

## Appendix Test Data

Report No.:	1812C50309512503	Test Sample No.:	1-2-2
Start Test Date:	2025-07-03	Finish Test Date:	2025-07-03
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	23.3°C	Relative Humidity:	52%
Pressure:	101kPa		

## Appendix A: 6dB Bandwidth

### Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.320	2406.880	2417.200	0.5	PASS
11B	Ant2	2412	10.360	2406.840	2417.200	0.5	PASS
11B	Ant1	2437	10.360	2431.840	2442.200	0.5	PASS
11B	Ant2	2437	10.360	2431.840	2442.200	0.5	PASS
11B	Ant1	2462	10.360	2456.840	2467.200	0.5	PASS
11B	Ant2	2462	10.280	2456.880	2467.160	0.5	PASS
11G	Ant1	2412	14.760	2404.880	2419.640	0.5	PASS
11G	Ant2	2412	13.880	2405.000	2418.880	0.5	PASS
11G	Ant1	2437	13.680	2430.040	2443.720	0.5	PASS
11G	Ant2	2437	14.000	2430.000	2444.000	0.5	PASS
11G	Ant1	2462	13.400	2455.000	2468.400	0.5	PASS
11G	Ant2	2462	14.760	2454.920	2469.680	0.5	PASS
11N20MIMO	Ant1	2412	16.000	2403.840	2419.840	0.5	PASS
11N20MIMO	Ant2	2412	16.040	2403.840	2419.880	0.5	PASS
11N20MIMO	Ant1	2437	15.960	2428.920	2444.880	0.5	PASS
11N20MIMO	Ant2	2437	15.840	2428.960	2444.800	0.5	PASS
11N20MIMO	Ant1	2462	16.000	2453.880	2469.880	0.5	PASS
11N20MIMO	Ant2	2462	15.720	2453.920	2469.640	0.5	PASS

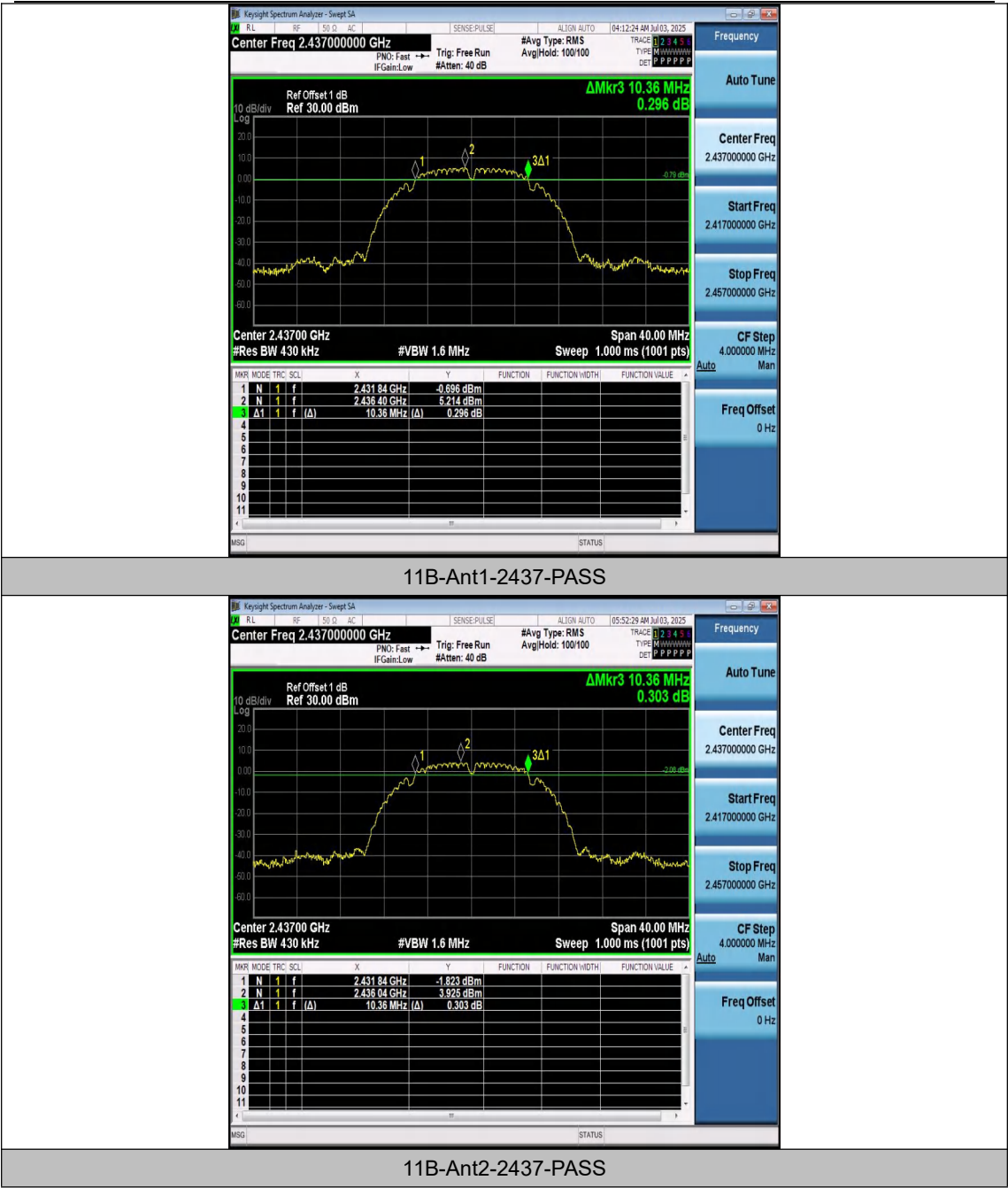
## Test Graphs



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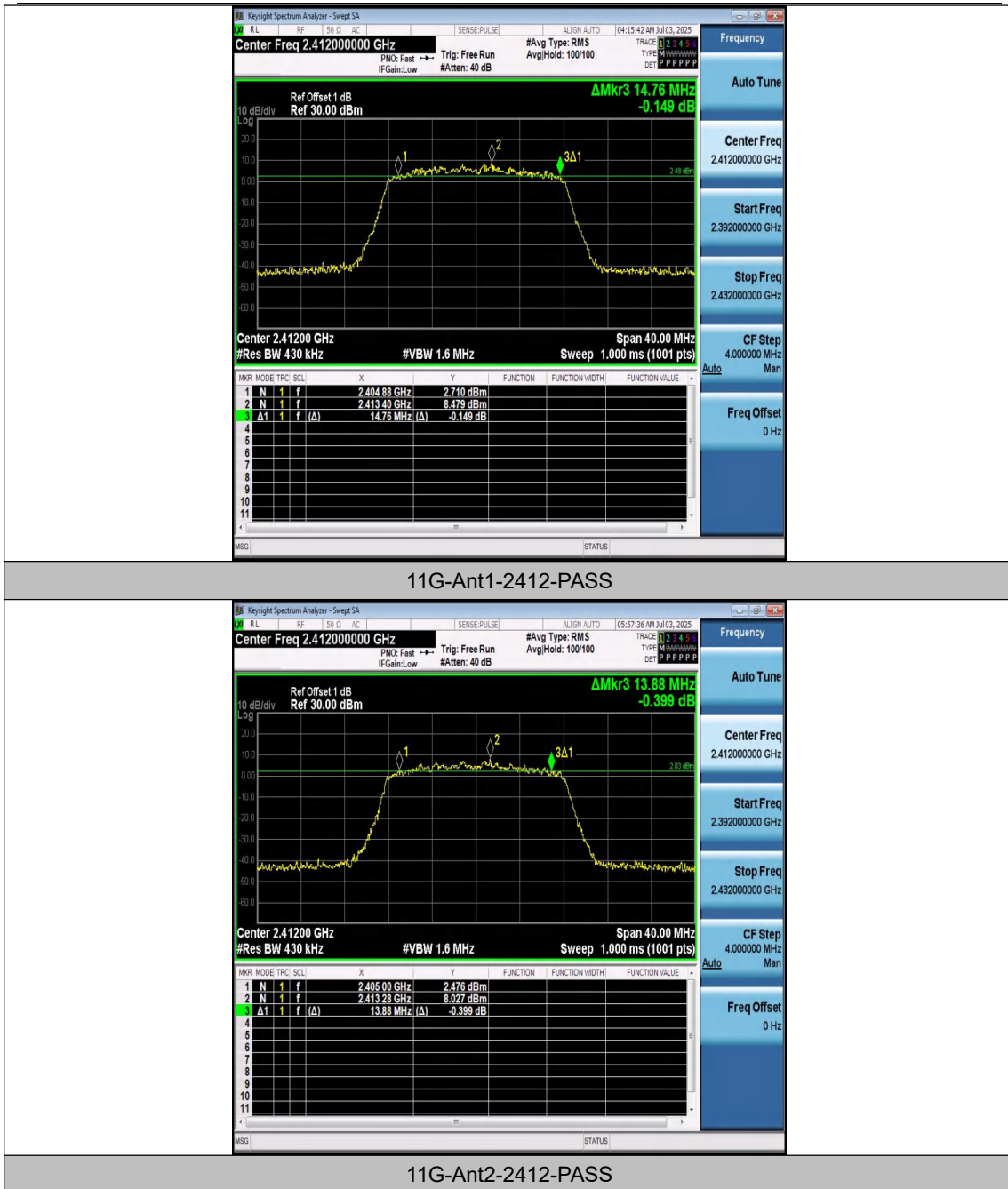




