

Appendix Test Data

Project No.:	18220WC10151501	Test Date:	2021.7.13
Test Engineer:	<i>Jony. He</i>	Auditor:	<i>Edward. Pan</i>
Temperature:	23.3C°	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	2401.648	2402.324	>=0.5	PASS
		2440	0.660	2439.664	2440.324	>=0.5	PASS
		2480	0.672	2479.656	2480.328	>=0.5	PASS

Test Graphs

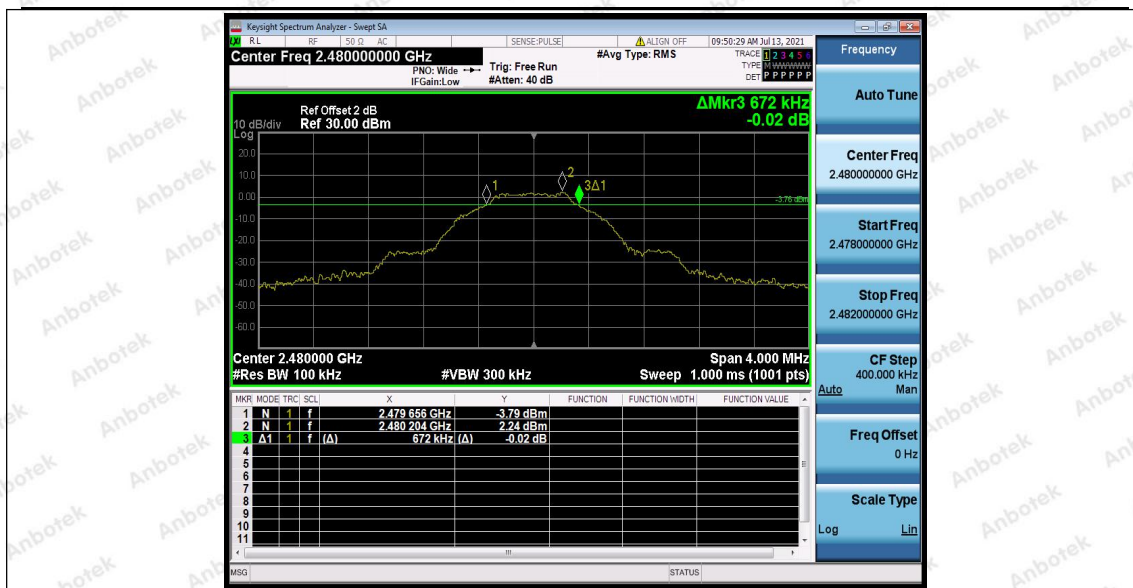


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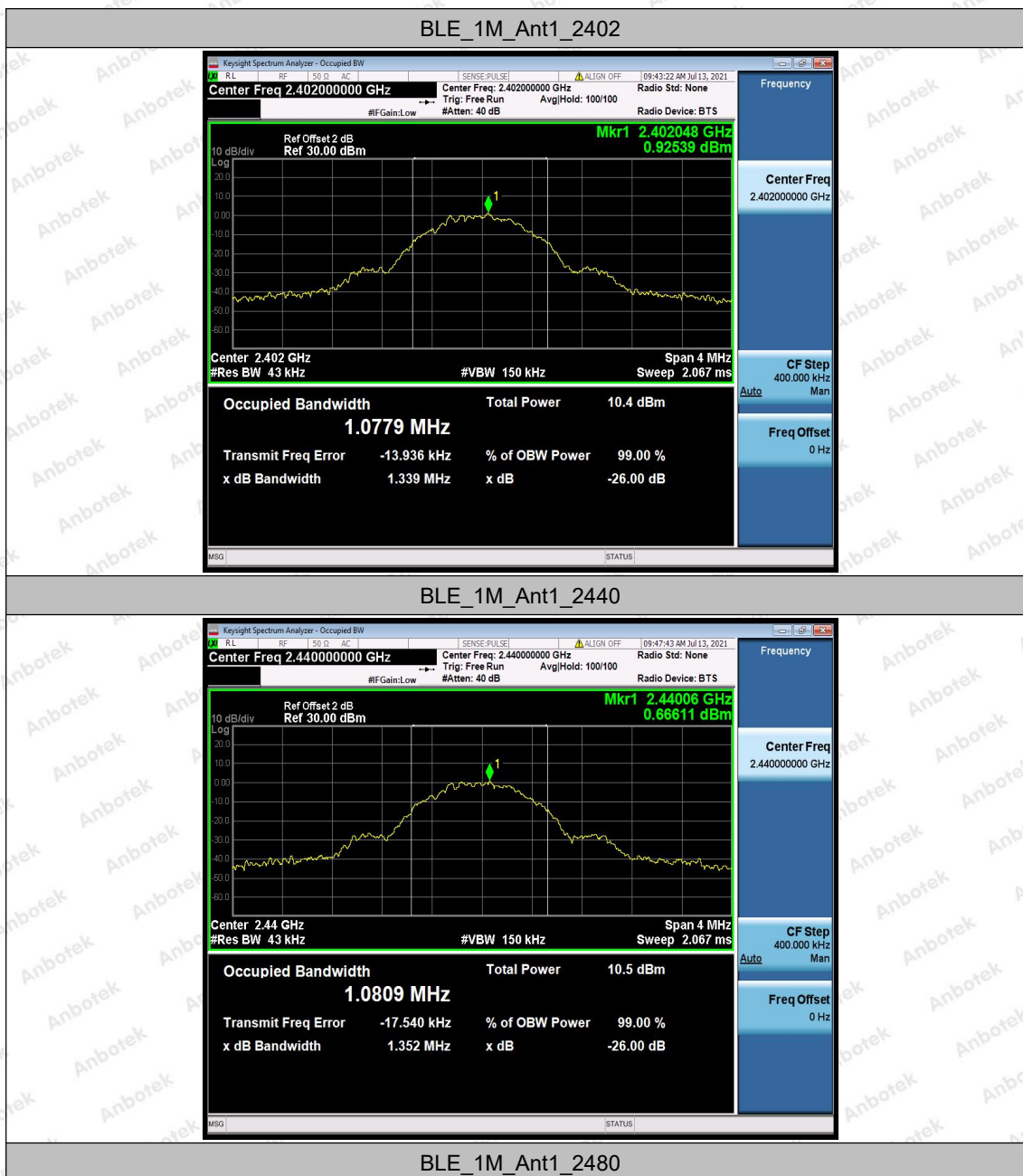
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0779	2401.447	2402.525	---	PASS
		2440	1.0809	2439.442	2440.523	---	PASS
		2480	1.1016	2479.431	2480.533	---	PASS

