

Appendix Test Data

Report No.:	18220WC10290502	Test Sample No.:	1-2-2
Start Test Date:	2021.12.28	Finish Test Date:	2022.1.5
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	22.3°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	2401.680	2402.336	≥0.5	PASS
		2440	0.688	2439.652	2440.340	≥0.5	PASS
		2480	0.712	2479.628	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	1.0336	2401.487	2402.521	---	PASS
		2440	1.0260	2439.490	2440.516	---	PASS
		2480	1.0316	2479.488	2480.519	---	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	0.45	≤30	PASS
		2440	-0.57	≤30	PASS
		2480	1.44	≤30	PASS

Test Graphs

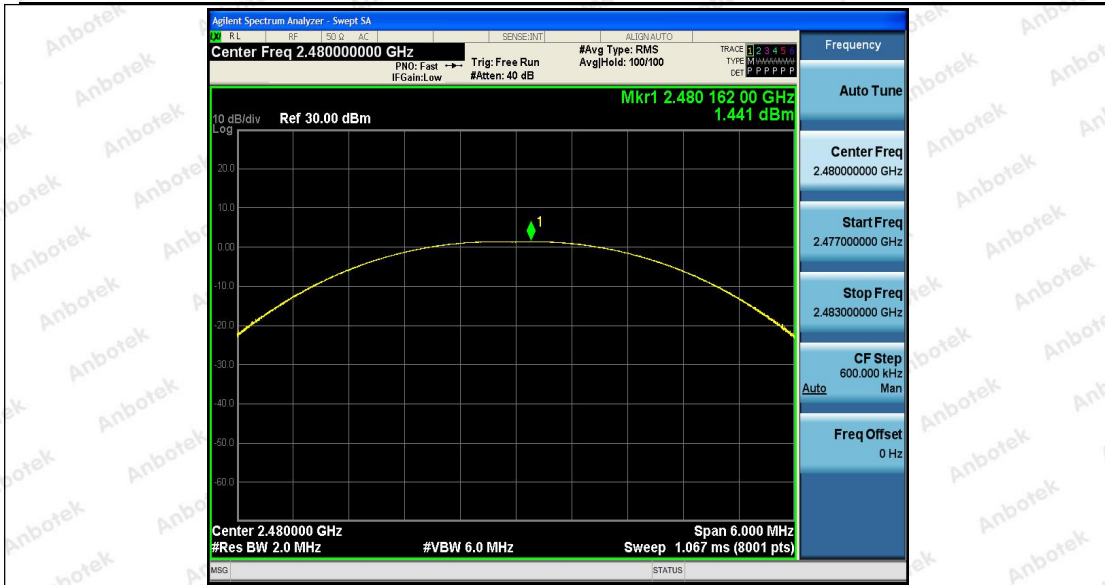


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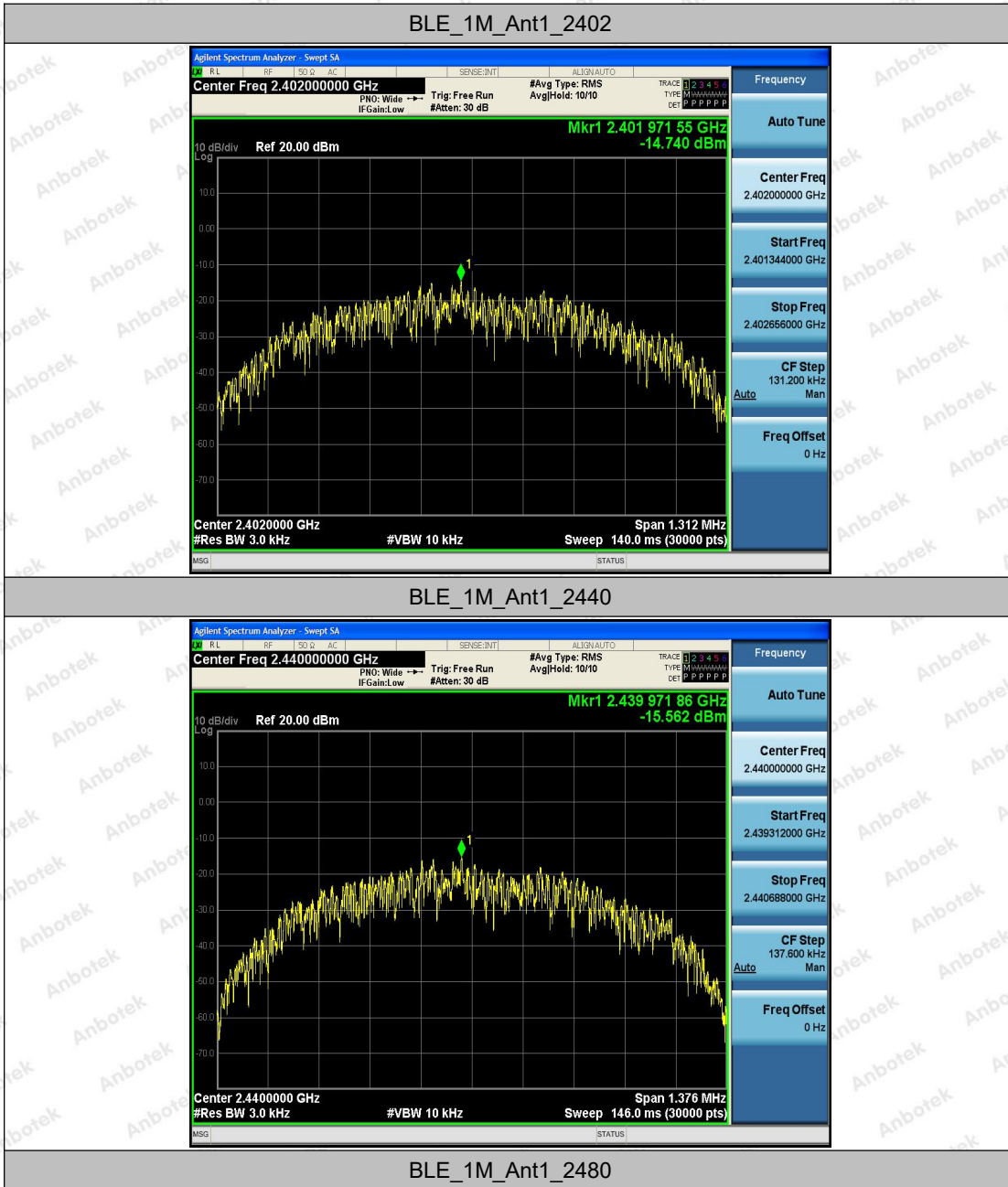
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.74	≤8	PASS
		2440	-15.56	≤8	PASS
		2480	-13.62	≤8	PASS

