

Appendix Test Data

Report No.:	18220WC10189801	Test Date:	2021.8.21
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	0.688	2401.584	2402.272	≥0.5	PASS
		2440	0.692	2439.576	2440.268	≥0.5	PASS
		2480	0.684	2479.588	2480.272	≥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	1.0505	2401.417	2402.467	---	PASS
		2440	0.99686	2439.455	2440.452	---	PASS
		2480	1.0338	2479.431	2480.464	---	PASS

Test Graphs



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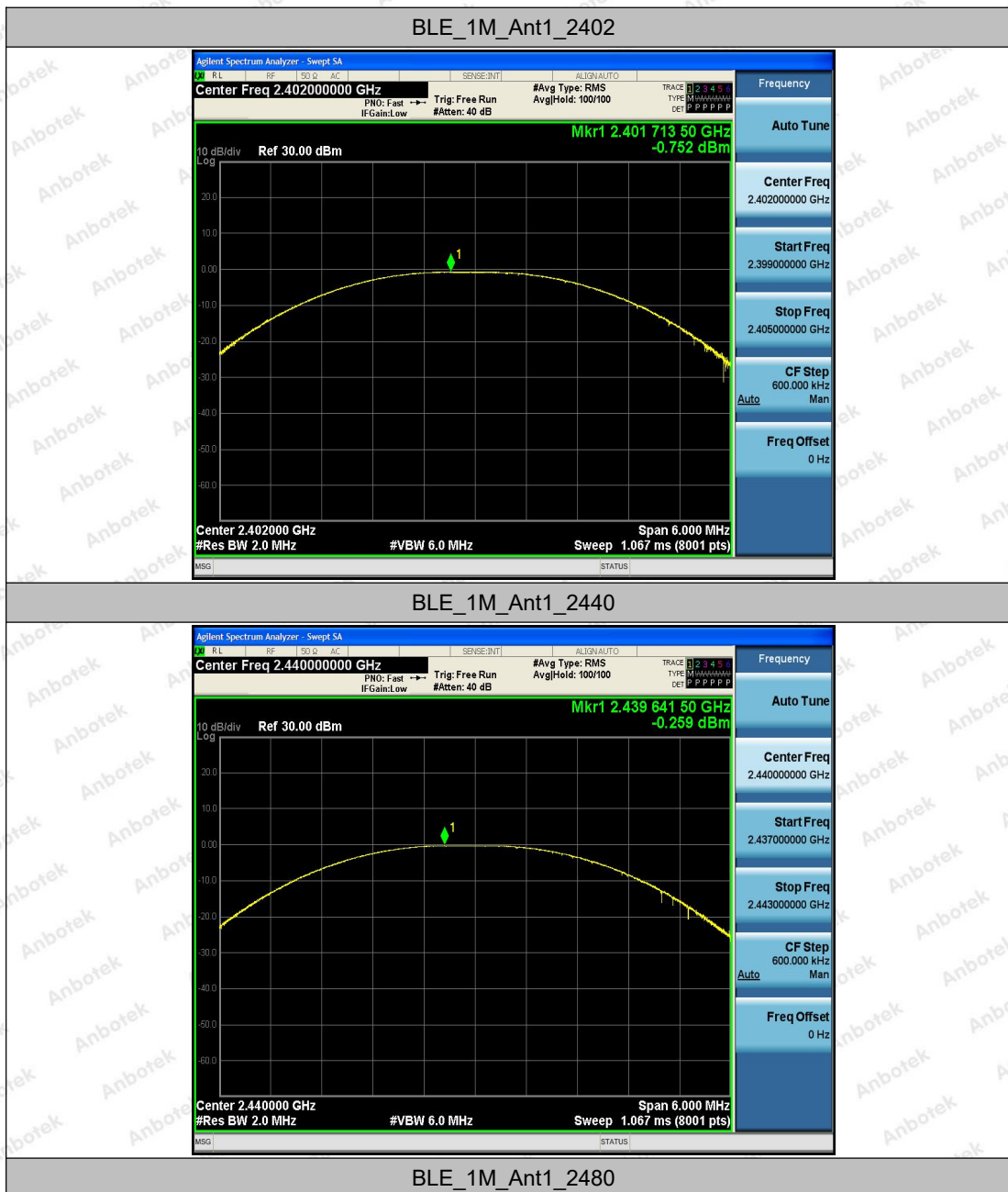
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.75	≤30	PASS
		2440	-0.26	≤30	PASS
		2480	-0.29	≤30	PASS