Test Graphs



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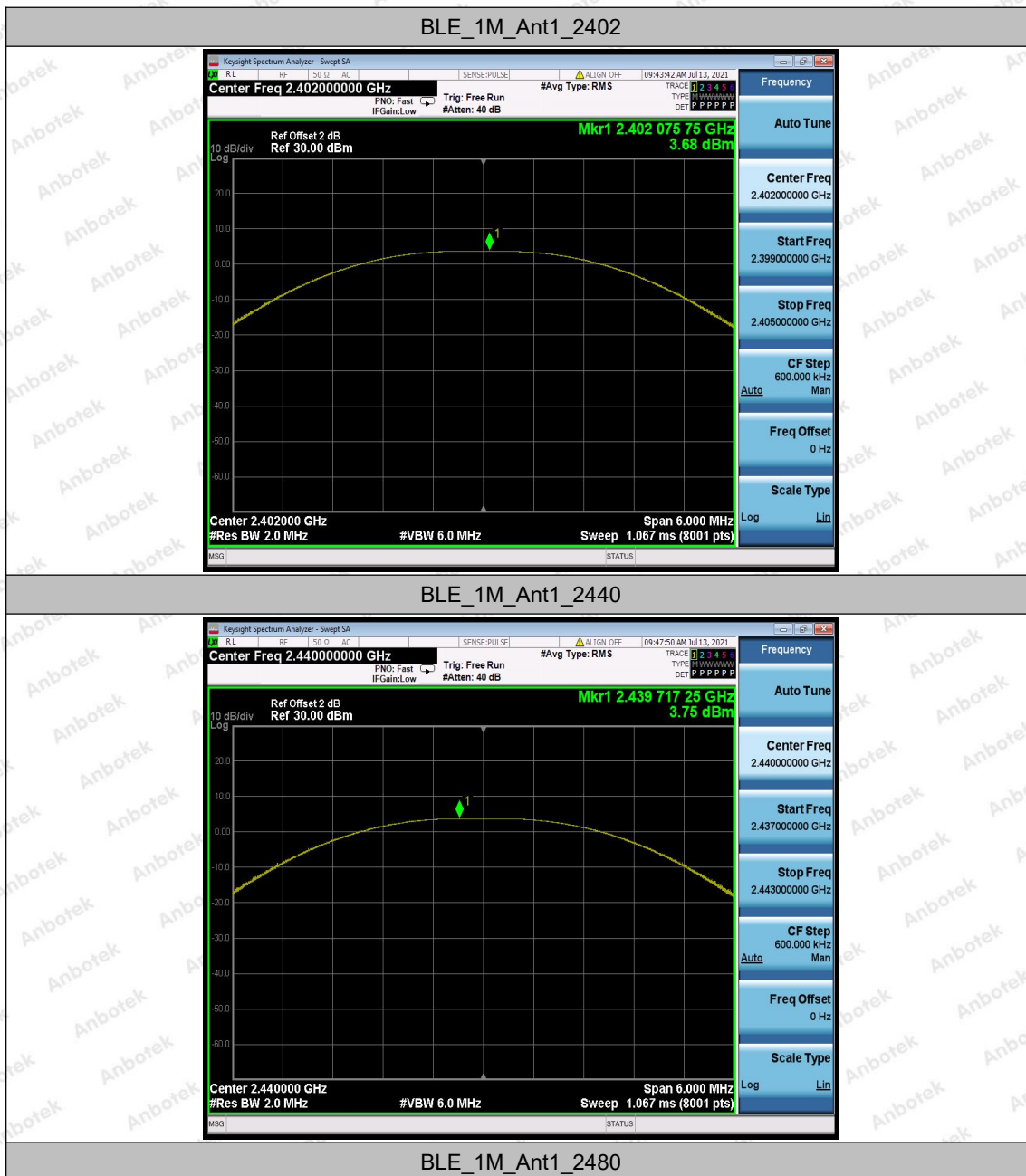
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	3.68	<=30	PASS
		2440	3.75	<=30	PASS
		2480	3.22	<=30	PASS

