

## Appendix Test Data

Report No.:	18220WC10189102	Test Date:	2021.9.9
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	7.680	2408.440	2416.120	≥0.5	PASS
		2437	7.640	2432.960	2440.600	≥0.5	PASS
		2462	9.640	2457.440	2467.080	≥0.5	PASS
11G	Ant1	2412	15.120	2404.440	2419.560	≥0.5	PASS
		2437	14.880	2429.440	2444.320	≥0.5	PASS
		2462	15.880	2454.080	2469.960	≥0.5	PASS
11N20	Ant1	2412	13.960	2405.680	2419.640	≥0.5	PASS
		2437	15.400	2429.200	2444.600	≥0.5	PASS
		2462	15.200	2454.440	2469.640	≥0.5	PASS

## Test Graphs





11G\_Ant1\_2412



11G\_Ant1\_2437



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11G\_Ant1\_2462



11N20\_Ant1\_2412



11N20\_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	14.049	2405.060	2419.109	---	PASS
		2437	14.303	2429.830	2444.133	---	PASS
		2462	14.090	2454.997	2469.087	---	PASS
11G	Ant1	2412	16.648	2403.721	2420.369	---	PASS
		2437	16.719	2428.662	2445.381	---	PASS
		2462	16.635	2453.743	2470.378	---	PASS
11N20	Ant1	2412	17.650	2403.257	2420.907	---	PASS
		2437	17.756	2428.115	2445.871	---	PASS
		2462	17.725	2453.189	2470.914	---	PASS

## Test Graphs





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## Appendix C: Maximum conducted output power

### Test Result

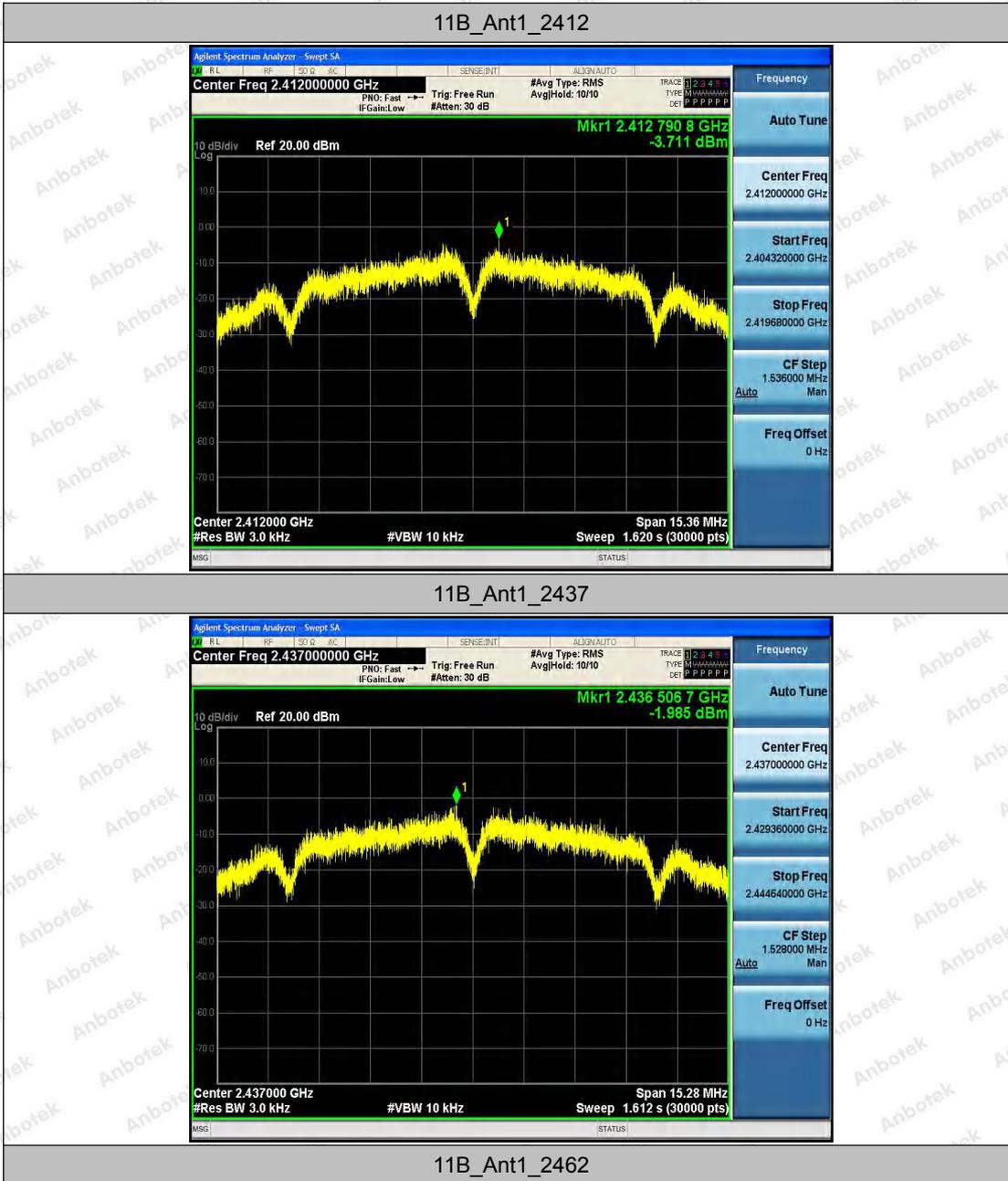
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	20.20	≤30	PASS
		2437	22.78	≤30	PASS
		2462	20.46	≤30	PASS
11G	Ant1	2412	21.30	≤30	PASS
		2437	23.30	≤30	PASS
		2462	21.75	≤30	PASS
11N20	Ant1	2412	20.31	≤30	PASS
		2437	22.09	≤30	PASS
		2462	20.59	≤30	PASS

## Appendix D: Maximum power spectral density

### Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-3.71	≤8	PASS
		2437	-1.99	≤8	PASS
		2462	-4.41	≤8	PASS
11G	Ant1	2412	-10.37	≤8	PASS
		2437	-8.81	≤8	PASS
		2462	-9.94	≤8	PASS
11N20	Ant1	2412	-9.87	≤8	PASS
		2437	-9.84	≤8	PASS
		2462	-11.29	≤8	PASS

## Test Graphs



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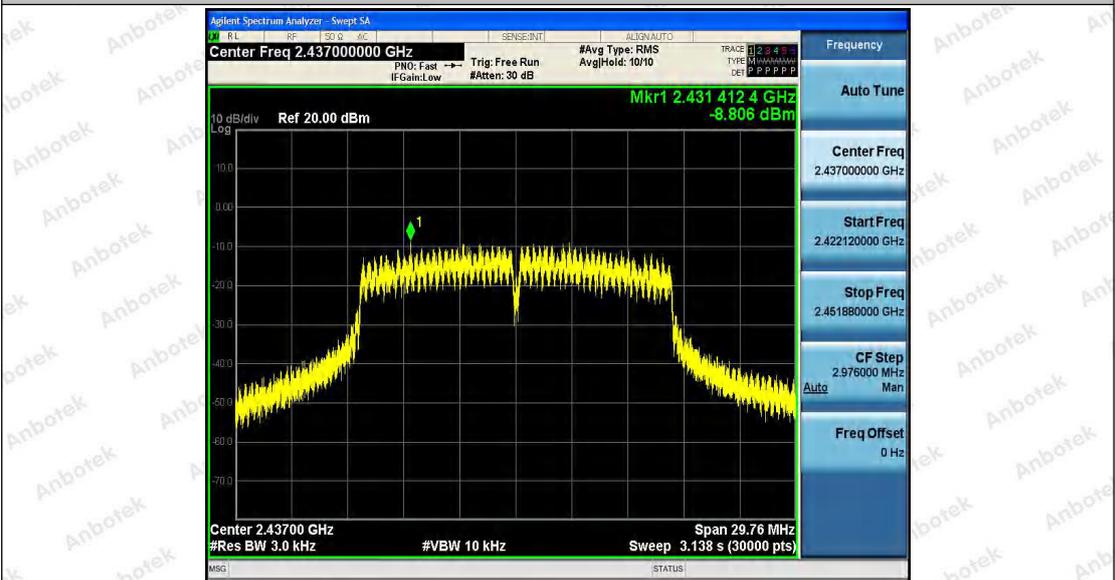
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11G\_Ant1\_2412



