

## Appendix Test Data

Report No.:	18220WC20207002	Test Sample No.:	1-2-2
Start Test Date:	2022.9.5	Finish Test Date:	2022.9.9
Test Engineer:	<i>Tomy He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	27.3°C	Relative Humidity:	47 %
Pressure:	1012 hPa		

## Appendix A: DTS Bandwidth

## Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.040	2407.480	2416.520	0.5	PASS
		2437	9.040	2432.520	2441.560	0.5	PASS
		2462	9.520	2457.480	2467.000	0.5	PASS
11G	Ant1	2412	16.360	2403.840	2420.200	0.5	PASS
		2437	16.360	2428.840	2445.200	0.5	PASS
		2462	16.320	2453.840	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.560	2403.240	2420.800	0.5	PASS
		2437	17.560	2428.240	2445.800	0.5	PASS
		2462	17.600	2453.200	2470.800	0.5	PASS

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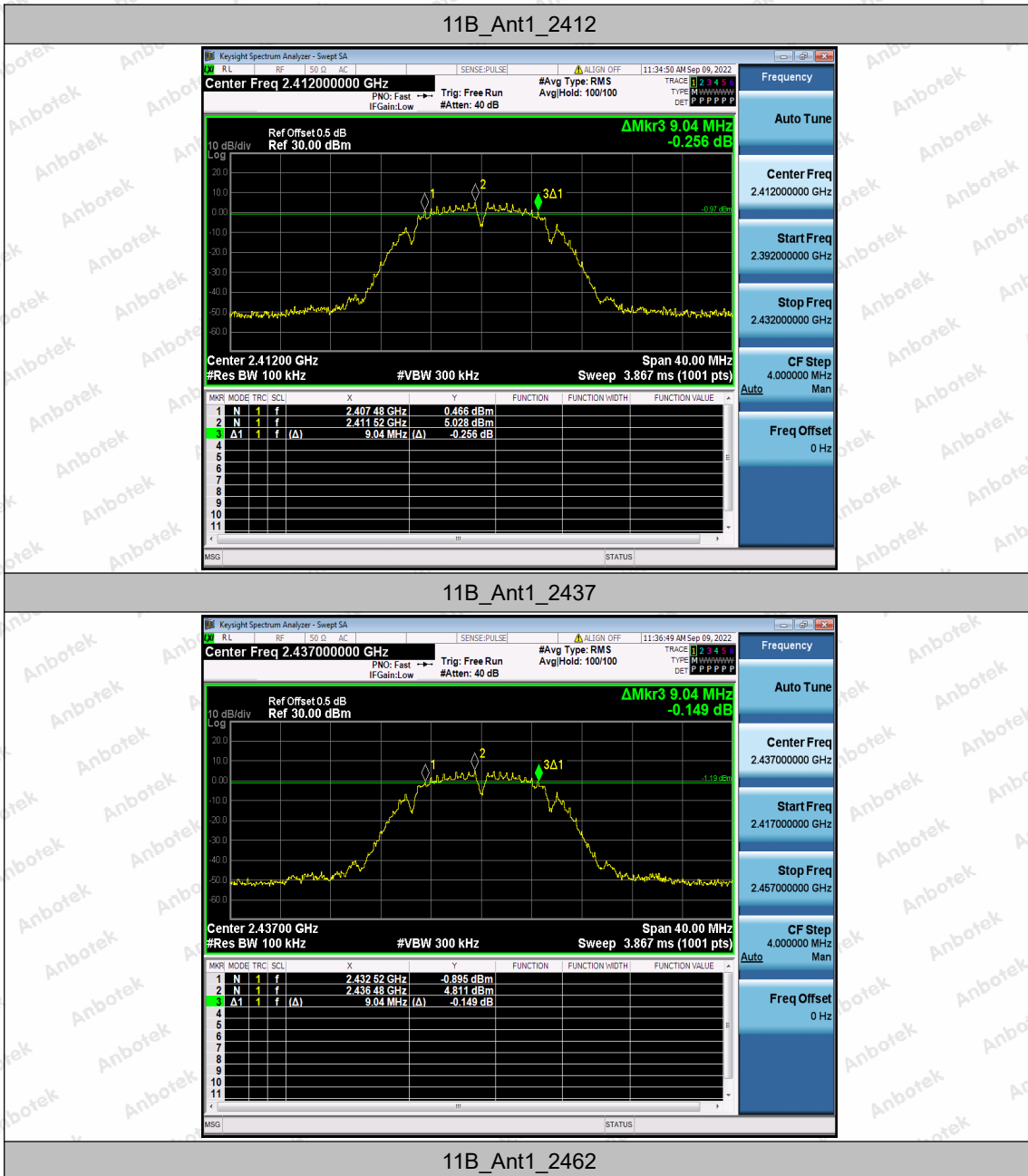
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## Test Graphs



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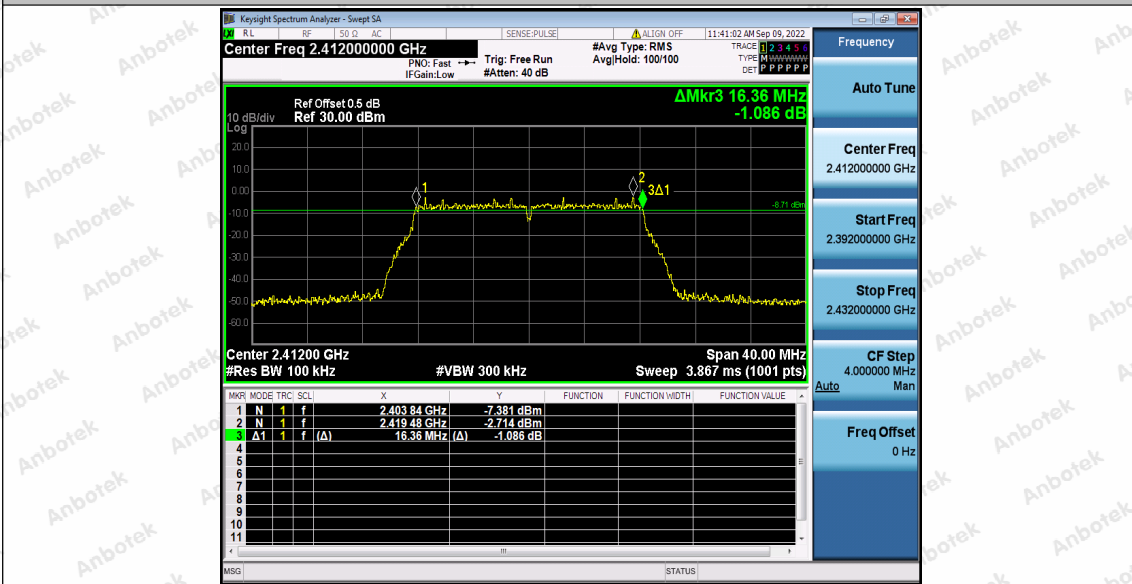
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11G\_Ant1\_2412



