

Appendix Test Data

Report No.:	18220WC10144702	Test Date:	2021.7.27
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.4C°	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	0.676	2401.656	2402.332	>=0.5	PASS
		2440	0.676	2439.664	2440.340	>=0.5	PASS
		2480	0.700	2479.640	2480.340	>=0.5	PASS

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Test Graphs

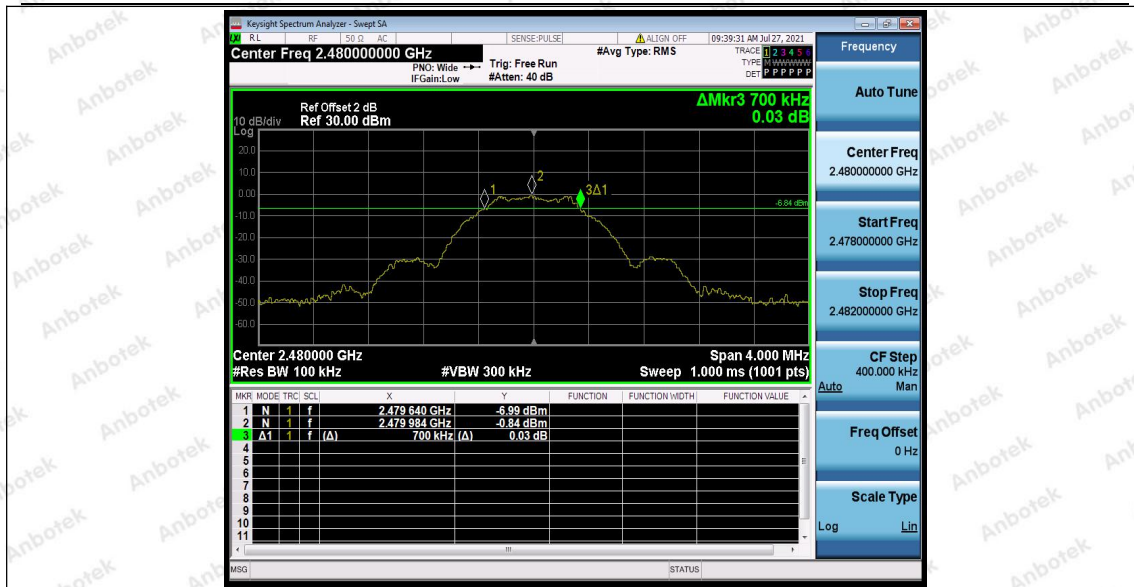
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



