

Appendix Test Data

Report No.:	18220WC20102002	Test Sample No.:	1-2-2
Start Test Date:	2022.5.10	Finish Test Date:	2022.5.18
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	23.7°C	Relative Humidity:	55.9 %
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	0.716	2401.640	2402.356	≥0.5	PASS
		2440	0.688	2439.652	2440.340	≥0.5	PASS
		2480	0.692	2479.648	2480.340	≥0.5	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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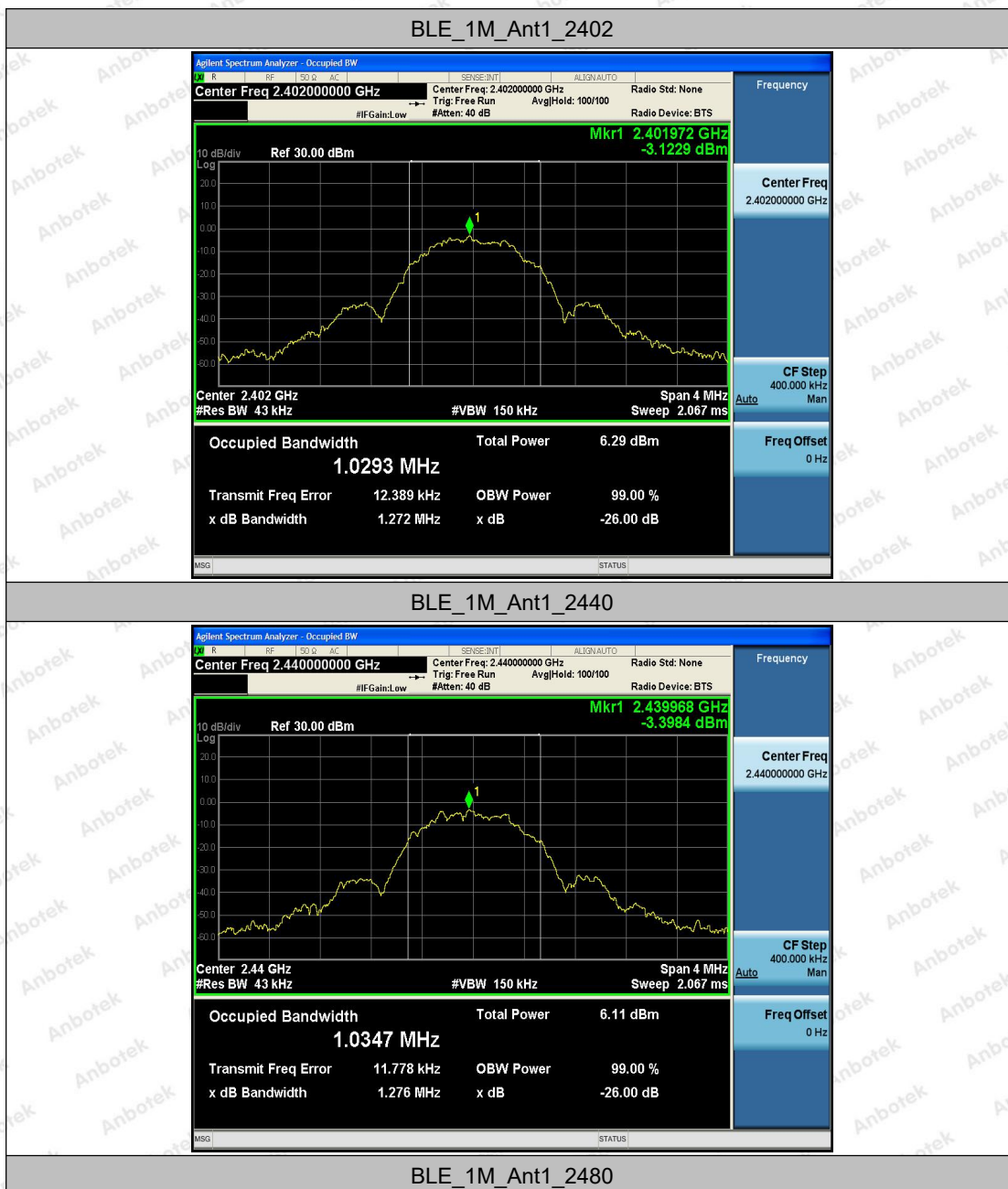
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0293	2401.498	2402.527	---	PASS
		2440	1.0347	2439.494	2440.529	---	PASS
		2480	1.0250	2479.498	2480.523	---	PASS

