

Appendix Test Data

Report No.:	18220WC10224201	Test Date:	2021.10.20
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3C°	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	0.684	2401.652	2402.336	≥0.5	PASS
		2440	0.692	2439.656	2440.348	≥0.5	PASS
		2480	0.708	2479.636	2480.344	≥0.5	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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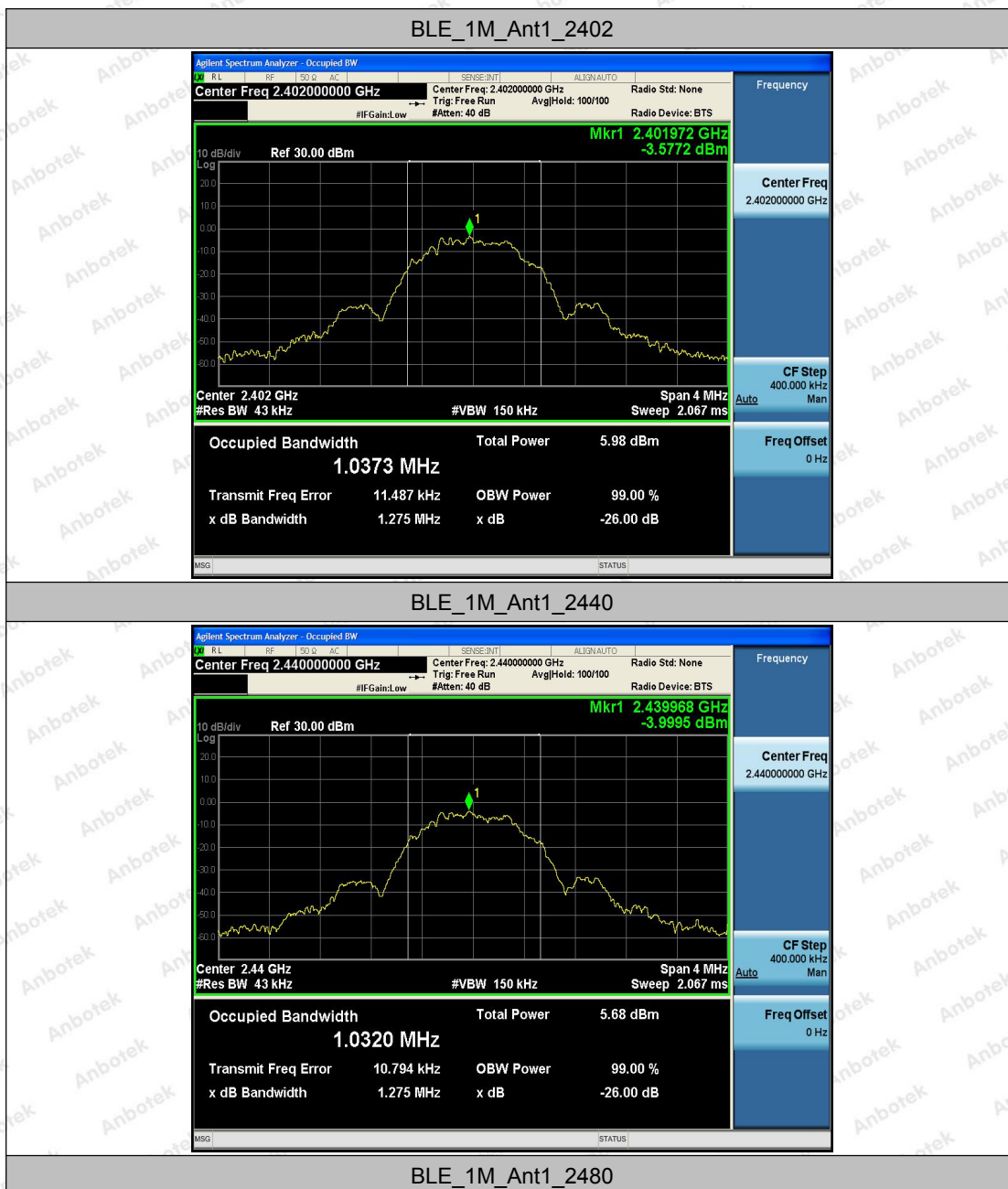
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0373	2401.493	2402.530	---	PASS
		2440	1.0320	2439.495	2440.527	---	PASS
		2480	1.0279	2479.497	2480.525	---	PASS

