

Appendix Test Data

Report No.:	18220WC10197401	Test Date:	2021.9.1
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	0.684	2401.624	2402.308	≥0.5	PASS
		2440	0.616	2439.632	2440.248	≥0.5	PASS
		2480	0.688	2479.620	2480.308	≥0.5	PASS

Test Graphs



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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	1.0494	2401.468	2402.517	---	PASS
		2440	1.0394	2439.465	2440.504	---	PASS
		2480	1.0388	2479.473	2480.512	---	PASS

Test Graphs



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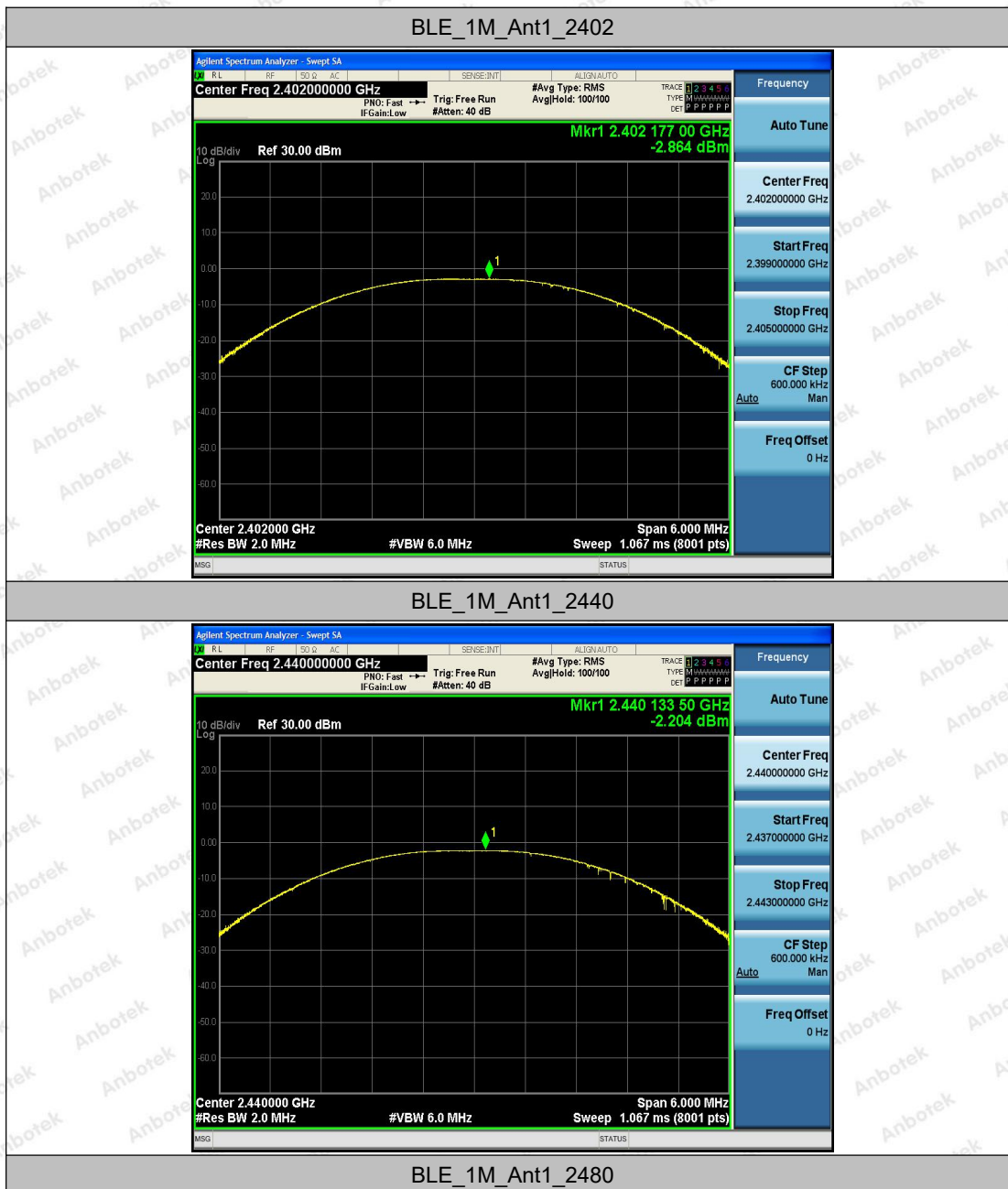
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-2.86	≤30	PASS
		2440	-2.2	≤30	PASS
		2480	-1.59	≤30	PASS

