

## Appendix Test Data

Report No.:	18220WC20066401	Test Sample No.:	1-2-2
Start Test Date:	2022.4.1	Finish Test Date:	2022.4.8
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	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
11B	Ant1	2412	9.160	2407.400	2416.560	≥0.5	PASS
		2437	9.120	2432.440	2441.560	≥0.5	PASS
		2462	9.160	2457.440	2466.600	≥0.5	PASS
11G	Ant1	2412	16.400	2403.800	2420.200	≥0.5	PASS
		2437	16.400	2428.800	2445.200	≥0.5	PASS
		2462	16.440	2453.800	2470.240	≥0.5	PASS

## Test Graphs

11B\_Ant1\_2412



11B\_Ant1\_2437

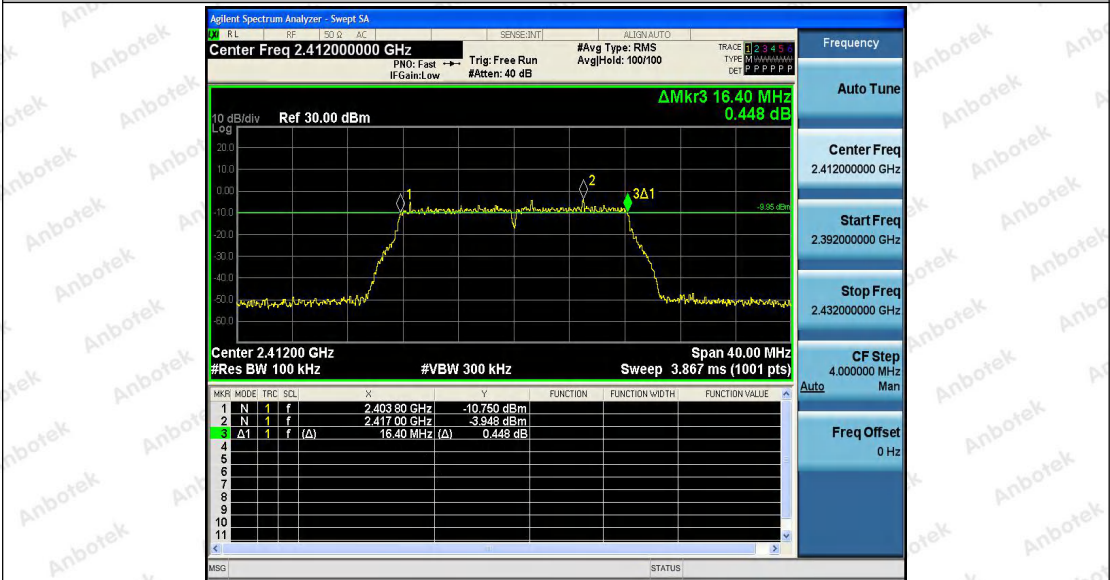


11B\_Ant1\_2462

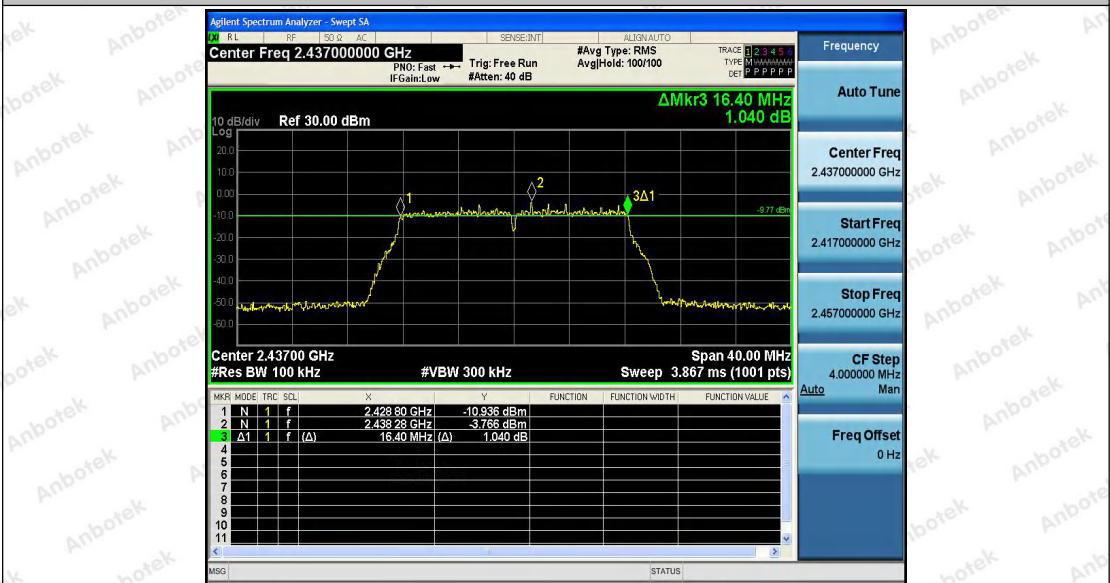




11G\_Ant1\_2412



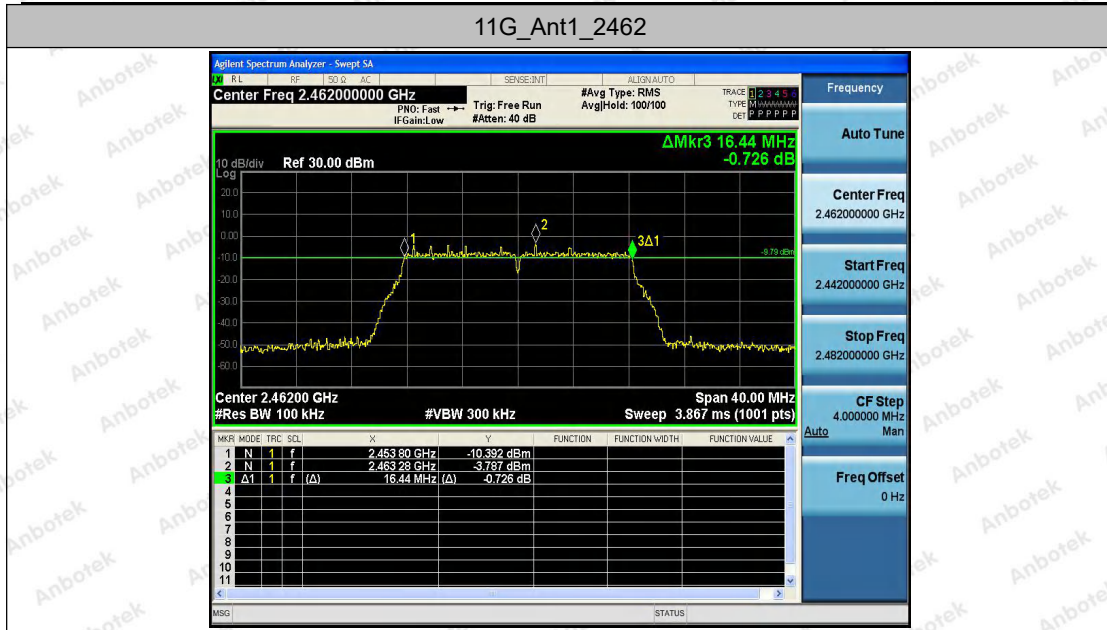
11G\_Ant1\_2437



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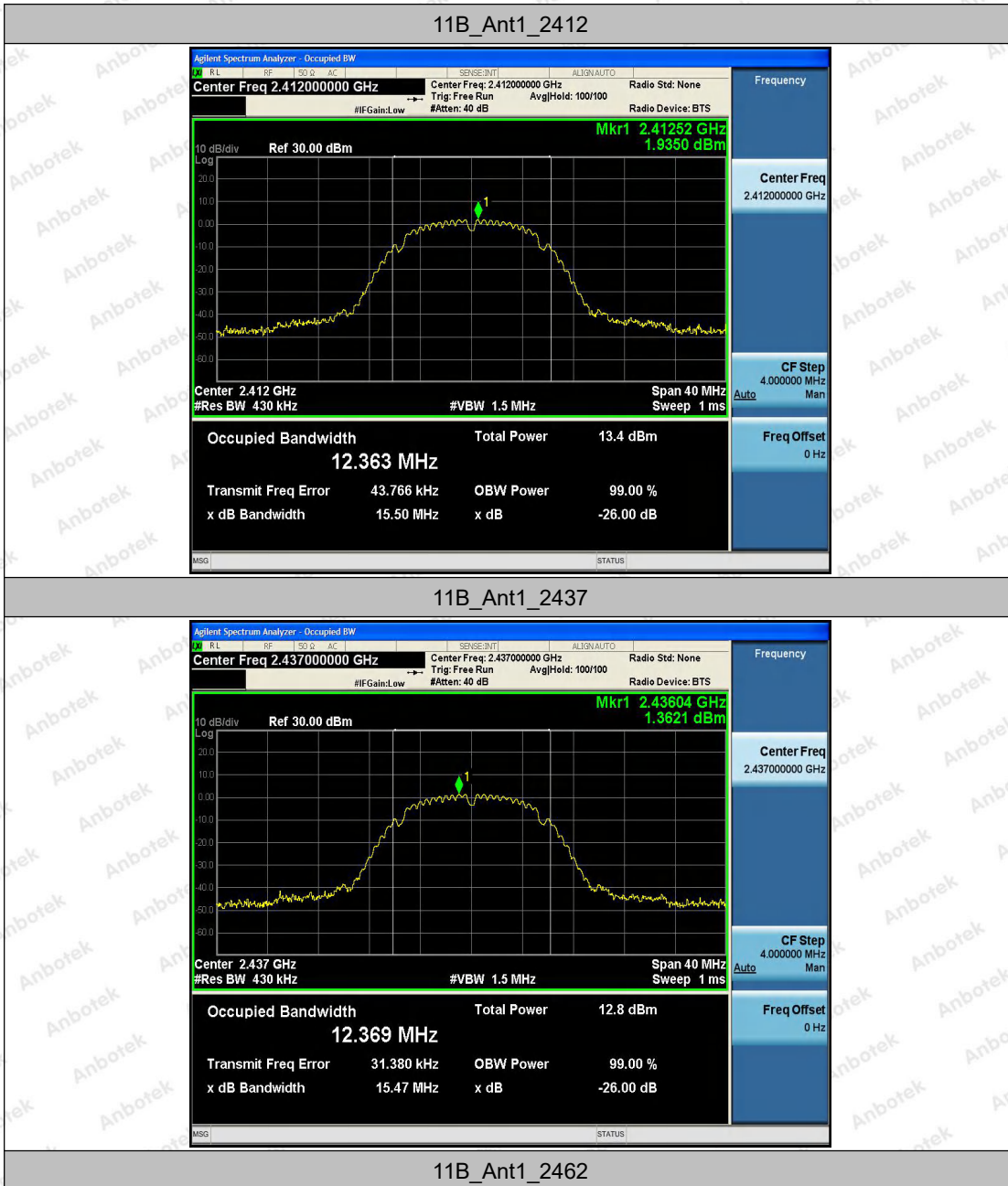
## Appendix B: Occupied Channel Bandwidth

