

Appendix Test Data

Report No.:	18220WC20114201	Test Sample No.:	1-2-2
Start Test Date:	2022.5.26	Finish Test Date:	2022.6.22
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.3℃	Relative Humidity:	57.2 %
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	0.552	2401.664	2402.216	≥0.5	PASS
		2440	0.532	2439.660	2440.192	≥0.5	PASS
		2480	0.528	2479.648	2480.176	≥0.5	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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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	1.0412	2401.502	2402.543	---	PASS
		2440	1.0387	2439.496	2440.535	---	PASS
		2480	1.0383	2479.488	2480.526	---	PASS

Test Graphs



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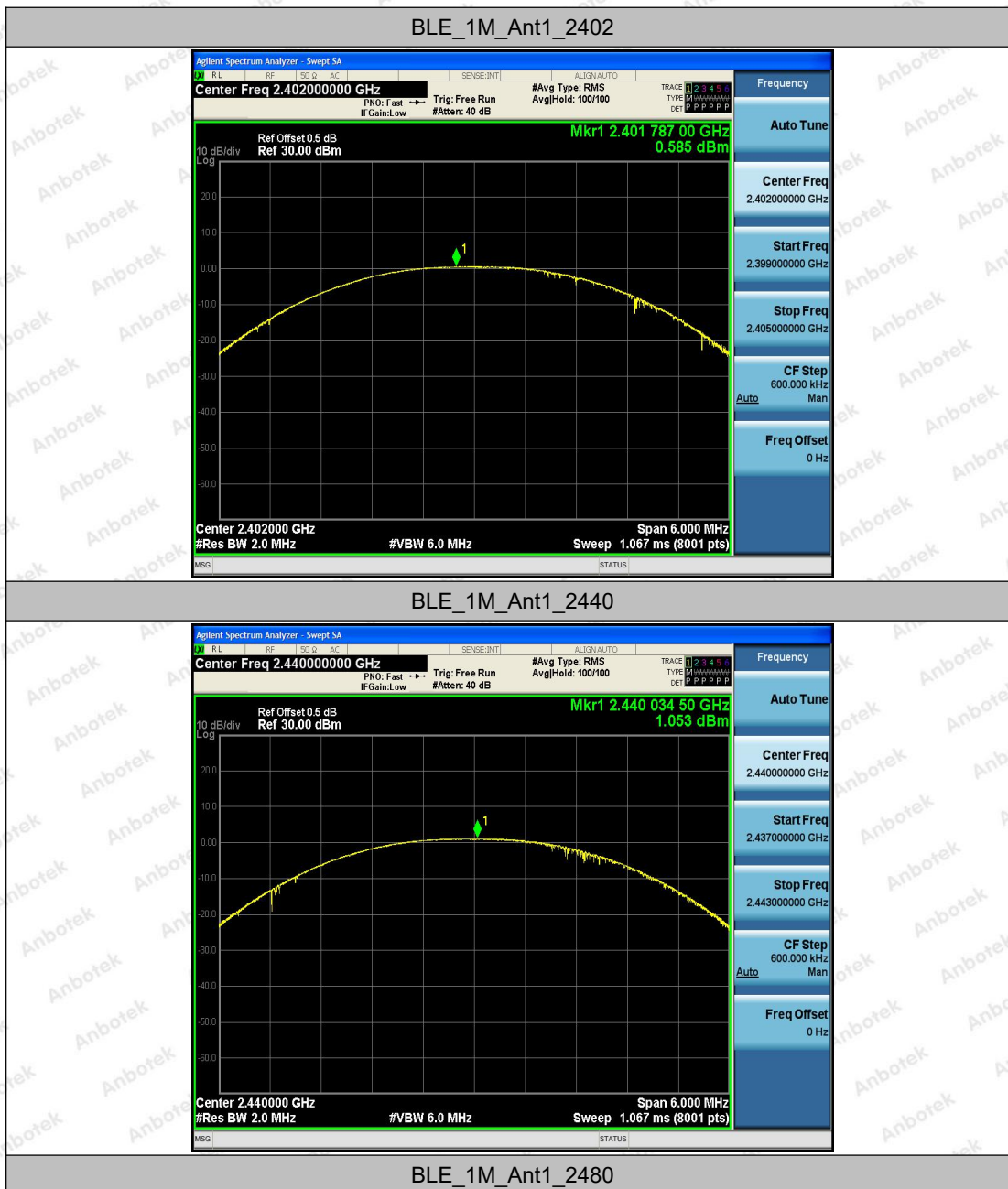
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.59	≤30	PASS
		2440	1.05	≤30	PASS
		2480	1.9	≤30	PASS

