

## Appendix Test Data

Report No.:	18220WC10269501	Test Sample No.:	1-2-2
Start Test Date:	2021.12.13	Finish Test Date:	2021.12.23
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	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	9.640	2406.920	2416.560	≥0.5	PASS
		2437	10.160	2431.920	2442.080	≥0.5	PASS
		2462	9.640	2457.440	2467.080	≥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	16.400	2453.800	2470.200	≥0.5	PASS
11N20	Ant1	2412	16.840	2403.480	2420.320	≥0.5	PASS
		2437	16.960	2428.440	2445.400	≥0.5	PASS
		2462	17.360	2453.440	2470.800	≥0.5	PASS

## Test Graphs

11B\_Ant1\_2412



11B\_Ant1\_2437



11B\_Ant1\_2462



11G\_Ant1\_2412



11G\_Ant1\_2437



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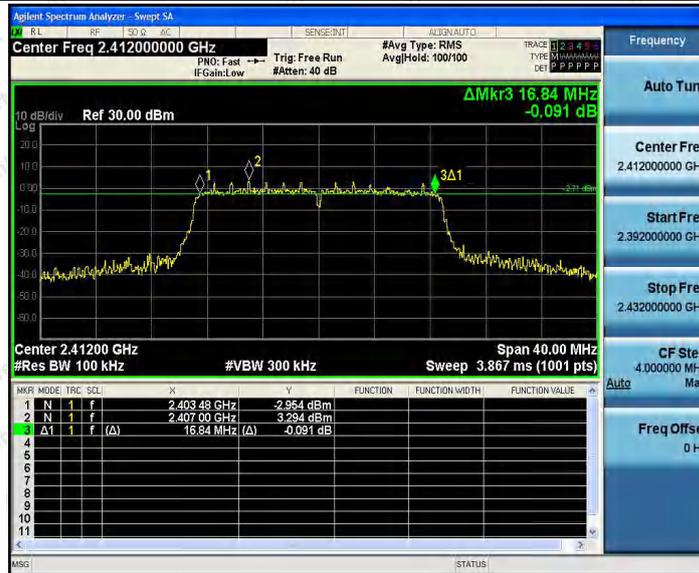
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11G\_Ant1\_2462



11N20\_Ant1\_2412



11N20\_Ant1\_2437

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11N20\_Ant1\_2462



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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	13.151	2405.434	2418.585	---	PASS
		2437	13.042	2430.458	2443.500	---	PASS
		2462	13.027	2455.508	2468.535	---	PASS
11G	Ant1	2412	16.763	2403.640	2420.403	---	PASS
		2437	16.851	2428.535	2445.386	---	PASS
		2462	16.805	2453.617	2470.422	---	PASS
11N20	Ant1	2412	17.649	2403.181	2420.830	---	PASS
		2437	17.654	2428.156	2445.810	---	PASS
		2462	17.638	2453.179	2470.817	---	PASS

## Test Graphs



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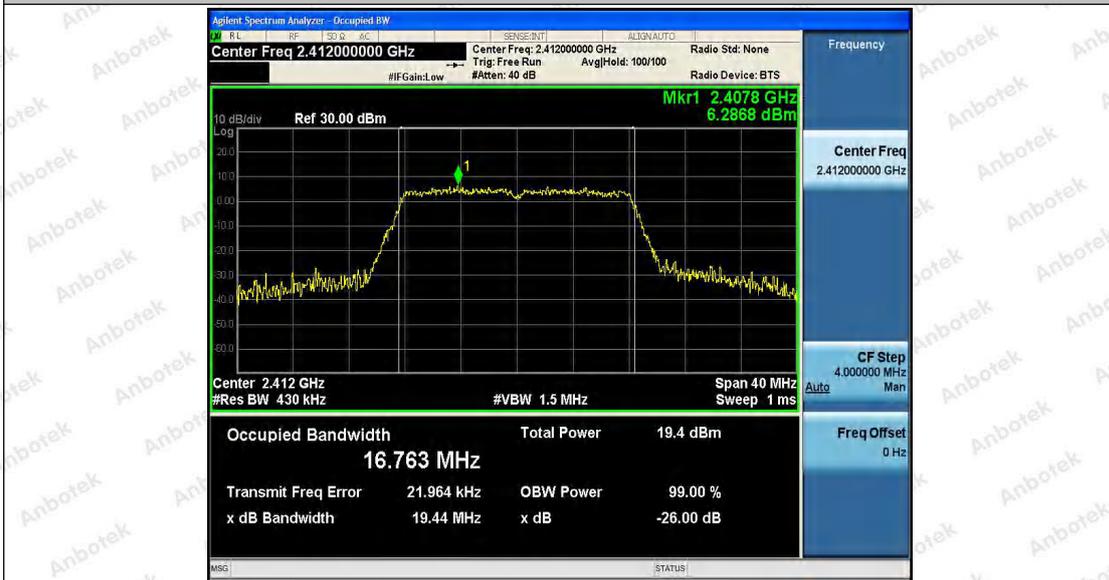
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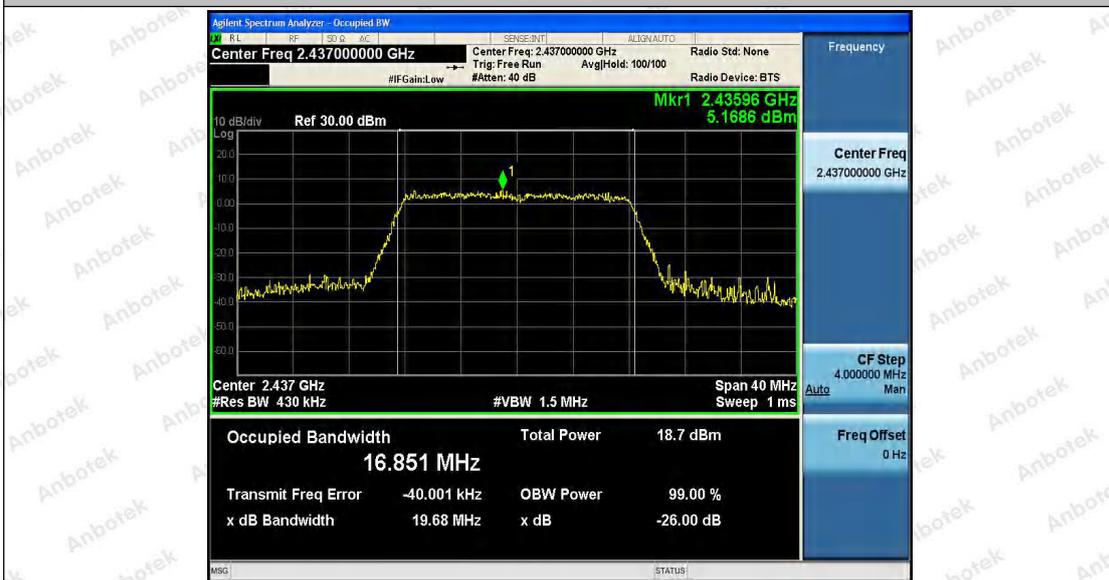
Hotline  
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11G\_Ant1\_2412



