

Appendix Test Data

Report No.:	18220WC20085701	Test Sample No.:	1-2-2
Start Test Date:	2022.4.20	Finish Test Date:	2022.4.21
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.3℃	Relative Humidity:	57.2 %
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	0.700	2401.640	2402.340	≥0.5	PASS
		2440	0.708	2439.632	2440.340	≥0.5	PASS
		2480	0.668	2479.664	2480.332	≥0.5	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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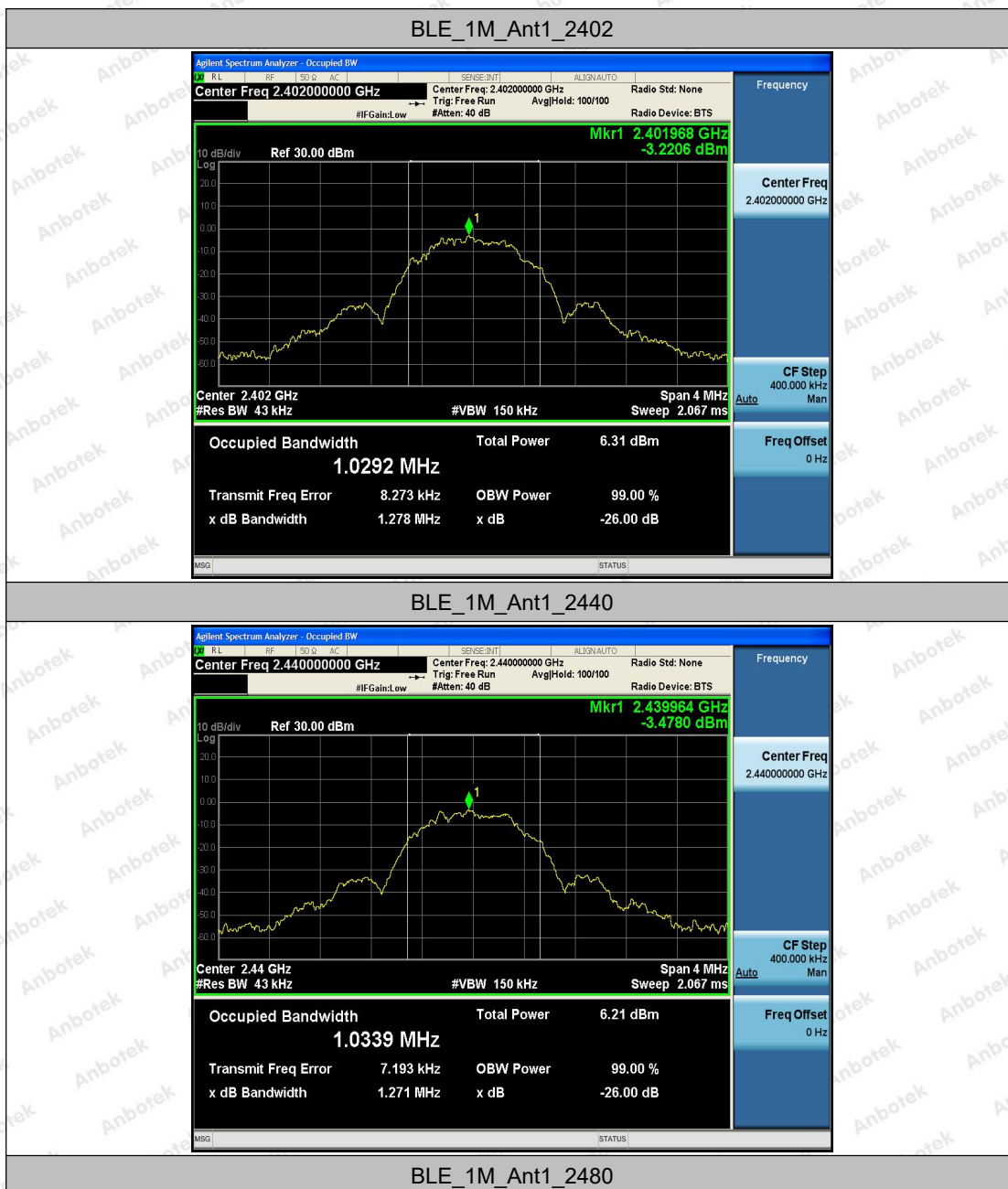
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Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0292	2401.494	2402.523	---	PASS
		2440	1.0339	2439.490	2440.524	---	PASS
		2480	1.0278	2479.494	2480.522	---	PASS

