

Appendix Test Data

Report No.:	18220WC10153202	Test Date:	2021.7.20
Test Engineer:	<i>Jony. He</i>	Auditor:	<i>Edward. Pan</i>
Temperature:	24.3°C	Relative Humidity:	56 %
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	0.680	2401.652	2402.332	≥ 0.5	PASS
		2440	0.672	2439.660	2440.332	≥ 0.5	PASS
		2480	0.672	2479.664	2480.336	≥ 0.5	PASS

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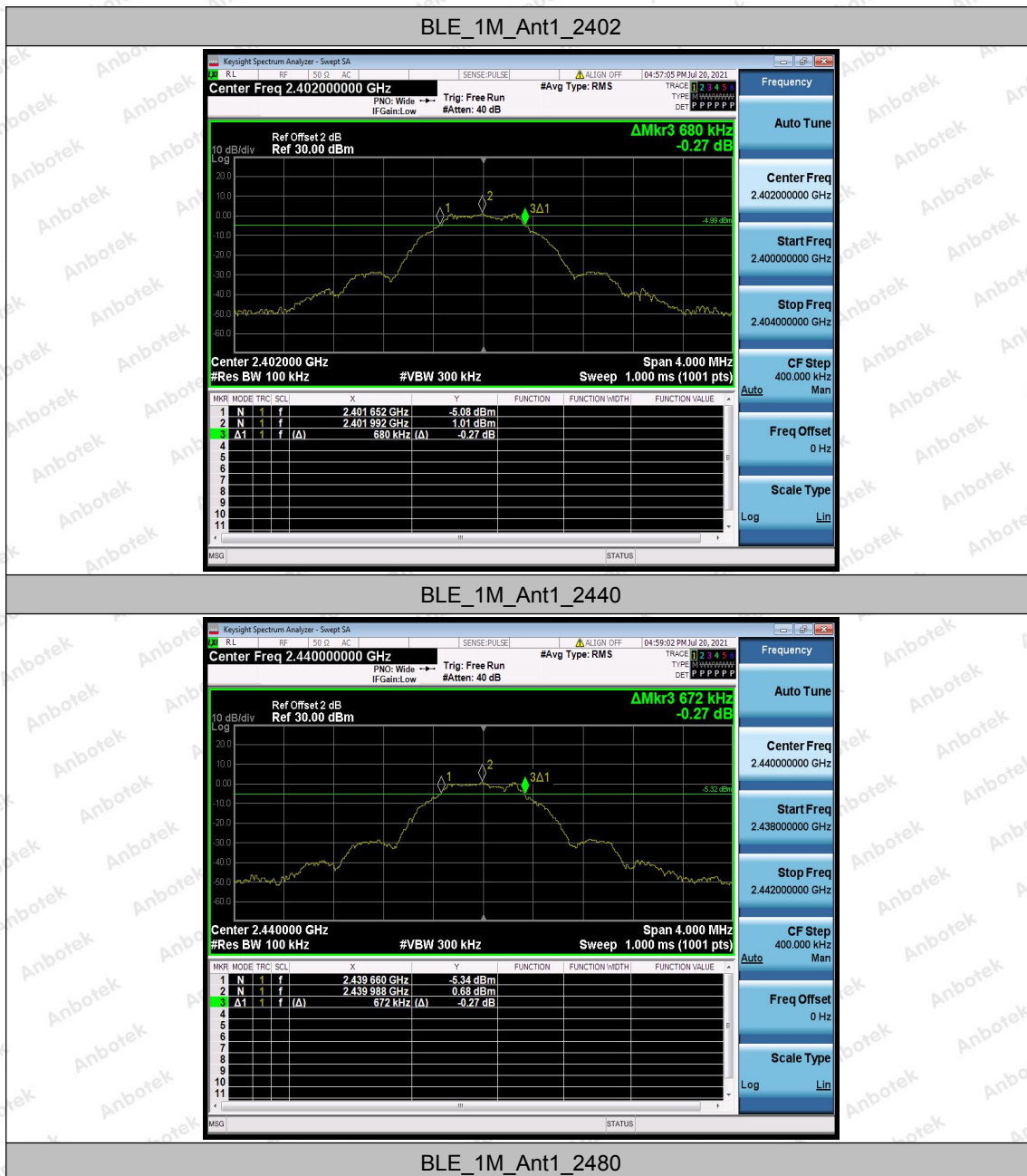
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Test Graphs



