

Appendix Test Data

Report No.:	18220WC20087301	Test Sample No.:	1-2-2
Start Test Date:	2022.4.21	Finish Test Date:	2022.4.25
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.3℃	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	0.680	2401.652	2402.332	≥0.5	PASS
		2440	0.696	2439.648	2440.344	≥0.5	PASS
		2480	0.672	2479.664	2480.336	≥0.5	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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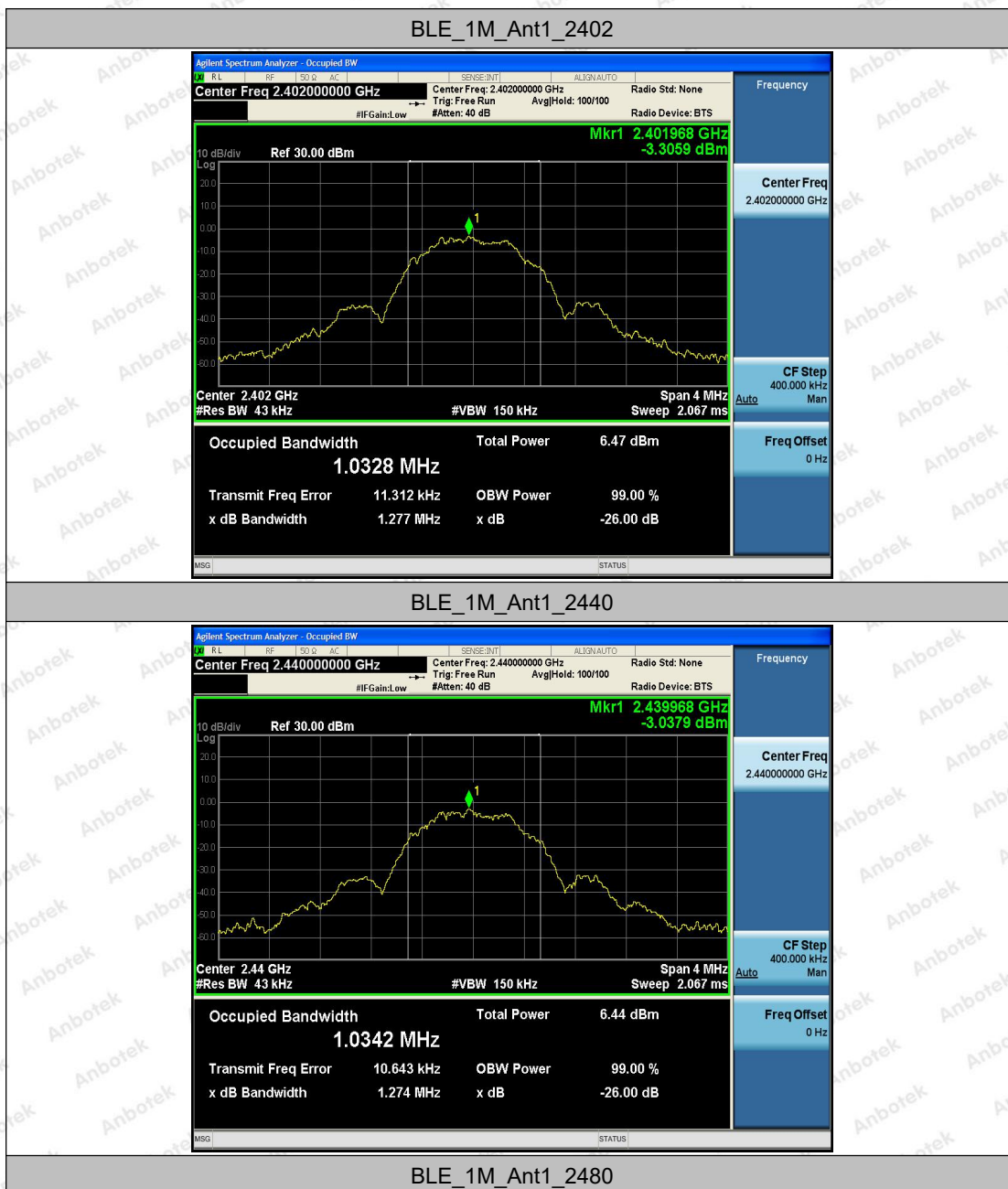
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0328	2401.495	2402.528	---	PASS
		2440	1.0342	2439.494	2440.528	---	PASS
		2480	1.0228	2479.498	2480.520	---	PASS

