

Appendix Test Data

Report No.:	18220WC20020102	Test Sample No.:	1-2-2
Start Test Date:	2022.2.16	Finish Test Date:	2022.2.22
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	Relative Humidity:	55 %
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	0.676	2401.664	2402.340	≥0.5	PASS
		2440	0.704	2439.640	2440.344	≥0.5	PASS
		2480	0.704	2479.636	2480.340	≥0.5	PASS



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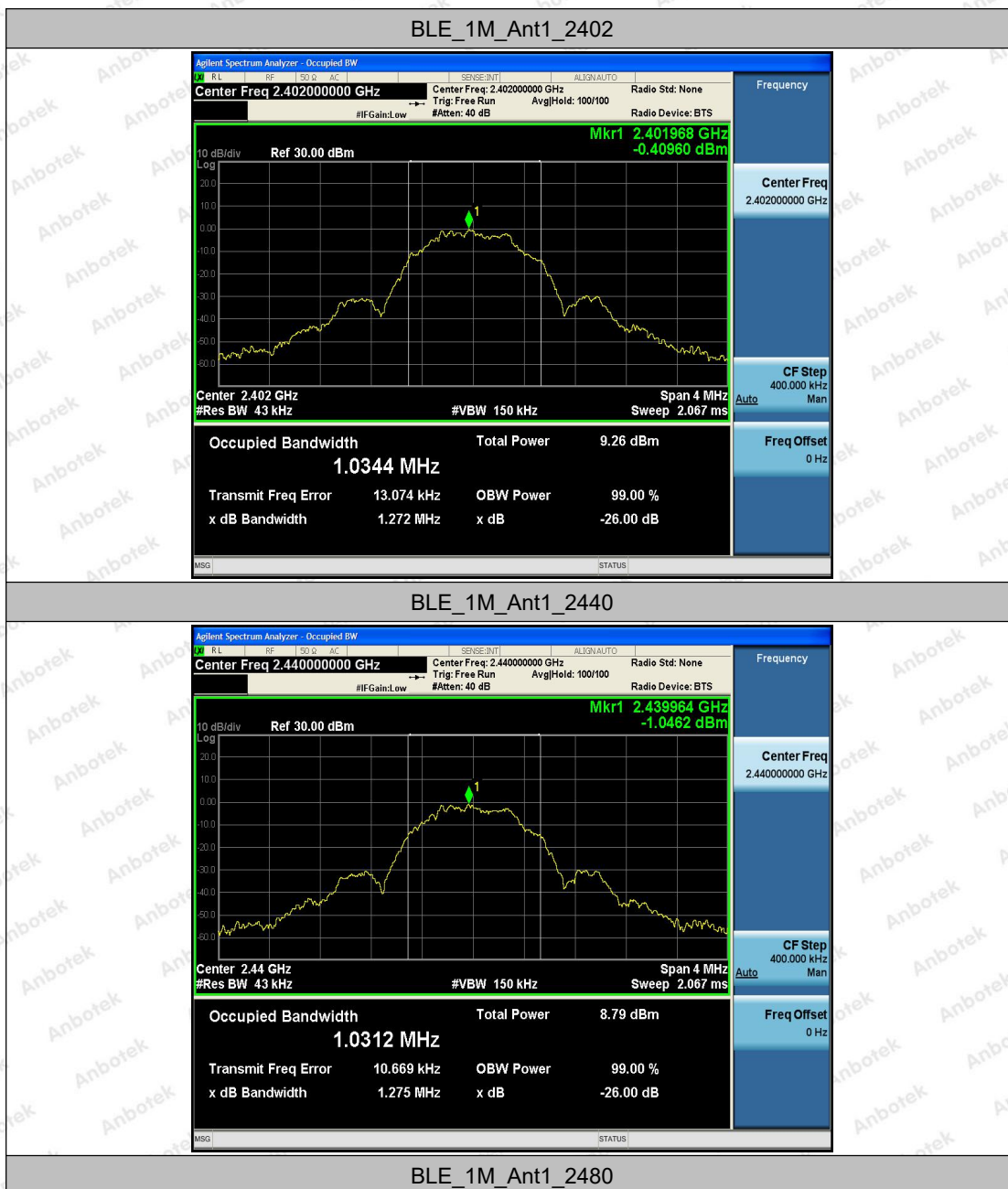
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0344	2401.496	2402.530	---	PASS
		2440	1.0312	2439.495	2440.526	---	PASS
		2480	1.0279	2479.499	2480.527	---	PASS

