

## Appendix Test Data

Project No.:	18220WC10171901	Test Date:	2021..8.11
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3C°	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
11B	Ant1	2412	9.120	2407.440	2416.560	≥0.5	PASS
		2437	9.160	2432.400	2441.560	≥0.5	PASS
		2462	9.160	2457.920	2467.080	≥0.5	PASS
11G	Ant1	2412	15.120	2404.400	2419.520	≥0.5	PASS
		2437	16.120	2429.080	2445.200	≥0.5	PASS
		2462	15.760	2454.400	2470.160	≥0.5	PASS
11N20	Ant1	2412	16.920	2403.600	2420.520	≥0.5	PASS
		2437	15.680	2429.400	2445.080	≥0.5	PASS
		2462	15.160	2455.640	2470.800	≥0.5	PASS

Test Graphs

11B\_Ant1\_2412



11B\_Ant1\_2437



11B\_Ant1\_2462



11G\_Ant1\_2412



11G\_Ant1\_2437



11G\_Ant1\_2462



11N20\_Ant1\_2412



11N20\_Ant1\_2437



11N20\_Ant1\_2462



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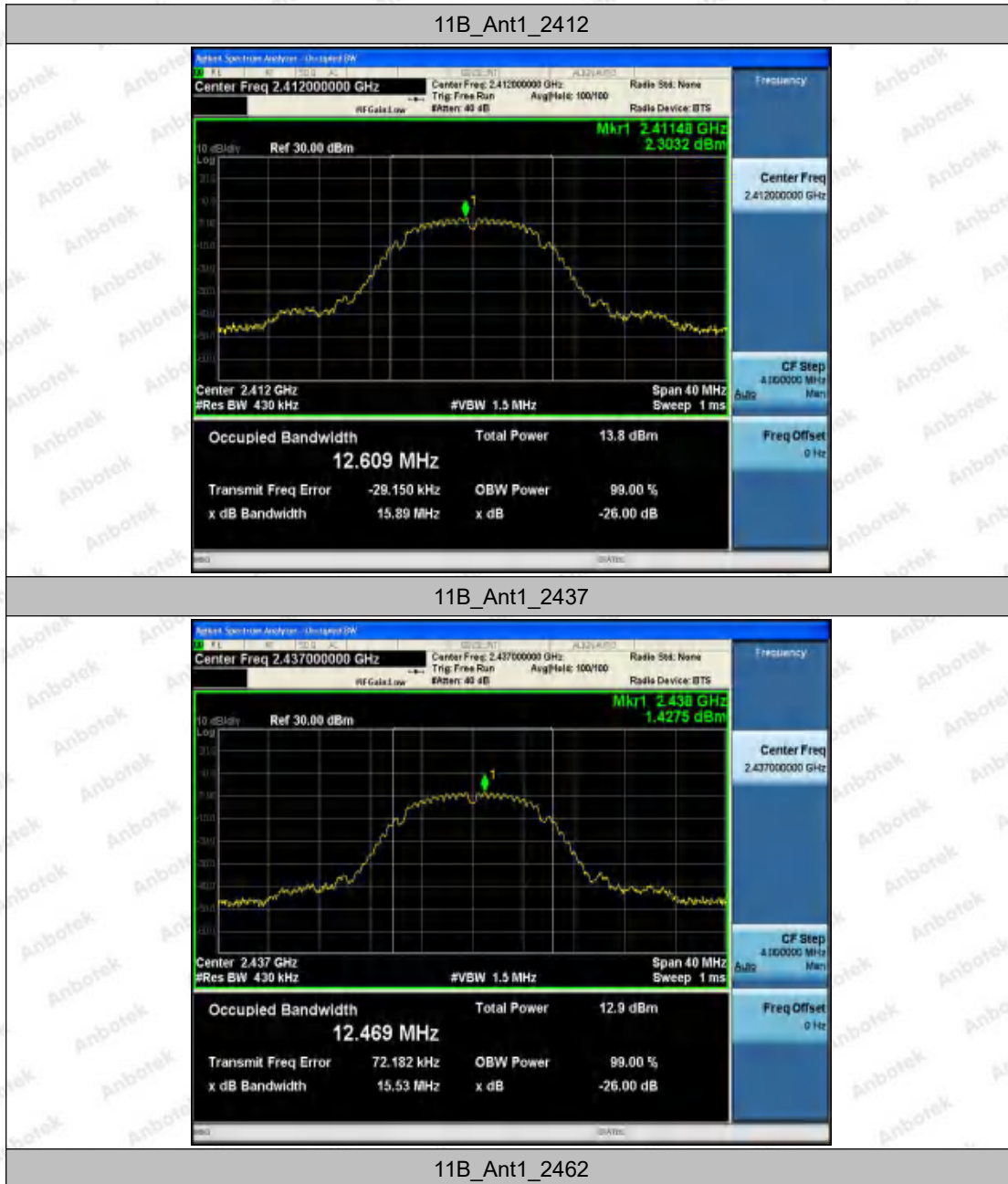

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## Appendix B: Occupied Channel Bandwidth

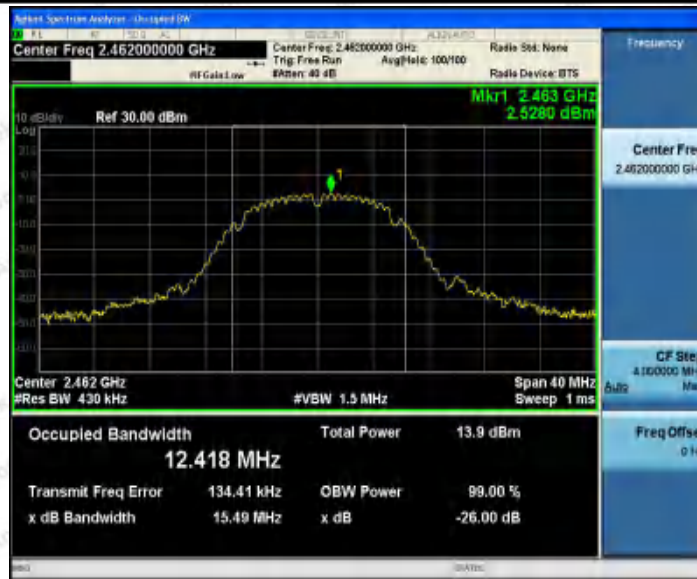
### Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.609	2405.666	2418.275	---	PASS
		2437	12.469	2430.838	2443.307	---	PASS
		2462	12.418	2455.925	2468.343	---	PASS
11G	Ant1	2412	16.832	2403.574	2420.406	---	PASS
		2437	16.953	2428.596	2445.549	---	PASS
		2462	17.081	2453.627	2470.708	---	PASS
11N20	Ant1	2412	17.768	2403.084	2420.852	---	PASS
		2437	17.844	2428.124	2445.968	---	PASS
		2462	18.008	2453.162	2471.170	---	PASS

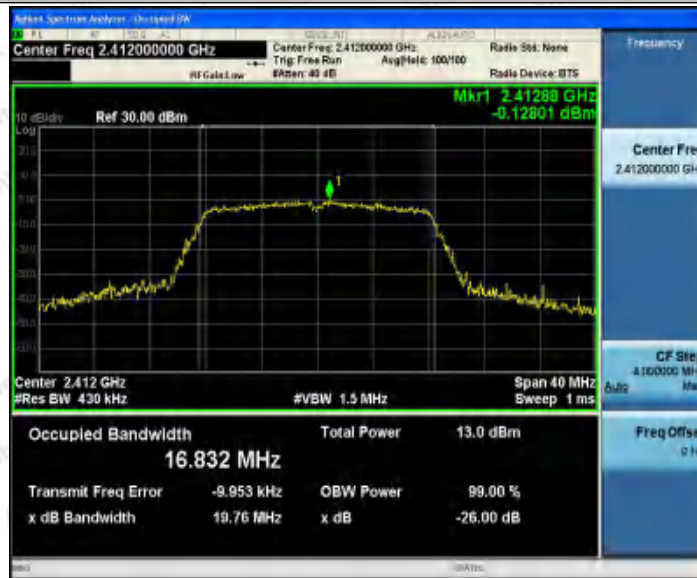
**Test Graphs**



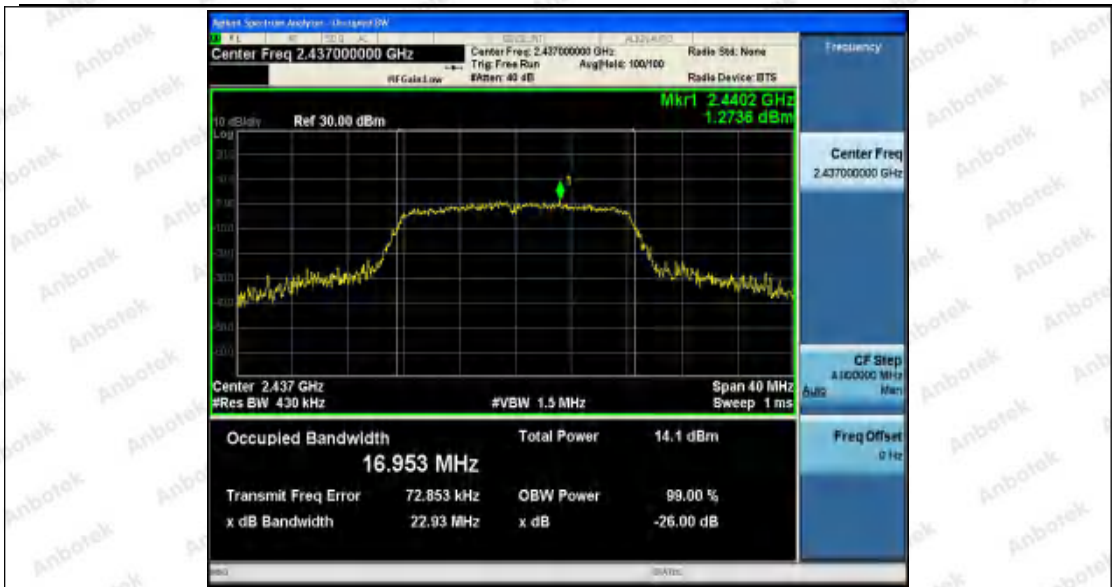




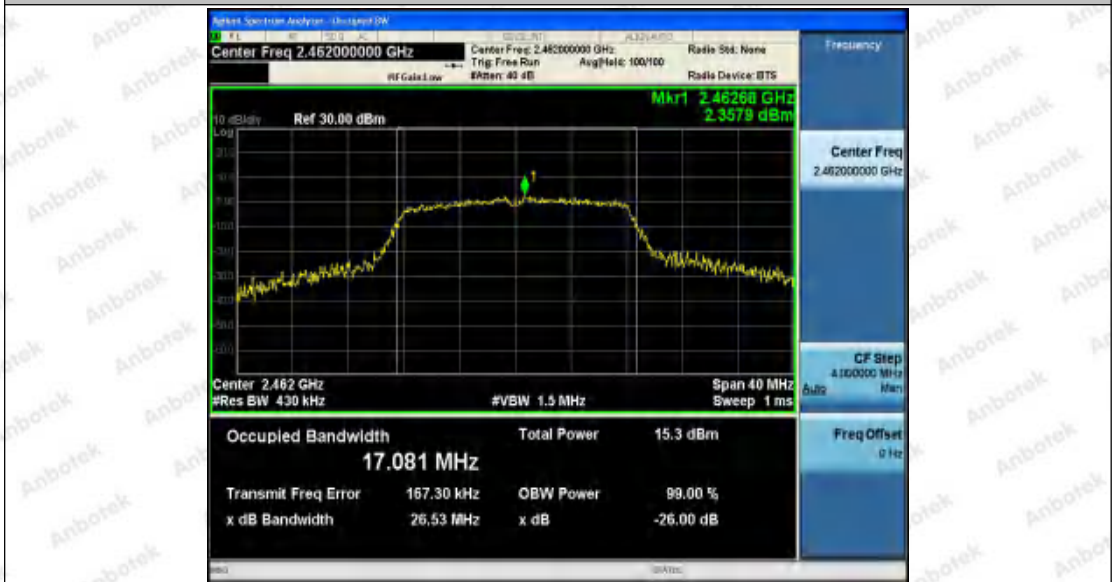
11G\_Ant1\_2412



11G\_Ant1\_2437



11G\_Ant1\_2462



11N20\_Ant1\_2412



11N20\_Ant1\_2437



11N20\_Ant1\_2462



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## Appendix C: Maximum conducted output power

### Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	13.76	≤30	PASS
		2437	12.90	≤30	PASS
		2462	13.86	≤30	PASS
11G	Ant1	2412	14.26	≤30	PASS
		2437	15.19	≤30	PASS
		2462	16.55	≤30	PASS
11N20	Ant1	2412	14.19	≤30	PASS
		2437	15.35	≤30	PASS
		2462	16.25	≤30	PASS

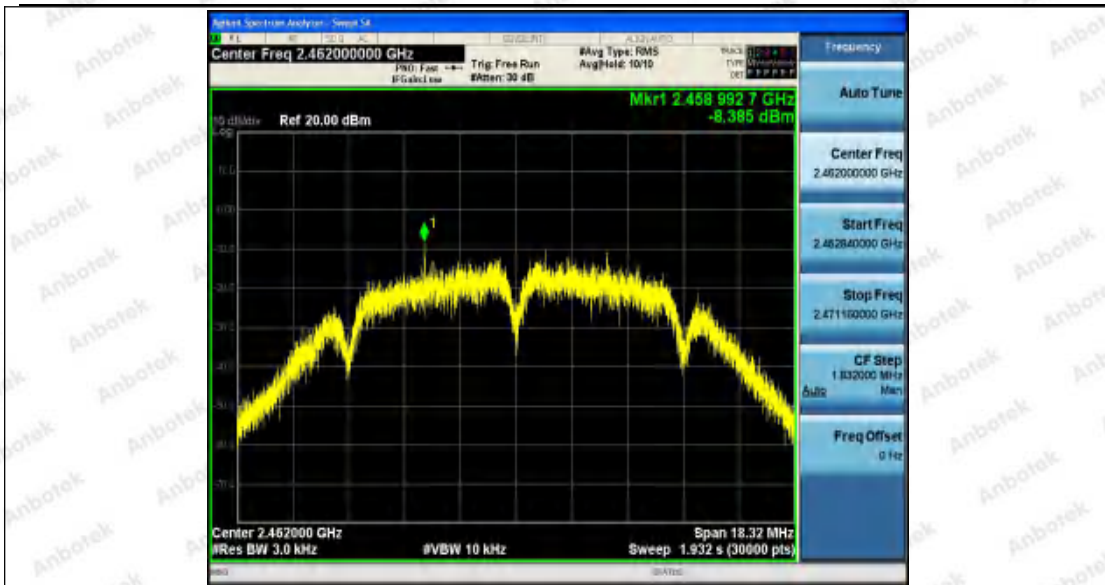
## Appendix D: Maximum power spectral density

### Test Result

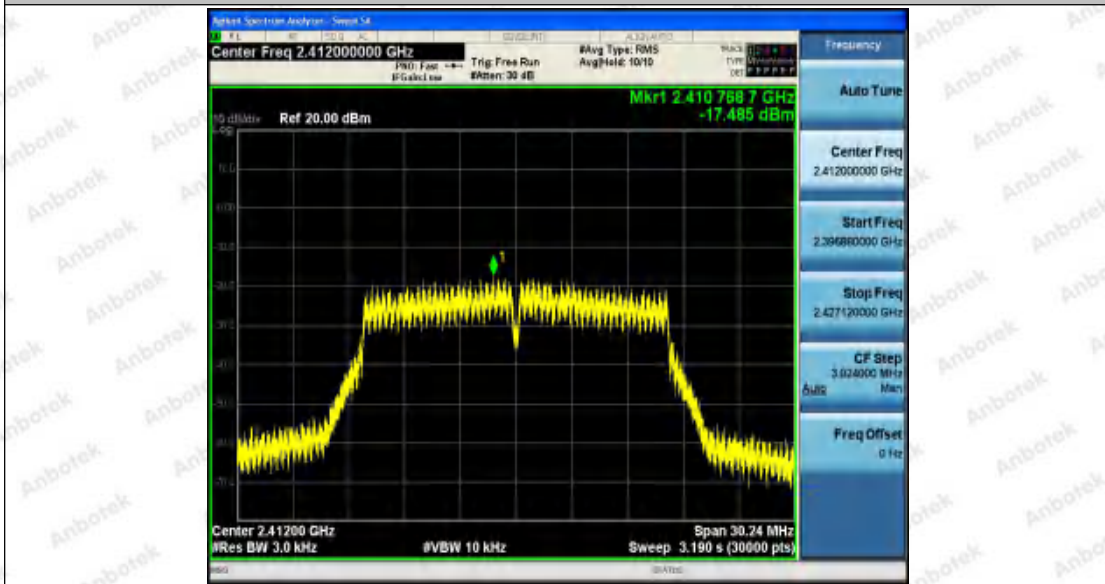
TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-12.23	≤8	PASS
		2437	-11.12	≤8	PASS
		2462	-8.39	≤8	PASS
11G	Ant1	2412	-17.49	≤8	PASS
		2437	-15.4	≤8	PASS
		2462	-15.26	≤8	PASS
11N20	Ant1	2412	-17.26	≤8	PASS
		2437	-16.6	≤8	PASS
		2462	-15.12	≤8	PASS

