

Appendix Test Data

Report No.:	18220WC20012901	Test Sample No.:	1-2-2
Start Test Date:	2022.1.24	Finish Test Date:	2022.1.28
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	23.5°C	Relative Humidity:	54.2 %
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	0.680	2401.652	2402.332	≥0.5	PASS
		2440	0.712	2439.632	2440.344	≥0.5	PASS
		2480	0.700	2479.644	2480.344	≥0.5	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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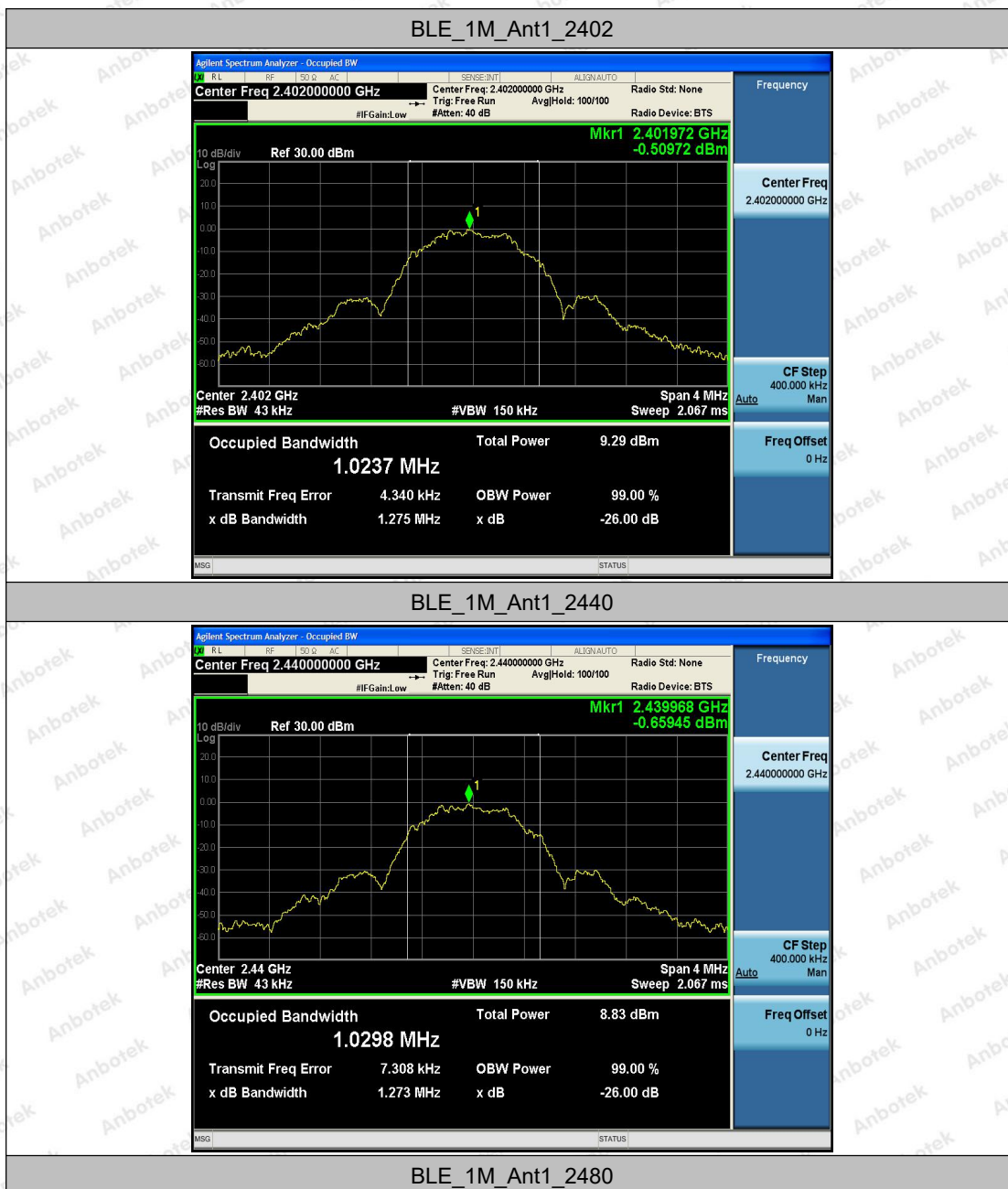
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Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0237	2401.492	2402.516	---	PASS
		2440	1.0298	2439.492	2440.522	---	PASS
		2480	1.0302	2479.495	2480.525	---	PASS

Test Graphs