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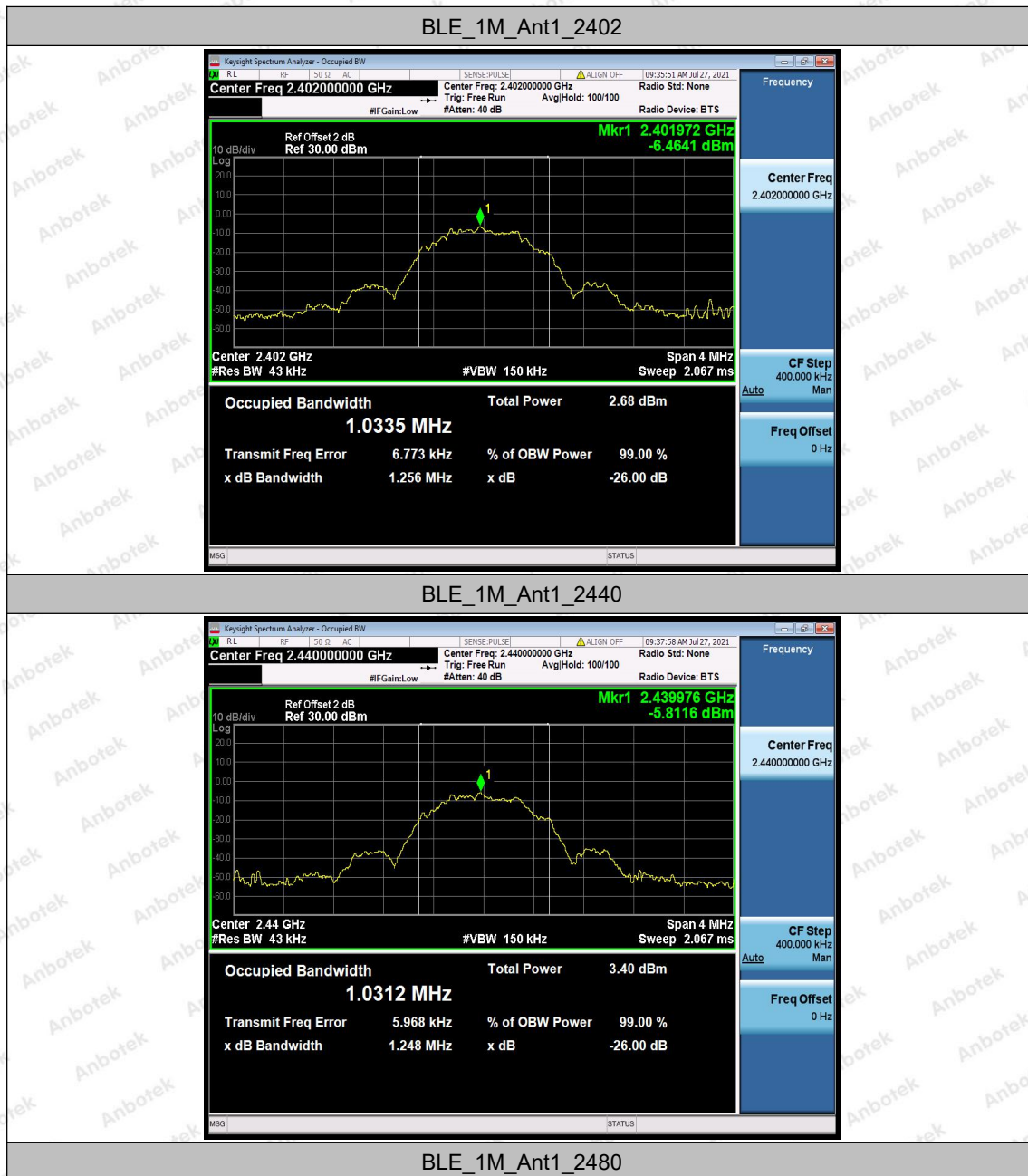
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0335	2401.490	2402.524	---	PASS
		2440	1.0312	2439.490	2440.522	---	PASS
		2480	1.0274	2479.490	2480.518	---	PASS

Test Graphs



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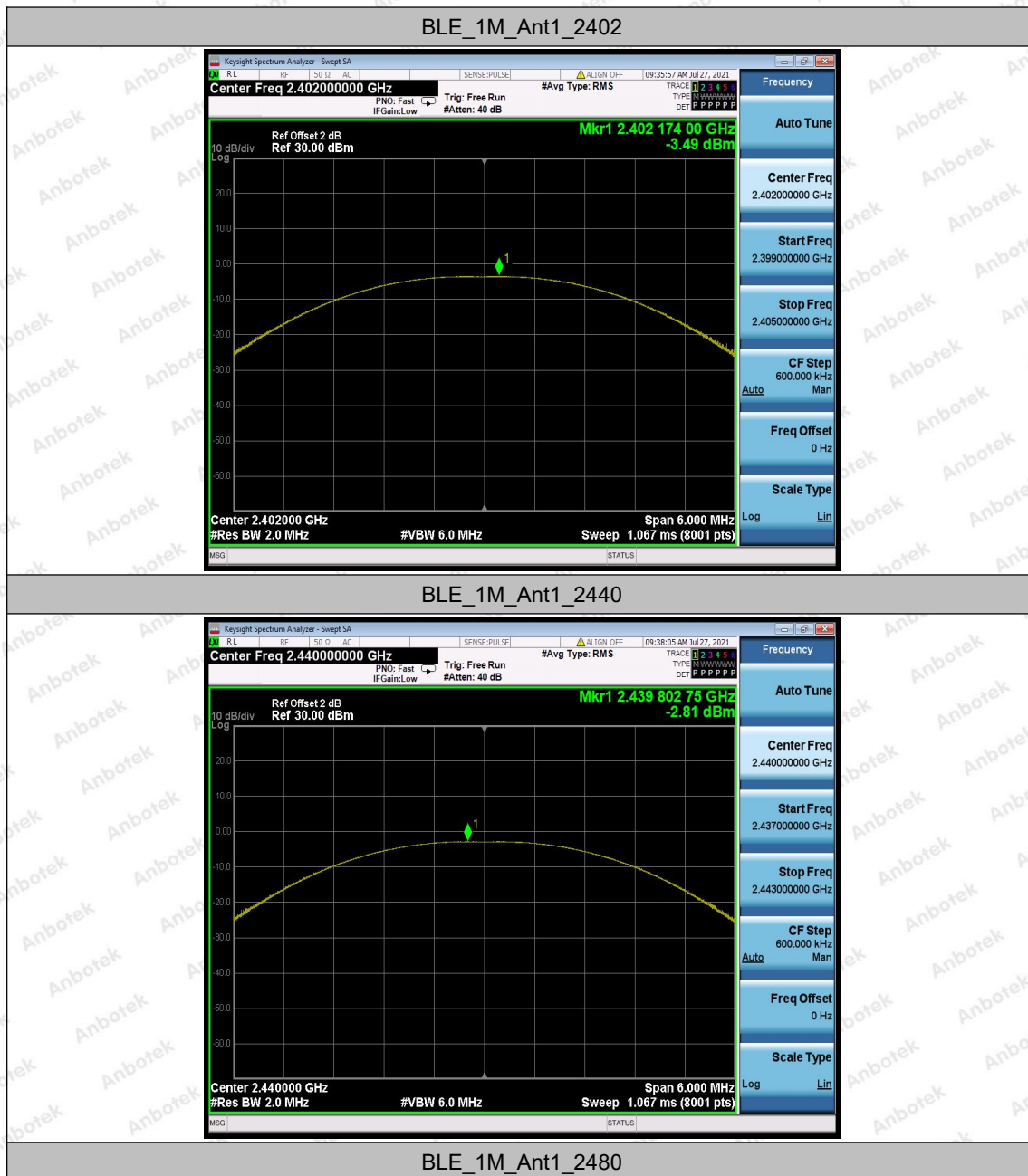
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-3.49	<=30	PASS
		2440	-2.81	<=30	PASS
		2480	0.29	<=30	PASS

