

Appendix Test Data

Report No.:	18220WC10197301	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	0.656	2401.620	2402.276	≥0.5	PASS
		2440	0.712	2439.612	2440.324	≥0.5	PASS
		2480	0.680	2479.632	2480.312	≥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	1.0540	2401.463	2402.517	---	PASS
		2440	1.0479	2439.470	2440.518	---	PASS
		2480	1.0518	2479.464	2480.516	---	PASS

Test Graphs



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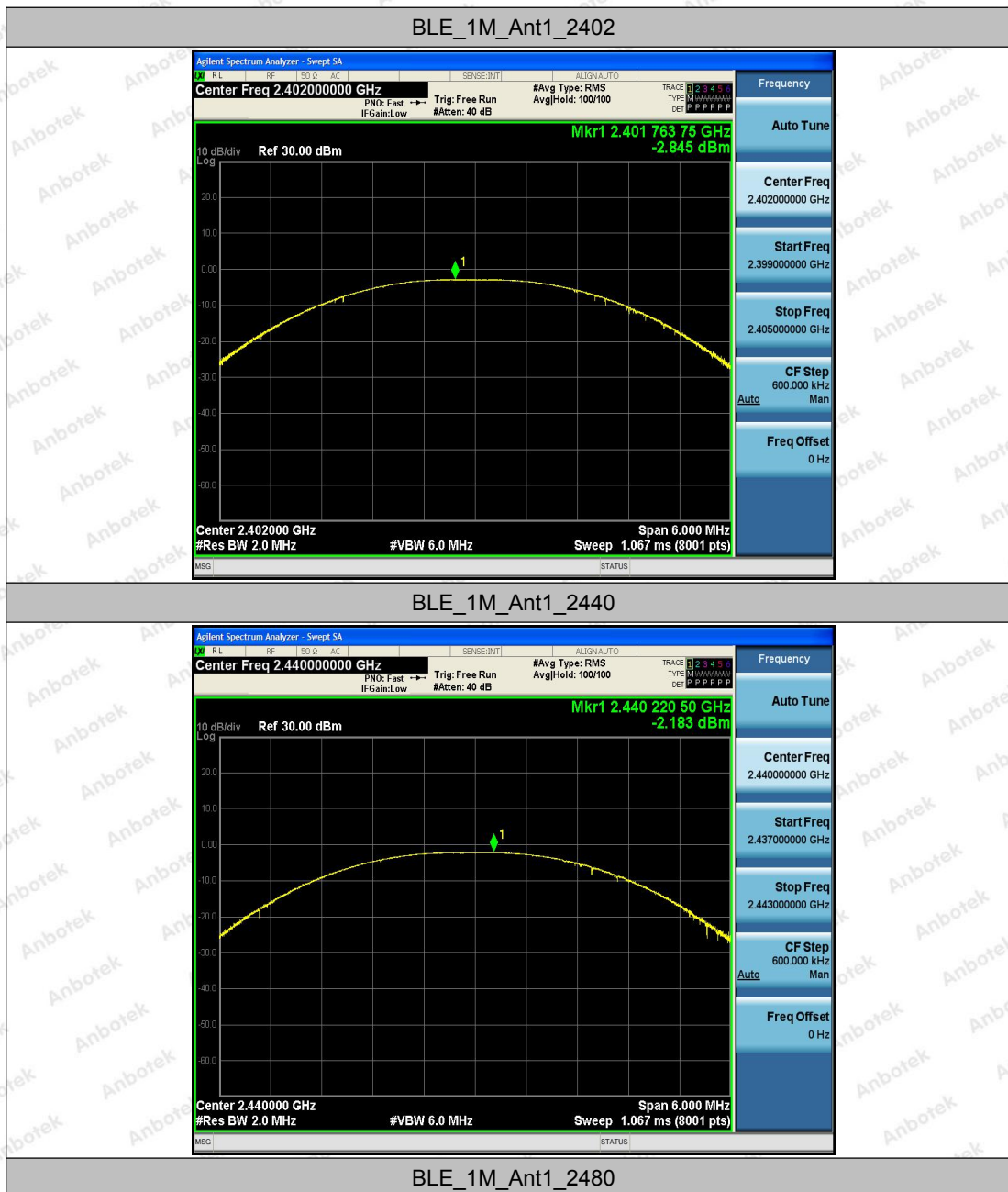
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-2.85	≤30	PASS
		2440	-2.18	≤30	PASS
		2480	-1.56	≤30	PASS

Test Graphs