Test Graphs



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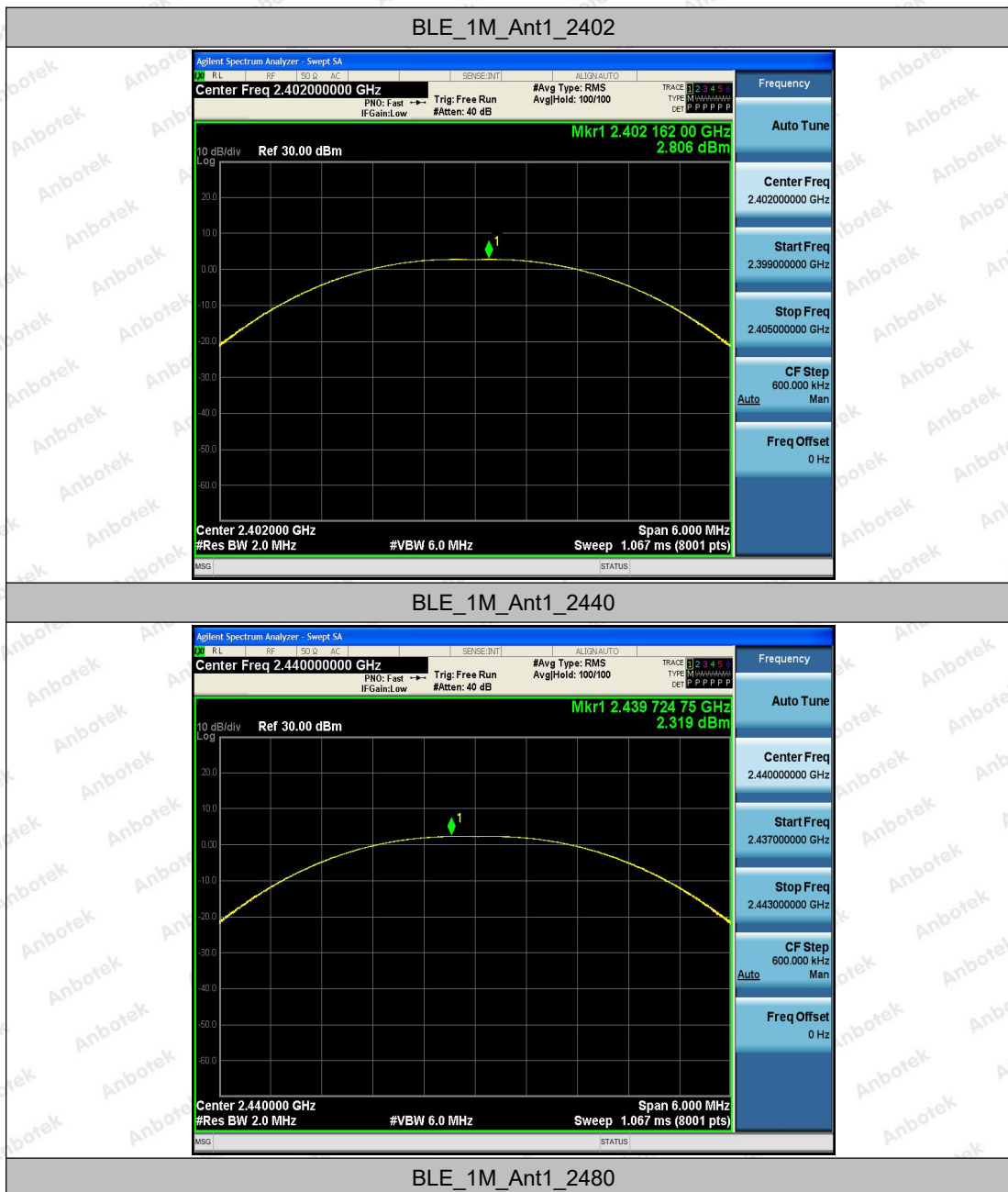
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.81	≤30	PASS
		2440	2.32	≤30	PASS
		2480	3.24	≤30	PASS

