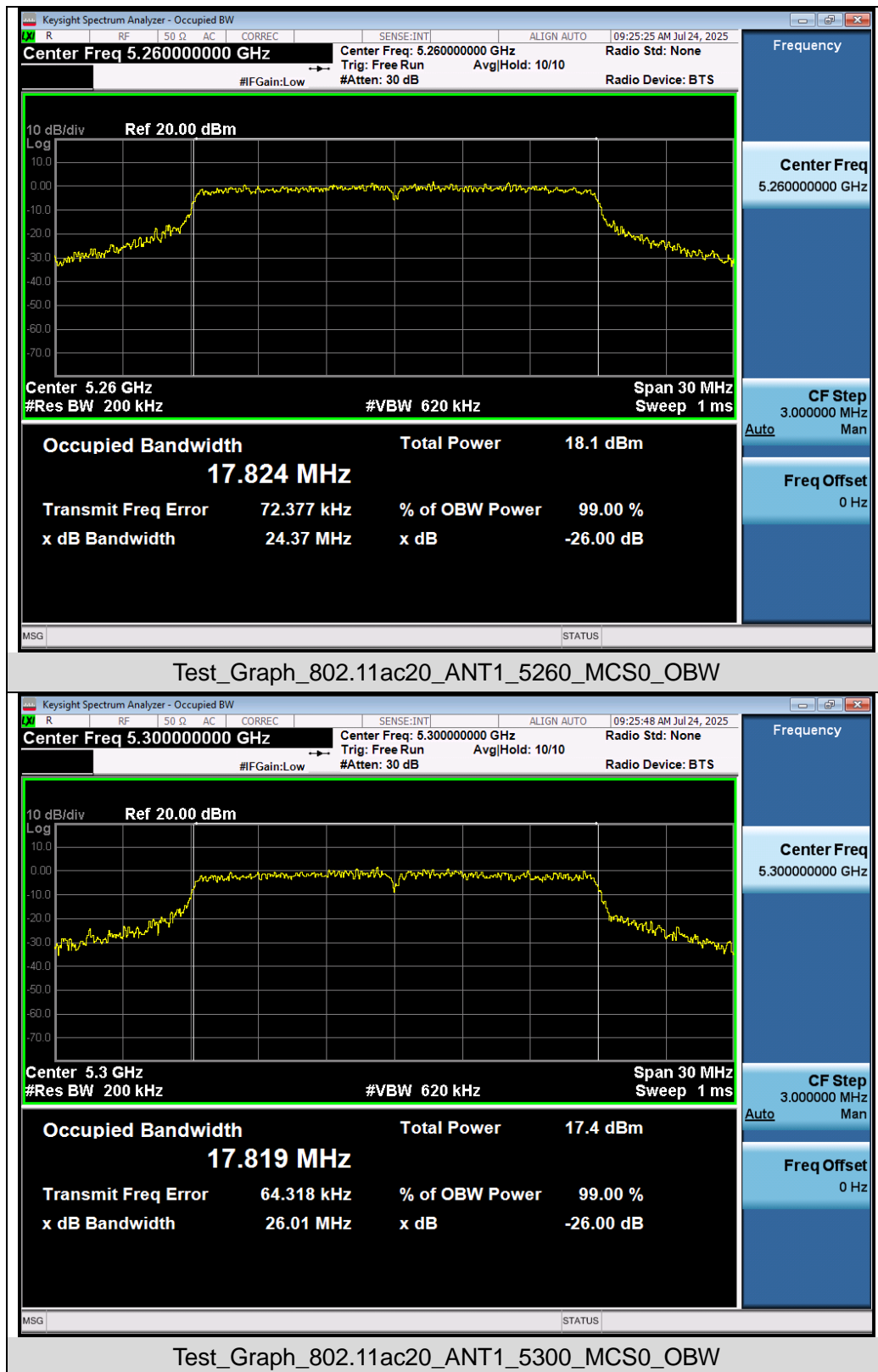
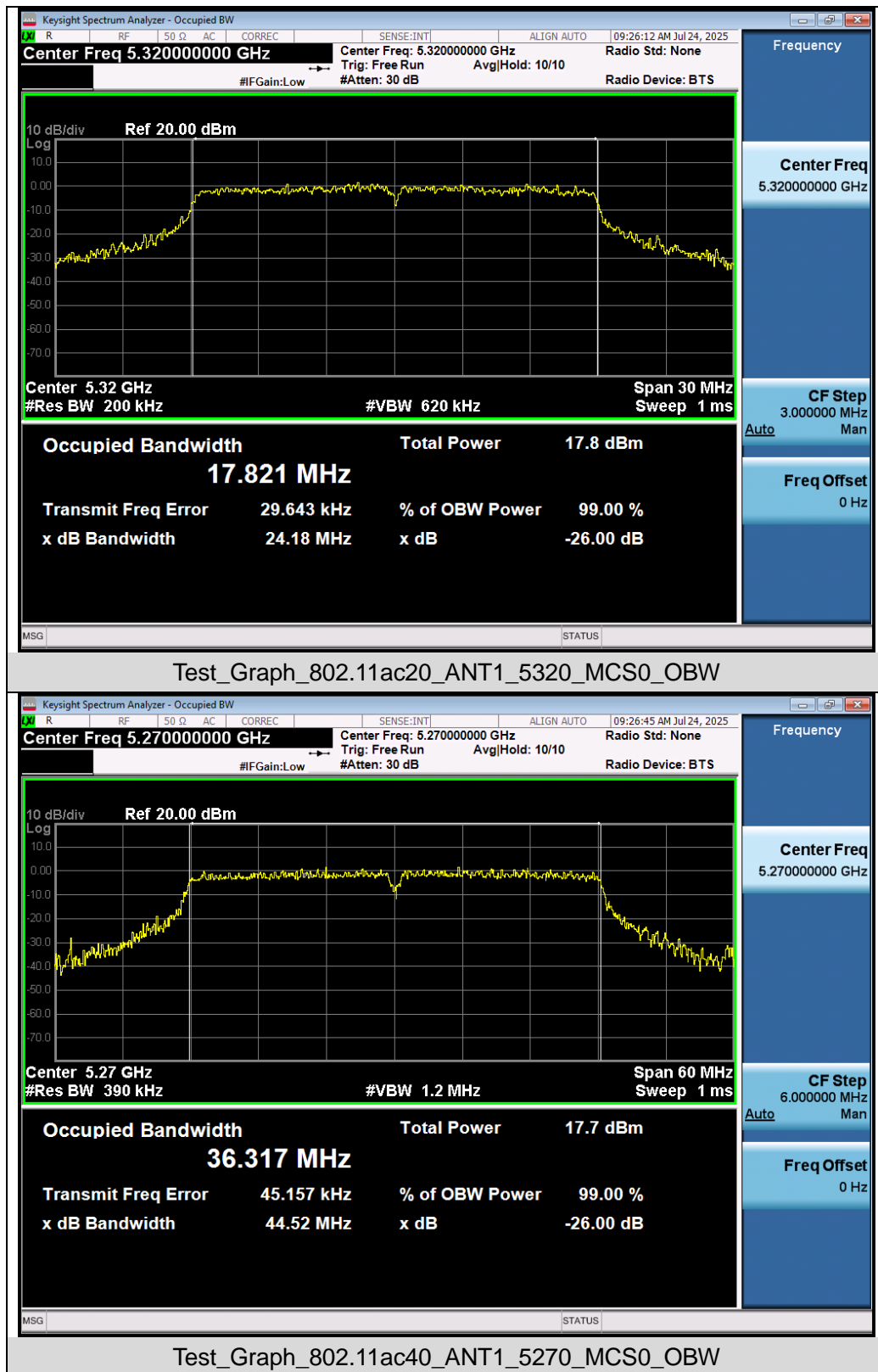


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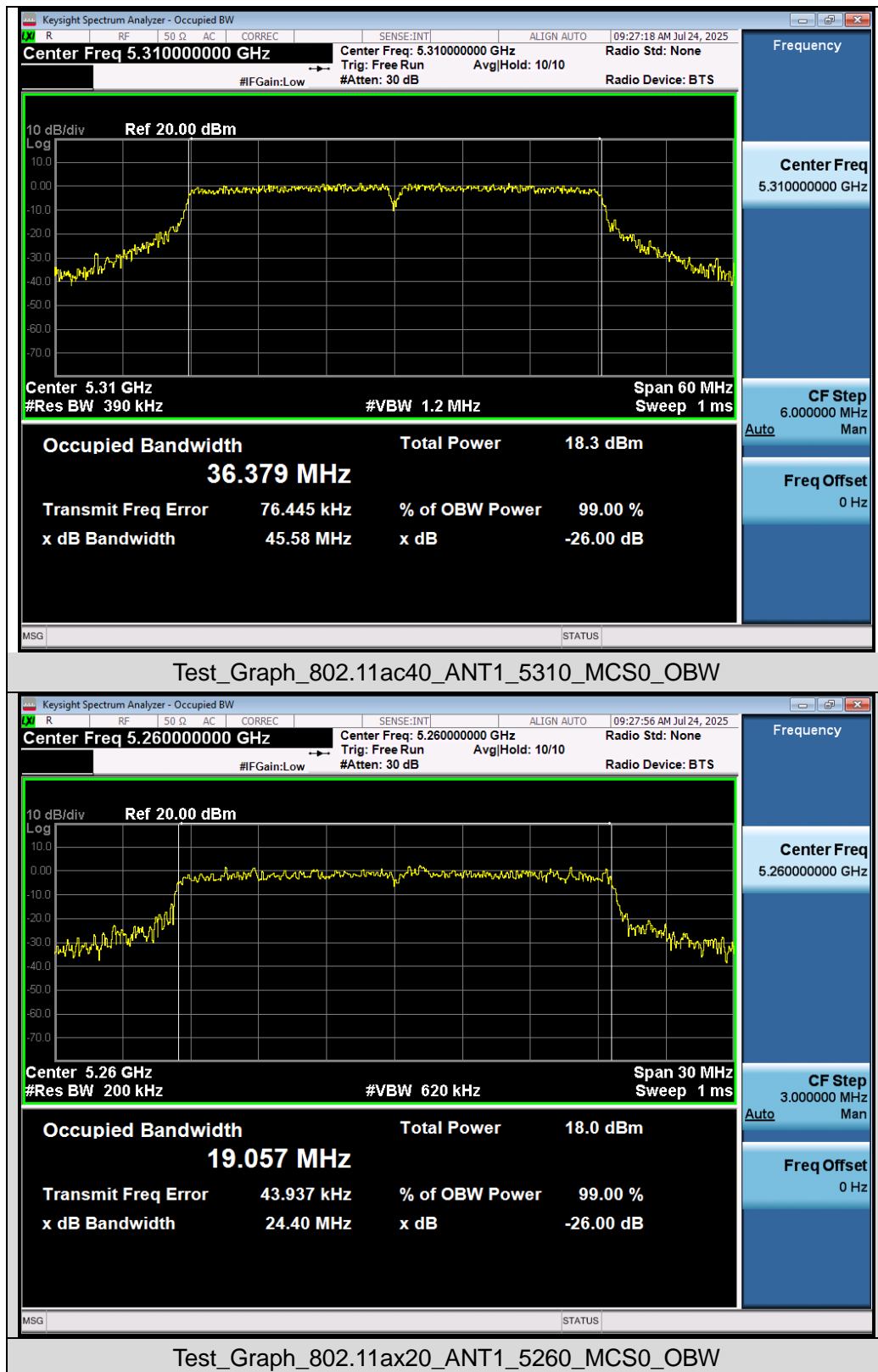


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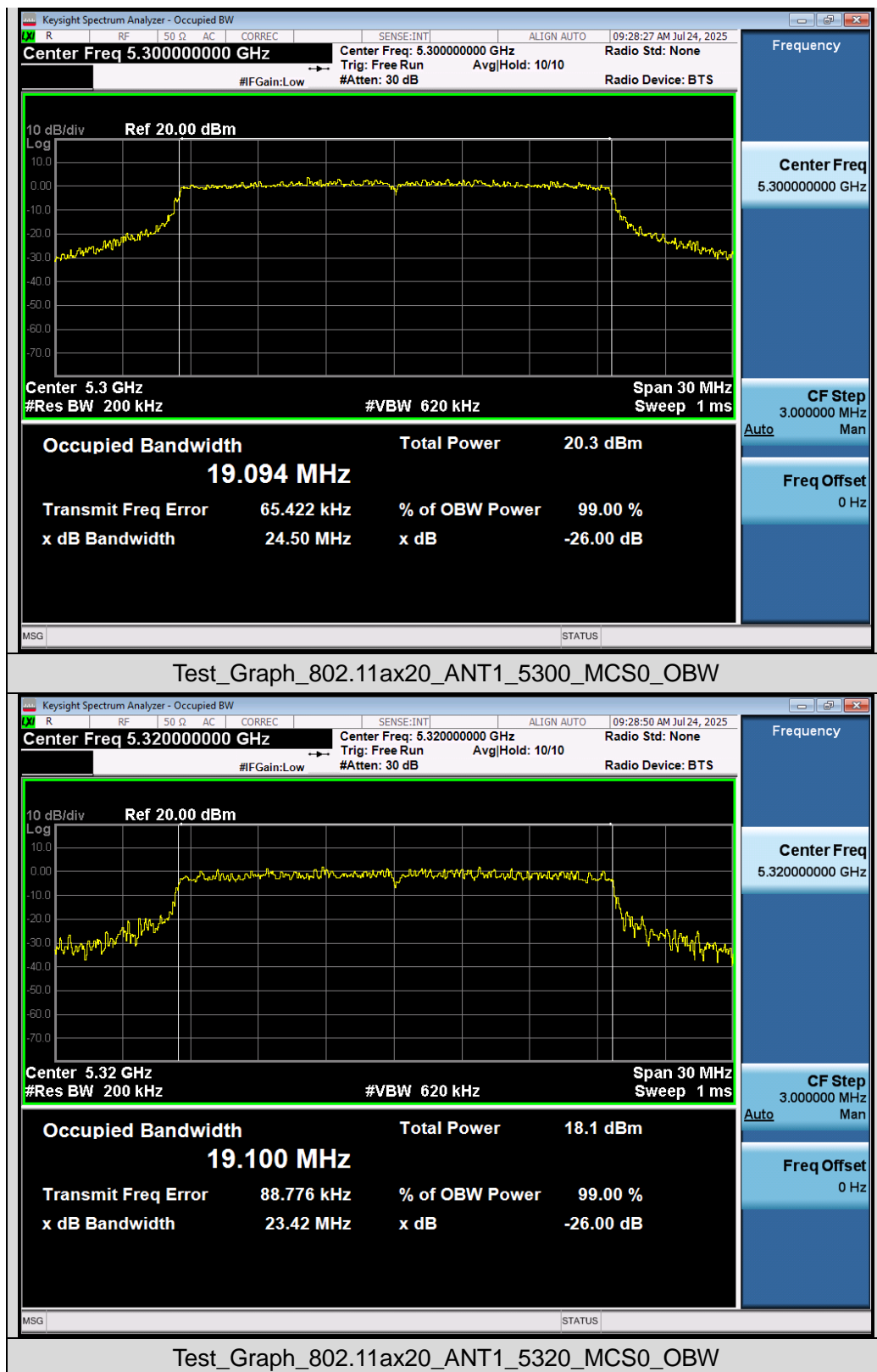
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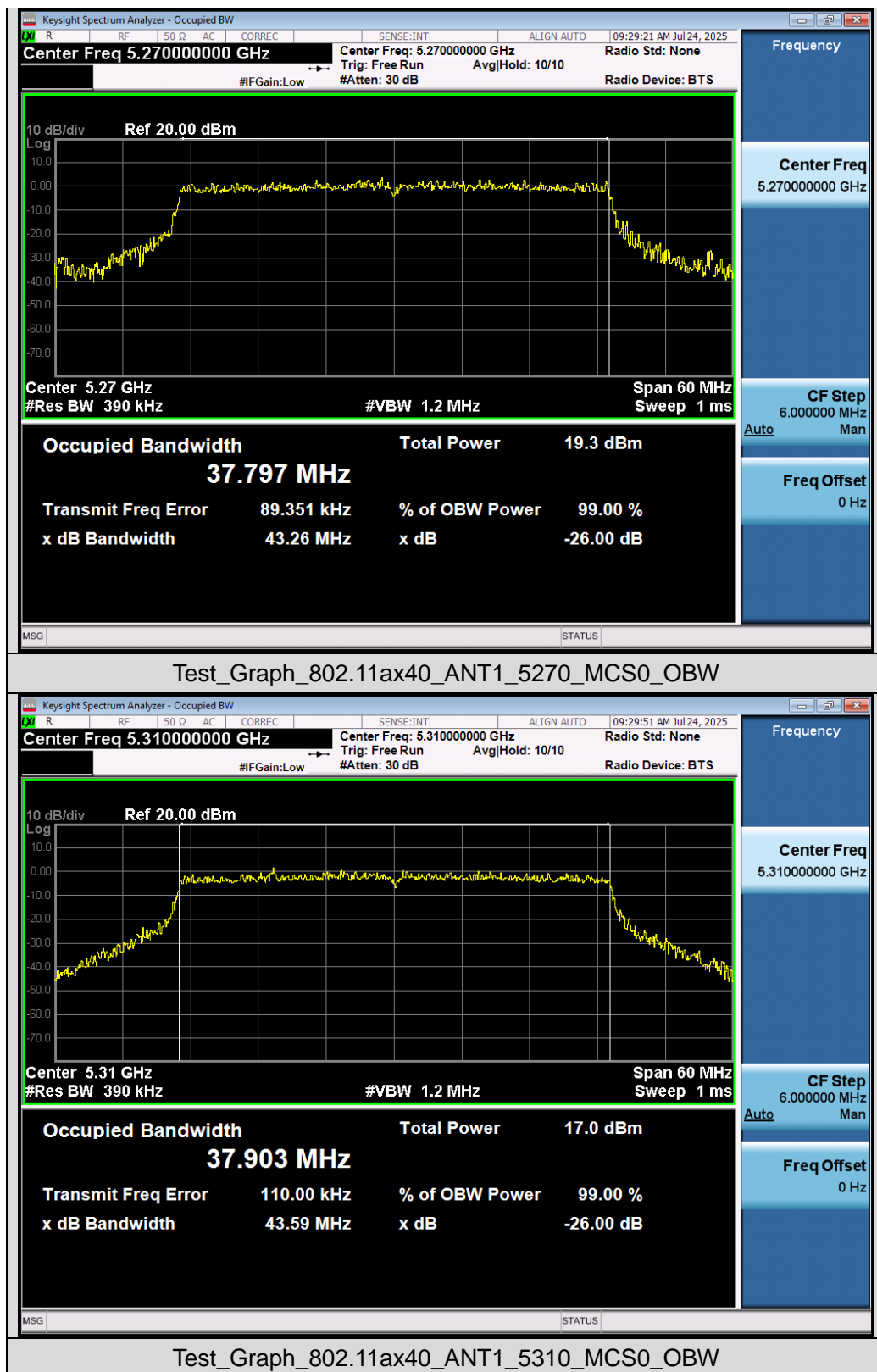
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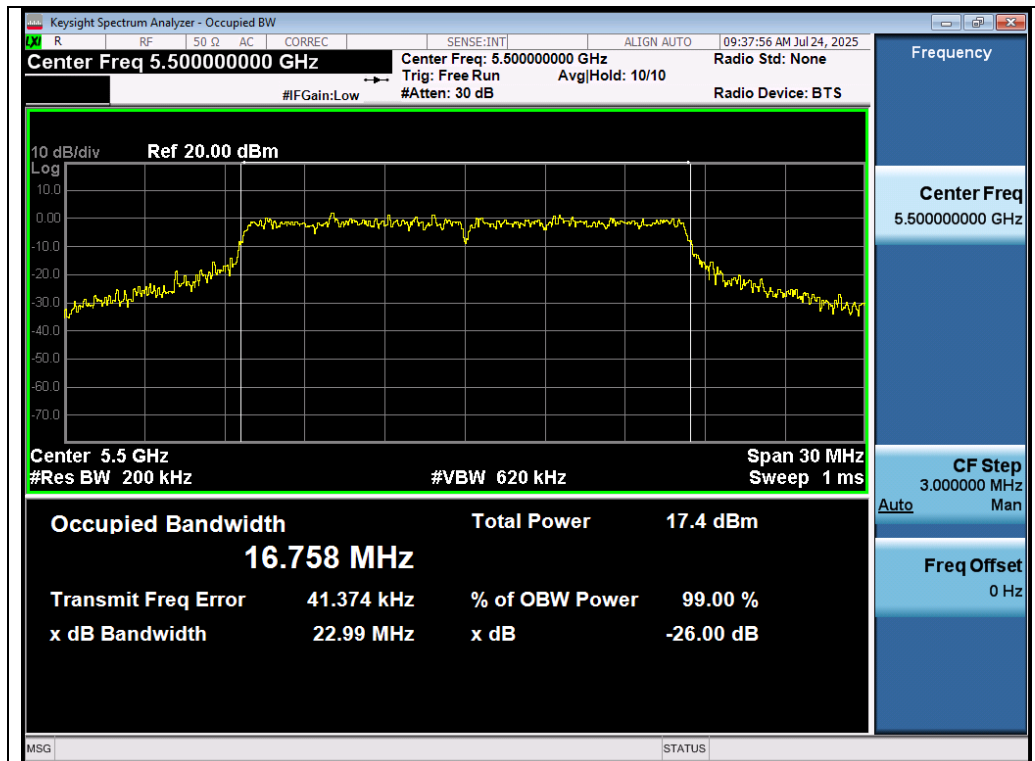
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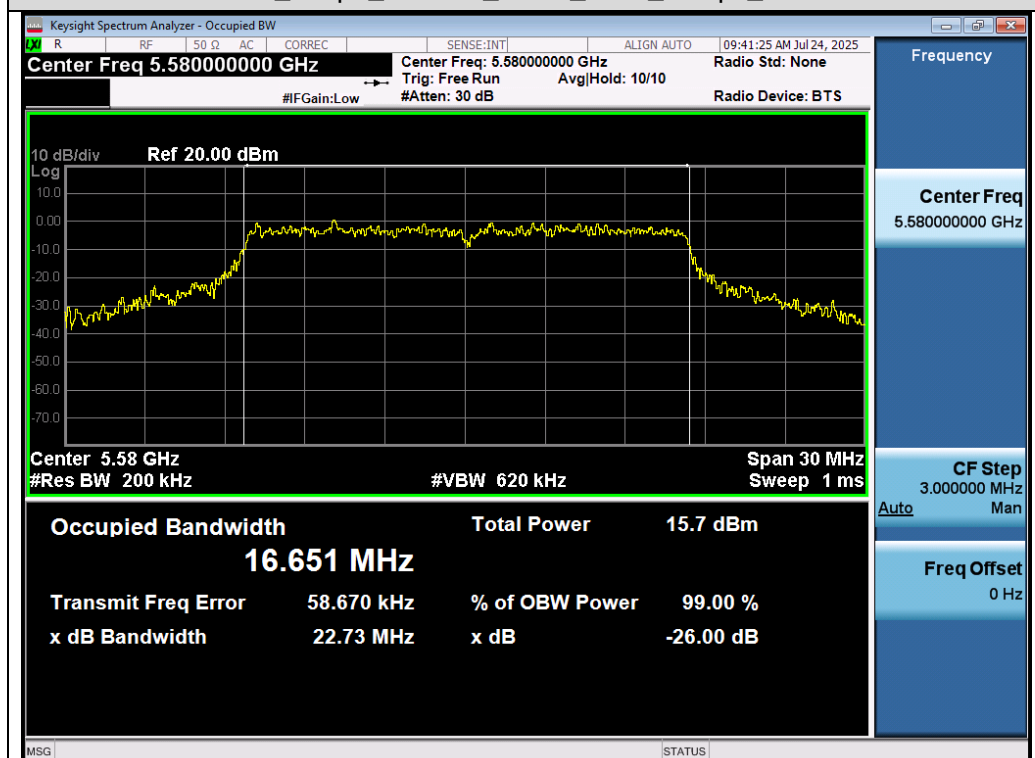


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### Test Graphs of Occupied Bandwidth and -26dB Bandwidth for band 5.470-5.725 GHz