11G\_Ant1\_2437

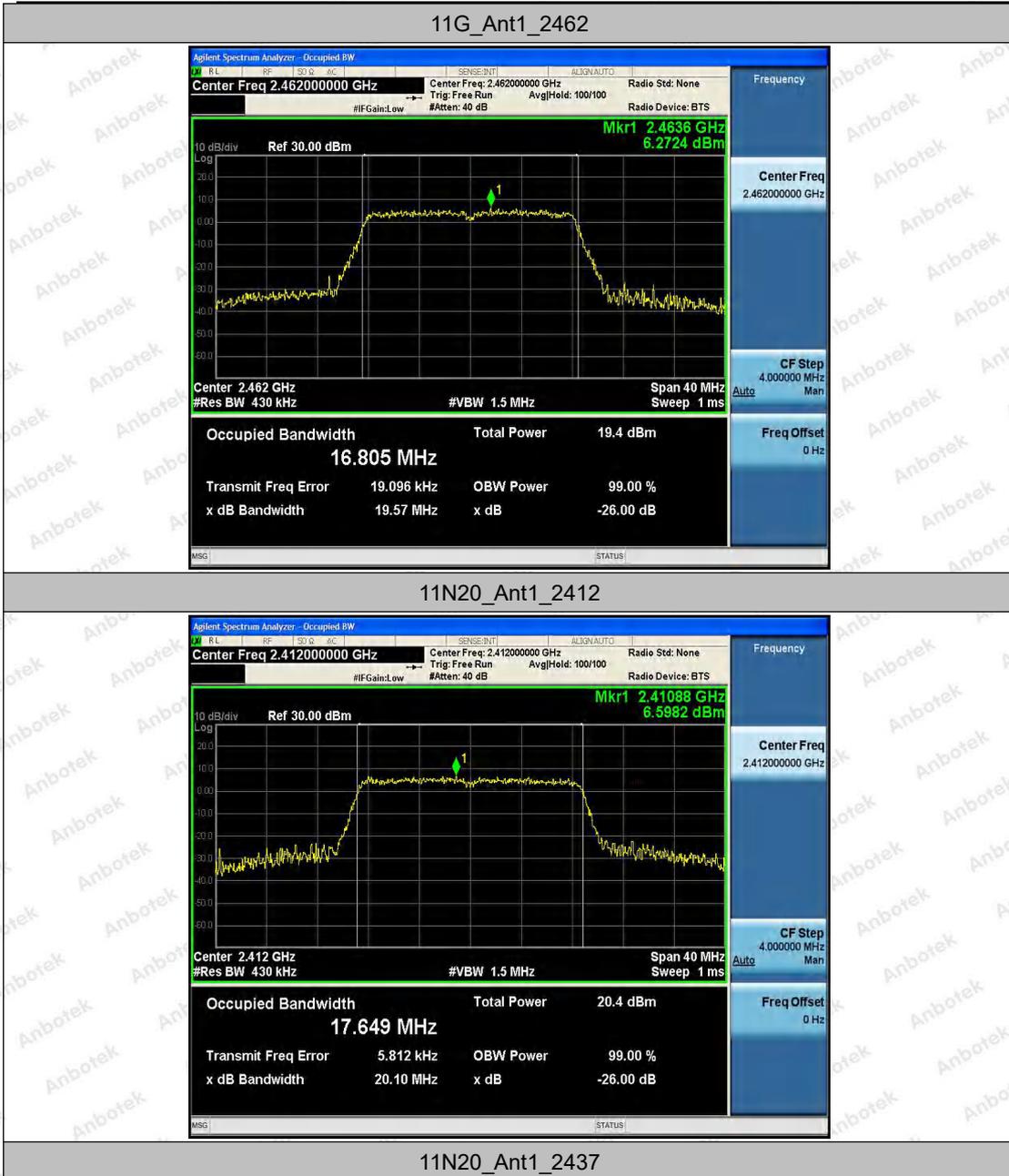


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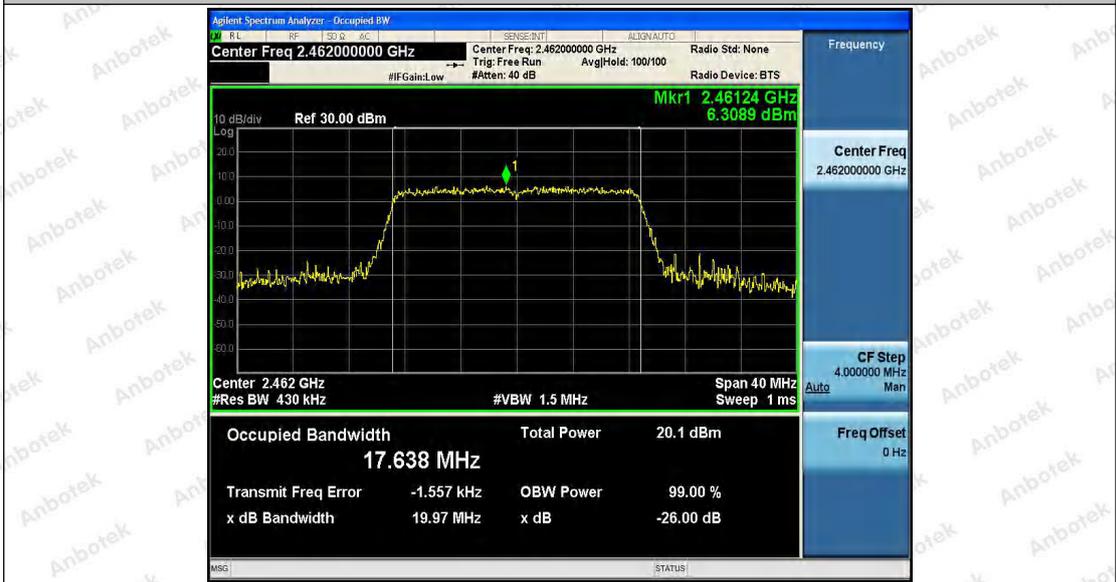
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## Appendix C: Maximum conducted output power

### Test Result

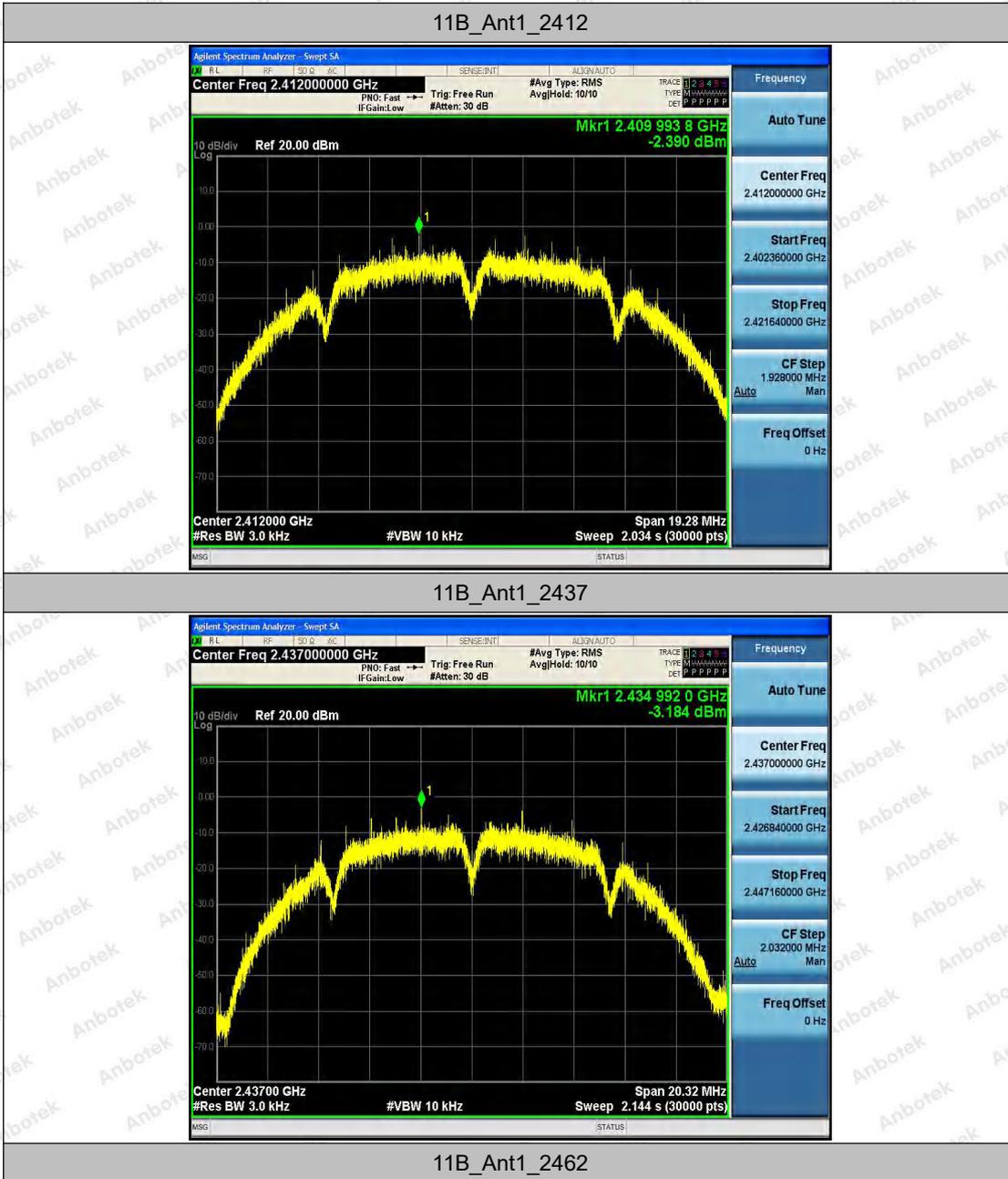
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	20.98	≤30	PASS
		2437	20.04	≤30	PASS
		2462	20.90	≤30	PASS
11G	Ant1	2412	20.54	≤30	PASS
		2437	19.73	≤30	PASS
		2462	20.44	≤30	PASS
11N20	Ant1	2412	21.46	≤30	PASS
		2437	20.46	≤30	PASS
		2462	21.18	≤30	PASS

## Appendix D: Maximum power spectral density

### Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-2.39	≤8	PASS
		2437	-3.18	≤8	PASS
		2462	-2.18	≤8	PASS
11G	Ant1	2412	-11.84	≤8	PASS
		2437	-12.79	≤8	PASS
		2462	-12.57	≤8	PASS
11N20	Ant1	2412	-10.72	≤8	PASS
		2437	-12.03	≤8	PASS
		2462	-11.08	≤8	PASS

## Test Graphs



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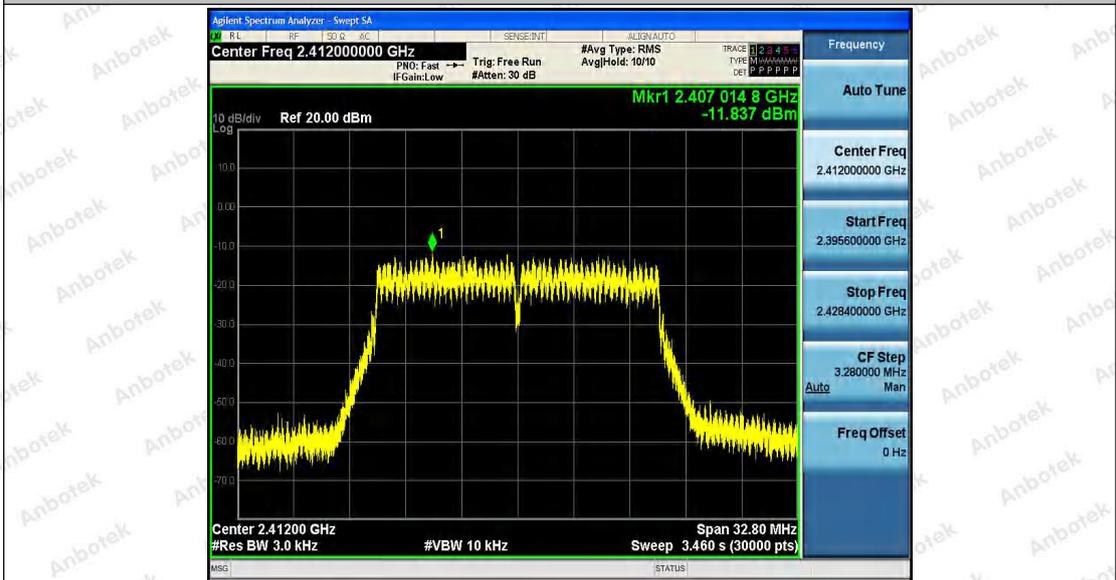
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

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

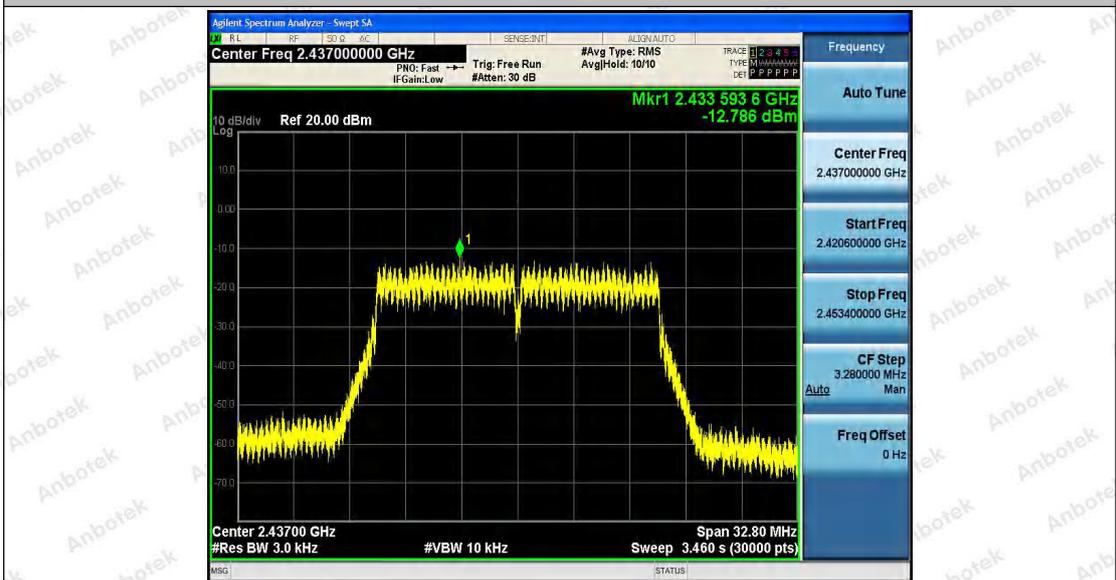
Hotline  
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11G\_Ant1\_2412



