

Appendix Test Data

Report No.:	18220WC20012702	Test Sample No.:	1-2-2
Start Test Date:	2022.2.10	Finish Test Date:	2022.2.16
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	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	0.708	2401.648	2402.356	≥0.5	PASS
		2440	0.696	2439.644	2440.340	≥0.5	PASS
		2480	0.700	2479.652	2480.352	≥0.5	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

Shenzhen Anbotek Compliance Laboratory Limited

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

Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

Hotline
400-003-0500
www.anbotek.com



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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	1.0362	2401.493	2402.529	---	PASS
		2440	1.0373	2439.494	2440.531	---	PASS
		2480	1.0275	2479.498	2480.525	---	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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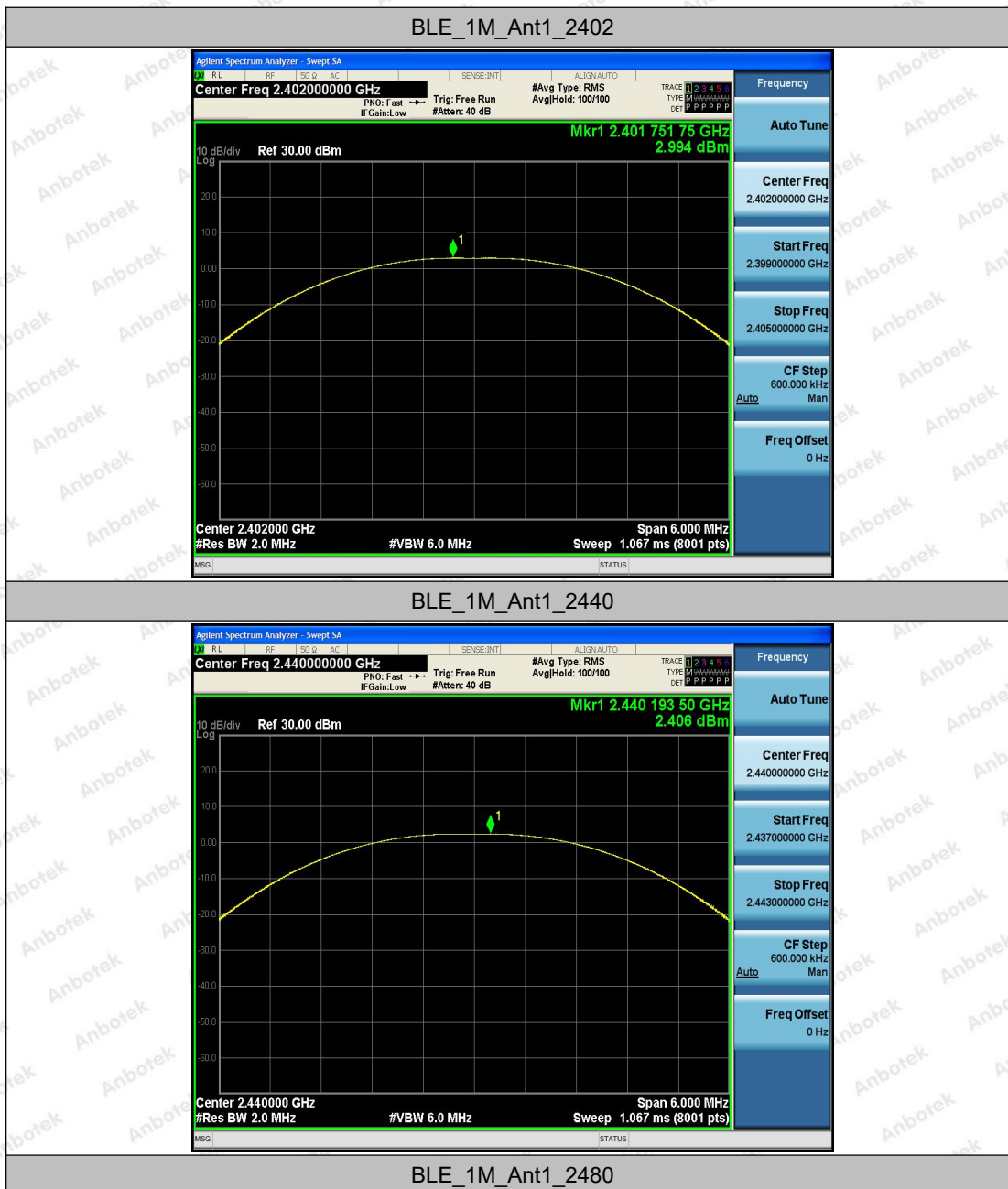
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.99	≤30	PASS
		2440	2.41	≤30	PASS
		2480	3.29	≤30	PASS