Test Graphs

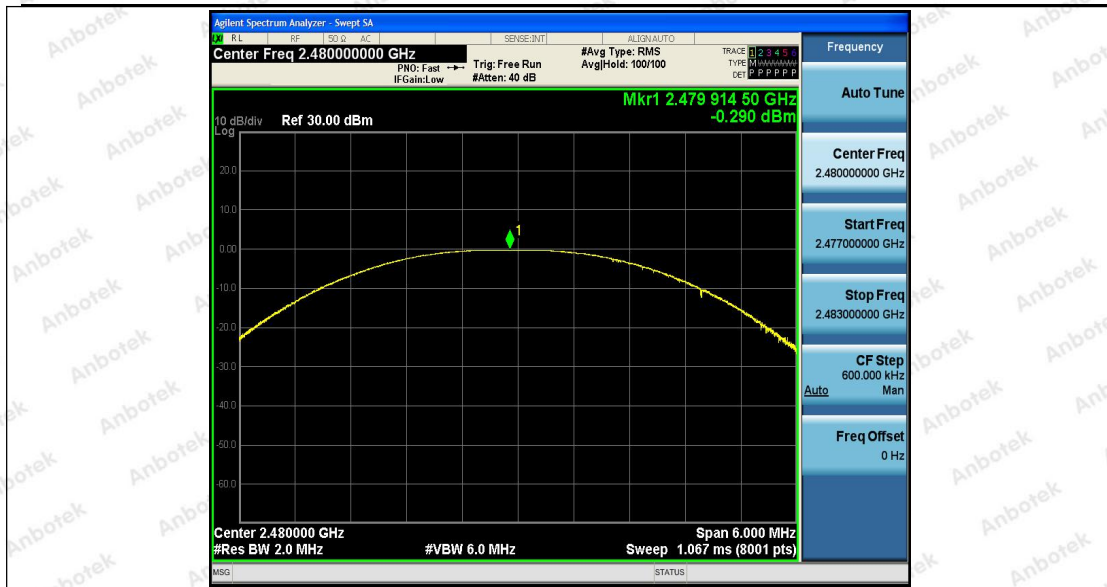


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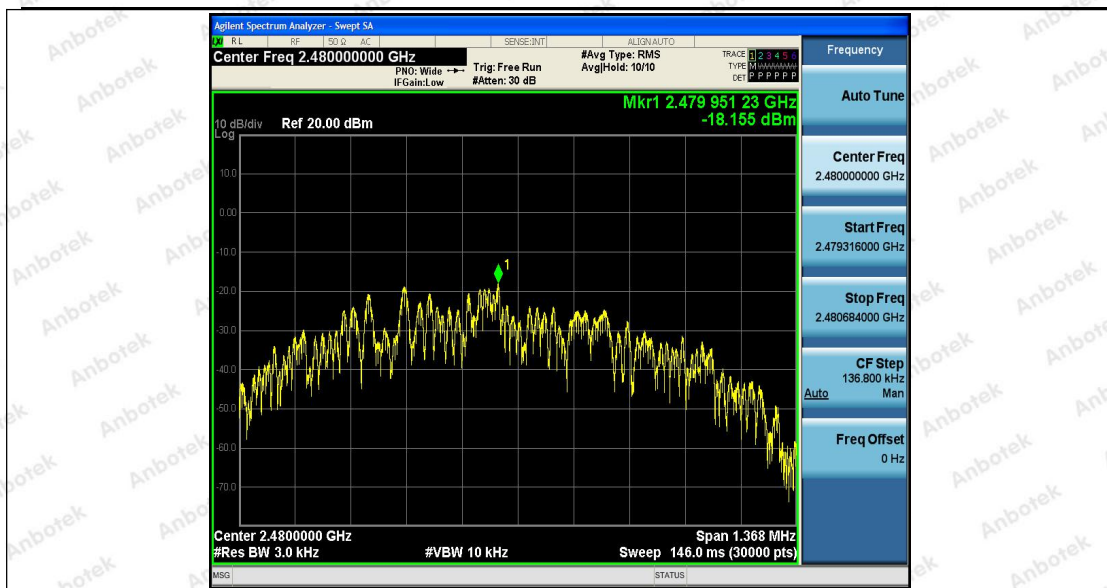
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-18.47	≤8	PASS
		2440	-17.91	≤8	PASS
		2480	-18.16	≤8	PASS



