

Appendix Test Data

Report No.:	18220WC10272101	Test Sample No.:	1-2-2
Start Test Date:	2021.12.13	Finish Test Date:	2021.12.31
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	23.3℃	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	0.564	2401.700	2402.264	≥0.5	PASS
		2440	0.524	2439.700	2440.224	≥0.5	PASS
		2480	0.516	2479.704	2480.220	≥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	1.0069	2401.534	2402.541	---	PASS
		2440	1.0551	2439.523	2440.578	---	PASS
		2480	1.0668	2479.520	2480.587	---	PASS

Test Graphs





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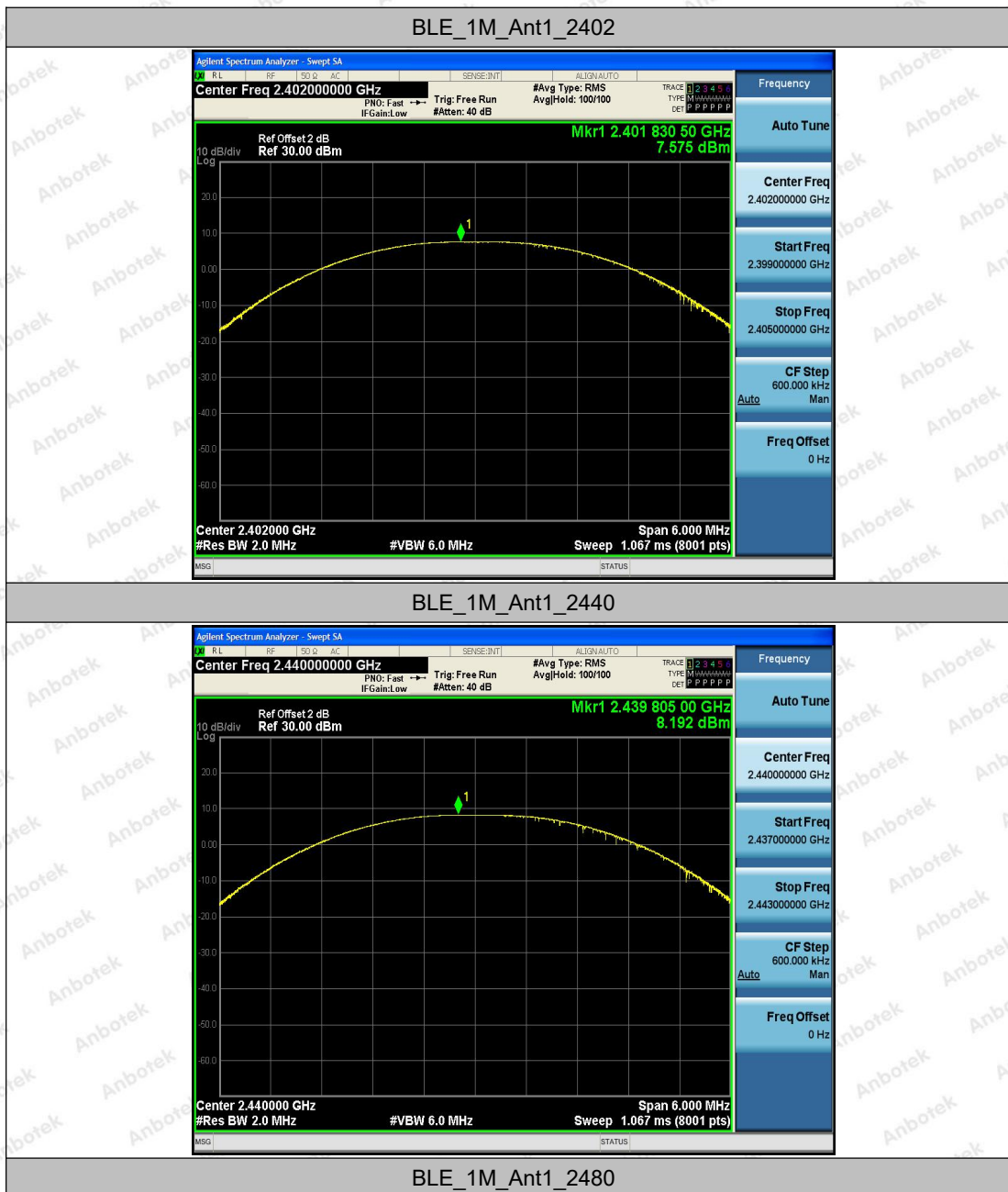
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	7.58	≤30	PASS
		2440	8.19	≤30	PASS
		2480	7.43	≤30	PASS