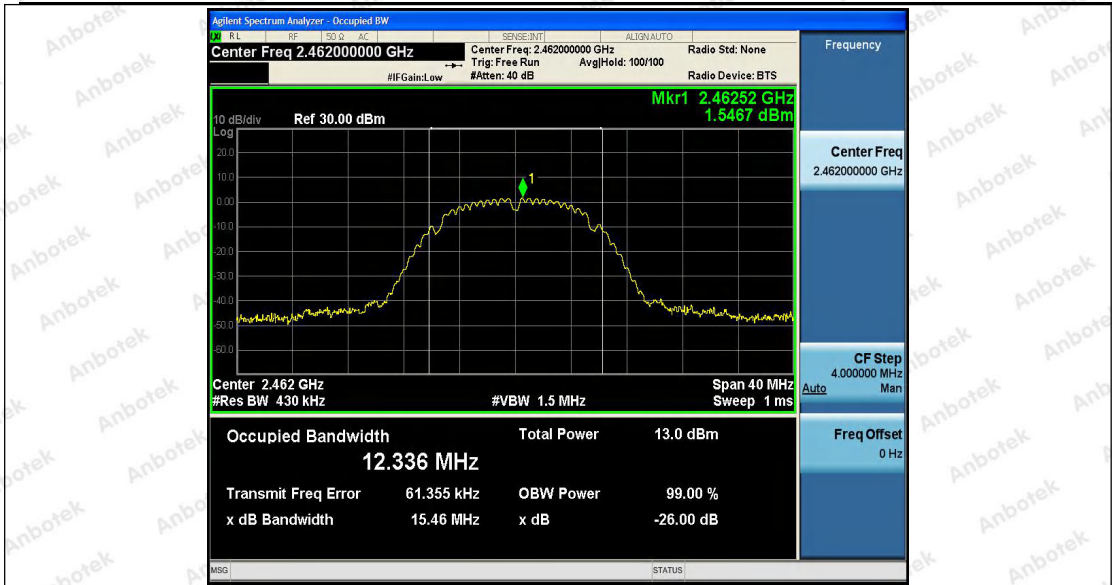
### Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.363	2405.862	2418.225	---	PASS
		2437	12.369	2430.847	2443.216	---	PASS
		2462	12.336	2455.893	2468.229	---	PASS
11G	Ant1	2412	17.161	2403.472	2420.633	---	PASS
		2437	17.045	2428.561	2445.606	---	PASS
		2462	17.155	2453.389	2470.544	---	PASS

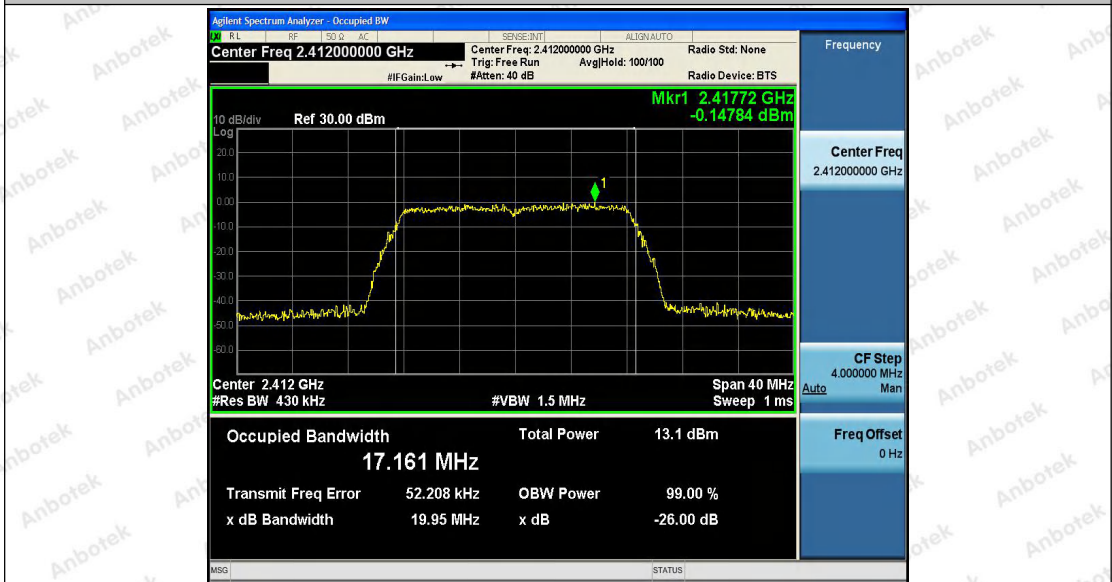


## Test Graphs

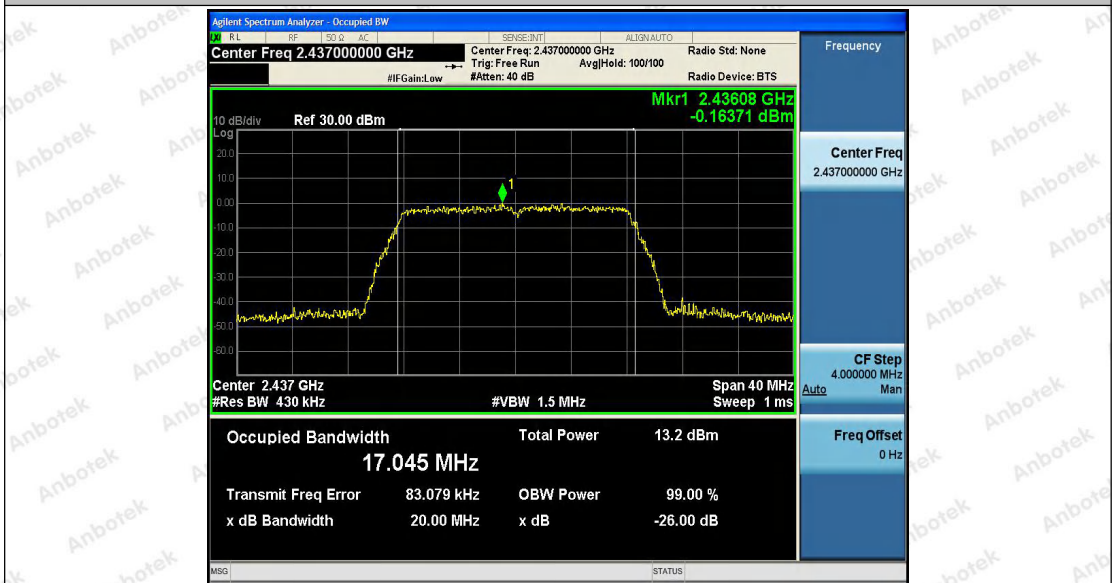




11G\_Ant1\_2412



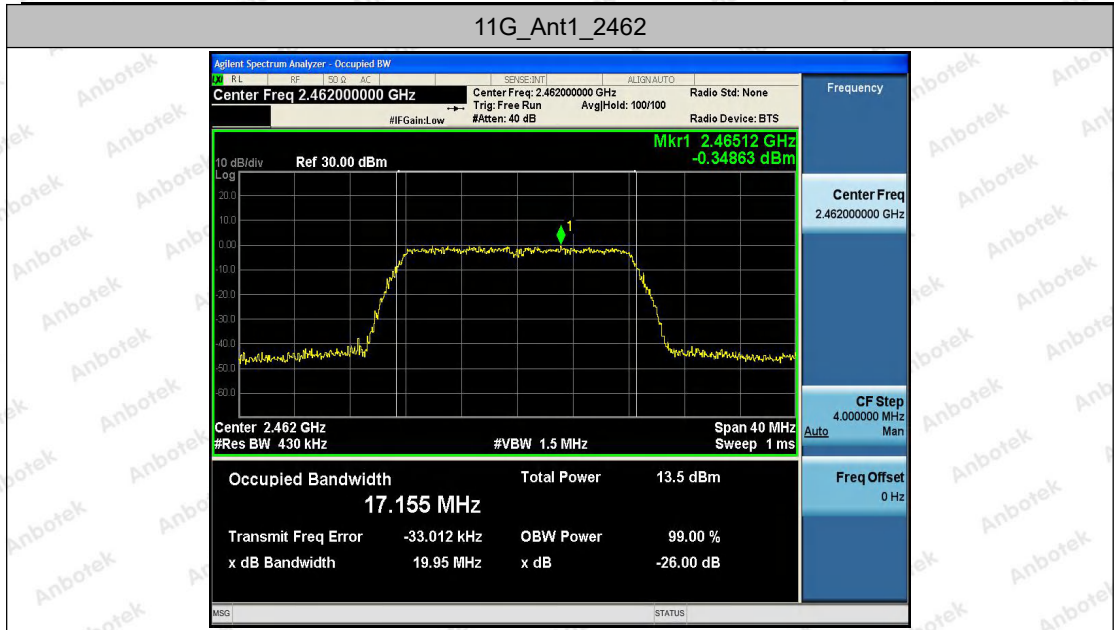
11G\_Ant1\_2437



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## Appendix C: Maximum conducted output power

