

Appendix Test Data

Report No.:	18220WC20119601	Test Sample No.:	1-2-2
Start Test Date:	2022.6.30	Finish Test Date:	2022.6.30
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	26.3C°	Relative Humidity:	57 %
Pressure:	1012 hPa		

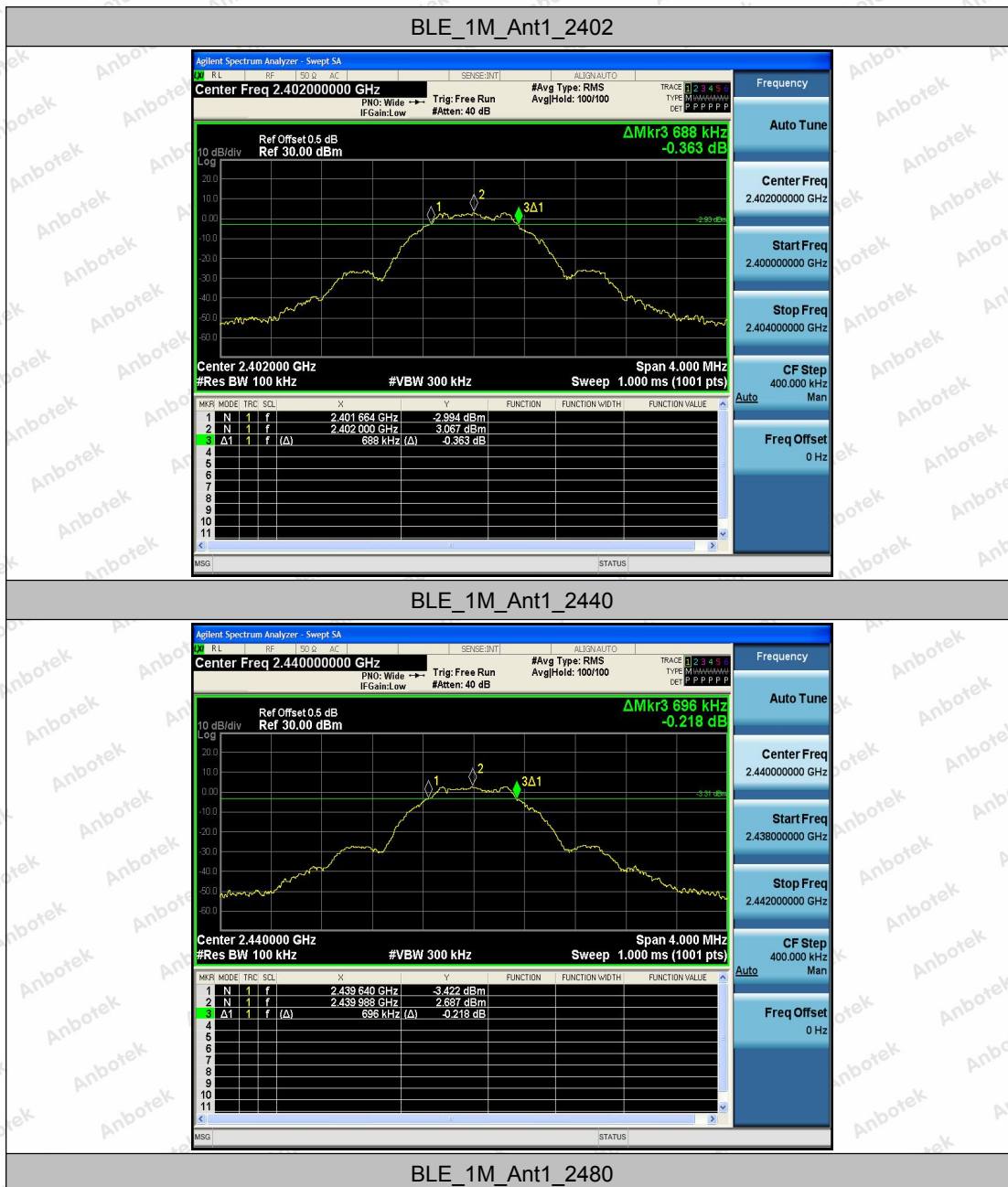
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.688	2401.664	2402.352	≥0.5	PASS
		2440	0.696	2439.640	2440.336	≥0.5	PASS
		2480	0.688	2479.660	2480.348	≥0.5	PASS



