

## Appendix Test Data

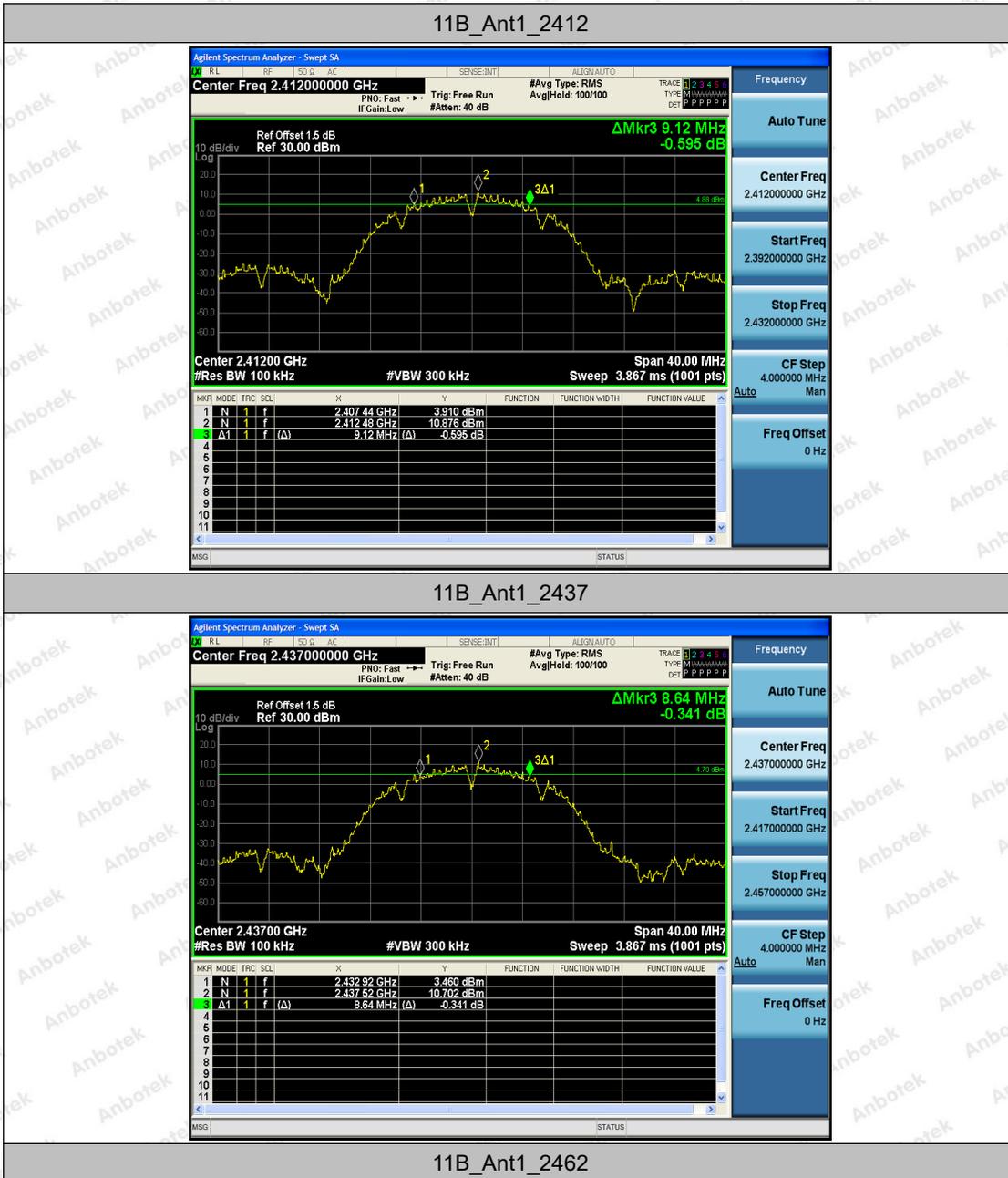
Report No.:	18220WC10276001	Test Sample No.:	1-2-2
Start Test Date:	2021.12.14	Finish Test Date:	2022.1.12
Test Engineer:	<i>Jomy He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.5°C	Relative Humidity:	54 %
Pressure:	1012 hPa		

## 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	8.640	2432.920	2441.560	≥0.5	PASS
		2462	8.160	2457.440	2465.600	≥0.5	PASS
11G	Ant1	2412	15.240	2404.080	2419.320	≥0.5	PASS
		2437	16.360	2428.840	2445.200	≥0.5	PASS
		2462	13.920	2454.800	2468.720	≥0.5	PASS
11N20	Ant1	2412	13.880	2405.720	2419.600	≥0.5	PASS
		2437	15.160	2429.400	2444.560	≥0.5	PASS
		2462	15.520	2454.080	2469.600	≥0.5	PASS

## Test Graphs





11G\_Ant1\_2412



11G\_Ant1\_2437



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11N20\_Ant1\_2462



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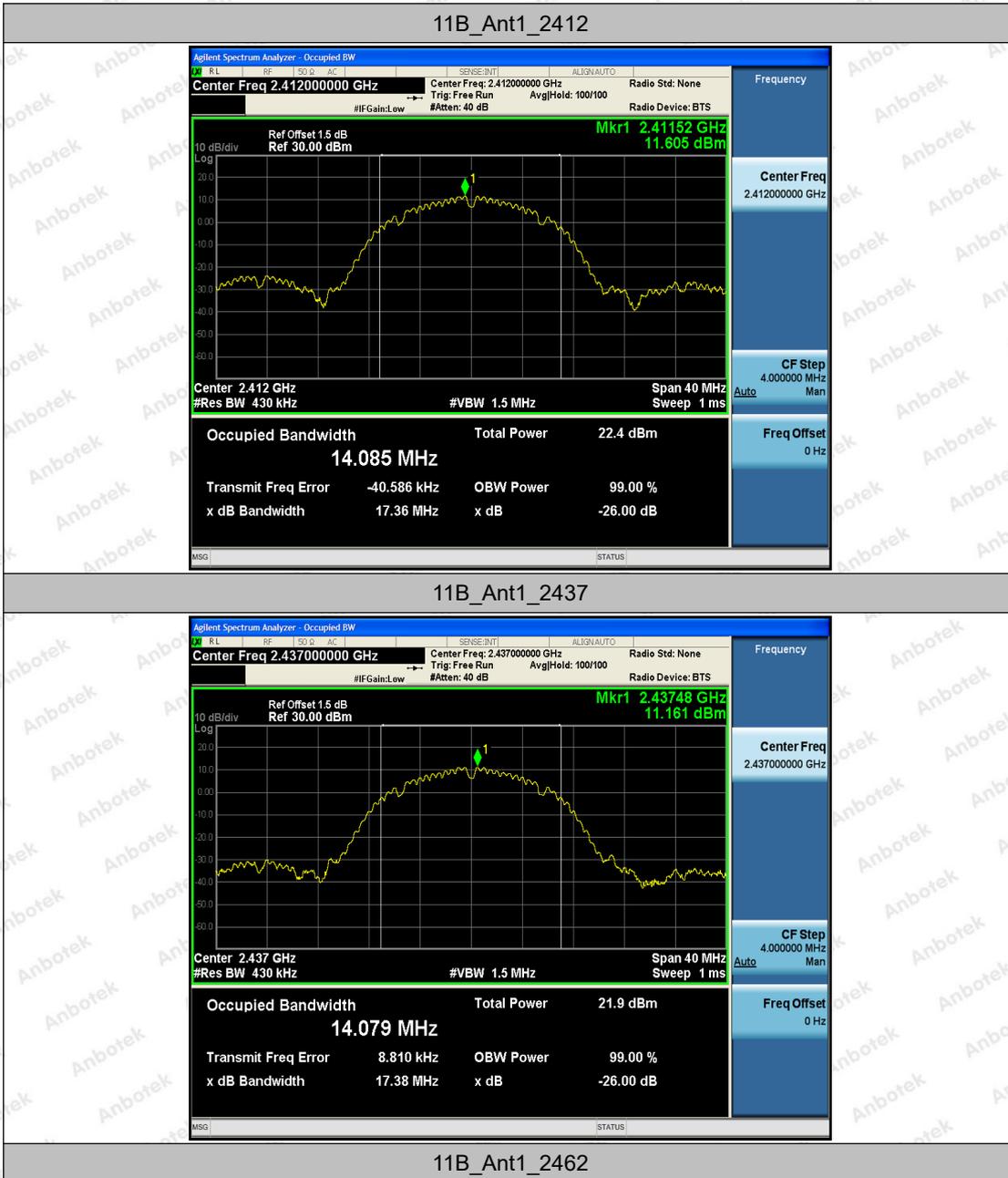
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## Appendix B: Occupied Channel Bandwidth

### Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.085	2404.917	2419.002	---	PASS
		2437	14.079	2429.969	2444.048	---	PASS
		2462	14.119	2454.880	2468.999	---	PASS
11G	Ant1	2412	16.624	2403.665	2420.289	---	PASS
		2437	16.612	2428.703	2445.315	---	PASS
		2462	16.589	2453.650	2470.239	---	PASS
11N20	Ant1	2412	17.691	2403.116	2420.807	---	PASS
		2437	17.697	2428.154	2445.851	---	PASS
		2462	17.749	2453.064	2470.813	---	PASS

