

Appendix Test Data

Report No.:	18220WC10279902	Test Sample No.:	1-2-2
Start Test Date:	2021.12.17	Finish Test Date:	2021.12.21
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.3℃	Relative Humidity:	57 %
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	0.680	2401.652	2402.332	≥0.5	PASS
		2440	0.680	2439.652	2440.332	≥0.5	PASS
		2480	0.684	2479.648	2480.332	≥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	1.0298	2401.491	2402.521	---	PASS
		2440	1.0248	2439.492	2440.517	---	PASS
		2480	1.0342	2479.490	2480.524	---	PASS

Test Graphs



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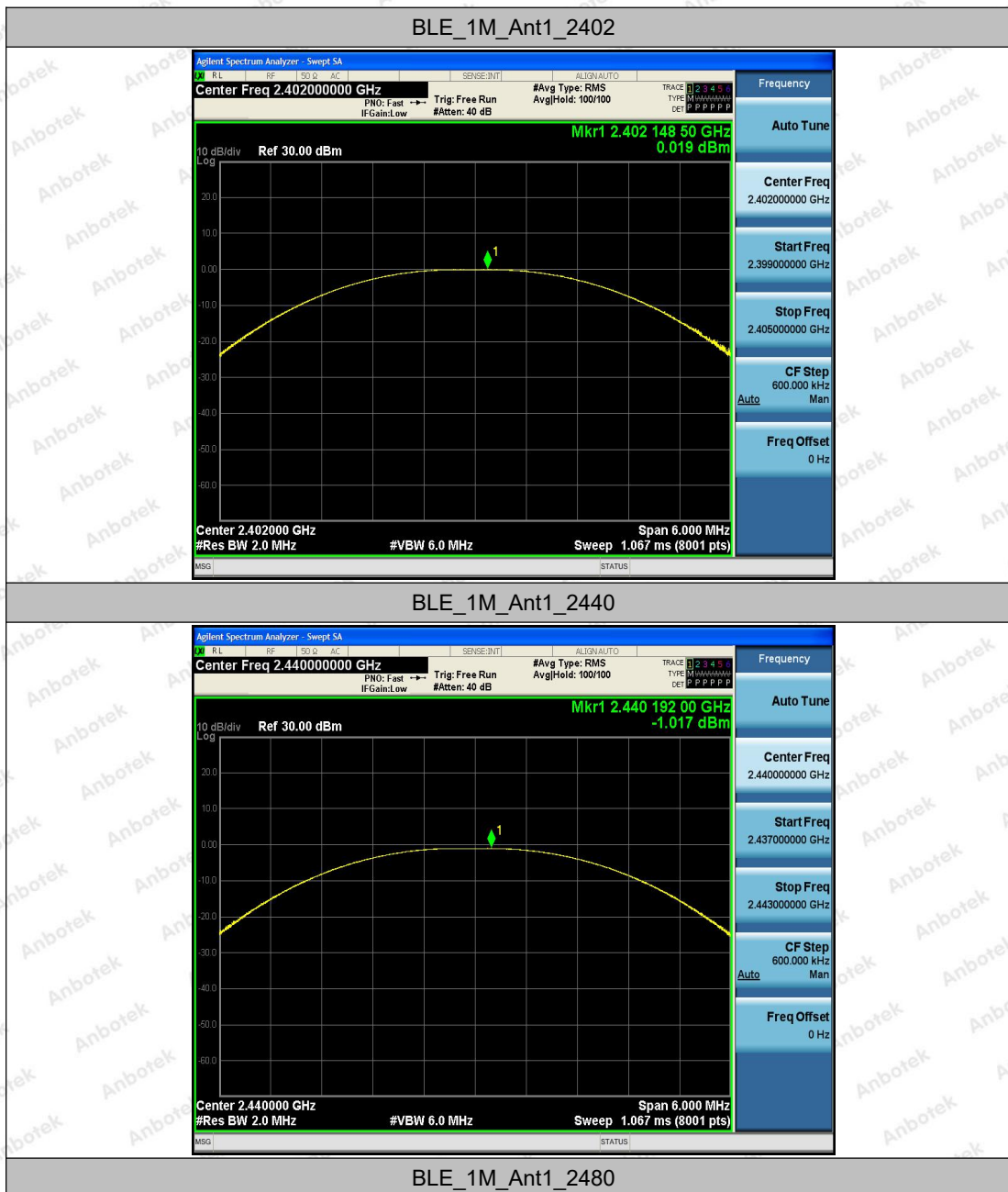
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.02	≤30	PASS
		2440	-1.02	≤30	PASS
		2480	0.34	≤30	PASS