**Test Graphs**



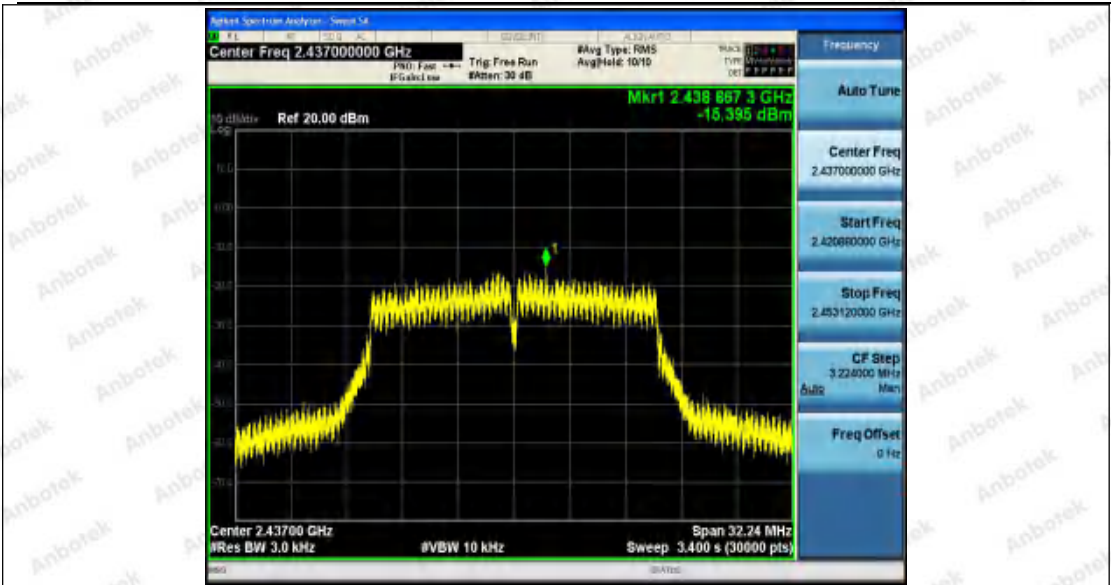


11G\_Ant1\_2412

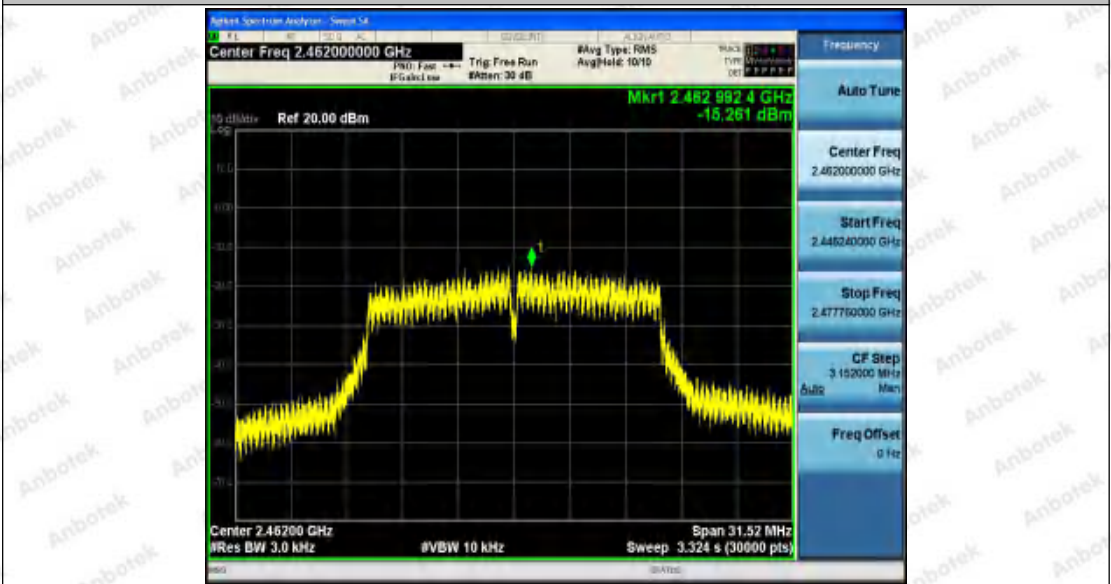


11G\_Ant1\_2437

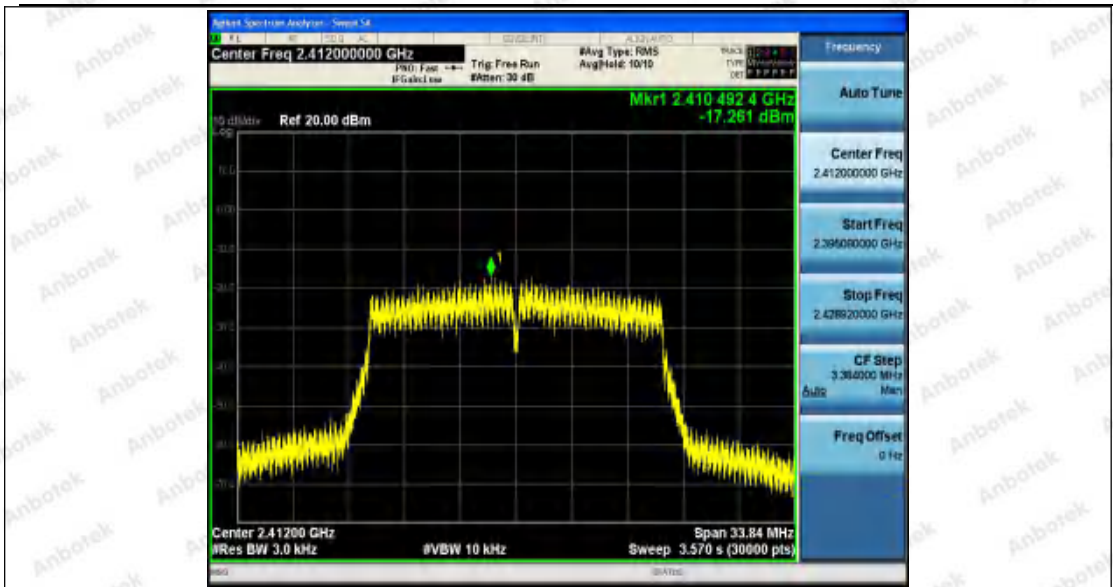




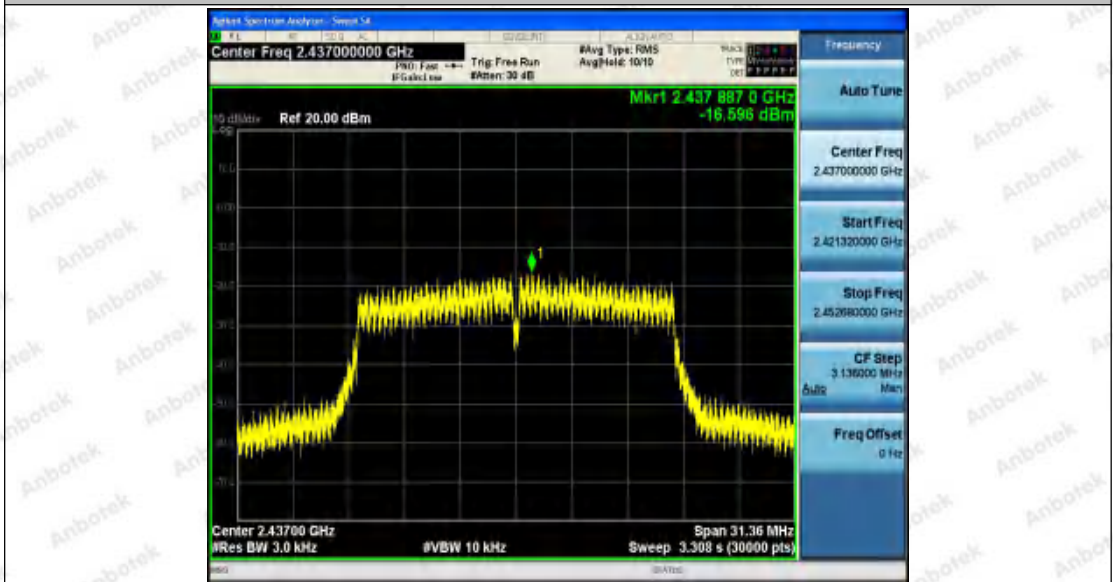
11G\_Ant1\_2462



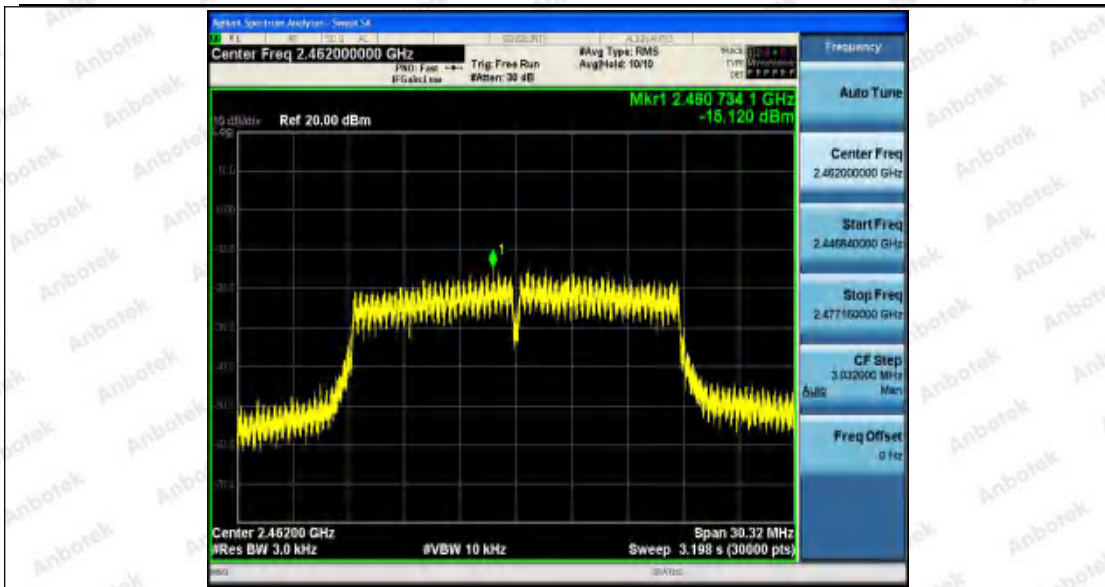
11N20\_Ant1\_2412



11N20\_Ant1\_2437



11N20\_Ant1\_2462



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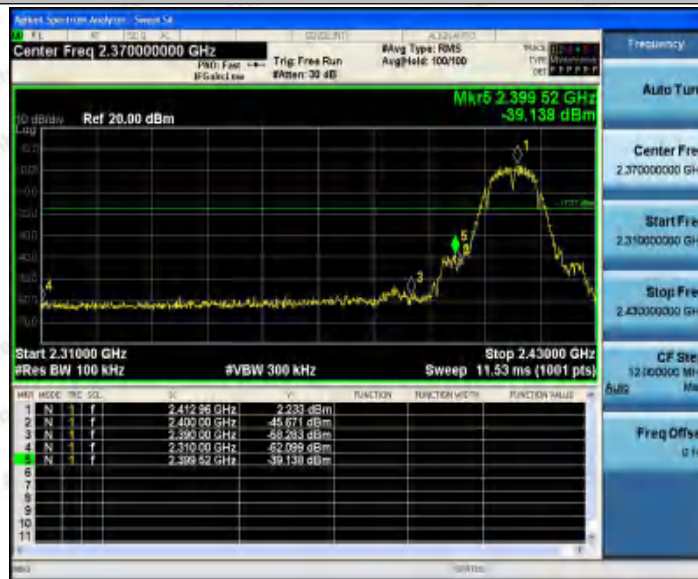
## Appendix E: Band edge measurements

### Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	2.23	-39.14	≤-17.77	PASS
		High	2462	2.06	-54.96	≤-17.94	PASS
11G	Ant1	Low	2412	-3.07	-38.51	≤-23.07	PASS
		High	2462	-1.27	-41.04	≤-21.27	PASS
11N20	Ant1	Low	2412	-2.94	-39.14	≤-22.94	PASS
		High	2462	-1.83	-38.06	≤-21.83	PASS

**Test Graphs**

11B\_Ant1\_Low\_2412



11B\_Ant1\_High\_2462



11G\_Ant1\_Low\_2412



11G\_Ant1\_High\_2462



11N20\_Ant1\_Low\_2412



11N20\_Ant1\_High\_2462



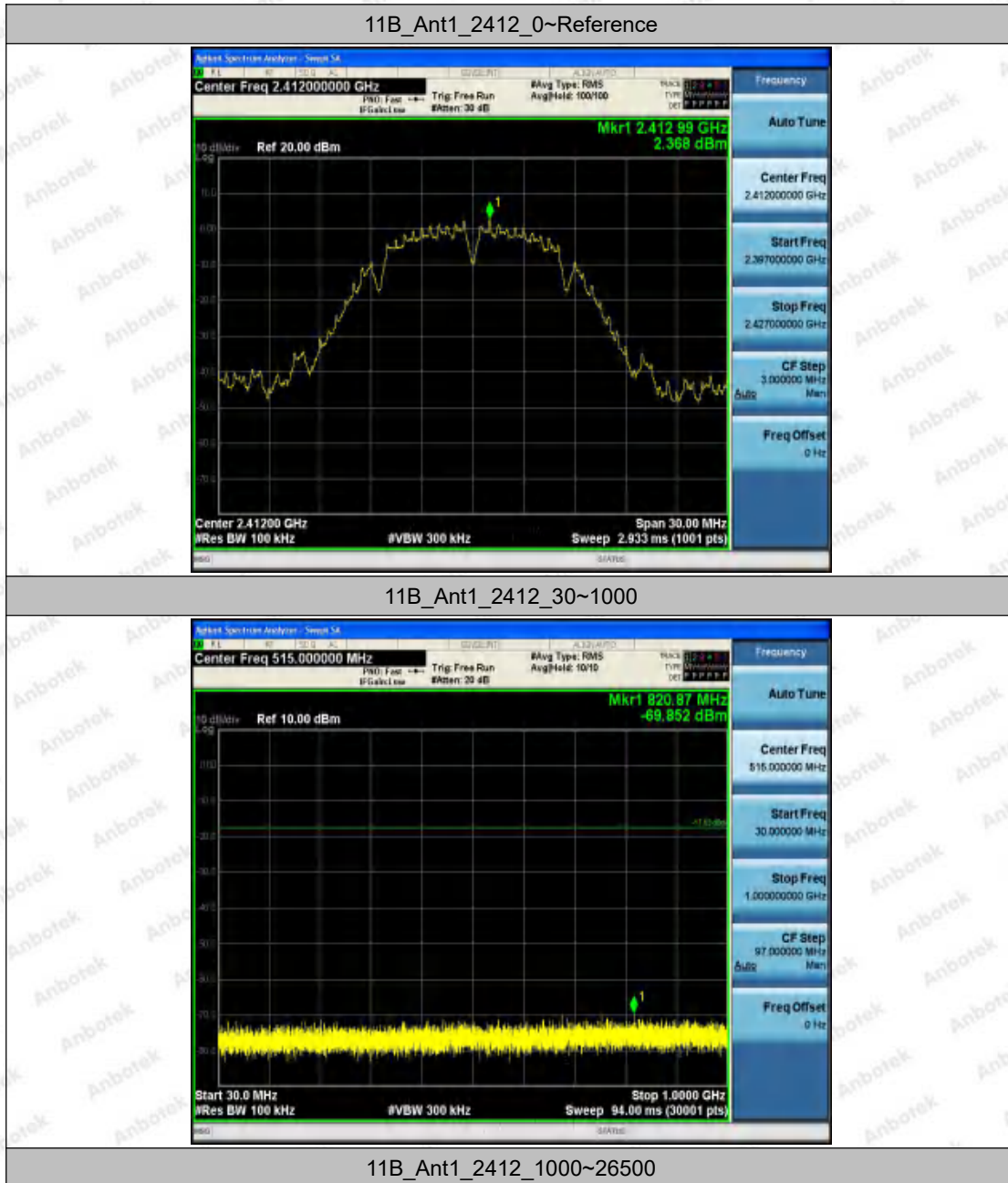
## Appendix F: Conducted Spurious Emission

