

Appendix Test Data

Report No.:	18220WC10287602	Test Sample No.:	1-2-2
Start Test Date:	2021.12.29	Finish Test Date:	2022.1.10
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	0.660	2401.672	2402.332	≥0.5	PASS
		2440	0.712	2439.632	2440.344	≥0.5	PASS
		2480	0.716	2479.624	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	1.0307	2401.490	2402.520	---	PASS
		2440	1.0272	2439.493	2440.520	---	PASS
		2480	1.0241	2479.491	2480.515	---	PASS

Test Graphs





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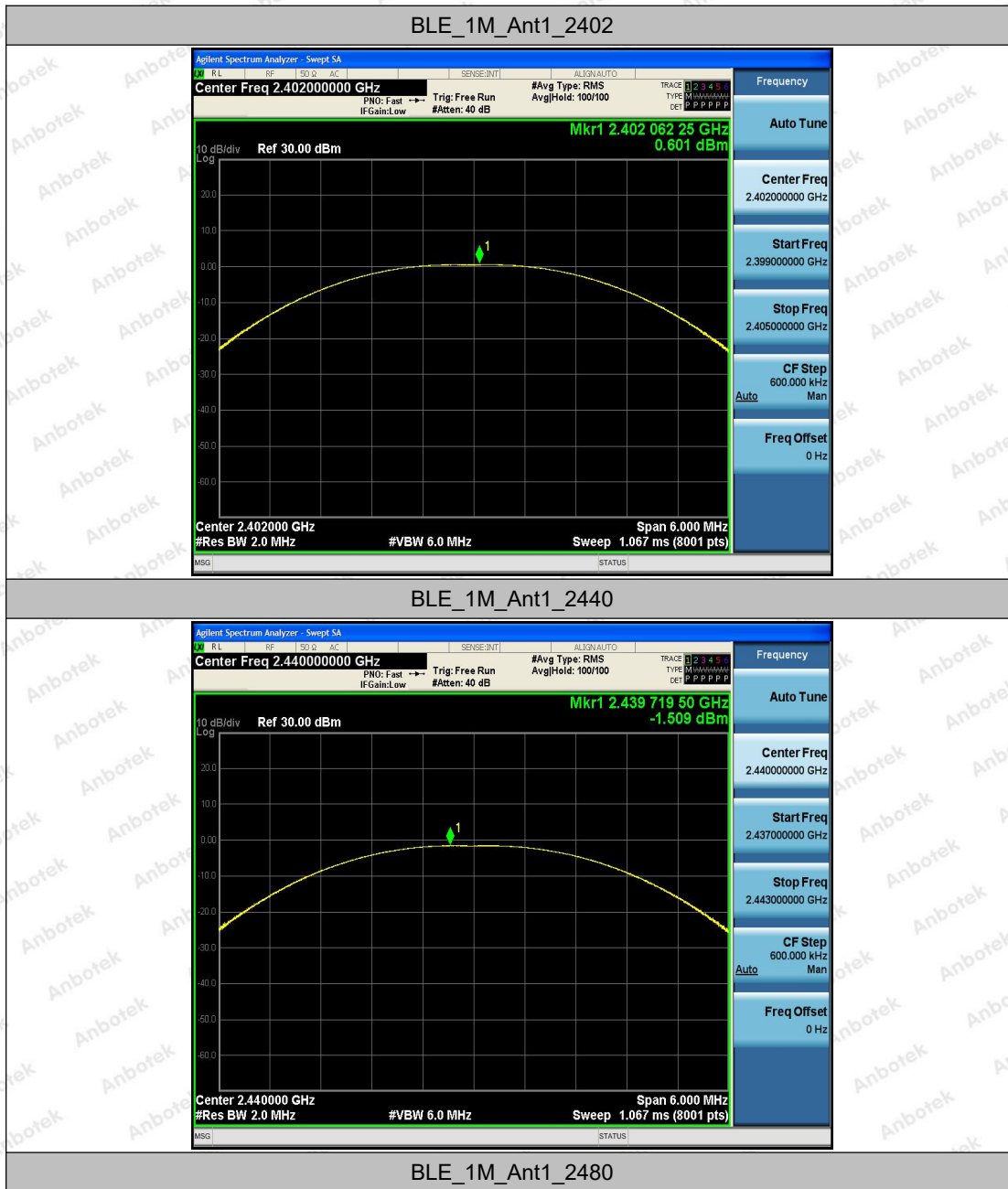
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.6	≤30	PASS
		2440	-1.51	≤30	PASS
		2480	0.57	≤30	PASS