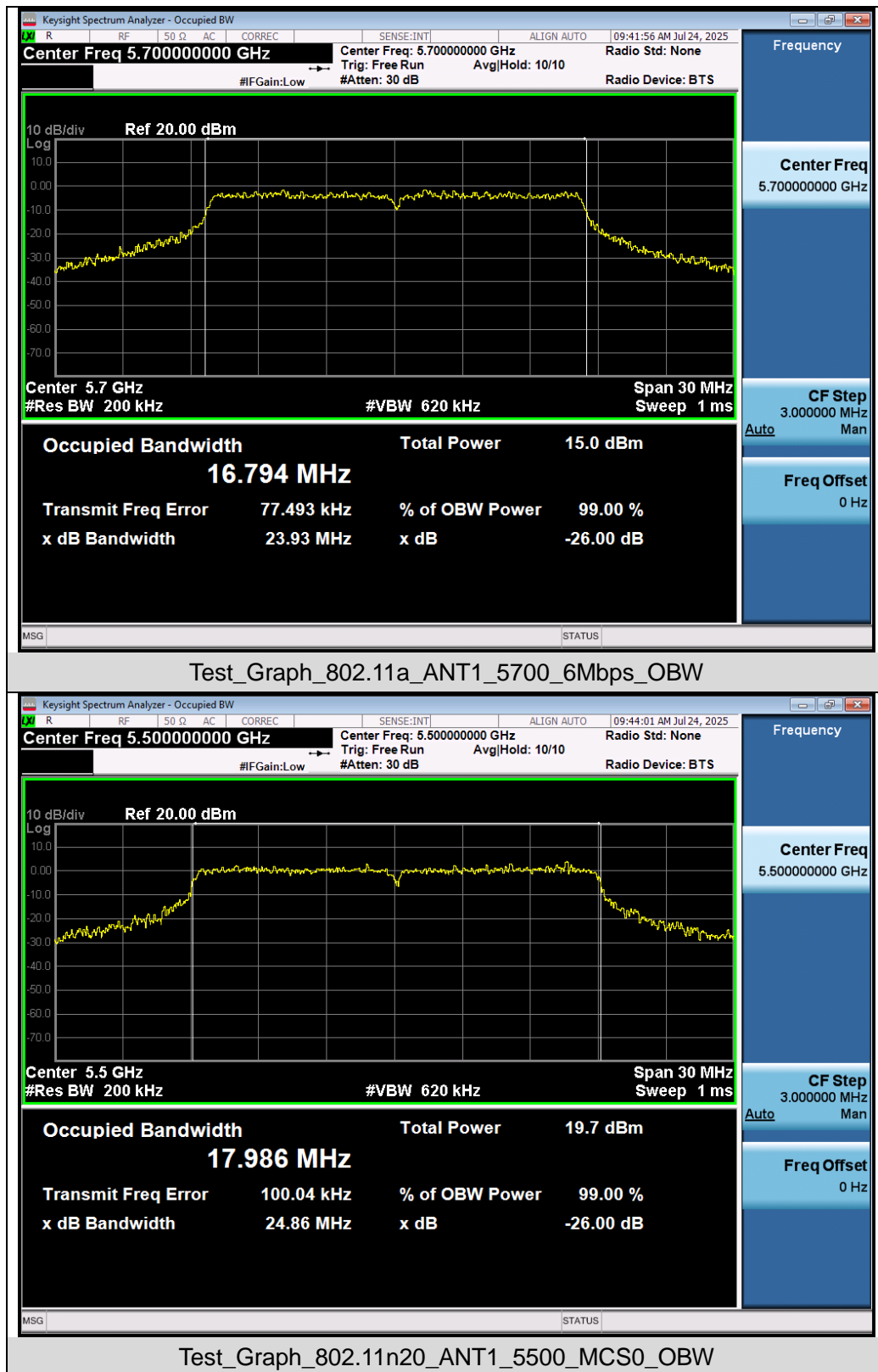


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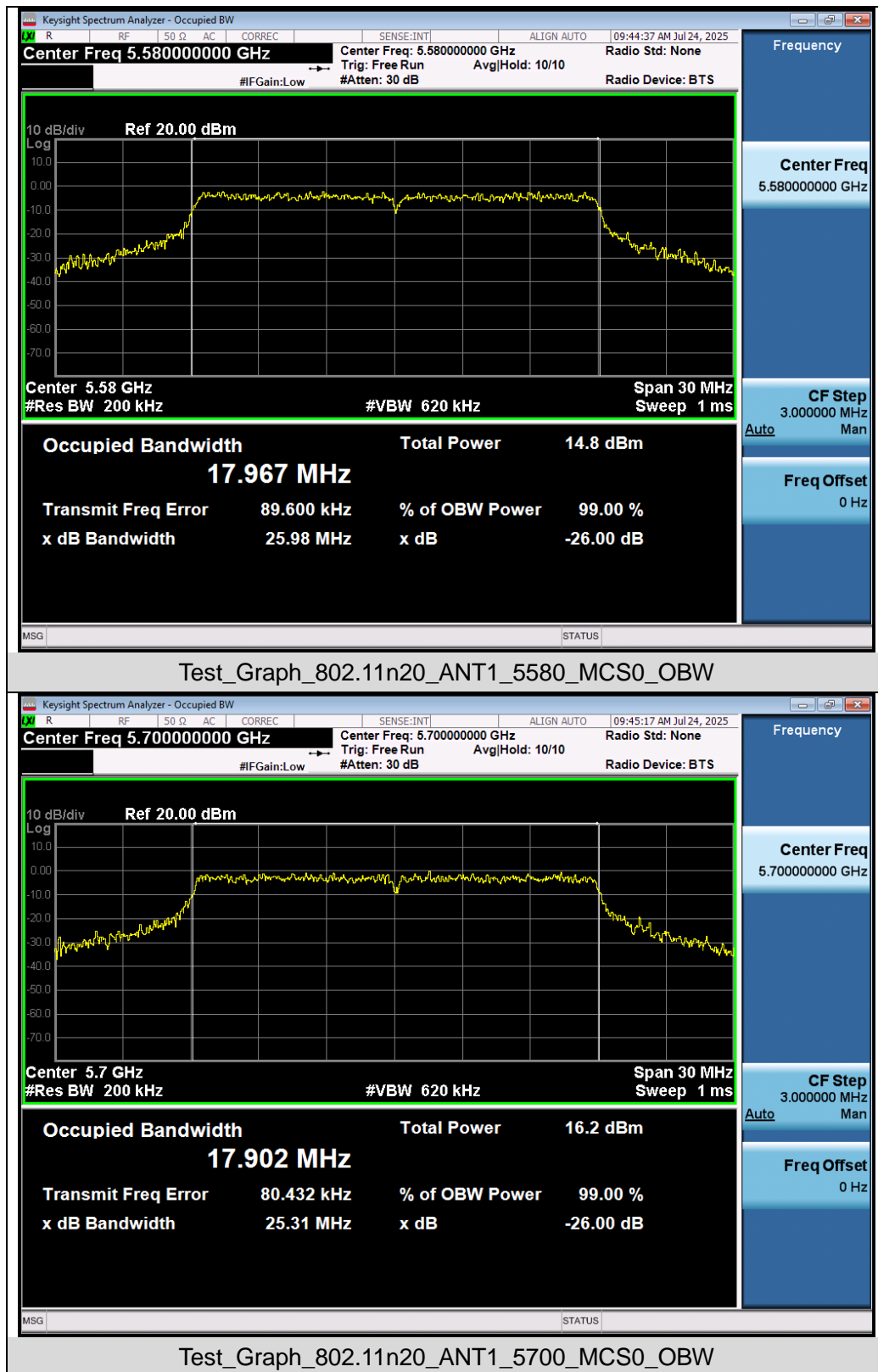
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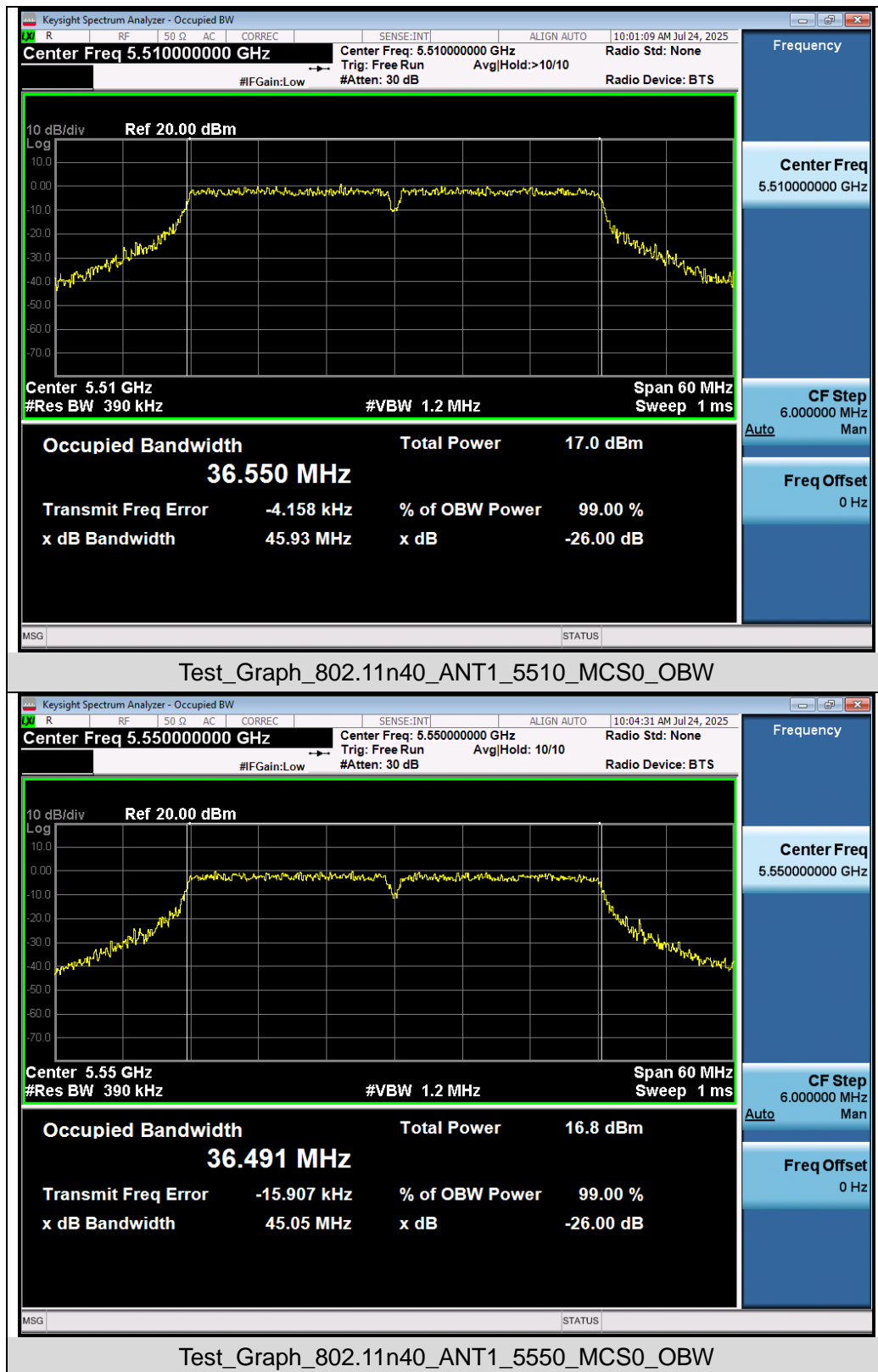


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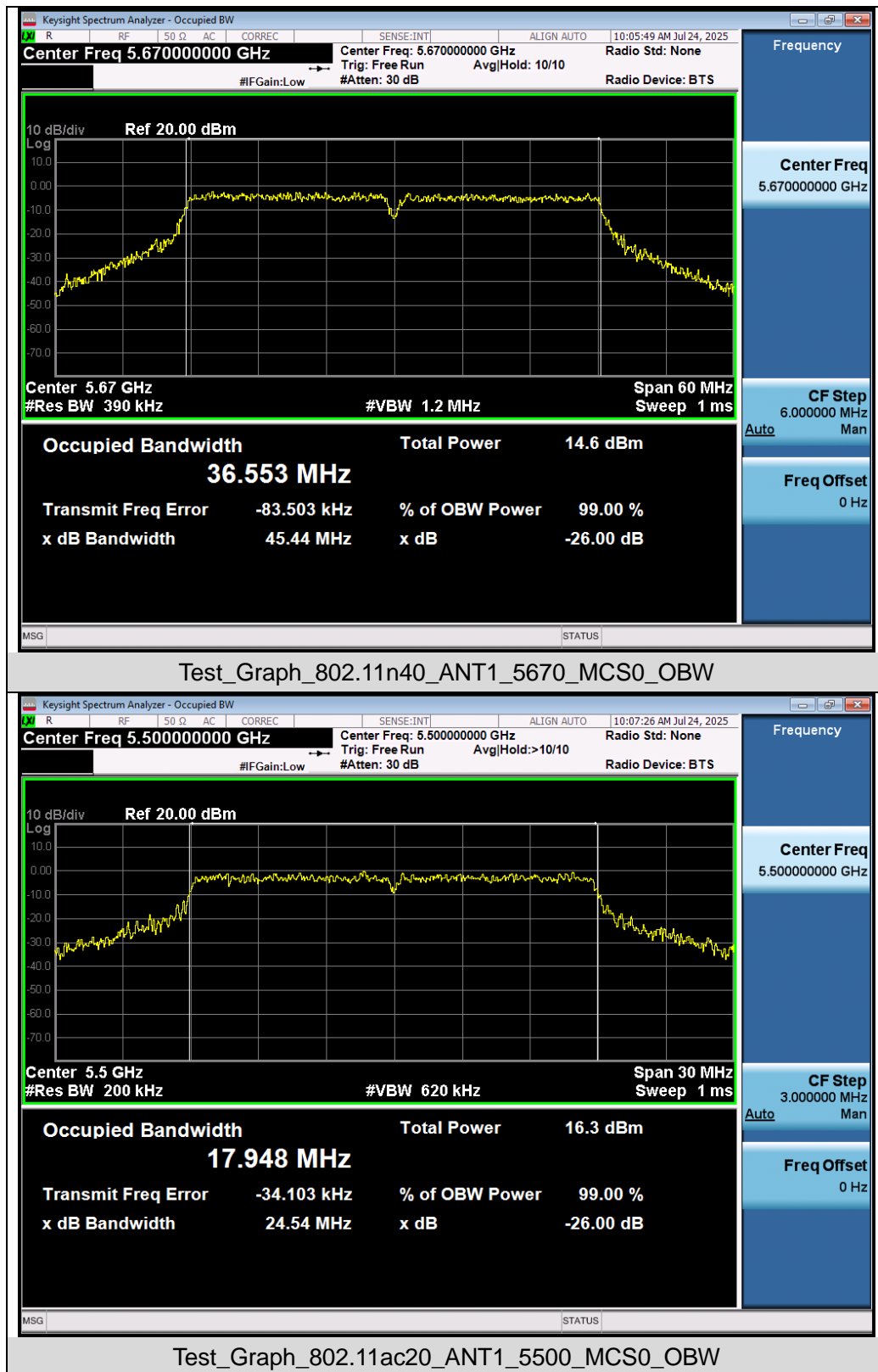




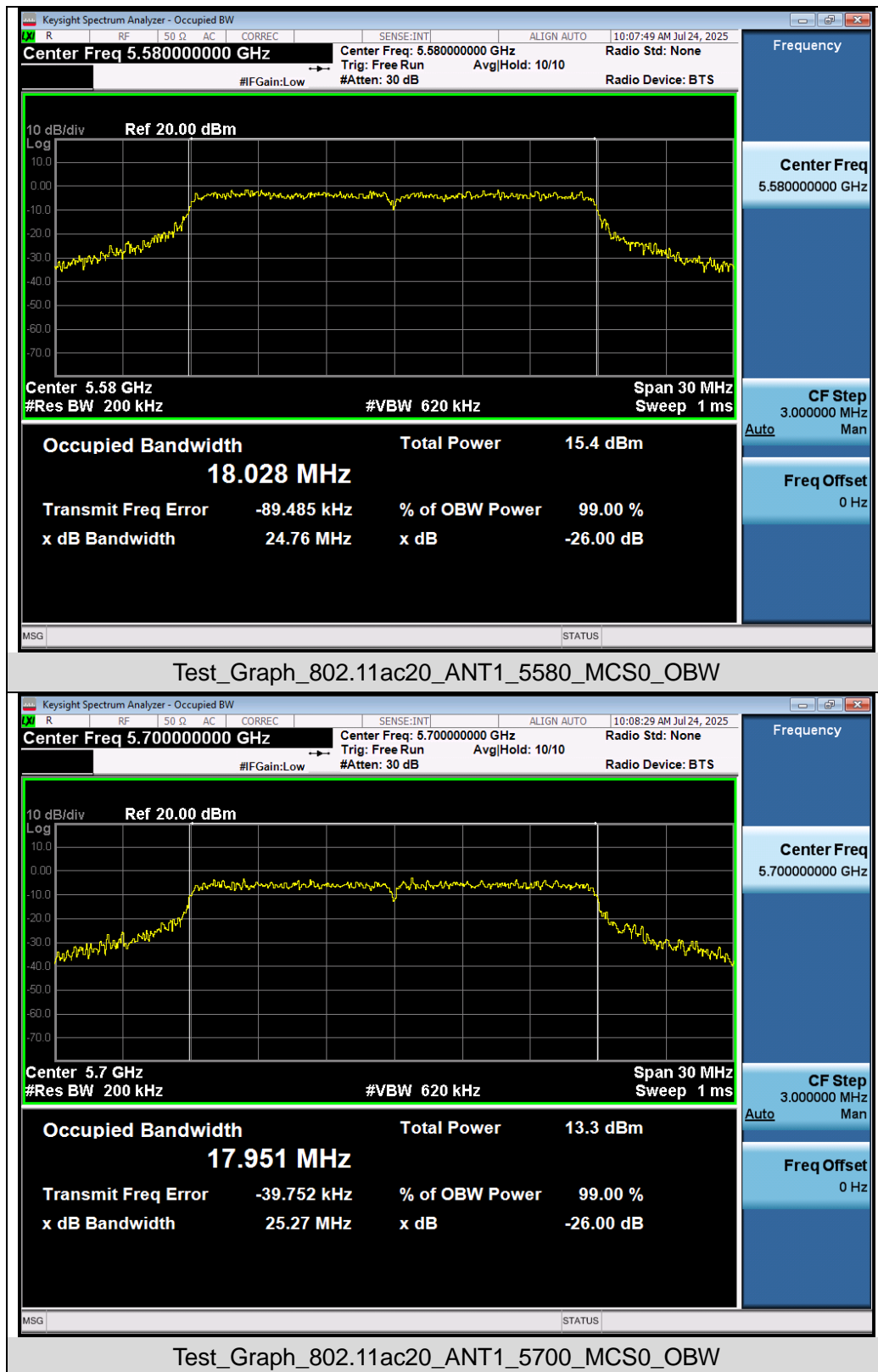
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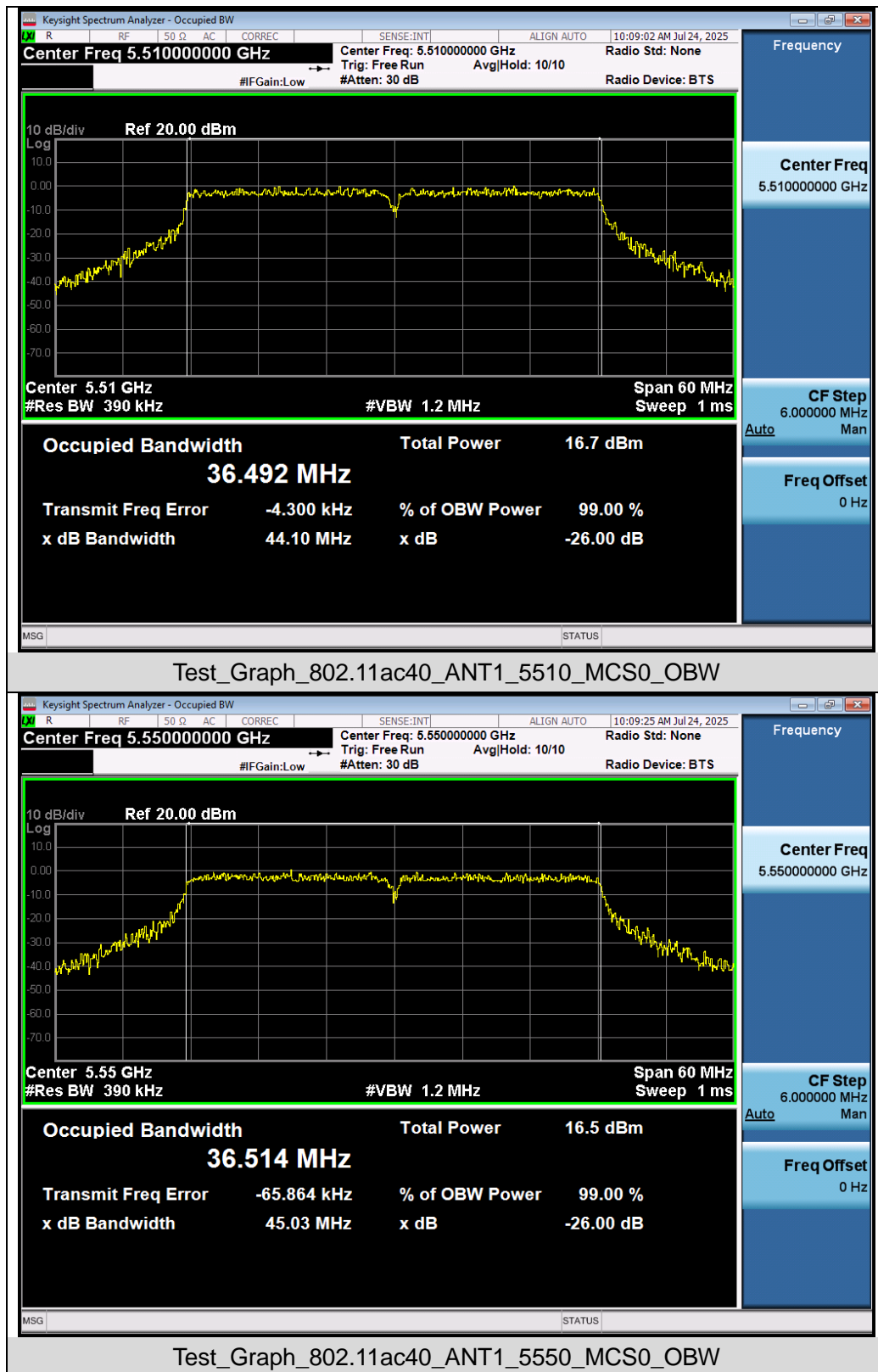