Test Graphs

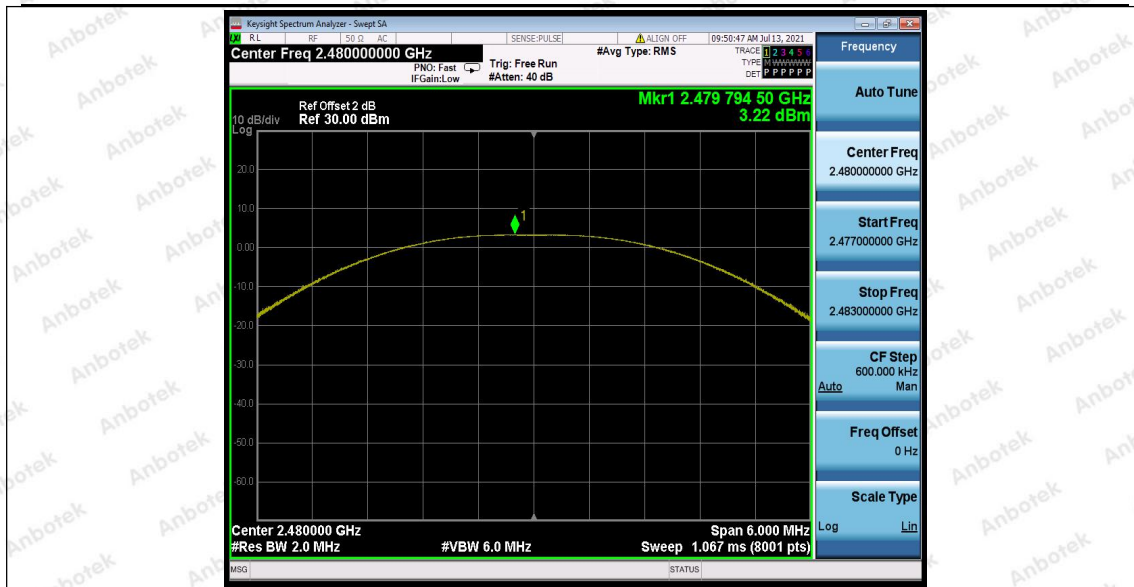


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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/10kHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-4.07	-9.29	<=8	PASS
		2440	-4.04	-9.27	<=8	PASS
		2480	-4.66	-9.88	<=8	PASS

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

Test Graphs



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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	2.87	-39.63	<=-17.13	PASS
		High	2480	2.50	-40.5	<=-17.51	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	2.73	2.73	---	PASS
			30~1000	2.73	-68.1	<=-17.27	PASS
			1000~26500	2.73	-34.03	<=-17.27	PASS
		2440	Reference	2.83	2.83	---	PASS
			30~1000	2.83	-67.55	<=-17.17	PASS
			1000~26500	2.83	-40.12	<=-17.17	PASS
		2480	Reference	2.30	2.30	---	PASS
			30~1000	2.30	-68.36	<=-17.7	PASS
			1000~26500	2.30	-40.32	<=-17.7	PASS

Test Graphs



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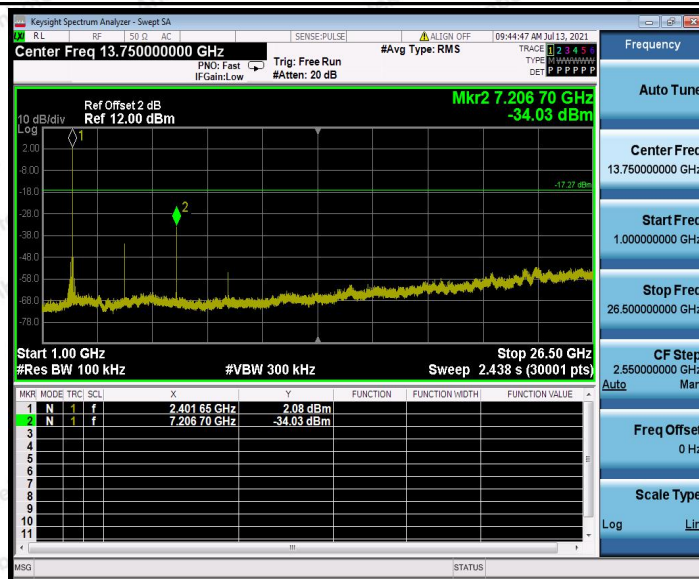
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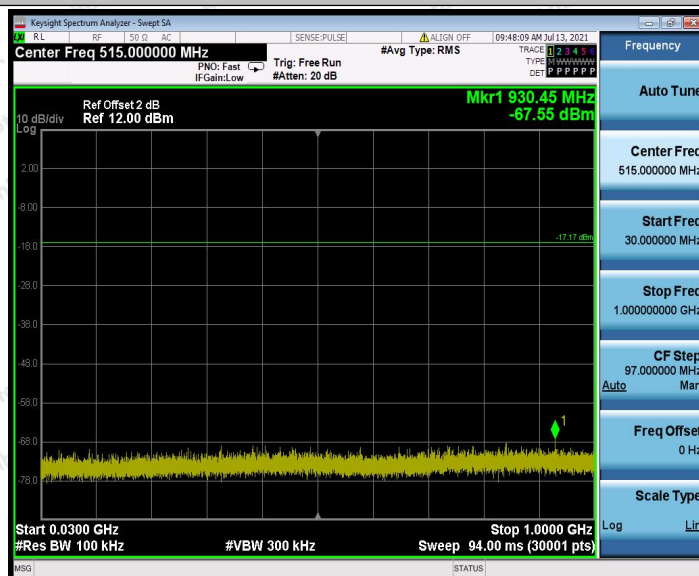
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