Test Graphs



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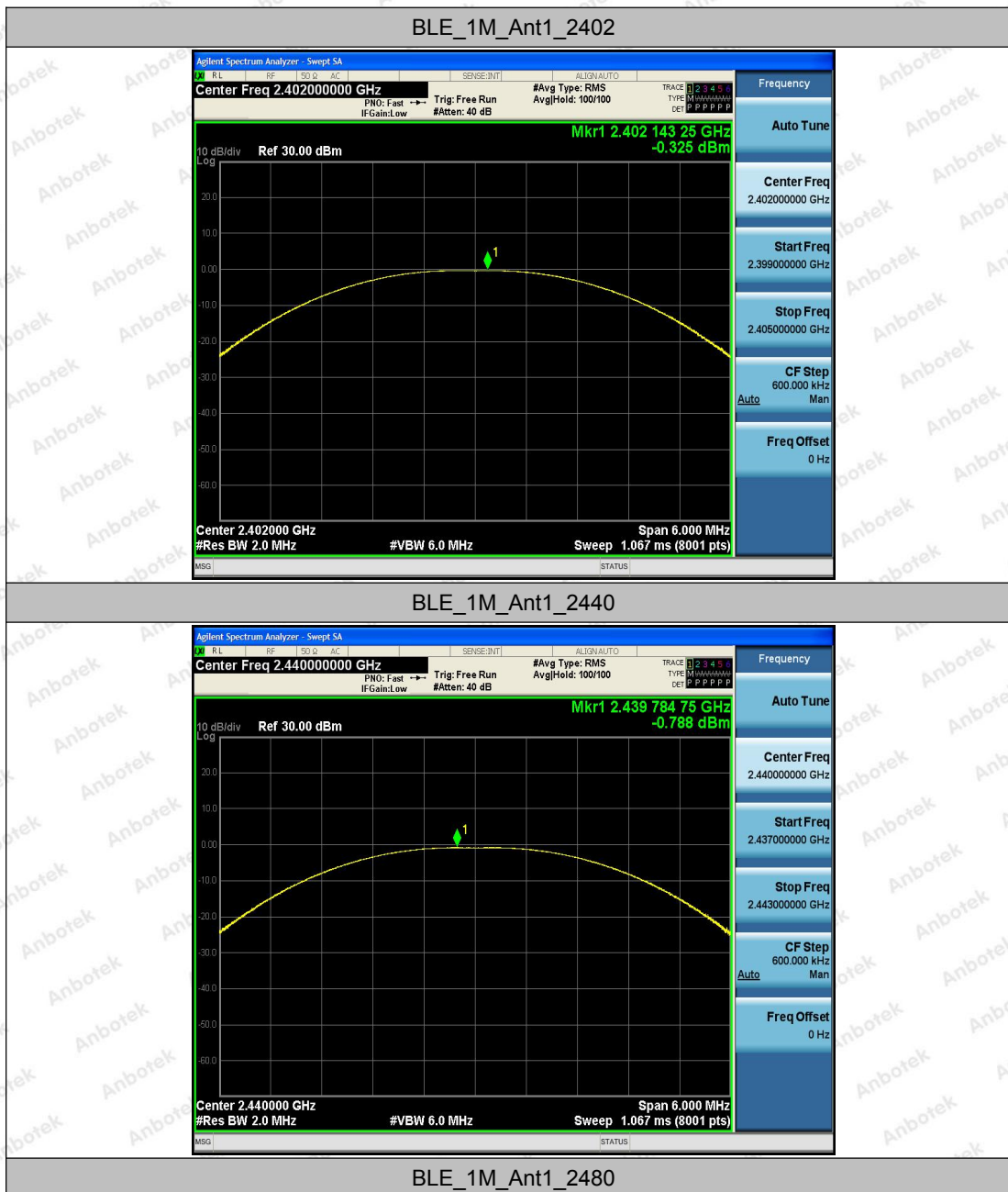
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.33	≤30	PASS
		2440	-0.79	≤30	PASS
		2480	0.43	≤30	PASS