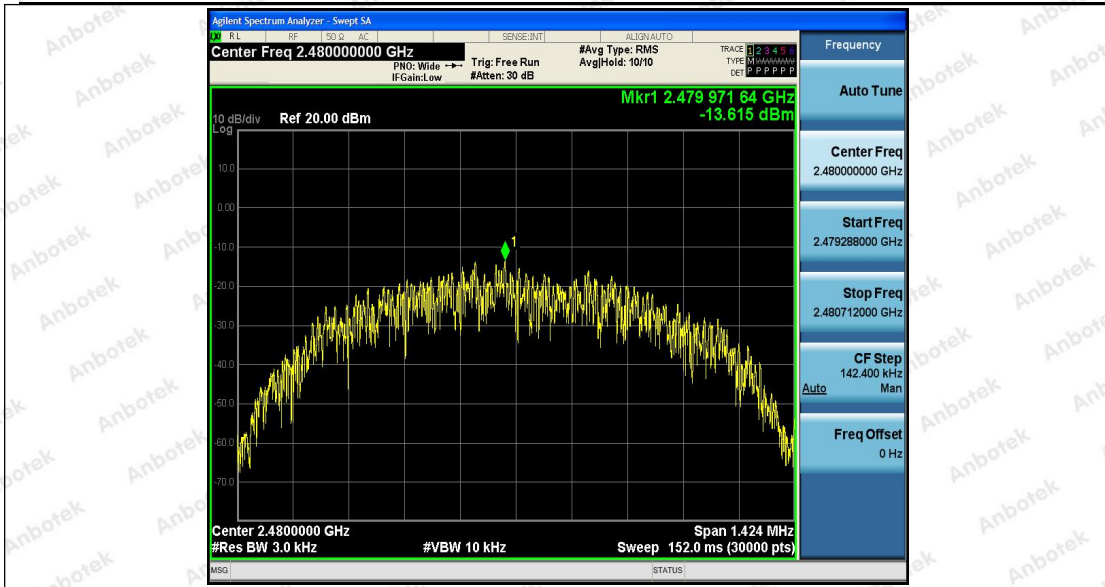
Test Graphs



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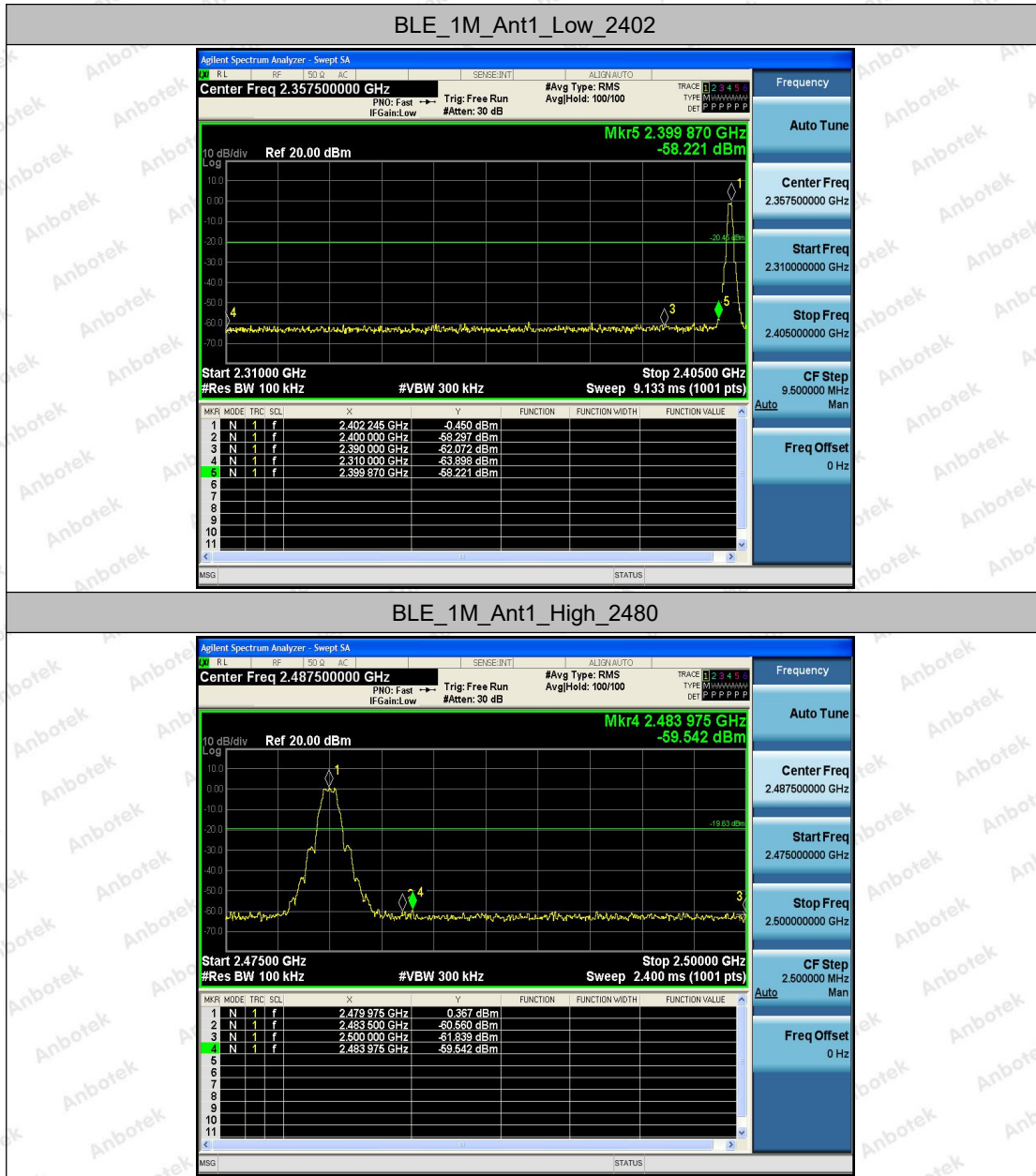
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.45	-58.22	≤-20.45	PASS
		High	2480	0.37	-59.54	≤-19.63	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	-0.54	-0.54	---	PASS
			30~1000	-0.54	-68.34	≤-20.54	PASS
			1000~265 00	-0.54	-46.47	≤-20.54	PASS
		2440	Reference	-1.36	-1.36	---	PASS
			30~1000	-1.36	-69.69	≤-21.36	PASS
			1000~265 00	-1.36	-46.82	≤-21.36	PASS
		2480	Reference	0.13	0.13	---	PASS
			30~1000	0.13	-45.42	≤-19.87	PASS
			1000~265 00	0.13	-51.31	≤-19.87	PASS

