

Appendix Test Data

Report No.:	18220WC20108602	Test Sample No.:	1-2-2
Start Test Date:	2022.5.19	Finish Test Date:	2022.5.24
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	0.712	2401.636	2402.348	≥0.5	PASS
		2440	0.708	2439.640	2440.348	≥0.5	PASS
		2480	0.692	2479.644	2480.336	≥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	1.0281	2401.493	2402.521	---	PASS
		2440	1.0264	2439.498	2440.524	---	PASS
		2480	1.0199	2479.504	2480.524	---	PASS

Test Graphs



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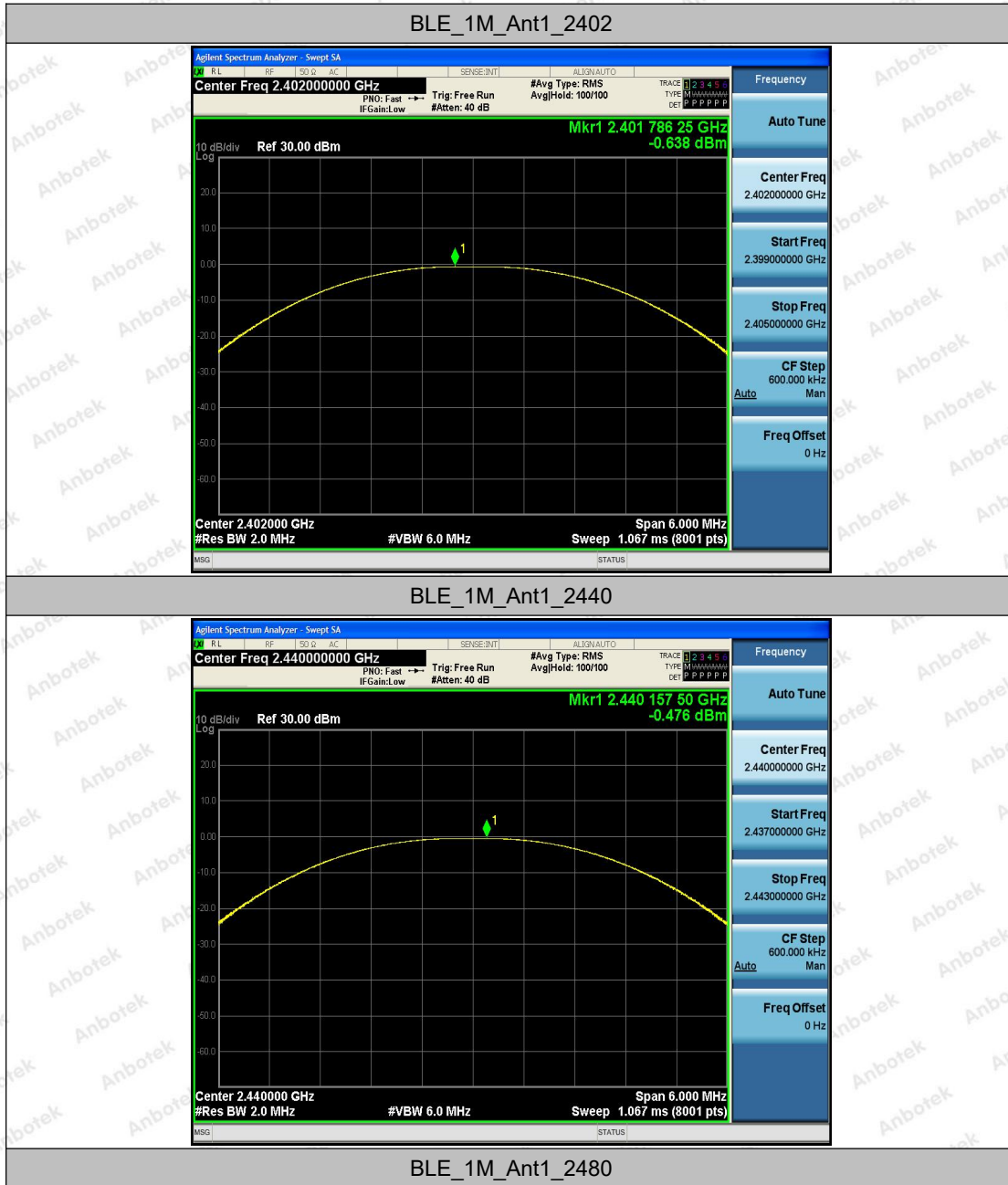
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.64	≤30	PASS
		2440	-0.48	≤30	PASS
		2480	-0.16	≤30	PASS

