

Appendix Test Data

Report No.:	18220WC20018402	Test Sample No.:	1-2-2
Start Test Date:	2022.2.15	Finish Test Date:	2022.2.18
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	Relative Humidity:	55.7 %
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	0.708	2401.644	2402.352	≥0.5	PASS
		2440	0.688	2439.660	2440.348	≥0.5	PASS
		2480	0.700	2479.640	2480.340	≥0.5	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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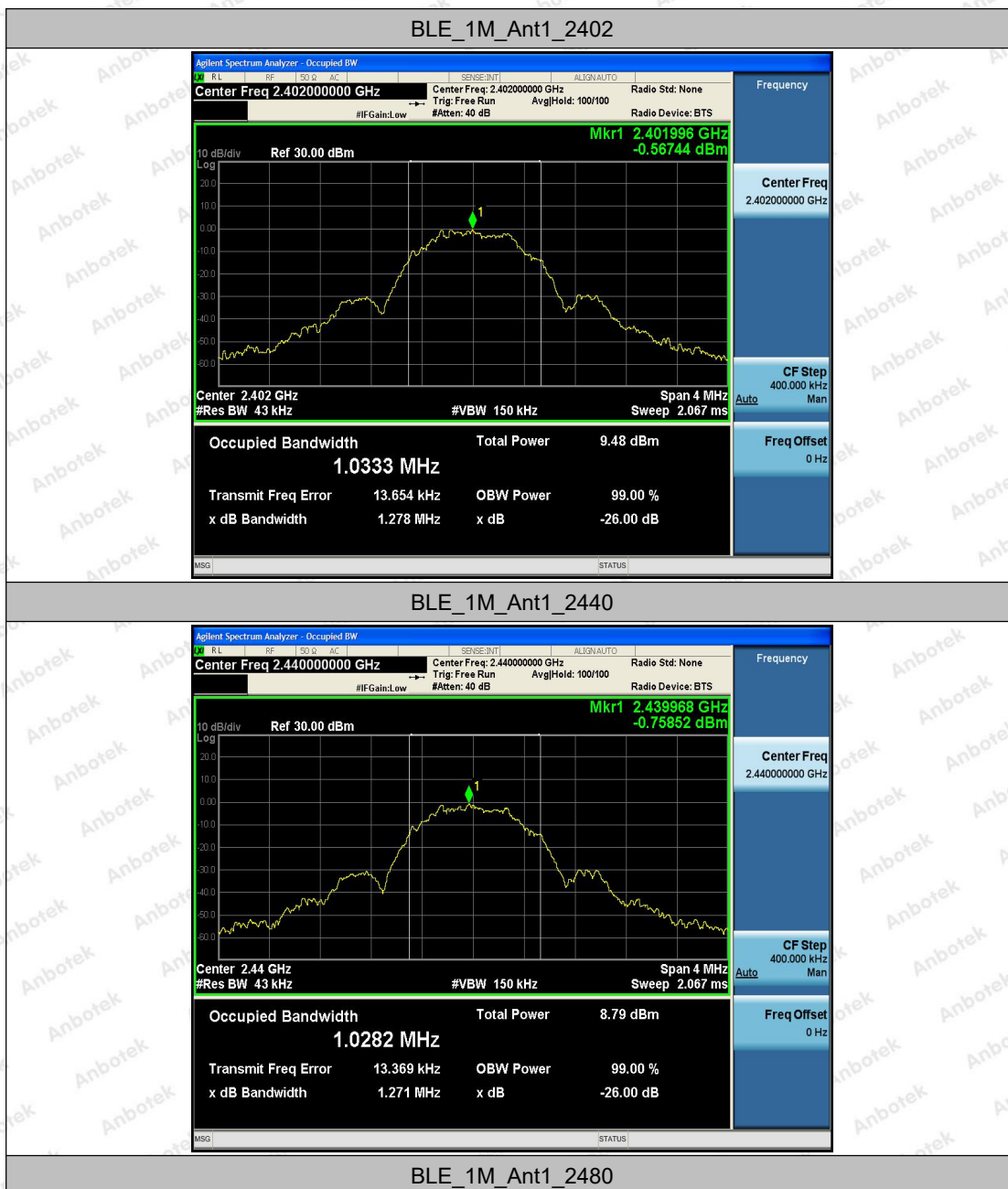
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0333	2401.497	2402.530	---	PASS
		2440	1.0282	2439.499	2440.527	---	PASS
		2480	1.0222	2479.499	2480.521	---	PASS