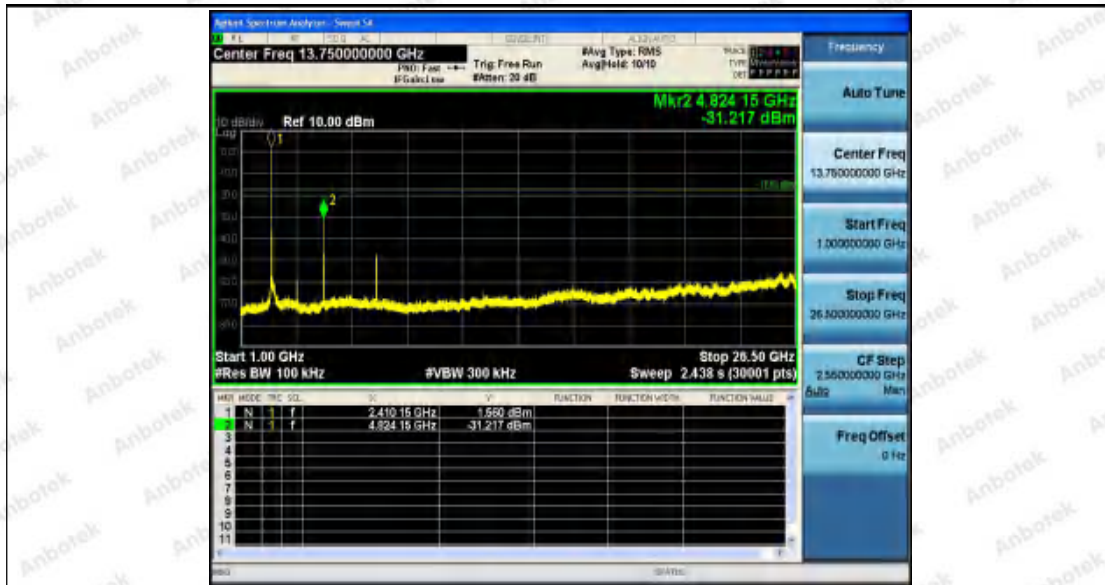
### Test Result

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	2.37	2.37	---	PASS
			30~1000	2.37	-69.85	≤-17.63	PASS
			1000~26500	2.37	-31.22	≤-17.63	PASS
		2437	Reference	0.88	0.88	---	PASS
			30~1000	0.88	-70.53	≤-19.12	PASS
			1000~26500	0.88	-35.43	≤-19.12	PASS
		2462	Reference	1.63	1.63	---	PASS
			30~1000	1.63	-69.68	≤-18.37	PASS
			1000~26500	1.63	-39.9	≤-18.37	PASS
11G	Ant1	2412	Reference	-3.46	-3.46	---	PASS
			30~1000	-3.46	-68.87	≤-23.46	PASS
			1000~26500	-3.46	-45.86	≤-23.46	PASS
		2437	Reference	-1.76	-1.76	---	PASS
			30~1000	-1.76	-69.42	≤-21.76	PASS
			1000~26500	-1.76	-46.56	≤-21.76	PASS
		2462	Reference	-1.71	-1.71	---	PASS
			30~1000	-1.71	-70.72	≤-21.71	PASS
			1000~26500	-1.71	-39.6	≤-21.71	PASS
11N20	Ant1	2412	Reference	-2.90	-2.90	---	PASS
			30~1000	-2.90	-70.41	≤-22.9	PASS
			1000~26500	-2.90	-47.22	≤-22.9	PASS
		2437	Reference	-2.73	-2.73	---	PASS
			30~1000	-2.73	-47.94	≤-22.73	PASS
			1000~26500	-2.73	-47.61	≤-22.73	PASS
		2462	Reference	-1.67	-1.67	---	PASS
			30~1000	-1.67	-69.83	≤-21.67	PASS
			1000~26500	-1.67	-50.72	≤-21.67	PASS



**Test Graphs**





11B\_Ant1\_2437\_0~Reference

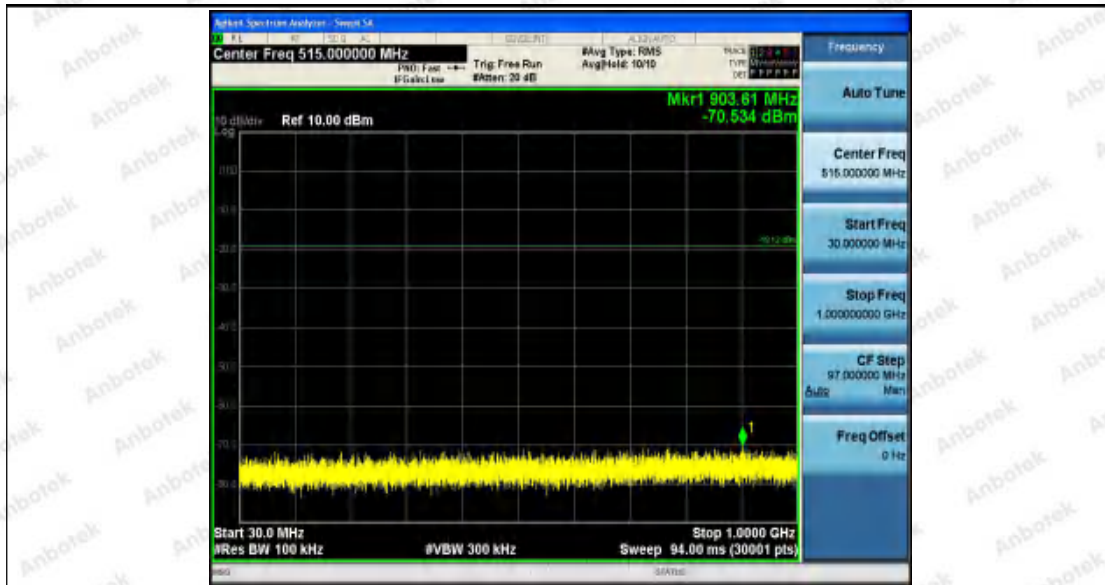


11B\_Ant1\_2437\_30~1000

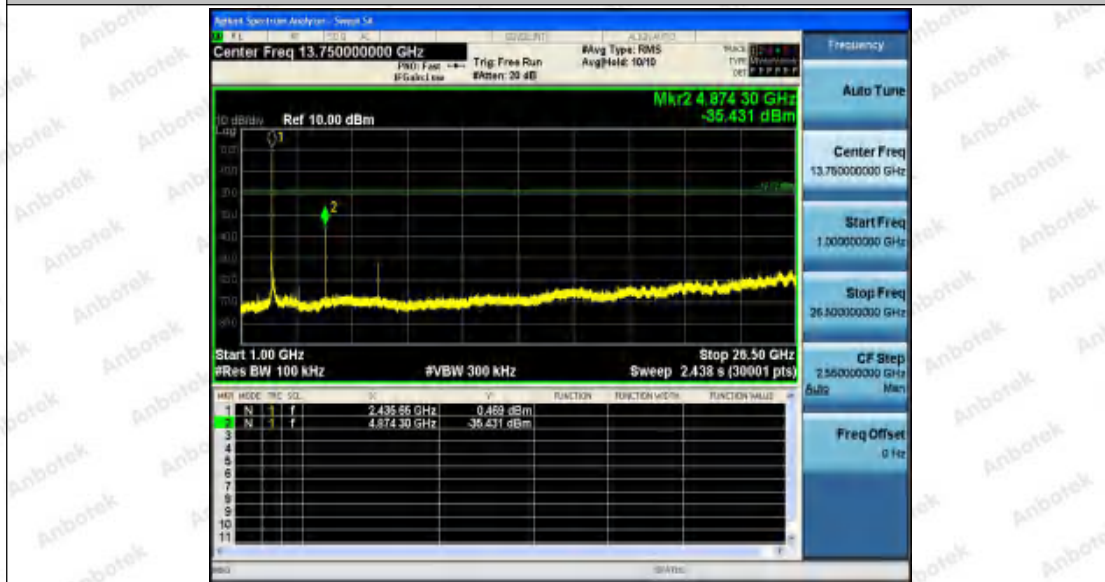
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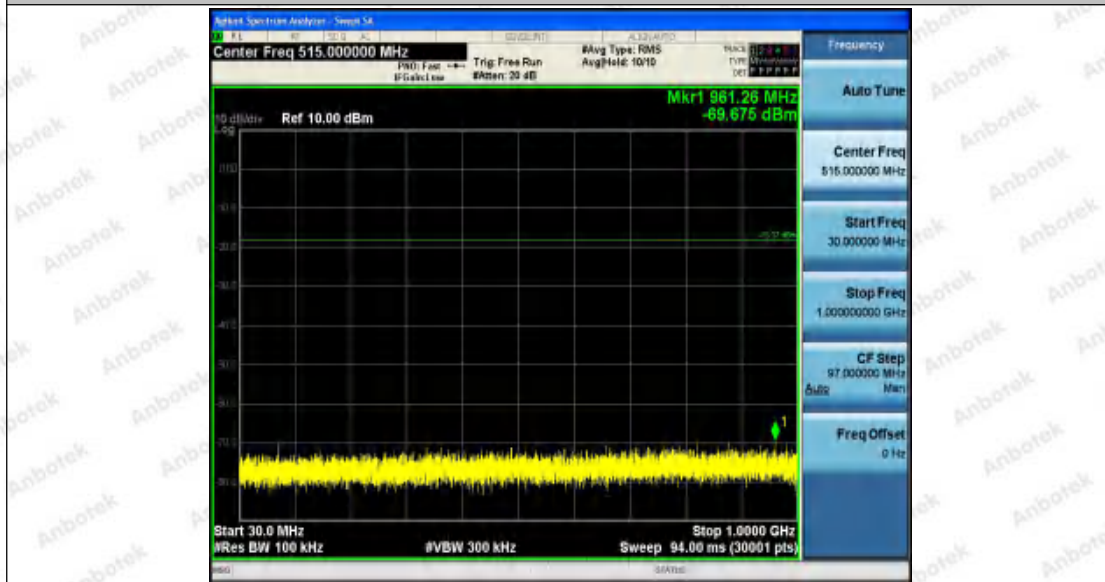
11B\_Ant1\_2437\_1000~26500



