

Appendix Test Data

Report No.:	18220WC20048301	Test Sample No.:	1-2-2
Start Test Date:	2022.3.9	Finish Test Date:	2022.3.17
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	2401.664	2402.348	≥0.5	PASS
		2440	0.696	2439.636	2440.332	≥0.5	PASS
		2480	0.692	2479.640	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	1.0312	2401.495	2402.526	---	PASS
		2440	1.0332	2439.494	2440.527	---	PASS
		2480	1.0226	2479.498	2480.520	---	PASS

Test Graphs



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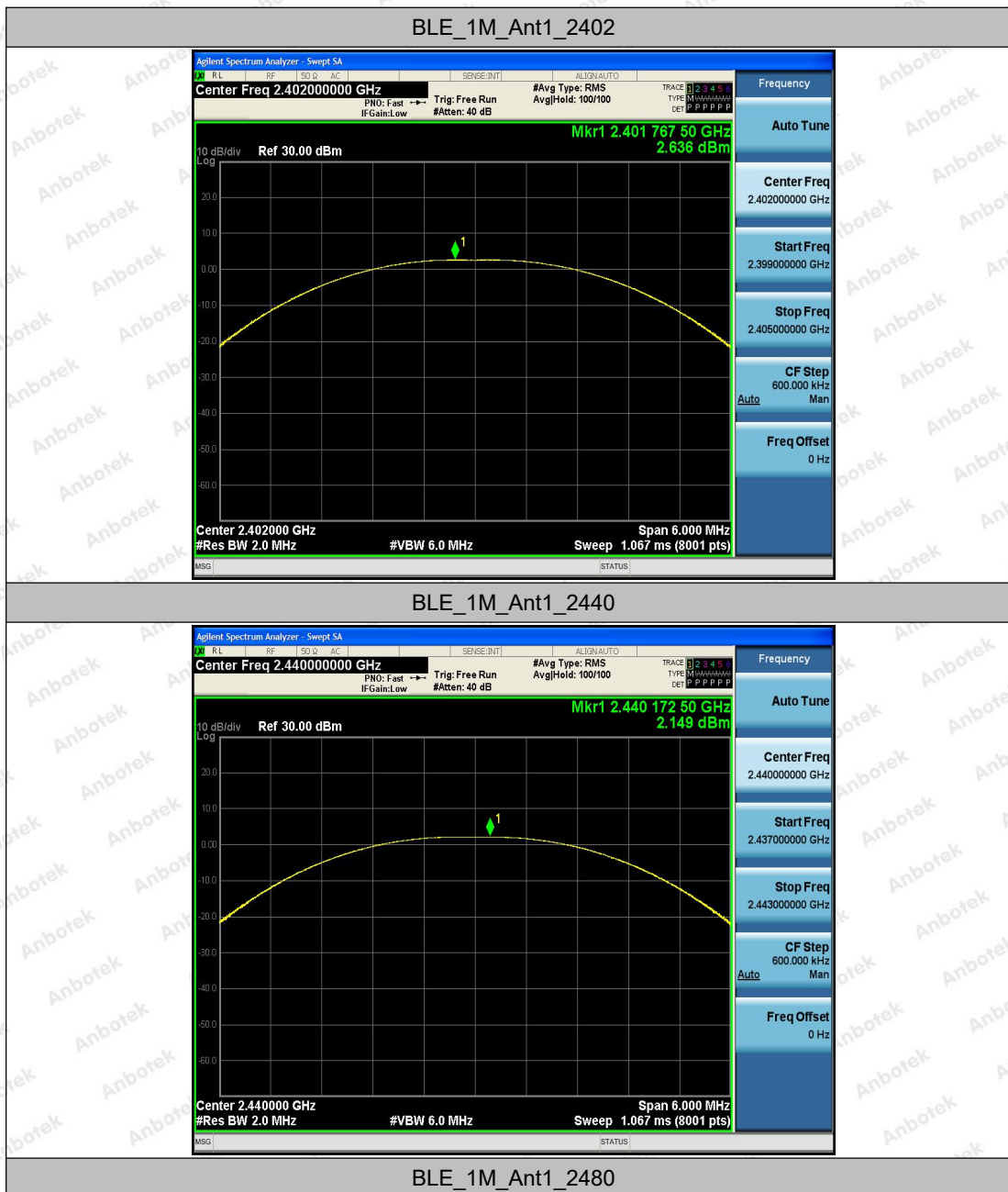
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.64	≤30	PASS
		2440	2.15	≤30	PASS
		2480	3.41	≤30	PASS