Test Graphs



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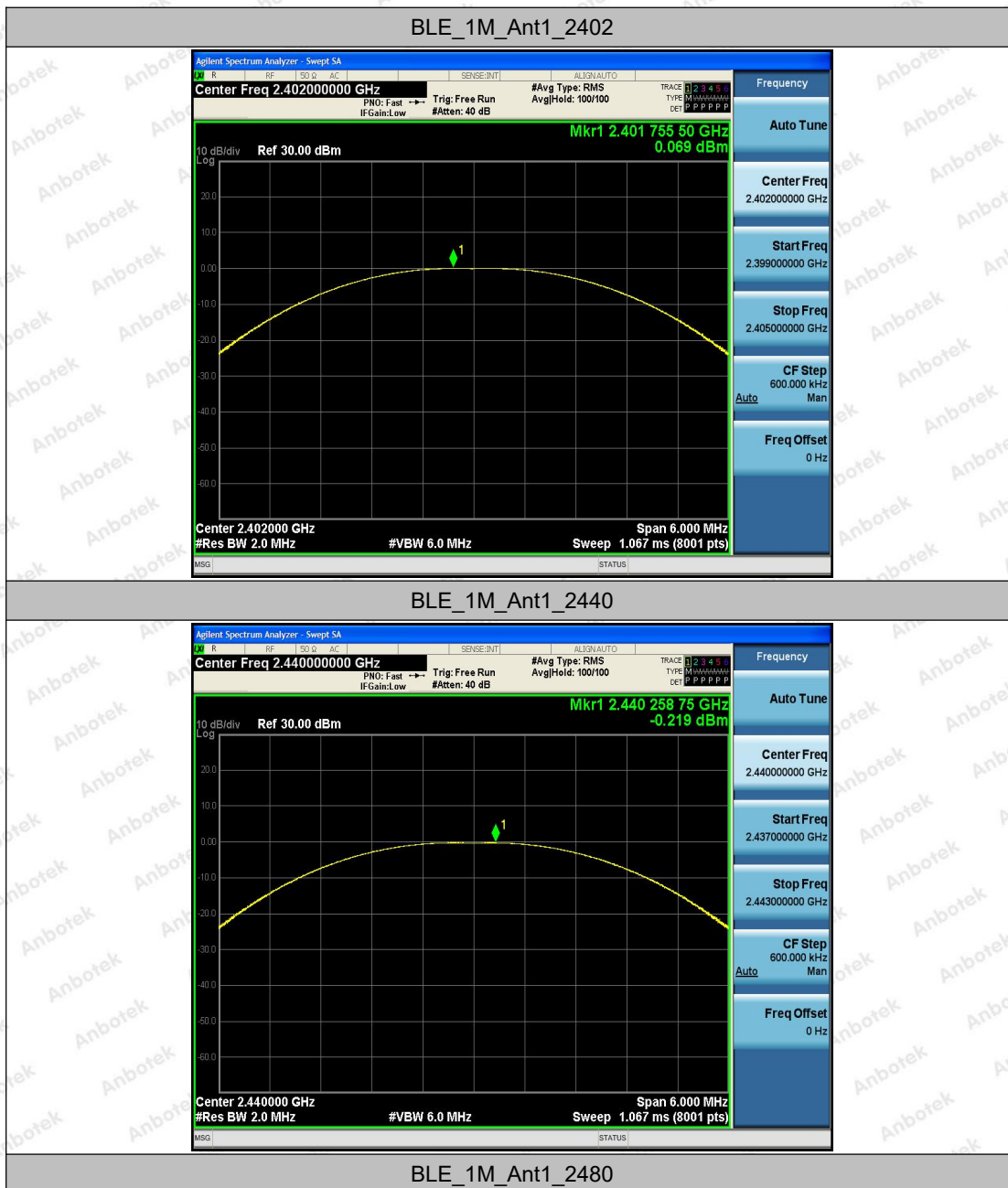
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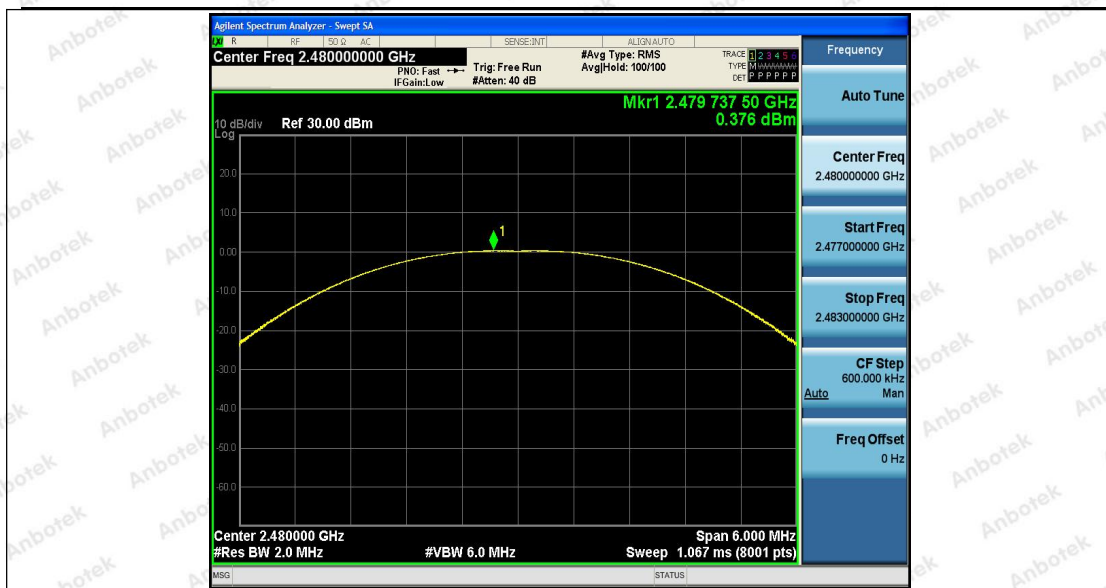
Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.07	≤30	PASS
		2440	-0.22	≤30	PASS
		2480	0.38	≤30	PASS

