

Appendix Test Data

Report No.:	18220WC10153402	Test Date:	2021.7.20
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	23.3C°	Relative Humidity:	56.2 %
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	0.708	2401.636	2402.344	>=0.5	PASS
		2440	0.672	2439.664	2440.336	>=0.5	PASS
		2480	0.704	2479.628	2480.332	>=0.5	PASS

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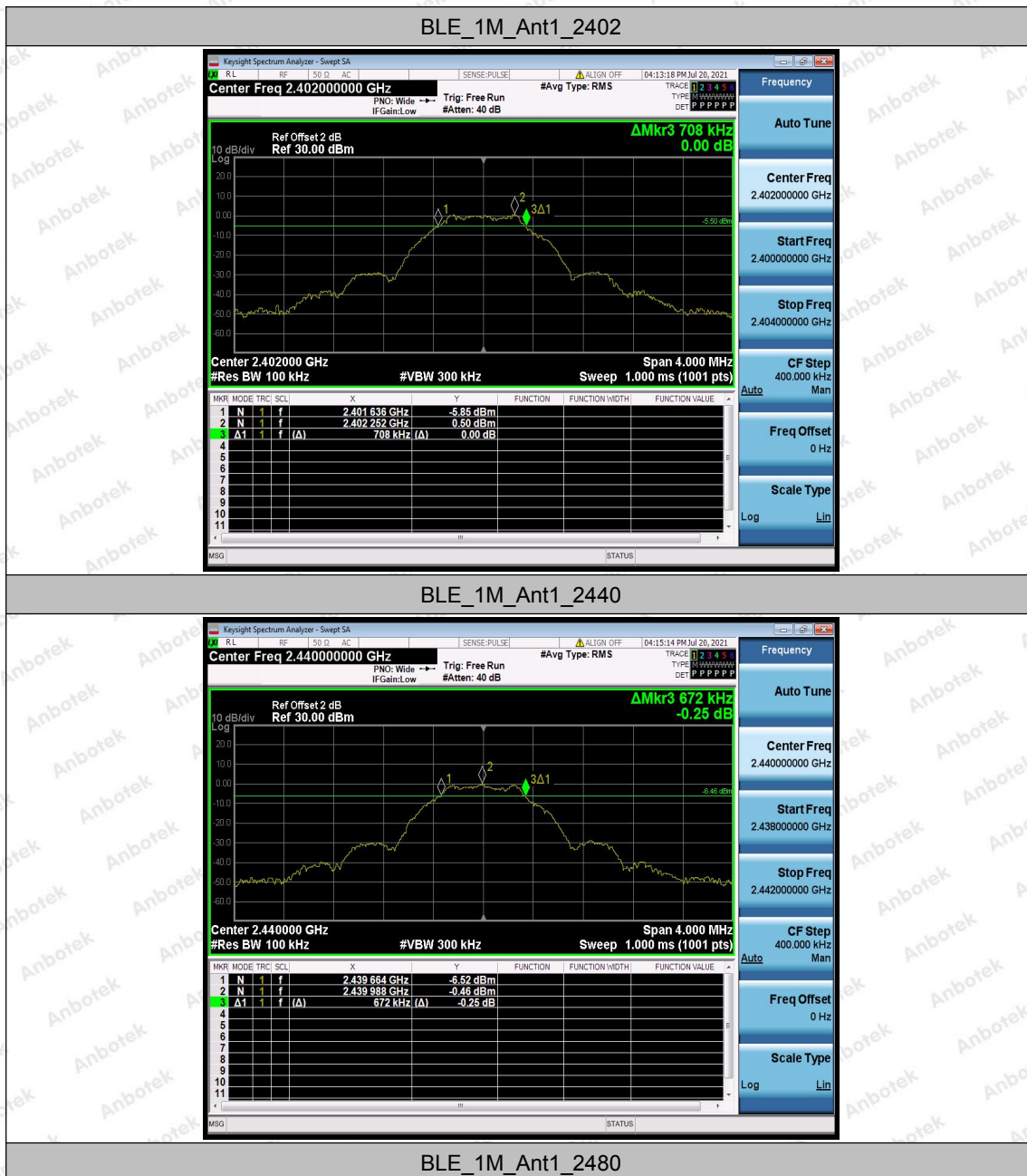
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Test Graphs