11G\_Ant1\_2437



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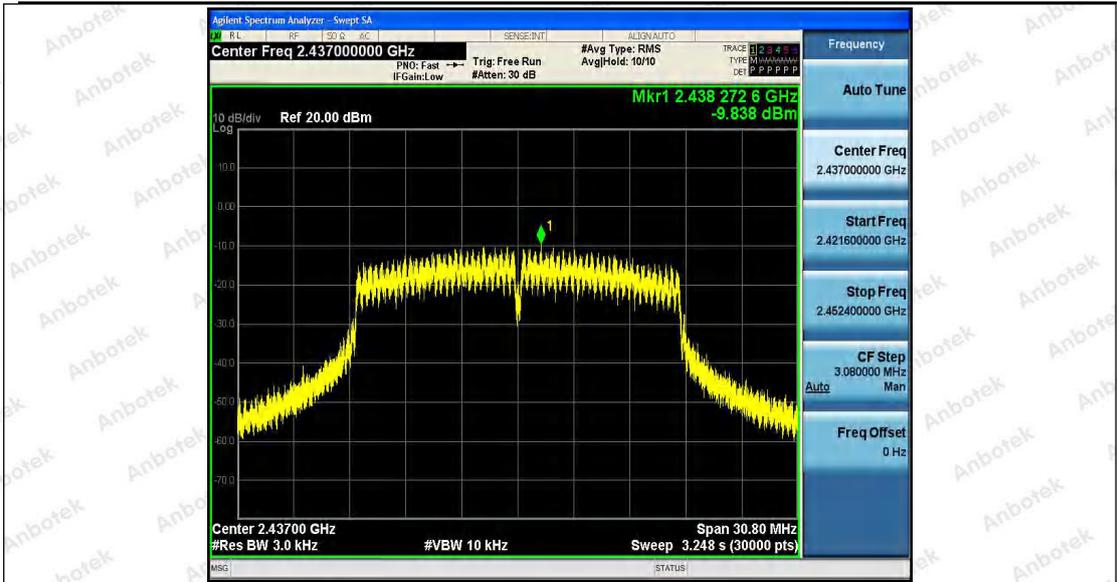
Hotline 400-003-0500  
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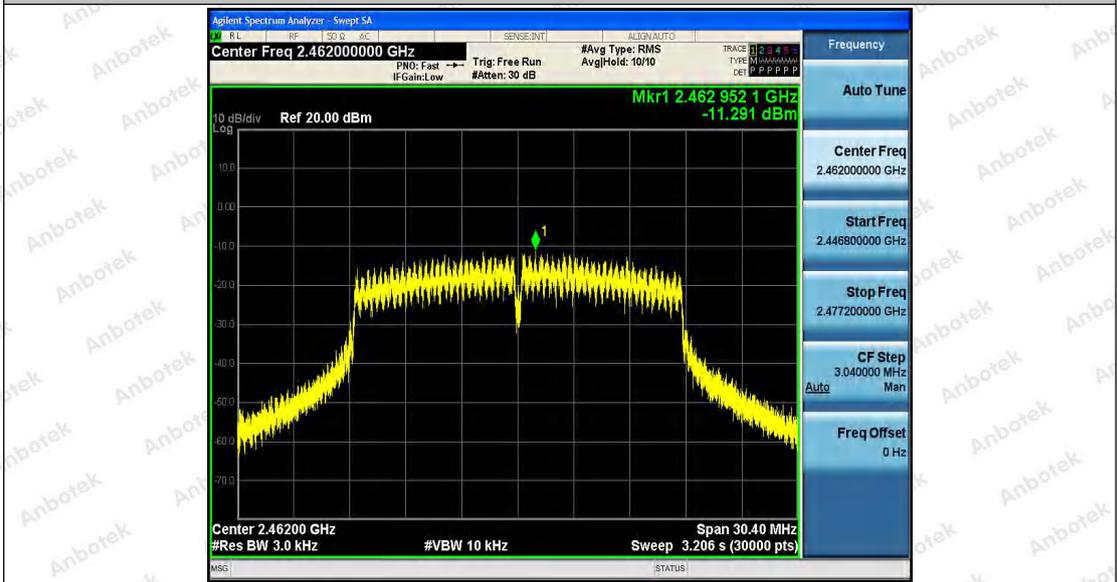
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## Appendix E: Band edge measurements

### Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	8.49	-29.99	≤-11.51	PASS
		High	2462	9.12	-45.25	≤-10.88	PASS
11G	Ant1	Low	2412	3.41	-32.35	≤-16.59	PASS
		High	2462	3.69	-39.41	≤-16.31	PASS
11N20	Ant1	Low	2412	2.11	-32.59	≤-17.9	PASS
		High	2462	2.43	-43.08	≤-17.58	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	8.77	8.77	---	PASS
			30~1000	8.77	-69.7	≤-11.24	PASS
			1000~26500	8.77	-44.04	≤-11.24	PASS
		2437	Reference	11.00	11.00	---	PASS
			30~1000	11.00	-69.77	≤-9	PASS
			1000~26500	11.00	-40.54	≤-9	PASS
		2462	Reference	8.80	8.80	---	PASS
			30~1000	8.80	-69.94	≤-11.2	PASS
			1000~26500	8.80	-45.52	≤-11.2	PASS
11G	Ant1	2412	Reference	3.67	3.67	---	PASS
			30~1000	3.67	-69.95	≤-16.33	PASS
			1000~26500	3.67	-53.49	≤-16.33	PASS
		2437	Reference	5.98	5.98	---	PASS
			30~1000	5.98	-69.39	≤-14.02	PASS
			1000~26500	5.98	-48.5	≤-14.02	PASS
		2462	Reference	2.99	2.99	---	PASS
			30~1000	2.99	-70.47	≤-17.01	PASS
			1000~26500	2.99	-52.77	≤-17.01	PASS
11N20	Ant1	2412	Reference	1.18	1.18	---	PASS
			30~1000	1.18	-70.04	≤-18.82	PASS
			1000~26500	1.18	-54.93	≤-18.82	PASS
		2437	Reference	4.11	4.11	---	PASS
			30~1000	4.11	-69.82	≤-15.89	PASS
			1000~26500	4.11	-51.19	≤-15.89	PASS
		2462	Reference	2.81	2.81	---	PASS
			30~1000	2.81	-70.23	≤-17.2	PASS
			1000~26500	2.81	-53.77	≤-17.2	PASS