Test Graphs

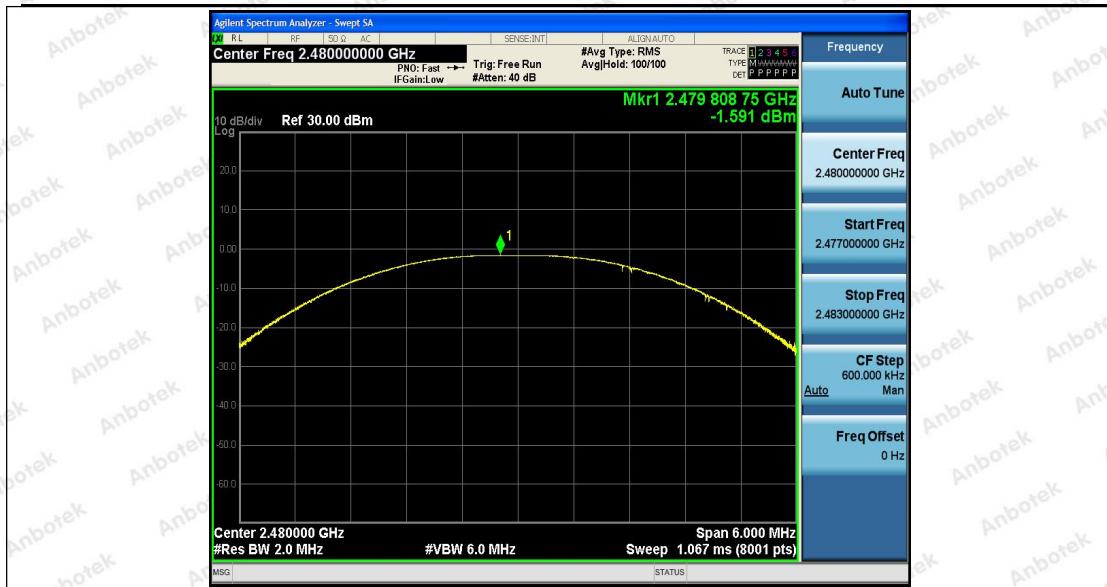


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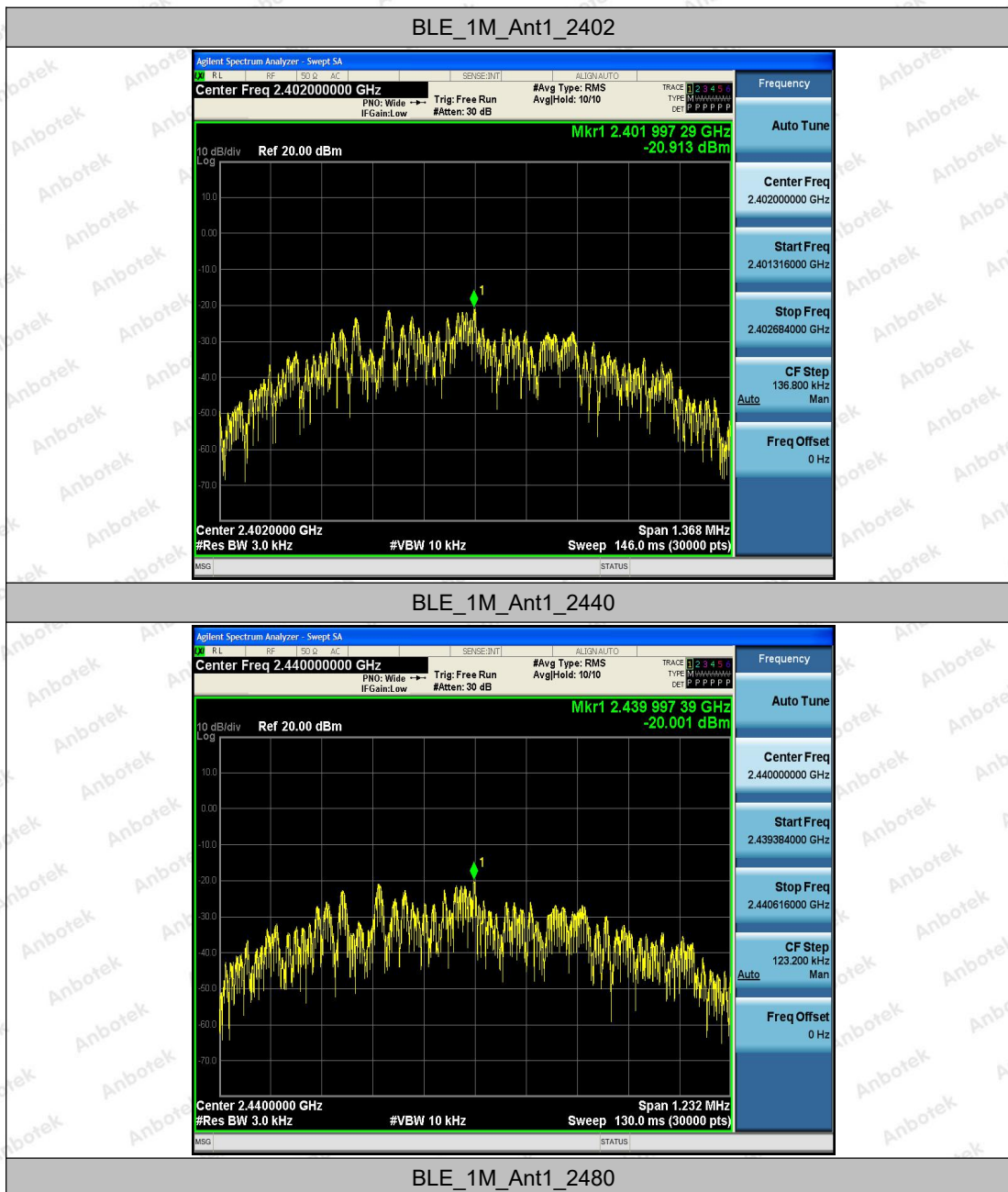
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-20.91	≤8	PASS
		2440	-20	≤8	PASS
		2480	-19.36	≤8	PASS