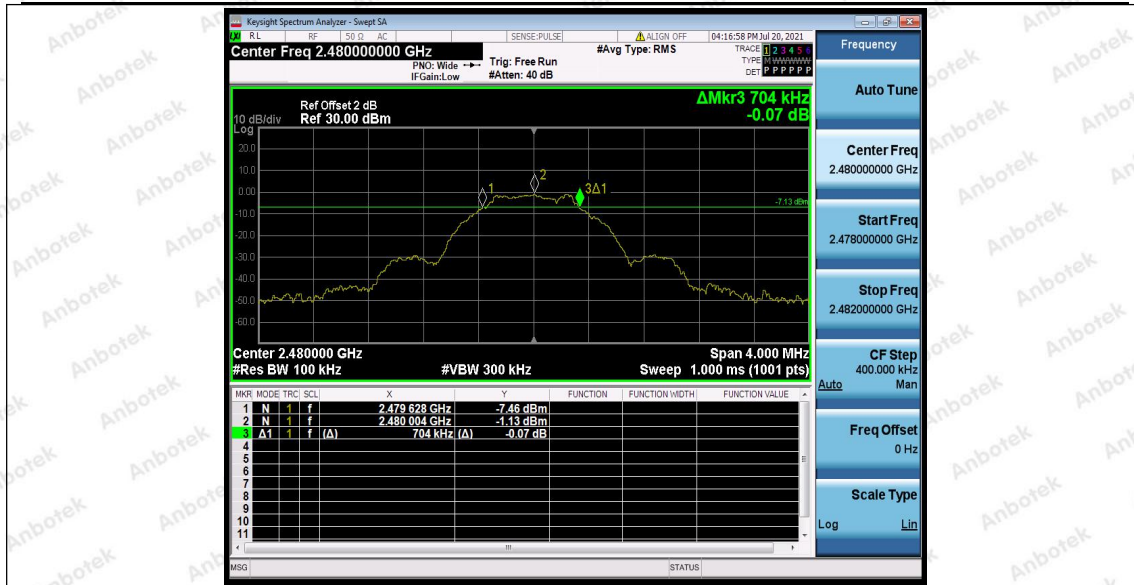


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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0334	2401.488	2402.521	---	PASS
		2440	1.0286	2439.489	2440.518	---	PASS
		2480	1.0253	2479.491	2480.517	---	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	2.26	<=30	PASS
		2440	0.41	<=30	PASS
		2480	-4.57	<=30	PASS

Test Graphs



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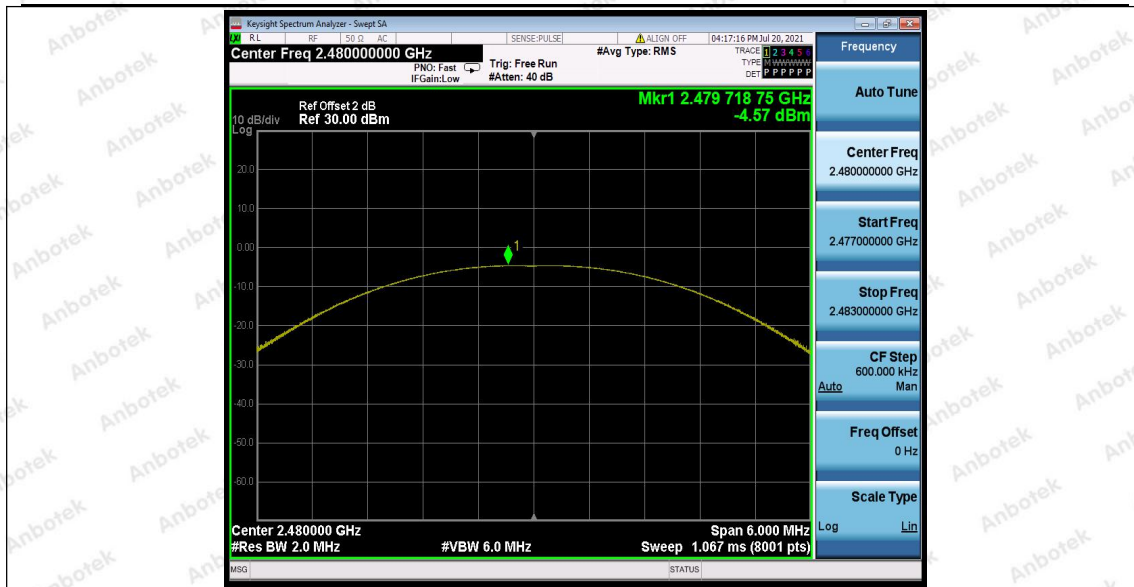
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/10kHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-7.93	-13.16	<=8	PASS
		2440	-9.64	-14.87	<=8	PASS
		2480	-14.87	-20.10	<=8	PASS