Test Graphs



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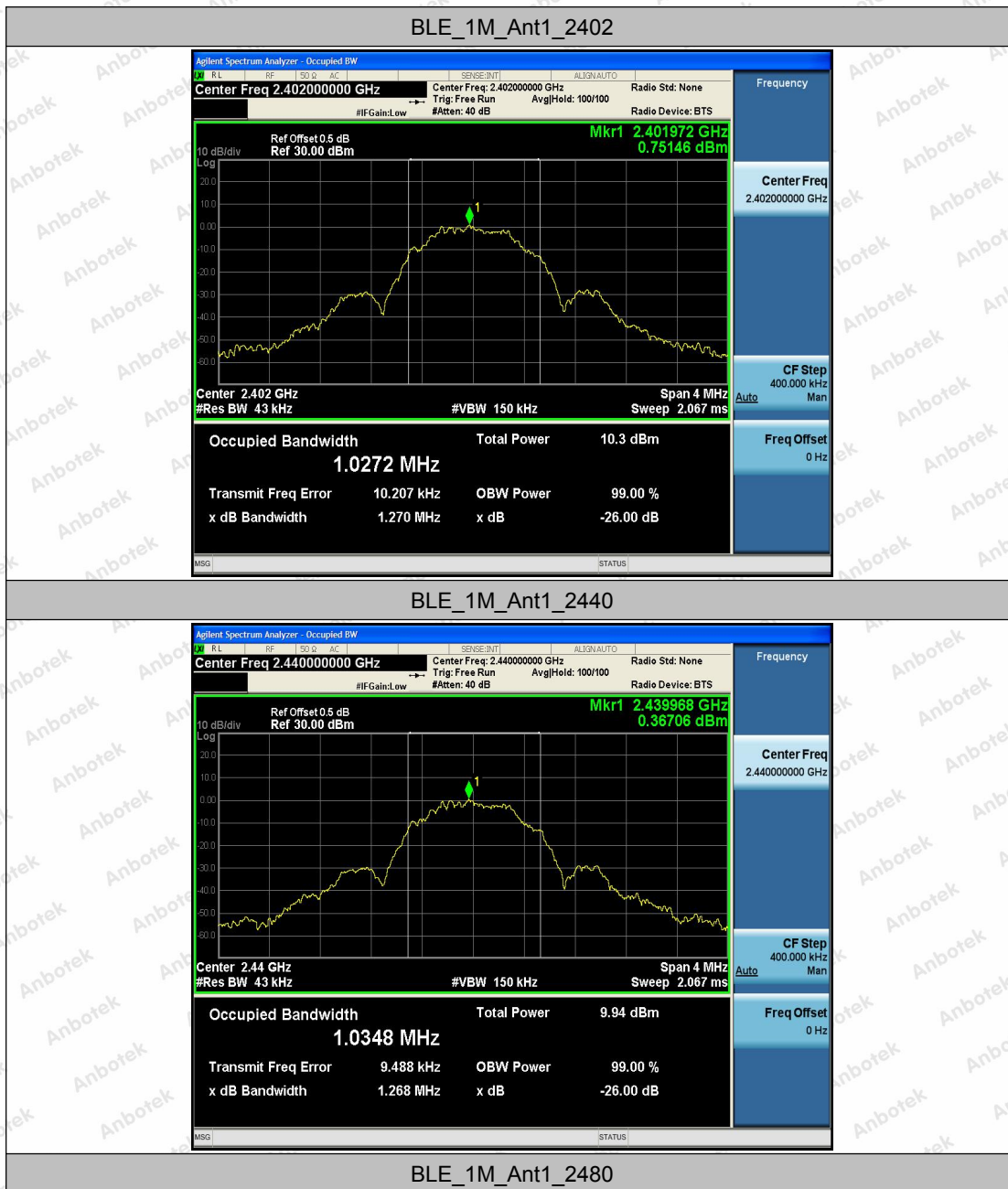
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0272	2401.497	2402.524	---	PASS
		2440	1.0348	2439.492	2440.527	---	PASS