Test Graphs

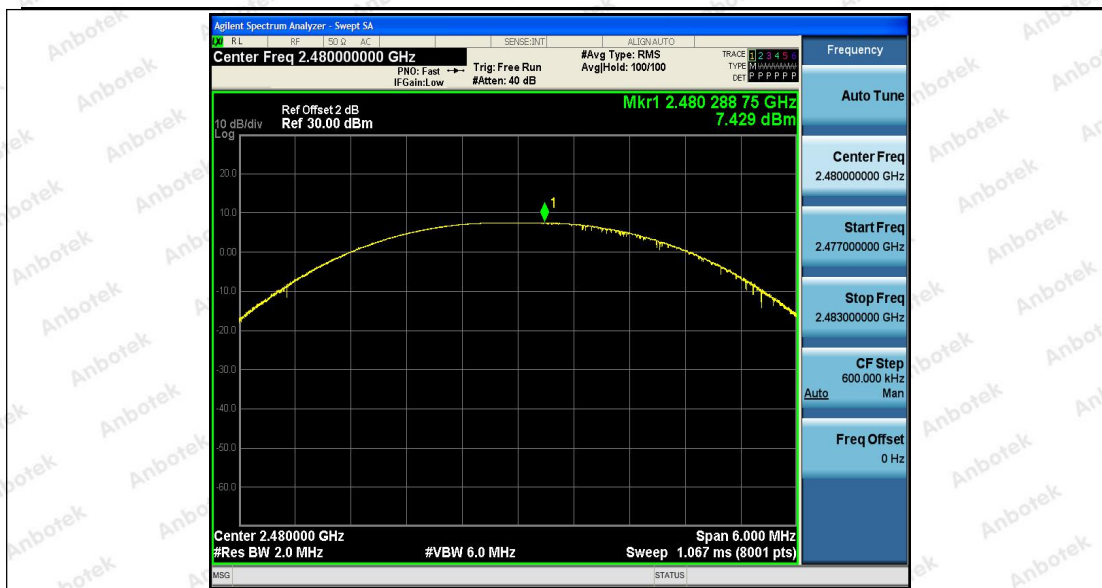


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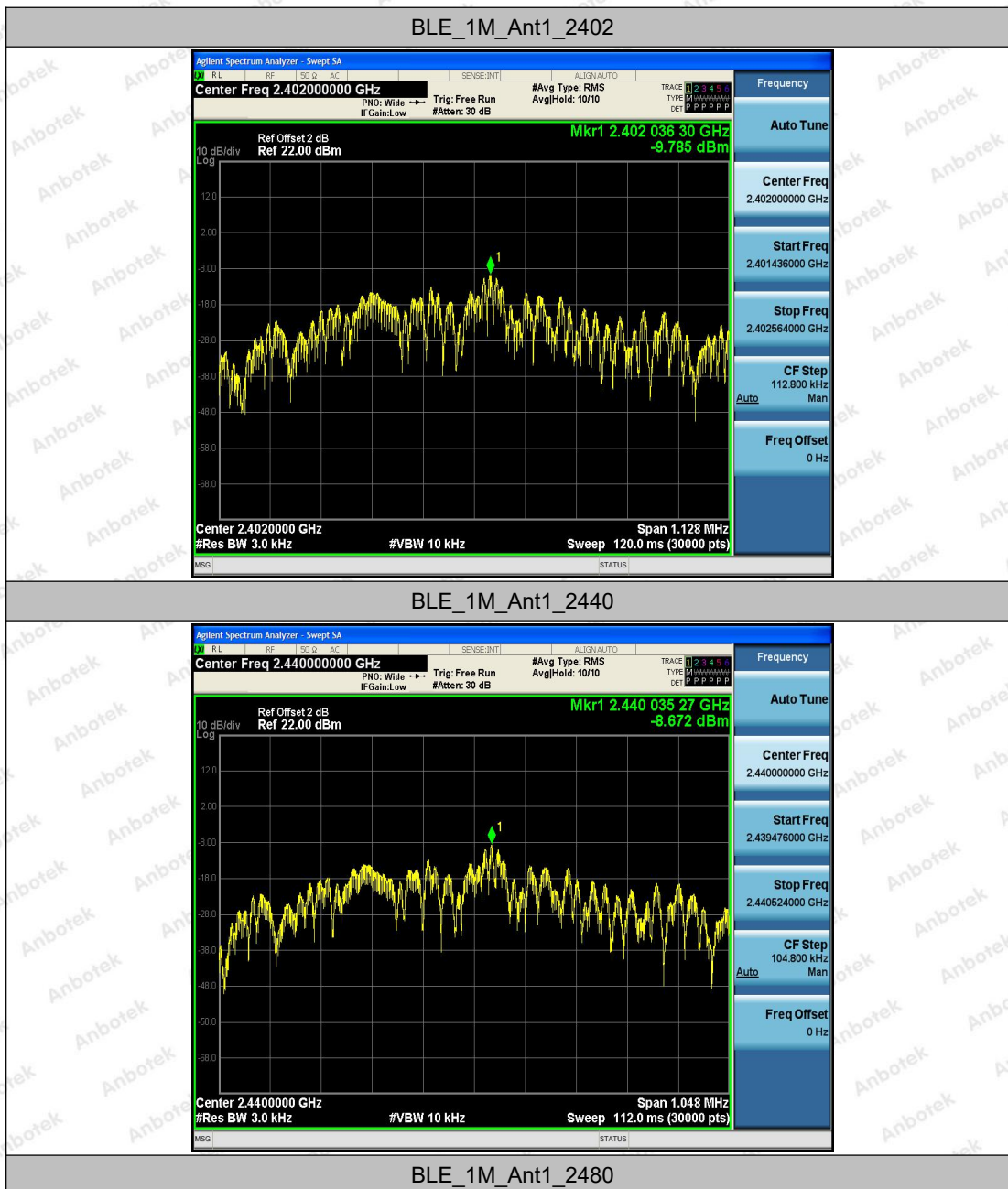
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-9.79	≤8	PASS
		2440	-8.67	≤8	PASS
		2480	-9.42	≤8	PASS