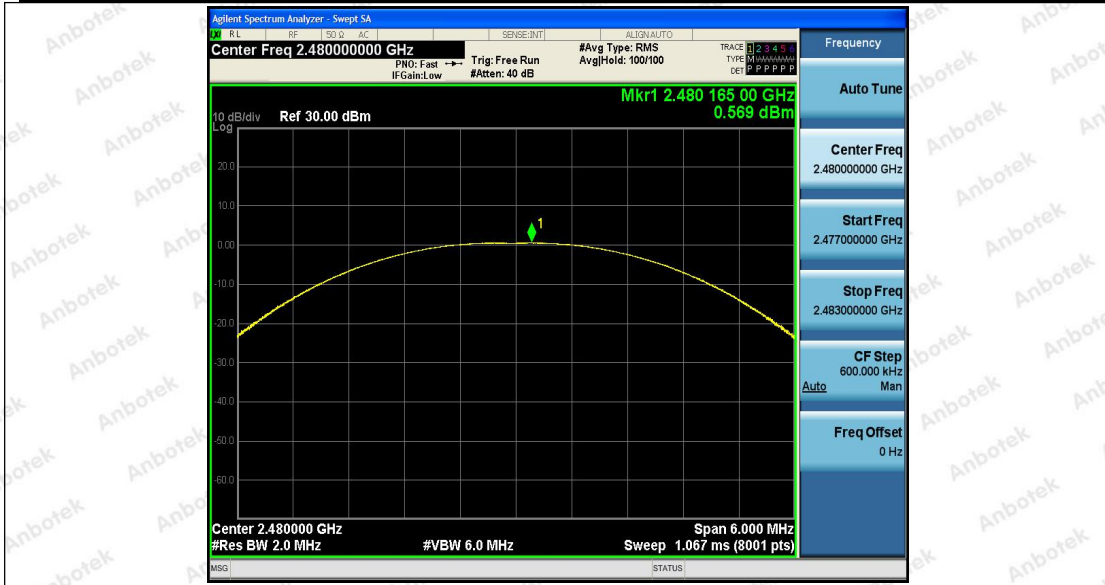
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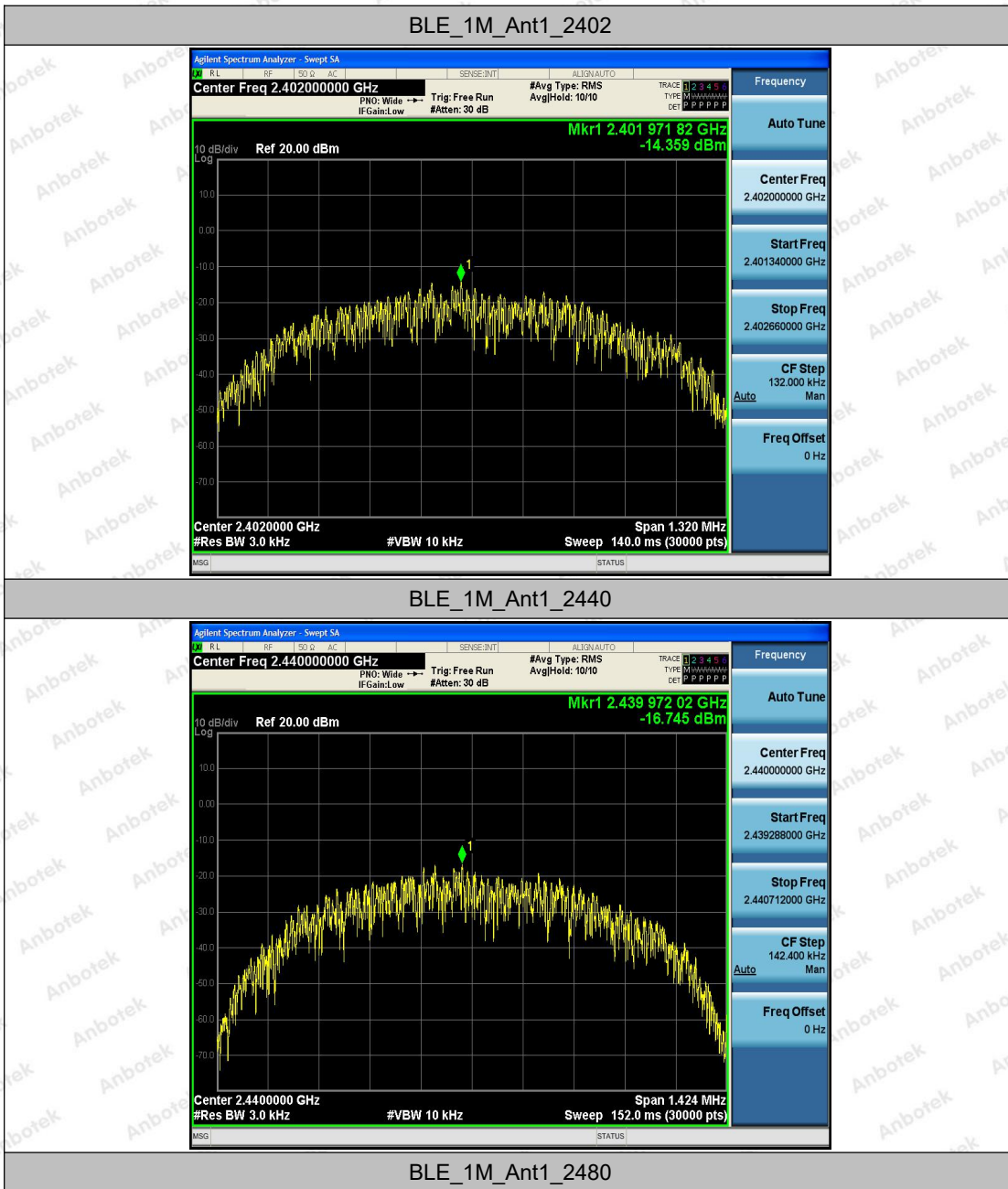
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.36	≤ 8	PASS
		2440	-16.75	≤ 8	PASS
		2480	-14.39	≤ 8	PASS

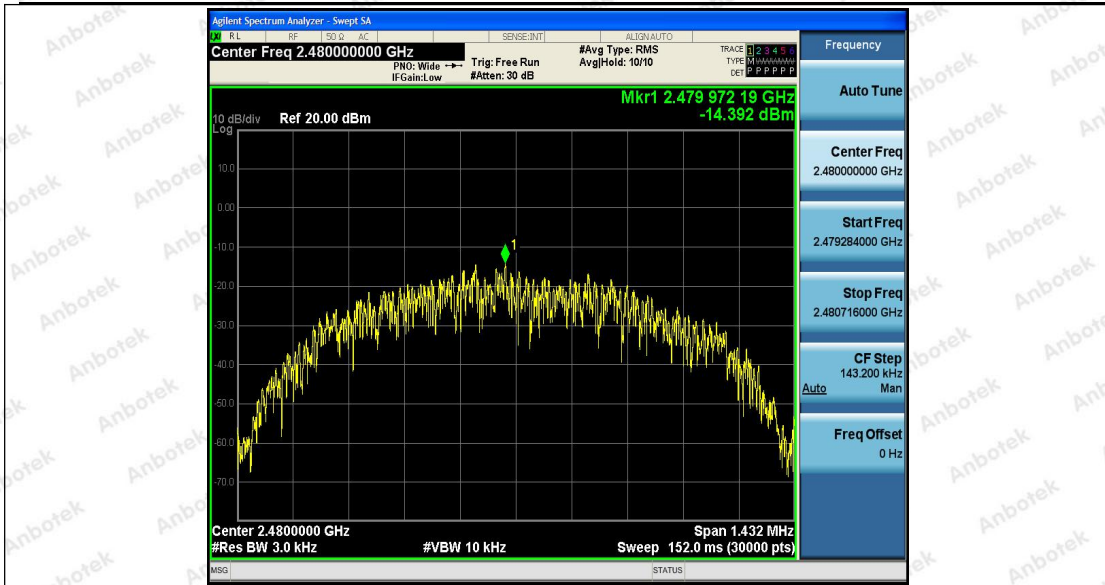
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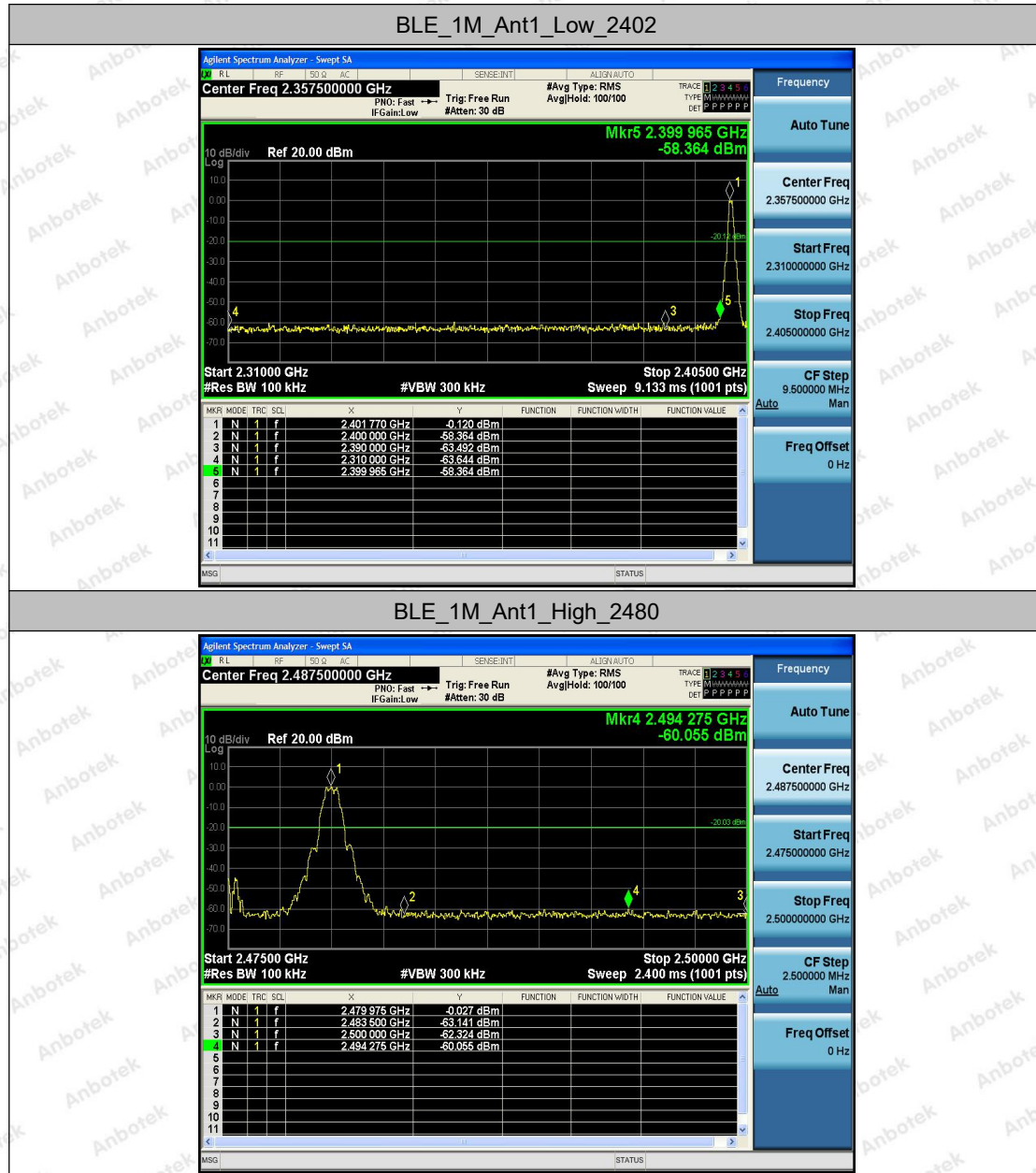
