

Appendix Test Data

Report No.:	18220WC20078202	Test Sample No.:	1-2-2
Start Test Date:	2022.4.15	Finish Test Date:	2022.4.20
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	Relative Humidity:	57.2 %
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.696	2401.652	2402.348	≥0.5	PASS
		2440	0.708	2439.656	2440.364	≥0.5	PASS
		2480	0.708	2479.648	2480.356	≥0.5	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

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Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0655	2401.477	2402.543	---	PASS
		2440	1.0607	2439.488	2440.548	---	PASS
		2480	1.0647	2479.487	2480.551	---	PASS

Test Graphs



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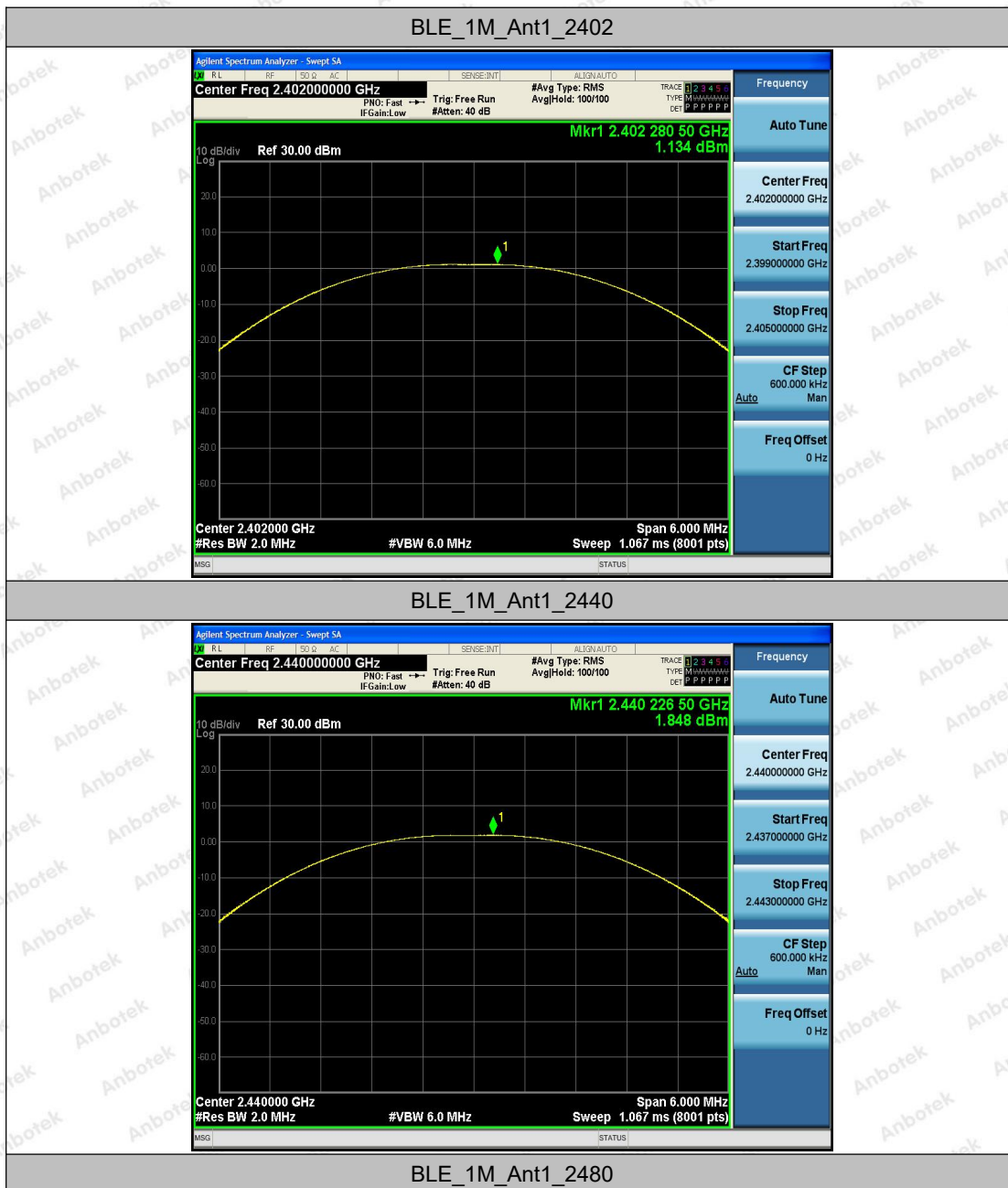
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Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.13	≤30	PASS
		2440	1.85	≤30	PASS
		2480	3.38	≤30	PASS