Test Graphs



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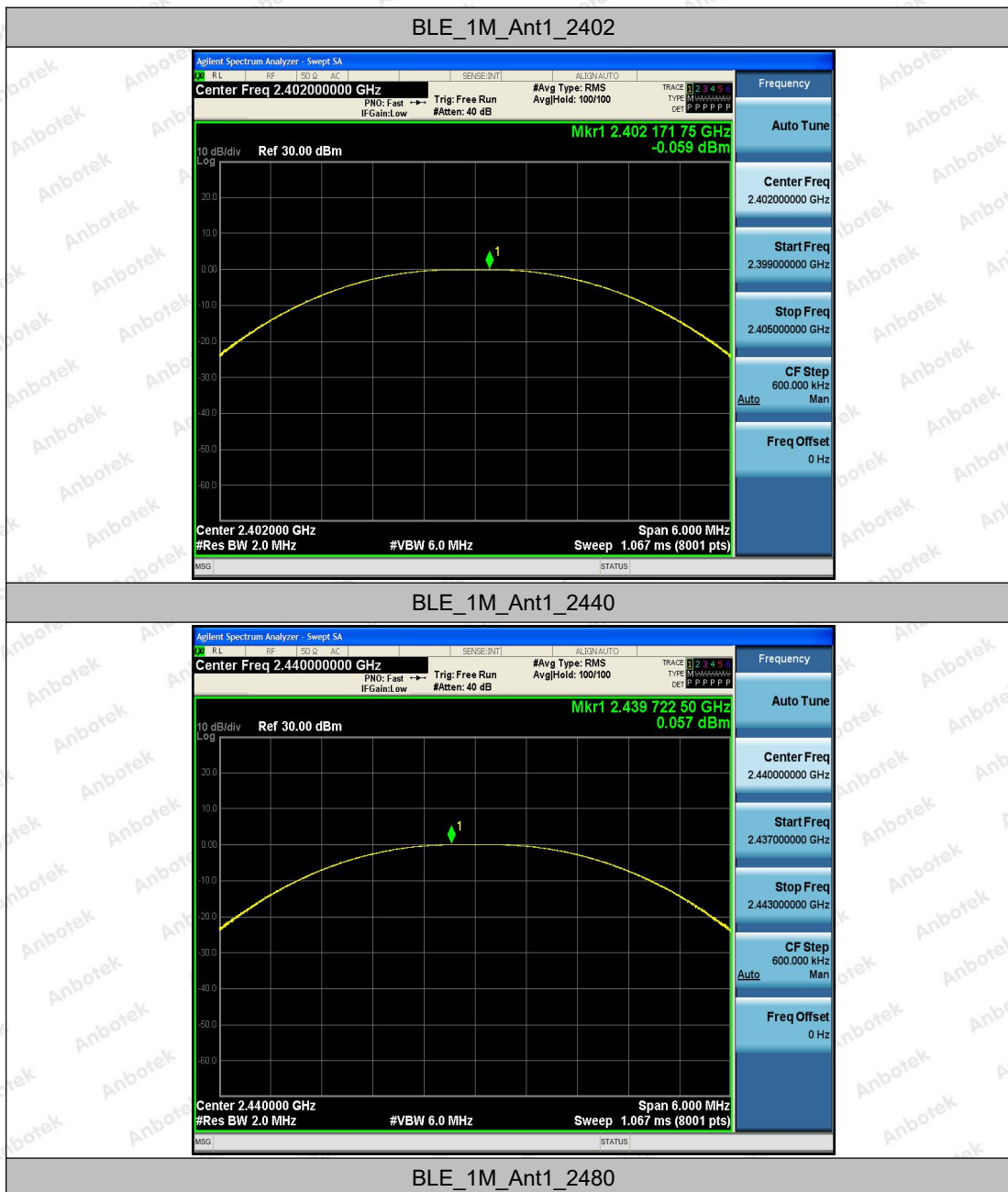
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.06	≤30	PASS
		2440	0.06	≤30	PASS
		2480	0.6	≤30	PASS

