

## Appendix Test Data

Project No.:	18220WC10139601	Test Date:	2021.7.16
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	Relative Humidity:	56.3%
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	8.640	2407.920	2416.560	$\geq 0.5$	PASS
		2437	8.160	2432.920	2441.080	$\geq 0.5$	PASS
		2462	8.600	2457.440	2466.040	$\geq 0.5$	PASS
11G	Ant1	2412	16.480	2403.760	2420.240	$\geq 0.5$	PASS
		2437	16.440	2428.760	2445.200	$\geq 0.5$	PASS
		2462	16.440	2453.760	2470.200	$\geq 0.5$	PASS
11N20	Ant1	2412	17.640	2403.160	2420.800	$\geq 0.5$	PASS
		2437	17.640	2428.160	2445.800	$\geq 0.5$	PASS
		2462	17.640	2453.160	2470.800	$\geq 0.5$	PASS

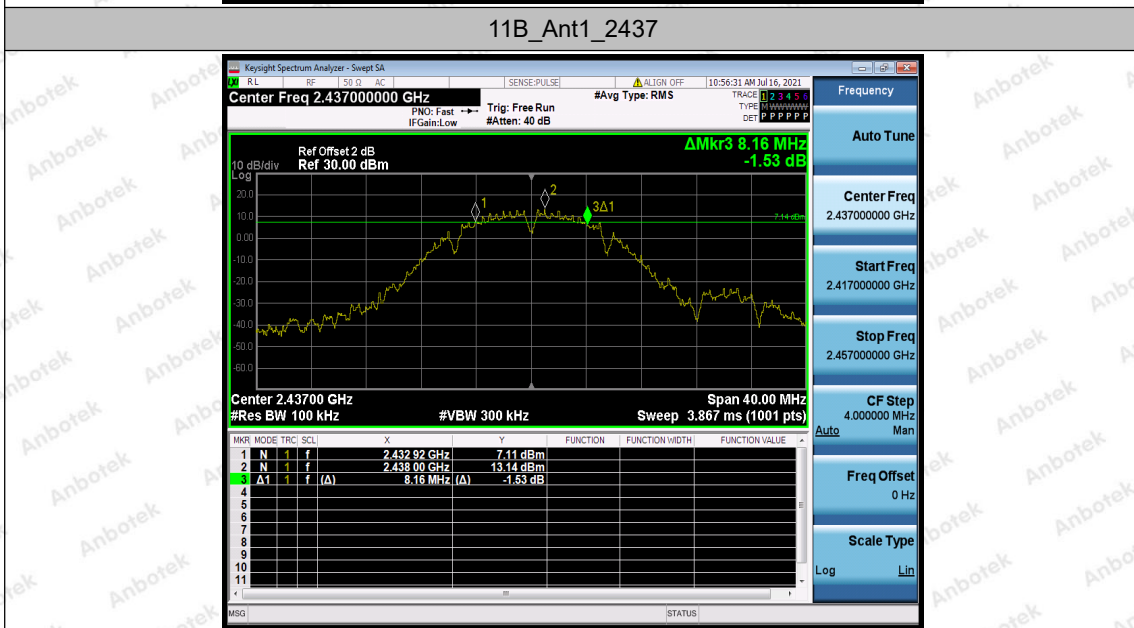
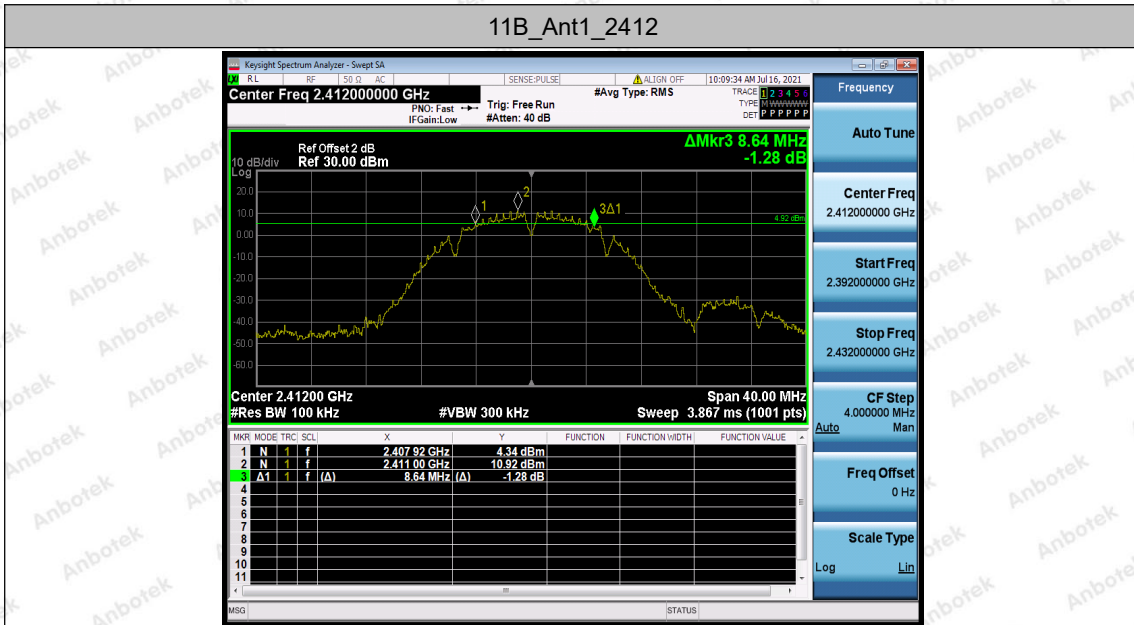
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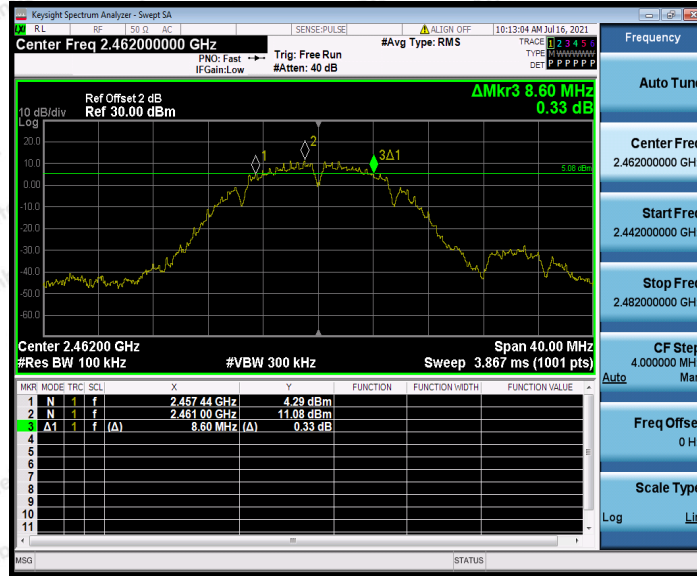
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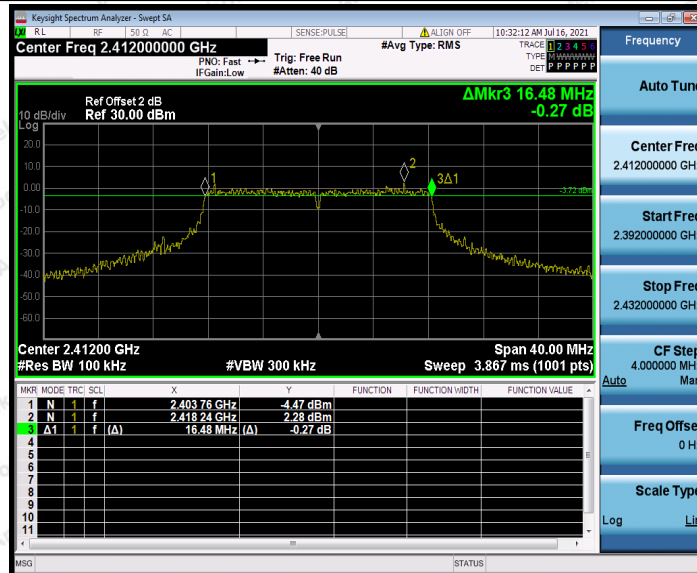
## Test Graphs



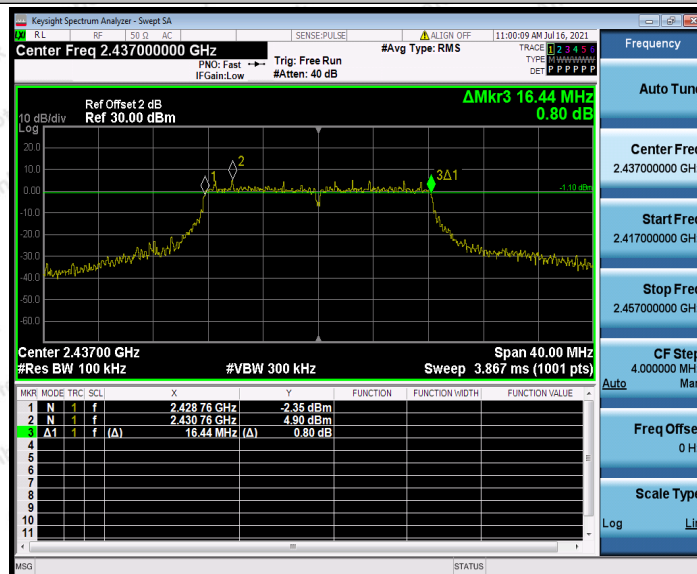
11B\_Ant1\_2462



11G\_Ant1\_2412



11G\_Ant1\_2437



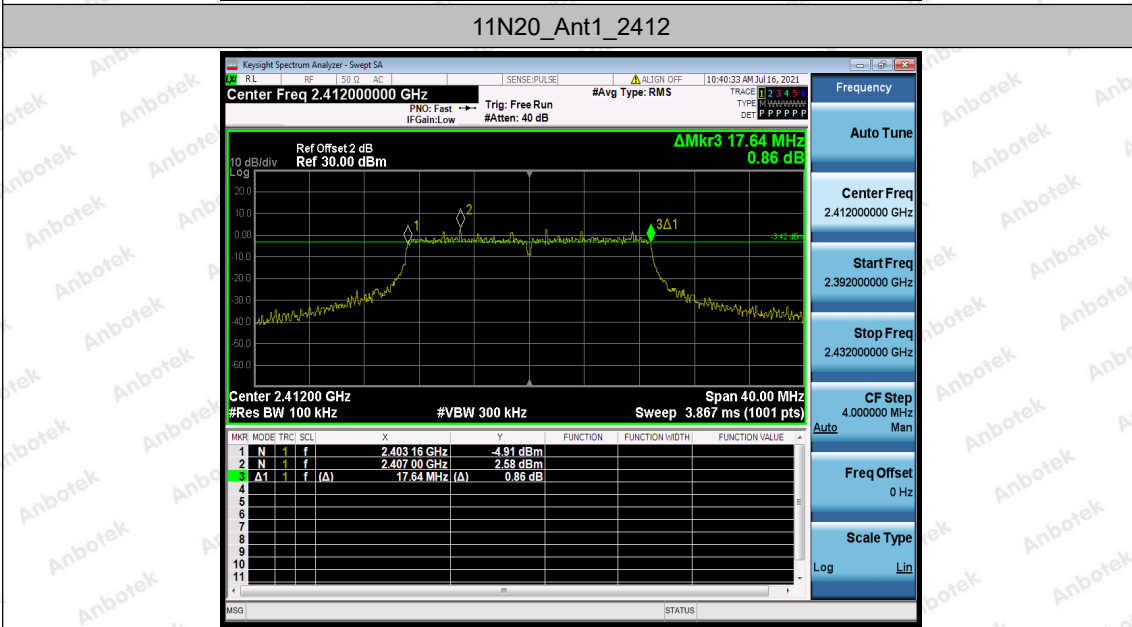
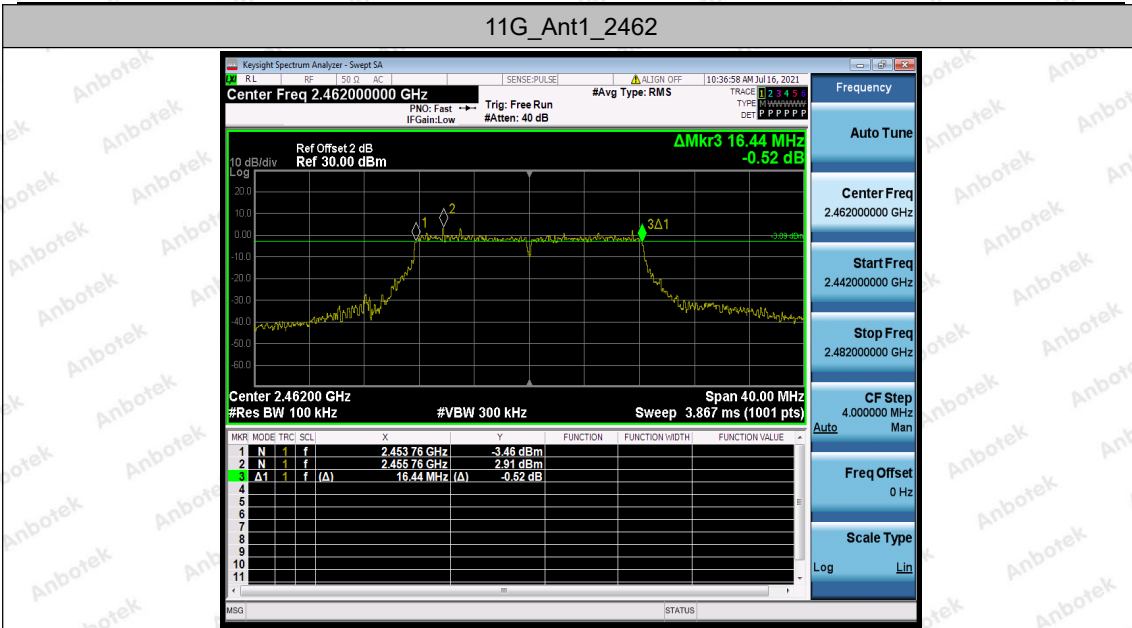
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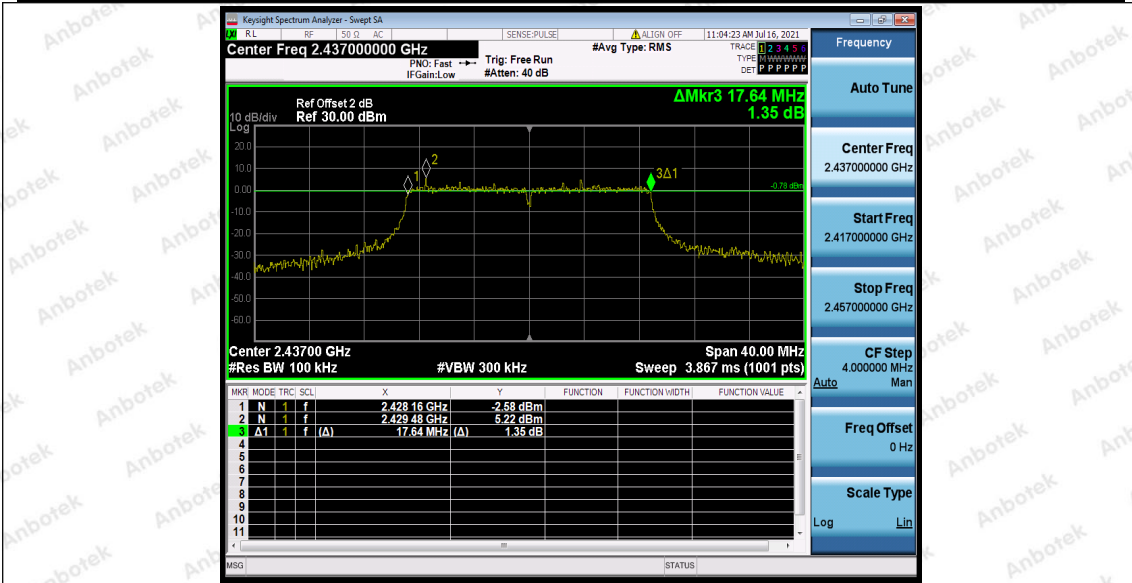
### 11N20\_Ant1\_2437