Test Graphs

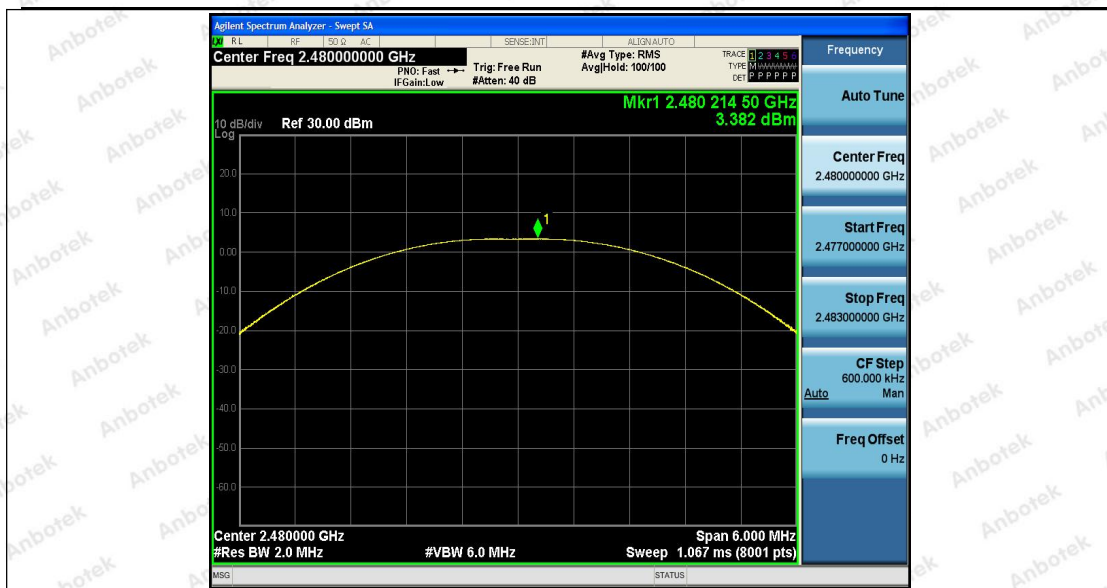


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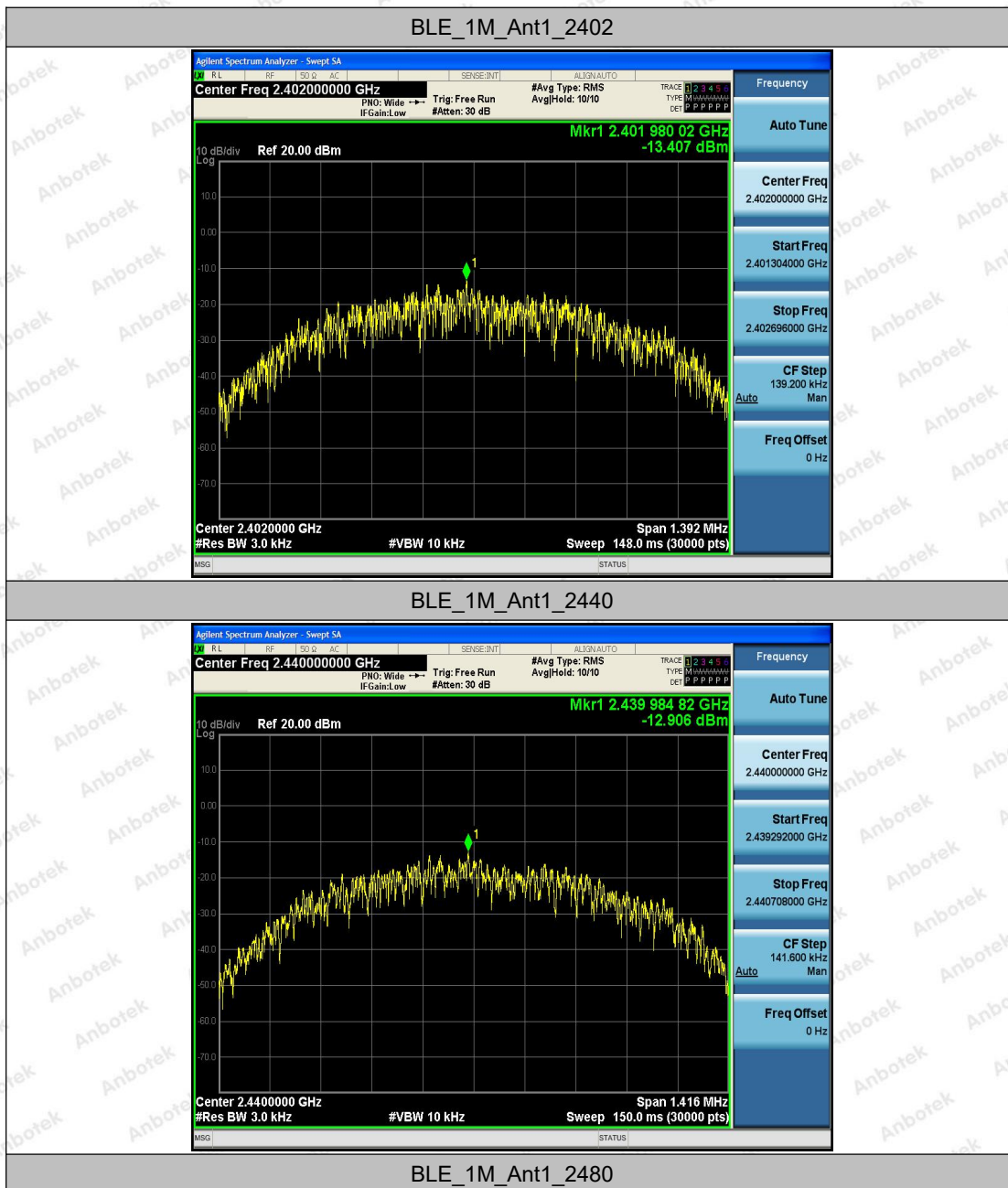
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Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.41	≤8	PASS
		2440	-12.91	≤8	PASS
		2480	-11.02	≤8	PASS

