

Appendix Test Data

Report No.:	18220WC20098002	Test Sample No.:	1-2-2
Start Test Date:	2022.5.7	Finish Test Date:	2022.5.16
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	23.5°C	Relative Humidity:	55.4 %
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	0.704	2401.640	2402.344	≥0.5	PASS
		2440	0.704	2439.640	2440.344	≥0.5	PASS
		2480	0.704	2479.636	2480.340	≥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	1.0370	2401.491	2402.528	---	PASS
		2440	1.0294	2439.495	2440.524	---	PASS
		2480	1.0281	2479.494	2480.522	---	PASS

Test Graphs





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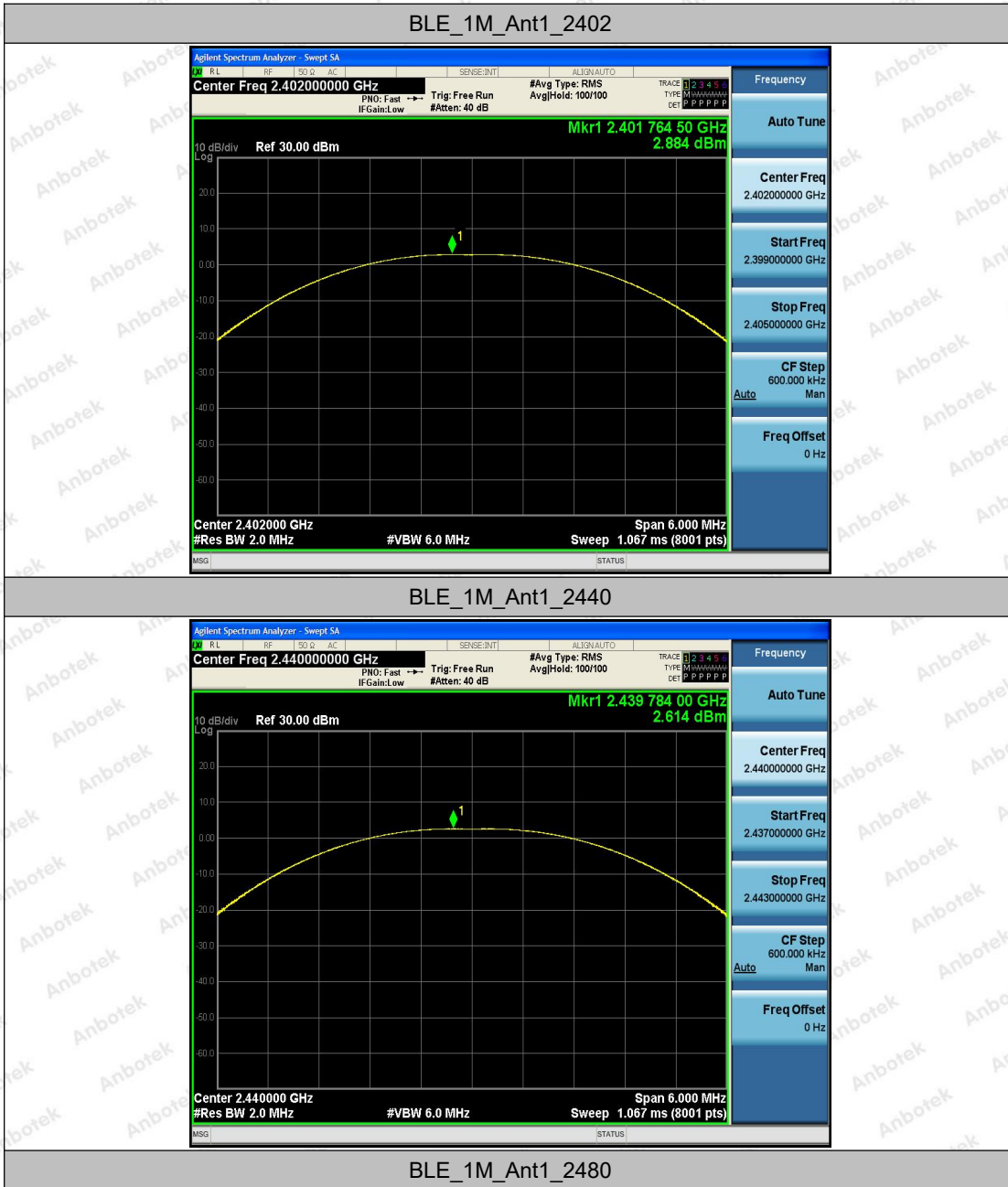
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.88	≤30	PASS
		2440	2.61	≤30	PASS
		2480	3.31	≤30	PASS