11G\_Ant1\_2437

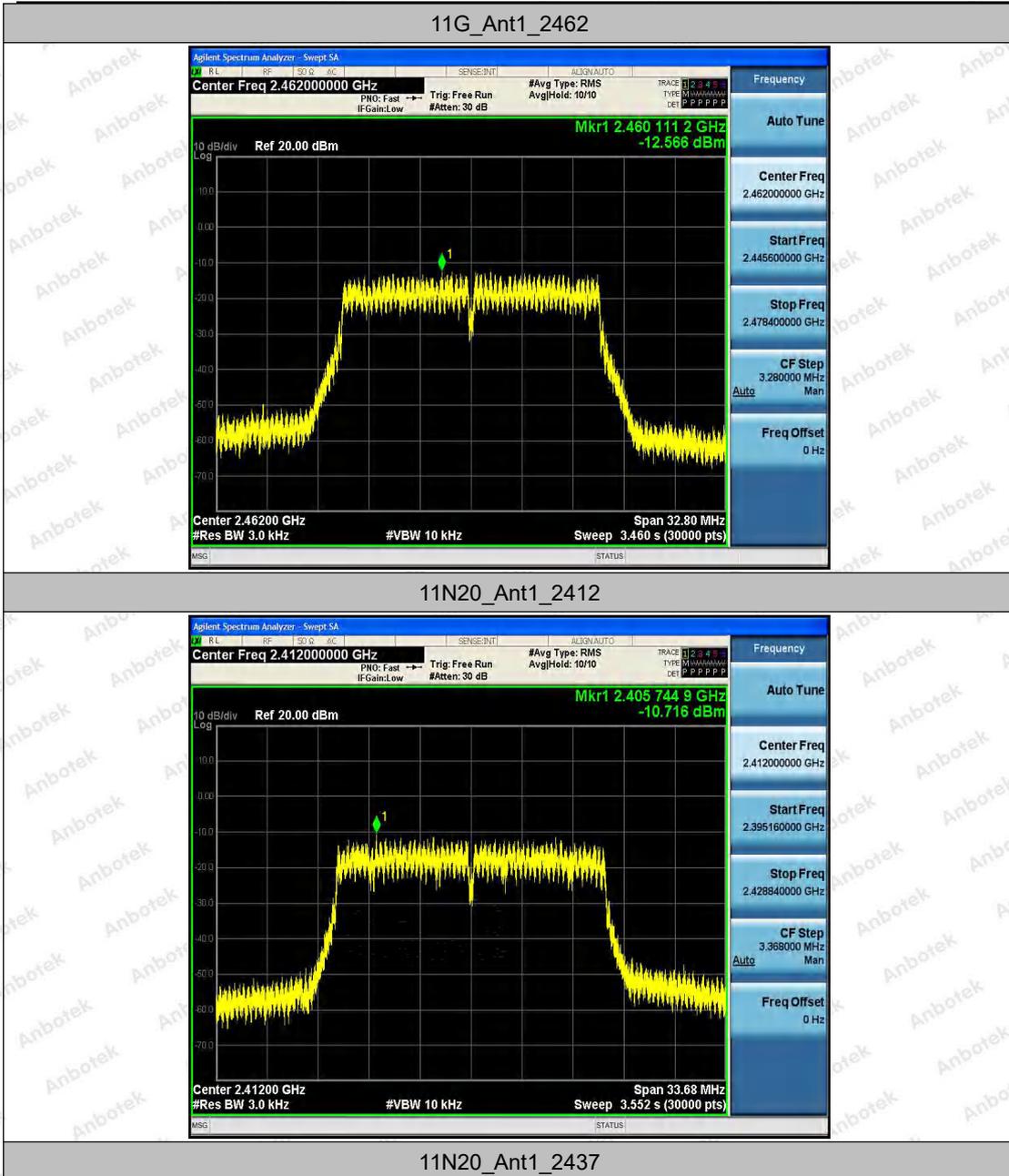


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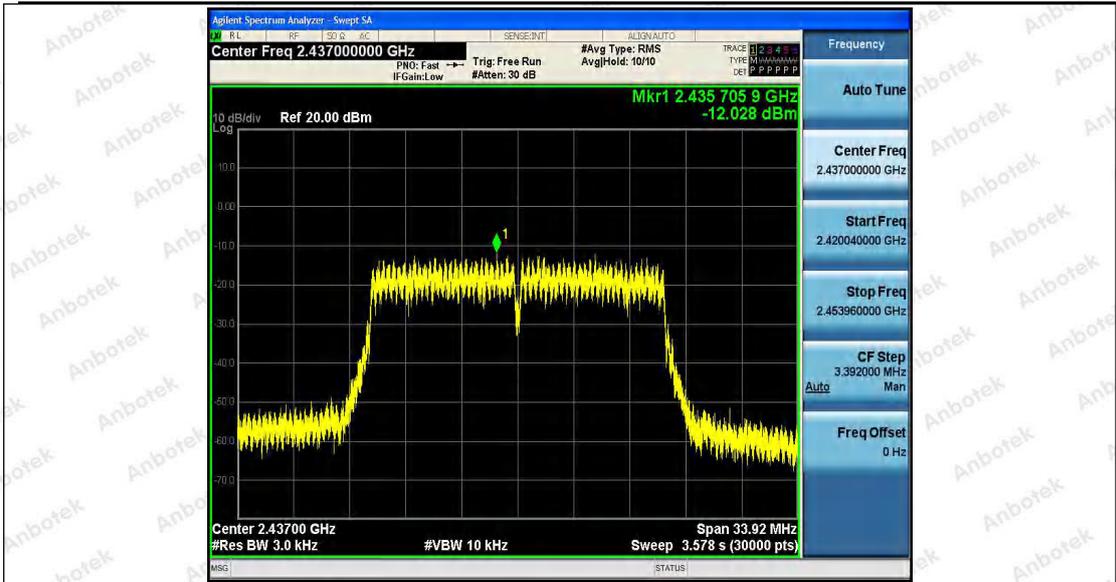
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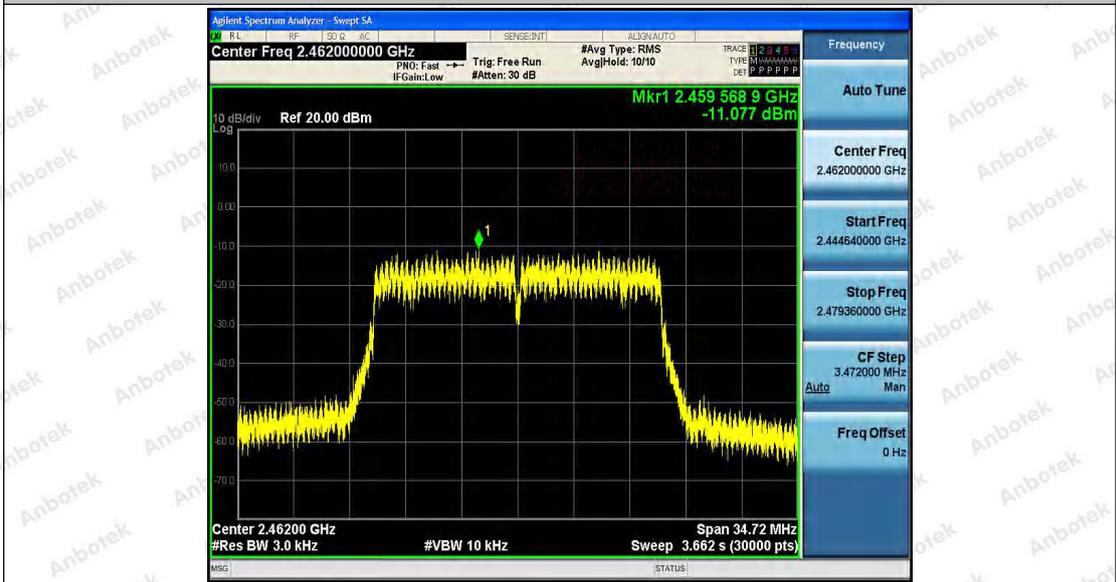
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11N20\_Ant1\_2462



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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	9.05	-34.79	≤-10.95	PASS
		High	2462	9.11	-44.12	≤-10.89	PASS
11G	Ant1	Low	2412	2.44	-35.79	≤-17.56	PASS
		High	2462	2.08	-42.06	≤-17.92	PASS
11N20	Ant1	Low	2412	3.23	-31.29	≤-16.77	PASS
		High	2462	2.71	-40.34	≤-17.29	PASS

## Test Graphs





11G\_Ant1\_High\_2462



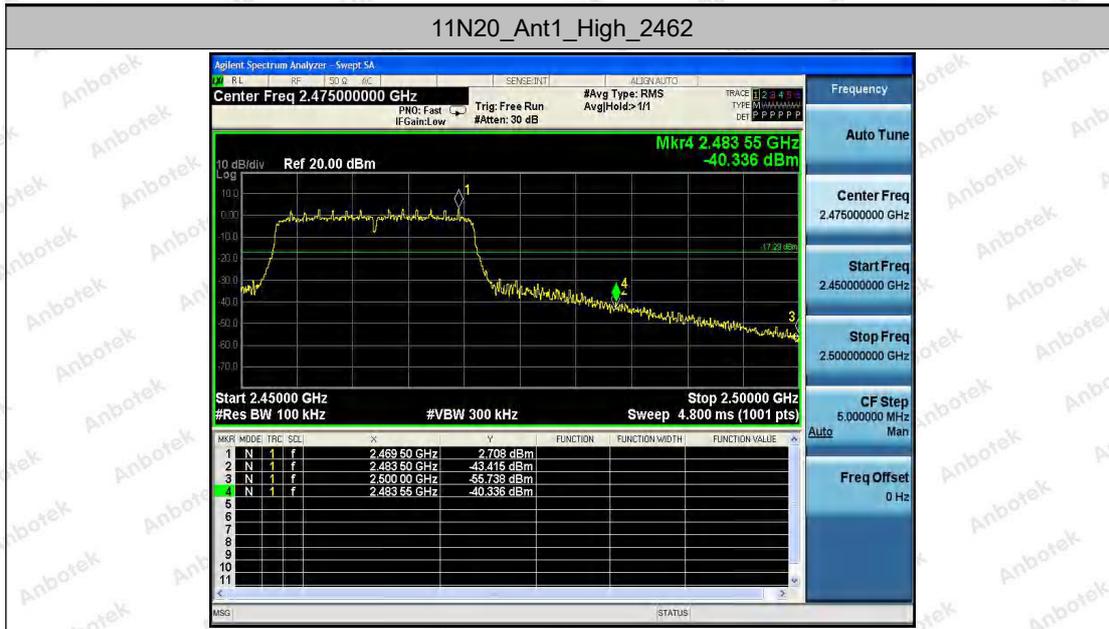
11N20\_Ant1\_Low\_2412



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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	8.87	8.87	---	PASS
			30~1000	8.87	-69.64	≤-11.13	PASS
			1000~26500	8.87	-55.6	≤-11.13	PASS
		2437	Reference	8.02	8.02	---	PASS
			30~1000	8.02	-69.44	≤-11.98	PASS
			1000~26500	8.02	-54.21	≤-11.98	PASS
		2462	Reference	8.99	8.99	---	PASS
			30~1000	8.99	-69.84	≤-11.01	PASS
			1000~26500	8.99	-55.3	≤-11.01	PASS
11G	Ant1	2412	Reference	2.35	2.35	---	PASS
			30~1000	2.35	-68.14	≤-17.65	PASS
			1000~26500	2.35	-55.67	≤-17.65	PASS
		2437	Reference	1.42	1.42	---	PASS
			30~1000	1.42	-69.9	≤-18.59	PASS
			1000~26500	1.42	-55.7	≤-18.59	PASS
		2462	Reference	1.80	1.80	---	PASS
			30~1000	1.80	-70.08	≤-18.2	PASS
			1000~26500	1.80	-54.97	≤-18.2	PASS
11N20	Ant1	2412	Reference	2.84	2.84	---	PASS
			30~1000	2.84	-69.31	≤-17.16	PASS
			1000~26500	2.84	-55.54	≤-17.16	PASS
		2437	Reference	1.85	1.85	---	PASS
			30~1000	1.85	-68.78	≤-18.15	PASS
			1000~26500	1.85	-54.78	≤-18.15	PASS
		2462	Reference	3.13	3.13	---	PASS
			30~1000	3.13	-70.06	≤-16.87	PASS
			1000~26500	3.13	-55.73	≤-16.87	PASS