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## Test Graphs

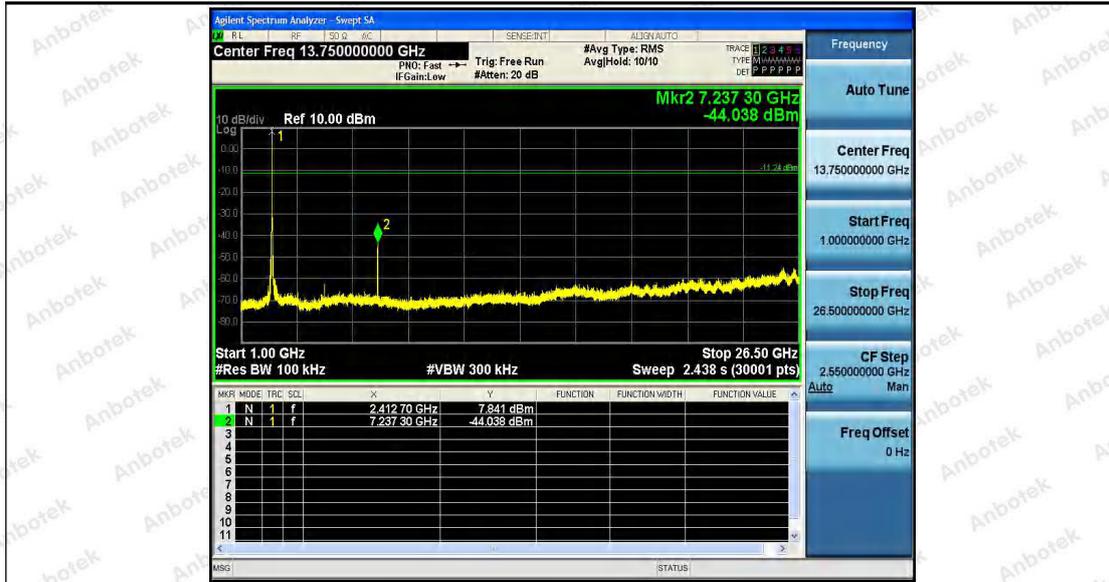


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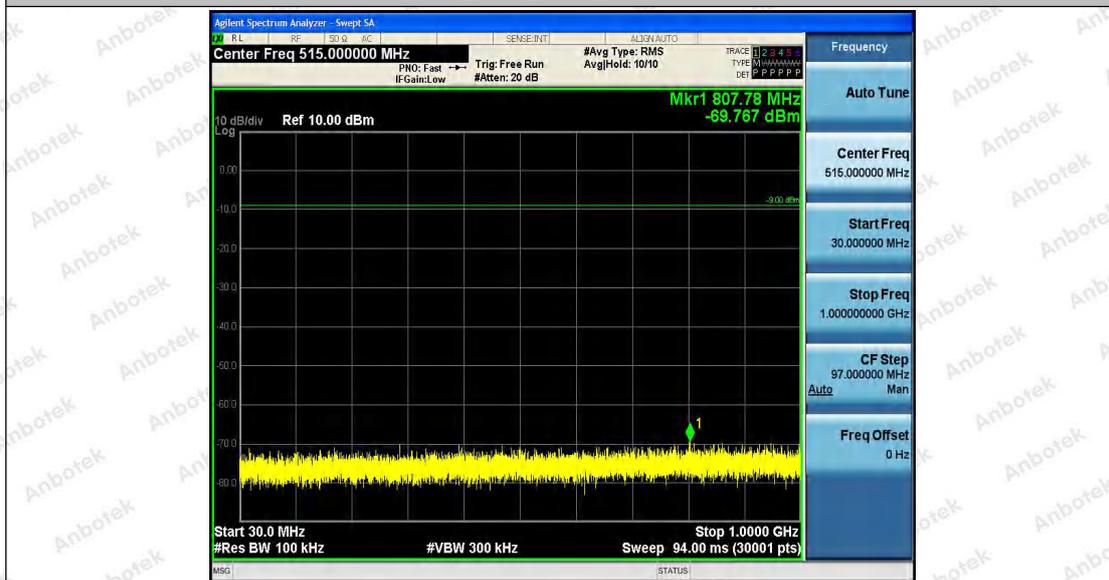
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11B\_Ant1\_2437\_0~Reference



11B\_Ant1\_2437\_30~1000

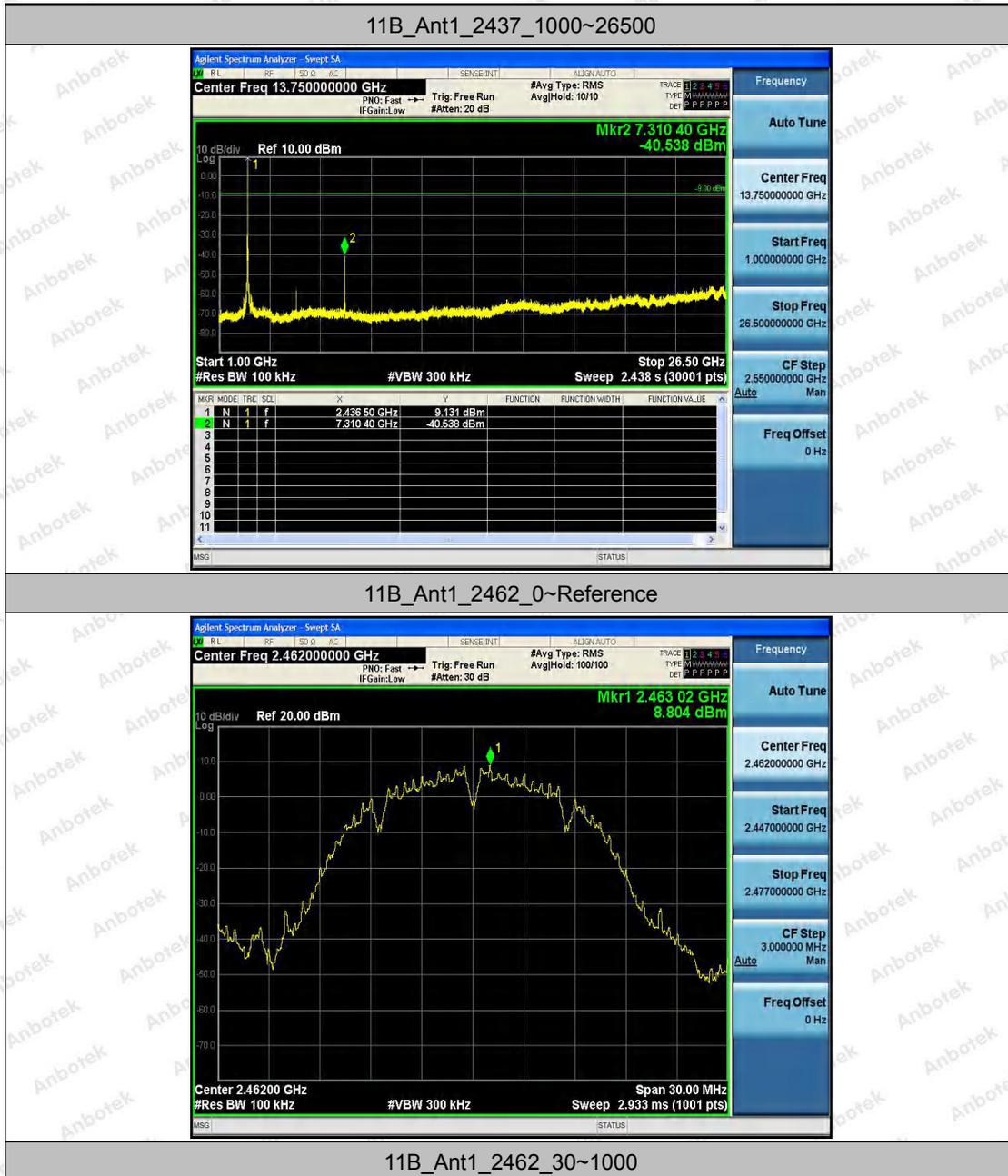


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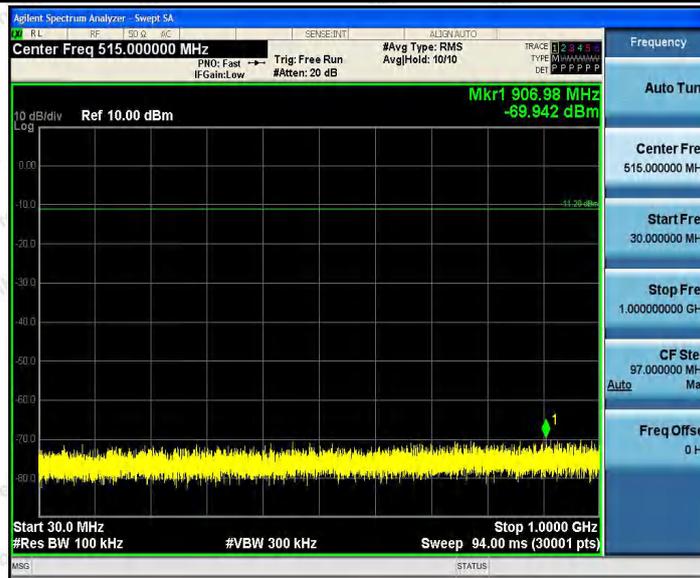


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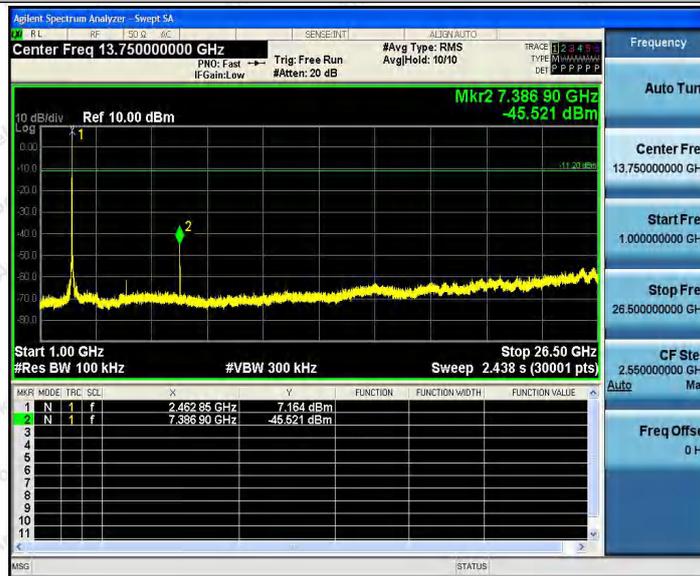
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11B\_Ant1\_2462\_1000~26500