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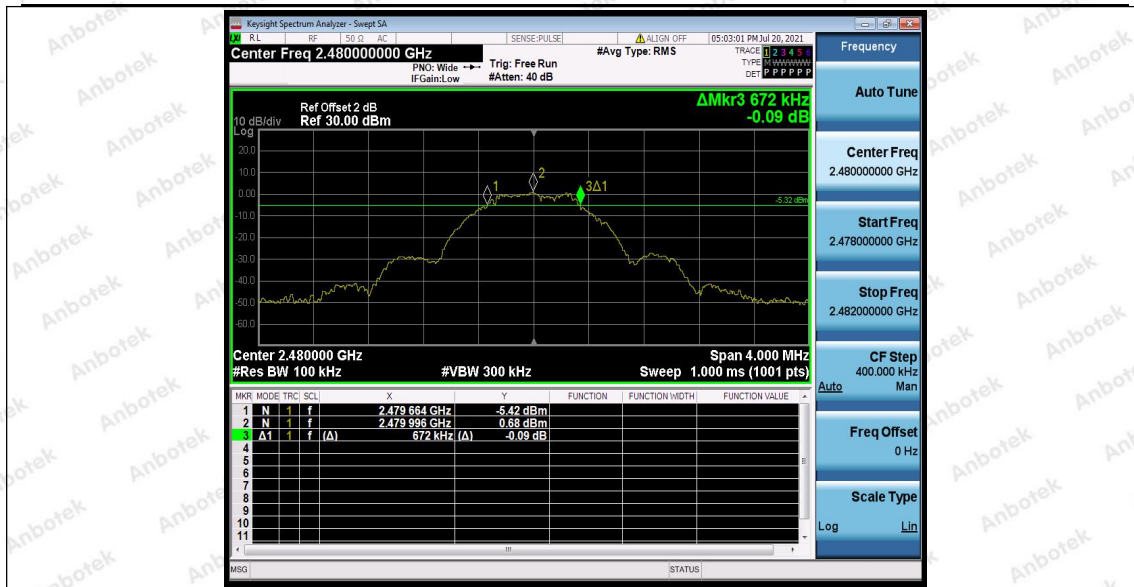
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0259	2401.490	2402.516	---	PASS
		2440	1.0205	2439.488	2440.509	---	PASS
		2480	1.0270	2479.491	2480.518	---	PASS