## Test Graphs



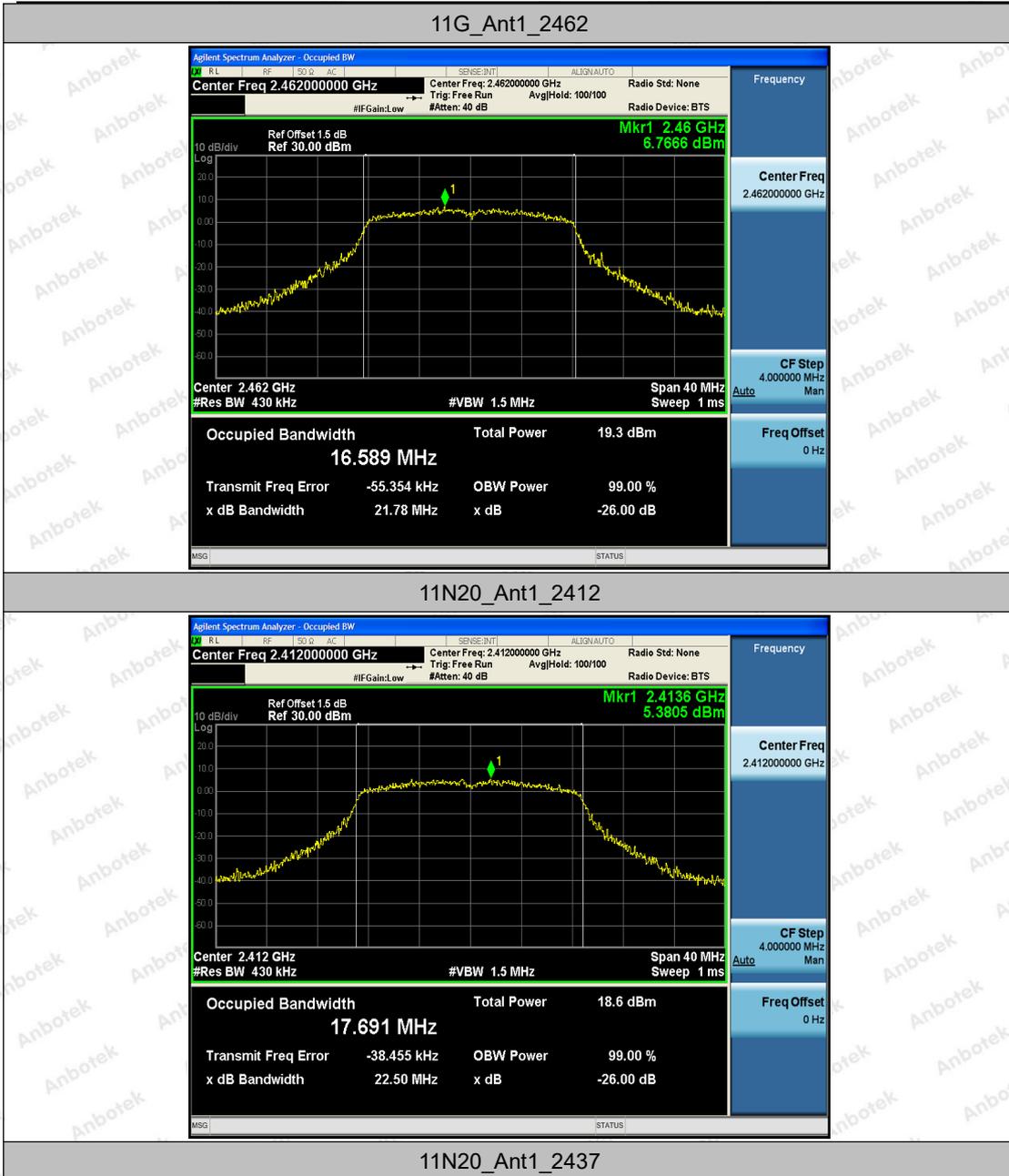


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## Appendix C: Maximum conducted output power

### Test Result

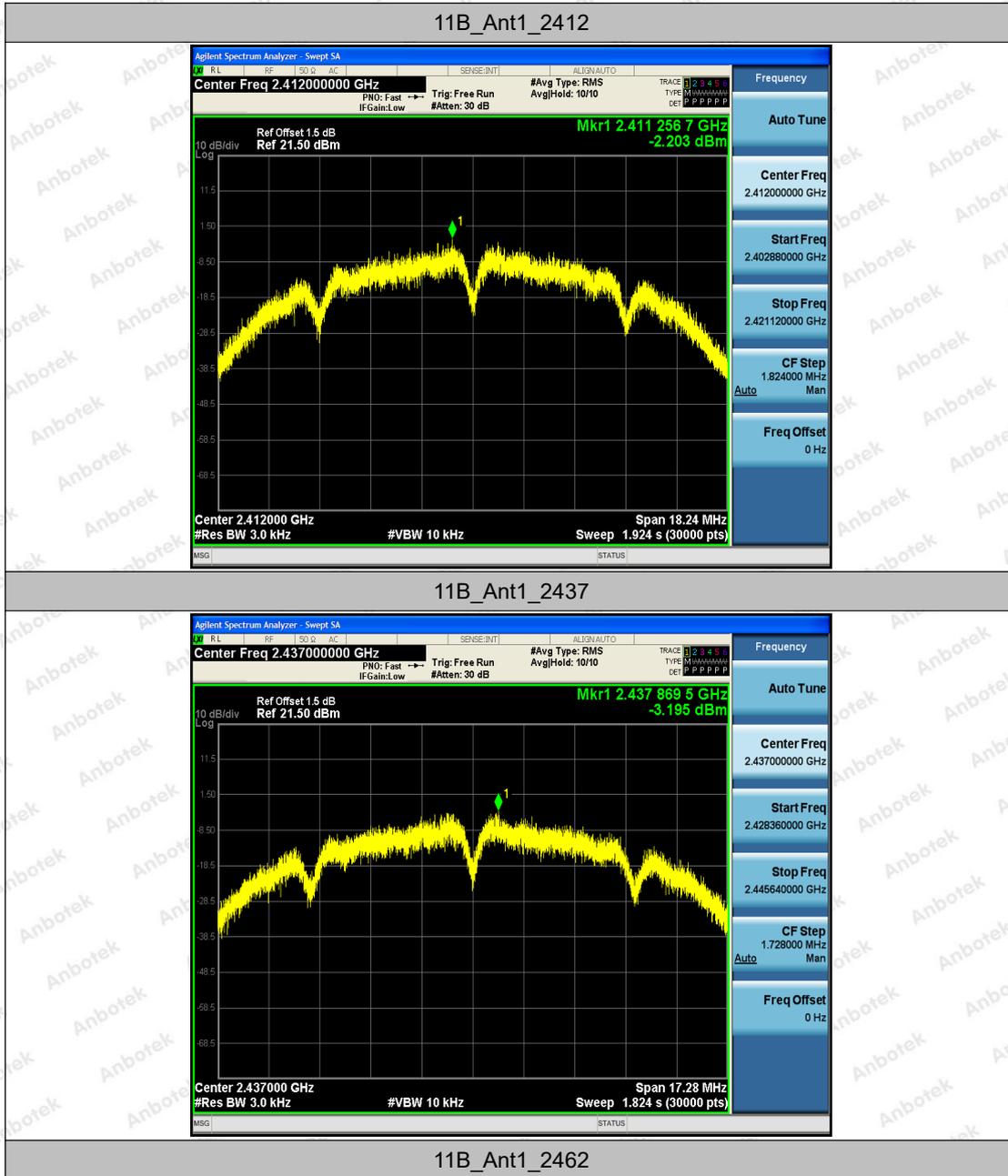
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	22.34	≤30	PASS
		2437	21.92	≤30	PASS
		2462	22.32	≤30	PASS
11G	Ant1	2412	20.60	≤30	PASS
		2437	20.30	≤30	PASS
		2462	20.47	≤30	PASS
11N20	Ant1	2412	19.68	≤30	PASS
		2437	19.55	≤30	PASS
		2462	19.59	≤30	PASS

## Appendix D: Maximum power spectral density

### Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-2.2	≤8	PASS
		2437	-3.2	≤8	PASS
		2462	-3.14	≤8	PASS
11G	Ant1	2412	-11.23	≤8	PASS
		2437	-11.66	≤8	PASS
		2462	-11.47	≤8	PASS
11N20	Ant1	2412	-12.35	≤8	PASS
		2437	-11.77	≤8	PASS
		2462	-12.09	≤8	PASS

**Test Graphs**



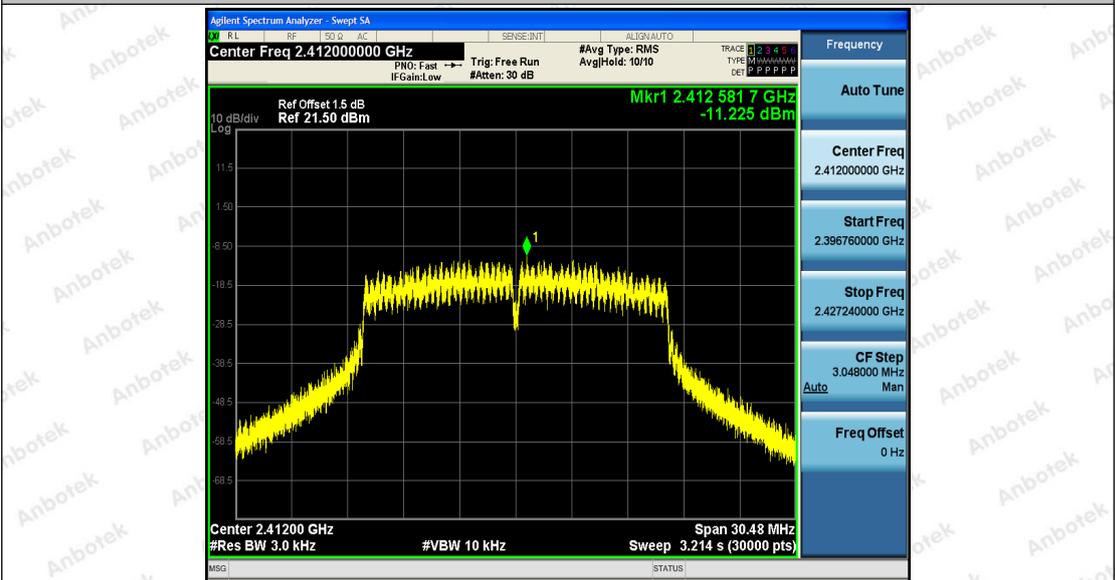
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 Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

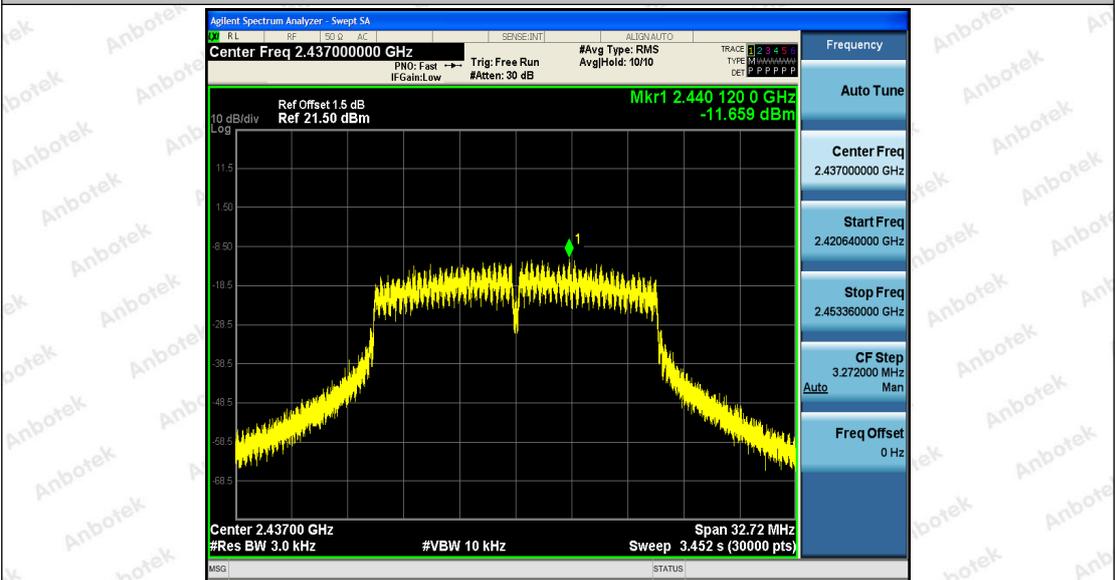
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11G\_Ant1\_2412