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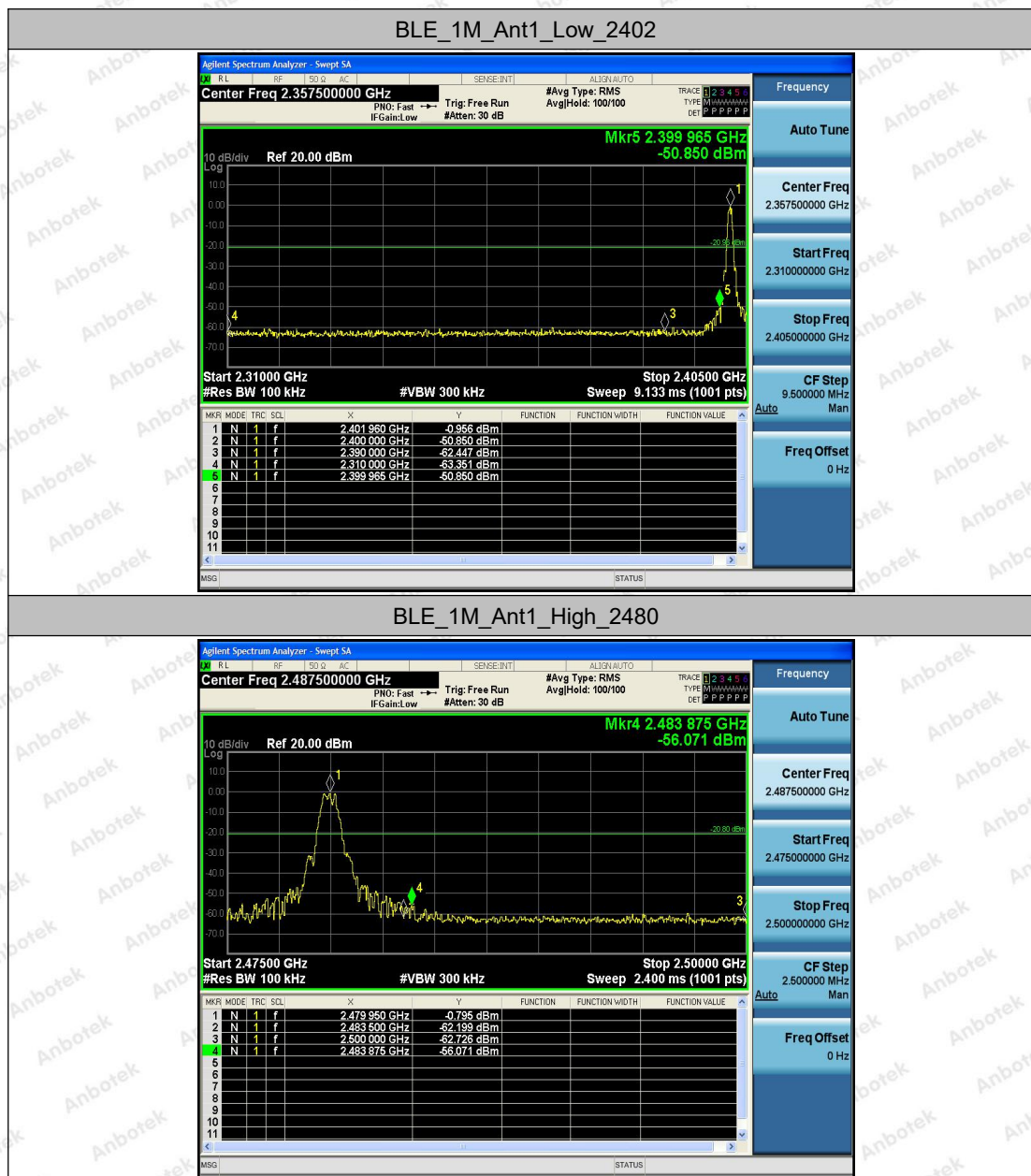
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.96	-50.85	≤-20.96	PASS
		High	2480	-0.80	-56.07	≤-20.8	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

