

Appendix Test Data

Report No.:	18220WC10278602	Test Sample No.:	1-2-2
Start Test Date:	2021.12.17	Finish Test Date:	2021.12.21
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	Relative Humidity:	57 %
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	0.676	2439.656	2440.332	≥0.5	PASS
		2480	0.684	2479.648	2480.332	≥0.5	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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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	1.0350	2401.490	2402.525	---	PASS
		2440	1.0310	2439.491	2440.522	---	PASS
		2480	1.0240	2479.492	2480.516	---	PASS

Test Graphs



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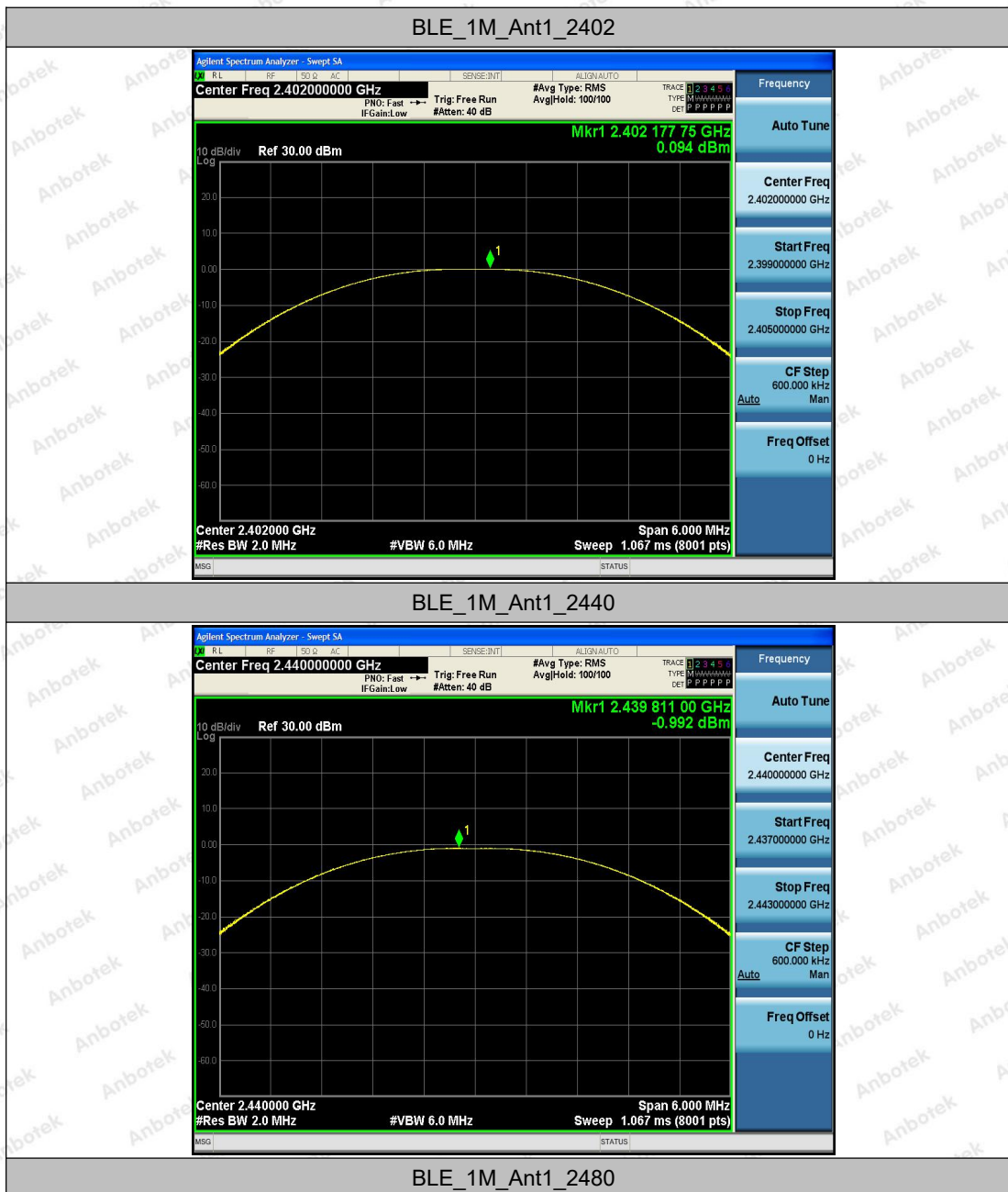
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.09	≤30	PASS
		2440	-0.99	≤30	PASS
		2480	0.4	≤30	PASS