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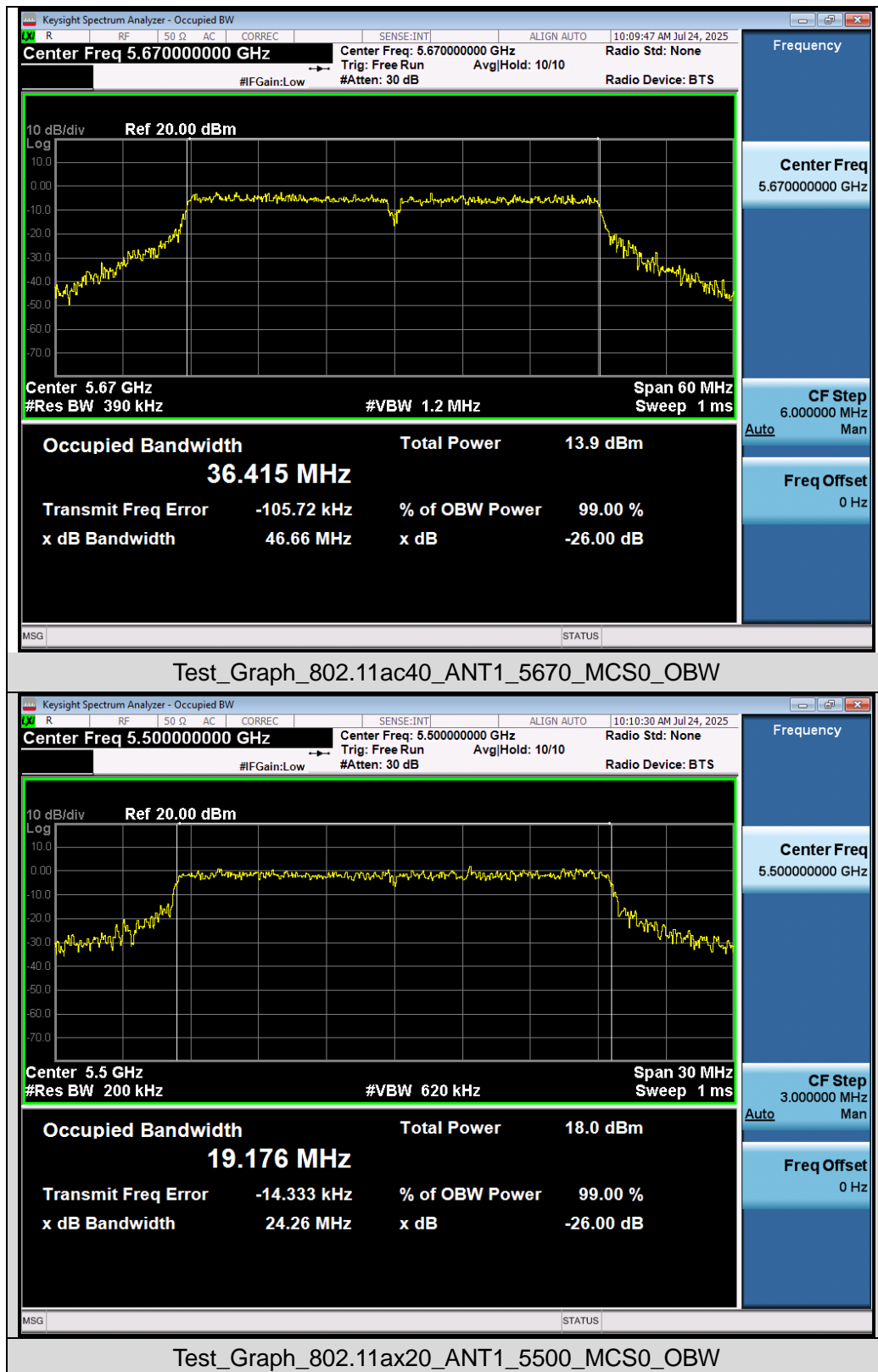
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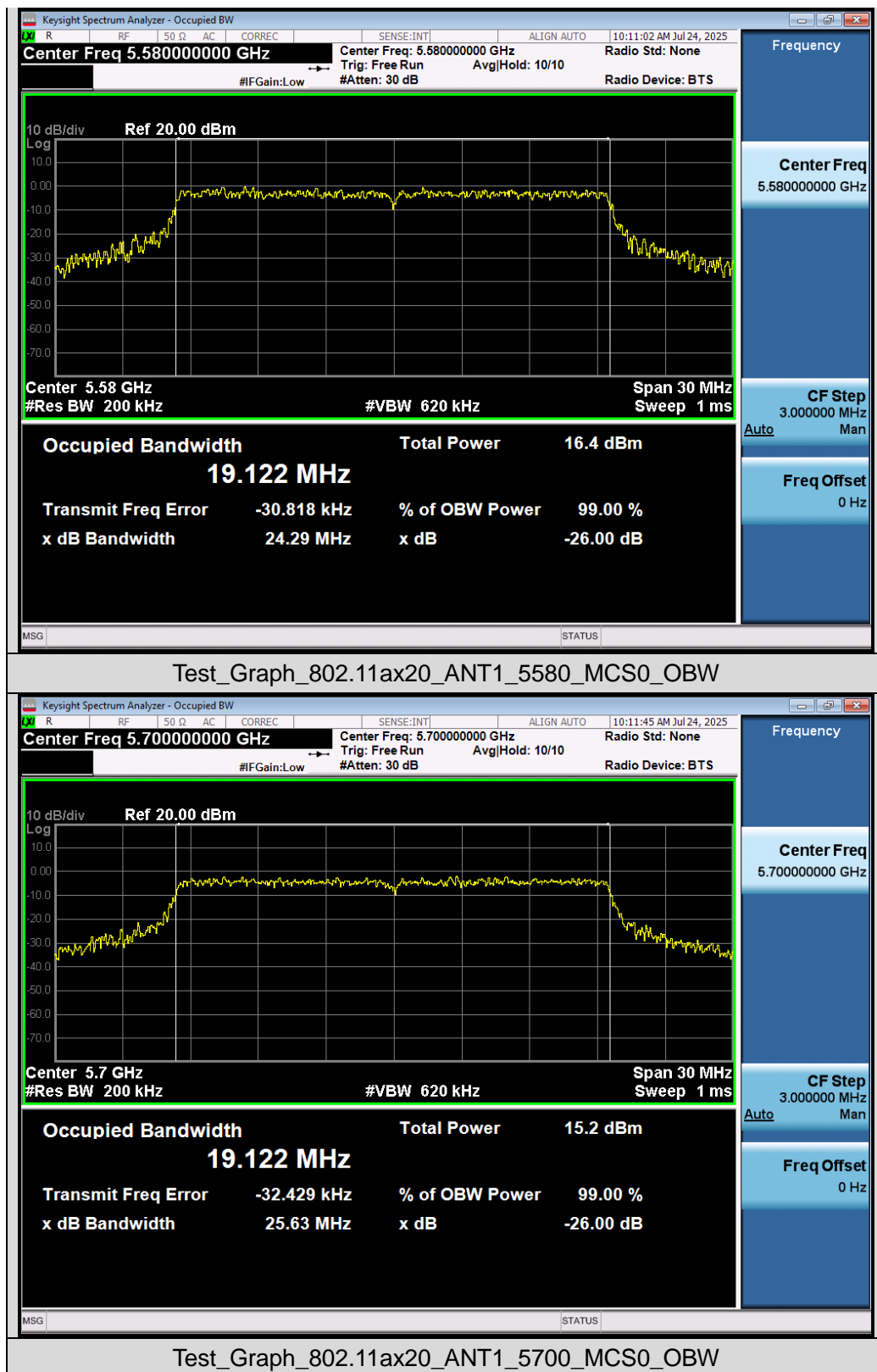


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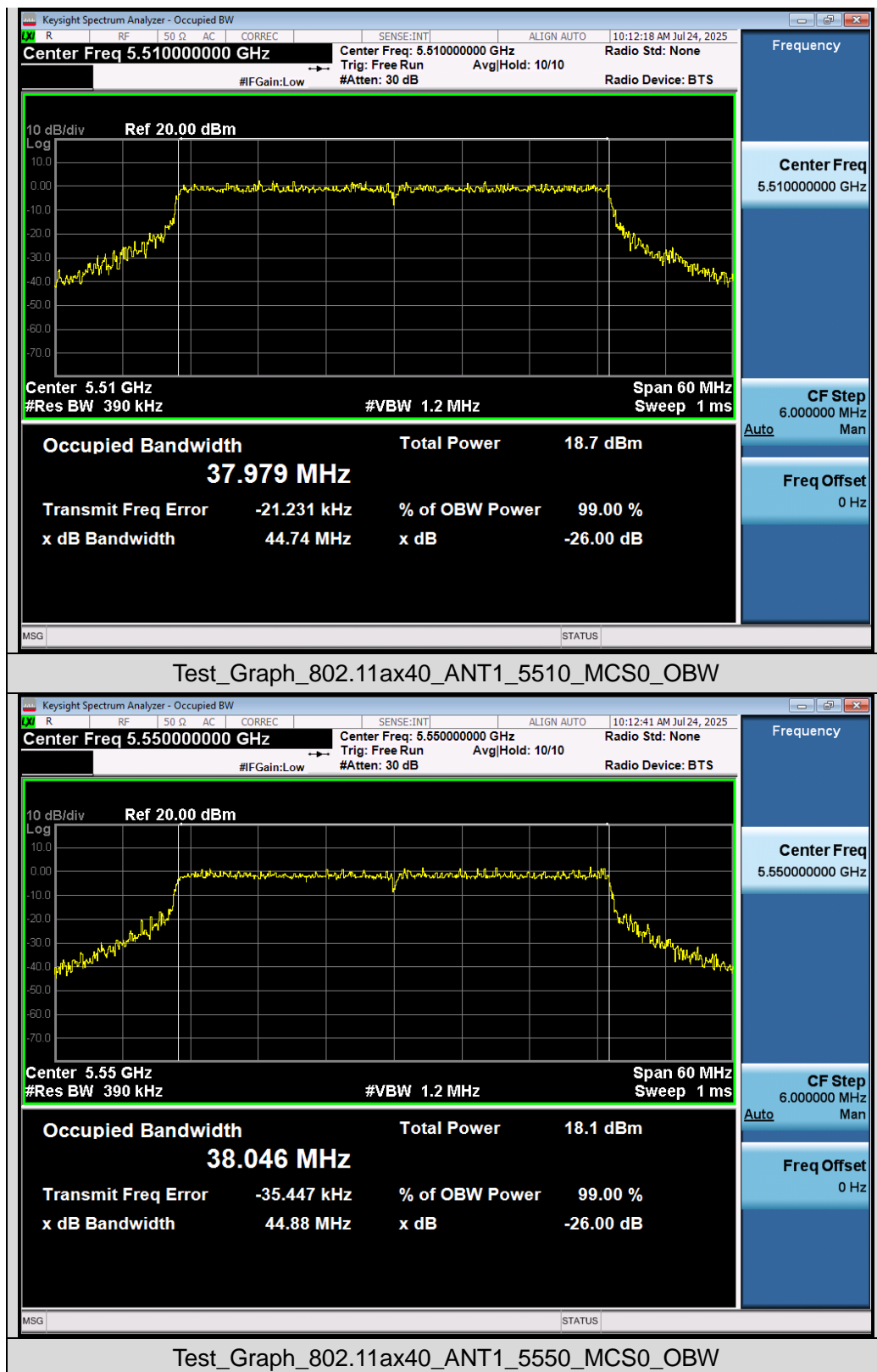


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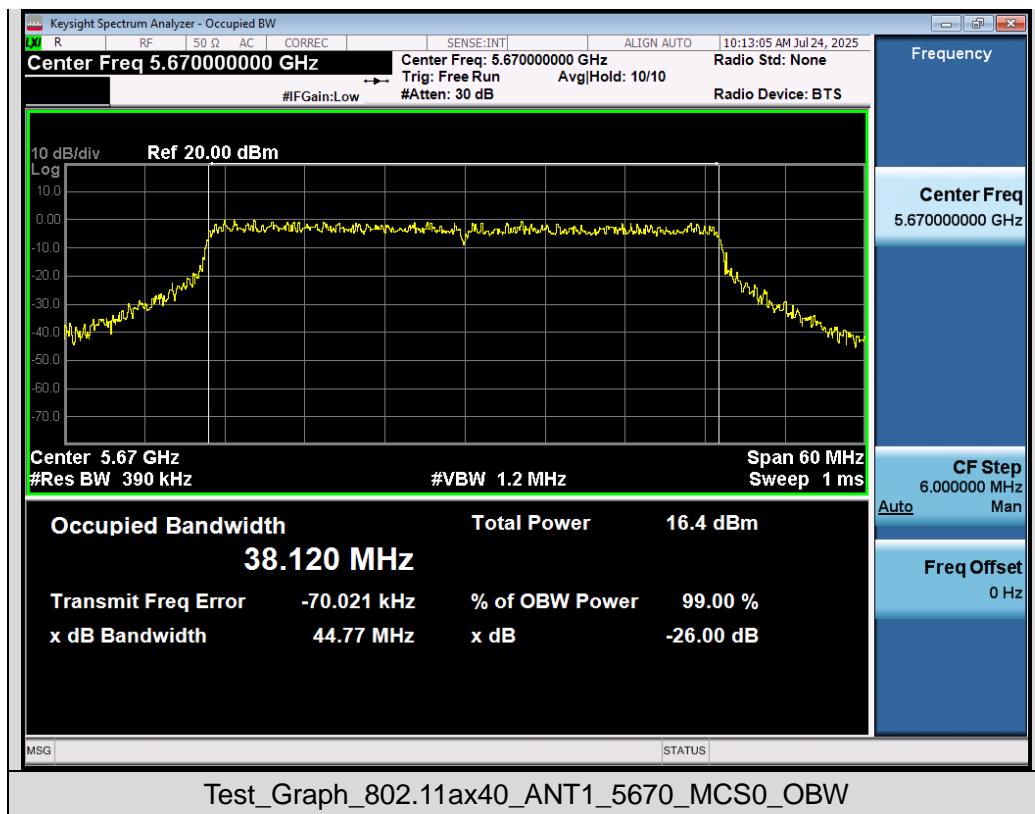


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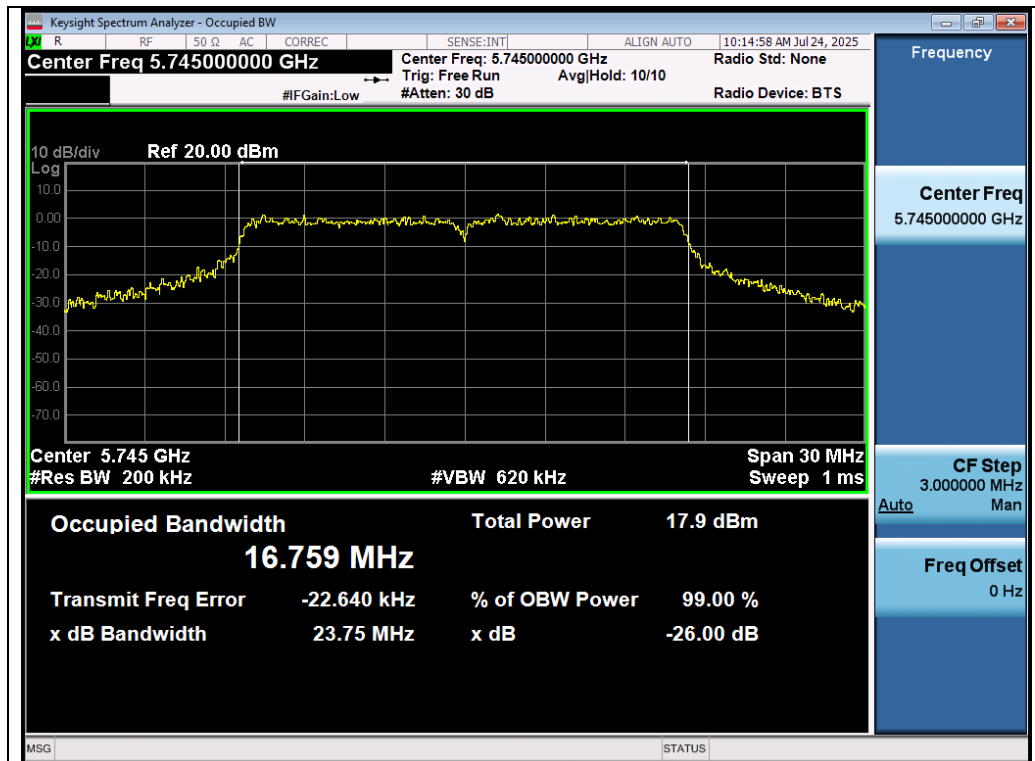
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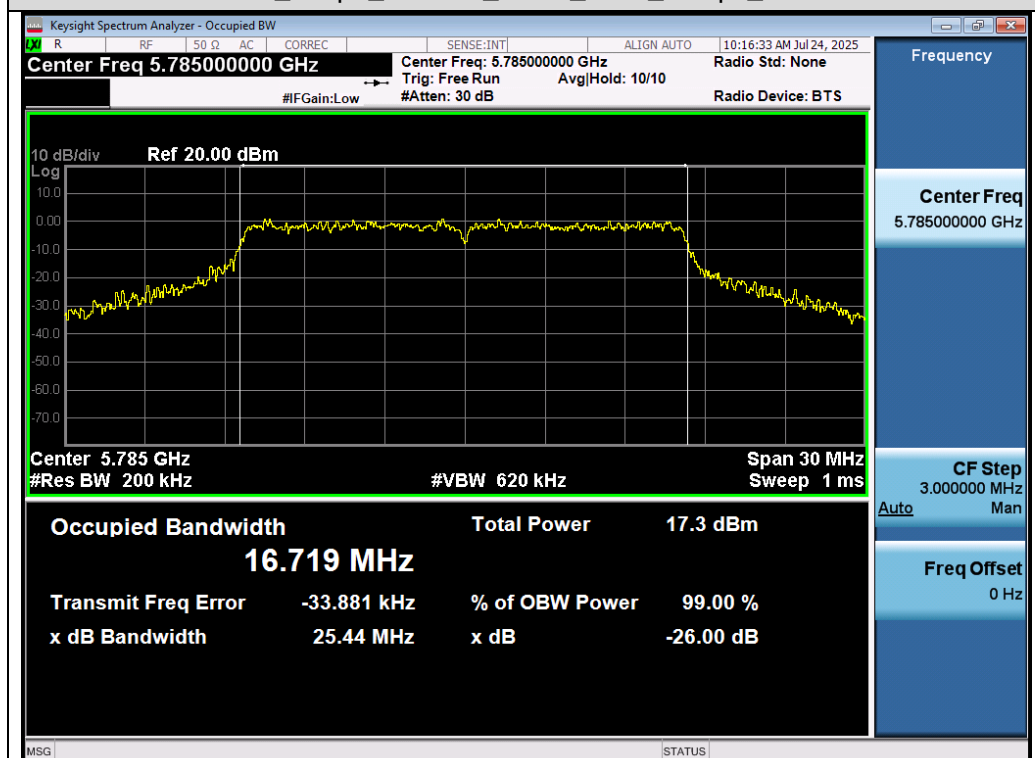
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### Test Graphs of Occupied Bandwidth and -26dB Bandwidth for band 5.745-5.825 GHz



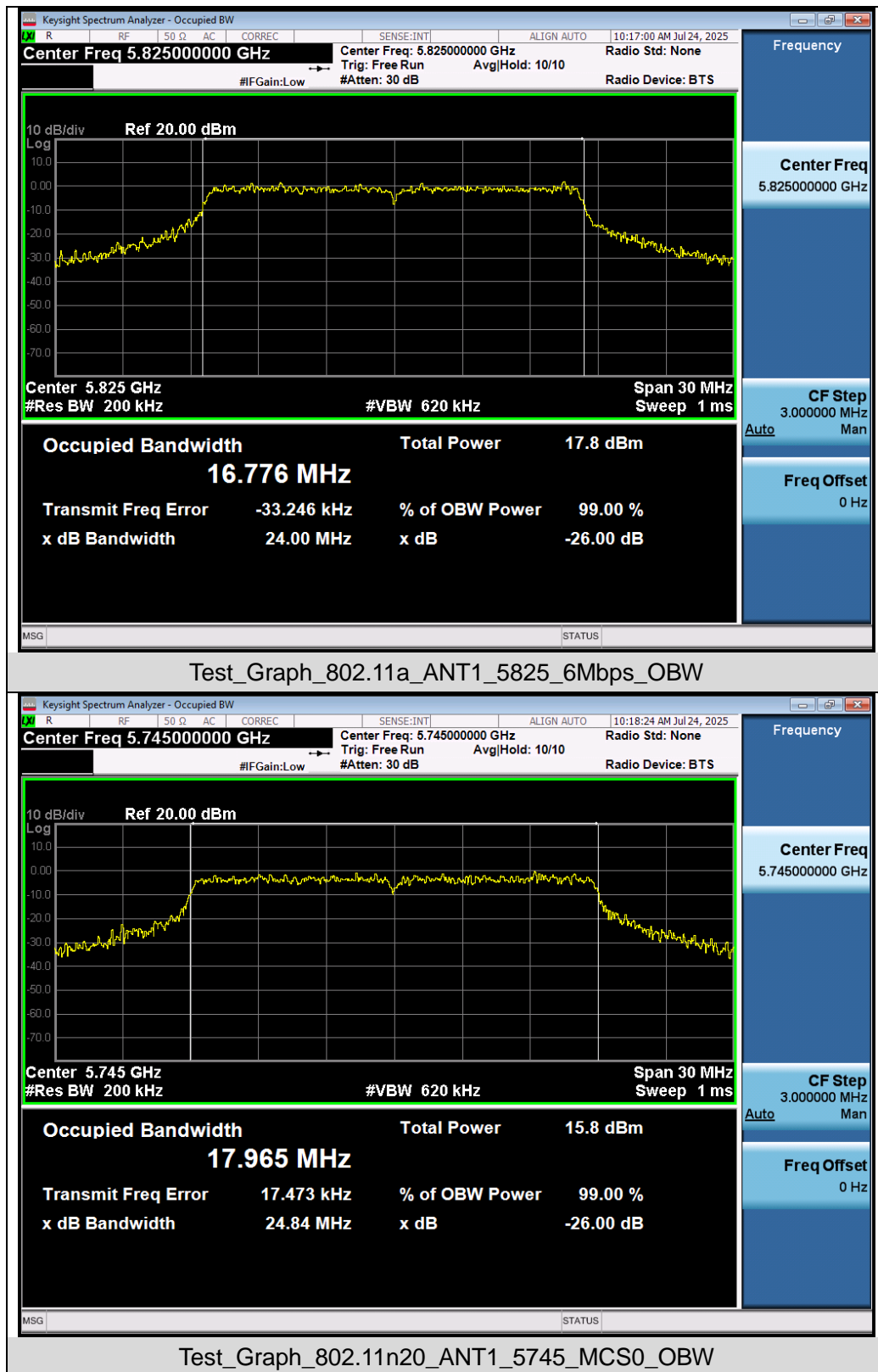
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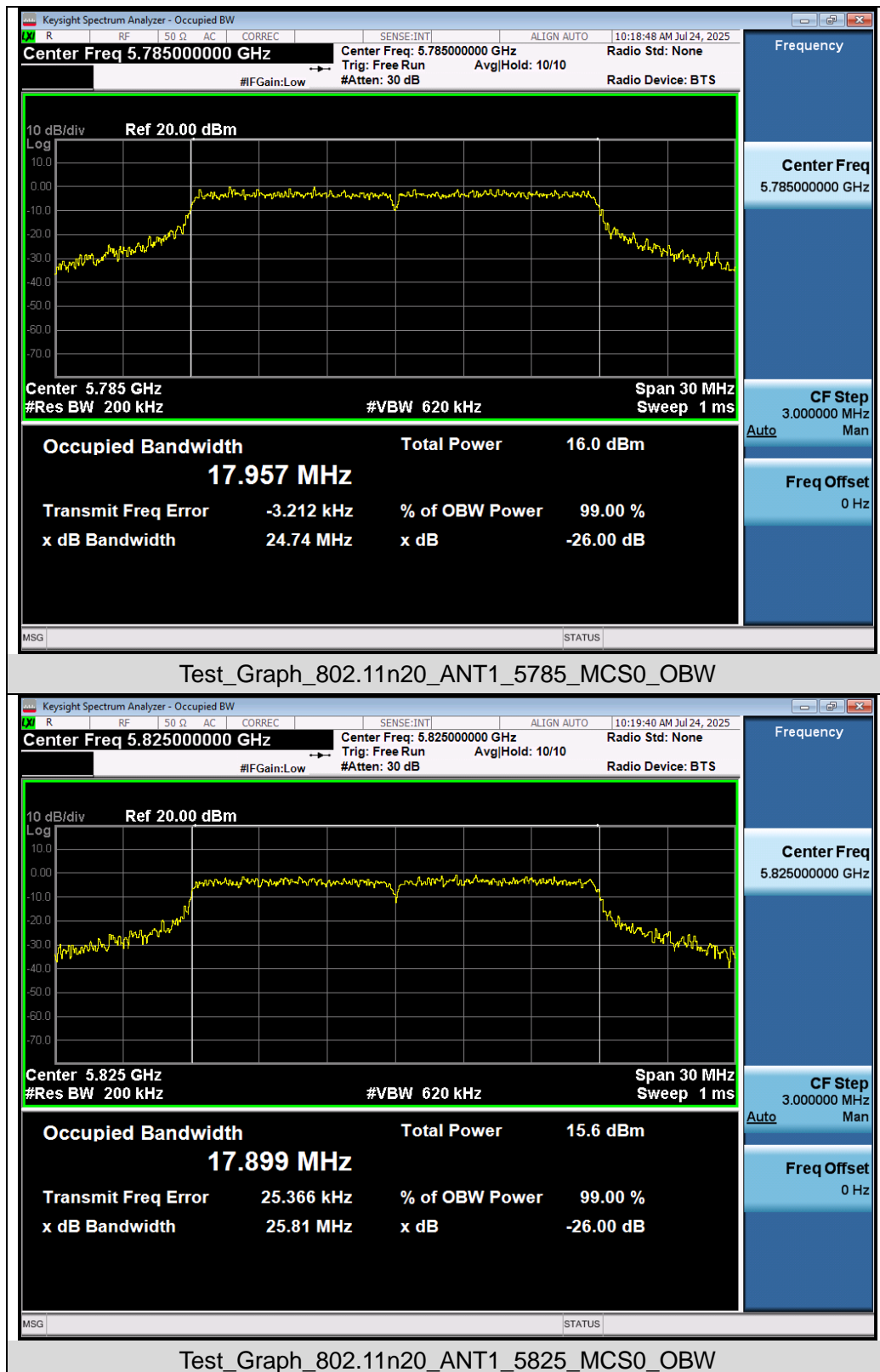
Test\_Graph\_802.11a\_ANT1\_5785\_6Mbps\_OBW