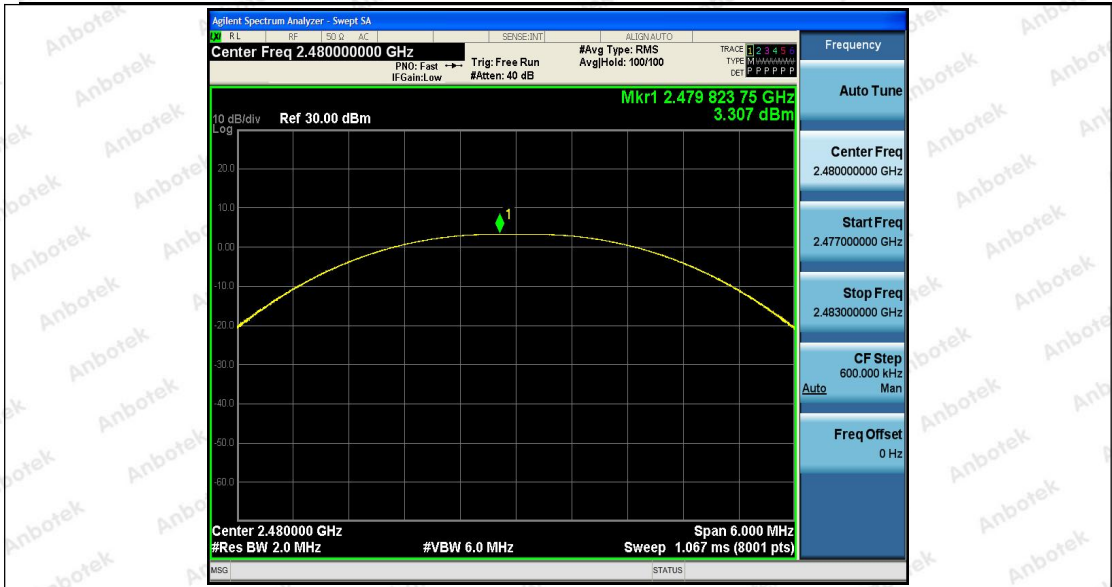
Test Graphs



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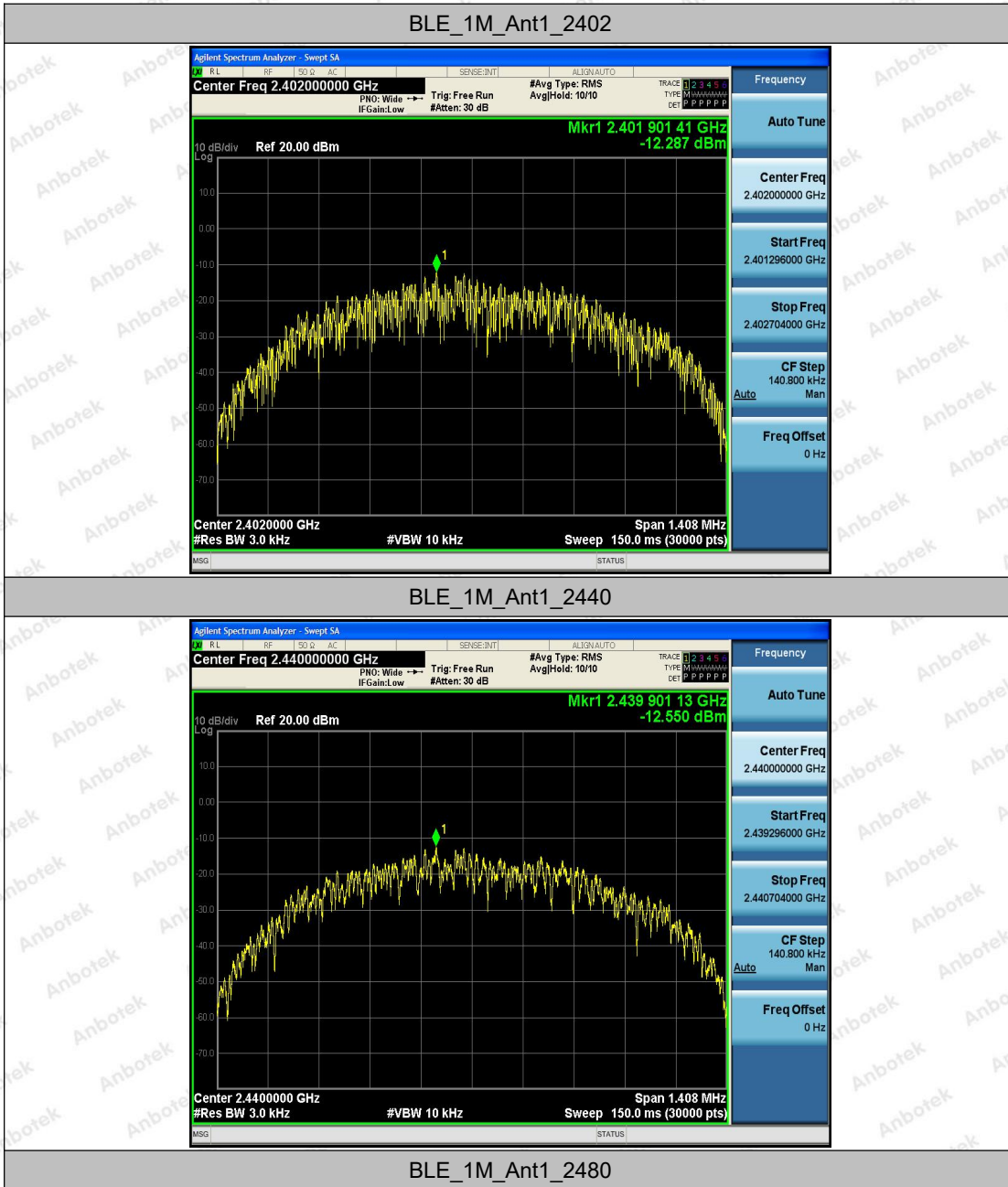
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.29	≤8	PASS
		2440	-12.55	≤8	PASS
		2480	-11.85	≤8	PASS