Test Graphs

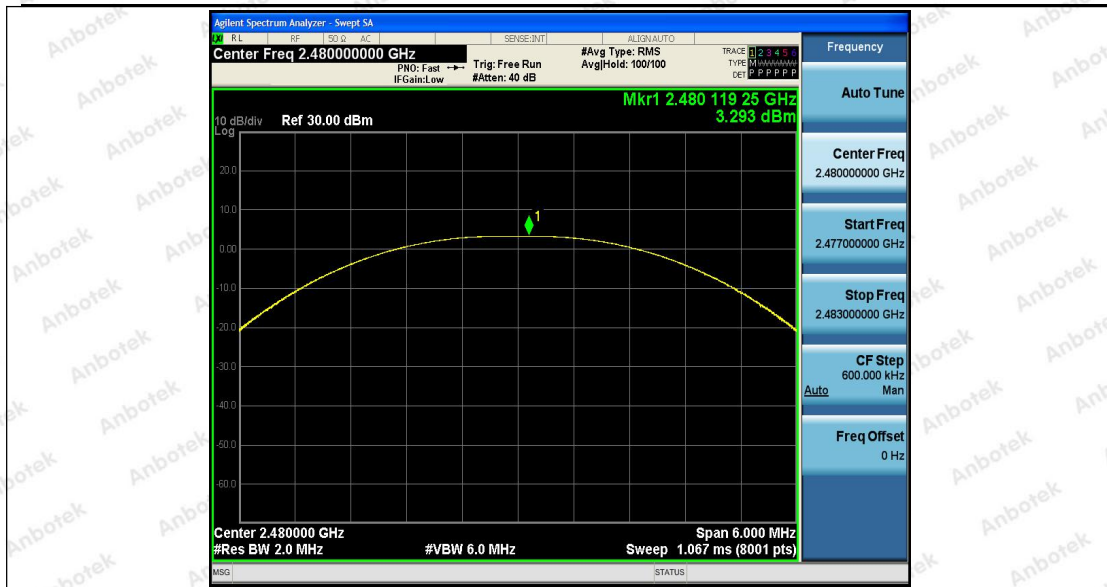


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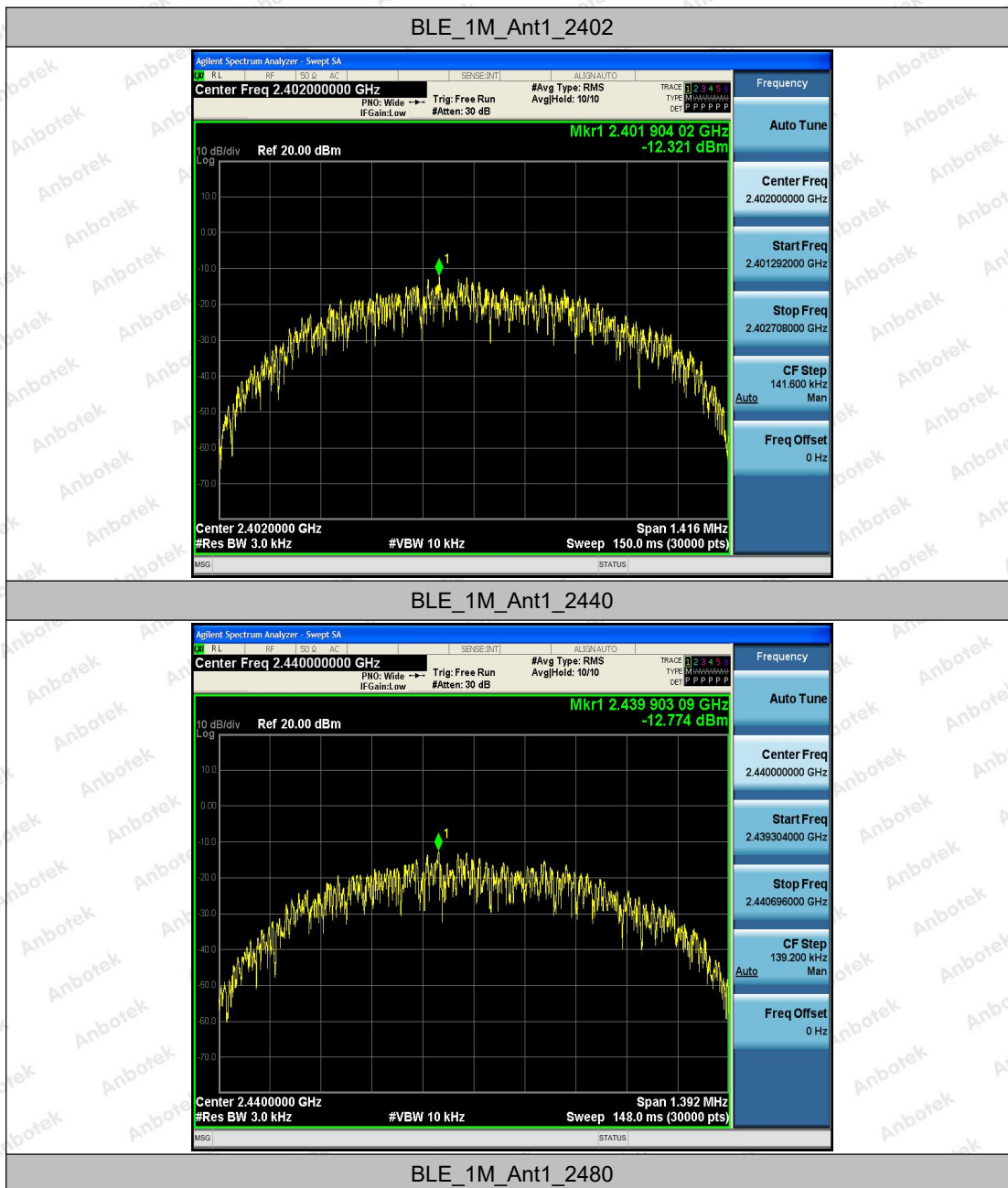
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.32	≤8	PASS
		2440	-12.77	≤8	PASS
		2480	-11.85	≤8	PASS