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.12	-58.36	≤-20.12	PASS
		High	2480	-0.03	-60.06	≤-20.03	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	-0.57	-0.57	---	PASS
			30~1000	-0.57	-62.95	≤-20.57	PASS
			1000~265 00	-0.57	-47.63	≤-20.57	PASS
		2440	Reference	-2.45	-2.45	---	PASS
			30~1000	-2.45	-68.67	≤-22.45	PASS
			1000~265 00	-2.45	-47.59	≤-22.45	PASS
		2480	Reference	-0.31	-0.31	---	PASS
			30~1000	-0.31	-69.42	≤-20.31	PASS
			1000~265 00	-0.31	-51.7	≤-20.31	PASS

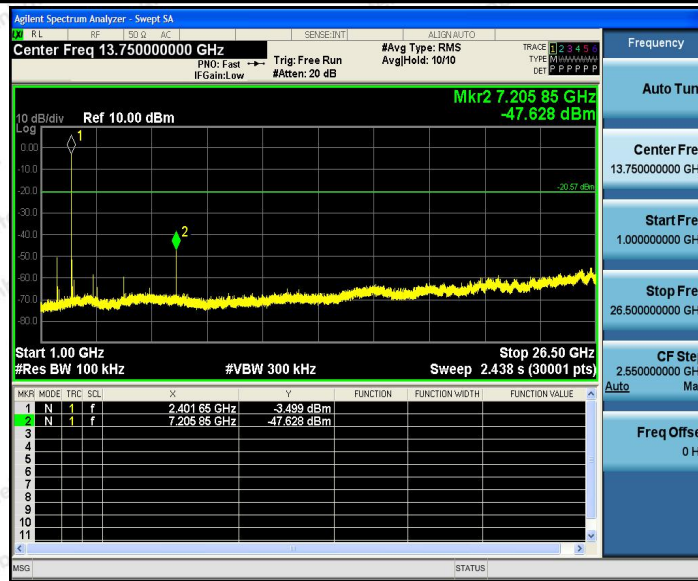
Test Graphs



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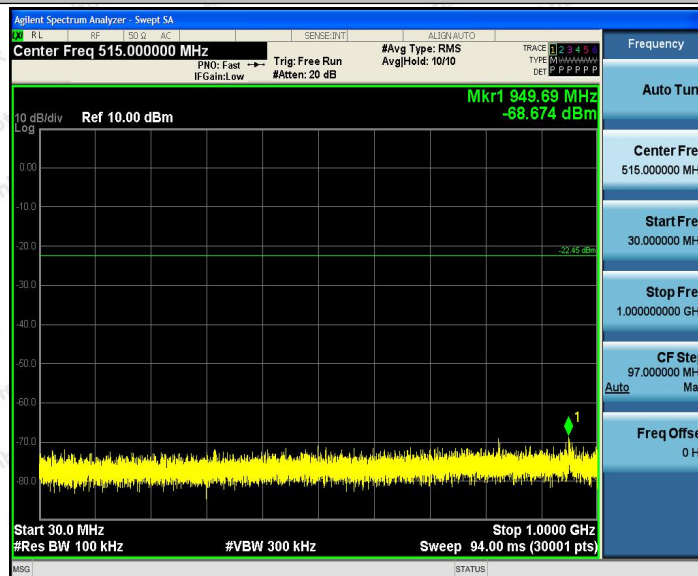