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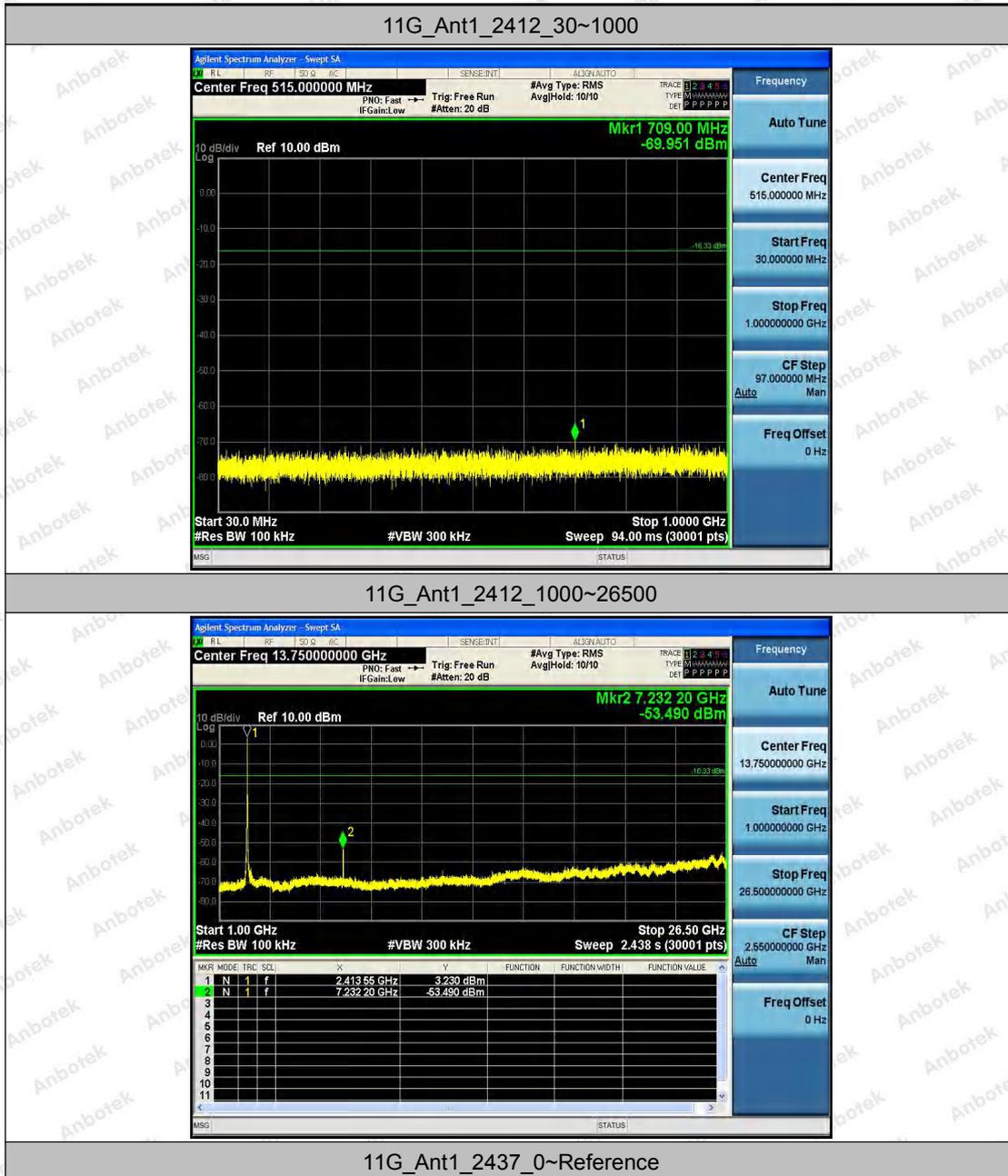


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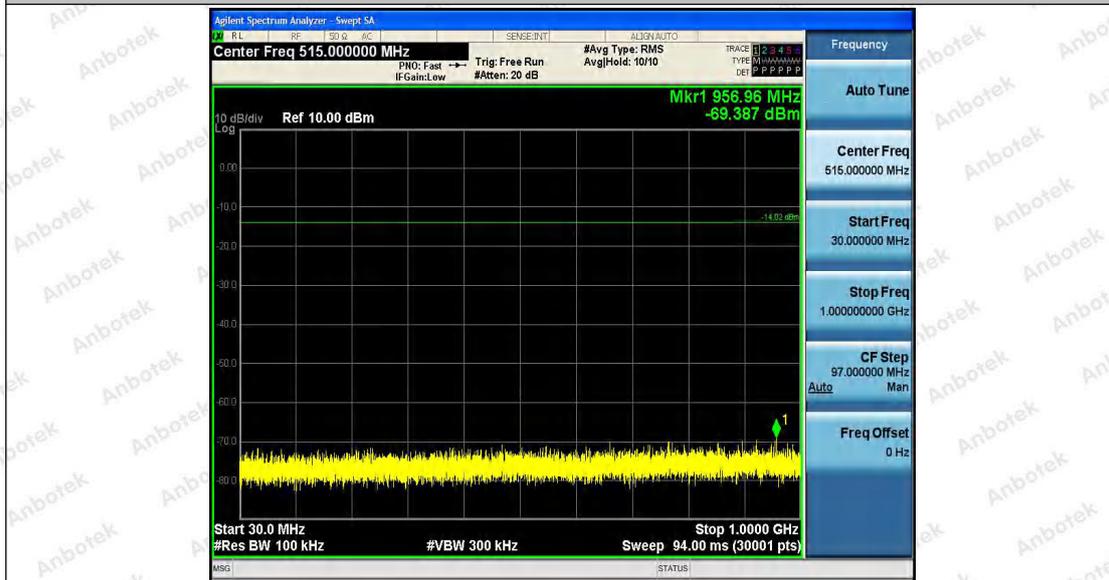
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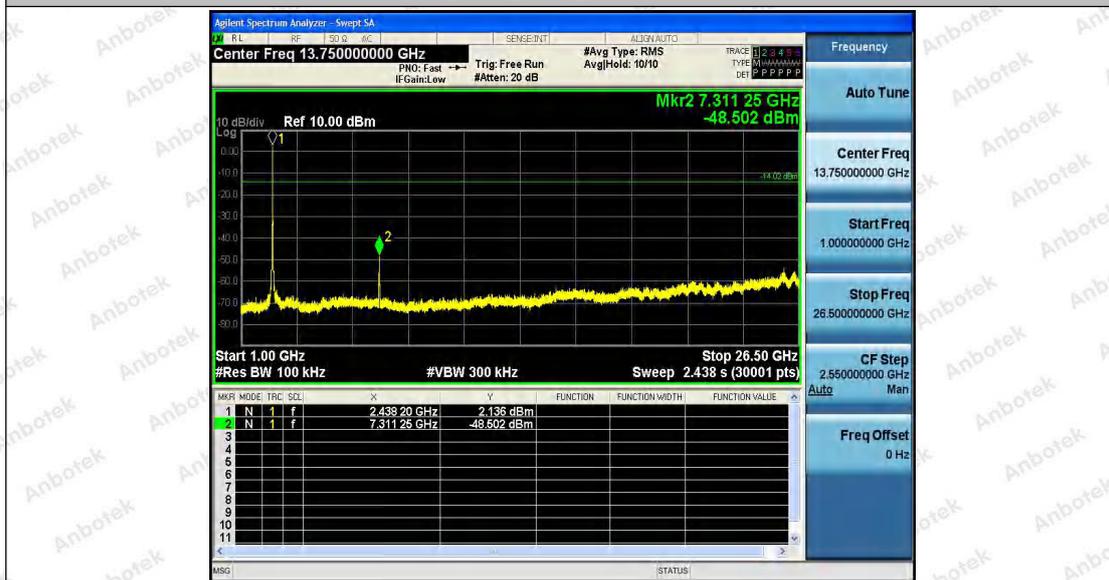
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11G\_Ant1\_2437\_30~1000