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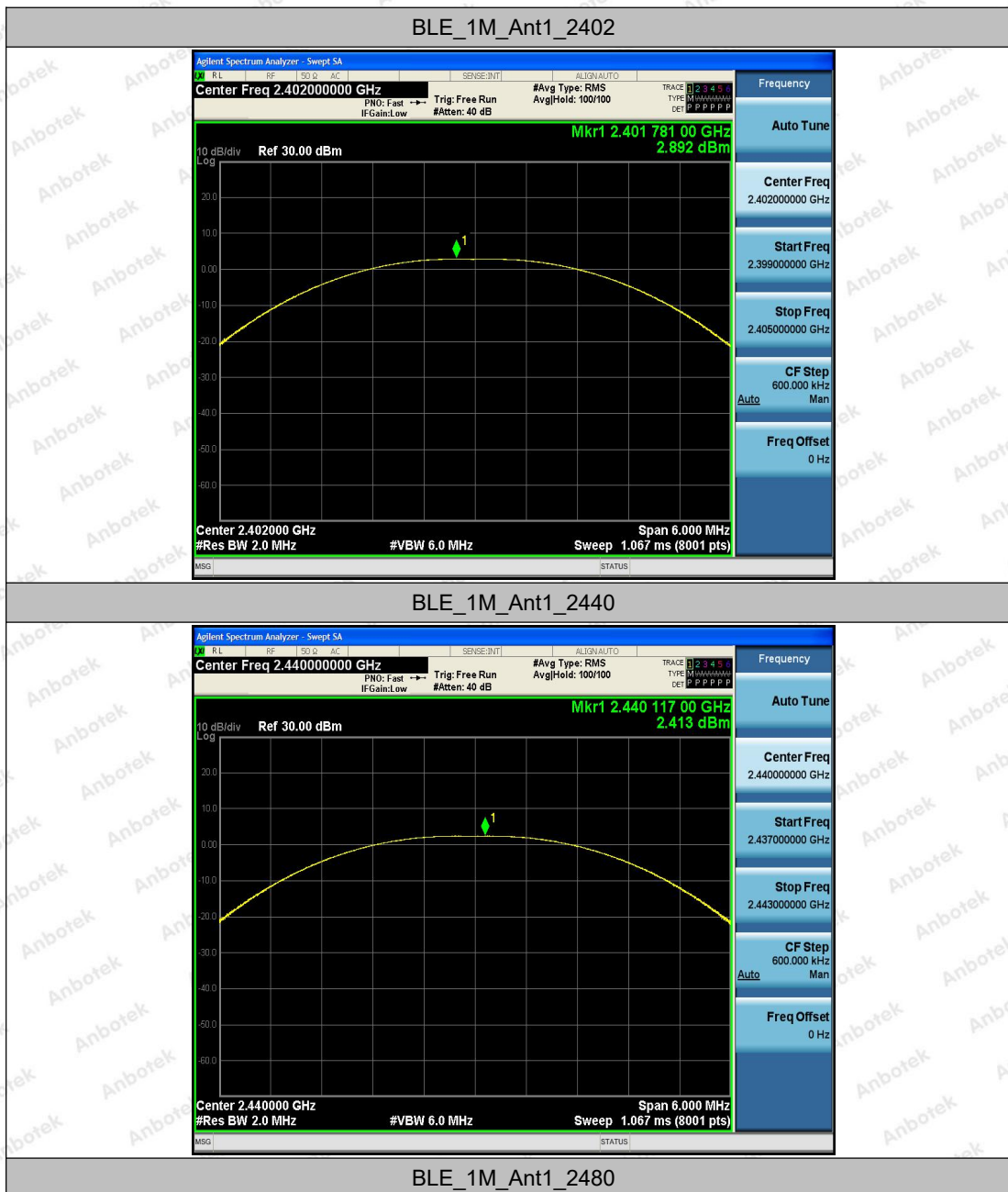
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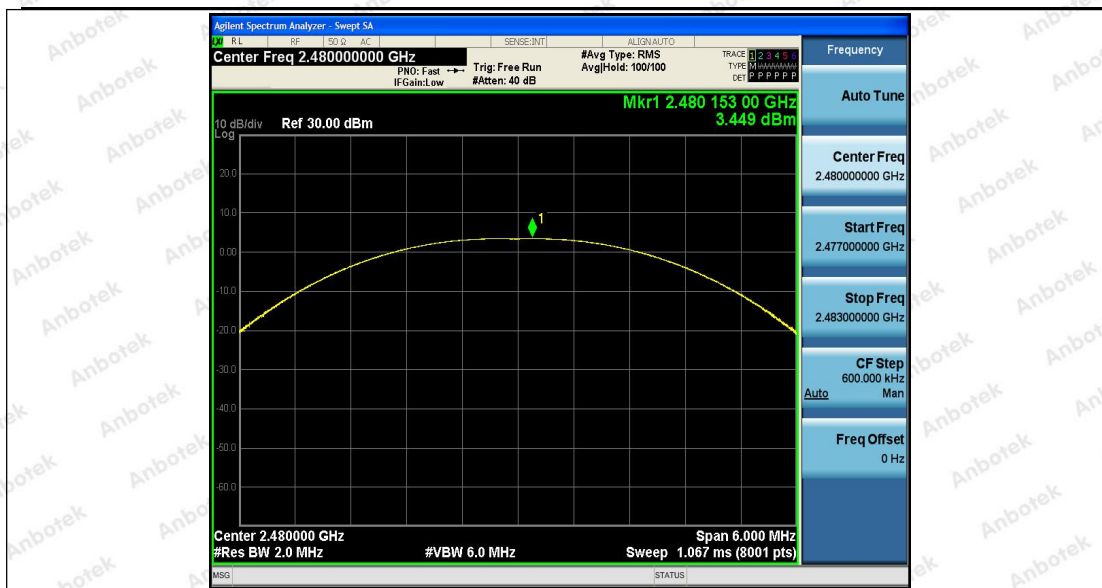
Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.89	≤30	PASS
		2440	2.41	≤30	PASS
		2480	3.45	≤30	PASS

Test Graphs





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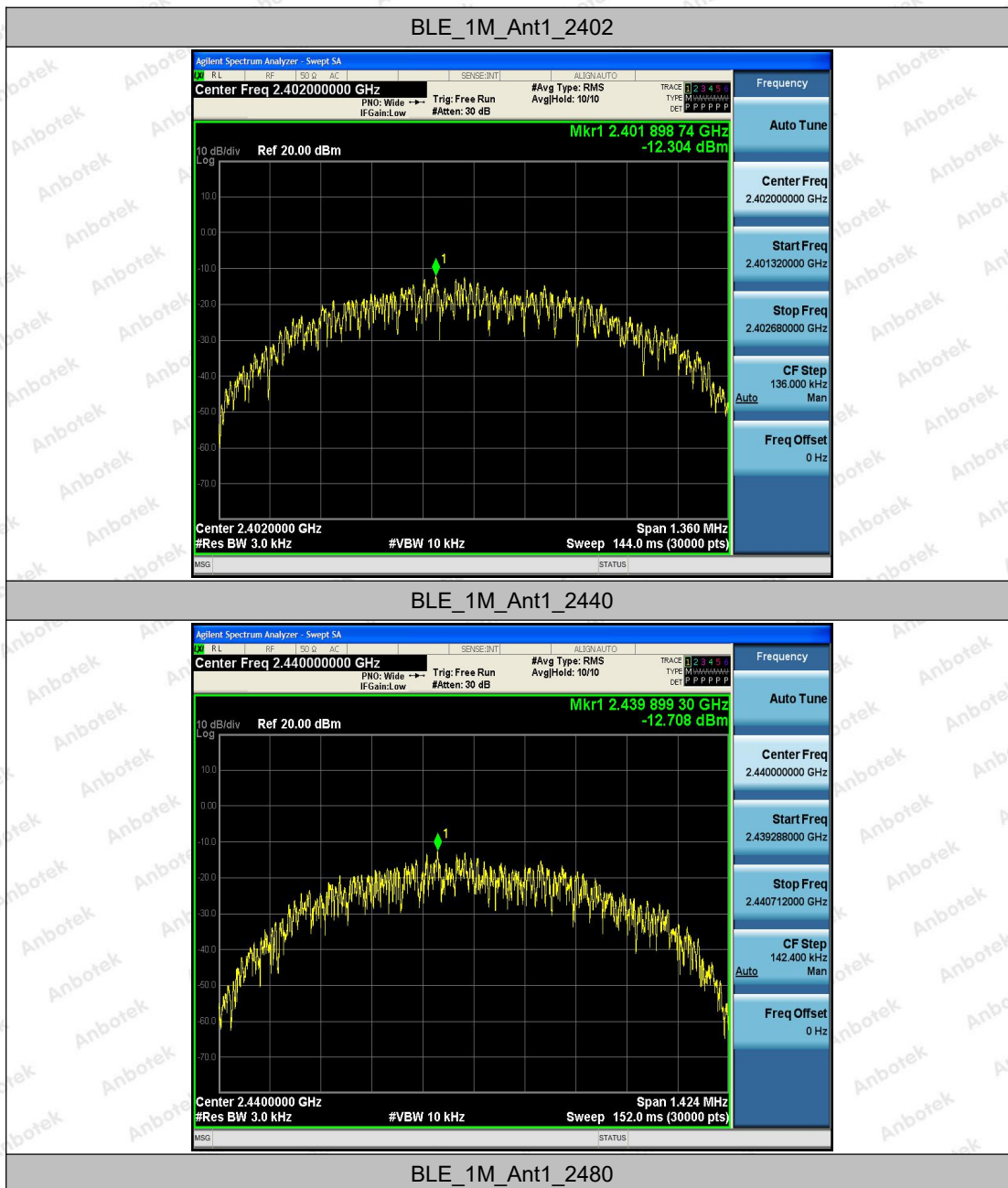