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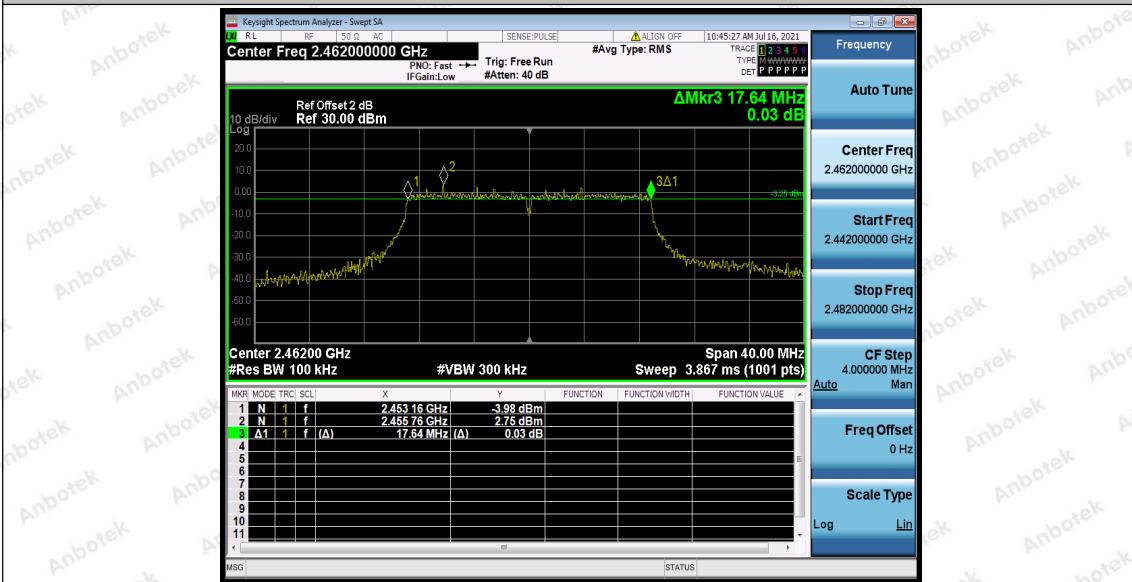
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## Appendix B: Occupied Channel Bandwidth

### Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.899	2405.577	2418.476	---	PASS
		2437	13.276	2430.353	2443.629	---	PASS
		2462	12.930	2455.519	2468.449	---	PASS
11G	Ant1	2412	17.112	2403.476	2420.588	---	PASS
		2437	17.152	2428.421	2445.573	---	PASS
		2462	17.069	2453.450	2470.519	---	PASS
11N20	Ant1	2412	18.254	2402.922	2421.176	---	PASS
		2437	18.175	2427.923	2446.098	---	PASS
		2462	18.113	2452.937	2471.050	---	PASS

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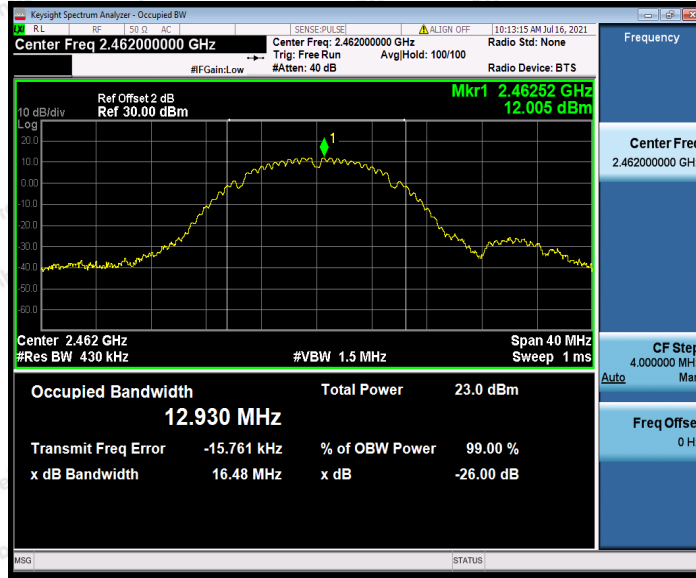
## Test Graphs



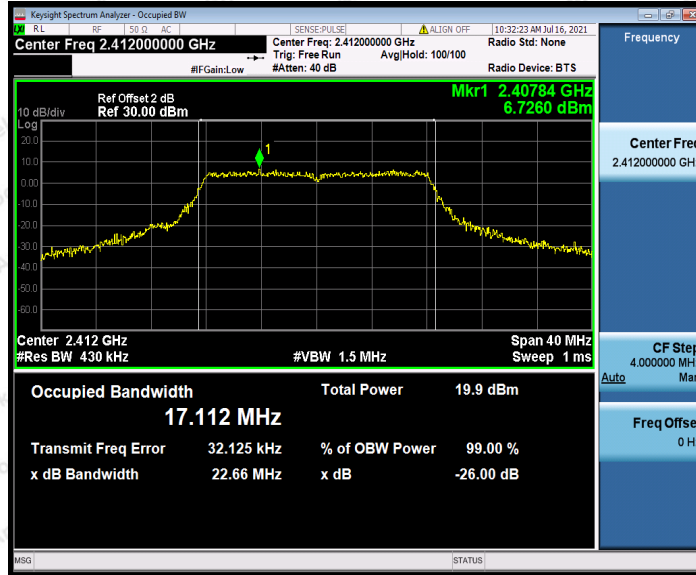
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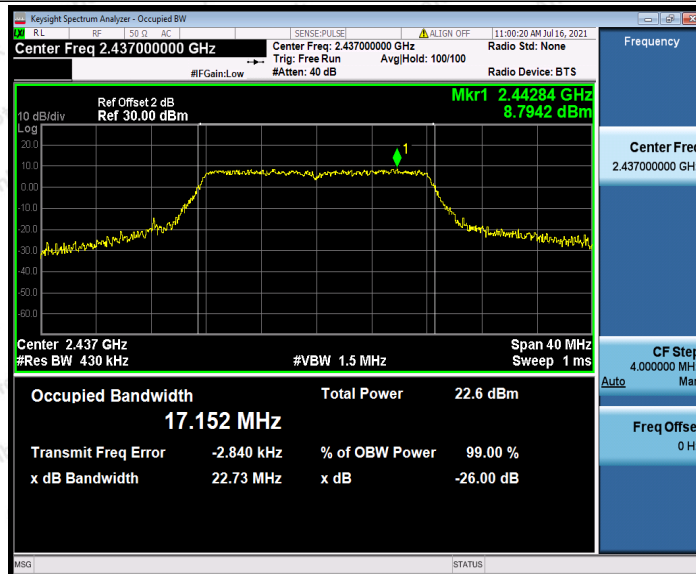
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11G\_Ant1\_2412



11G\_Ant1\_2437



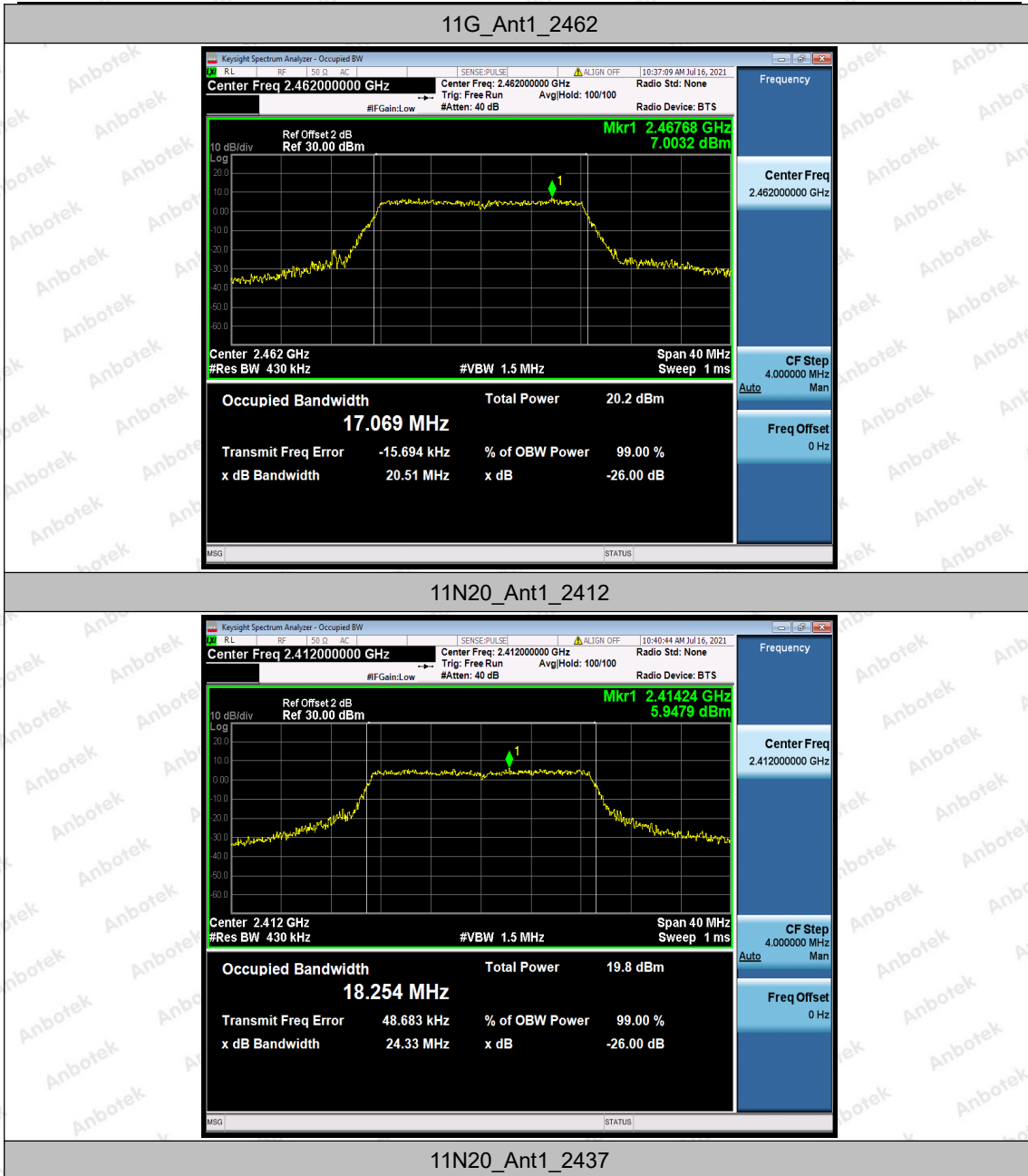
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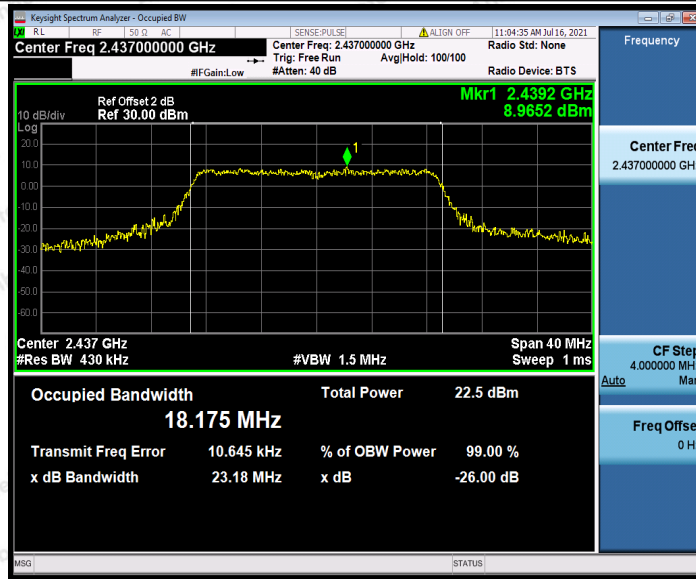