11G\_Ant1\_2437\_1000~26500

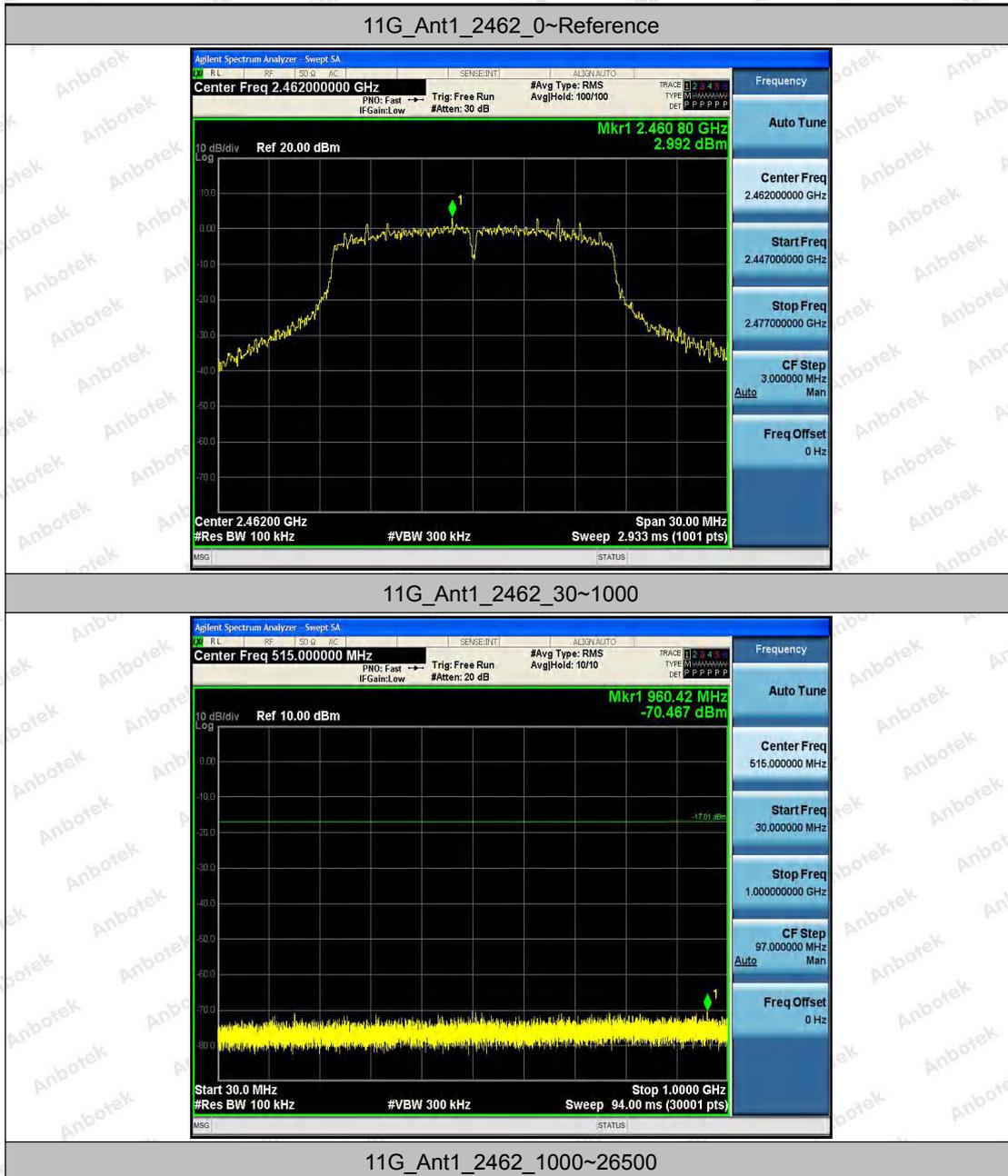


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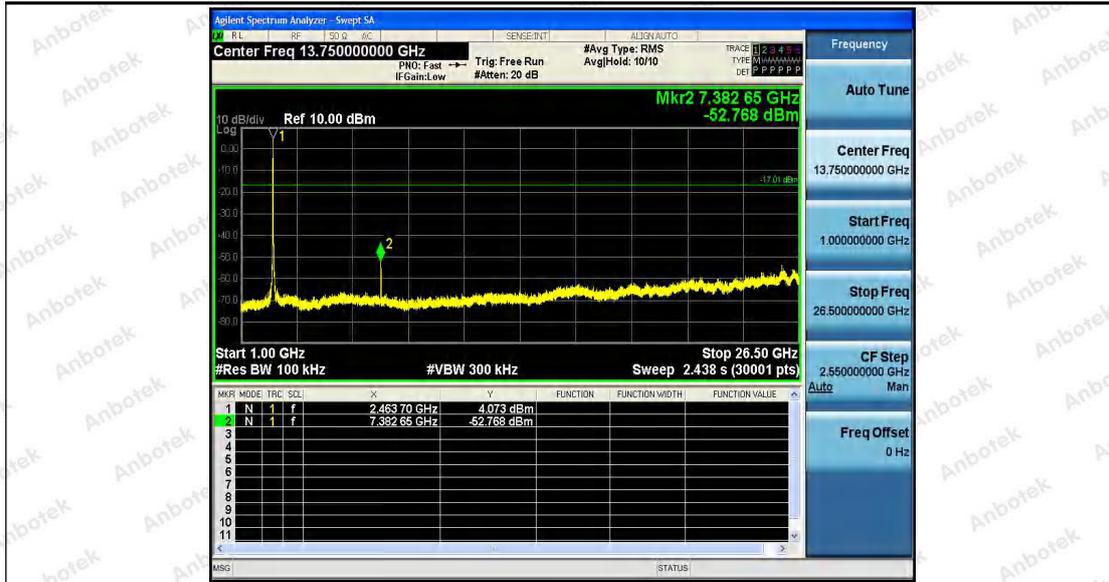
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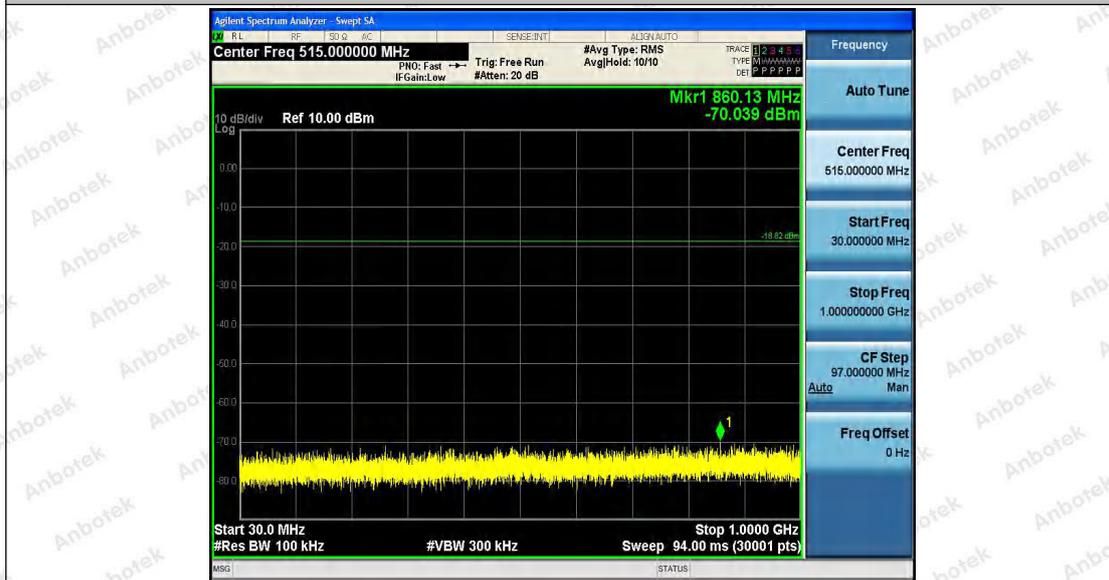
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11N20\_Ant1\_2412\_30~1000