Test Graphs





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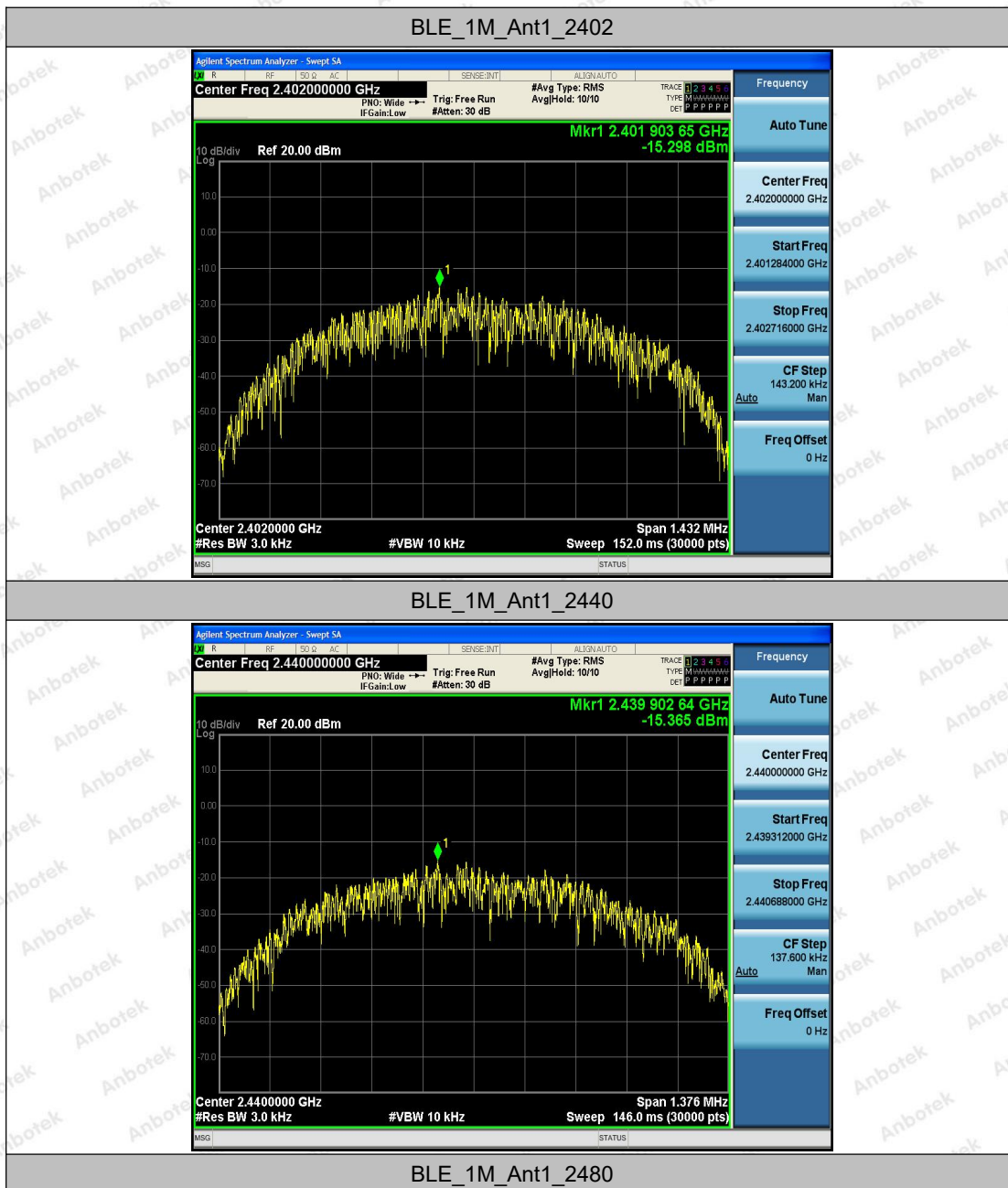
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.3	≤8	PASS
		2440	-15.37	≤8	PASS
		2480	-14.81	≤8	PASS