### Test Result

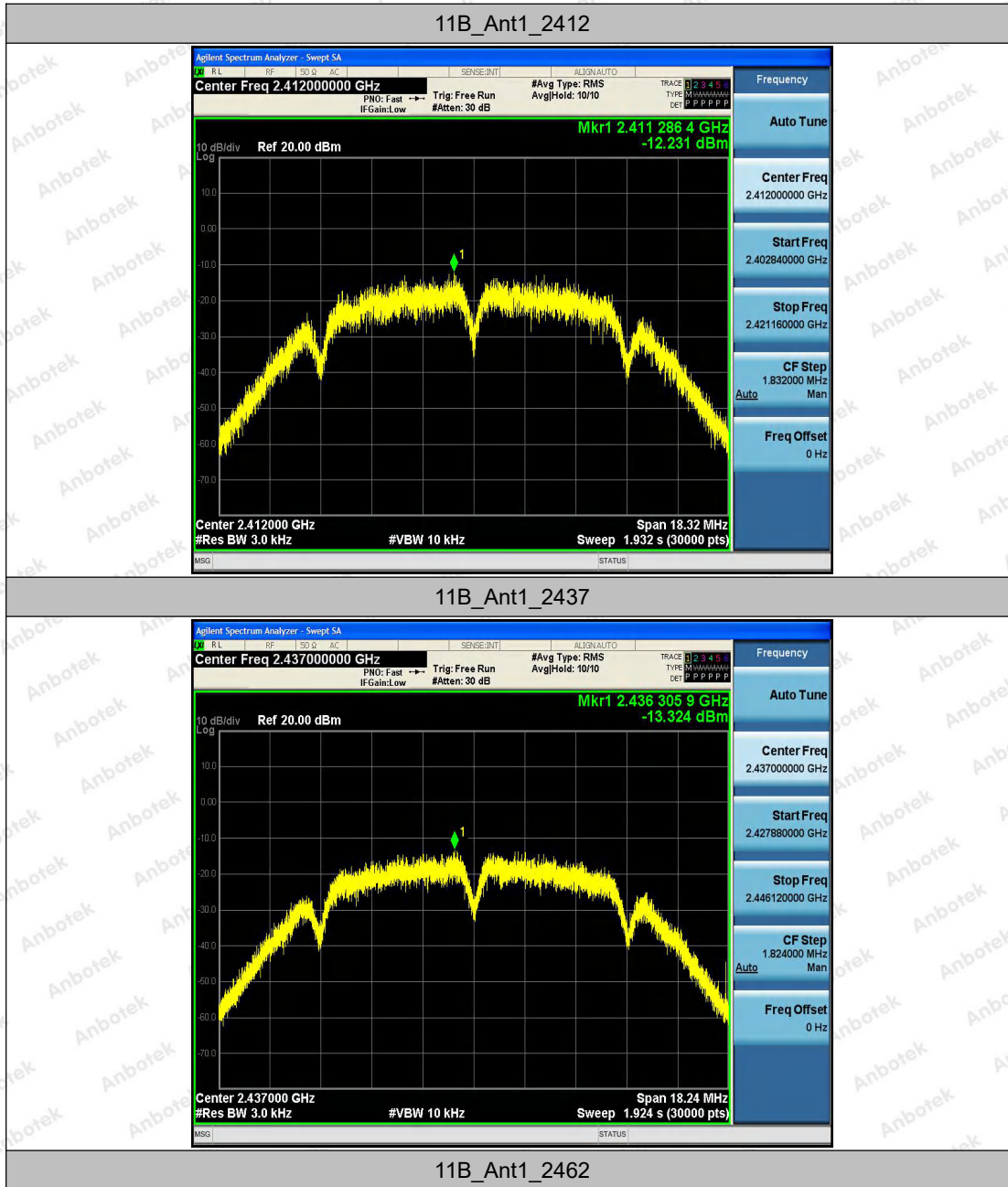
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	13.37	≤30	PASS
		2437	12.81	≤30	PASS
		2462	12.96	≤30	PASS
11G	Ant1	2412	14.27	≤30	PASS
		2437	14.23	≤30	PASS
		2462	14.56	≤30	PASS

## Appendix D: Maximum power spectral density

### Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-12.23	≤8	PASS
		2437	-13.32	≤8	PASS
		2462	-13.13	≤8	PASS
11G	Ant1	2412	-18.27	≤8	PASS
		2437	-18.5	≤8	PASS
		2462	-18.39	≤8	PASS

## Test Graphs



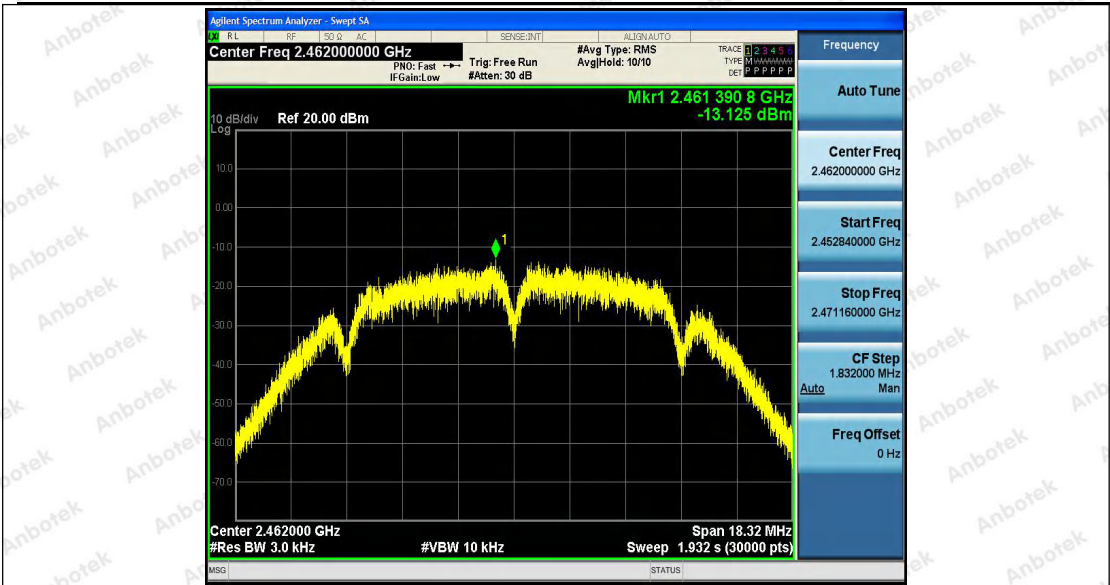
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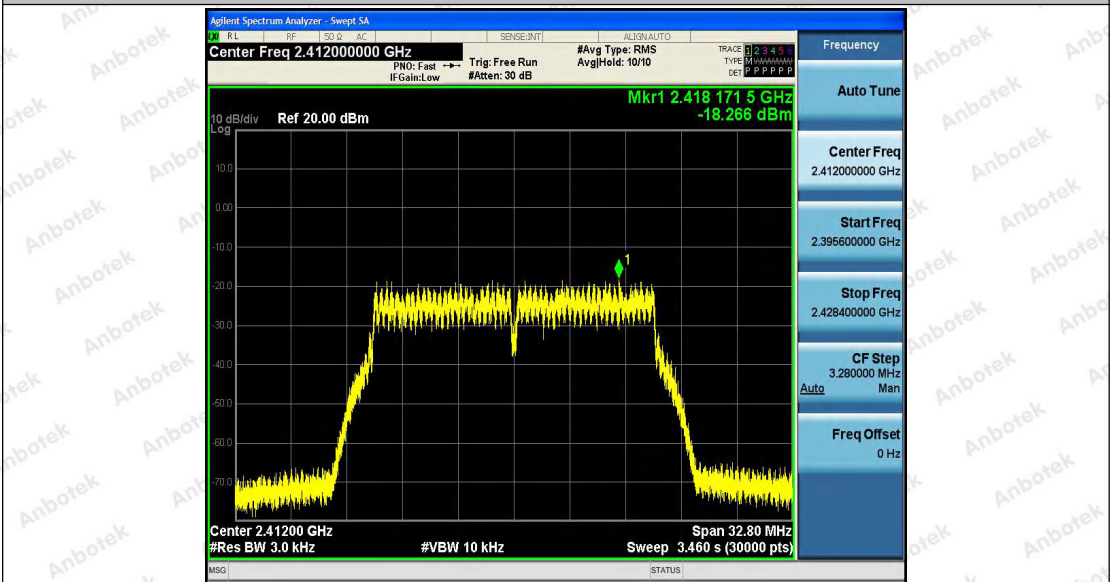
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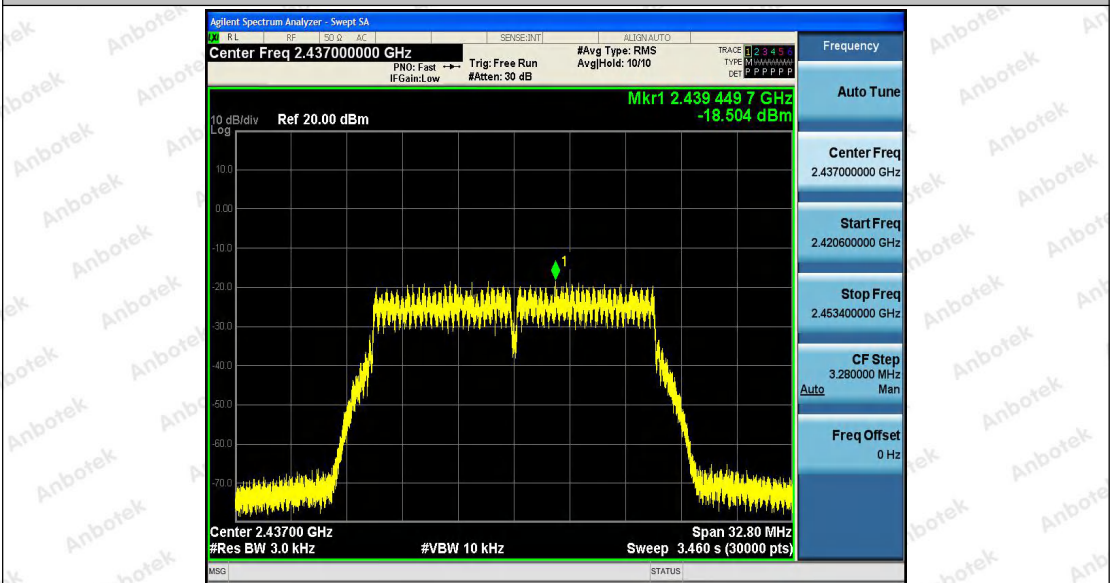