		2480	1.0263	2479.495	2480.521	---	PASS



Test Graphs



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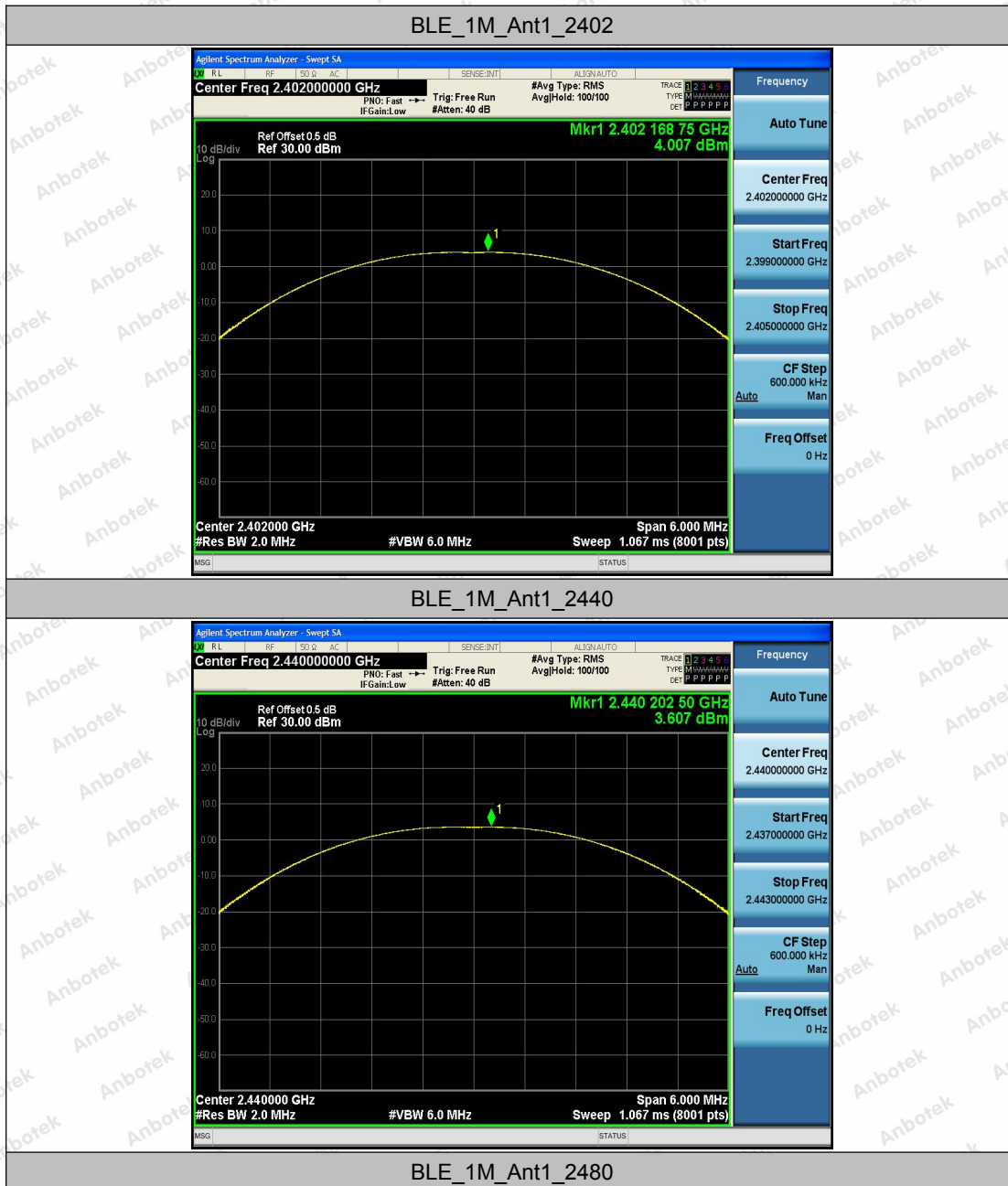
Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	4.01	≤30	PASS
		2440	3.61	≤30	PASS
		2480	3.61	≤30	PASS