Test Graphs

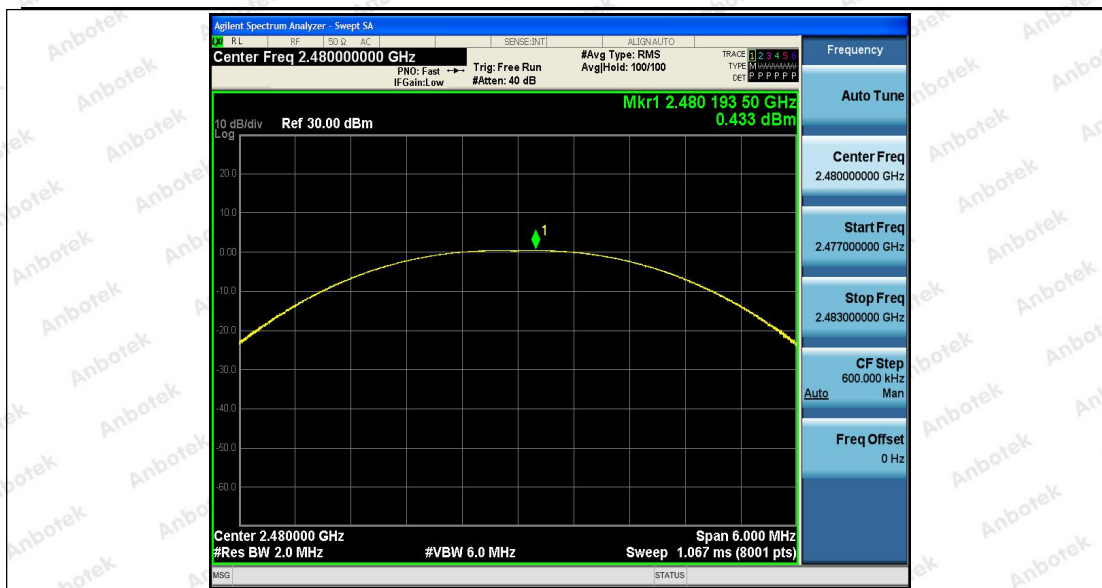


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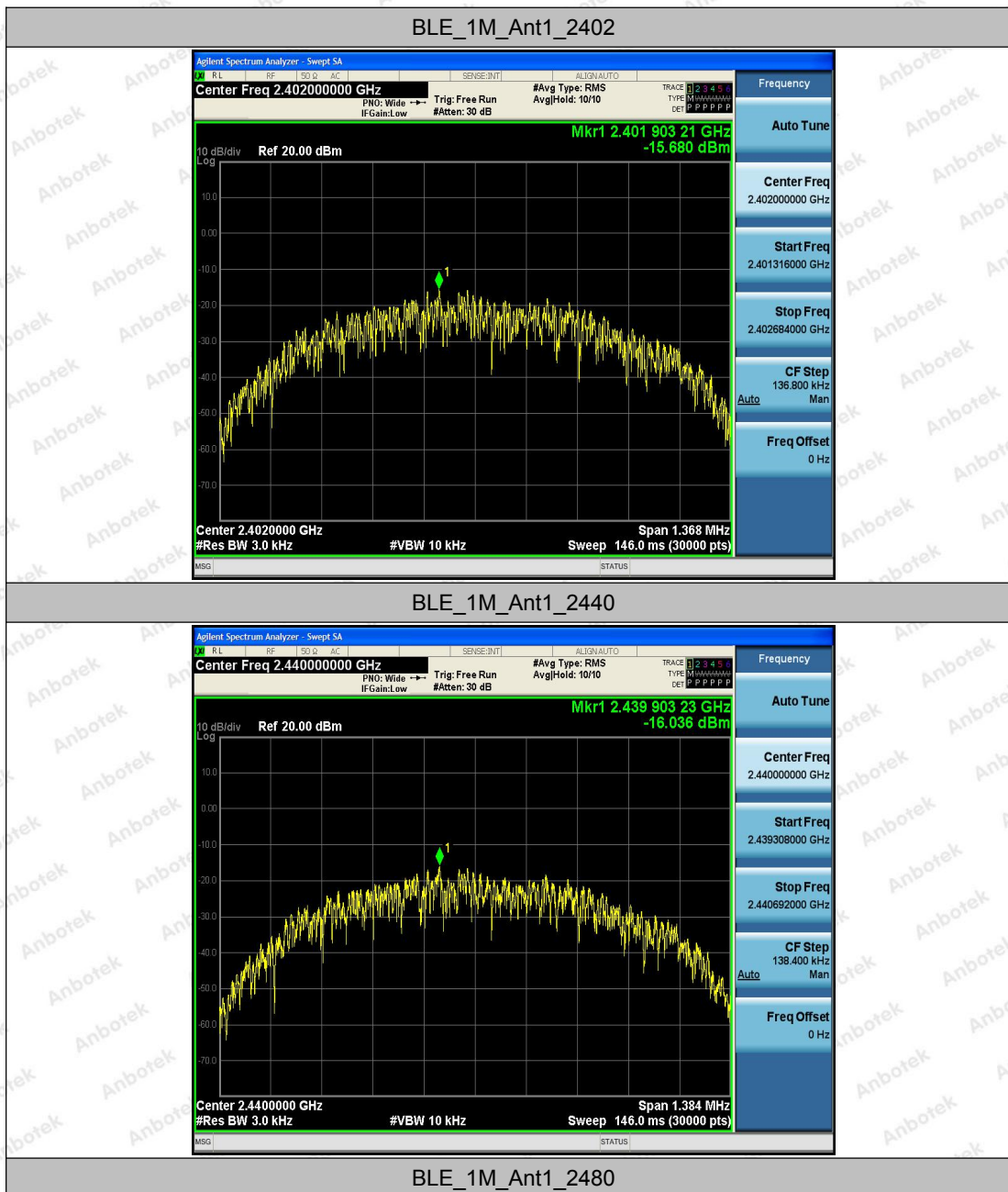
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.68	≤8	PASS
		2440	-16.04	≤8	PASS
		2480	-15.11	≤8	PASS

