

Appendix Test Data

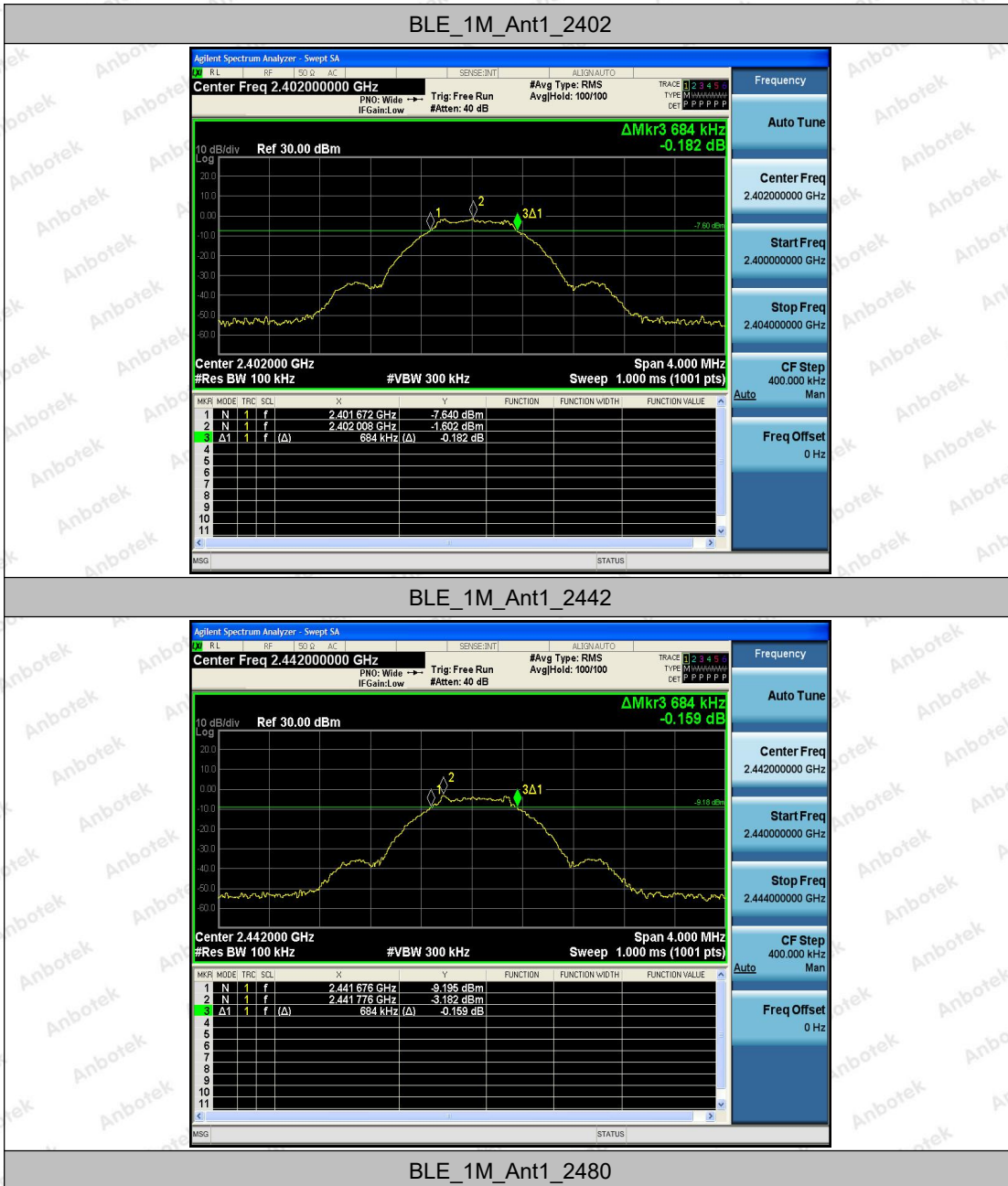
Report No.:	18220WC20084501	Test Sample No.:	1-2-2
Start Test Date:	2022.4.24	Finish Test Date:	2022.4.28
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.3°C	Relative Humidity:	57.2 %
Pressure:	1012 hPa		

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	2401.672	2402.356	≥0.5	PASS
		2442	0.684	2441.676	2442.360	≥0.5	PASS
		2480	0.688	2479.676	2480.364	≥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	1.0354	2401.496	2402.532	---	PASS
		2442	1.0246	2441.504	2442.528	---	PASS
		2480	1.0200	2479.515	2480.535	---	PASS