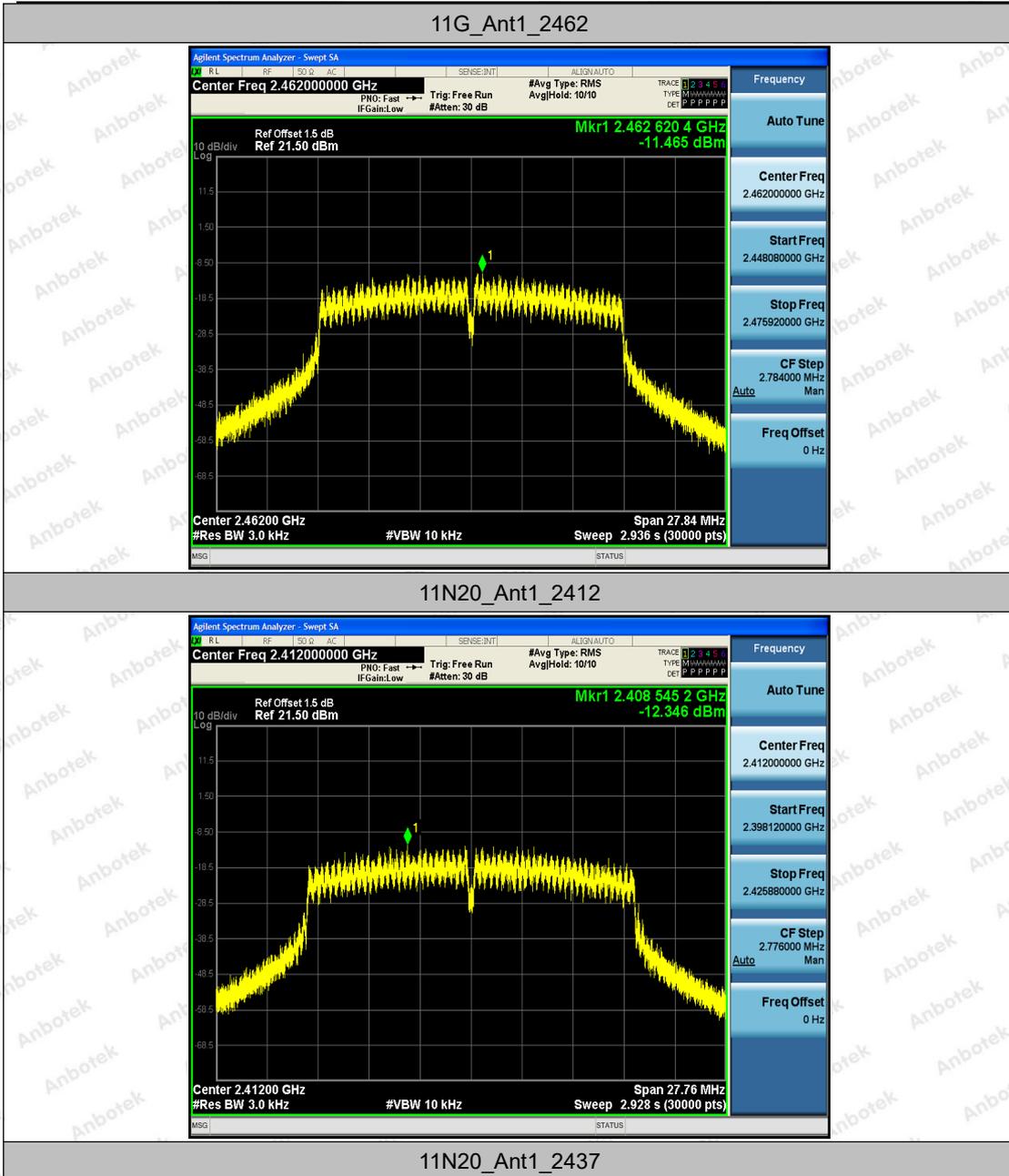
11G\_Ant1\_2437



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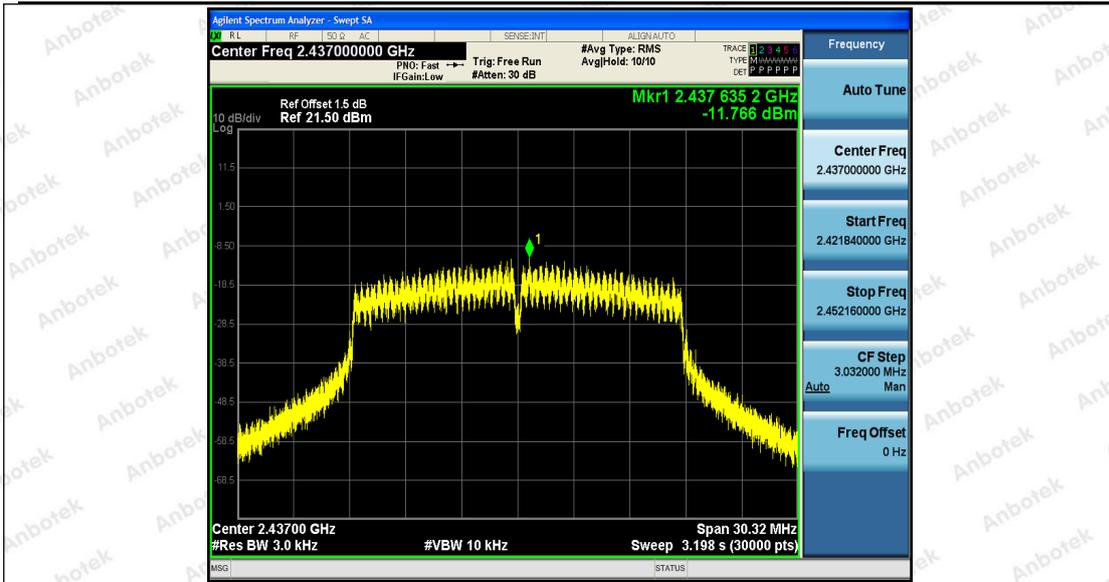
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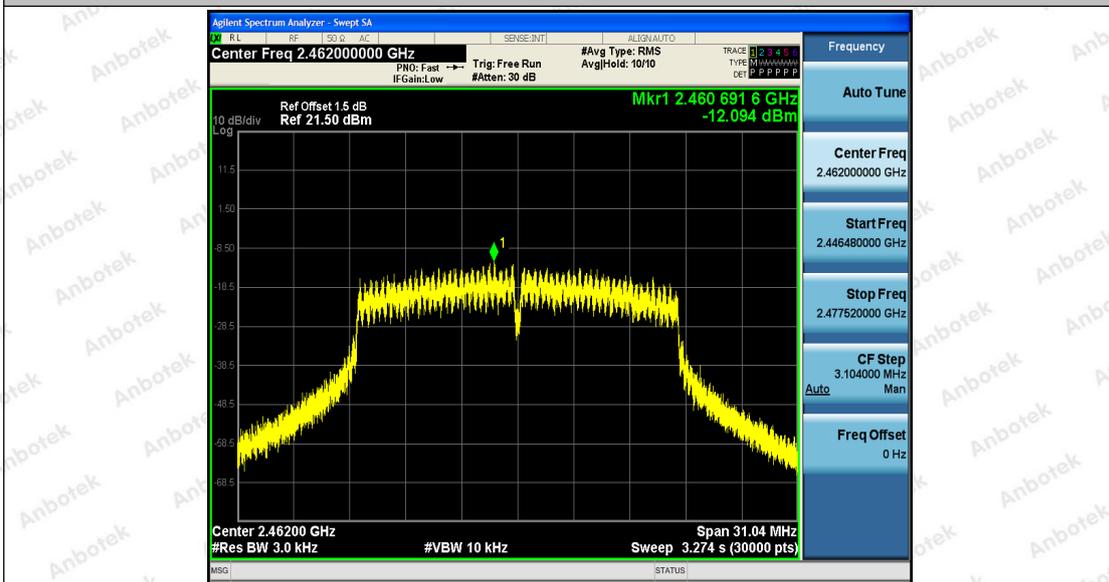
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11N20\_Ant1\_2462



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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	11.26	-30.91	≤-8.74	PASS
		High	2462	10.61	-43.48	≤-9.39	PASS
11G	Ant1	Low	2412	2.07	-30.48	≤-17.93	PASS
		High	2462	2.32	-46.8	≤-17.68	PASS
11N20	Ant1	Low	2412	1.47	-31.68	≤-18.53	PASS
		High	2462	1.73	-48.08	≤-18.27	PASS