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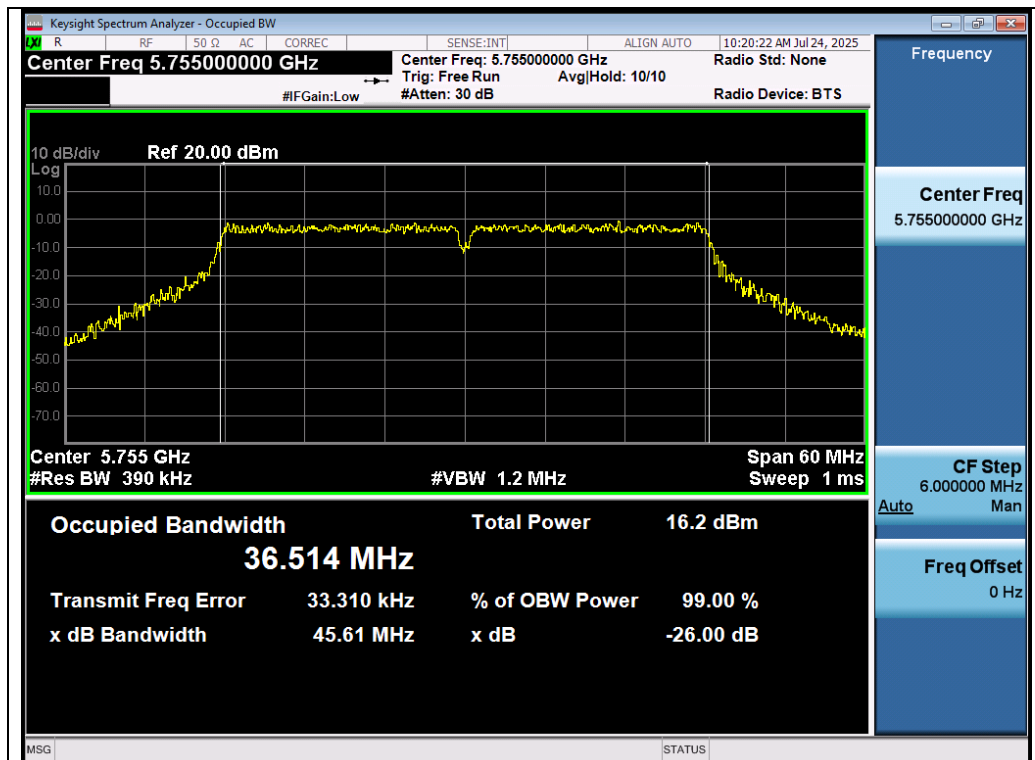




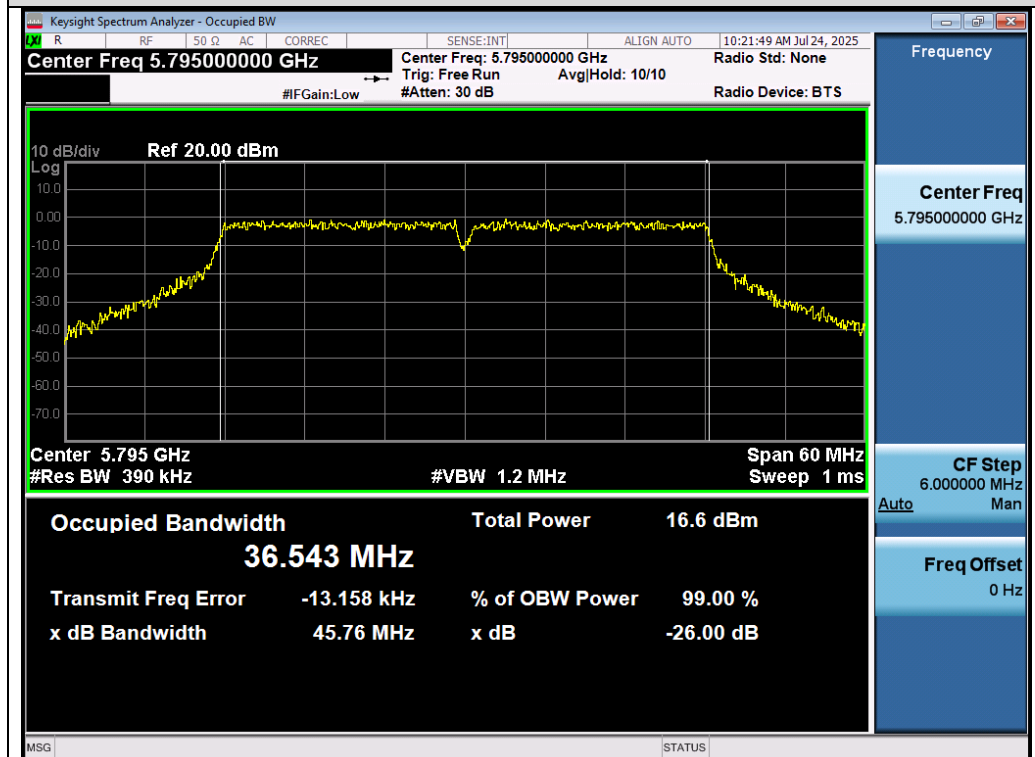
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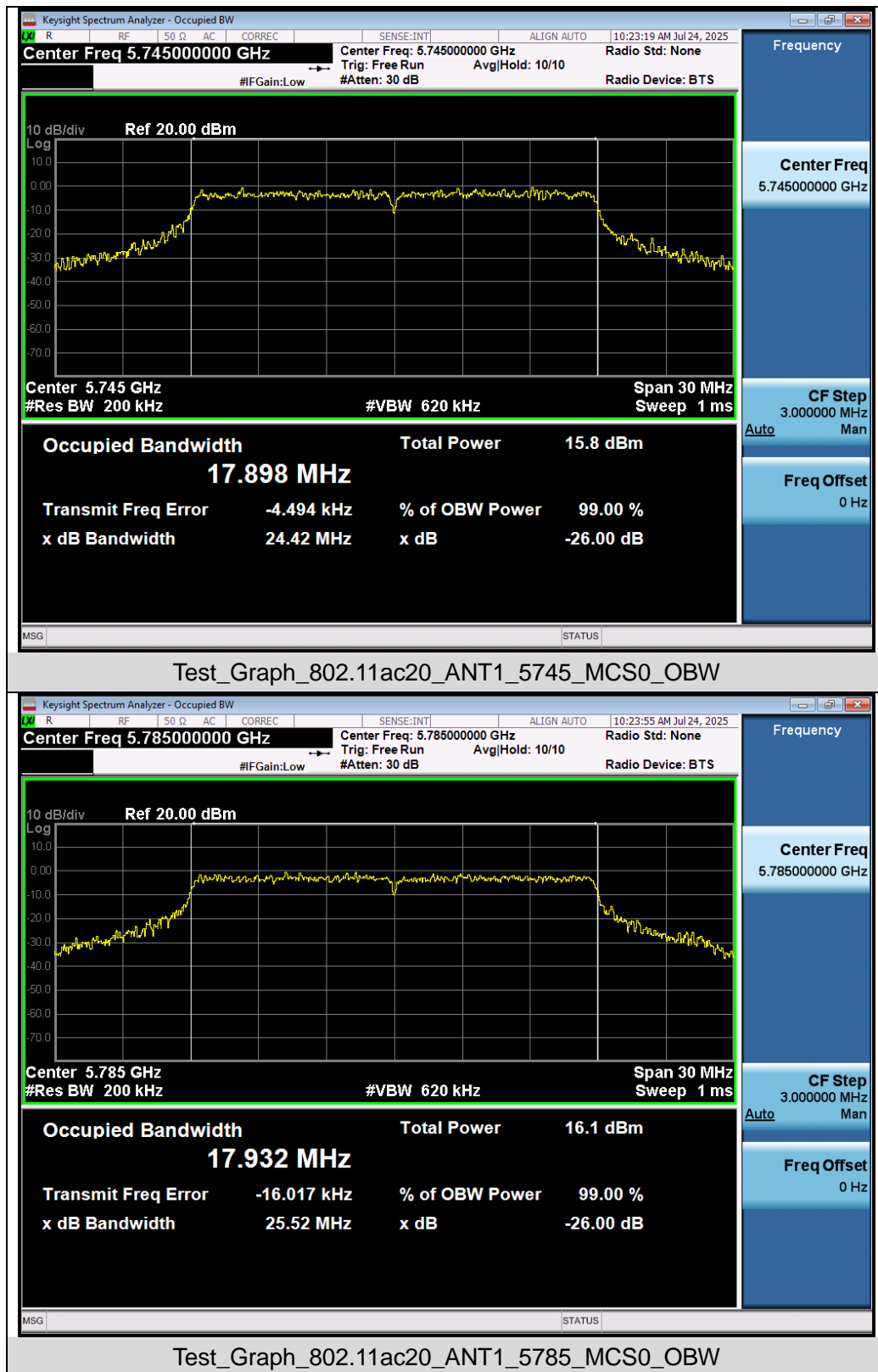


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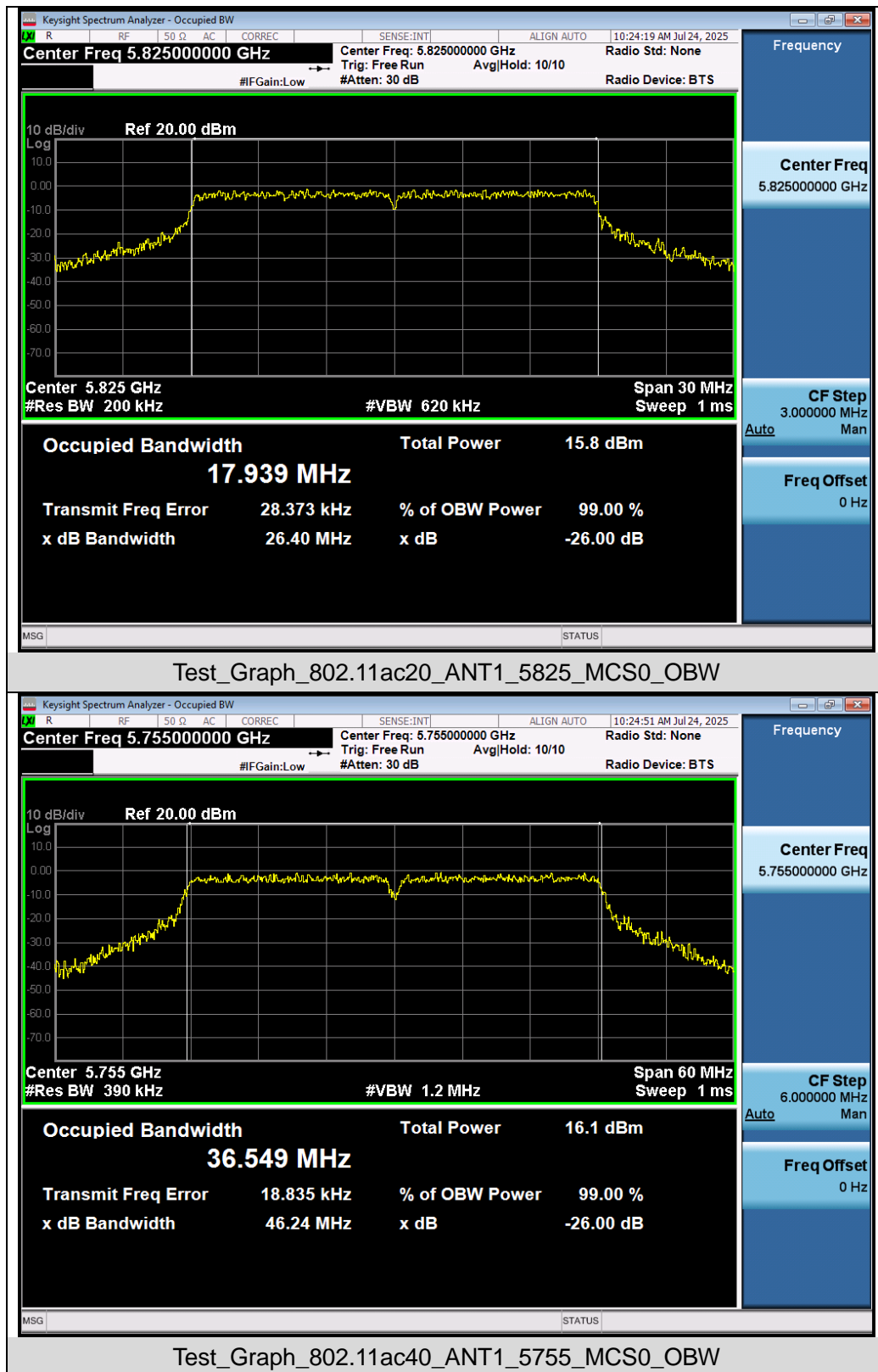


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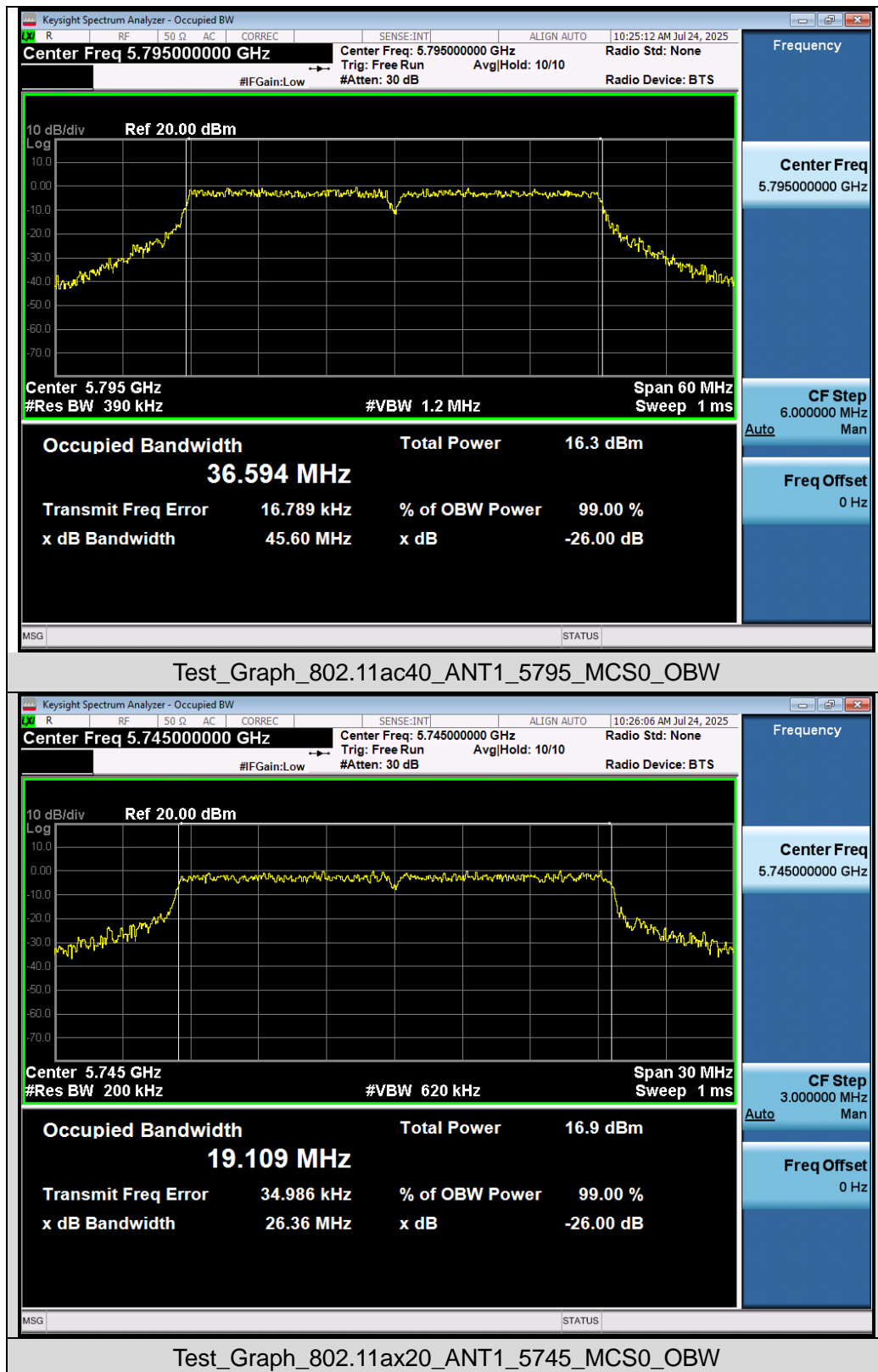


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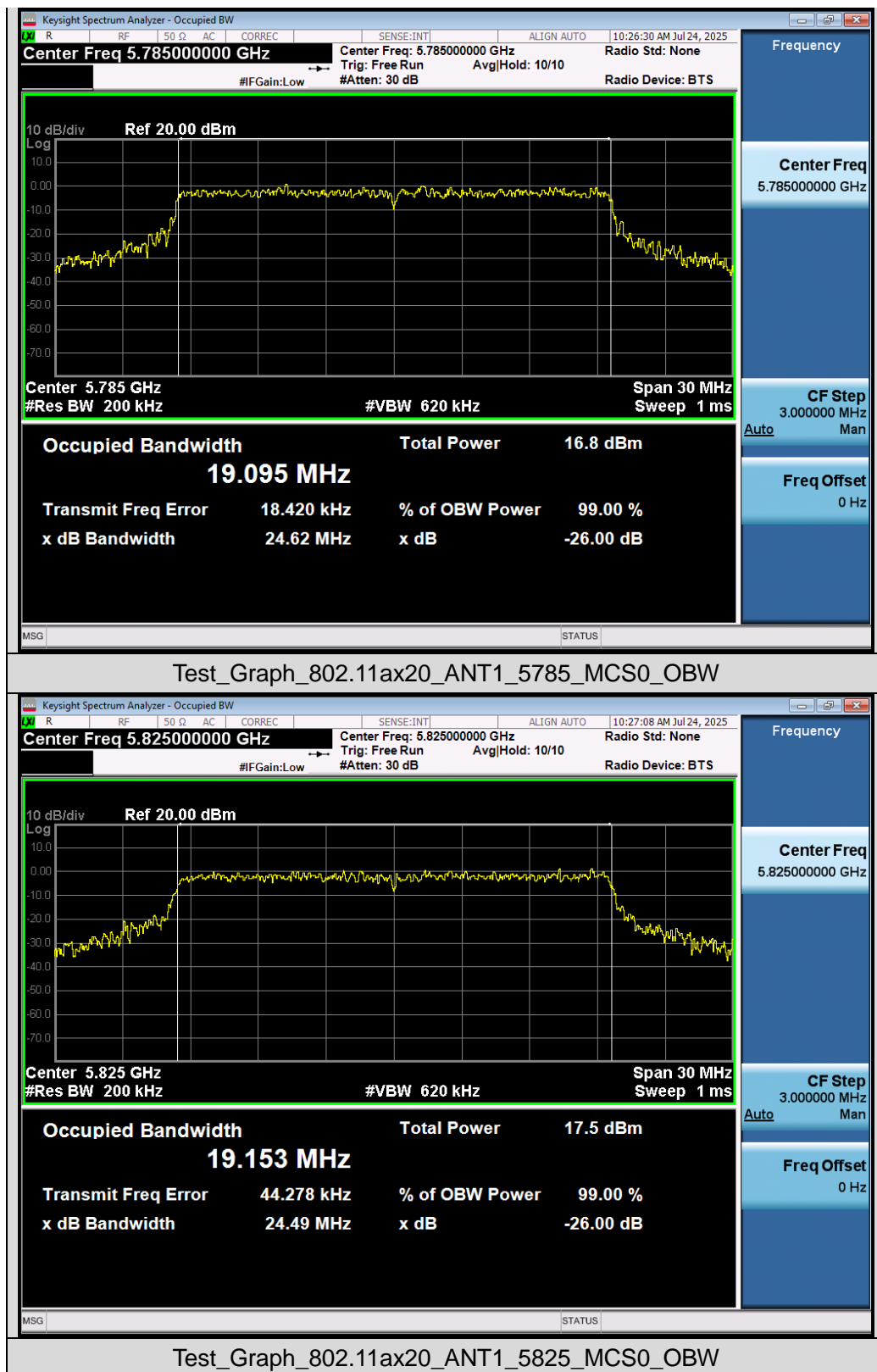


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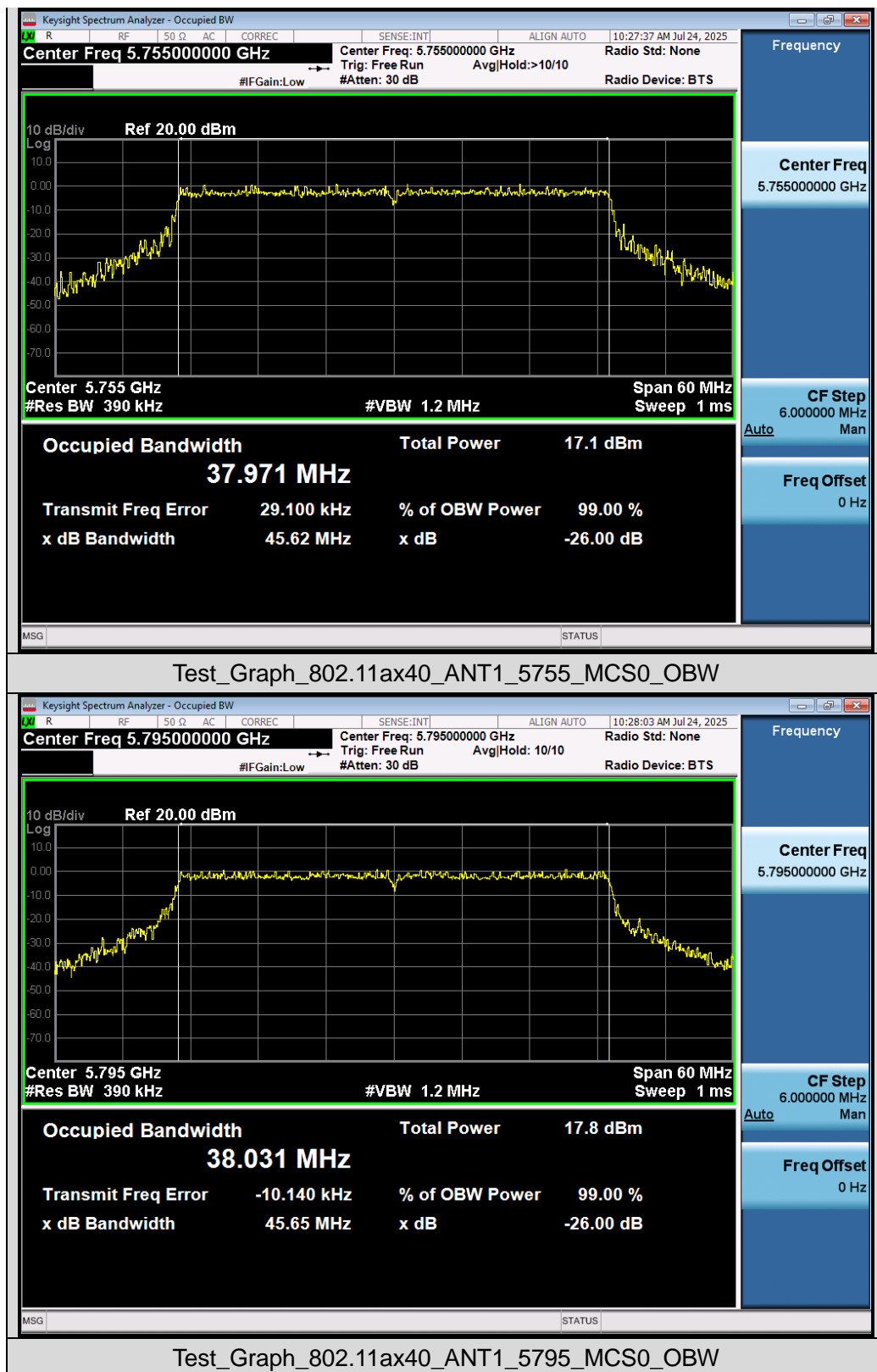