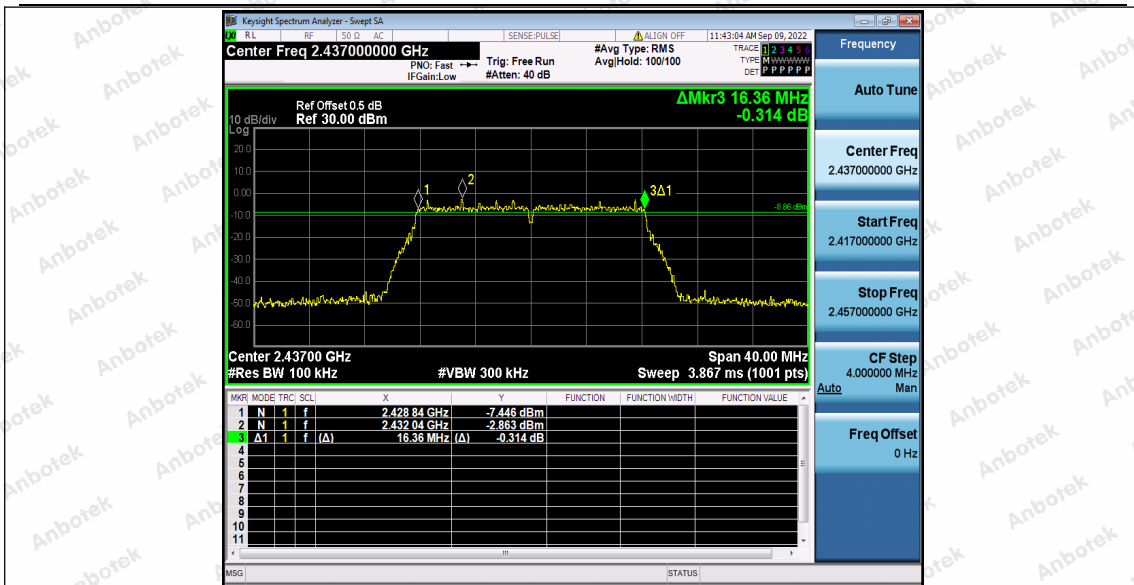
11G\_Ant1\_2437

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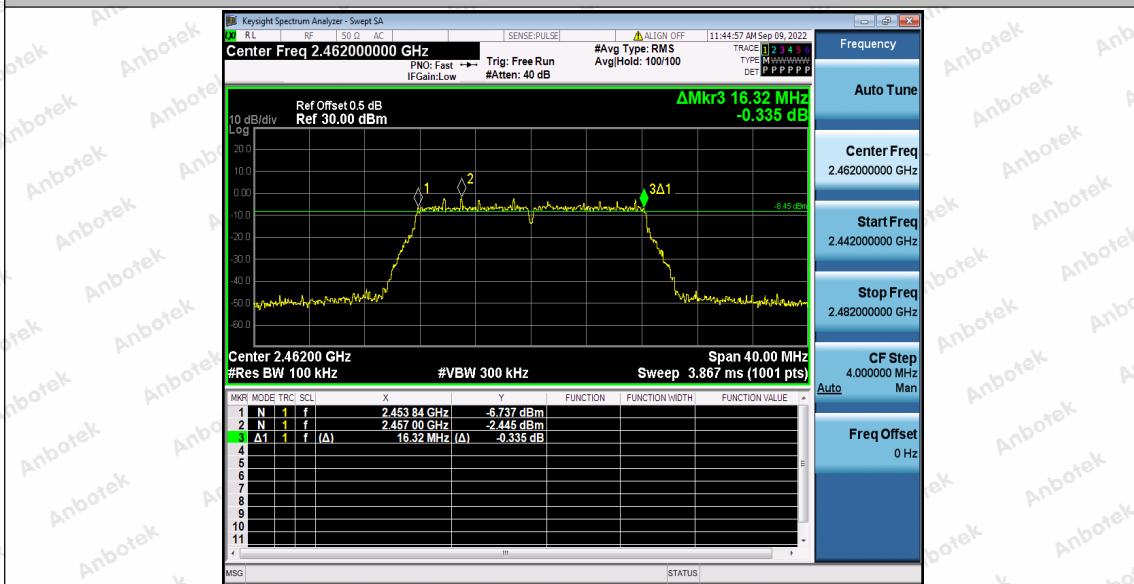
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11G\_Ant1\_2462



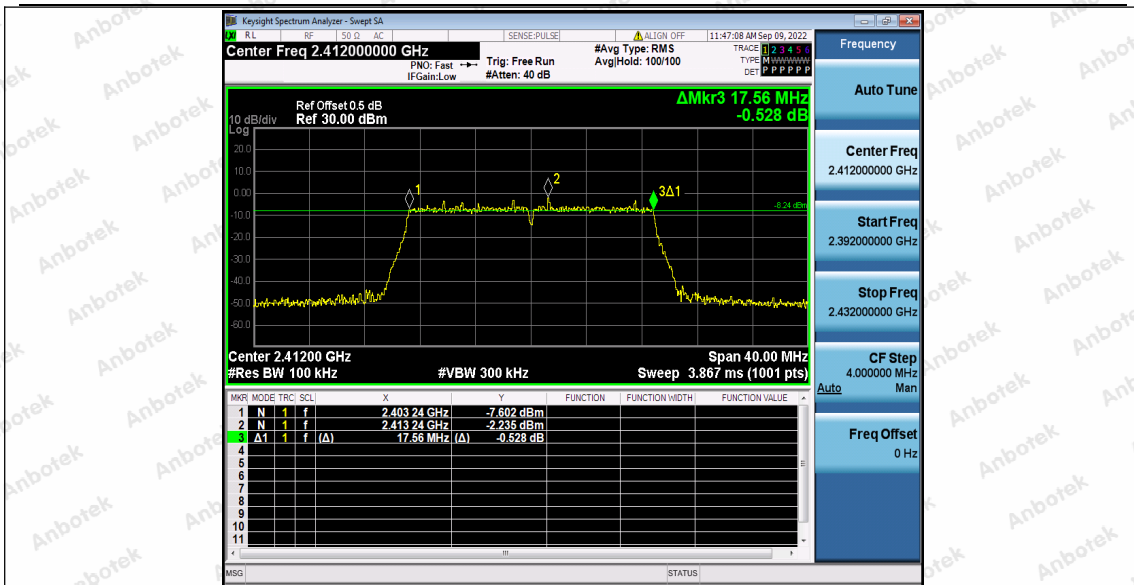
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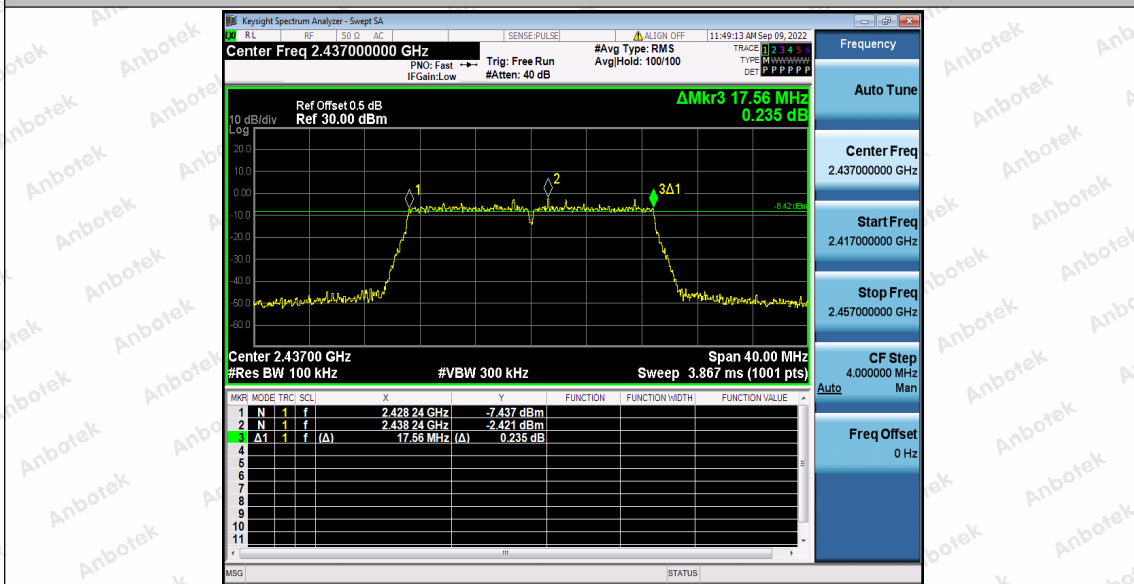
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11N20SISO\_Ant1\_2437