Test Graphs

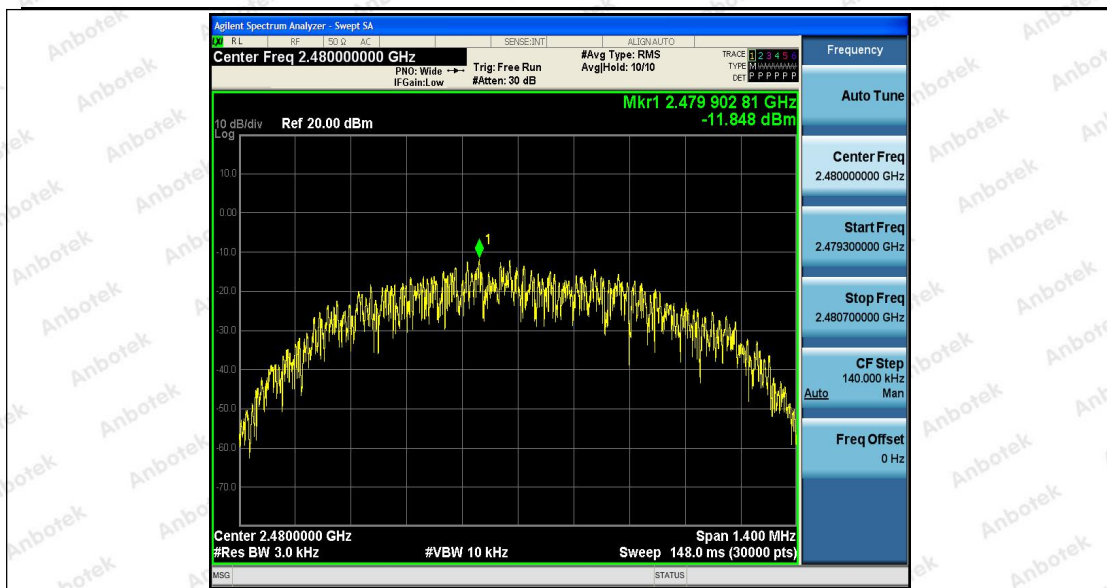


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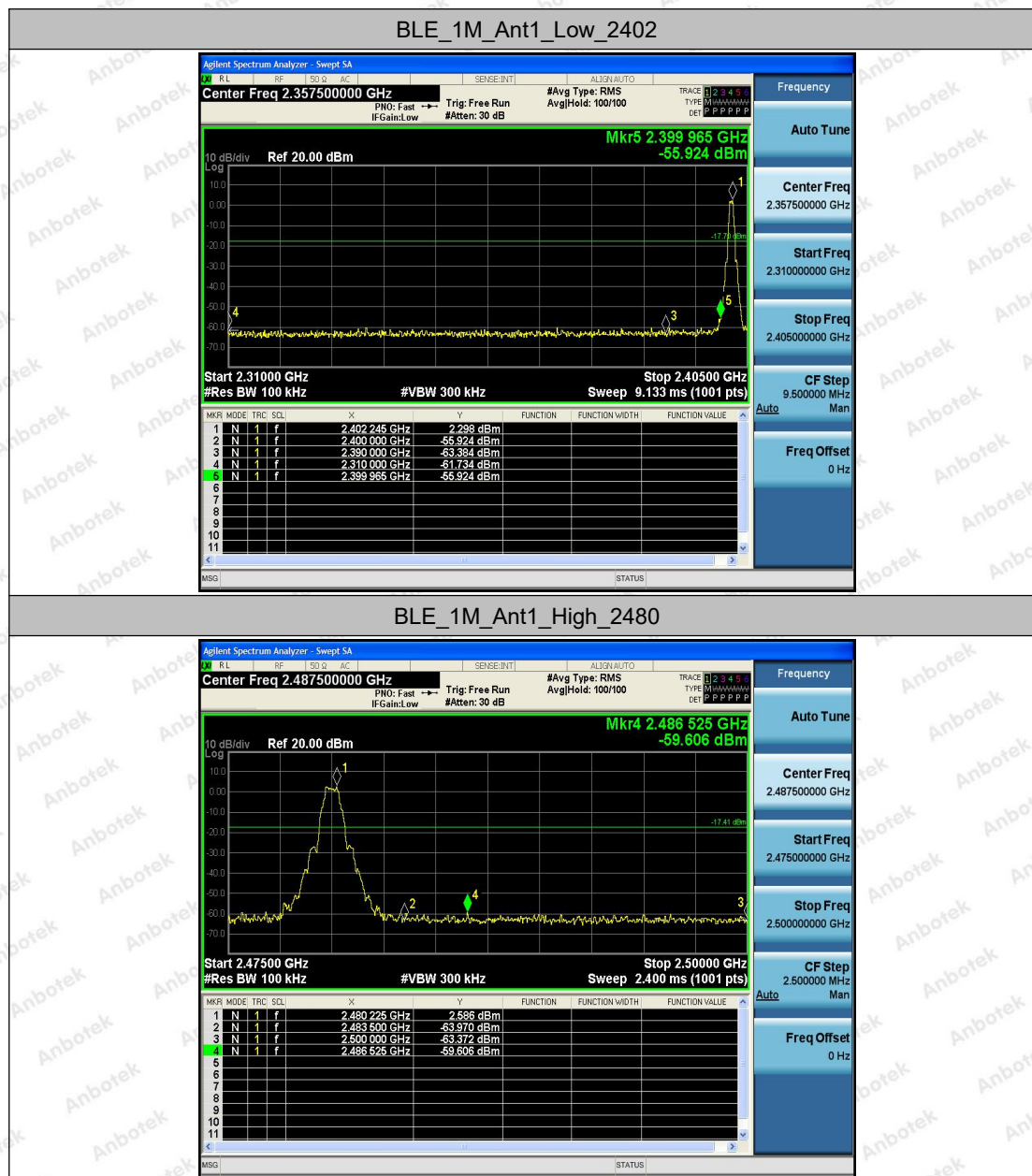
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	2.30	-55.92	≤ -17.7	PASS
		High	2480	2.59	-59.61	≤ -17.41	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