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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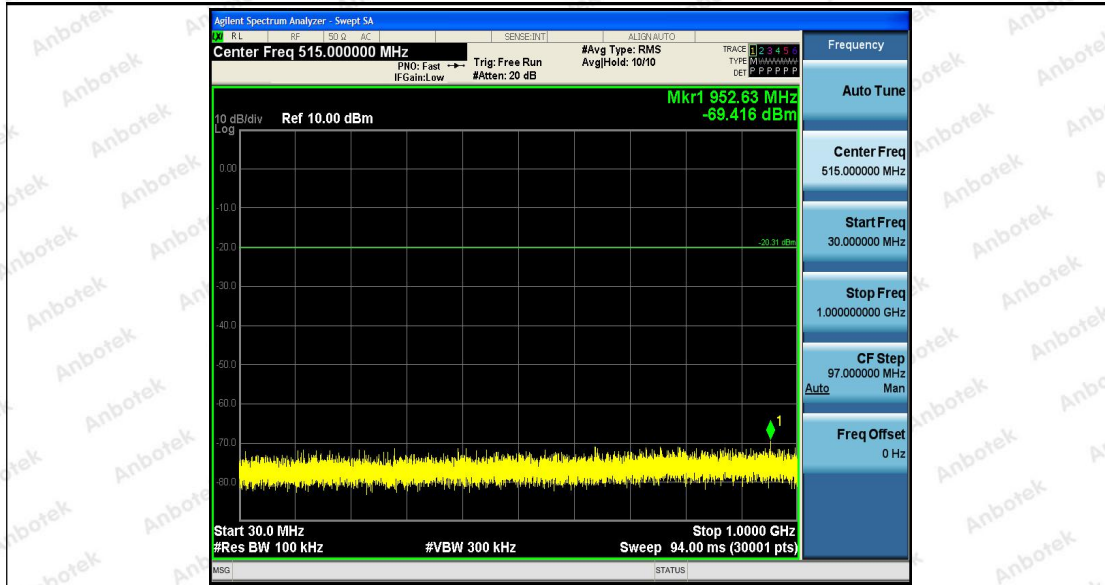
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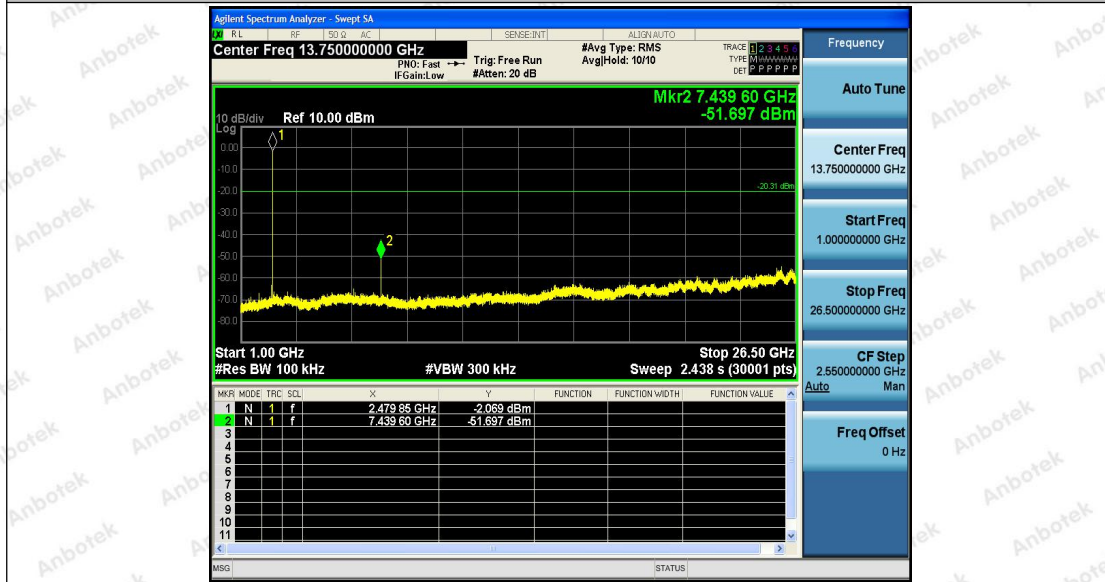
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BLE_1M_Ant1_2480_1000~26500