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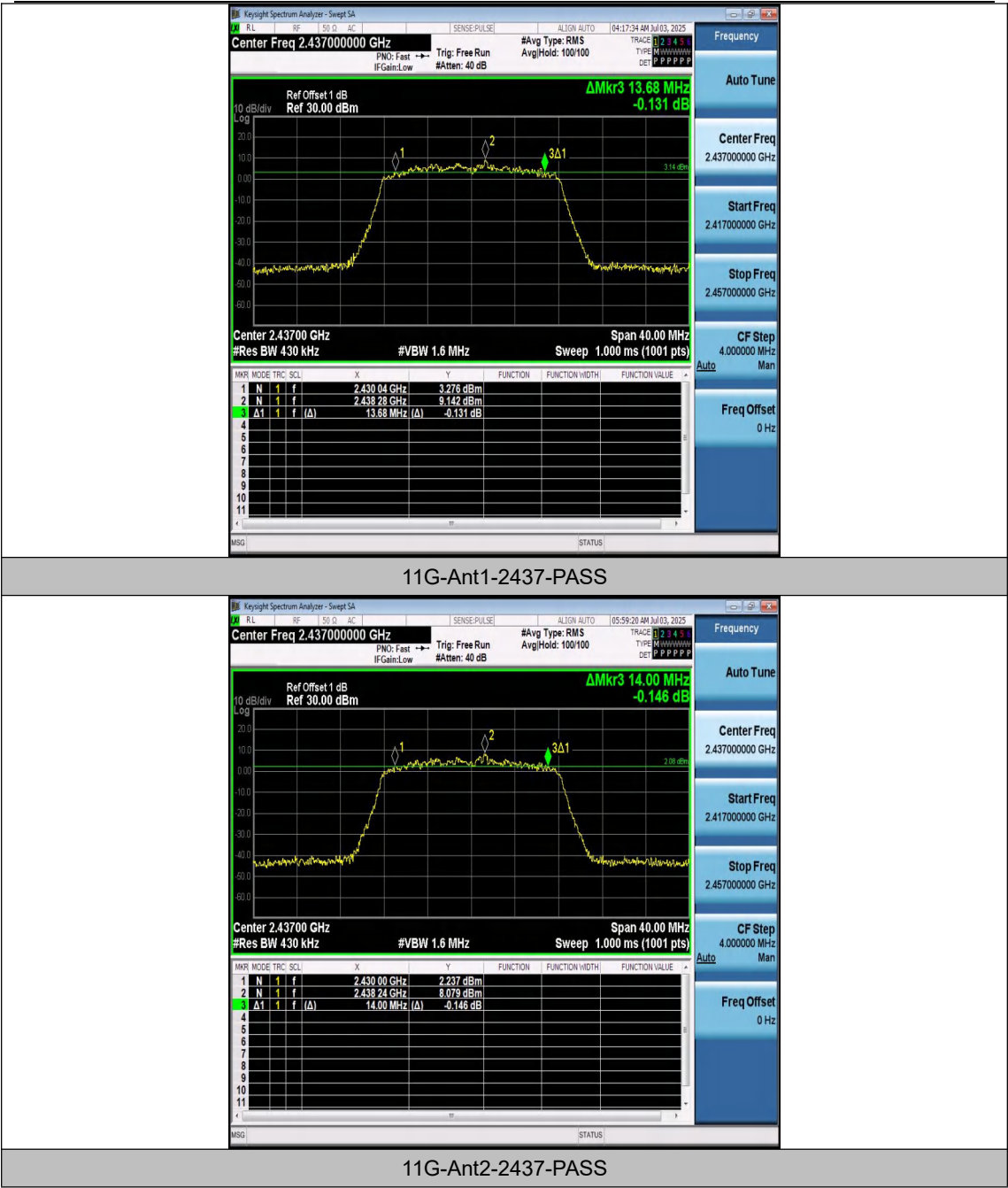