Test Graphs



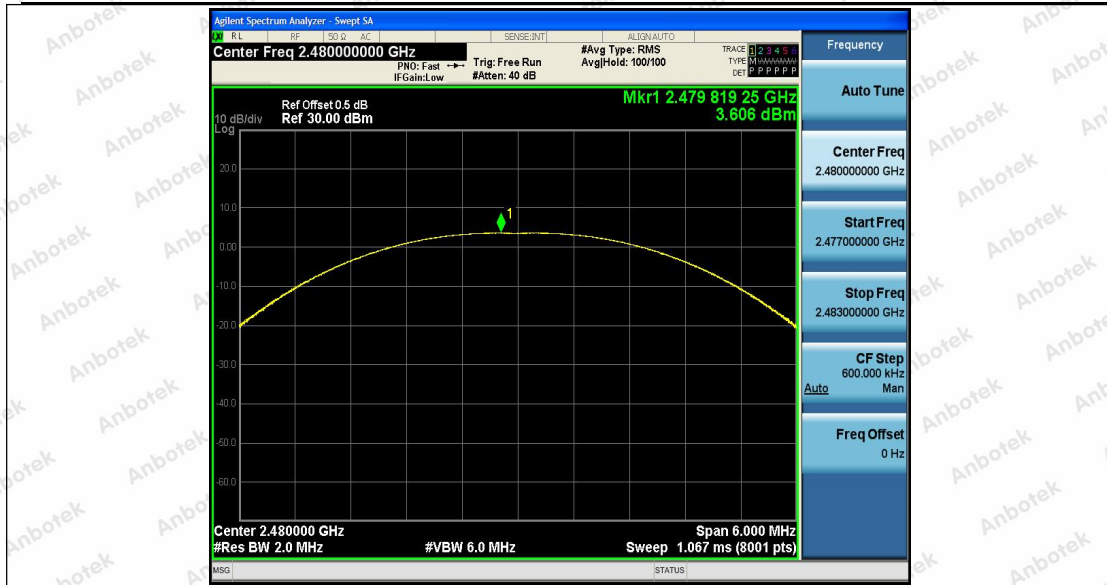
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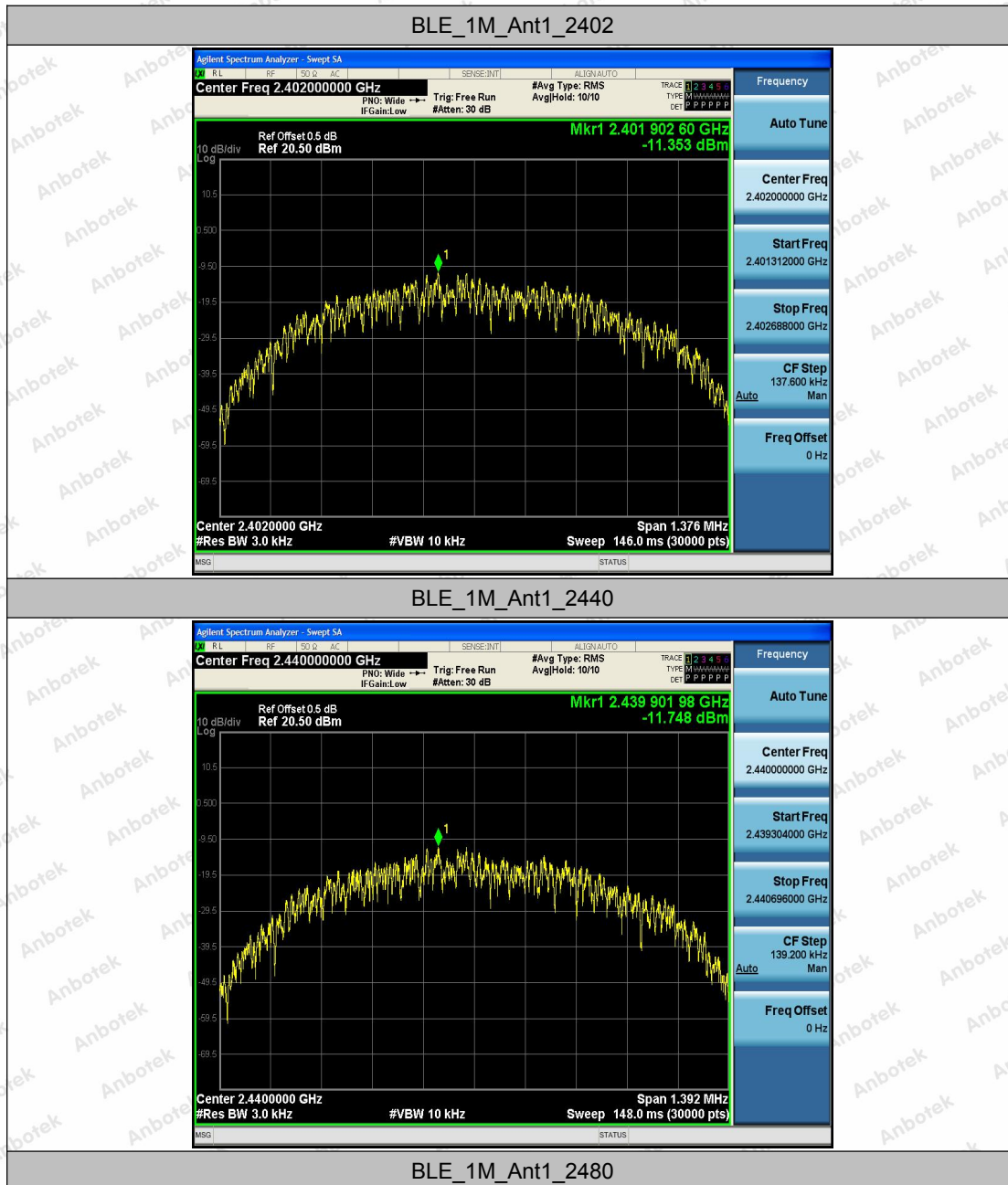
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-11.35	≤8	PASS
		2440	-11.75	≤8	PASS
		2480	-12.12	≤8	PASS