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## Appendix C: Maximum conducted output power

### Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	22.37	<=30	PASS
		2437	24.43	<=30	PASS
		2462	22.61	<=30	PASS
11G	Ant1	2412	20.88	<=30	PASS
		2437	23.50	<=30	PASS
		2462	21.23	<=30	PASS
11N20	Ant1	2412	20.85	<=30	PASS
		2437	23.51	<=30	PASS
		2462	21.20	<=30	PASS

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## Appendix D: Maximum power spectral density

### Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	2.99	-2.24	<=8	PASS
		2437	5.52	0.29	<=8	PASS
		2462	2.98	-2.25	<=8	PASS
11G	Ant1	2412	-5.96	-11.19	<=8	PASS
		2437	-3.56	-8.79	<=8	PASS
		2462	-5.89	-11.12	<=8	PASS
11N20	Ant1	2412	-6.56	-11.79	<=8	PASS
		2437	-3.92	-9.15	<=8	PASS
		2462	-6.31	-11.54	<=8	PASS

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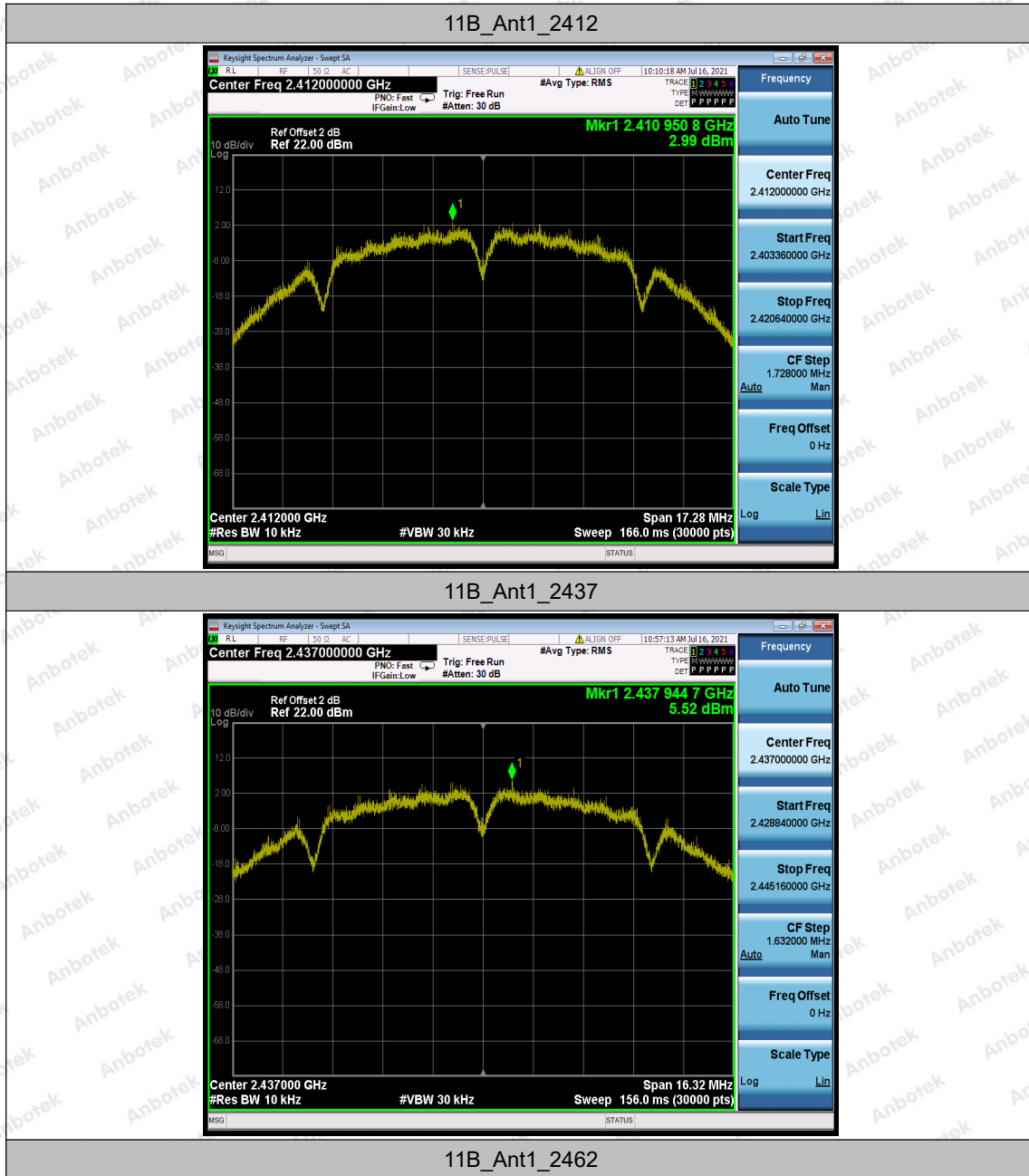


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## Test Graphs



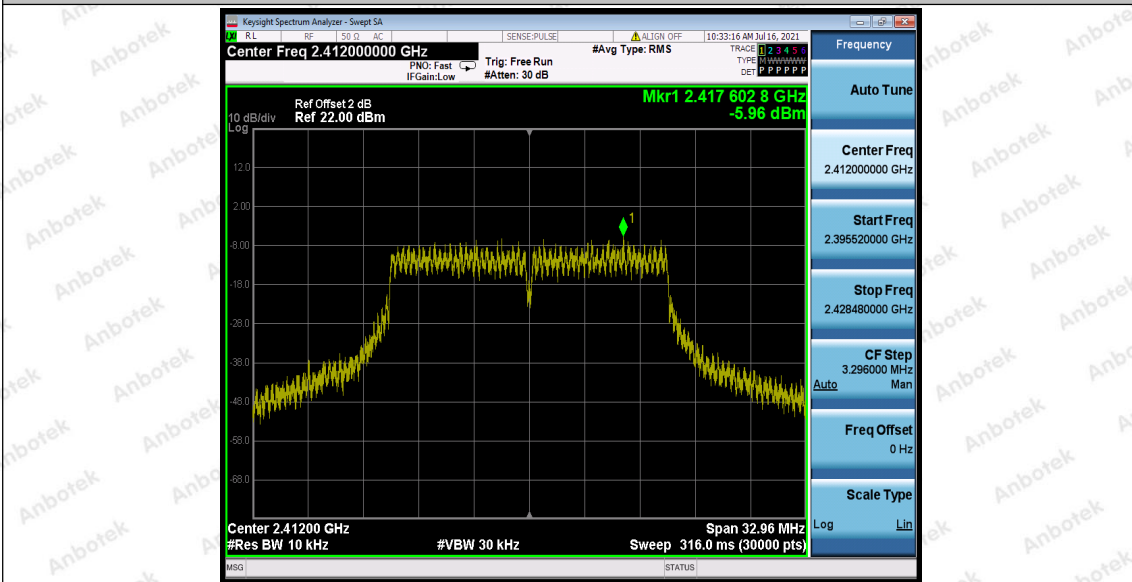
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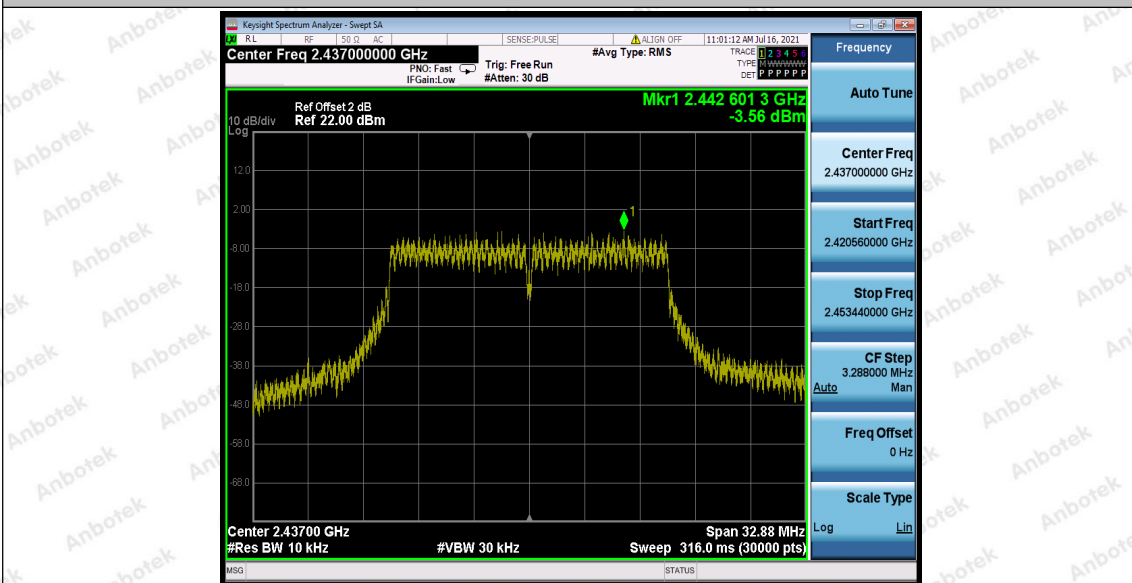
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11G\_Ant1\_2412



11G\_Ant1\_2437

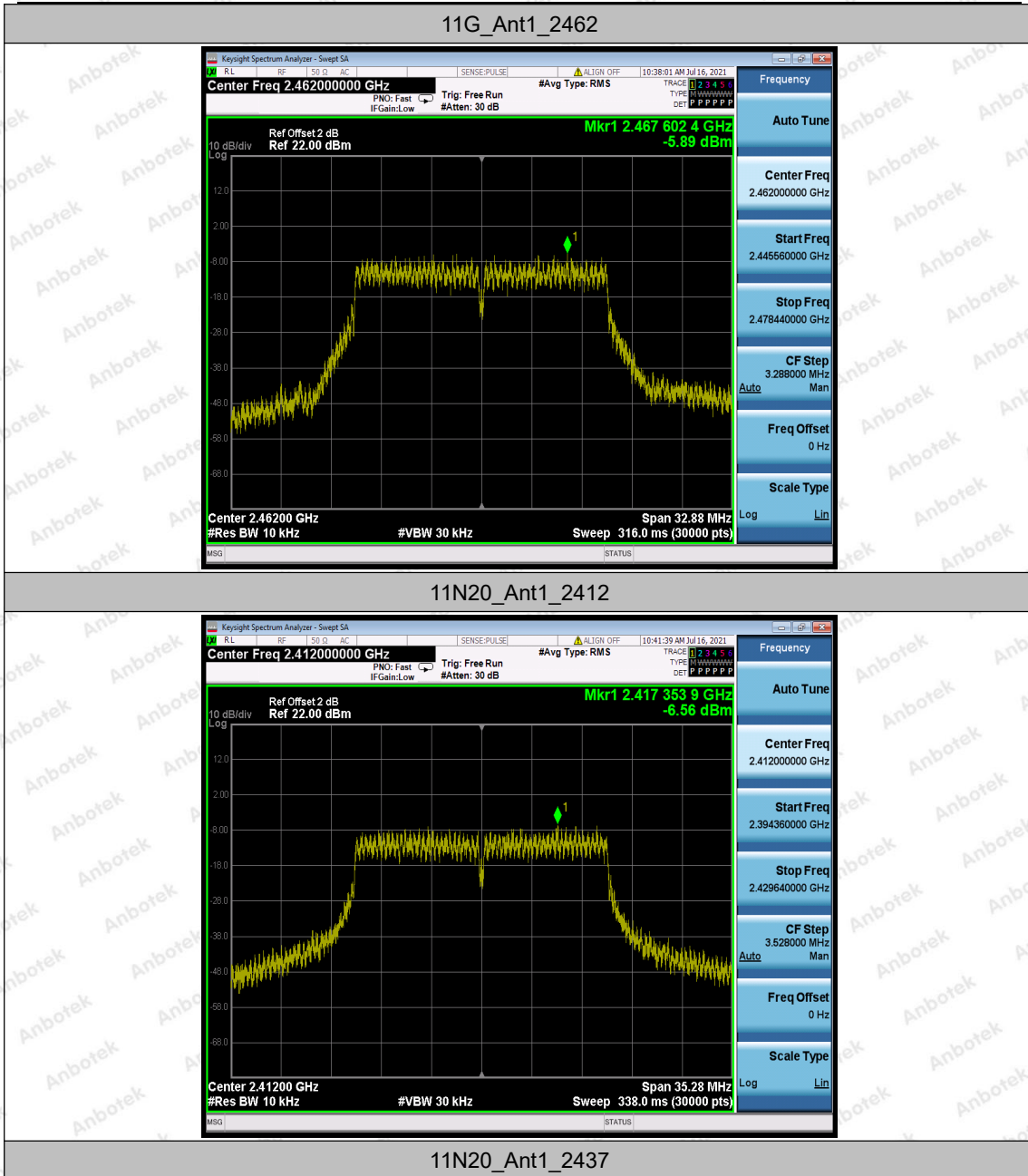


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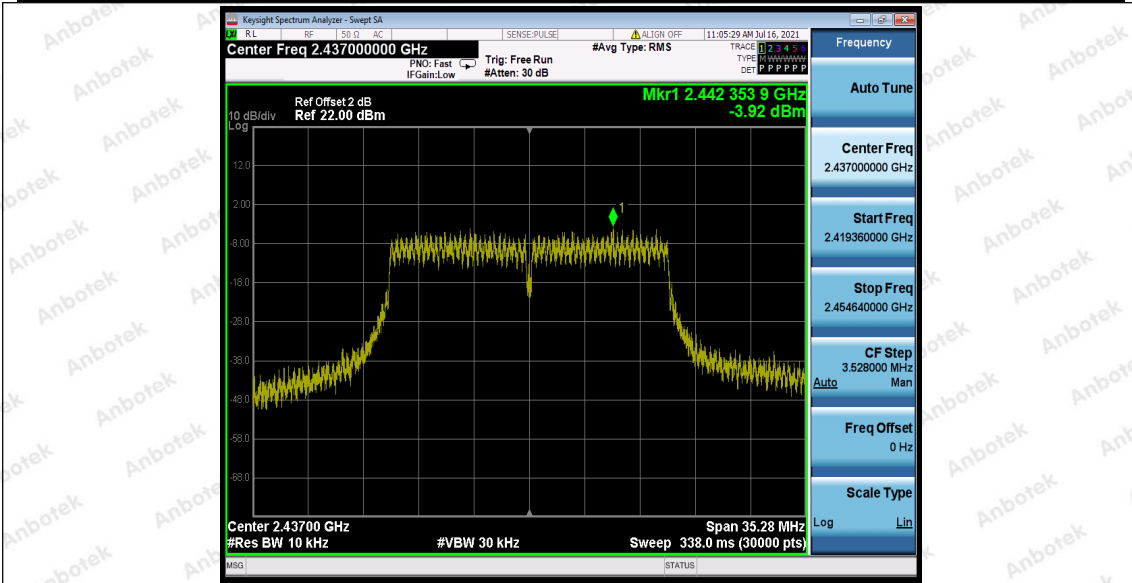