11G\_Ant1\_2412



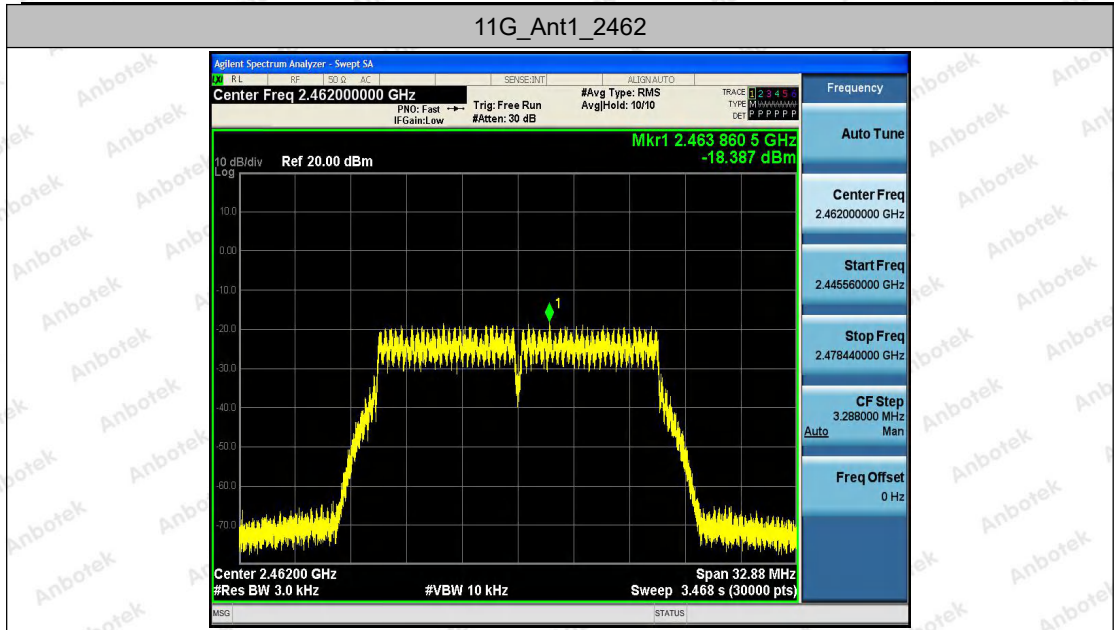
11G\_Ant1\_2437



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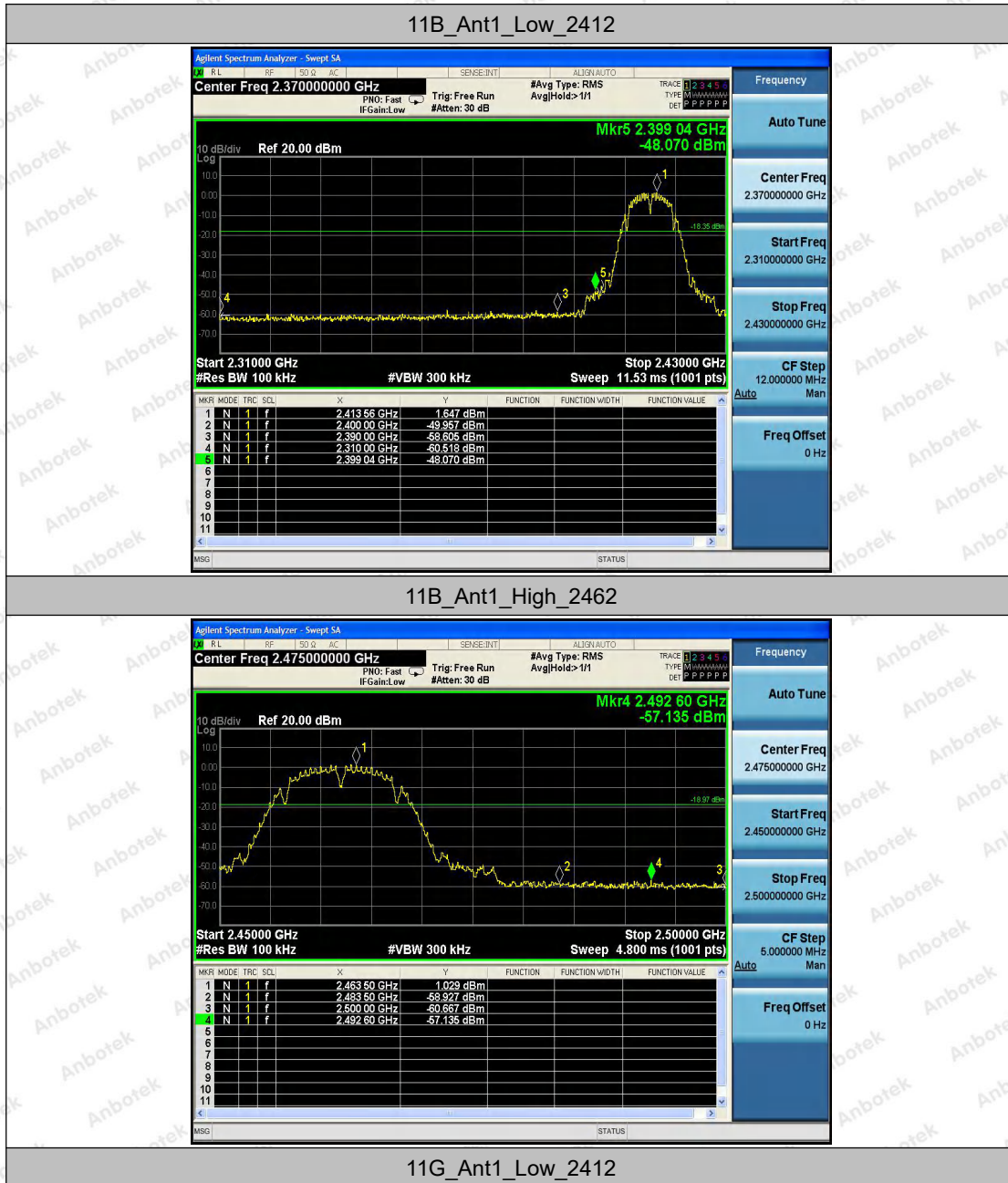
## Appendix E: Band edge measurements

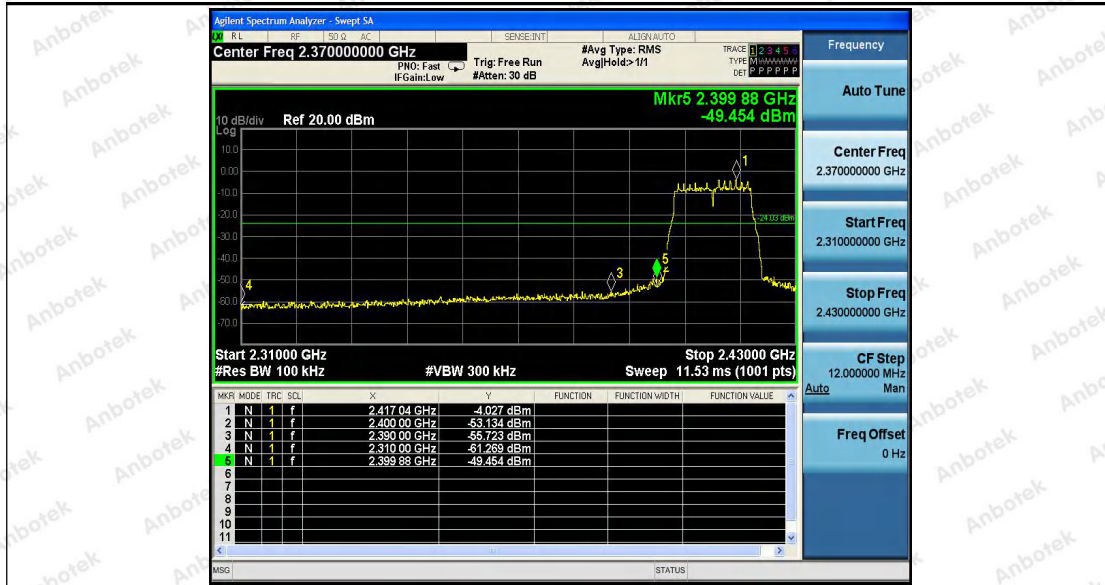
### Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	1.65	-48.07	≤-18.35	PASS
		High	2462	1.03	-57.14	≤-18.97	PASS
11G	Ant1	Low	2412	-4.03	-49.45	≤-24.03	PASS
		High	2462	-3.93	-54.76	≤-23.93	PASS