11B\_Ant1\_2462\_0~Reference



11B\_Ant1\_2462\_30~1000



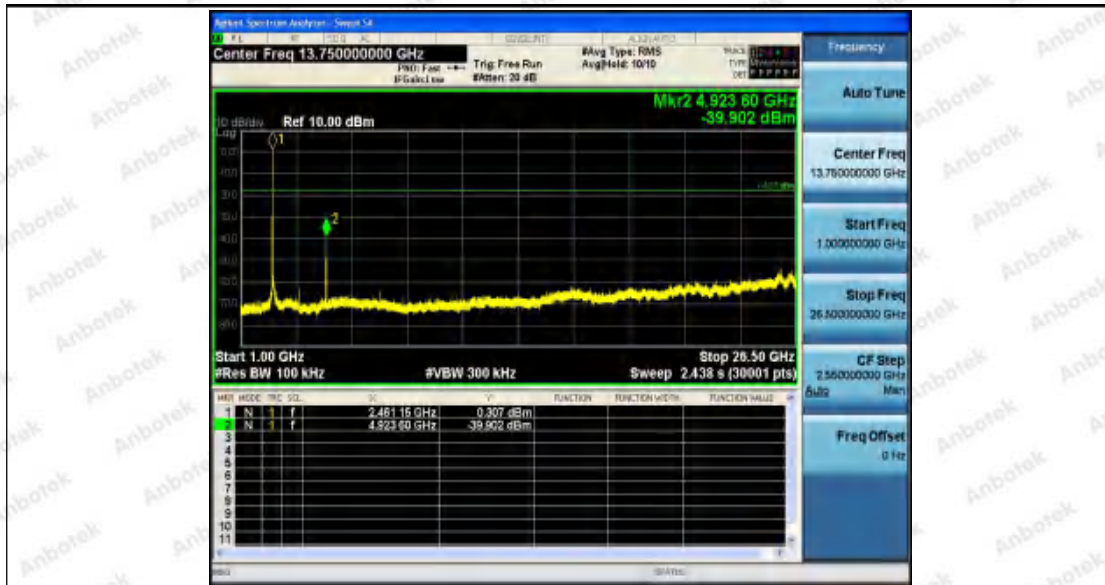
11B\_Ant1\_2462\_1000~26500

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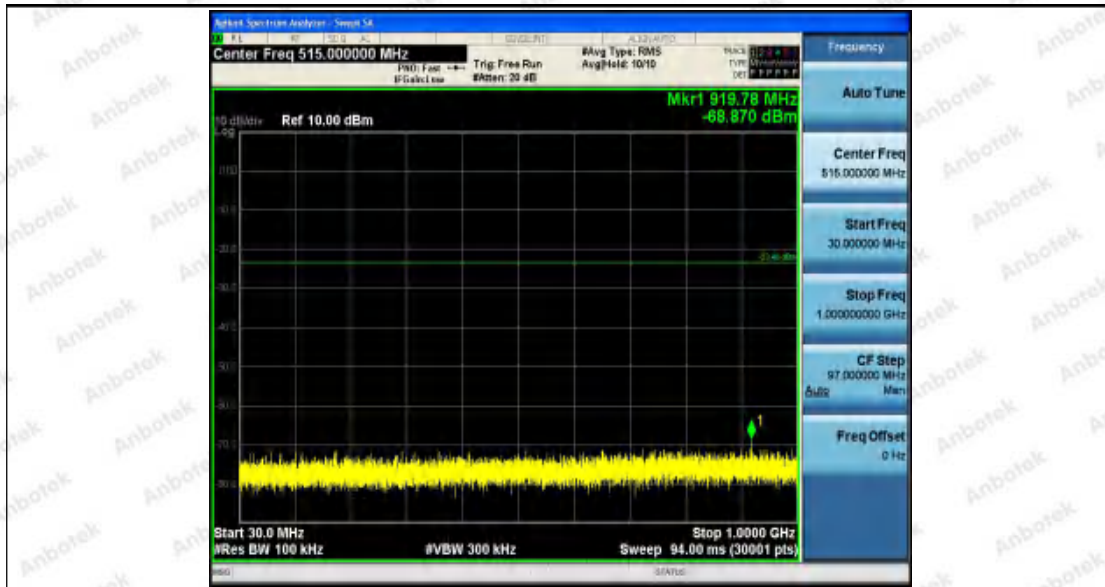
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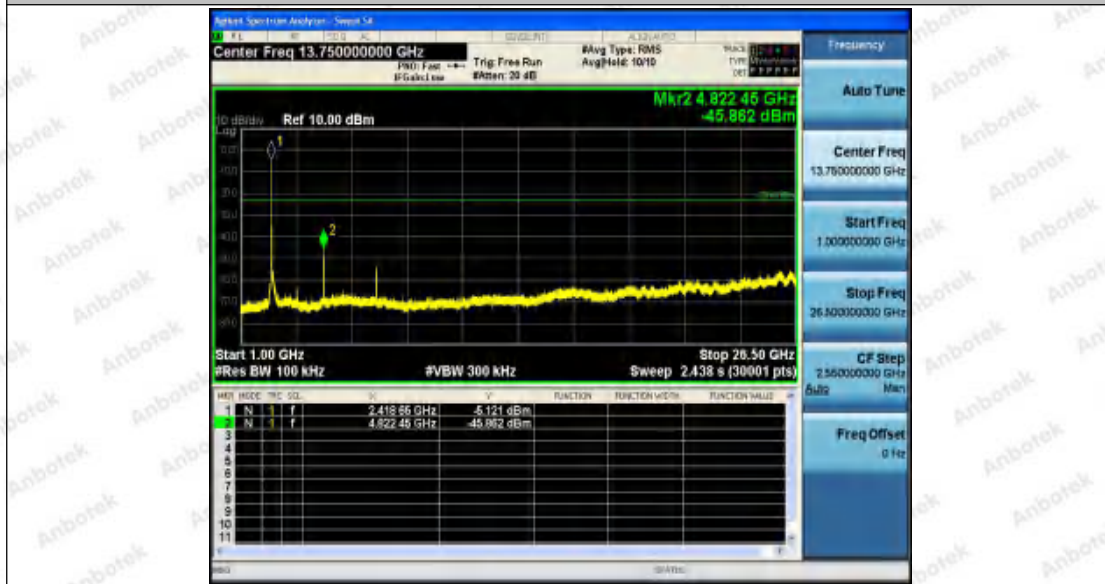
11G\_Ant1\_2412\_0~Reference