Test Graphs

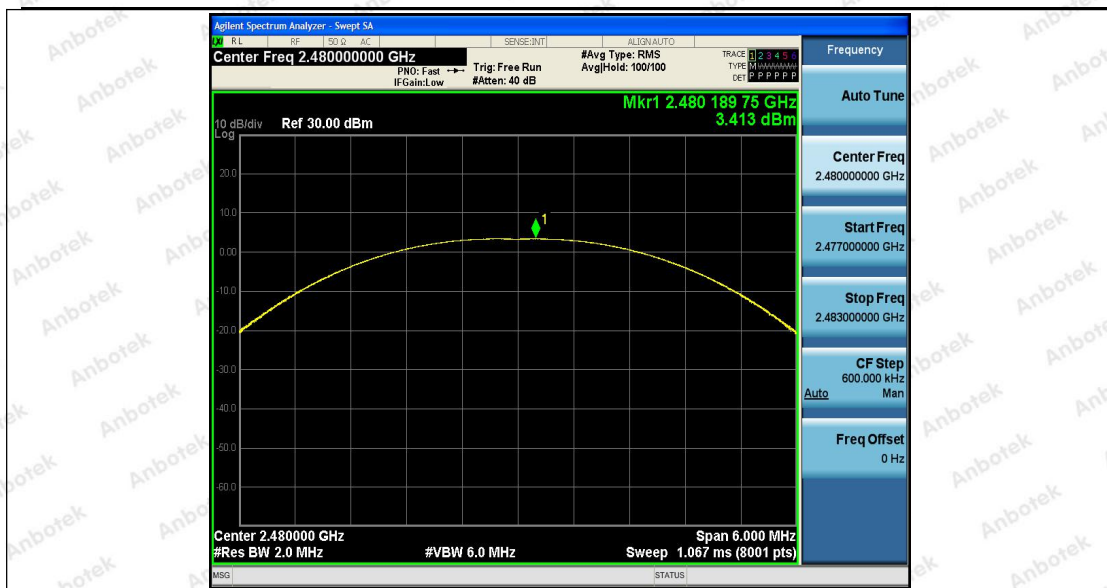


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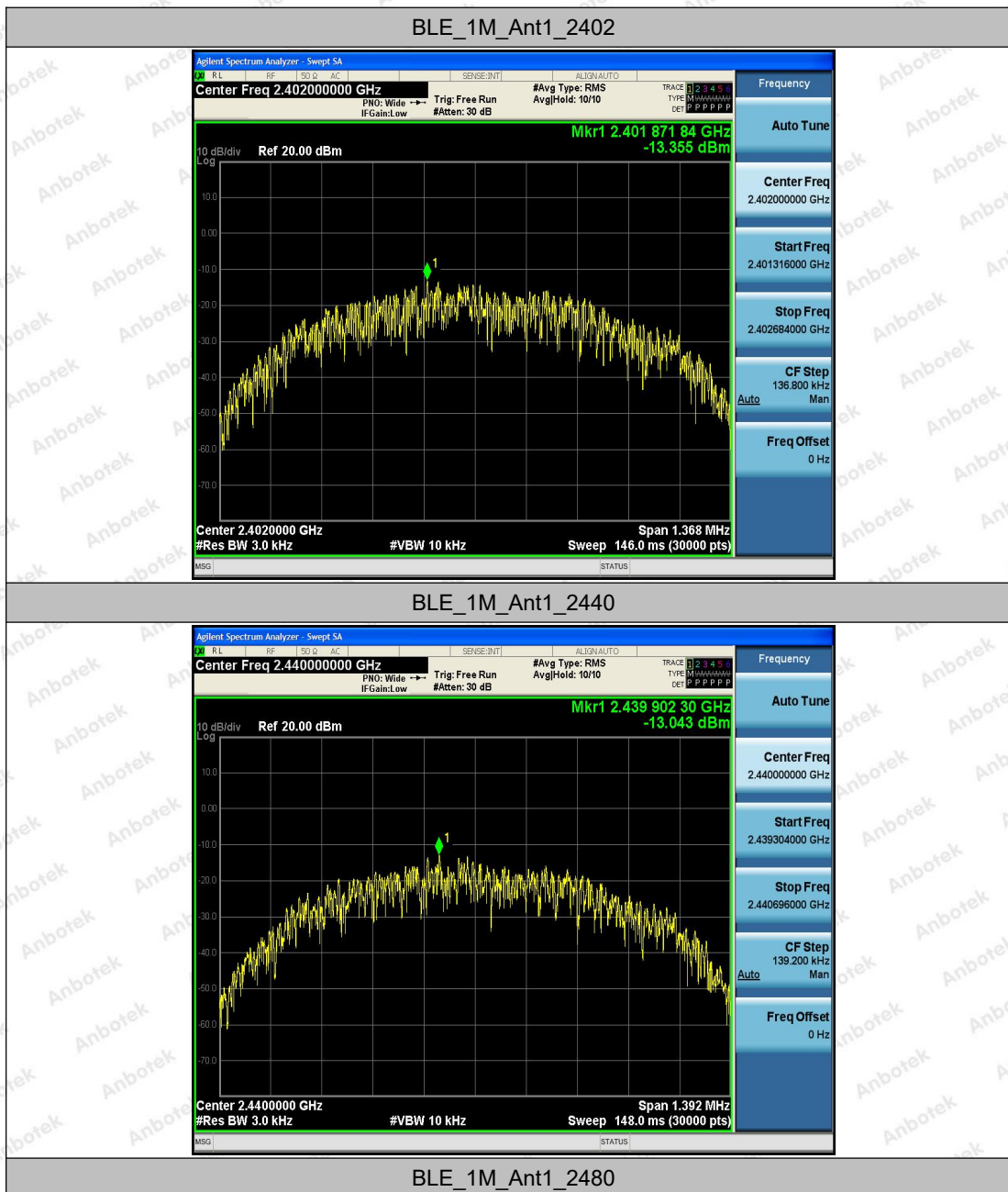
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.36	≤8	PASS
		2440	-13.04	≤8	PASS
		2480	-12.1	≤8	PASS