## Test Graphs

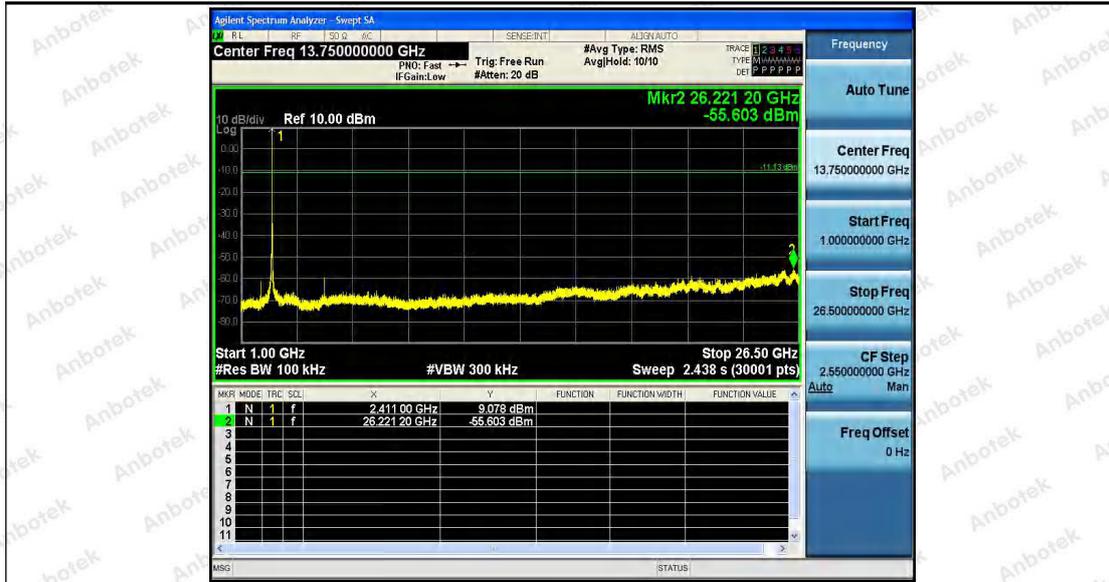


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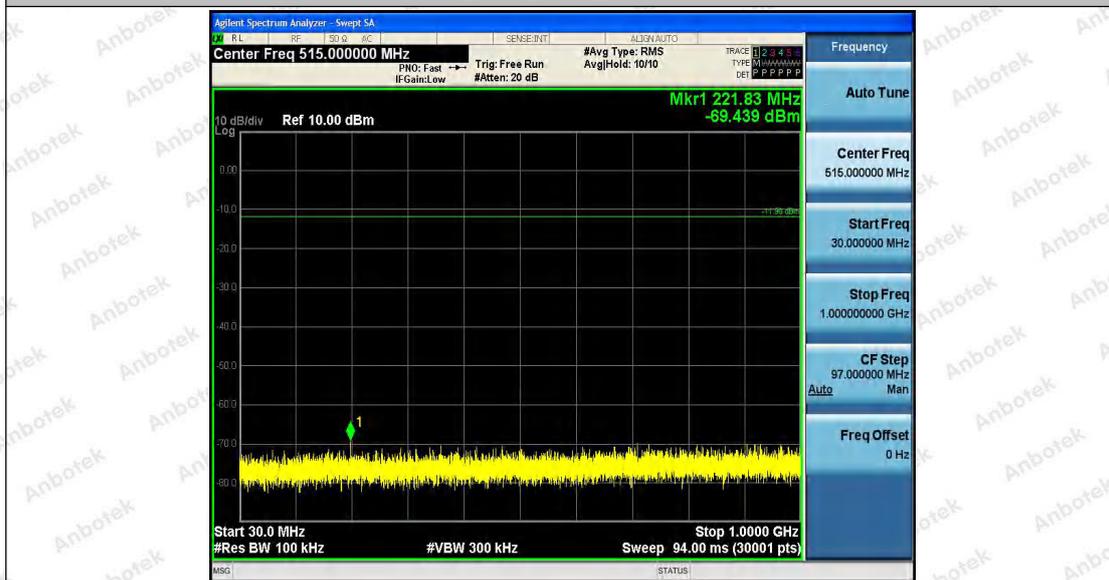
Hotline  
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11B\_Ant1\_2437\_0~Reference



11B\_Ant1\_2437\_30~1000

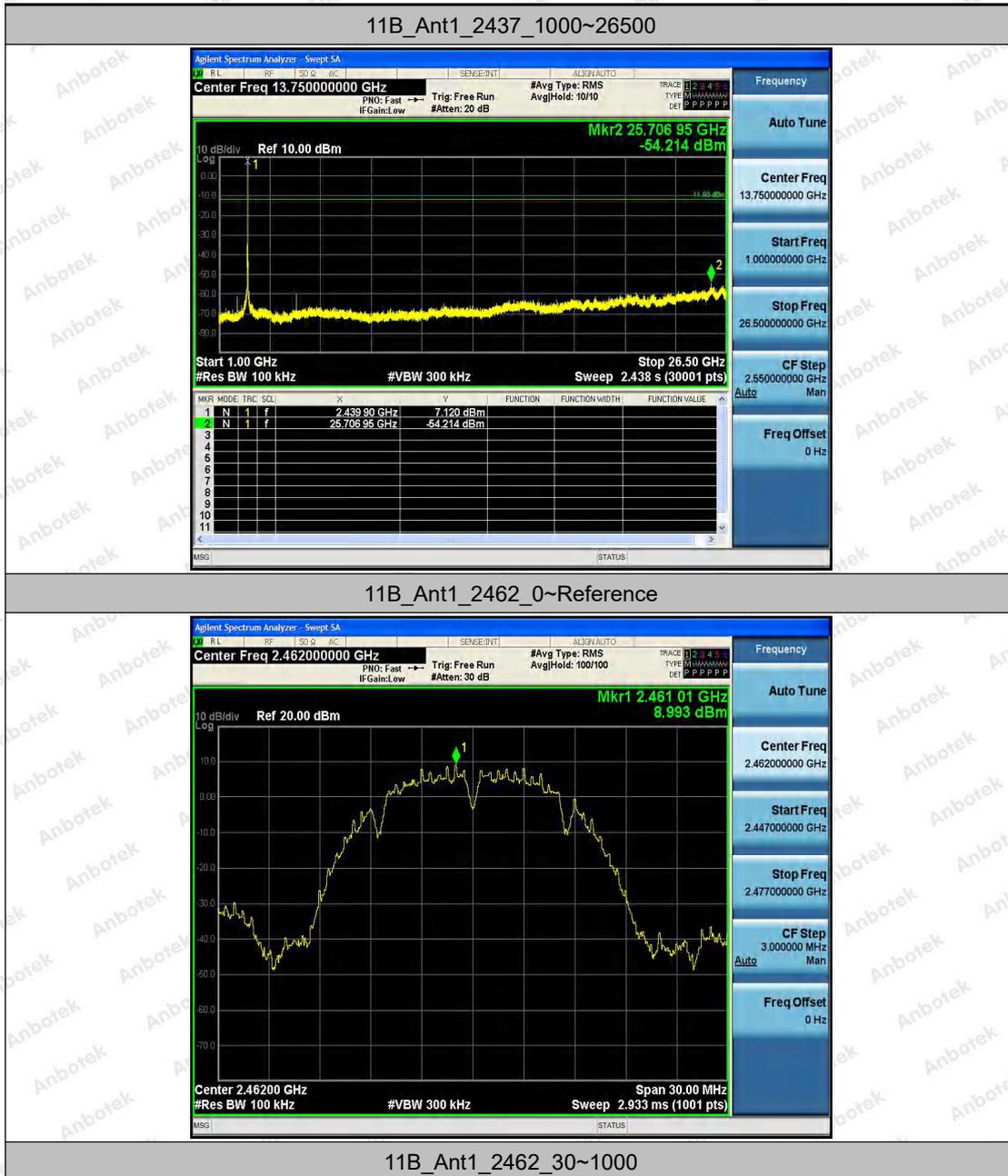


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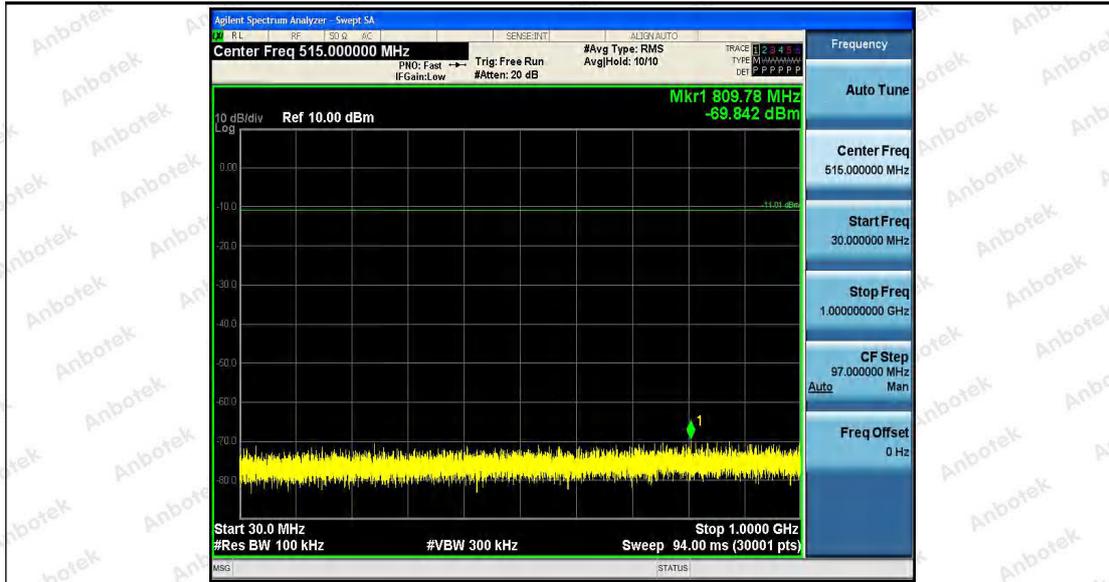