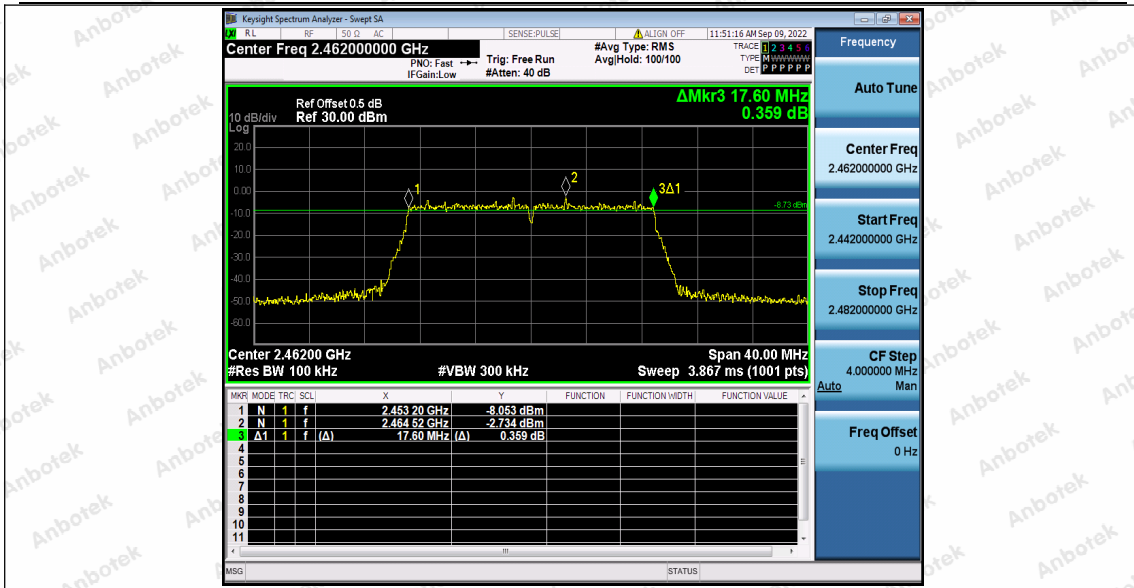
11N20SISO\_Ant1\_2462

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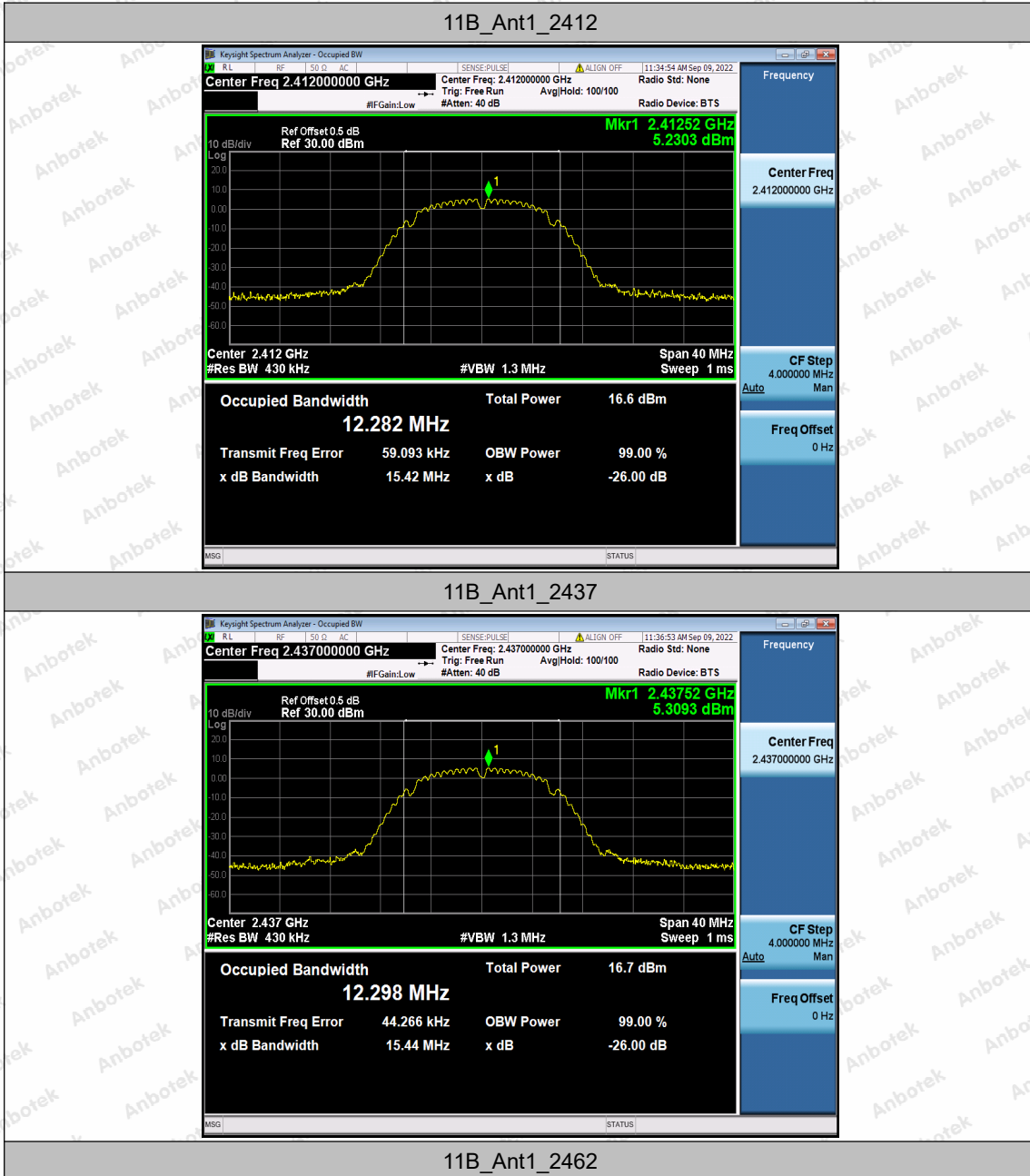
## Appendix B: Occupied Channel Bandwidth

### Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
11B	Ant1	2412	12.282	2405.9181	2418.2001
		2437	12.298	2430.8953	2443.1933
		2462	12.305	2455.8849	2468.1899
11G	Ant1	2412	17.027	2403.5248	2420.5518
		2437	17.103	2428.4698	2445.5728
		2462	17.079	2453.4960	2470.5750
11N20SISO	Ant1	2412	17.994	2403.0316	2421.0256
		2437	17.984	2428.0414	2446.0254
		2462	17.969	2453.0207	2470.9897



## Test Graphs



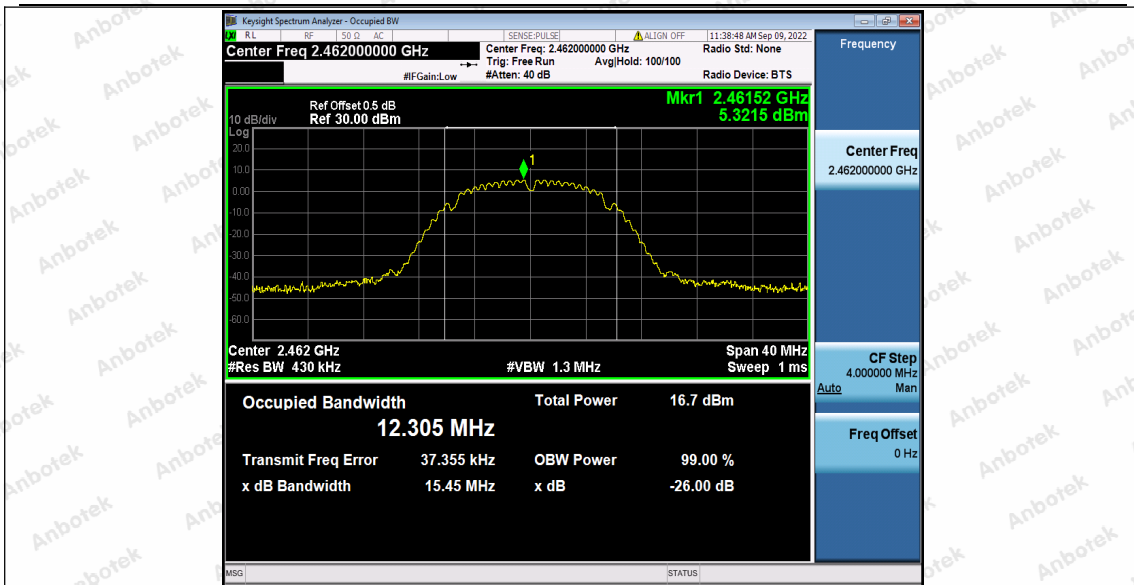
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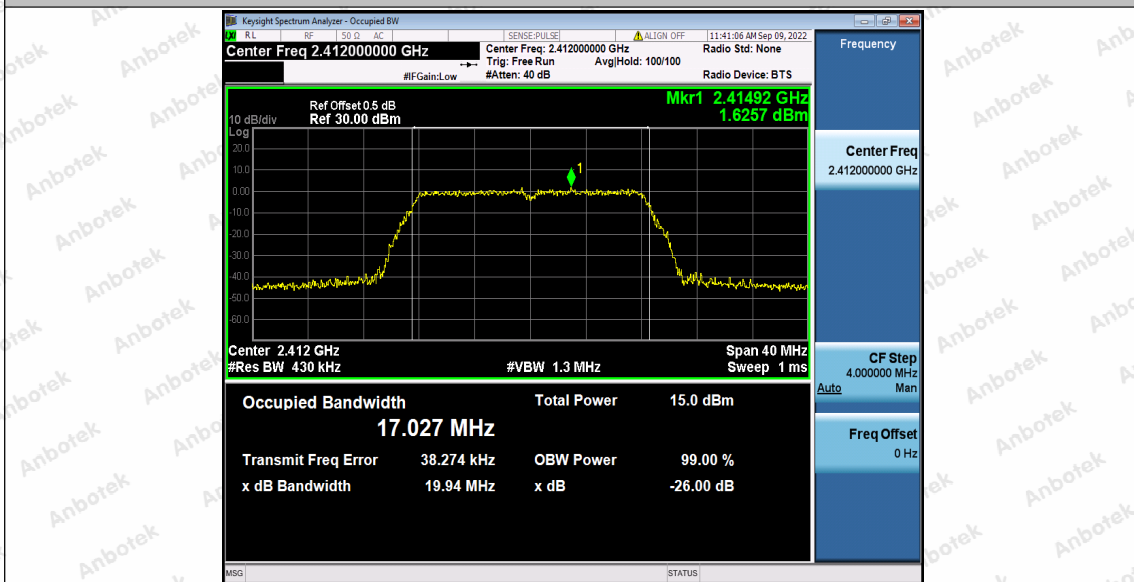
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11G\_Ant1\_2412