Test Graphs

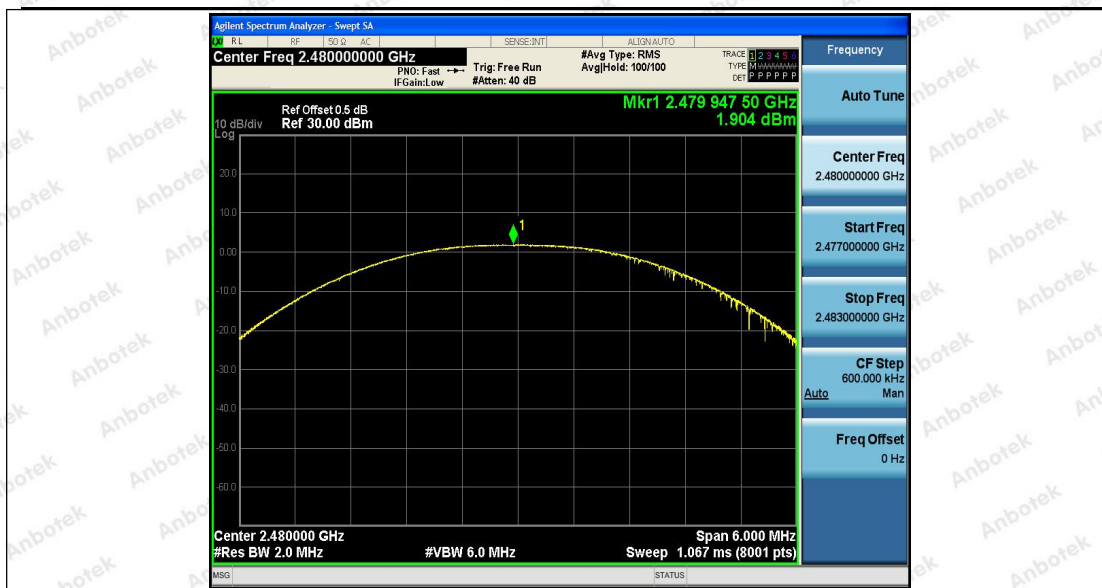


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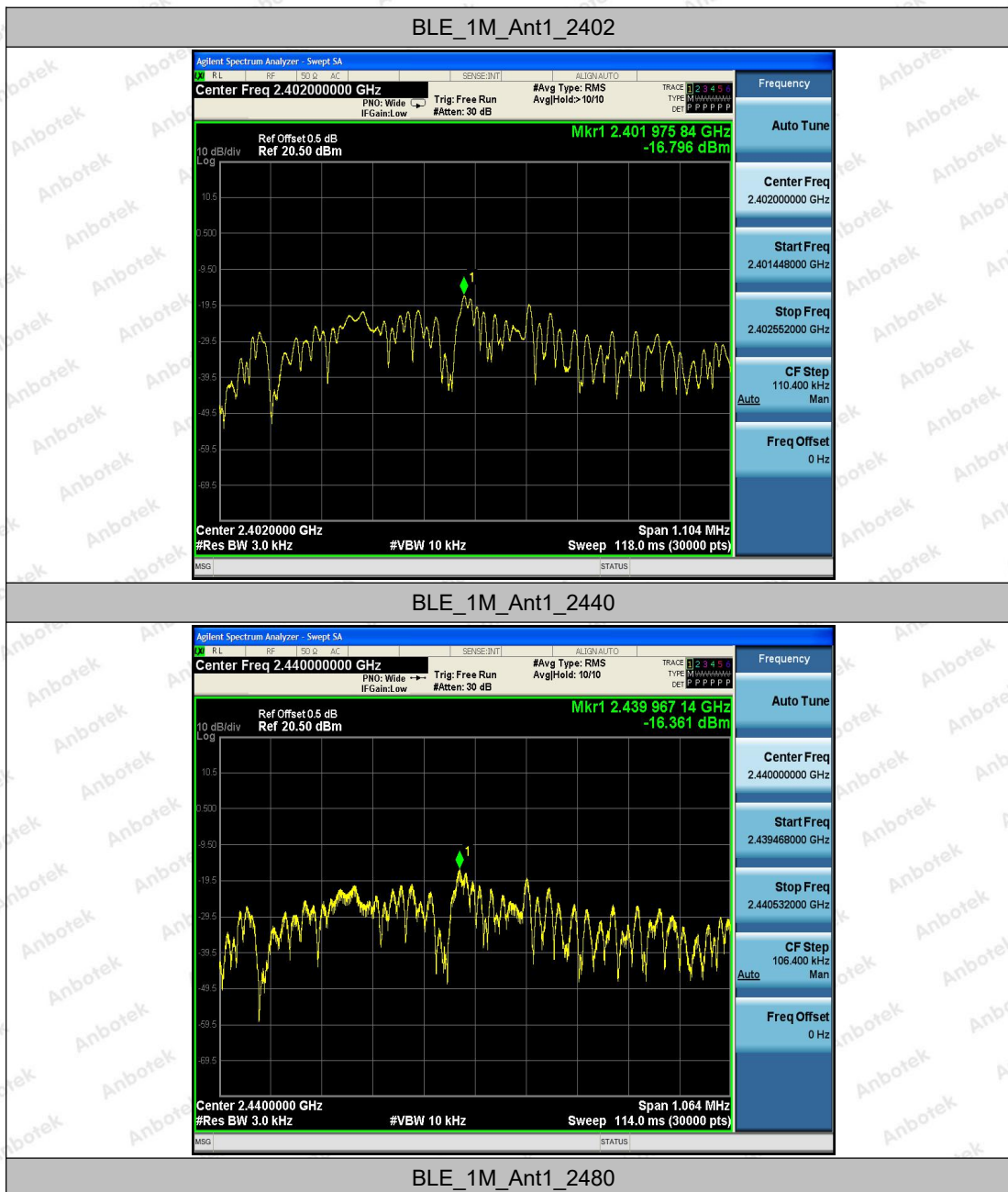
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-16.8	≤8	PASS
		2440	-16.36	≤8	PASS
		2480	-15.56	≤8	PASS