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

Test Graphs



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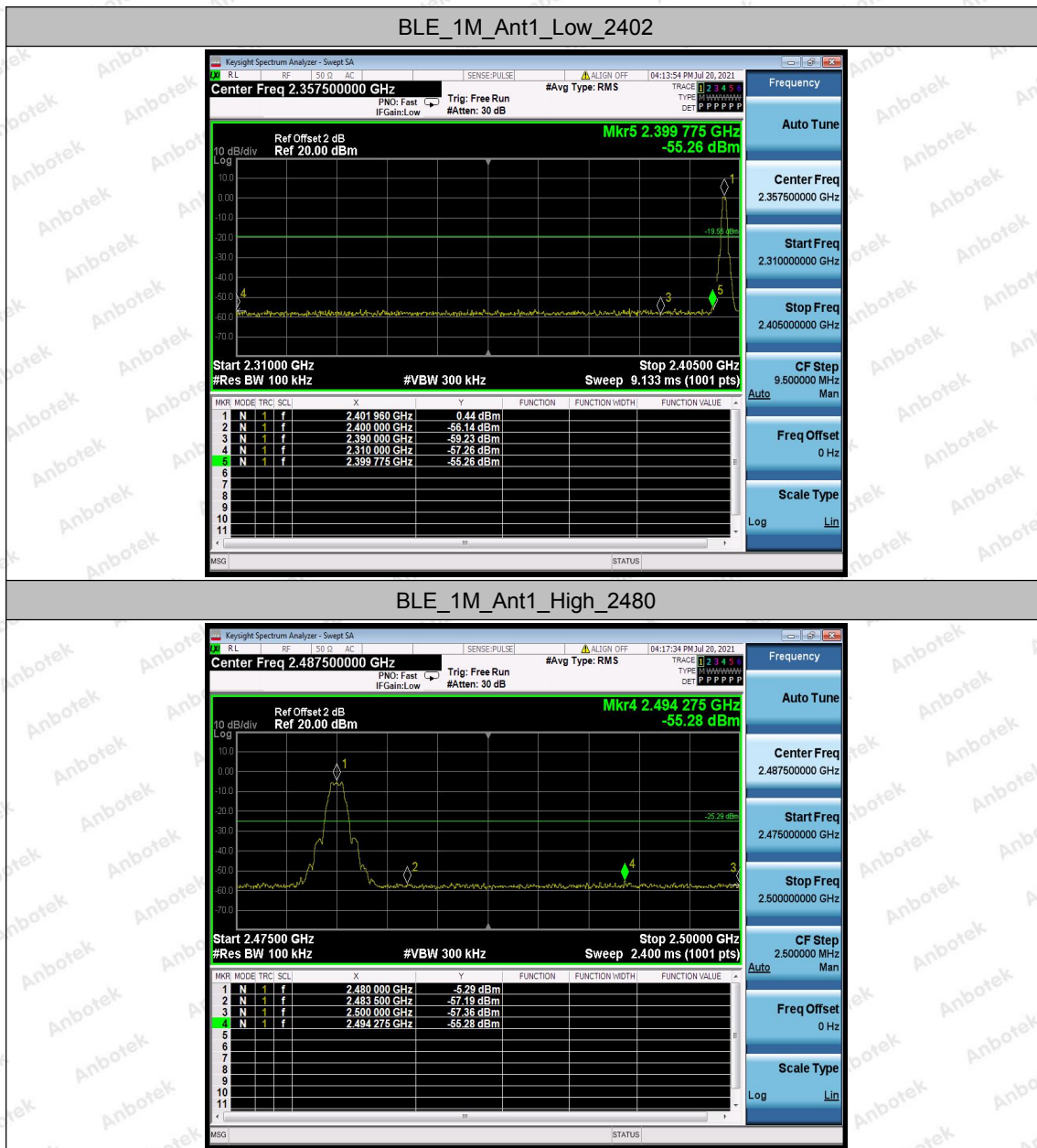
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.45	-55.26	<=-19.56	PASS
		High	2480	-5.29	-55.28	<=-25.29	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