Test Graphs



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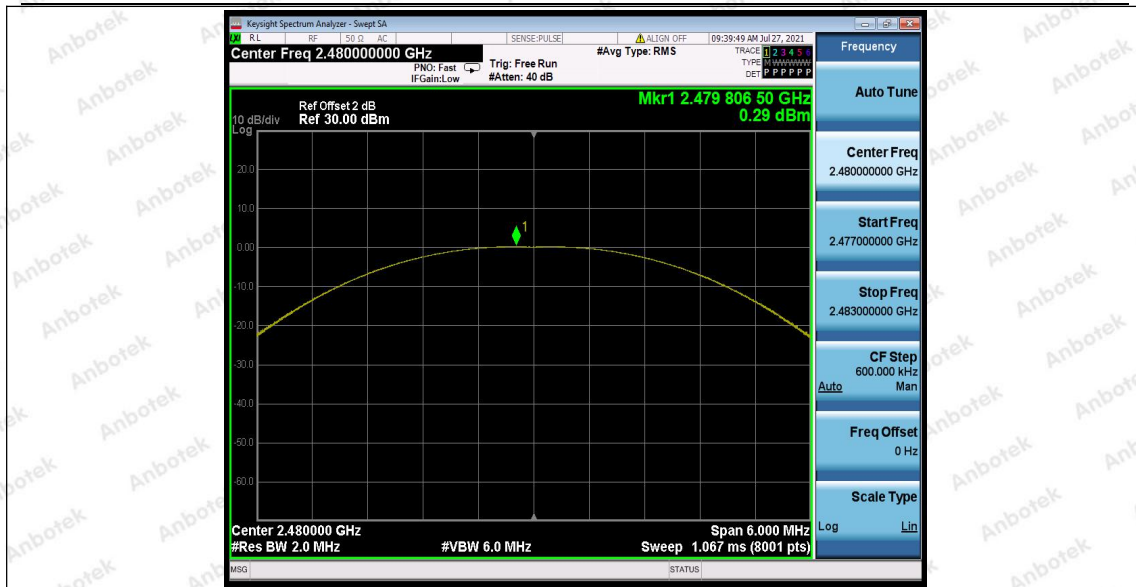
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result [dBm/10kHz]	*Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.63	-18.86	<=8	PASS
		2440	-12.90	-18.13	<=8	PASS
		2480	-9.81	-15.04	<=8	PASS