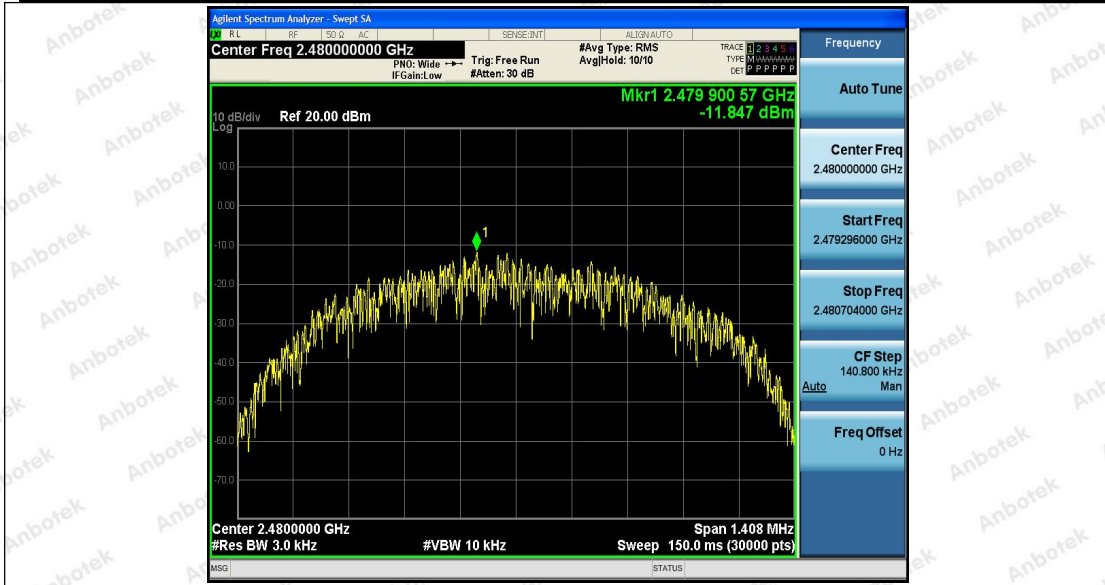
Test Graphs



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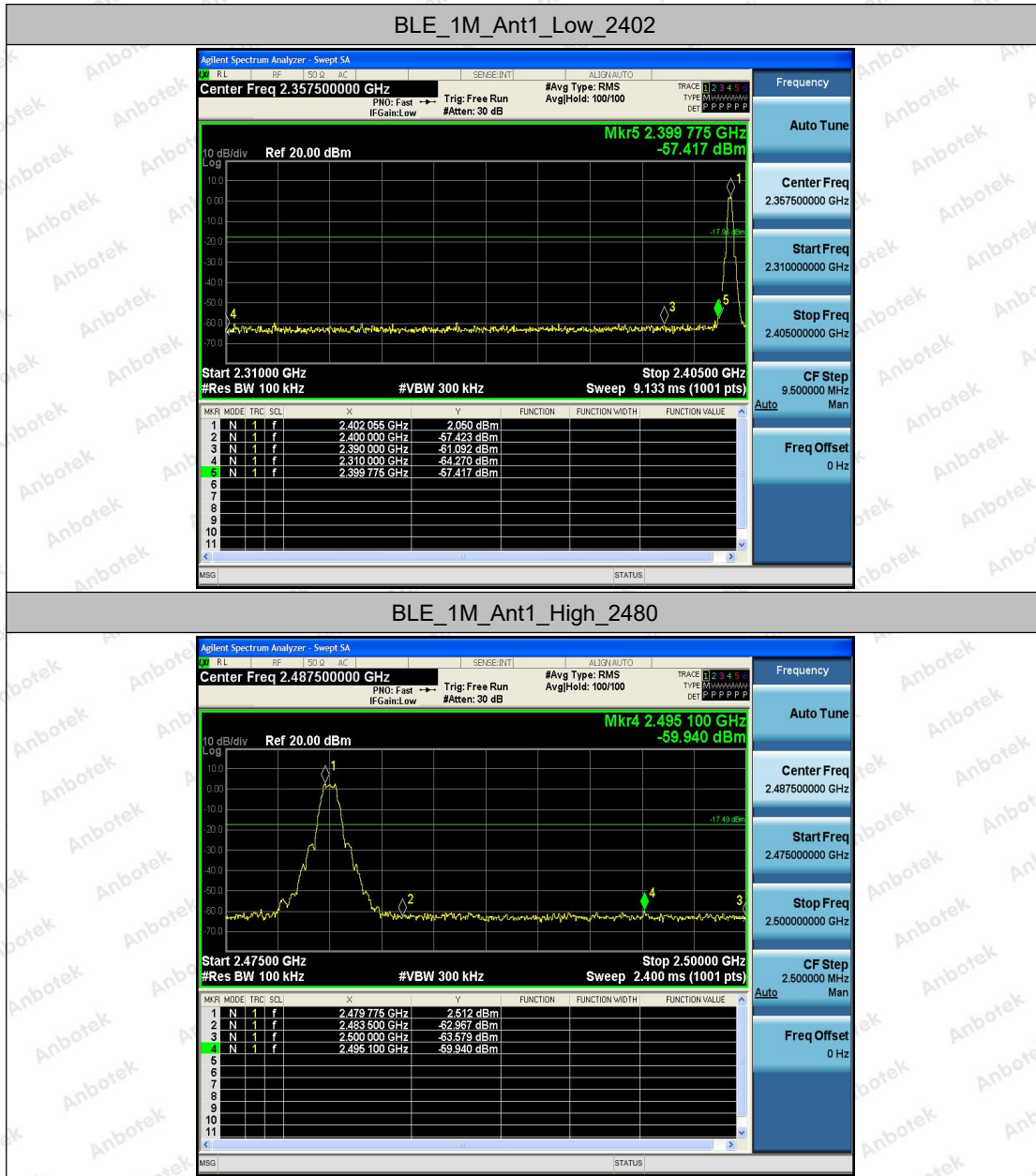
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	2.05	-57.42	≤-17.95	PASS
		High	2480	2.51	-59.94	≤-17.49	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	1.73	1.73	---	PASS
			30~1000	1.73	-70.75	≤-18.28	PASS
			1000~265 00	1.73	-54.69	≤-18.28	PASS
		2440	Reference	1.64	1.64	---	PASS
			30~1000	1.64	-69.12	≤-18.36	PASS
			1000~265 00	1.64	-42.73	≤-18.36	PASS
		2480	Reference	2.40	2.40	---	PASS
			30~1000	2.40	-70.53	≤-17.6	PASS
			1000~265 00	2.40	-55.72	≤-17.6	PASS