Test Graphs

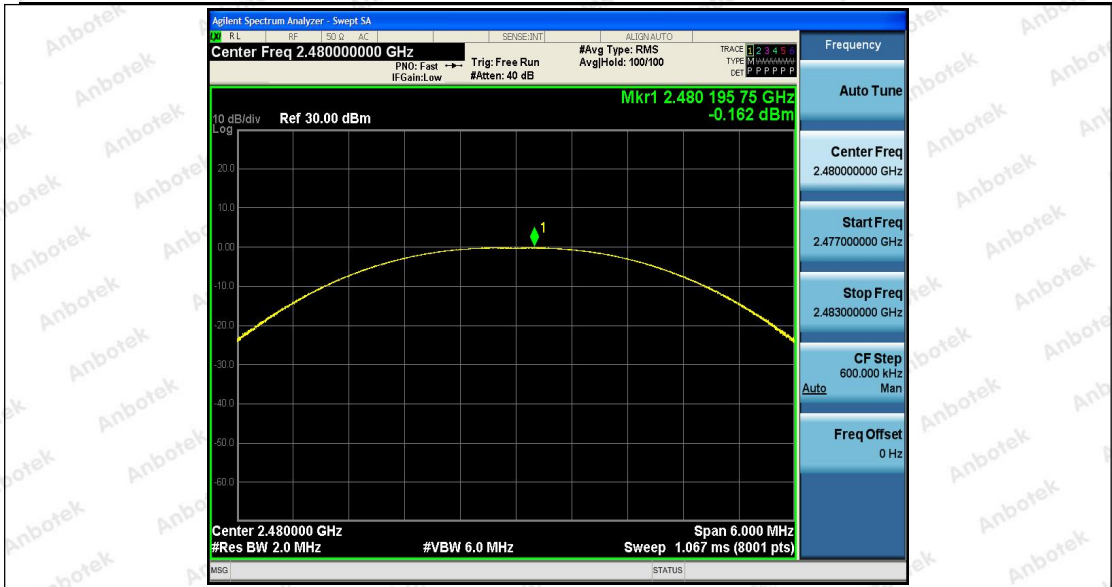


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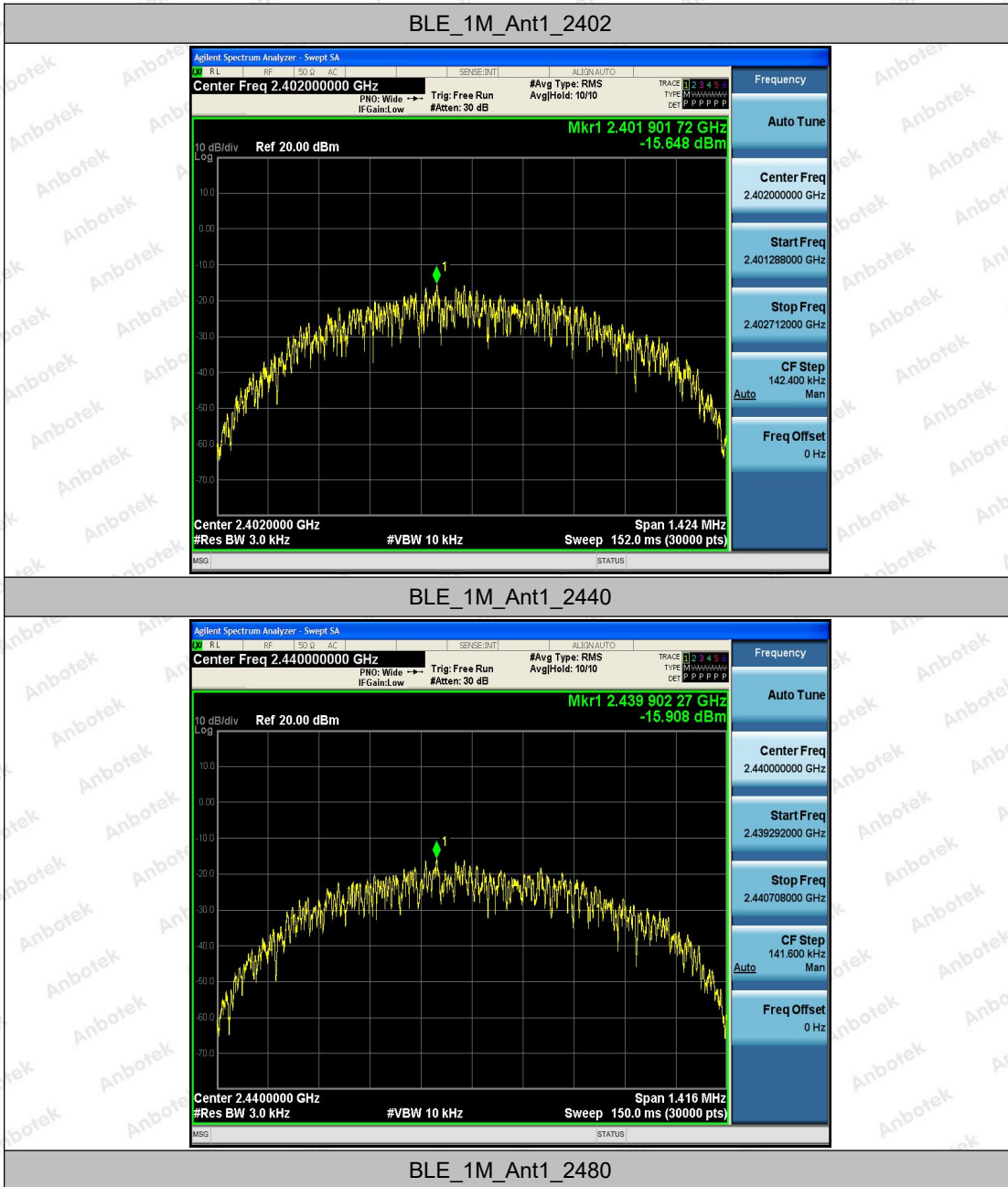
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.65	≤8	PASS
		2440	-15.91	≤8	PASS
		2480	-15.74	≤8	PASS