Test Graphs

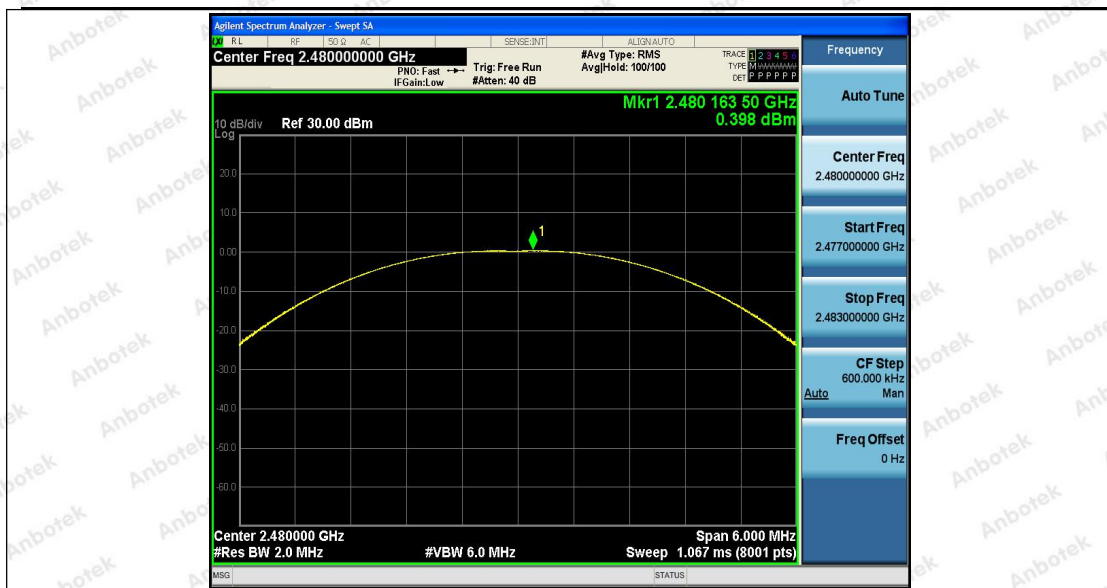


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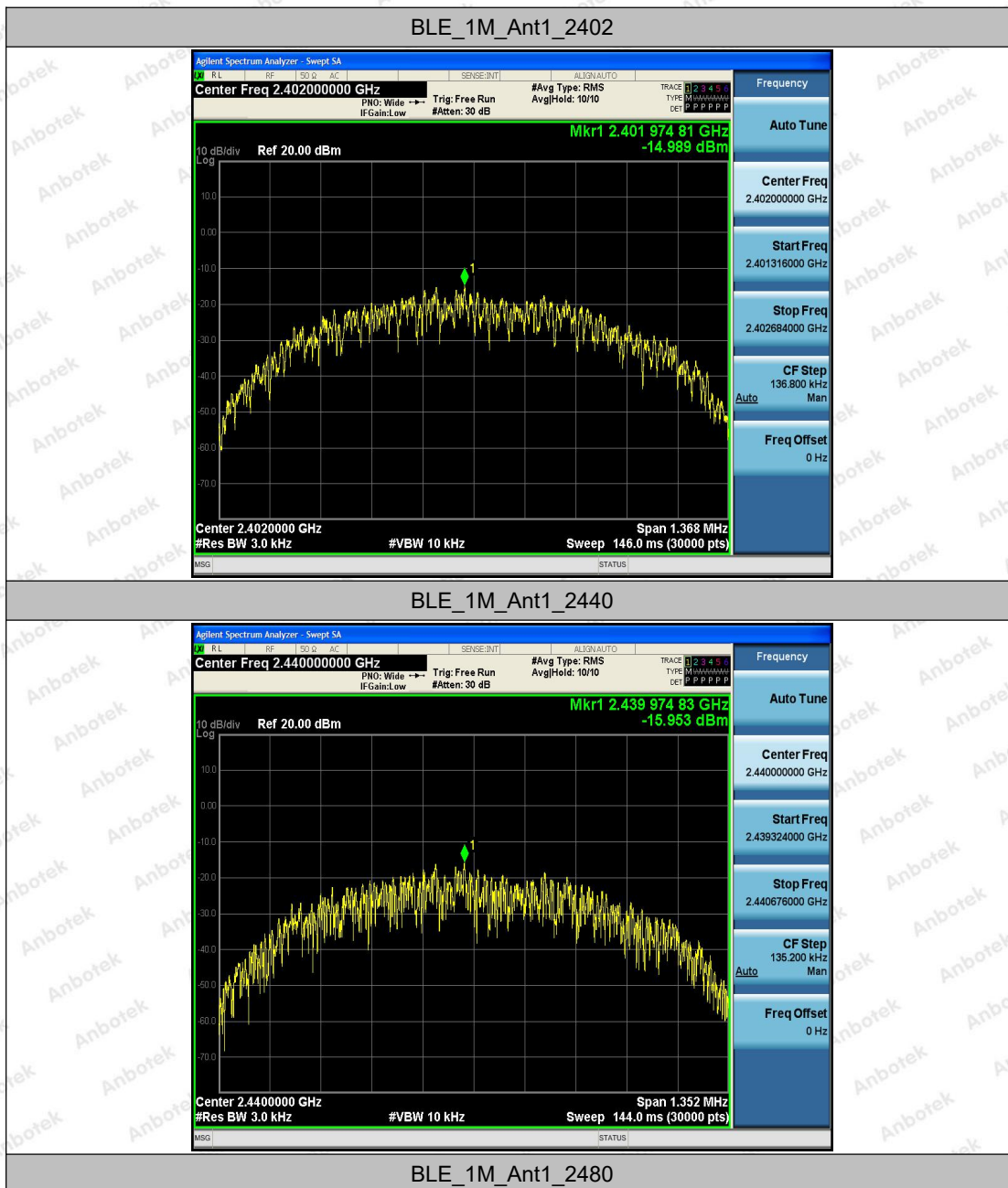
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.99	≤8	PASS
		2440	-15.95	≤8	PASS
		2480	-14.64	≤8	PASS