Test Graphs

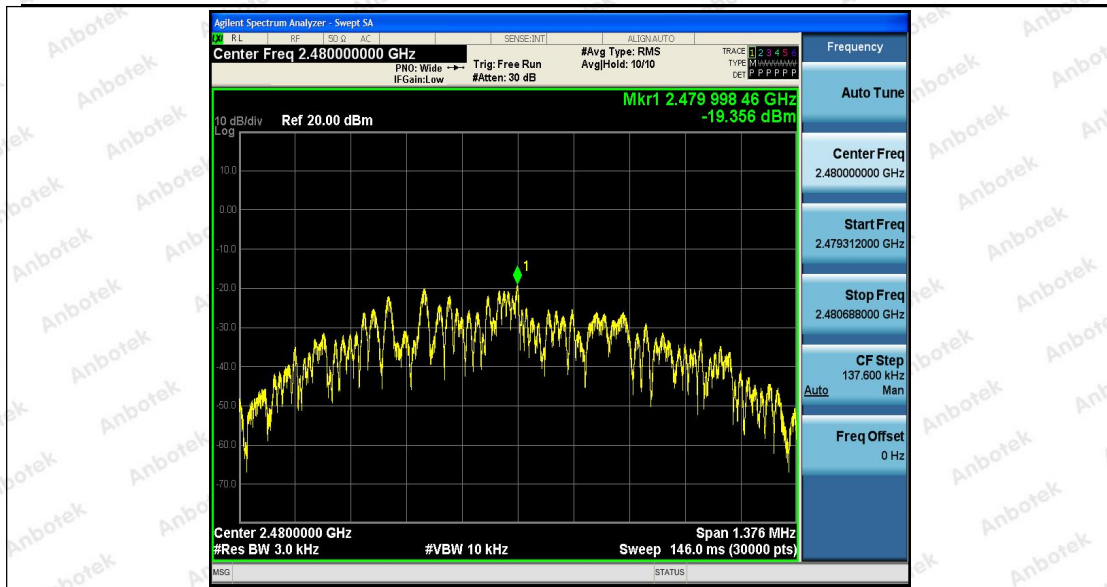


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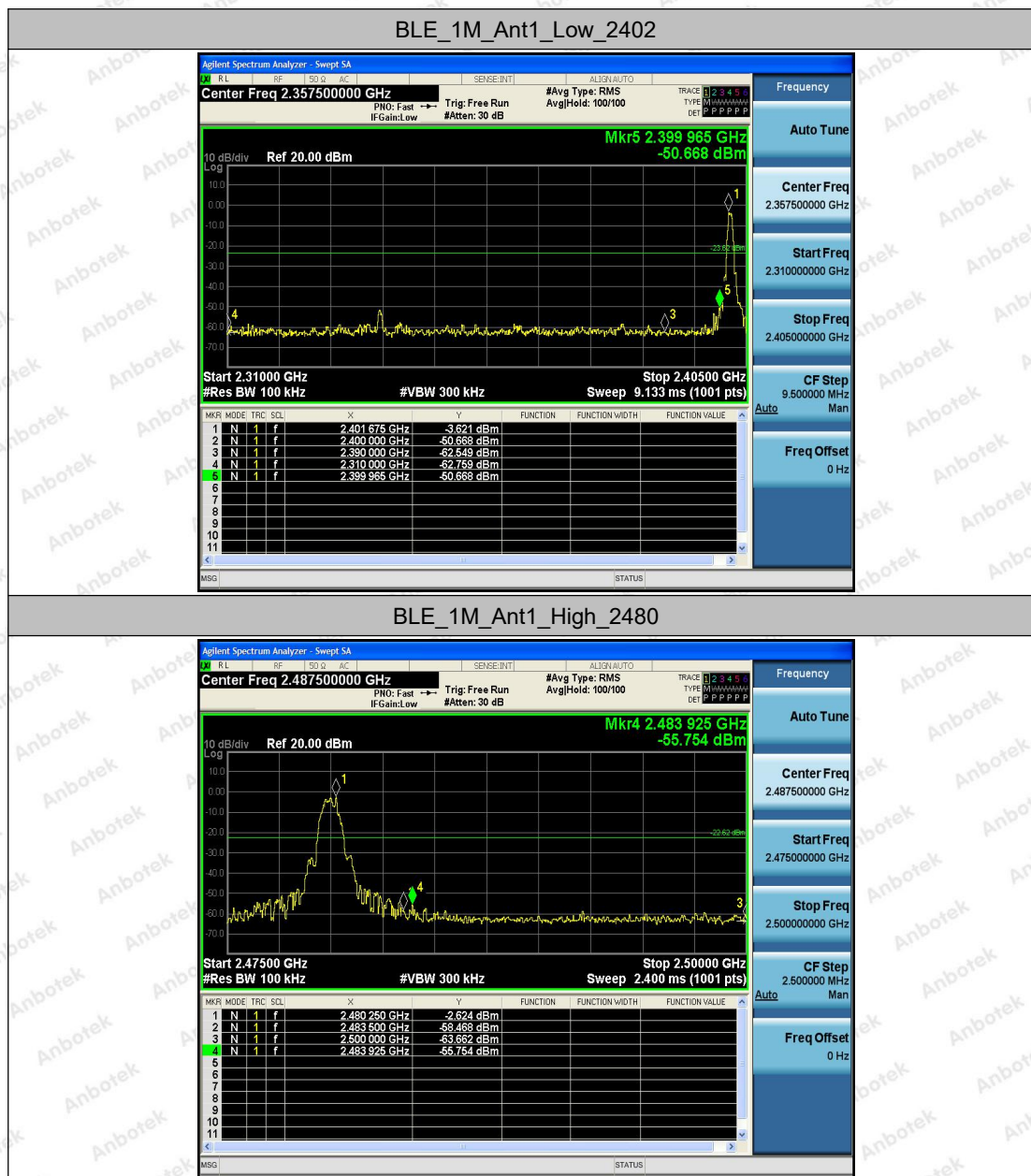
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-3.62	-50.67	≤-23.62	PASS
		High	2480	-2.62	-55.75	≤-22.62	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

