

Appendix Test Data

Report No.:	18220WC20038601	Test Sample No.:	1-2-2
Start Test Date:	2022.2.28	Finish Test Date:	2022.3.3
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.3℃	Relative Humidity:	56 %
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.700	2401.636	2402.336	≥0.5	PASS
		2440	0.704	2439.636	2440.340	≥0.5	PASS
		2480	0.692	2479.652	2480.344	≥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

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0301	2401.492	2402.522	---	PASS
		2440	1.0314	2439.492	2440.524	---	PASS
		2480	1.0266	2479.491	2480.518	---	PASS

Test Graphs



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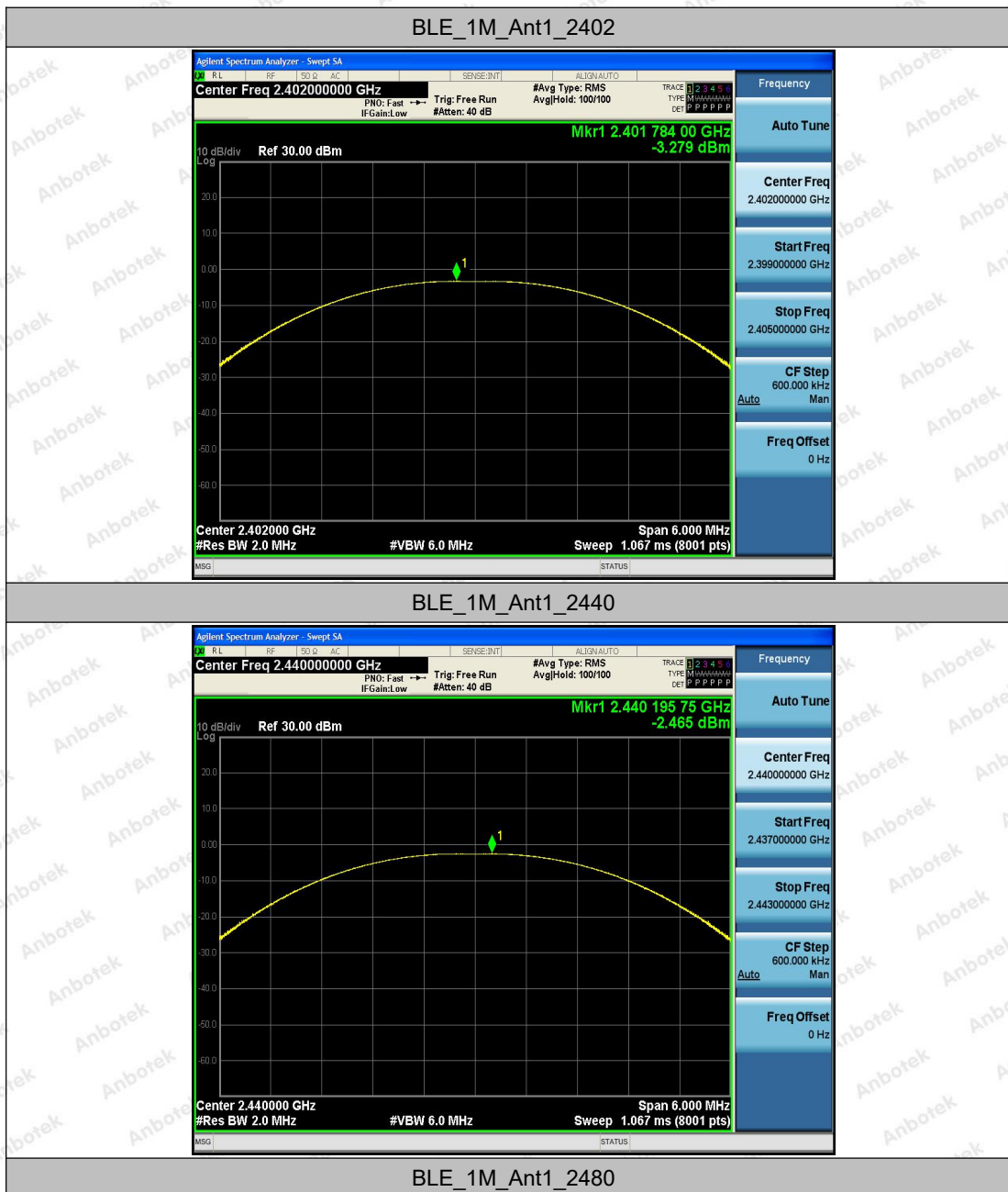
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Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-3.28	≤30	PASS
		2440	-2.47	≤30	PASS
		2480	-2.21	≤30	PASS