Test Graphs

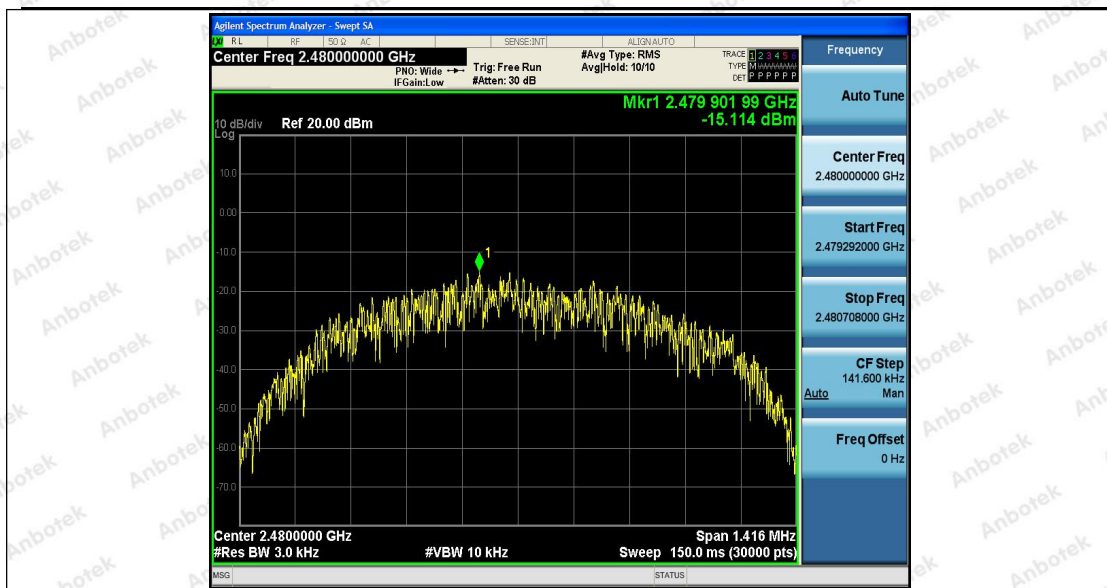


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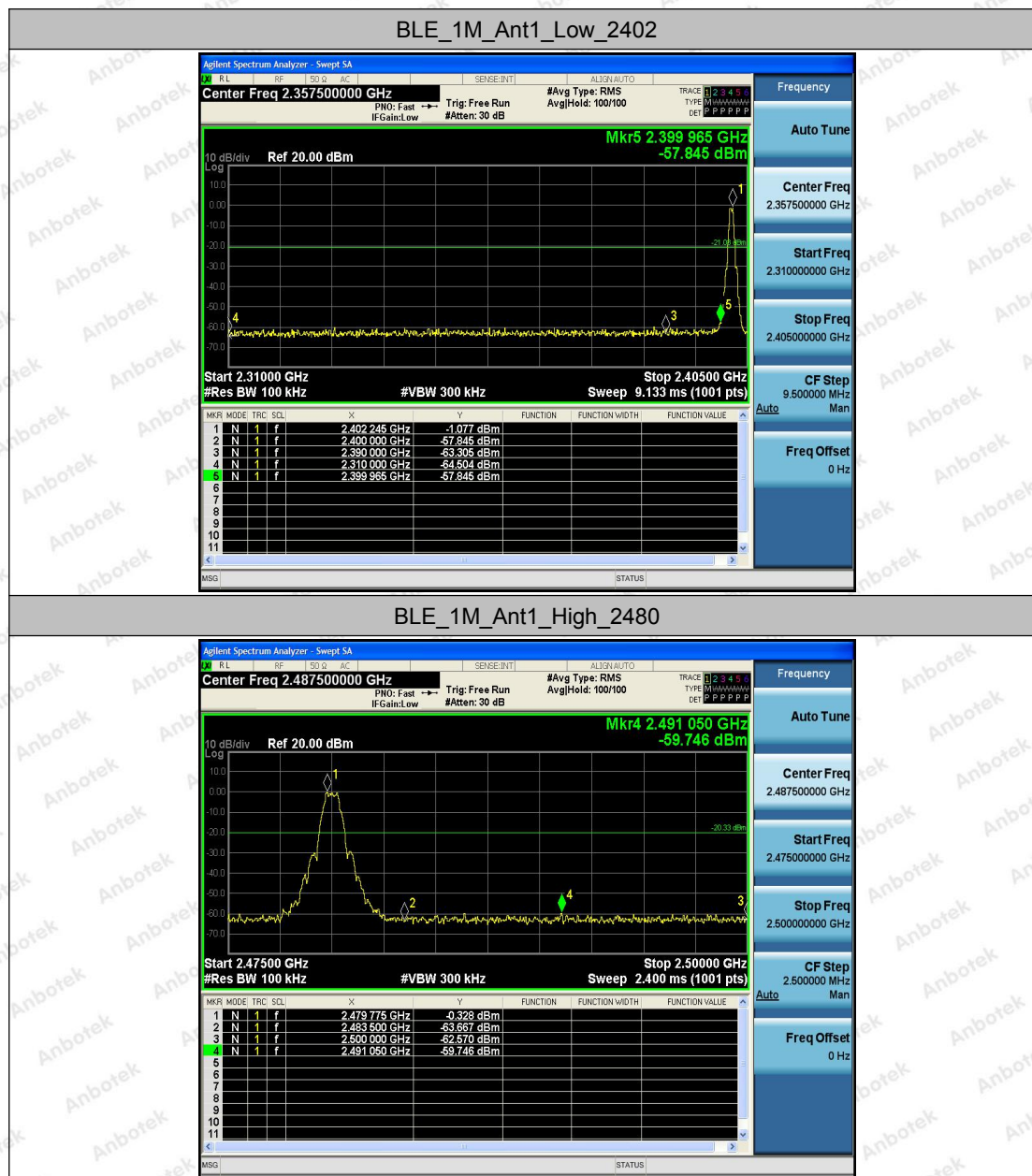
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.08	-57.85	≤-21.08	PASS
		High	2480	-0.33	-59.75	≤-20.33	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