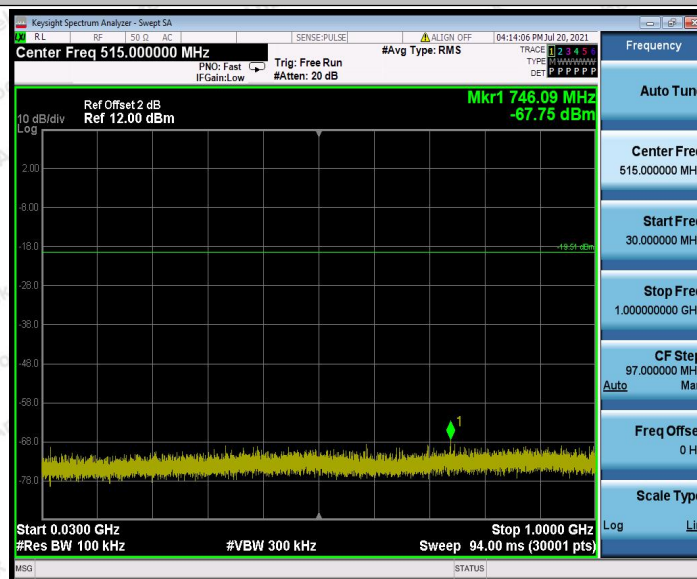
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	0.49	0.49	---	PASS
			30~1000	0.49	-67.75	<=-19.51	PASS
			1000~26500	0.49	-45.55	<=-19.51	PASS
		2440	Reference	-0.48	-0.48	---	PASS
			30~1000	-0.48	-67.91	<=-20.48	PASS
			1000~26500	-0.48	-48.58	<=-20.48	PASS
		2480	Reference	-5.60	-5.60	---	PASS
			30~1000	-5.60	-44.87	<=-25.6	PASS
			1000~26500	-5.60	-48.36	<=-25.6	PASS

Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



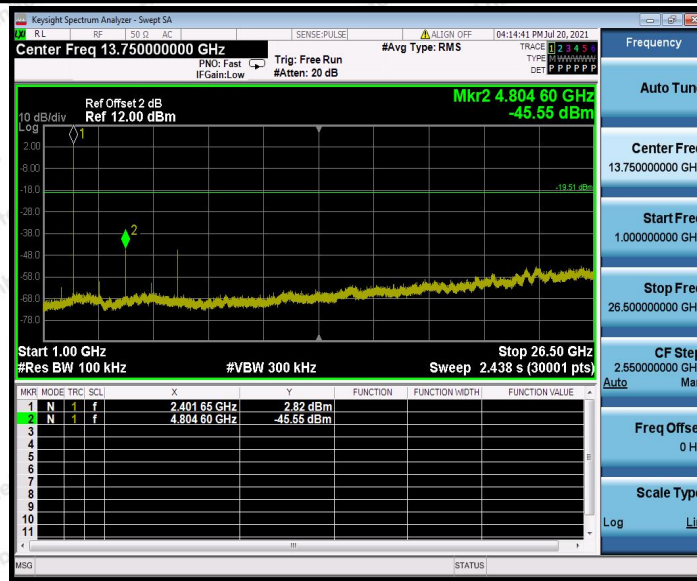
BLE_1M_Ant1_2402_1000~26500

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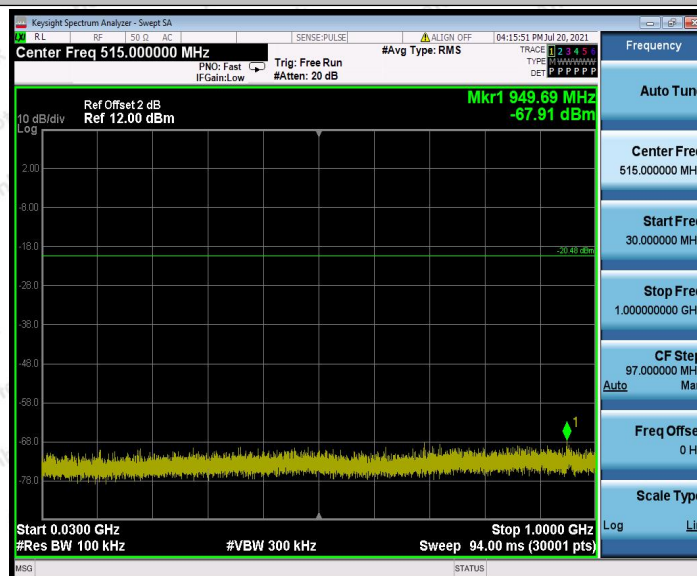
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



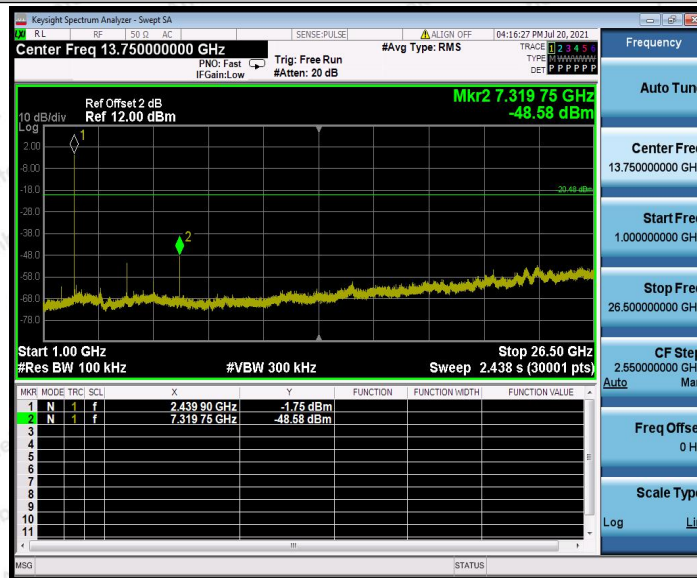
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

