

Appendix Test Data

Project No.:	18220WC10193102	Test Date:	2021.9.2
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3C°	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	0.744	2401.652	2402.396	≥0.5	PASS
		2440	0.668	2439.692	2440.360	≥0.5	PASS
		2480	0.676	2479.684	2480.360	≥0.5	PASS

Test Graphs



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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
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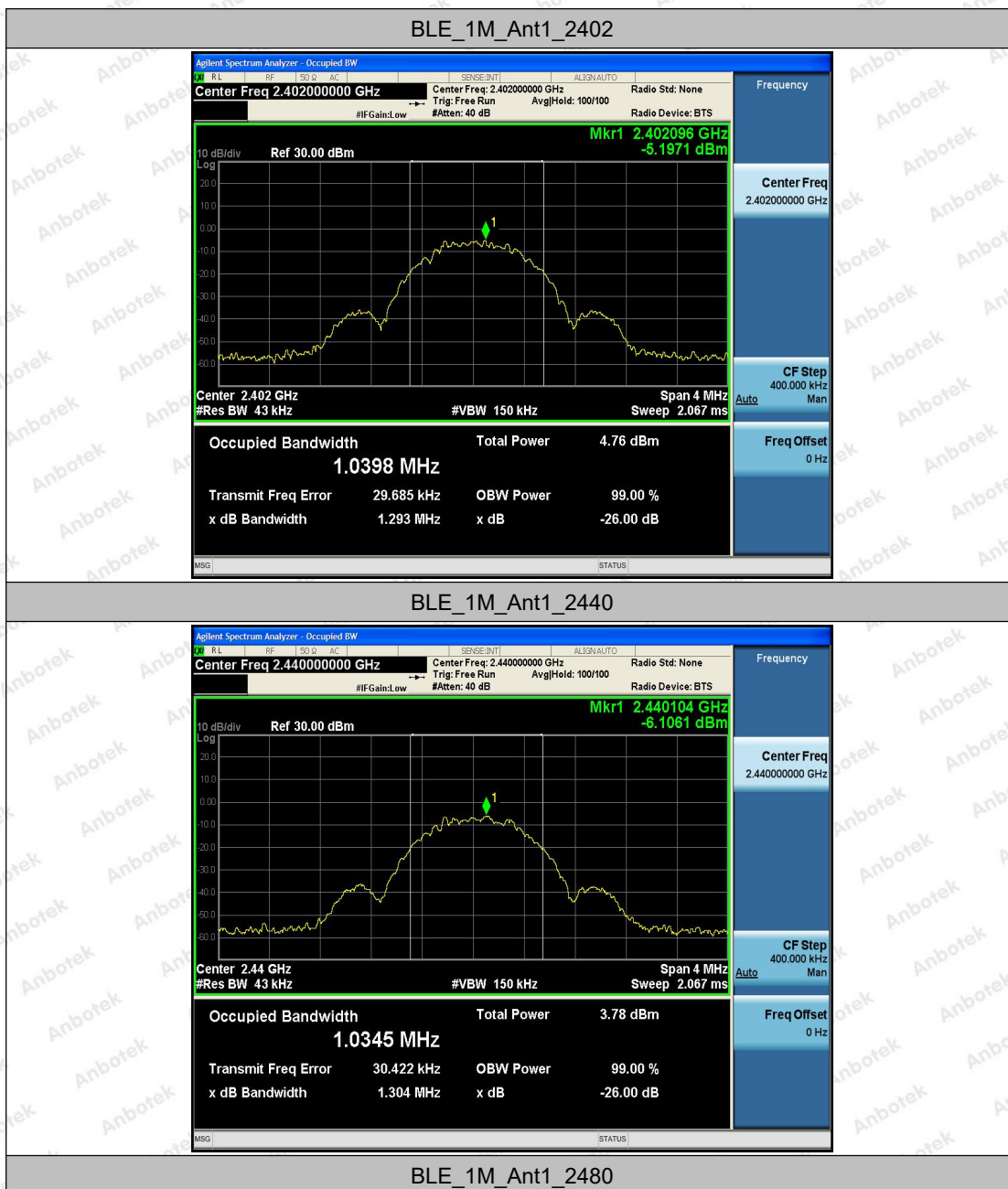
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0398	2401.510	2402.550	---	PASS
		2440	1.0345	2439.513	2440.548	---	PASS
		2480	1.0342	2479.513	2480.548	---	PASS