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Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.3	≤8	PASS
		2440	-12.71	≤8	PASS
		2480	-11.71	≤8	PASS

Test Graphs

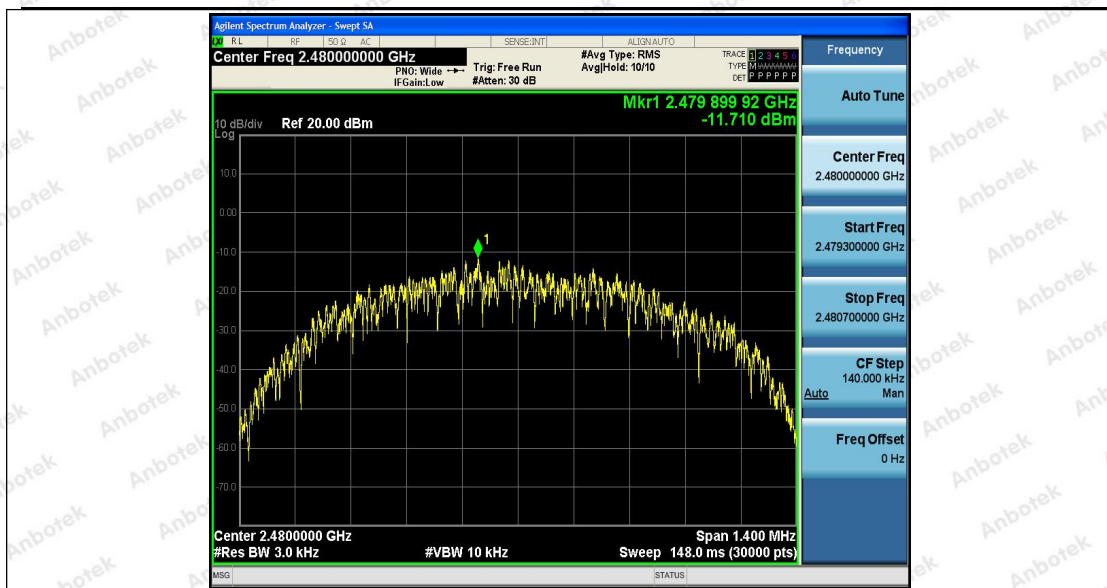


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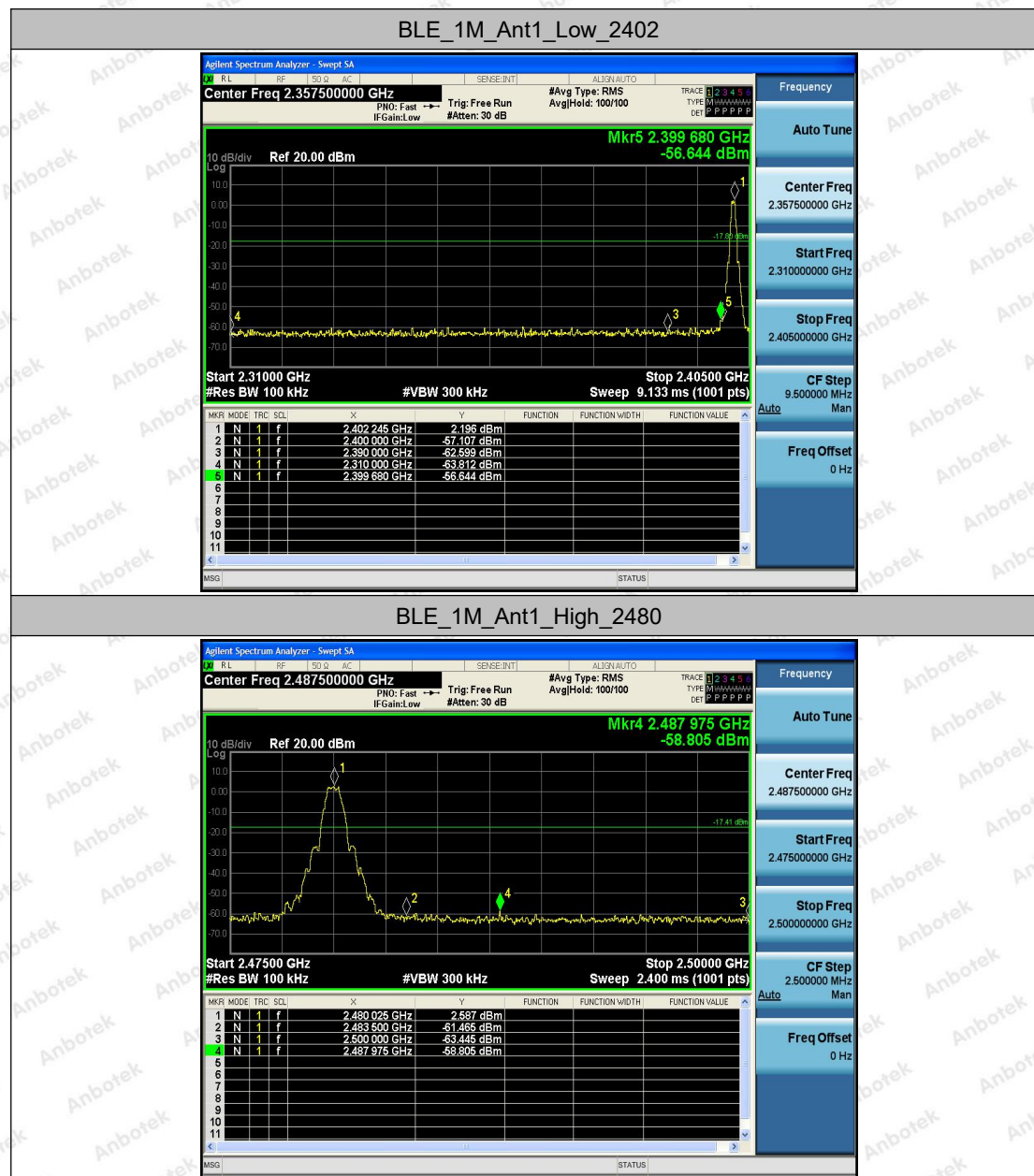
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch Name	Channel	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	2.20	-56.64	≤-17.8	PASS