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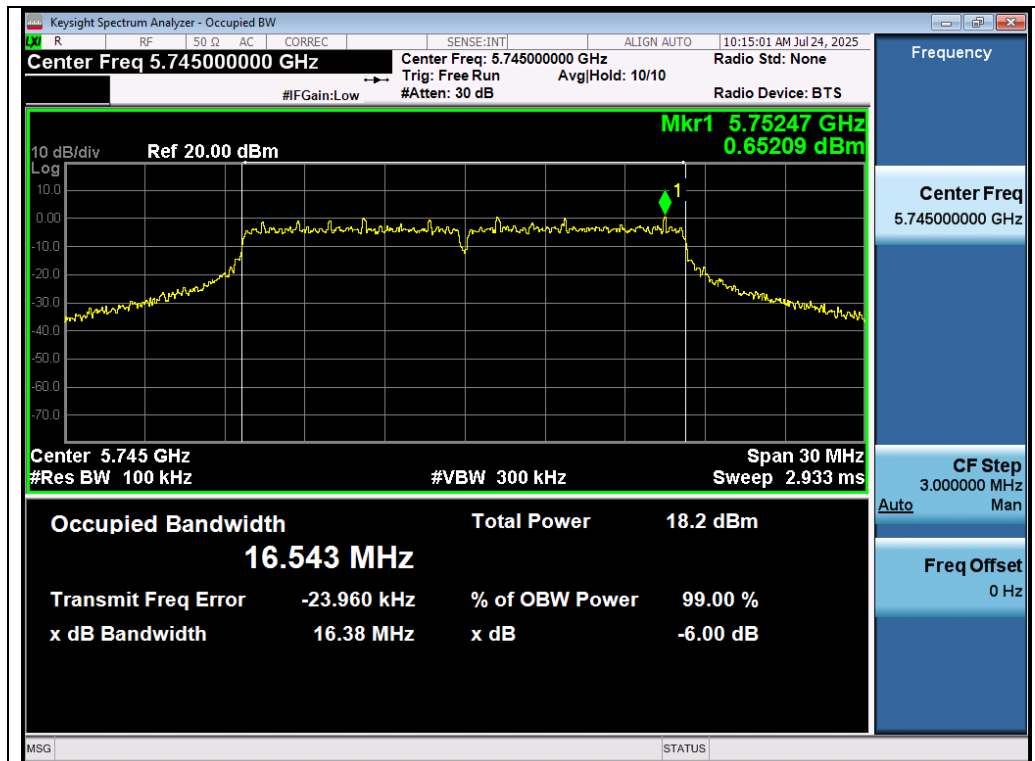
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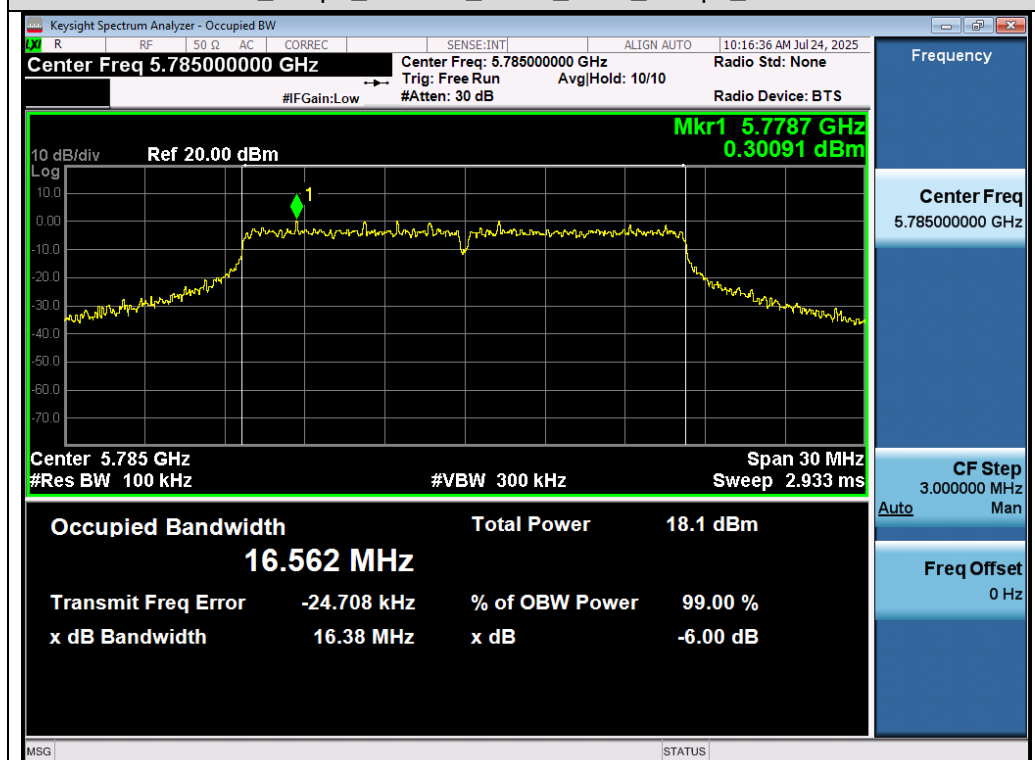
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### Test Graphs of DTS Bandwidth for band 5.725-5.85 GHz

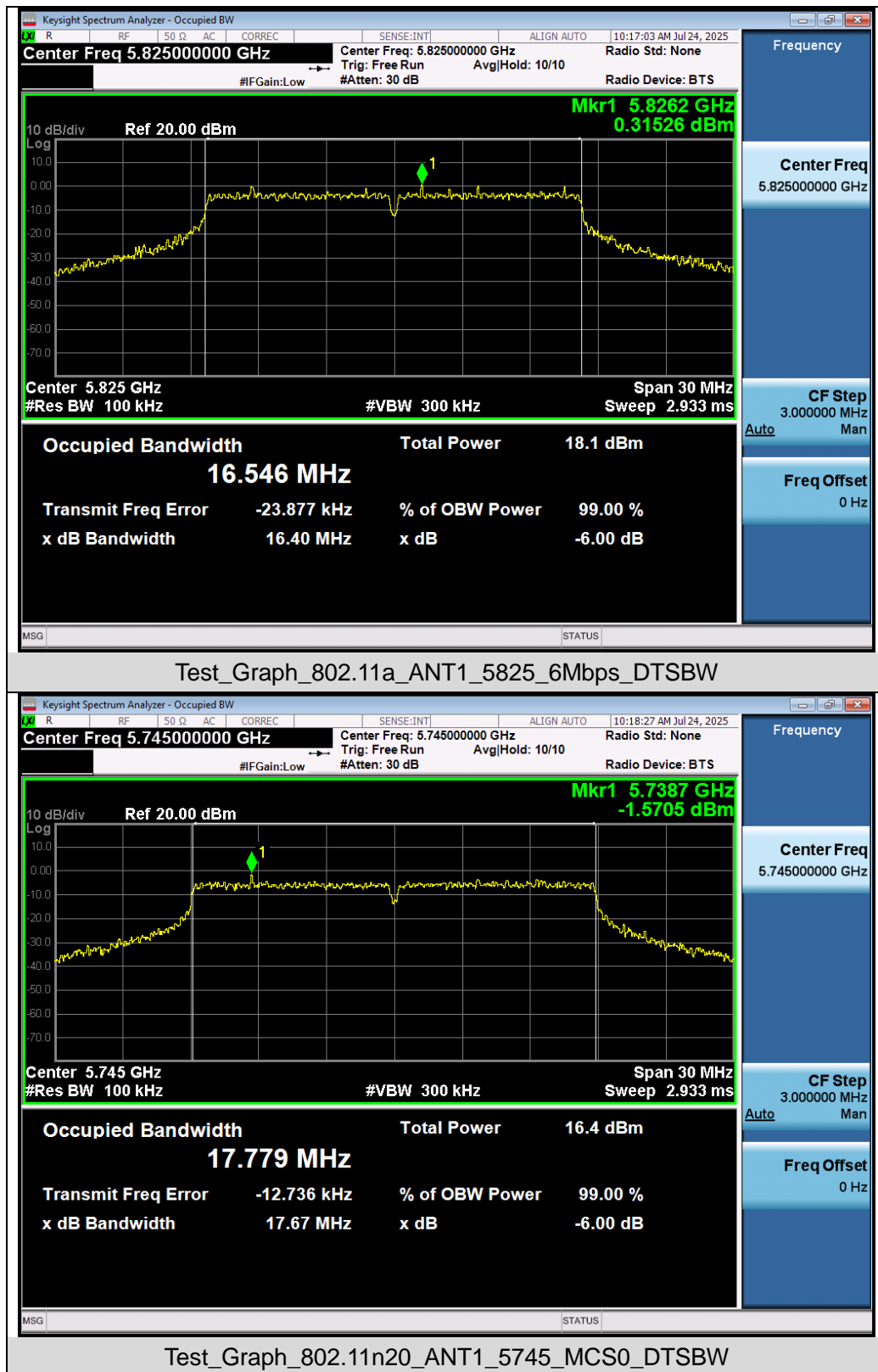


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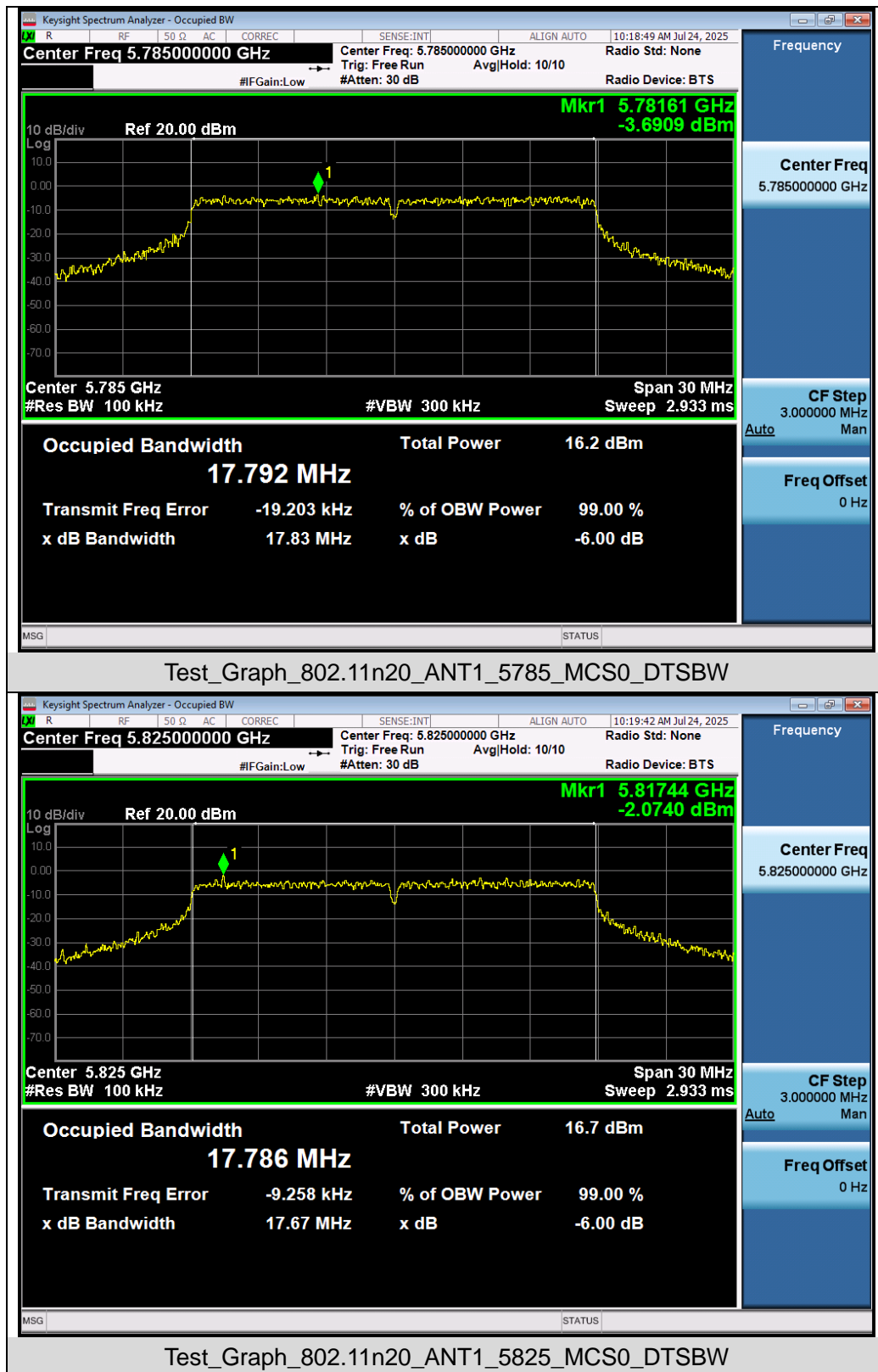
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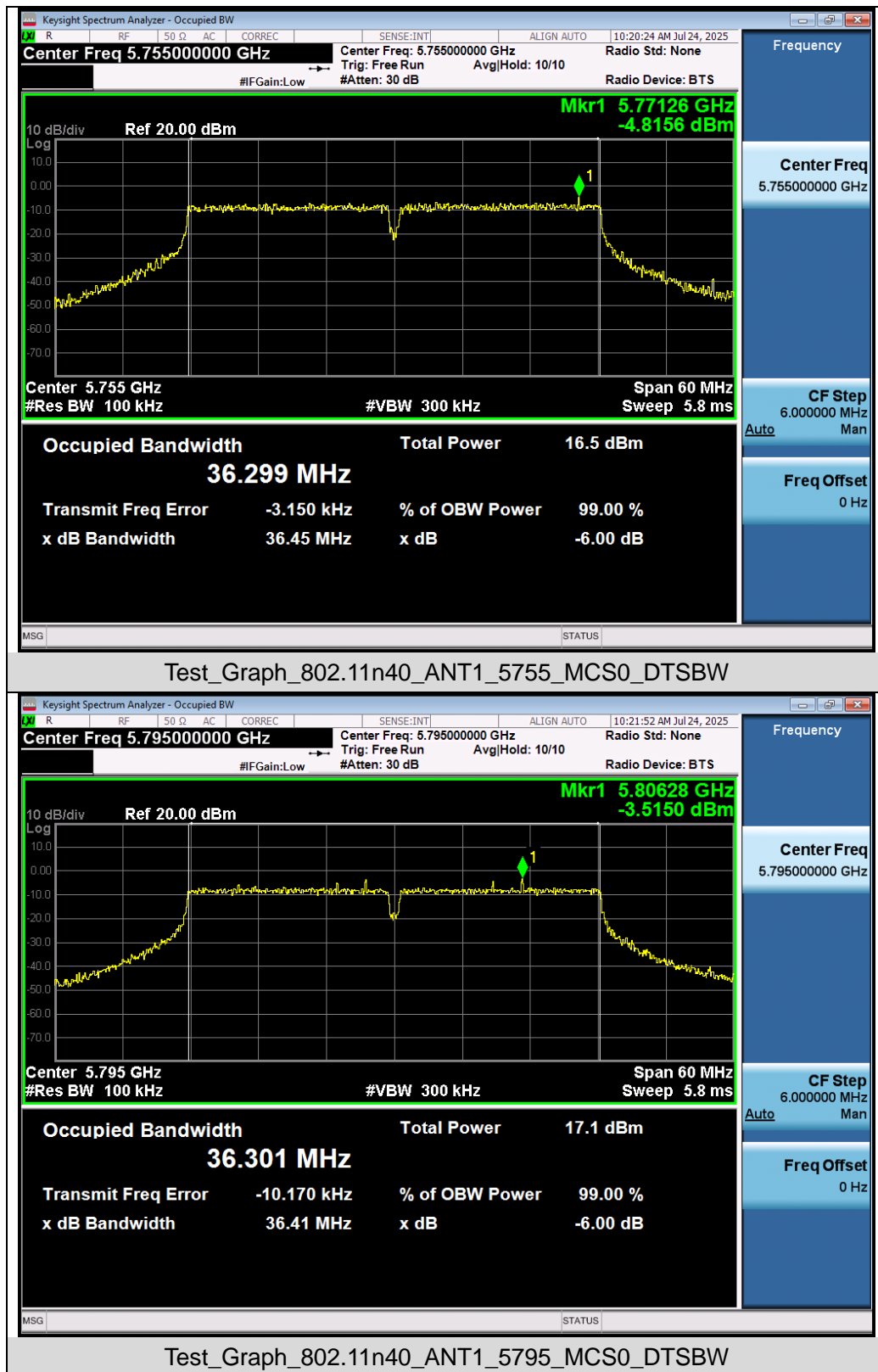
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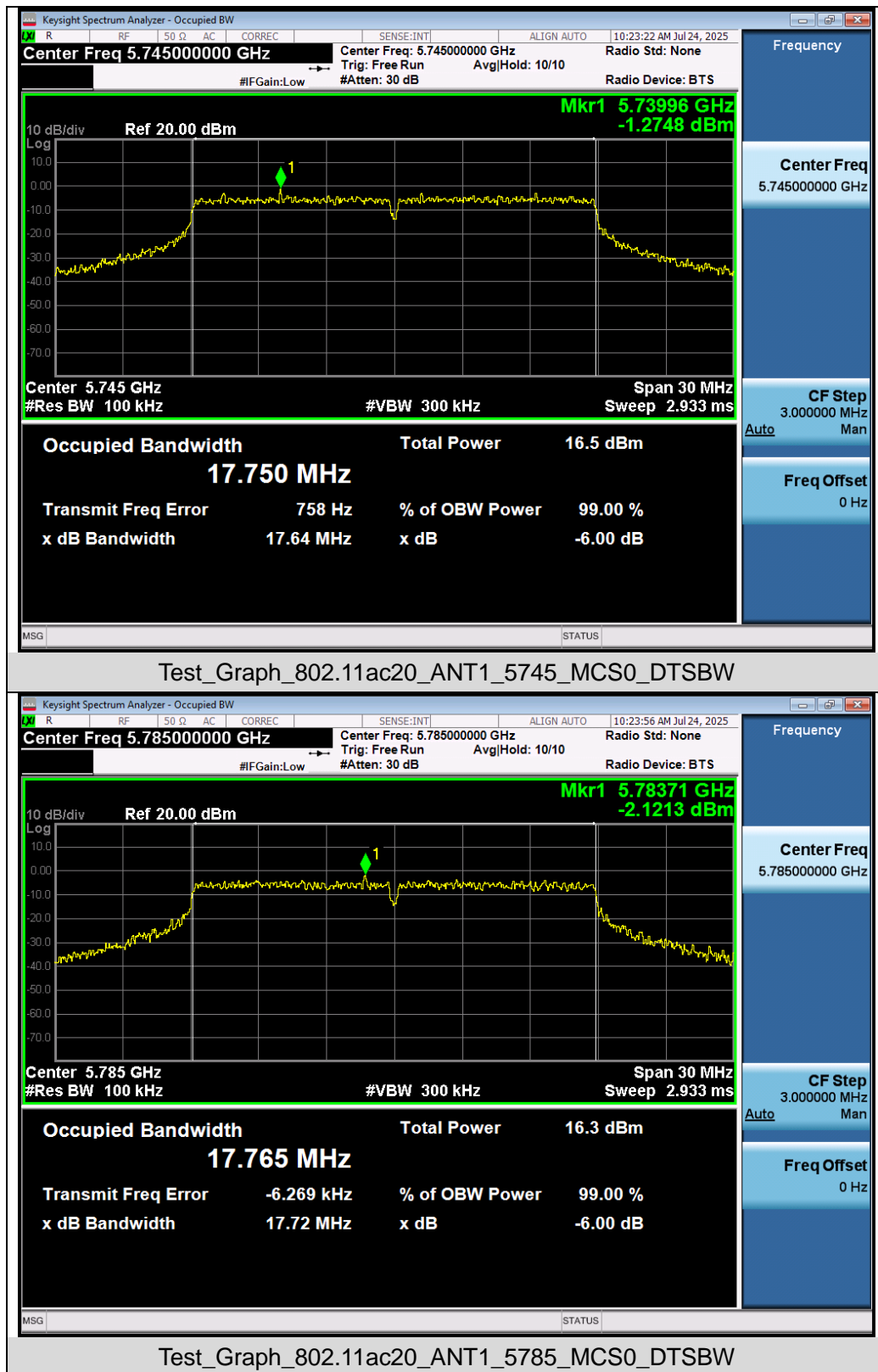
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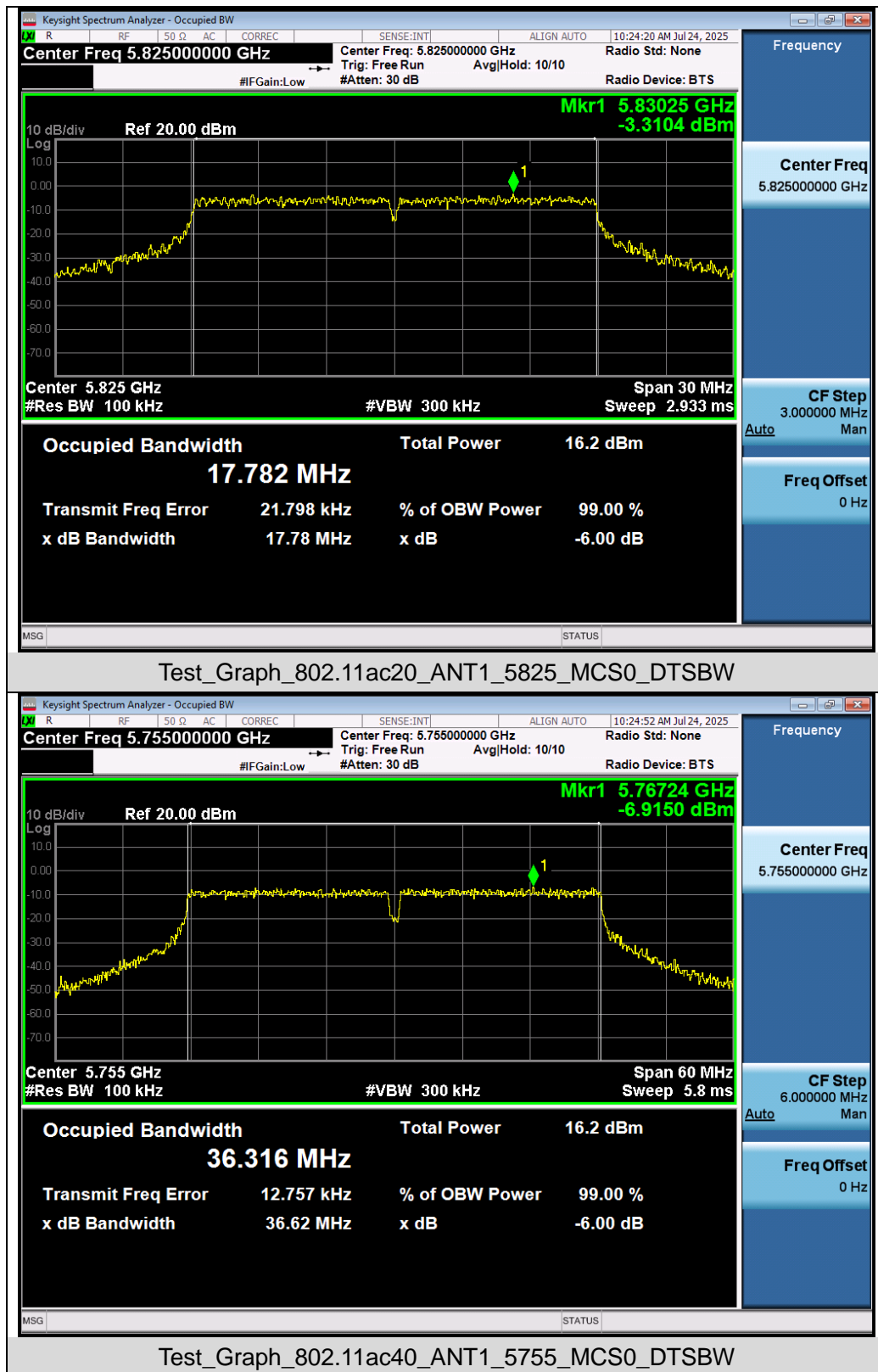
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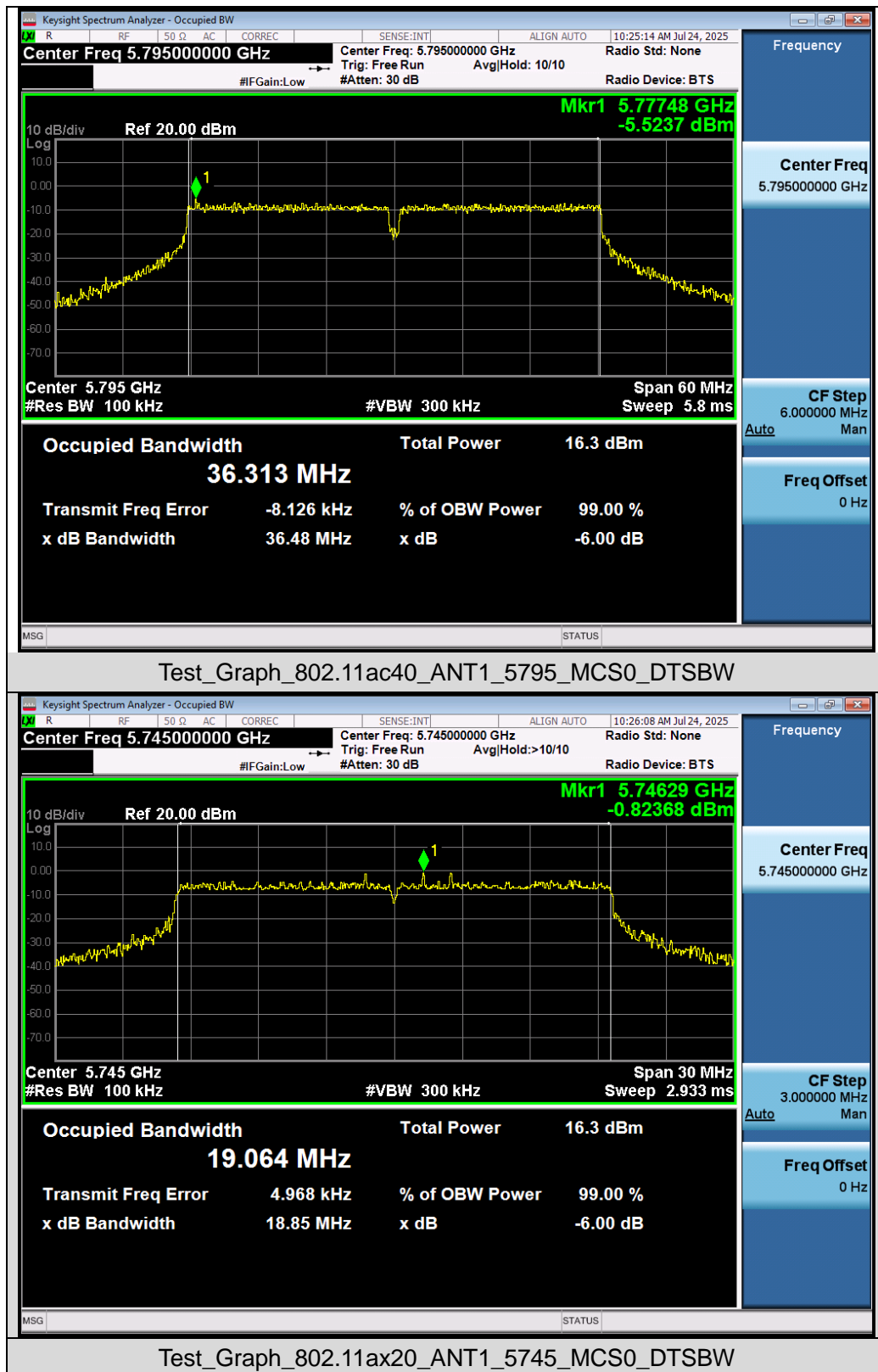