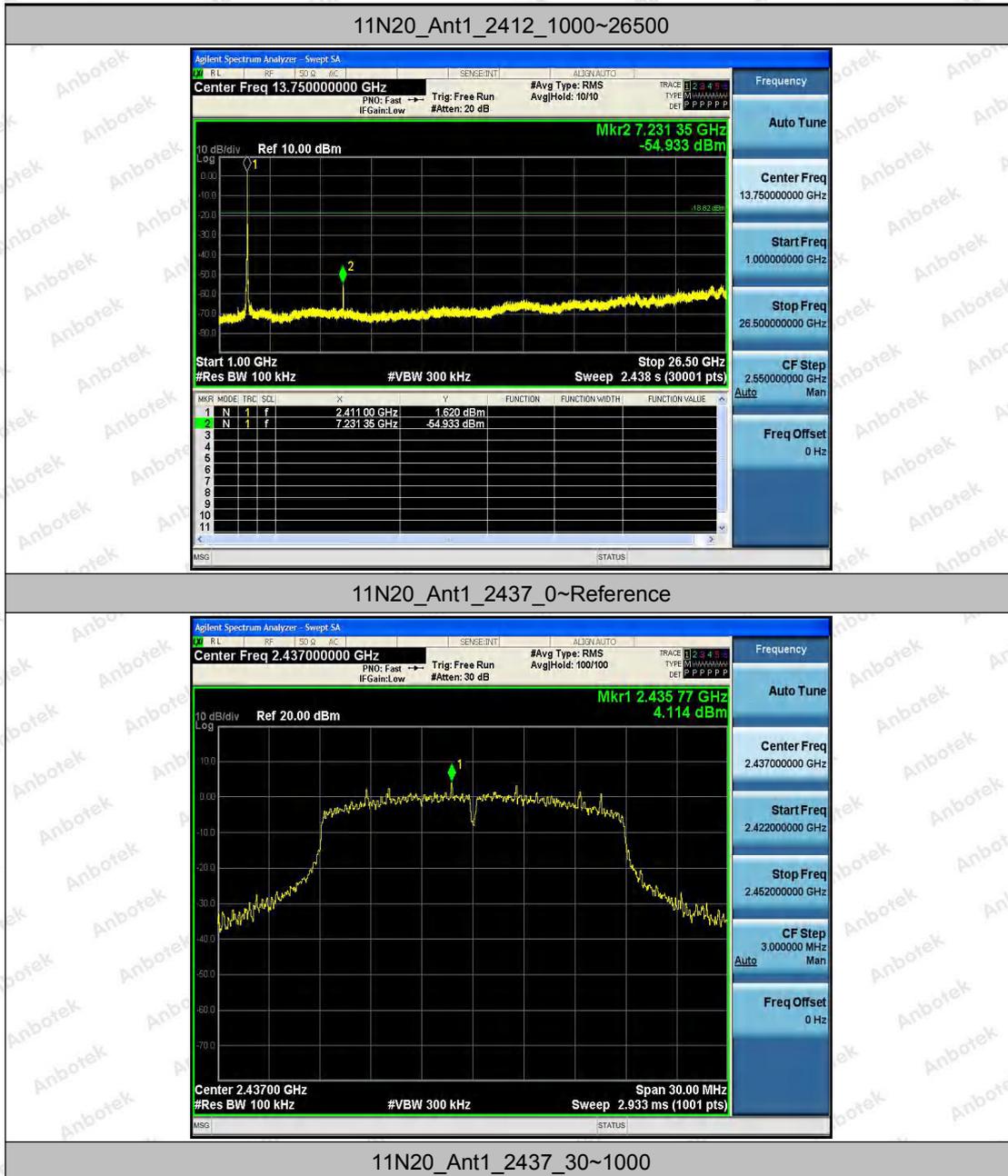


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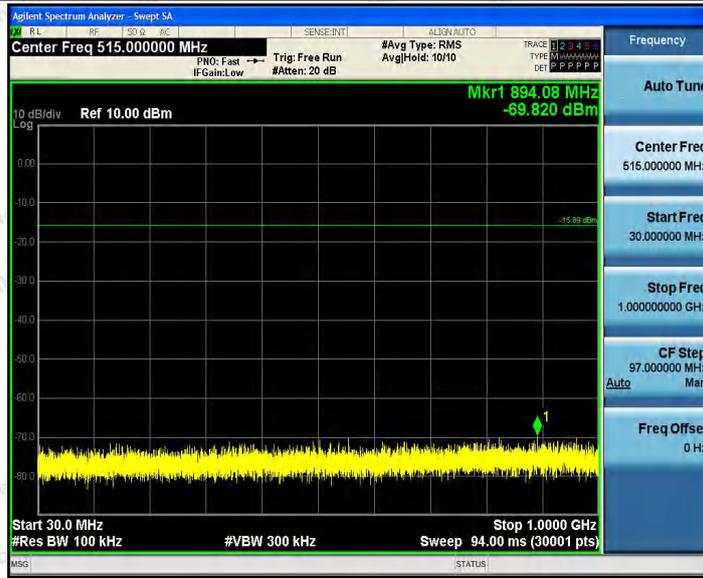


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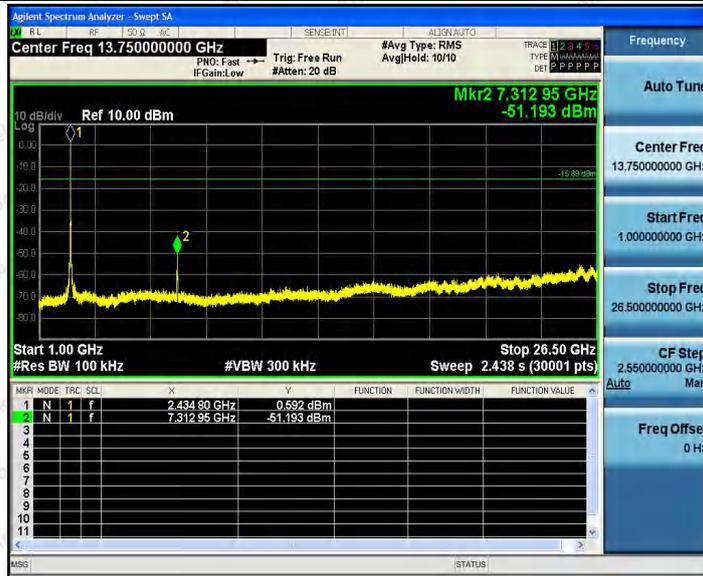
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11N20\_Ant1\_2437\_1000~26500