Test Graphs



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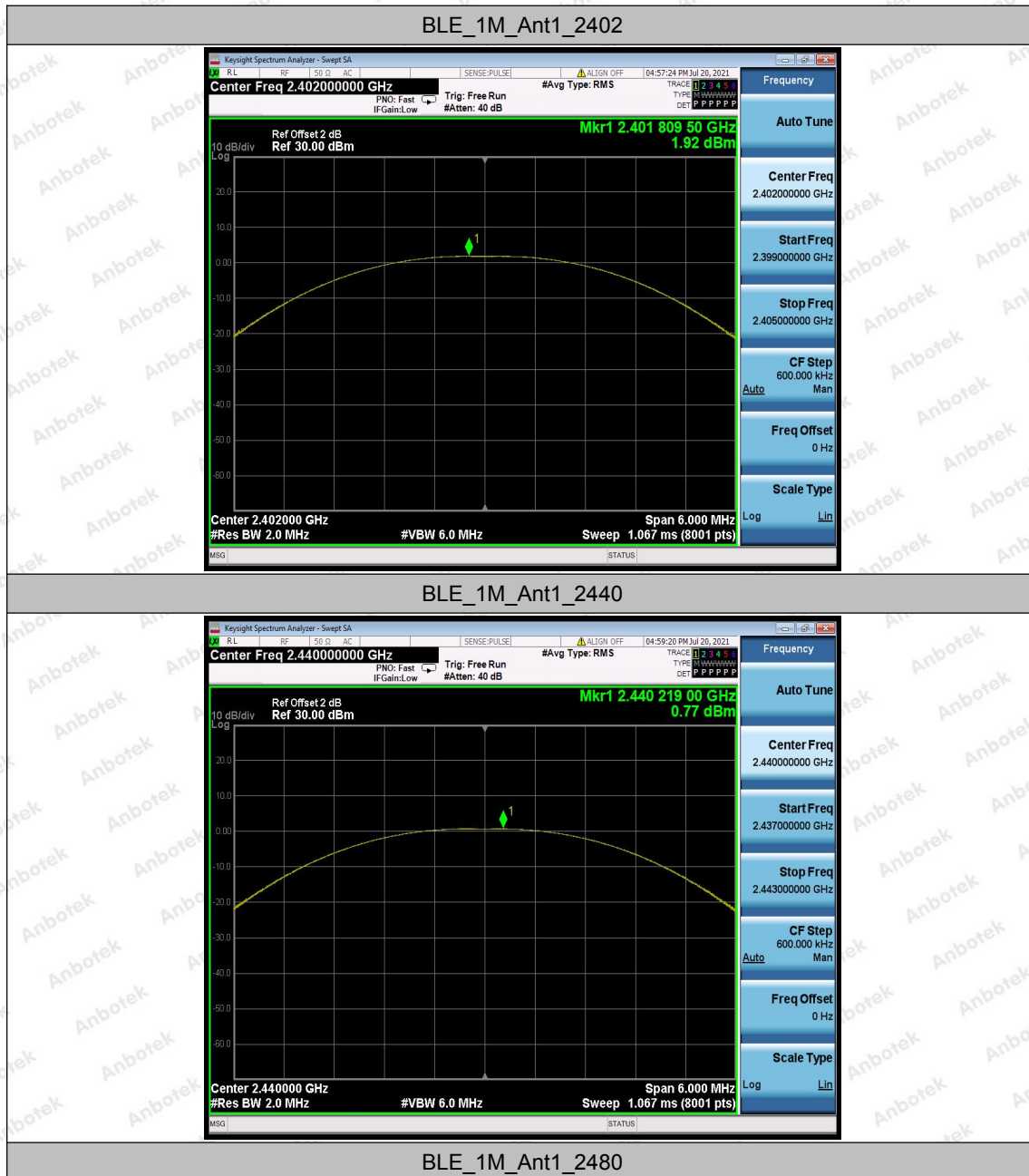
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.92	<=30	PASS
		2440	0.77	<=30	PASS
		2480	1.63	<=30	PASS

