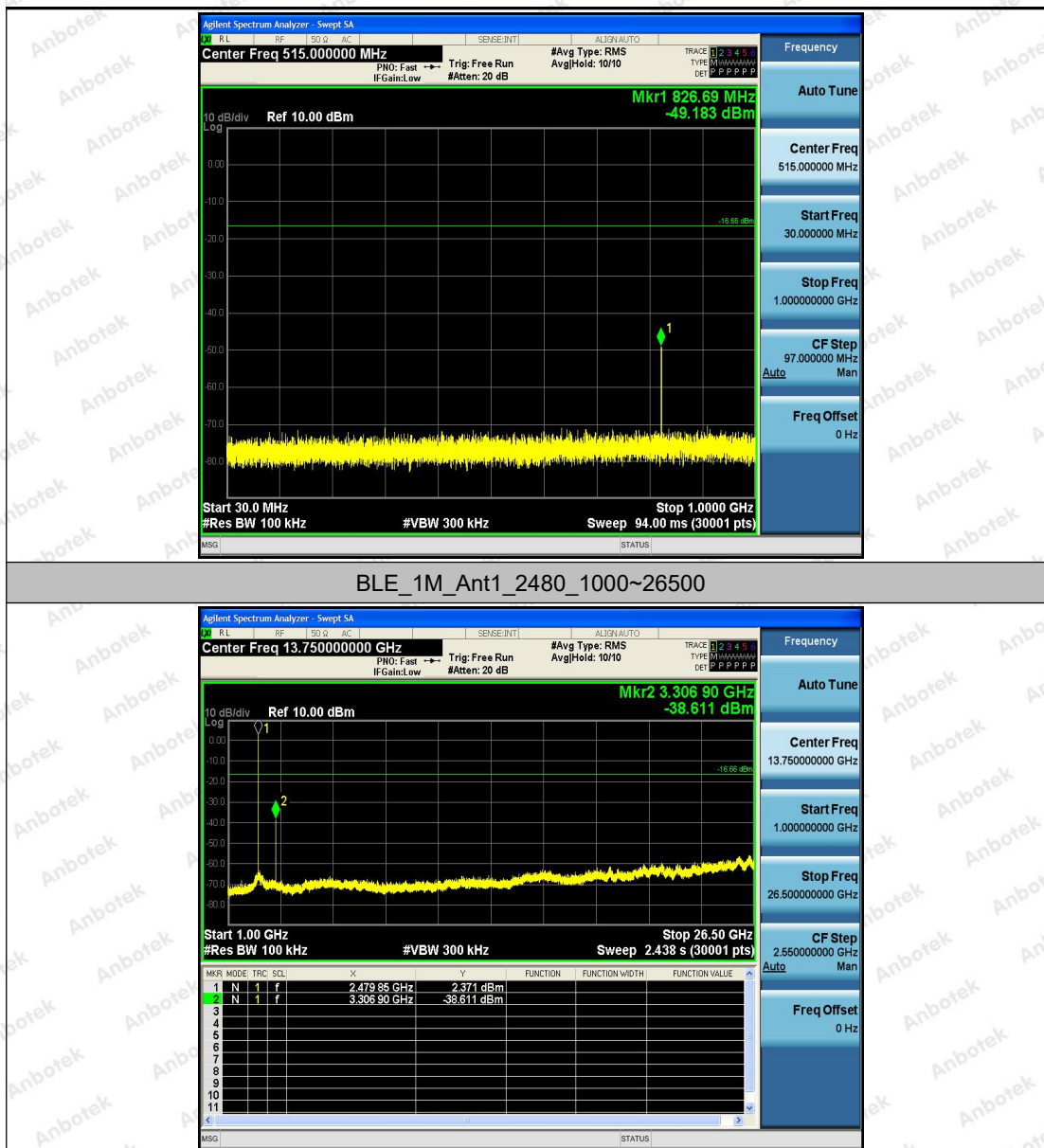
BLE_1M_Ant1_2480_30~1000

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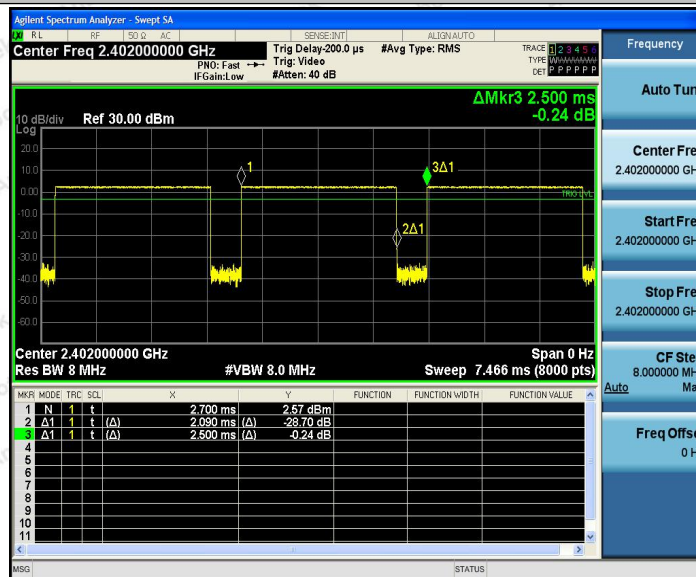
Appendix G: Duty Cycle

Test Result

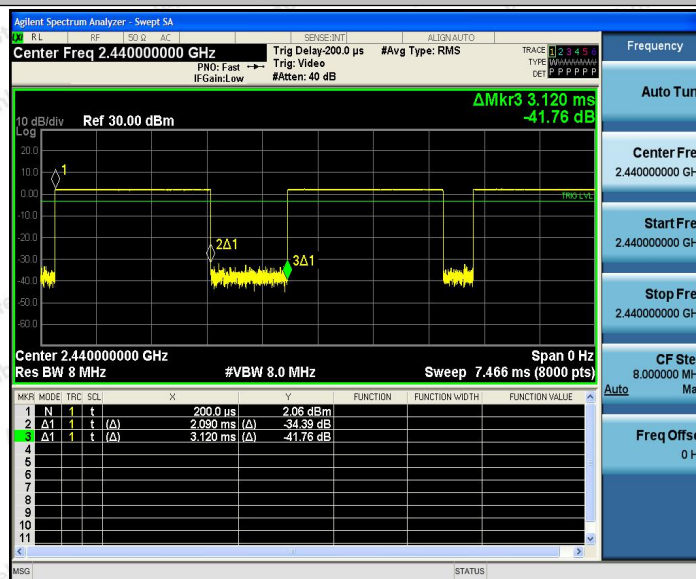
TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	2.09	2.50	0.836 0	83.60	0.78	---	PASS
		2440	2.09	3.12	0.669 9	66.99	1.74	---	PASS
		2480	2.09	3.12	0.669 9	66.99	1.74	---	PASS

Test Graphs

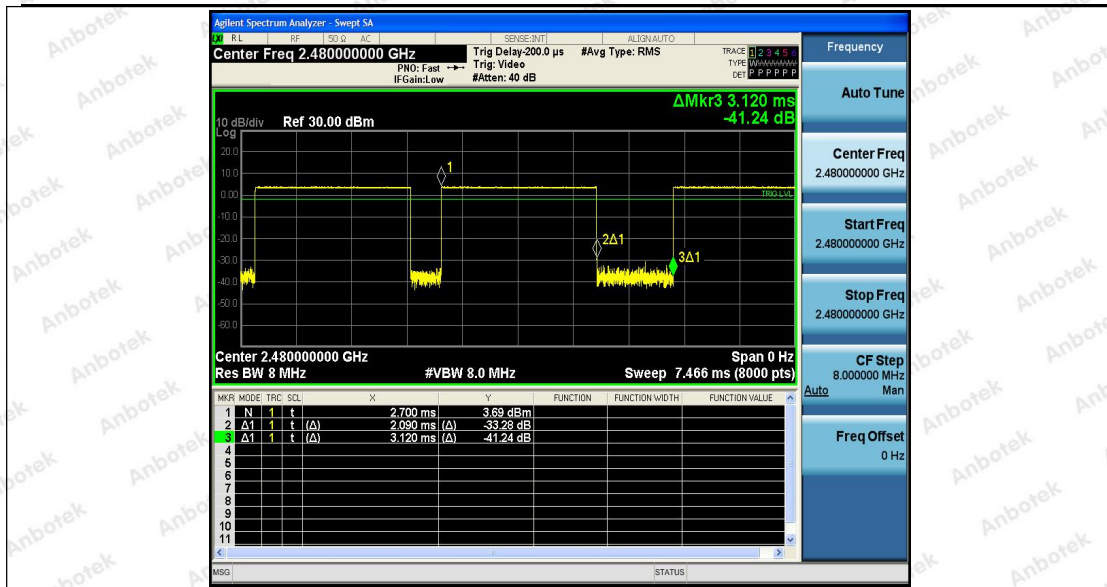
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



---End---