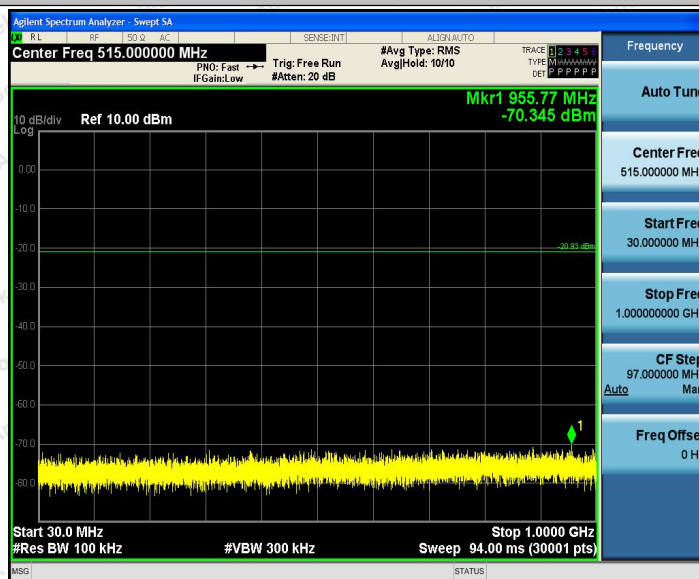
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-0.93	-0.93	---	PASS
			30~1000	-0.93	-70.35	≤-20.93	PASS
			1000~265 00	-0.93	-43.73	≤-20.93	PASS
		2440	Reference	-0.40	-0.40	---	PASS
			30~1000	-0.40	-70.54	≤-20.4	PASS
			1000~265 00	-0.40	-48.05	≤-20.4	PASS
		2480	Reference	-0.42	-0.42	---	PASS
			30~1000	-0.42	-70.34	≤-20.42	PASS
			1000~265 00	-0.42	-47.07	≤-20.42	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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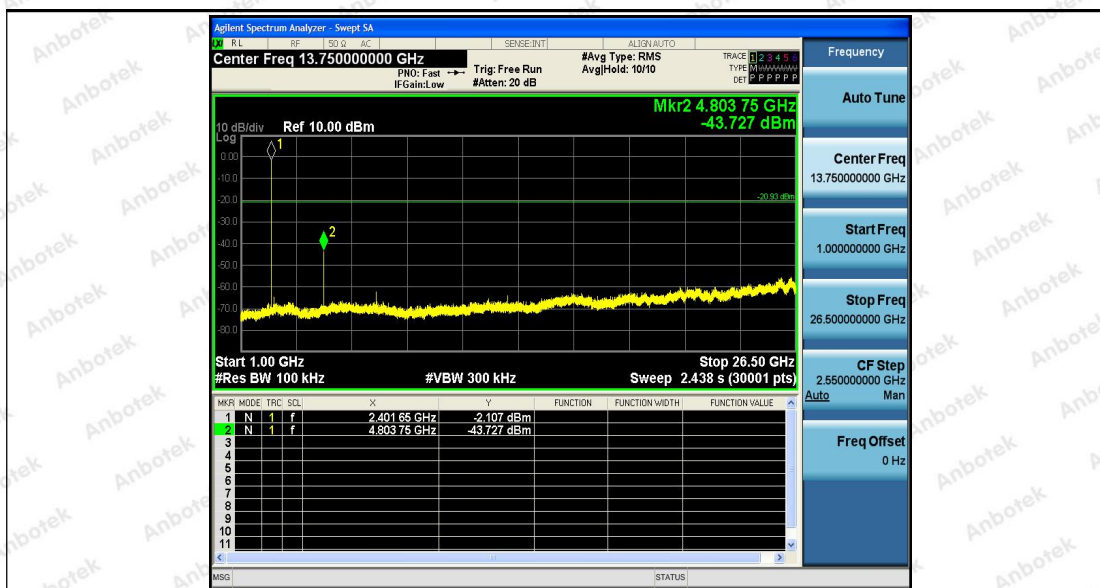
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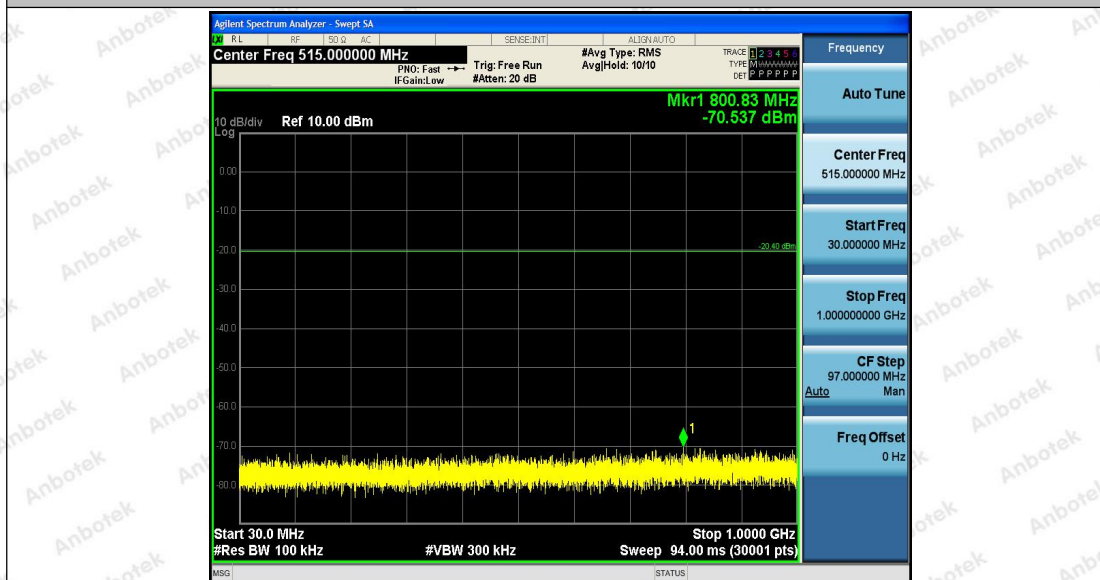
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