Test Graphs

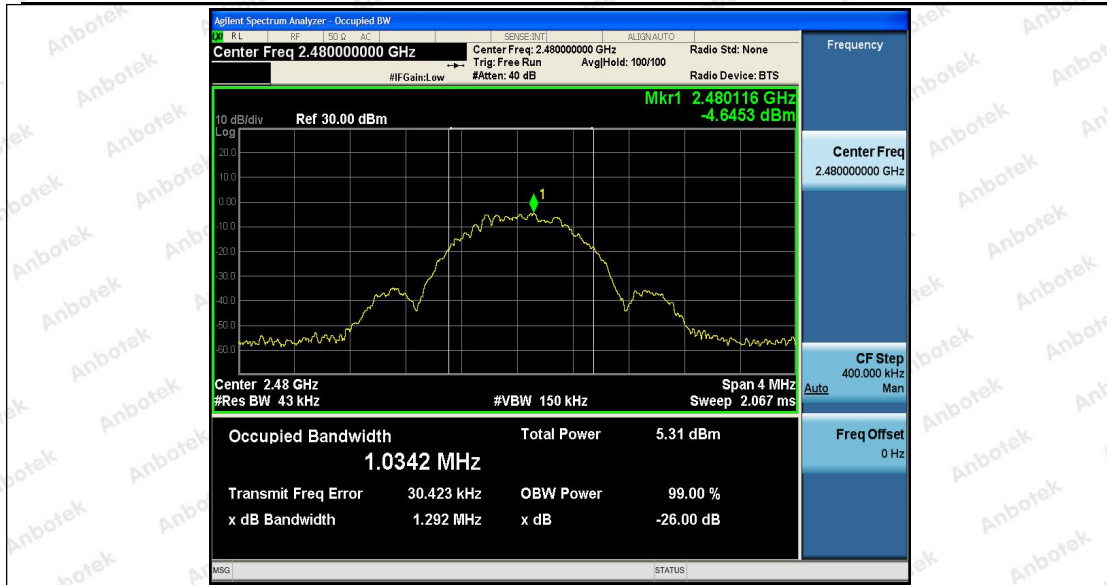


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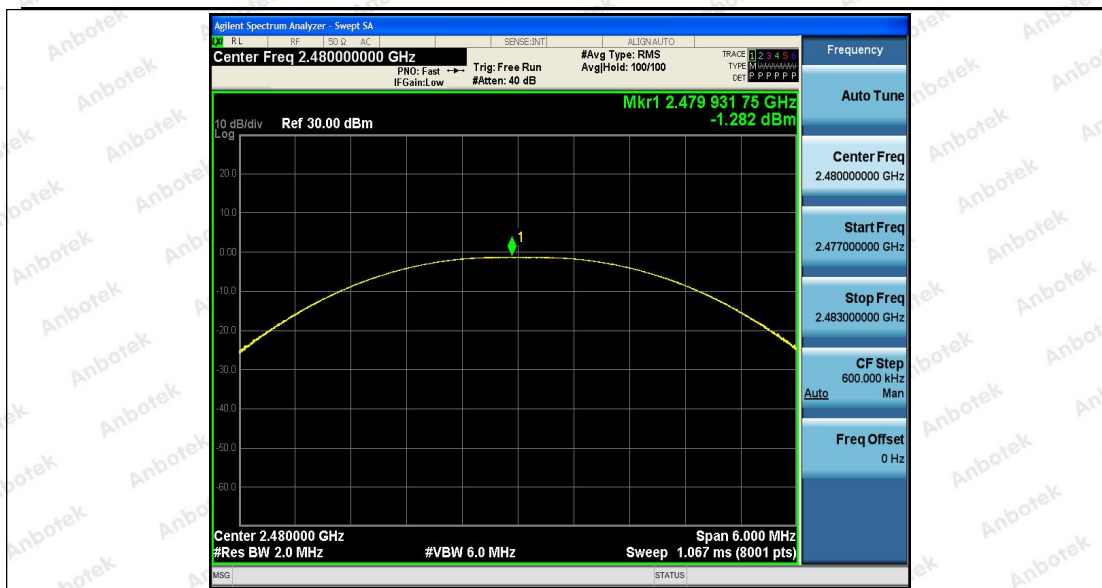
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-1.74	≤30	PASS
		2440	-2.82	≤30	PASS
		2480	-1.28	≤30	PASS