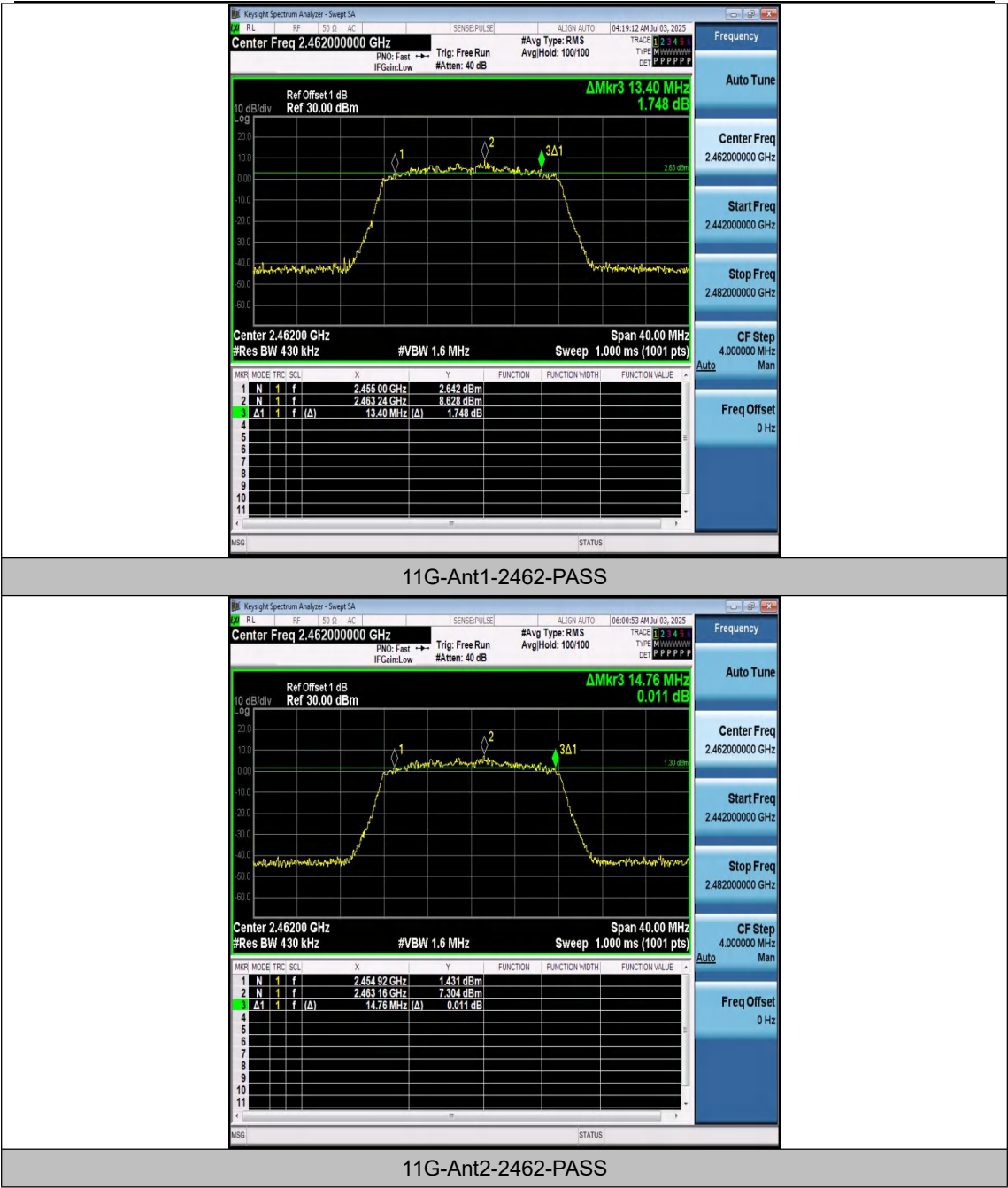
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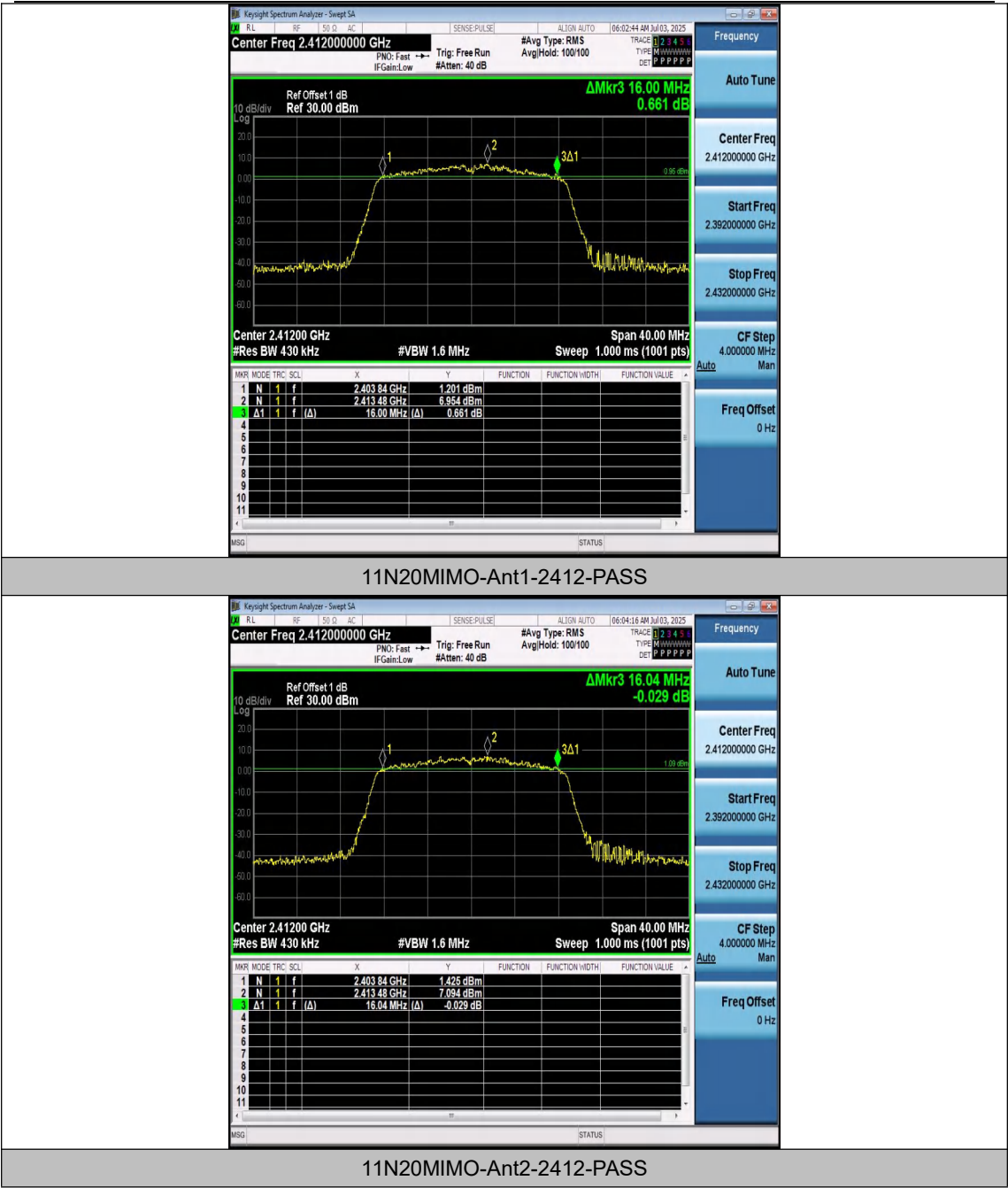
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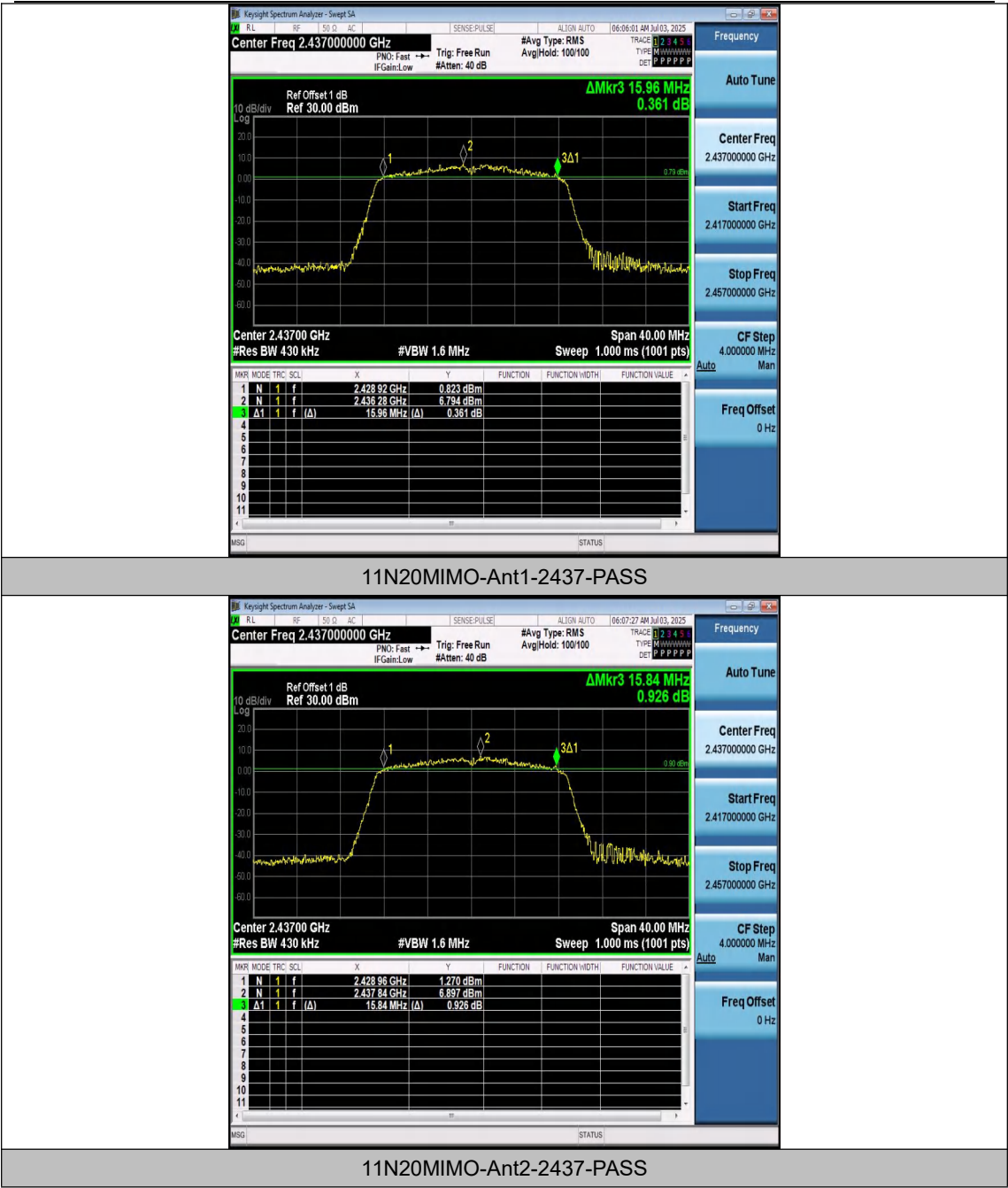