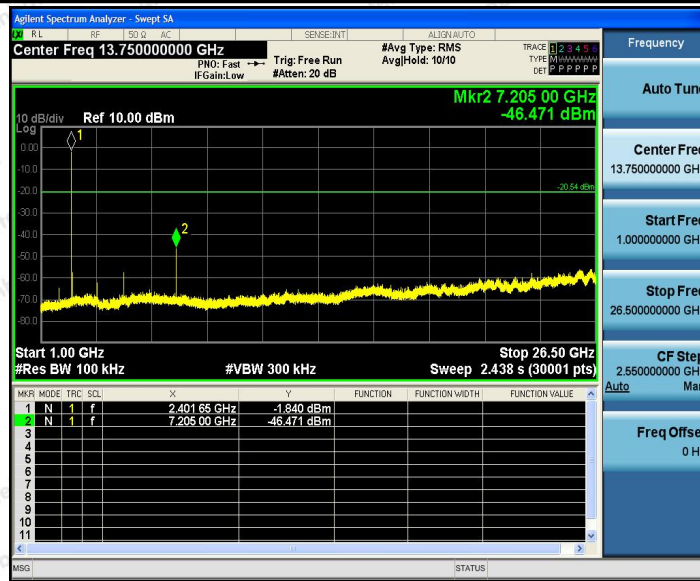
Test Graphs



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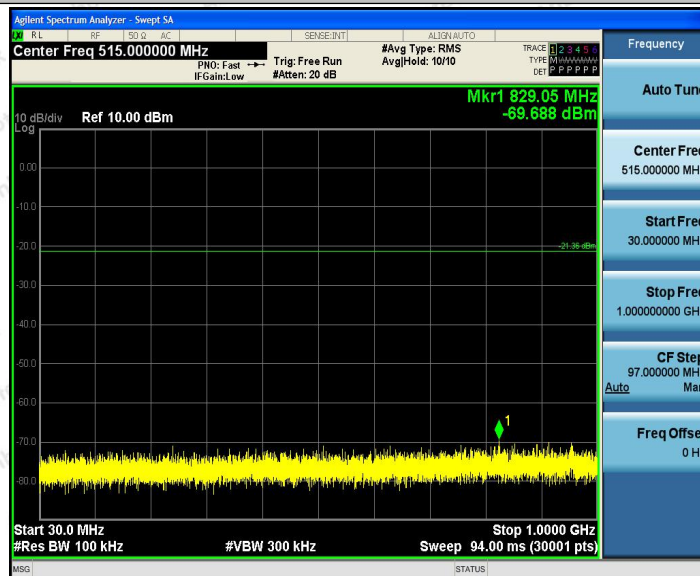
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BLE_1M_Ant1_2440_0~Reference