Test Graphs



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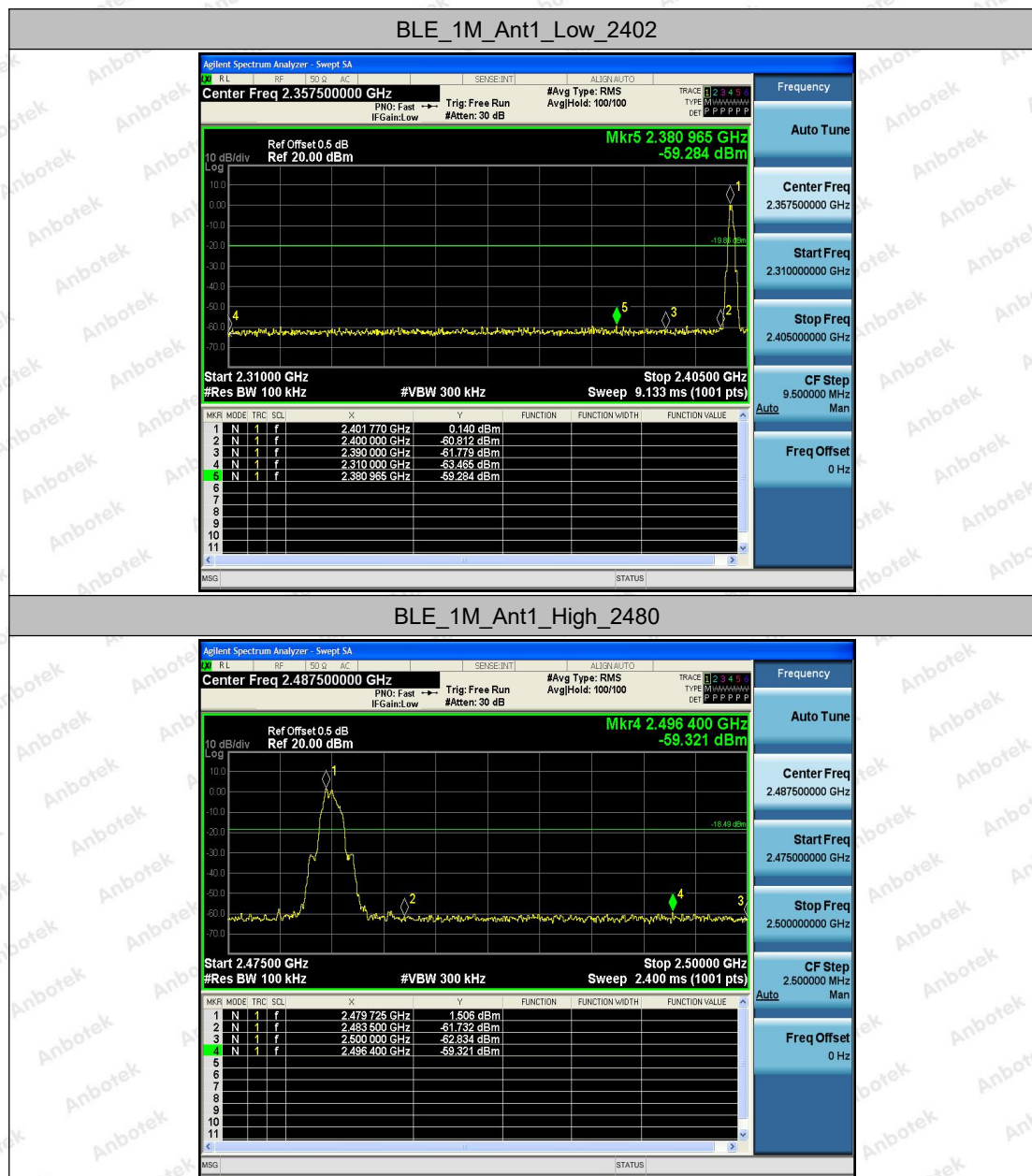
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.14	-59.28	≤-19.86	PASS
		High	2480	1.51	-59.32	≤-18.49	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