11G\_Ant1\_2412\_30~1000



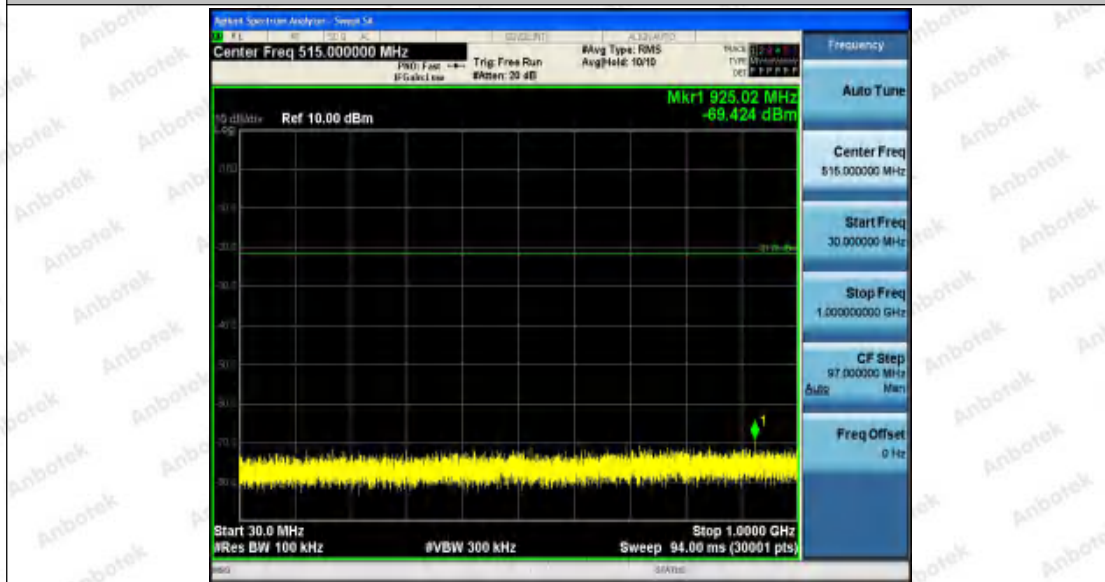
11G\_Ant1\_2412\_1000~26500



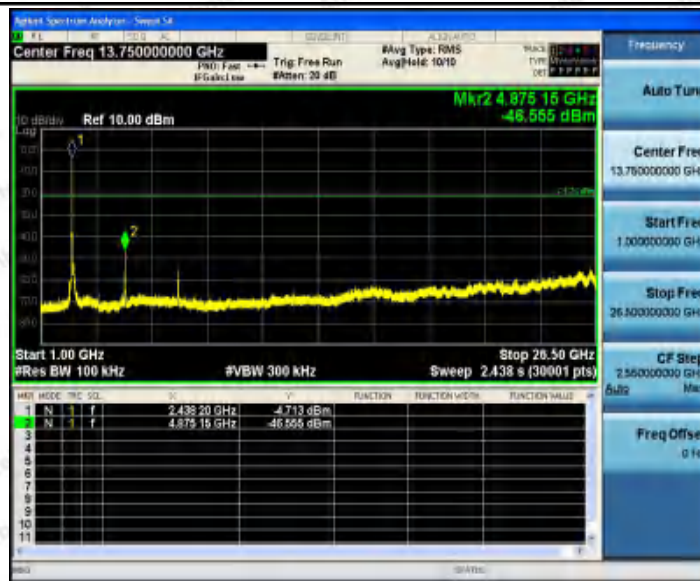
11G\_Ant1\_2437\_0~Reference



11G\_Ant1\_2437\_30~1000



11G\_Ant1\_2437\_1000~26500

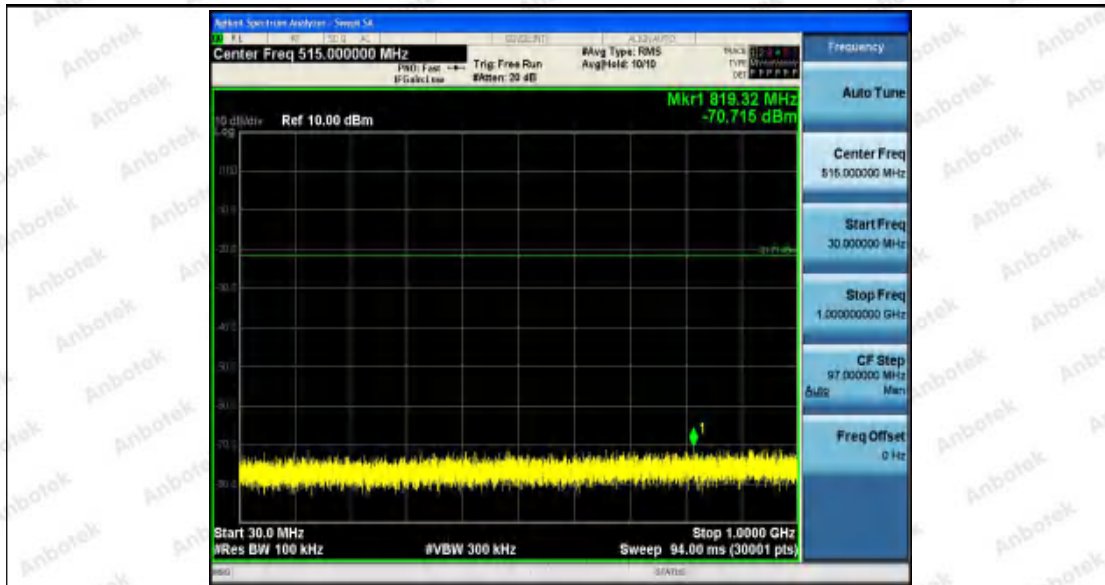


11G\_Ant1\_2462\_0~Reference

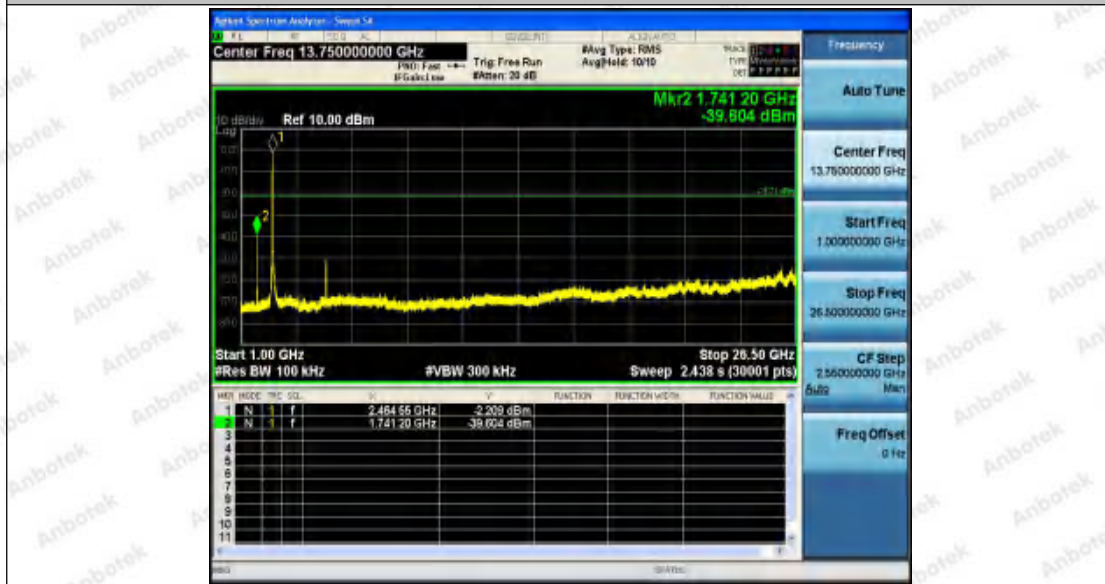


11G\_Ant1\_2462\_30~1000





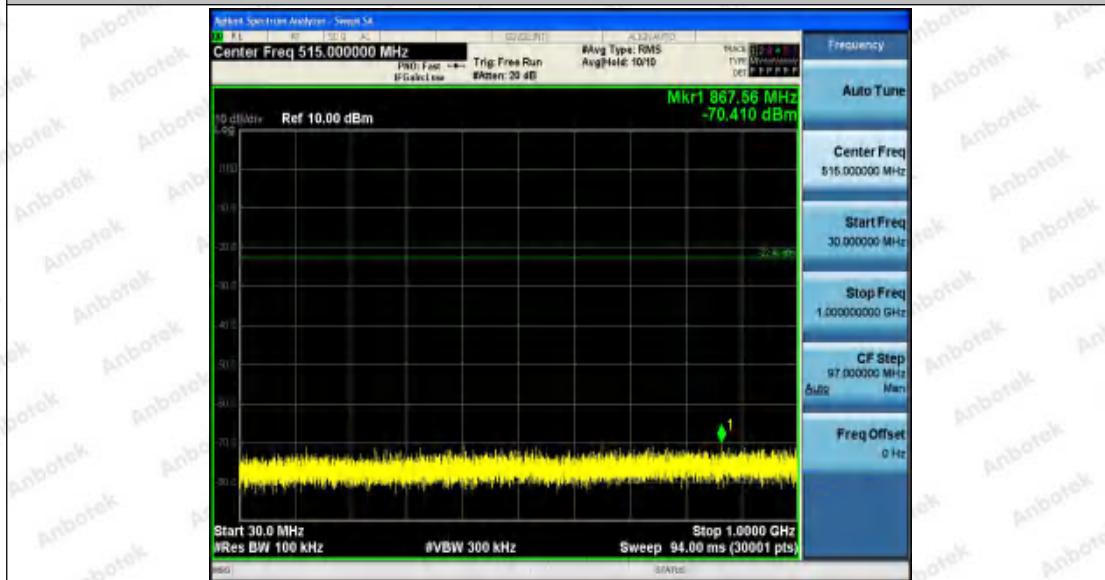
11G\_Ant1\_2462\_1000~26500



11N20\_Ant1\_2412\_0~Reference



11N20\_Ant1\_2412\_30~1000



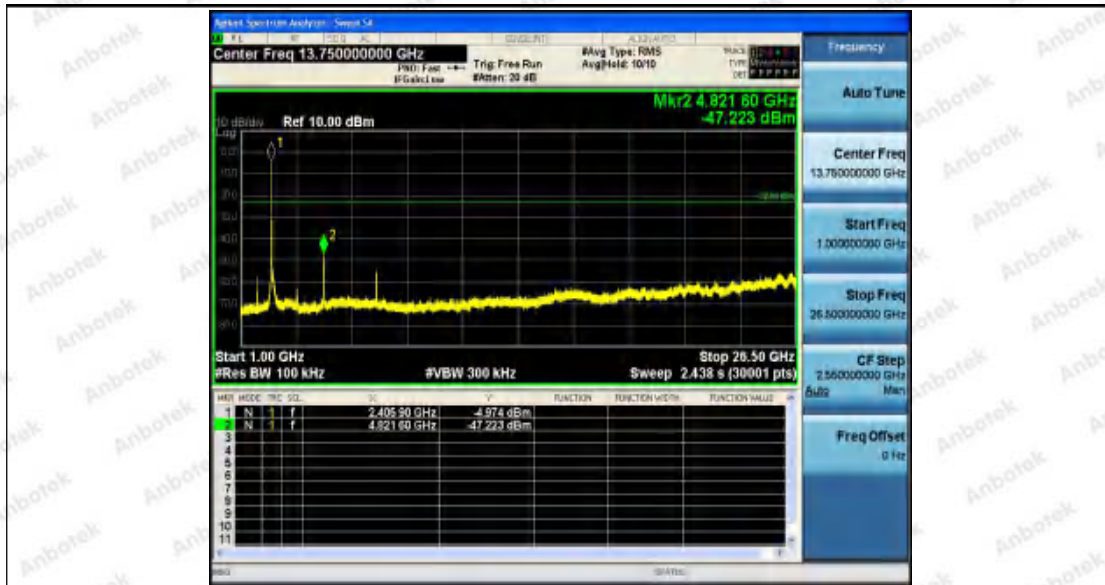
11N20\_Ant1\_2412\_1000~26500

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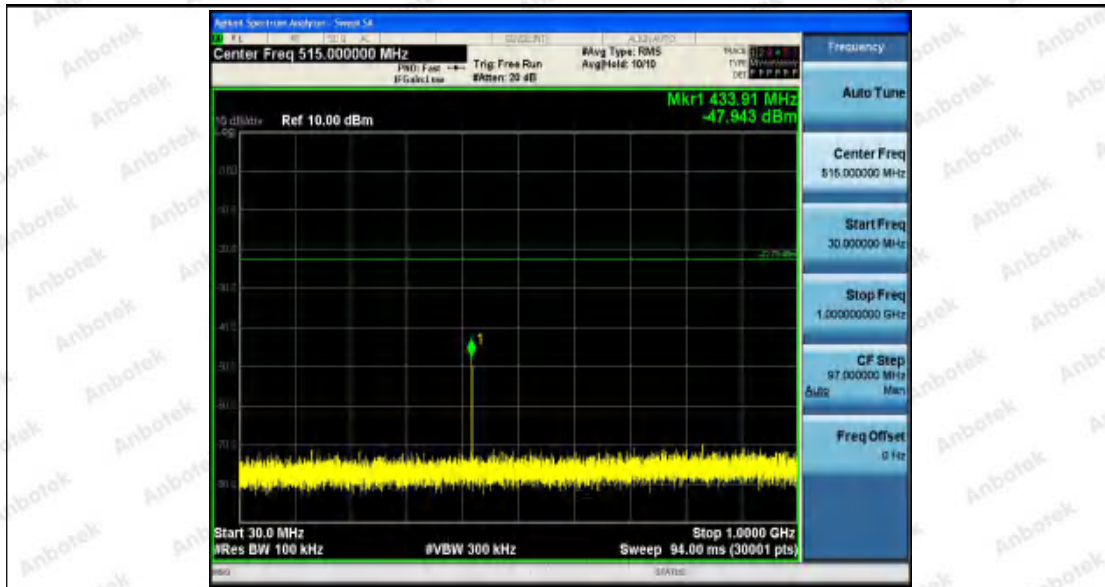
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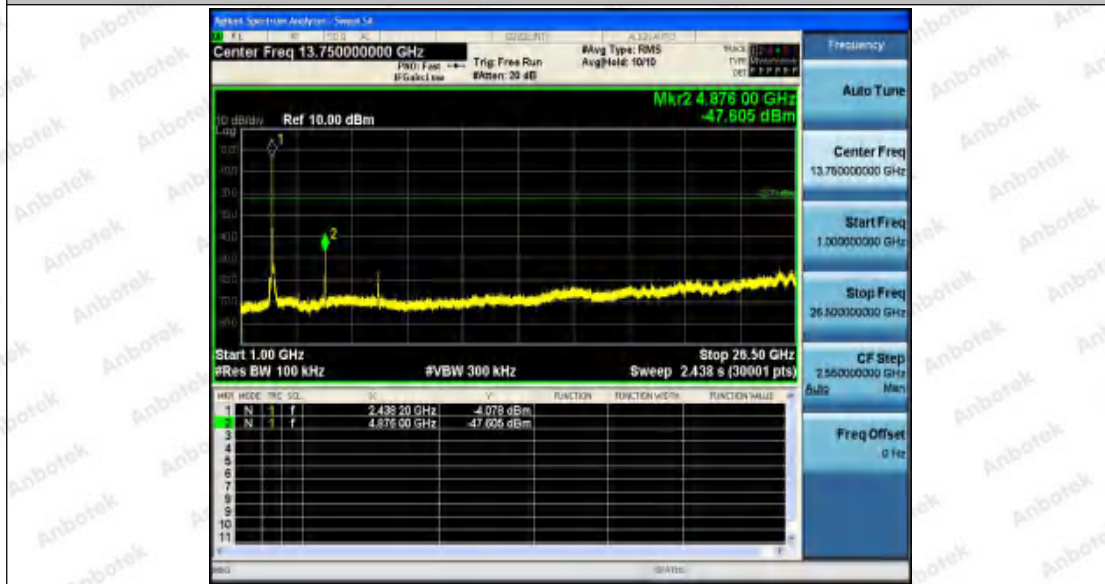
11N20\_Ant1\_2437\_0~Reference