Test Graphs

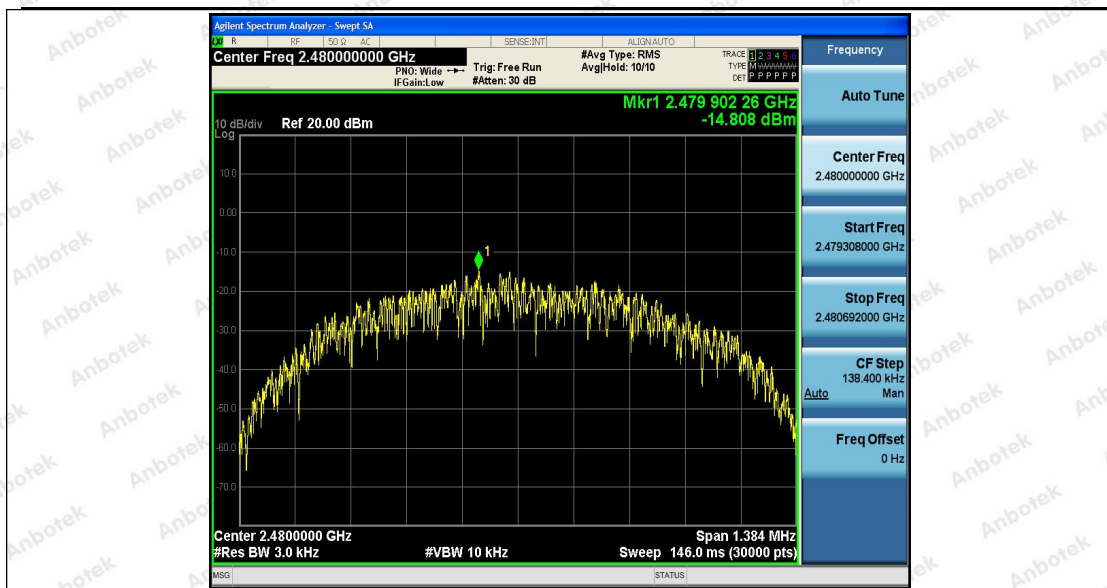


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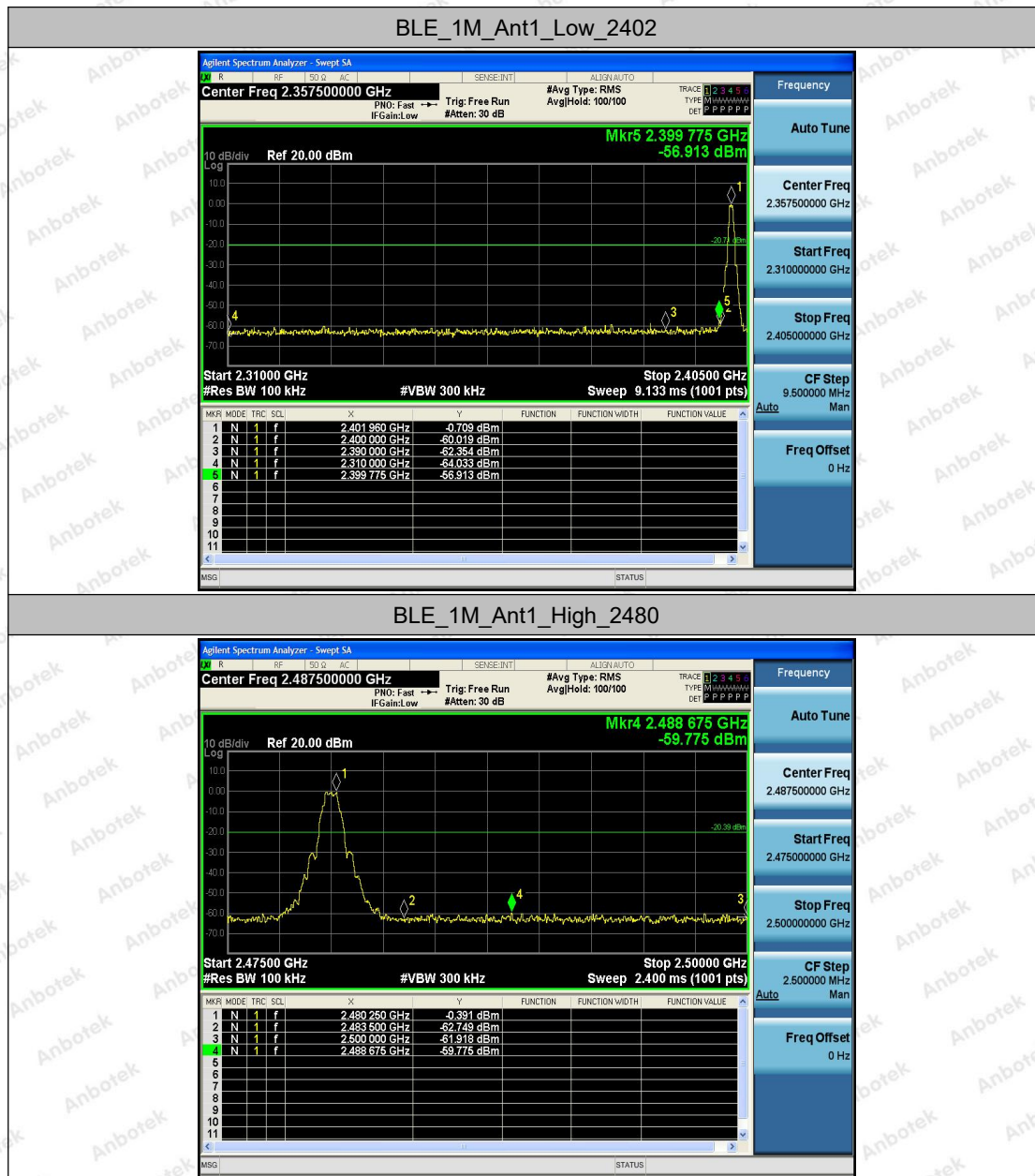
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.71	-56.91	≤ -20.71	PASS
		High	2480	-0.39	-59.78	≤ -20.39	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