Test Graphs



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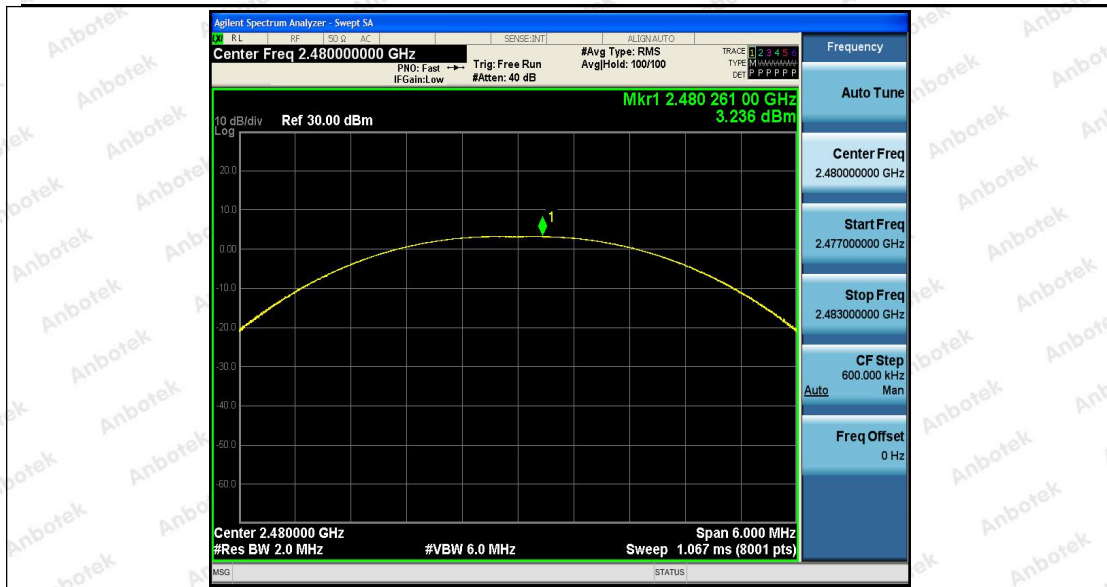
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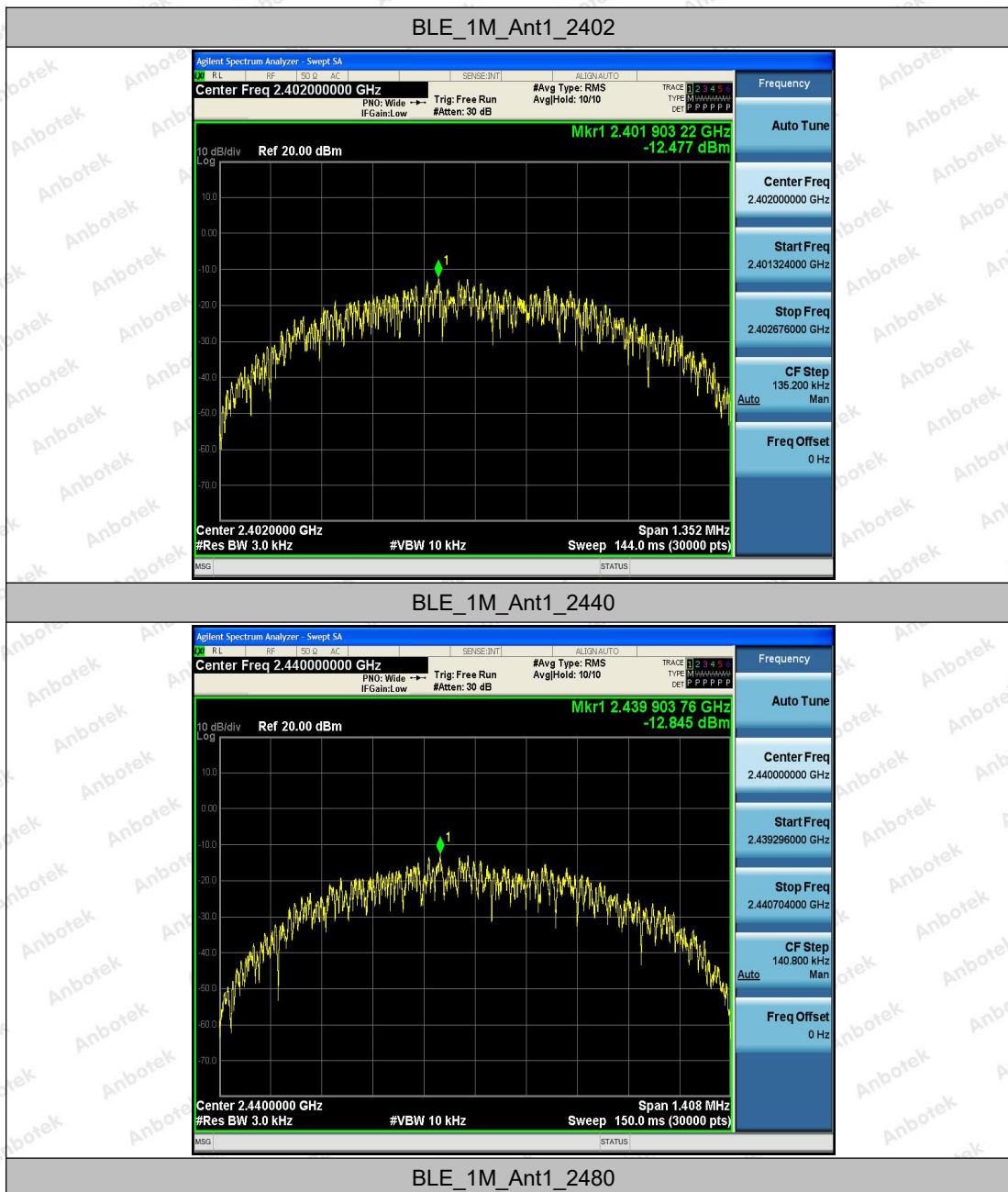
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.48	≤8	PASS
		2440	-12.85	≤8	PASS
		2480	-11.95	≤8	PASS