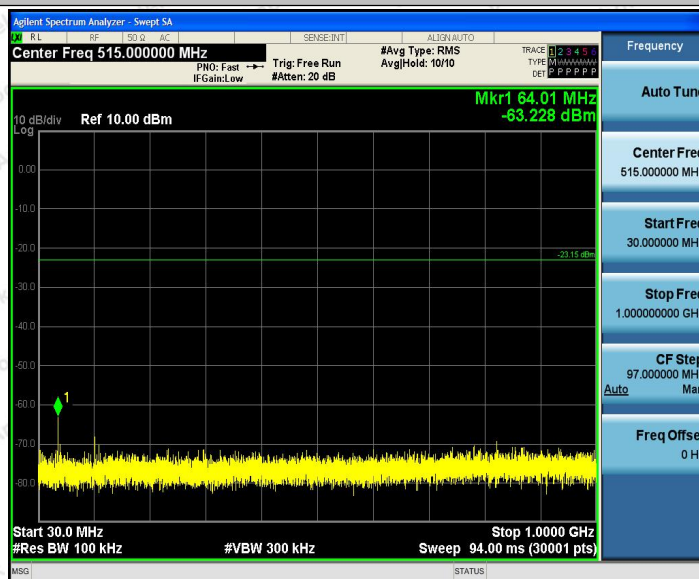
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-3.15	-3.15	---	PASS
			30~1000	-3.15	-63.23	≤-23.15	PASS
			1000~265 00	-3.15	-44.6	≤-23.15	PASS
		2440	Reference	-2.50	-2.50	---	PASS
			30~1000	-2.50	-63.75	≤-22.5	PASS
			1000~265 00	-2.50	-47.18	≤-22.5	PASS
		2480	Reference	-1.75	-1.75	---	PASS
			30~1000	-1.75	-63.85	≤-21.75	PASS
			1000~265 00	-1.75	-55.25	≤-21.75	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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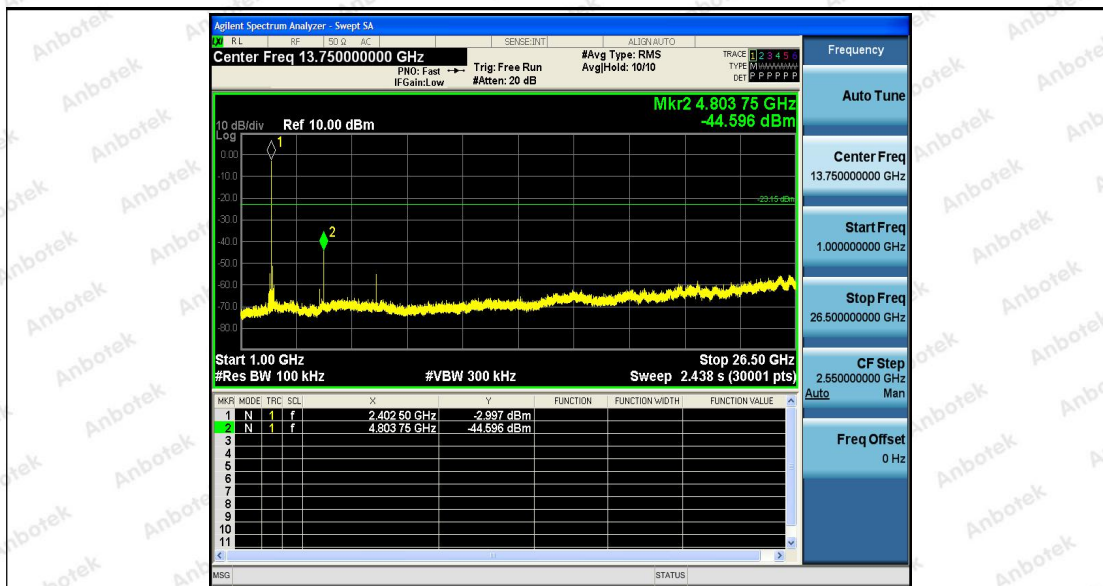
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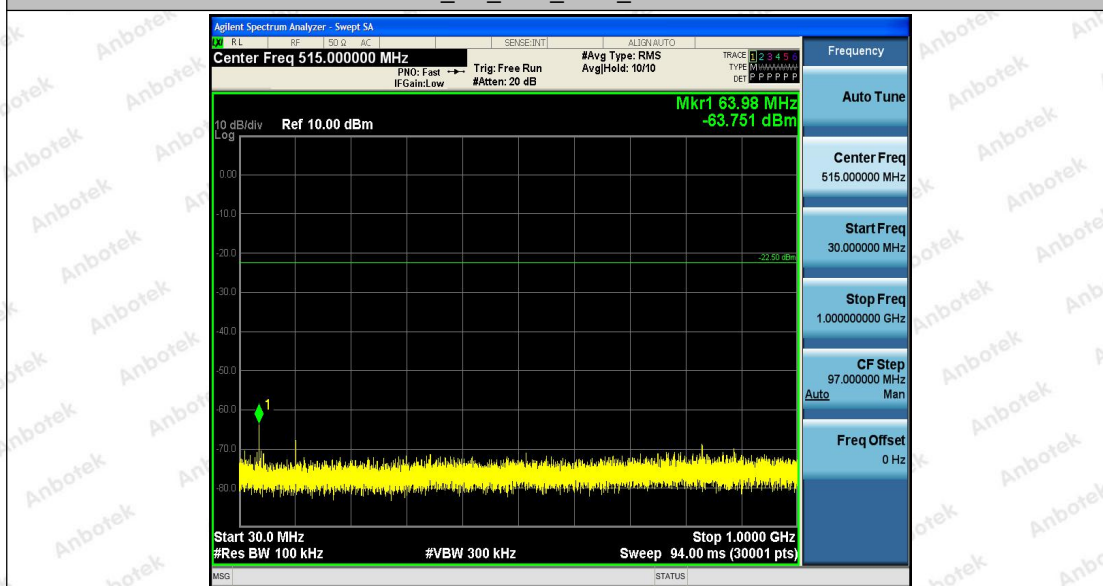
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