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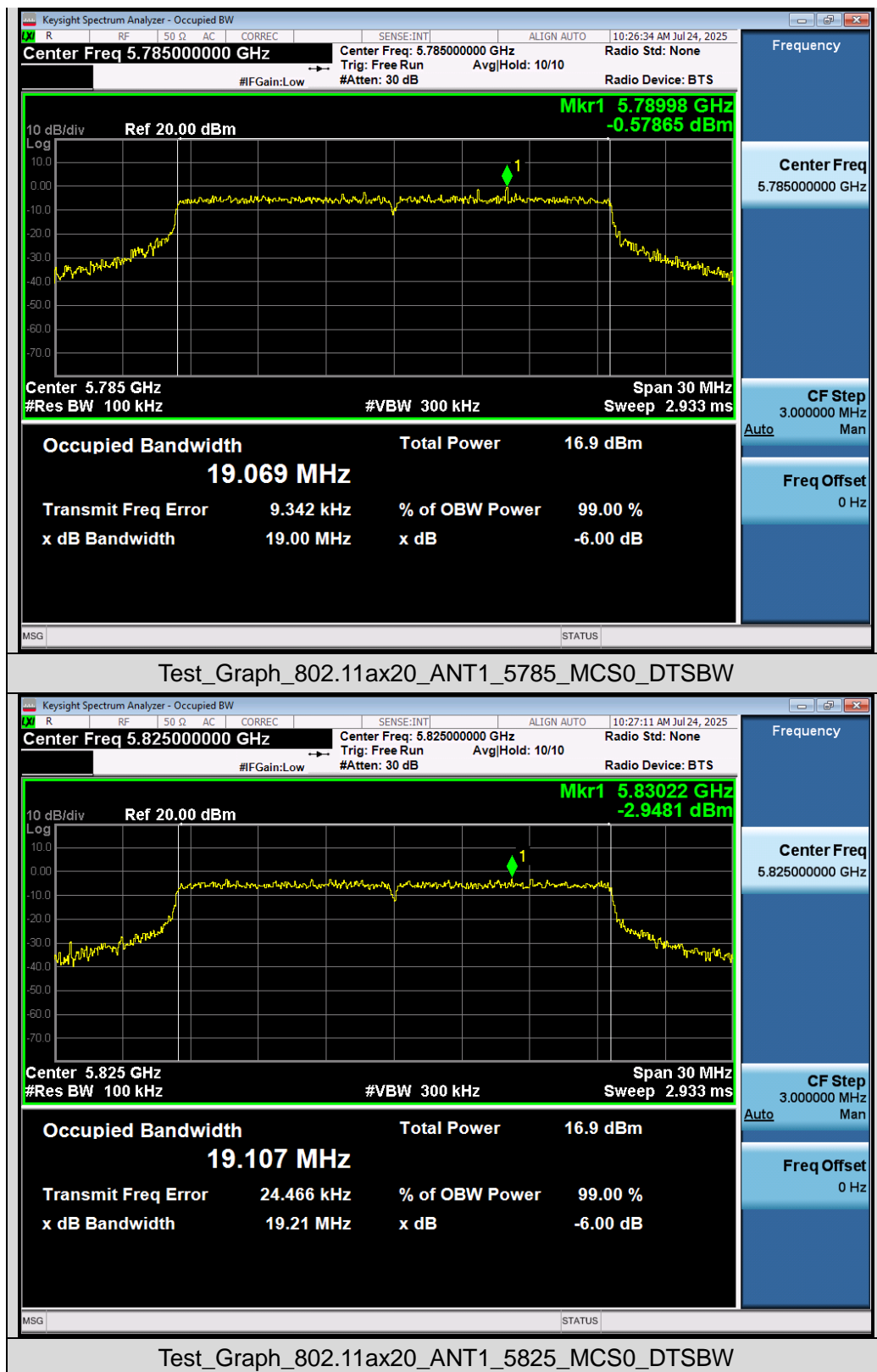
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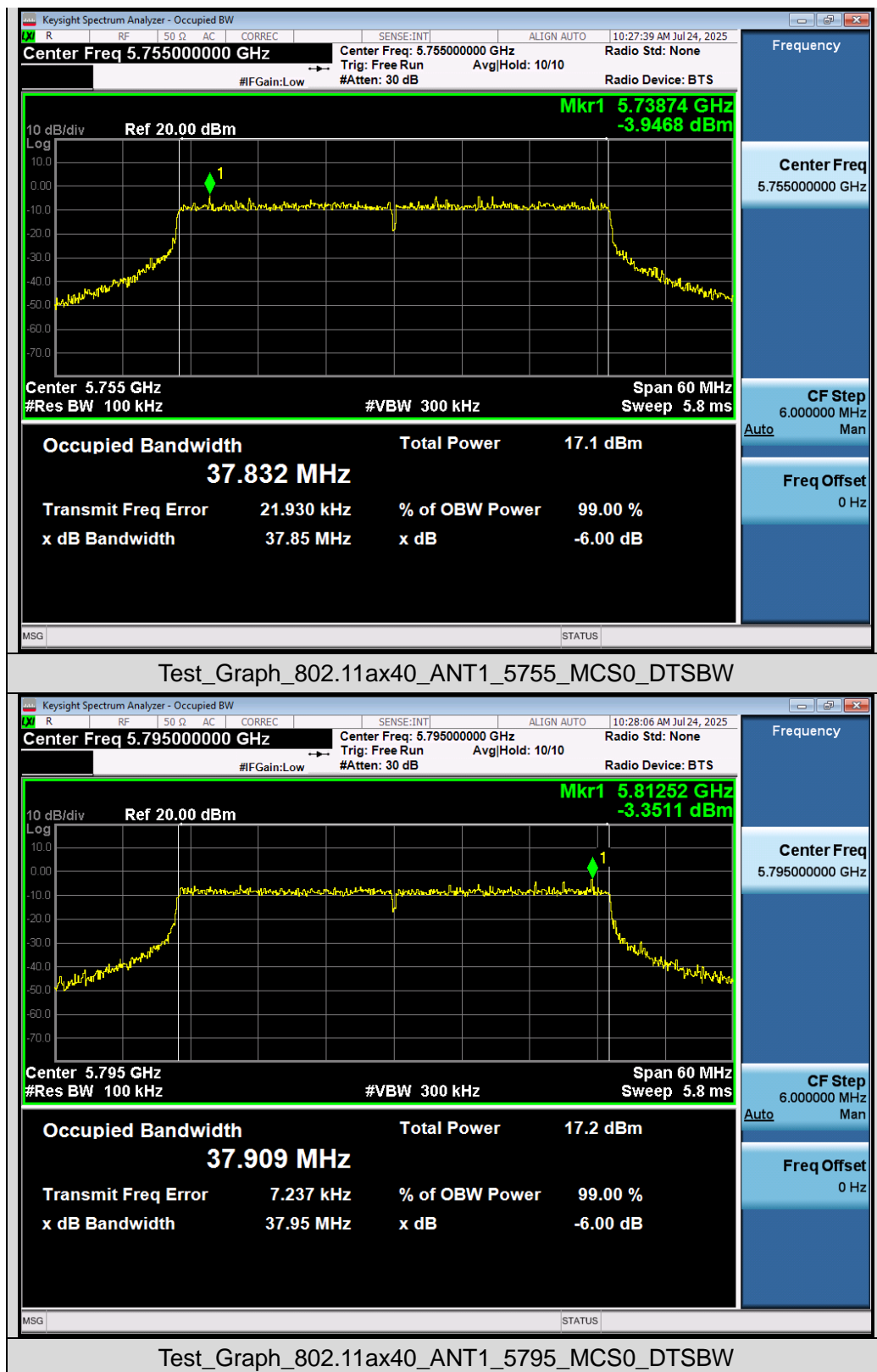
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## 9. Power Spectral Density Measurement

### 9.1 Provisions Applicable

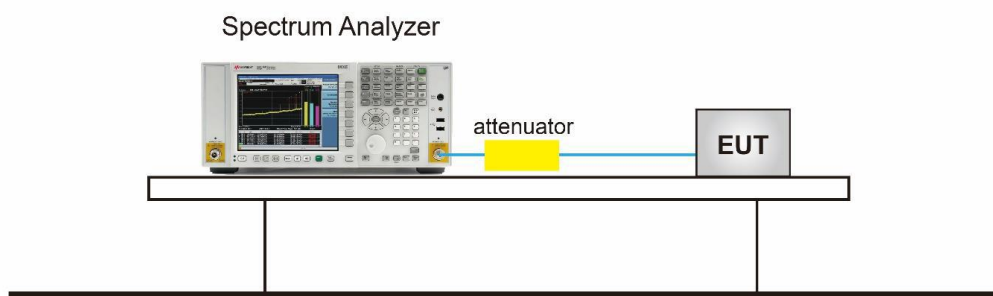
Operation Band	EUT Category		LIMIT
U-NII-1	<input type="checkbox"/>	Outdoor Access Point	17dBm/ MHz
	<input type="checkbox"/>	Fixed point-to-point Access Point	17dBm/ MHz
	<input type="checkbox"/>	Indoor Access Point	17dBm/ MHz
	<input checked="" type="checkbox"/>	Client devices	11dBm/ MHz
U-NII-2A	/		11dBm/ MHz
U-NII-2C	/		11dBm/ MHz
U-NII-3	/		30 dBm/500kHz

### 9.2 Measurement Procedure

☒ For Average power spectral density test:

1. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator.
2. Span was set to encompass the entire 26dB EBW of the signal.
3. RBW = 1MHz.
4. If measurement bandwidth of Maximum PSD is specified in 500 kHz, RBW = 100KHz
5. Set VBW  $\geq$  [3 $\times$ RBW].
6. Sweep Time=Auto couple.
7. Detector function=RMS (i.e., power averaging).
8. Trace average at least 100 traces in power averaging (rms) mode.
9. When the measurement bandwidth of Maximum PSD is specified in 100 kHz, add a constant factor  $10 \times \log(500\text{kHz}/100\text{kHz}) = 6.99$  dB to the measured result.
10. Determine according to the duty cycle of the equipment: when it is less than 98%, follow the steps below.
11. Add [10 log (1/D)], where D is the duty cycle, to the measured power to compute the average power during the actual transmission times (because the measurement represents an average over both the ON and OFF times of the transmission). For example, add [10 log (1/0.25)] = 6 dB if the duty cycle is 25%.
12. The final test results have been increased by the duty cycle factor and recorded in the report

### 9.3 Measurement Setup (Block Diagram of Configuration)



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## 9.4 Measurement Result

Test Data of Conducted Output Power Density for band 5.15-5.25 GHz				
Test Mode	Test Channel (MHz)	Average Power Density (dBm/MHz)	Limits (dBm/MHz)	Pass or Fail
802.11a	5180	2.408	11	Pass
	5200	2.723	11	Pass
	5240	3.832	11	Pass
802.11n20	5180	0.886	11	Pass
	5200	1.299	11	Pass
	5240	2.211	11	Pass
802.11n40	5190	-1.725	11	Pass
	5230	-0.976	11	Pass
802.11ac20	5180	0.940	11	Pass
	5200	1.335	11	Pass
	5240	1.877	11	Pass
802.11ac40	5190	-1.869	11	Pass
	5230	-0.972	11	Pass
802.11ax20	5180	0.761	11	Pass
	5200	1.041	11	Pass
	5240	2.023	11	Pass
802.11ax40	5190	-2.065	11	Pass
	5230	-0.887	11	Pass

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Test Data of Conducted Output Power Density for band 5.25-5.35 GHz				
Test Mode	Test Channel (MHz)	Average Power Density (dBm/MHz)	Limits (dBm/MHz)	Pass or Fail
802.11a	5260	3.122	11	Pass
	5300	3.150	11	Pass
	5320	3.127	11	Pass
802.11n20	5260	1.273	11	Pass
	5300	1.631	11	Pass
	5320	1.444	11	Pass
802.11n40	5270	-1.708	11	Pass
	5310	-1.388	11	Pass
802.11ac20	5260	0.910	11	Pass
	5300	1.482	11	Pass
	5320	1.282	11	Pass
802.11ac40	5270	-1.706	11	Pass
	5310	-1.541	11	Pass
802.11ax20	5260	0.877	11	Pass
	5300	1.316	11	Pass
	5320	1.148	11	Pass
802.11ax40	5270	-4.759	11	Pass
	5310	-4.946	11	Pass

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Test Data of Conducted Output Power Density for band 5.470-5.725 GHz				
Test Mode	Test Channel (MHz)	Average Power Density (dBm/MHz)	Limits (dBm/MHz)	Pass or Fail
802.11a	5500	1.183	11	Pass
	5600	-0.191	11	Pass
	5700	-2.613	11	Pass
802.11n20	5500	-0.332	11	Pass
	5600	-1.812	11	Pass
	5700	-3.870	11	Pass
802.11n40	5510	-2.975	11	Pass
	5590	-3.401	11	Pass
	5670	-5.214	11	Pass
802.11ac20	5500	0.138	11	Pass
	5600	-1.454	11	Pass
	5700	-3.567	11	Pass
802.11ac40	5510	-3.069	11	Pass
	5590	-3.197	11	Pass
	5670	-5.780	11	Pass
802.11ax20	5500	-0.191	11	Pass
	5600	-1.517	11	Pass
	5700	-3.489	11	Pass
802.11ax40	5510	-3.059	11	Pass
	5590	-3.627	11	Pass
	5670	-5.605	11	Pass

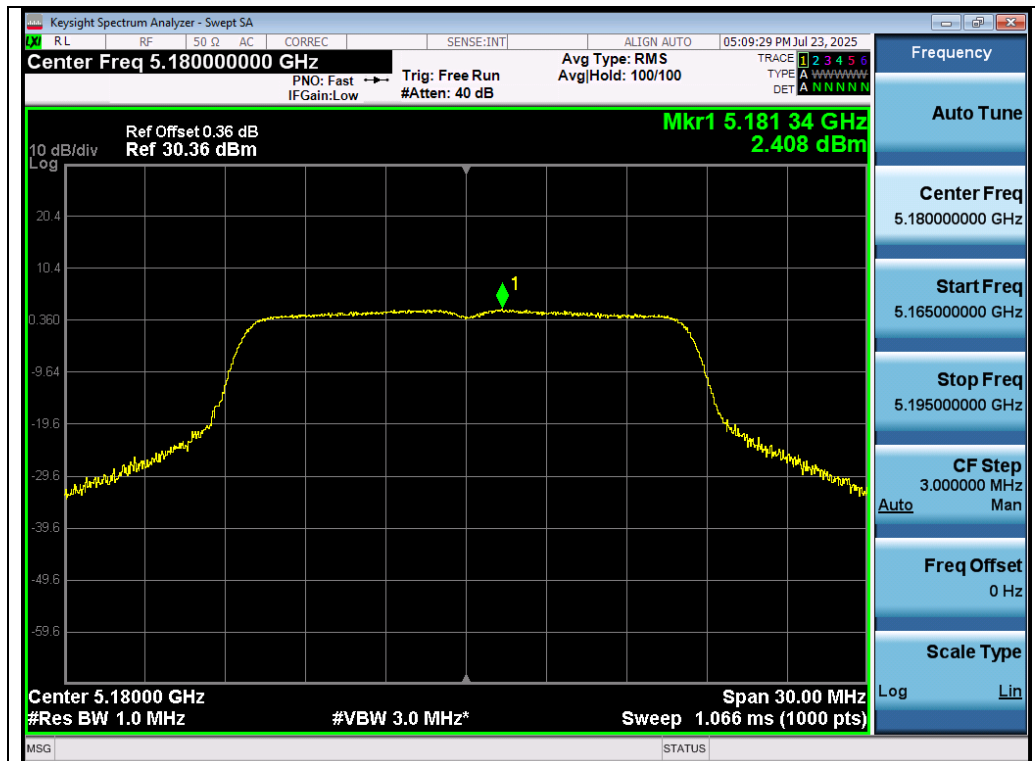
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Test Data of Conducted Output Power Density for band 5.725-5.85 GHz					
Test Mode	Test Channel (MHz)	Average Power Density (dBm/100kHz)	Average Power Density (dBm/500kHz)	Limits (dBm/500kHz)	Pass or Fail
802.11a	5745	-8.273	-1.283	30	Pass
	5785	-8.269	-1.279	30	Pass
	5825	-8.369	-1.379	30	Pass
802.11n20	5745	-10.076	-3.086	30	Pass
	5785	-9.912	-2.922	30	Pass
	5825	-9.692	-2.702	30	Pass
802.11n40	5755	-12.940	-5.950	30	Pass
	5795	-13.322	-6.332	30	Pass
802.11ac20	5745	-10.128	-3.138	30	Pass
	5785	-9.560	-2.570	30	Pass
	5825	-9.942	-2.952	30	Pass
802.11ac40	5755	-12.811	-5.821	30	Pass
	5795	-12.860	-5.870	30	Pass
802.11ax20	5745	-11.359	-4.369	30	Pass
	5785	-11.103	-4.113	30	Pass
	5825	-11.025	-4.035	30	Pass
802.11ax40	5755	-14.206	-7.216	30	Pass
	5795	-14.277	-7.287	30	Pass

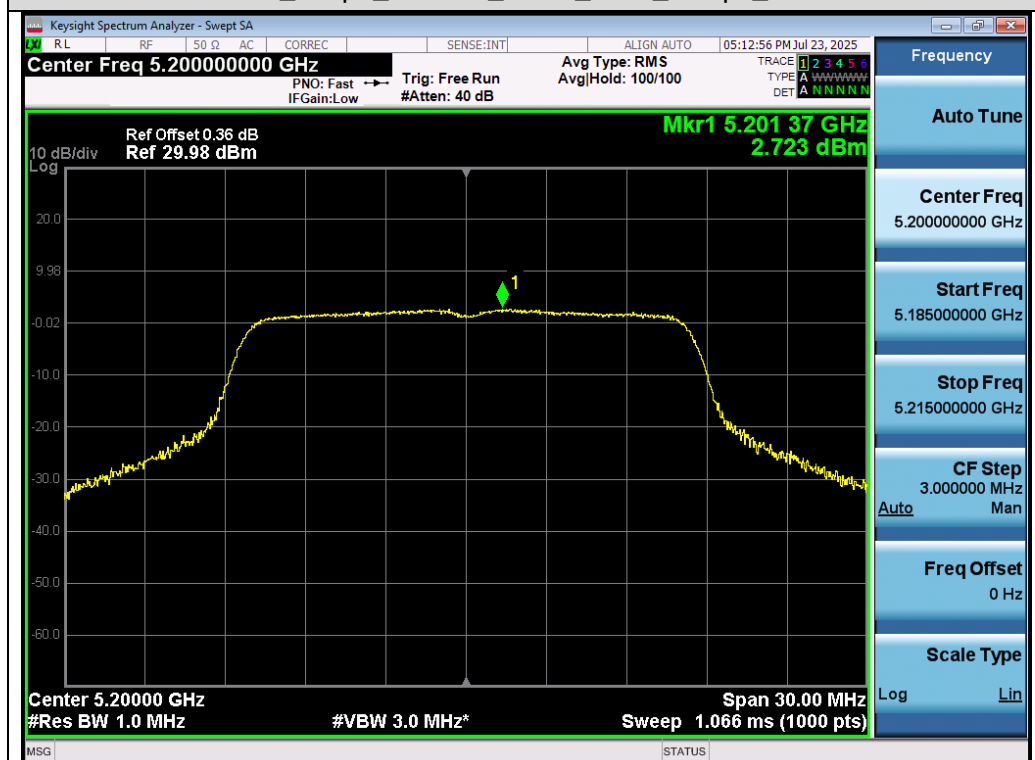
Note:1.Power density(dBm/500kHz) = Power density(dBm/100kHz)+10\*log(500/100).

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### Test Graphs of Conducted Output Power Spectral Density for band 5.15-5.25 GHz



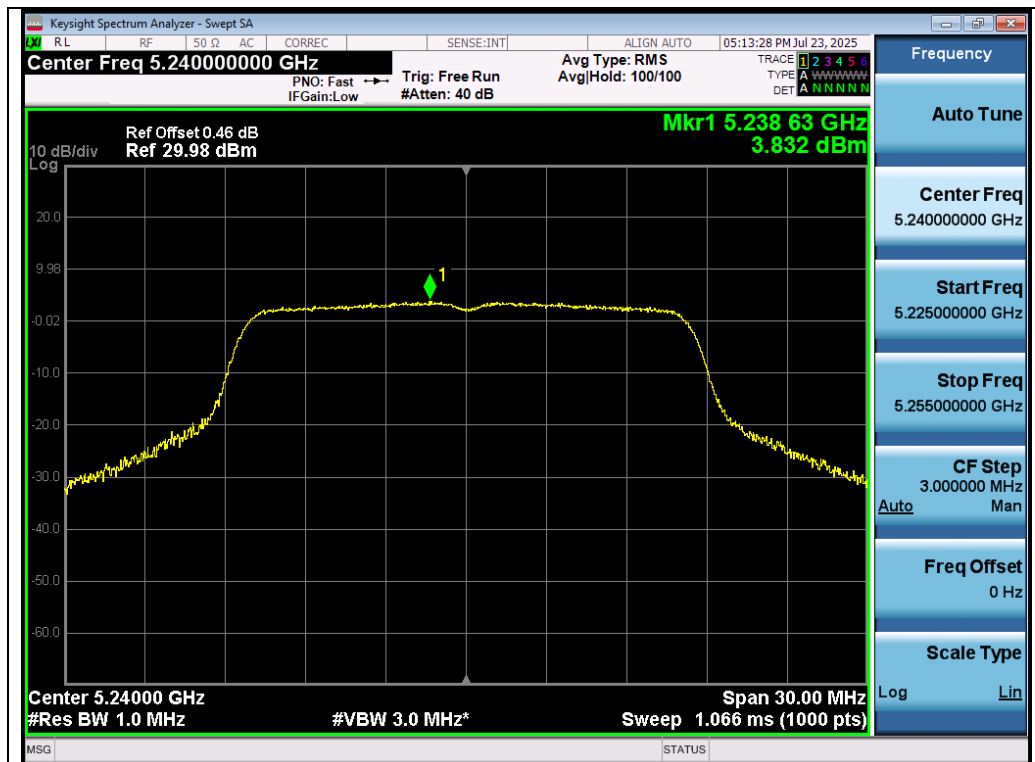
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Test\_Graph\_802.11a\_ANT1\_5200\_6Mbps\_PSD