Test Graphs

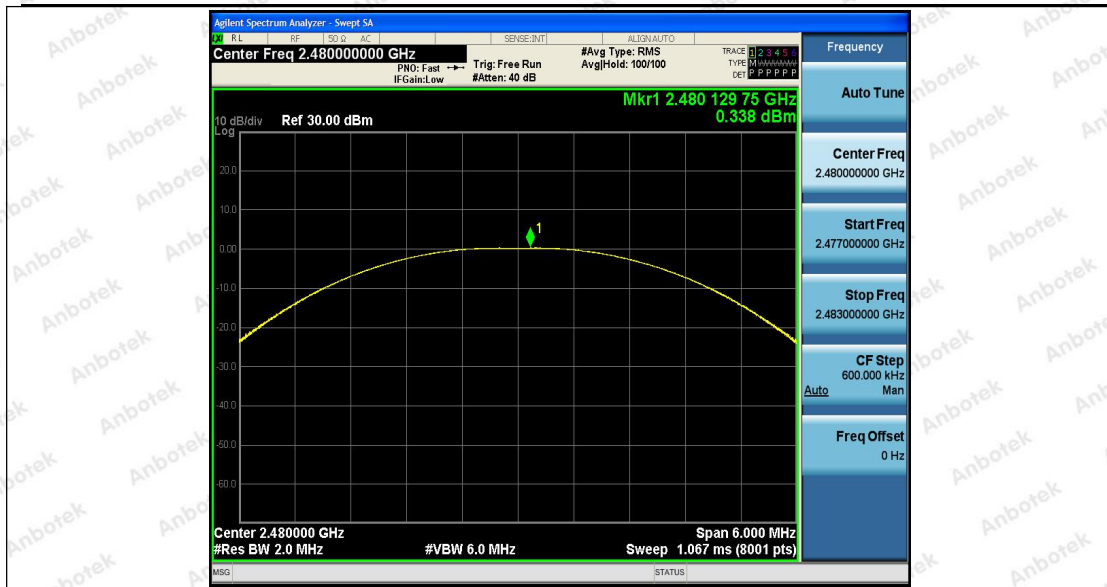


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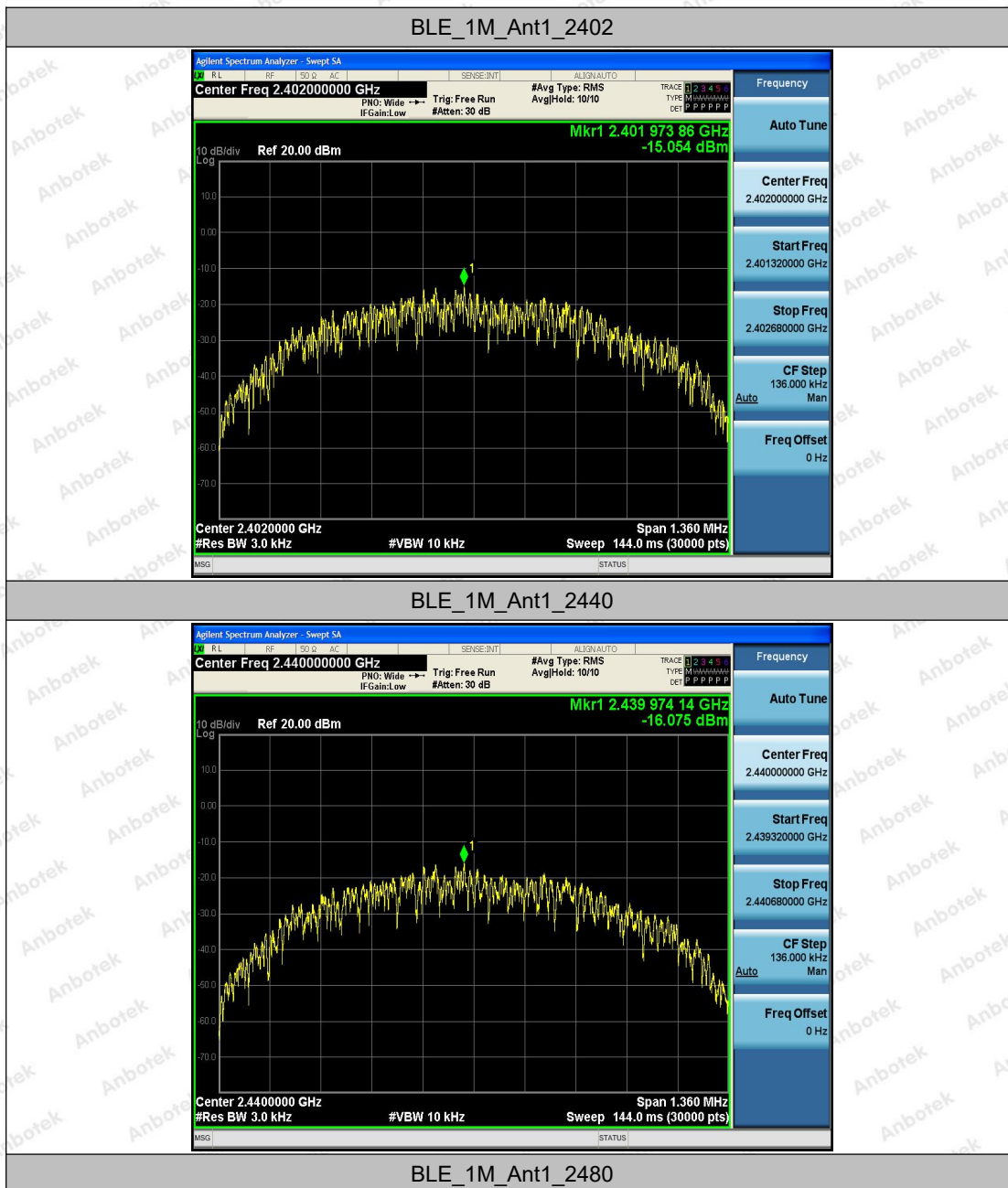
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.05	≤8	PASS
		2440	-16.08	≤8	PASS
		2480	-15.35	≤8	PASS