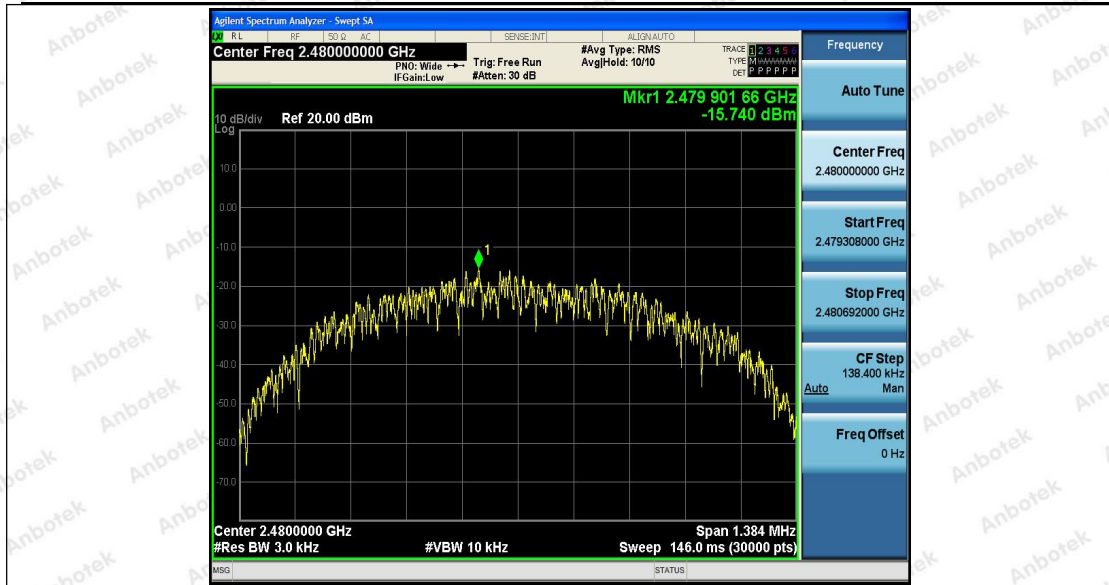
Test Graphs



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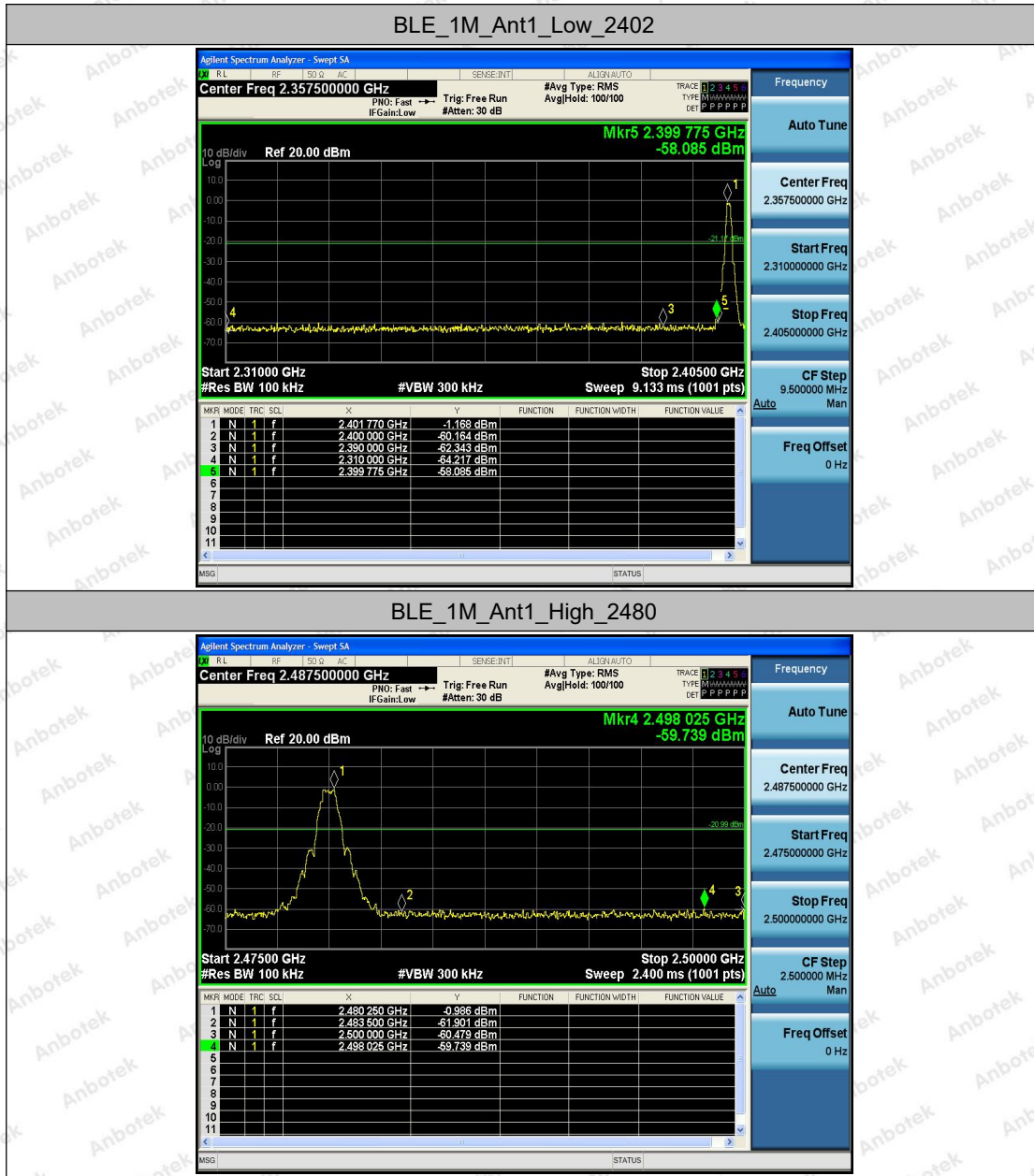
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.17	-58.09	≤ -21.17	PASS
		High	2480	-0.99	-59.74	≤ -20.99	PASS