Test Graphs



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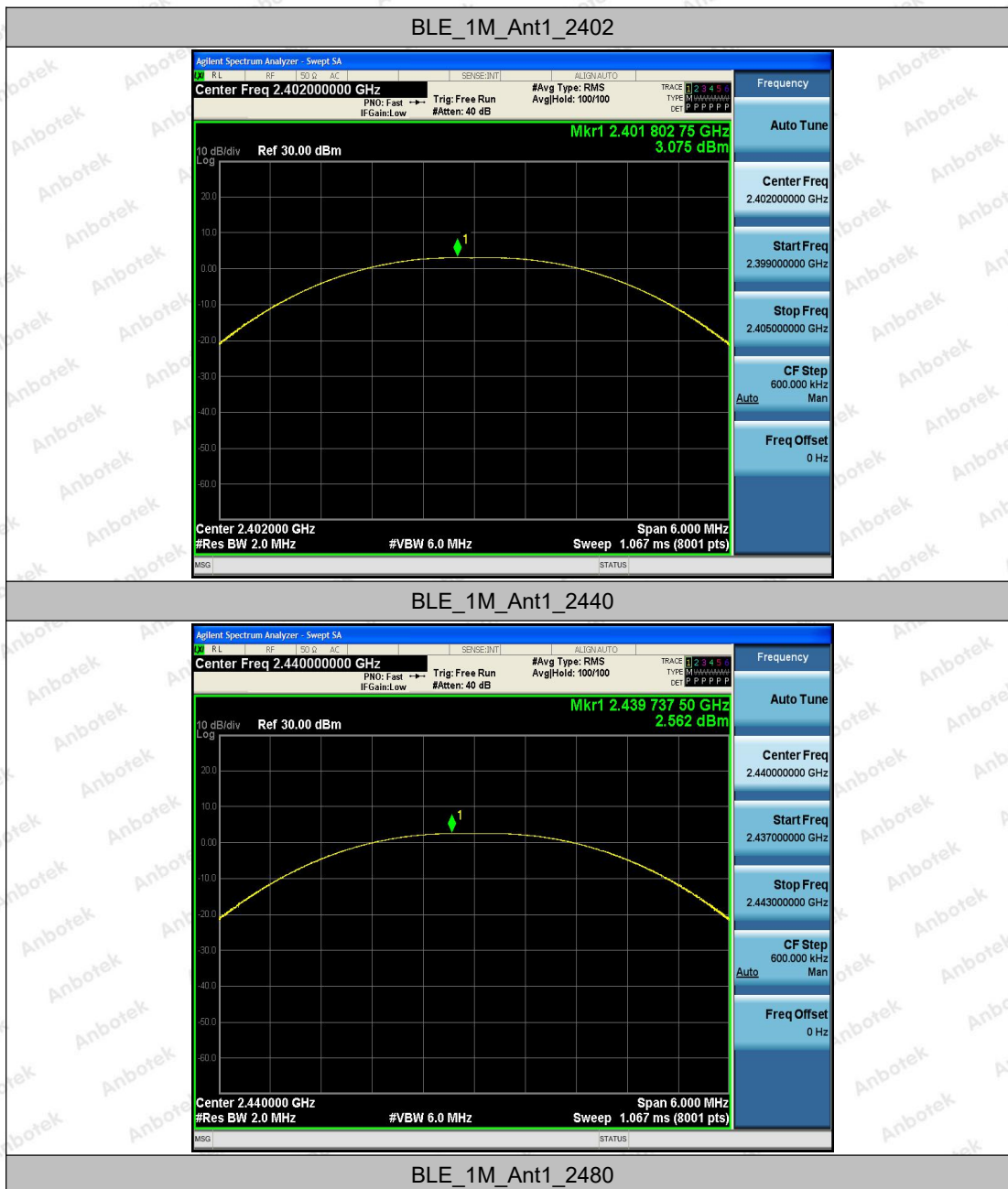
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	3.08	≤30	PASS
		2440	2.56	≤30	PASS
		2480	3.35	≤30	PASS