Test Graphs

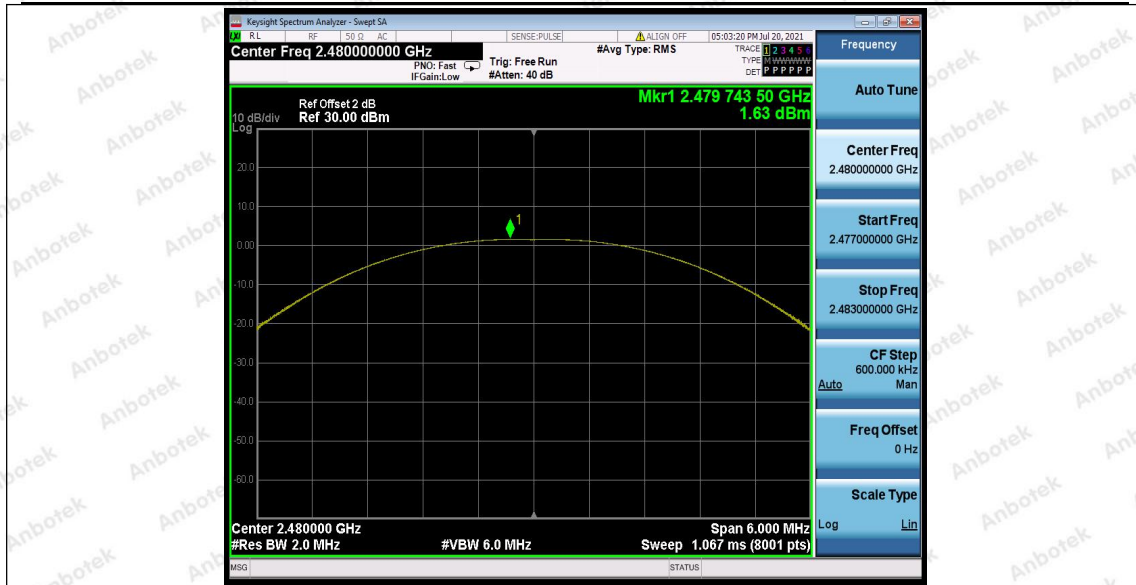


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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/10kHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-8	-13.23	<=8	PASS
		2440	-9.24	-14.47	<=8	PASS
		2480	-8.77	-14.00	<=8	PASS

Note: *Result [dBm/3kHz]= Result[dBm/10kHz]-10*Log(10/3)

Test Graphs



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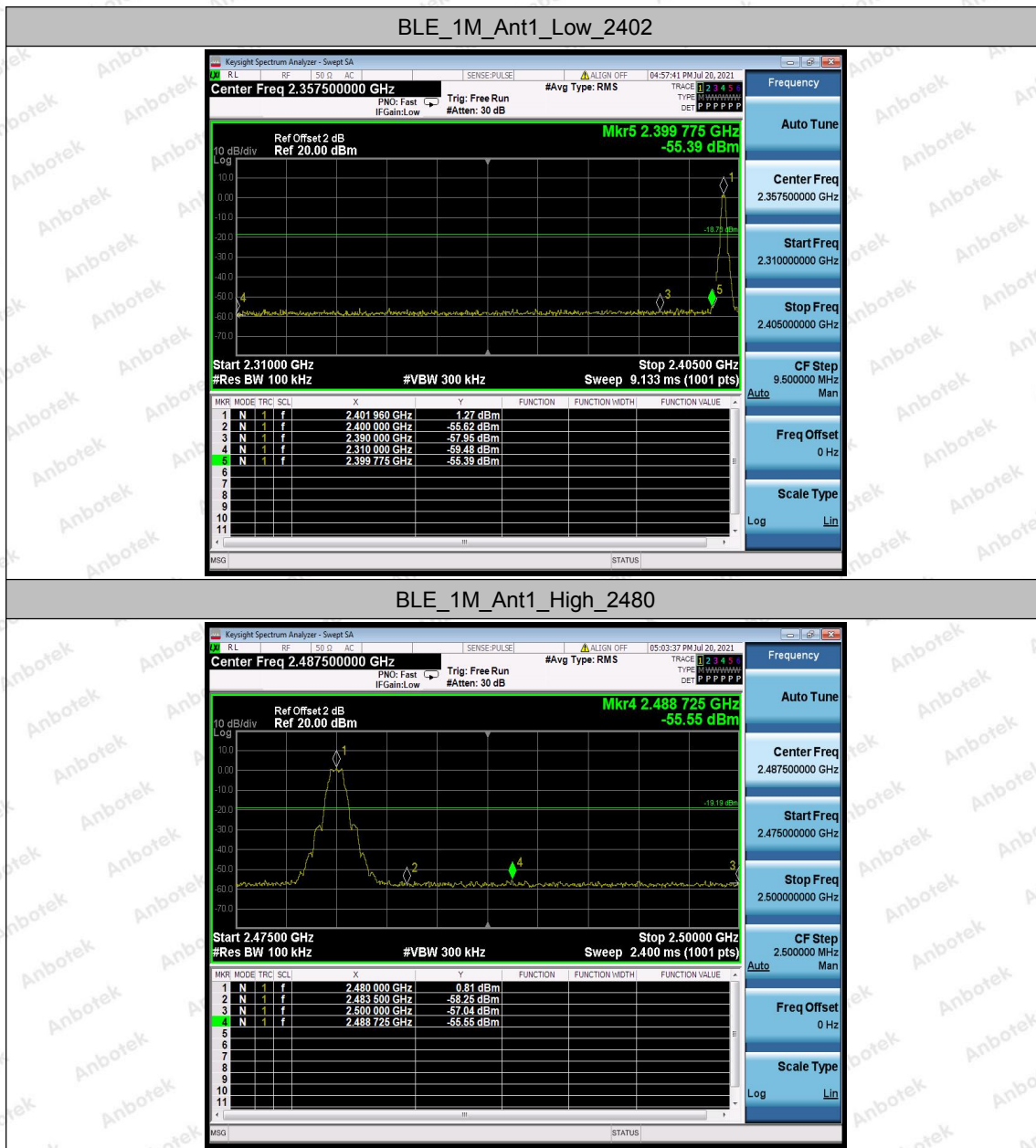
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.27	-55.39	<=-18.73	PASS
		High	2480	0.81	-55.55	<=-19.19	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