Test Graphs

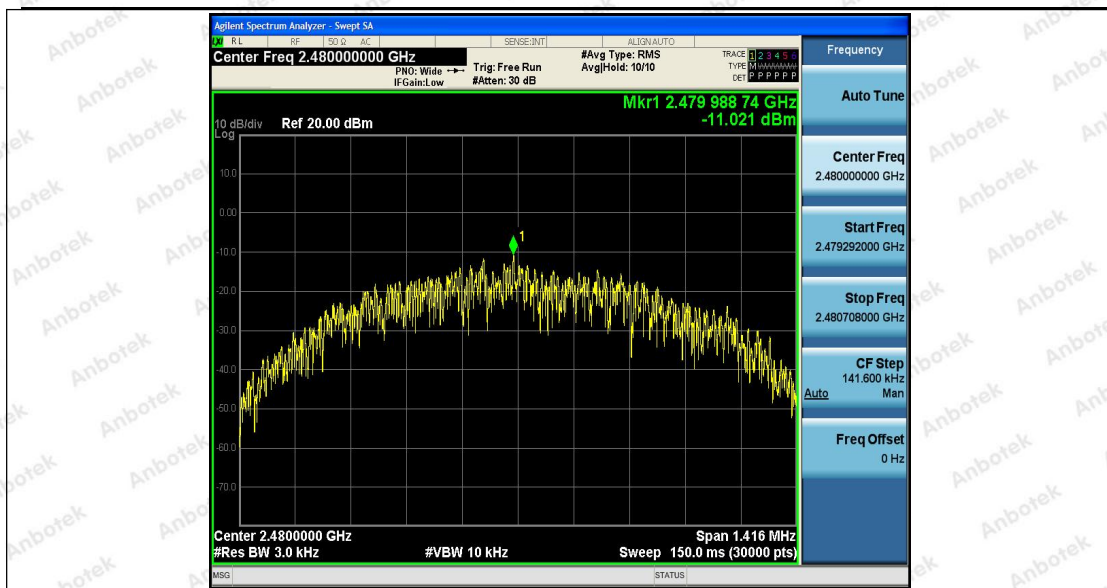


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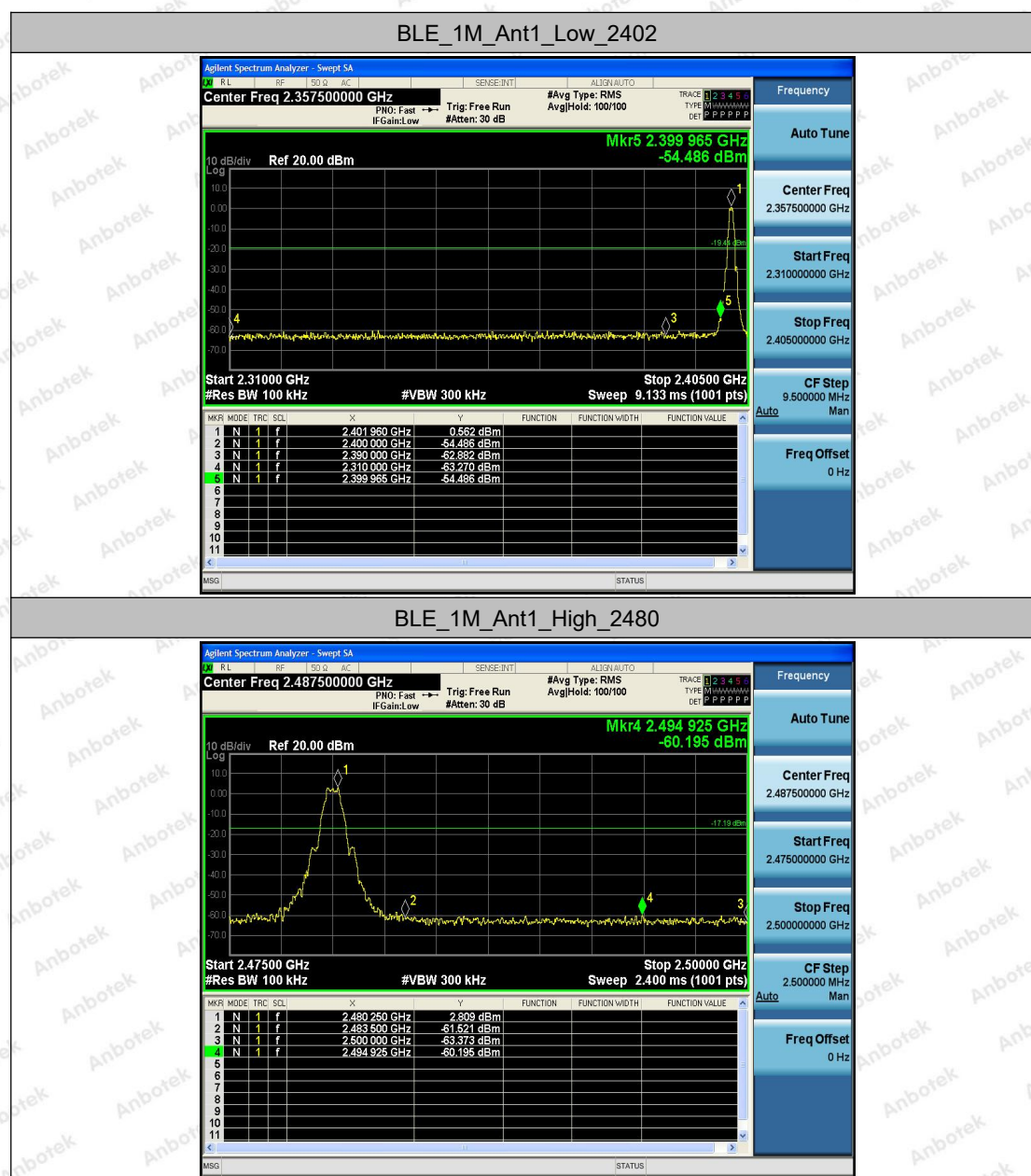
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch Name	Channel	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.56	-54.49	≤-19.44	PASS
		High	2480	2.81	-60.2	≤-17.19	PASS