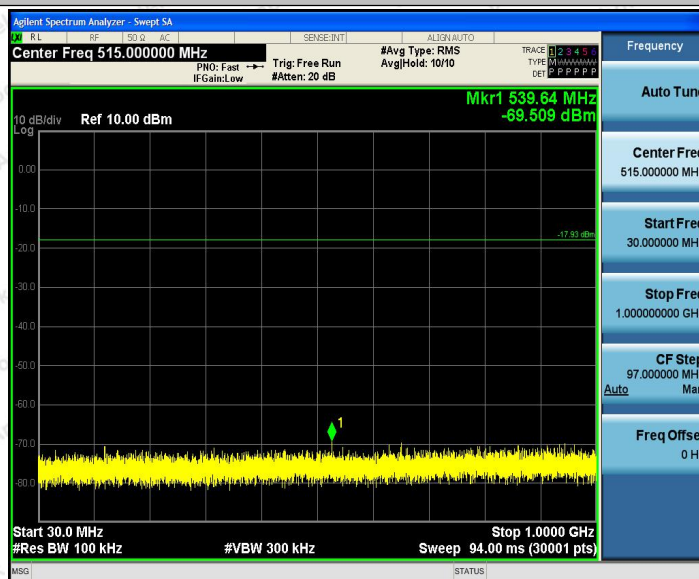
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	2.07	2.07	---	PASS
			30~1000	2.07	-69.51	≤-17.93	PASS
			1000~265 00	2.07	-55.18	≤-17.93	PASS
		2440	Reference	1.51	1.51	---	PASS
			30~1000	1.51	-69.75	≤-18.49	PASS
			1000~265 00	1.51	-56.22	≤-18.49	PASS
		2480	Reference	2.29	2.29	---	PASS
			30~1000	2.29	-70.45	≤-17.71	PASS
			1000~265 00	2.29	-55.99	≤-17.71	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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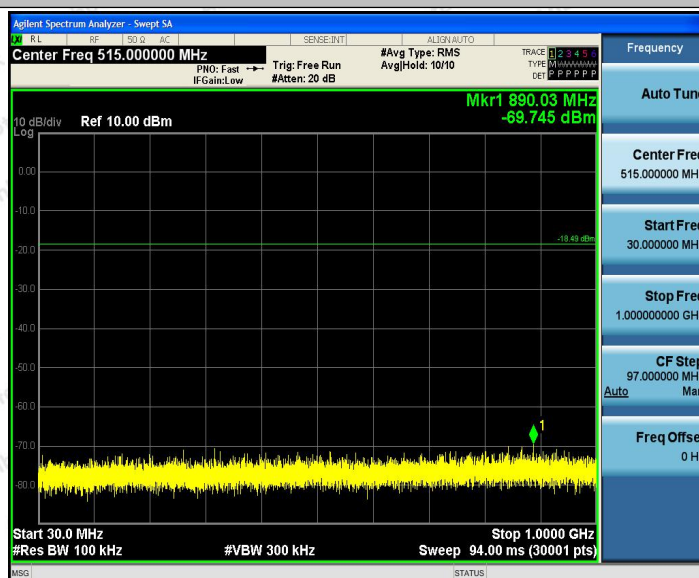
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