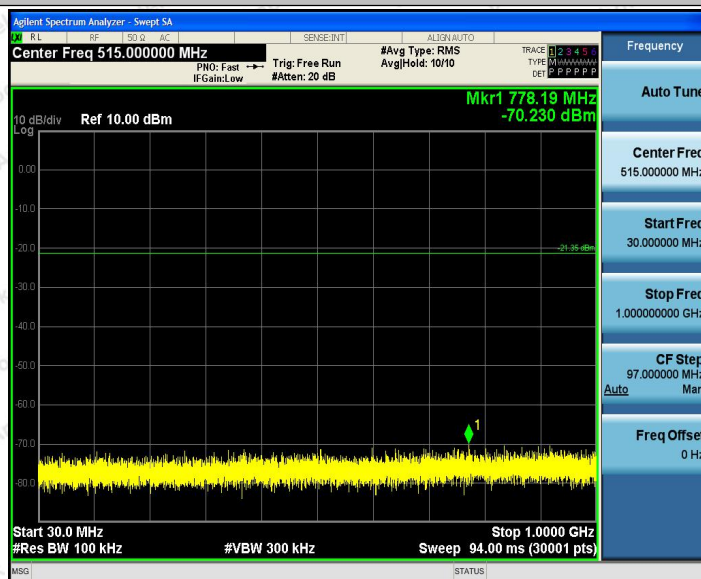
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-1.35	-1.35	---	PASS
			30~1000	-1.35	-70.23	≤ -21.35	PASS
			1000~265 00	-1.35	-55.33	≤ -21.35	PASS
		2440	Reference	-1.78	-1.78	---	PASS
			30~1000	-1.78	-70.4	≤ -21.78	PASS
			1000~265 00	-1.78	-54.86	≤ -21.78	PASS
		2480	Reference	-0.75	-0.75	---	PASS
			30~1000	-0.75	-70.65	≤ -20.75	PASS
			1000~265 00	-0.75	-56	≤ -20.75	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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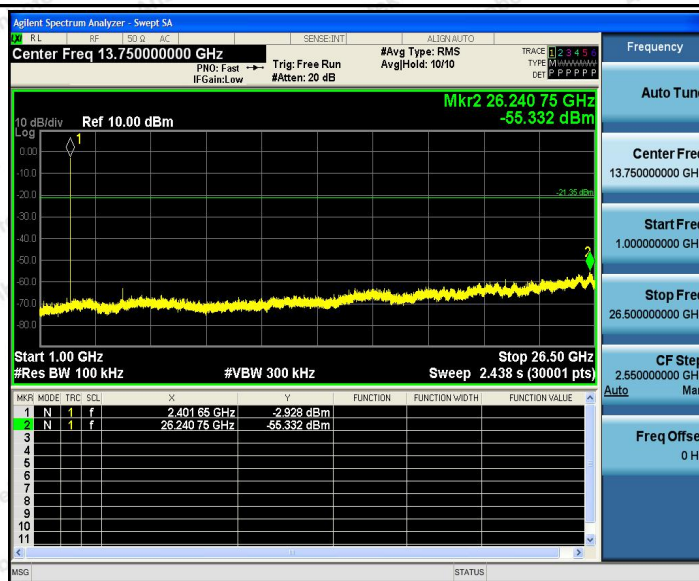
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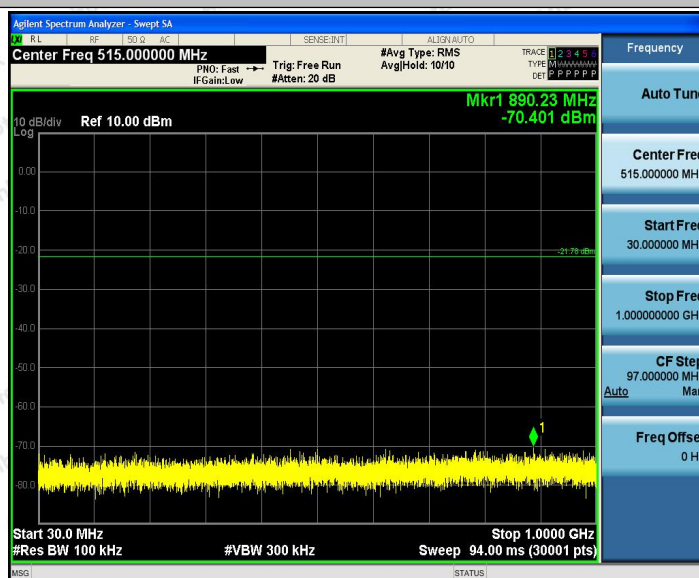
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