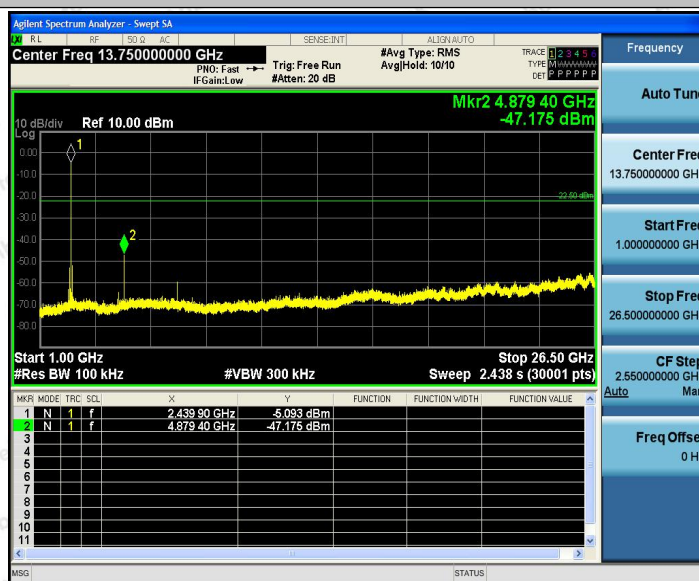
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