Test Graphs

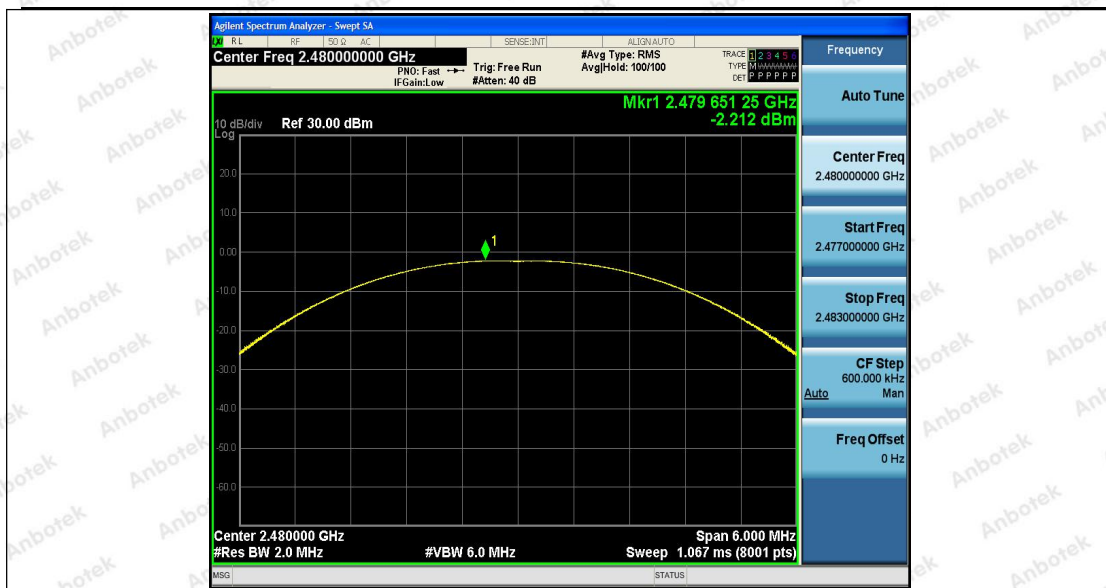


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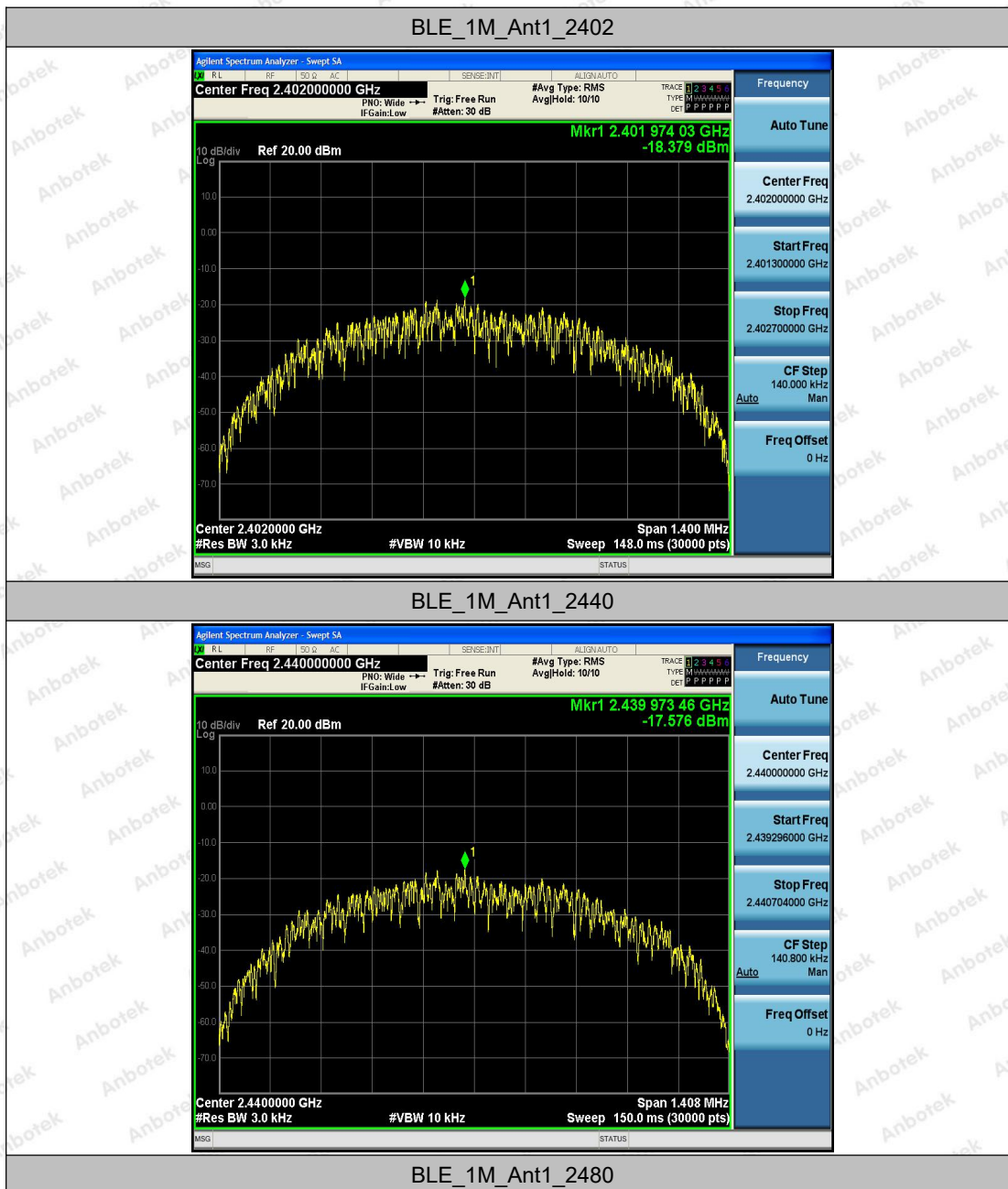
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Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-18.38	≤8	PASS
		2440	-17.58	≤8	PASS
		2480	-17.33	≤8	PASS