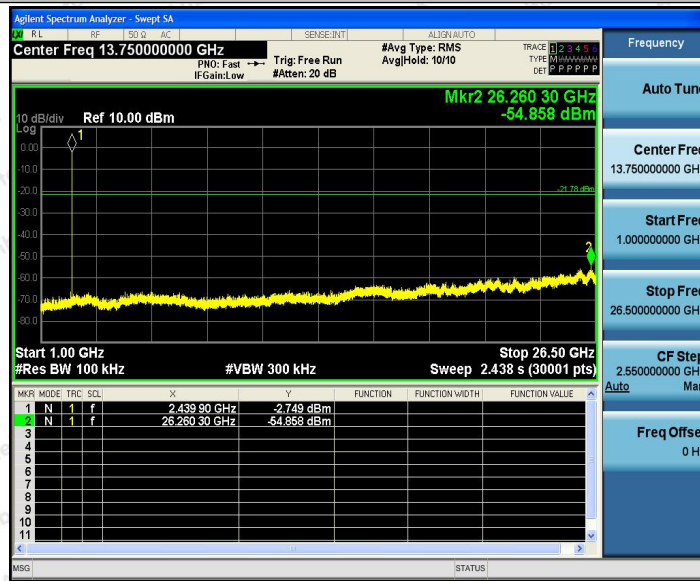
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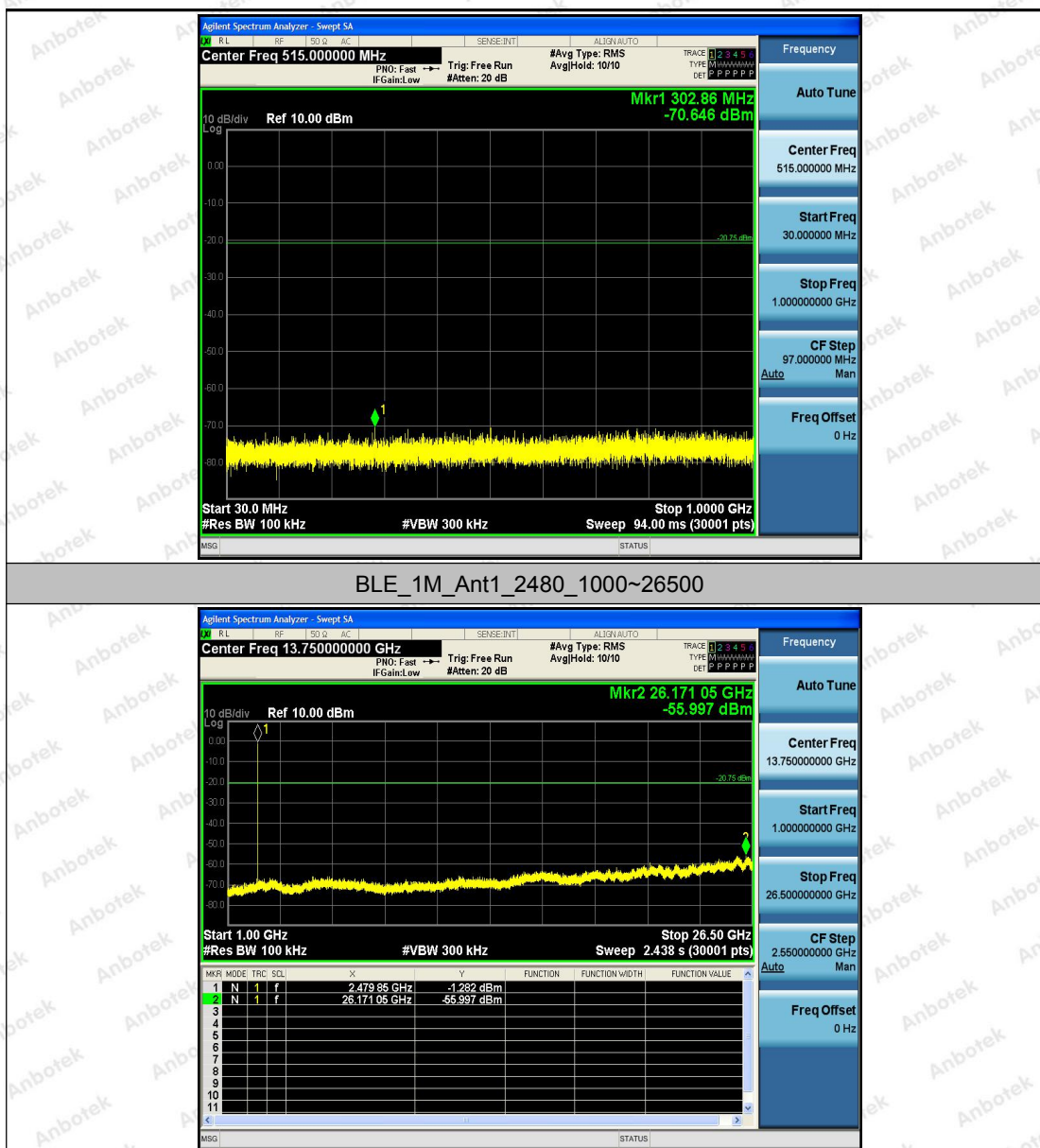
BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000