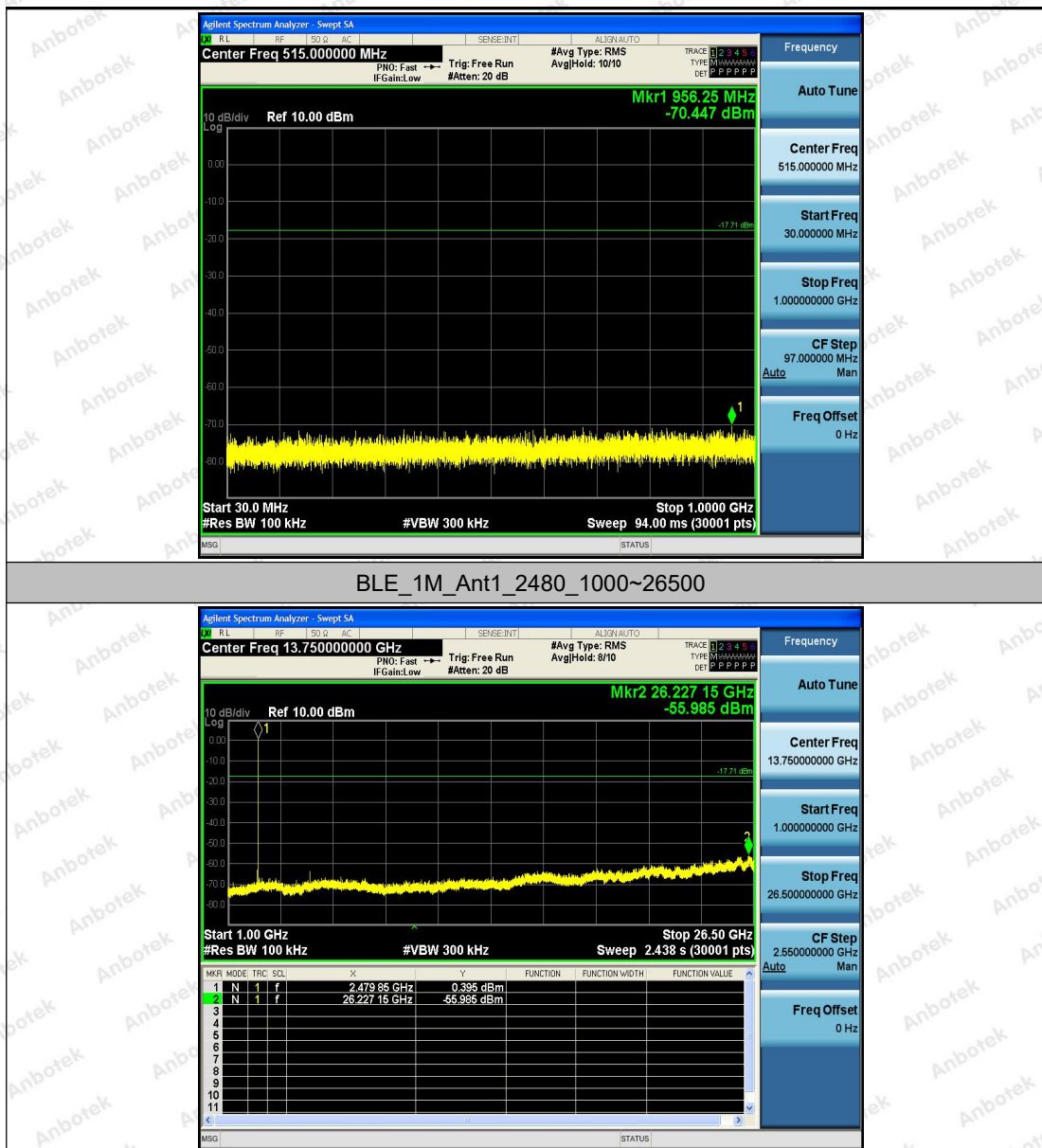
BLE_1M_Ant1_2480_30~1000

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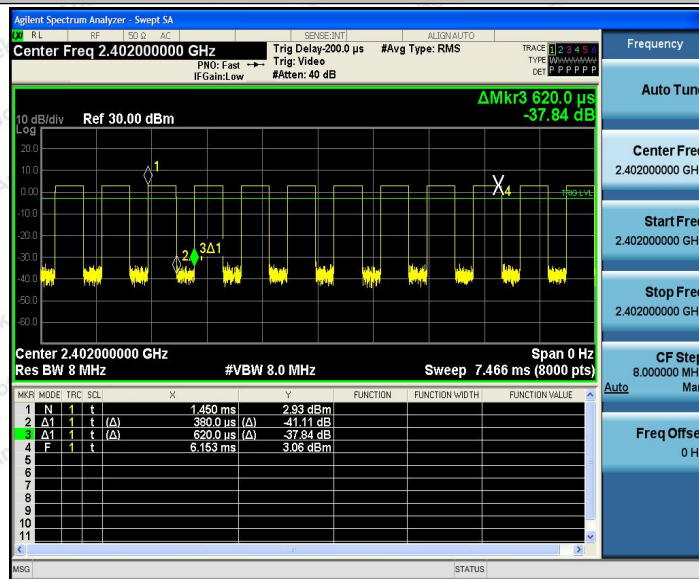
Appendix G: Duty Cycle