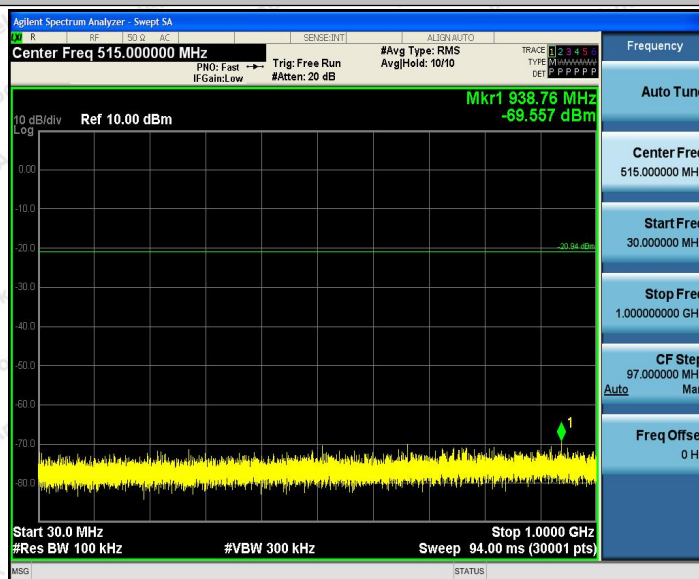
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-0.94	-0.94	---	PASS
			30~1000	-0.94	-69.56	≤-20.94	PASS
			1000~265 00	-0.94	-55.19	≤-20.94	PASS
		2440	Reference	-1.13	-1.13	---	PASS
			30~1000	-1.13	-70.62	≤-21.13	PASS
			1000~265 00	-1.13	-55.29	≤-21.13	PASS
		2480	Reference	-0.60	-0.60	---	PASS
			30~1000	-0.60	-70.42	≤-20.6	PASS
			1000~265 00	-0.60	-55.28	≤-20.6	PASS

Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



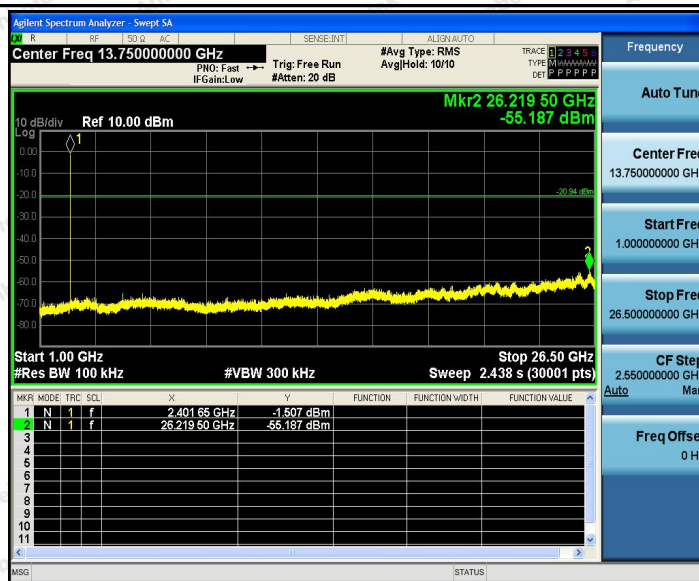
BLE_1M_Ant1_2402_1000~26500

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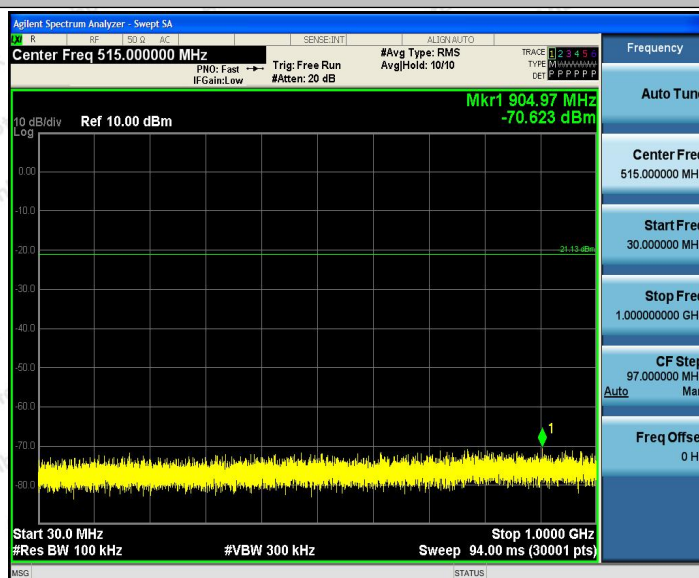
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000