Test Graphs

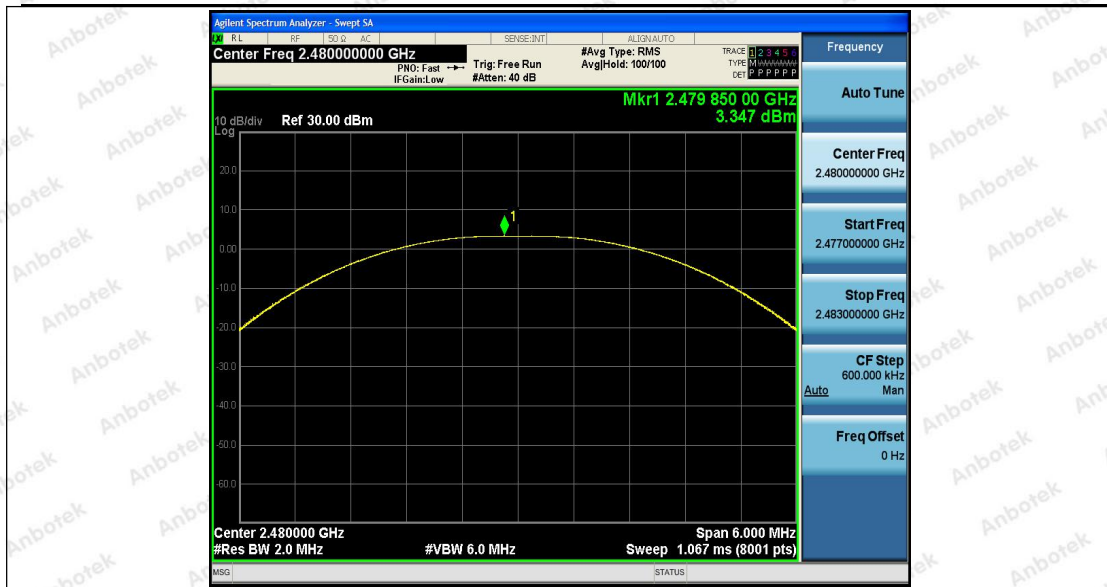


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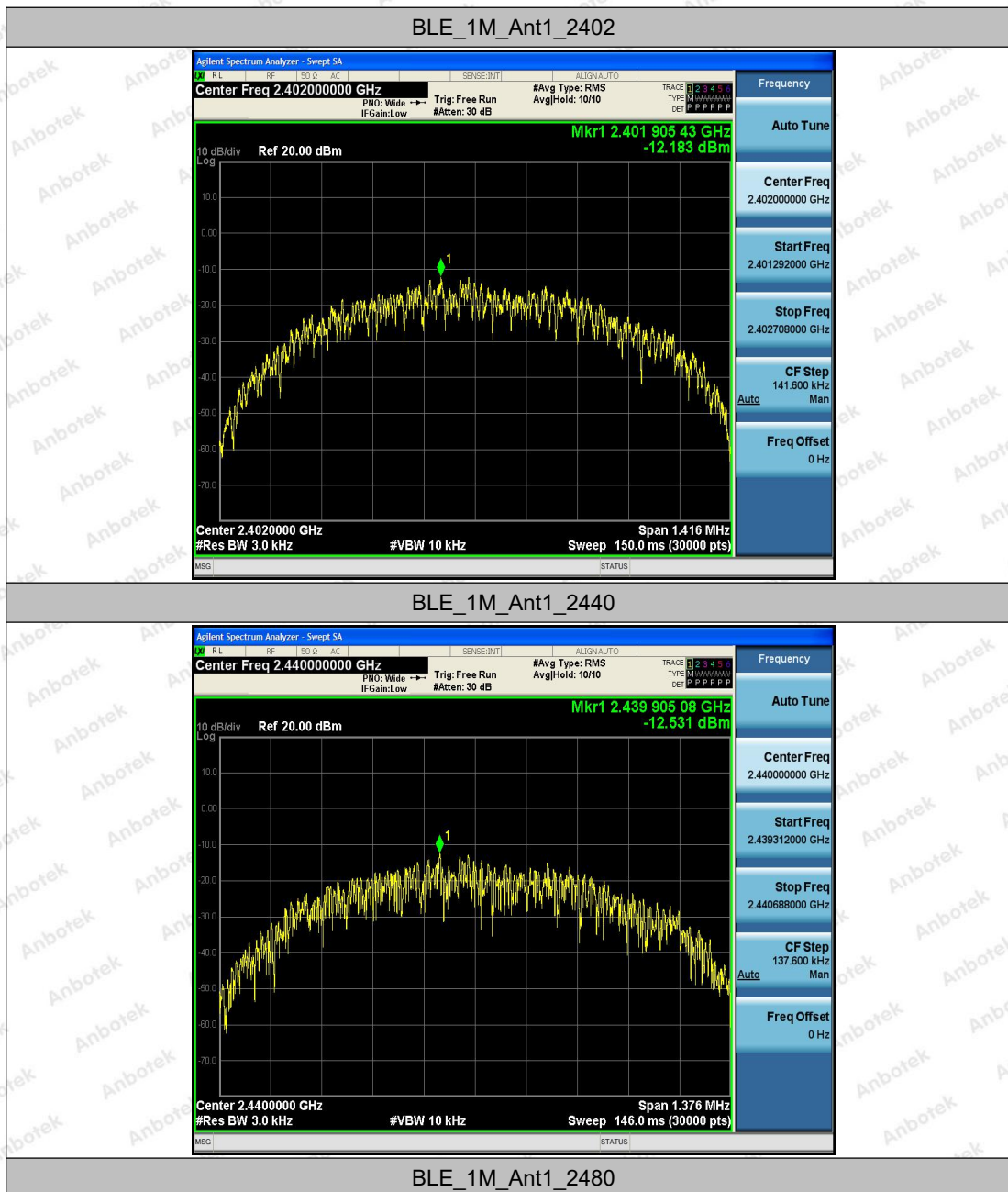
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.18	≤8	PASS
		2440	-12.53	≤8	PASS
		2480	-11.97	≤8	PASS