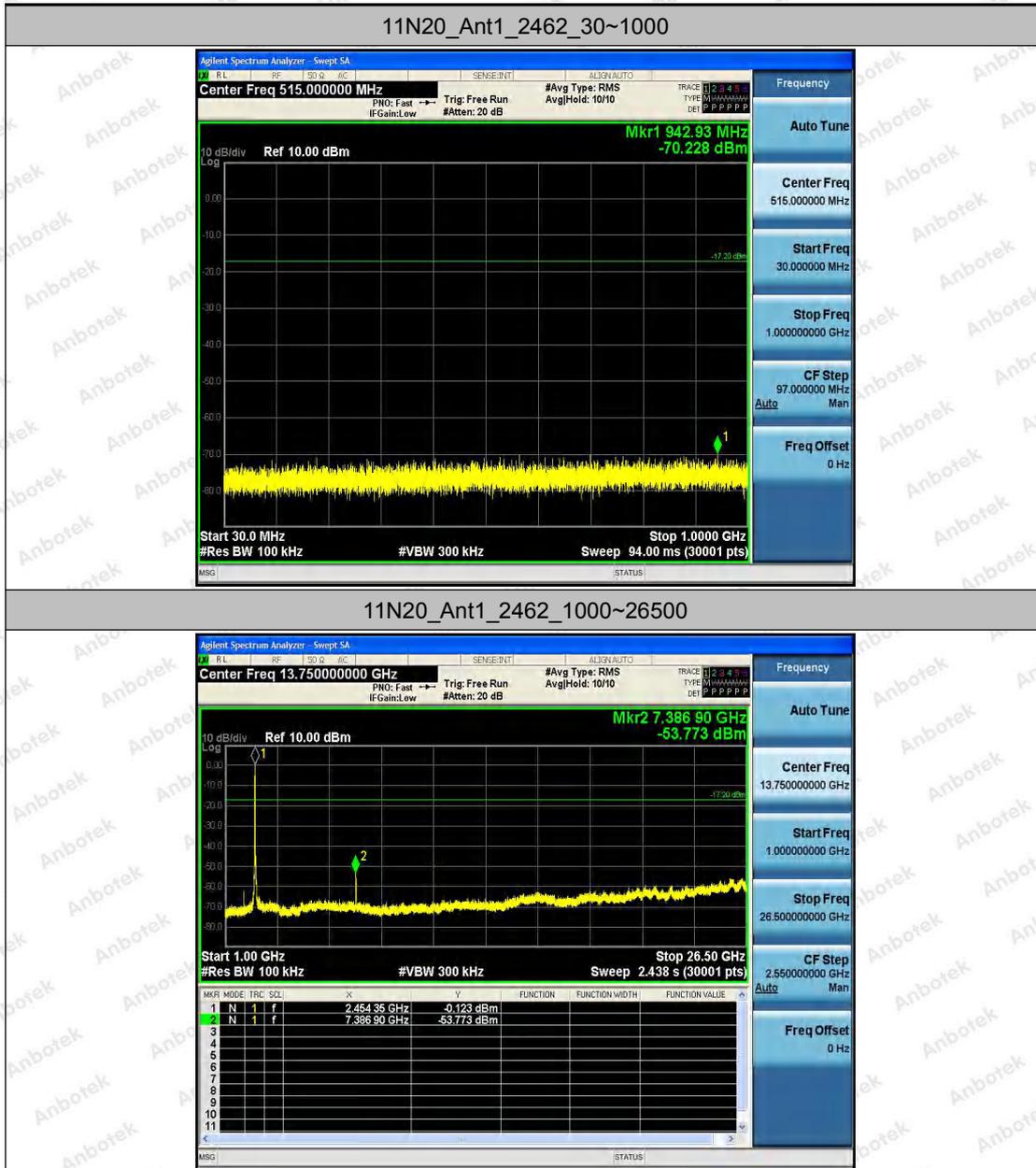
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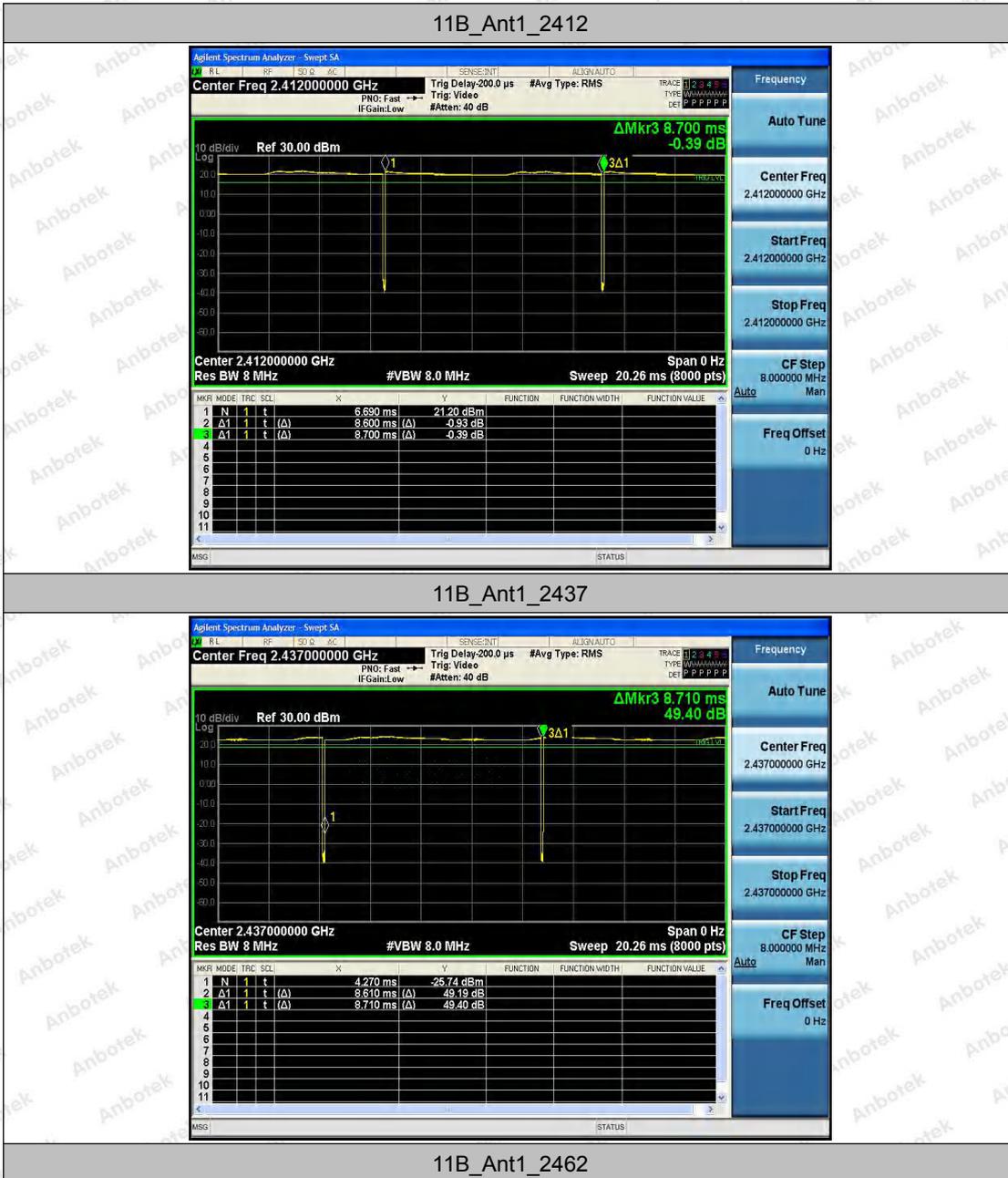
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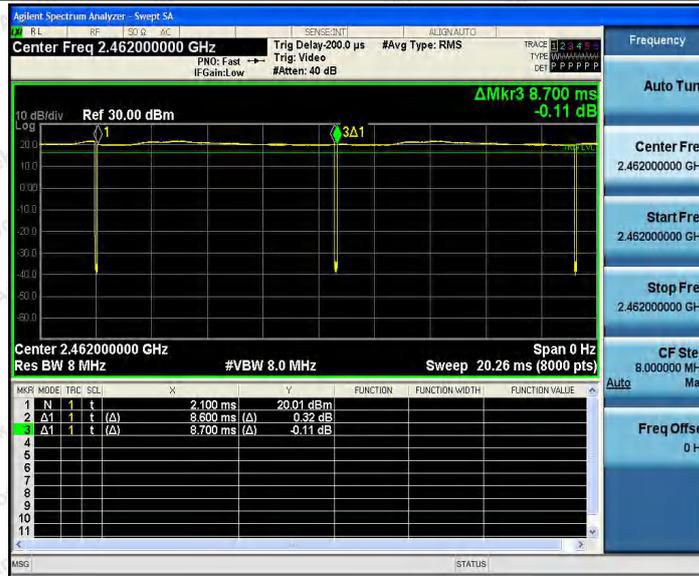
## Appendix G: Duty Cycle

### Test Result

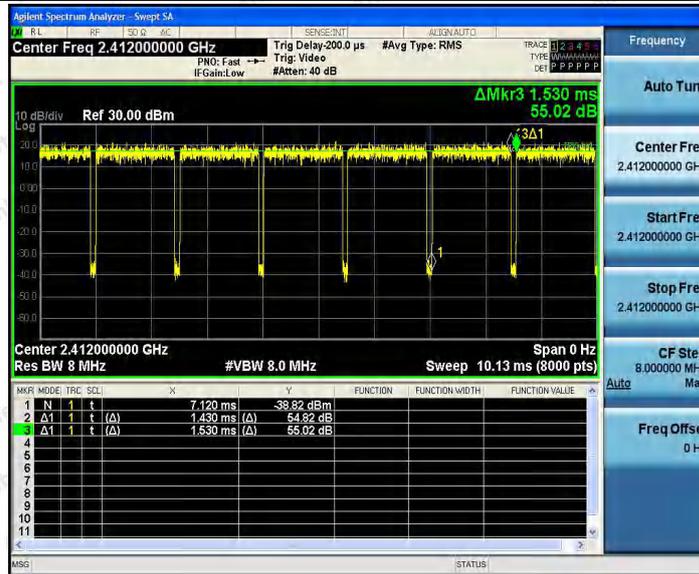
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	8.60	8.70	98.85	---	PASS
		2437	8.61	8.71	98.85	---	PASS
		2462	8.60	8.70	98.85	---	PASS
11G	Ant1	2412	1.43	1.53	93.46	---	PASS
		2437	1.43	1.53	93.46	---	PASS
		2462	1.43	1.53	93.46	---	PASS
11N20	Ant1	2412	1.34	1.44	93.06	---	PASS
		2437	1.33	1.43	93.01	---	PASS
		2462	1.33	1.43	93.01	---	PASS