		High	2480	2.59	-58.81	≤-17.41	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

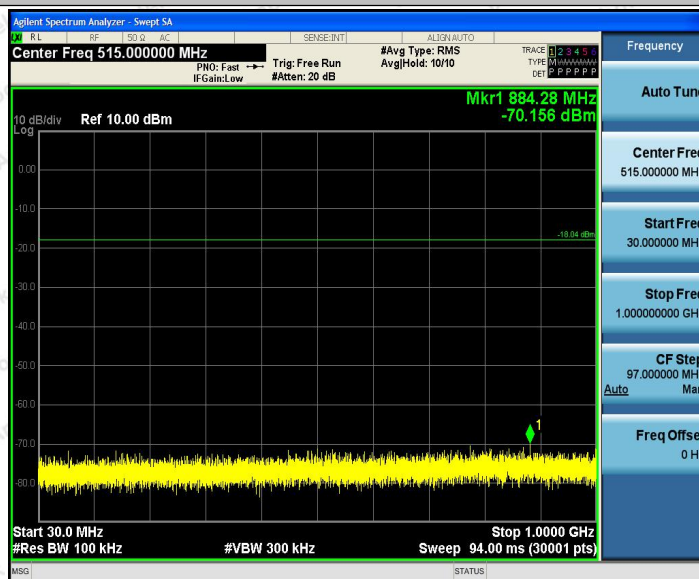
Test Mode	Antenna	Channel	Freq Range [MHz]	Ref Level [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	1.96	1.96	---	PASS
			30~1000	1.96	-70.16	≤ -18.04	PASS
			1000~26500	1.96	-55.54	≤ -18.04	PASS
		2440	Reference	1.50	1.50	---	PASS