Test Graphs

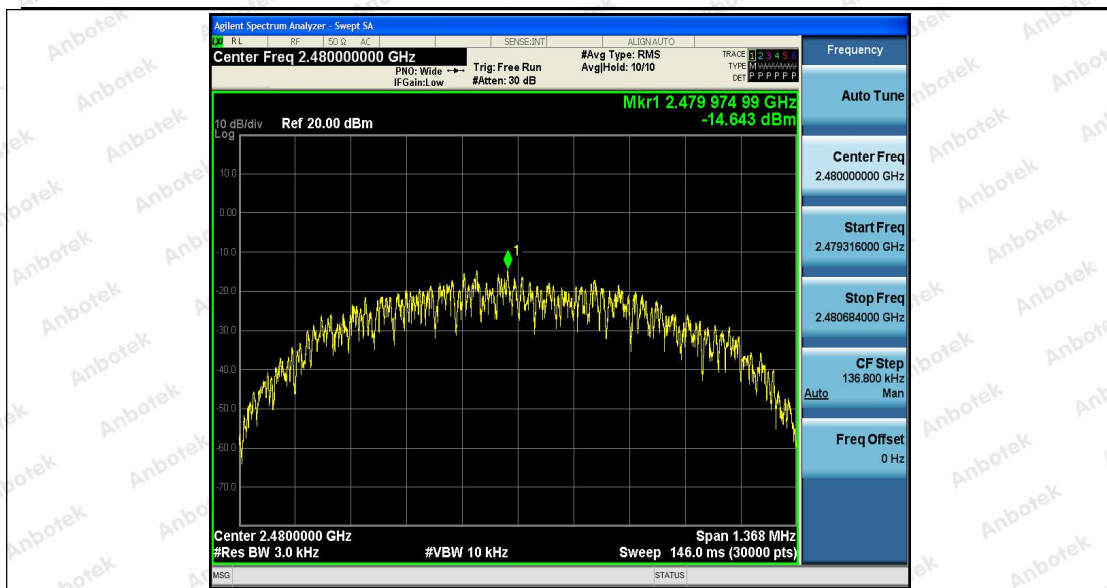


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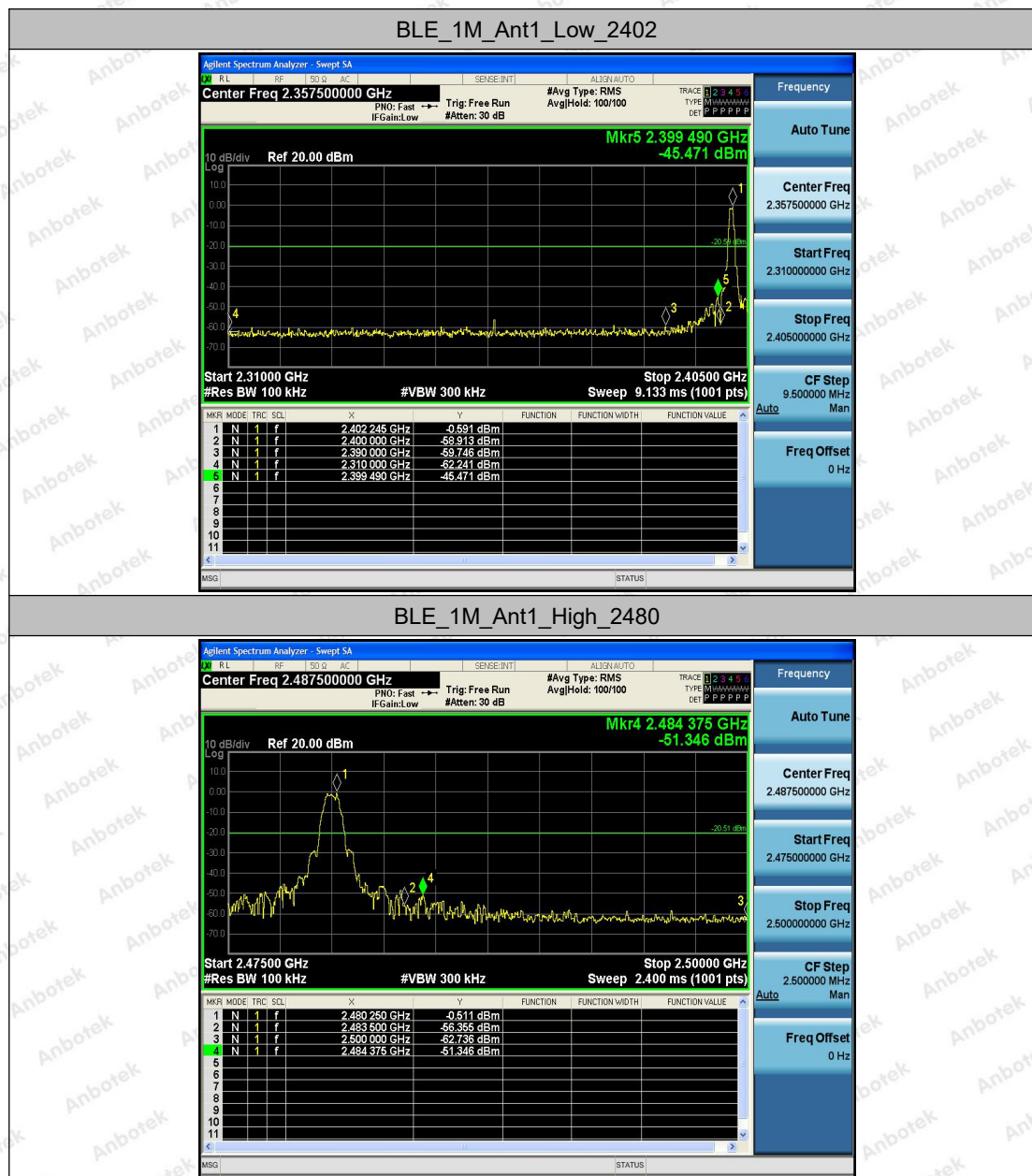
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.59	-45.47	≤-20.59	PASS
		High	2480	-0.51	-51.35	≤-20.51	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