Test Graphs

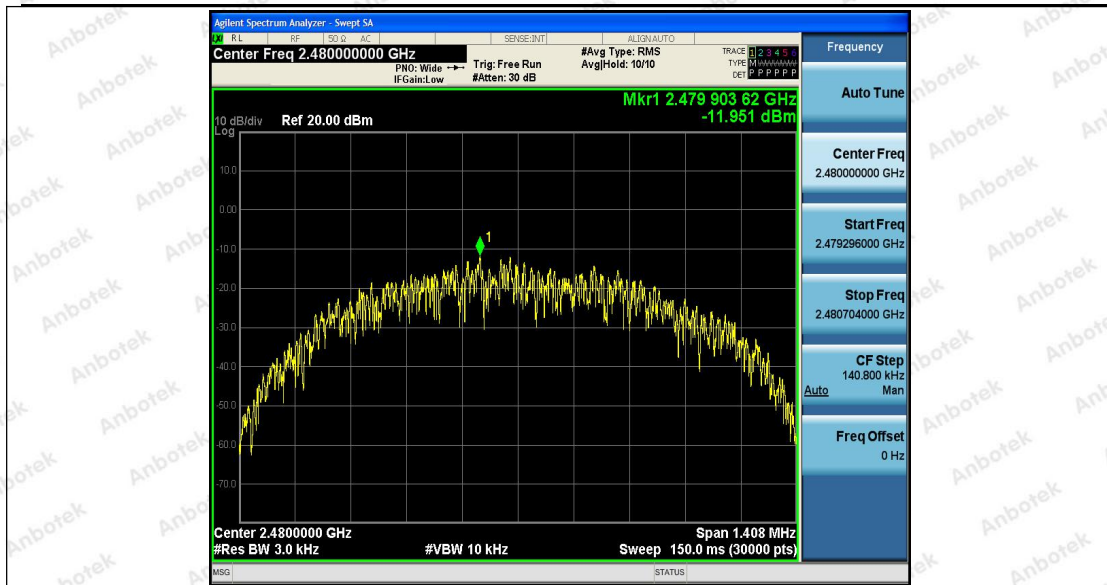


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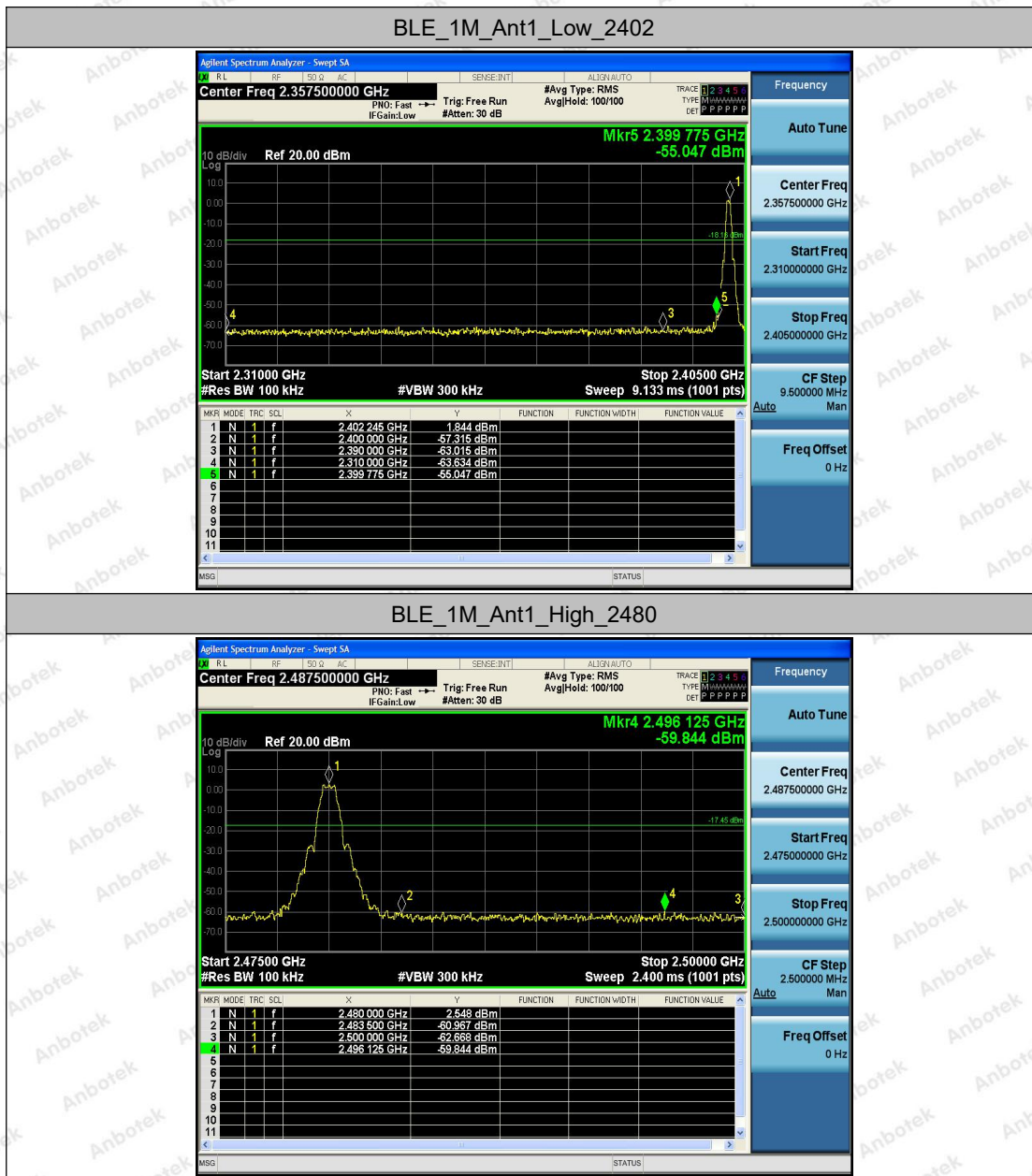
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.84	-55.05	≤ -18.16	PASS
		High	2480	2.55	-59.84	≤ -17.45	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