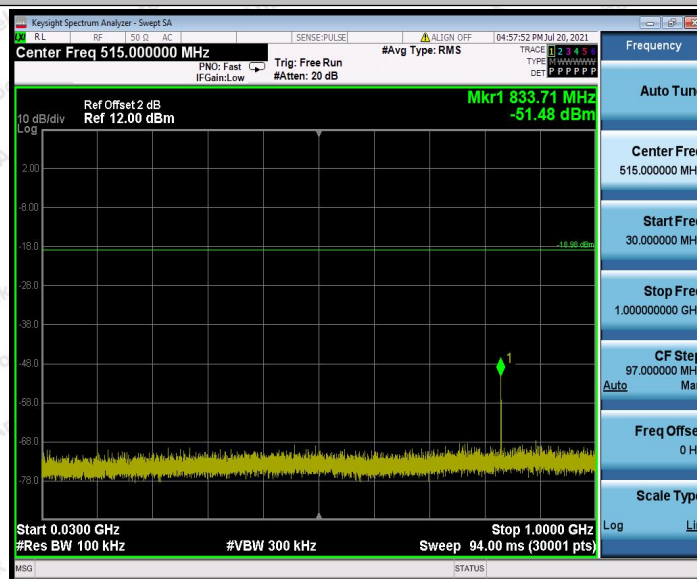
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	1.02	1.02	---	PASS
			30~1000	1.02	-51.48	<=-18.98	PASS
			1000~26500	1.02	-43.71	<=-18.98	PASS
		2440	Reference	-0.10	-0.10	---	PASS
			30~1000	-0.10	-67.93	<=-20.1	PASS
			1000~26500	-0.10	-45.65	<=-20.1	PASS
		2480	Reference	0.69	0.69	---	PASS
			30~1000	0.69	-68.89	<=-19.31	PASS
			1000~26500	0.69	-50.27	<=-19.31	PASS

Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

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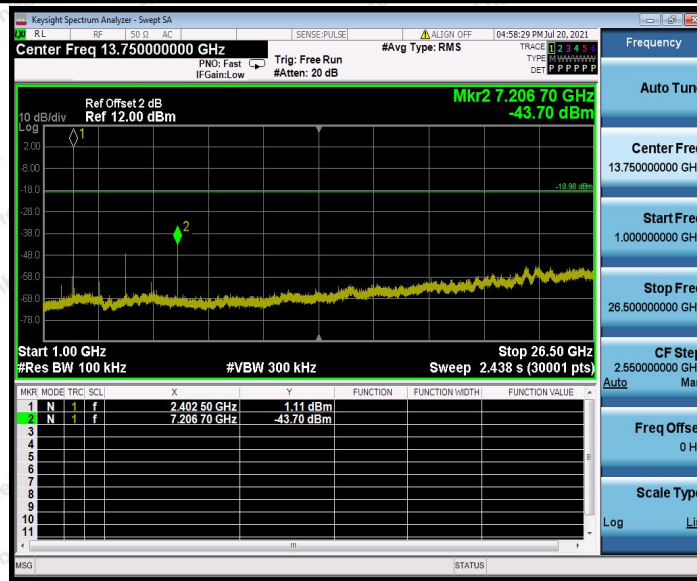
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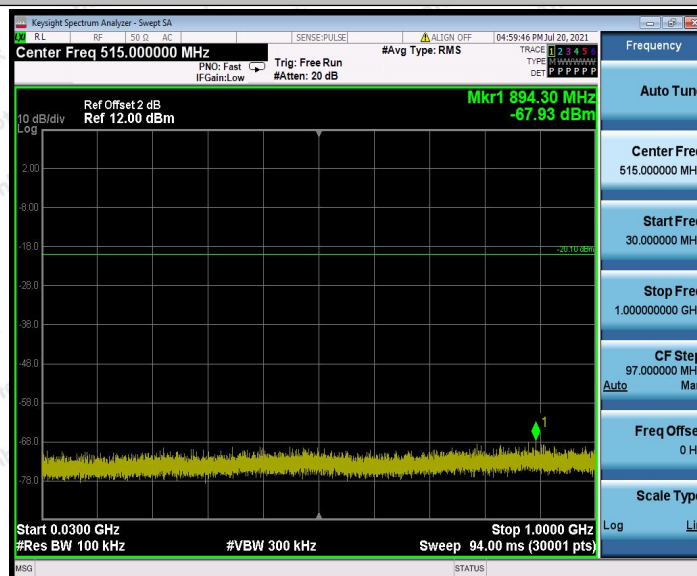
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