Test Graphs

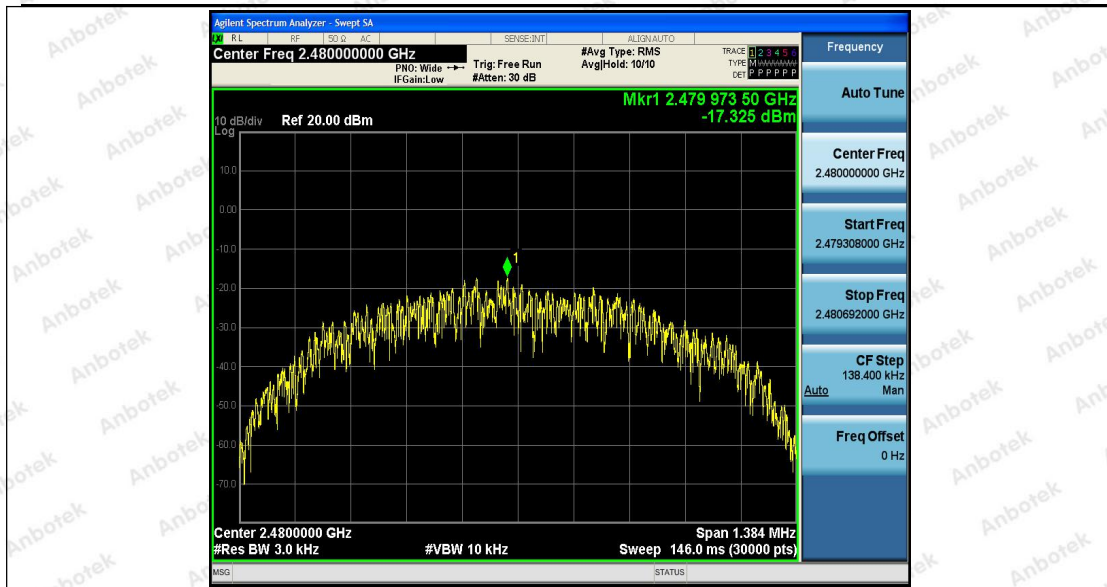


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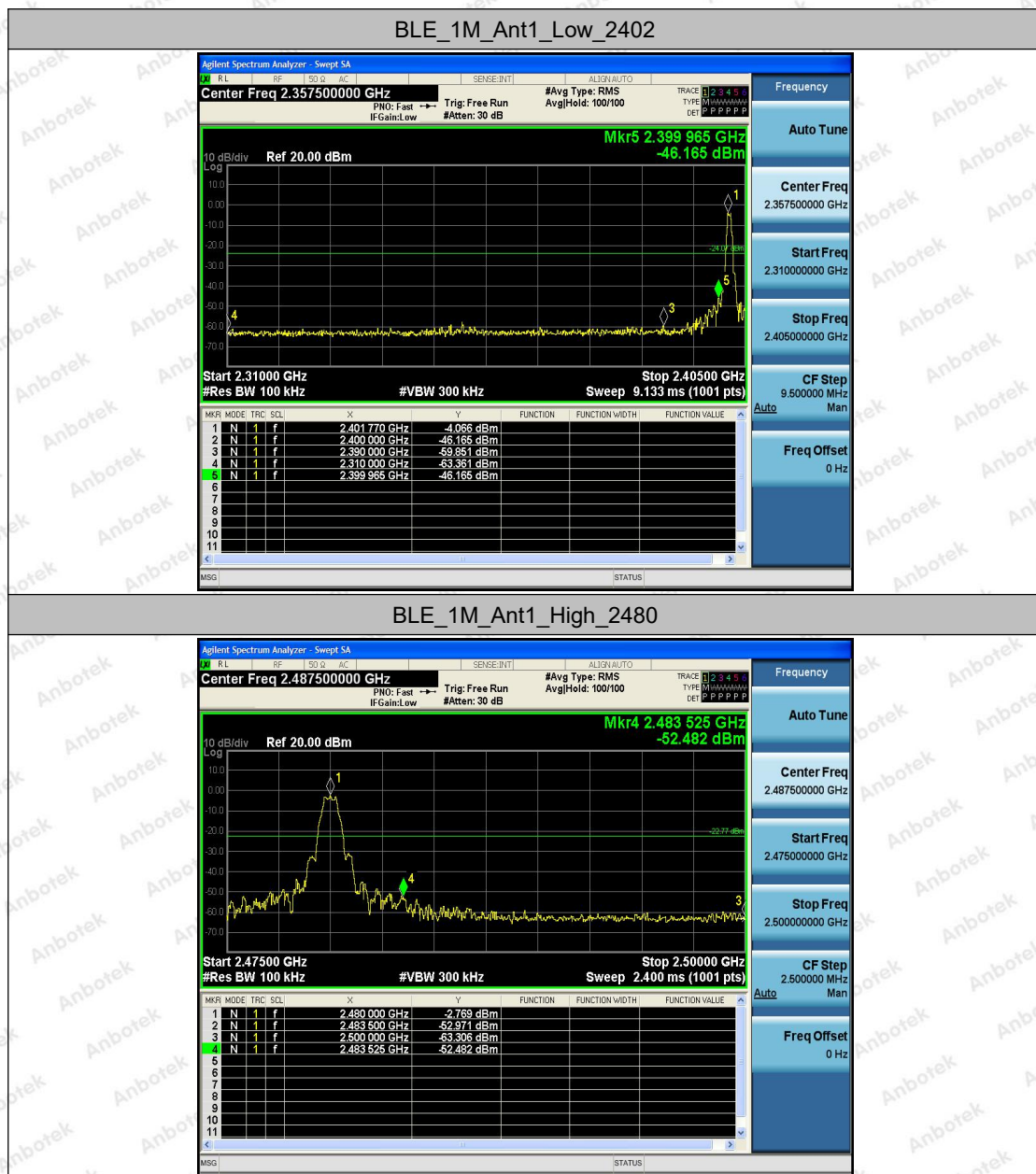
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch Name	Channel	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-4.07	-46.17	≤-24.07	PASS
		High	2480	-2.77	-52.48	≤-22.77	PASS