Test Graphs

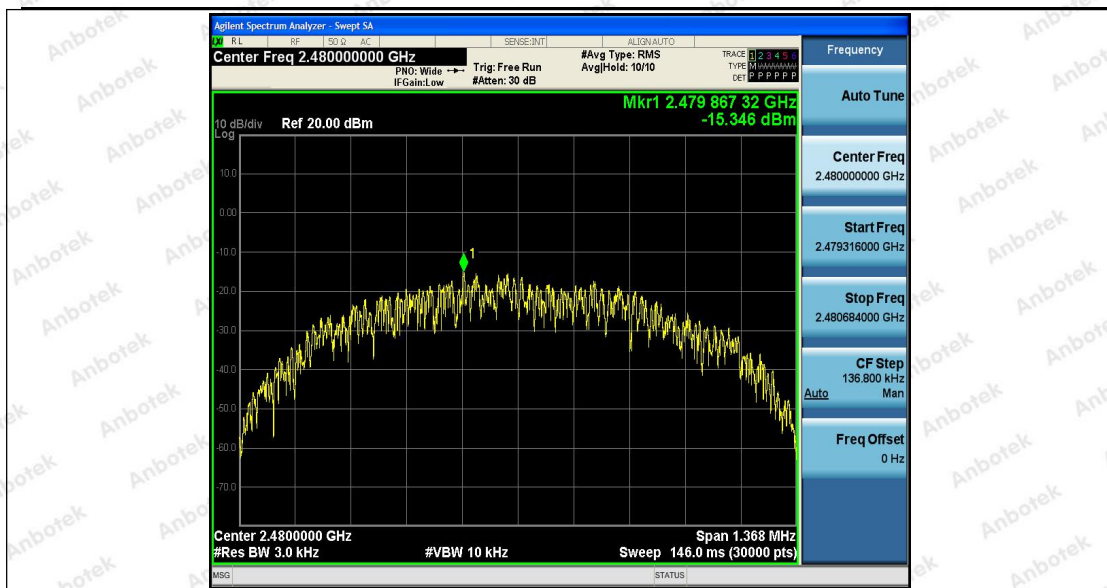


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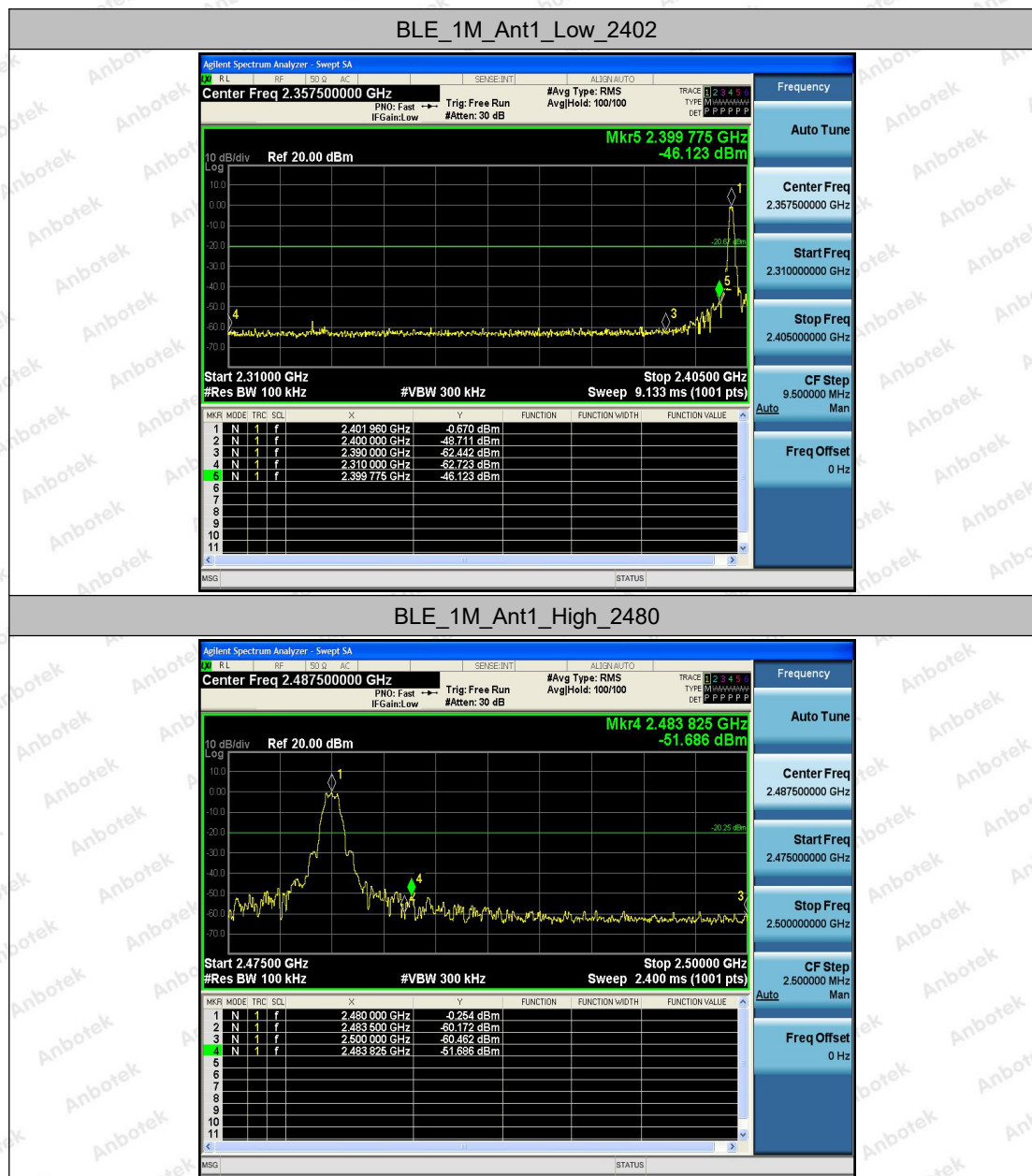
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.67	-46.12	≤-20.67	PASS
		High	2480	-0.25	-51.69	≤-20.25	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