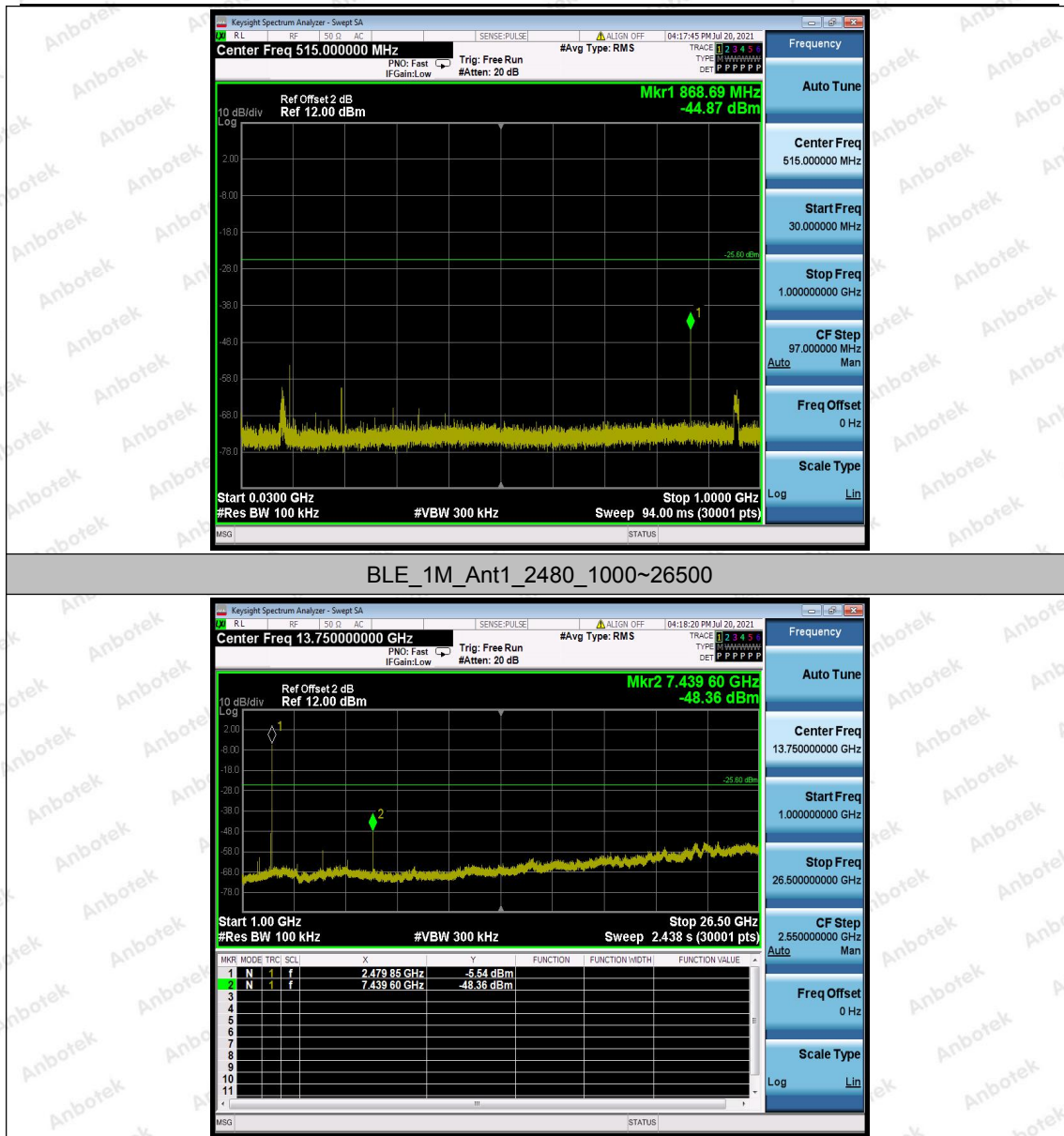


BLE_1M_Ant1_2480_30~1000

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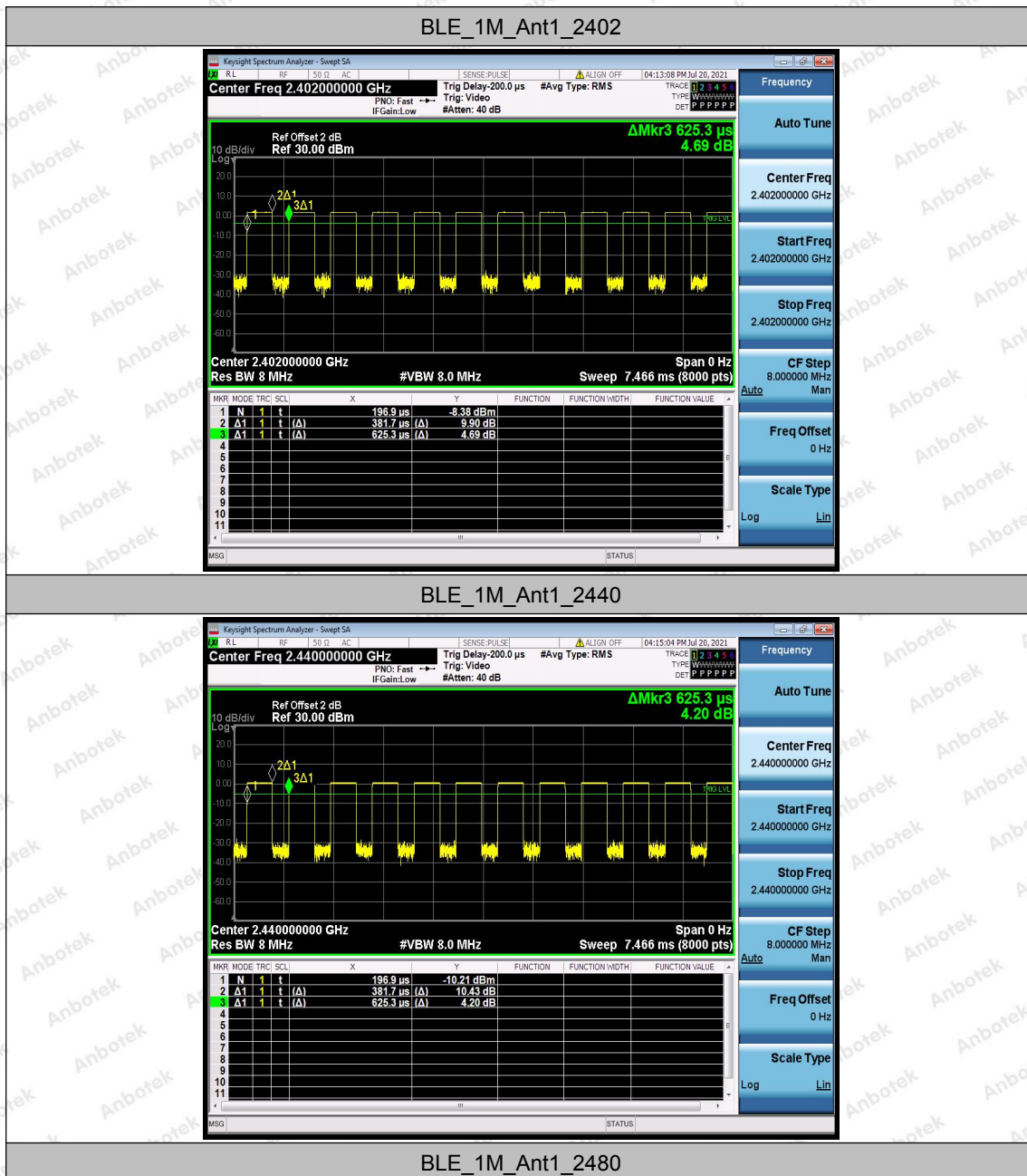
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Appendix G: Duty Cycle