Test Graphs

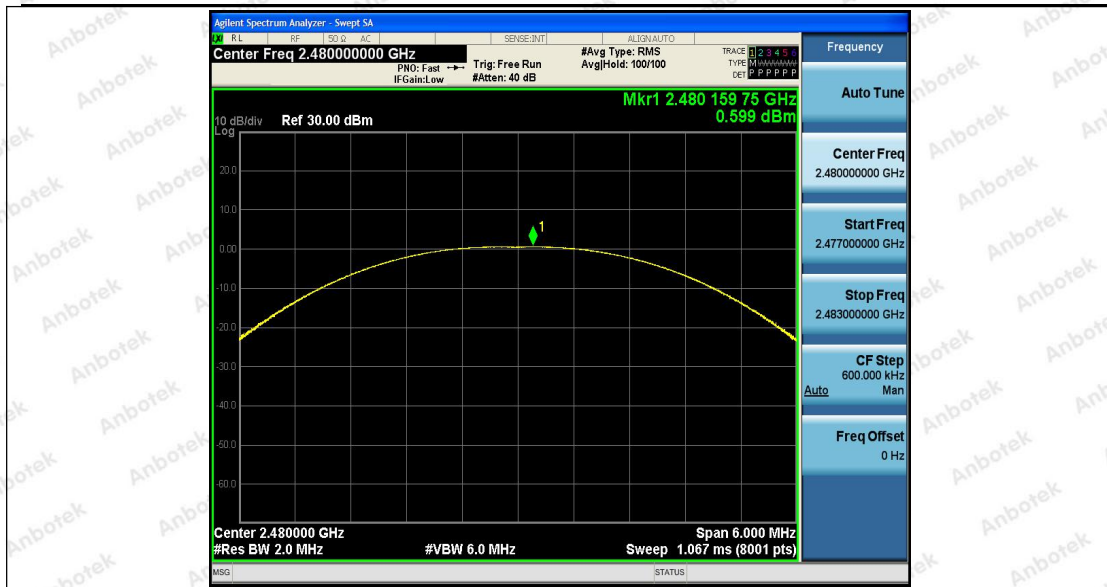


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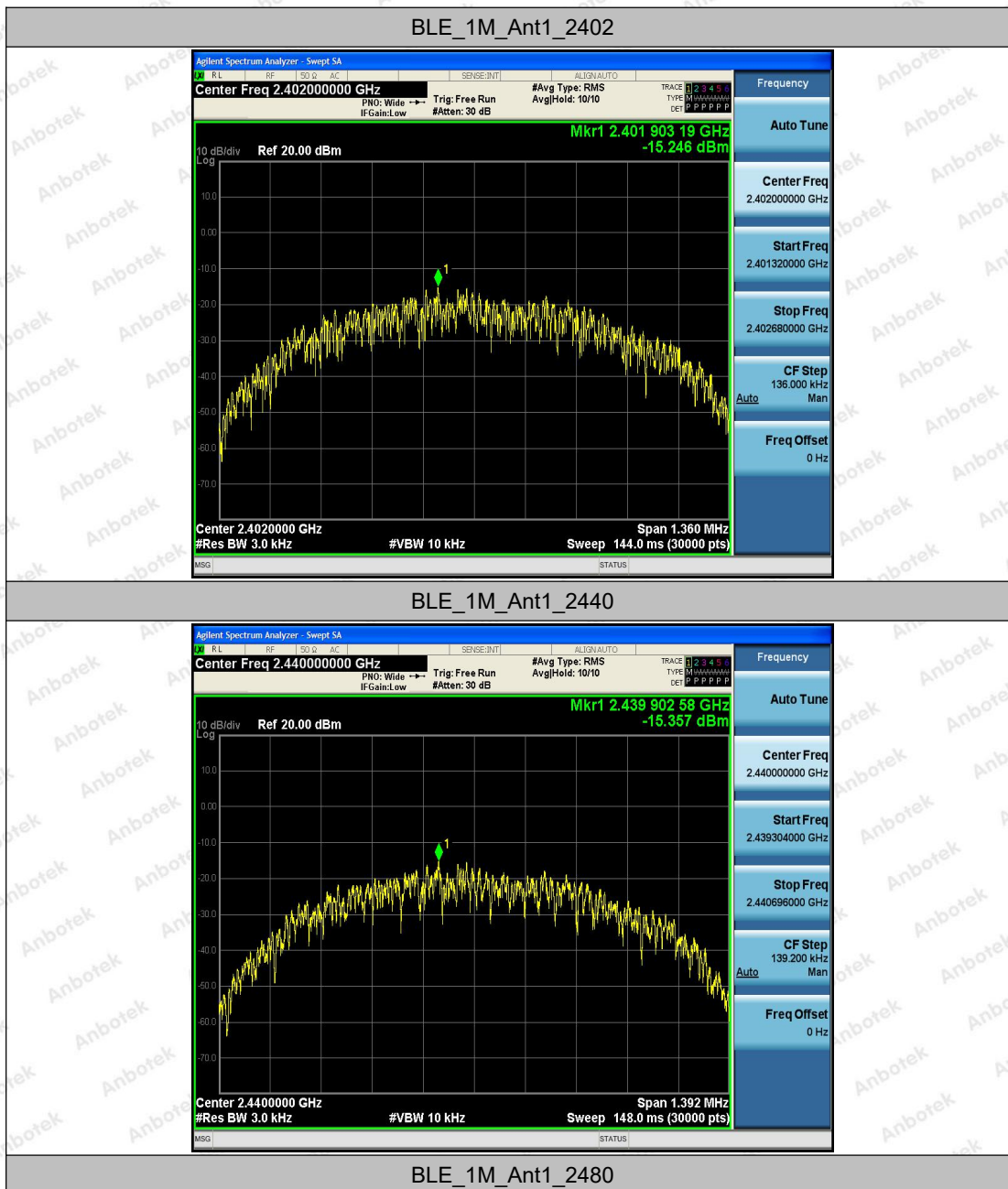
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.25	≤8	PASS
		2440	-15.36	≤8	PASS
		2480	-14.53	≤8	PASS