Test Graphs



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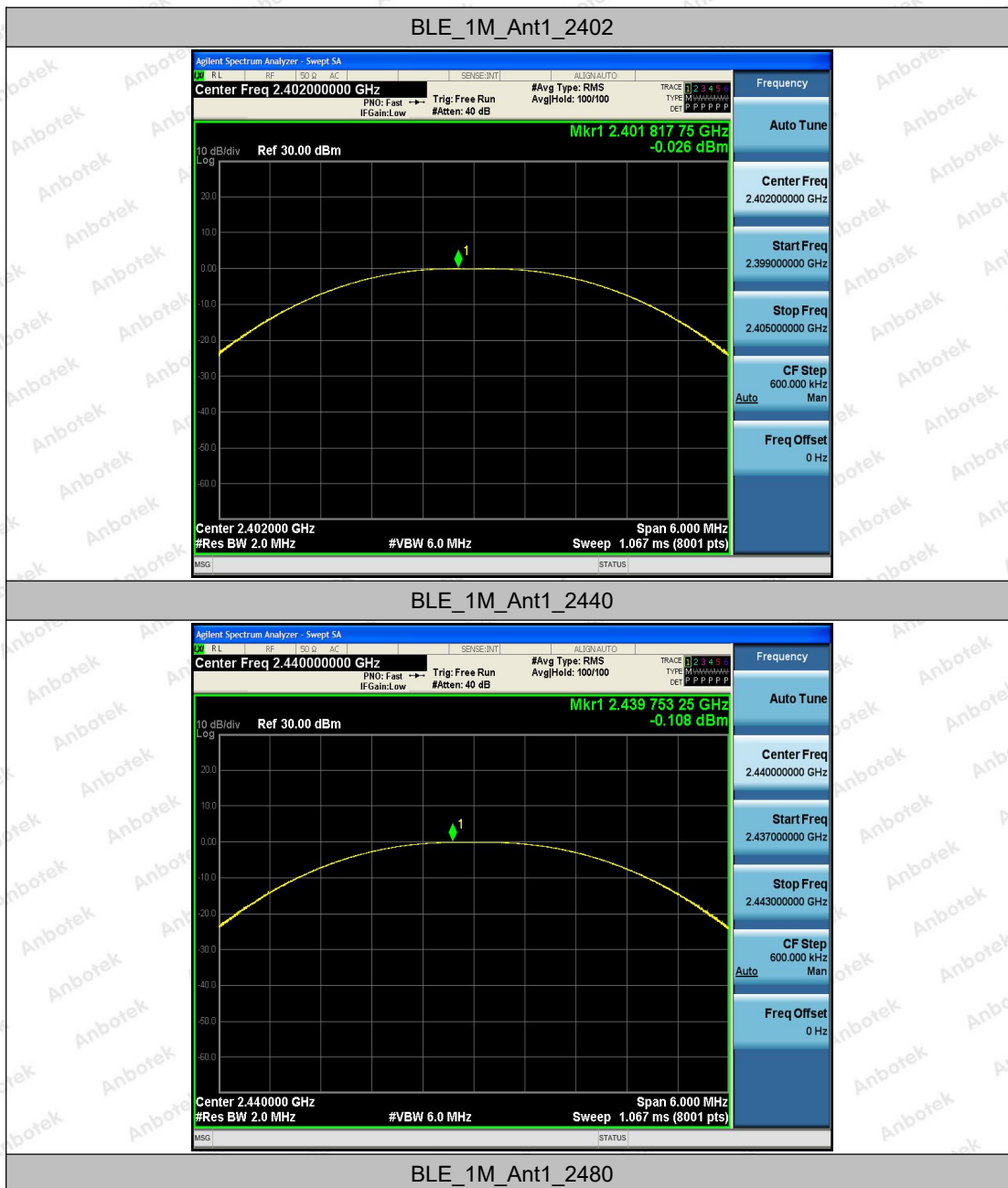
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Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.03	≤30	PASS
		2440	-0.11	≤30	PASS
		2480	0.45	≤30	PASS