## Test Graphs





11G\_Ant1\_High\_2462



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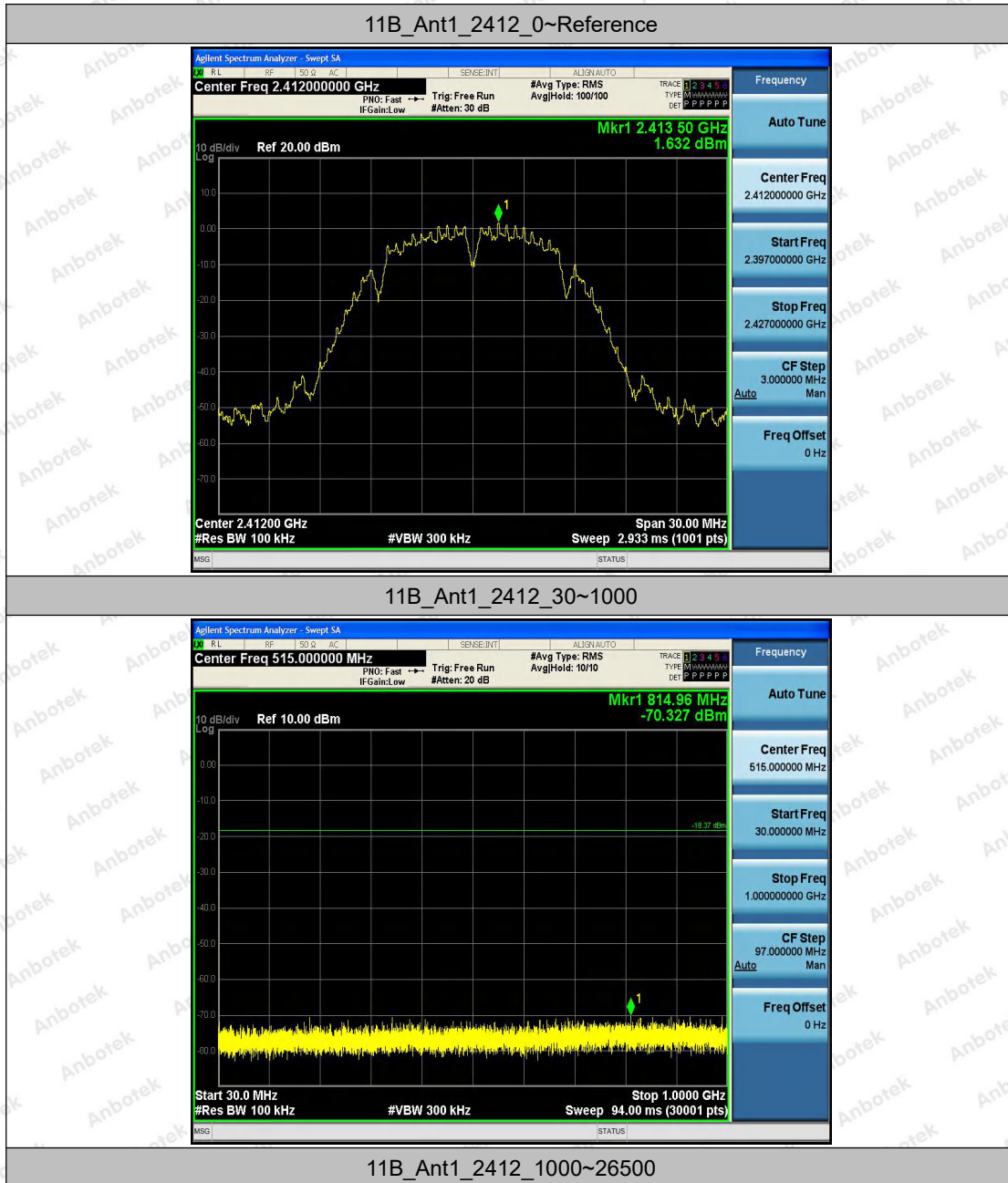
## Appendix F: Conducted Spurious Emission

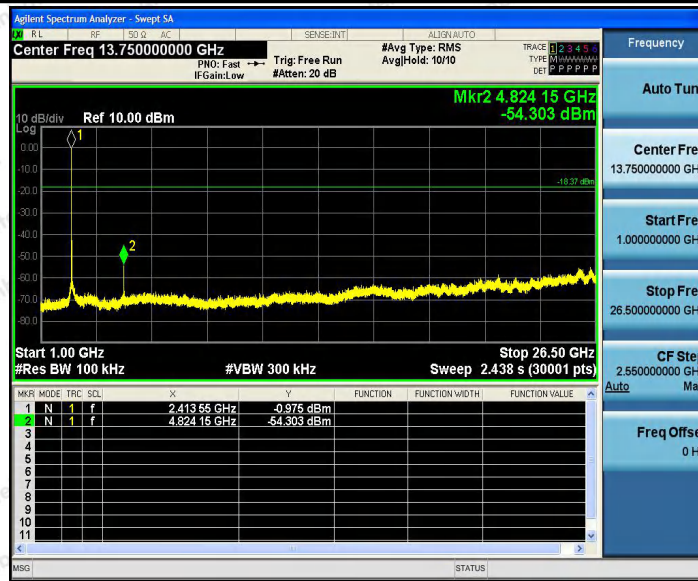
### Test Result

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	1.63	1.63	---	PASS
			30~1000	1.63	-70.33	≤-18.37	PASS
			1000~26500	1.63	-54.3	≤-18.37	PASS
		2437	Reference	1.09	1.09	---	PASS
			30~1000	1.09	-69.25	≤-18.91	PASS
			1000~26500	1.09	-55.17	≤-18.91	PASS
		2462	Reference	0.51	0.51	---	PASS
			30~1000	0.51	-70.17	≤-19.49	PASS
			1000~26500	0.51	-55.63	≤-19.49	PASS
11G	Ant1	2412	Reference	-4.50	-4.50	---	PASS
			30~1000	-4.50	-69.63	≤-24.5	PASS
			1000~26500	-4.50	-54.73	≤-24.5	PASS
		2437	Reference	-4.51	-4.51	---	PASS
			30~1000	-4.51	-69.03	≤-24.51	PASS
			1000~26500	-4.51	-55.82	≤-24.51	PASS
		2462	Reference	-3.93	-3.93	---	PASS
			30~1000	-3.93	-70.62	≤-23.93	PASS
			1000~26500	-3.93	-55.73	≤-23.93	PASS