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

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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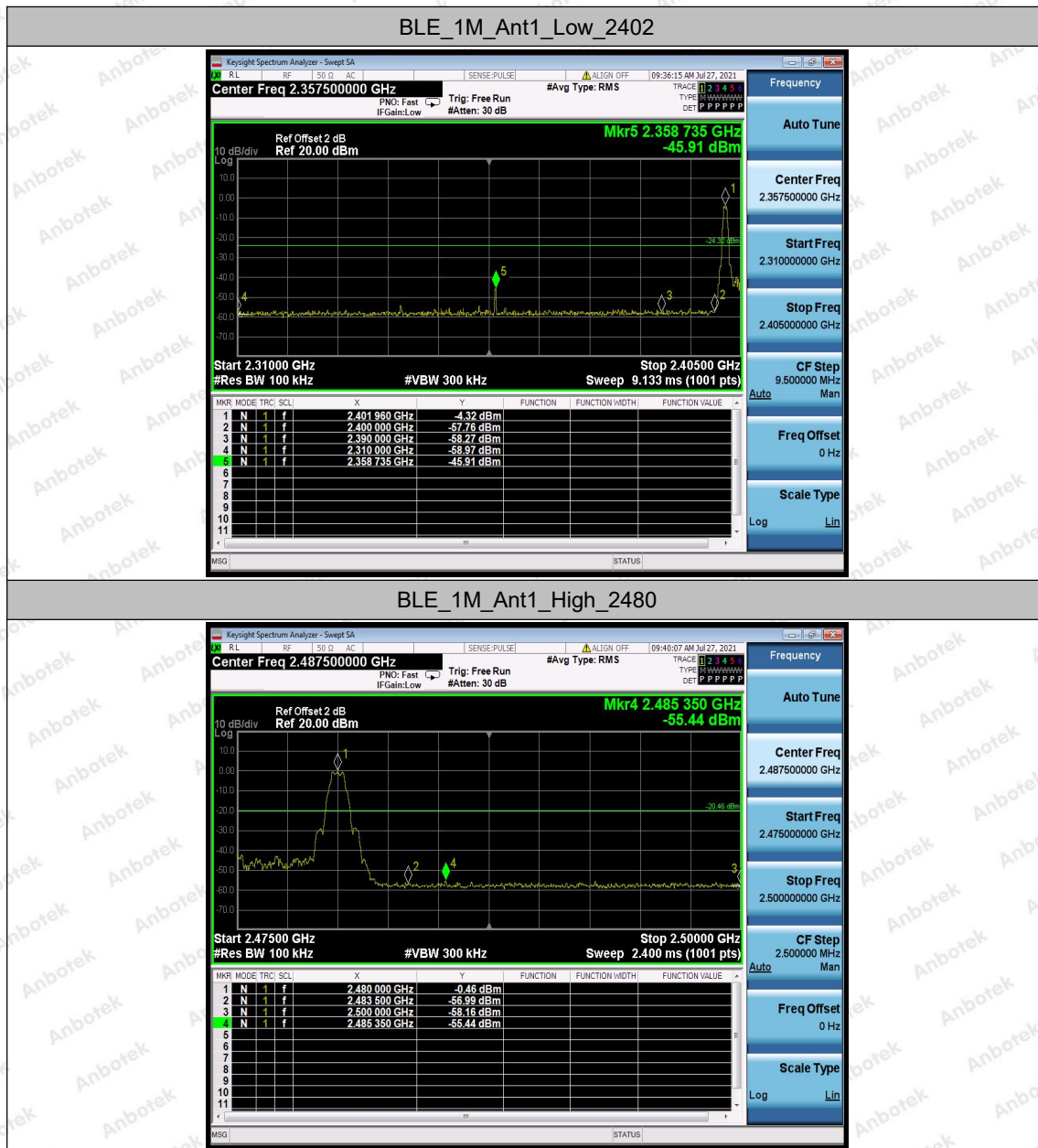
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-4.32	-45.91	<=-24.32	PASS
		High	2480	-0.46	-55.44	<=-20.46	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	-4.59	-4.59	---	PASS
			30~1000	-4.59	-56.55	<=-24.59	PASS
			1000~26500	-4.59	-45.63	<=-24.59	PASS
		2440	Reference	-3.82	-3.82	---	PASS
			30~1000	-3.82	-56.77	<=-23.82	PASS
			1000~26500	-3.82	-49.23	<=-23.82	PASS
		2480	Reference	-0.75	-0.75	---	PASS
			30~1000	-0.75	-68.44	<=-20.75	PASS
			1000~26500	-0.75	-47.53	<=-20.75	PASS