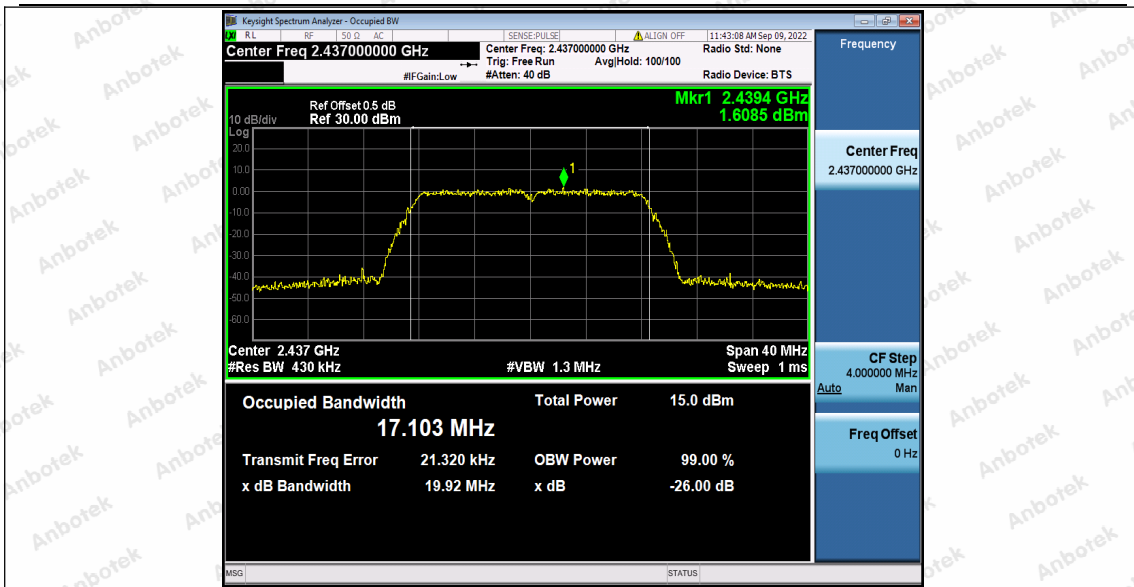
11G\_Ant1\_2437

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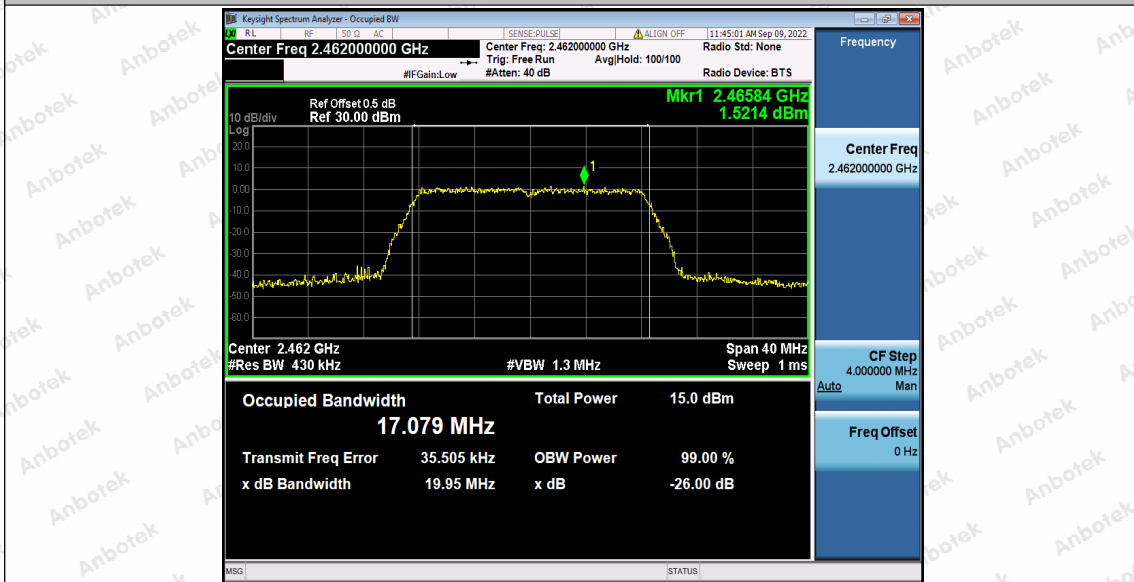
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11G\_Ant1\_2462