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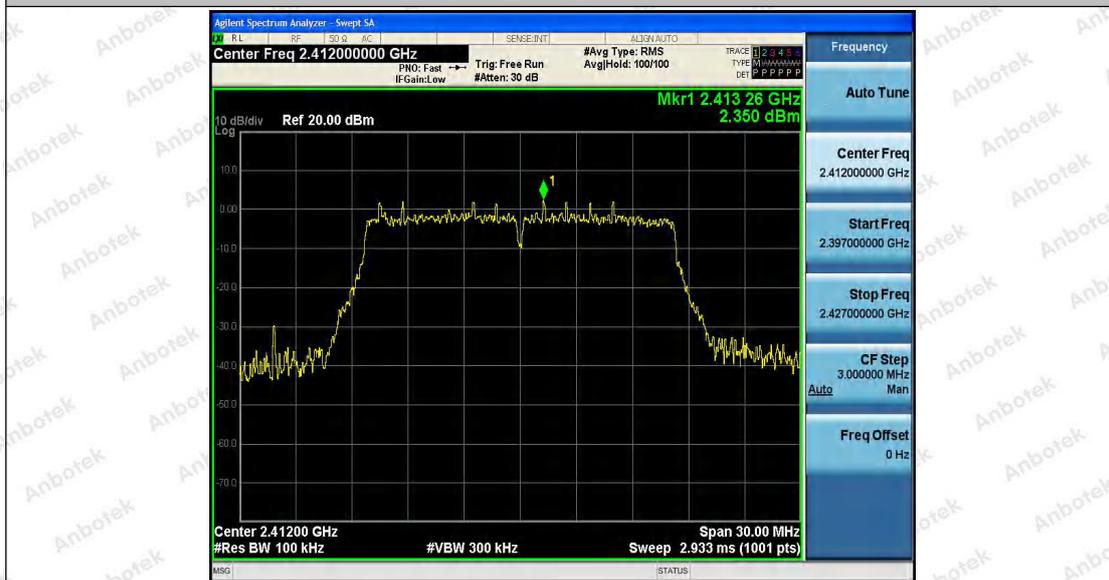
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11B\_Ant1\_2462\_1000~26500



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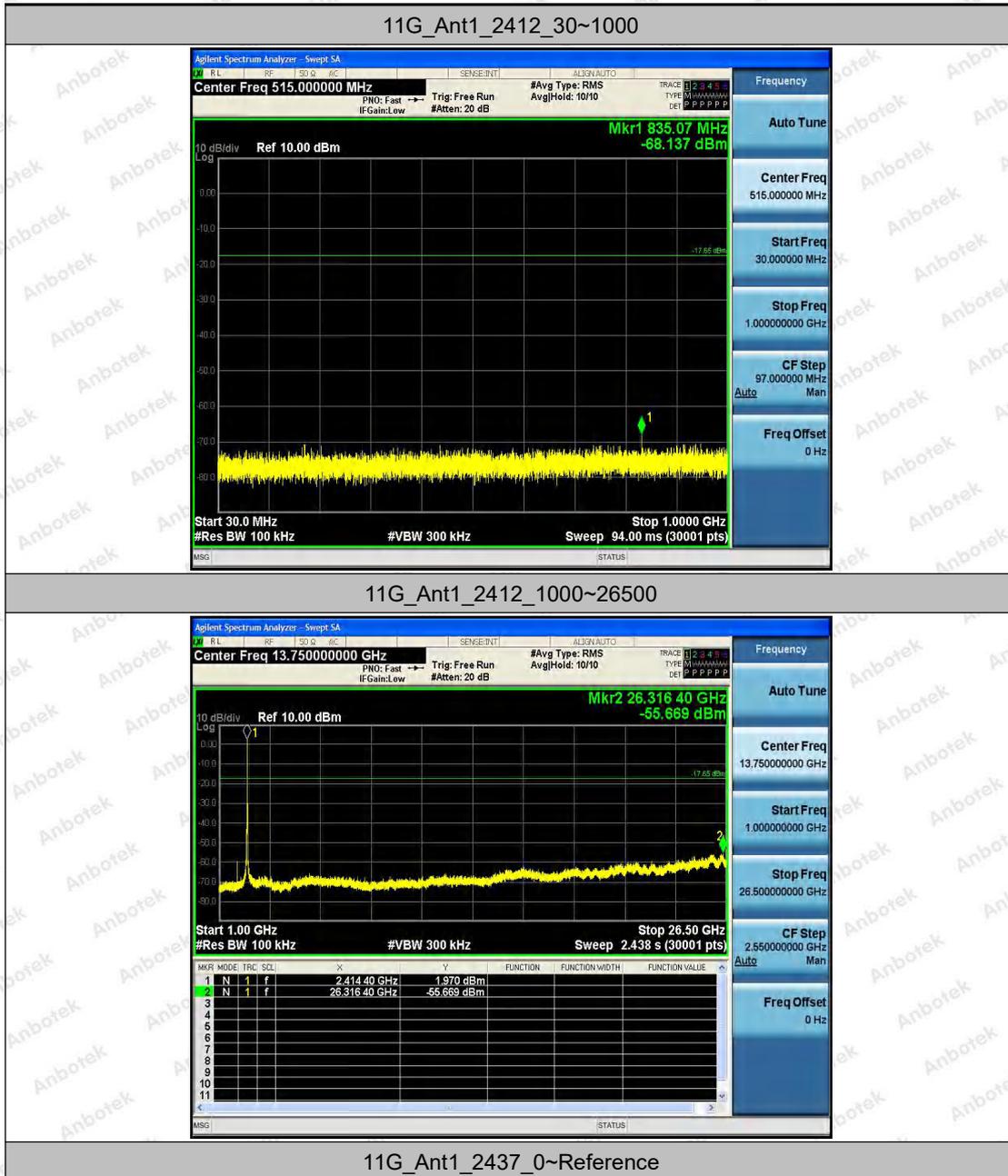


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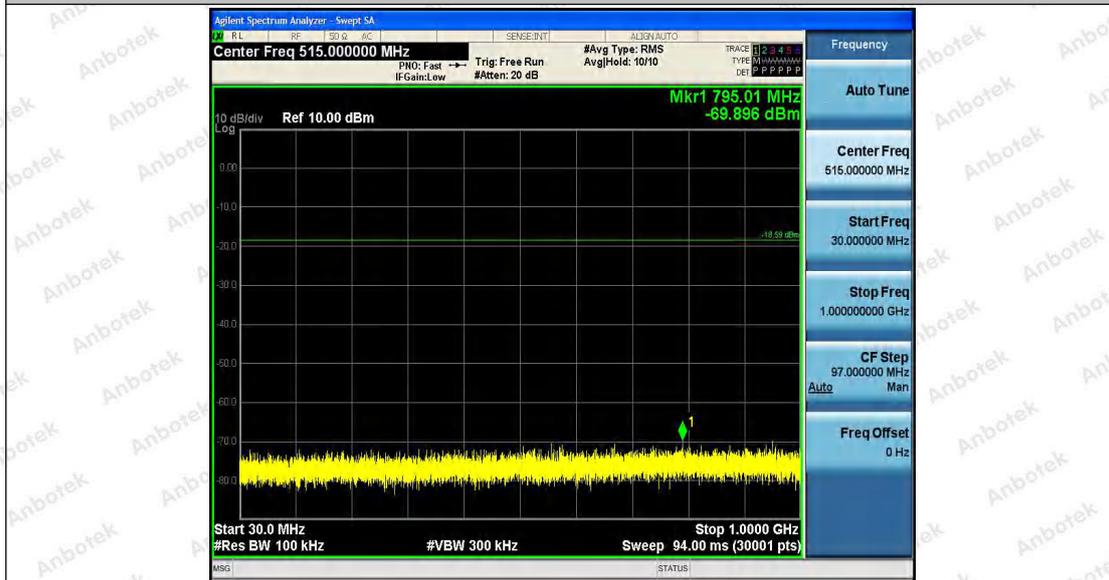
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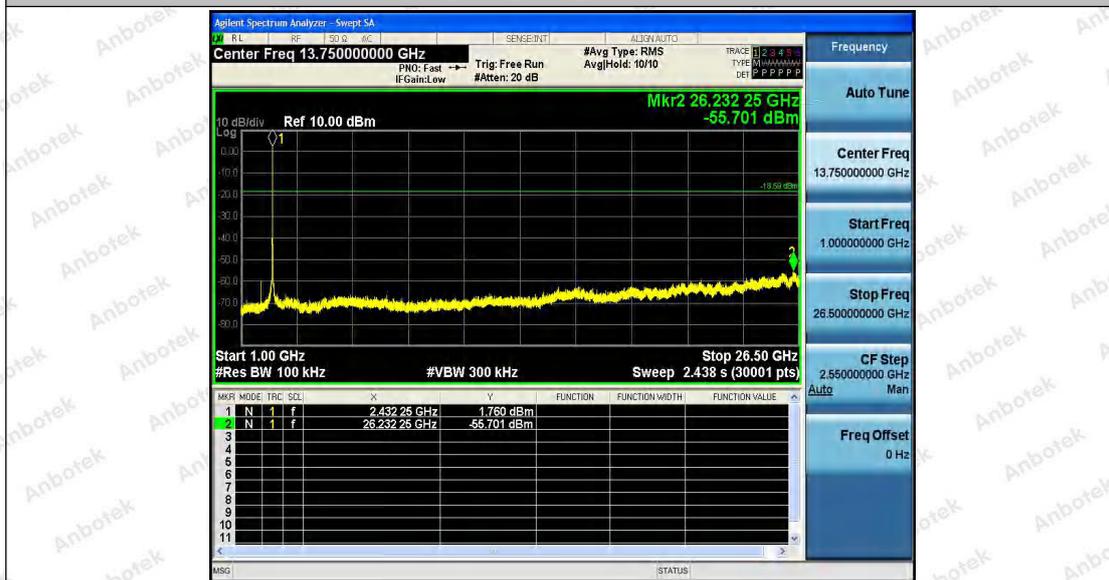
Hotline  
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11G\_Ant1\_2437\_30~1000