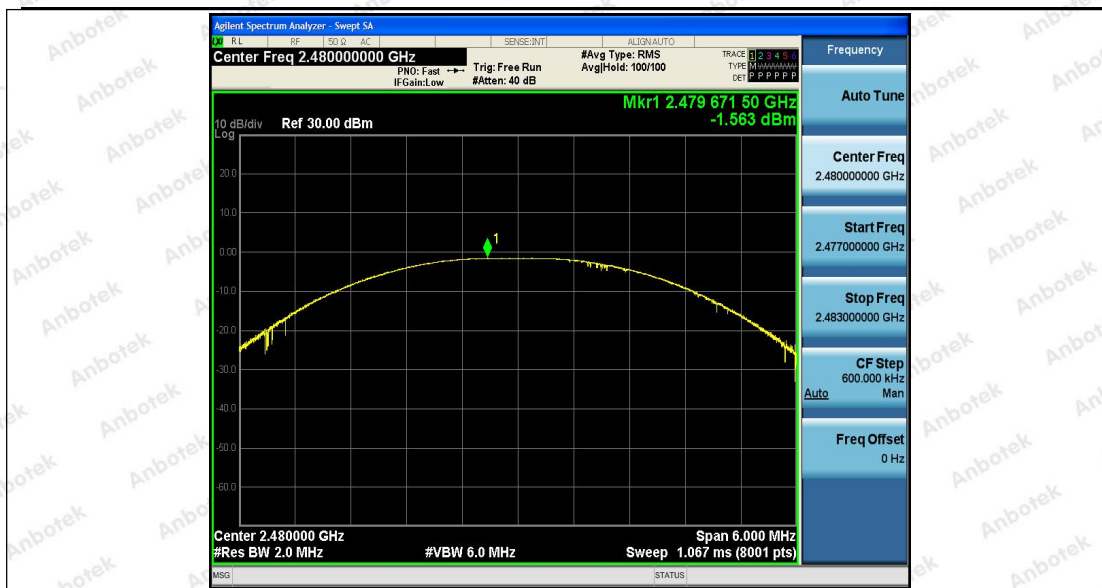


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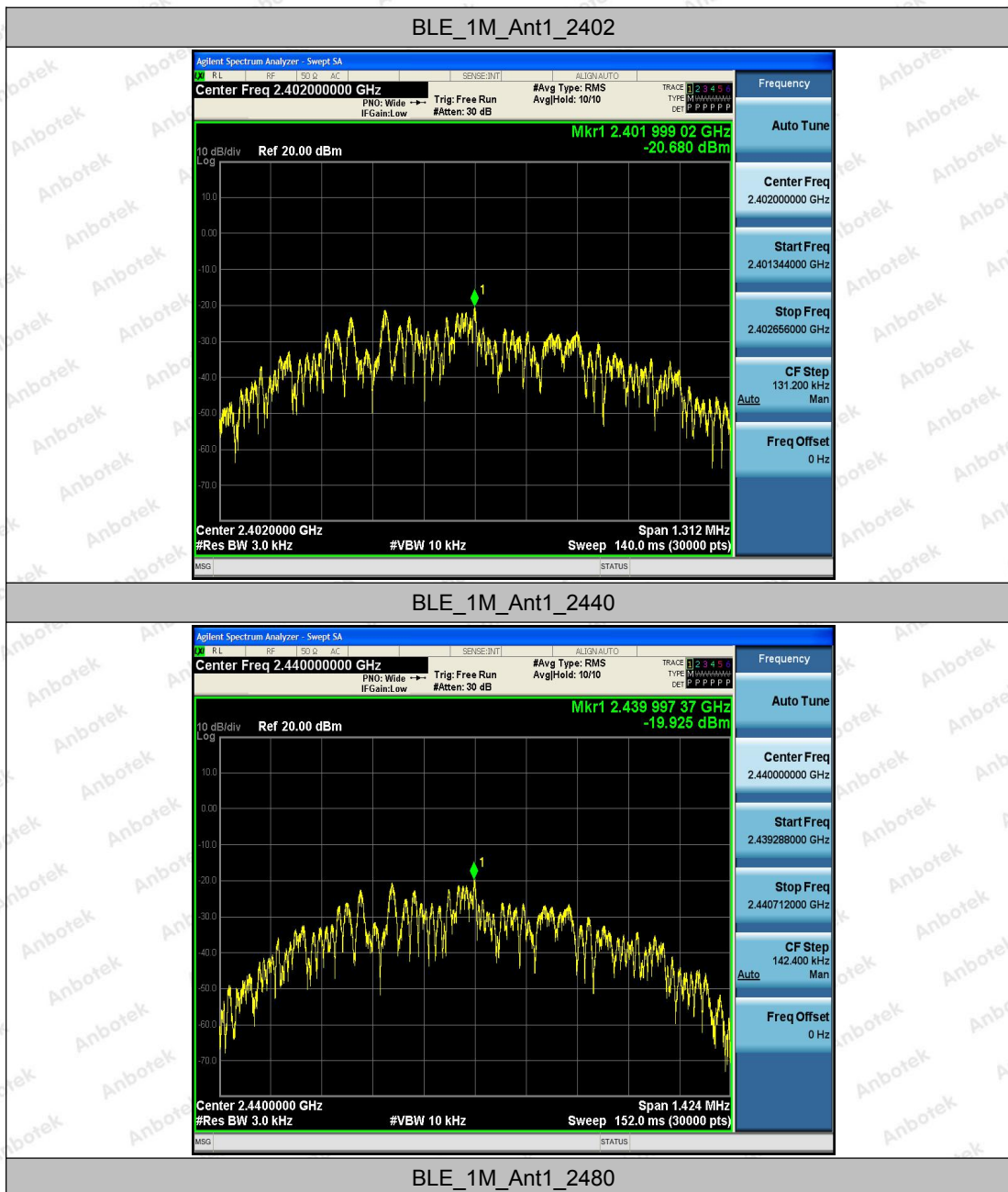
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-20.68	≤8	PASS
		2440	-19.93	≤8	PASS
		2480	-19.31	≤8	PASS

Test Graphs

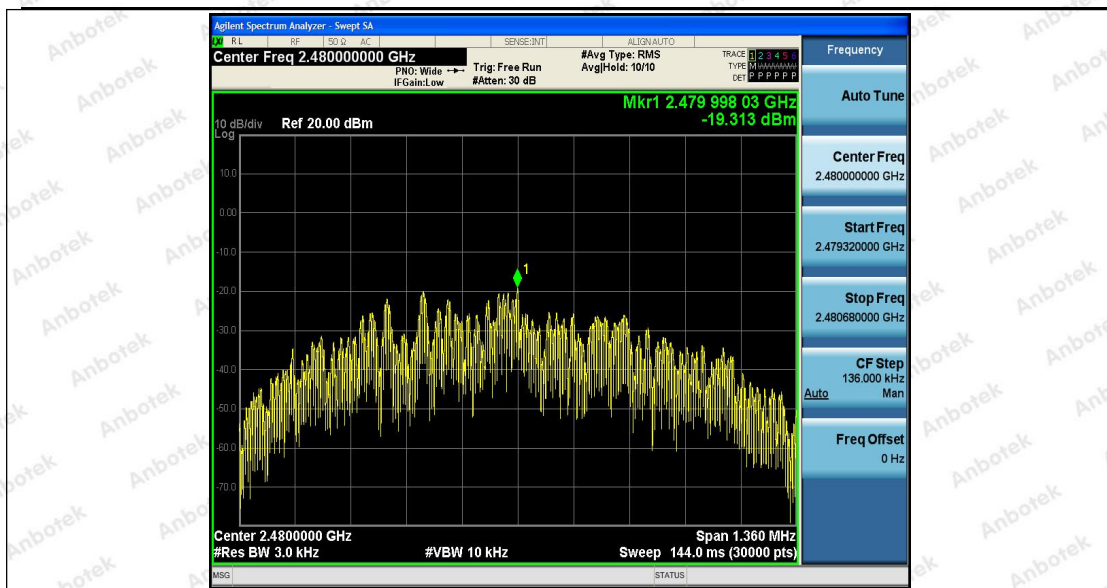