## Test Graphs





11G\_Ant1\_High\_2462



11N20\_Ant1\_Low\_2412

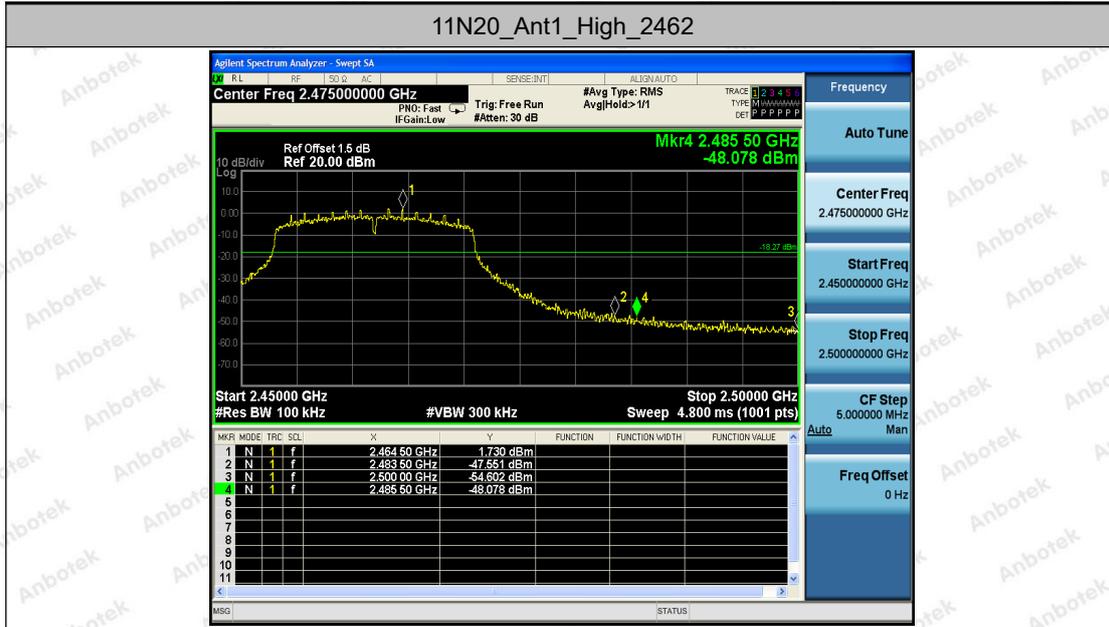


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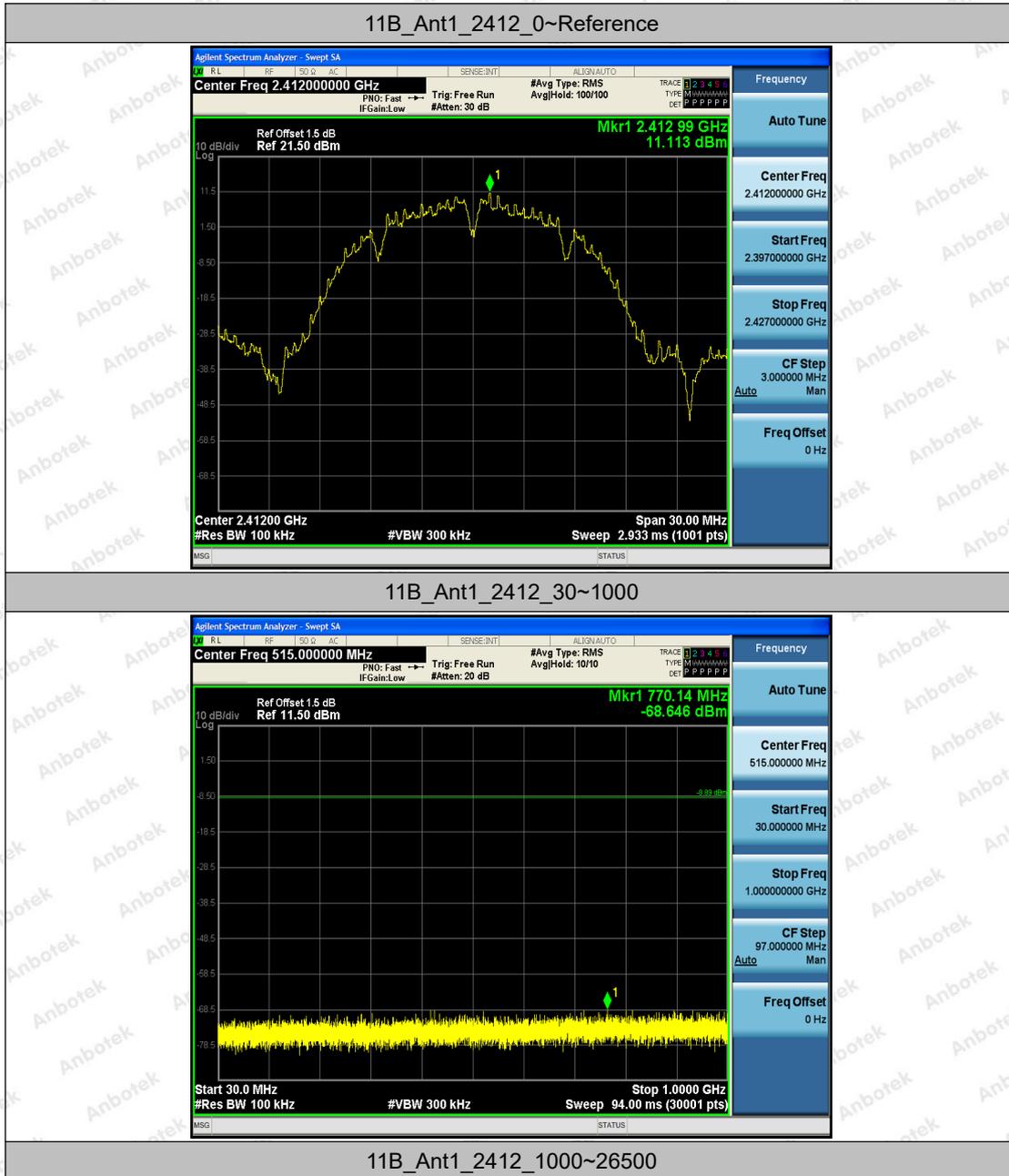
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## Appendix F: Conducted Spurious Emission

### Test Result

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	11.11	11.11	---	PASS
			30~1000	11.11	-68.65	≤-8.89	PASS
			1000~26500	11.11	-54.08	≤-8.89	PASS
		2437	Reference	10.36	10.36	---	PASS
			30~1000	10.36	-67.28	≤-9.64	PASS
			1000~26500	10.36	-54.37	≤-9.64	PASS
		2462	Reference	10.80	10.80	---	PASS
			30~1000	10.80	-68.85	≤-9.2	PASS
			1000~26500	10.80	-53.99	≤-9.2	PASS
11G	Ant1	2412	Reference	2.52	2.52	---	PASS
			30~1000	2.52	-68.35	≤-17.48	PASS
			1000~26500	2.52	-53.89	≤-17.48	PASS
		2437	Reference	1.85	1.85	---	PASS
			30~1000	1.85	-69.25	≤-18.15	PASS
			1000~26500	1.85	-54.29	≤-18.15	PASS
		2462	Reference	2.29	2.29	---	PASS
			30~1000	2.29	-68.81	≤-17.71	PASS
			1000~26500	2.29	-54.11	≤-17.71	PASS
11N20	Ant1	2412	Reference	2.26	2.26	---	PASS
			30~1000	2.26	-68.41	≤-17.74	PASS
			1000~26500	2.26	-54.01	≤-17.74	PASS
		2437	Reference	1.98	1.98	---	PASS
			30~1000	1.98	-68.11	≤-18.02	PASS
			1000~26500	1.98	-54.56	≤-18.02	PASS
		2462	Reference	2.04	2.04	---	PASS
			30~1000	2.04	-69.06	≤-17.96	PASS
			1000~26500	2.04	-53.9	≤-17.96	PASS

## Test Graphs



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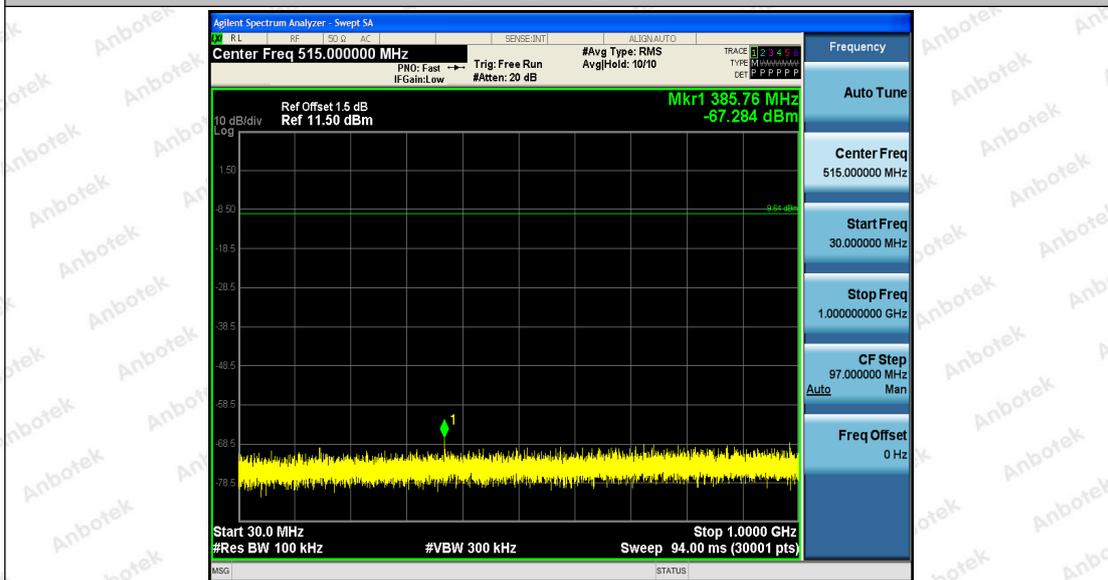
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11B\_Ant1\_2437\_0~Reference