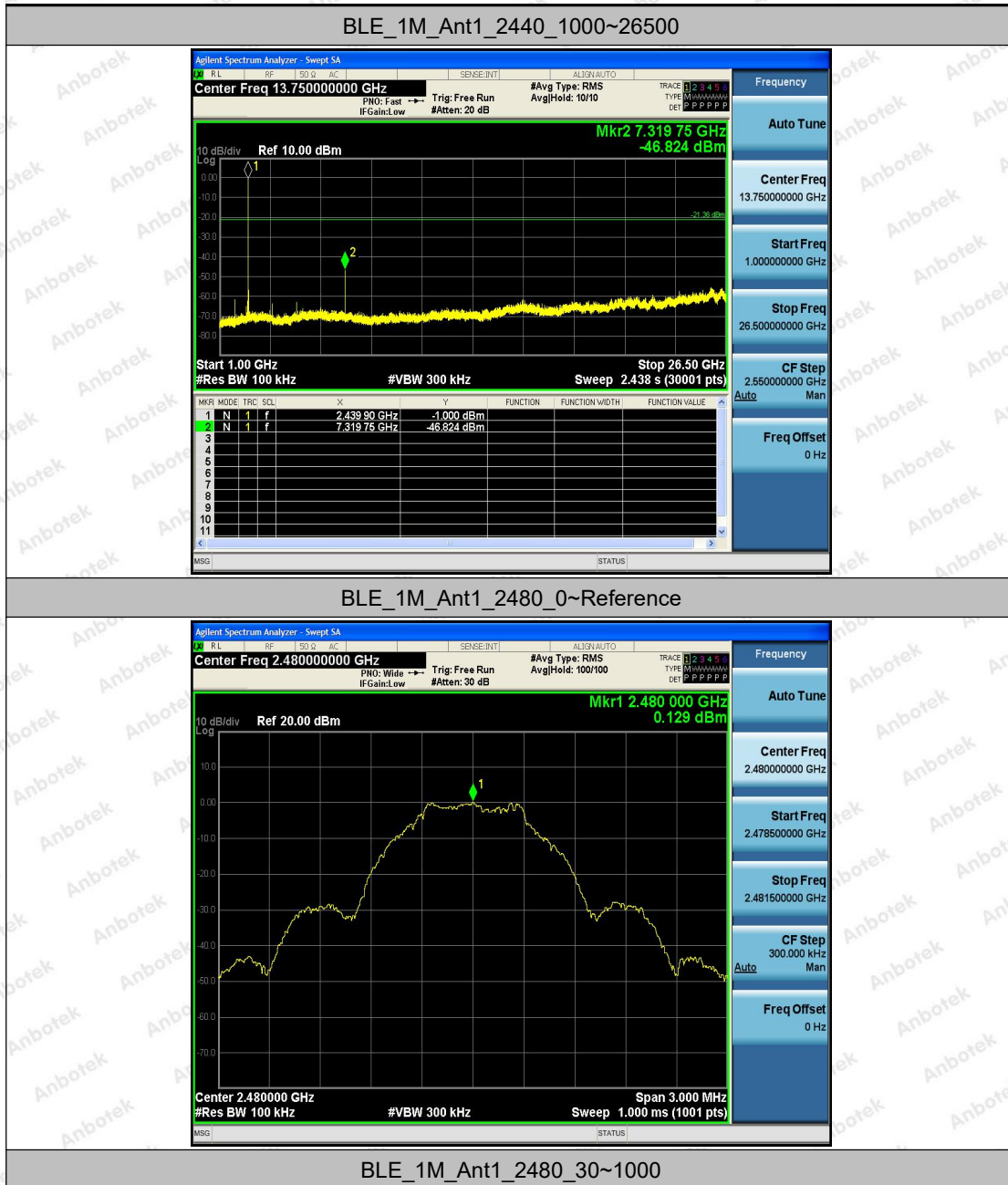
BLE_1M_Ant1_2440_30~1000



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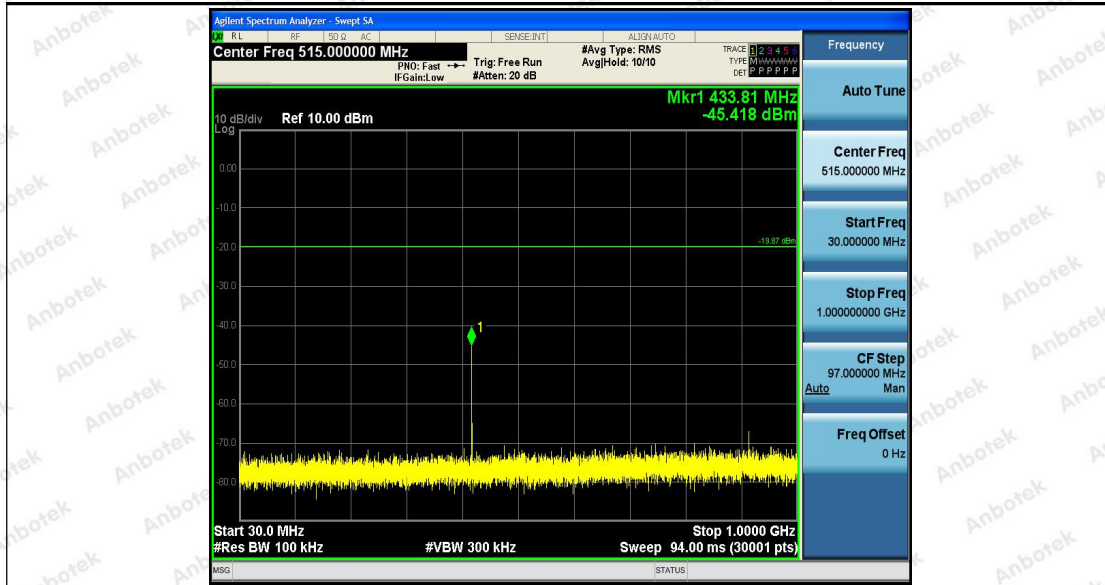