## Test Graphs

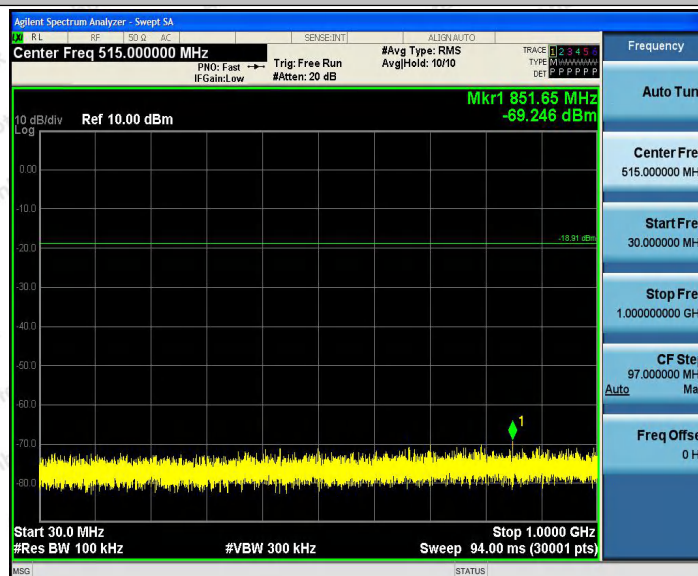




11B\_Ant1\_2437\_0~Reference



11B\_Ant1\_2437\_30~1000



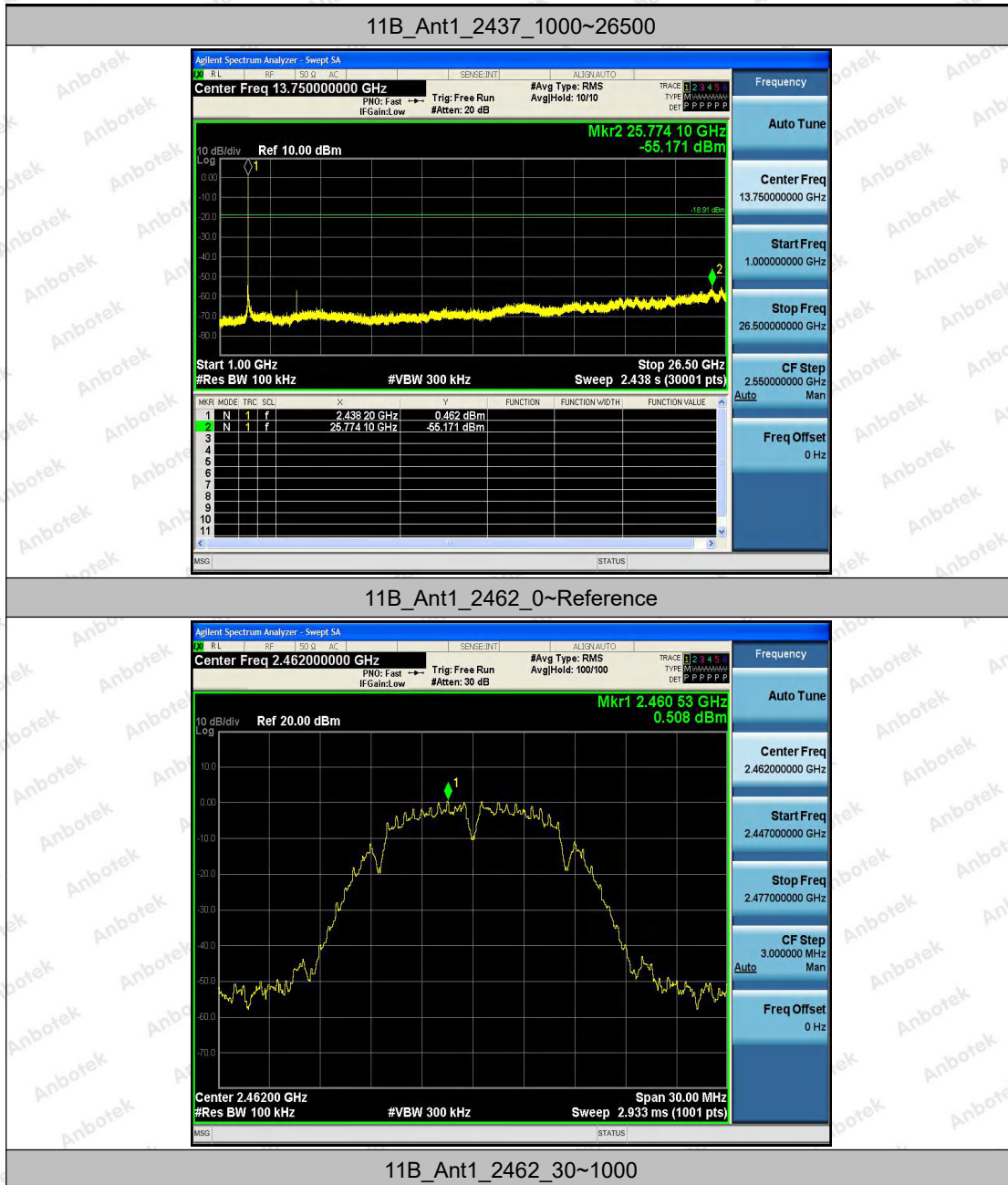
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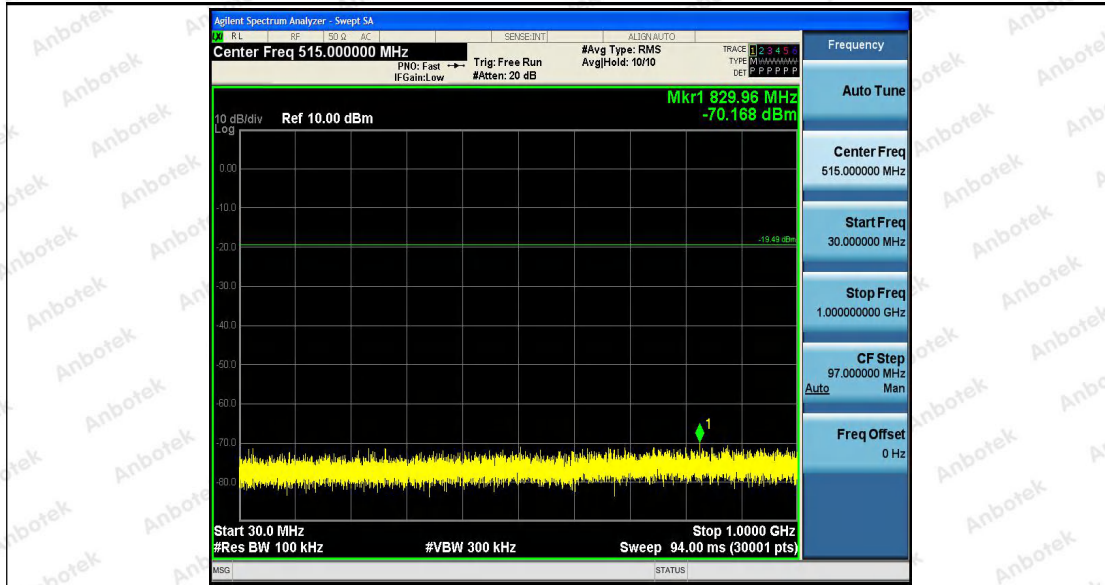


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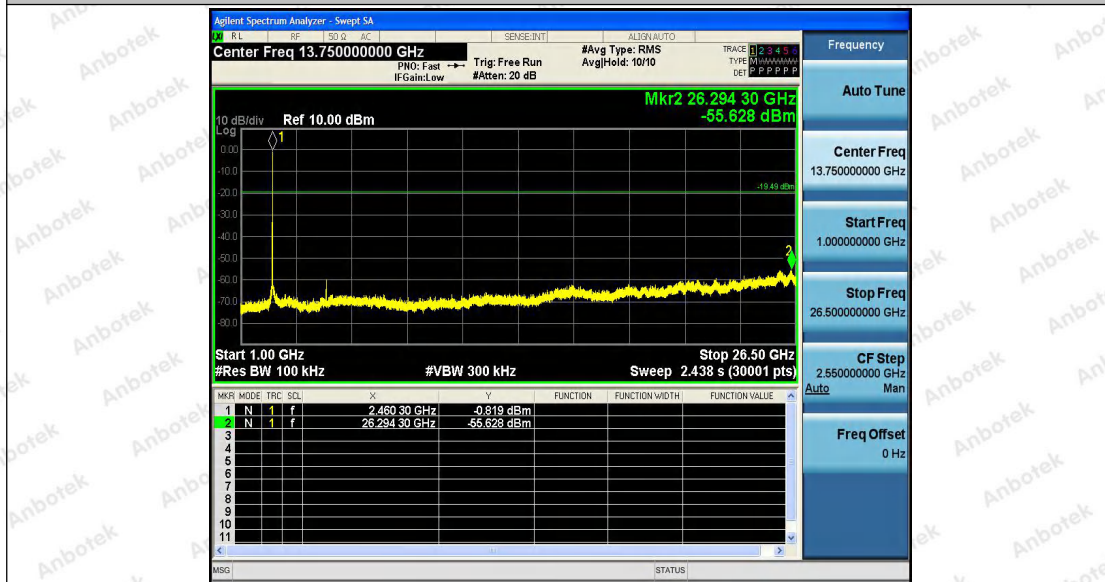
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11B\_Ant1\_2462\_1000~26500



11G\_Ant1\_2412\_0~Reference

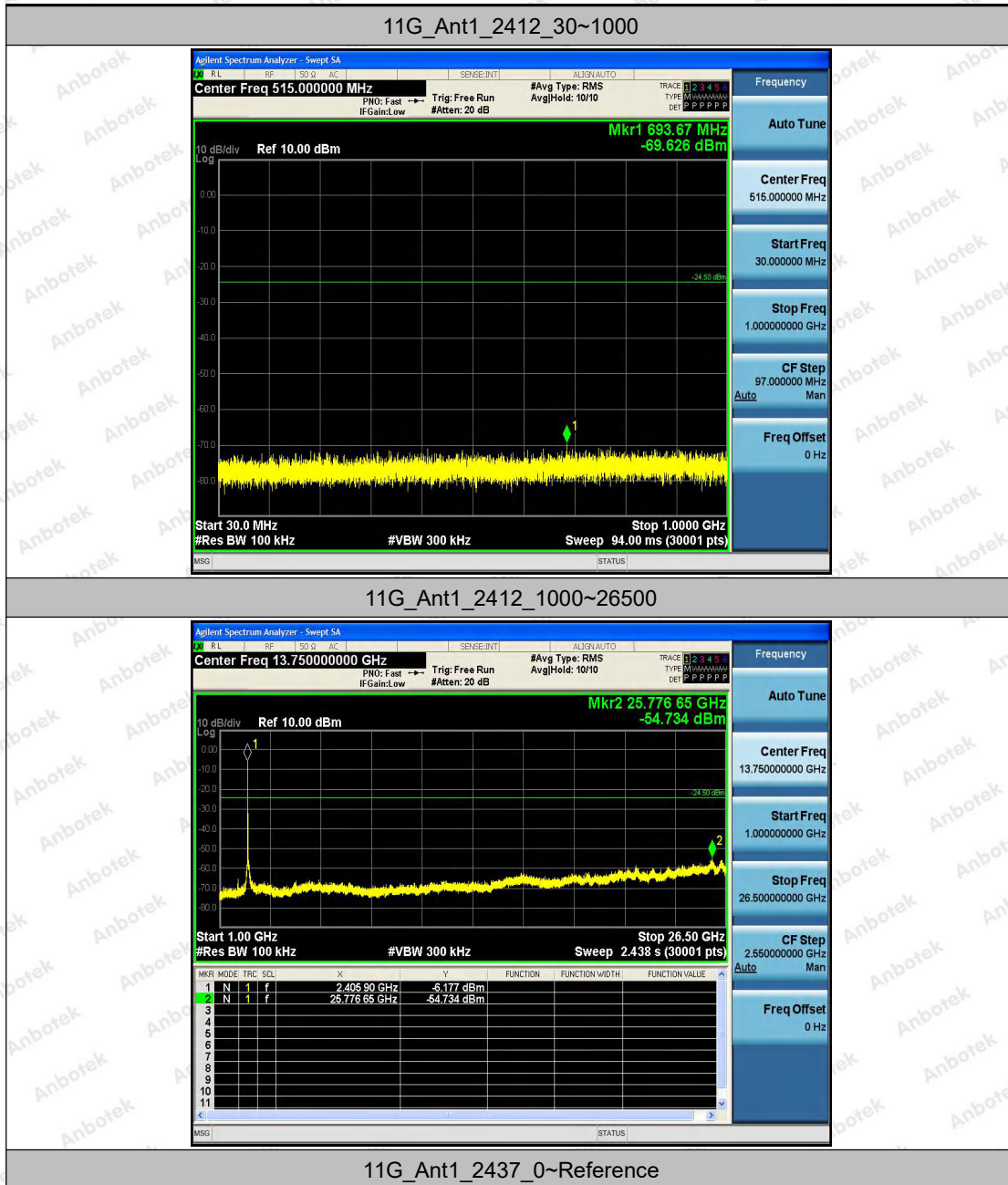


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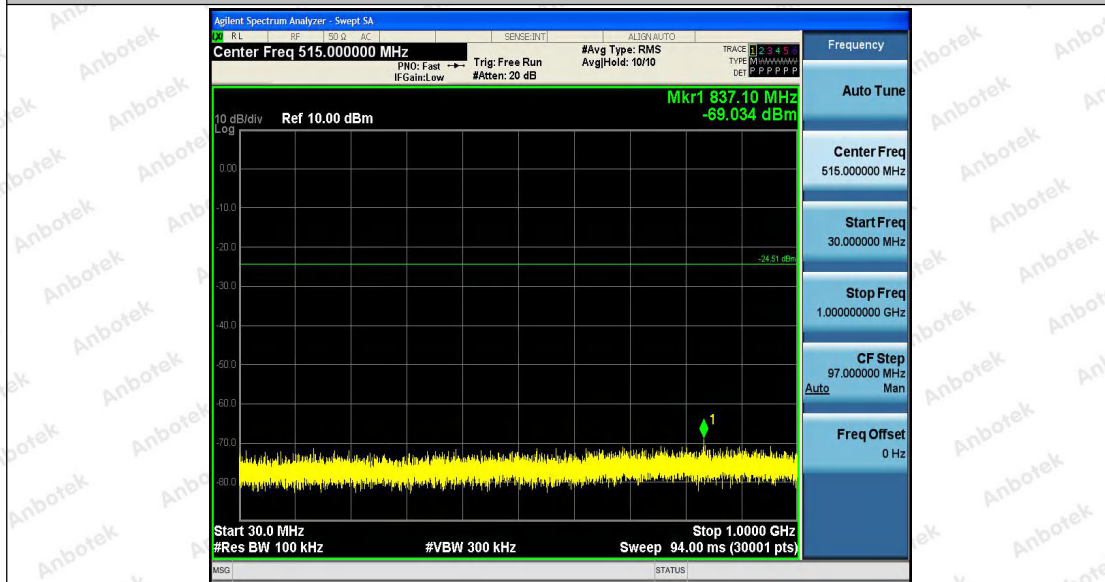
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11G\_Ant1\_2437\_30~1000