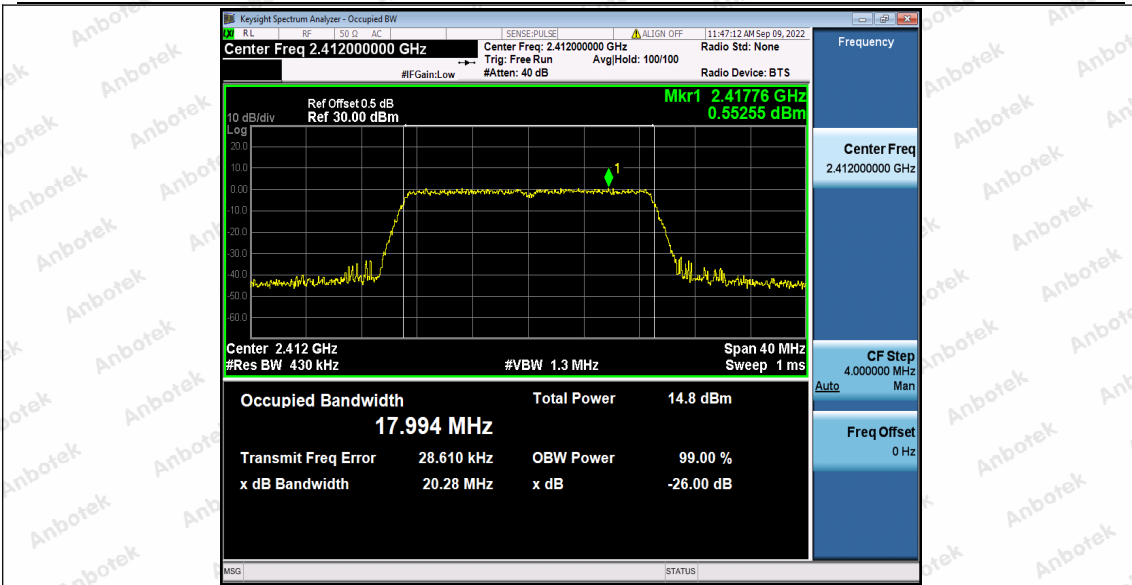
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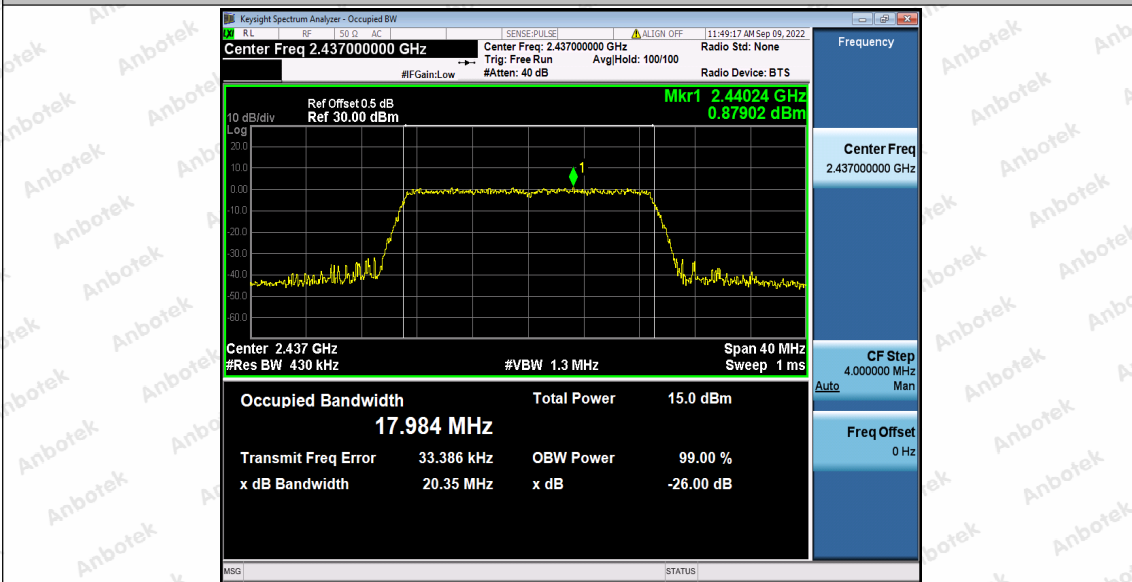
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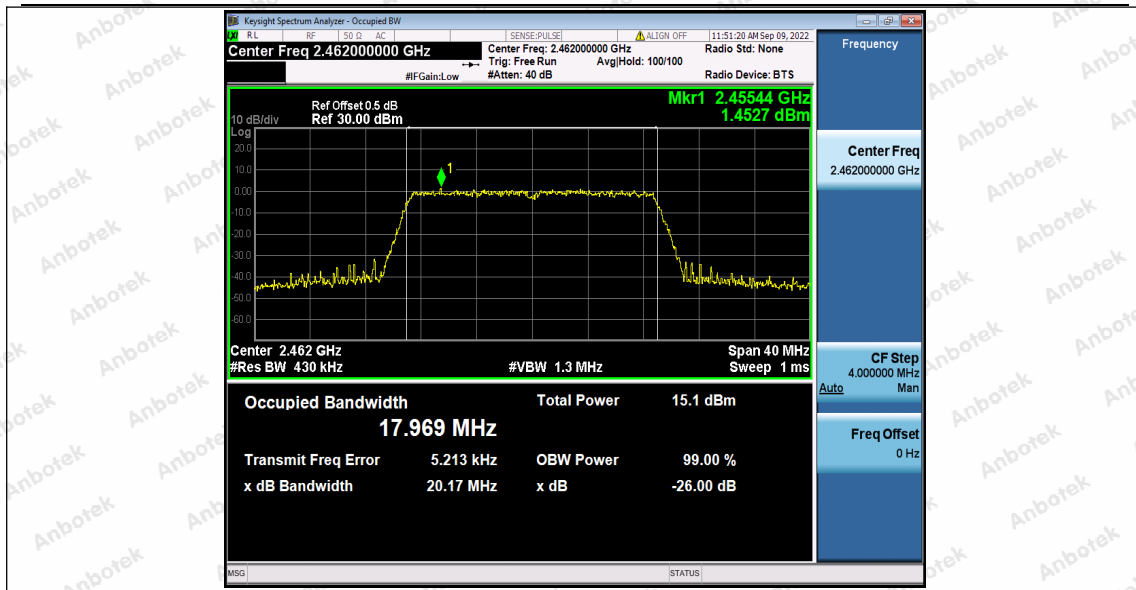
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## Appendix C: Maximum conducted output power

### Test Result Peak

TestMode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	16.26	≤30.00	PASS
		2437	16.32	≤30.00	PASS
		2462	16.44	≤30.00	PASS
11G	Ant1	2412	15.97	≤30.00	PASS
		2437	16.04	≤30.00	PASS
		2462	16.02	≤30.00	PASS
11N20SISO	Ant1	2412	16.16	≤30.00	PASS
		2437	16.02	≤30.00	PASS
		2462	16.16	≤30.00	PASS

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## Appendix D: Maximum power spectral density

### Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-8.87	≤8.00	PASS
		2437	-9.21	≤8.00	PASS
		2462	-6.68	≤8.00	PASS
11G	Ant1	2412	-16.5	≤8.00	PASS
		2437	-16.14	≤8.00	PASS
		2462	-15.23	≤8.00	PASS
11N20SISO	Ant1	2412	-16.23	≤8.00	PASS
		2437	-16.28	≤8.00	PASS
		2462	-16.61	≤8.00	PASS

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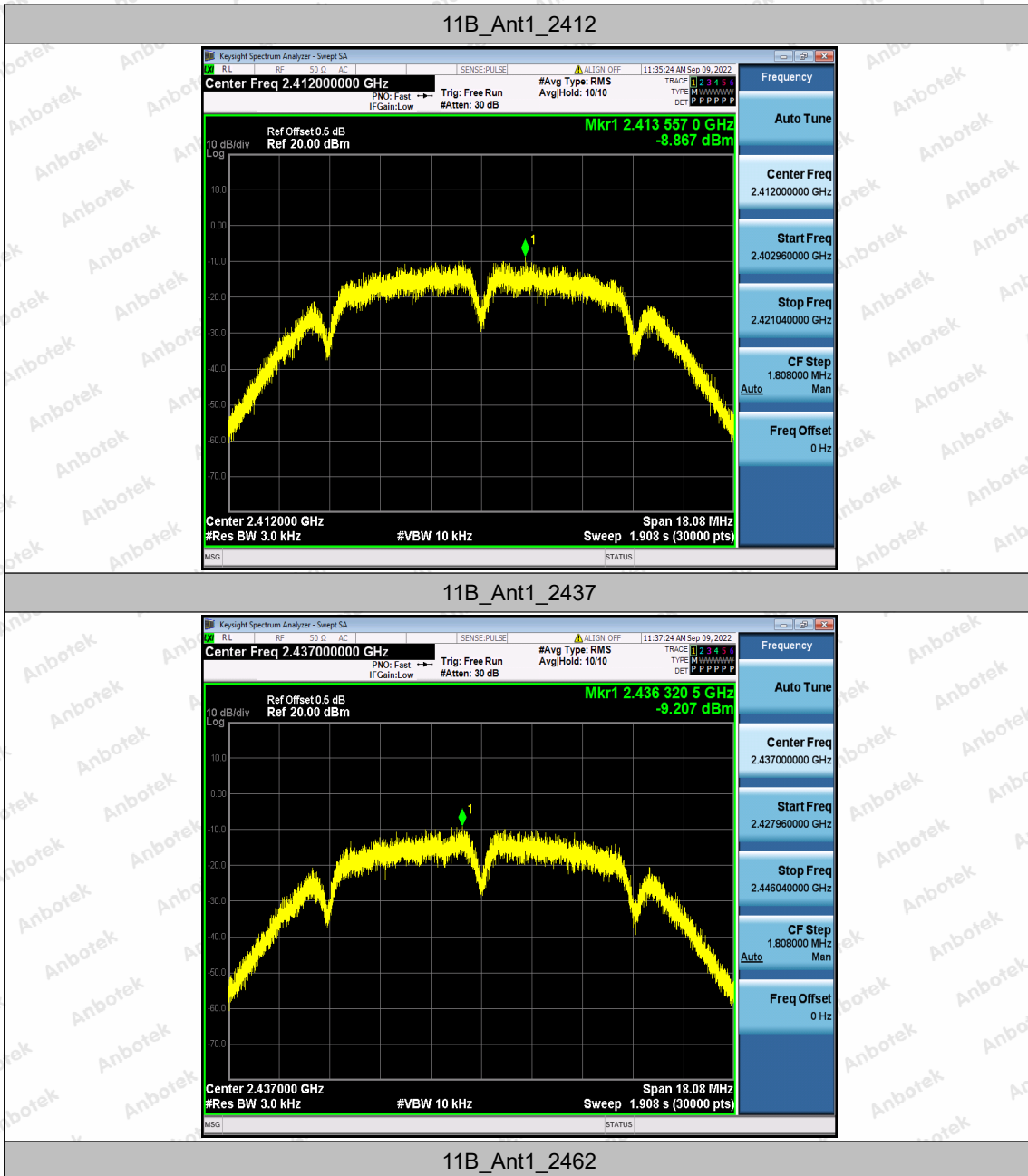
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## Test Graphs