Test Graphs

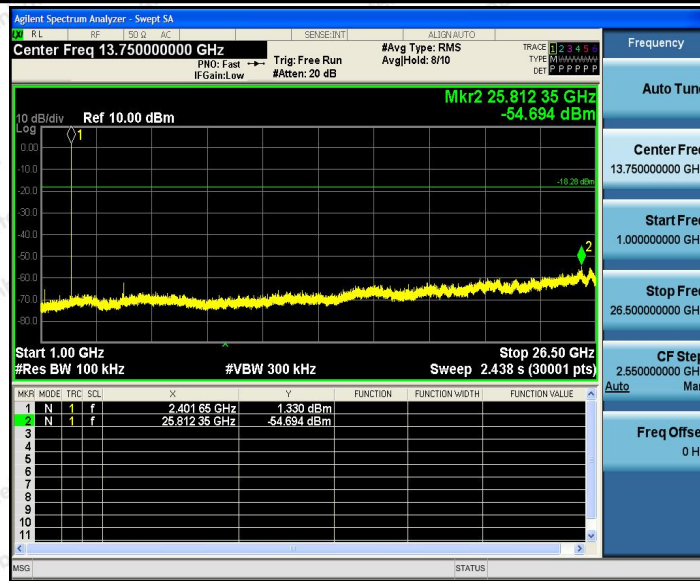


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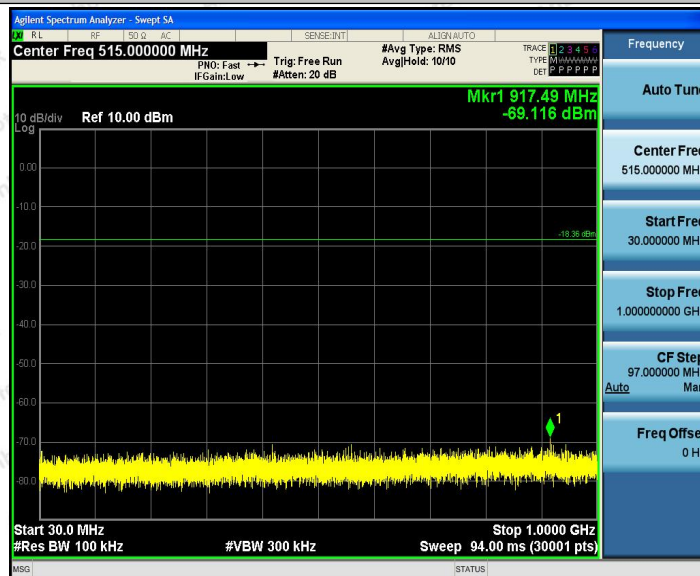
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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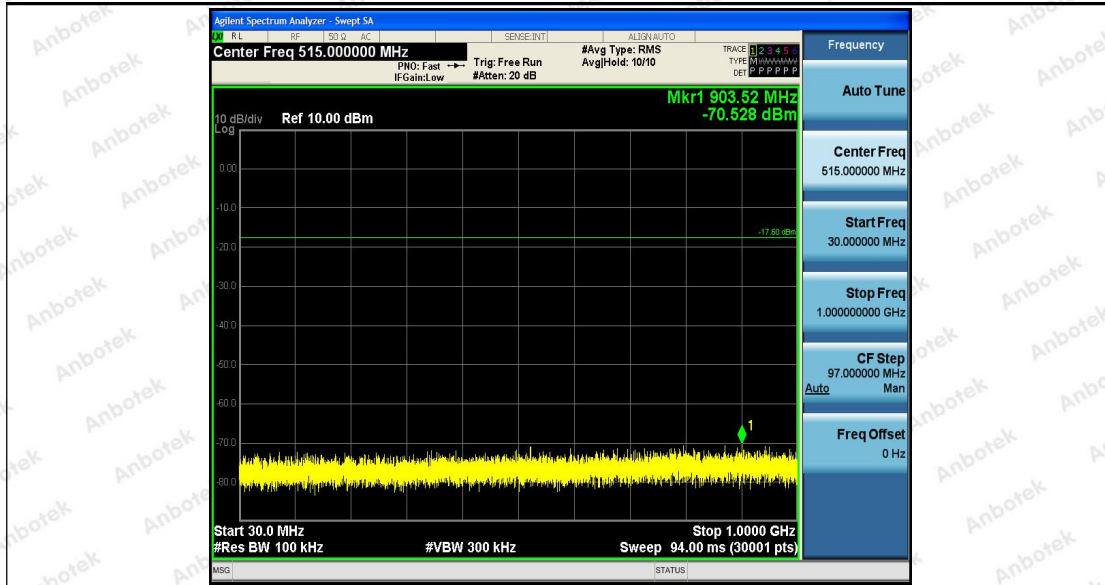