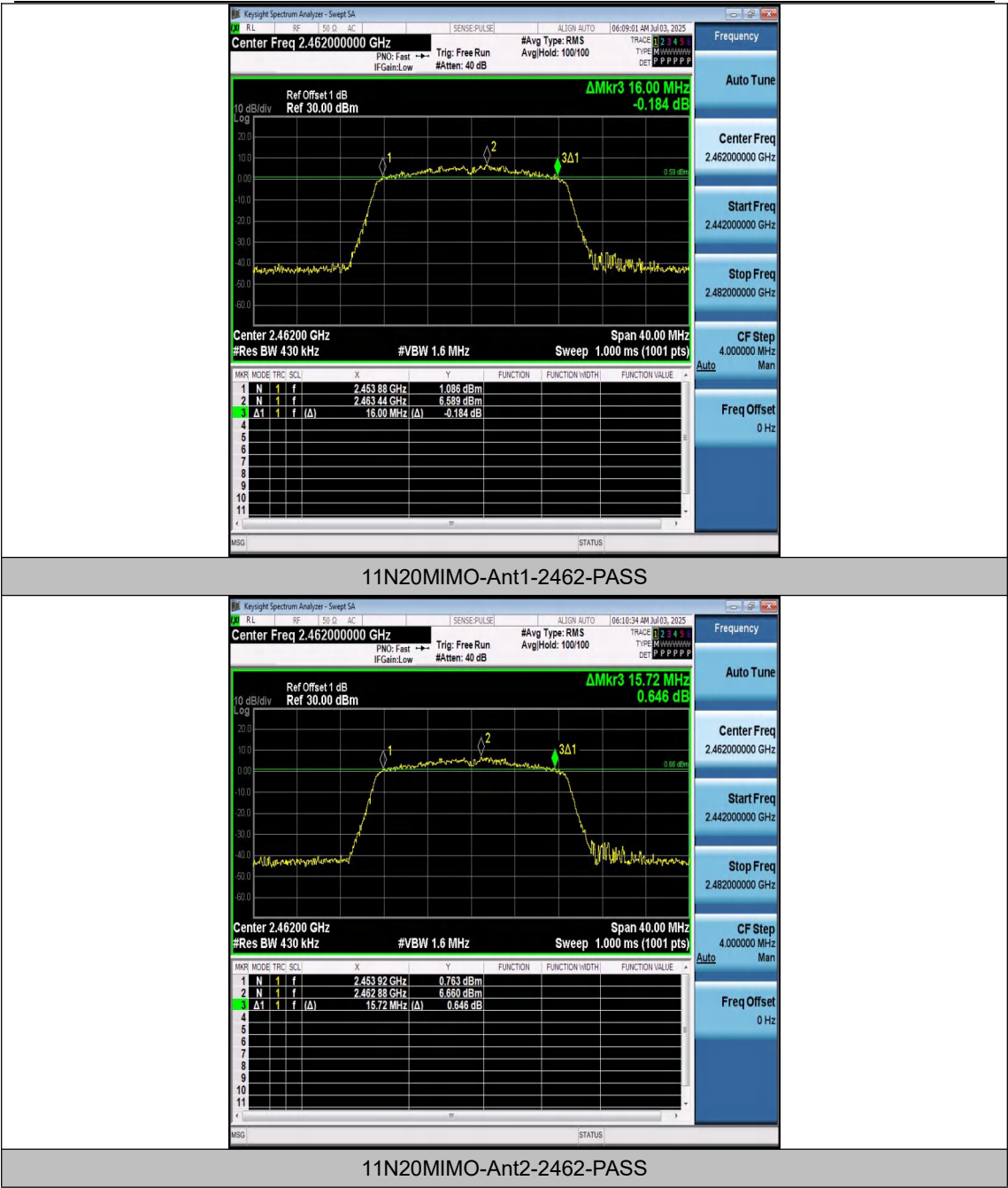












## Appendix B: 99% Occupied Bandwidth

### Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.914	2405.0950	2419.0090	---	---
11B	Ant2	2412	13.907	2405.0910	2418.9980	---	---
11B	Ant1	2437	13.938	2430.0503	2443.9883	---	---
11B	Ant2	2437	13.943	2430.0421	2443.9851	---	---
11B	Ant1	2462	13.946	2455.0131	2468.9591	---	---
11B	Ant2	2462	13.939	2455.0274	2468.9664	---	---
11G	Ant1	2412	16.155	2403.9427	2420.0977	---	---
11G	Ant2	2412	16.183	2403.9222	2420.1052	---	---
11G	Ant1	2437	16.202	2428.9182	2445.1202	---	---
11G	Ant2	2437	16.188	2428.9313	2445.1193	---	---
11G	Ant1	2462	16.167	2453.9311	2470.0981	---	---
11G	Ant2	2462	16.186	2453.9241	2470.1101	---	---
11N20MIMO	Ant1	2412	17.299	2403.3523	2420.6513	---	---
11N20MIMO	Ant2	2412	17.284	2403.3502	2420.6342	---	---
11N20MIMO	Ant1	2437	17.299	2428.3553	2445.6543	---	---
11N20MIMO	Ant2	2437	17.312	2428.3318	2445.6438	---	---
11N20MIMO	Ant1	2462	17.283	2453.3693	2470.6523	---	---
11N20MIMO	Ant2	2462	17.297	2453.3554	2470.6524	---	---