11G\_Ant1\_2437\_1000~26500



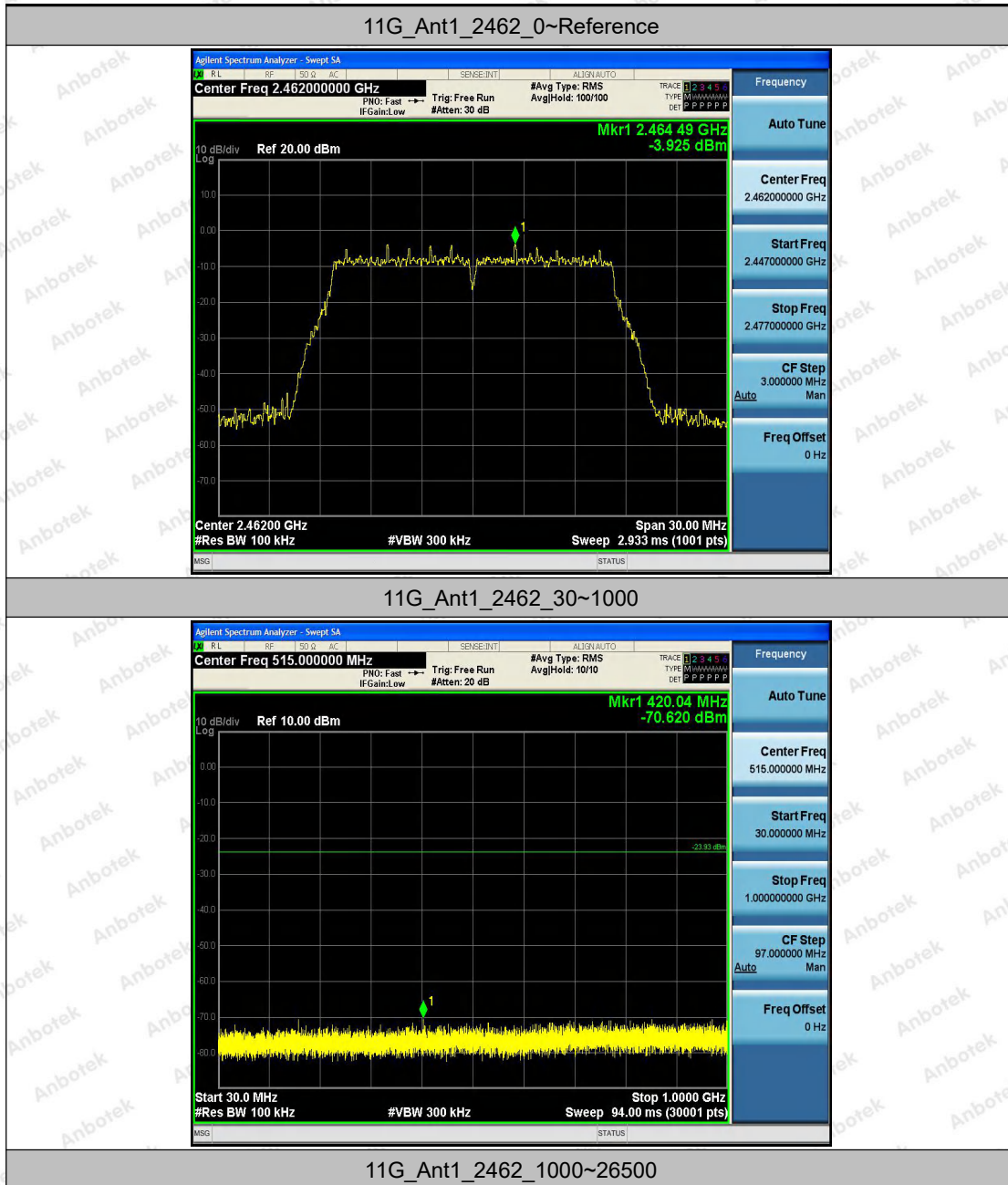
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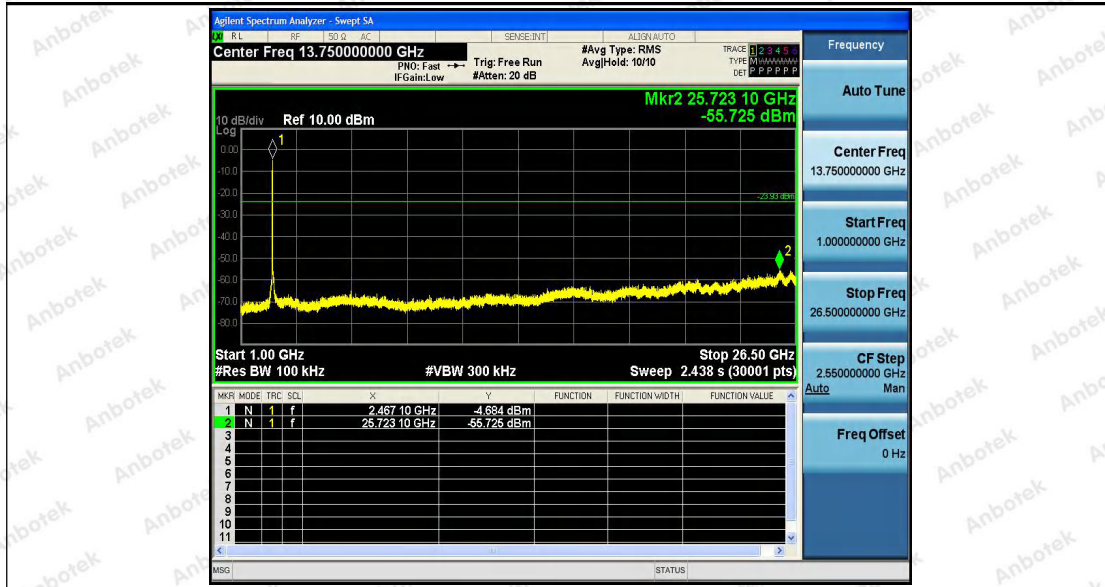




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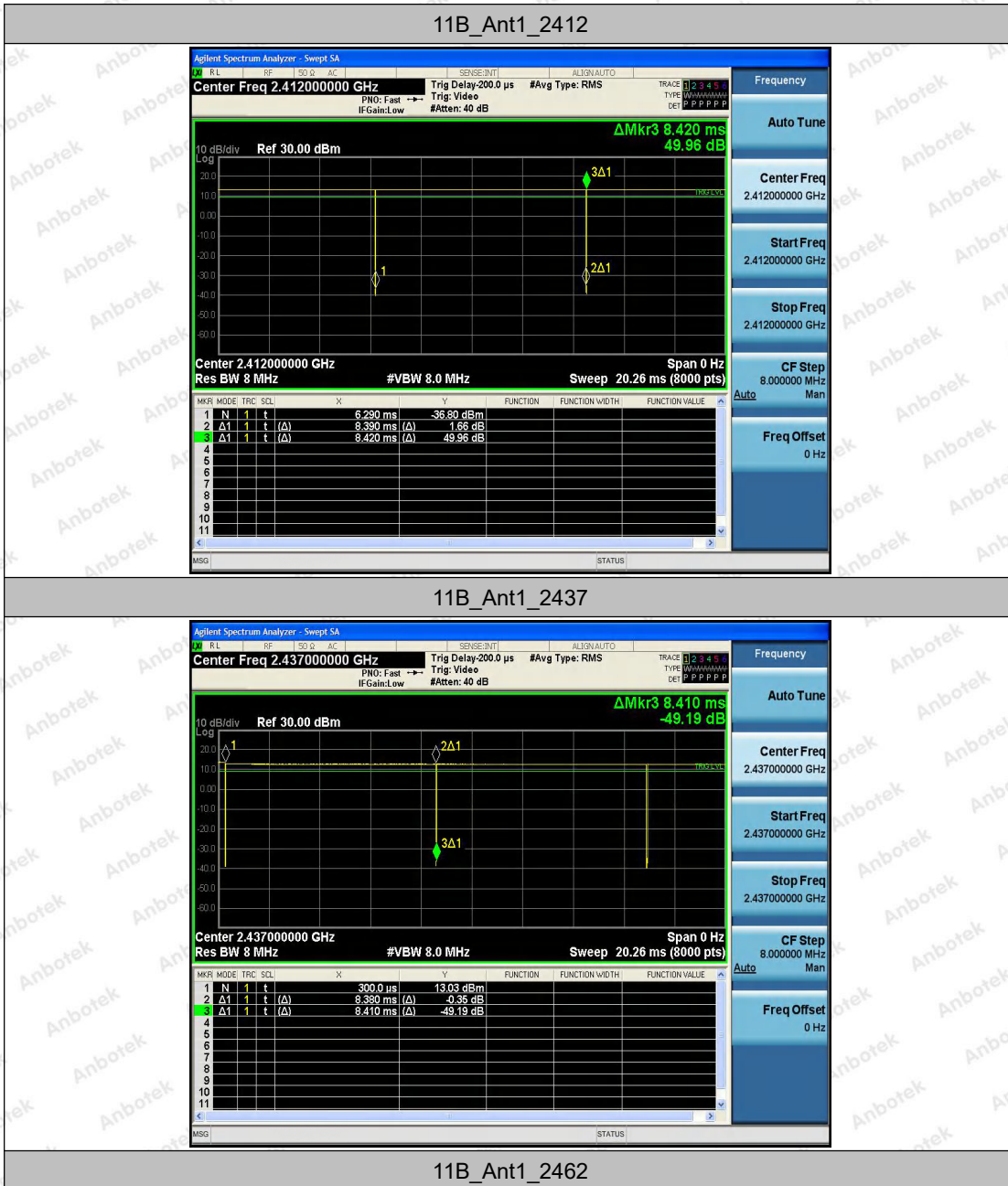
## Appendix G: Duty Cycle