Test Graphs

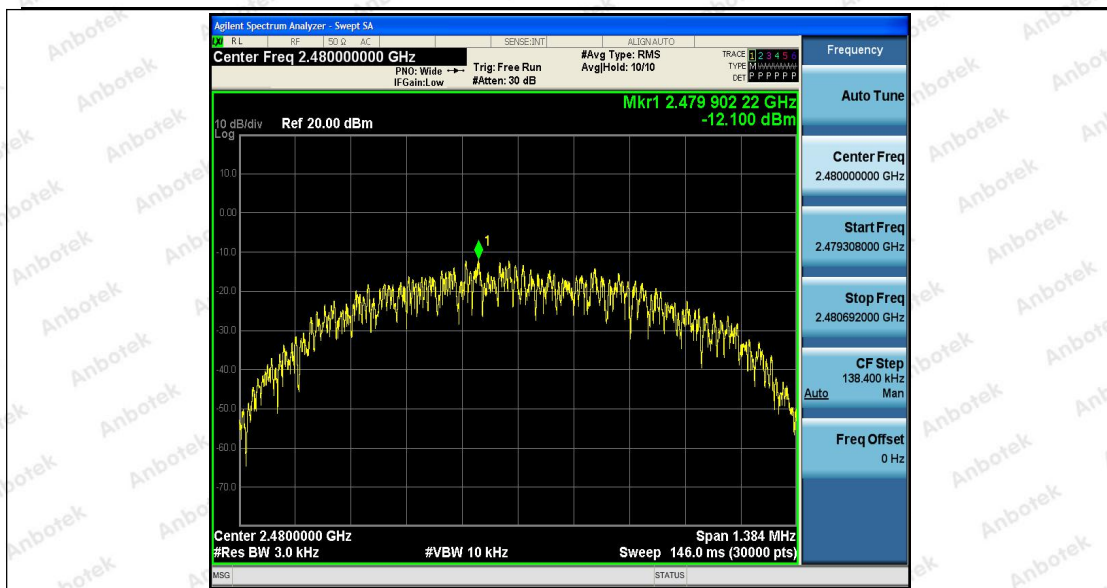


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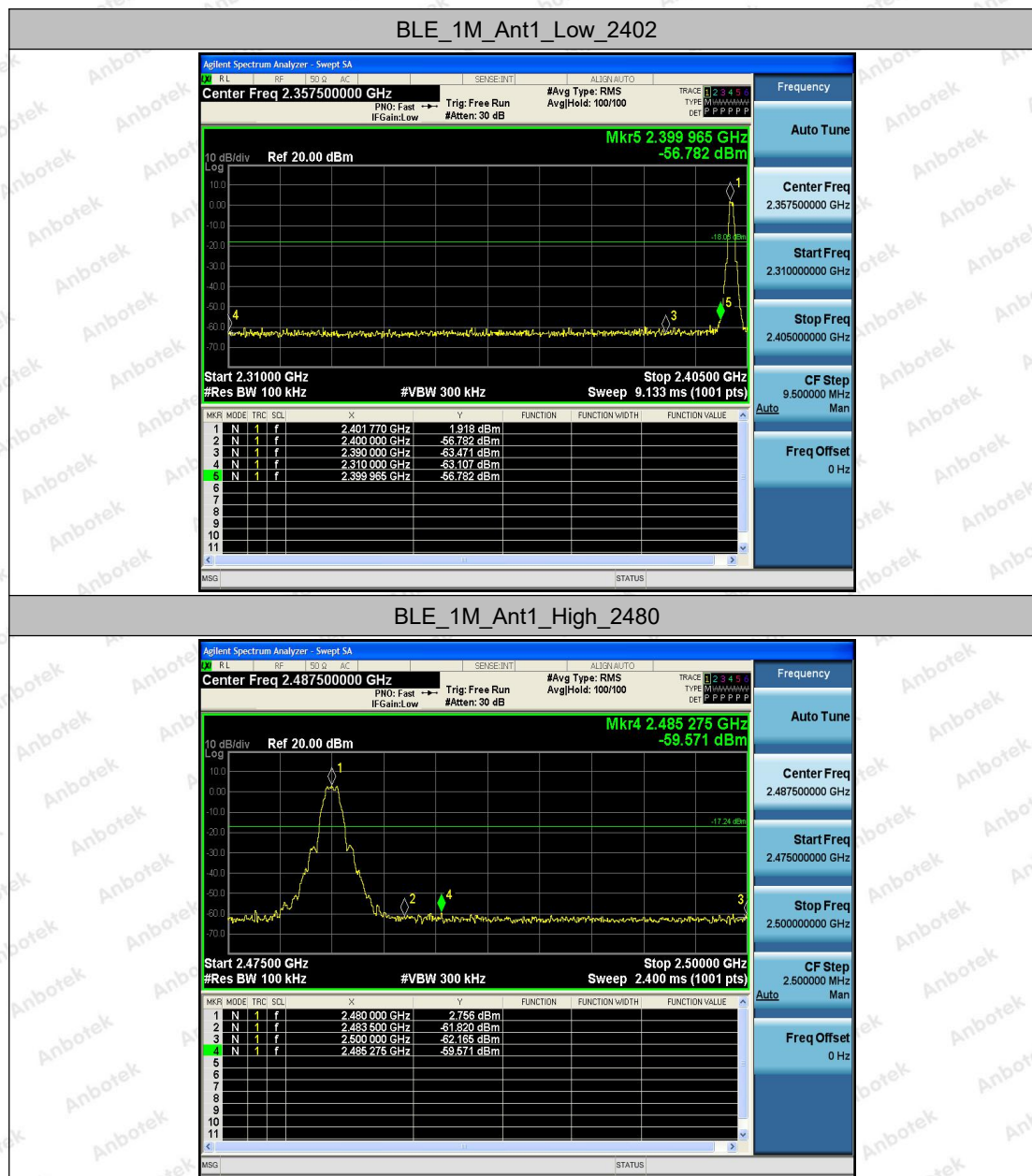
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.92	-56.78	≤-18.08	PASS
		High	2480	2.76	-59.57	≤-17.24	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