Test Graphs



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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.84	≤30	PASS
		2442	-2.89	≤30	PASS
		2480	-1.55	≤30	PASS

Test Graphs

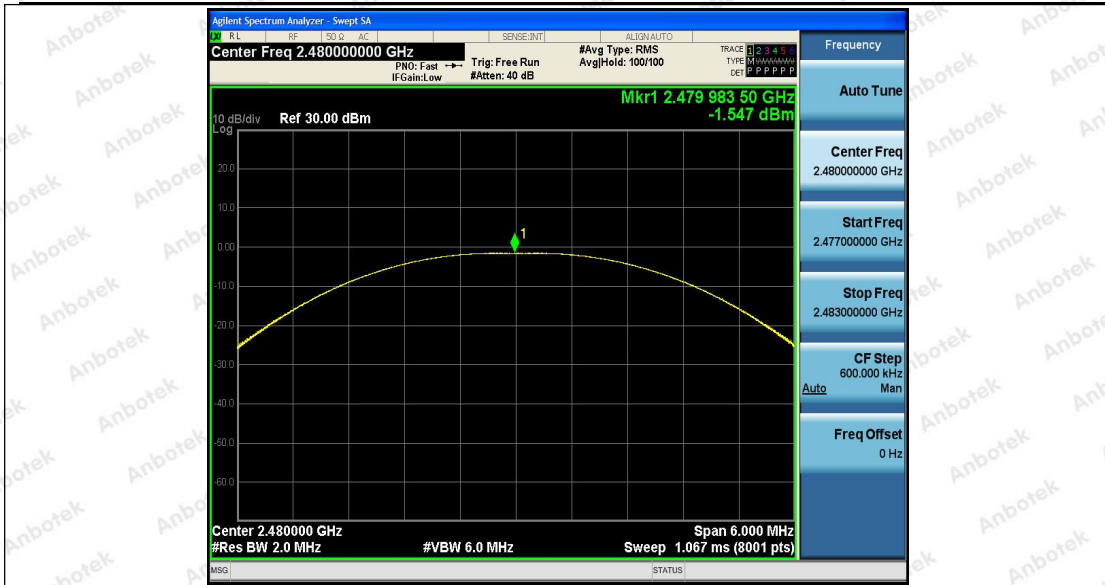


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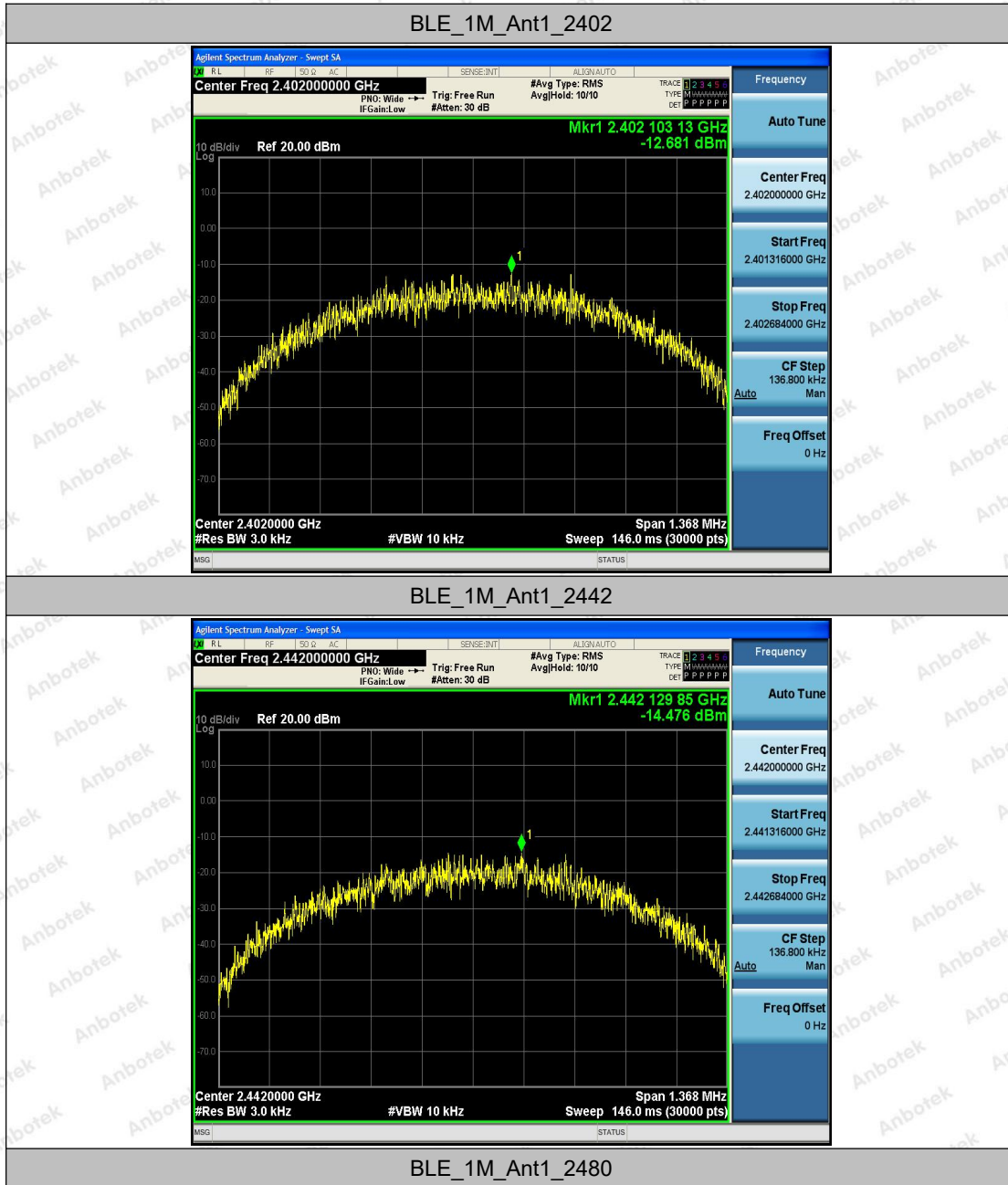
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.68	≤8	PASS
		2442	-14.48	≤8	PASS
		2480	-13.26	≤8	PASS