Test Graphs

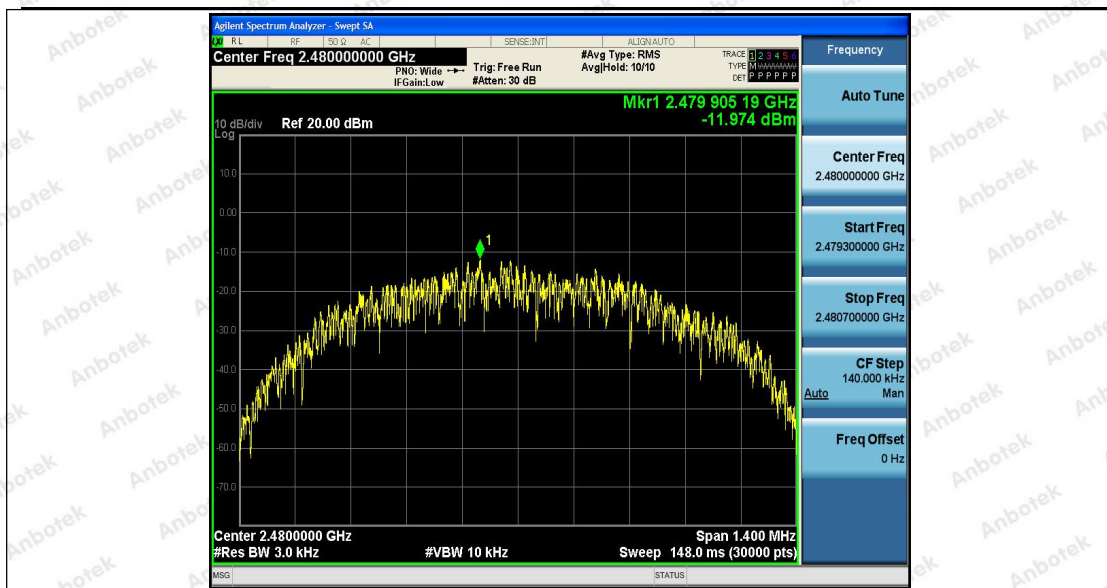


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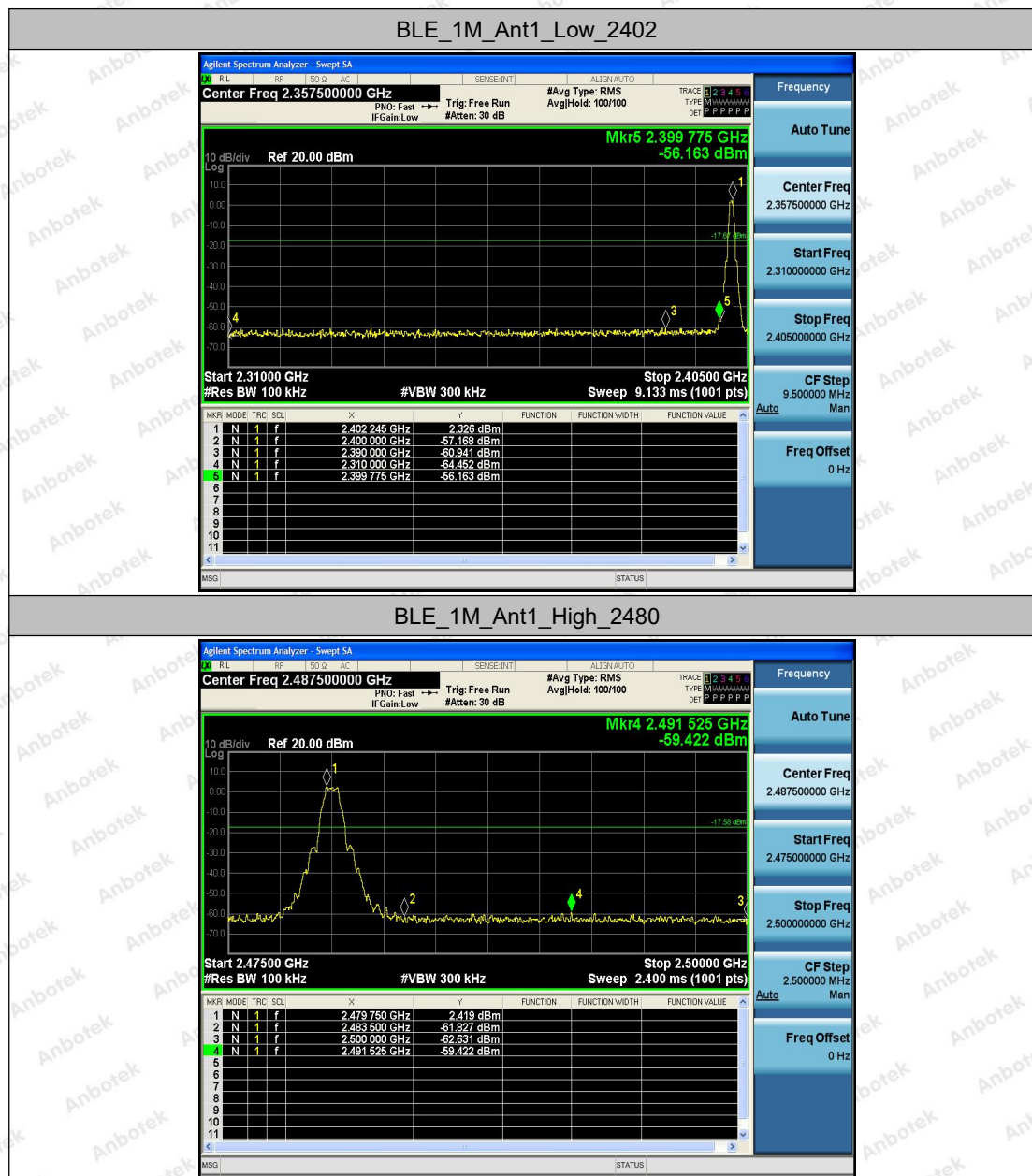
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	2.33	-56.16	≤ -17.67	PASS
		High	2480	2.42	-59.42	≤ -17.58	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