Test Graphs

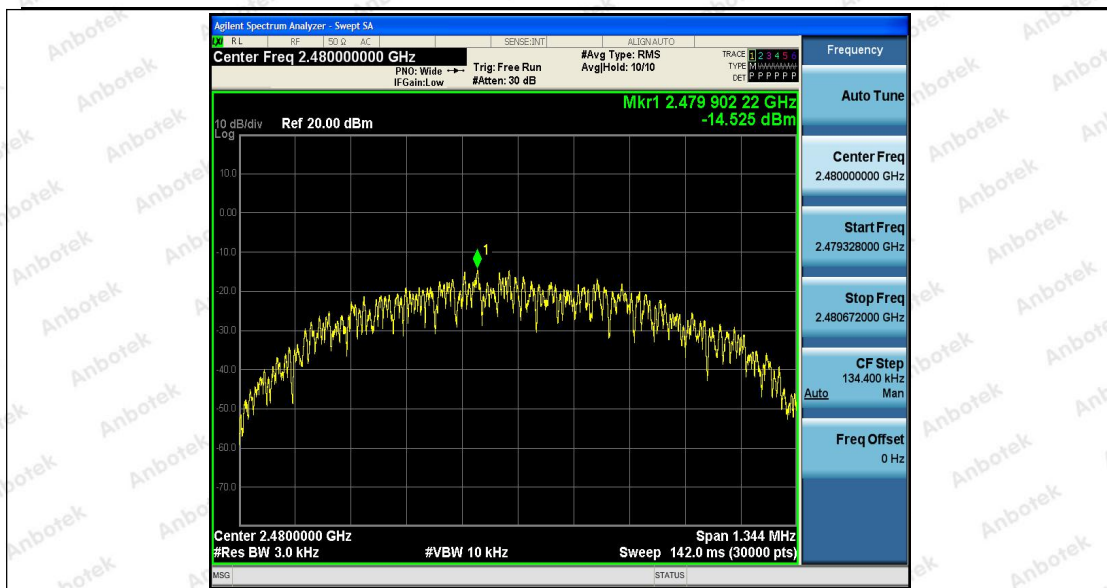


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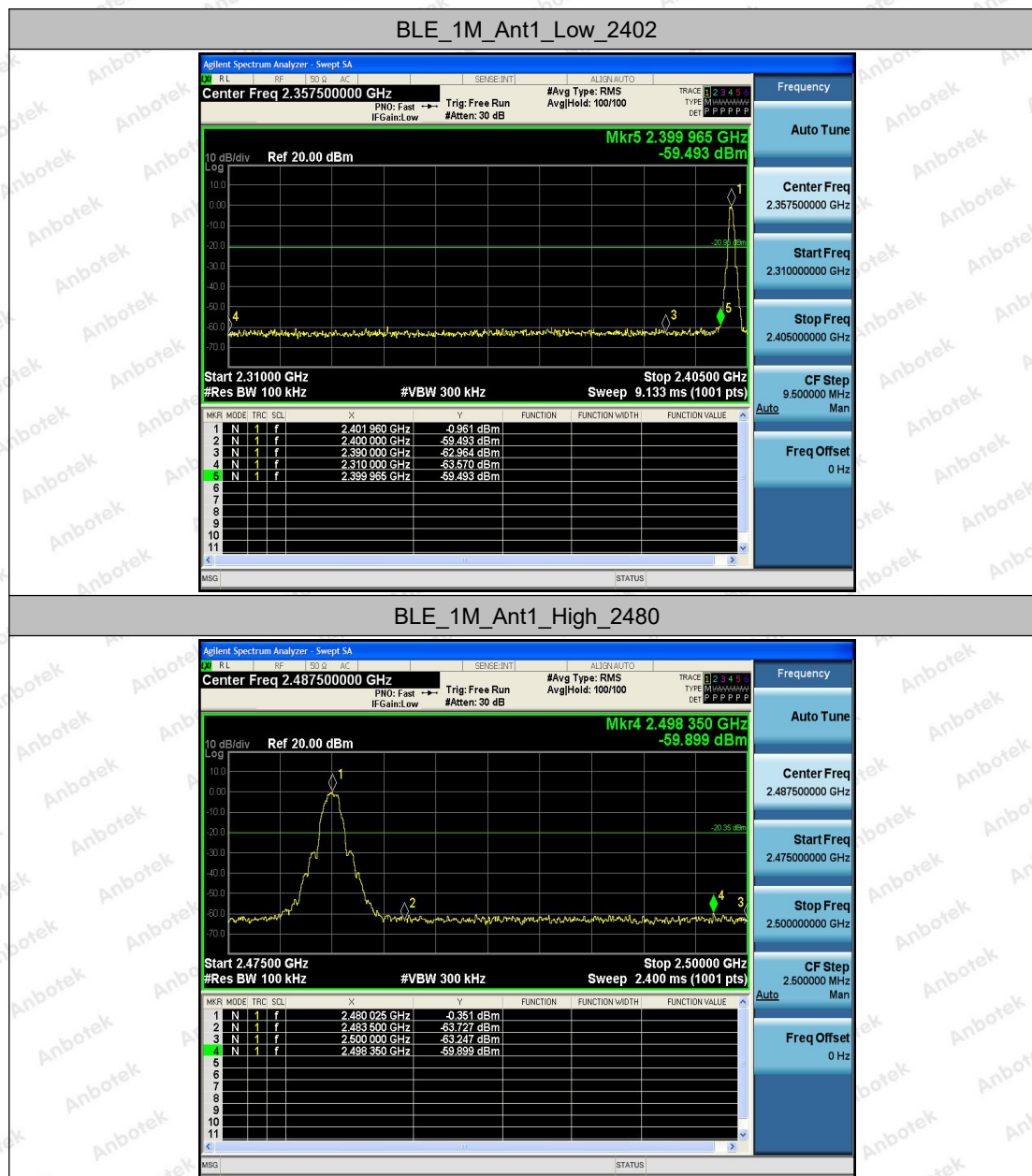
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.96	-59.49	≤ -20.96	PASS
		High	2480	-0.35	-59.9	≤ -20.35	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

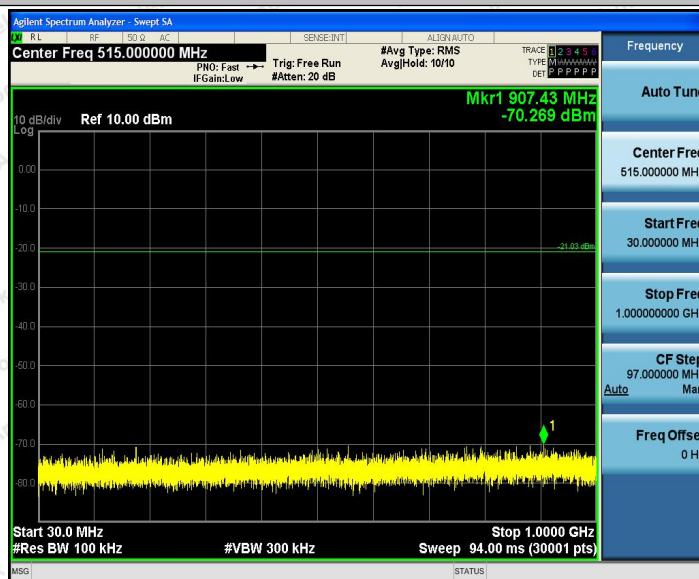
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-1.03	-1.03	---	PASS
			30~1000	-1.03	-70.27	≤-21.03	PASS
			1000~265 00	-1.03	-55.01	≤-21.03	PASS
		2440	Reference	-0.89	-0.89	---	PASS
			30~1000	-0.89	-70	≤-20.89	PASS
			1000~265 00	-0.89	-55.86	≤-20.89	PASS
		2480	Reference	-0.33	-0.33	---	PASS
			30~1000	-0.33	-70.03	≤-20.33	PASS
			1000~265 00	-0.33	-56.08	≤-20.33	PASS

Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



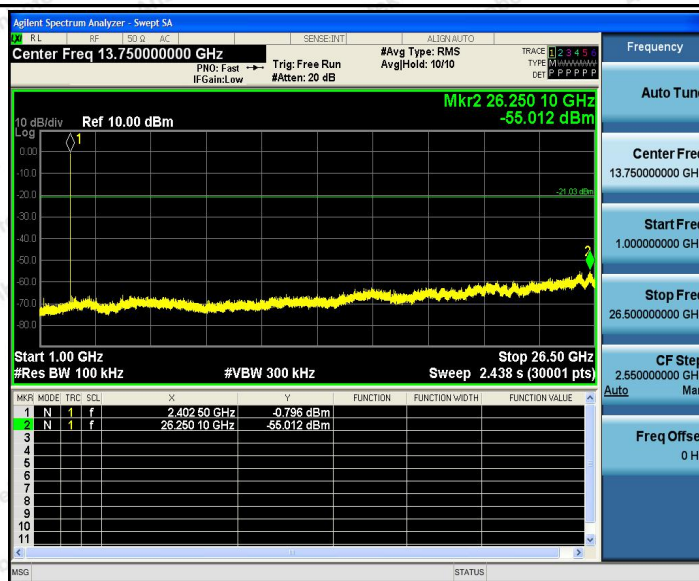
BLE_1M_Ant1_2402_1000~26500

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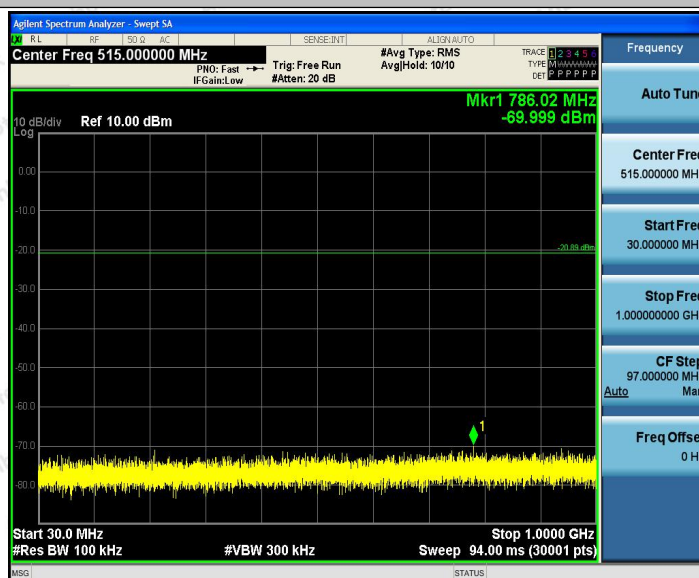
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