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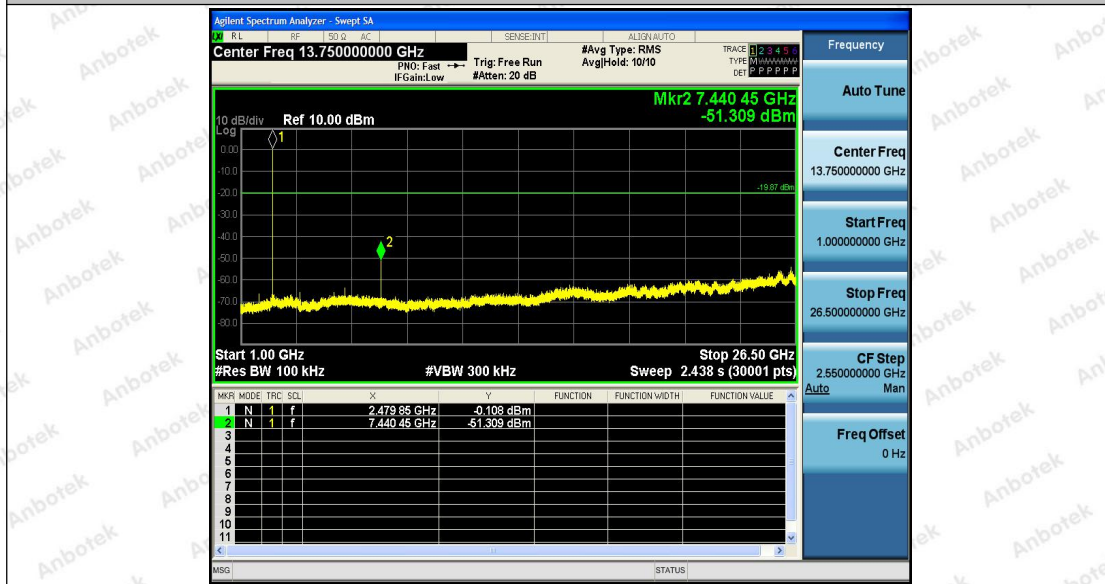
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BLE_1M_Ant1_2480_1000~26500