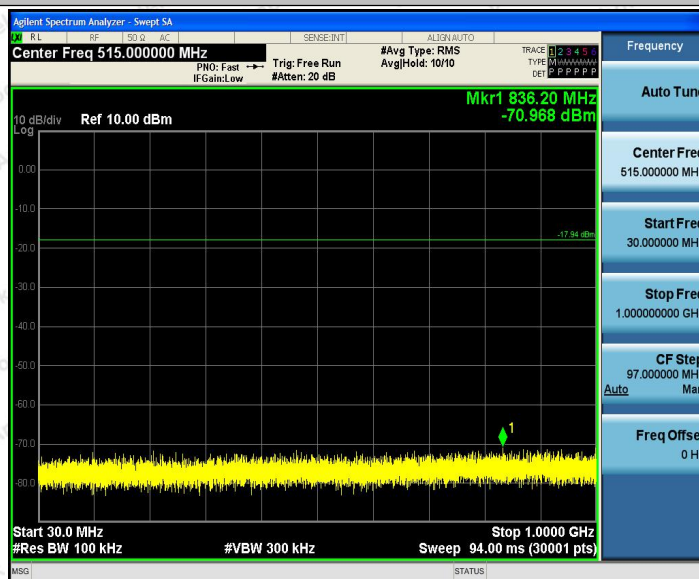
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	2.06	2.06	---	PASS
			30~1000	2.06	-70.97	≤-17.94	PASS
			1000~265 00	2.06	-55.82	≤-17.94	PASS
		2440	Reference	1.62	1.62	---	PASS
			30~1000	1.62	-65.63	≤-18.38	PASS
			1000~265 00	1.62	-55.19	≤-18.38	PASS
		2480	Reference	2.47	2.47	---	PASS
			30~1000	2.47	-70.61	≤-17.53	PASS
			1000~265 00	2.47	-55.41	≤-17.53	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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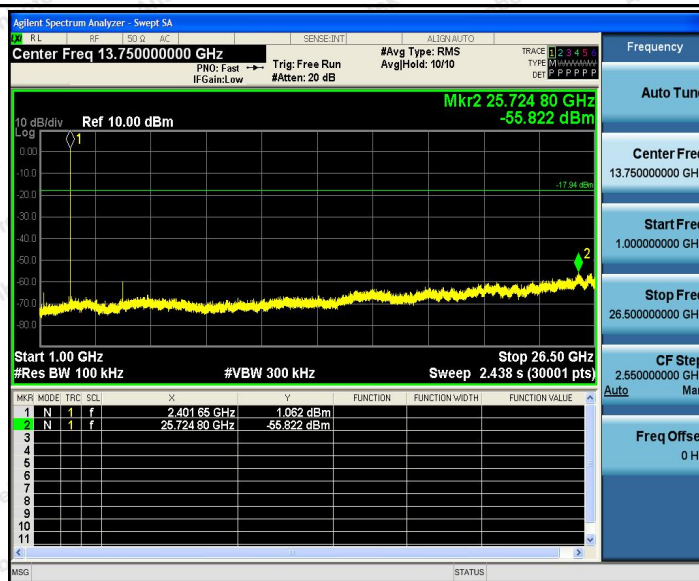
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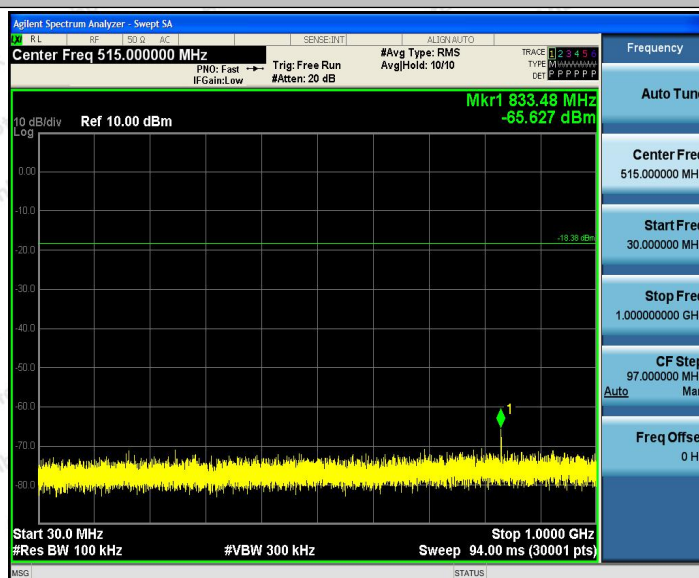
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