11G\_Ant1\_2437\_1000~26500

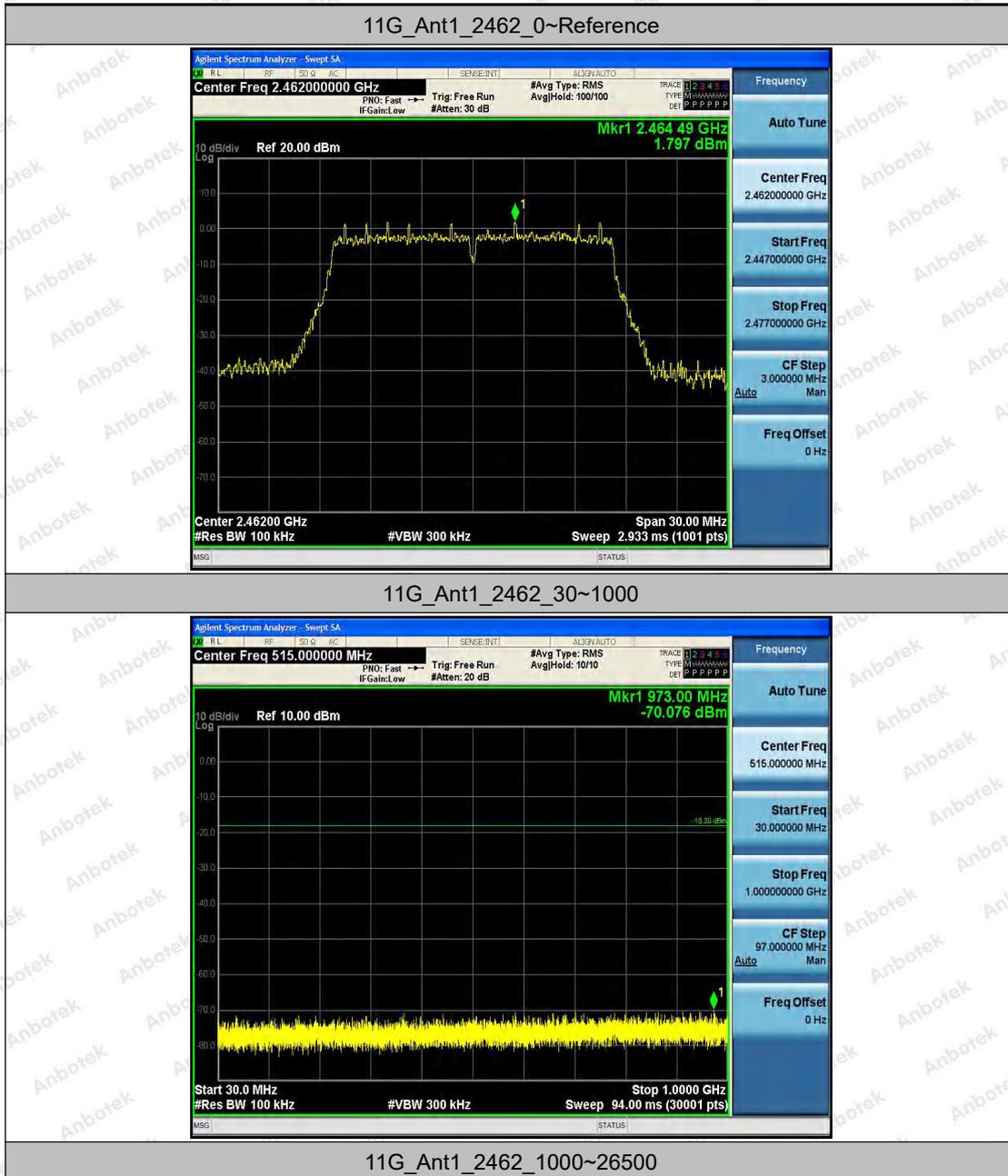


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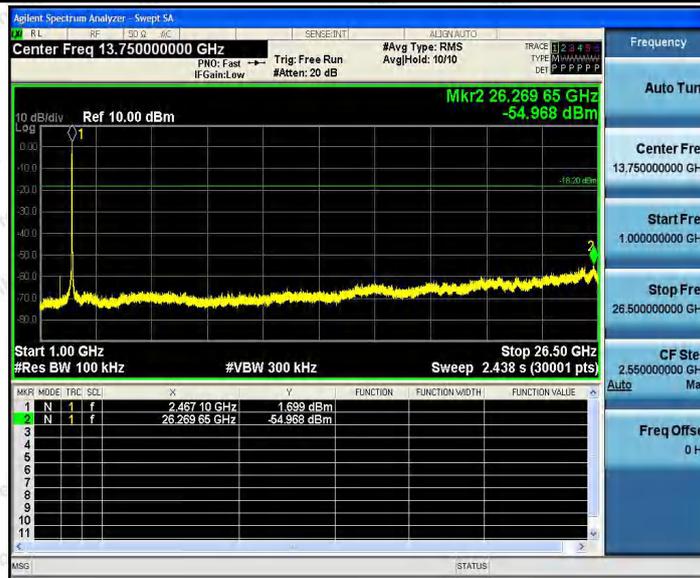
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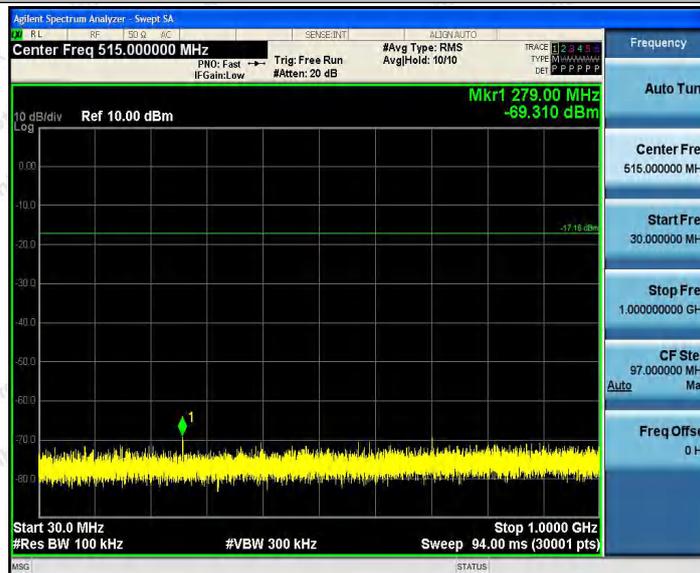
Hotline  
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11N20\_Ant1\_2412\_0~Reference



11N20\_Ant1\_2412\_30~1000

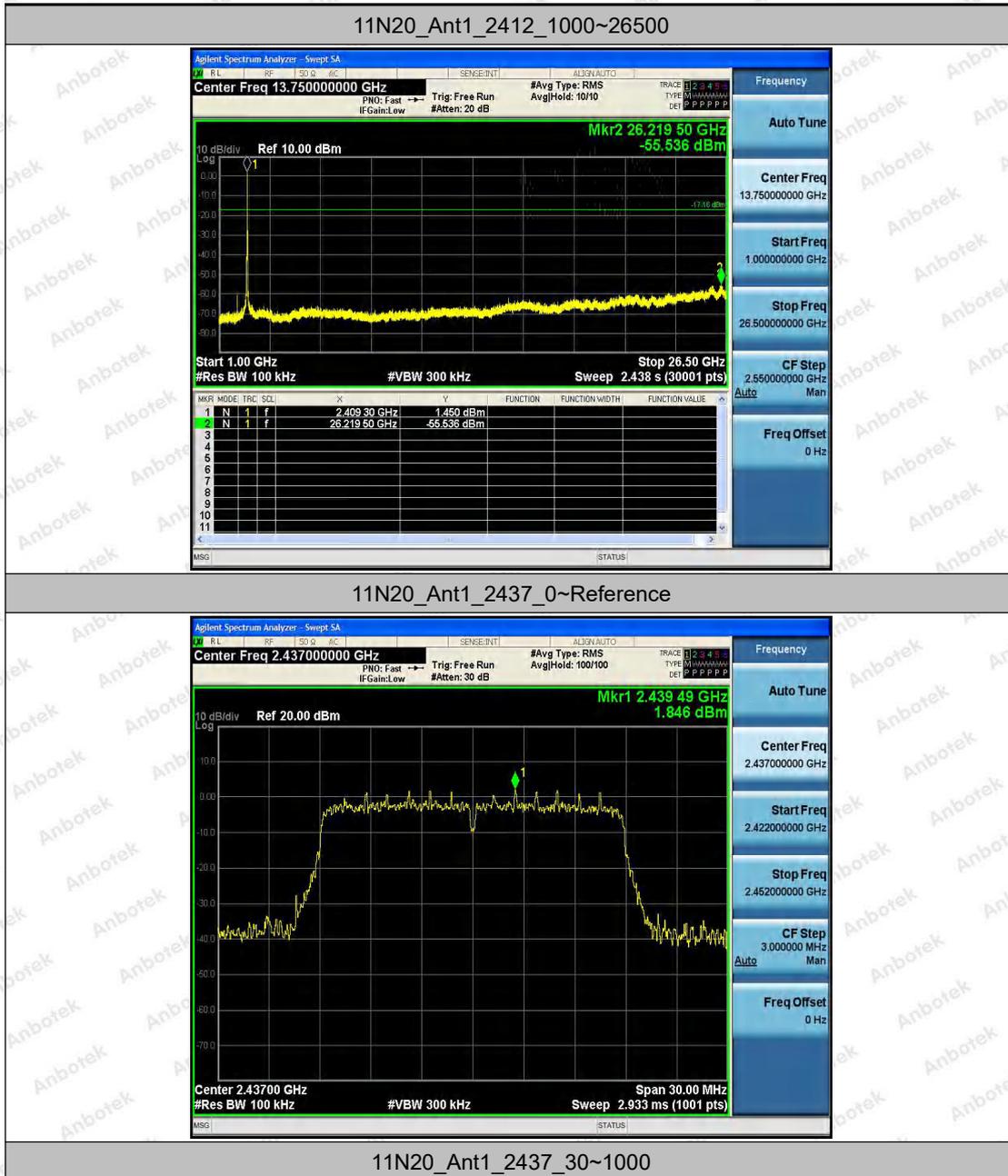


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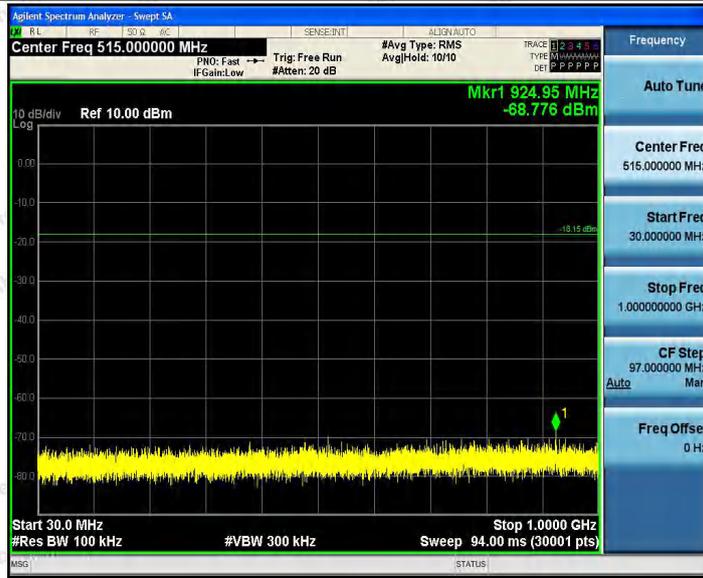