Test Graphs



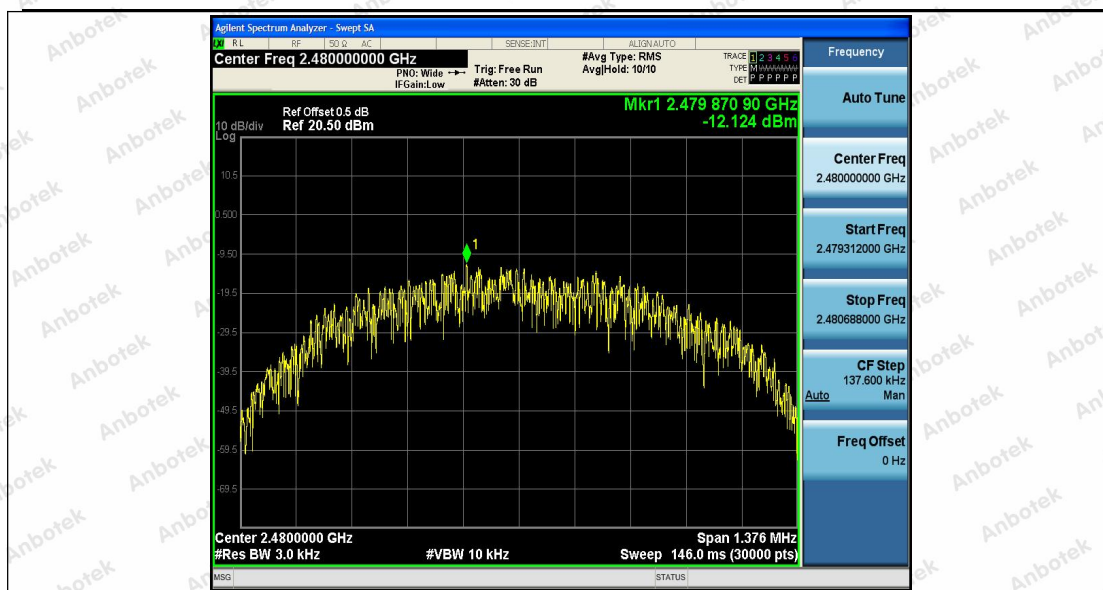
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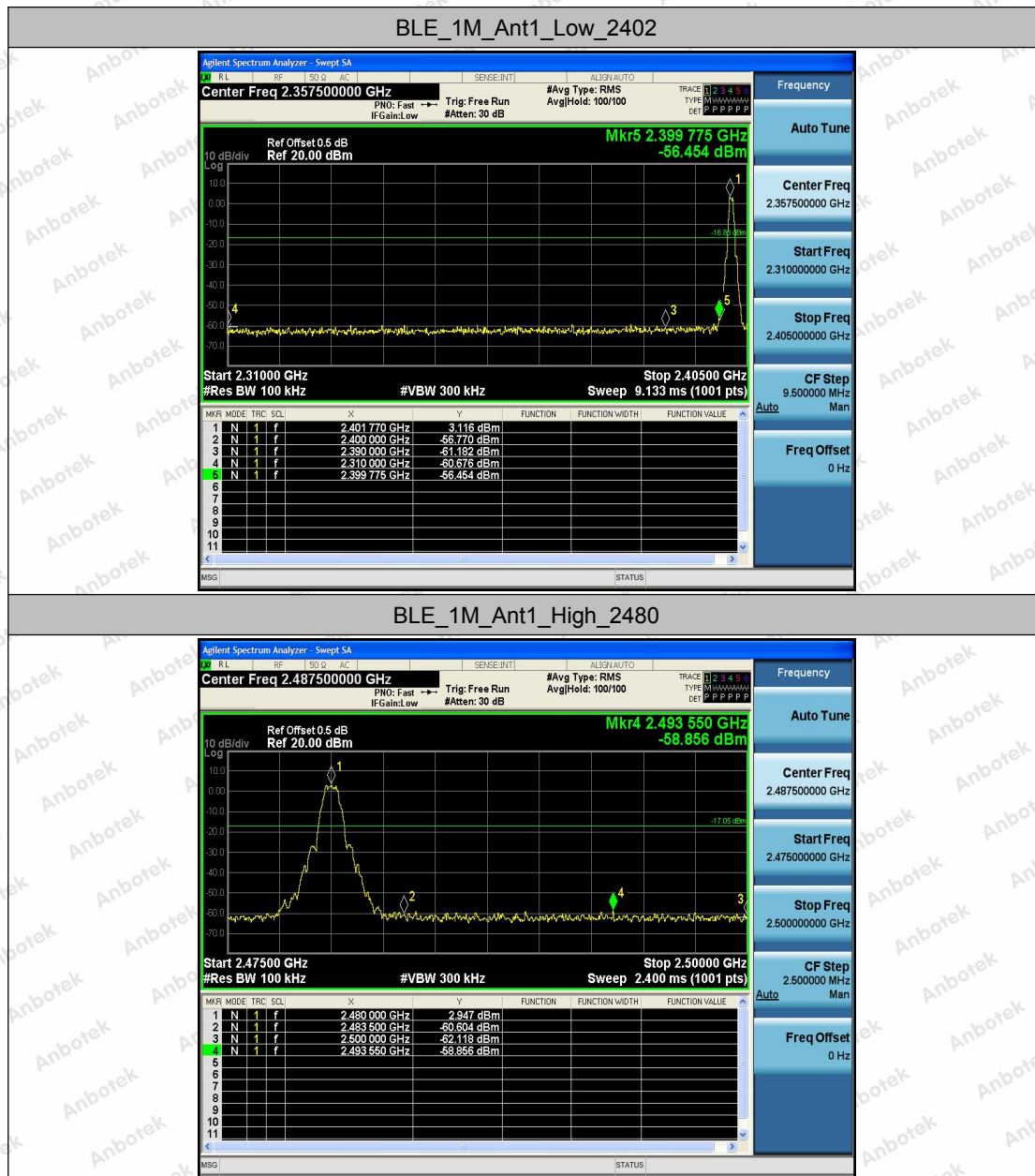
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	3.12	-56.45	≤ -16.88	PASS
		High	2480	2.95	-58.86	≤ -17.05	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	3.05	3.05	---	PASS
			30~1000	3.05	-69.1	≤-16.95	PASS
			1000~265 00	3.05	-55.15	≤-16.95	PASS
		2440	Reference	2.63	2.63	---	PASS
			30~1000	2.63	-69.68	≤-17.37	PASS
			1000~265 00	2.63	-55.29	≤-17.37	PASS
		2480	Reference	2.54	2.54	---	PASS
			30~1000	2.54	-69.19	≤-17.46	PASS
			1000~265 00	2.54	-55.12	≤-17.46	PASS