Test Graphs



Appendix F: Conducted Spurious Emission

Test Result

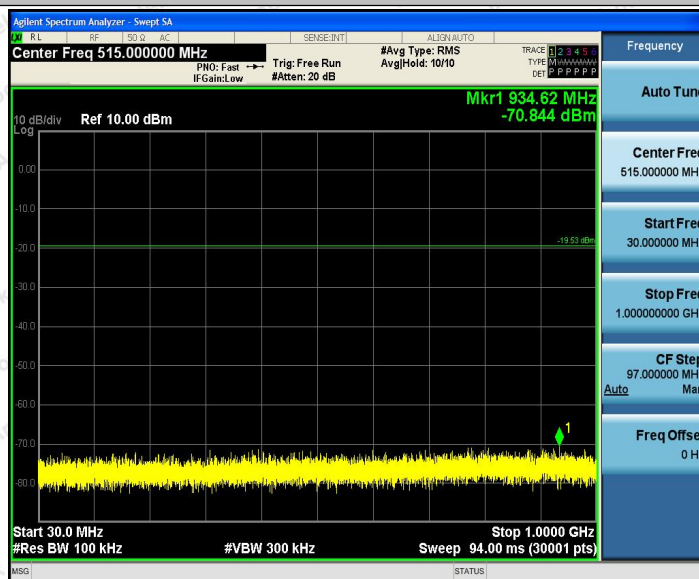
Test Mode	Antenna	Channel	Freq Range [MHz]	Ref Level [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	0.47	0.47	---	PASS
			30~1000	0.47	-70.84	≤-19.53	PASS
			1000~26500	0.47	-56.02	≤-19.53	PASS
		2440	Reference	0.86	0.86	---	PASS
			30~1000	0.86	-70.69	≤-19.14	PASS
			1000~26500	0.86	-54.74	≤-19.14	PASS
		2480	Reference	2.80	2.80	---	PASS
			30~1000	2.80	-70.23	≤-17.2	PASS
			1000~26500	2.80	-54.72	≤-17.2	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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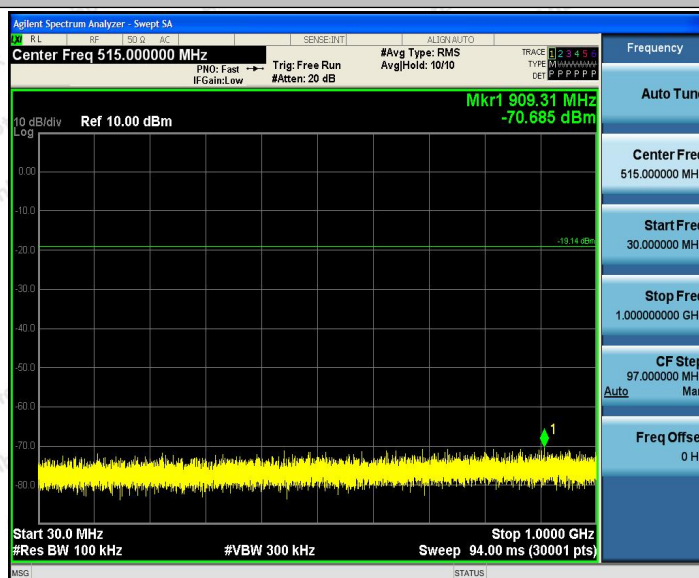
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