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11N20\_Ant1\_2437\_1000~26500



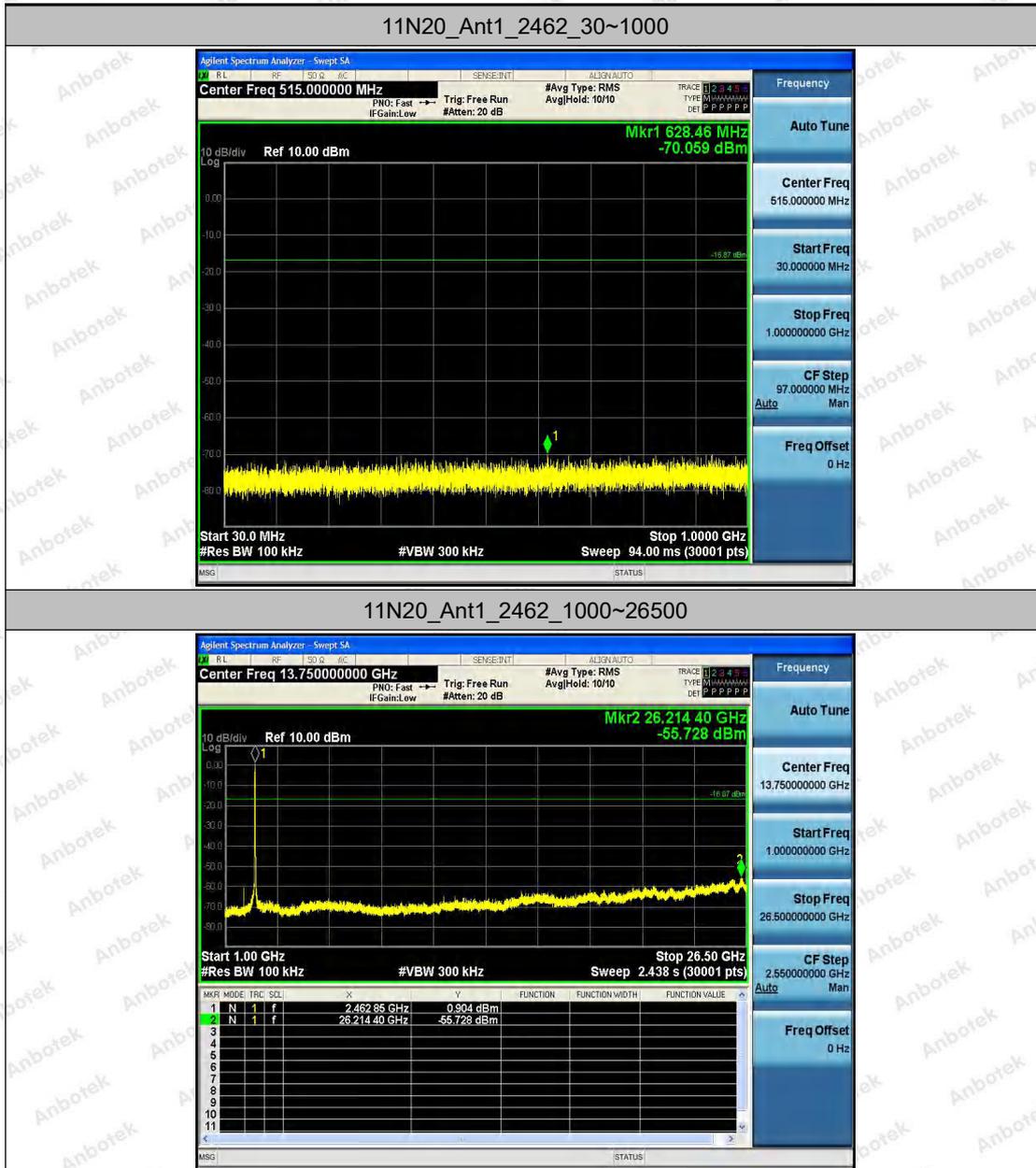
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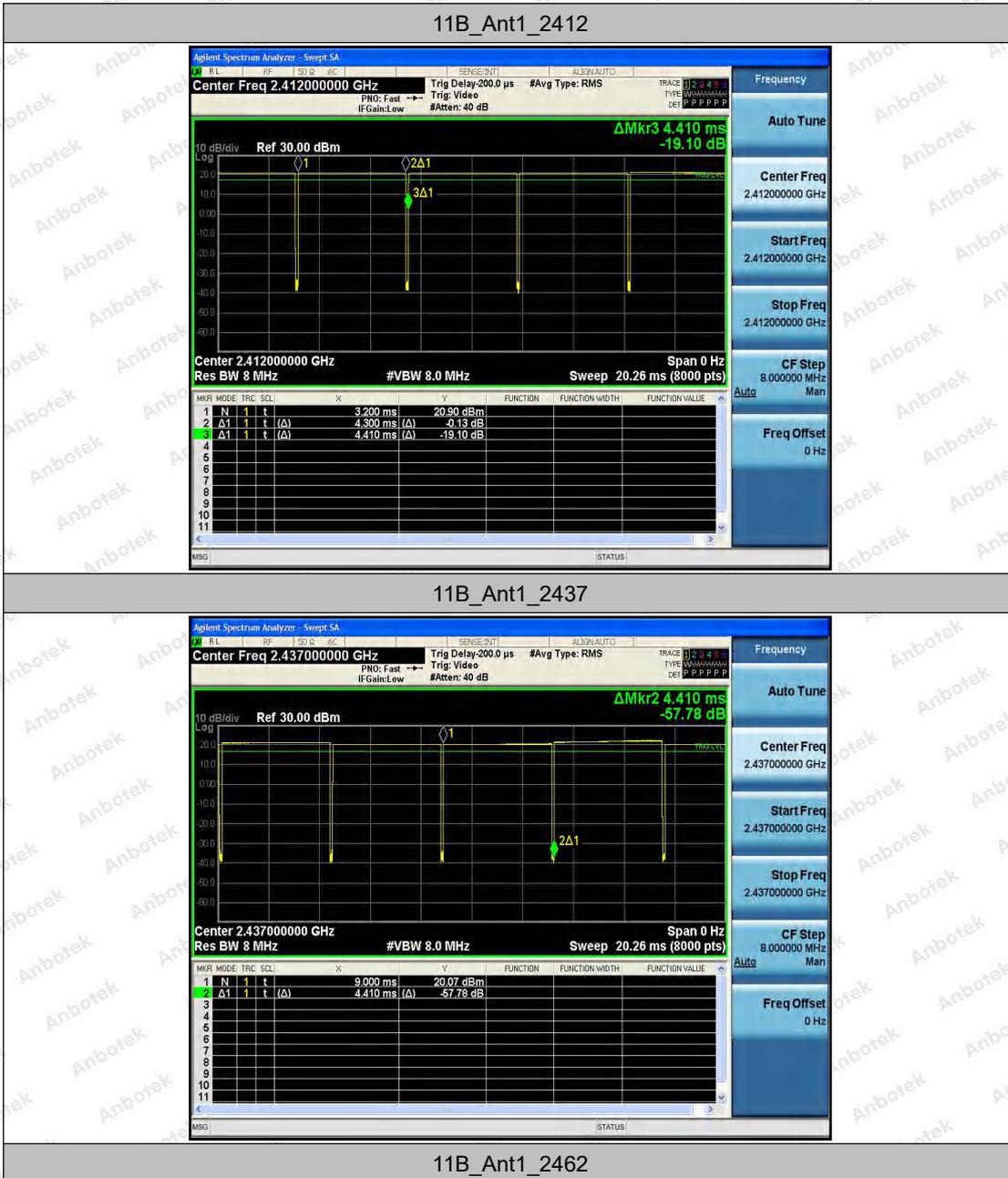
Hotline  
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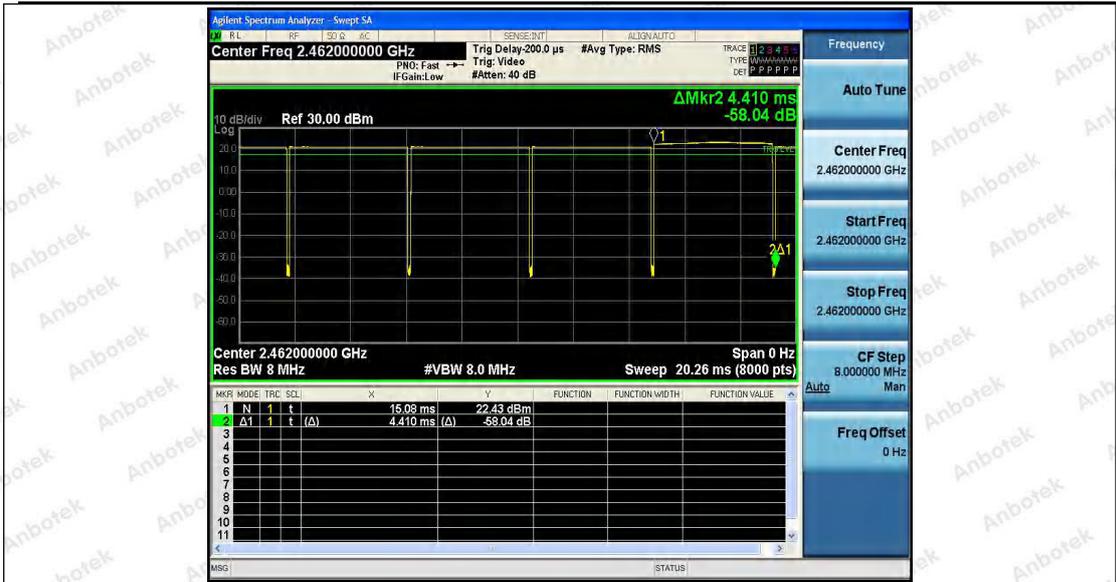
## Appendix G: Duty Cycle