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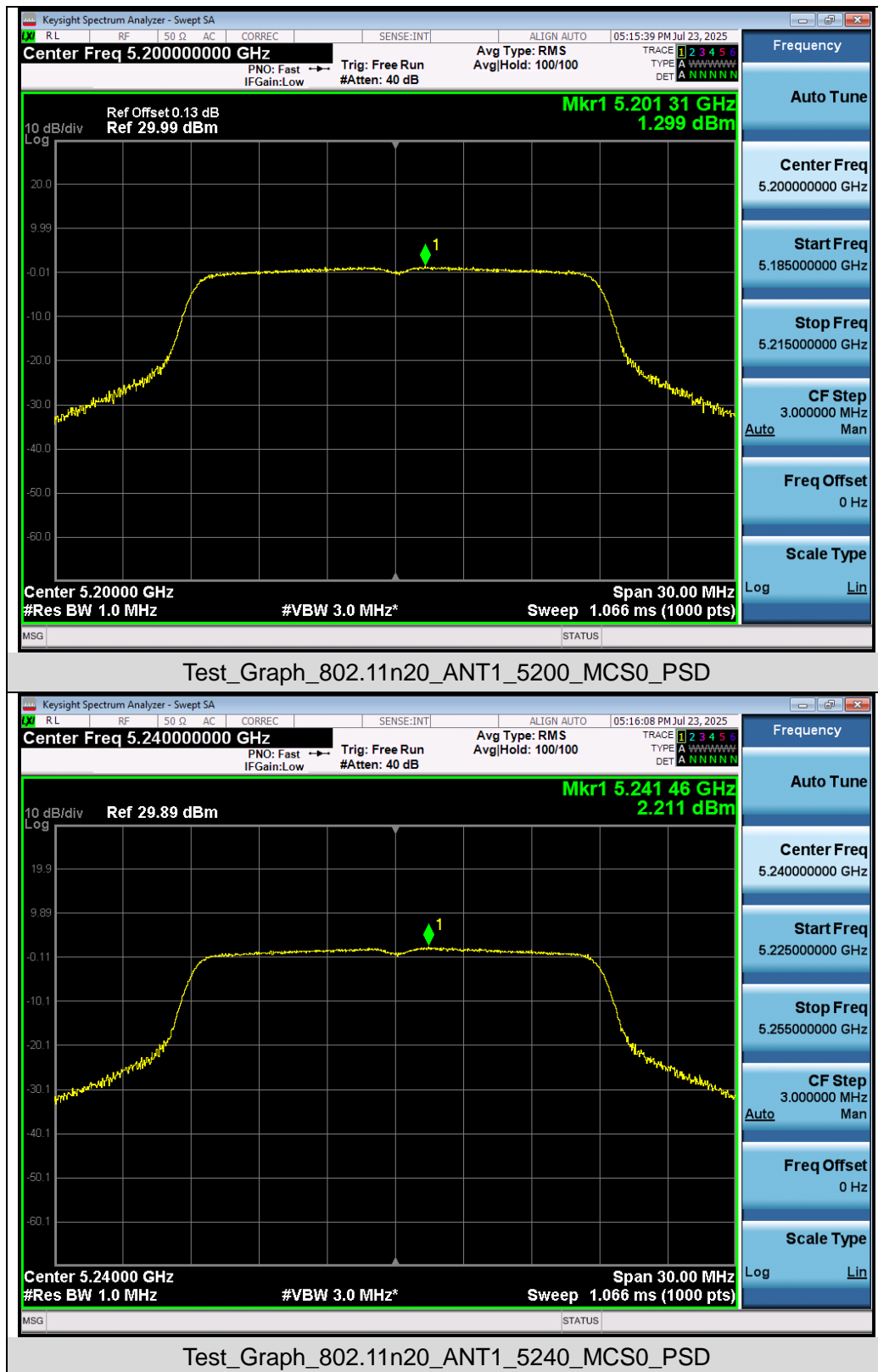


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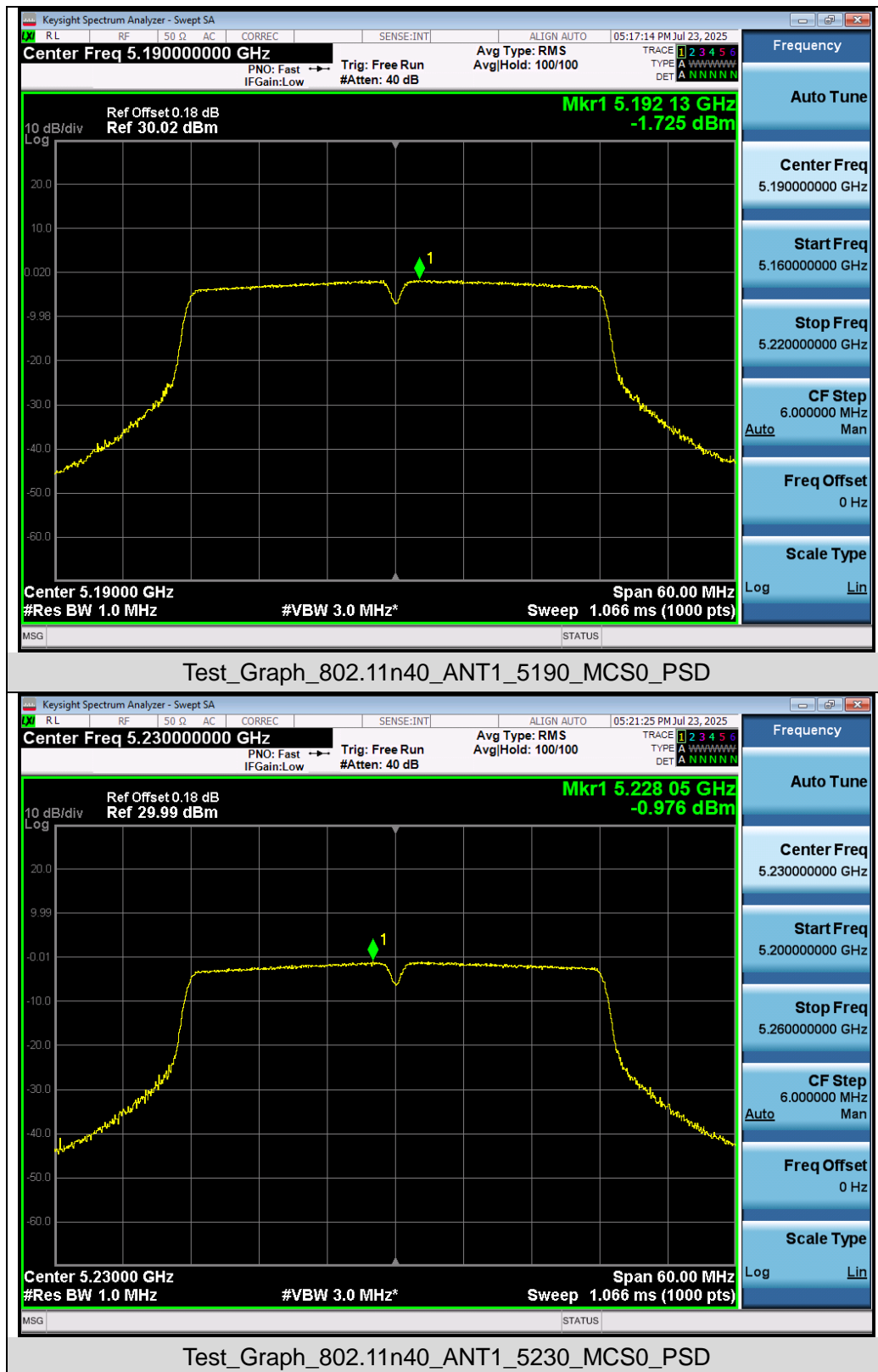
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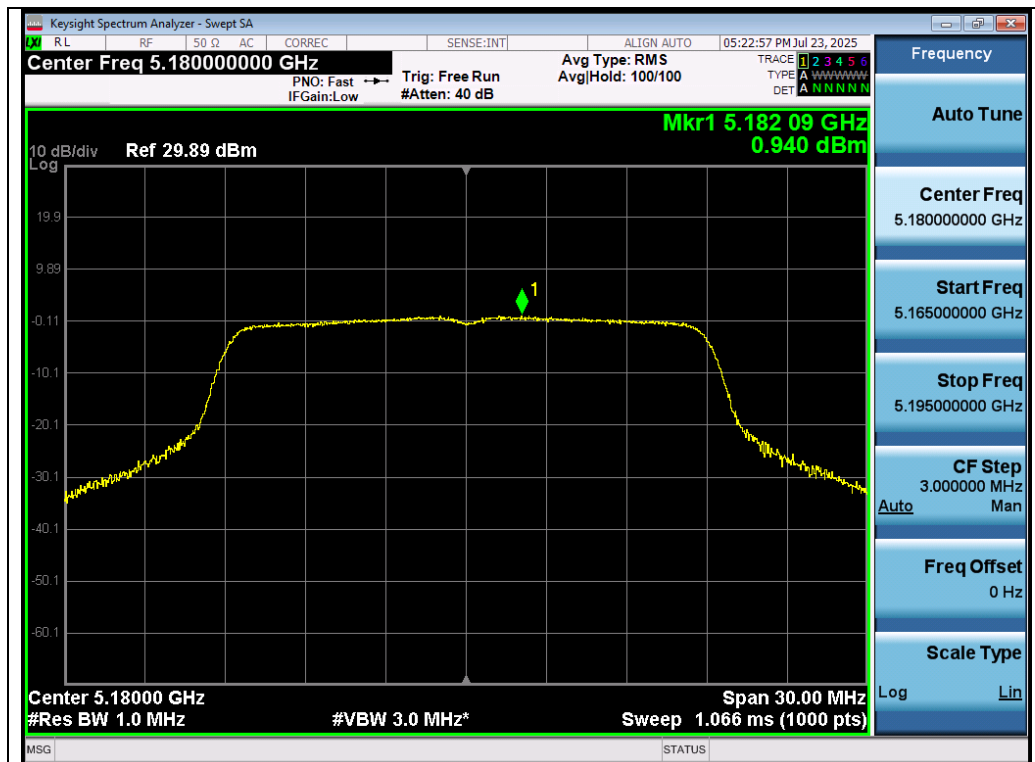
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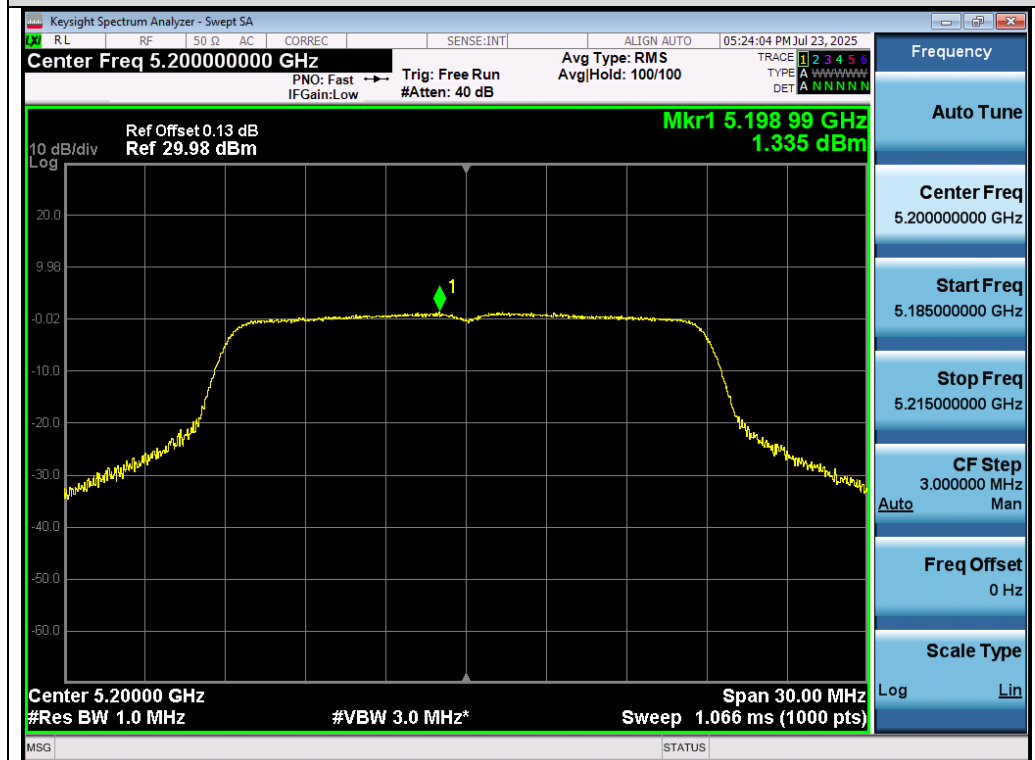


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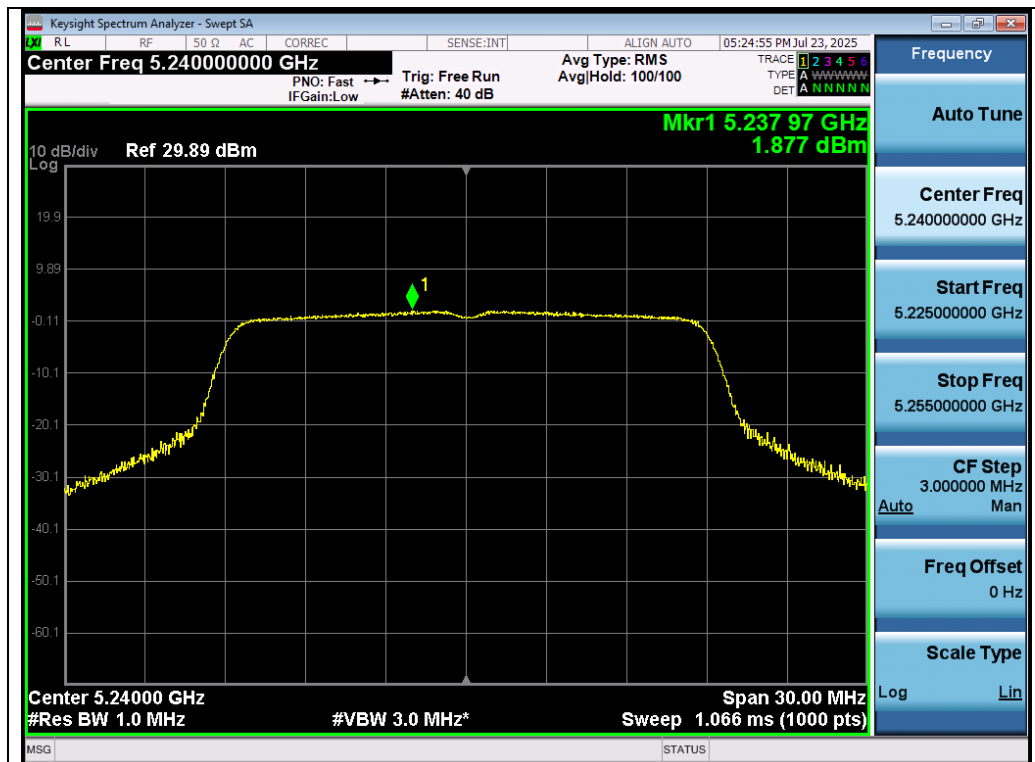


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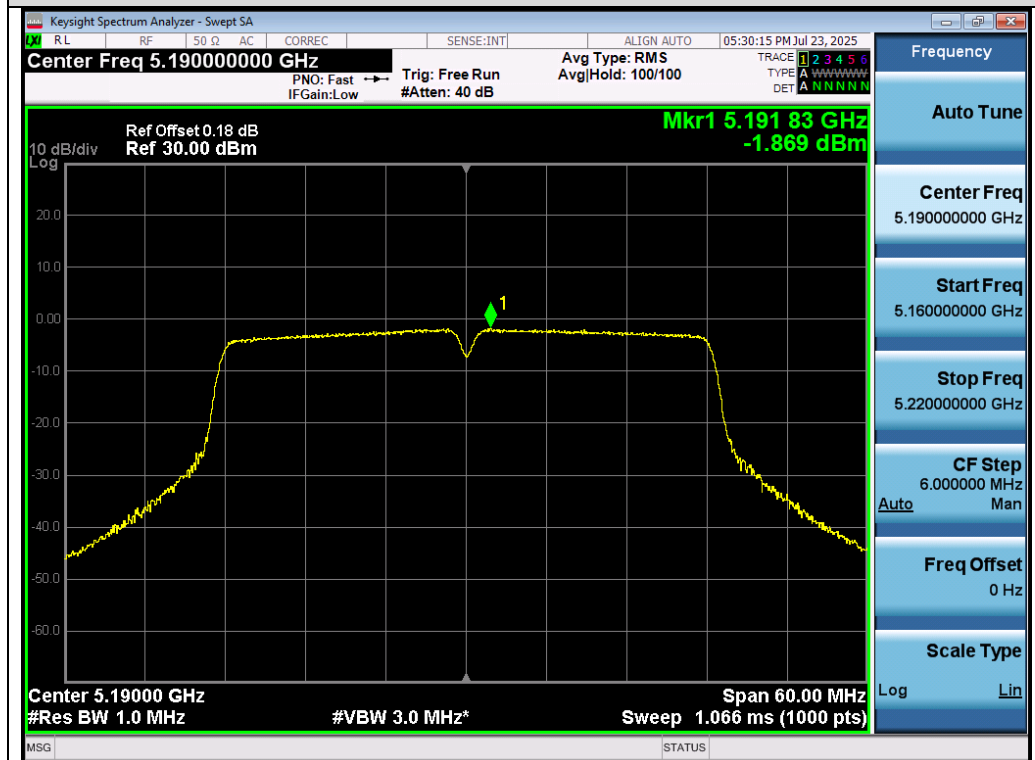


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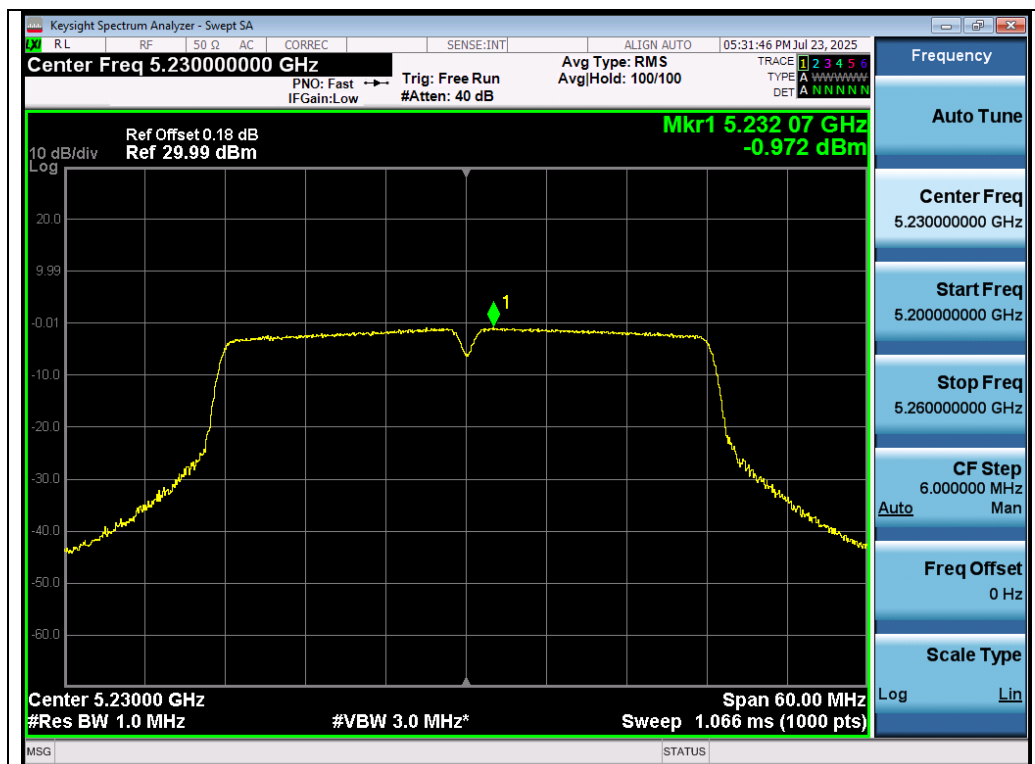
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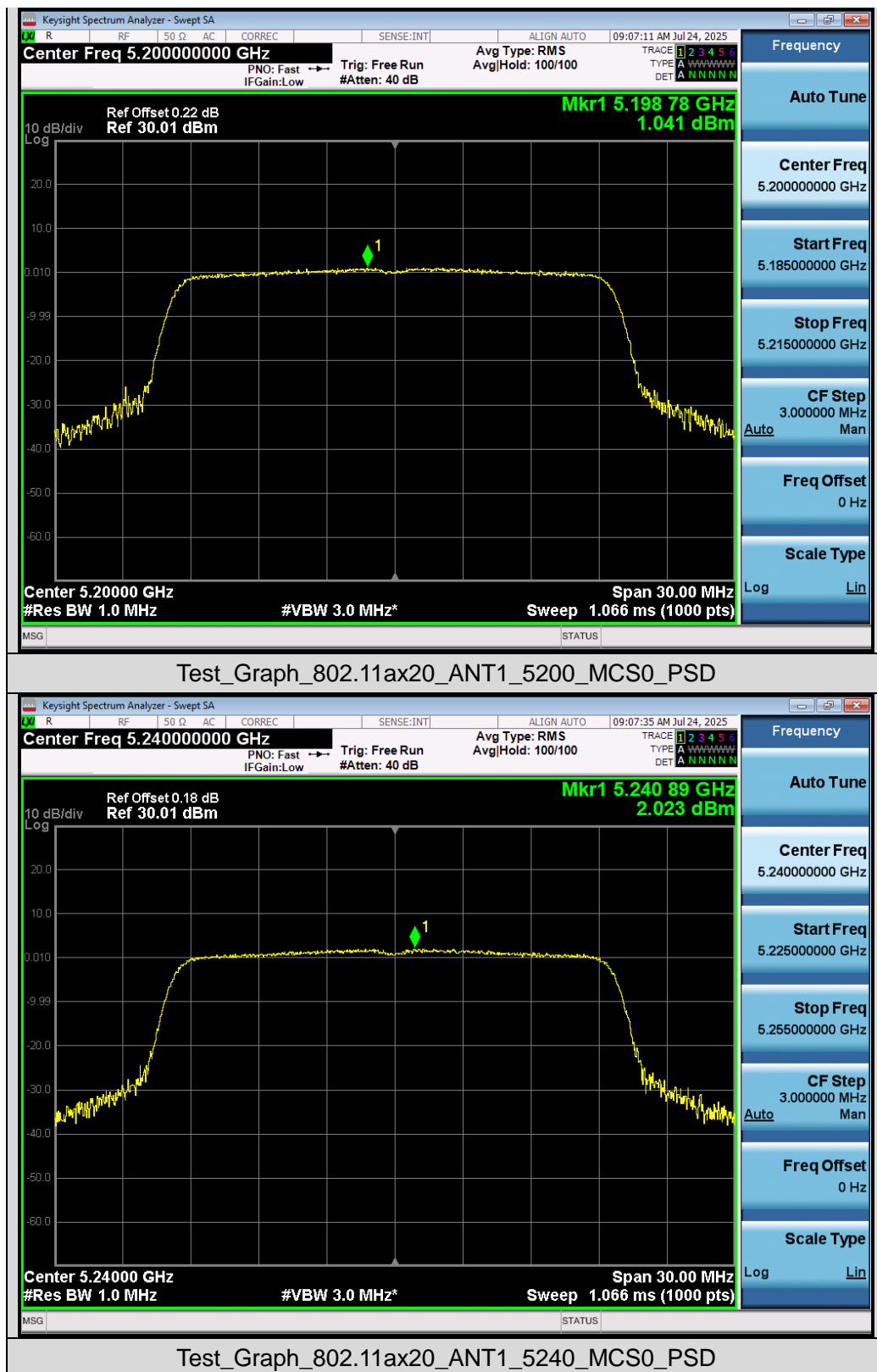
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Test\_Graph\_802.11ax20\_ANT1\_5180\_MCS0\_PSD