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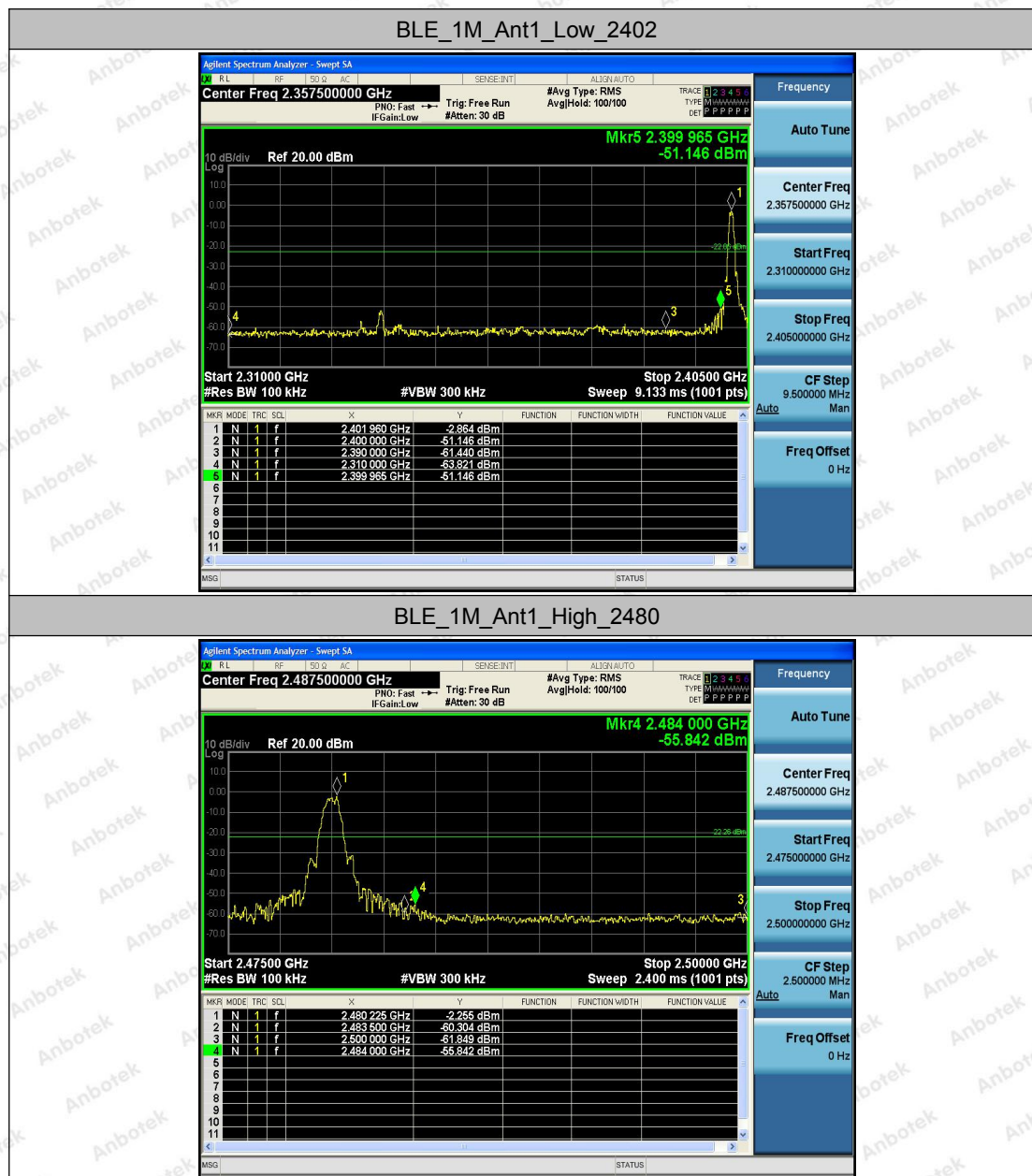
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-2.86	-51.15	≤ -22.86	PASS
		High	2480	-2.26	-55.84	≤ -22.26	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

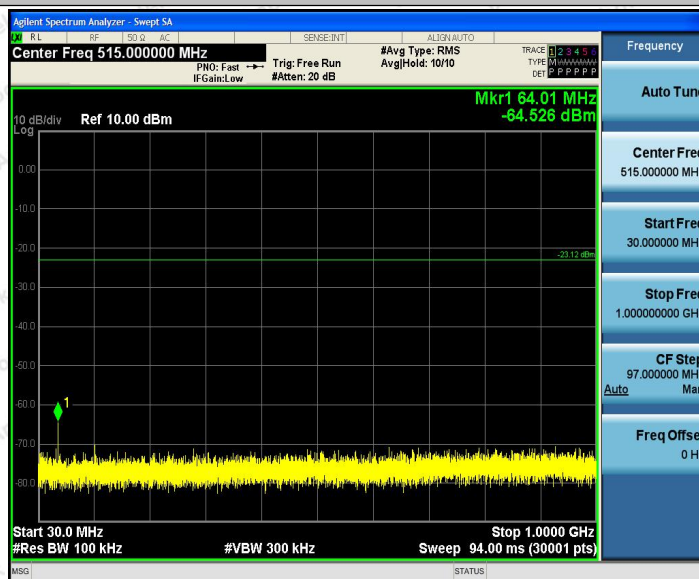