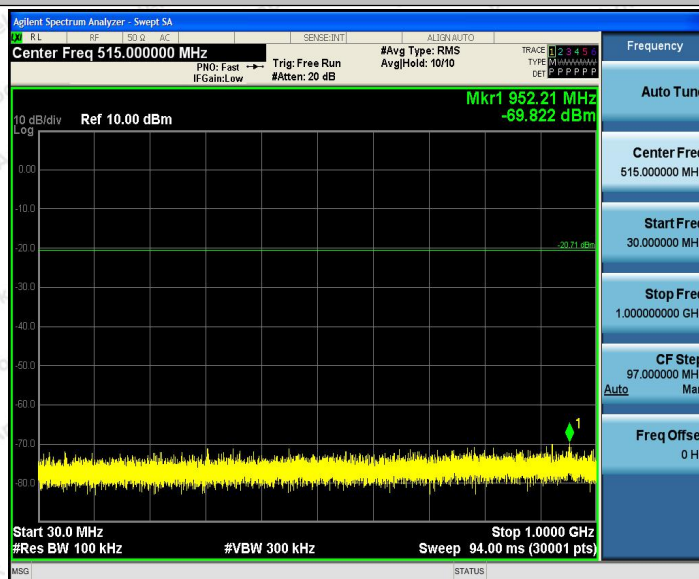
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-0.71	-0.71	---	PASS
			30~1000	-0.71	-69.82	≤-20.71	PASS
			1000~265 00	-0.71	-47.98	≤-20.71	PASS
		2440	Reference	-1.86	-1.86	---	PASS
			30~1000	-1.86	-68.19	≤-21.86	PASS
			1000~265 00	-1.86	-49.07	≤-21.86	PASS
		2480	Reference	-0.63	-0.63	---	PASS
			30~1000	-0.63	-70.45	≤-20.63	PASS
			1000~265 00	-0.63	-53.07	≤-20.63	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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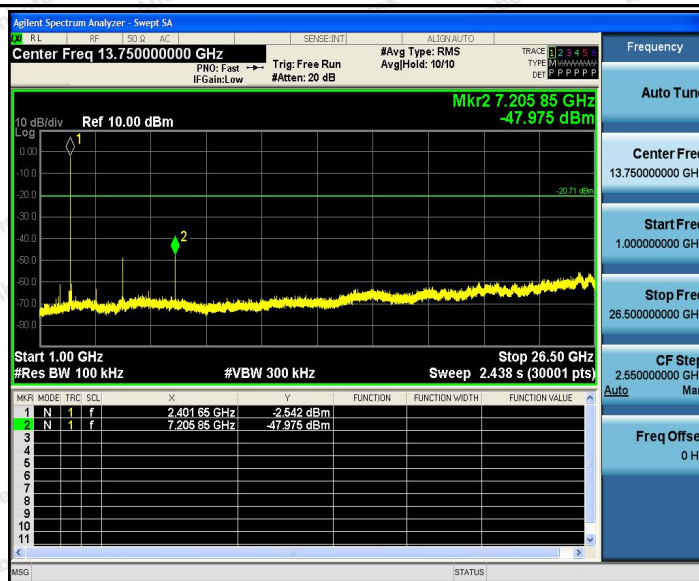
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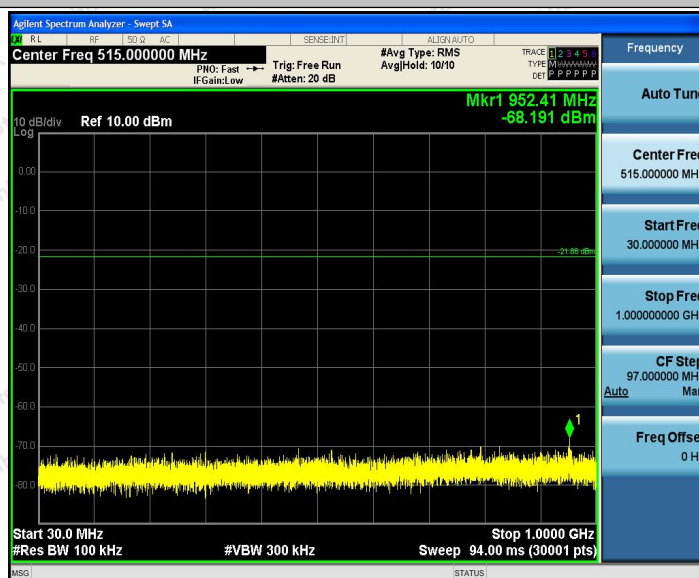
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