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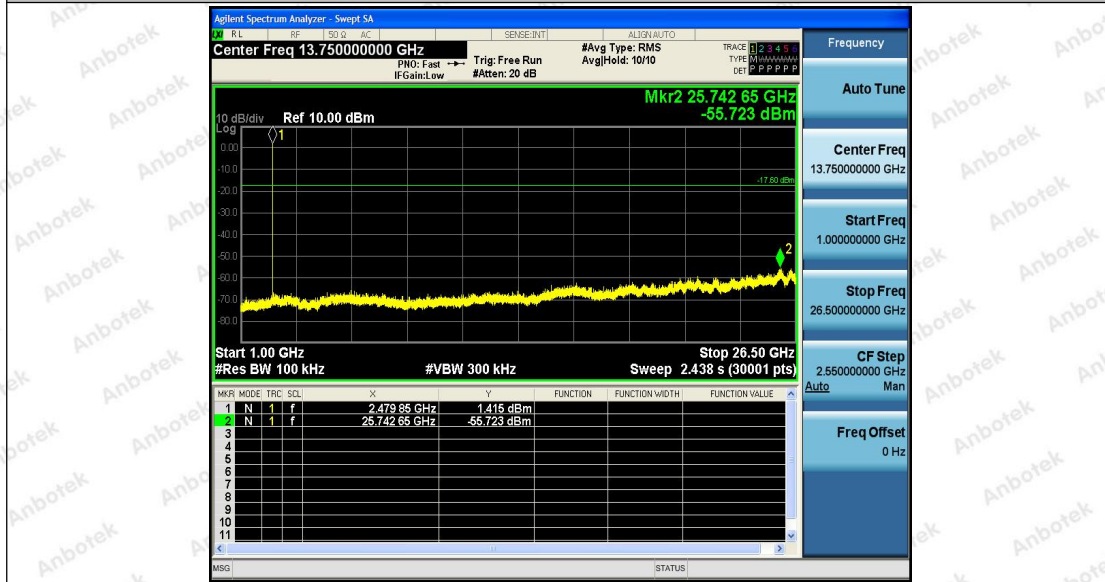
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BLE_1M_Ant1_2480_1000~26500