Test Graphs

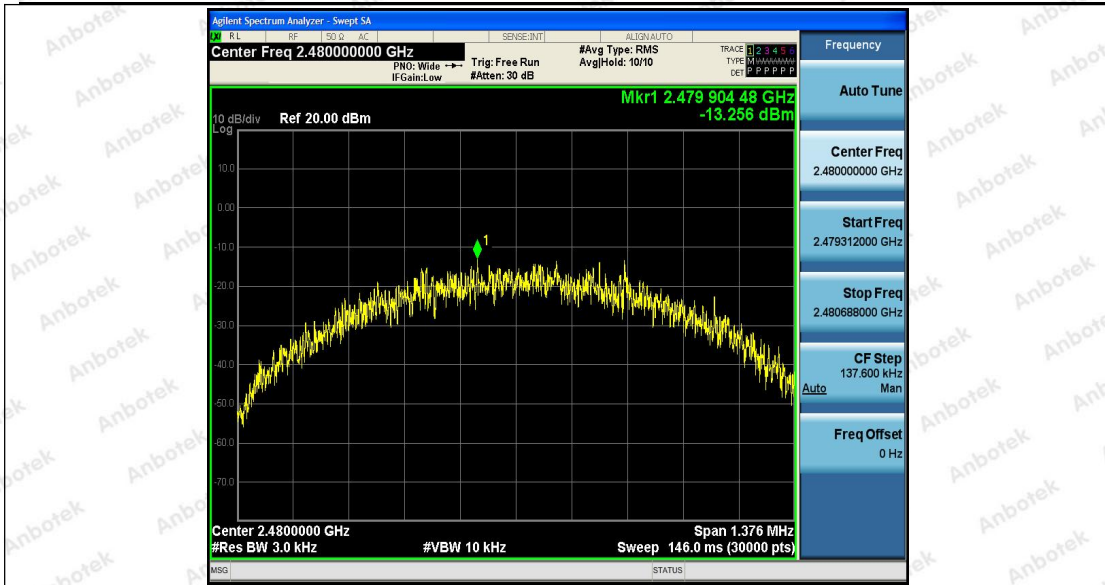


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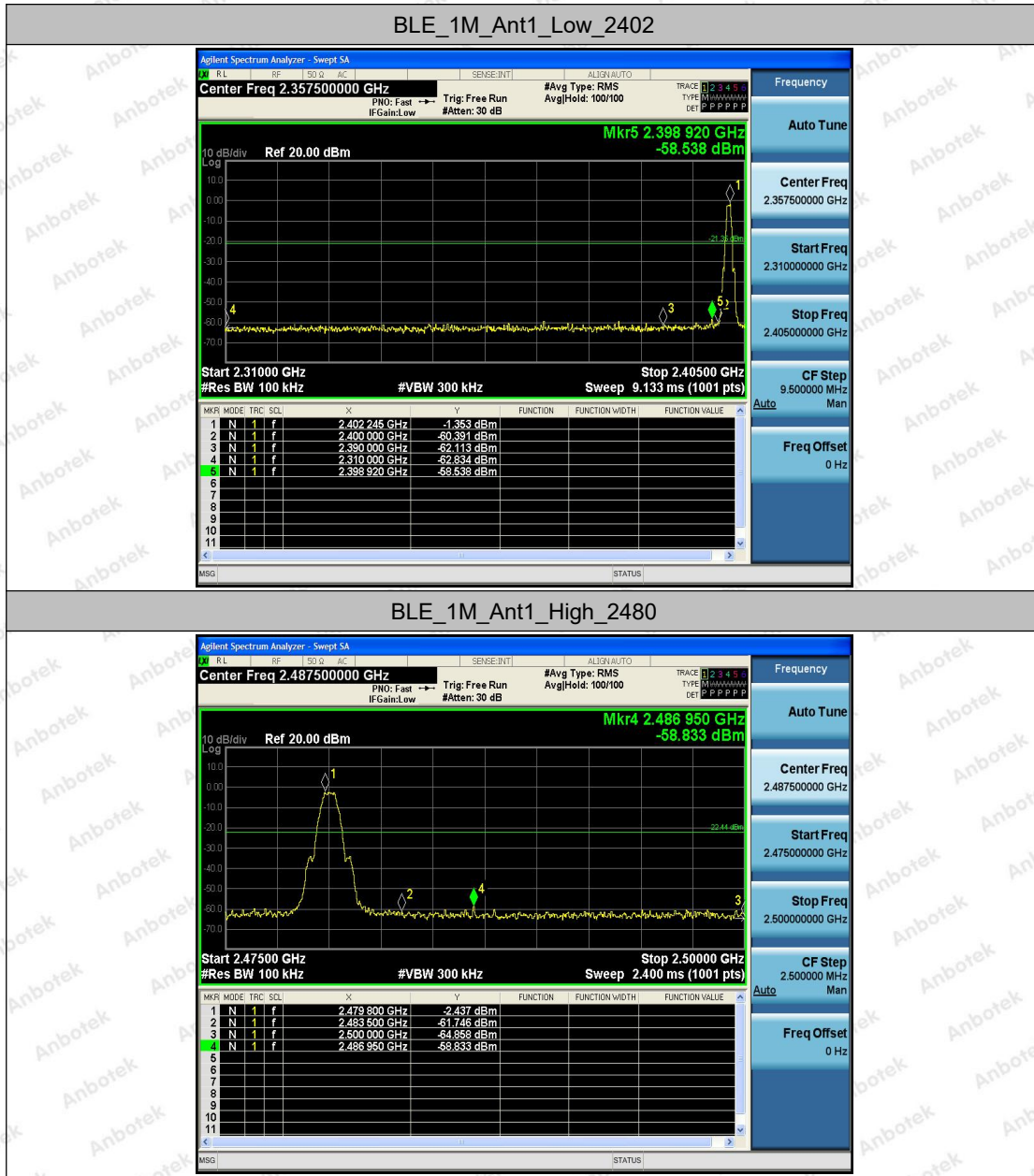
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.35	-58.54	≤-21.35	PASS
		High	2480	-2.44	-58.83	≤-22.44	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	-1.43	-1.43	---	PASS
			30~1000	-1.43	-70.15	≤-21.43	PASS
			1000~265 00	-1.43	-49.99	≤-21.43	PASS
		2442	Reference	-3.44	-3.44	---	PASS
			30~1000	-3.44	-70.92	≤-23.44	PASS
			1000~265 00	-3.44	-46.61	≤-23.44	PASS
		2480	Reference	-2.20	-2.20	---	PASS
			30~1000	-2.20	-70.08	≤-22.2	PASS
			1000~265 00	-2.20	-42.27	≤-22.2	PASS