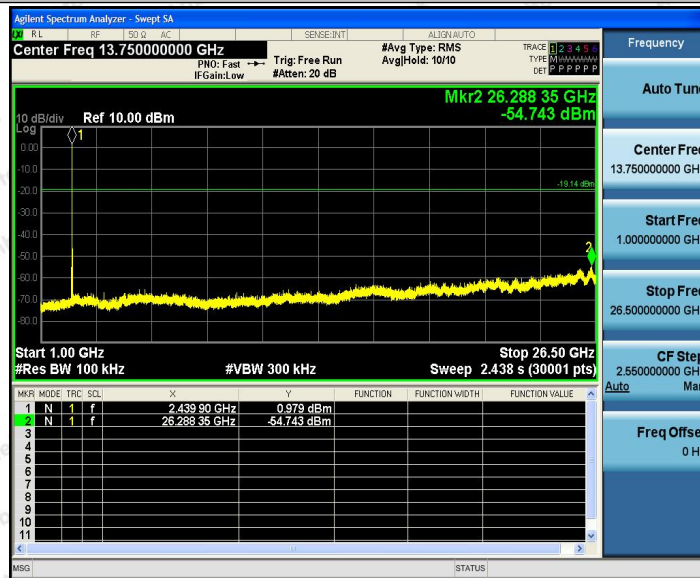
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