## Test Graphs

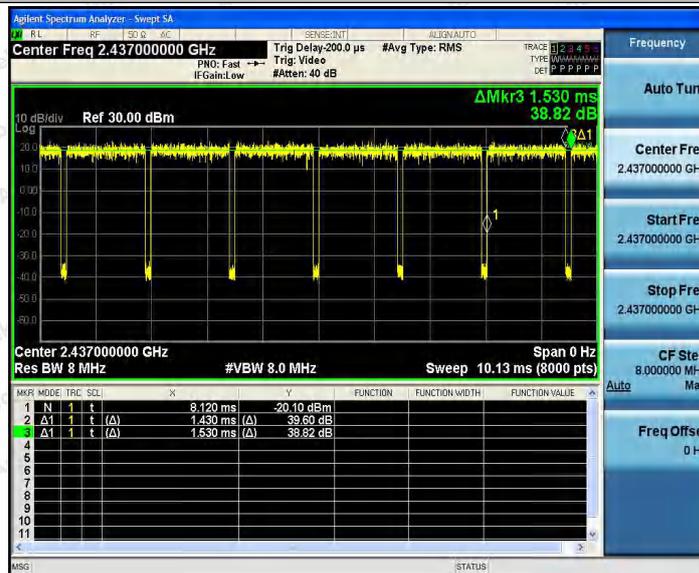




11G\_Ant1\_2412



11G\_Ant1\_2437

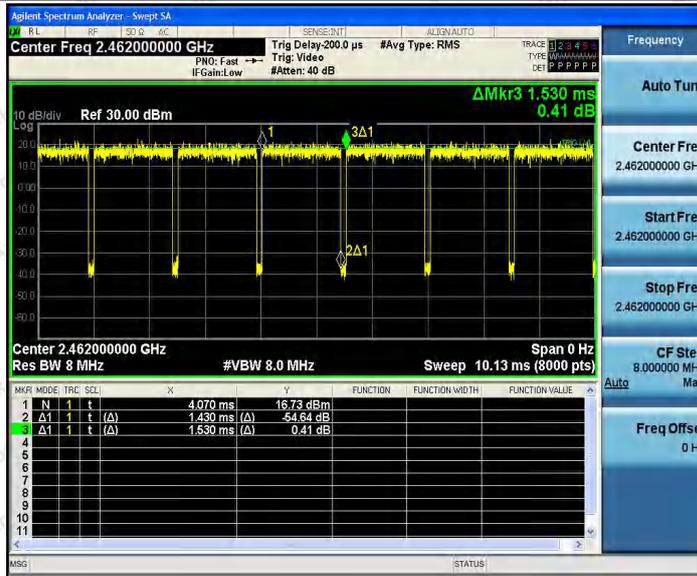


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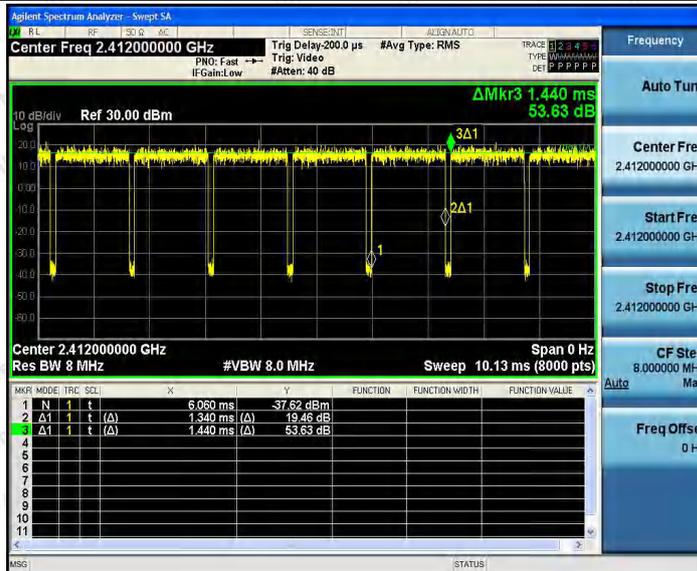
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11G\_Ant1\_2462



11N20\_Ant1\_2412



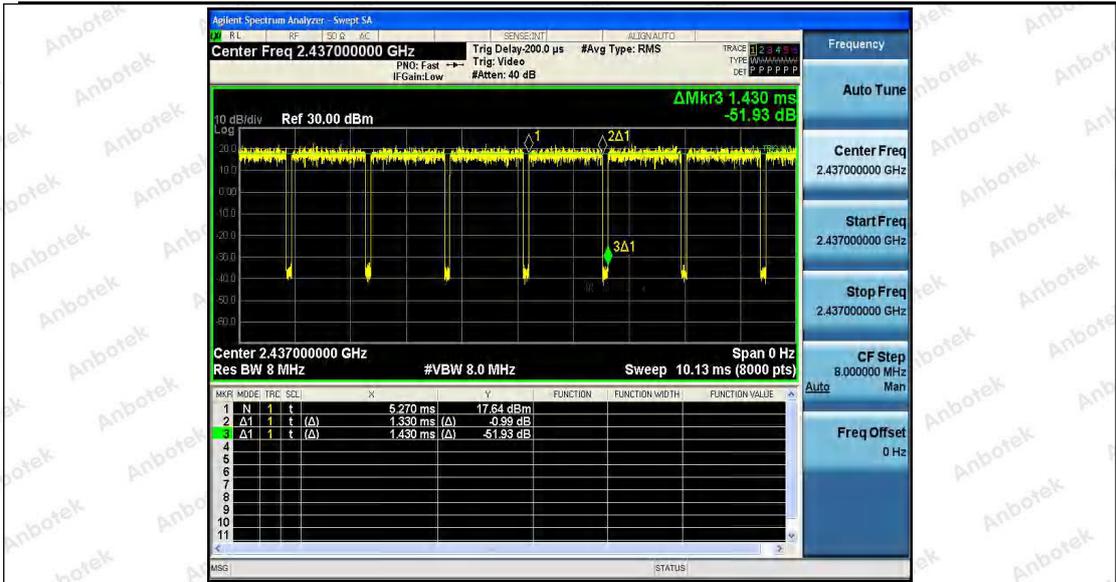
11N20\_Ant1\_2437

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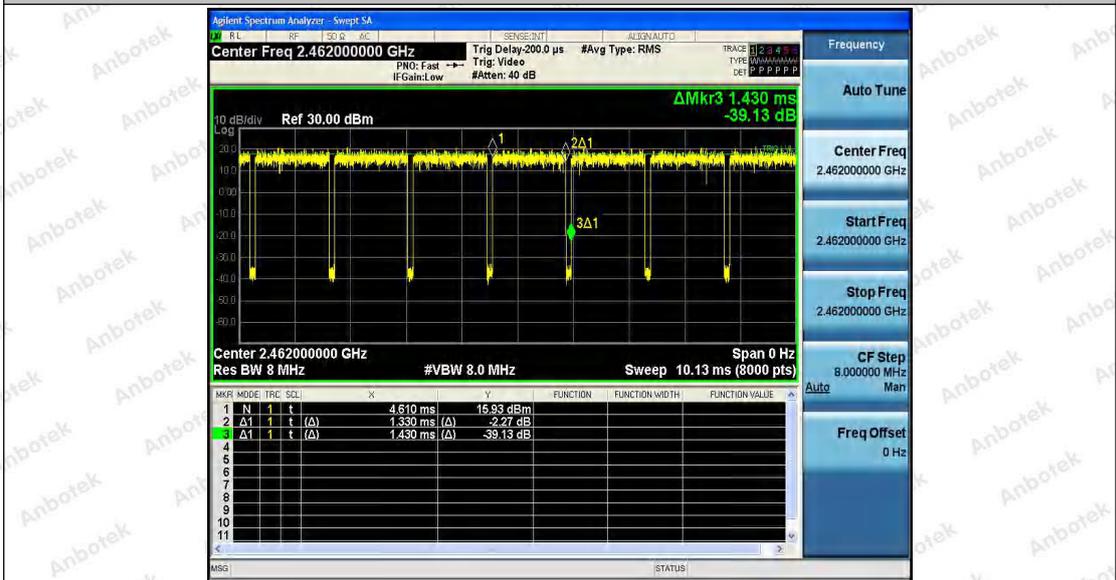
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---End---