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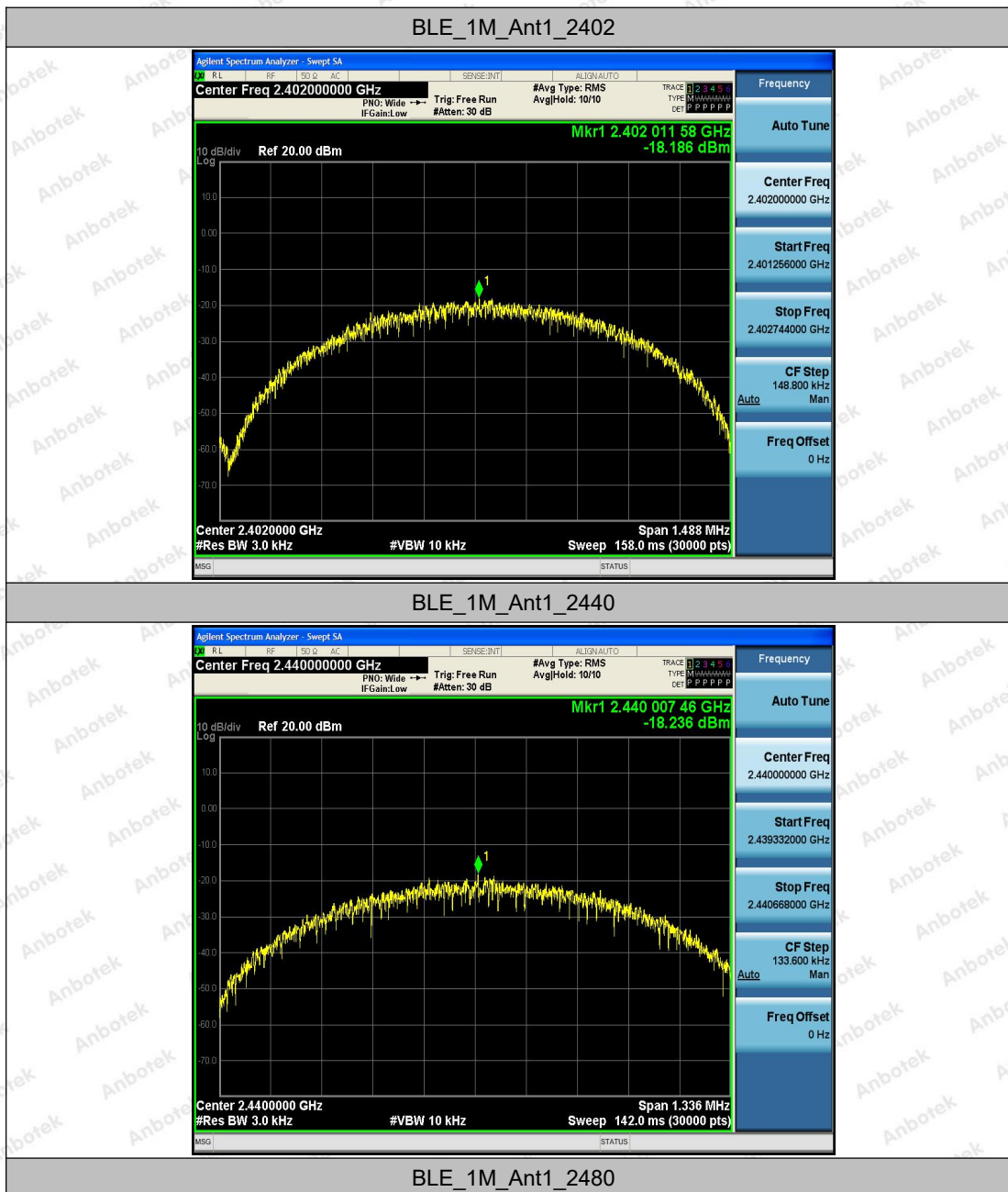
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-18.19	≤8	PASS
		2440	-18.24	≤8	PASS
		2480	-15.96	≤8	PASS