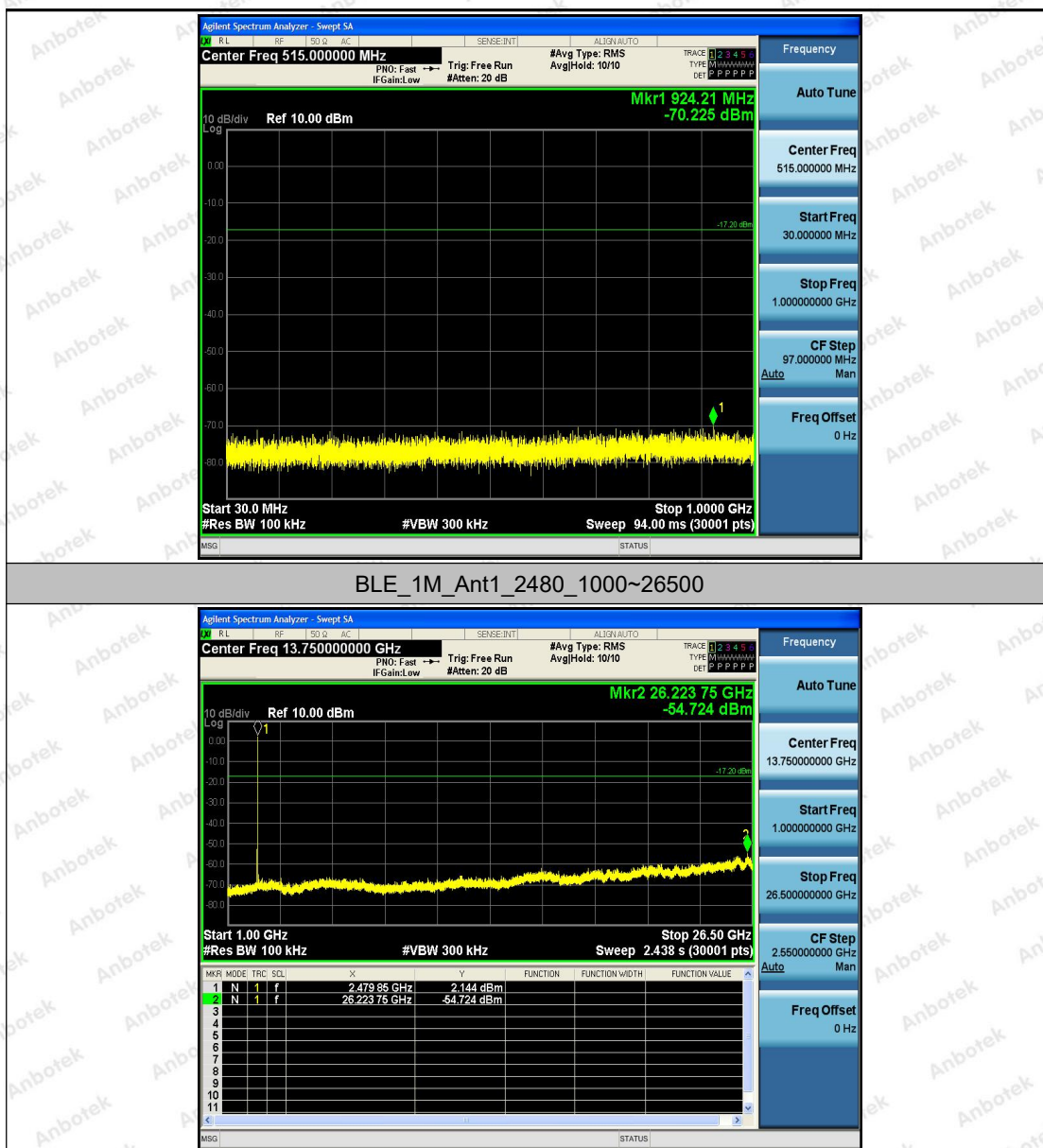
BLE_1M_Ant1_2480_30~1000

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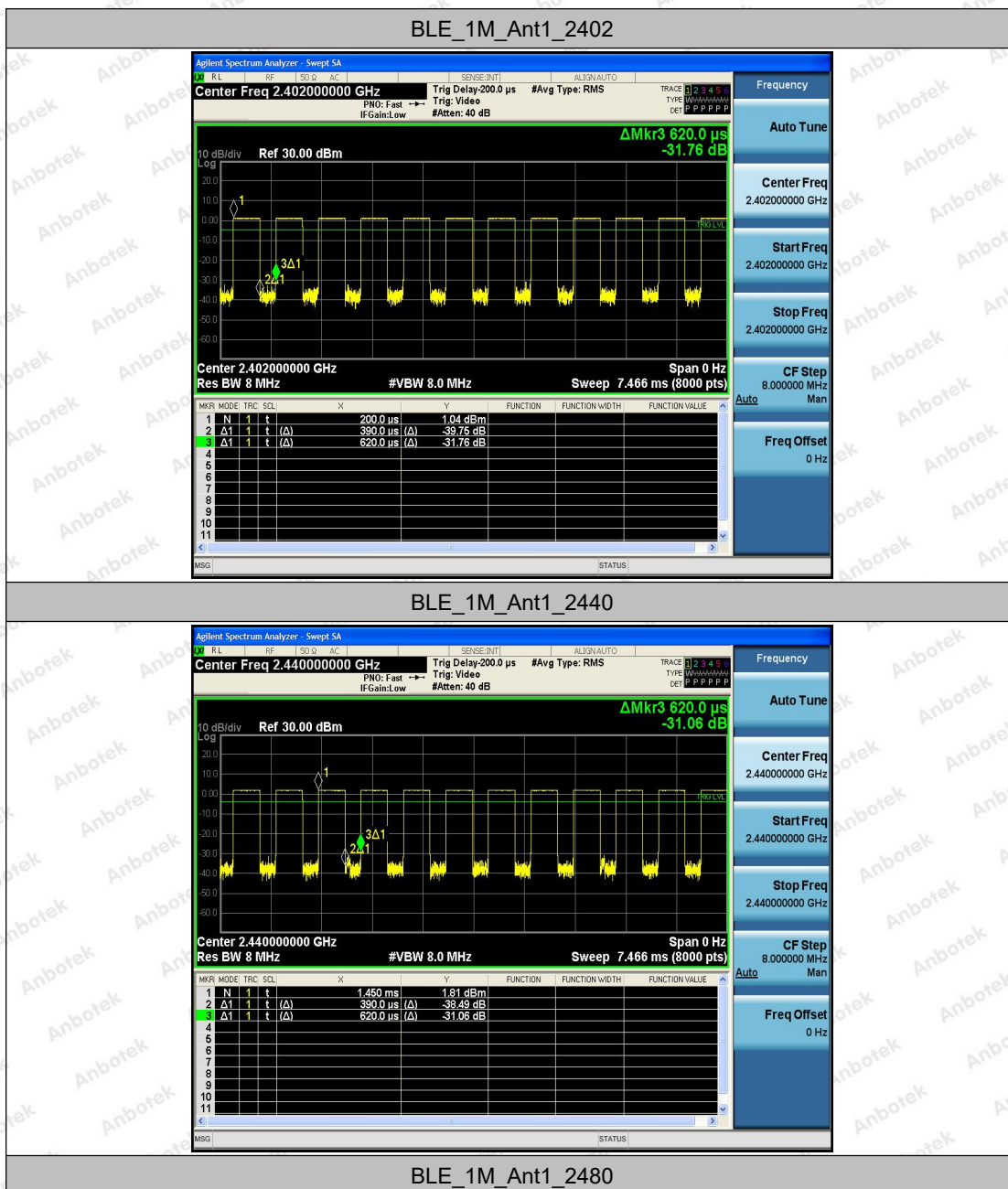
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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	X Factor	Limit	Verdict
BLE_1M	Ant1	2402	0.39	0.62	0.6290	62.90	2.01	---	PASS
		2440	0.39	0.62	0.6290	62.90	2.01	---	PASS
		2480	0.39	0.63	0.6190	61.90	2.08	---	PASS