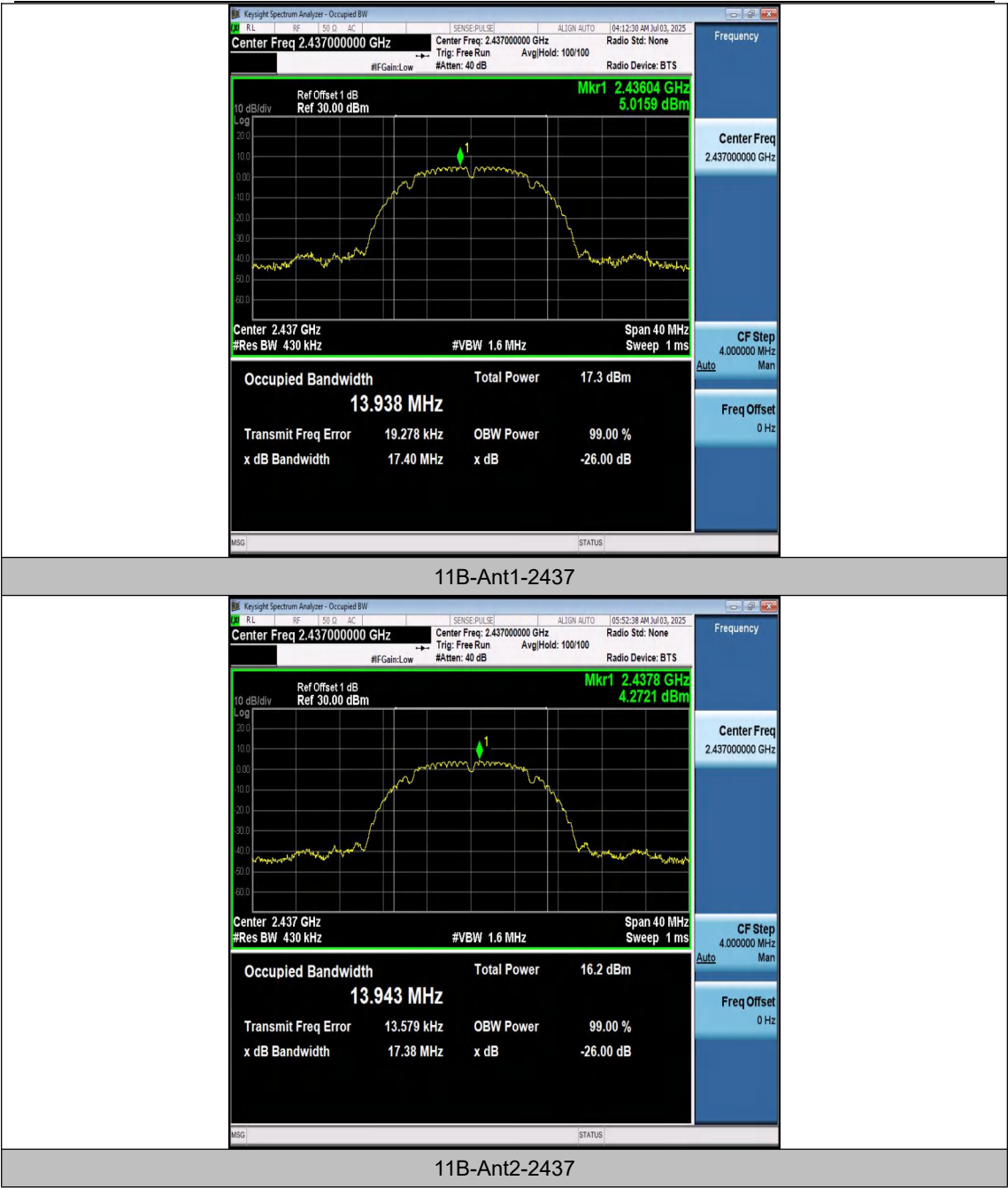
Test Graphs



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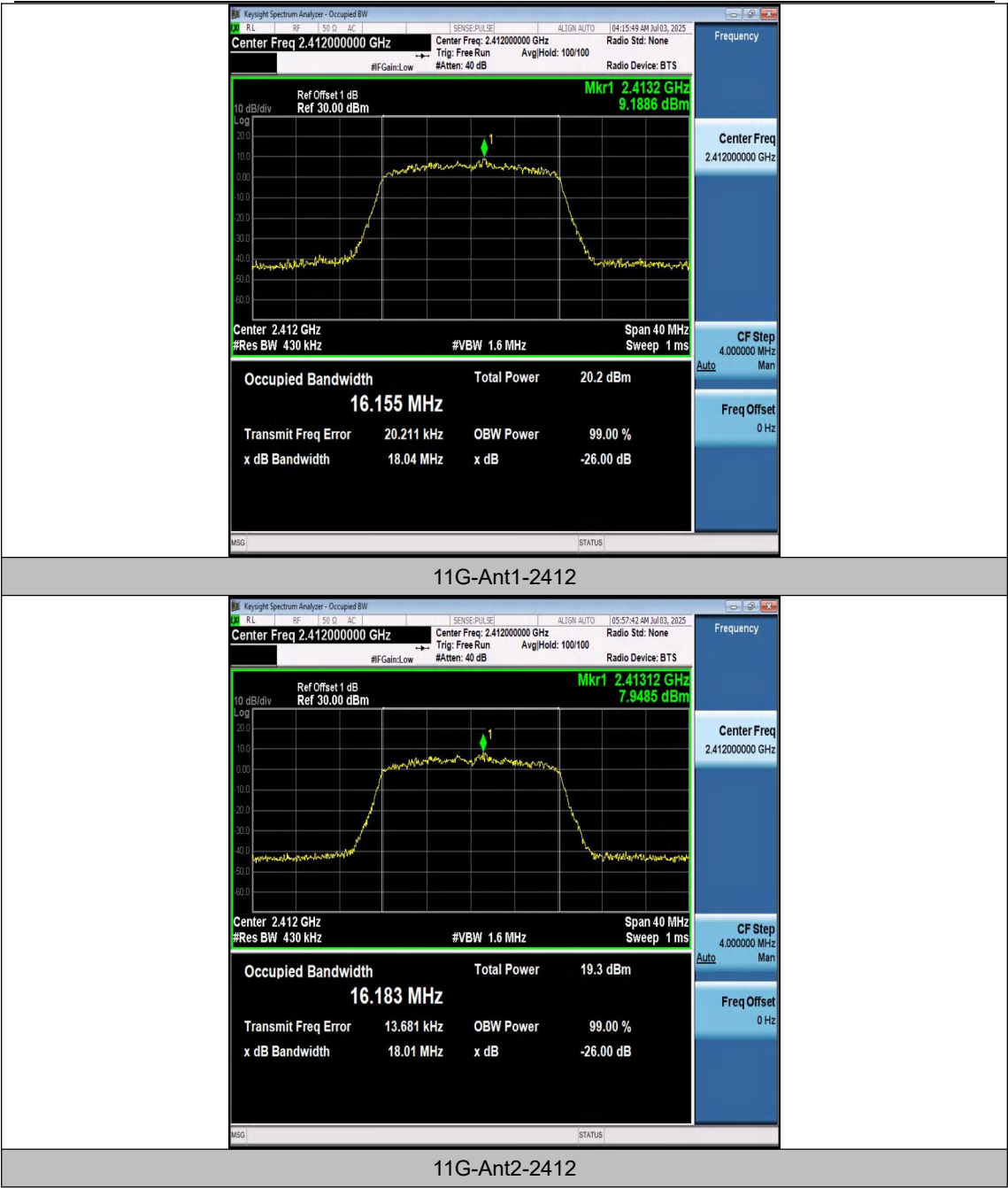
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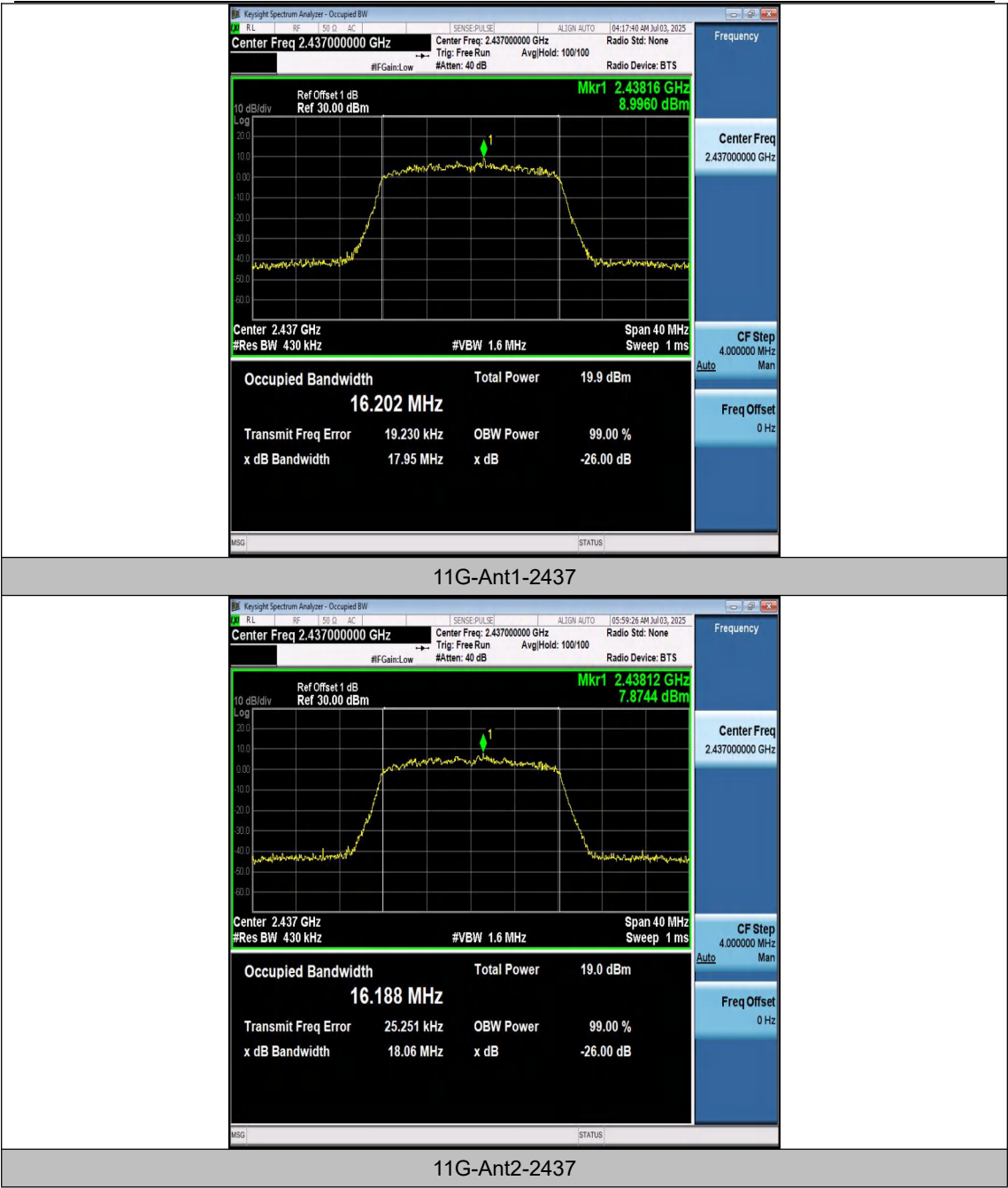
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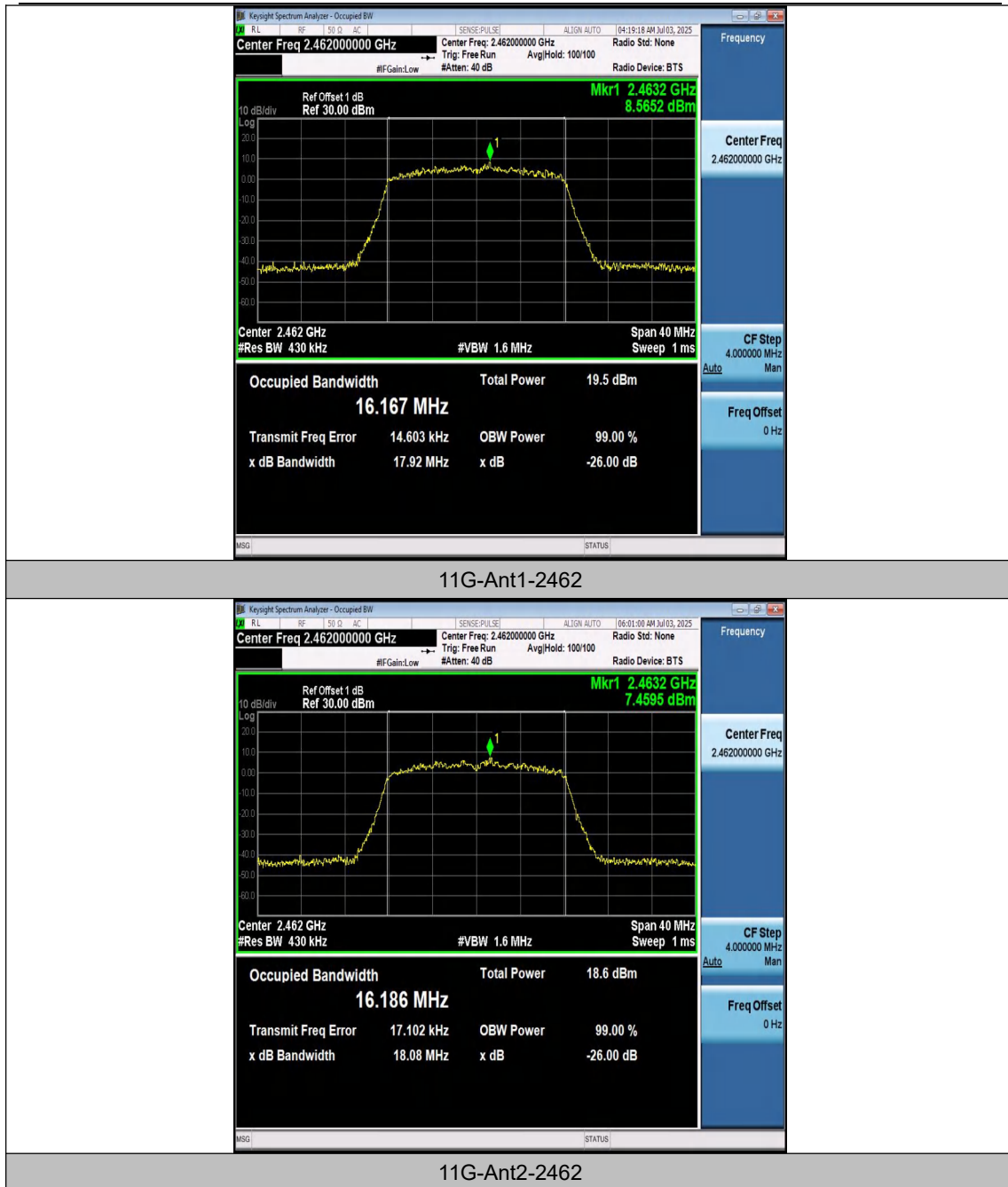
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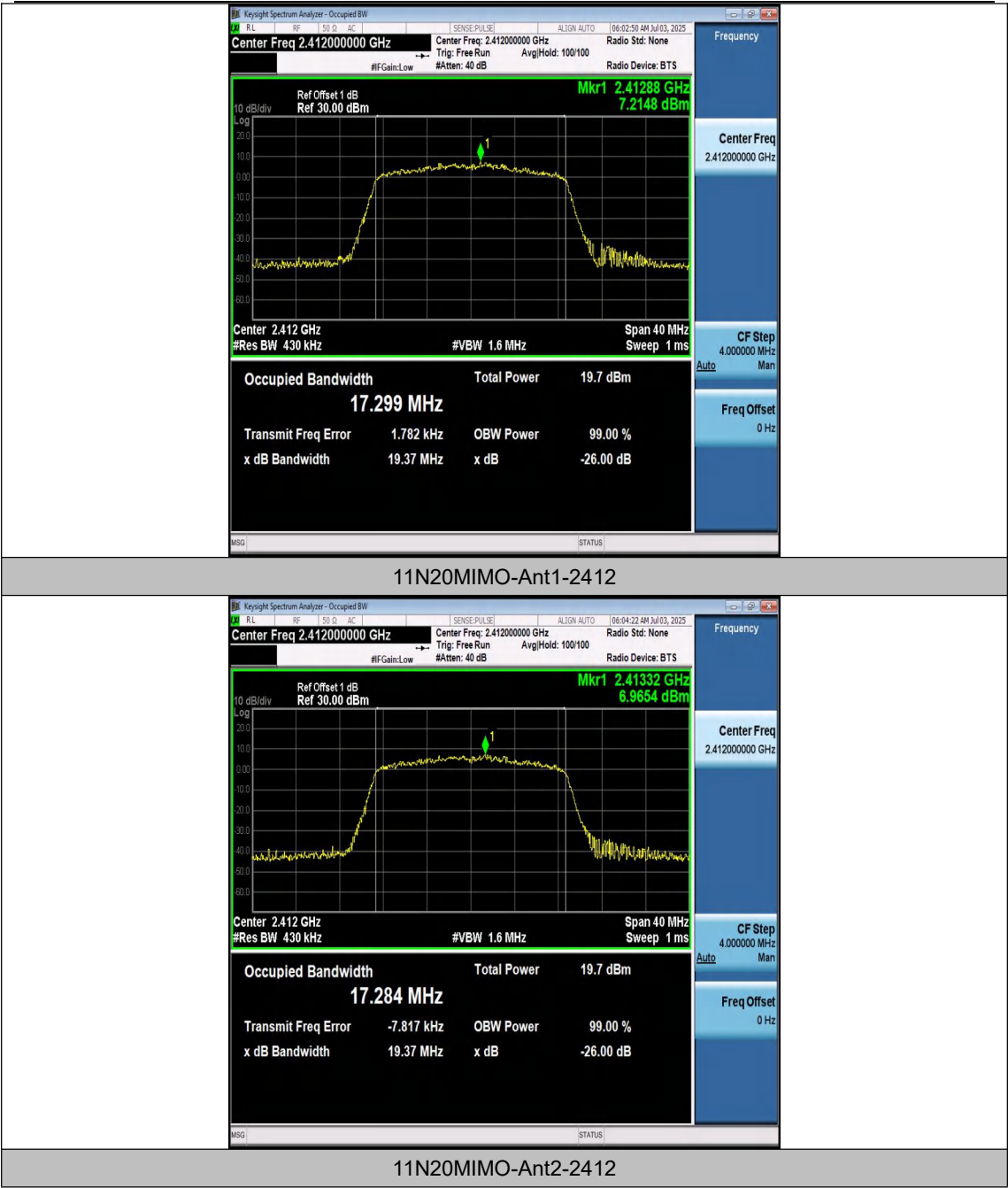