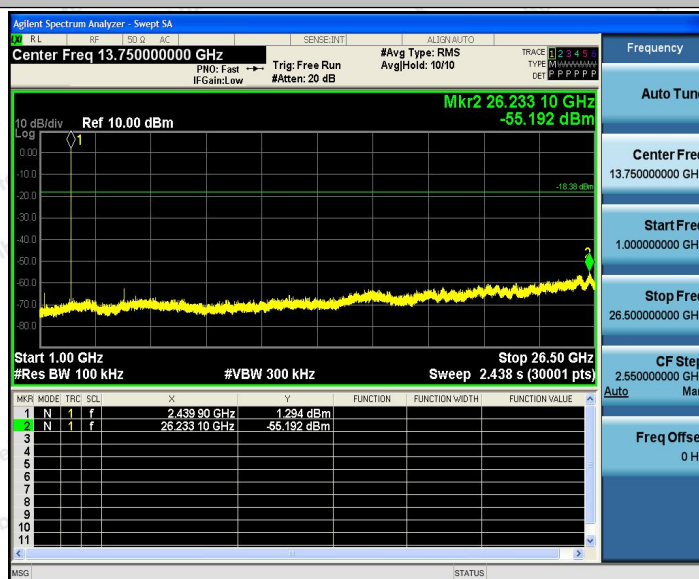
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