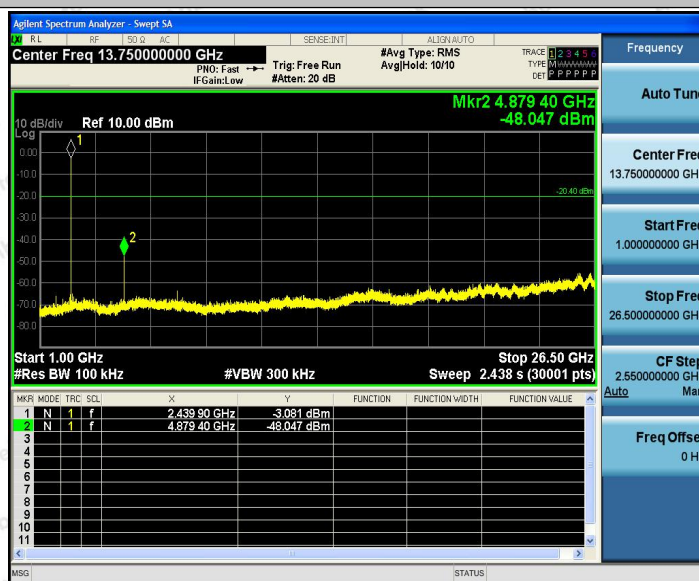
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