11B\_Ant1\_2437\_30~1000

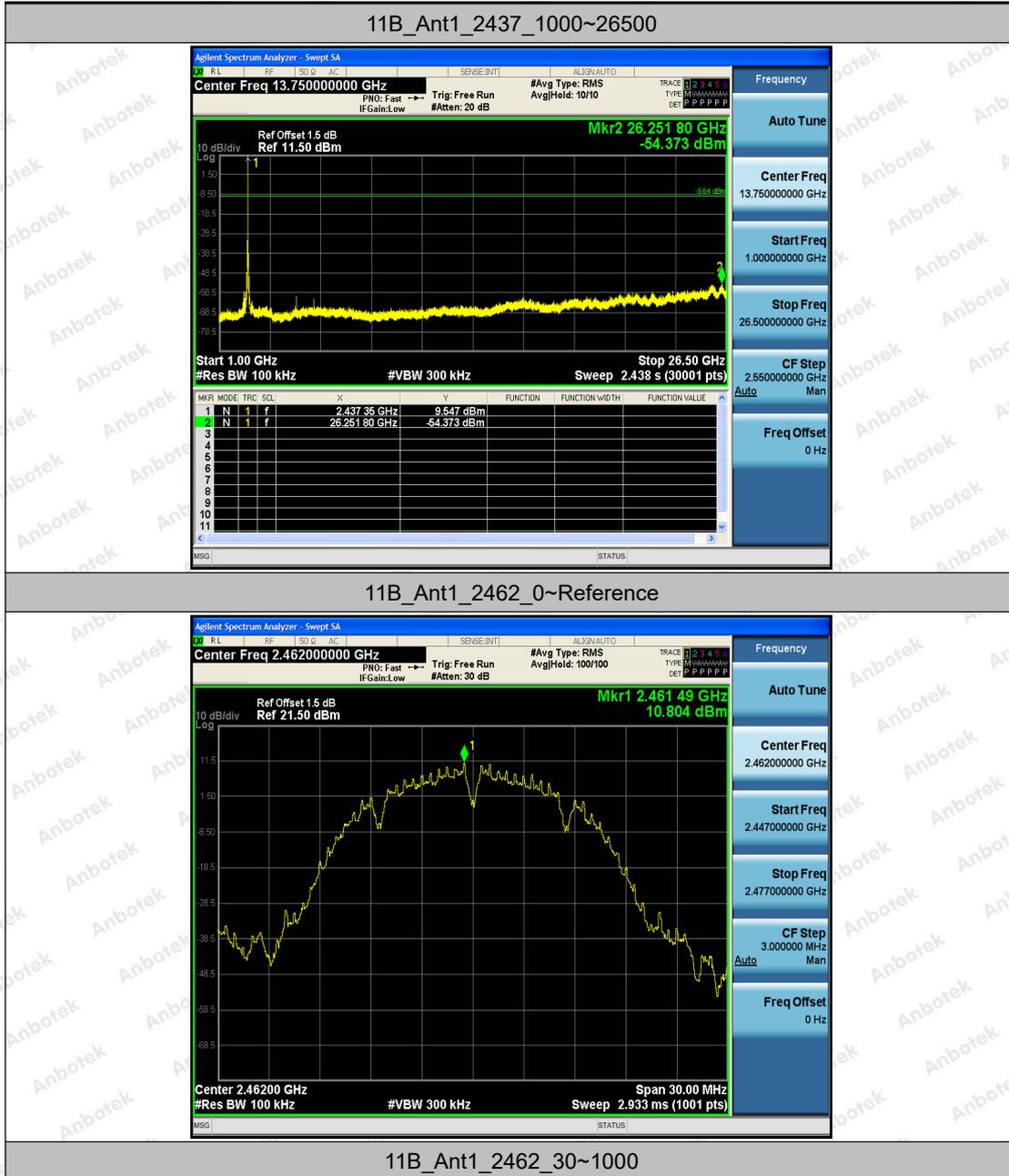


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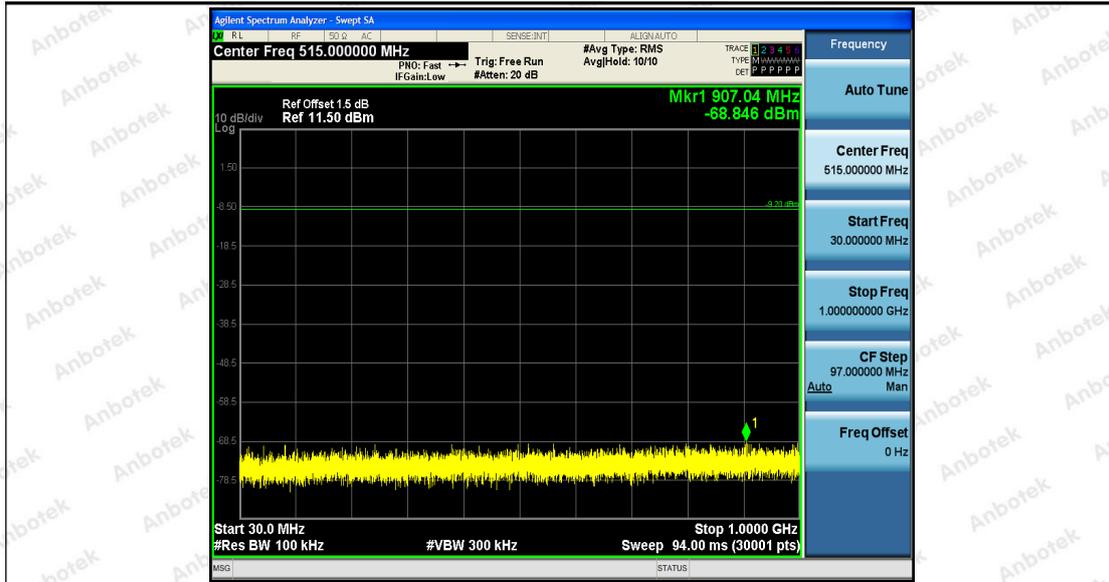


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11B\_Ant1\_2462\_1000~26500



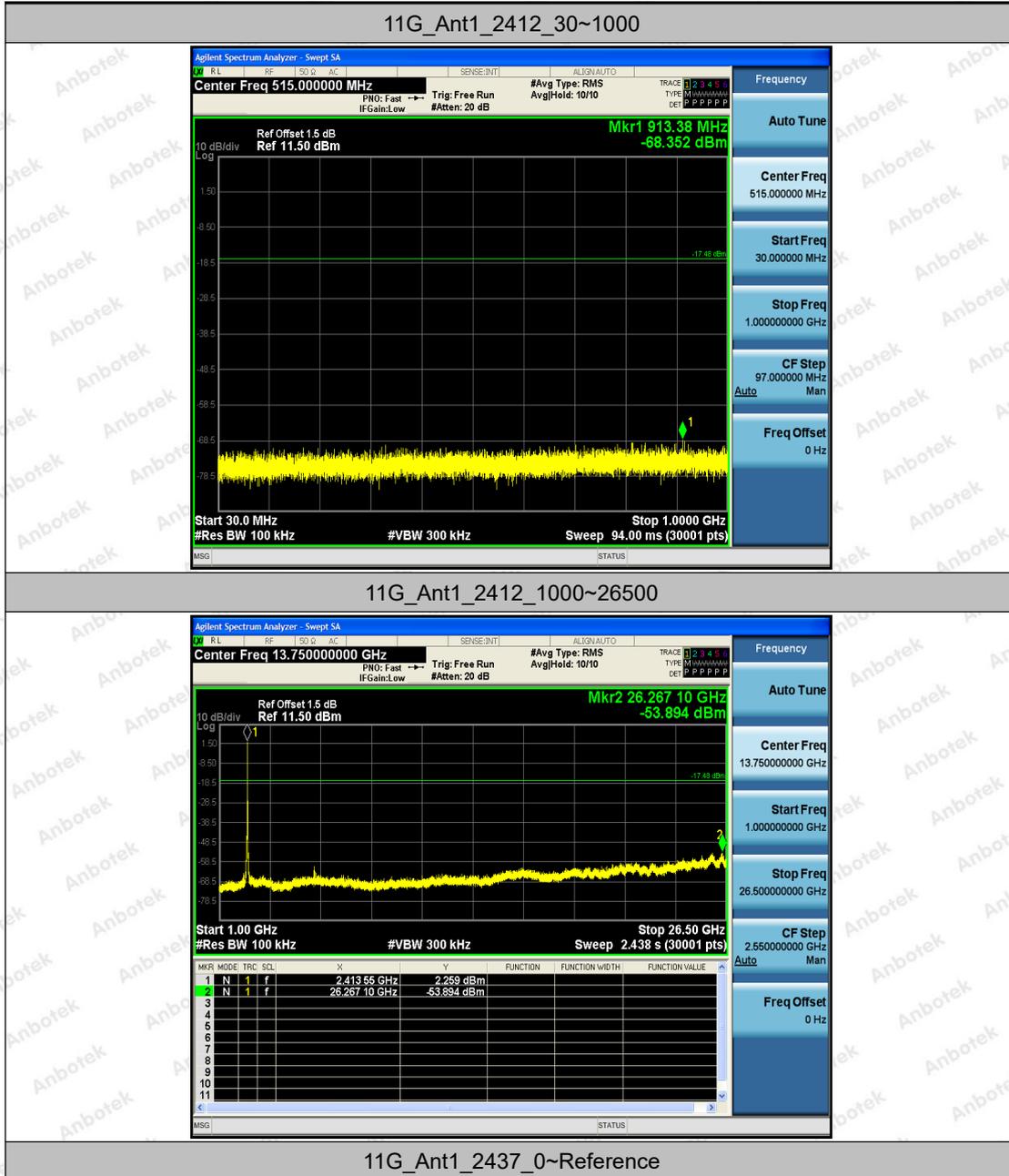
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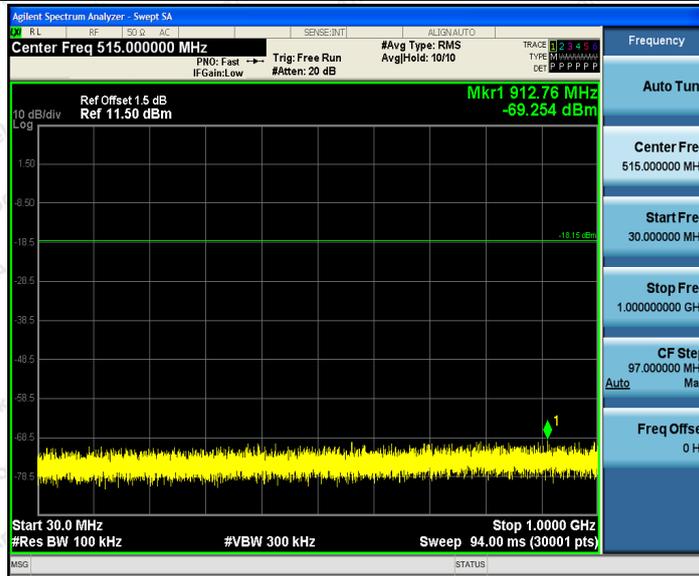
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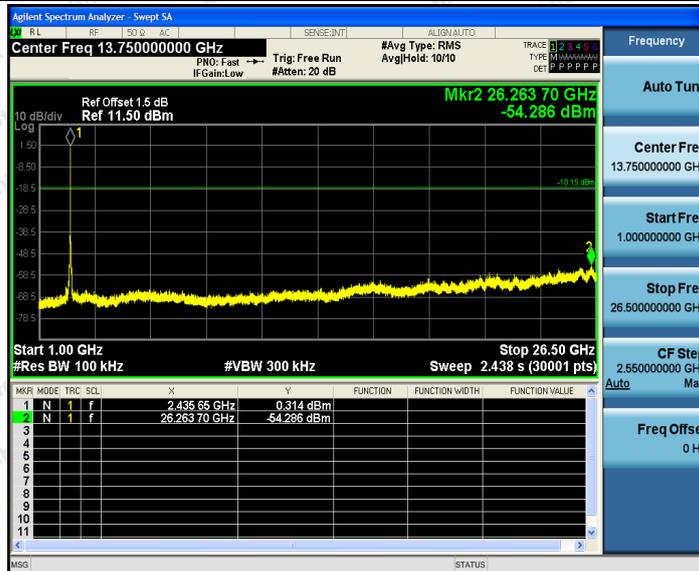
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11G\_Ant1\_2437\_30~1000