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-3.12	-3.12	---	PASS
			30~1000	-3.12	-64.53	≤-23.12	PASS
			1000~265 00	-3.12	-48.18	≤-23.12	PASS
		2440	Reference	-2.40	-2.40	---	PASS
			30~1000	-2.40	-64.34	≤-22.4	PASS
			1000~265 00	-2.40	-44.99	≤-22.4	PASS
		2480	Reference	-1.73	-1.73	---	PASS
			30~1000	-1.73	-63.29	≤-21.73	PASS
			1000~265 00	-1.73	-50.4	≤-21.73	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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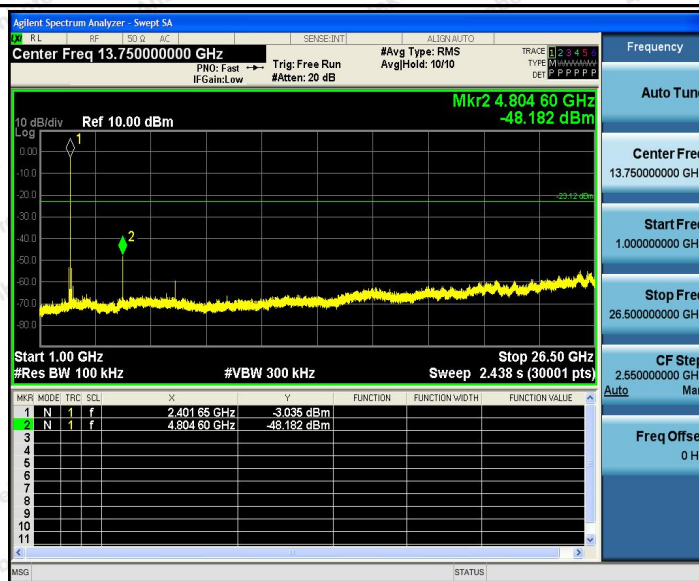
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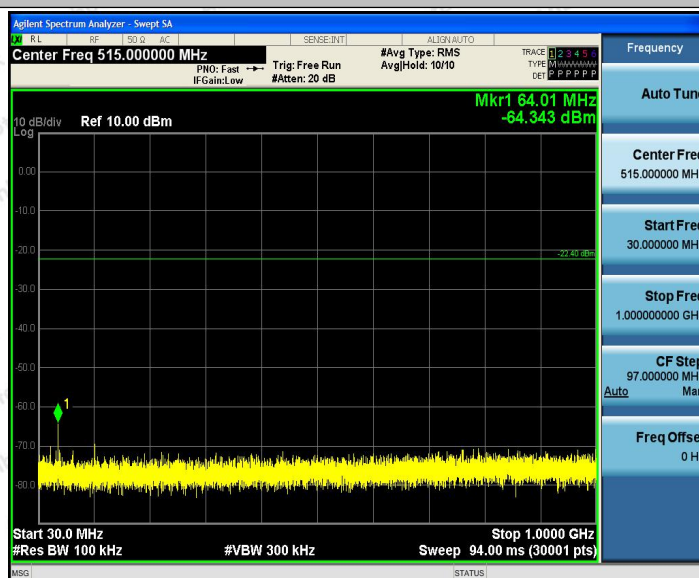
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