Test Graphs

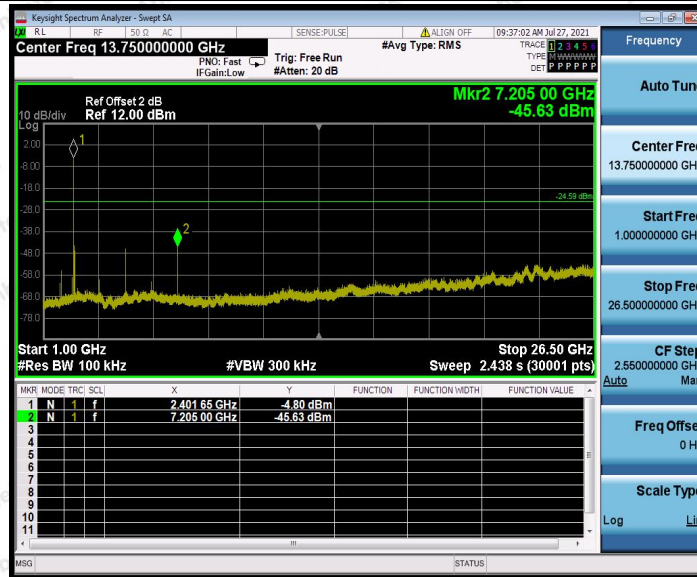


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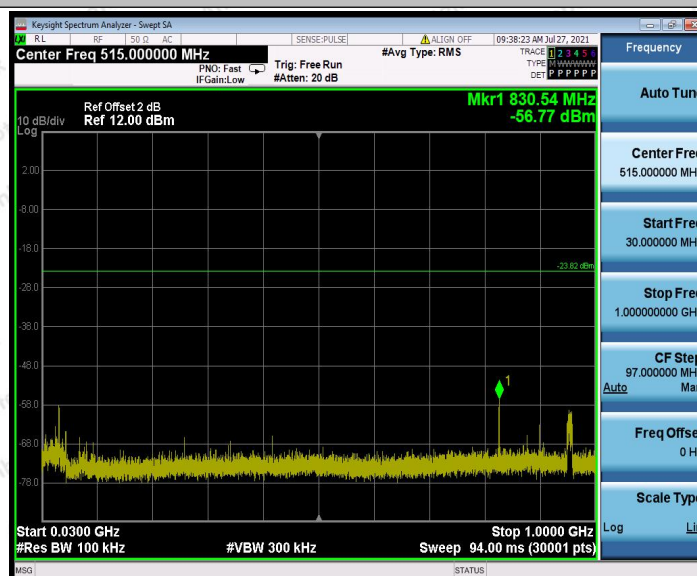
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000

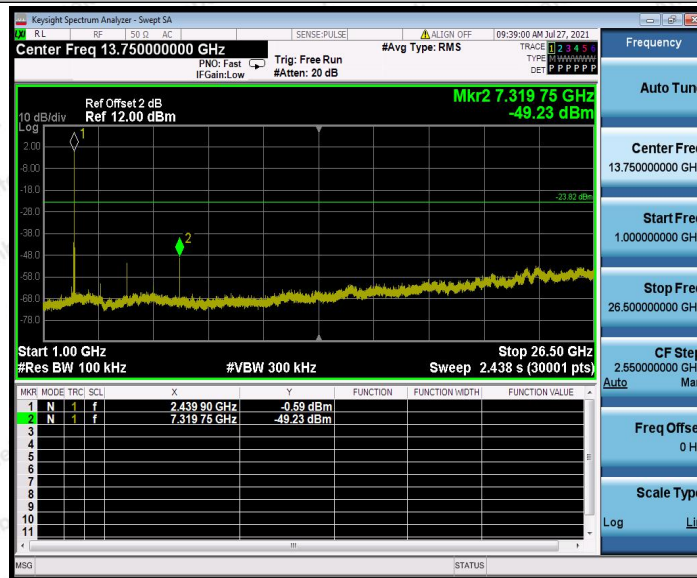


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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