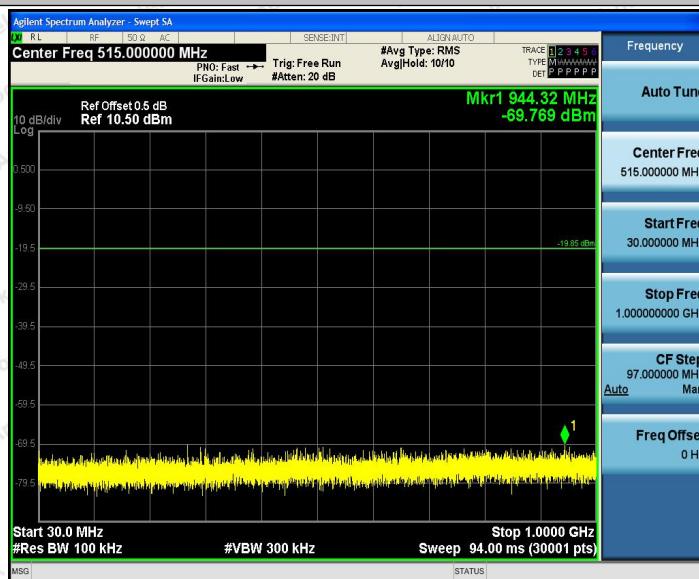
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	0.15	0.15	---	PASS
			30~1000	0.15	-69.77	≤-19.85	PASS
			1000~265 00	0.15	-55.28	≤-19.85	PASS
		2440	Reference	0.58	0.58	---	PASS
			30~1000	0.58	-69.25	≤-19.42	PASS
			1000~265 00	0.58	-51.14	≤-19.42	PASS
		2480	Reference	1.47	1.47	---	PASS
			30~1000	1.47	-69.75	≤-18.53	PASS
			1000~265 00	1.47	-53.94	≤-18.53	PASS

Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



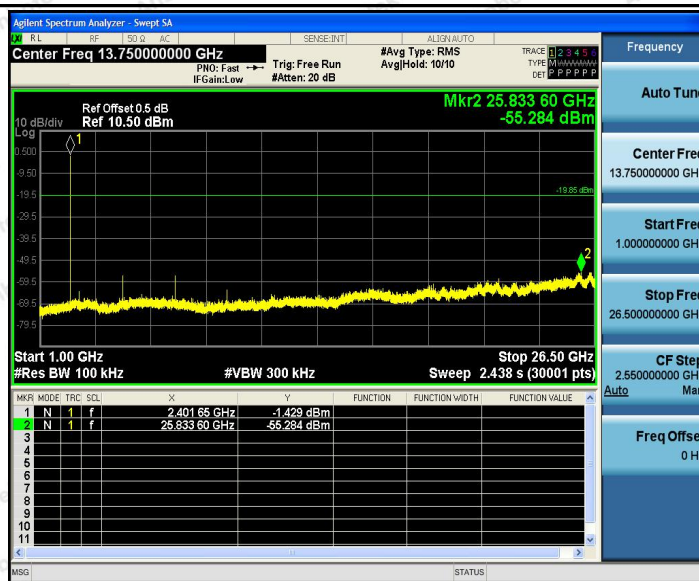
BLE_1M_Ant1_2402_1000~26500

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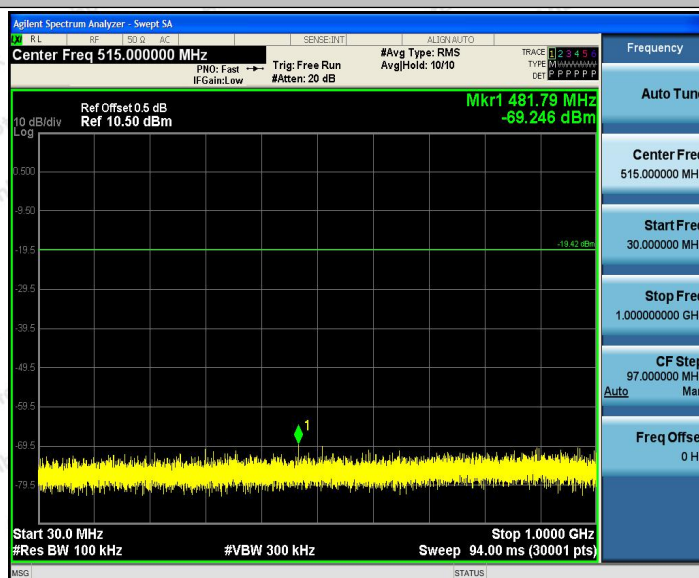
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