11G\_Ant1\_2437\_1000~26500

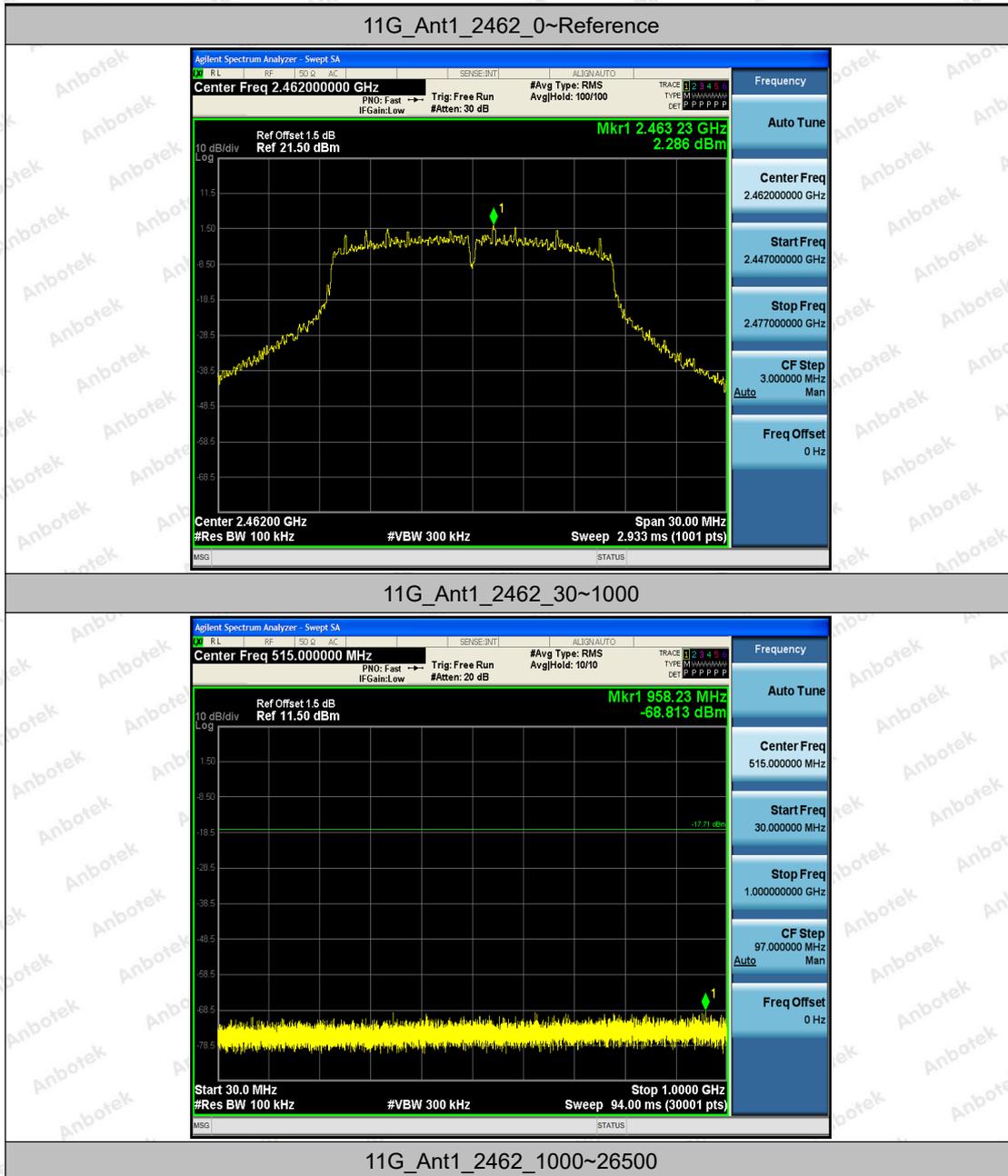


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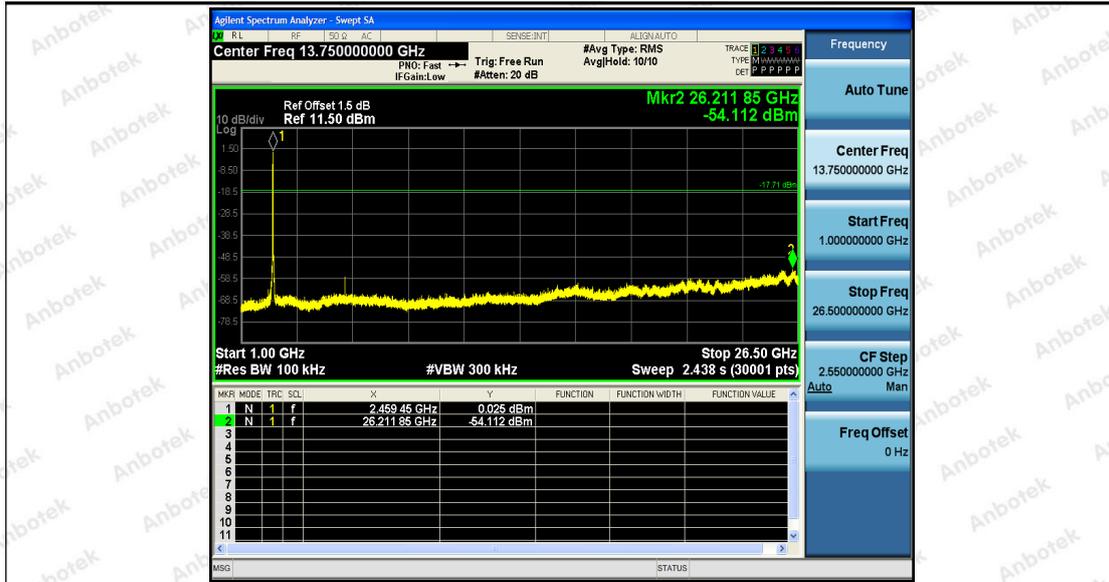
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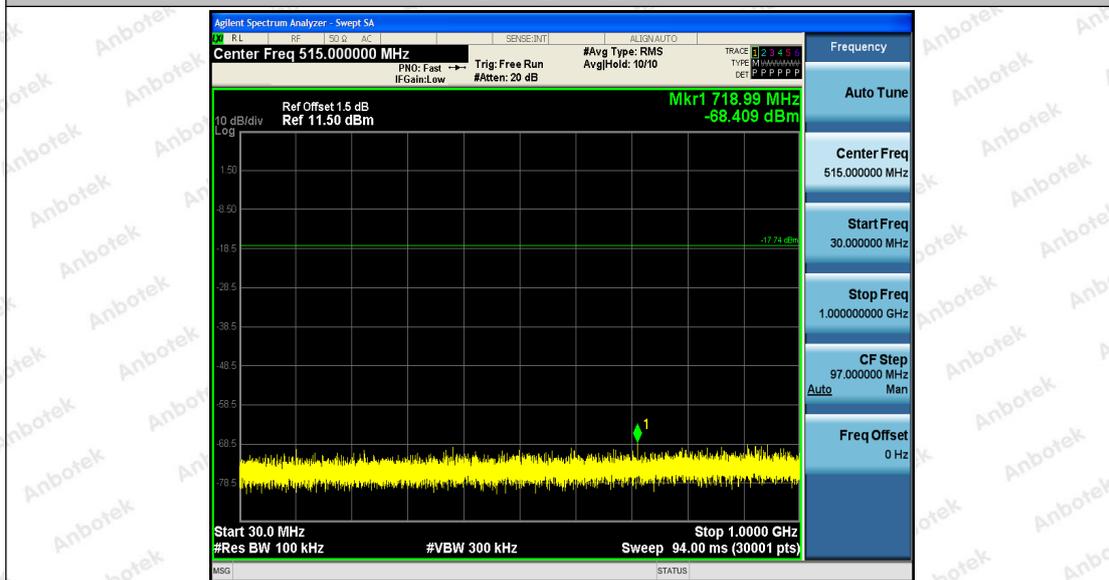
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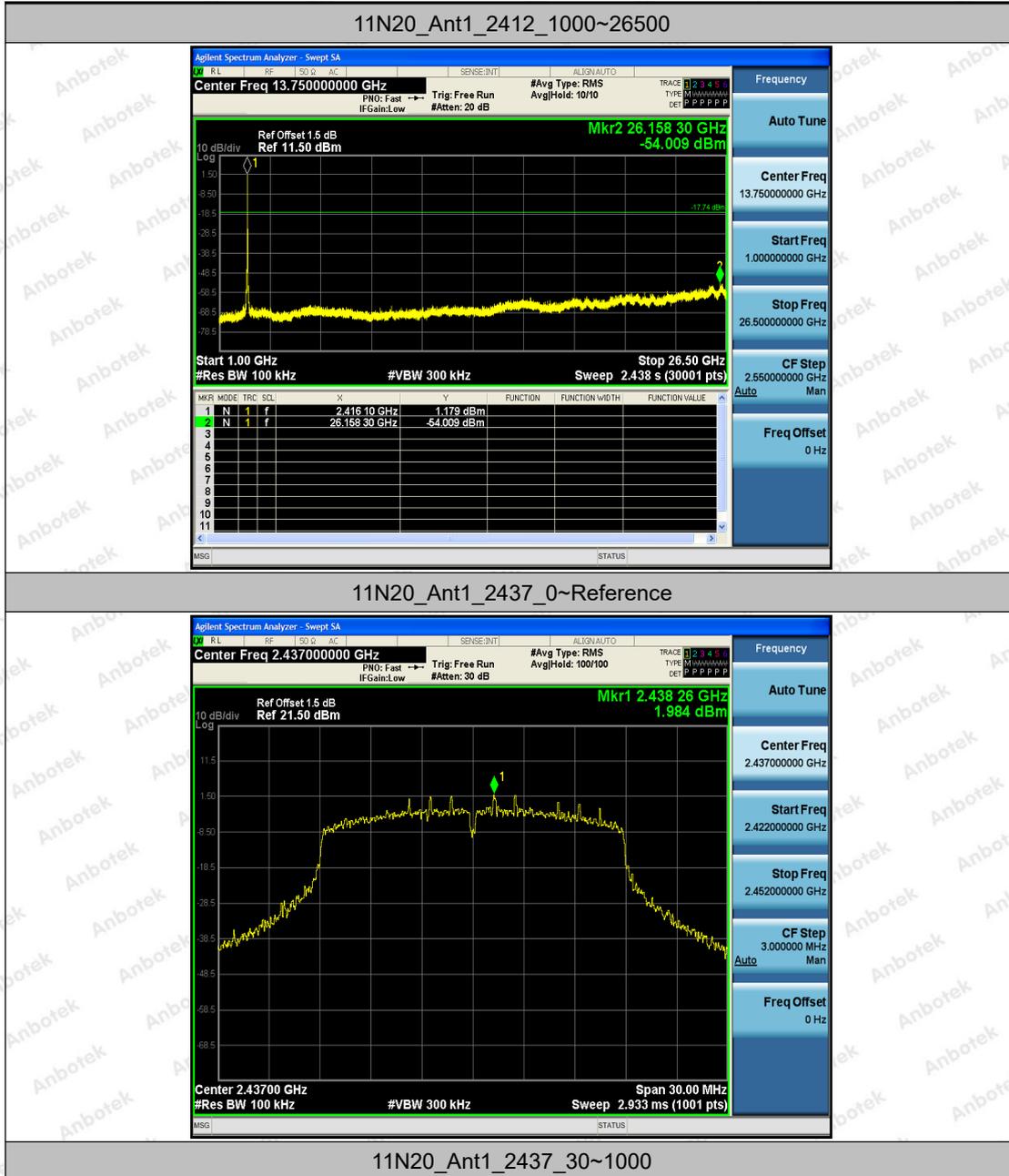
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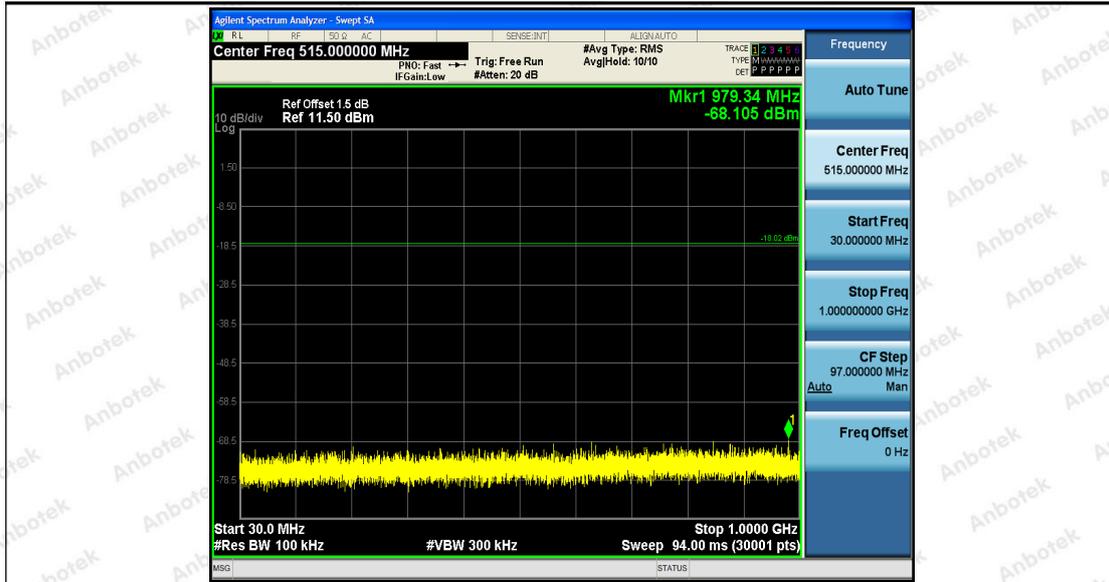
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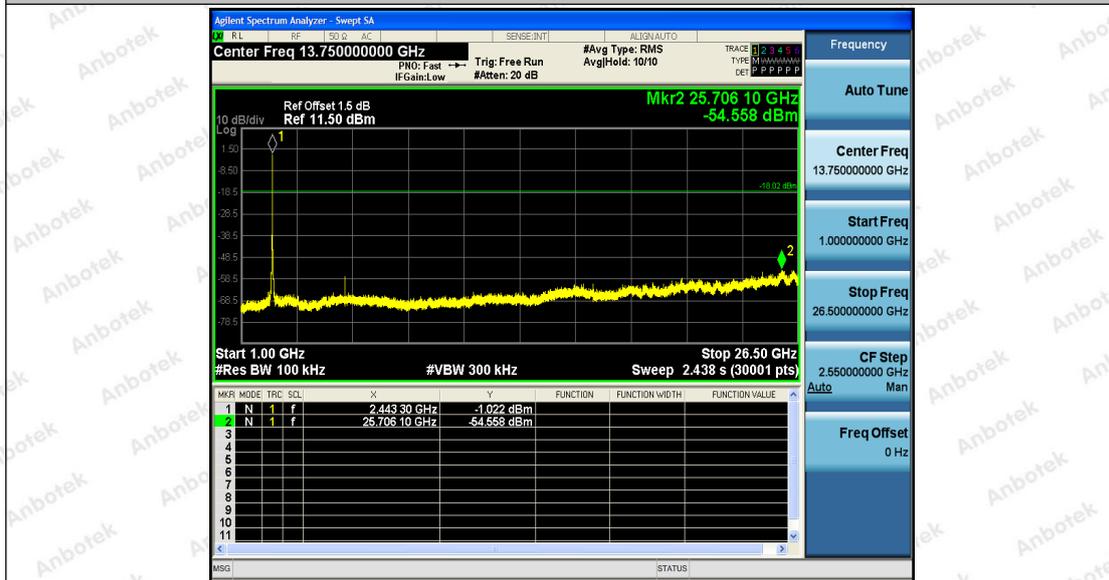
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11N20\_Ant1\_2437\_1000~26500