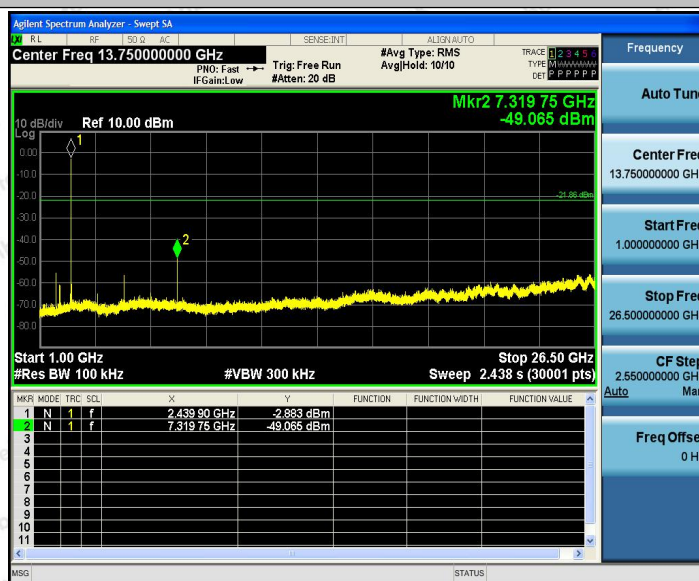
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