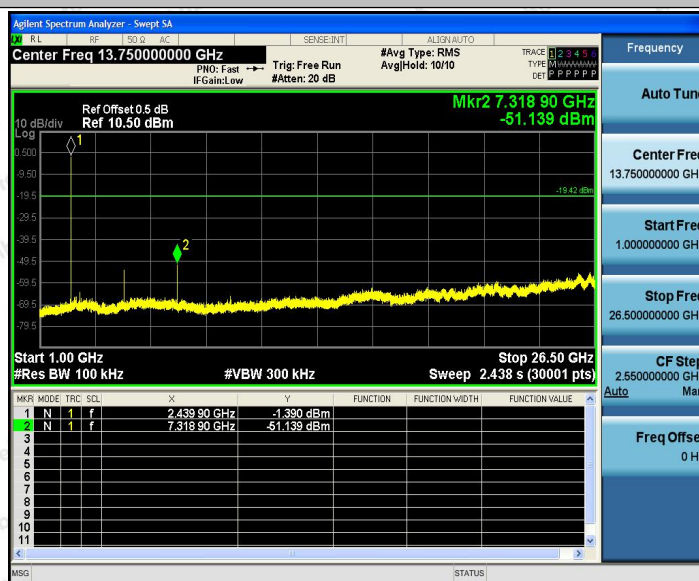
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