Test Graphs

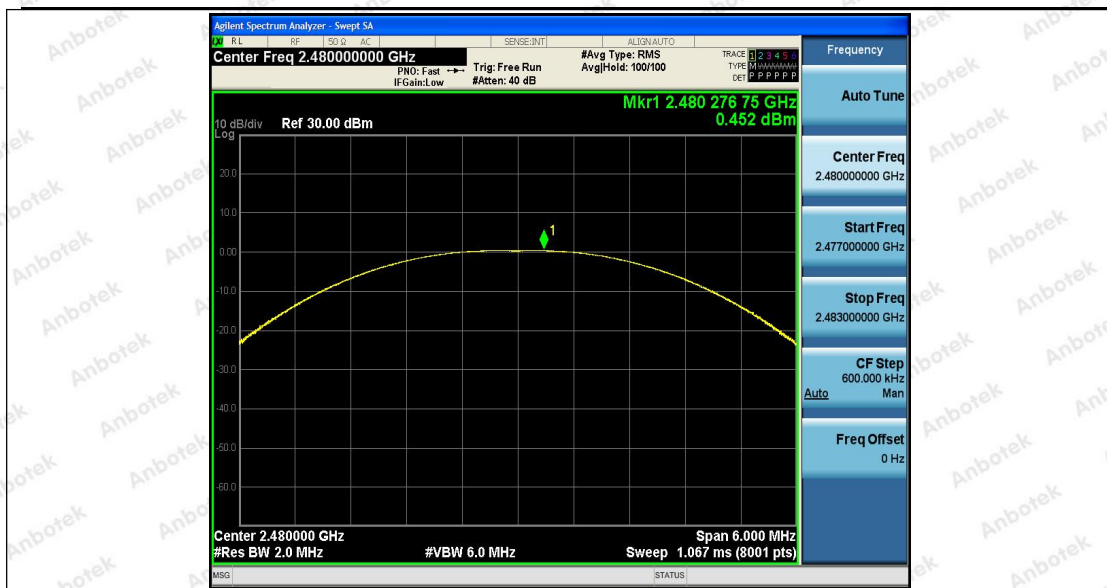


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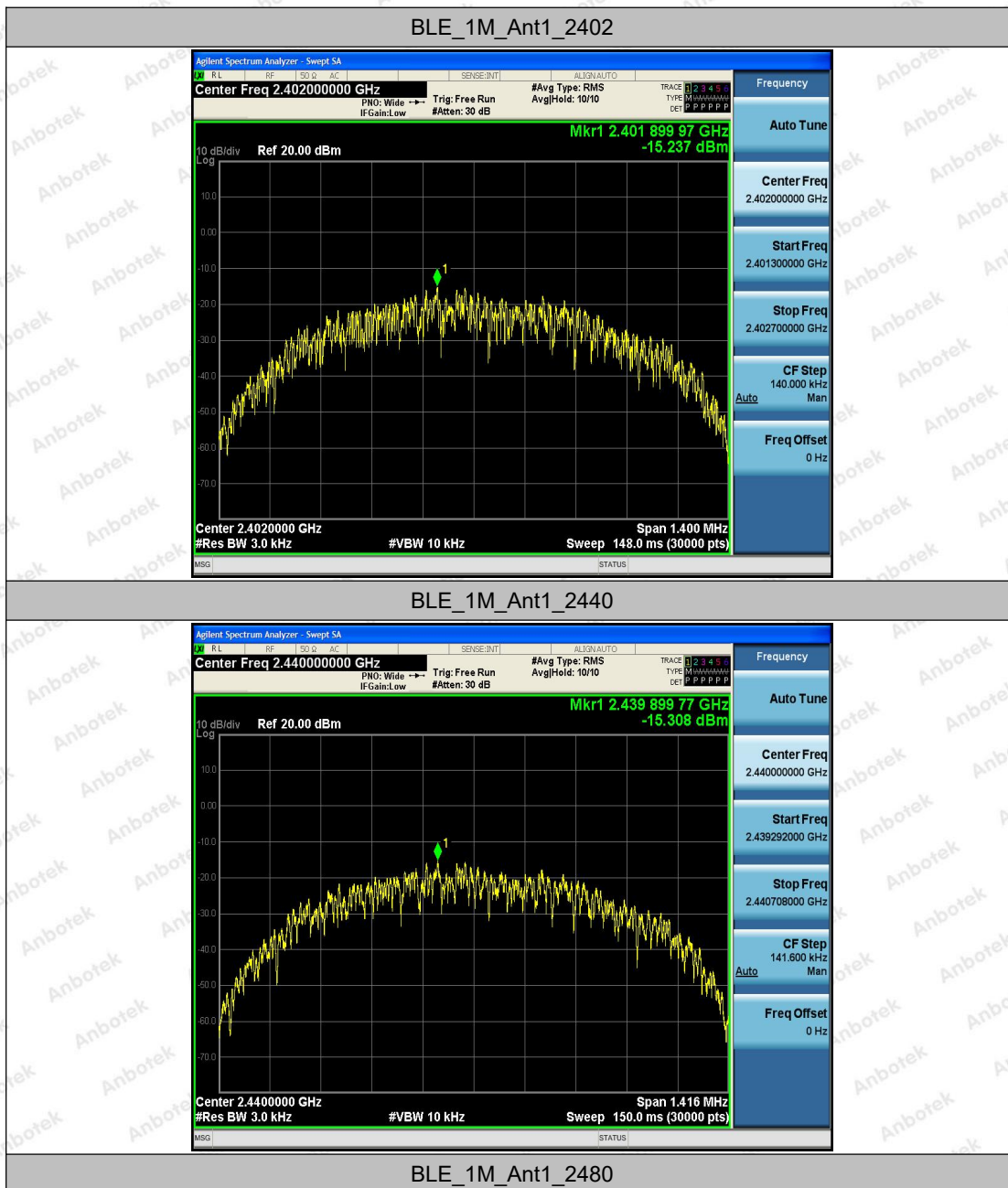
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Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.24	≤8	PASS
		2440	-15.31	≤8	PASS
		2480	-15.03	≤8	PASS