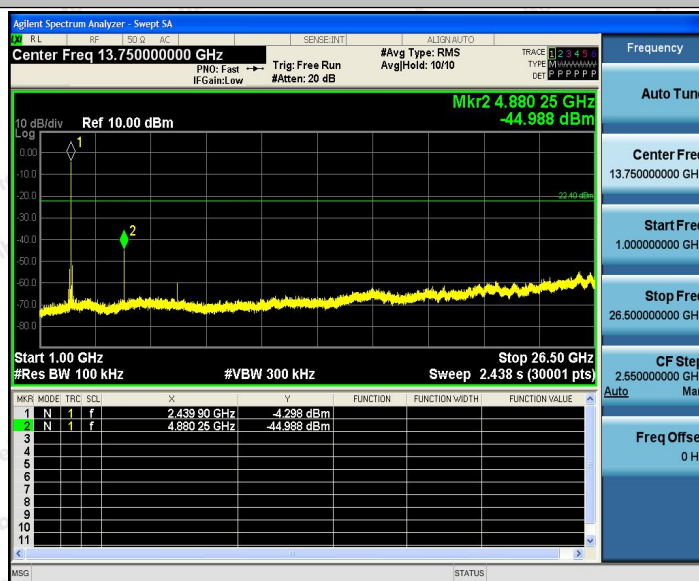
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



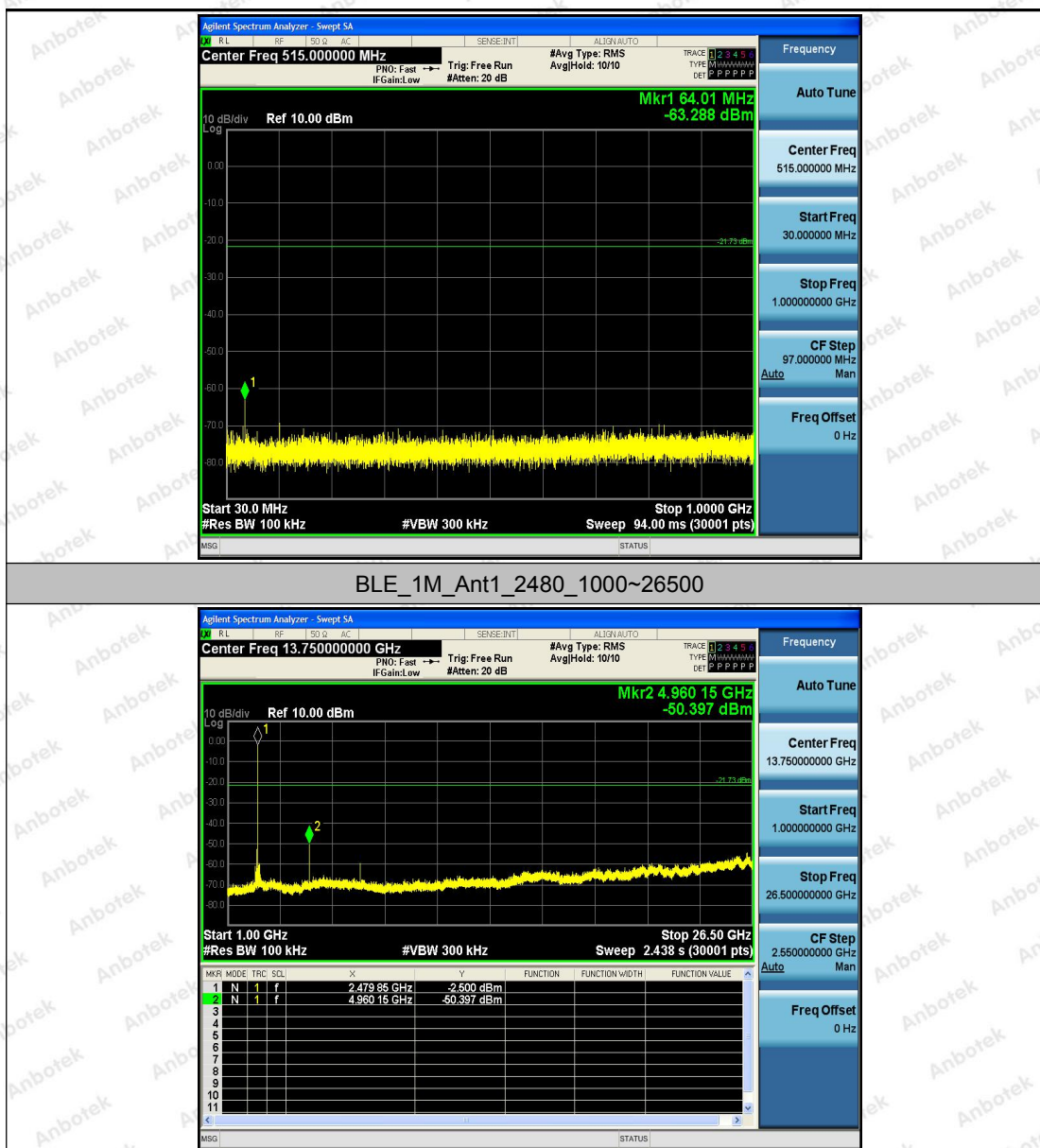
BLE_1M_Ant1_2480_30~1000

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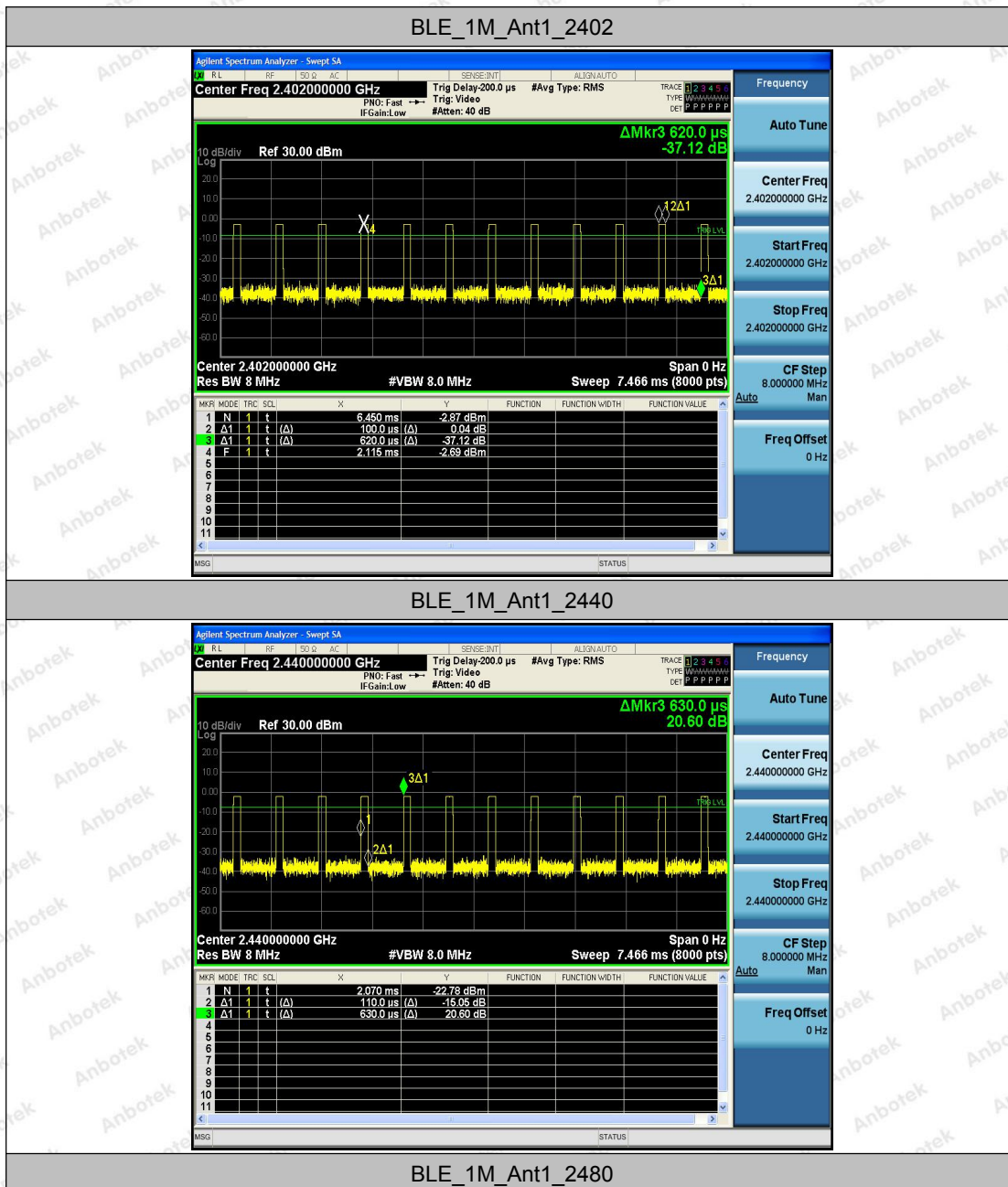