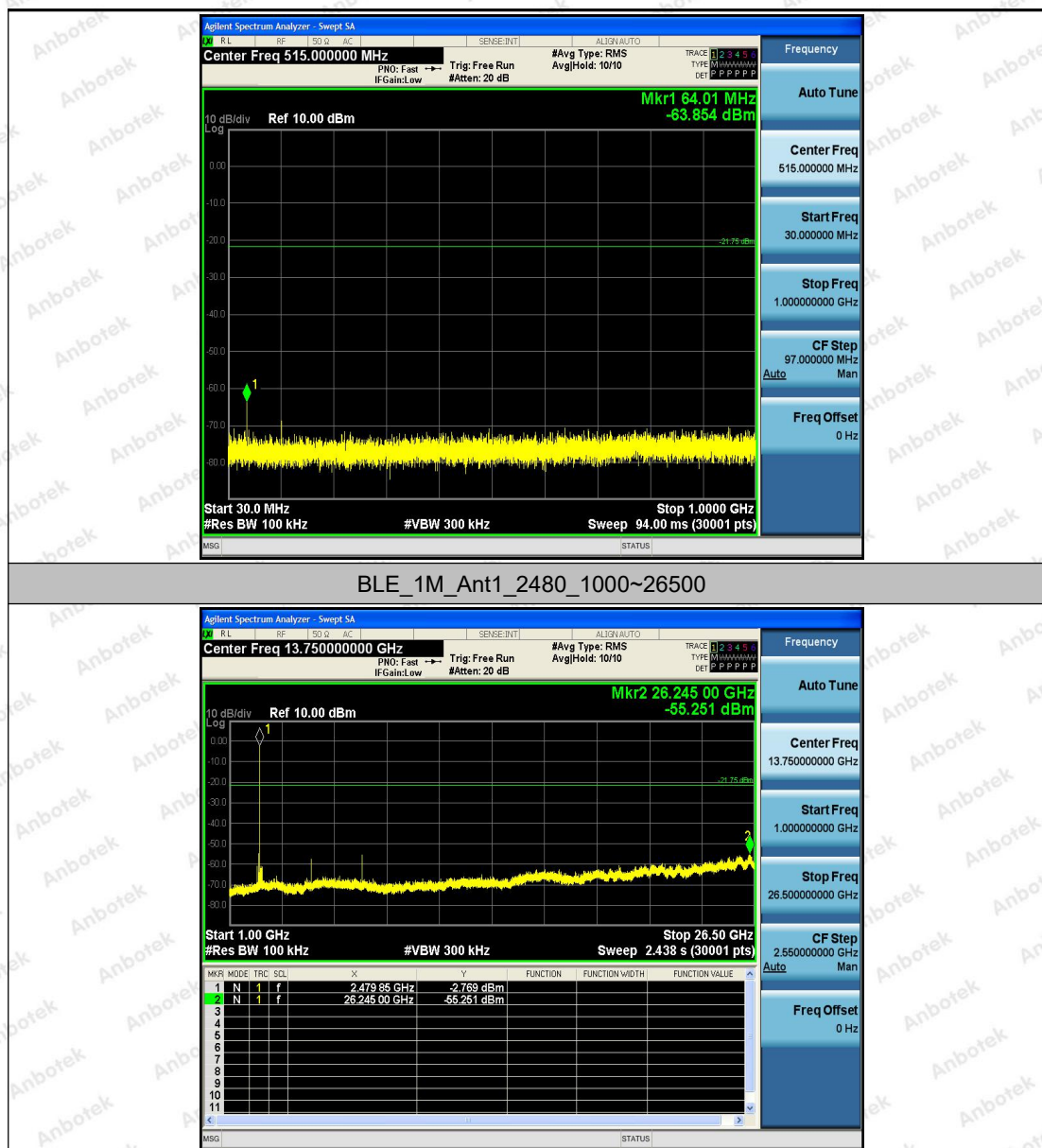
BLE_1M_Ant1_2480_30~1000

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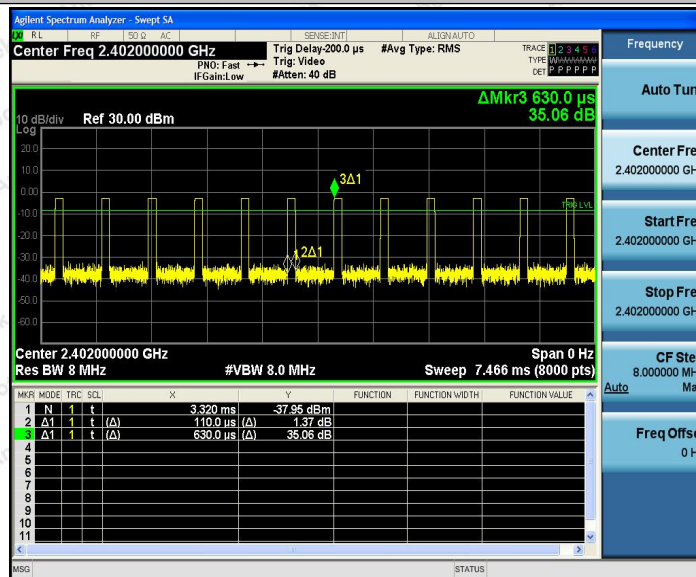
Appendix G: Duty Cycle