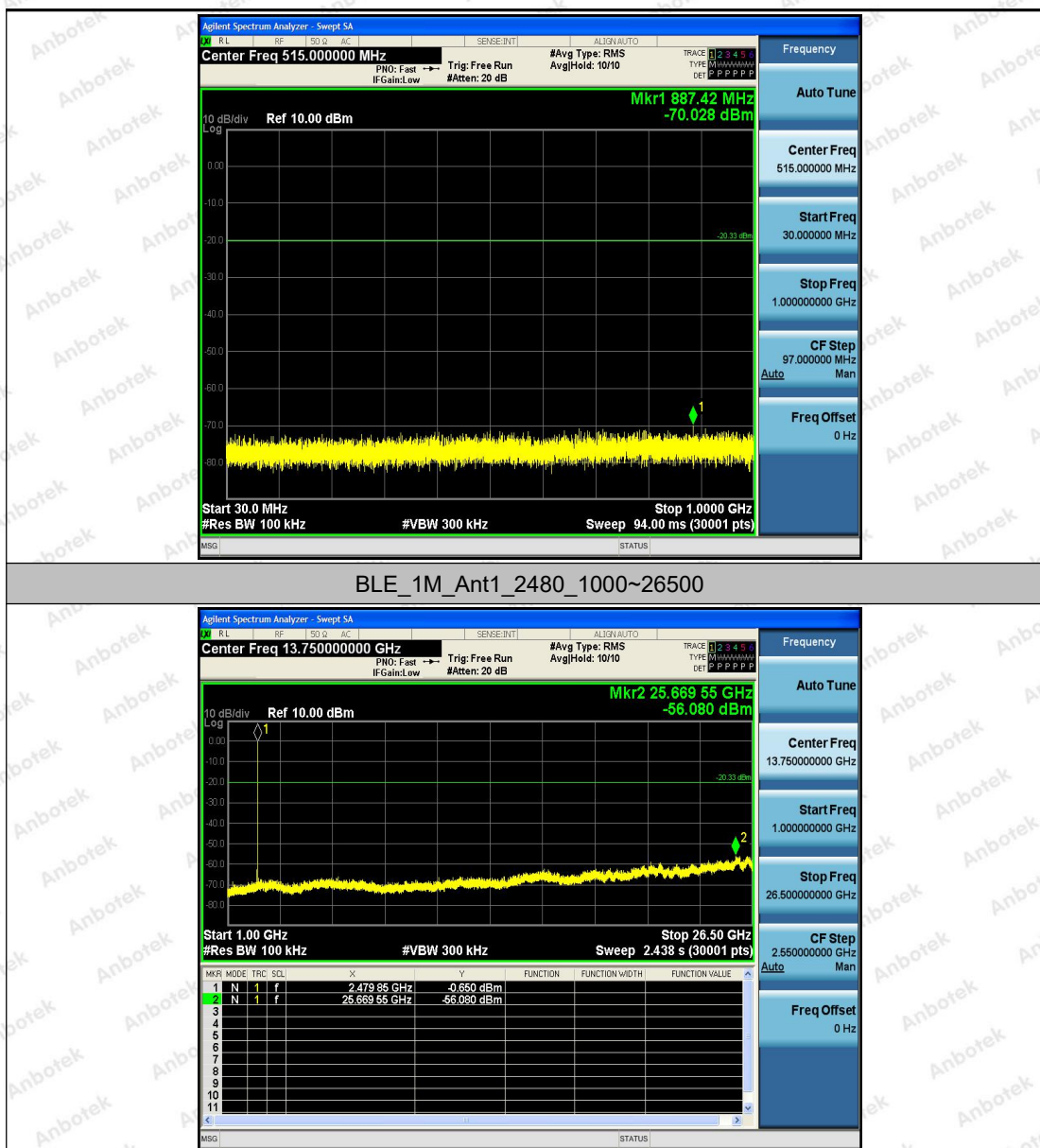
BLE_1M_Ant1_2480_30~1000

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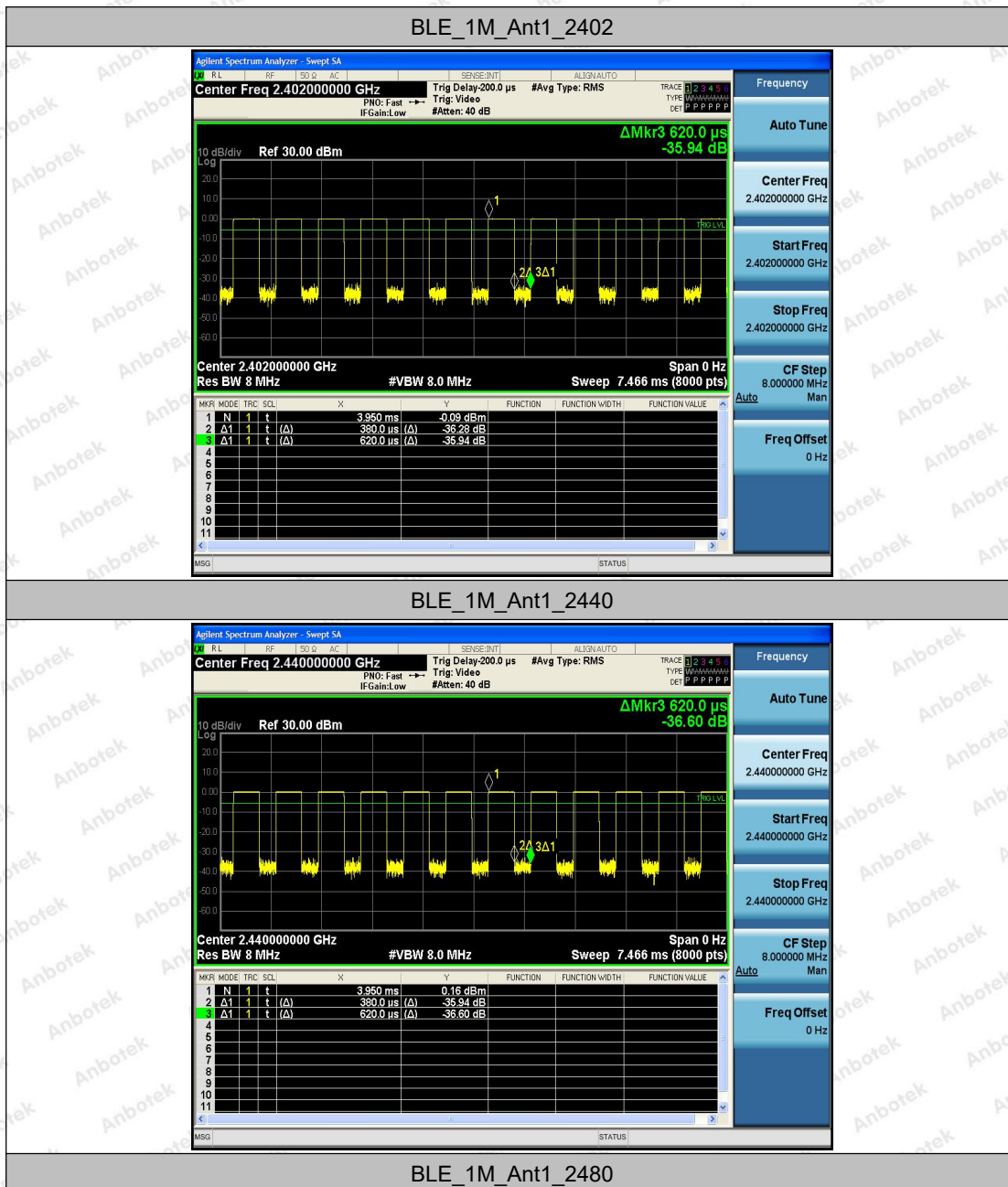
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Appendix G: Duty Cycle