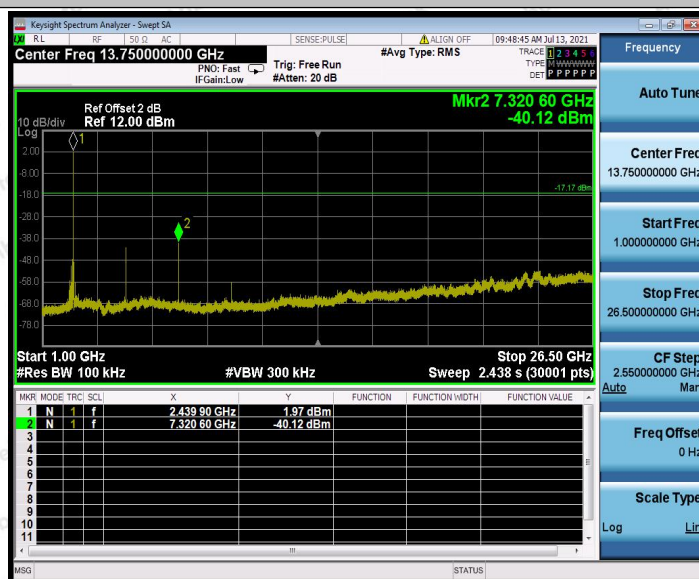
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