Test Graphs

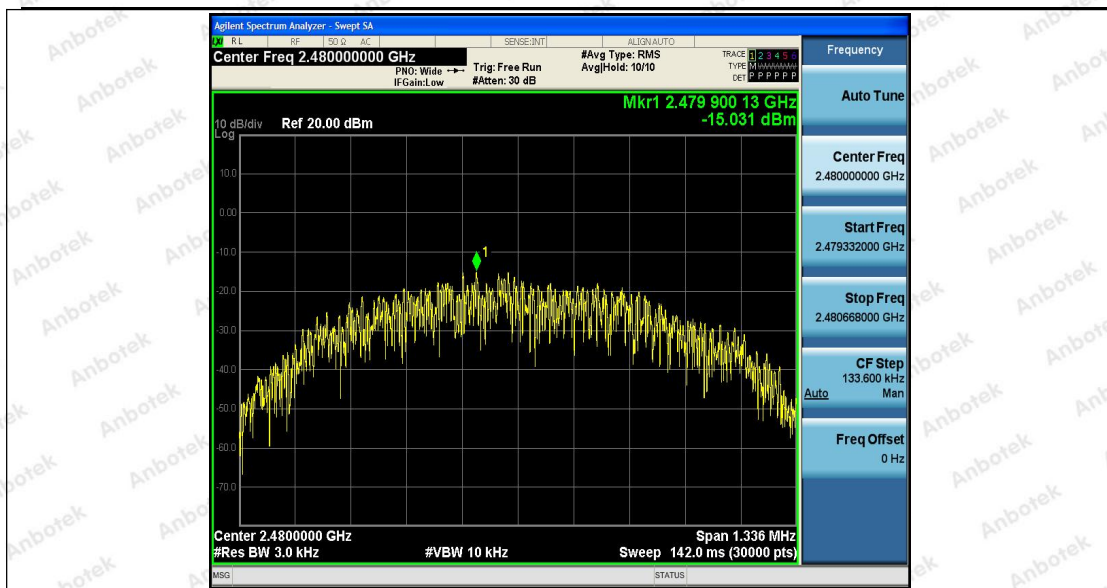


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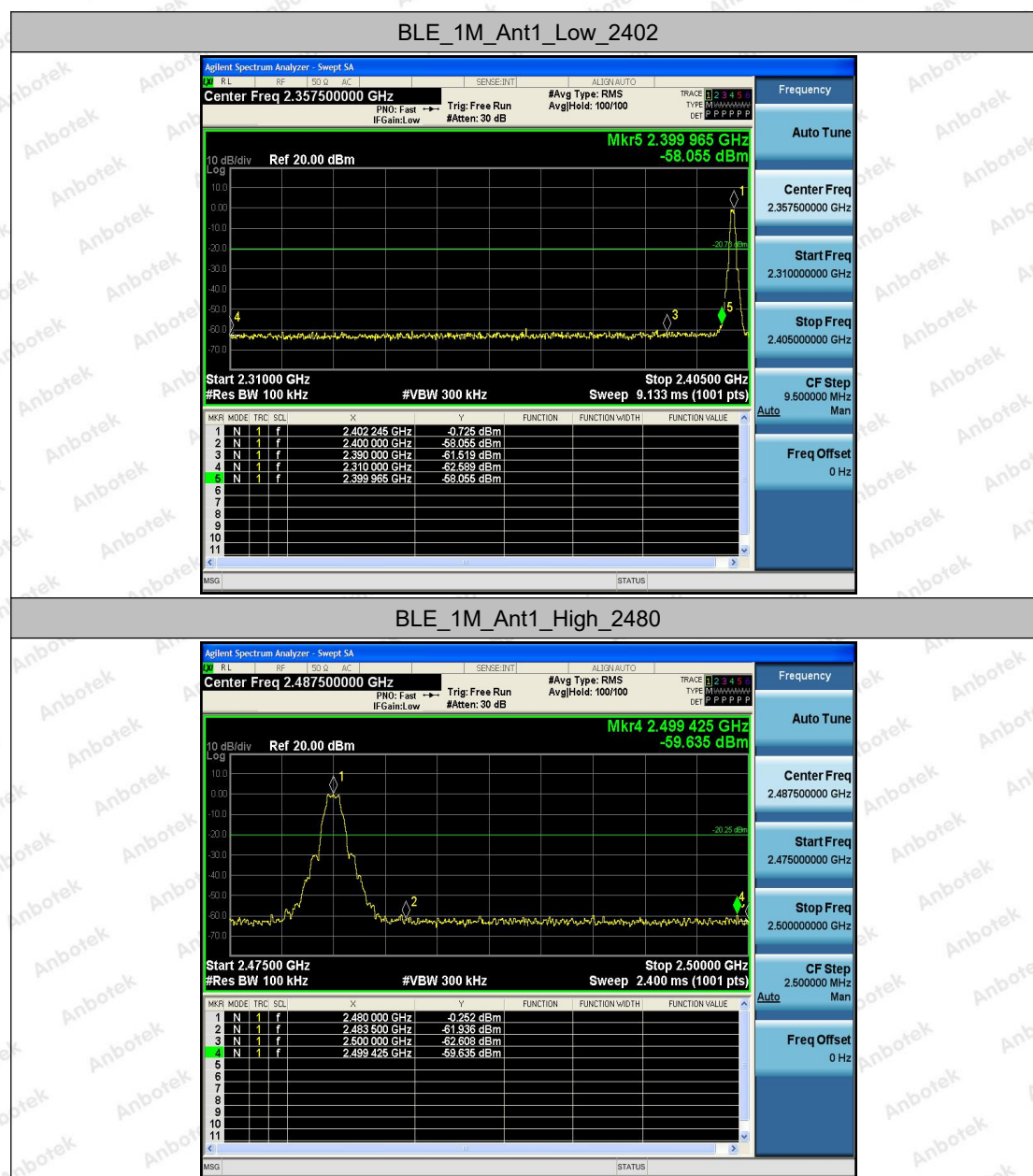
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch Name	Channel	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.73	-58.06	≤-20.73	PASS
		High	2480	-0.25	-59.64	≤-20.25	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