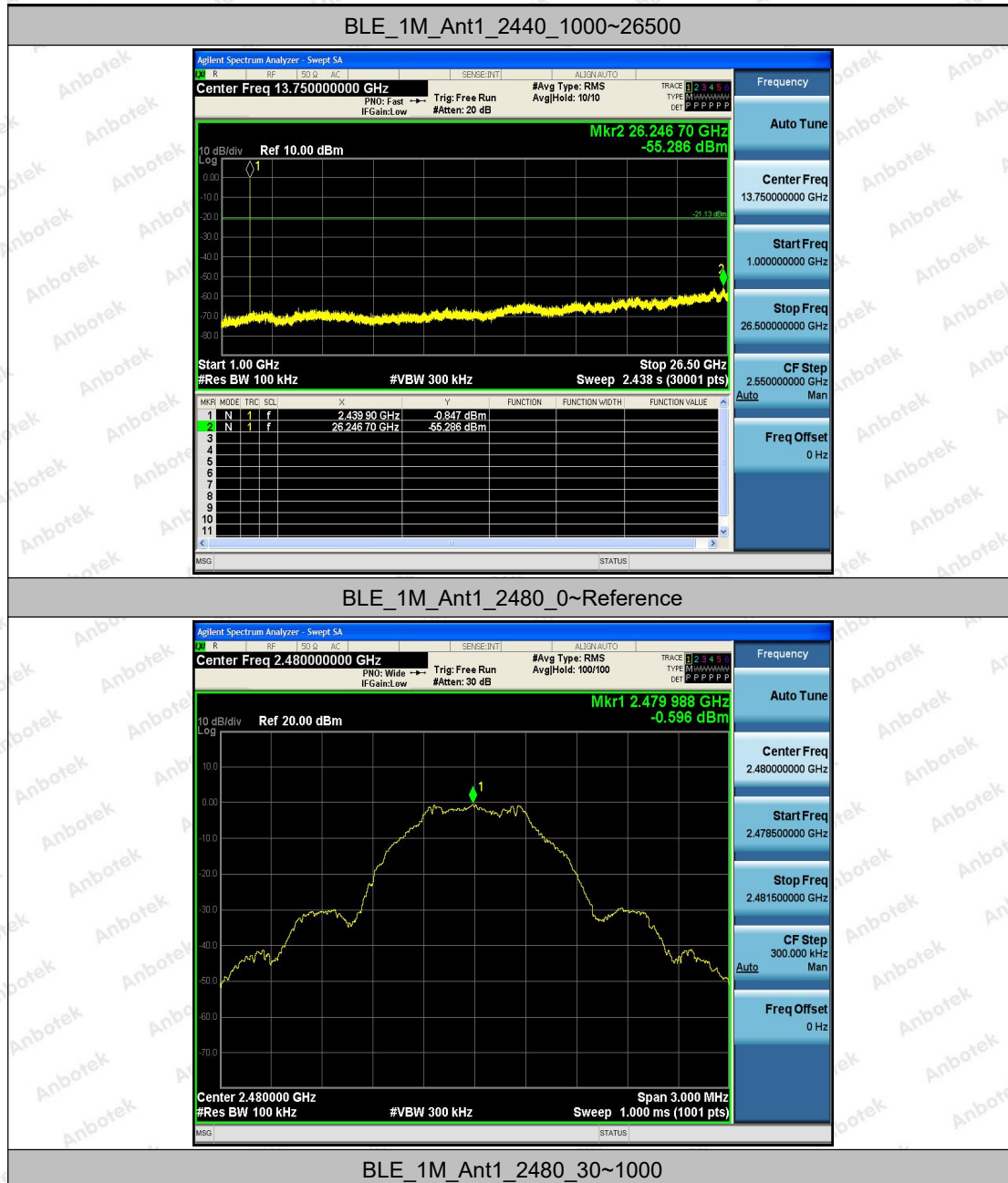


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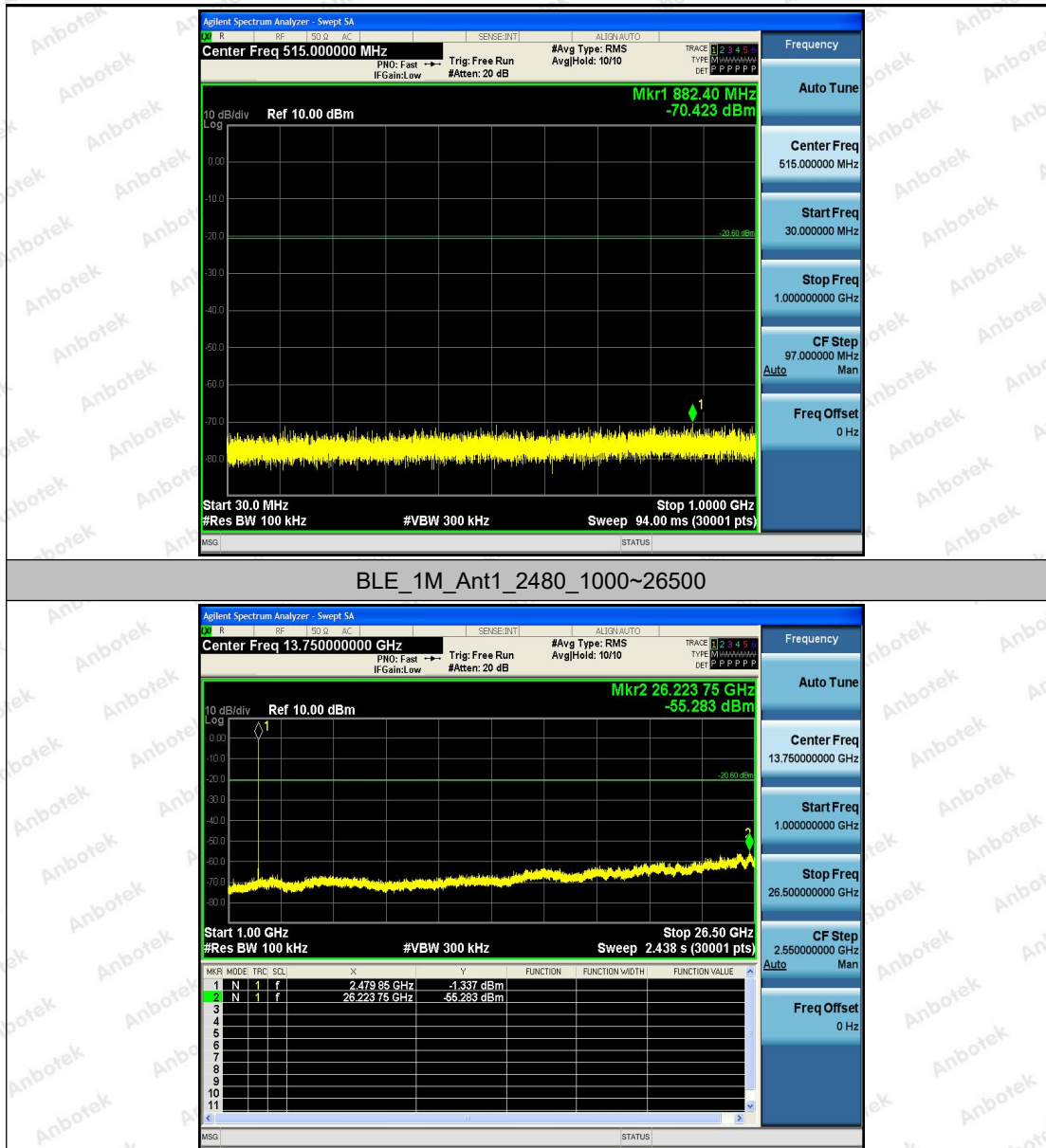