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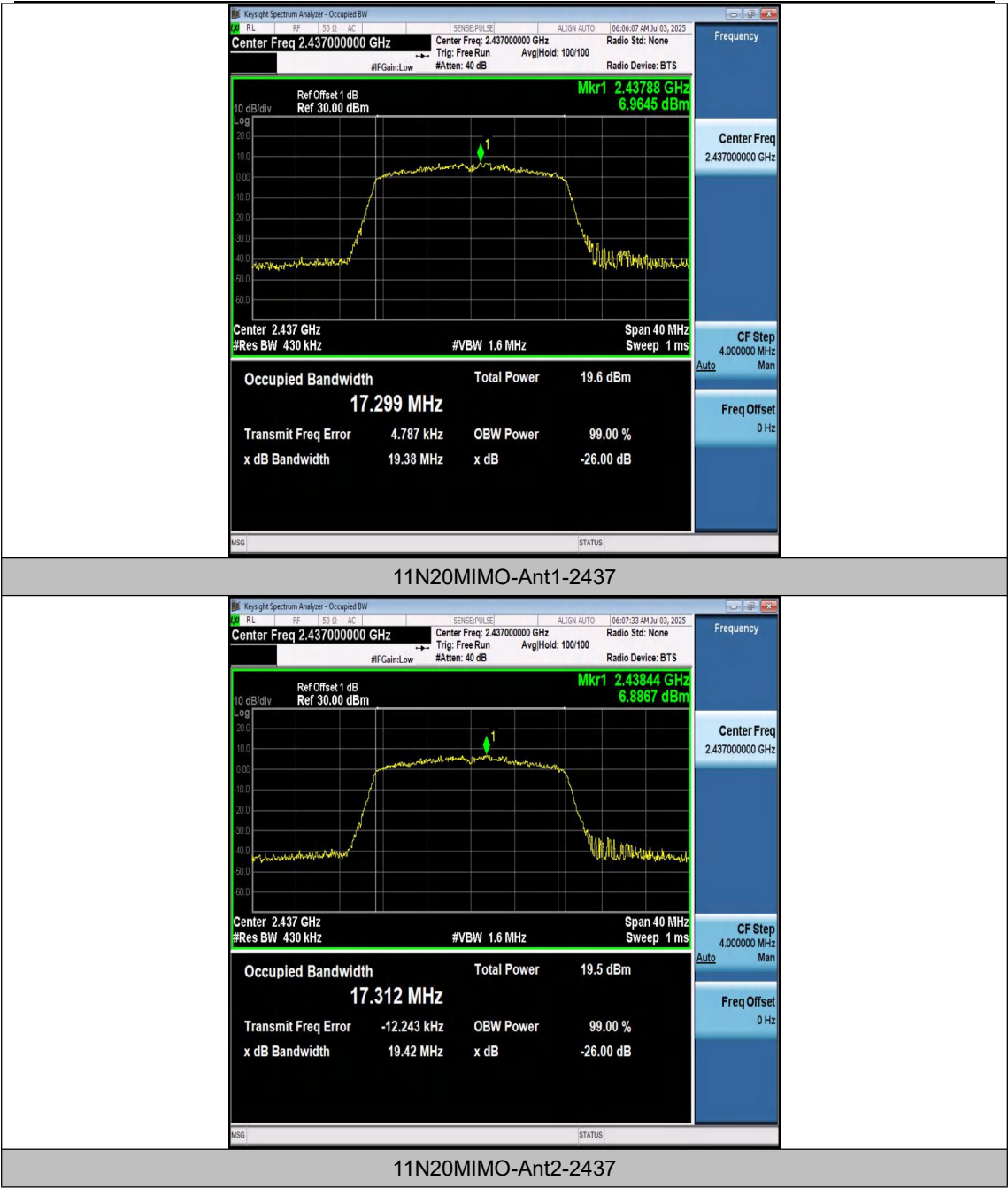
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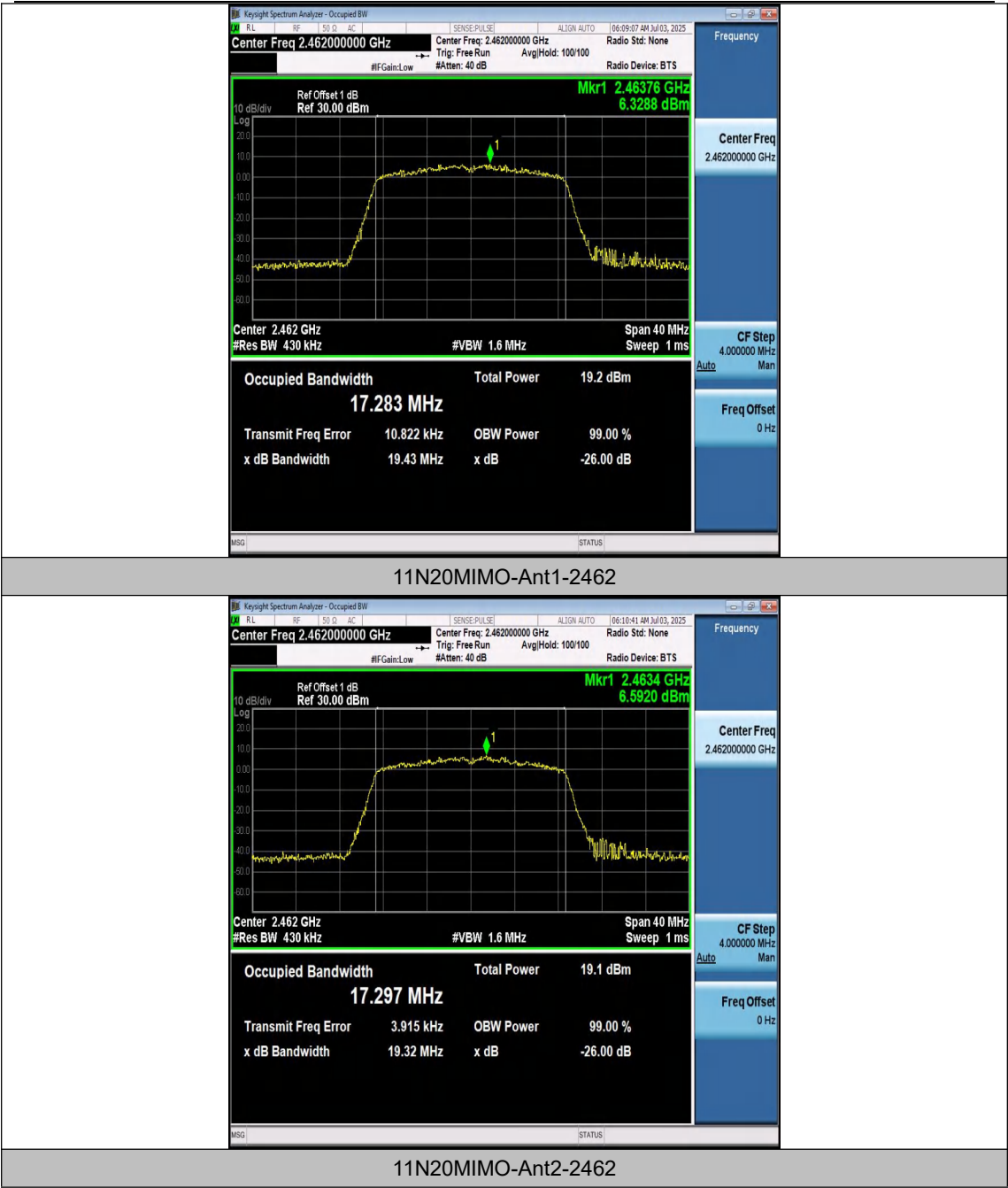