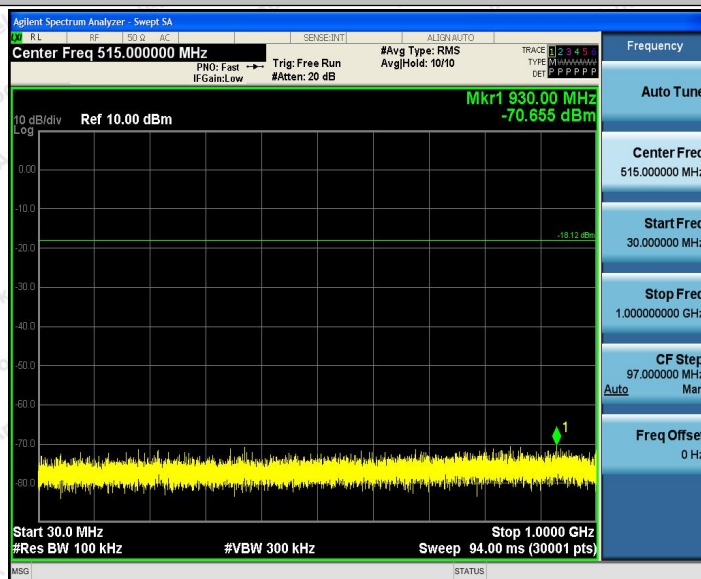
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	1.88	1.88	---	PASS
			30~1000	1.88	-70.66	≤-18.12	PASS
			1000~265 00	1.88	-56.11	≤-18.12	PASS
		2440	Reference	1.40	1.40	---	PASS
			30~1000	1.40	-71.09	≤-18.61	PASS
			1000~265 00	1.40	-55.72	≤-18.61	PASS
		2480	Reference	2.15	2.15	---	PASS
			30~1000	2.15	-70.62	≤-17.85	PASS
			1000~265 00	2.15	-55.32	≤-17.85	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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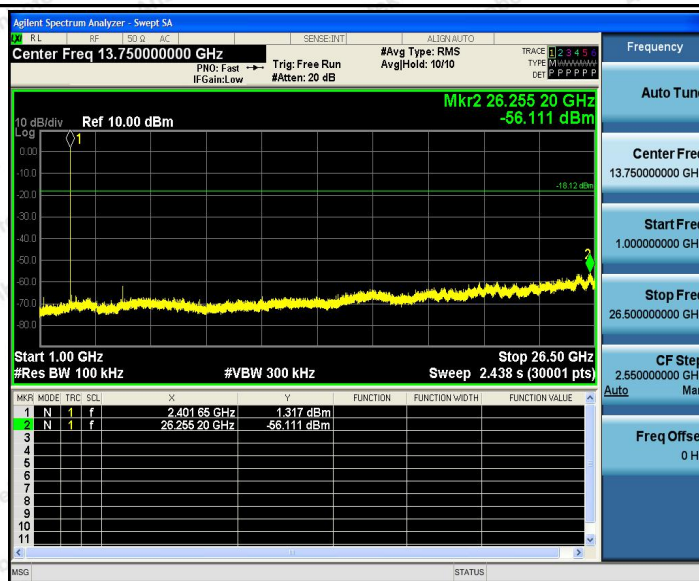
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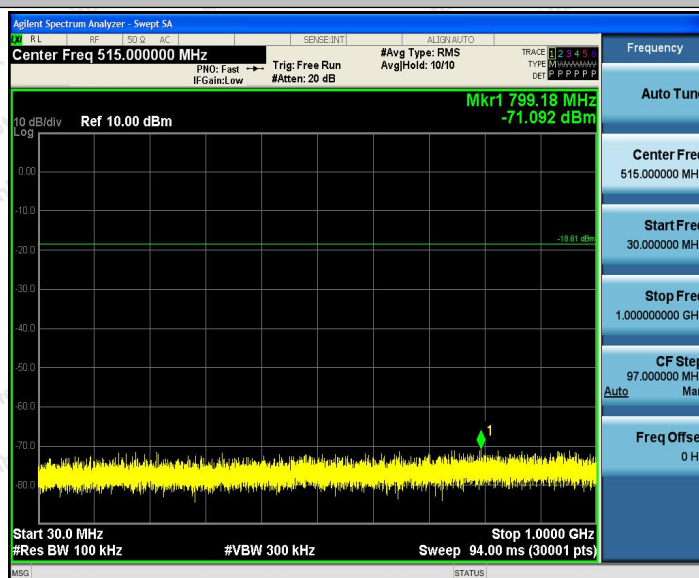
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