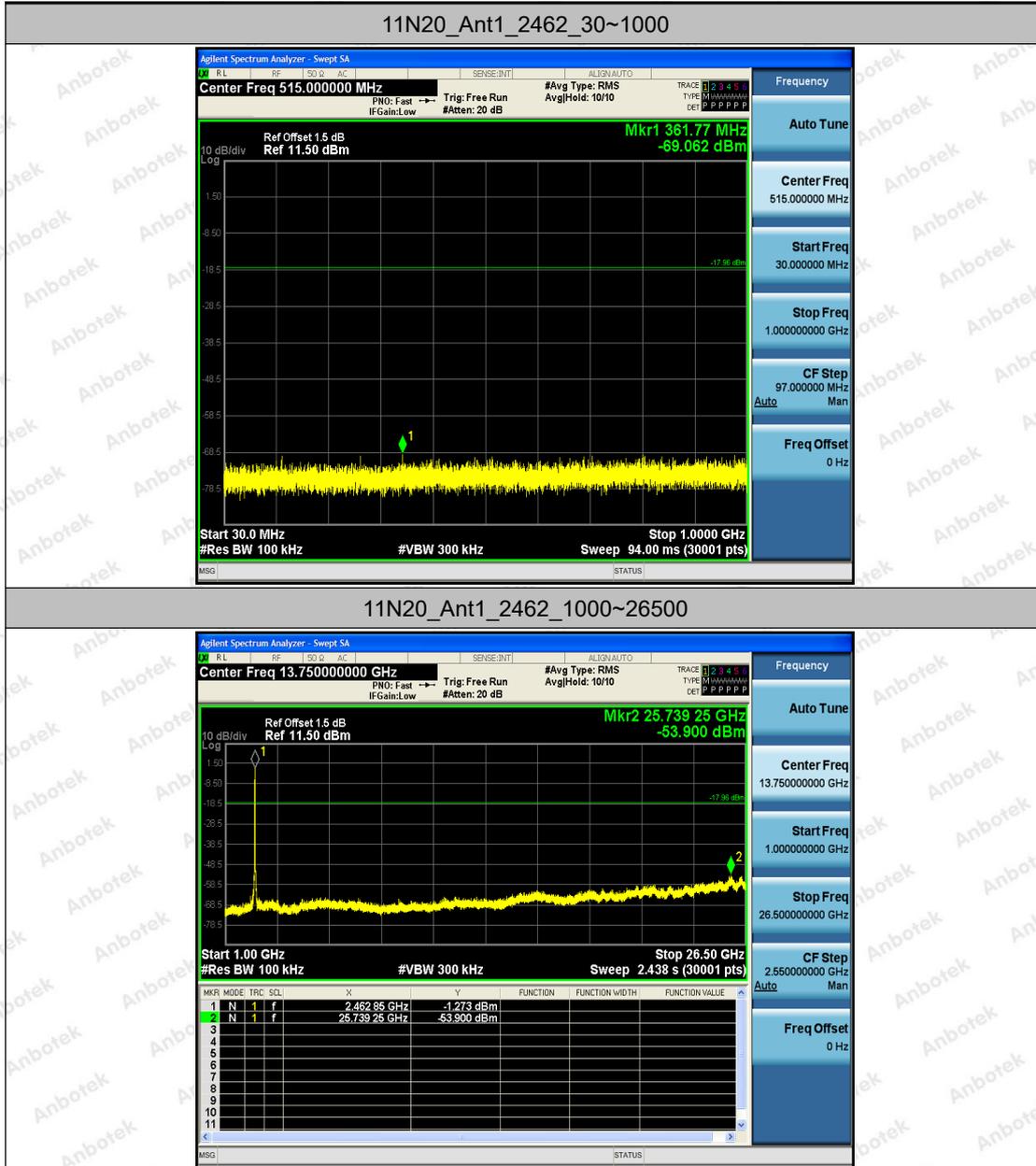
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## Appendix G: Duty Cycle

### Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	8.60	8.70	98.85	---	PASS
		2437	8.61	8.71	98.85	---	PASS
		2462	8.61	8.71	98.85	---	PASS
11G	Ant1	2412	1.43	1.53	93.46	---	PASS
		2437	1.43	1.53	93.46	---	PASS
		2462	1.43	1.53	93.46	---	PASS
11N20	Ant1	2412	1.34	1.44	93.06	---	PASS
		2437	1.34	1.44	93.06	---	PASS
		2462	1.34	1.44	93.06	---	PASS

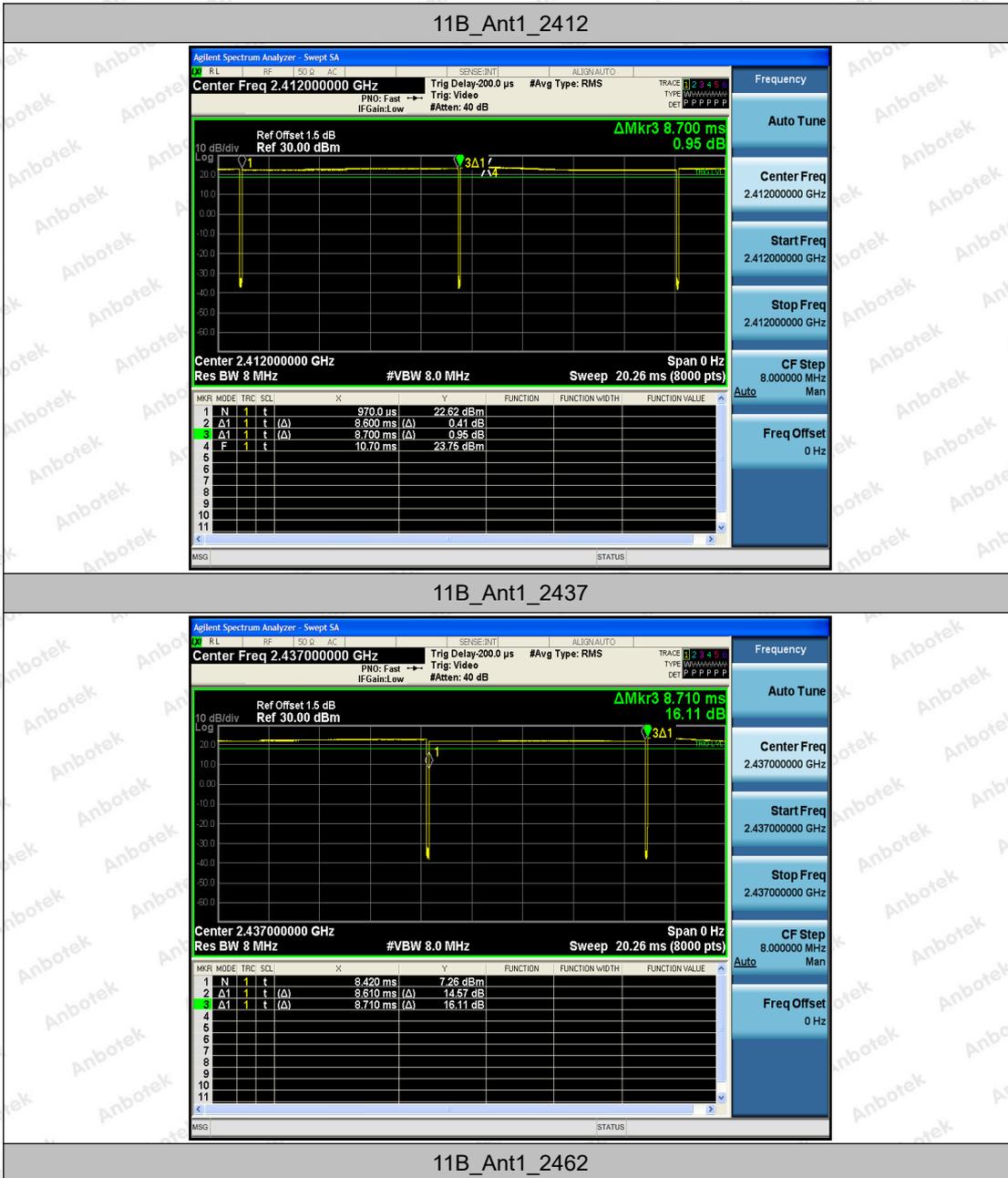
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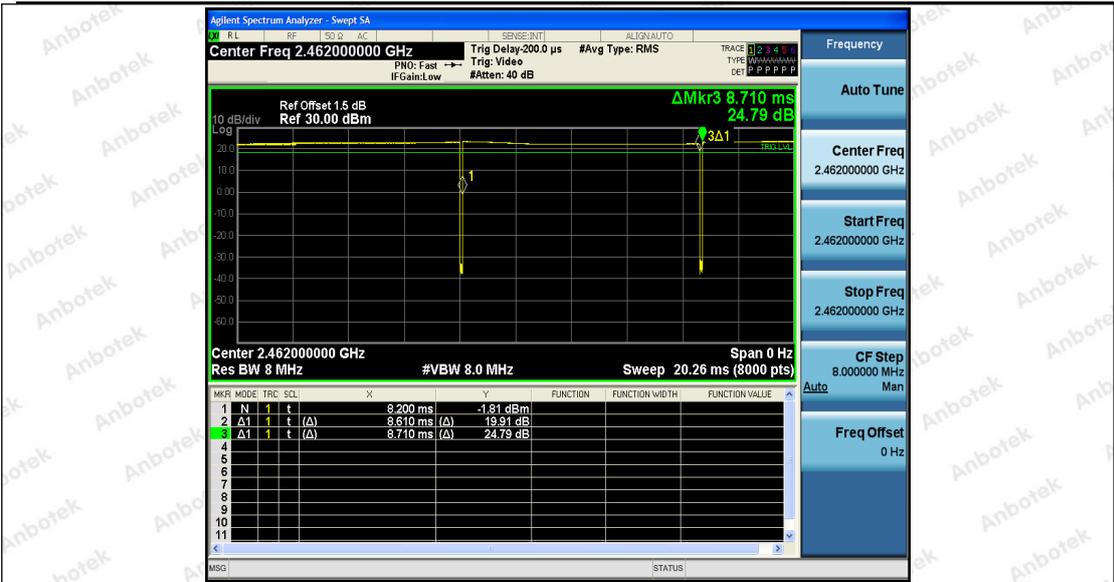
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