Test Graphs



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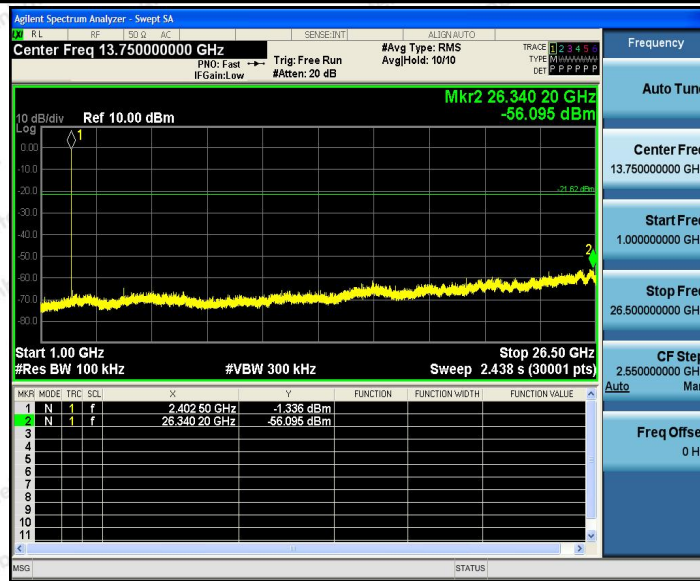
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-1.62	-1.62	---	PASS
			30~1000	-1.62	-69.57	≤-21.62	PASS
			1000~265 00	-1.62	-56.1	≤-21.62	PASS
		2440	Reference	-1.81	-1.81	---	PASS
			30~1000	-1.81	-69.59	≤-21.81	PASS
			1000~265 00	-1.81	-55.71	≤-21.81	PASS
		2480	Reference	-1.12	-1.12	---	PASS
			30~1000	-1.12	-70.58	≤-21.12	PASS
			1000~265 00	-1.12	-55.77	≤-21.12	PASS

Test Graphs

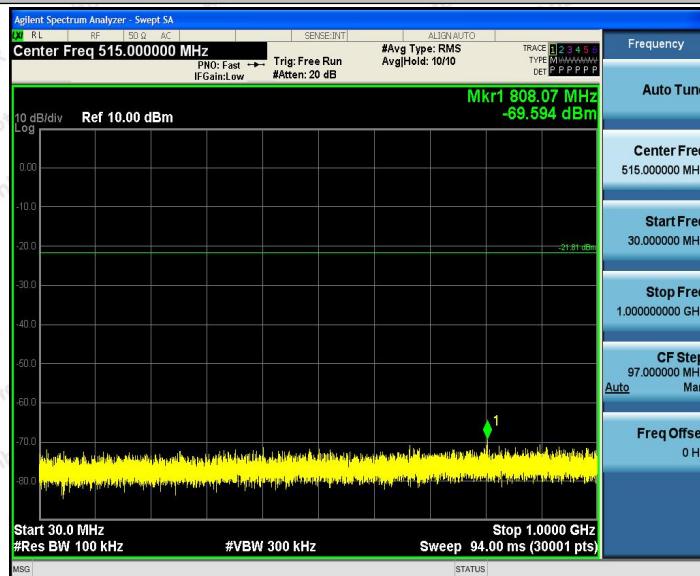




BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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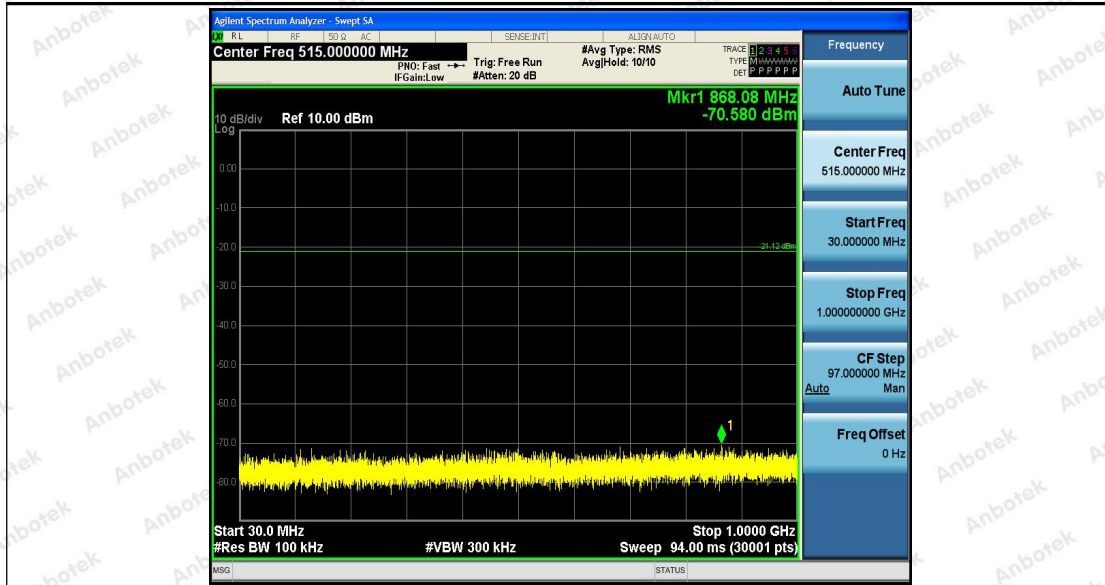