Test Graphs

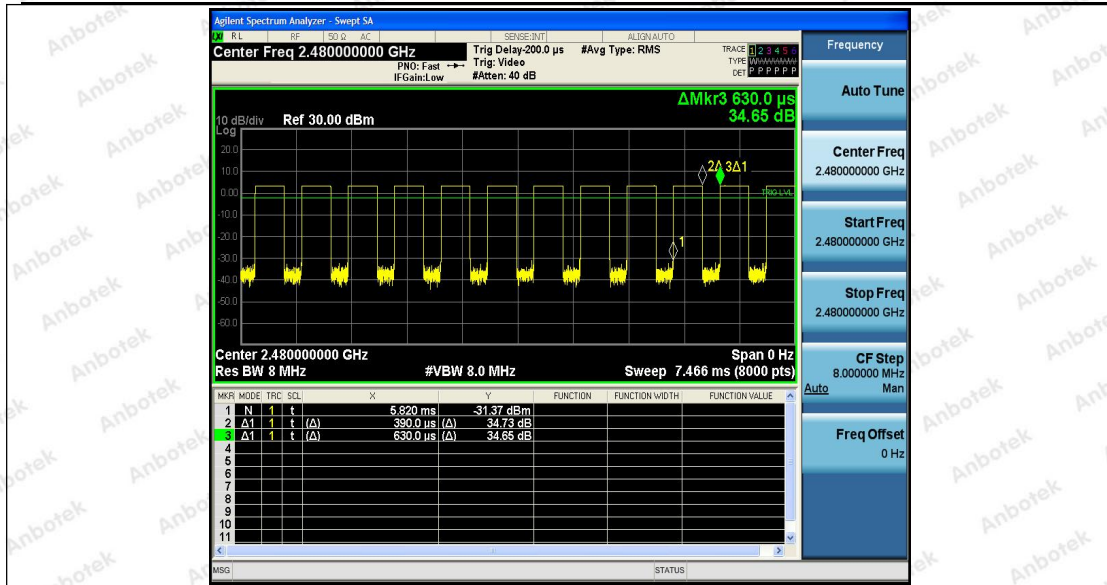


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