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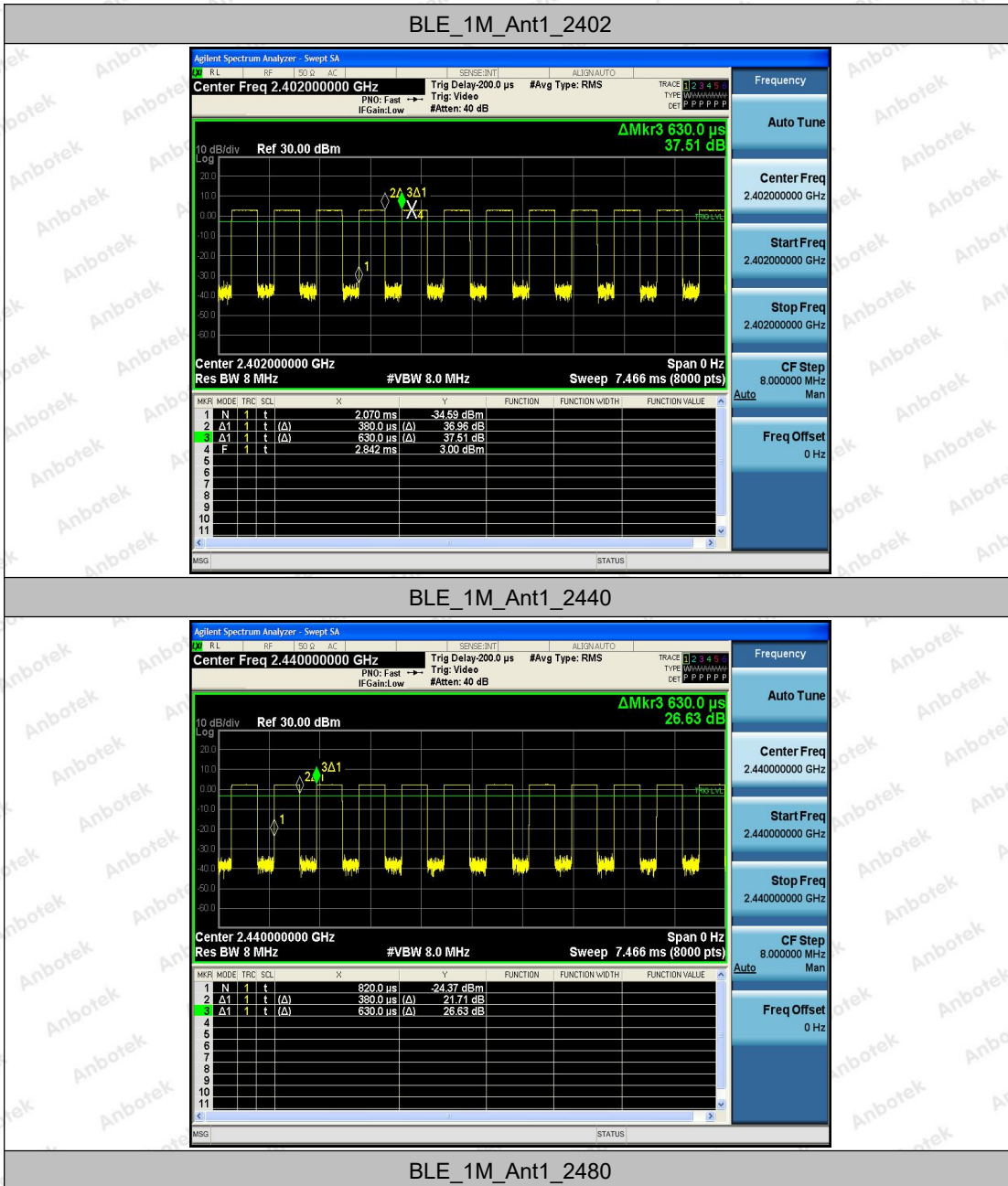
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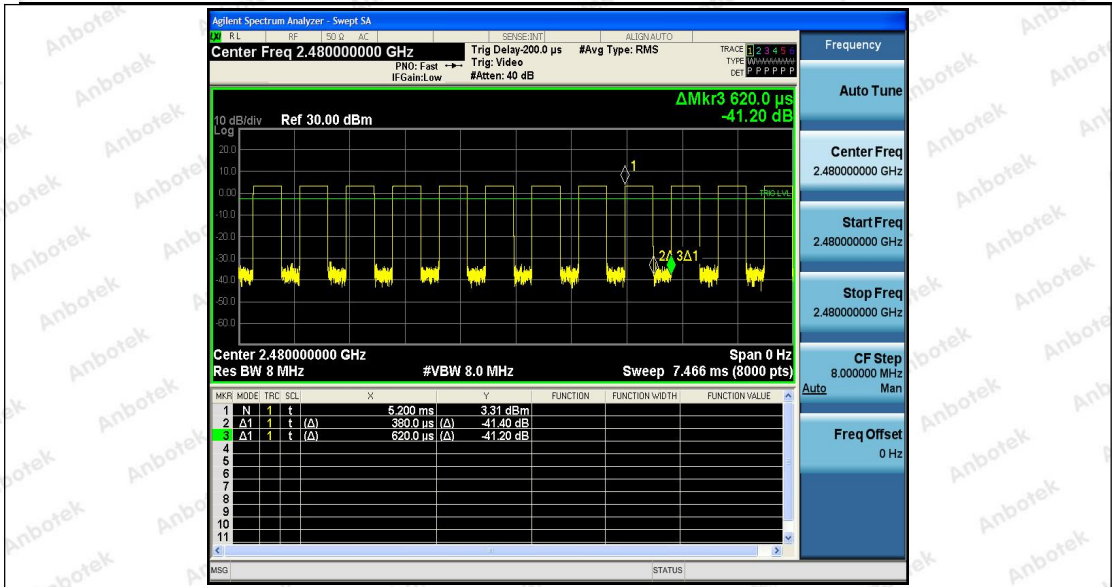
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	0.38	0.63	0.603 2	60.32	2.20	---	PASS
		2440	0.38	0.63	0.603 2	60.32	2.20	---	PASS
		2480	0.38	0.62	0.612 9	61.29	2.13	---	PASS

Test Graphs





---End---

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