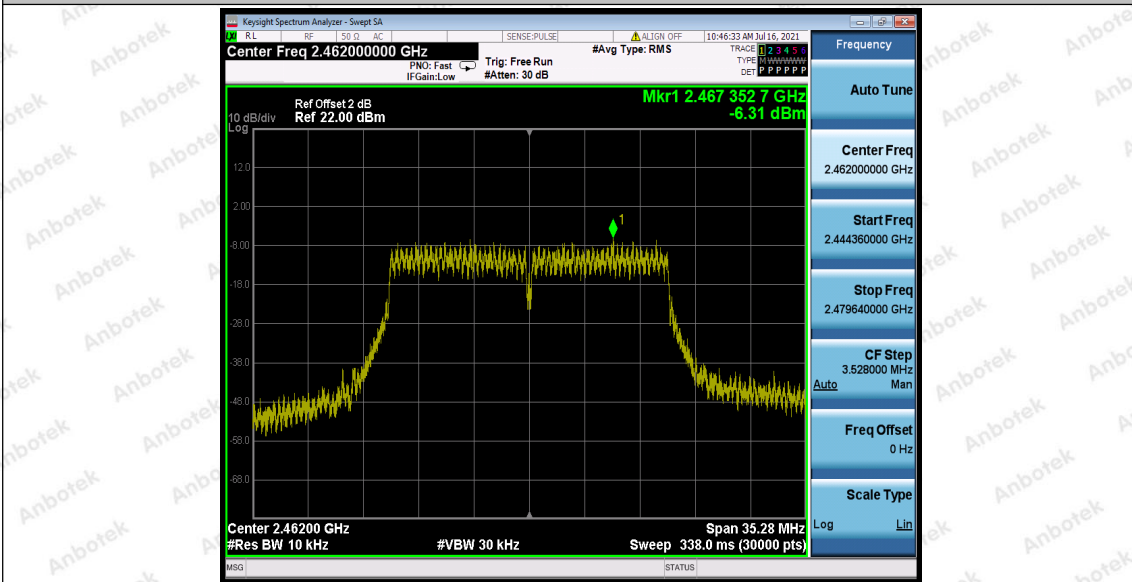
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## Appendix E: Band edge measurements

### Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	11.06	-39.28	<=-8.94	PASS
		High	2462	11.41	-41.63	<=-8.59	PASS
11G	Ant1	Low	2412	2.48	-26.33	<=-17.52	PASS
		High	2462	3.03	-40.75	<=-16.97	PASS
11N20	Ant1	Low	2412	2.62	-27.37	<=-17.38	PASS
		High	2462	3.03	-37.85	<=-16.97	PASS



## Test Graphs

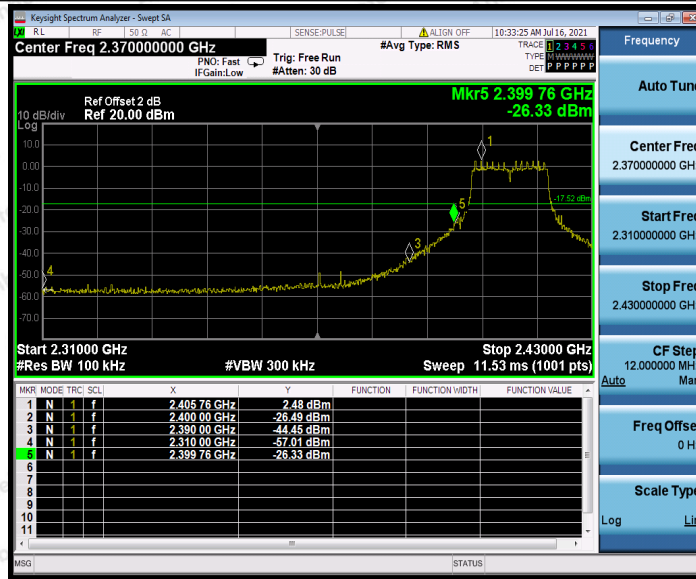


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11G\_Ant1\_High\_2462



11N20\_Ant1\_Low\_2412

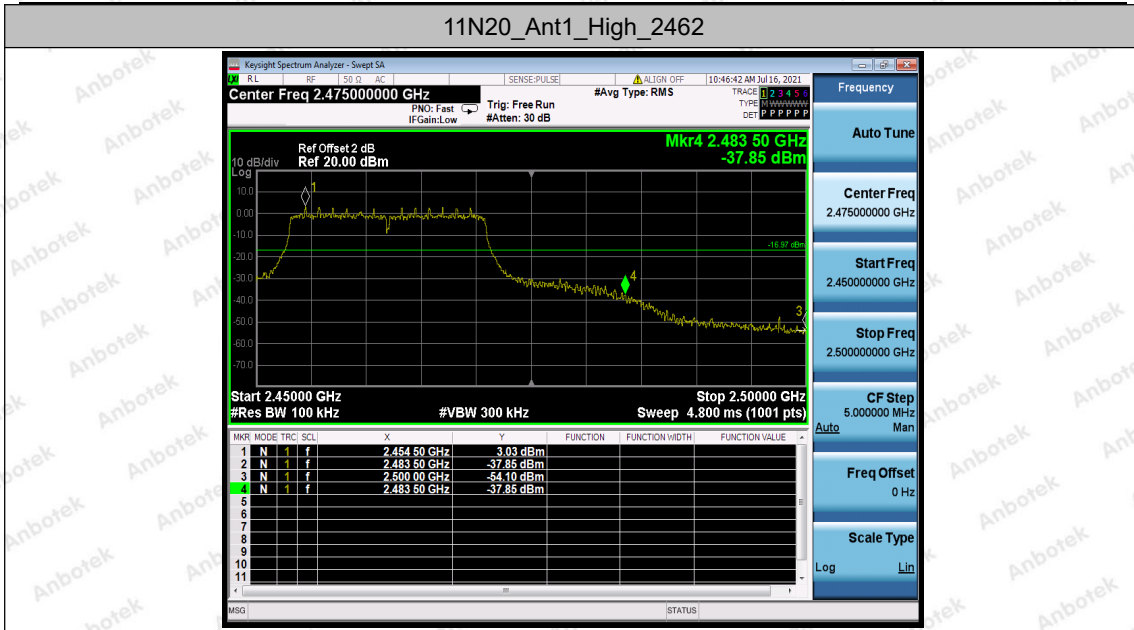


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## Appendix F: Conducted Spurious Emission


### Test Result

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	10.95	10.95	---	PASS
			30~1000	10.95	-67.32	<=-9.05	PASS
			1000~26500	10.95	-42.37	<=-9.05	PASS
		2437	Reference	13.40	13.40	---	PASS
			30~1000	13.40	-66.96	<=-6.6	PASS
			1000~26500	13.40	-42.63	<=-6.6	PASS
		2462	Reference	11.20	11.20	---	PASS
			30~1000	11.20	-67.25	<=-8.8	PASS
			1000~26500	11.20	-40.04	<=-8.8	PASS
11G	Ant1	2412	Reference	2.68	2.68	---	PASS
			30~1000	2.68	-67.84	<=-17.32	PASS
			1000~26500	2.68	-41.83	<=-17.32	PASS
		2437	Reference	5.28	5.28	---	PASS
			30~1000	5.28	-68.09	<=-14.72	PASS
			1000~26500	5.28	-40.92	<=-14.72	PASS
		2462	Reference	3.07	3.07	---	PASS
			30~1000	3.07	-67.96	<=-16.93	PASS
			1000~26500	3.07	-40.55	<=-16.93	PASS
11N20	Ant1	2412	Reference	2.53	2.53	---	PASS
			30~1000	2.53	-67.67	<=-17.47	PASS
			1000~26500	2.53	-41.84	<=-17.47	PASS
		2437	Reference	5.39	5.39	---	PASS
			30~1000	5.39	-68.67	<=-14.61	PASS
			1000~26500	5.39	-41.27	<=-14.61	PASS
		2462	Reference	2.98	2.98	---	PASS
			30~1000	2.98	-67.08	<=-17.02	PASS
			1000~26500	2.98	-40.73	<=-17.02	PASS

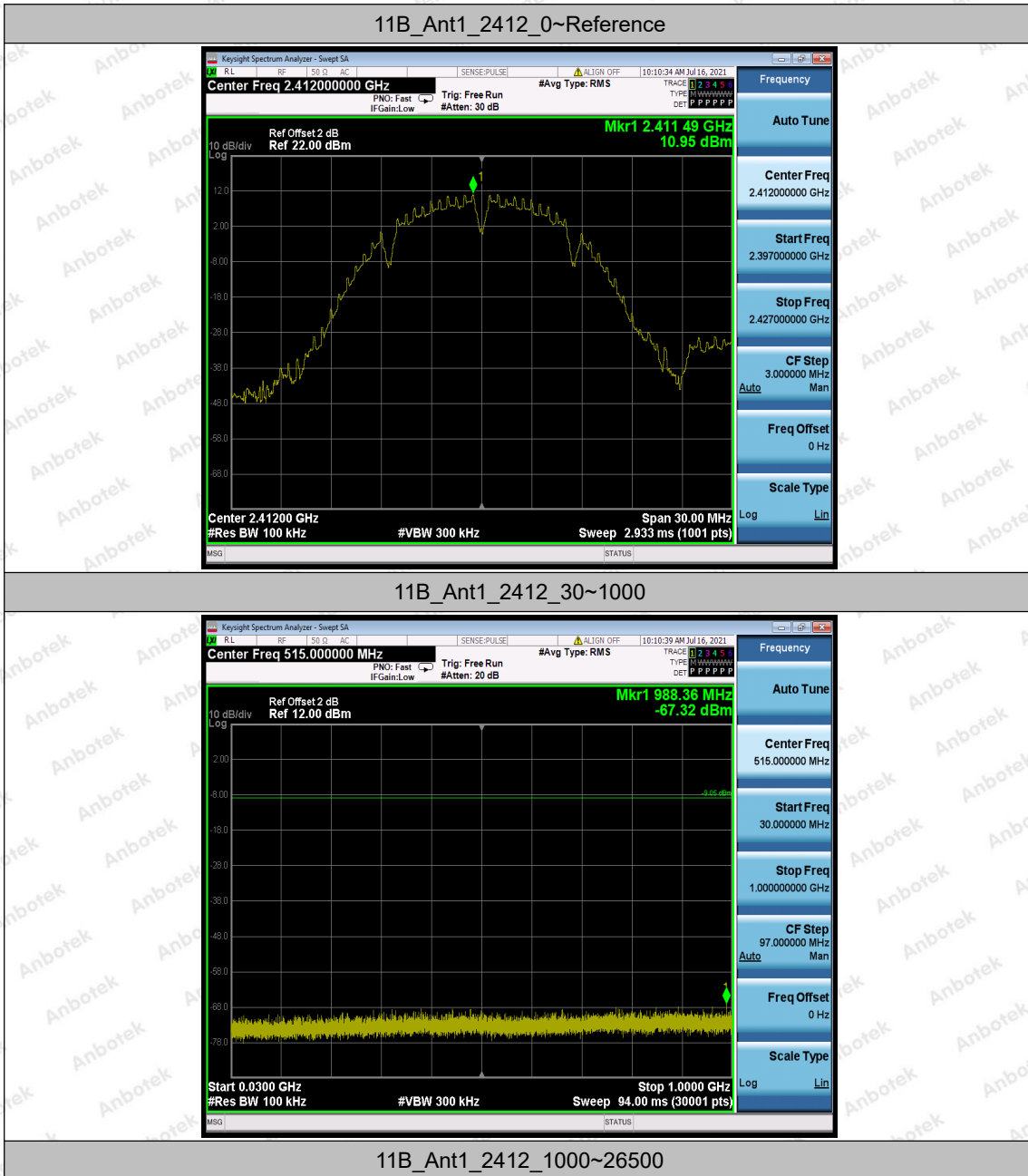
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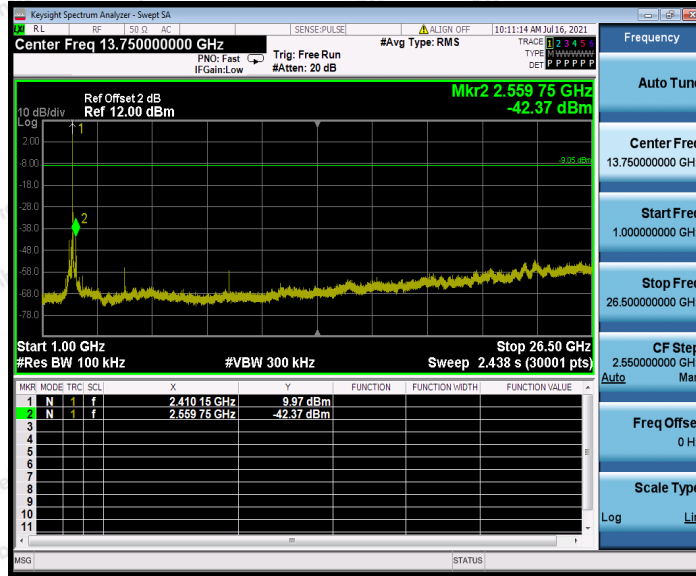
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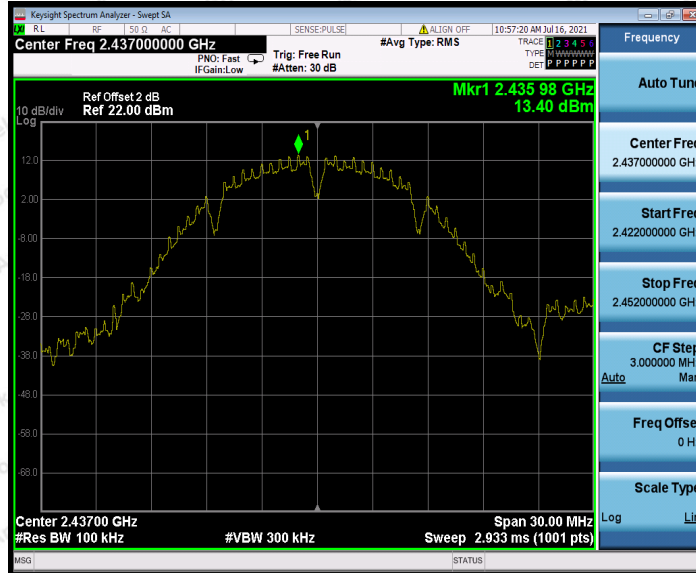
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## Test Graphs