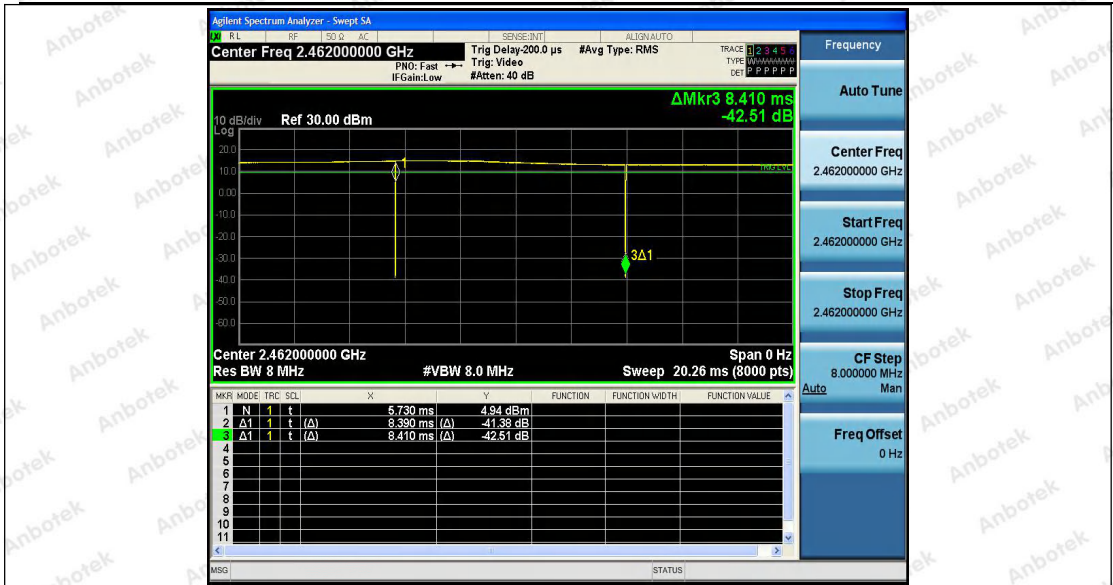
### Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	8.39	8.42	99.64	---	PASS
		2437	8.38	8.41	99.64	---	PASS
		2462	8.39	8.41	99.76	---	PASS
11G	Ant1	2412	1.39	1.42	97.89	---	PASS
		2437	1.39	1.43	97.20	---	PASS
		2462	1.39	1.43	97.20	---	PASS

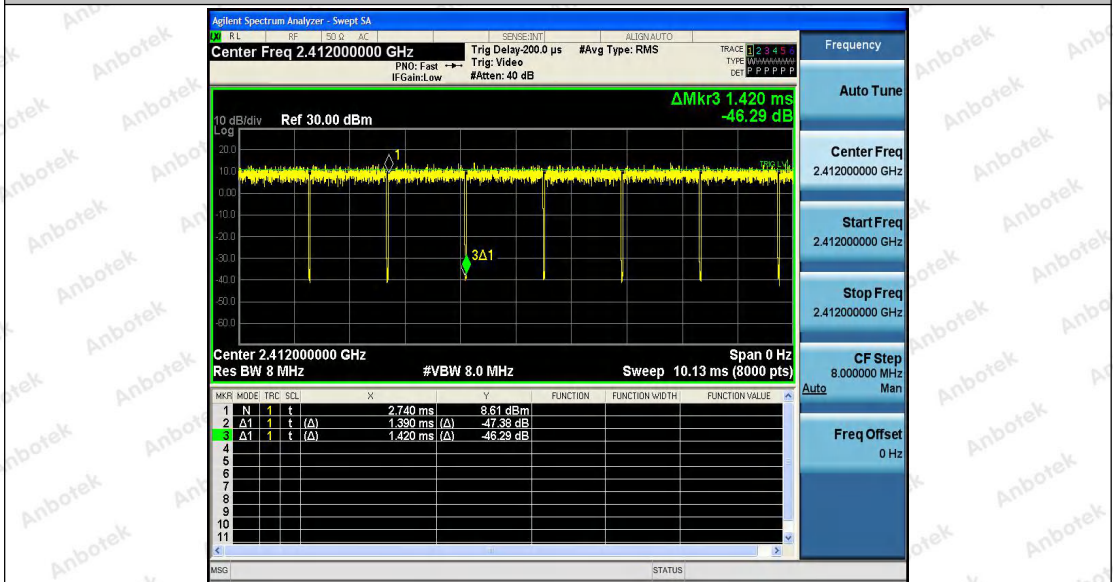


## Test Graphs

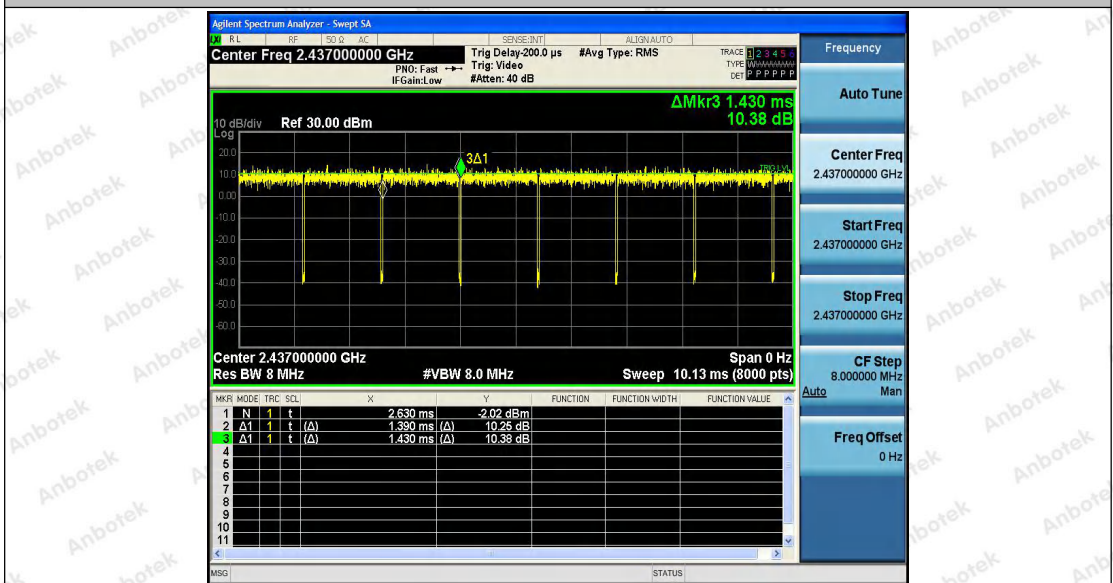




11G\_Ant1\_2412



11G\_Ant1\_2437

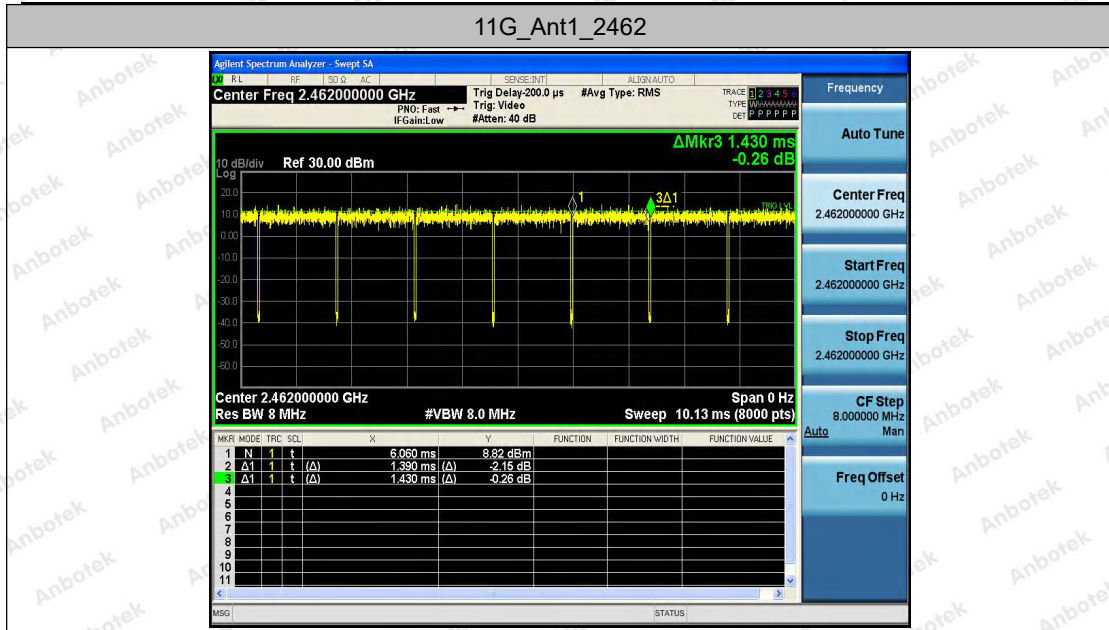


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