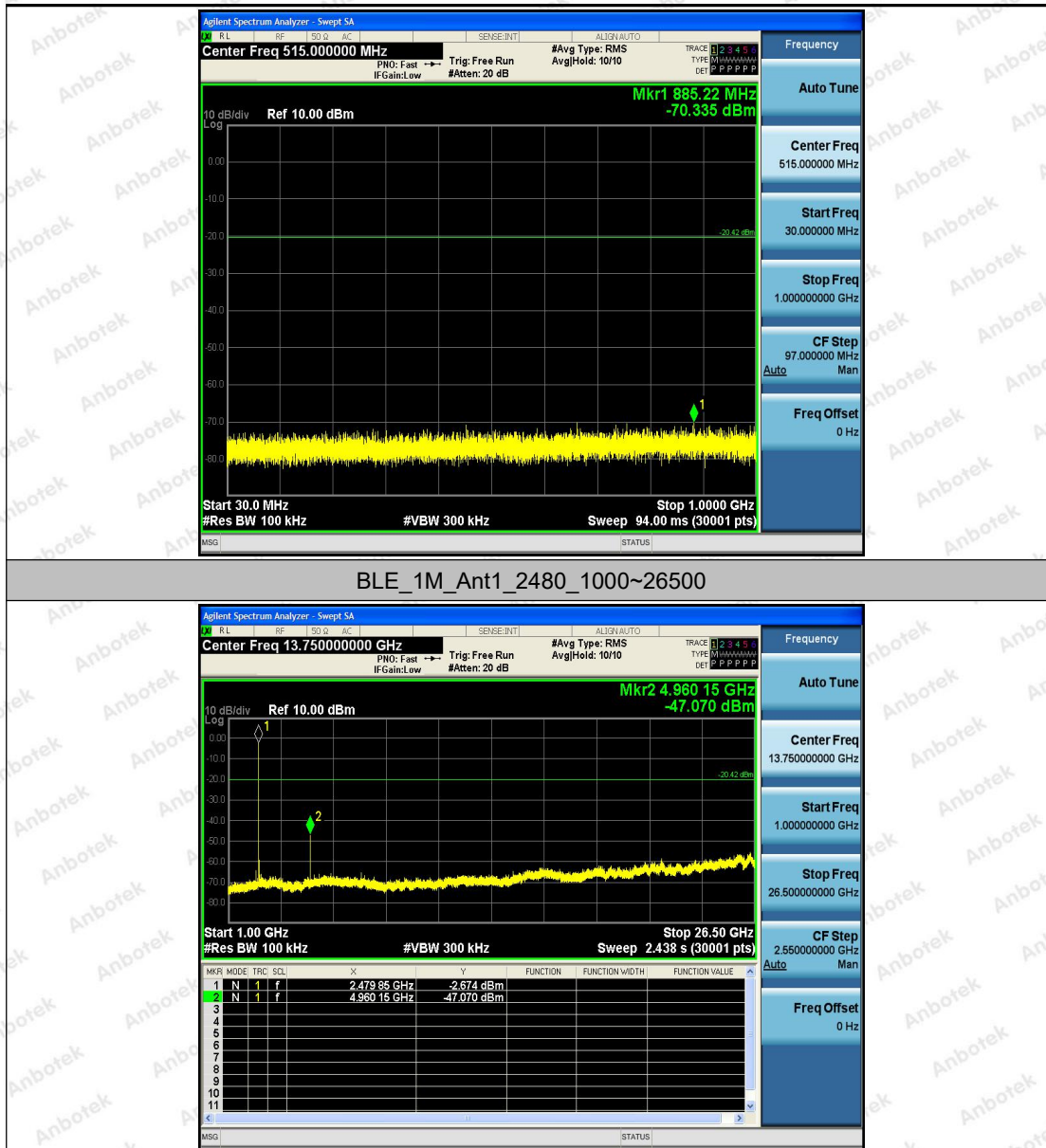
BLE_1M_Ant1_2480_30~1000

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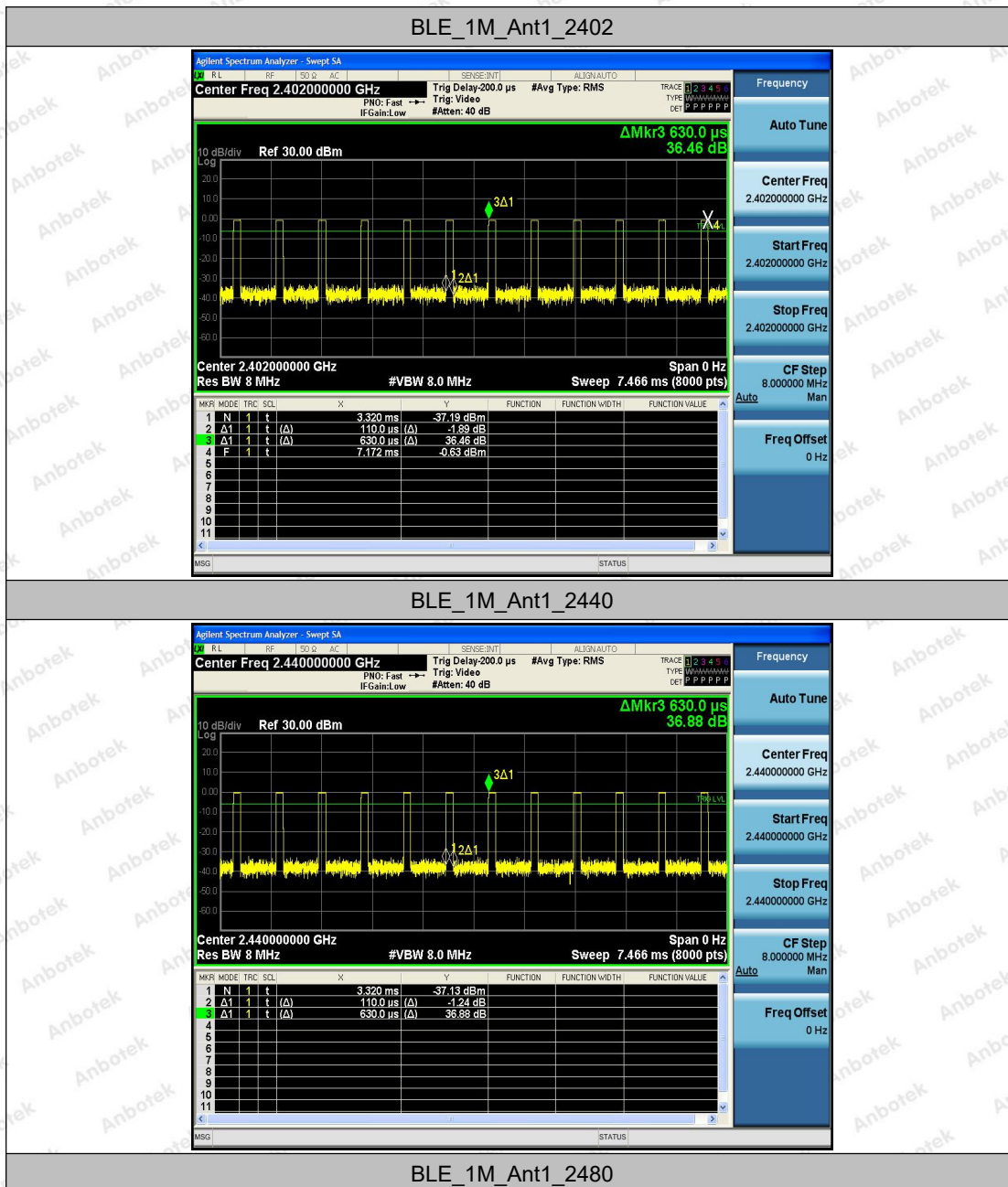
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Appendix G: Duty Cycle