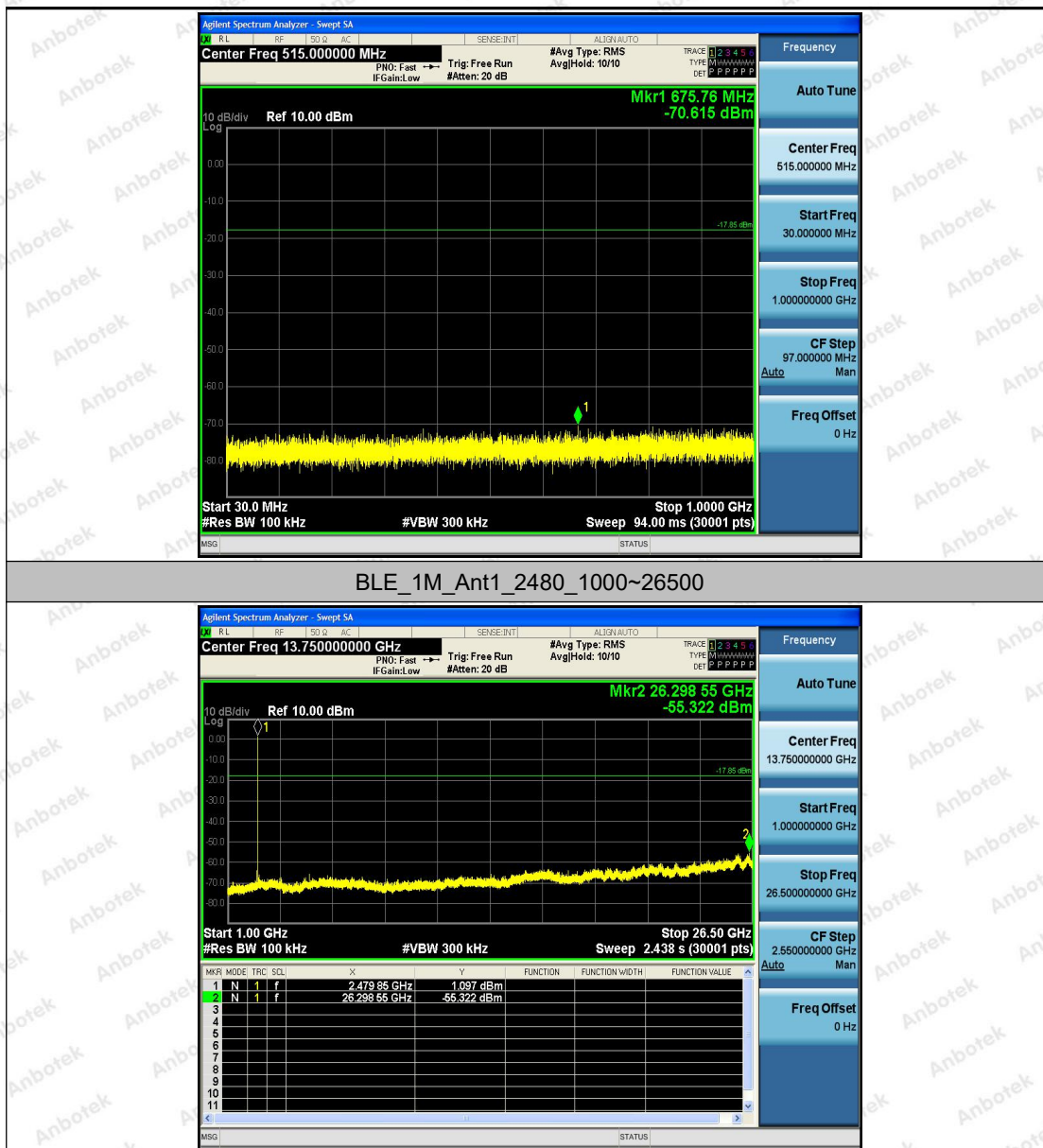
BLE_1M_Ant1_2480_30~1000

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Appendix G: Duty Cycle

Test Result

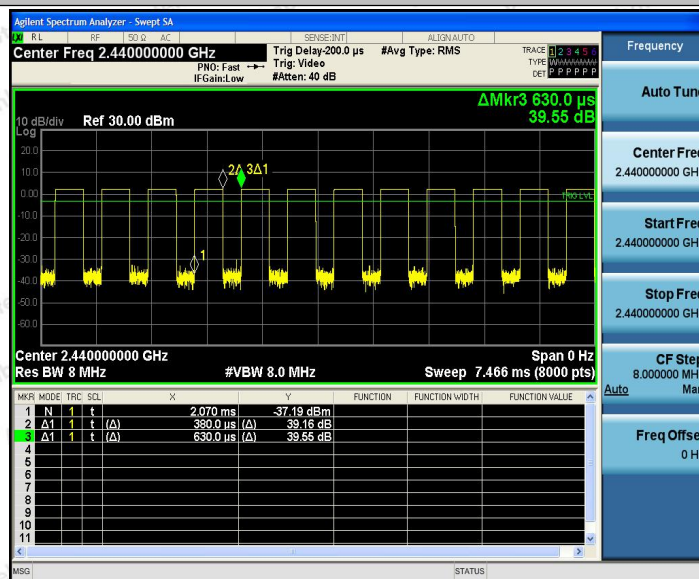
TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	0.38	0.62	0.612 9	61.29	2.13	---	PASS