### Test Result

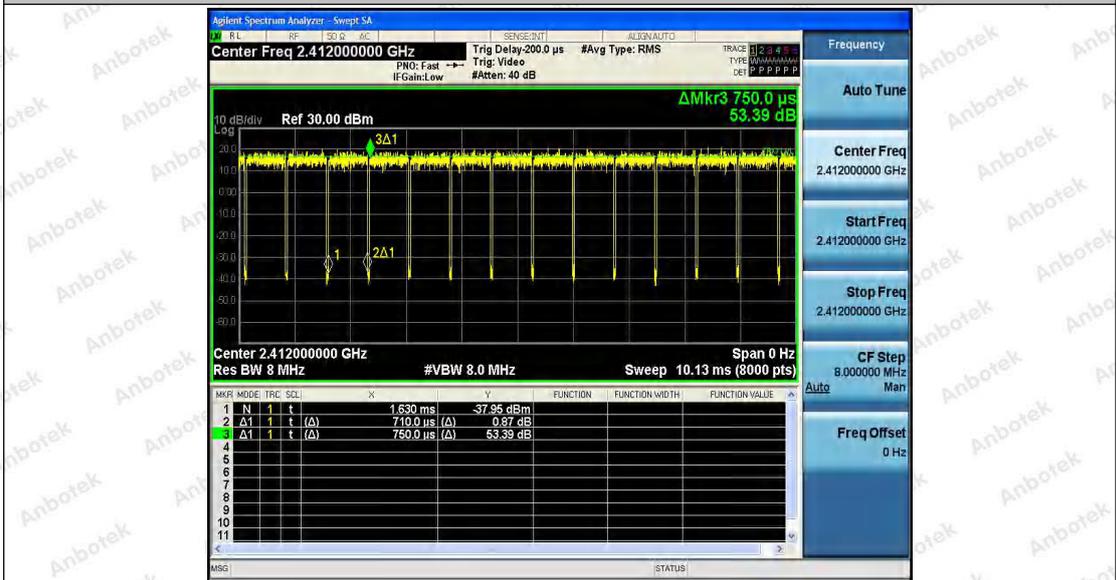
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	4.30	4.41	97.51	---	PASS
		2437	4.30	4.41	97.51	---	PASS
		2462	4.30	4.41	97.51	---	PASS
11G	Ant1	2412	0.71	0.75	94.67	---	PASS
		2437	0.71	0.75	94.67	---	PASS
		2462	0.71	0.75	94.67	---	PASS
11N20	Ant1	2412	0.66	0.70	94.29	---	PASS
		2437	0.67	0.71	94.37	---	PASS
		2462	0.66	0.70	94.29	---	PASS

## Test Graphs

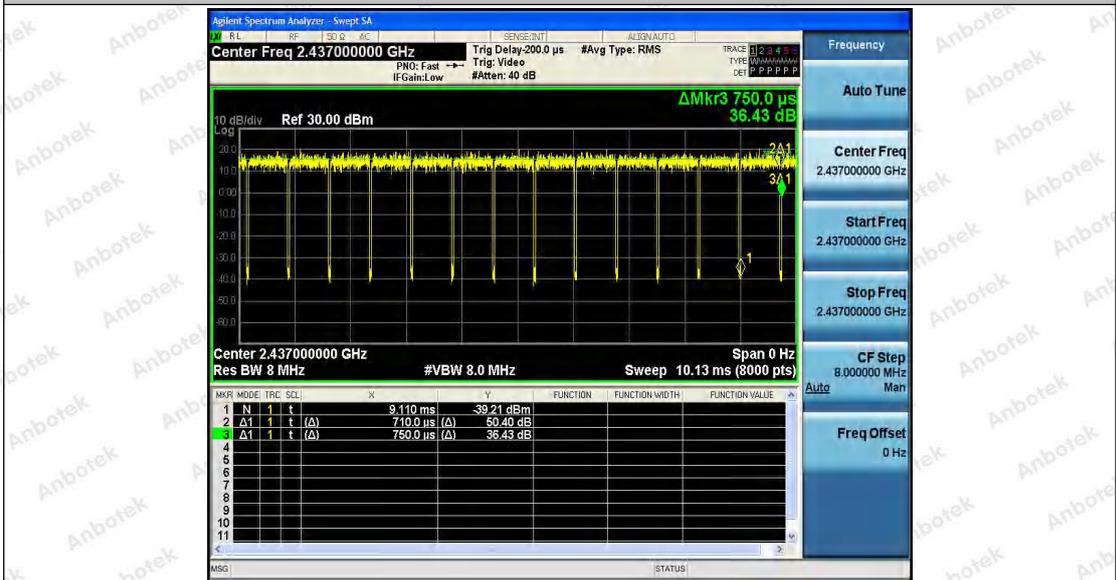




11G\_Ant1\_2412



11G\_Ant1\_2437

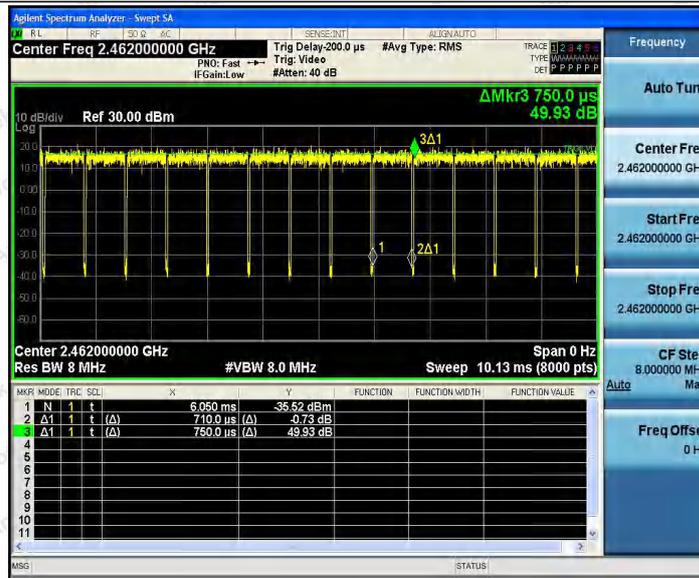


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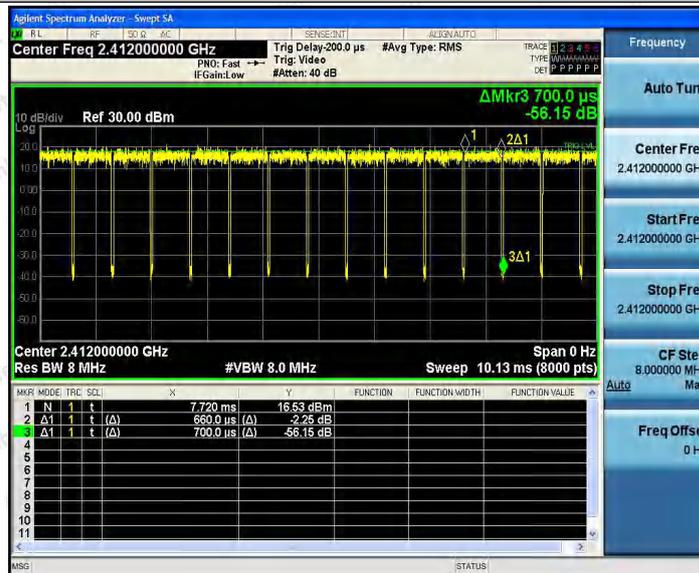
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
 Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

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 400-003-0500  
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11G\_Ant1\_2462



11N20\_Ant1\_2412



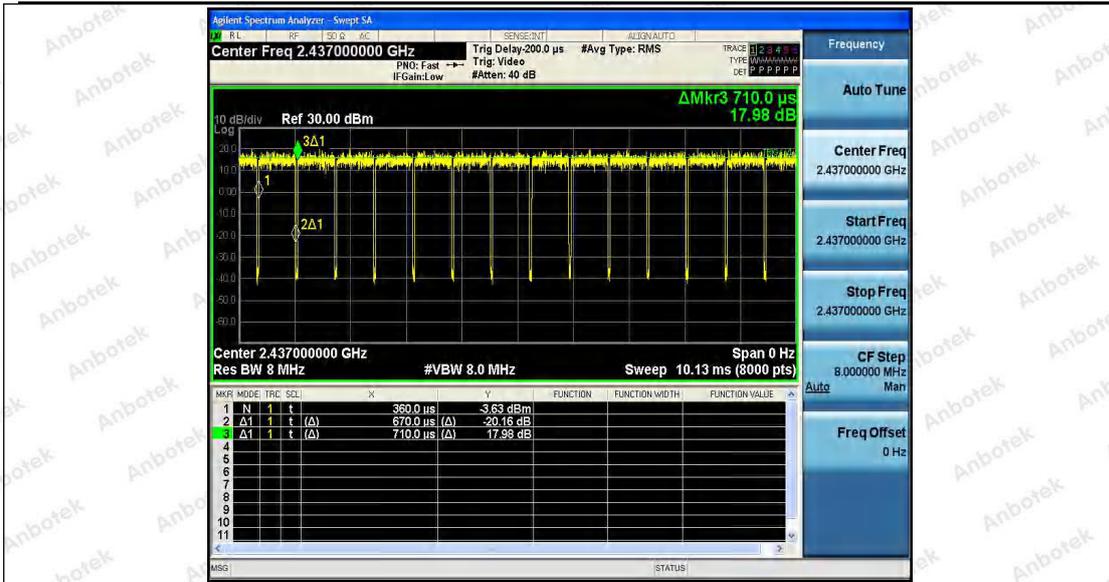
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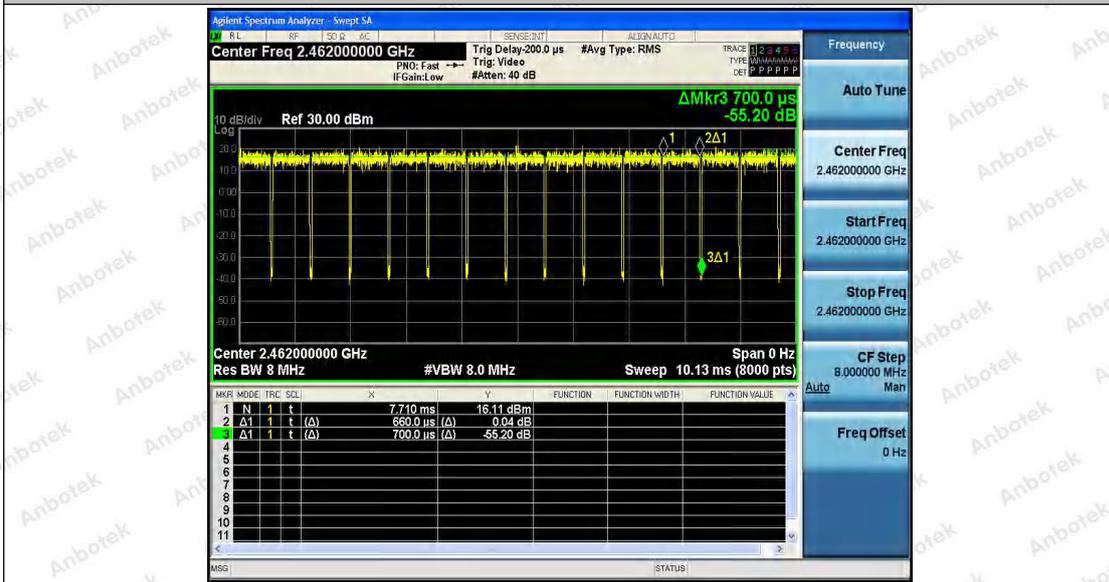
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