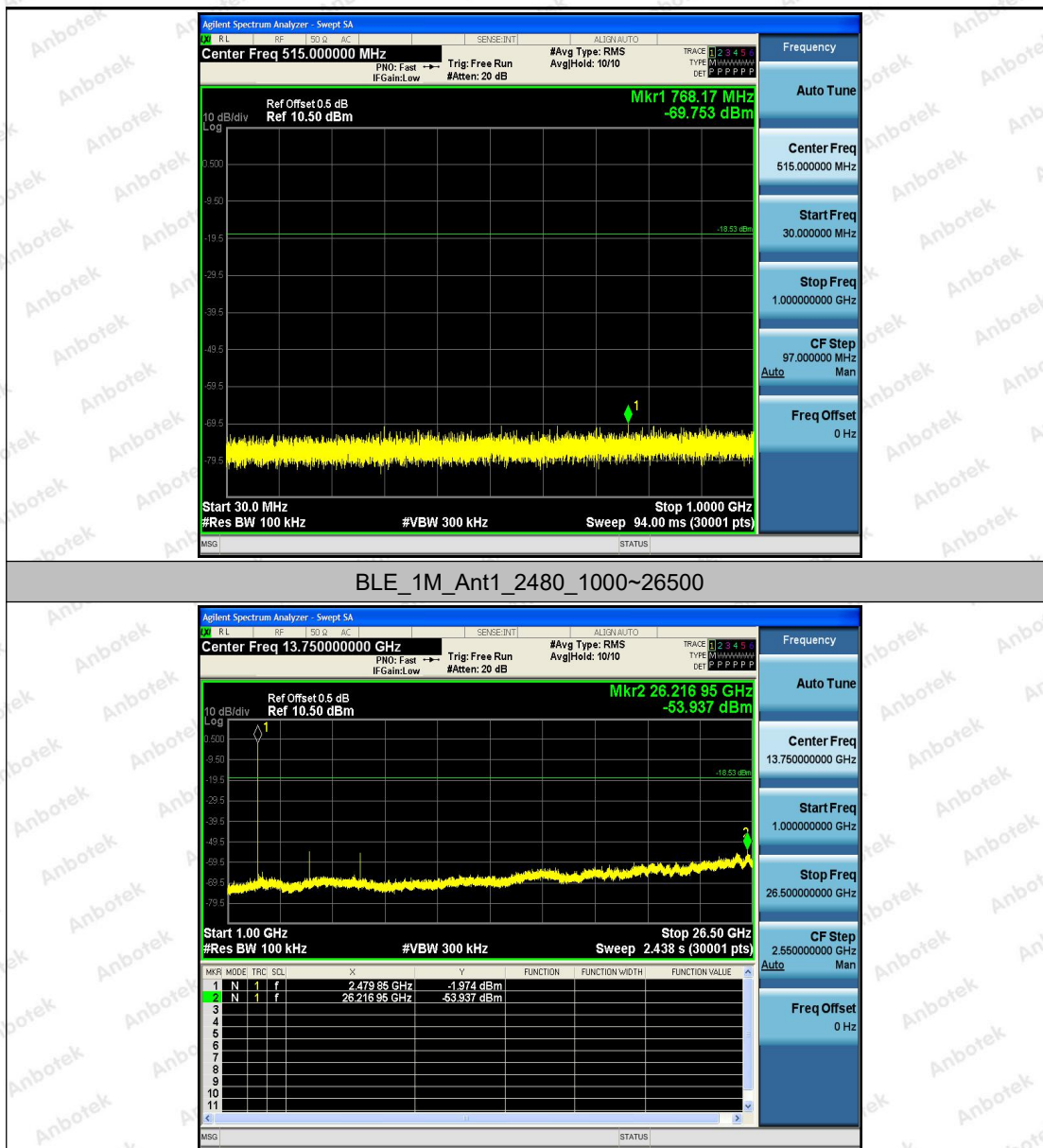
BLE_1M_Ant1_2480_30~1000

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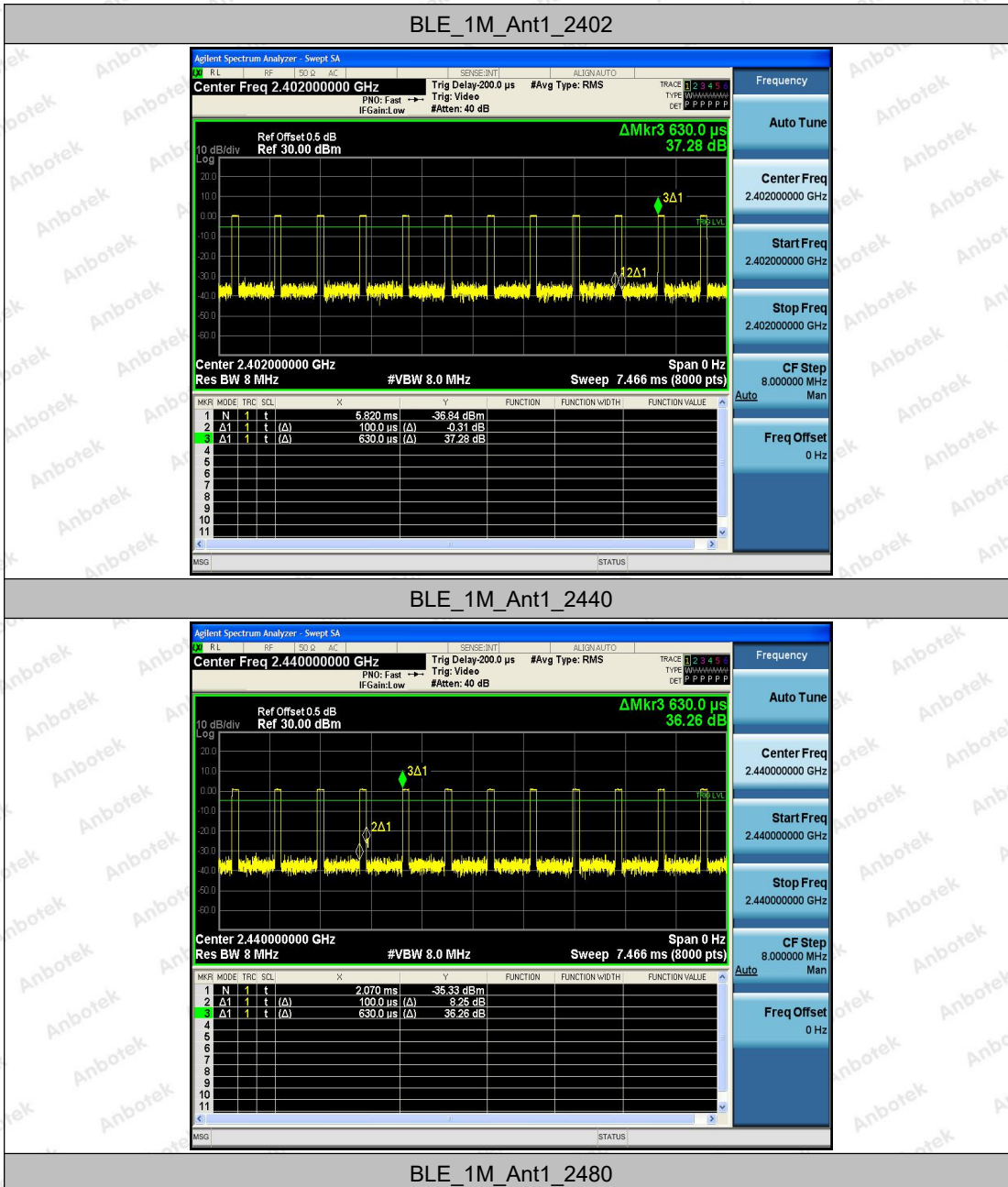