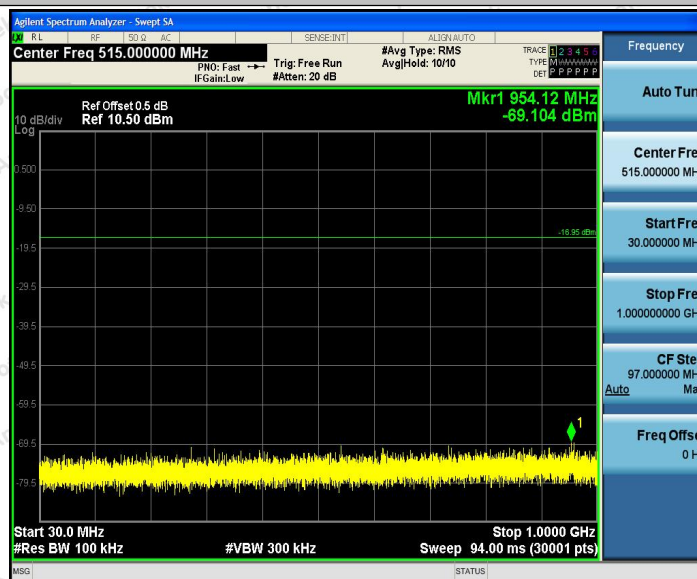


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

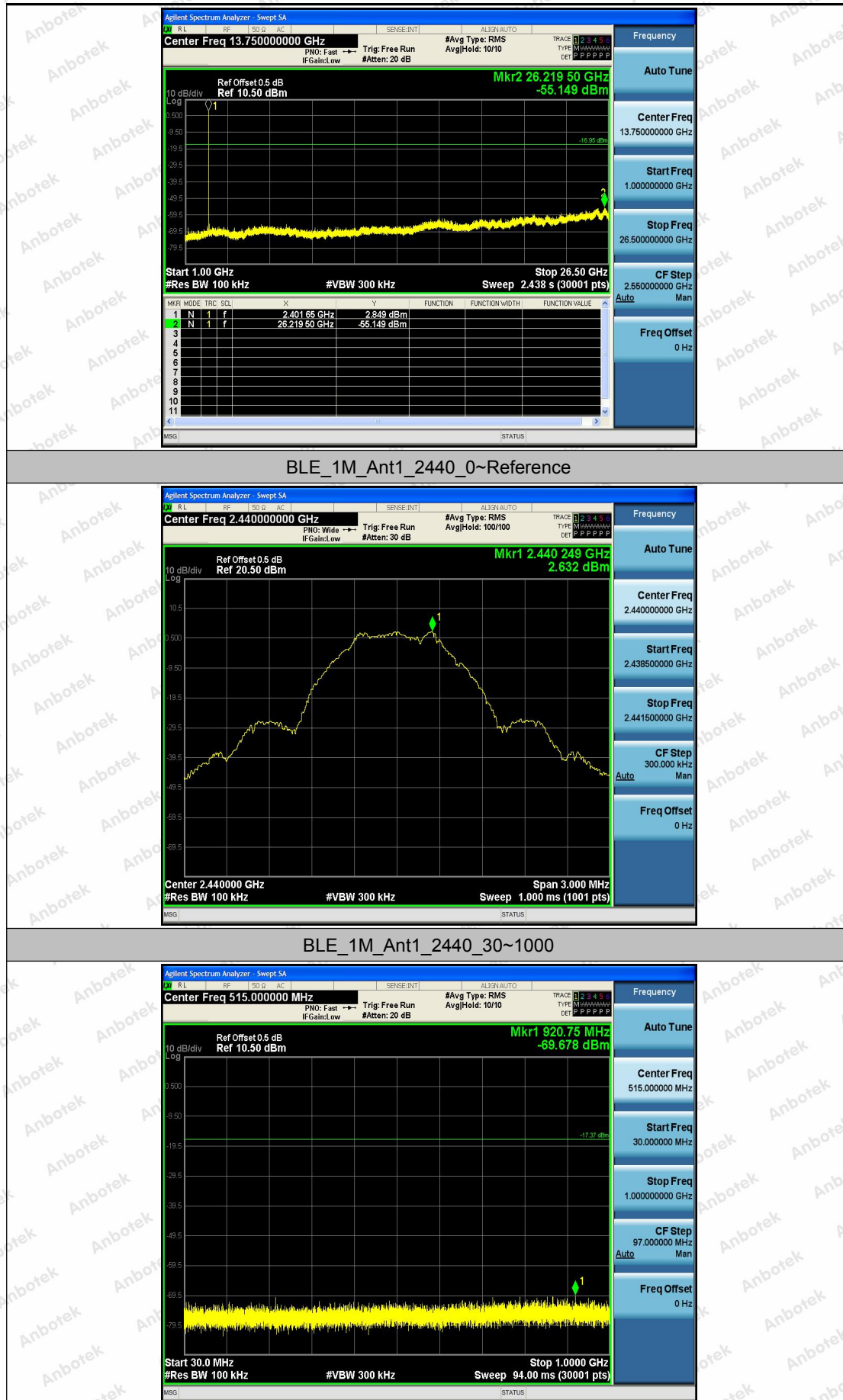
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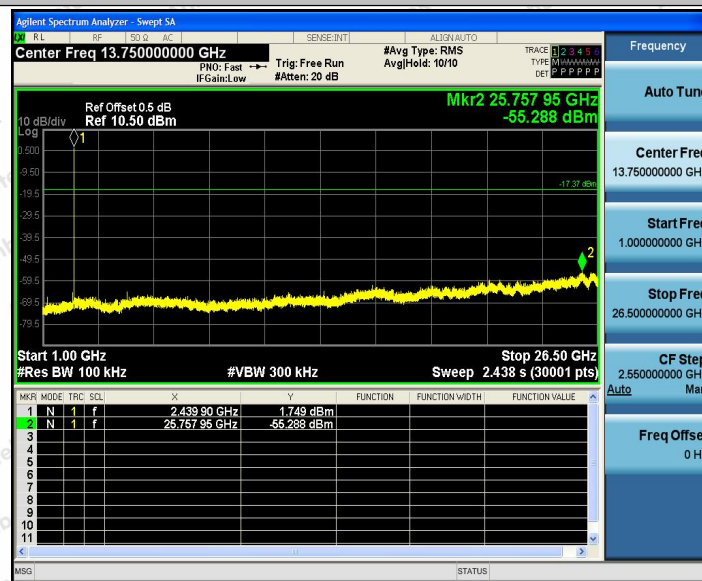
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000