Test Graphs

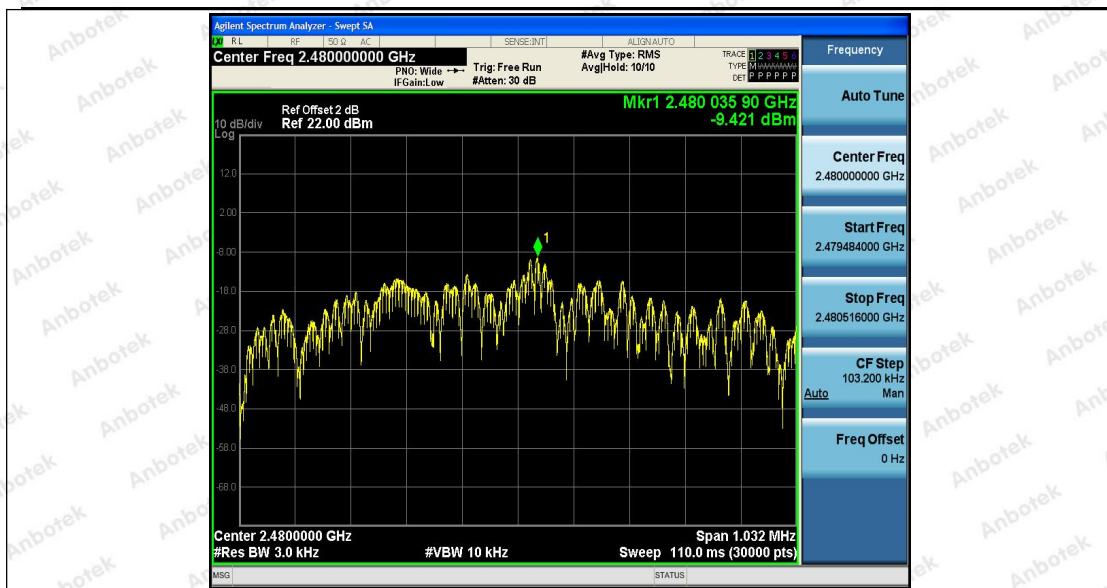


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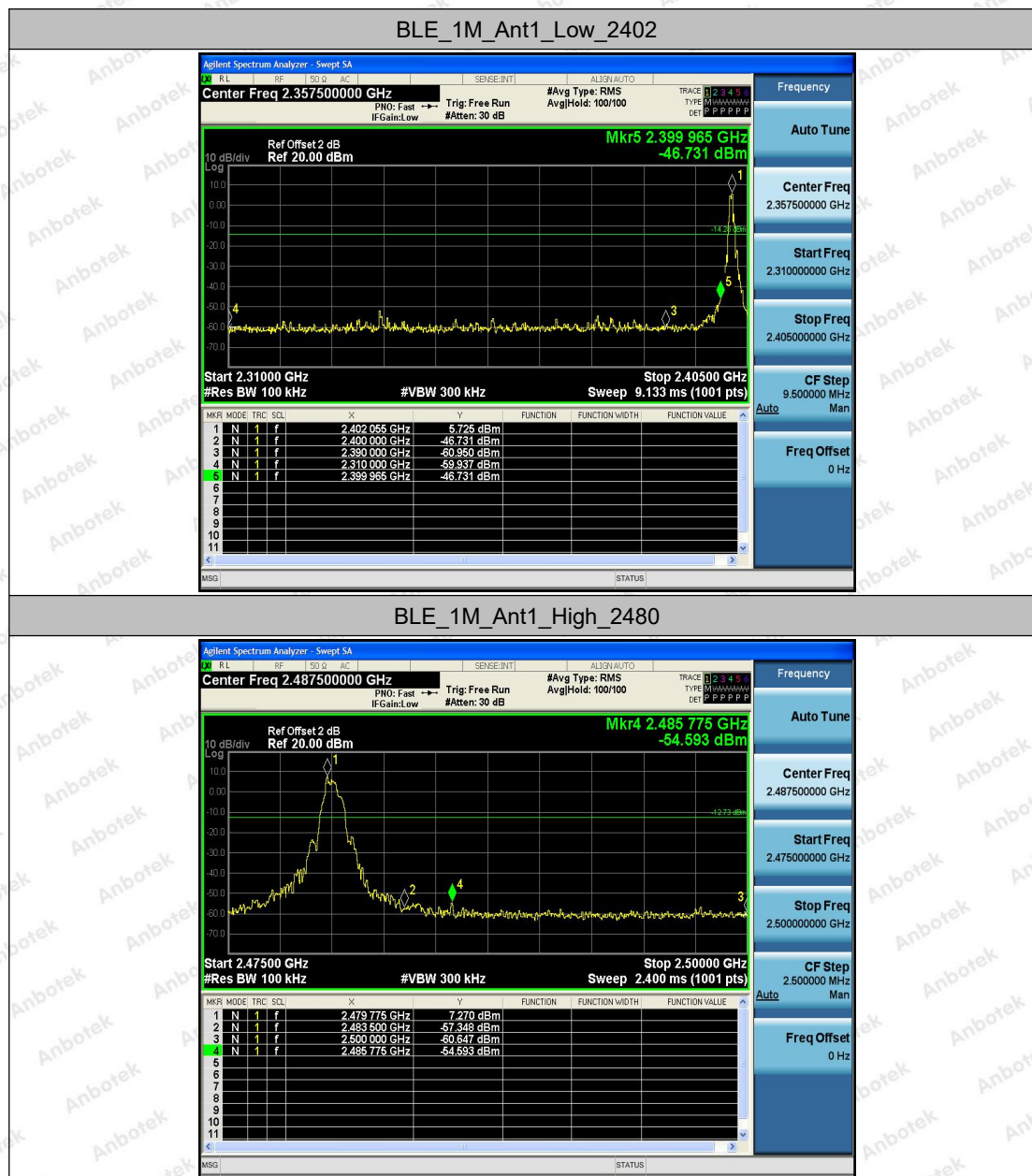
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	5.73	-46.73	≤ -14.28	PASS
		High	2480	7.27	-54.59	≤ -12.73	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