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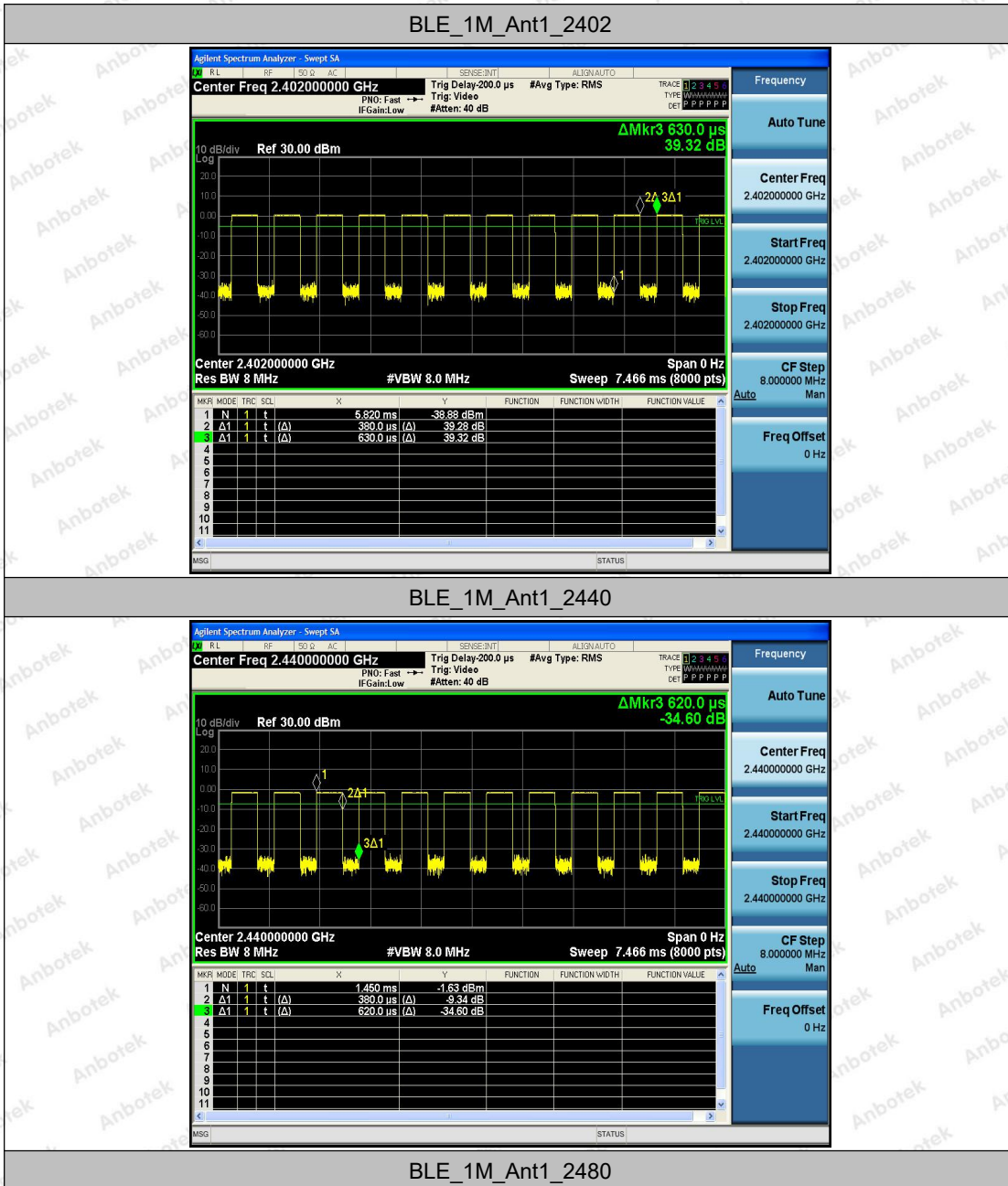
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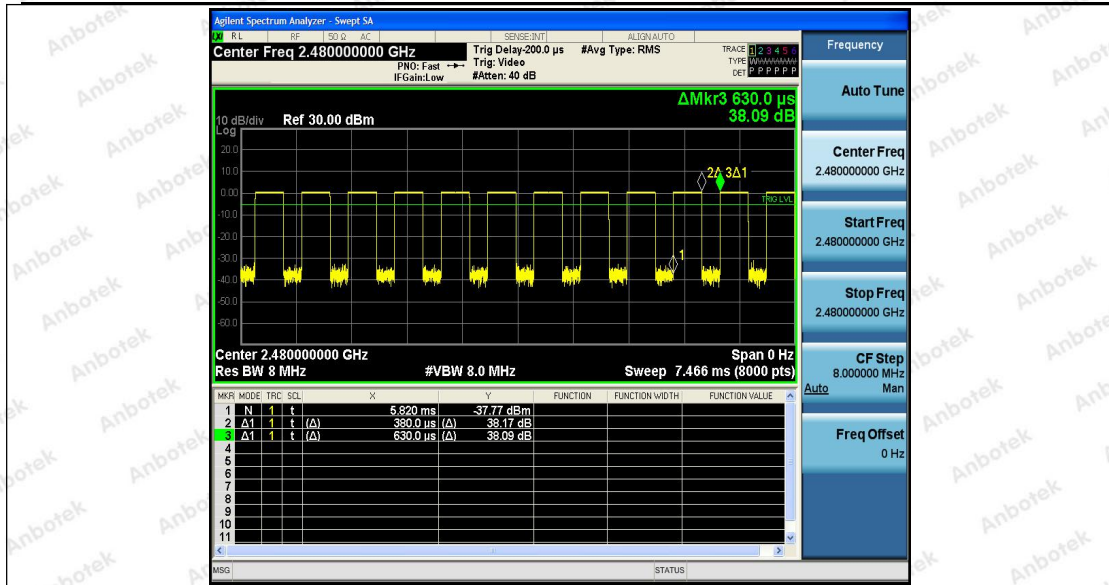
Appendix G: Duty Cycle

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	0.62	0.612 9	61.29	2.13	---	PASS
		2480	0.38	0.63	0.603 2	60.32	2.20	---	PASS

Test Graphs





---End---