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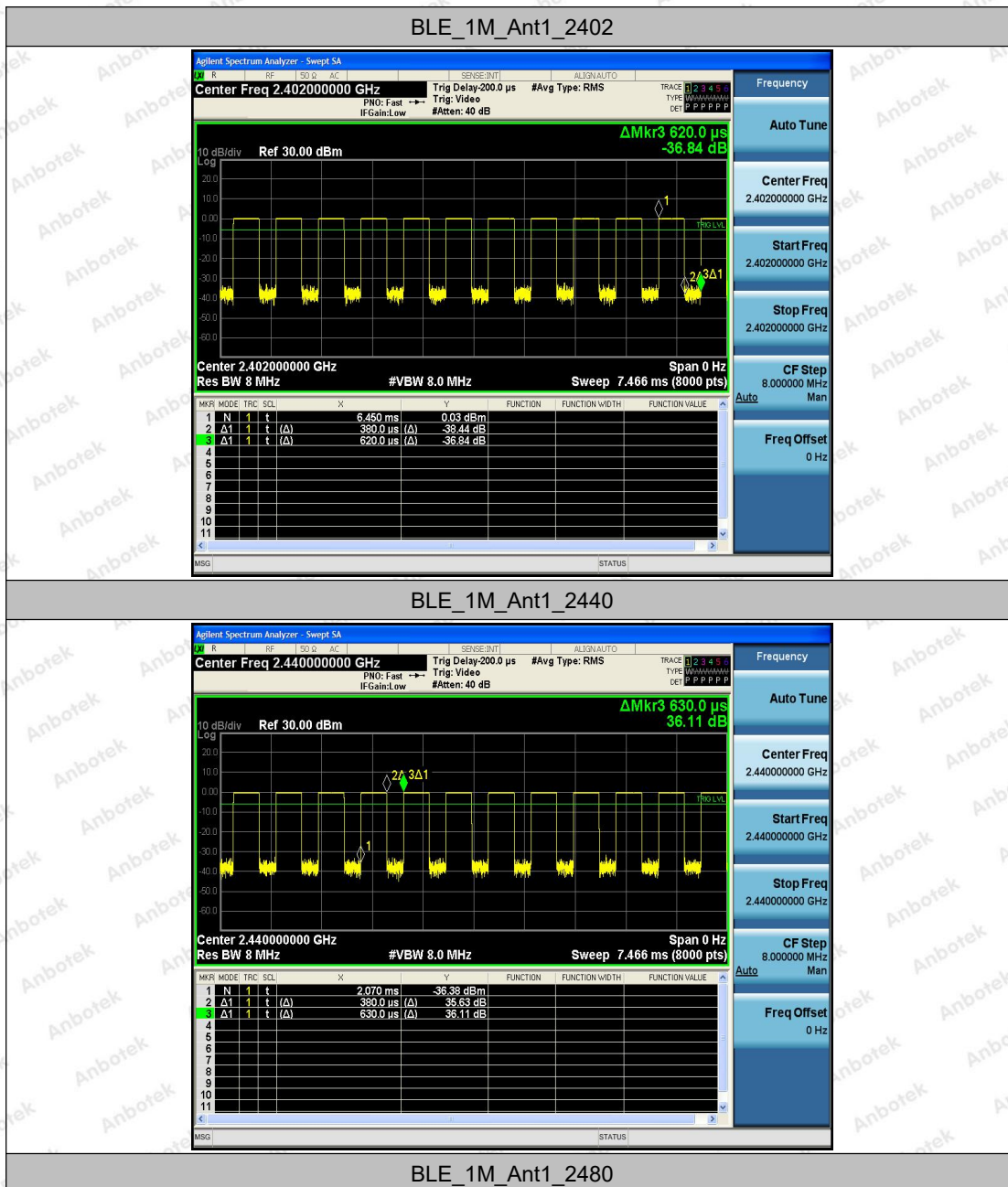
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Appendix G: Duty Cycle

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	0.63	0.603 2	60.32	2.20	---	PASS
		2480	0.38	0.63	0.603 2	60.32	2.20	---	PASS

Test Graphs



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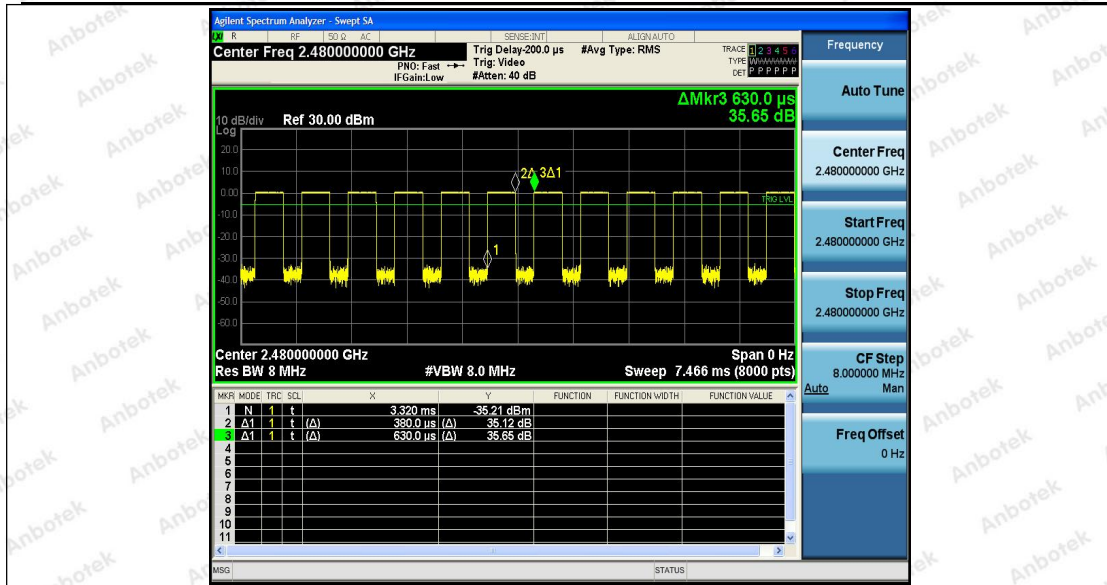
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