			30~1000	1.50	-70.51	≤ -18.5	PASS
			1000~26500	1.50	-54.67	≤ -18.5	PASS
		2480	Reference	2.59	2.59	---	PASS
			30~1000	2.59	-70.21	≤ -17.41	PASS
			1000~26500	2.59	-55.62	≤ -17.41	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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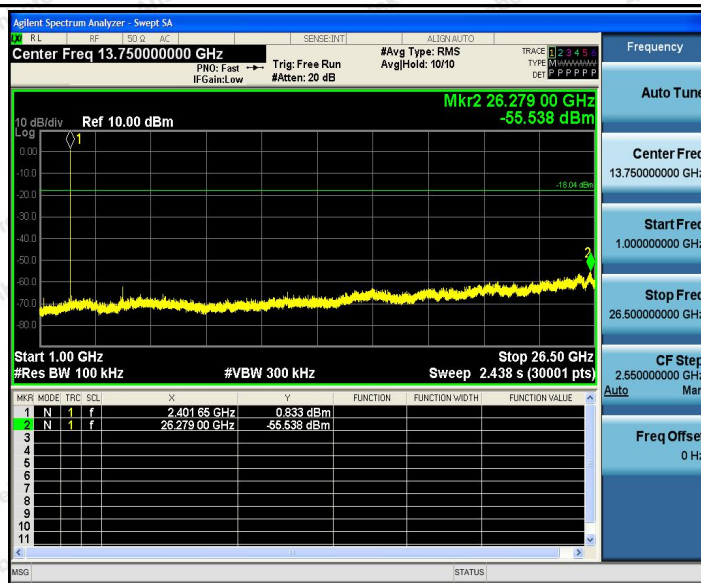
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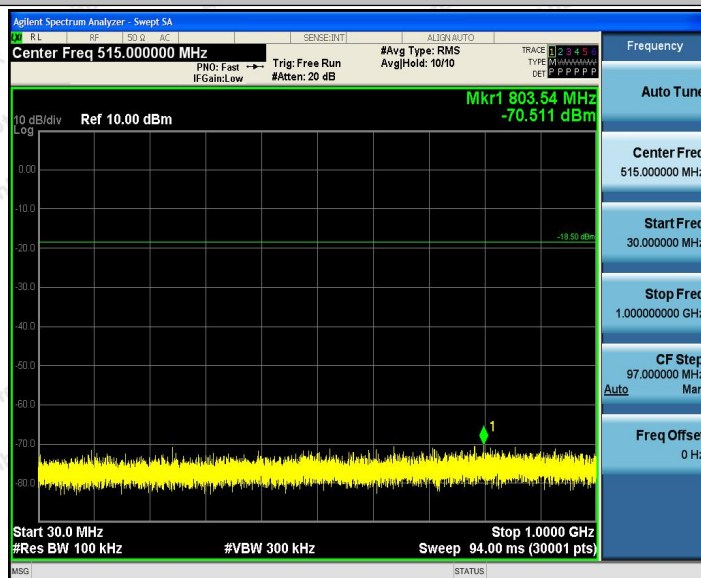