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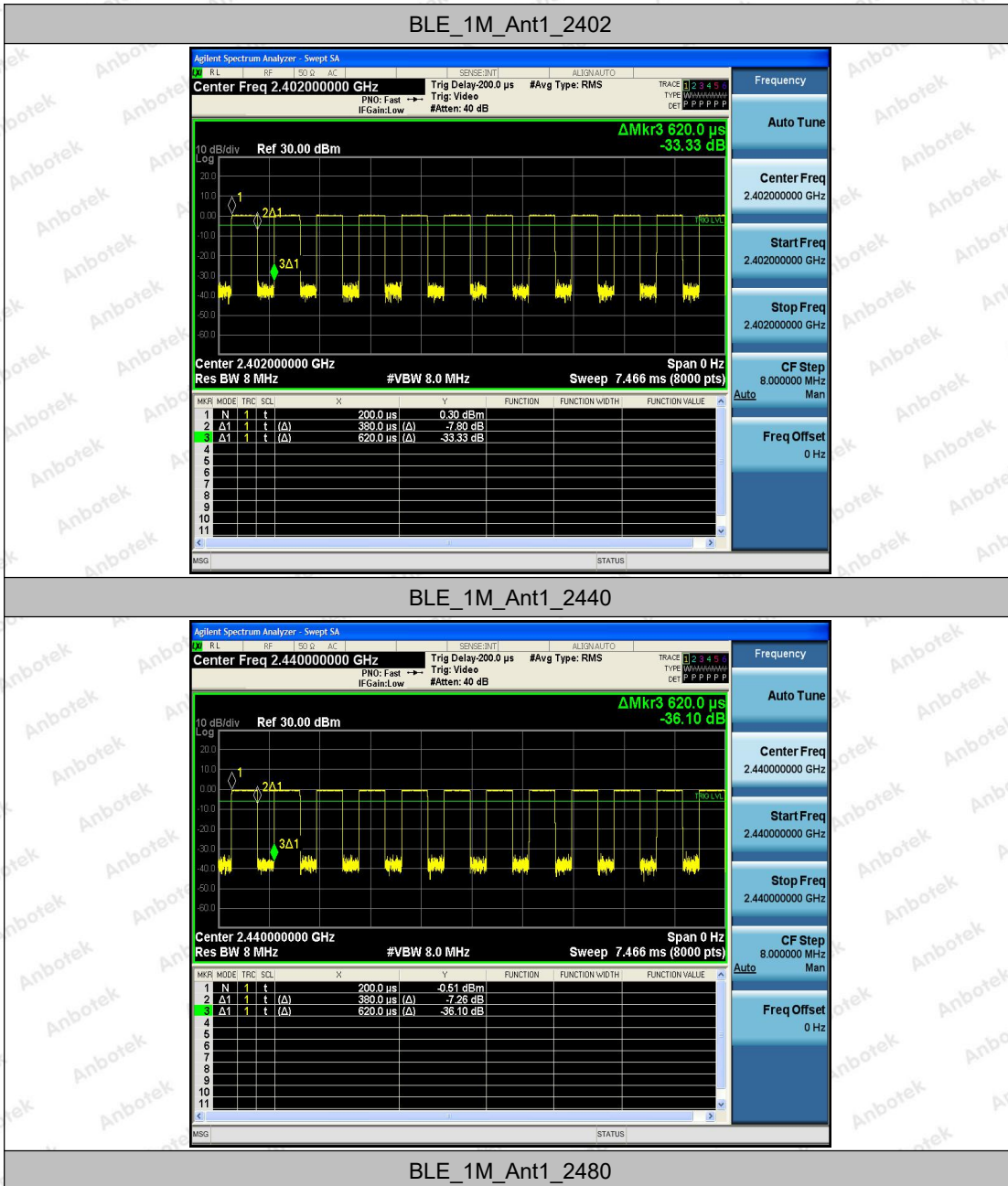
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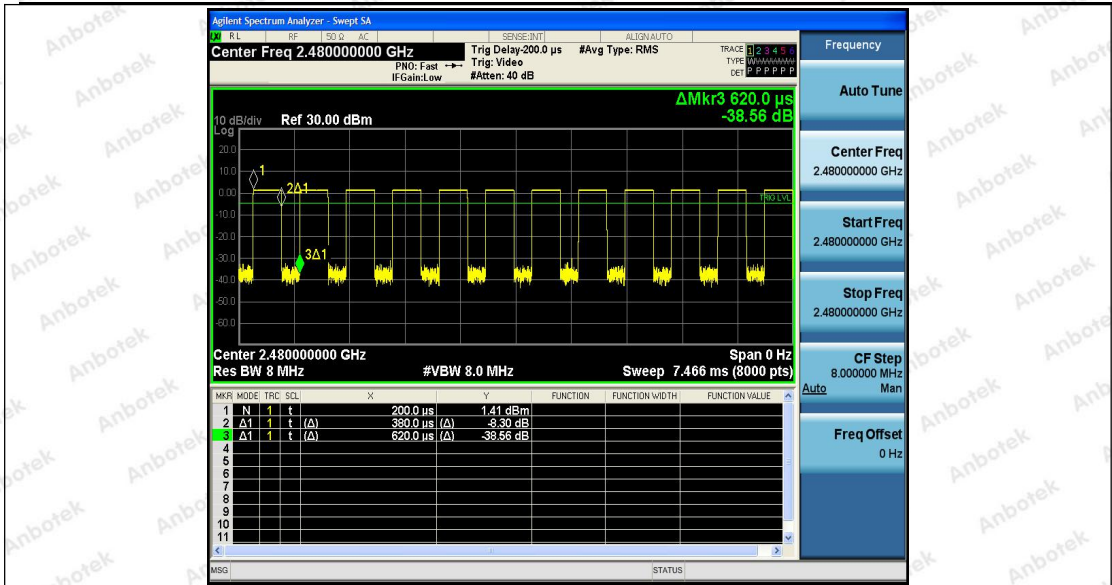
Appendix G: Duty Cycle

Test Result

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

Test Graphs





---End---