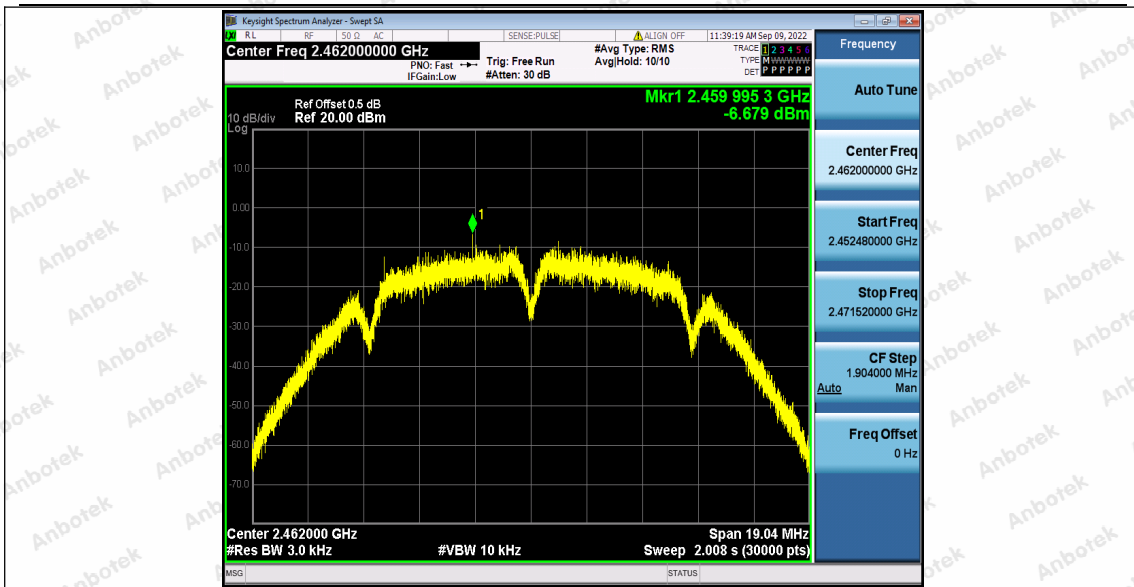
11B\_Ant1\_2462

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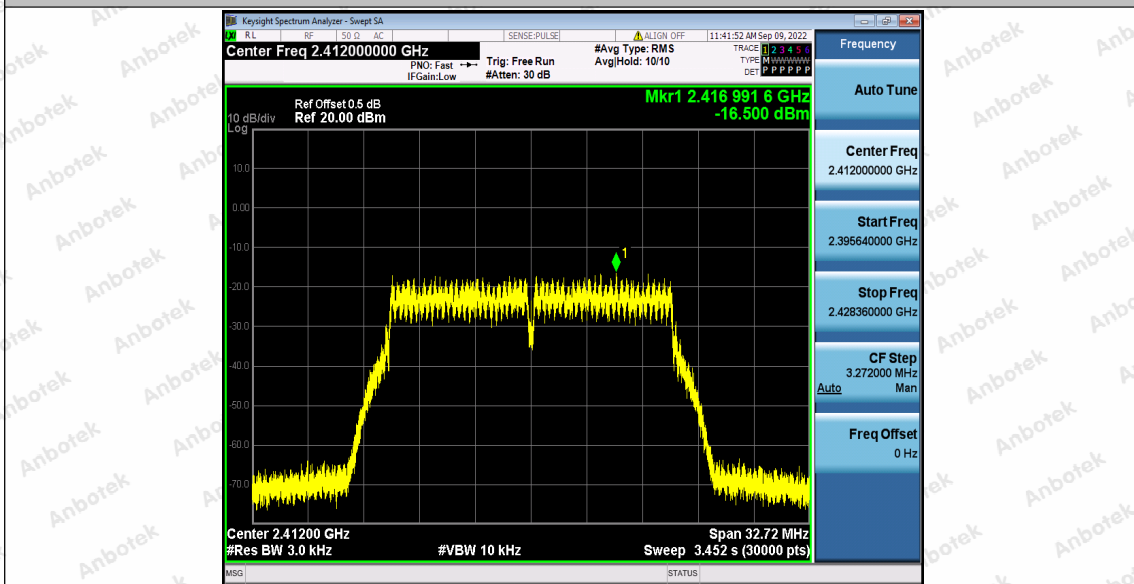
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11G\_Ant1\_2412



11G\_Ant1\_2437

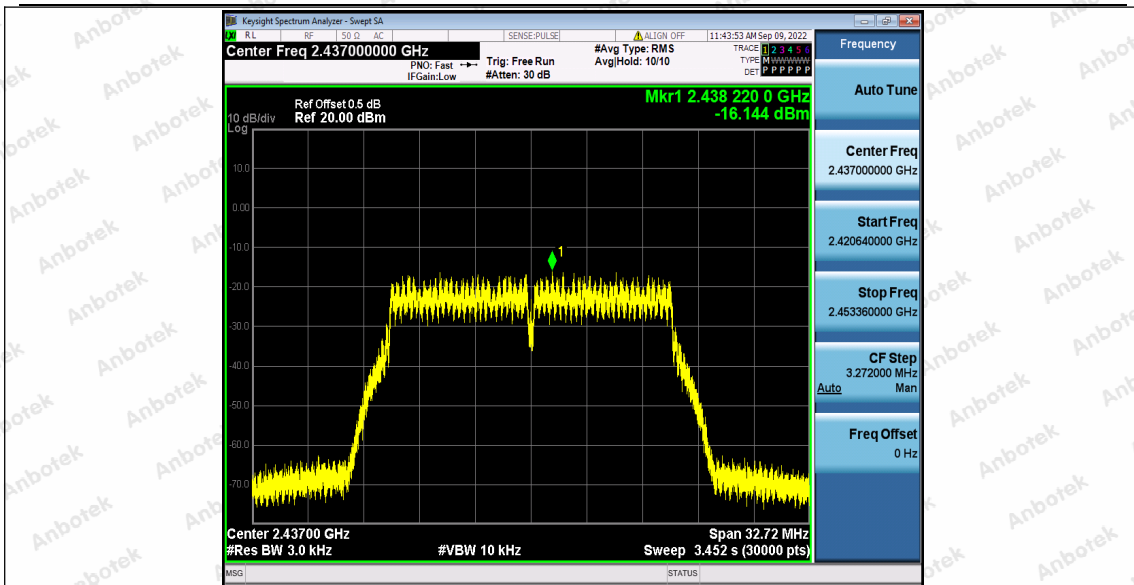
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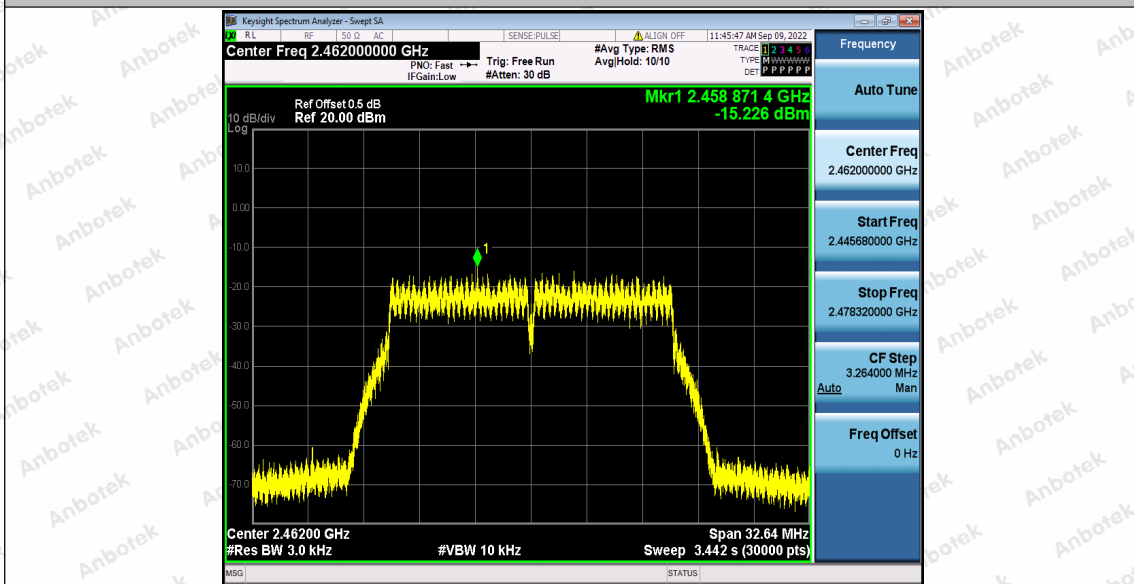
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11G\_Ant1\_2462