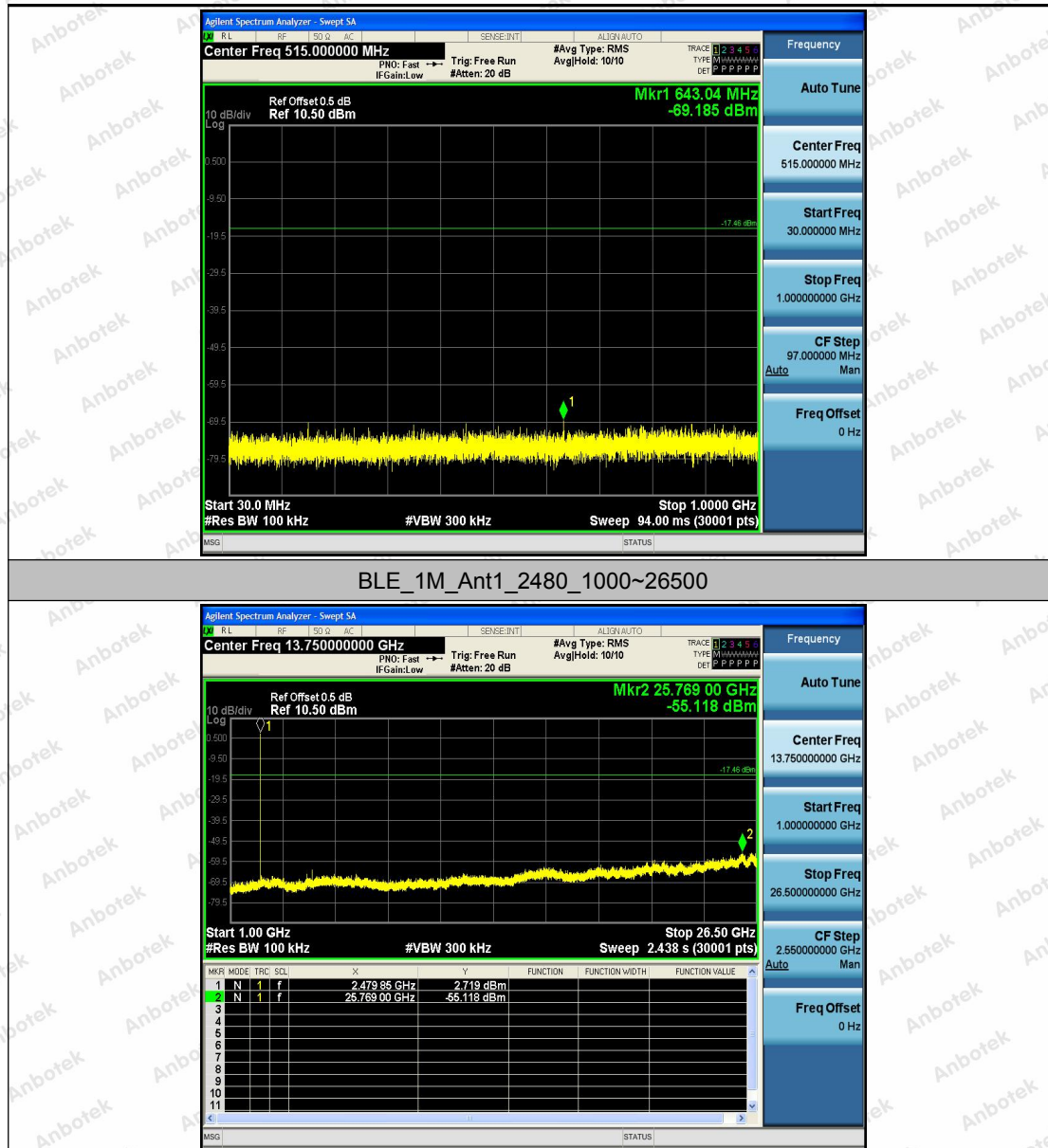
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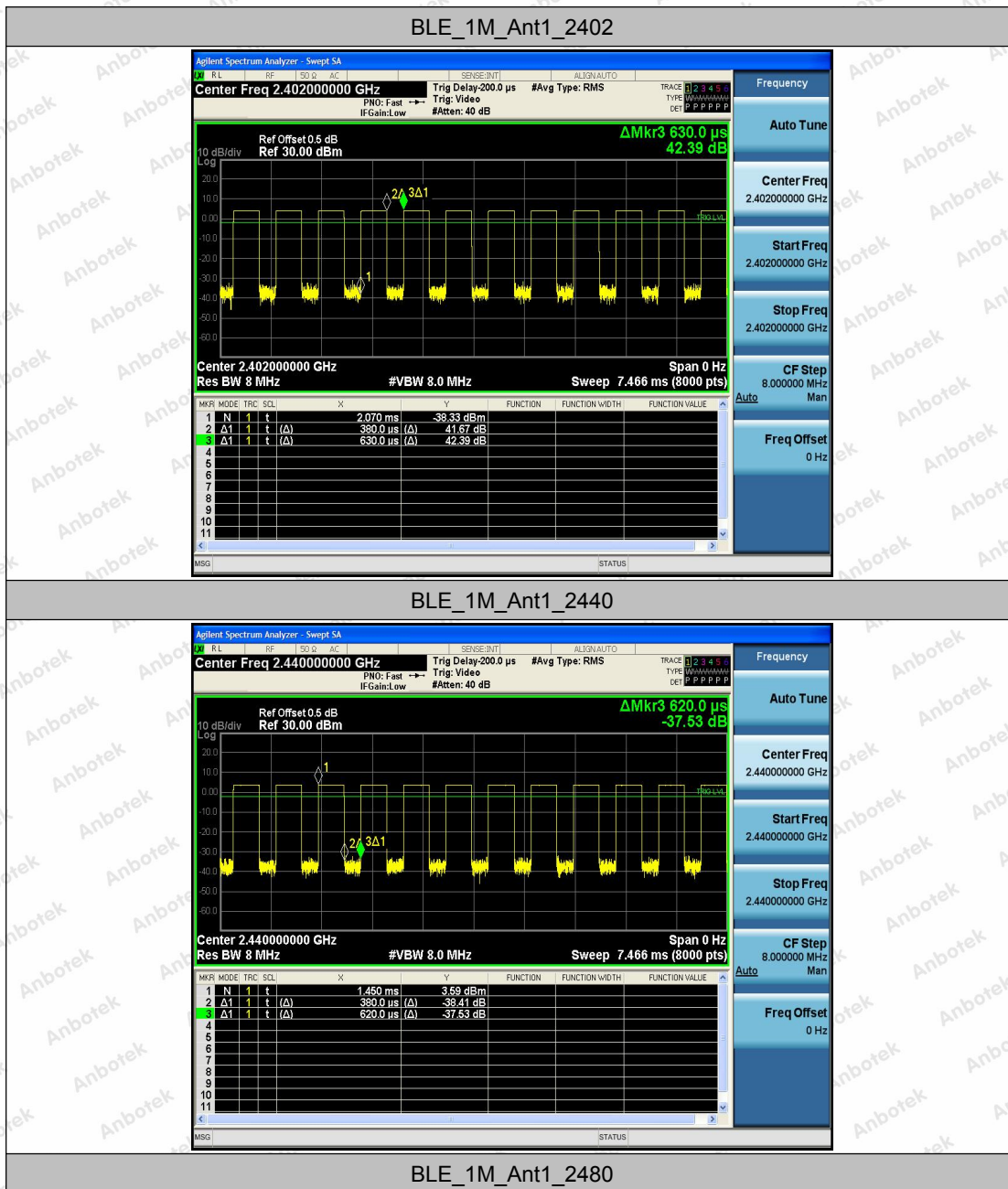
Appendix G: Duty Cycle