11N20\_Ant1\_2437\_30~1000



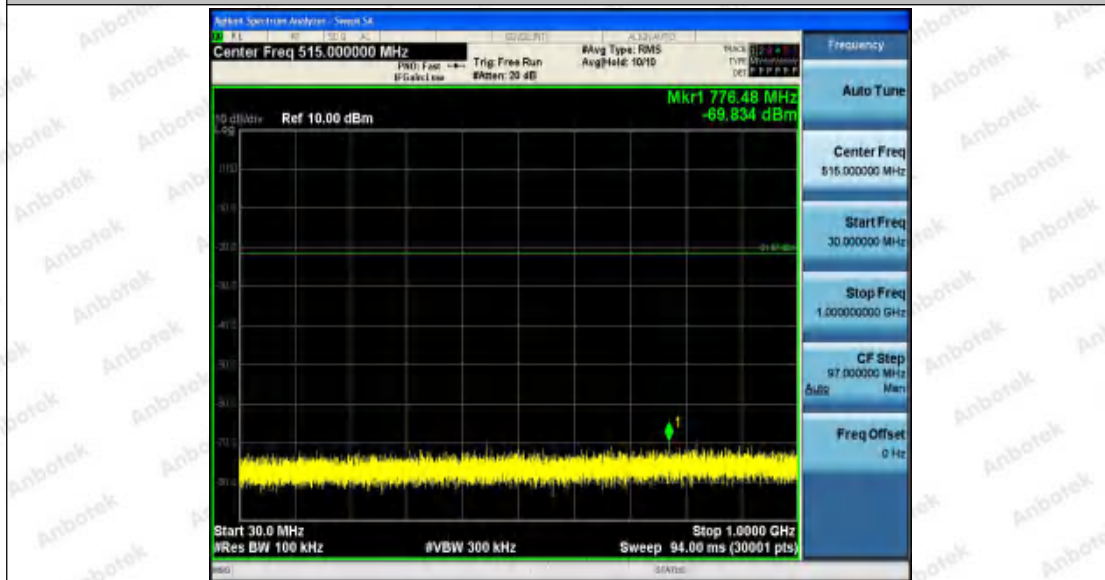
11N20\_Ant1\_2437\_1000~26500



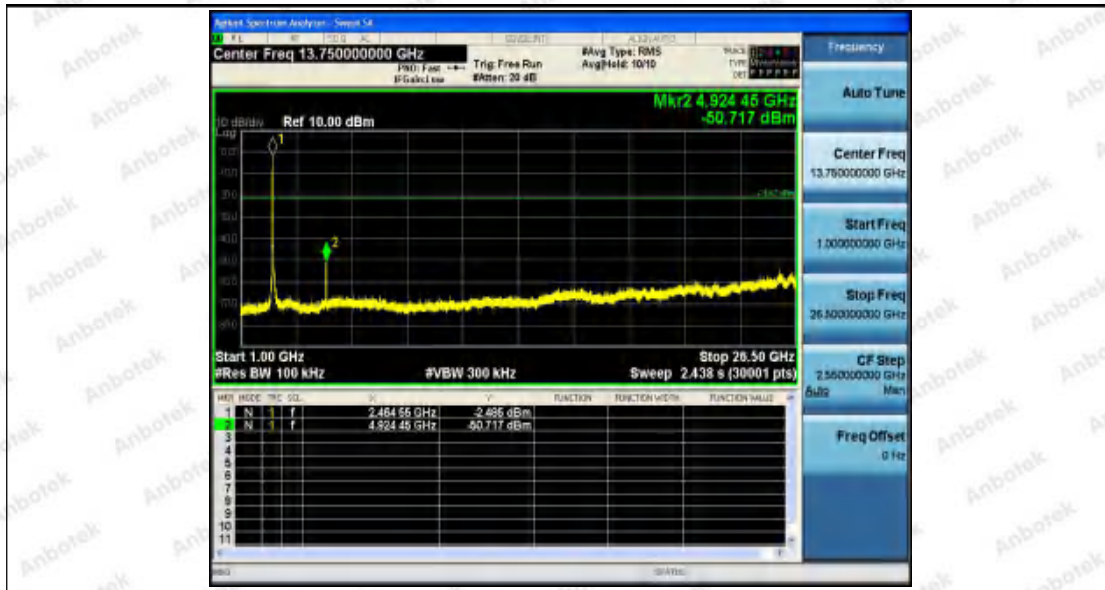
11N20\_Ant1\_2462\_0~Reference



11N20\_Ant1\_2462\_30~1000



11N20\_Ant1\_2462\_1000~26500



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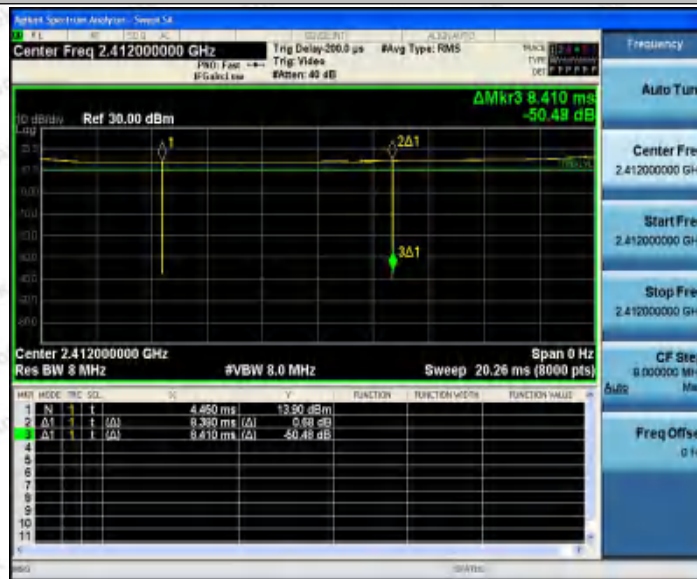
## Appendix G: Duty Cycle

### Test Result

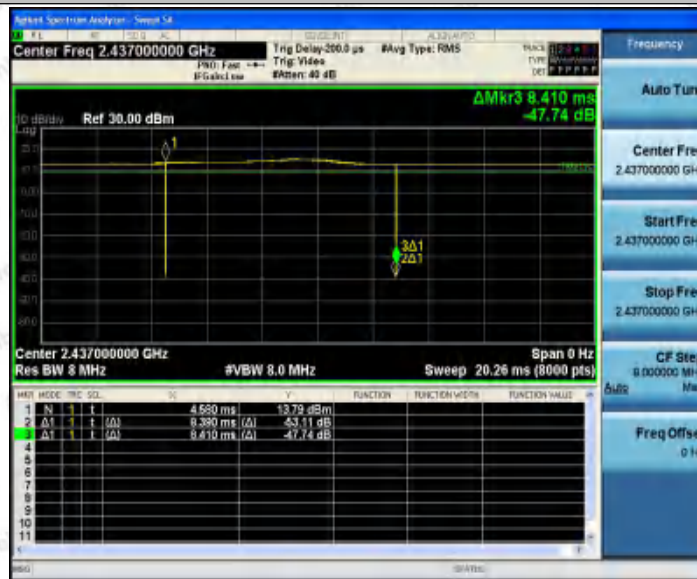
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	8.38	8.41	99.64	---	PASS
		2437	8.39	8.41	99.76	---	PASS
		2462	8.38	8.41	99.64	---	PASS
11G	Ant1	2412	1.39	1.42	97.89	---	PASS
		2437	1.39	1.43	97.20	---	PASS
		2462	1.39	1.42	97.89	---	PASS
11N20	Ant1	2412	1.30	1.34	97.01	---	PASS
		2437	1.30	1.34	97.01	---	PASS
		2462	1.30	1.34	97.01	---	PASS