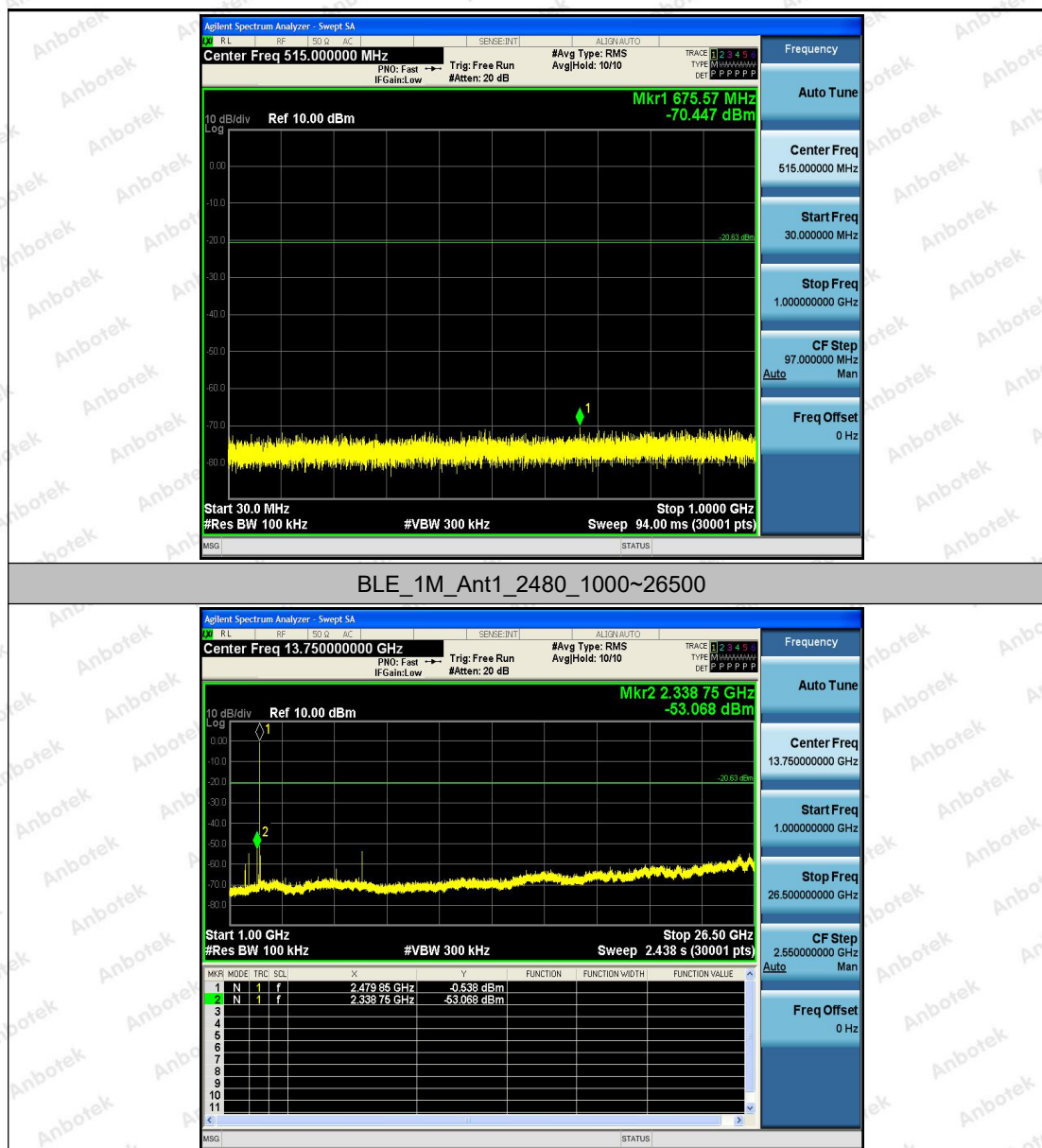
BLE_1M_Ant1_2480_30~1000

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Appendix G: Duty Cycle

Test Result

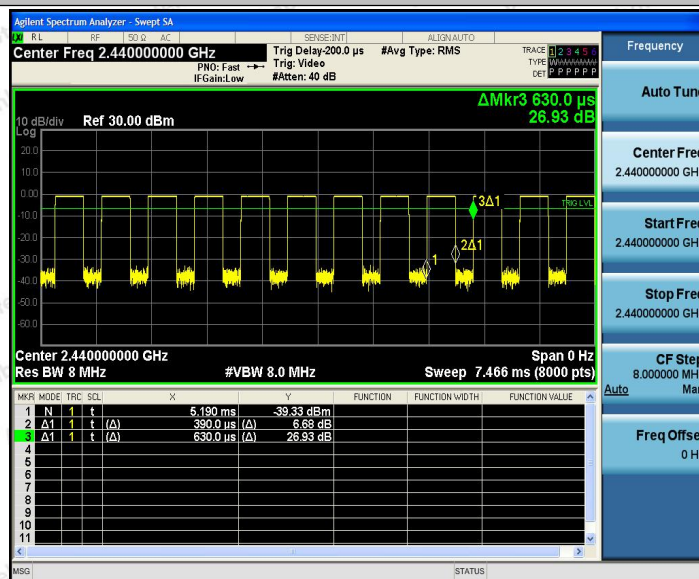
TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	0.38	0.62	0.612 9	61.29	2.13	---	PASS