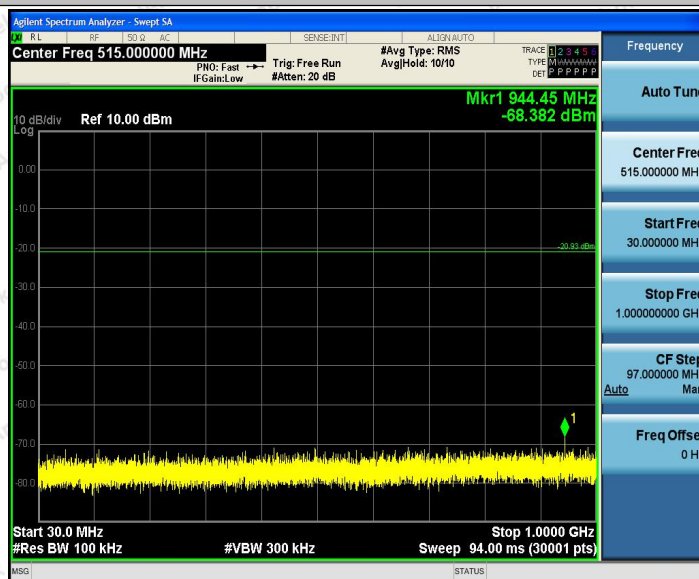
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-0.93	-0.93	---	PASS
			30~1000	-0.93	-68.38	≤-20.93	PASS
			1000~265 00	-0.93	-48.75	≤-20.93	PASS
		2440	Reference	-1.87	-1.87	---	PASS
			30~1000	-1.87	-66.92	≤-21.87	PASS
			1000~265 00	-1.87	-48.25	≤-21.87	PASS
		2480	Reference	-0.51	-0.51	---	PASS
			30~1000	-0.51	-69.31	≤-20.51	PASS
			1000~265 00	-0.51	-51.32	≤-20.51	PASS

Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



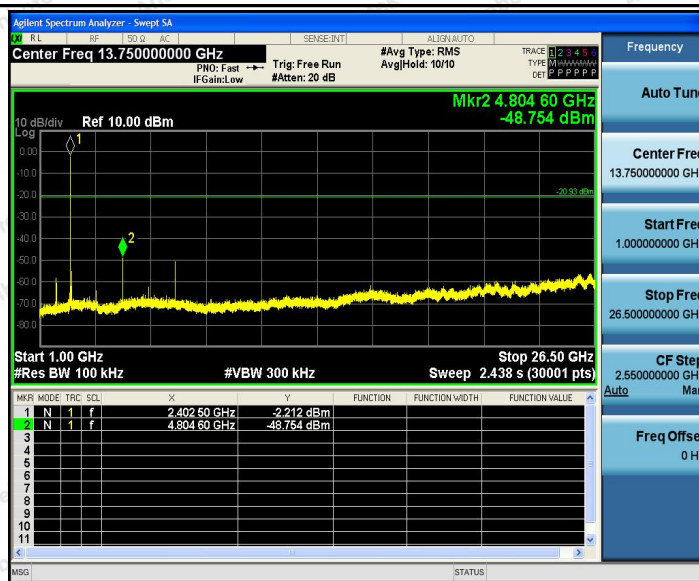
BLE_1M_Ant1_2402_1000~26500

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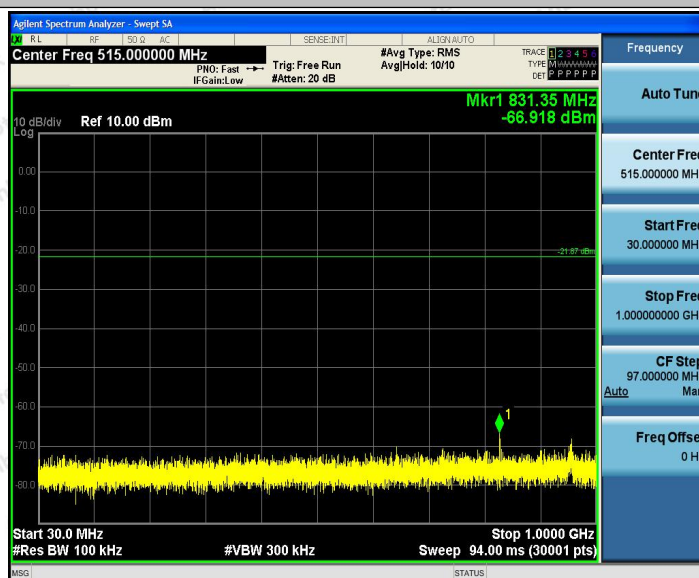
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



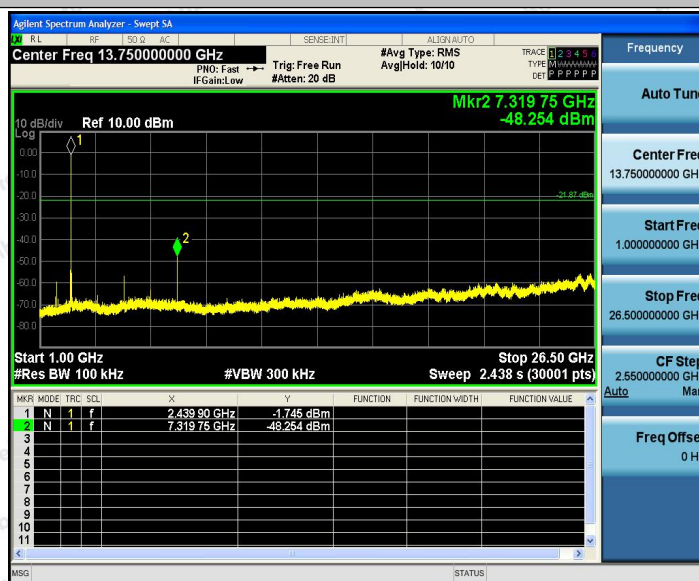
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