Test Graphs

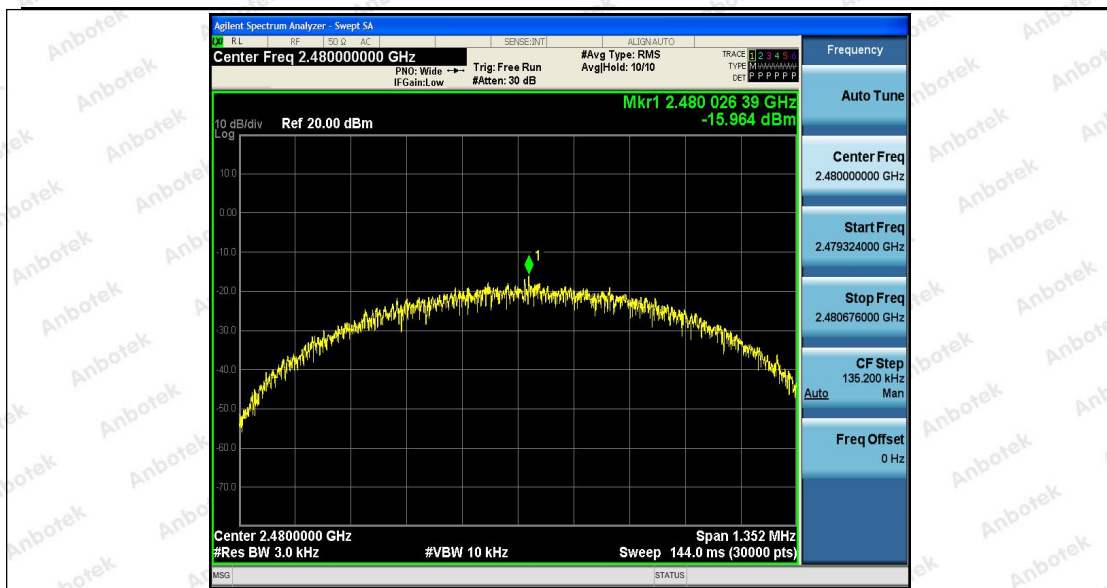


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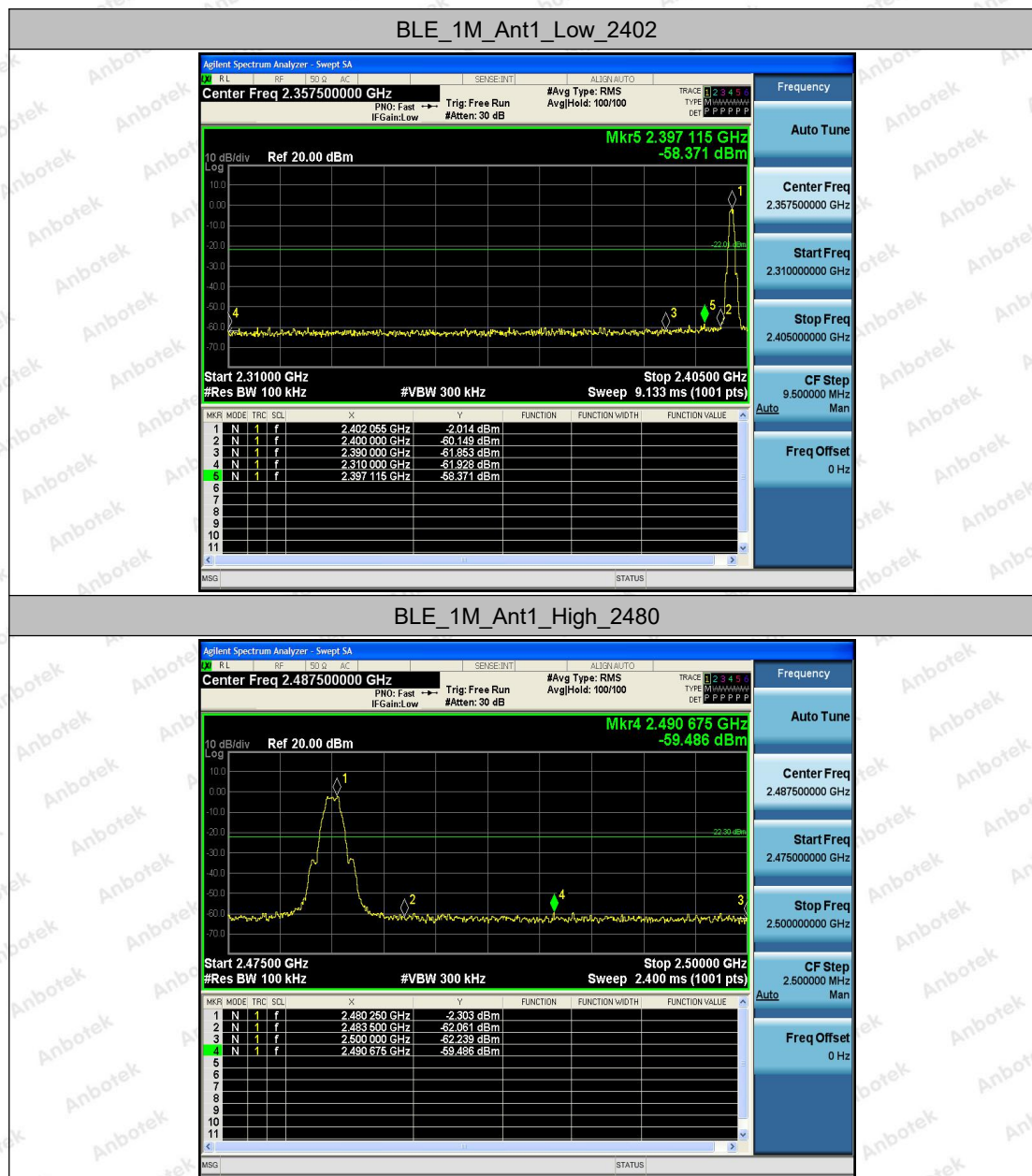
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-2.01	-58.37	≤ -22.01	PASS
		High	2480	-2.30	-59.49	≤ -22.3	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