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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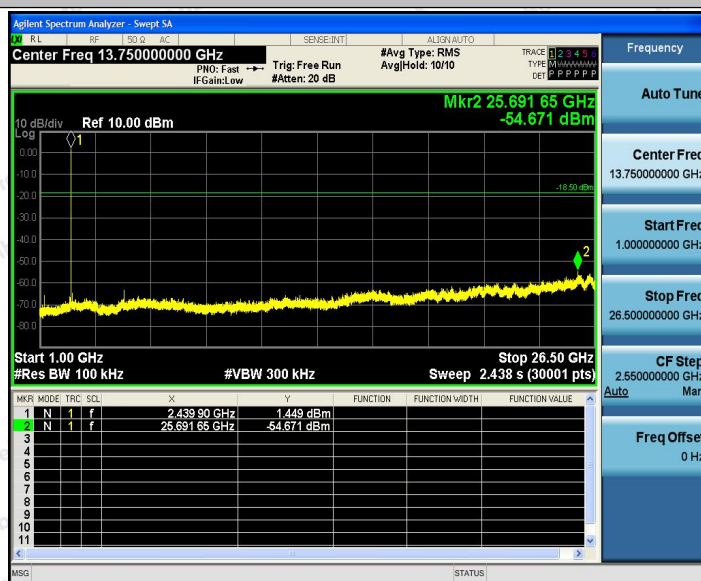


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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



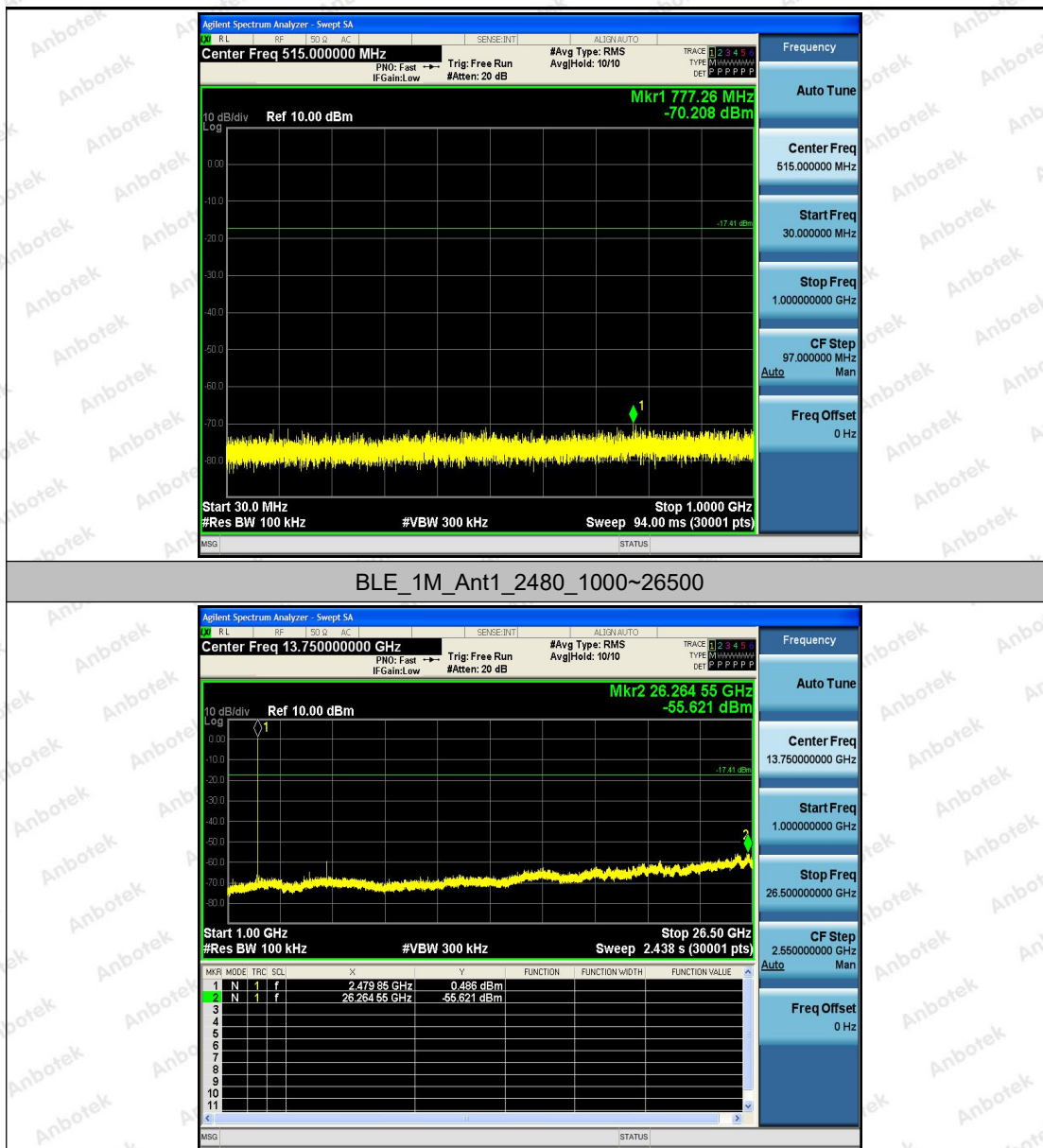
BLE_1M_Ant1_2480_30~1000

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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	