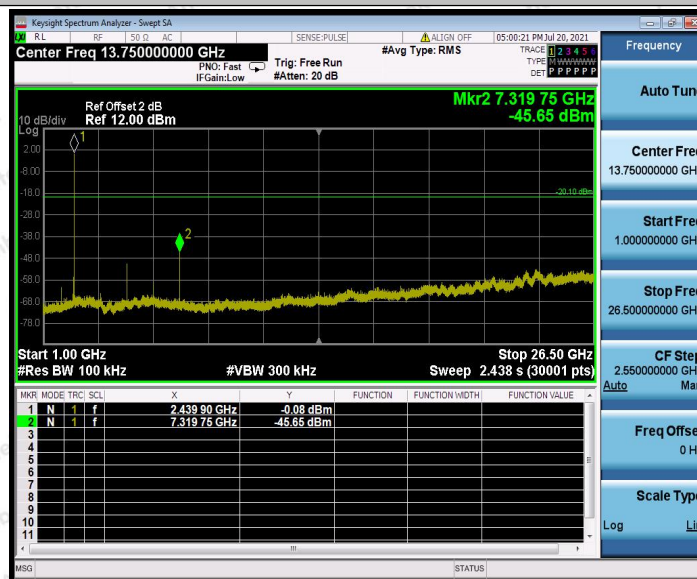
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