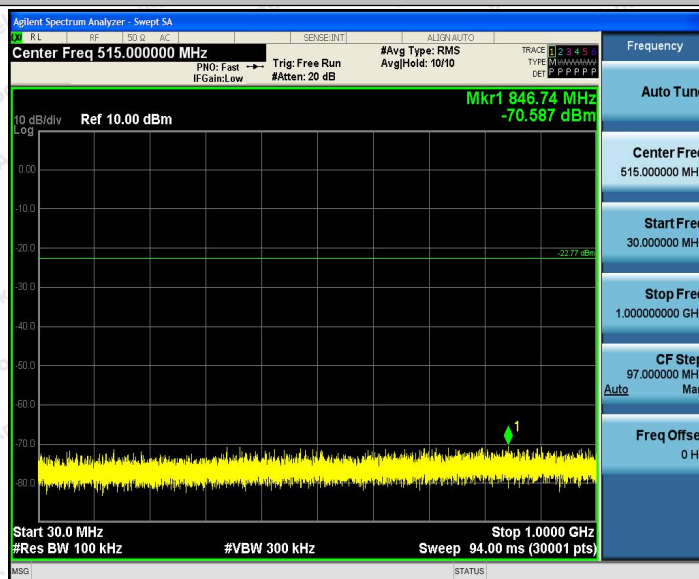
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-2.77	-2.77	---	PASS
			30~1000	-2.77	-70.59	≤-22.77	PASS
			1000~265 00	-2.77	-54.49	≤-22.77	PASS
		2440	Reference	-3.39	-3.39	---	PASS
			30~1000	-3.39	-69.56	≤-23.39	PASS
			1000~265 00	-3.39	-54.12	≤-23.39	PASS
		2480	Reference	-1.68	-1.68	---	PASS
			30~1000	-1.68	-69.53	≤-21.68	PASS
			1000~265 00	-1.68	-55.14	≤-21.68	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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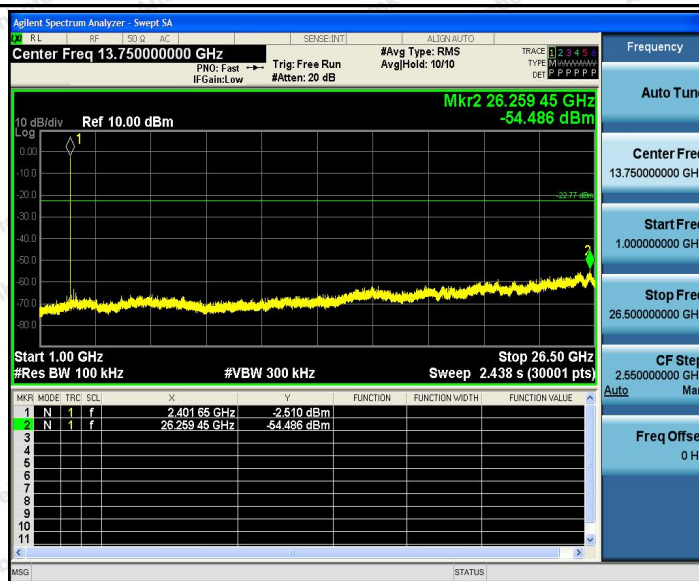
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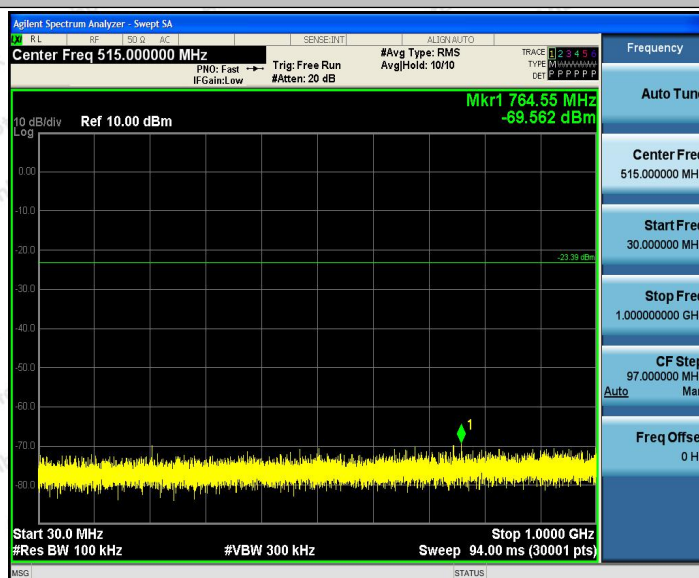
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