Test Graphs



Appendix F: Conducted Spurious Emission

Test Result

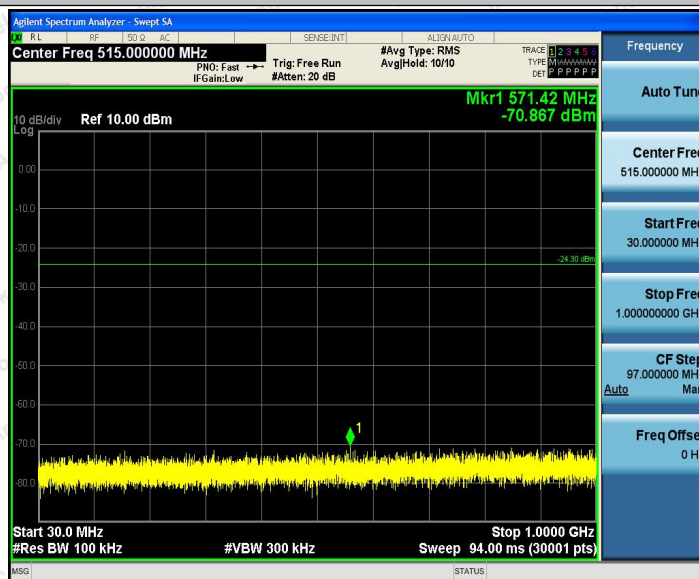
Test Mode	Antenna	Channel	Freq Range [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-4.30	-4.30	---	PASS
			30~1000	-4.30	-70.87	≤-24.3	PASS
			1000~26500	-4.30	-45.21	≤-24.3	PASS
		2440	Reference	-3.51	-3.51	---	PASS
			30~1000	-3.51	-70.51	≤-23.51	PASS
			1000~26500	-3.51	-47.25	≤-23.51	PASS