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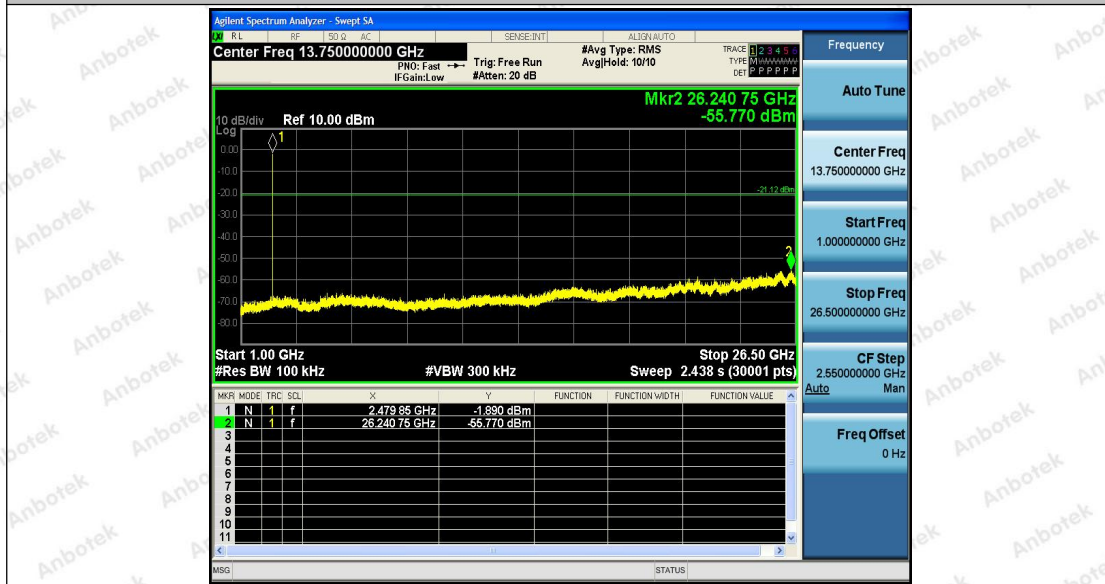
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BLE_1M_Ant1_2480_1000~26500