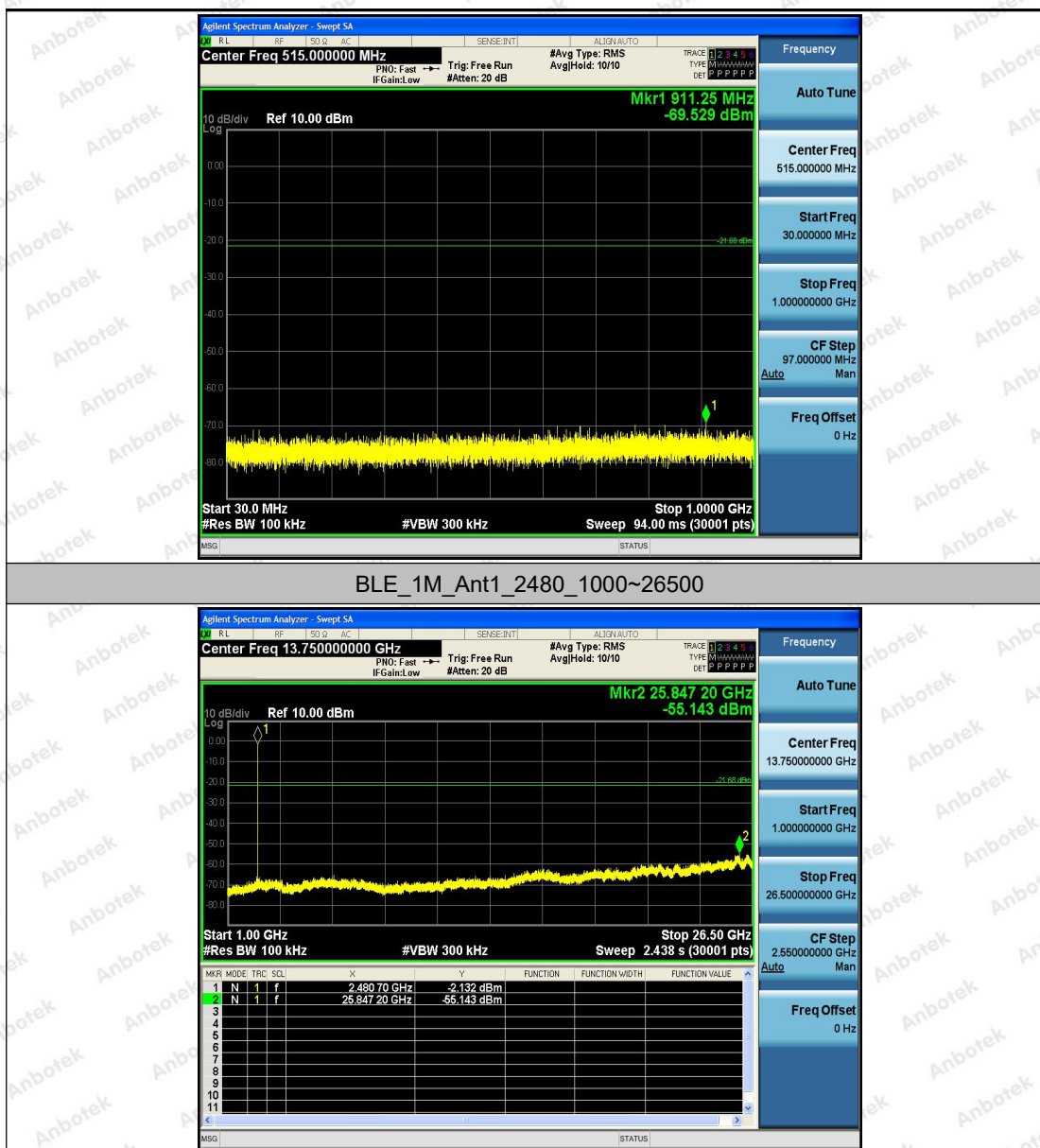
BLE_1M_Ant1_2480_30~1000

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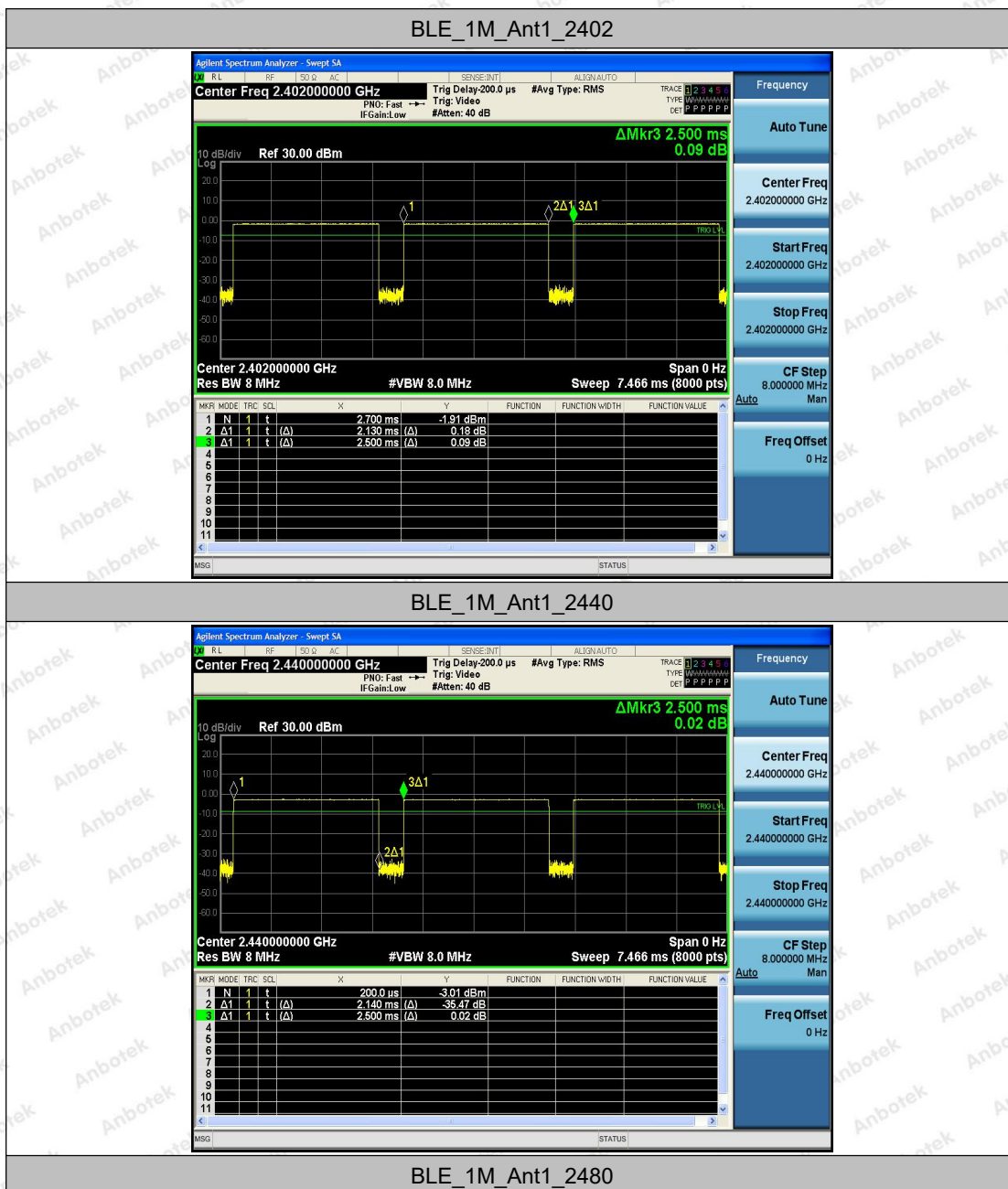
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Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	