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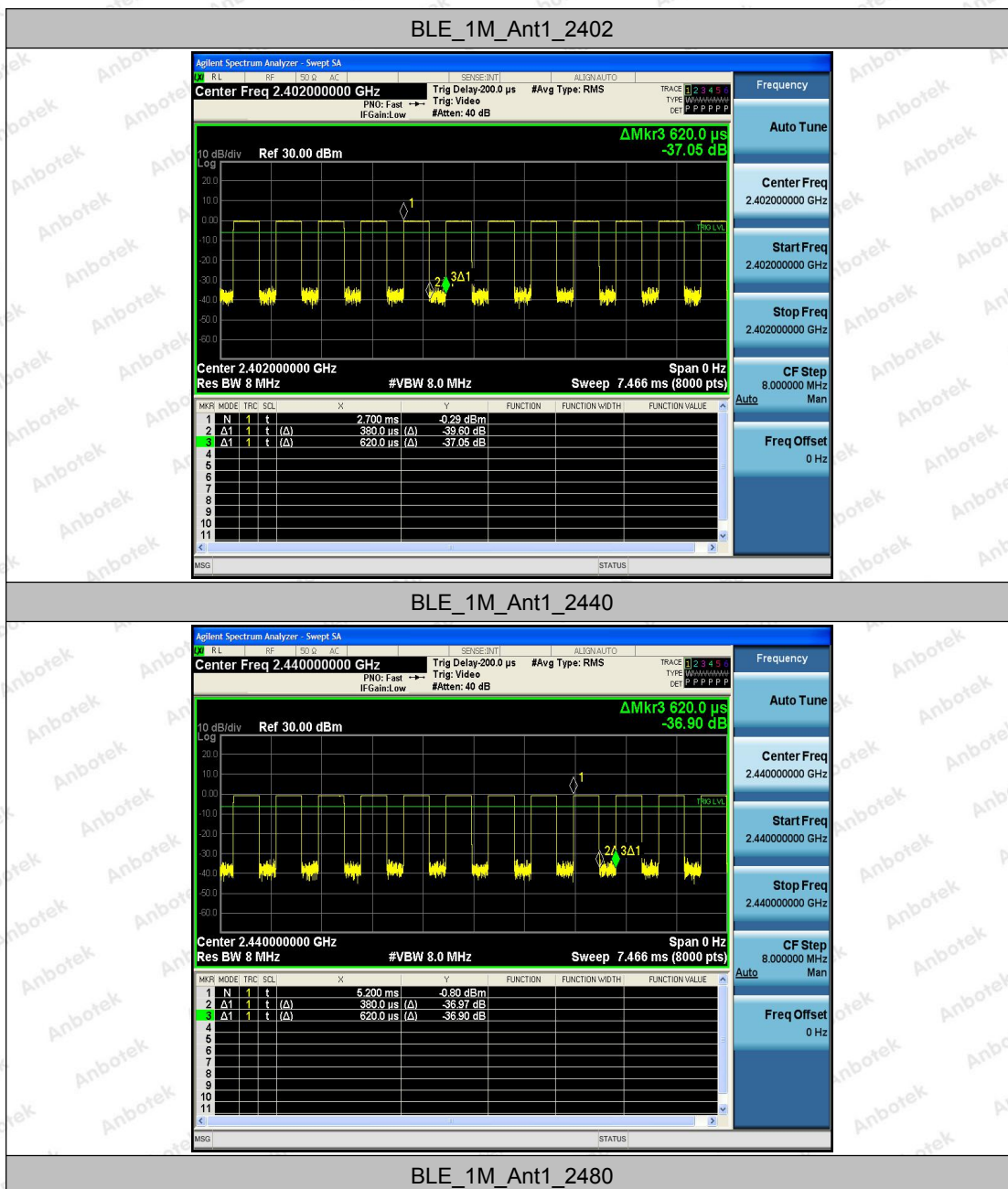
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Appendix G: Duty Cycle

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

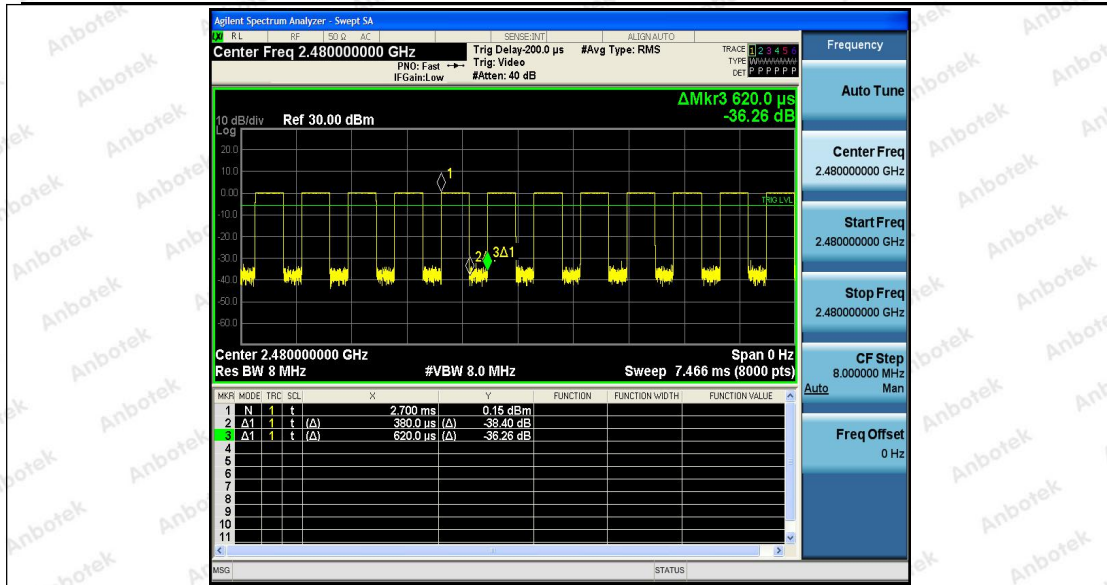


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