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## Appendix C: Maximum conducted output power

### Test Result Average

Test Mode	Antenna	Frequency [MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	14.16	100.00	0.00	14.16	≤30.0 0	PASS
11B	Ant2	2412	13.10	100.00	0.00	13.10	≤30.0 0	PASS
11B	Ant1	2437	14.01	100.00	0.00	14.01	≤30.0 0	PASS
11B	Ant2	2437	13.12	100.00	0.00	13.12	≤30.0 0	PASS
11B	Ant1	2462	13.33	100.00	0.00	13.33	≤30.0 0	PASS
11B	Ant2	2462	12.37	100.00	0.00	12.37	≤30.0 0	PASS
11G	Ant1	2412	13.78	100.00	0.00	13.78	≤30.0 0	PASS
11G	Ant2	2412	12.80	100.00	0.00	12.80	≤30.0 0	PASS
11G	Ant1	2437	13.55	100.00	0.00	13.55	≤30.0 0	PASS
11G	Ant2	2437	12.63	100.00	0.00	12.63	≤30.0 0	PASS
11G	Ant1	2462	13.18	100.00	0.00	13.18	≤30.0 0	PASS
11G	Ant2	2462	12.18	100.00	0.00	12.18	≤30.0 0	PASS
11N20MI MO	Ant1	2412	13.62	100.00	0.00	13.62	≤30.0 0	PASS
11N20MI MO	Ant2	2412	13.63	100.00	0.00	13.63	≤30.0 0	PASS
11N20MI MO	total	2412	---	---	---	<b>16.64</b>	≤30.0 0	PASS
11N20MI MO	Ant1	2437	13.41	100.00	0.00	13.41	≤30.0 0	PASS
11N20MI MO	Ant2	2437	13.46	100.00	0.00	13.46	≤30.0 0	PASS
11N20MI MO	total	2437	---	---	---	16.45	≤30.0 0	PASS

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11N20MI MO	Ant1	2462	13.05	100.00	0.00	13.05	$\leq 30.0$ 0	PASS
11N20MI MO	Ant2	2462	13.05	100.00	0.00	13.05	$\leq 30.0$ 0	PASS
11N20MI MO	total	2462	---	---	---	16.06	$\leq 30.0$ 0	PASS

Note: 1. The Duty Cycle Factor( $10 \cdot \log(1/D)$ ) and cable loss are compensated in the graph.