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Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	0.10	0.62	0.161 3	16.13	7.92	---	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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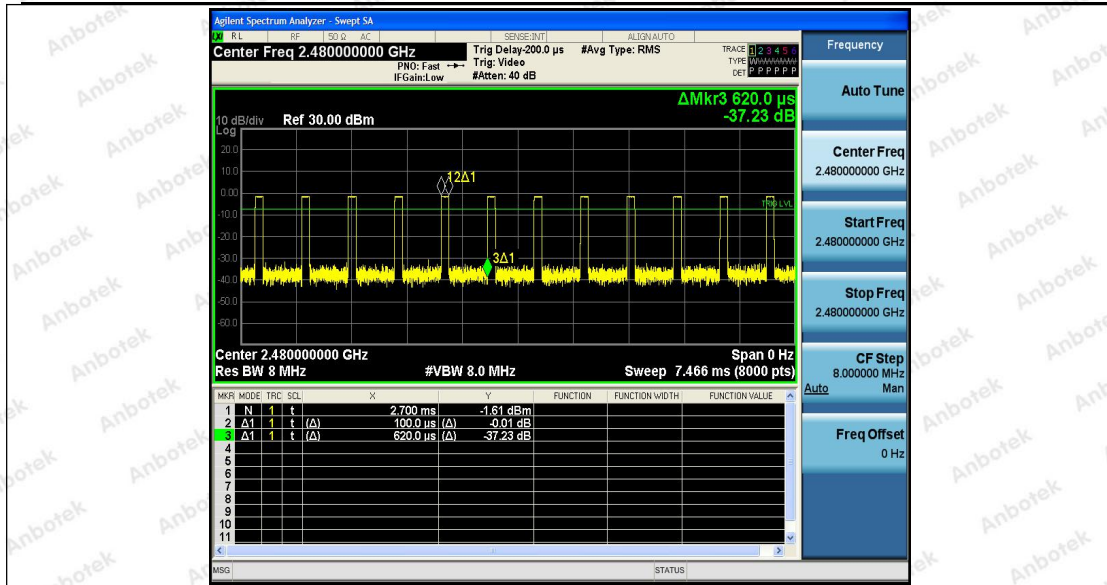
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