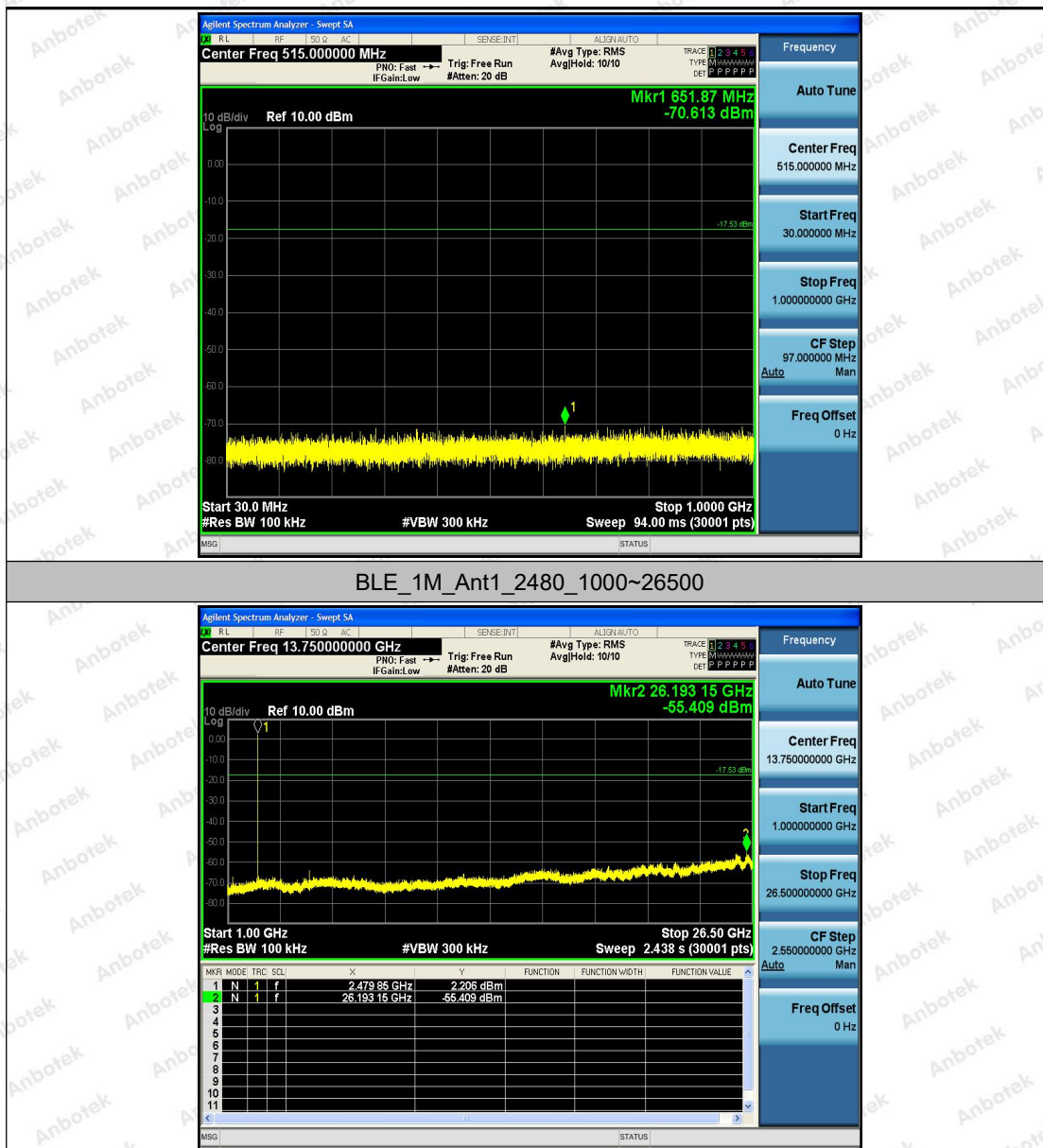
BLE_1M_Ant1_2480_30~1000

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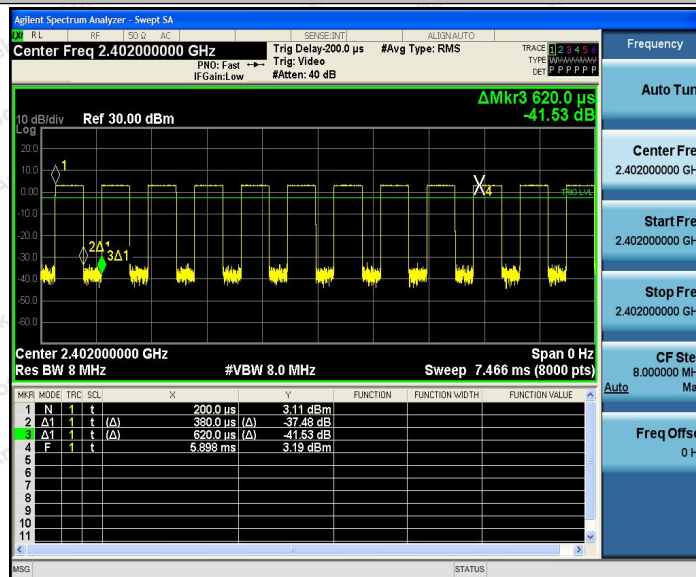
Appendix G: Duty Cycle

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	