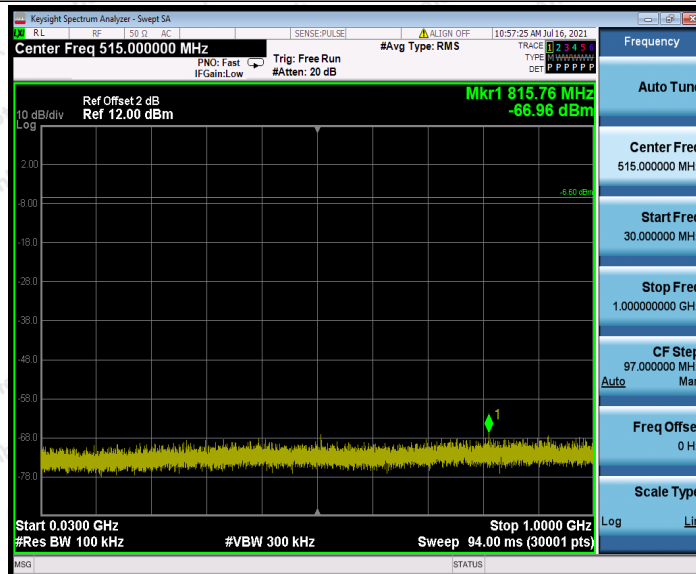




11B\_Ant1\_2437\_0~Reference



11B\_Ant1\_2437\_30~1000



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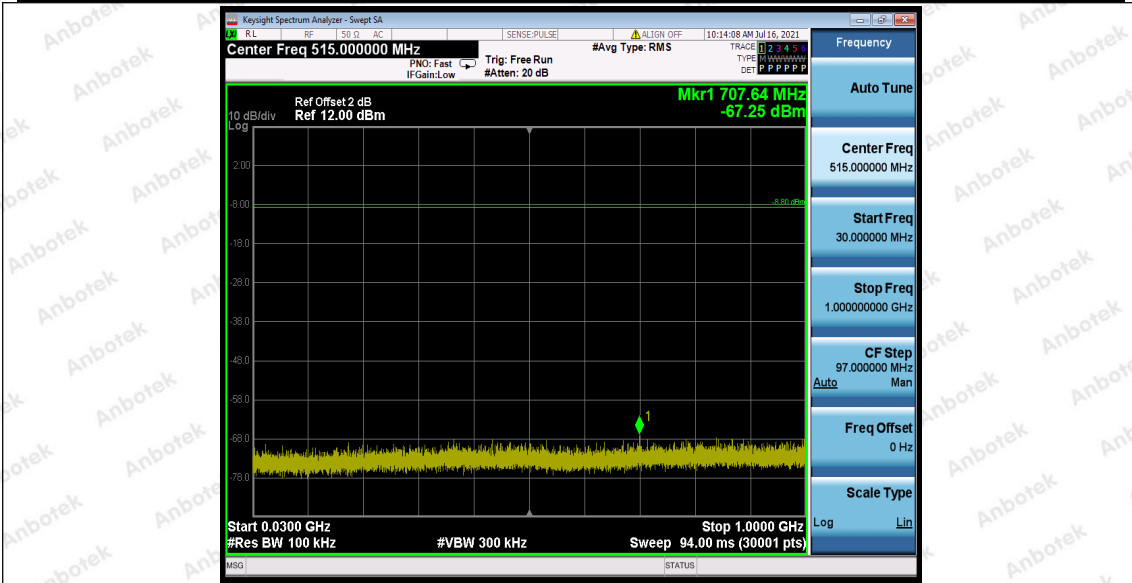




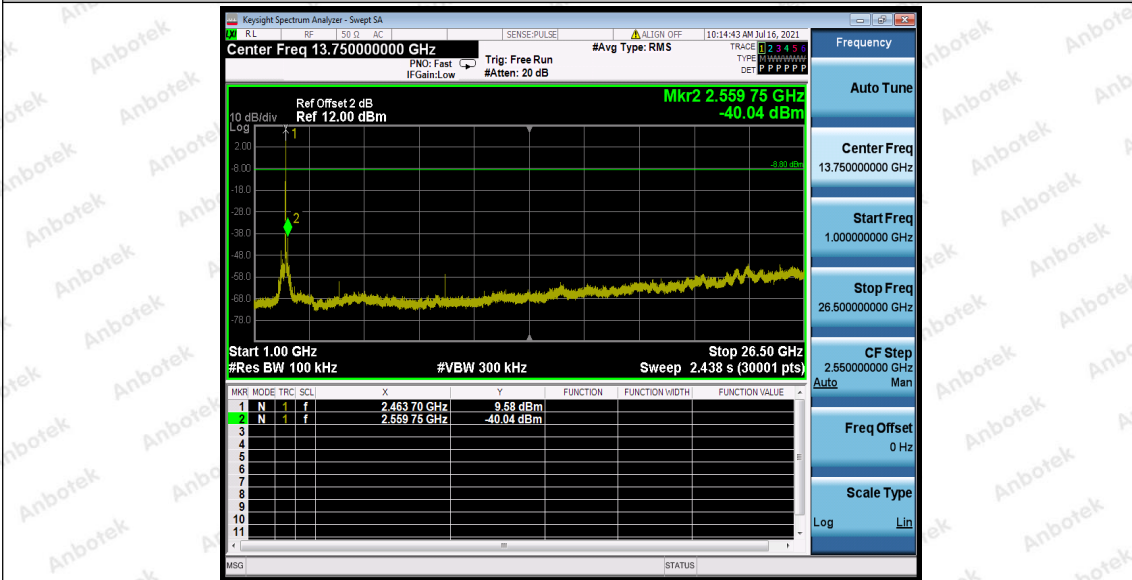
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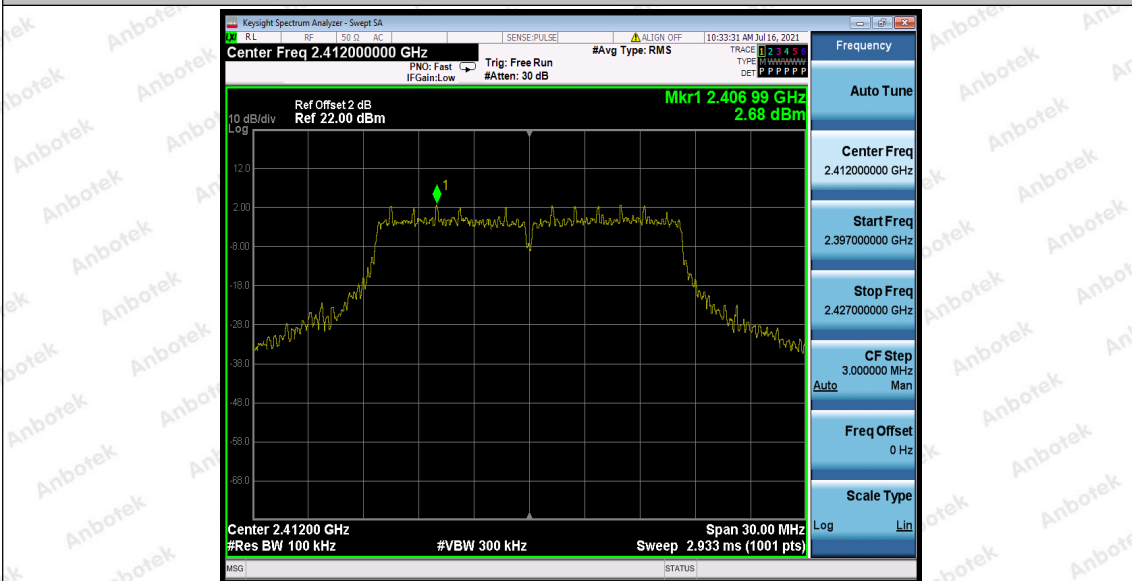
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11B\_Ant1\_2462\_1000~26500



11G\_Ant1\_2412\_0~Reference



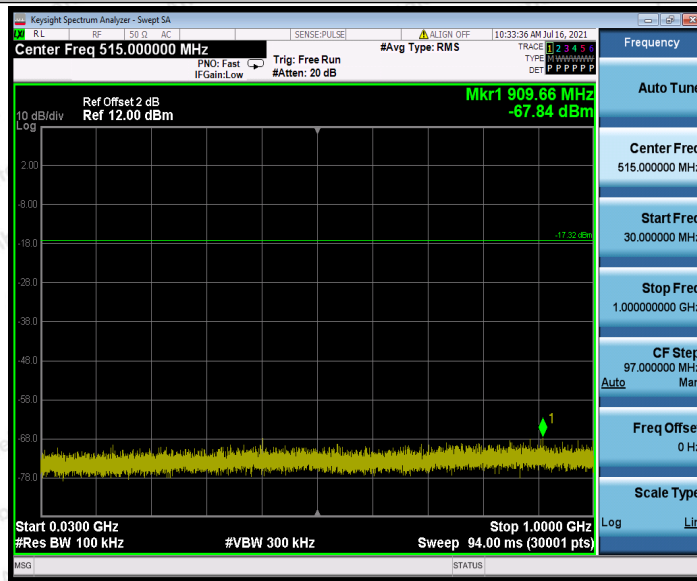
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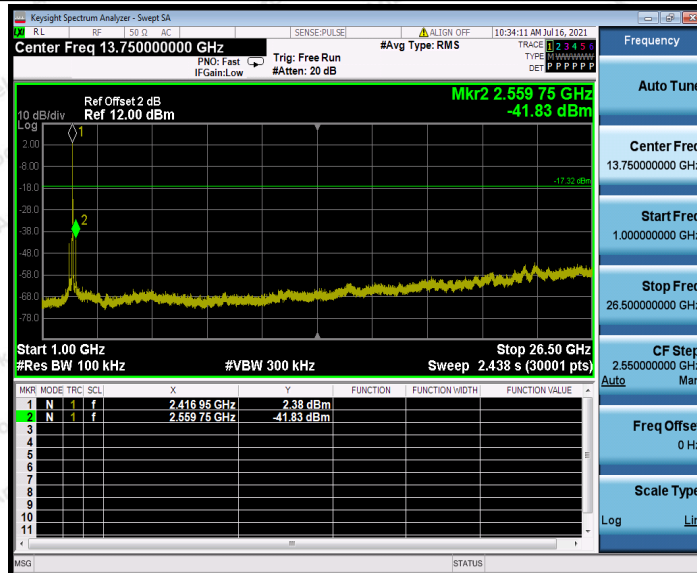
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### 11G\_Ant1\_2412\_30~1000