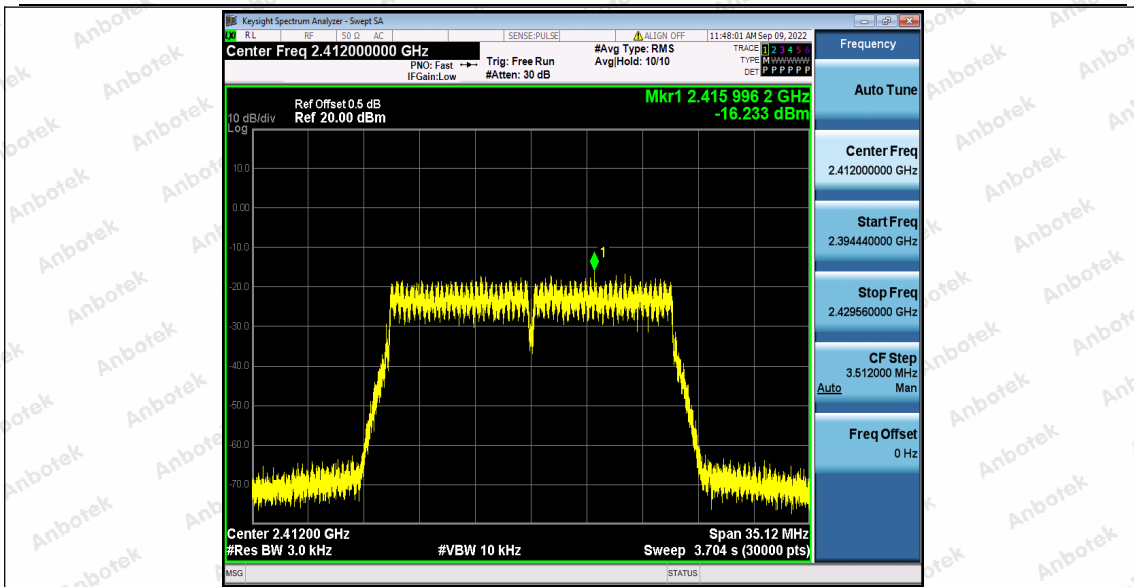
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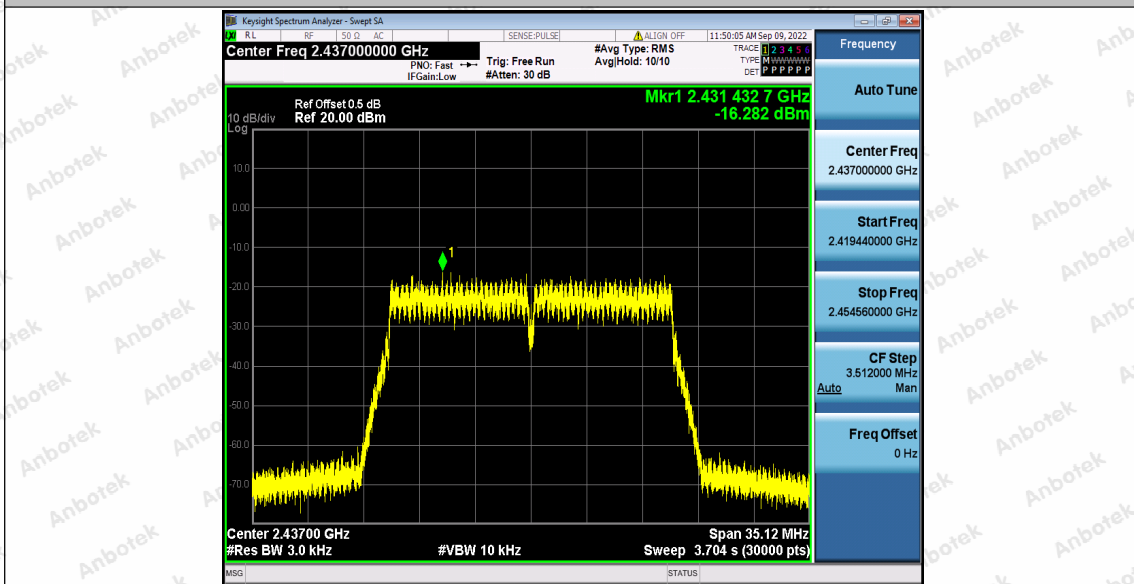
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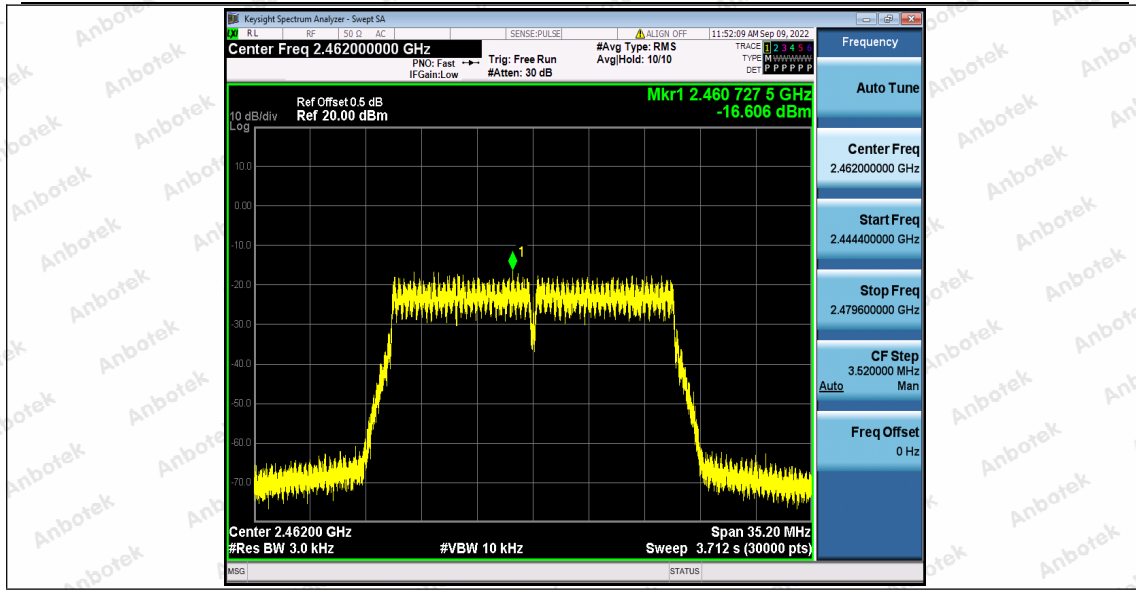
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## Appendix E: Band edge measurements

### Test Result

TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.67	-48.75	≤-15.33	PASS
		High	2462	4.28	-55.01	≤-15.72	PASS
11G	Ant1	Low	2412	-2.63	-48.27	≤-22.63	PASS
		High	2462	-2.32	-53.95	≤-22.32	PASS
11N20SISO	Ant1	Low	2412	-2.74	-45.86	≤-22.74	PASS
		High	2462	-2.72	-53.63	≤-22.72	PASS