0.62	0.612 9	61.29	2.13	---	PASS
		2480	0.38	0.62	0.612 9	61.29	2.13	---	PASS

Test Graphs

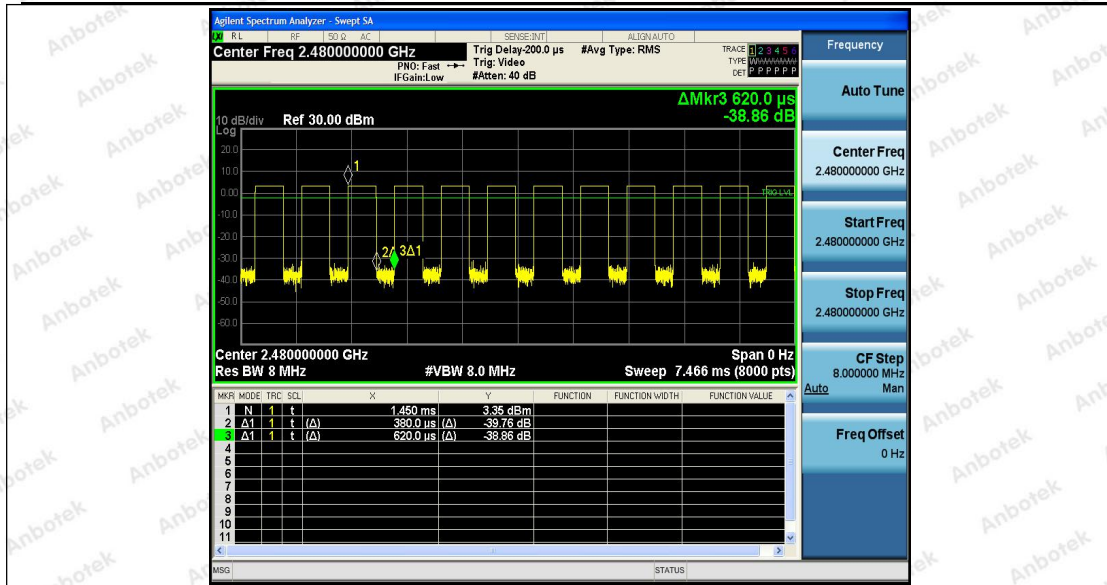
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



---End---