### 11G\_Ant1\_2412\_1000~26500



### 11G\_Ant1\_2437\_0~Reference

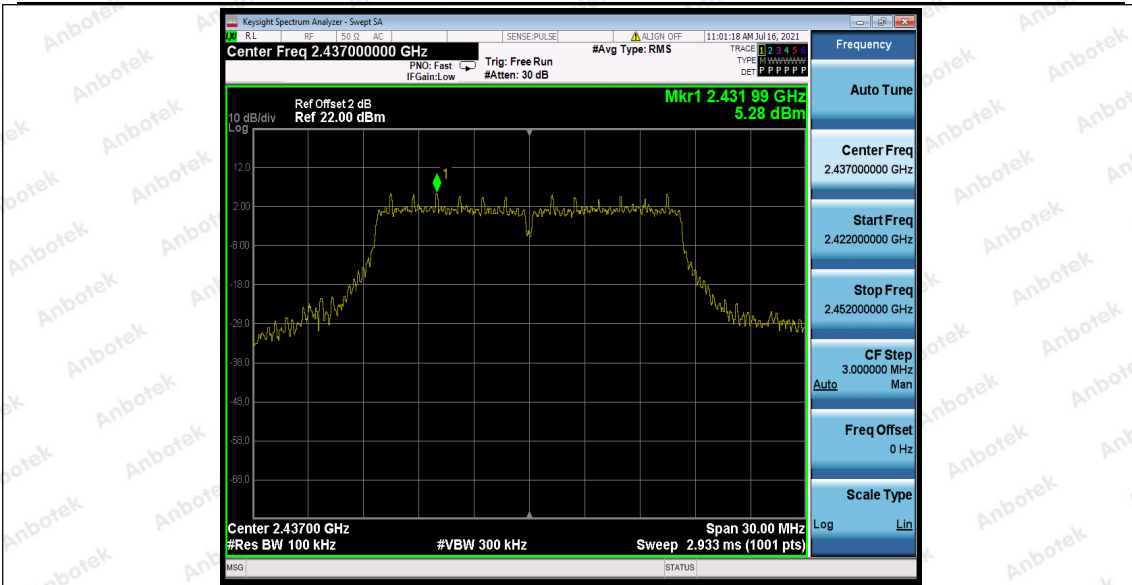
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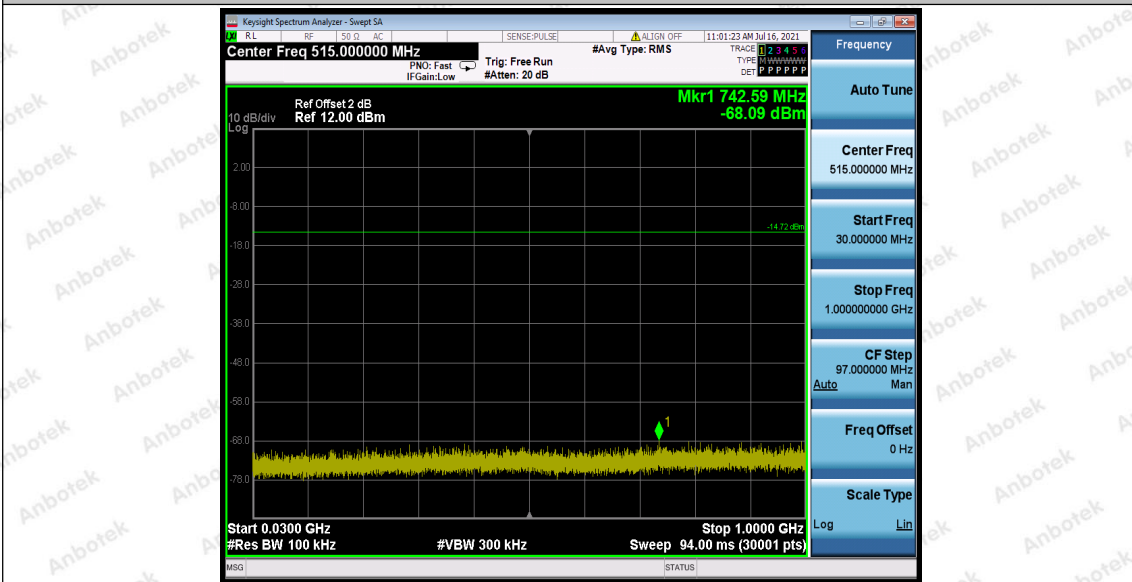
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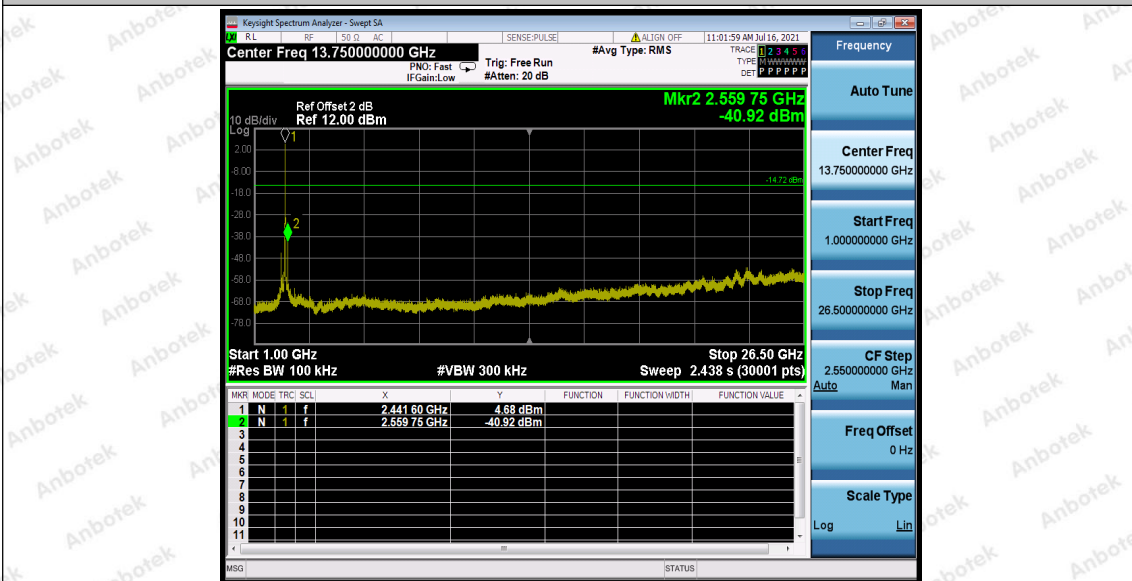




11G\_Ant1\_2437\_30~1000



11G\_Ant1\_2437\_1000~26500

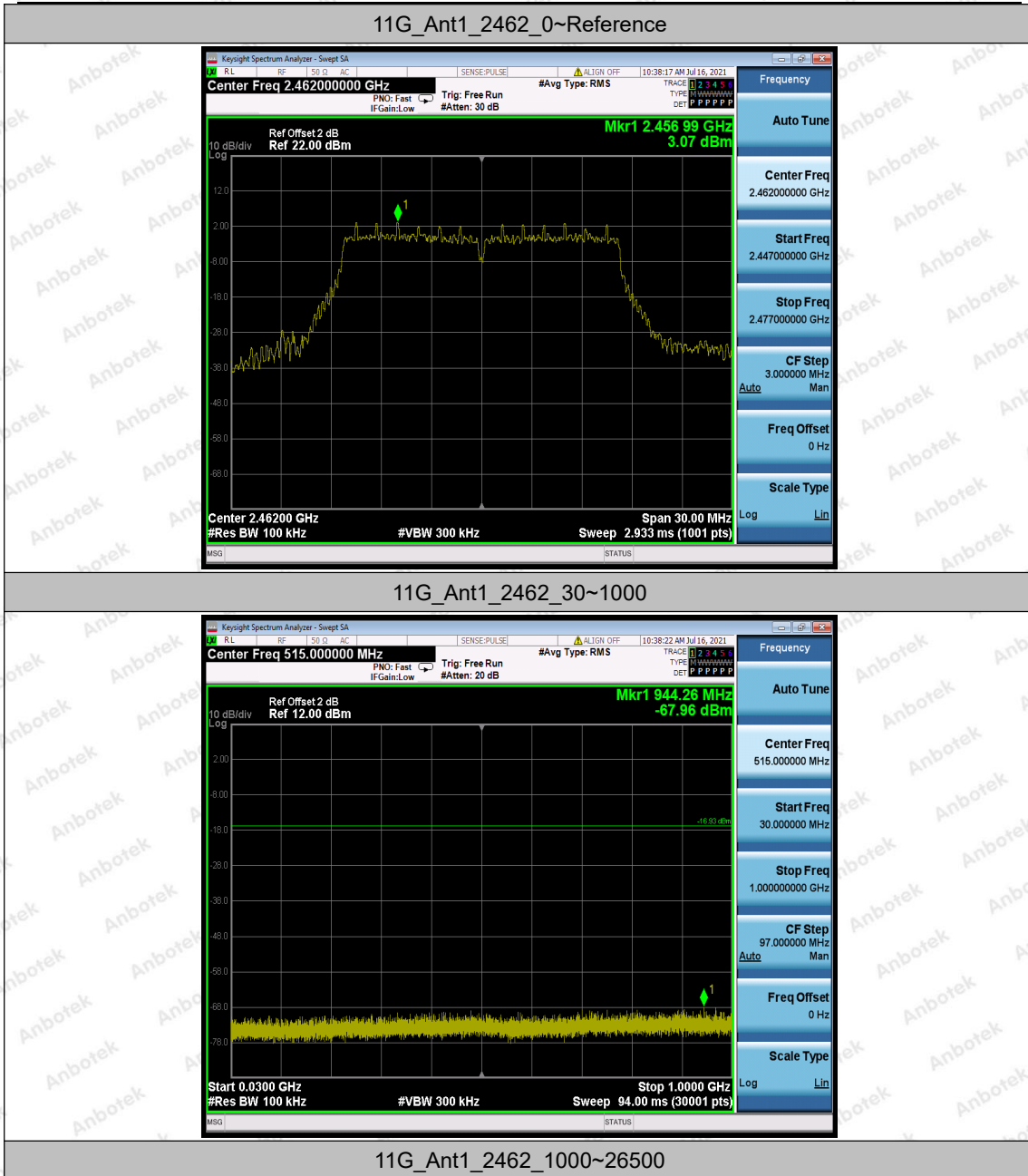


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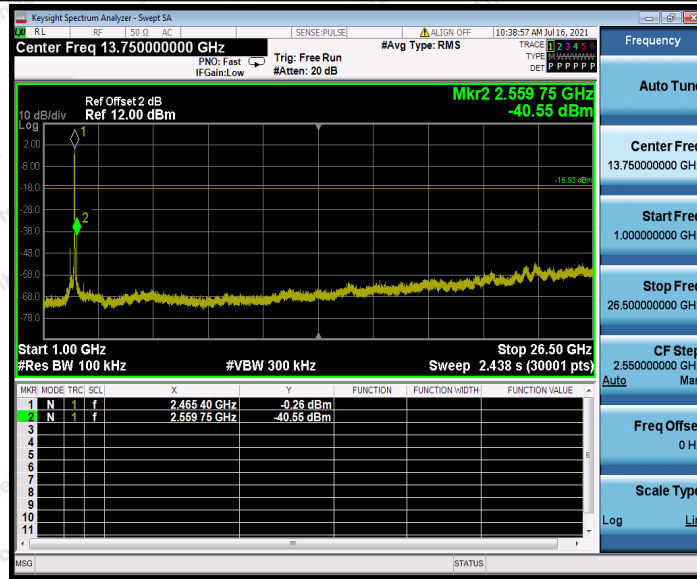
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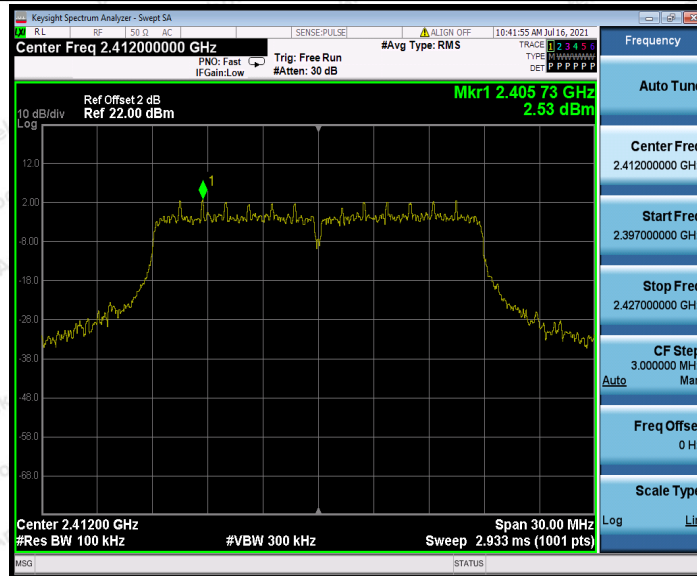
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 Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

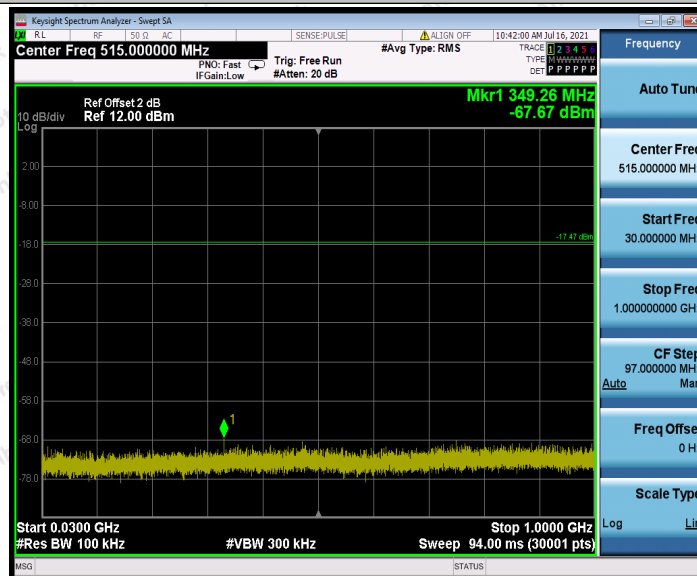
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11N20\_Ant1\_2412\_0~Reference



11N20\_Ant1\_2412\_30~1000



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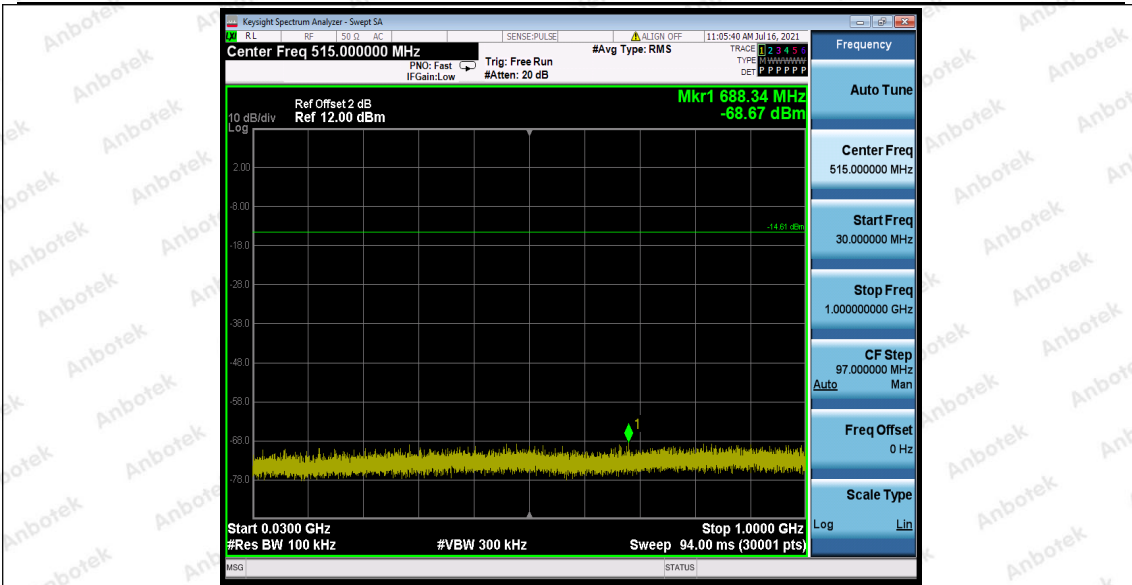