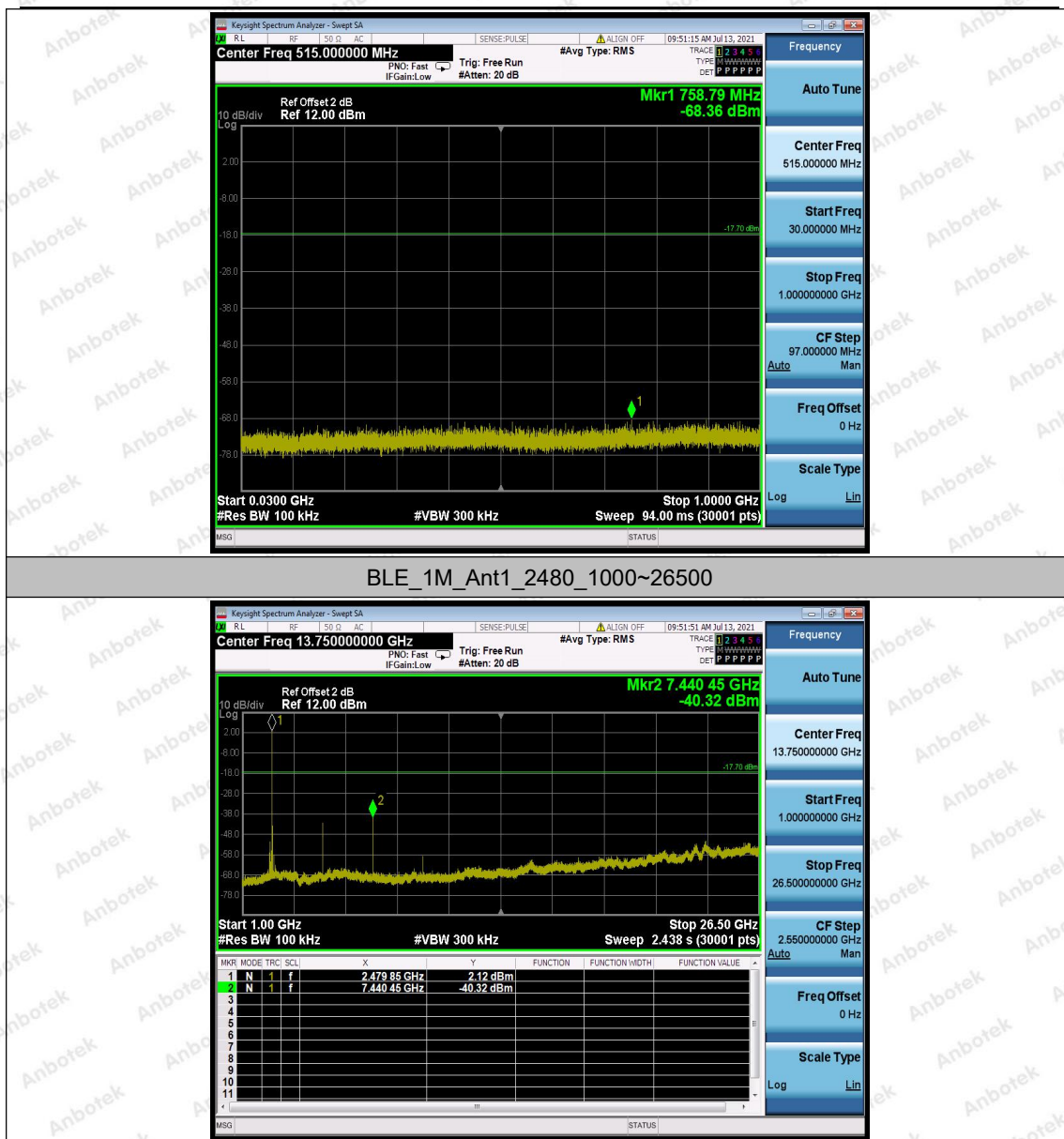
BLE_1M_Ant1_2480_30~1000

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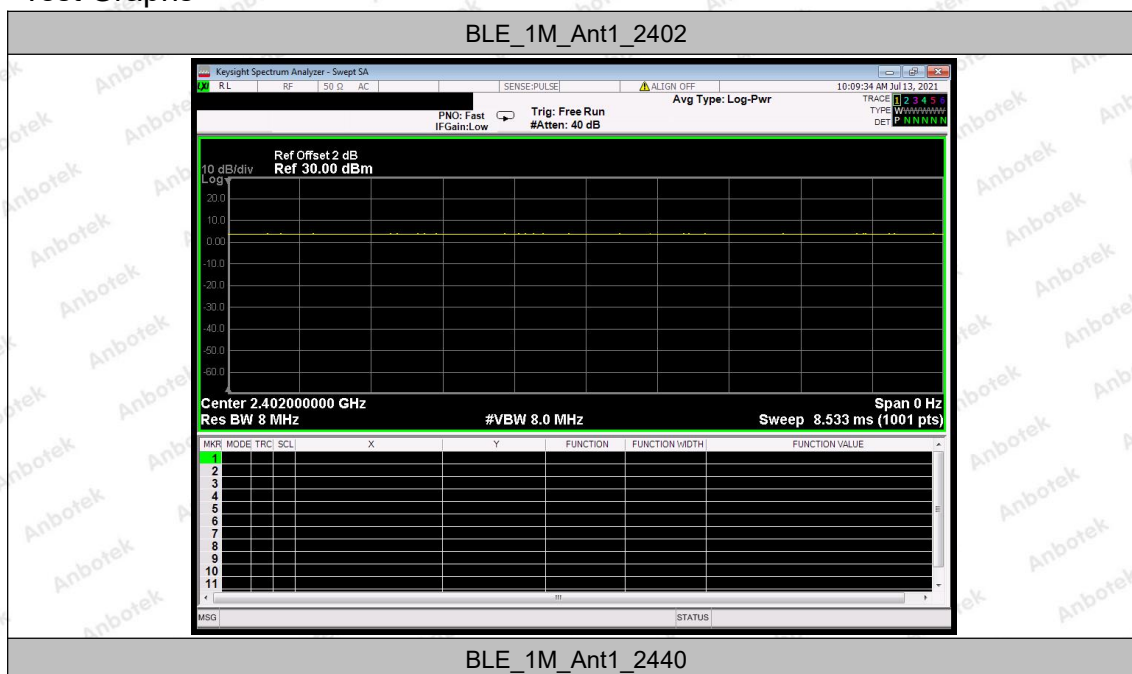
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