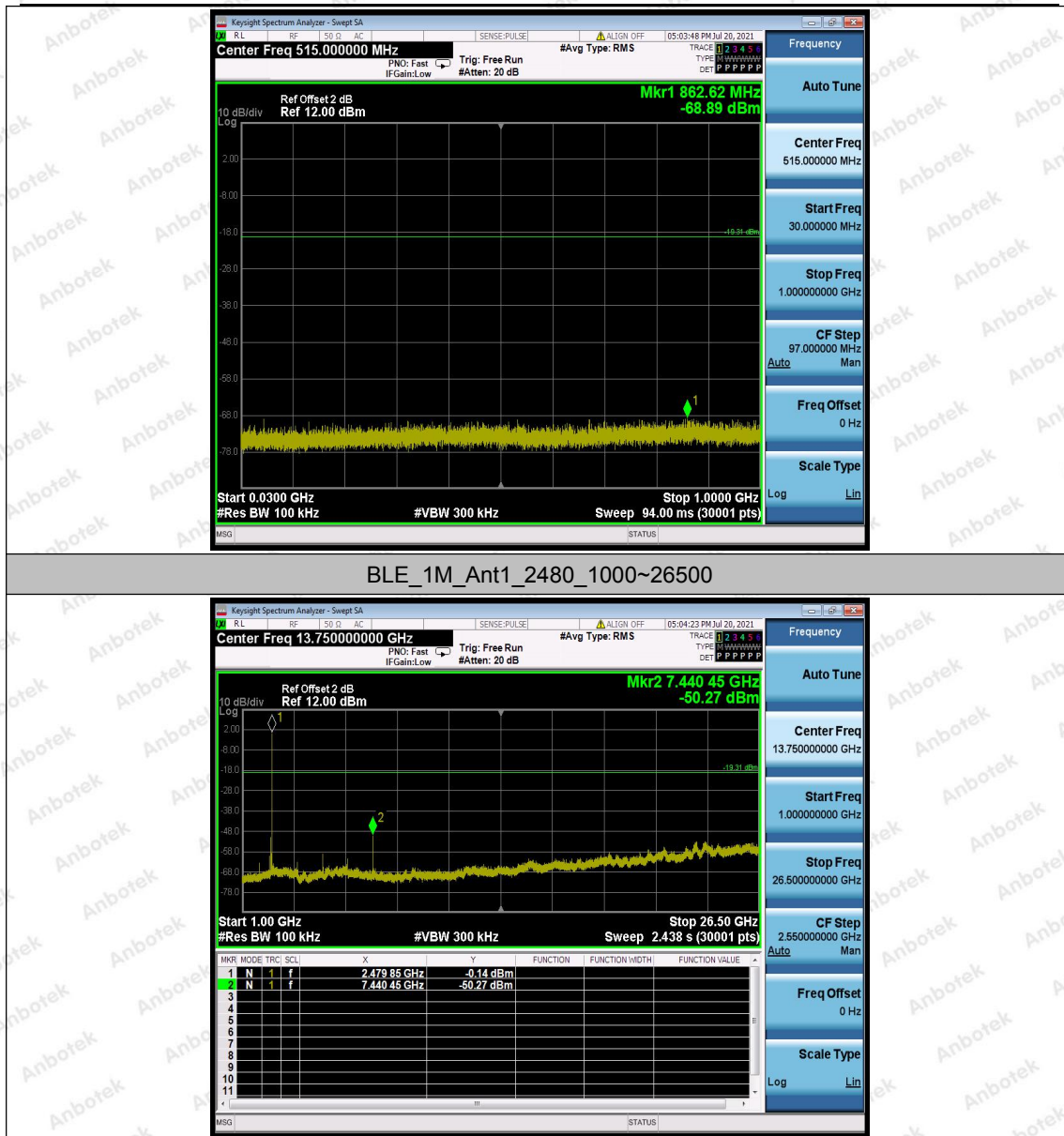


BLE_1M_Ant1_2480_30~1000

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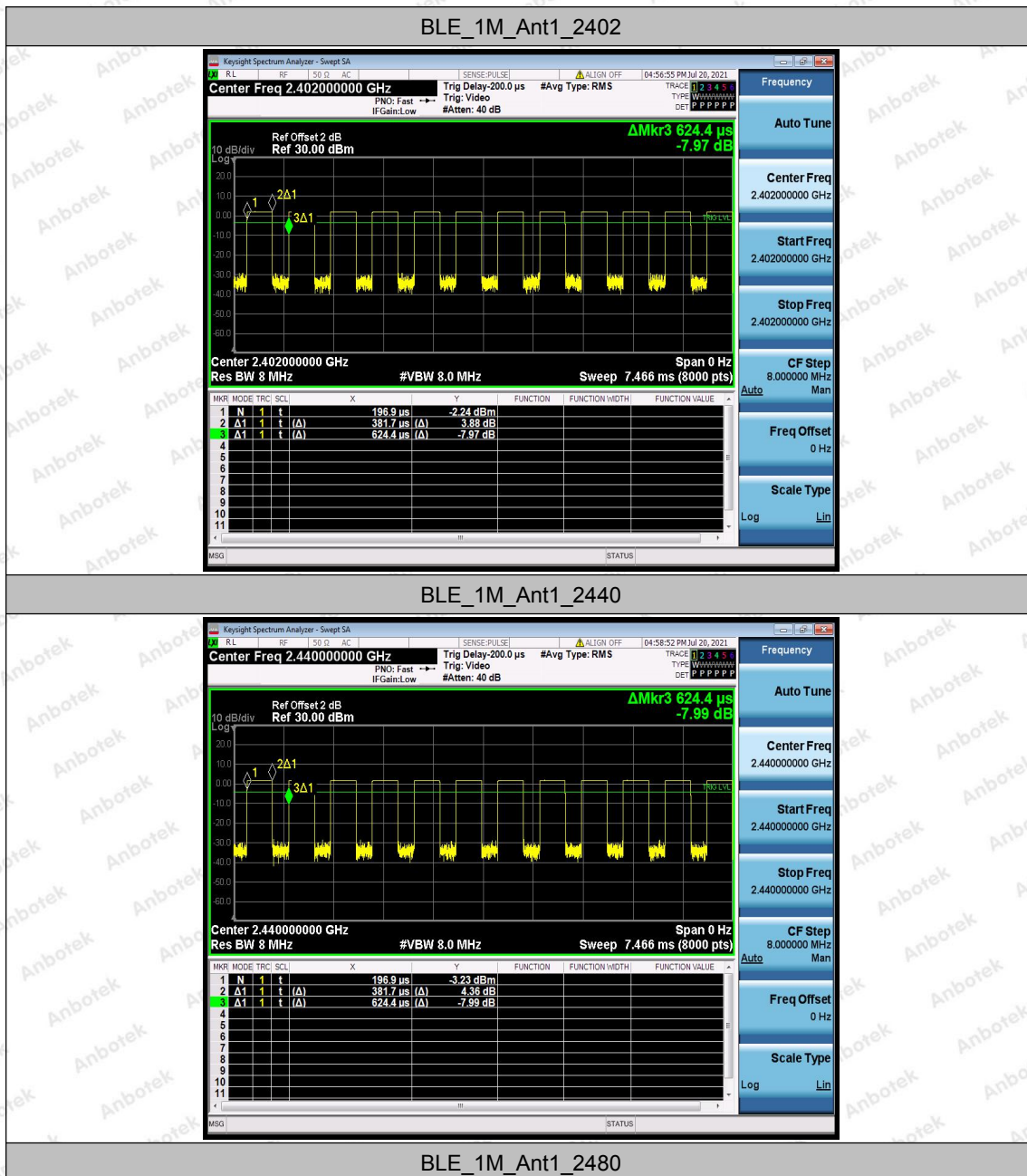
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