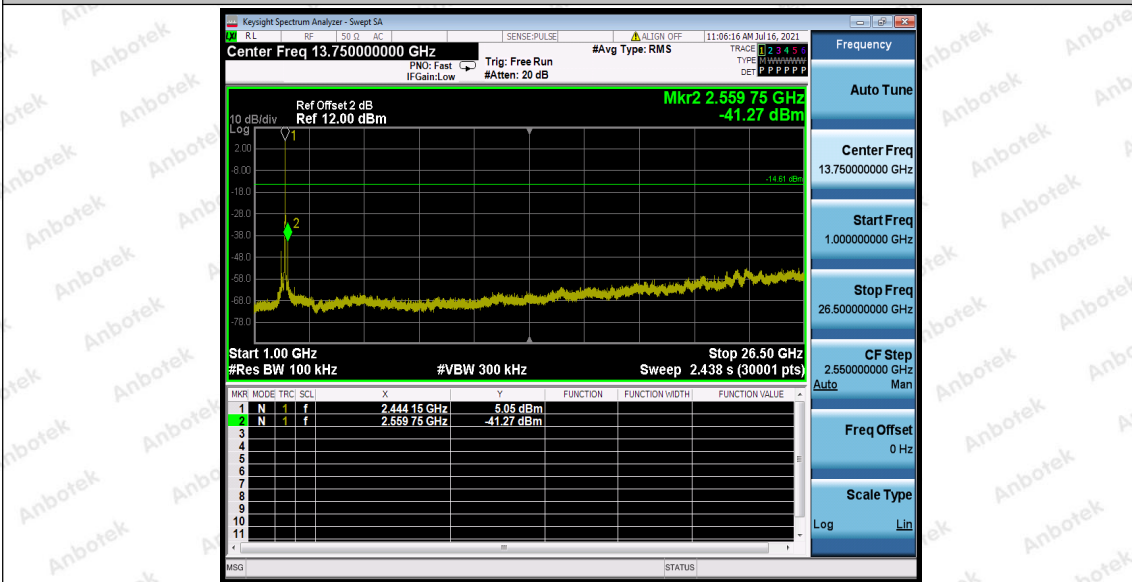
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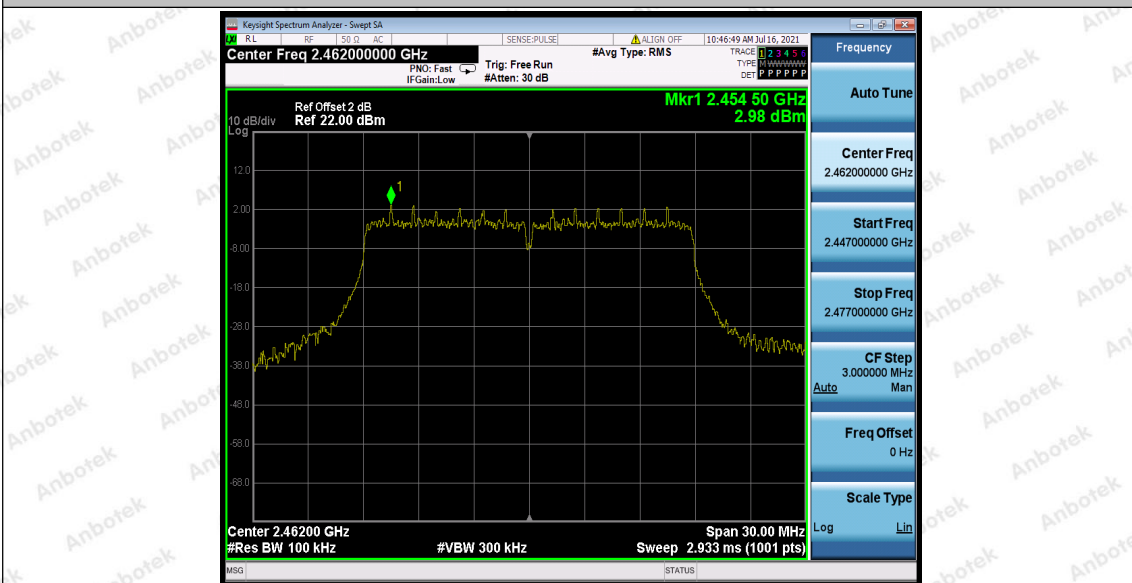
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11N20\_Ant1\_2437\_1000~26500



11N20\_Ant1\_2462\_0~Reference

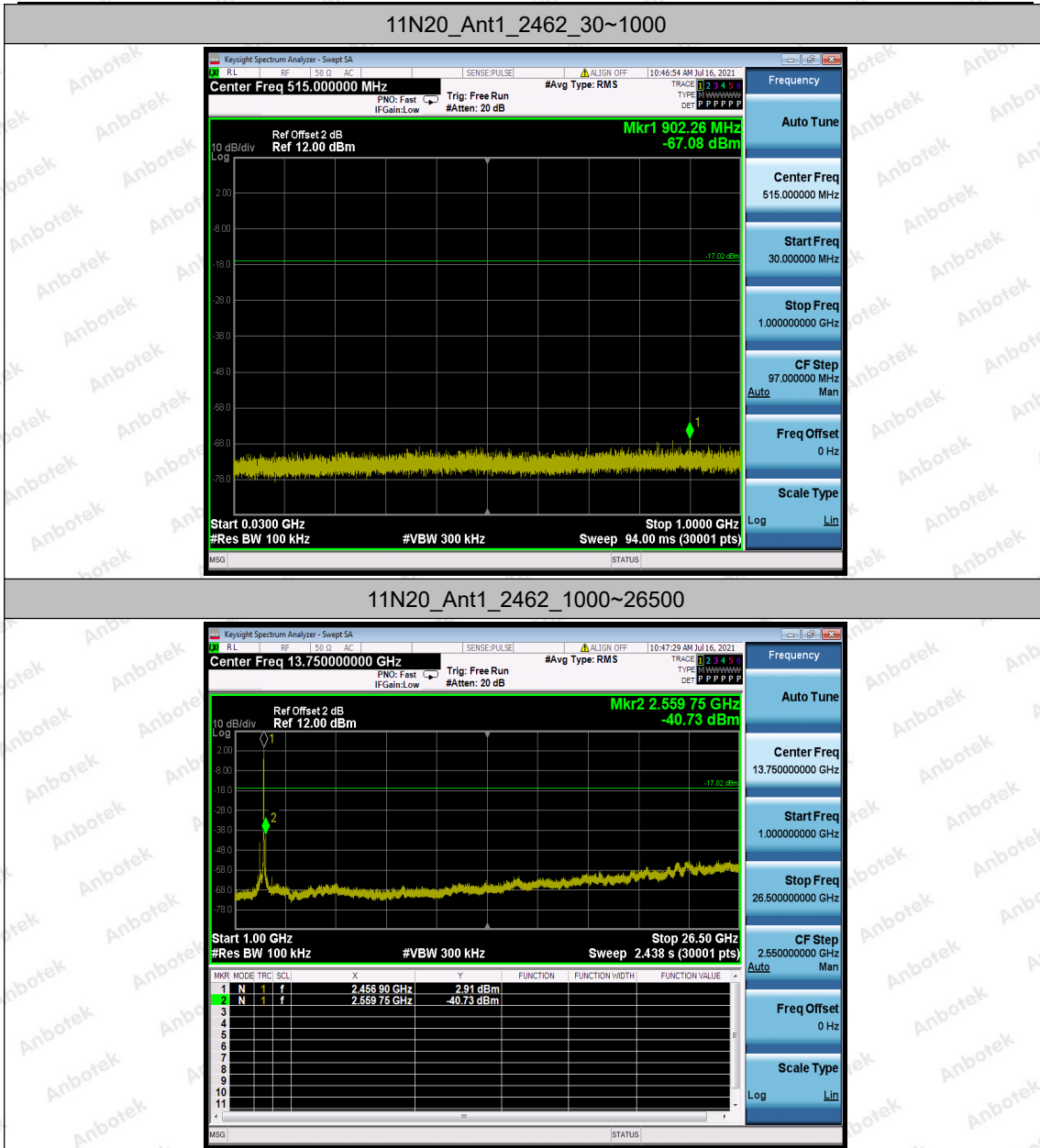


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## Appendix G: Duty Cycle

### Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	8.38	8.65	96.88	---	PASS
		2437	8.38	8.65	96.88	---	PASS
		2462	8.38	8.65	96.88	---	PASS
11G	Ant1	2412	1.39	1.66	83.73	---	PASS
		2437	1.39	1.66	83.73	---	PASS
		2462	1.39	1.66	83.73	---	PASS
11N20	Ant1	2412	1.30	1.57	82.80	---	PASS
		2437	1.30	1.57	82.80	---	PASS
		2462	1.30	1.57	82.80	---	PASS

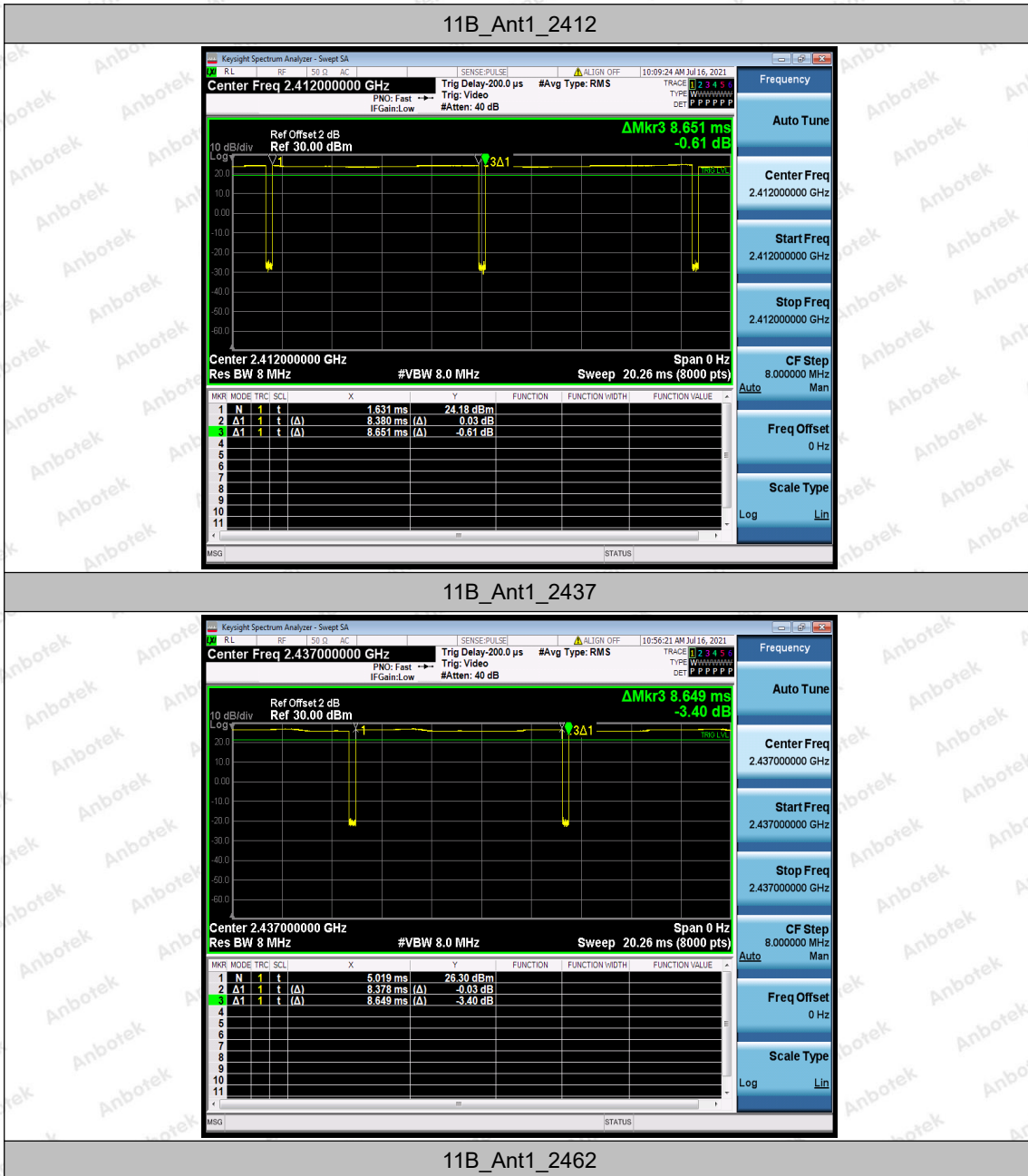
### Shenzhen Anbotek Compliance Laboratory Limited