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	0.38	0.63	0.603 2	60.32	2.20	---	PASS

Test Graphs

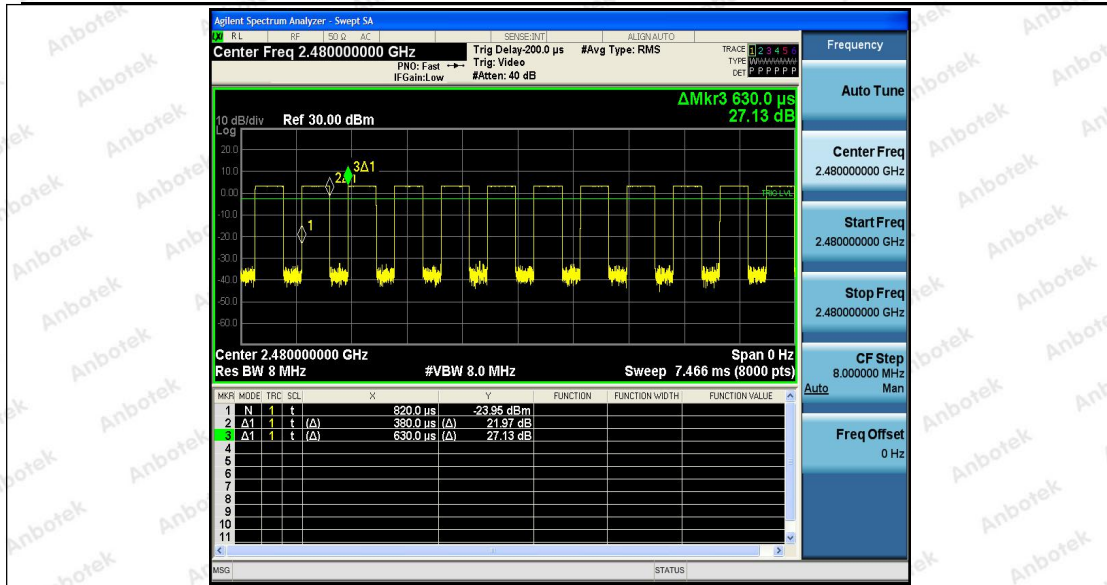
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



---End---