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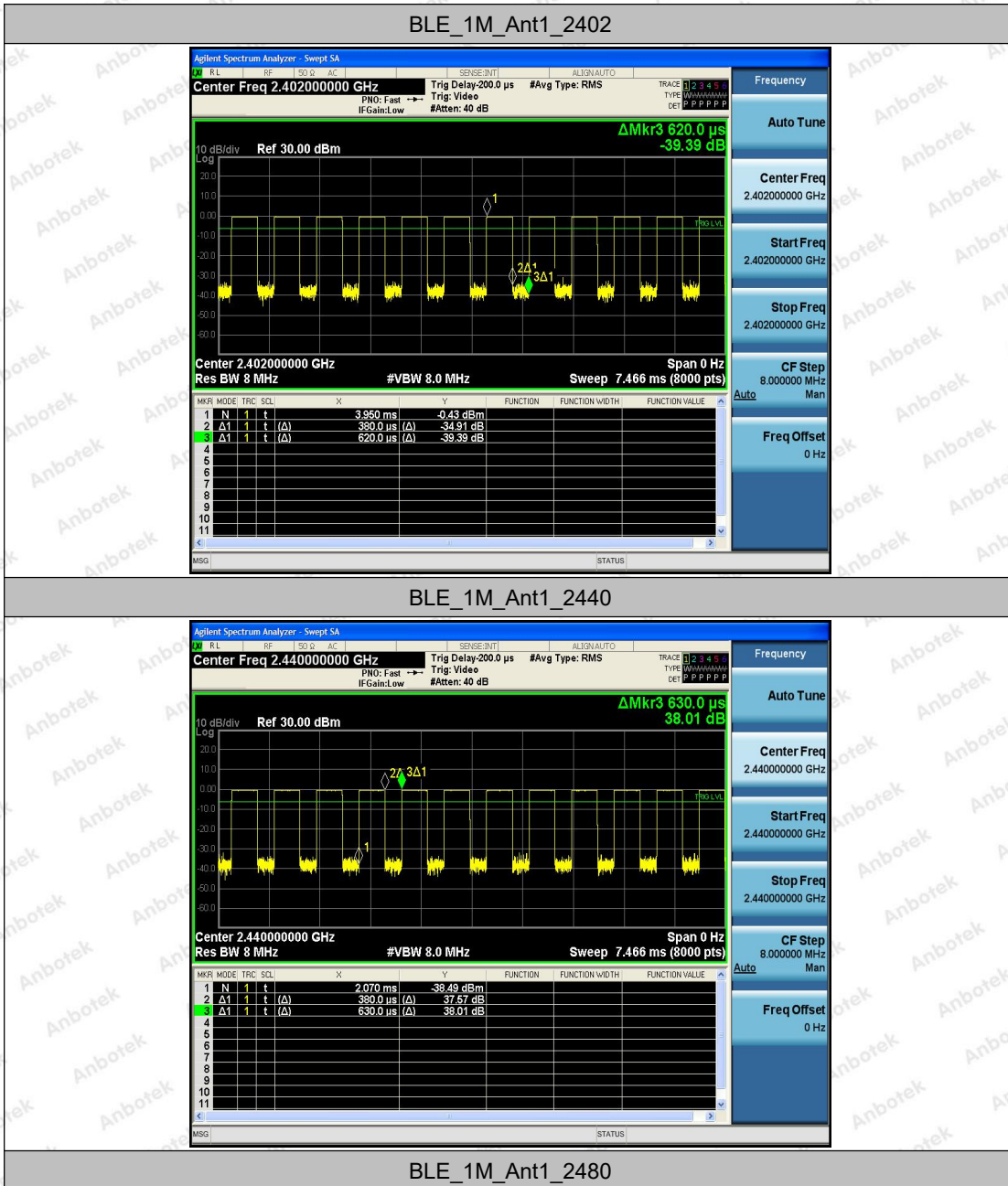
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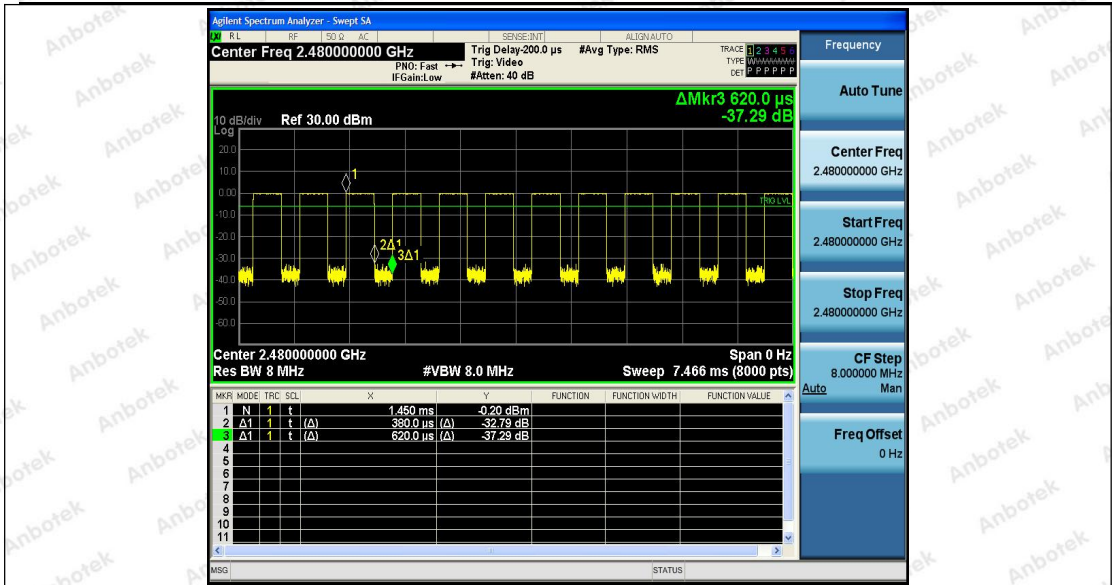
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	0.38	0.62	0.6129	61.29	2.13	---	PASS
		2440	0.38	0.63	0.6032	60.32	2.20	---	PASS
		2480	0.38	0.62	0.6129	61.29	2.13	---	PASS

Test Graphs





---End---