2. As Directional gain =  $10 \log[(10G1/20 + 10G2/20)^2 / NANT]$  dBi=5.14 < 6dBi,  
so limit=30dBm.

3. NOTE: MIMO=  $10 \cdot \log((10^{ANT1/10}) + 10^{(ANT2/10)})$

Test Graphs Average



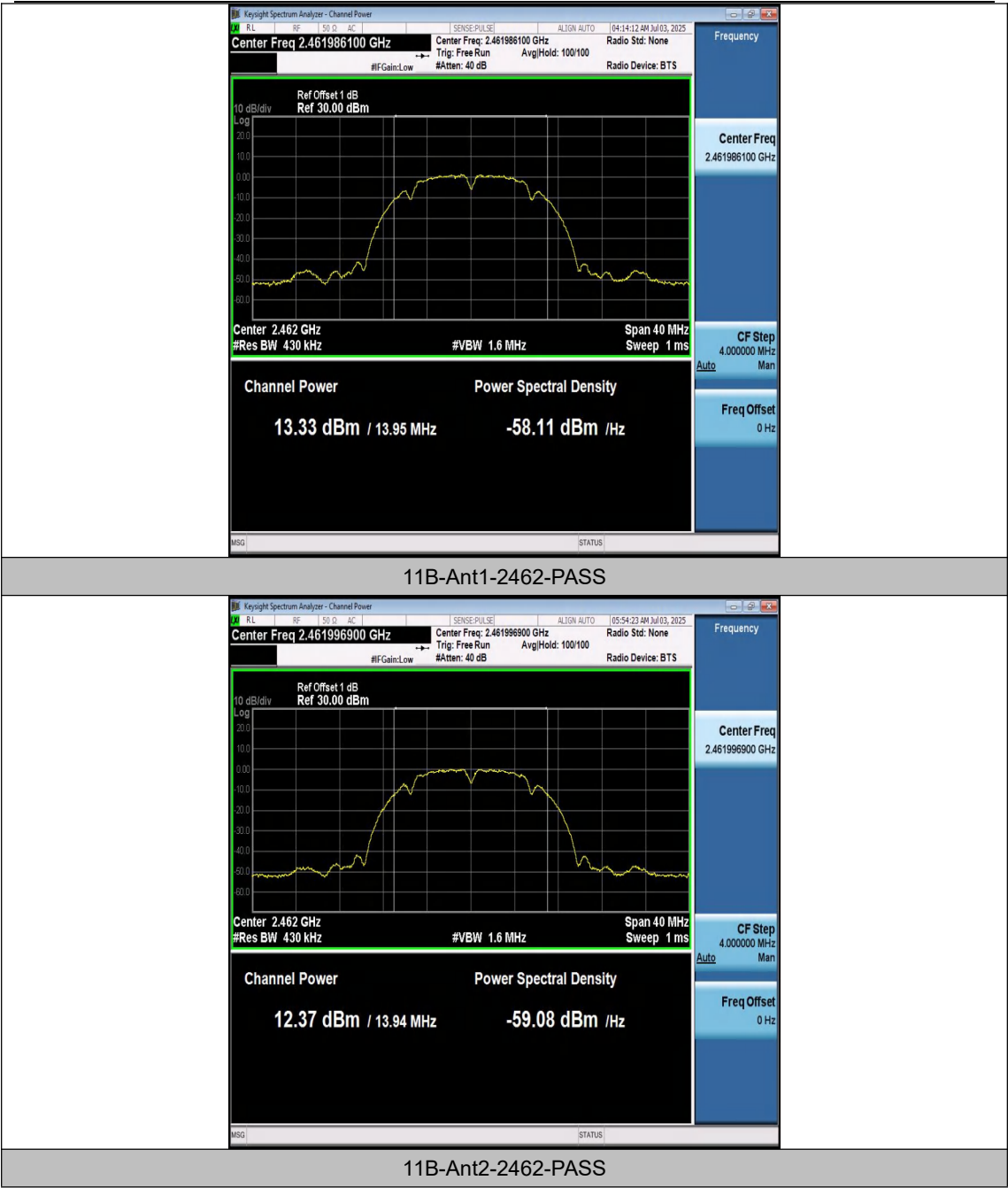
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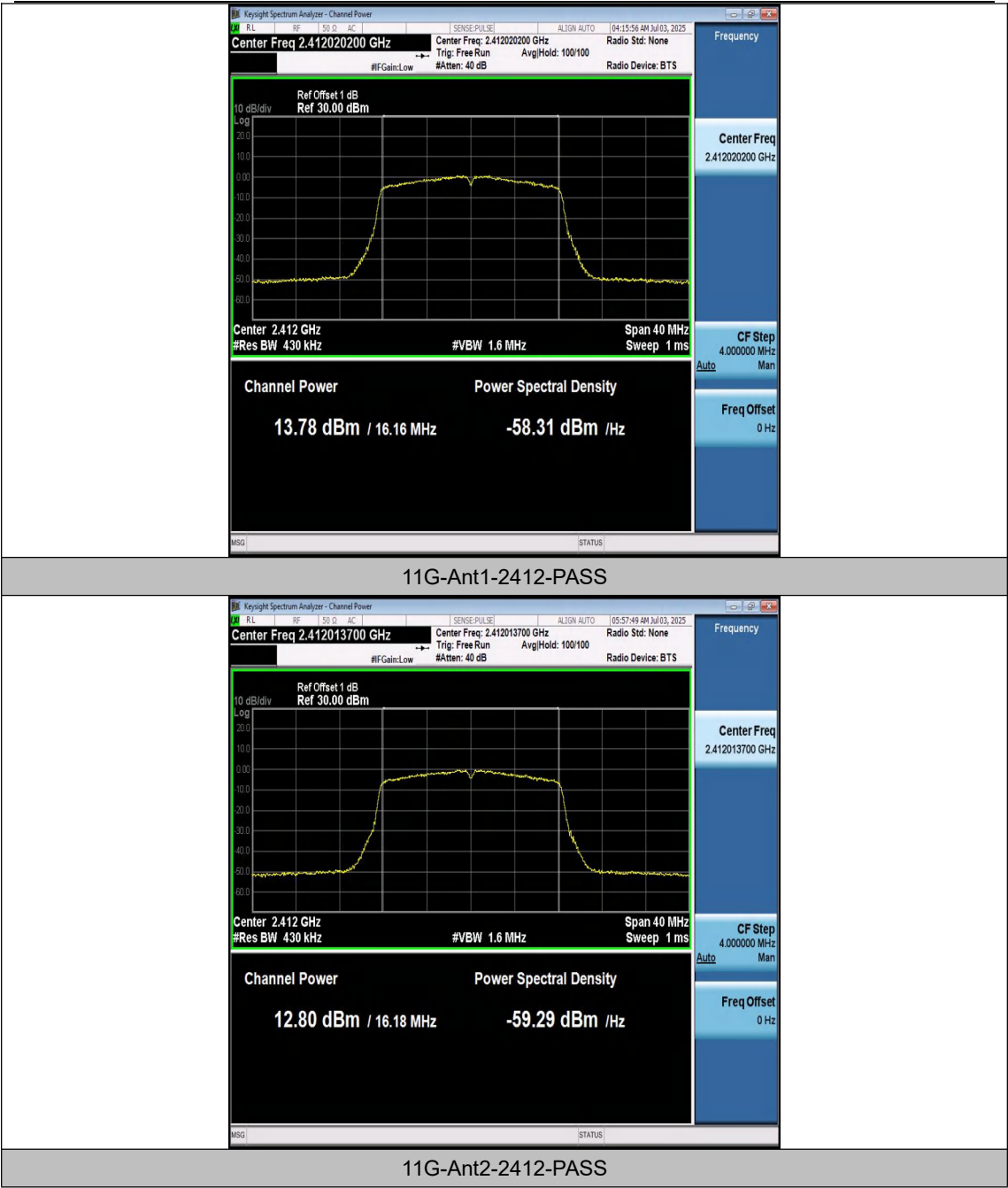
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