		2480	Reference	-3.11	-3.11	---	PASS
			30~1000	-3.11	-70.74	≤-23.11	PASS
			1000~26500	-3.11	-50.54	≤-23.11	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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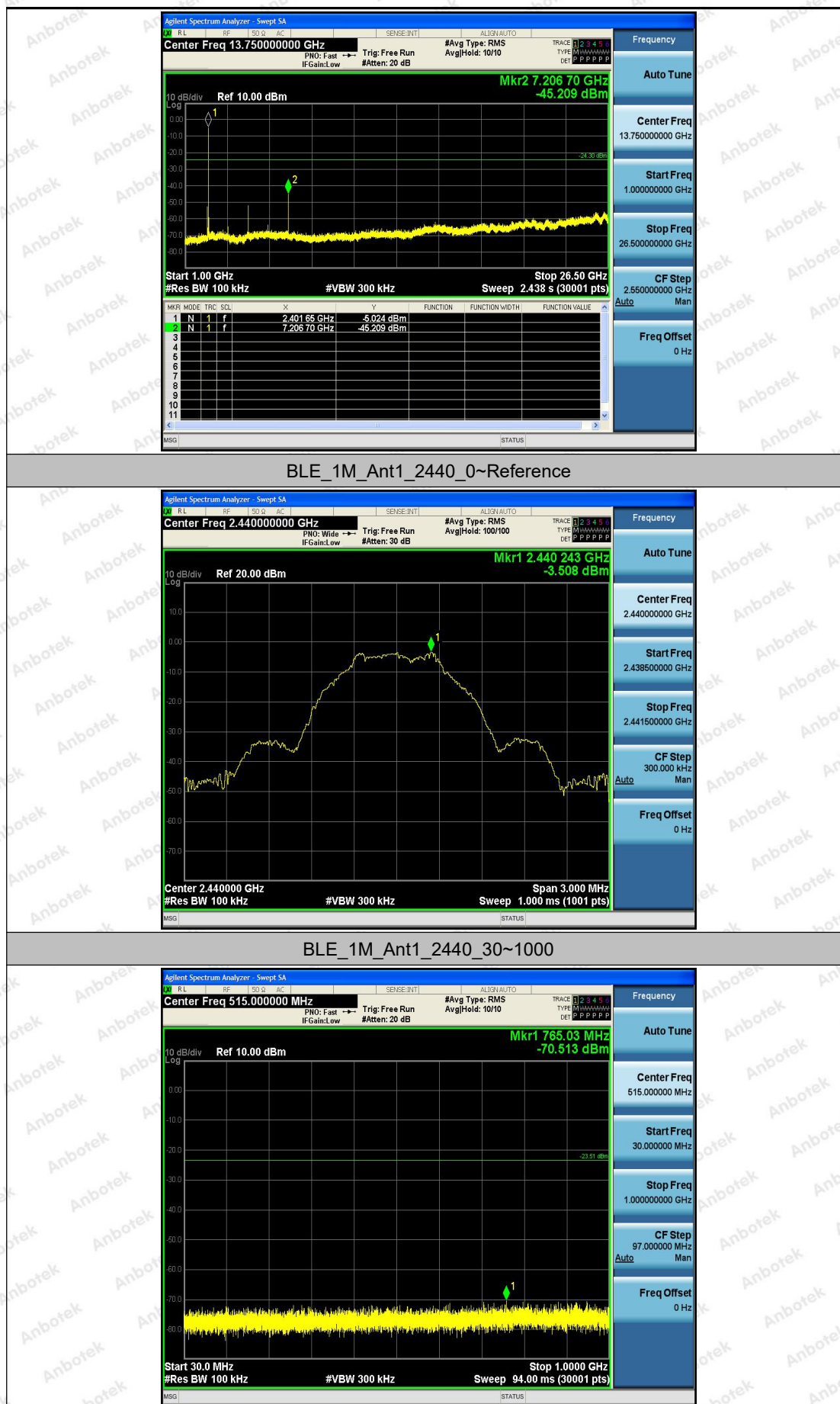
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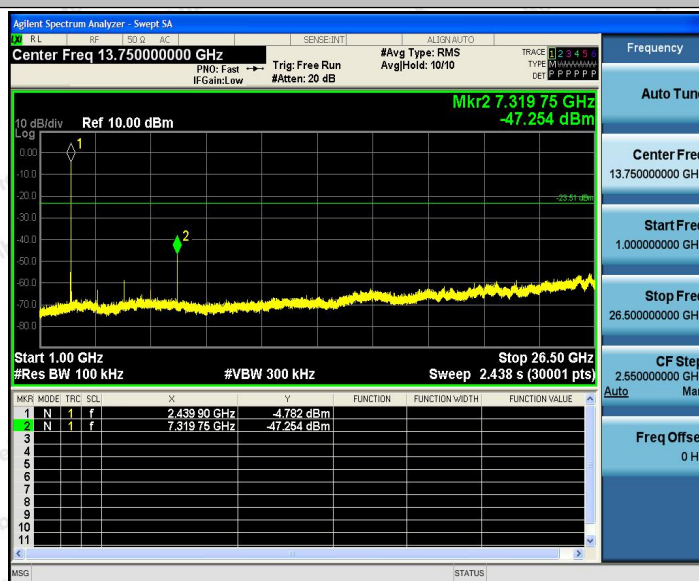
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