X Factor	Limit	Verdict
BLE_1M	Ant1	2402	0.38	0.63	0.6032	60.32	2.20	---	PASS
		2440	0.38	0.63	0.6032	60.32	2.20	---	PASS
		2480	0.38	0.63	0.6032	60.32	2.20	---	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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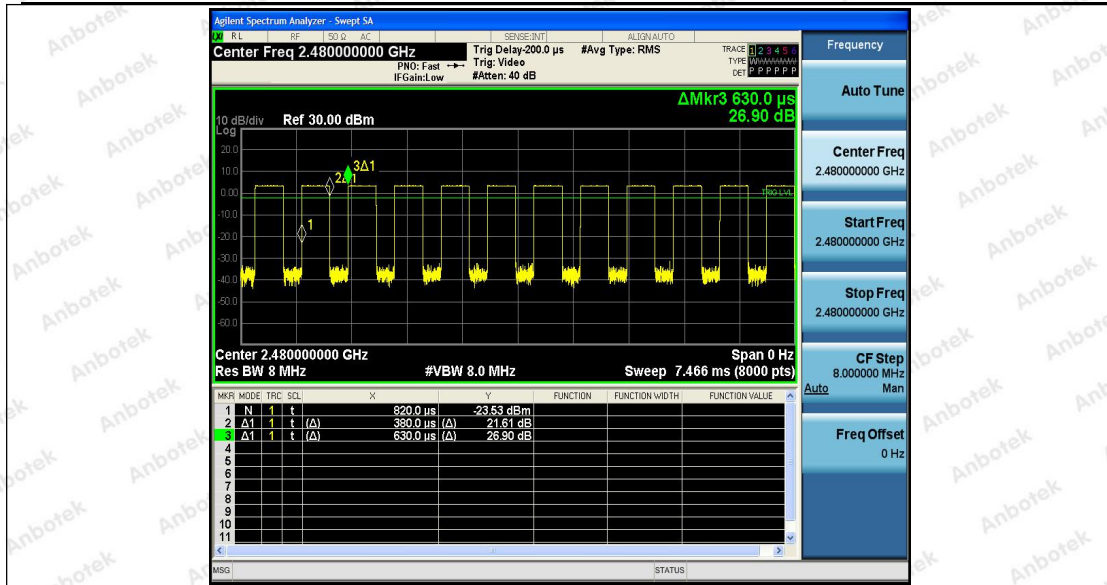
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