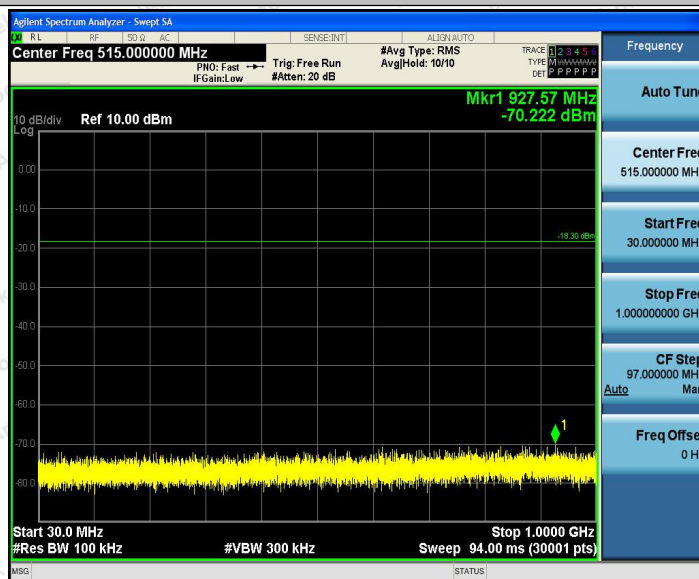
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	1.70	1.70	---	PASS
			30~1000	1.70	-70.22	≤-18.3	PASS
			1000~265 00	1.70	-55.5	≤-18.3	PASS
		2440	Reference	1.26	1.26	---	PASS
			30~1000	1.26	-70.49	≤-18.74	PASS
			1000~265 00	1.26	-54.89	≤-18.74	PASS
		2480	Reference	2.42	2.42	---	PASS
			30~1000	2.42	-70.36	≤-17.58	PASS
			1000~265 00	2.42	-55.06	≤-17.58	PASS

Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



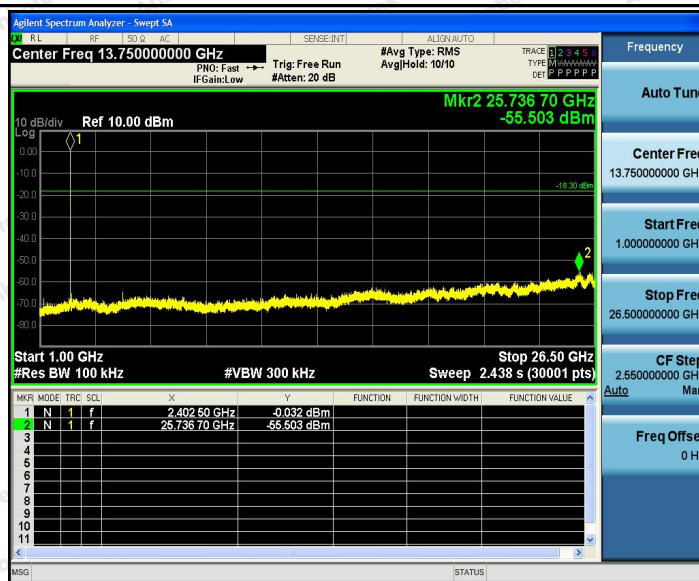
BLE_1M_Ant1_2402_1000~26500

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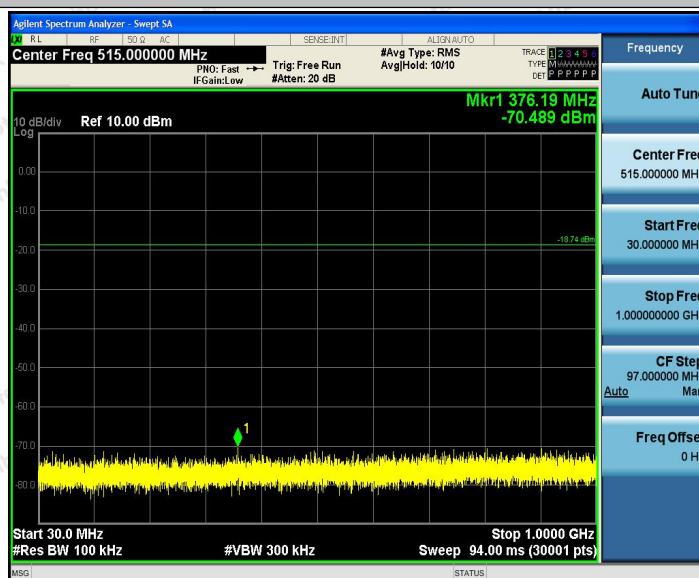
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



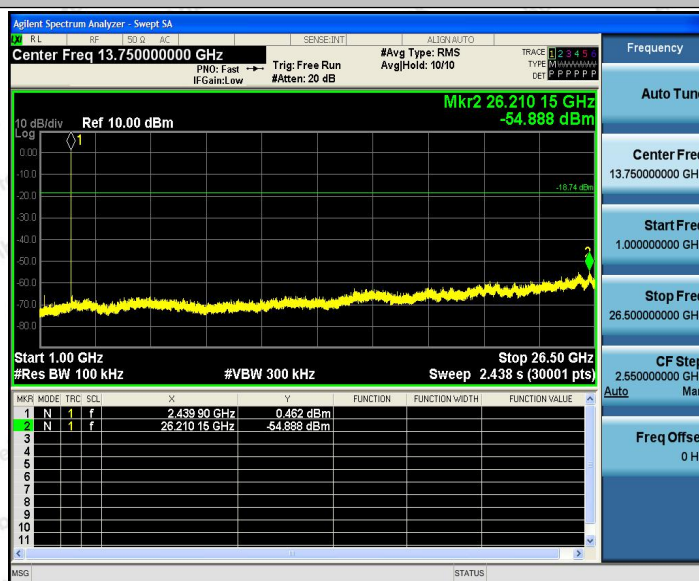
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