		2440	0.38	0.63	0.603 2	60.32	2.20	---	PASS
		2480	0.38	0.62	0.612 9	61.29	2.13	---	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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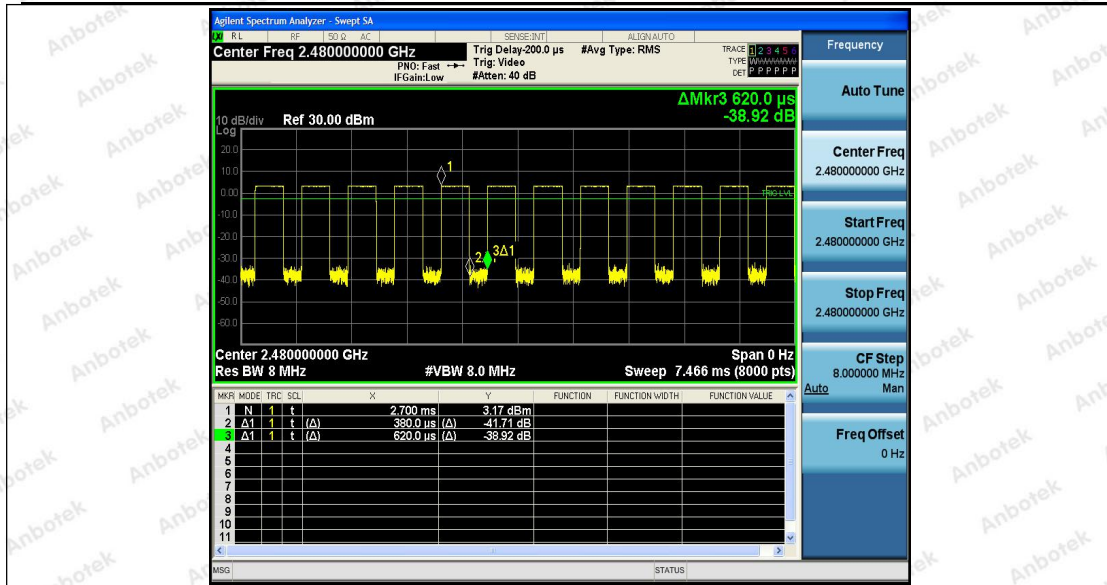
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