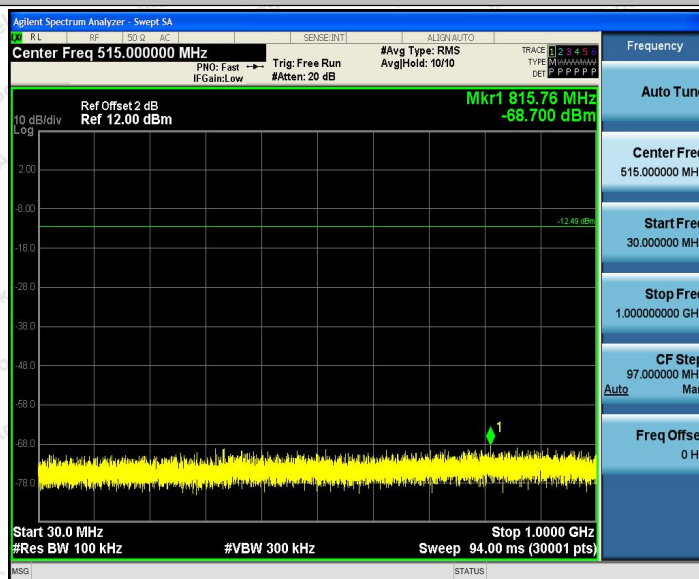
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	7.51	7.51	---	PASS
			30~1000	7.51	-68.7	≤-12.49	PASS
			1000~265 00	7.51	-46.99	≤-12.49	PASS
		2440	Reference	7.98	7.98	---	PASS
			30~1000	7.98	-68.04	≤-12.02	PASS
			1000~265 00	7.98	-48.28	≤-12.02	PASS
		2480	Reference	7.23	7.23	---	PASS
			30~1000	7.23	-68.52	≤-12.77	PASS
			1000~265 00	7.23	-47.98	≤-12.77	PASS

Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



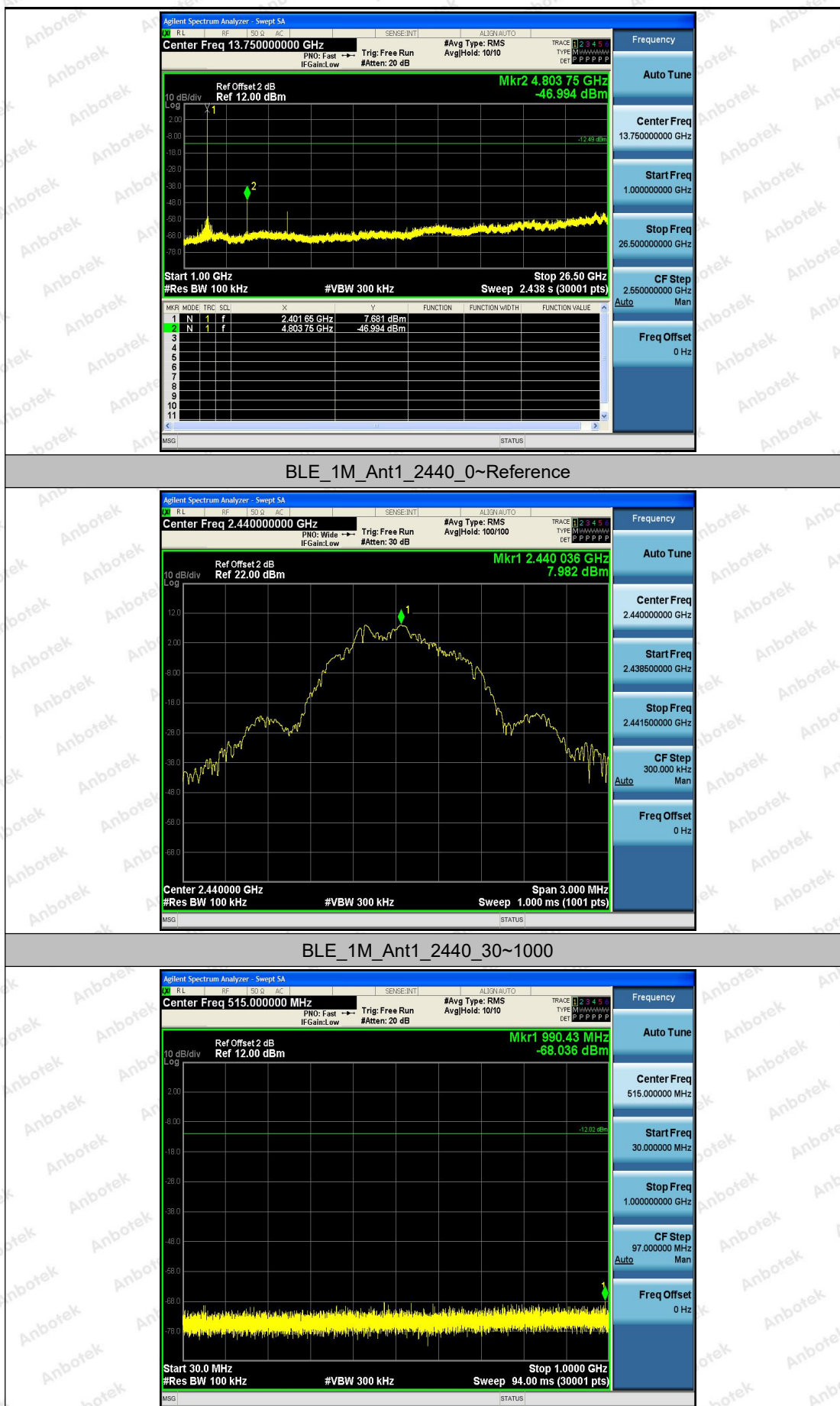
BLE_1M_Ant1_2402_1000~26500

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