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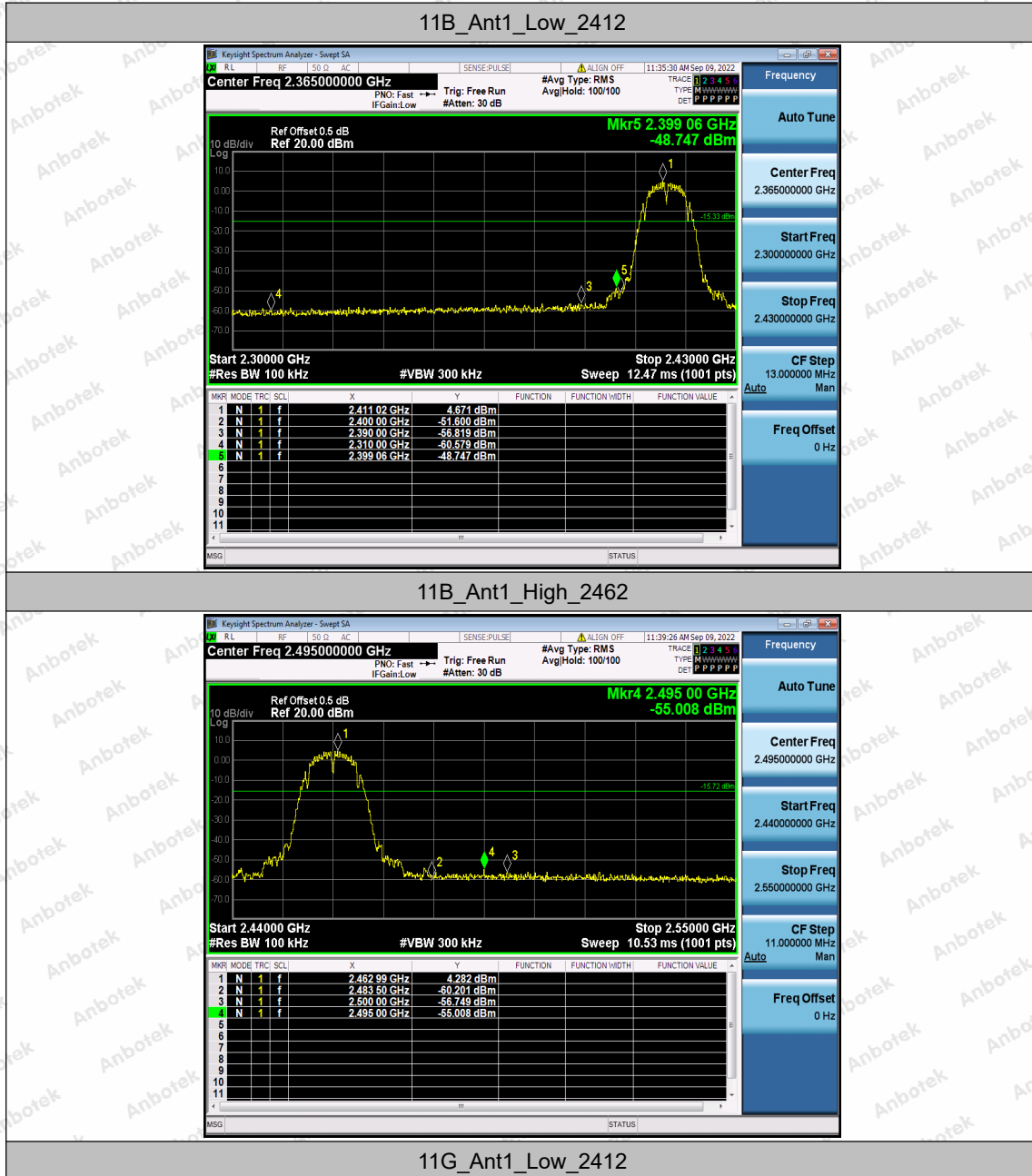
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## Test Graphs



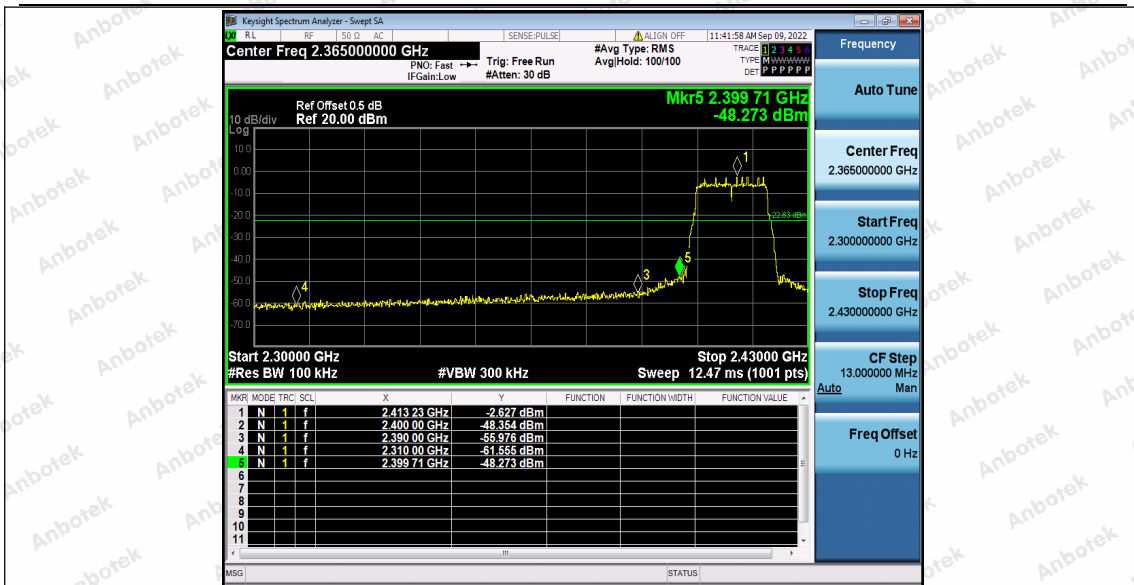
11G\_Ant1\_Low\_2412

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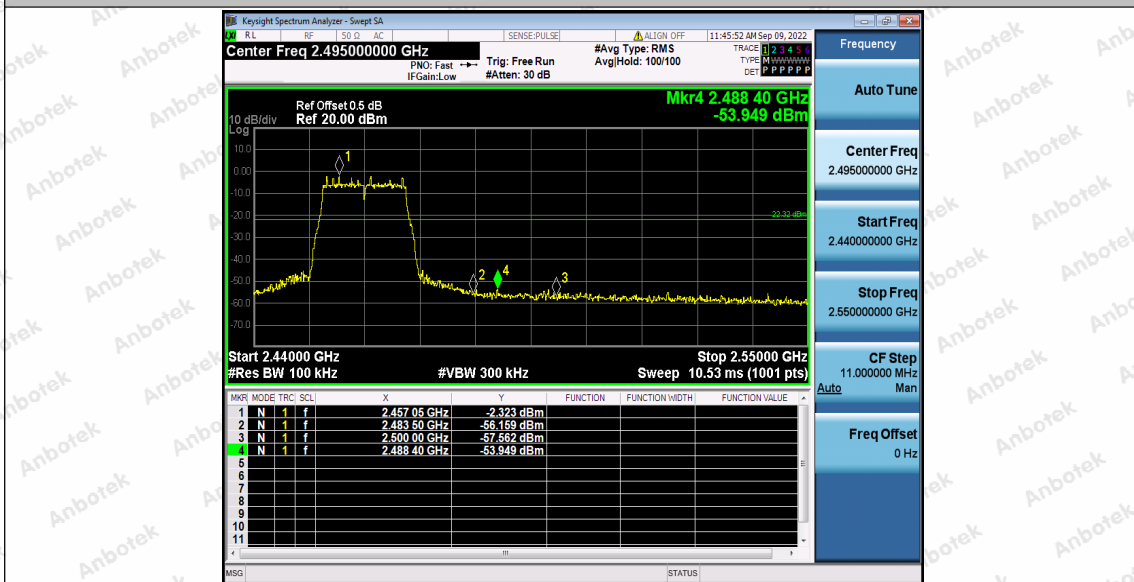
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11G\_Ant1\_High\_2462



11N20SISO\_Ant1\_Low\_2412

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