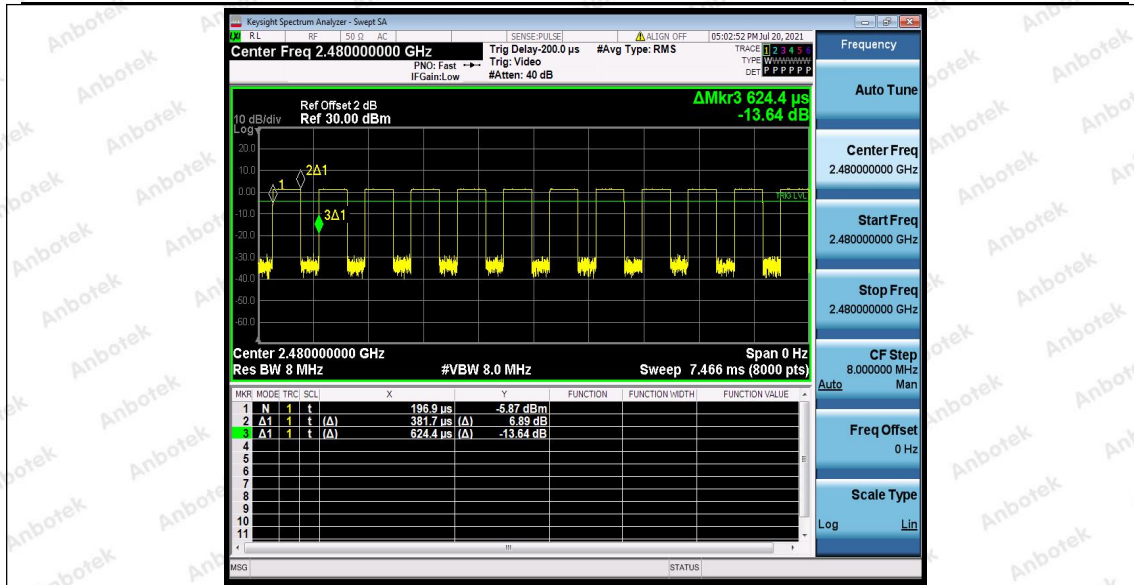
Appendix G: Duty Cycle

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---

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