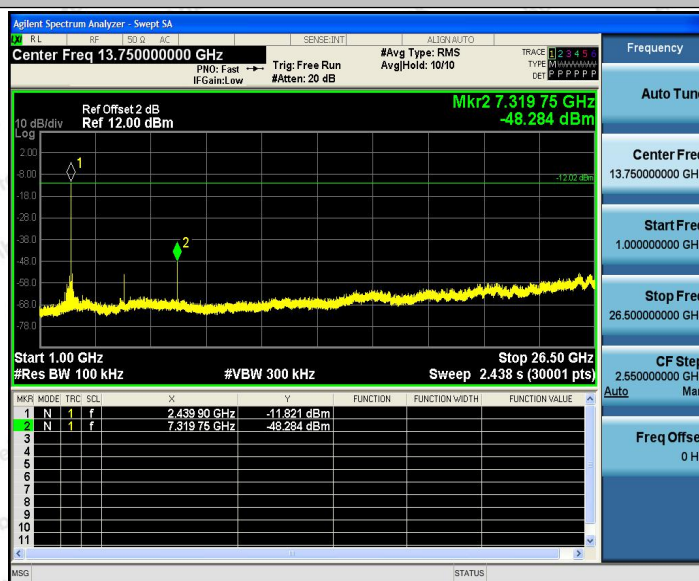
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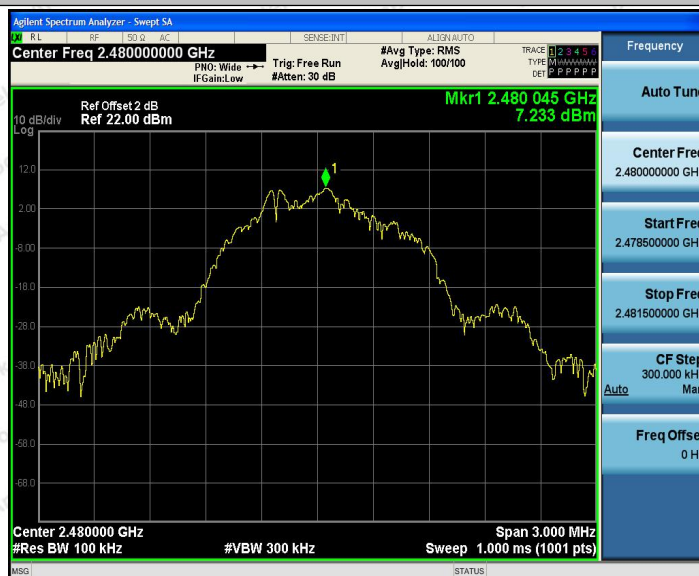
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