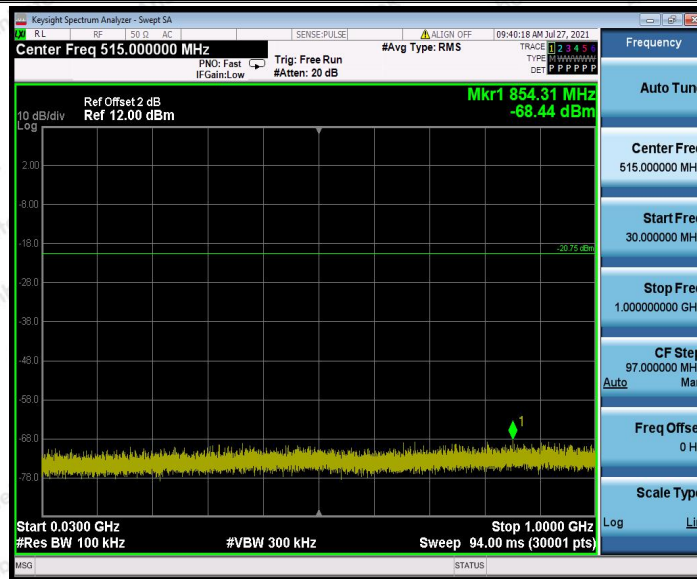
BLE_1M_Ant1_2480_30~1000

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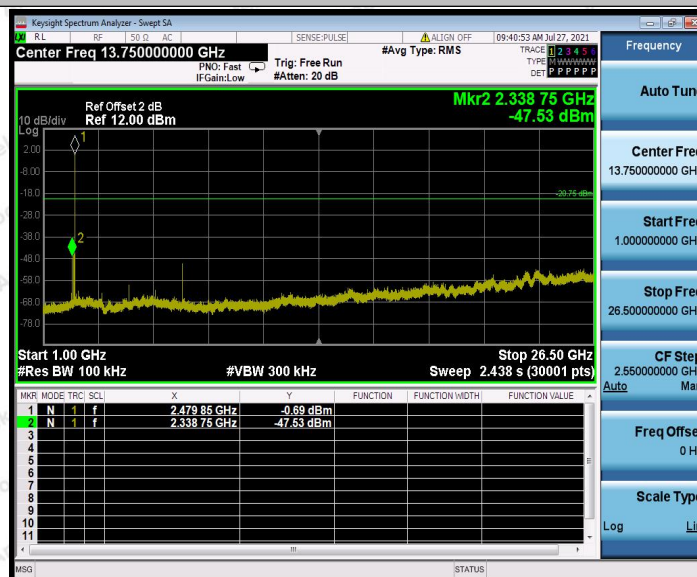
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BLE_1M_Ant1_2480_1000~26500



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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	0.43	0.8837	88.37	0.54	---	PASS
		2440	0.38	0.62	0.6129	61.29	2.13	---	PASS
		2480	0.38	0.63	0.6032	60.32	2.20	---	PASS