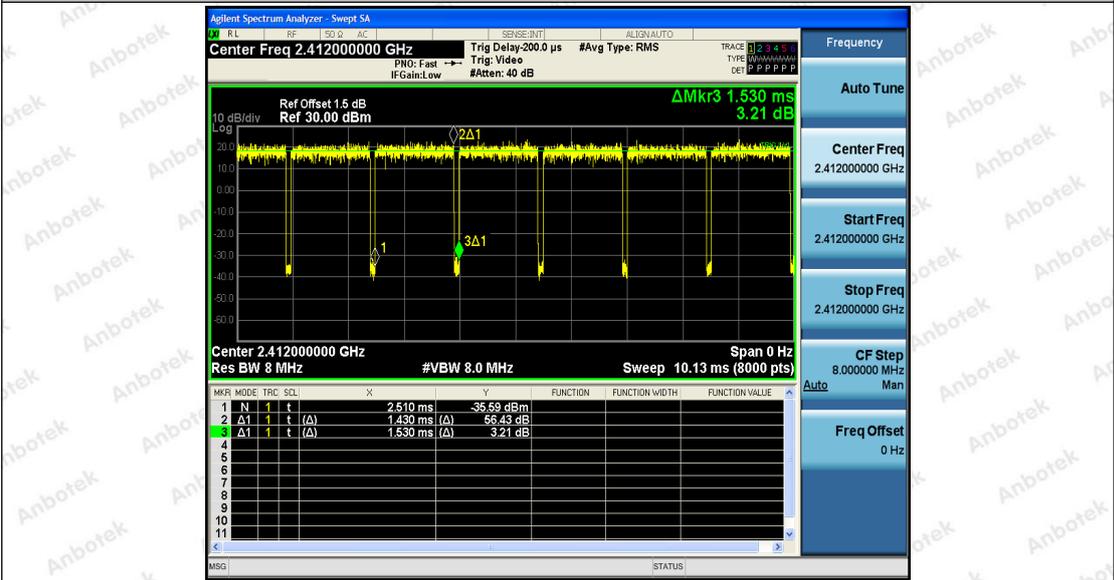
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## Test Graphs

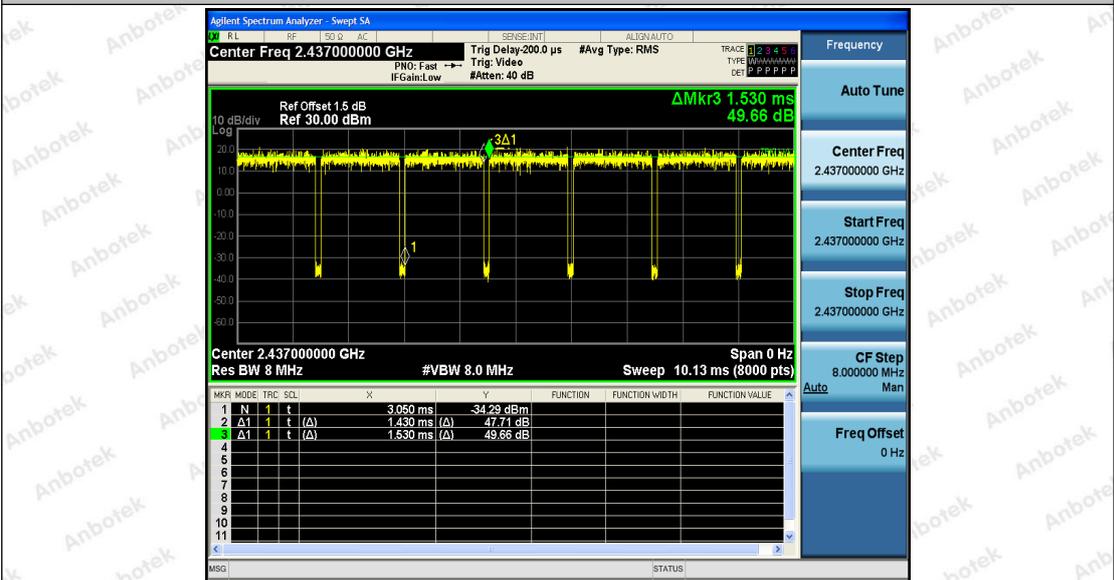




11G\_Ant1\_2412



11G\_Ant1\_2437



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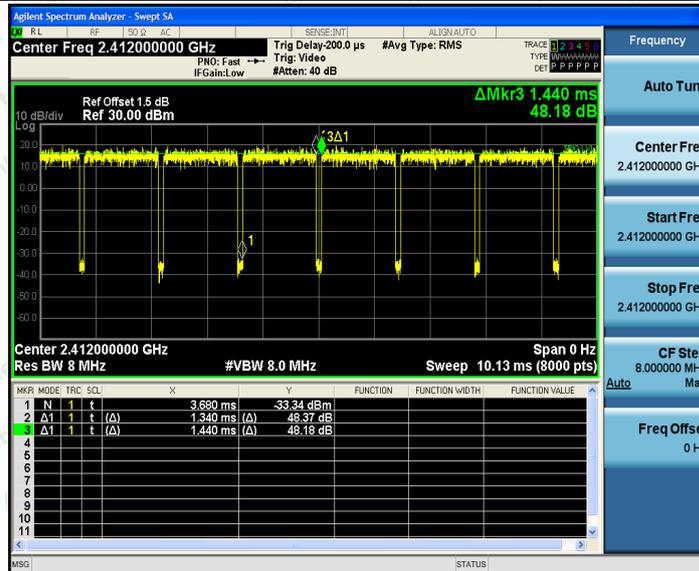
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### 11G\_Ant1\_2462



### 11N20\_Ant1\_2412



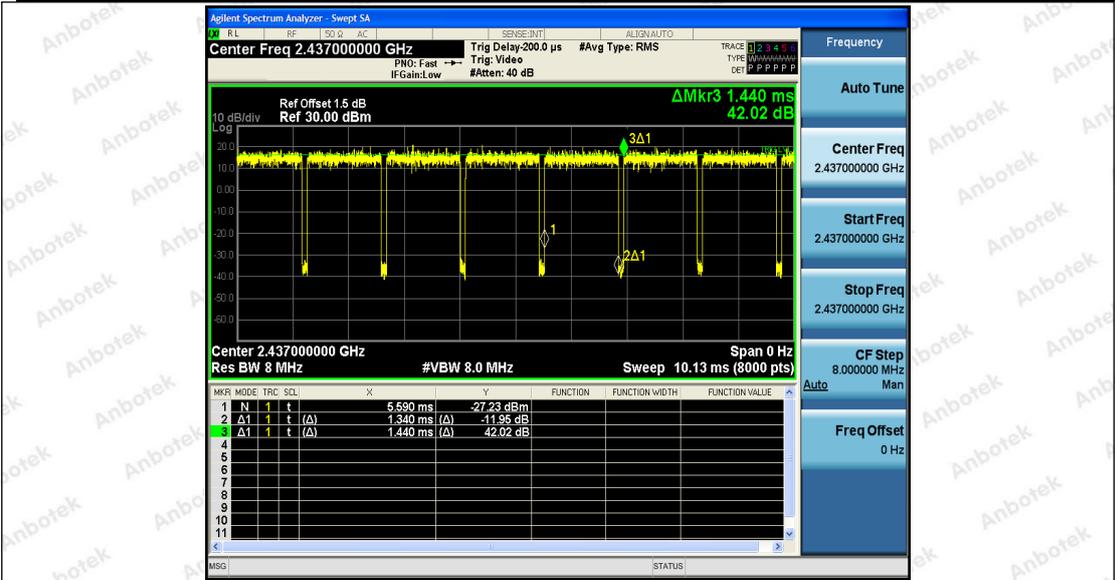
### 11N20\_Ant1\_2437

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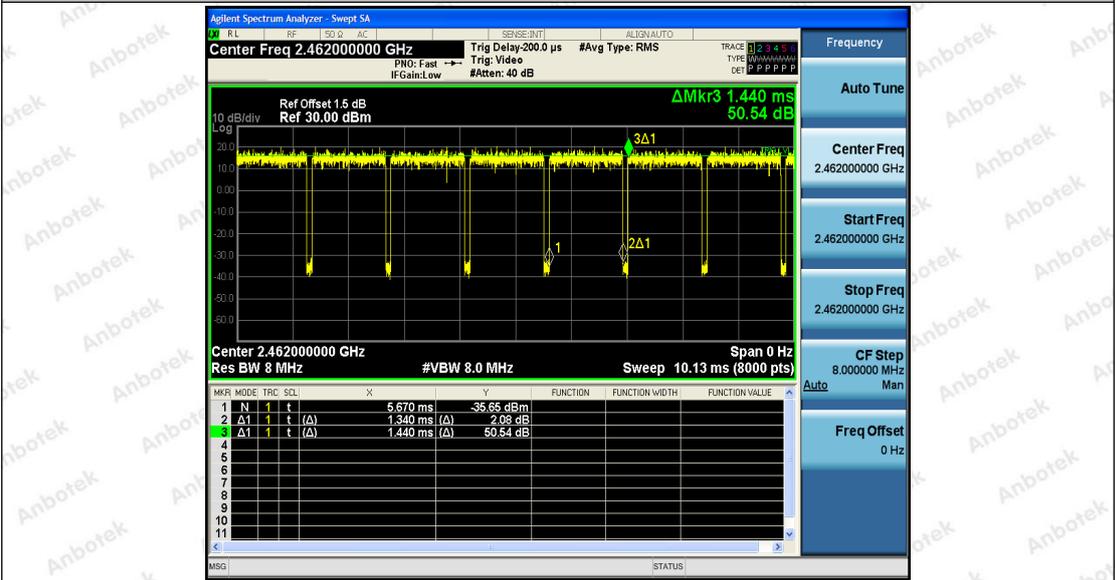
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