Test Result

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



Test Graphs



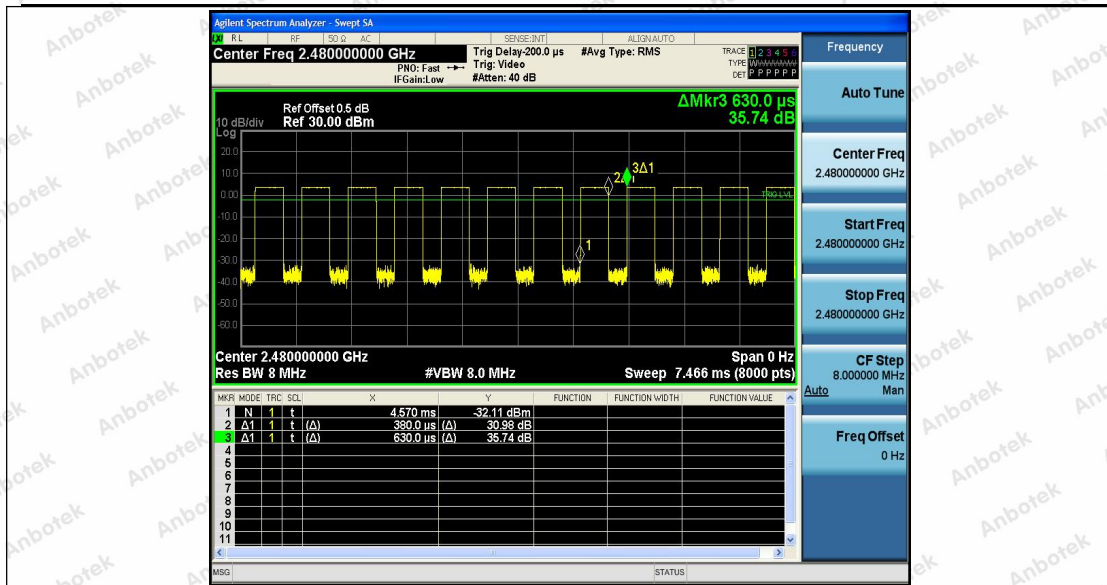
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