Test Graphs

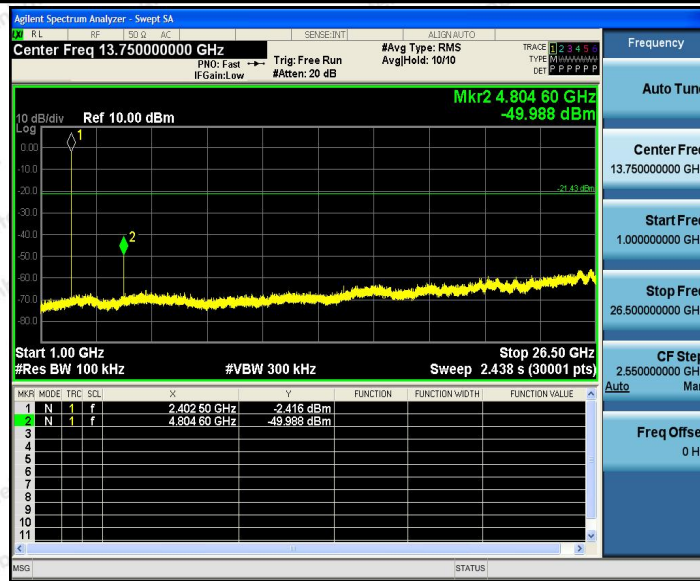


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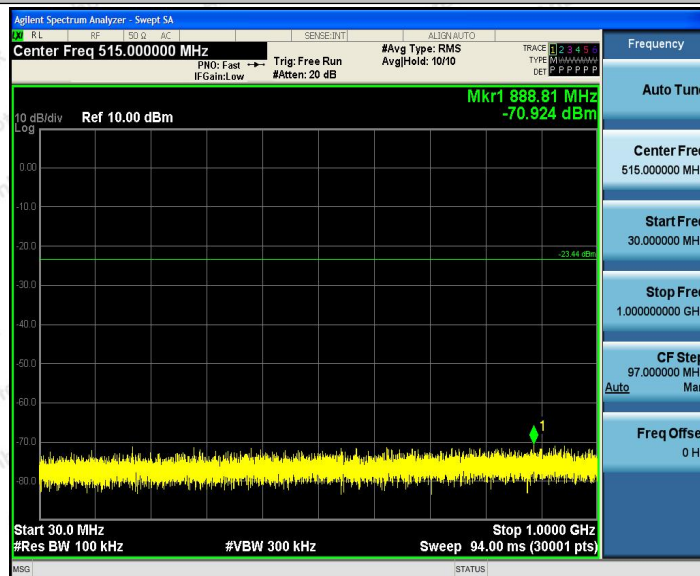
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BLE_1M_Ant1_2442_0~Reference