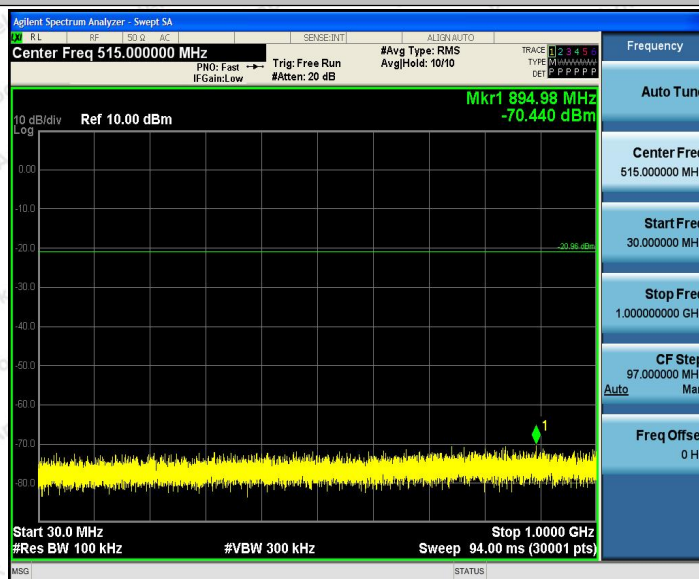
Test Mode	Antenna	Channel	Freq Range [MHz]	Ref Level [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-0.96	-0.96	---	PASS
			30~1000	-0.96	-70.44	≤-20.96	PASS
			1000~26500	-0.96	-55.64	≤-20.96	PASS
		2440	Reference	-1.04	-1.04	---	PASS
			30~1000	-1.04	-70.65	≤-21.04	PASS
			1000~26500	-1.04	-55.02	≤-21.04	PASS
		2480	Reference	-0.60	-0.60	---	PASS
			30~1000	-0.60	-69.59	≤-20.6	PASS
			1000~26500	-0.60	-55.21	≤-20.6	PASS

Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



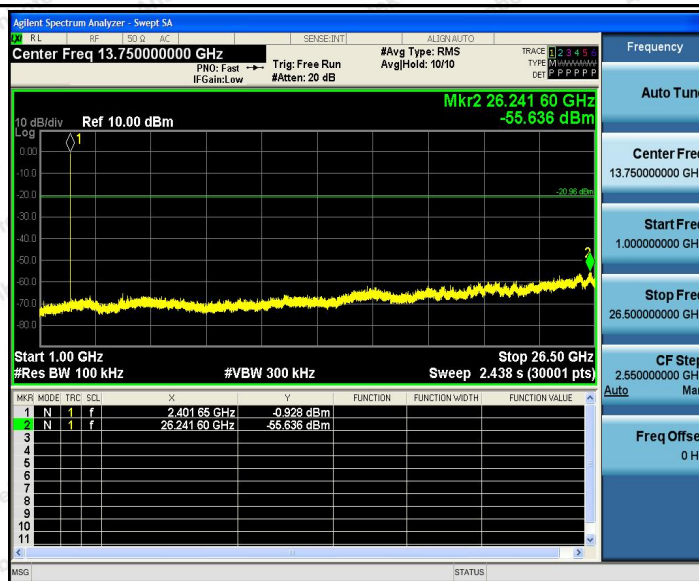
BLE_1M_Ant1_2402_1000~26500

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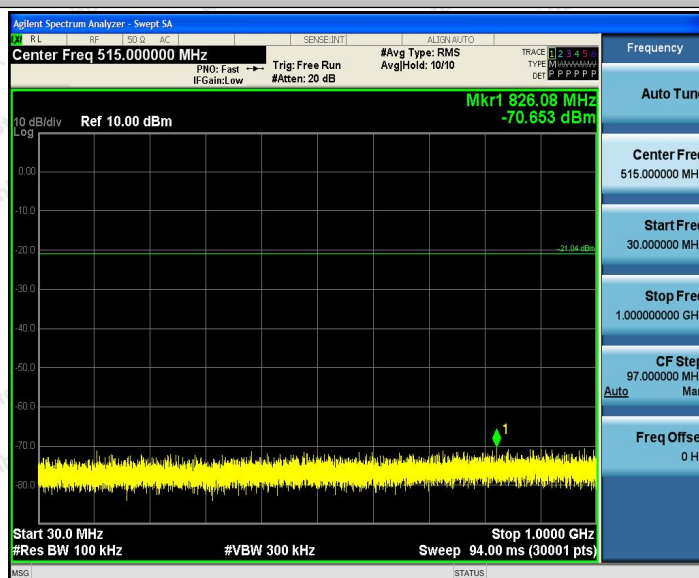
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