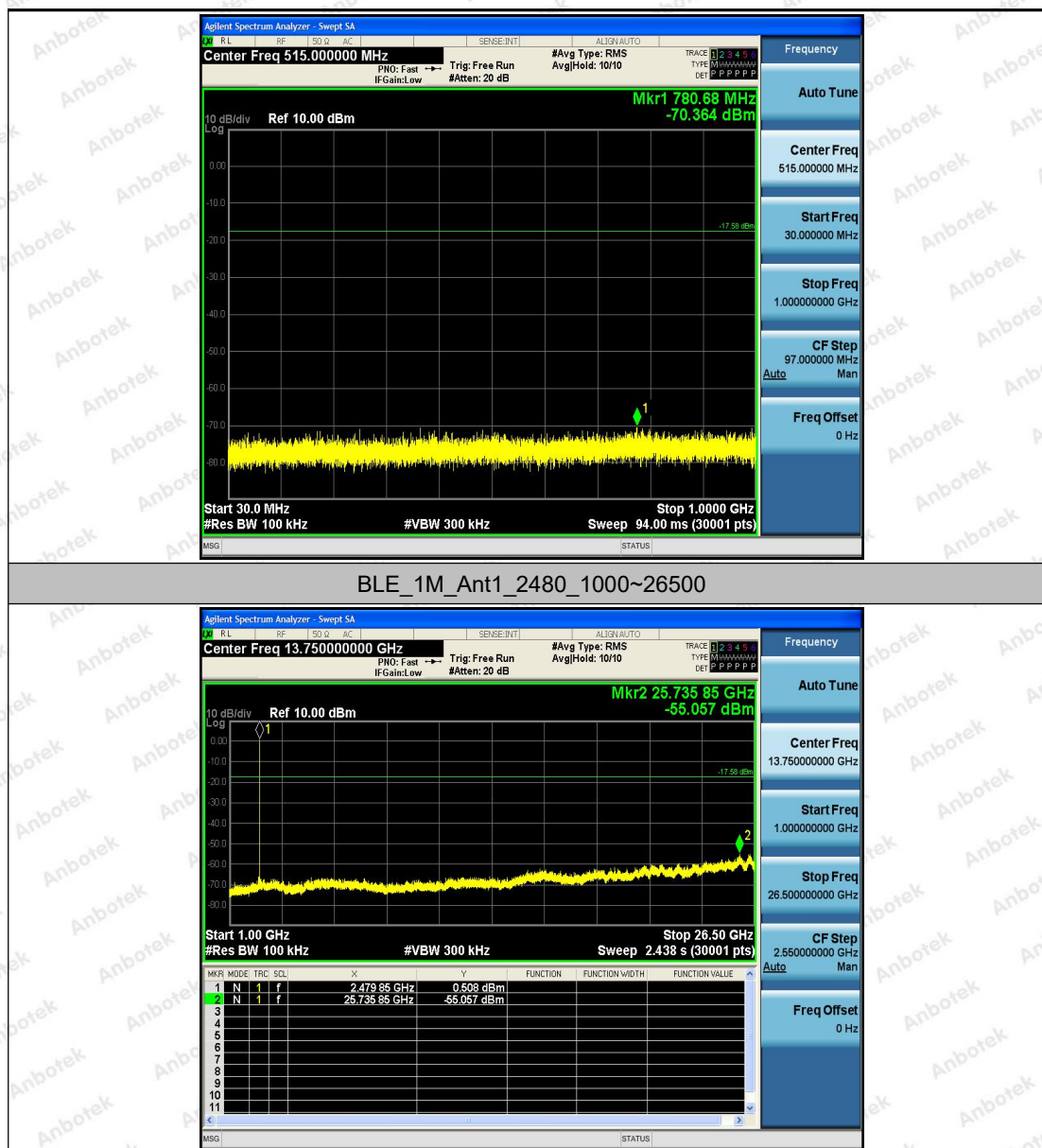
BLE_1M_Ant1_2480_30~1000

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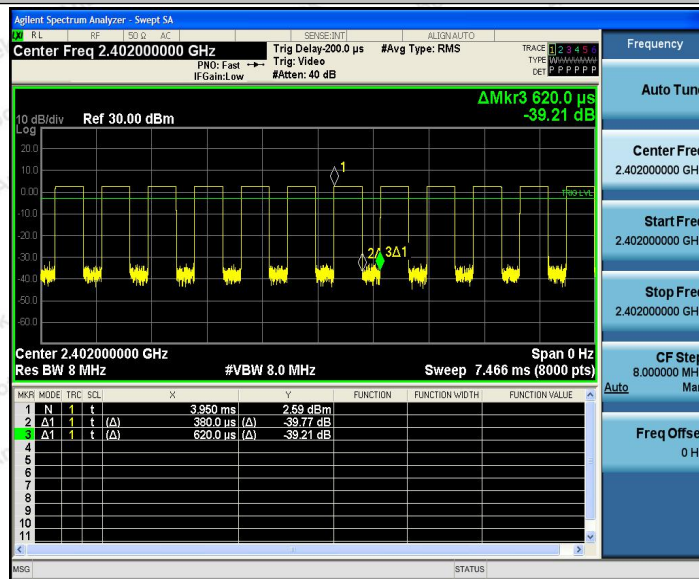
Appendix G: Duty Cycle