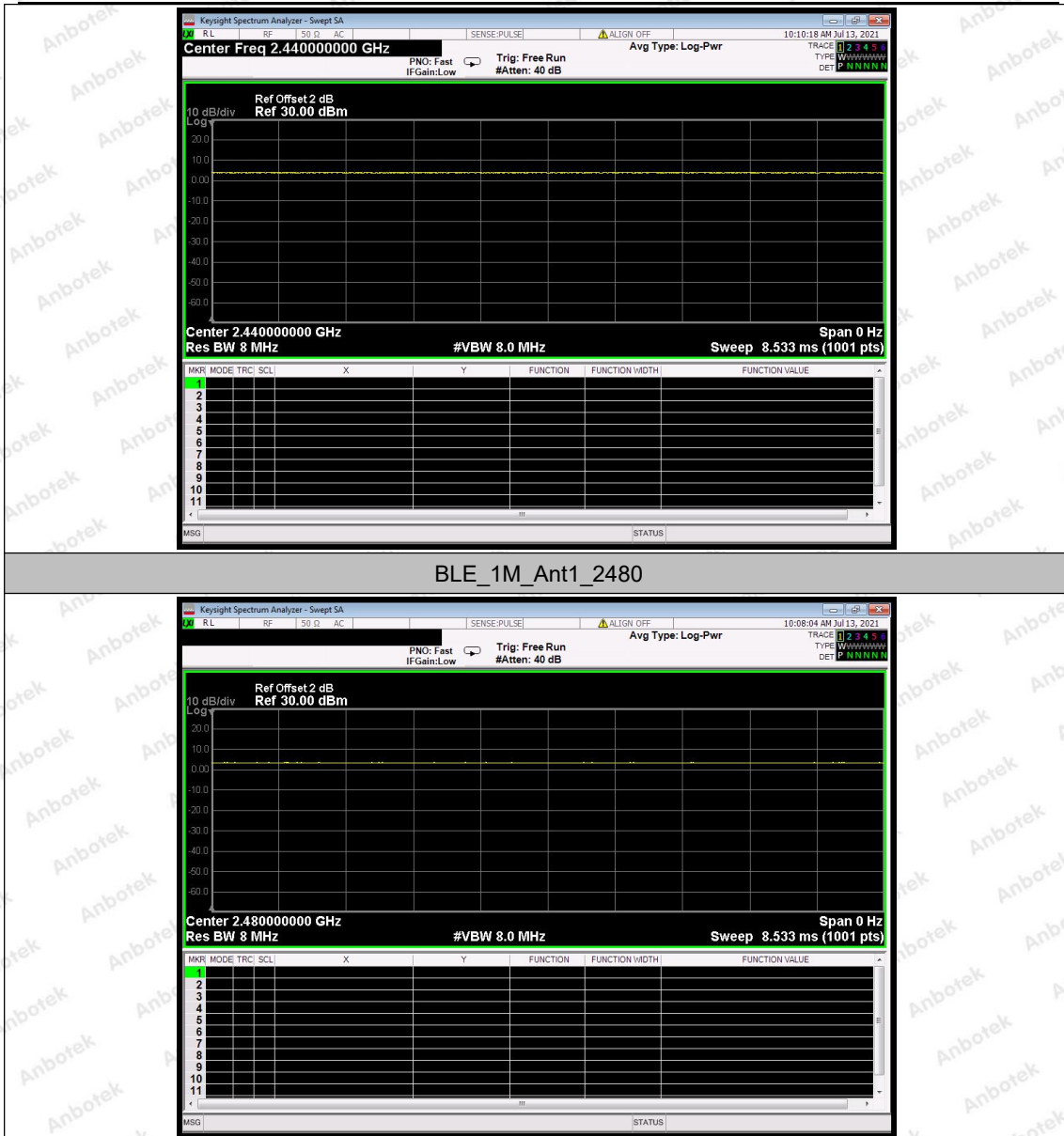
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	8.533	8.533	1	100	0	---	PASS
		2440	8.533	8.533	1	100	0	---	PASS
		2480	8.533	8.533	1	100	0	---	PASS

Test Graphs





---End---