		2440	0.39	0.63	0.619 0	61.90	2.08	---	PASS
		2480	0.39	0.63	0.619 0	61.90	2.08	---	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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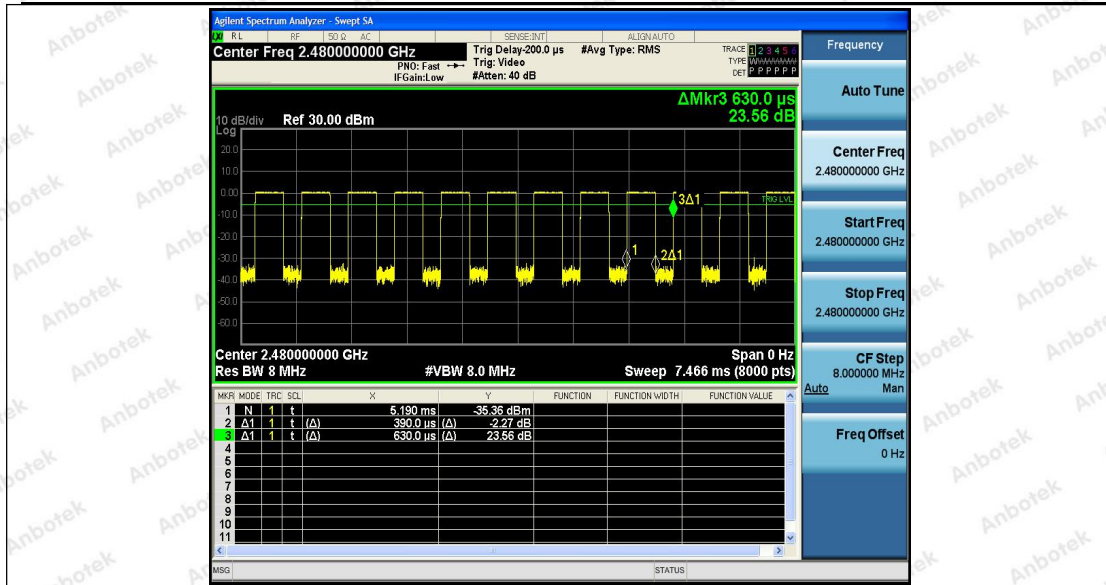
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