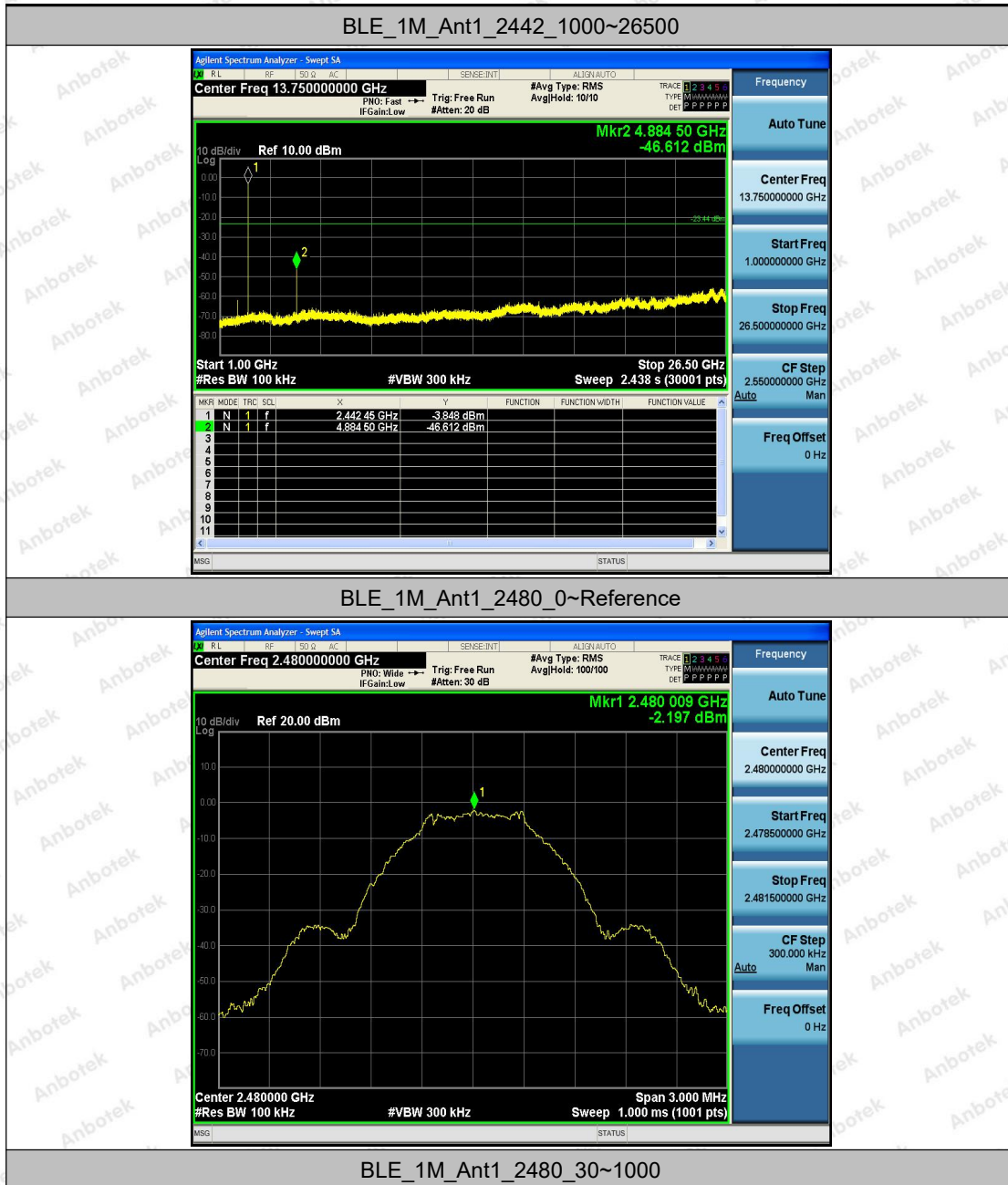
BLE_1M_Ant1_2442_30~1000



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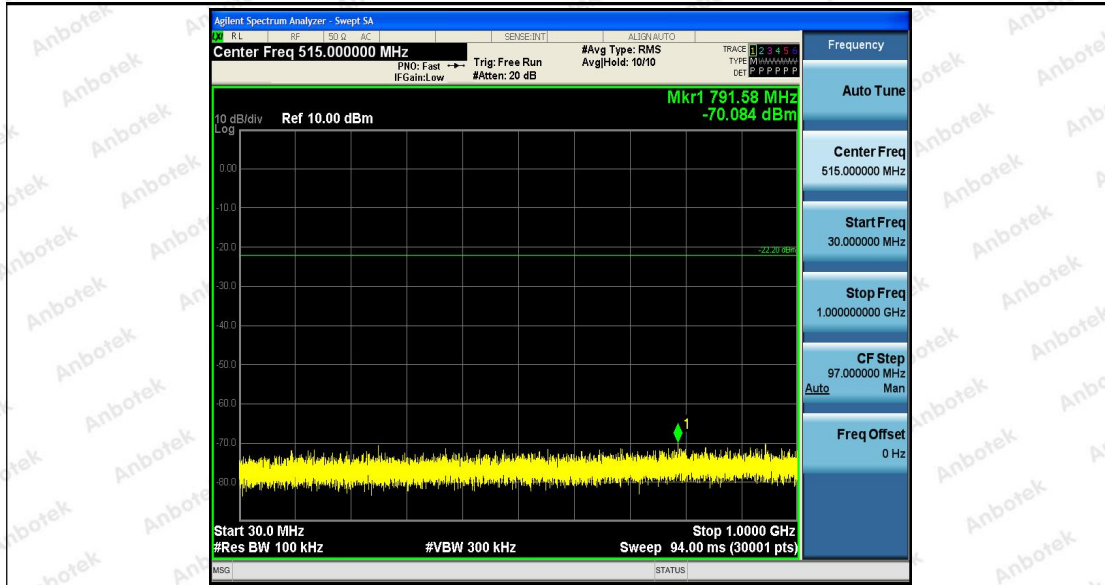


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BLE_1M_Ant1_2480_1000~26500



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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	7.466	7.466	1	100	0	---	PASS
		2442	7.466	7.466	1	100	0	---	PASS
		2480	7.466	7.466	1	100	0	---	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2442



BLE_1M_Ant1_2480

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