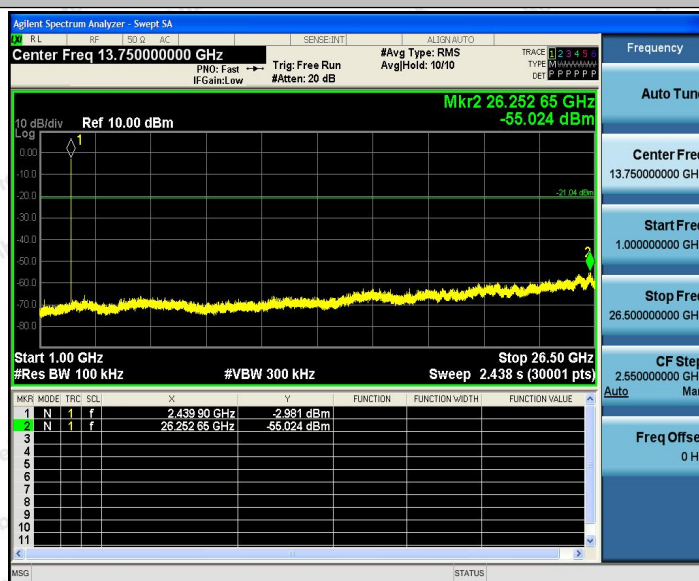
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