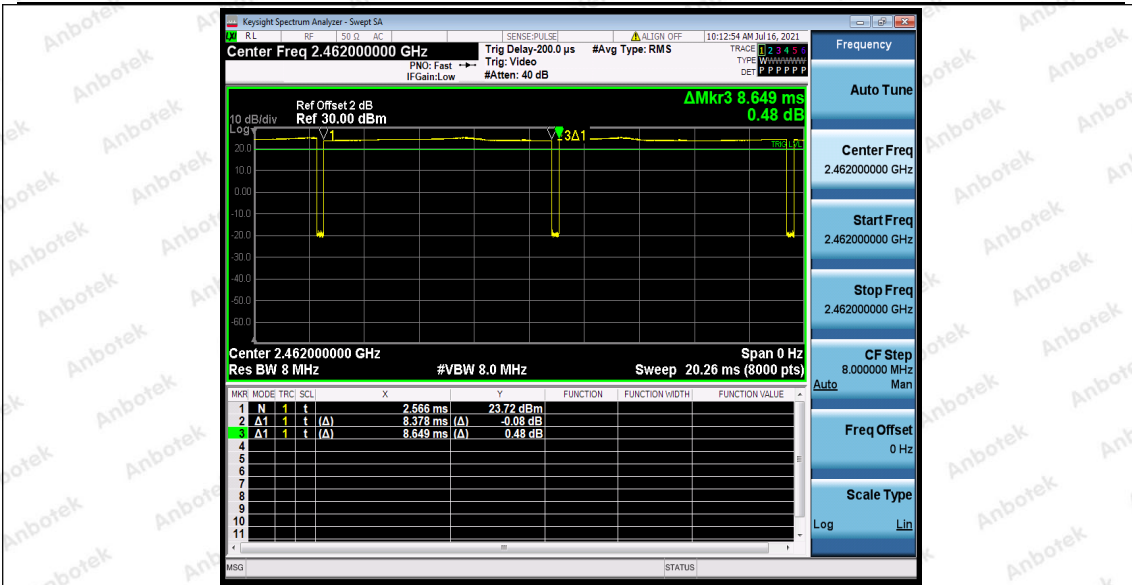
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

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

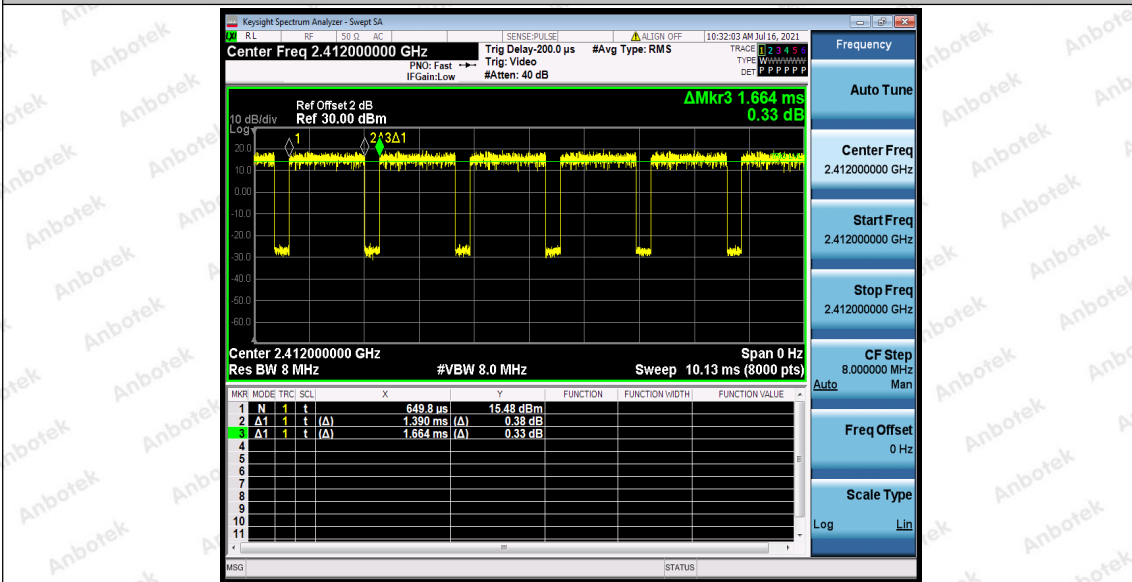
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## Test Graphs

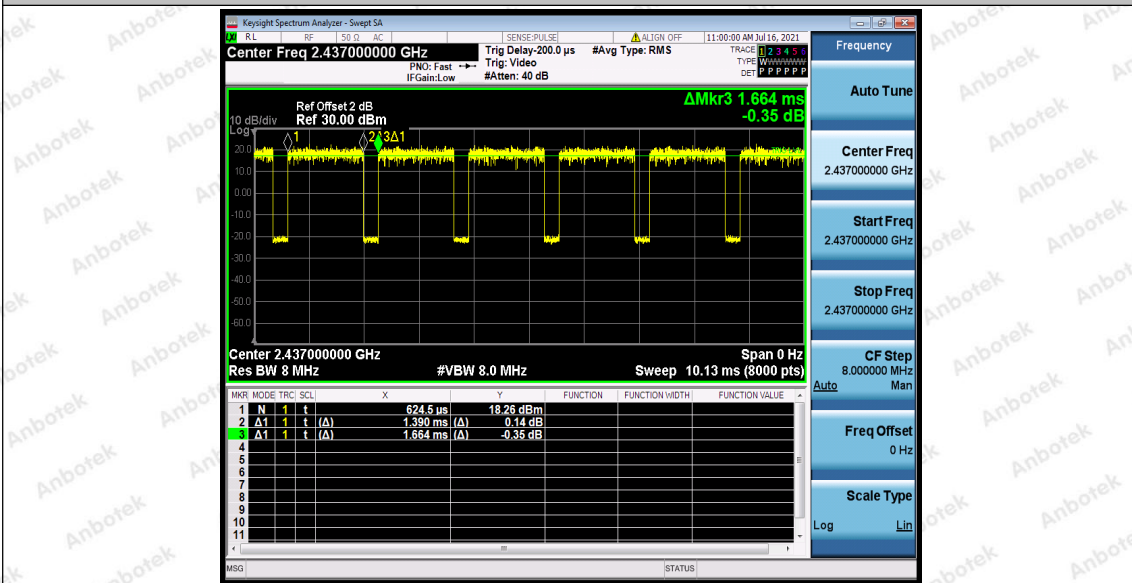

**11B\_Ant1\_2437**
**11B\_Ant1\_2462**



11G\_Ant1\_2412



11G\_Ant1\_2437



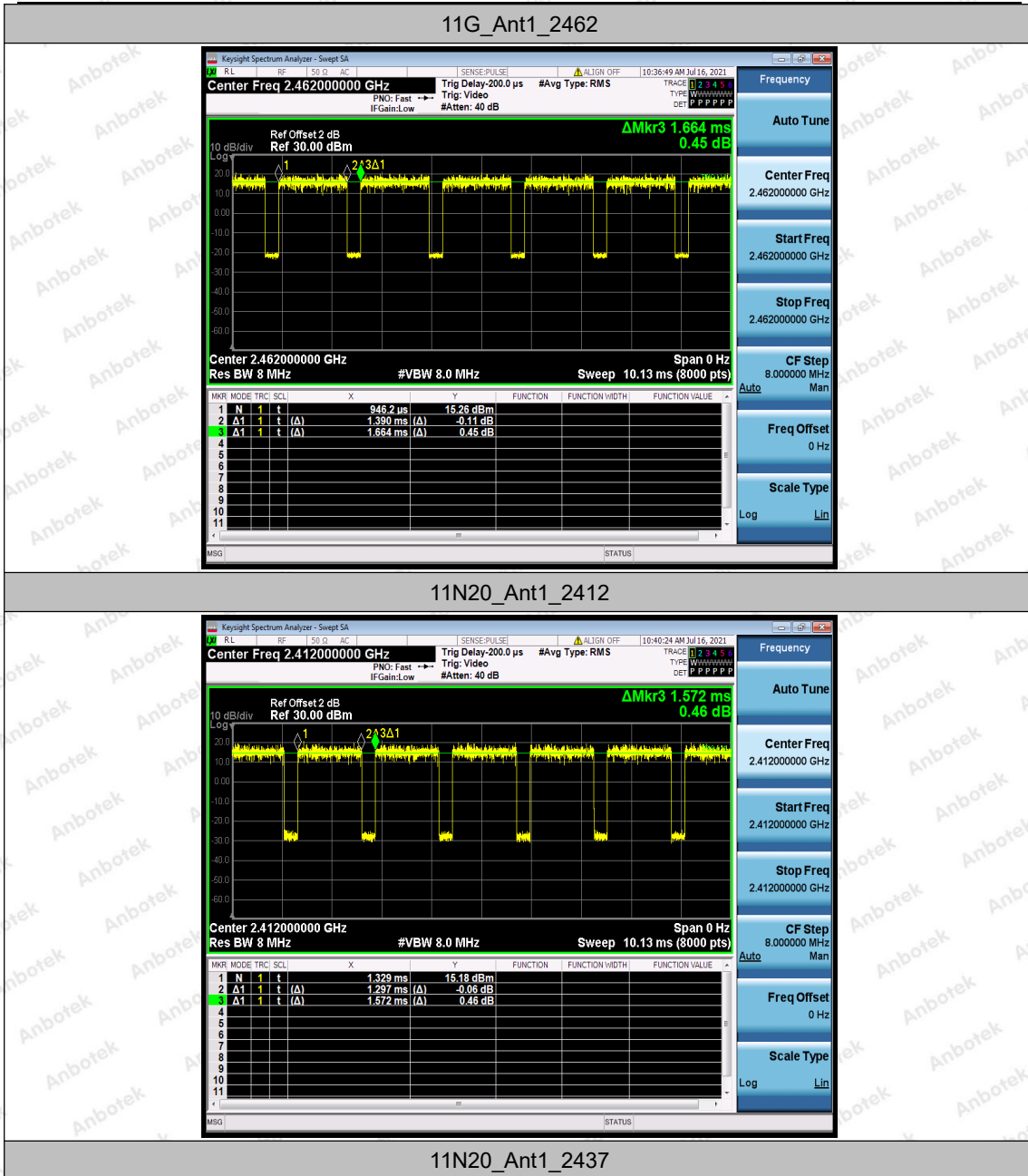
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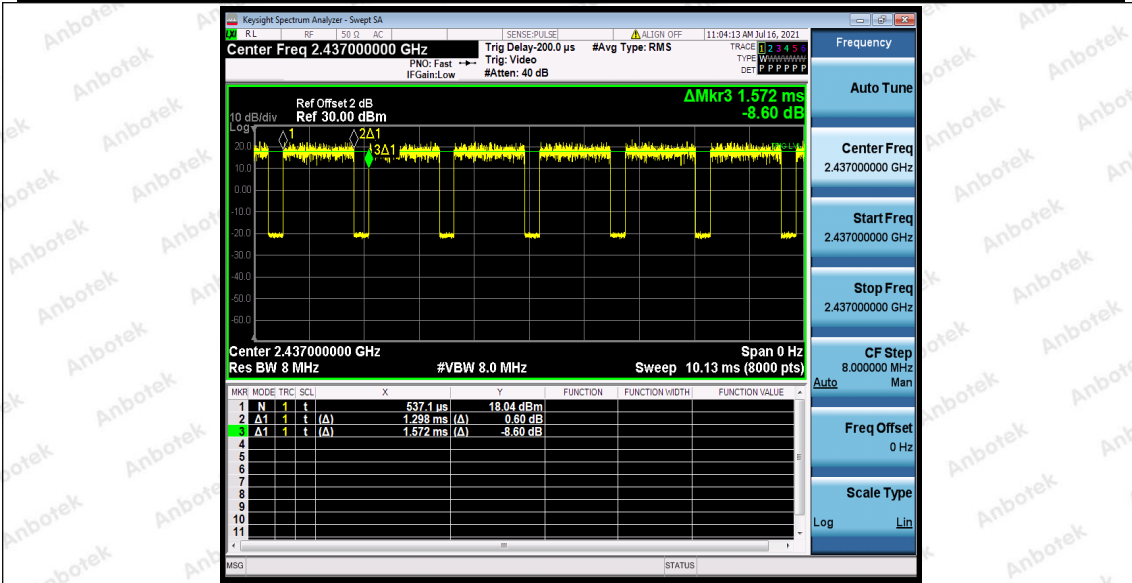


11N20\_Ant1\_2437

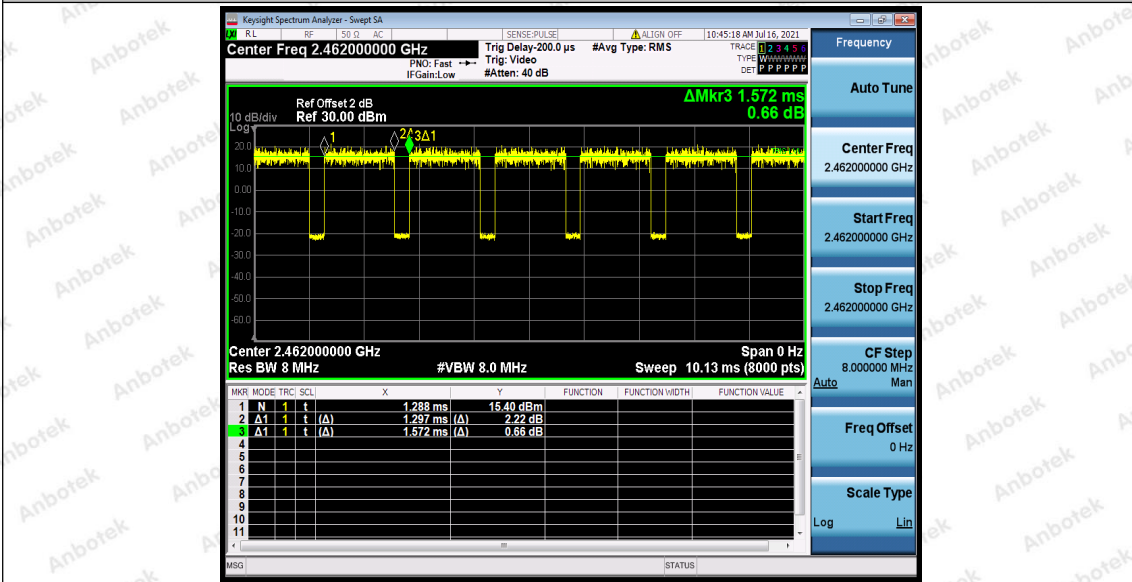
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11N20\_Ant1\_2462



---End---