Test Result

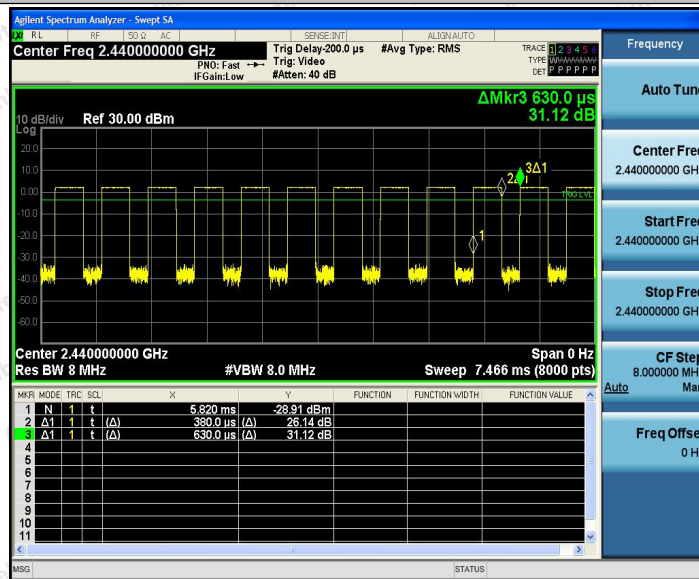
TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	0.38	0.62	0.612 9	61.29	2.13	---	PASS
		2440	0.38	0.63	0.603 2	60.32	2.20	---	PASS
		2480	0.38	0.62	0.612 9	61.29	2.13	---	PASS

Test Graphs

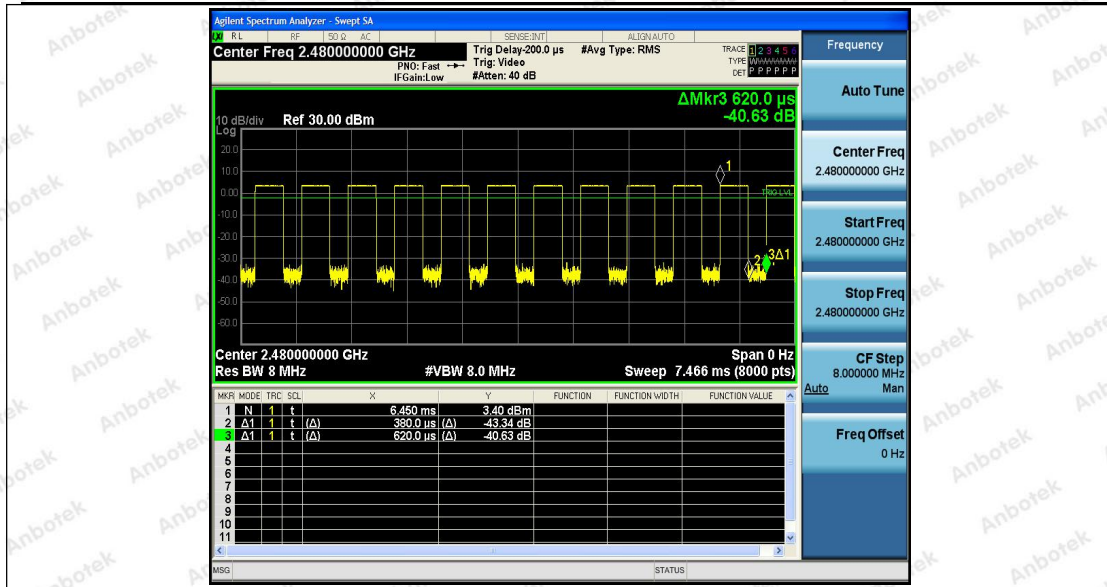
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



---End---