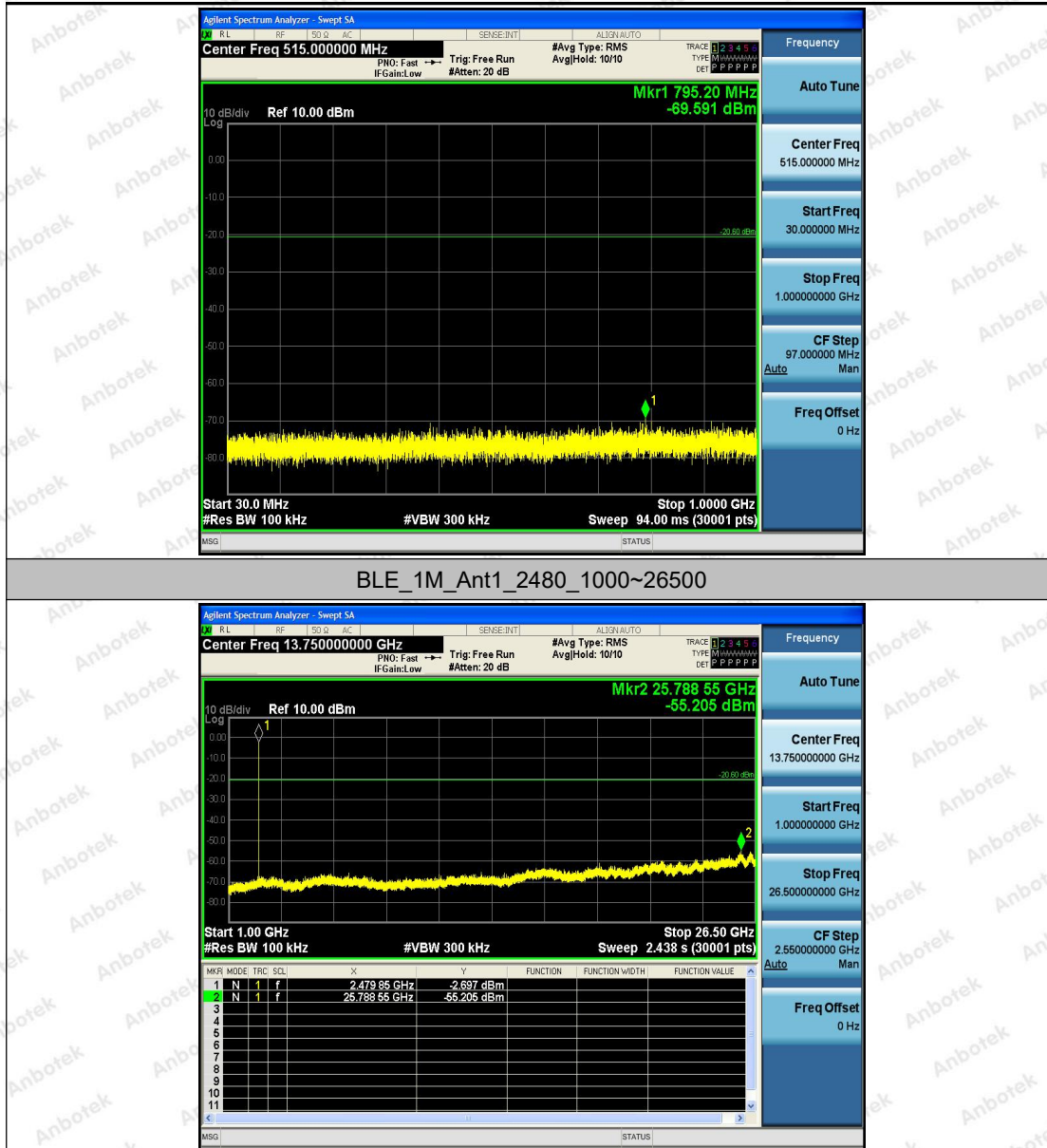
BLE_1M_Ant1_2480_30~1000

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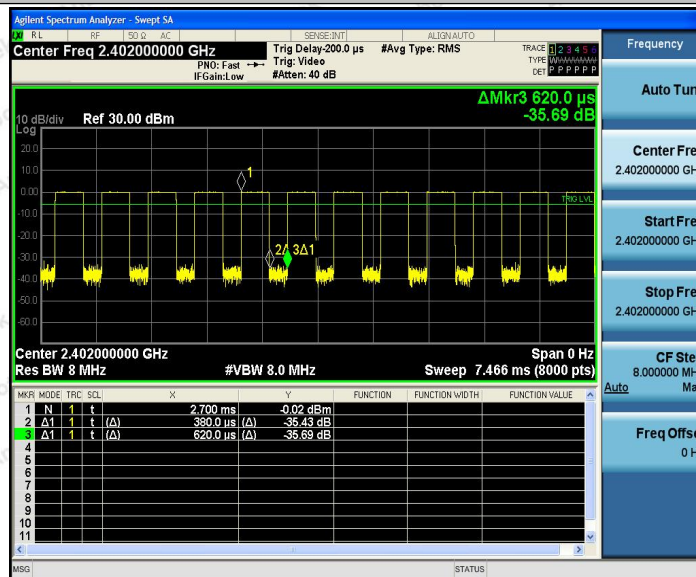
Appendix G: Duty Cycle

Test Result

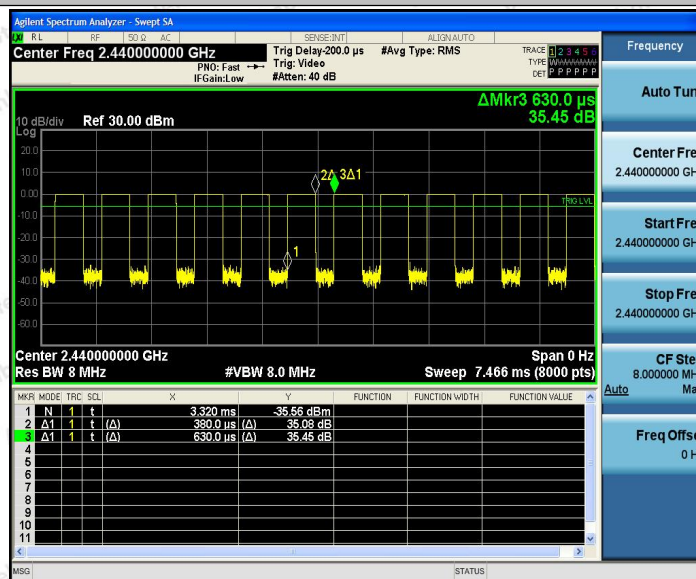
Test Mode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	X Factor	Limit	Verdict
BLE_1M	Ant1	2402	0.38	0.62	0.6129	61.29	2.13	---	PASS
		2440	0.38	0.63	0.6032	60.32	2.20	---	PASS
		2480	0.38	0.62	0.6129	61.29	2.13	---	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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