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	0.38	0.62	0.612 9	61.29	2.13	---	PASS

Test Graphs



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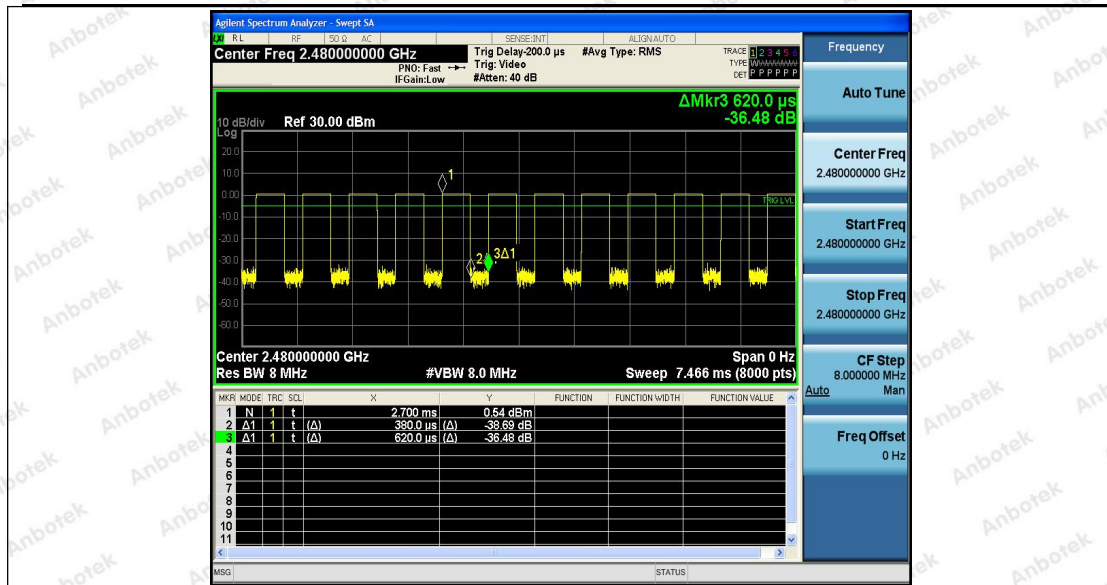
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