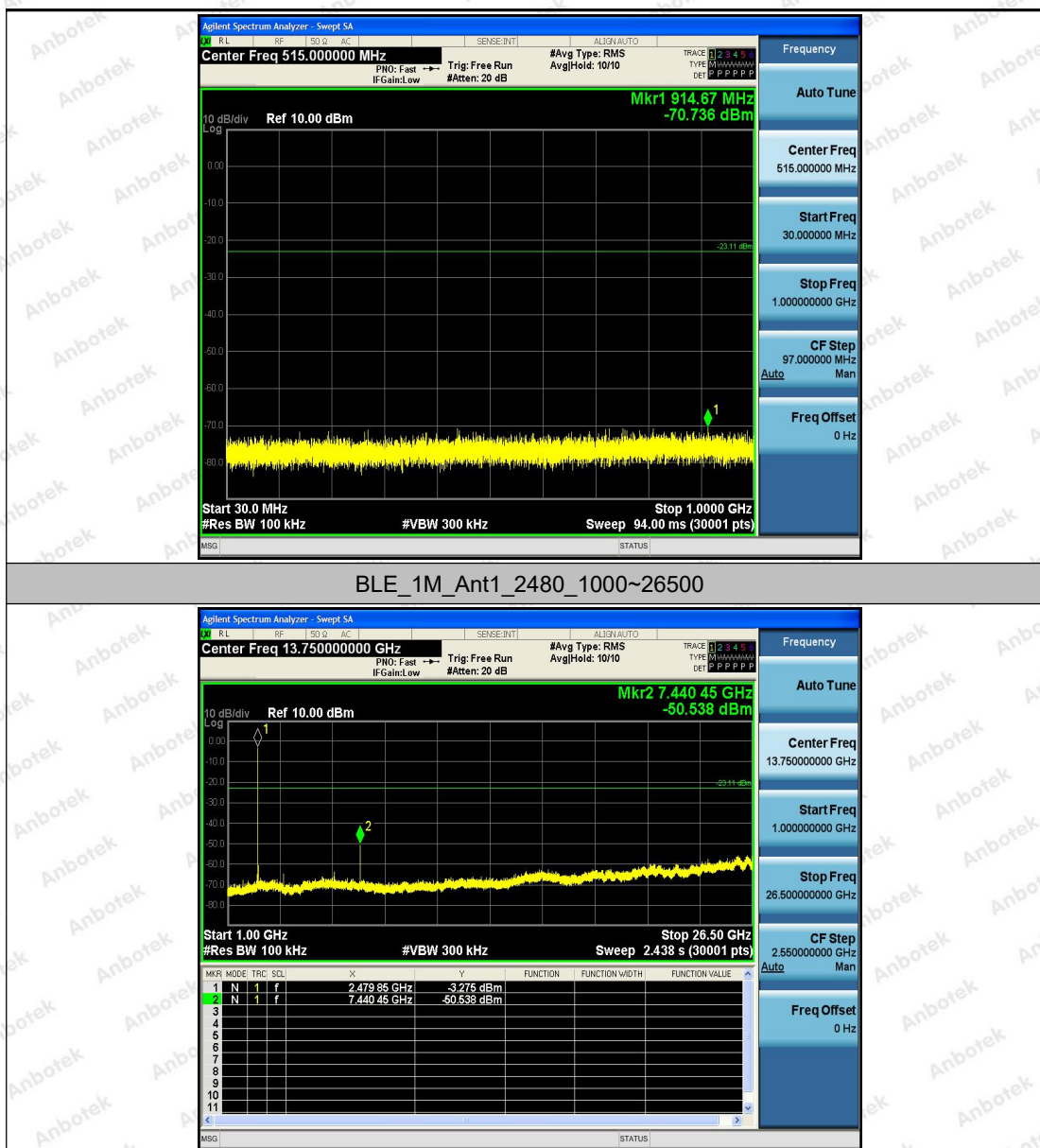
BLE_1M_Ant1_2480_30~1000

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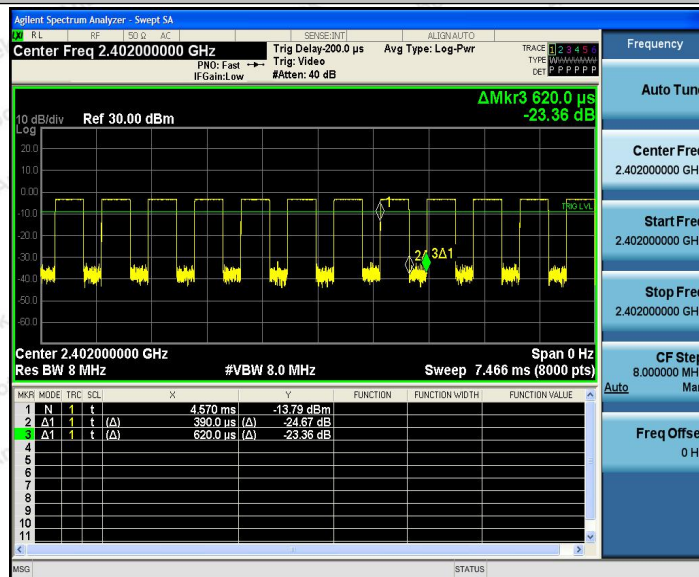
Appendix G: Duty Cycle