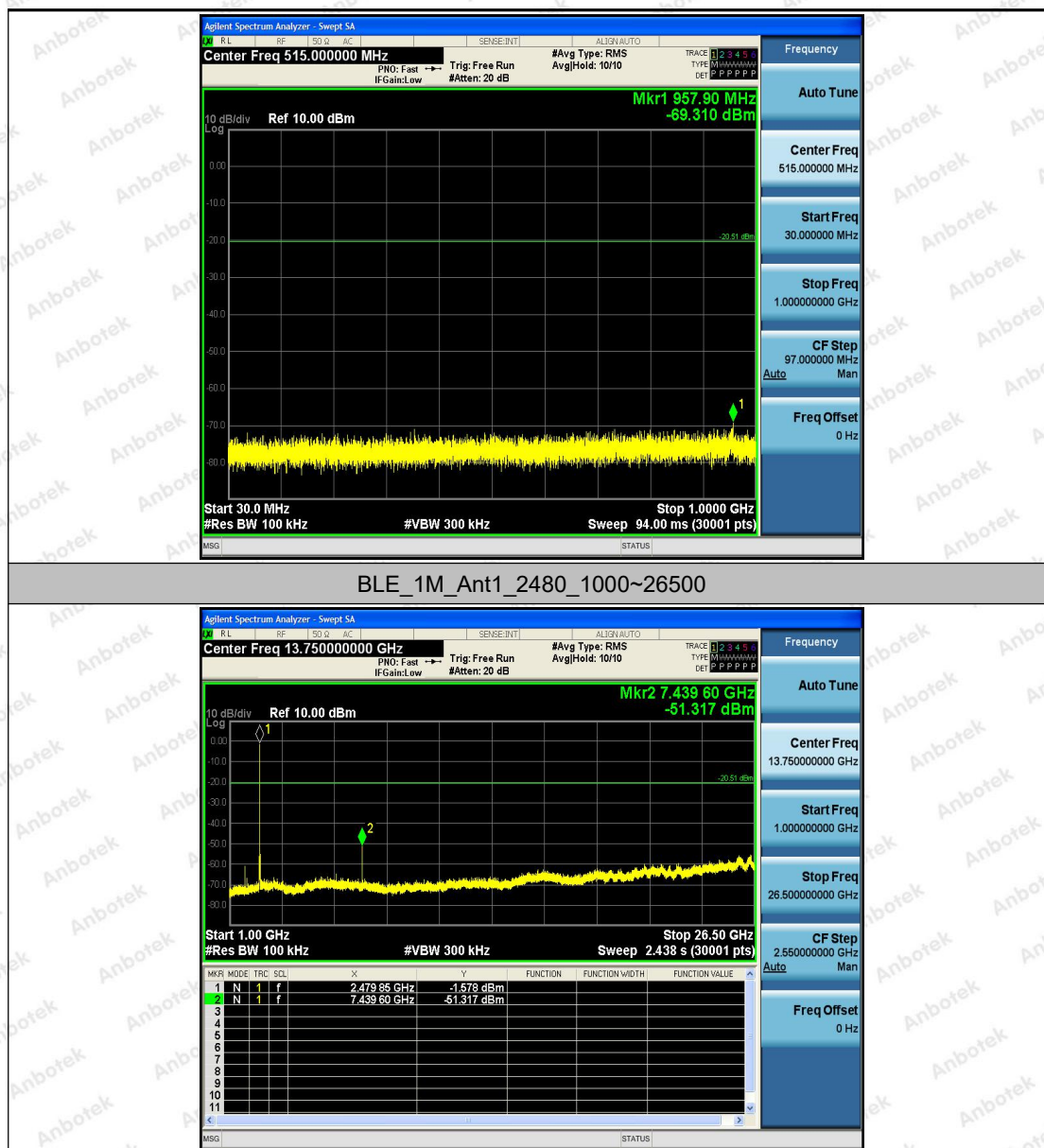
BLE_1M_Ant1_2480_30~1000

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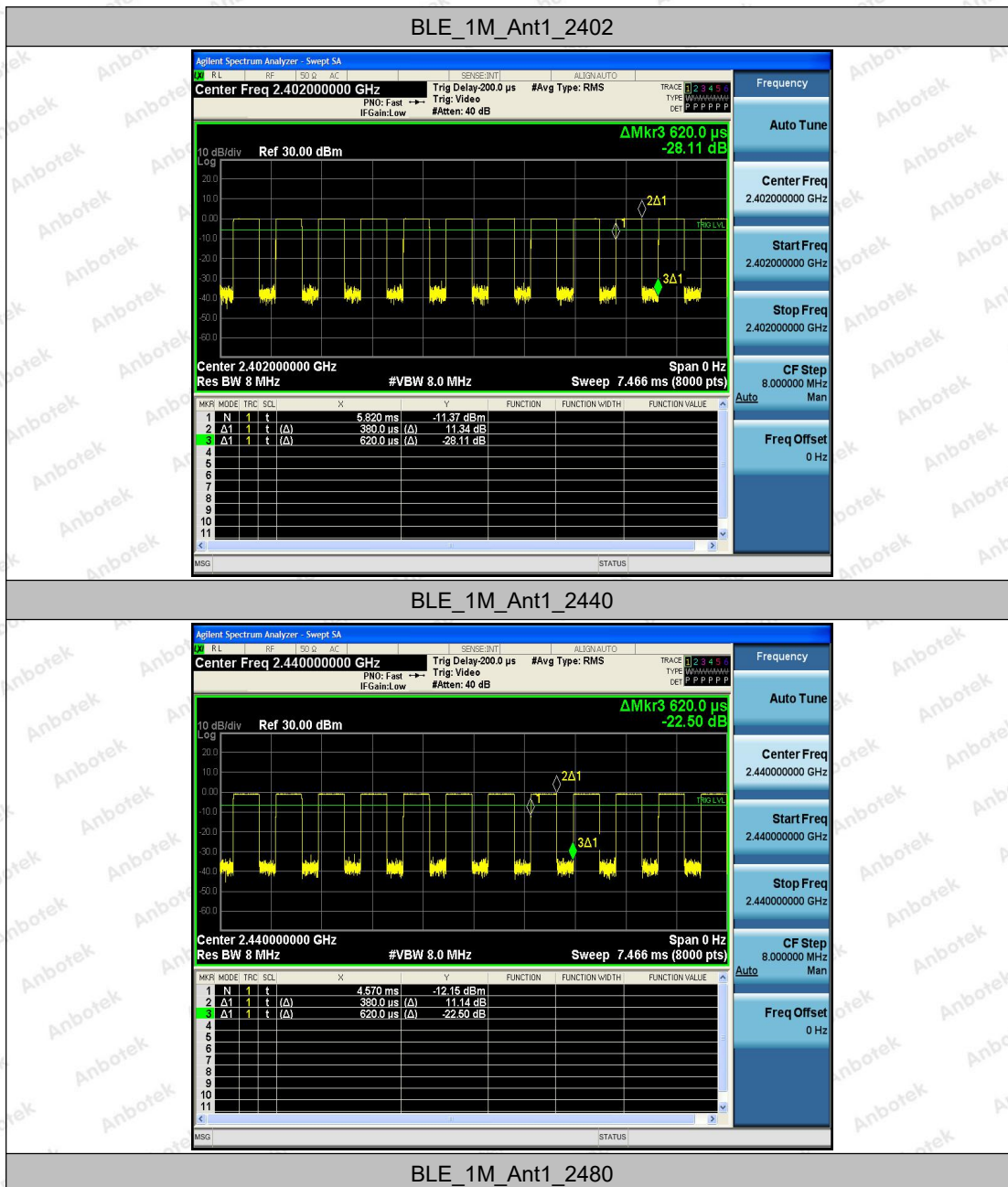
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Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	0.38	0.62	0.612 9	61.29	2.13	---	PASS
		2440	0.38	0.62	0.612 9	61.29	2.13	---	PASS
		2480	0.39	0.63	0.619 0	61.90	2.08	---	PASS

Test Graphs



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