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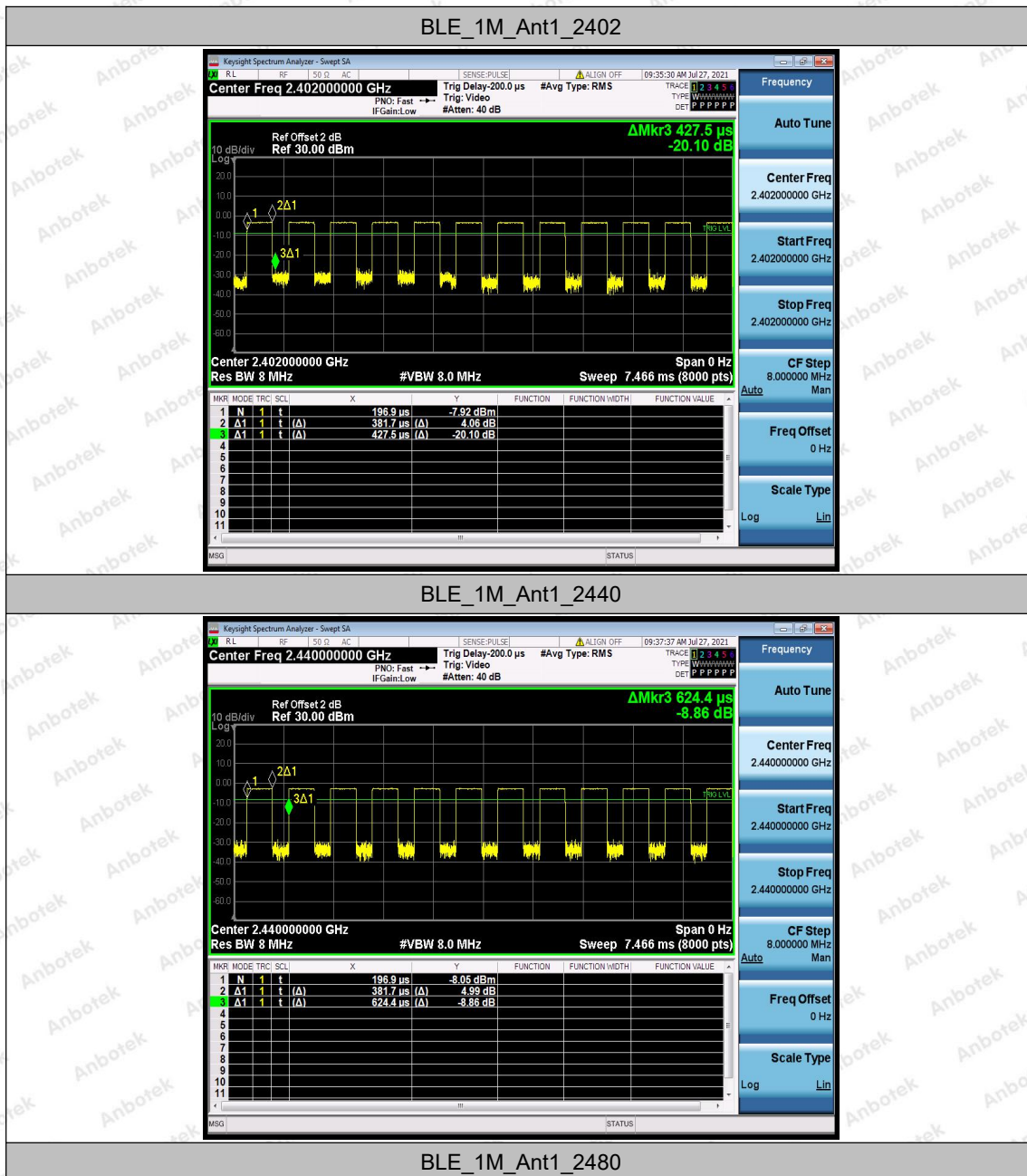
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Test Graphs

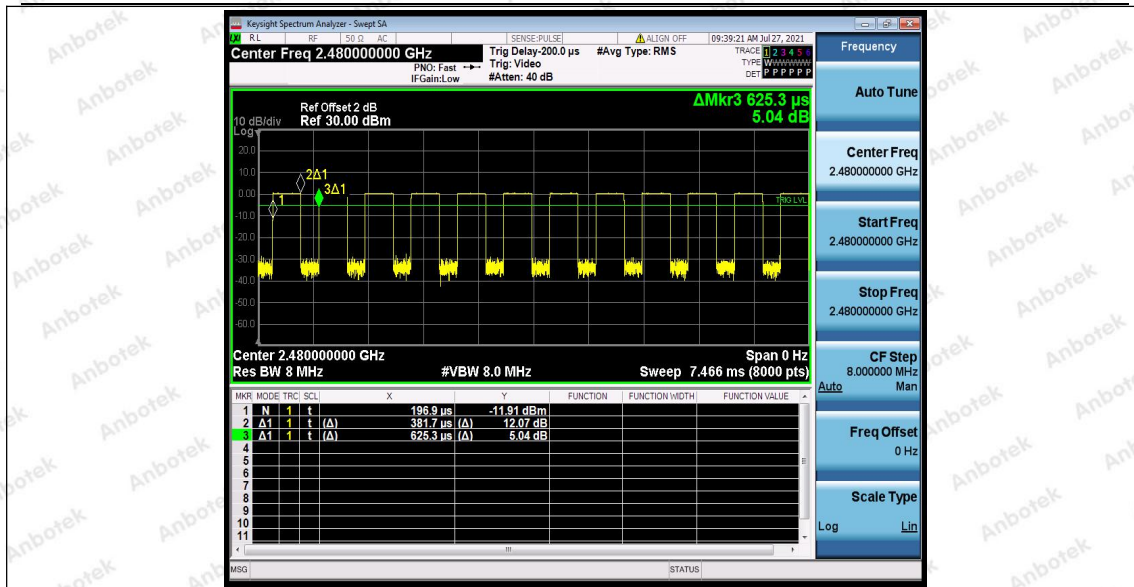


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