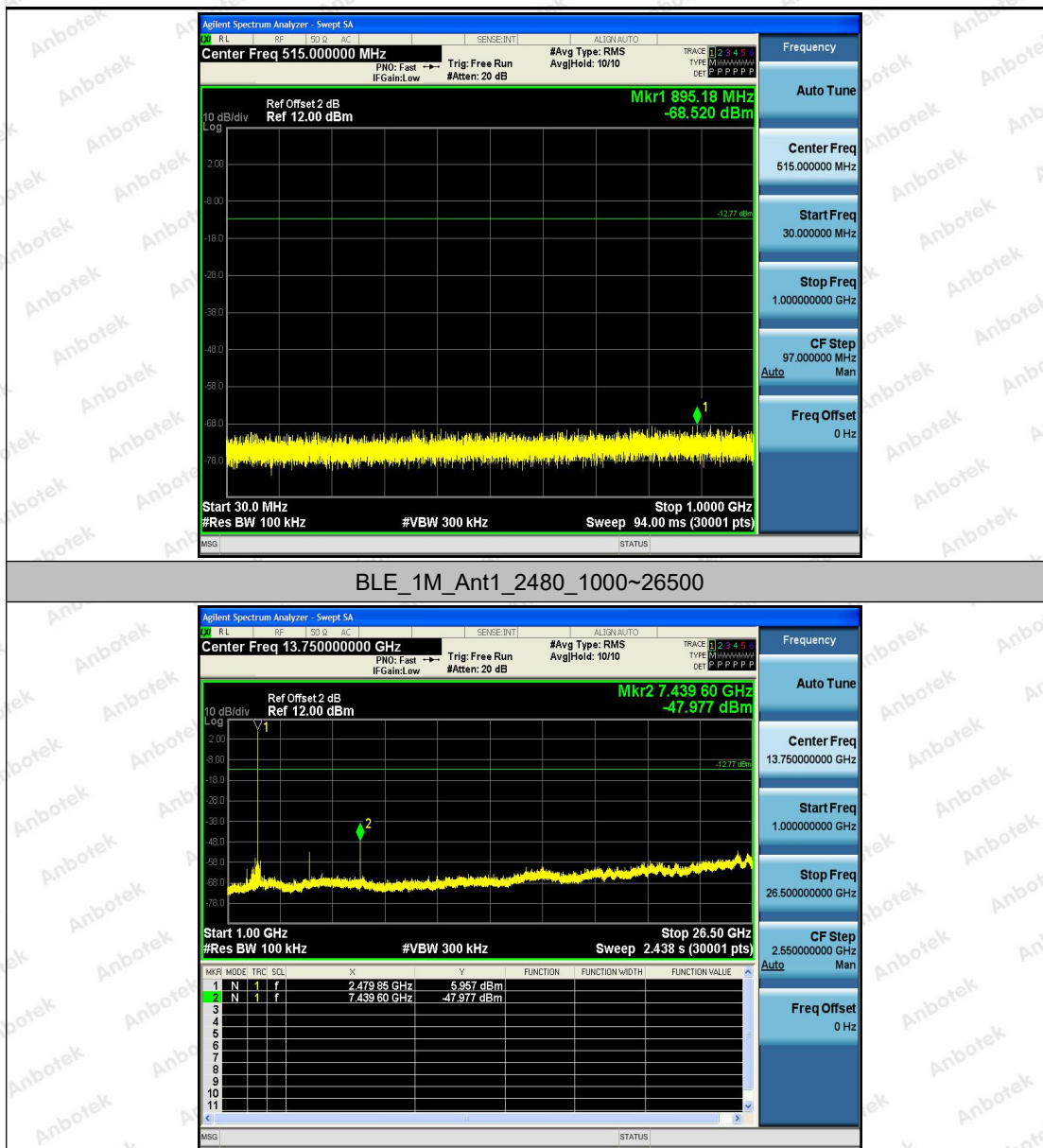
BLE_1M_Ant1_2480_30~1000

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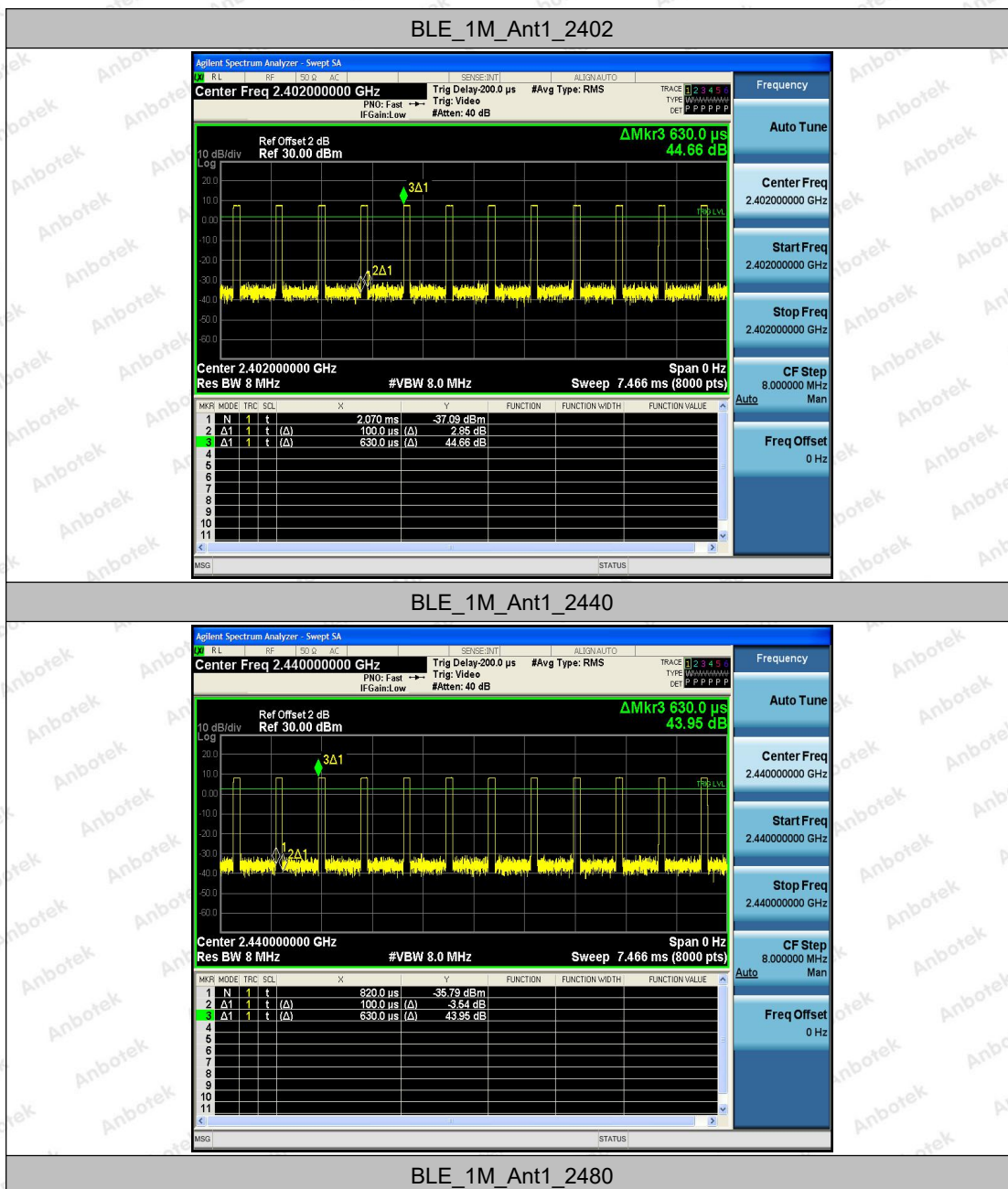