Test Result

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

Test Graphs



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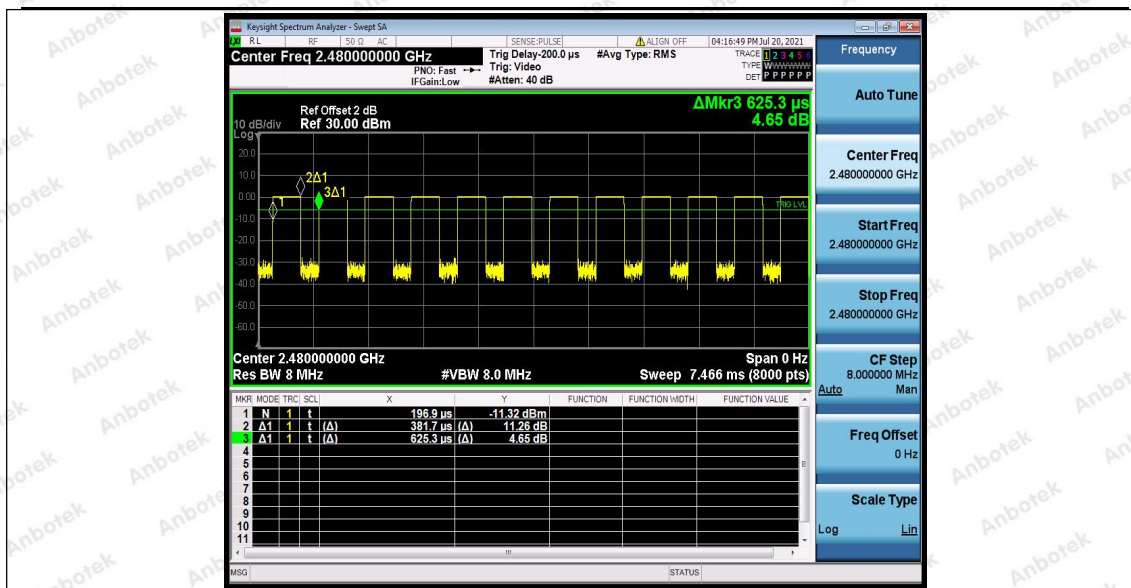
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