Test Result

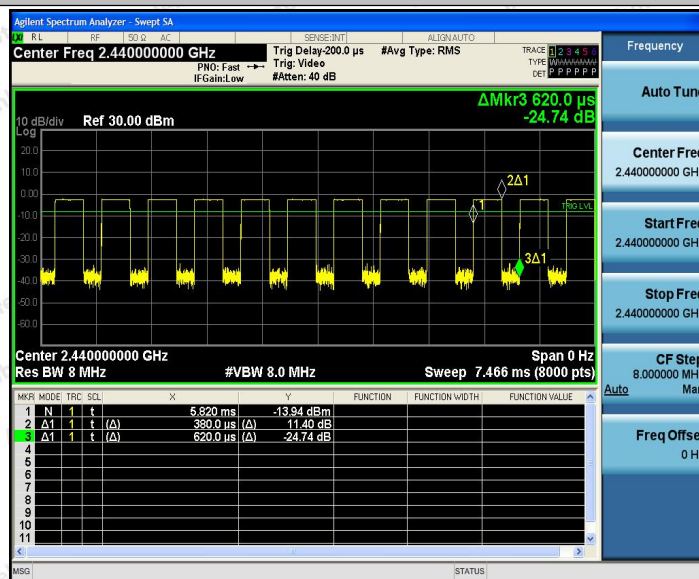
Test Mode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	X Factor	Limit	Verdict
BLE_1M	Ant1	2402	0.39	0.62	0.6290	62.90	2.01	---	PASS
		2440	0.38	0.62	0.6129	61.29	2.13	---	PASS
		2480	0.38	0.62	0.6129	61.29	2.13	---	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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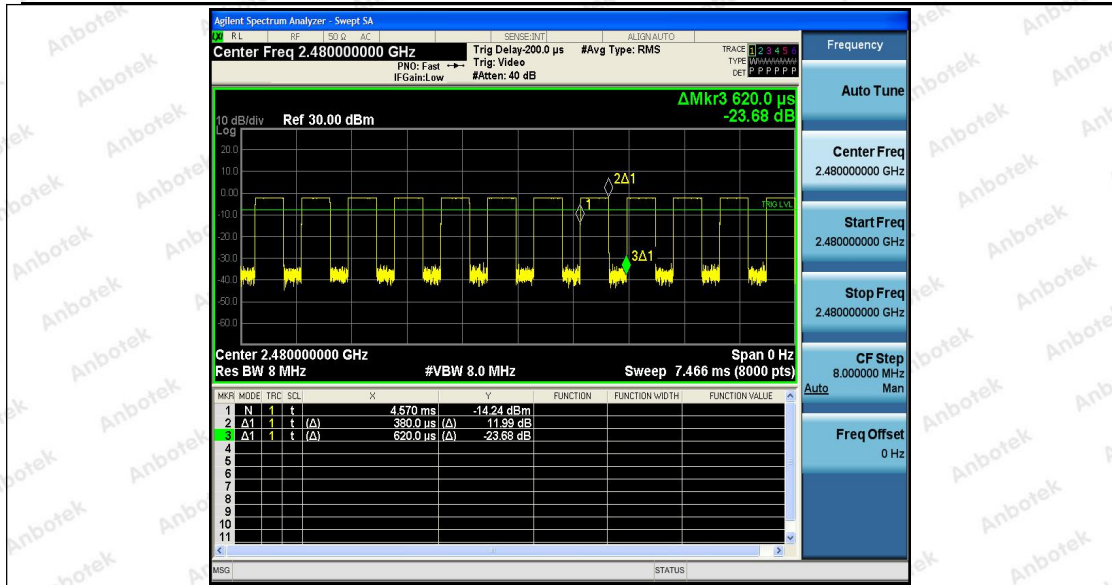
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