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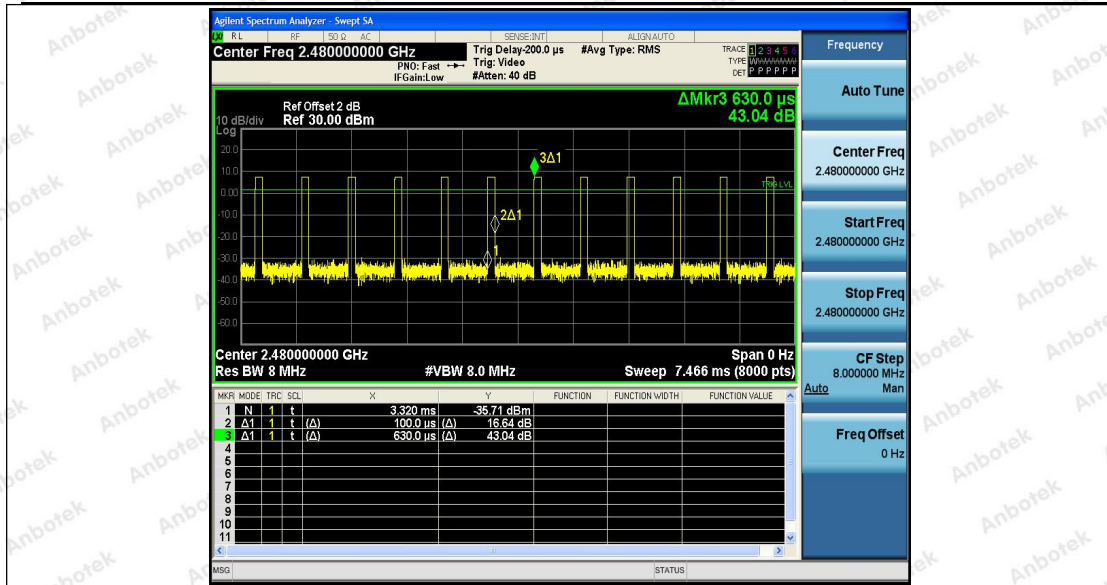
Appendix G: Duty Cycle

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---