2.13	2.50	0.852 0	85.20	0.70	---	PASS
		2440	2.14	2.50	0.856 0	85.60	0.68	---	PASS
		2480	2.14	2.50	0.856 0	85.60	0.68	---	PASS

Test Graphs

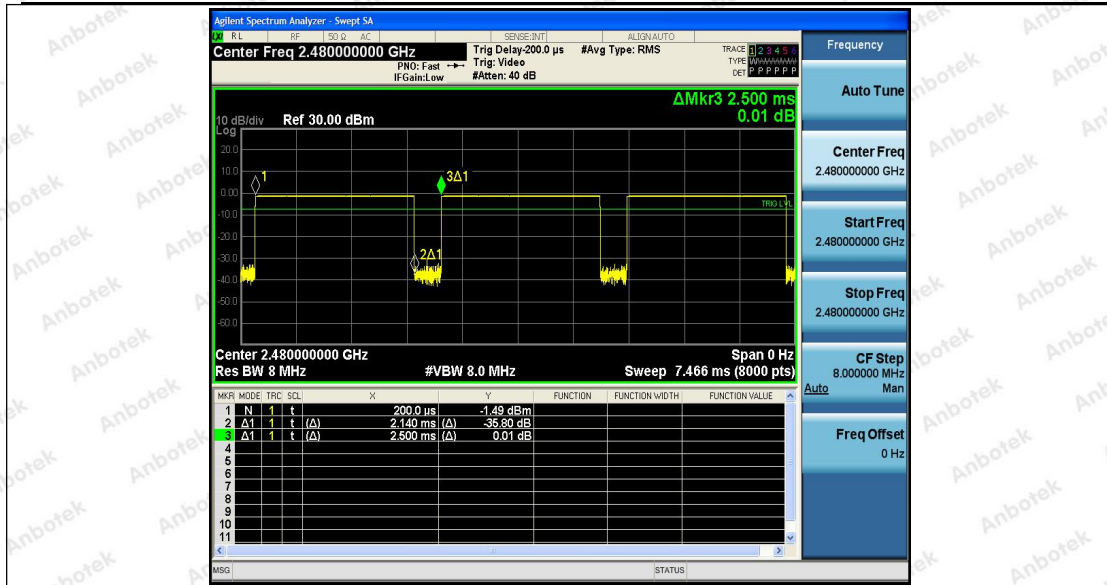


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