## Test Graphs

11B\_Ant1\_2412

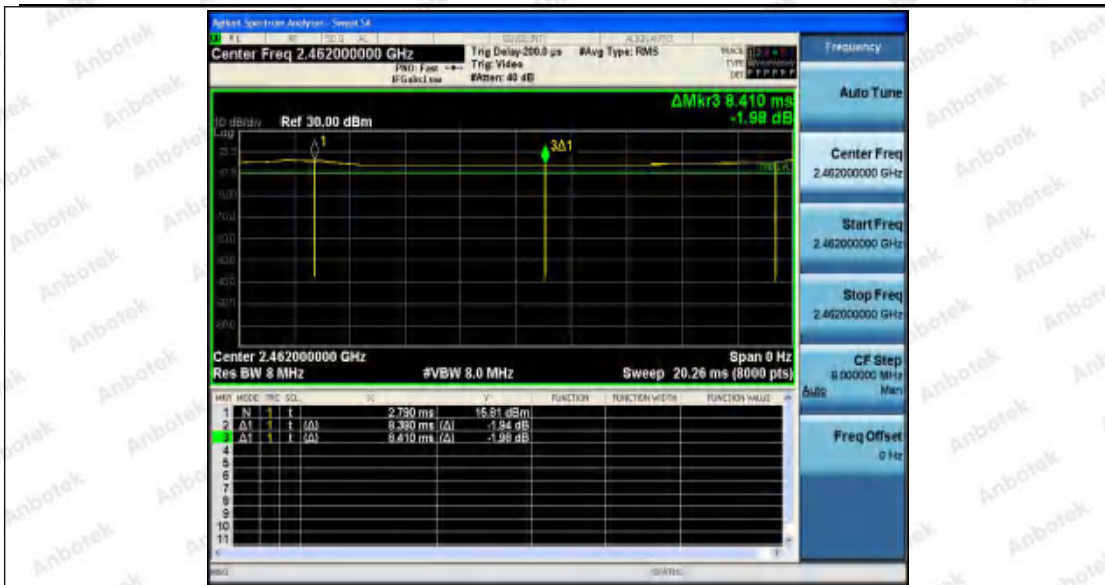


11B\_Ant1\_2437

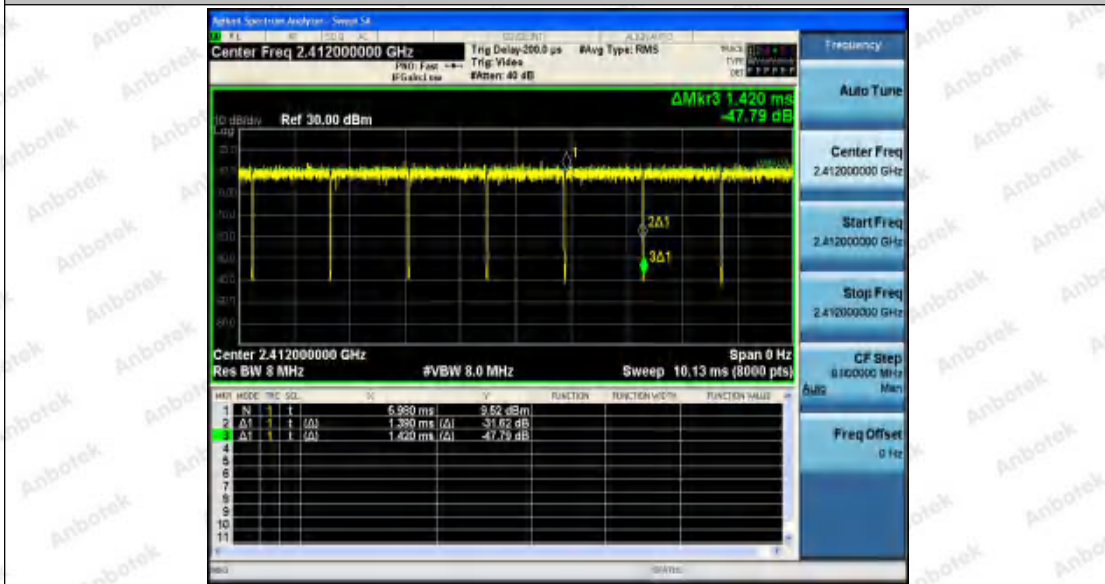


11B\_Ant1\_2462

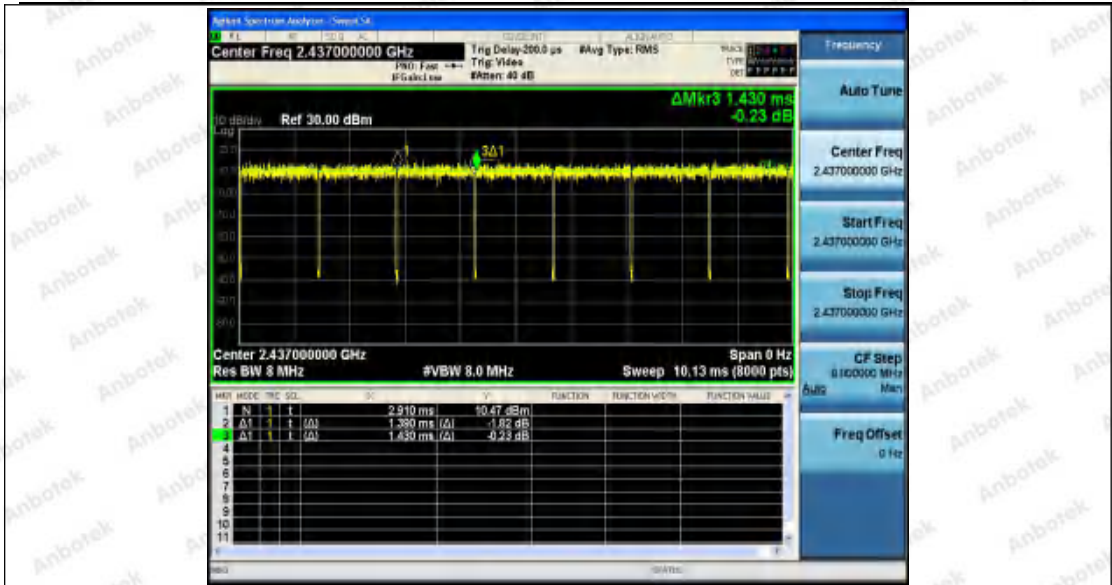




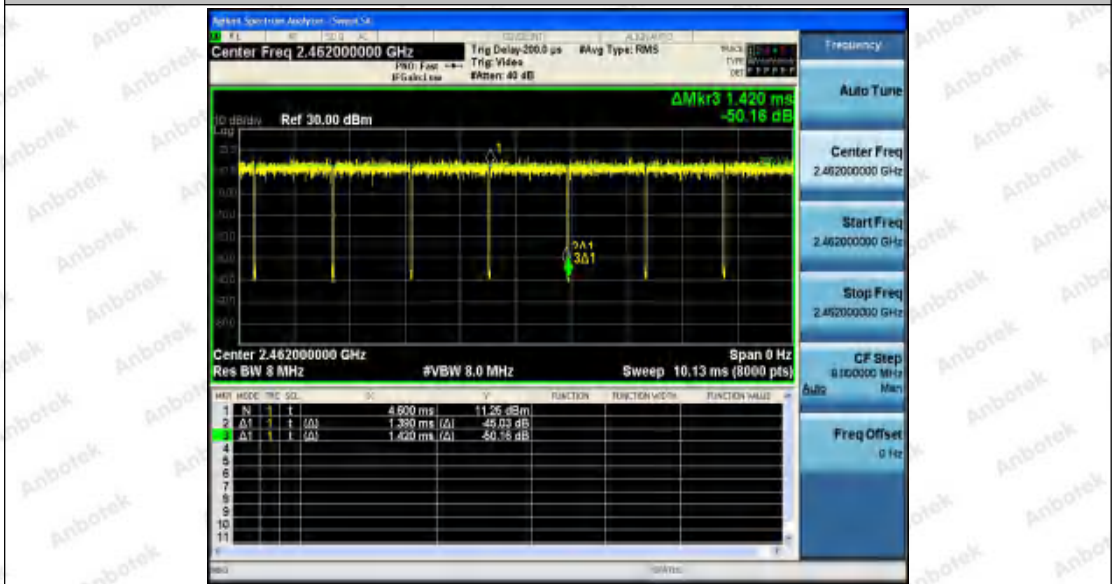
11G\_Ant1\_2412



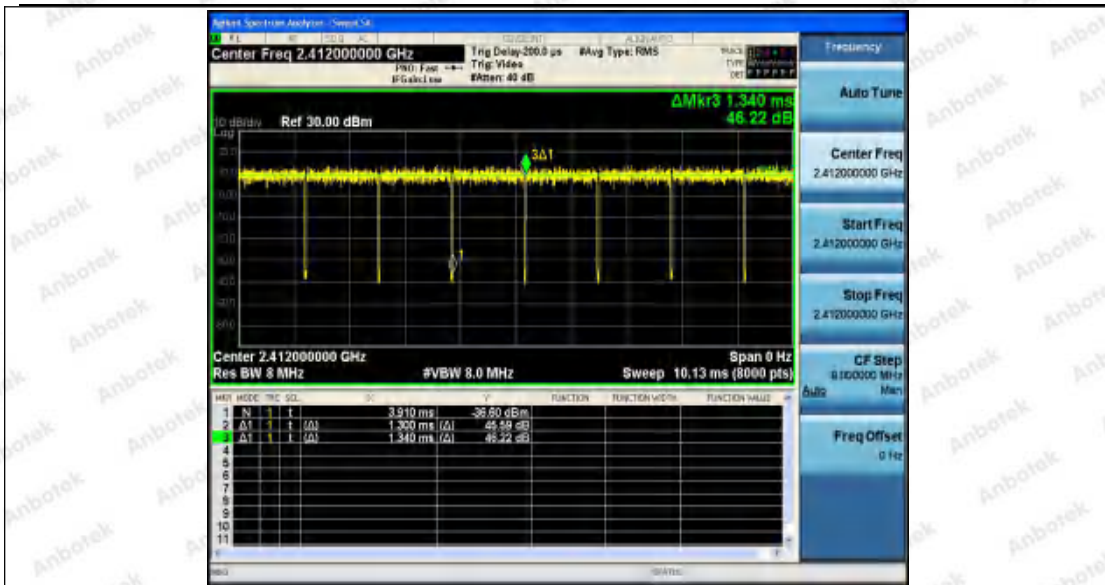
11G\_Ant1\_2437



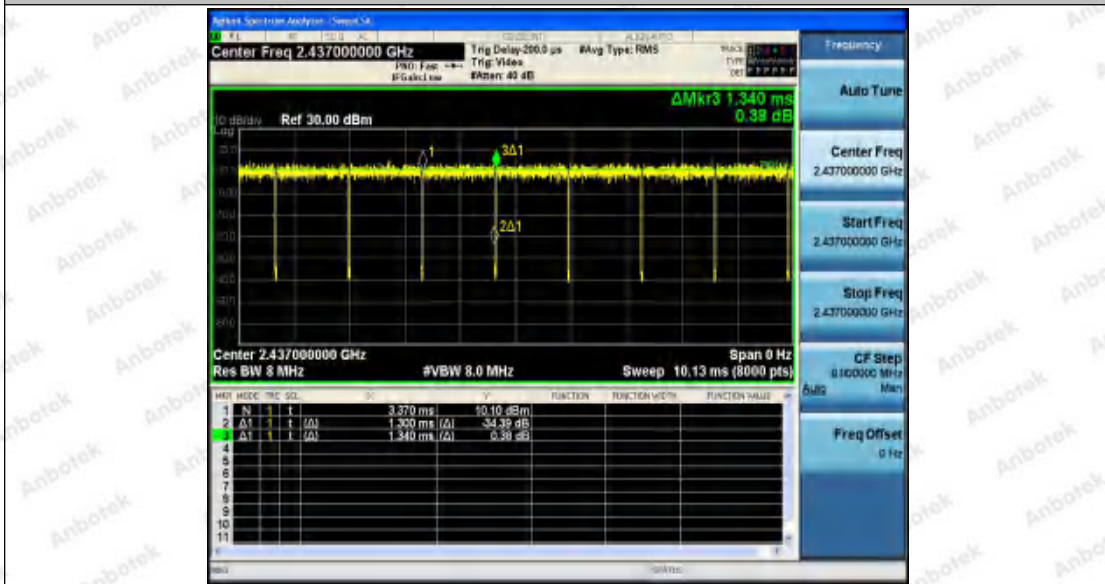
11G\_Ant1\_2462



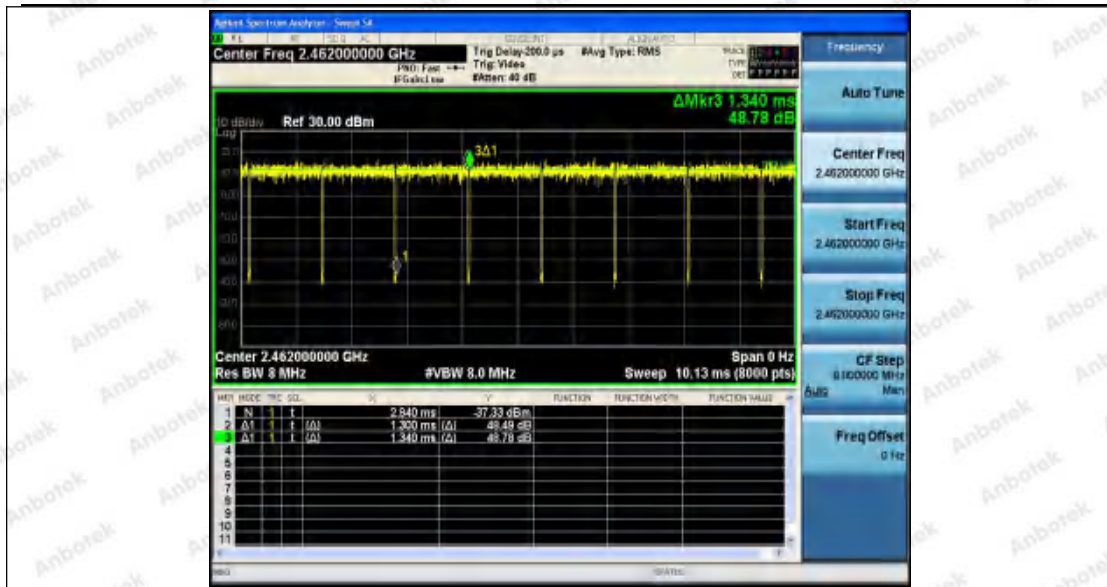
11N20\_Ant1\_2412



11N20\_Ant1\_2437



11N20\_Ant1\_2462



---End---