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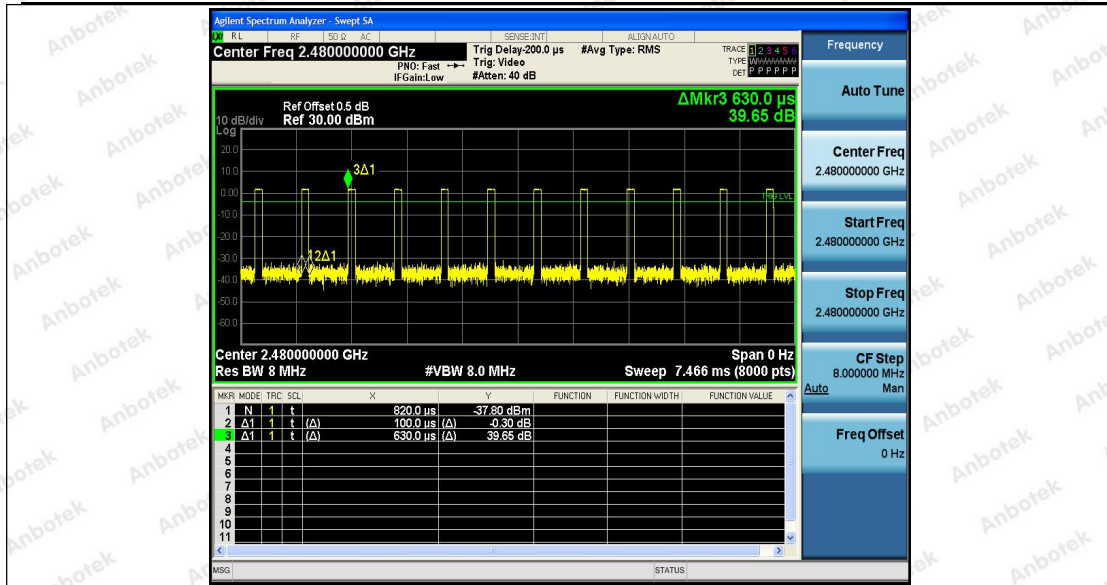
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	0.10	0.63	0.158 7	15.87	7.99	---	PASS
		2440	0.10	0.63	0.158 7	15.87	7.99	---	PASS
		2480	0.10	0.63	0.158 7	15.87	7.99	---	PASS

Test Graphs





---End---