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	0.10	0.62	0.161 3	16.13	7.92	---	PASS

Test Graphs



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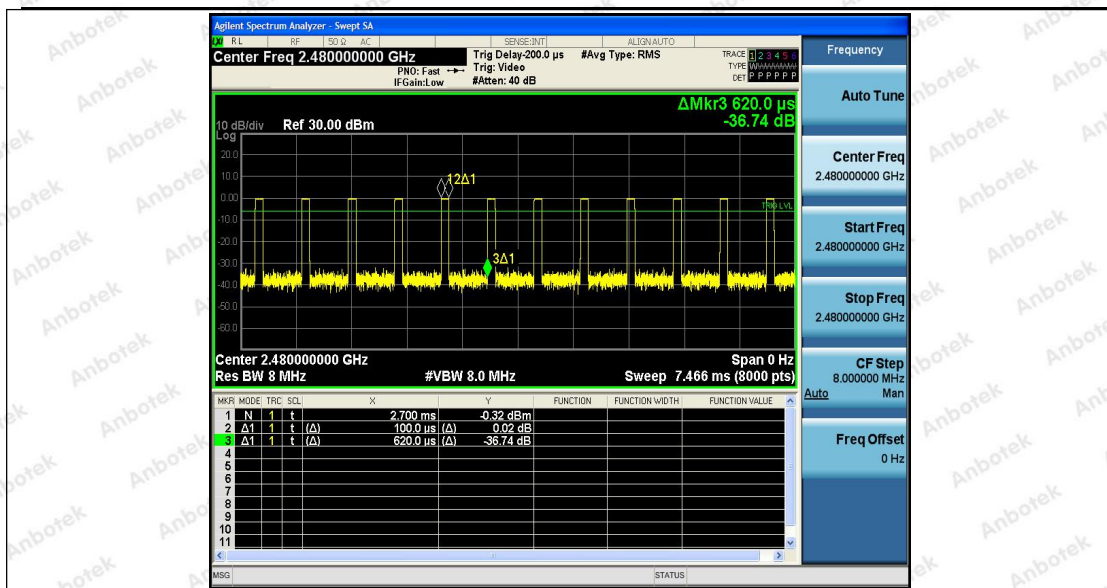
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