Test Result

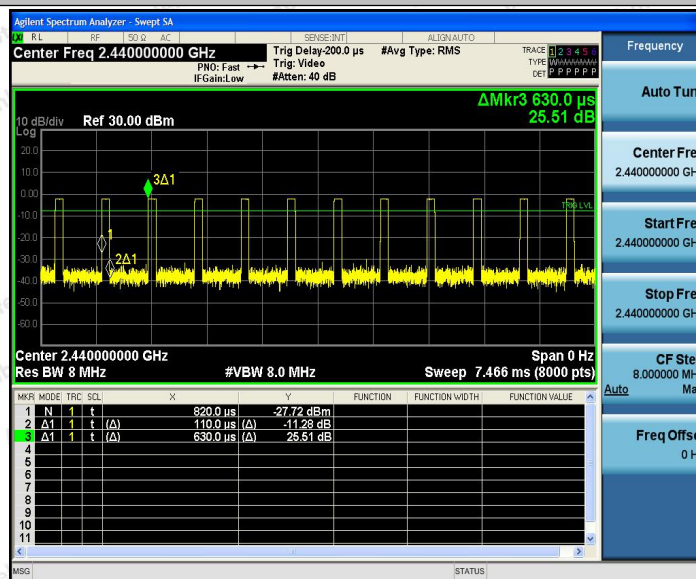
TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	0.11	0.63	0.174 6	17.46	7.58	---	PASS
		2440	0.11	0.63	0.174 6	17.46	7.58	---	PASS
		2480	0.11	0.63	0.174 6	17.46	7.58	---	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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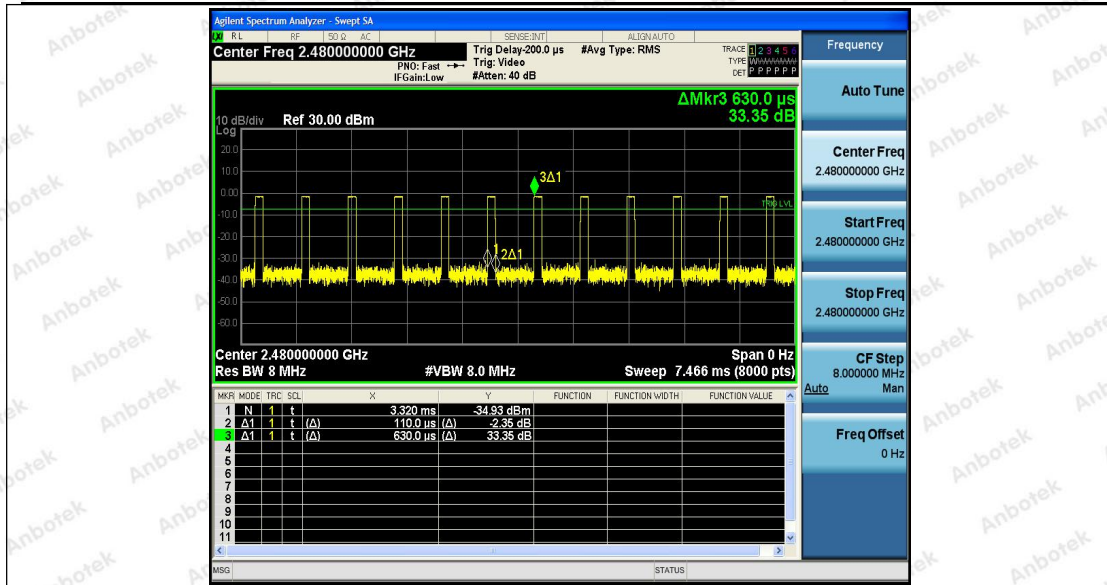
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