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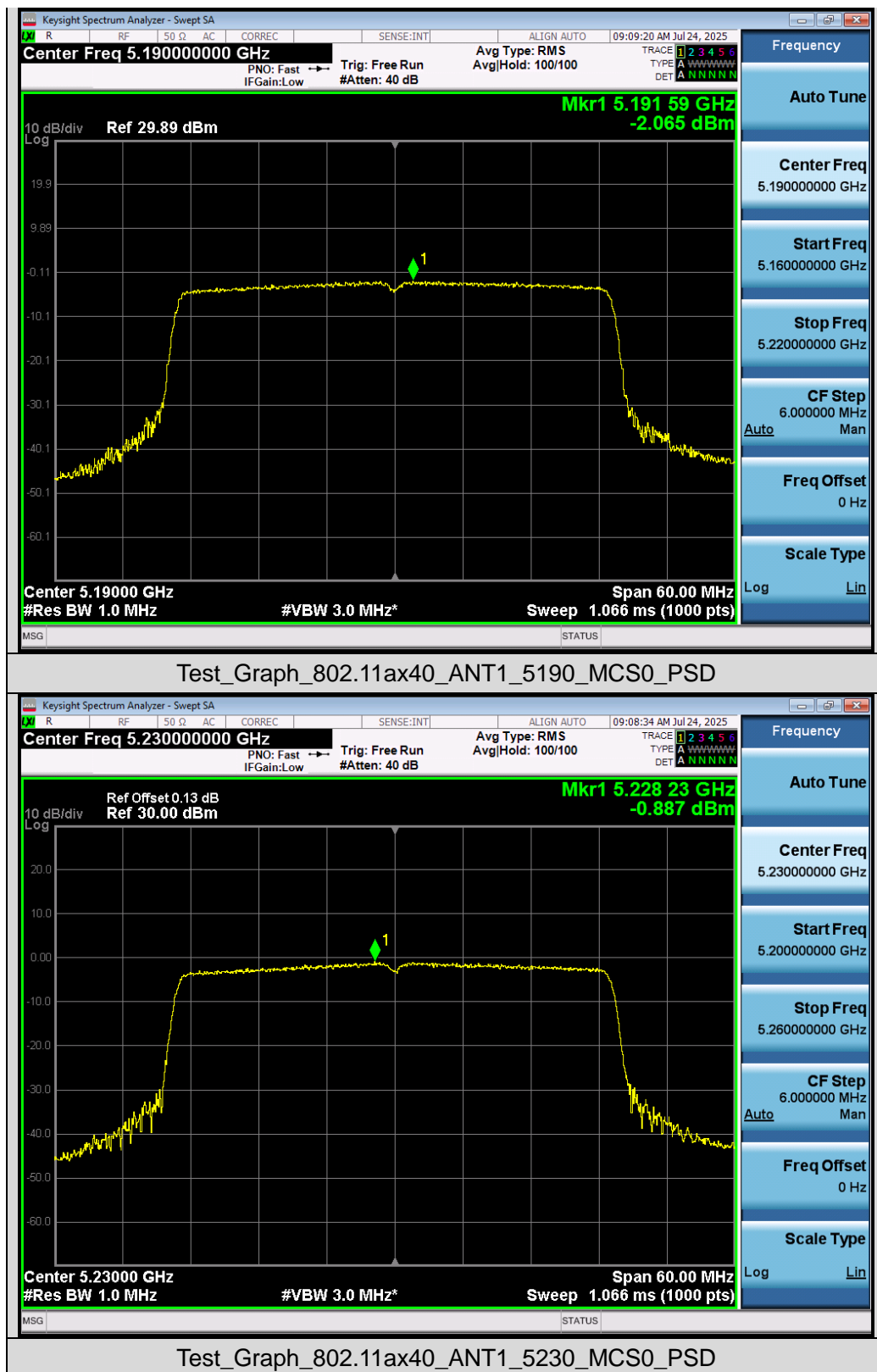
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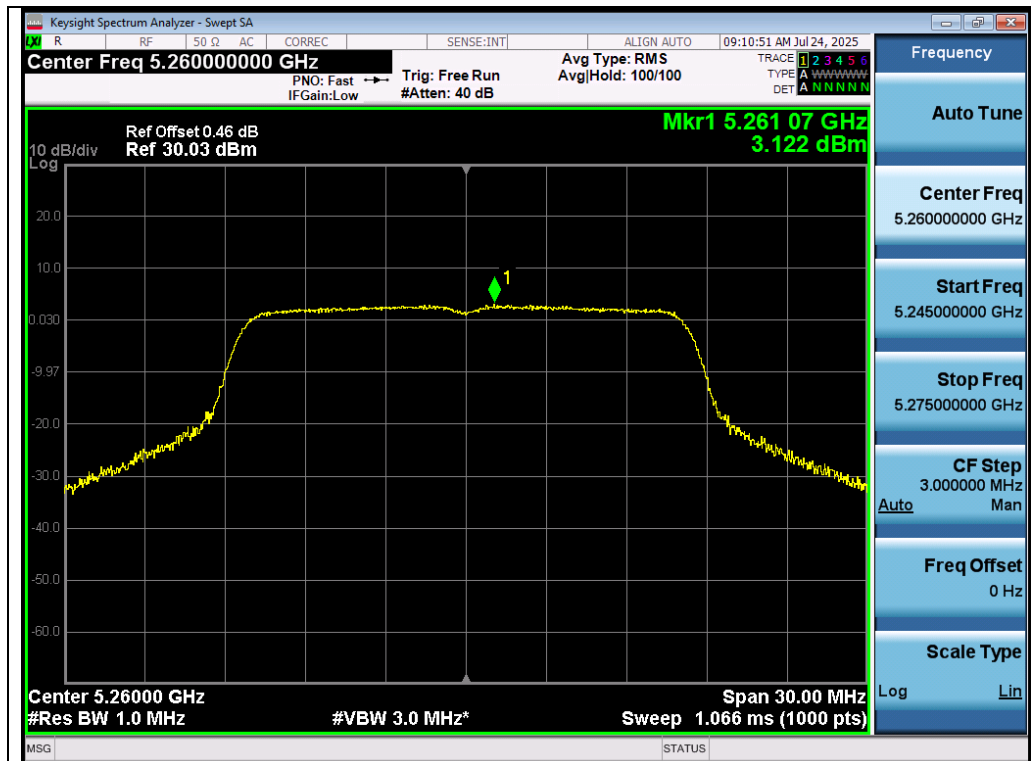
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### Test Graphs of Conducted Output Power Spectral Density for band 5.25-5.35 GHz

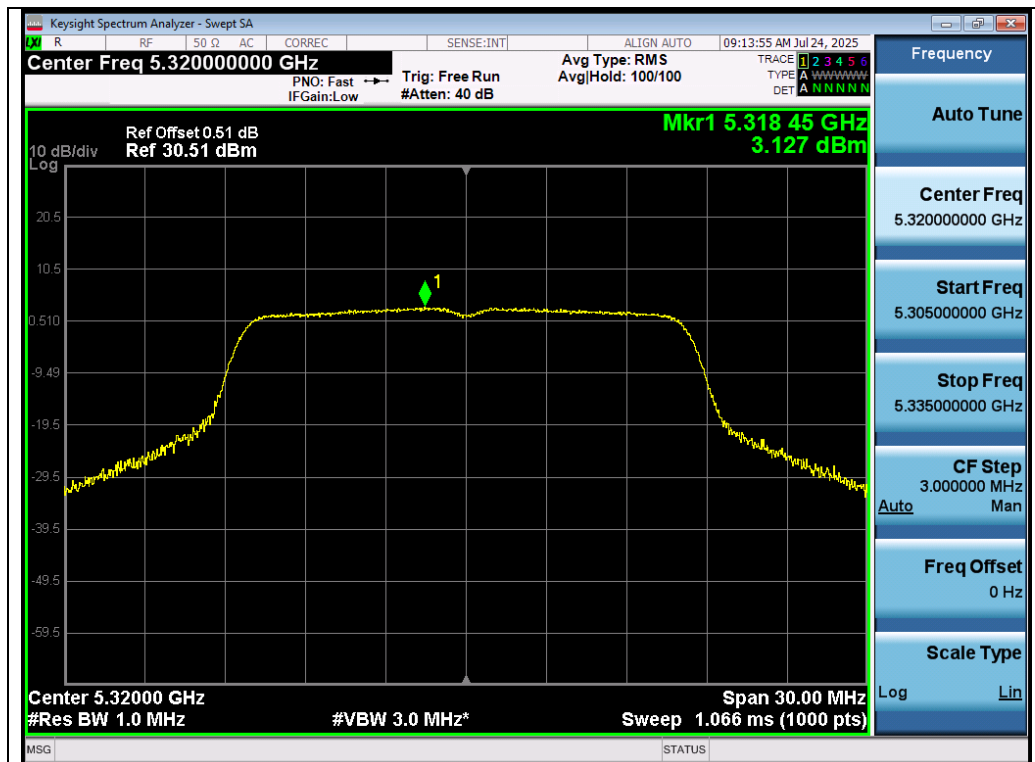


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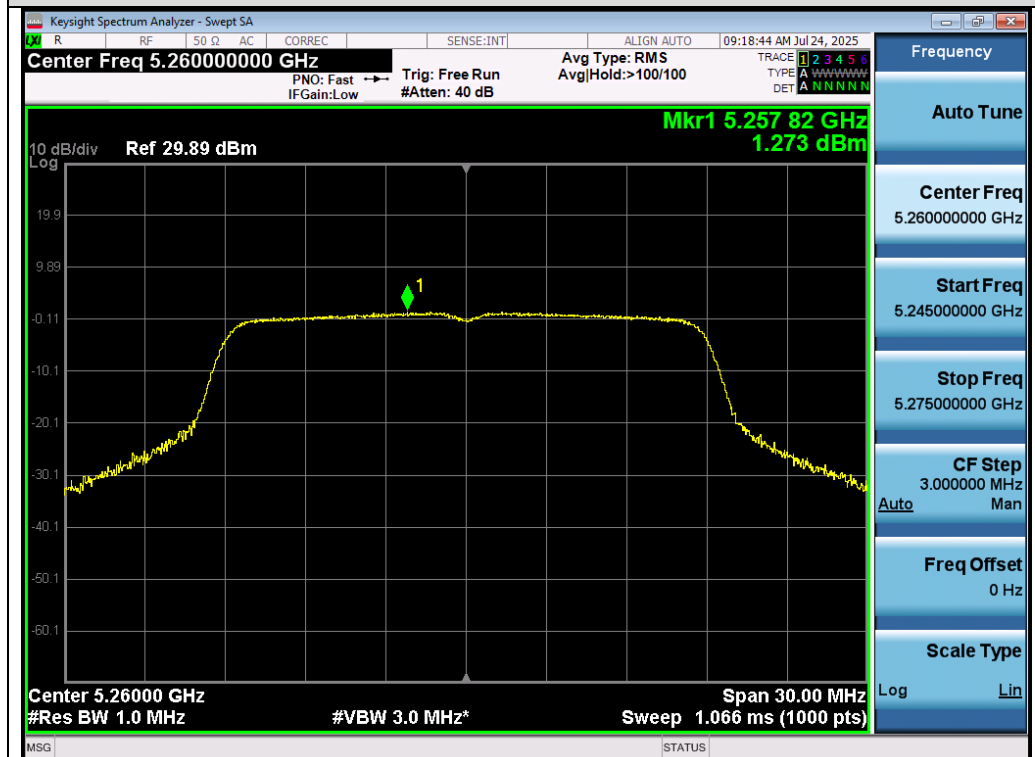


Test\_Graph\_802.11a\_ANT1\_5300\_6Mbps\_PSD

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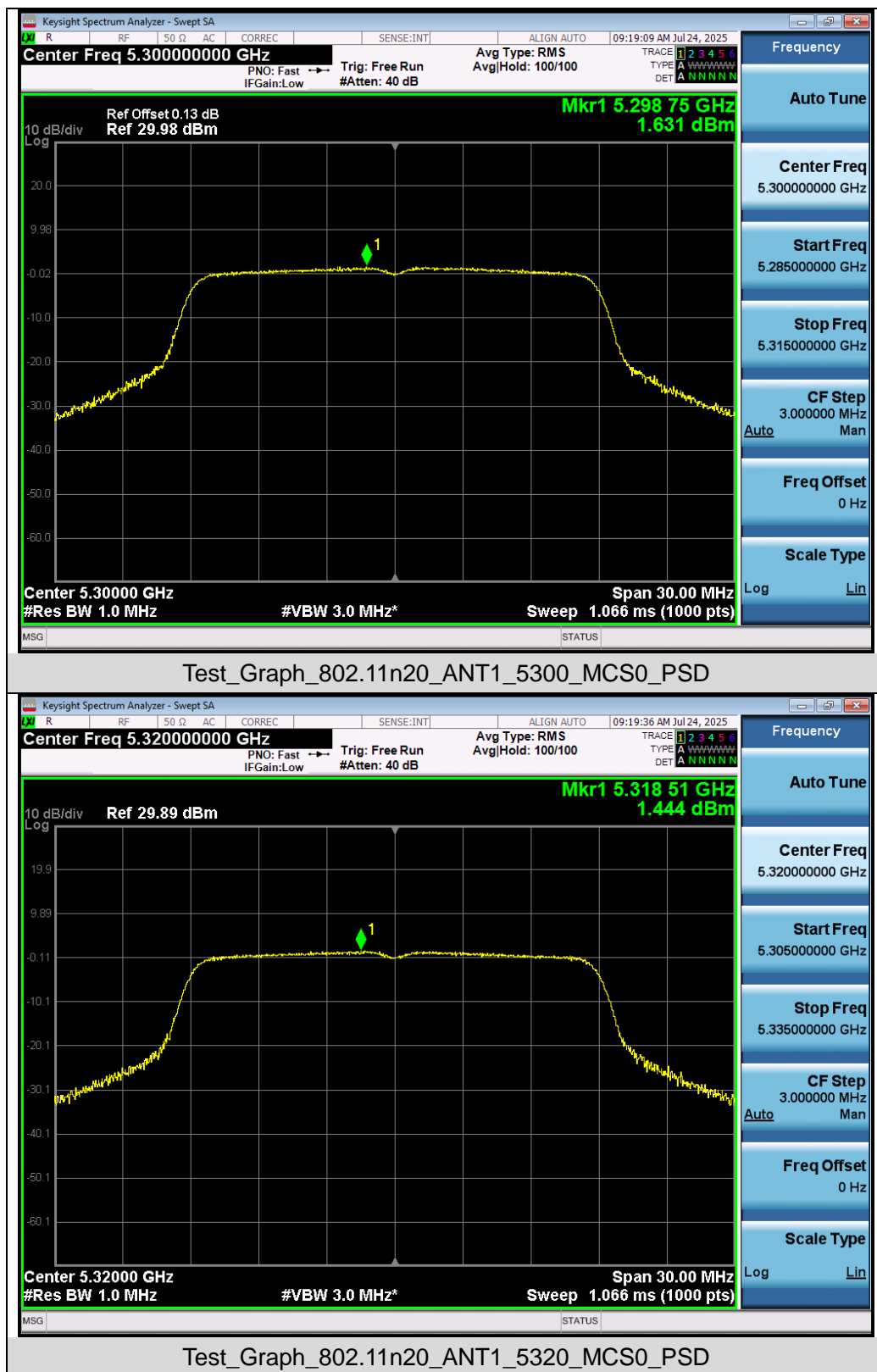
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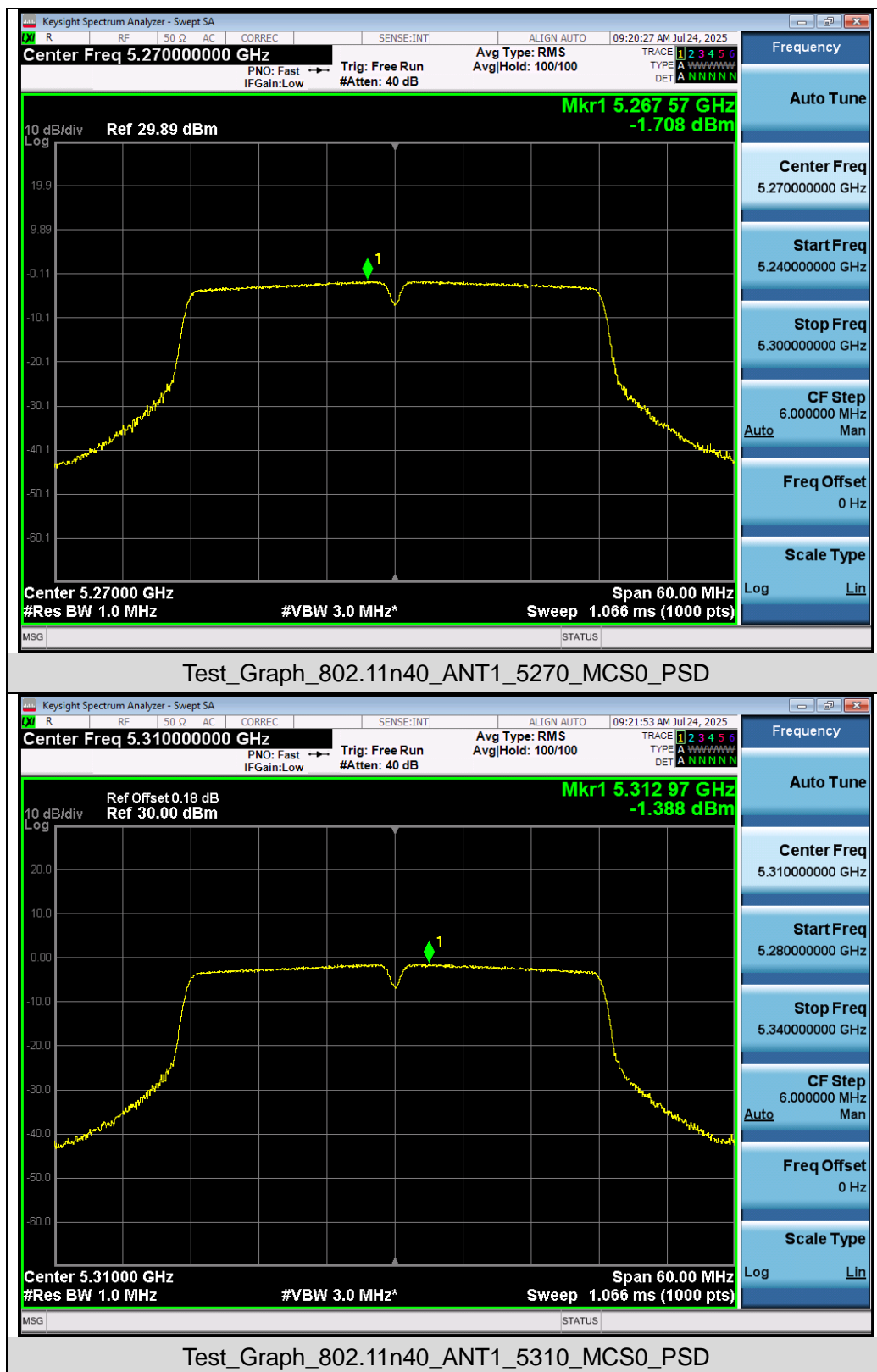
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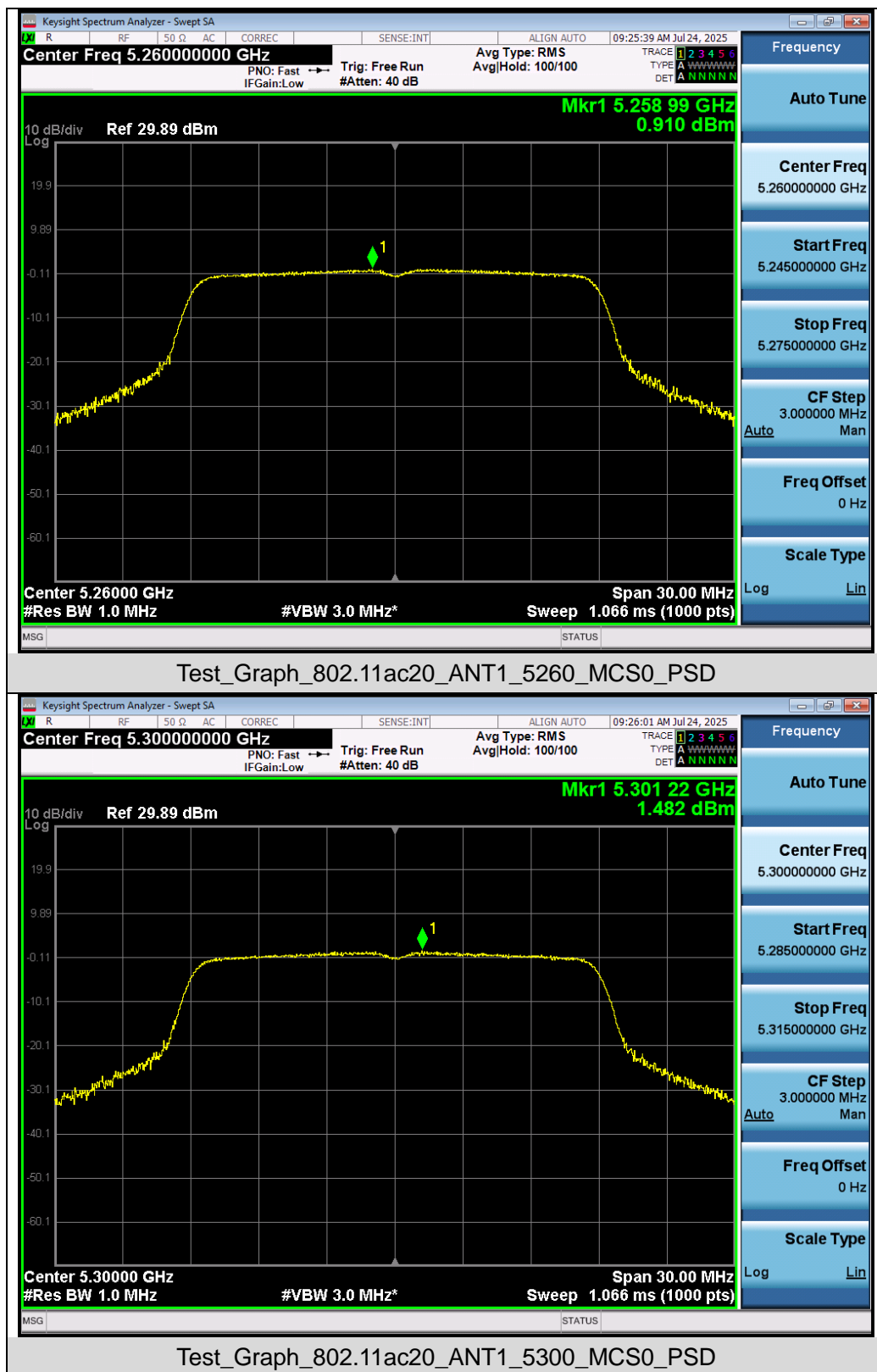
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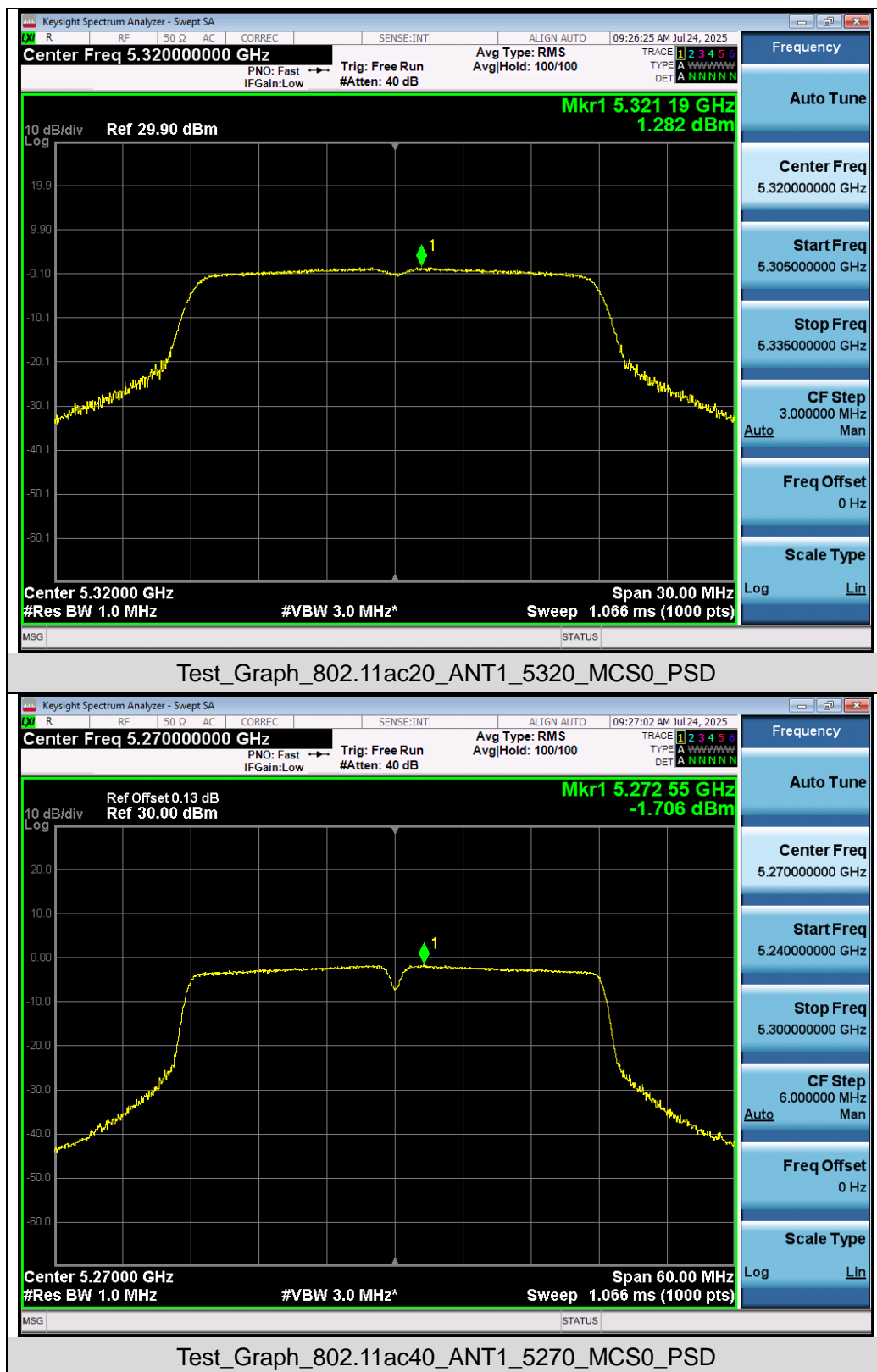
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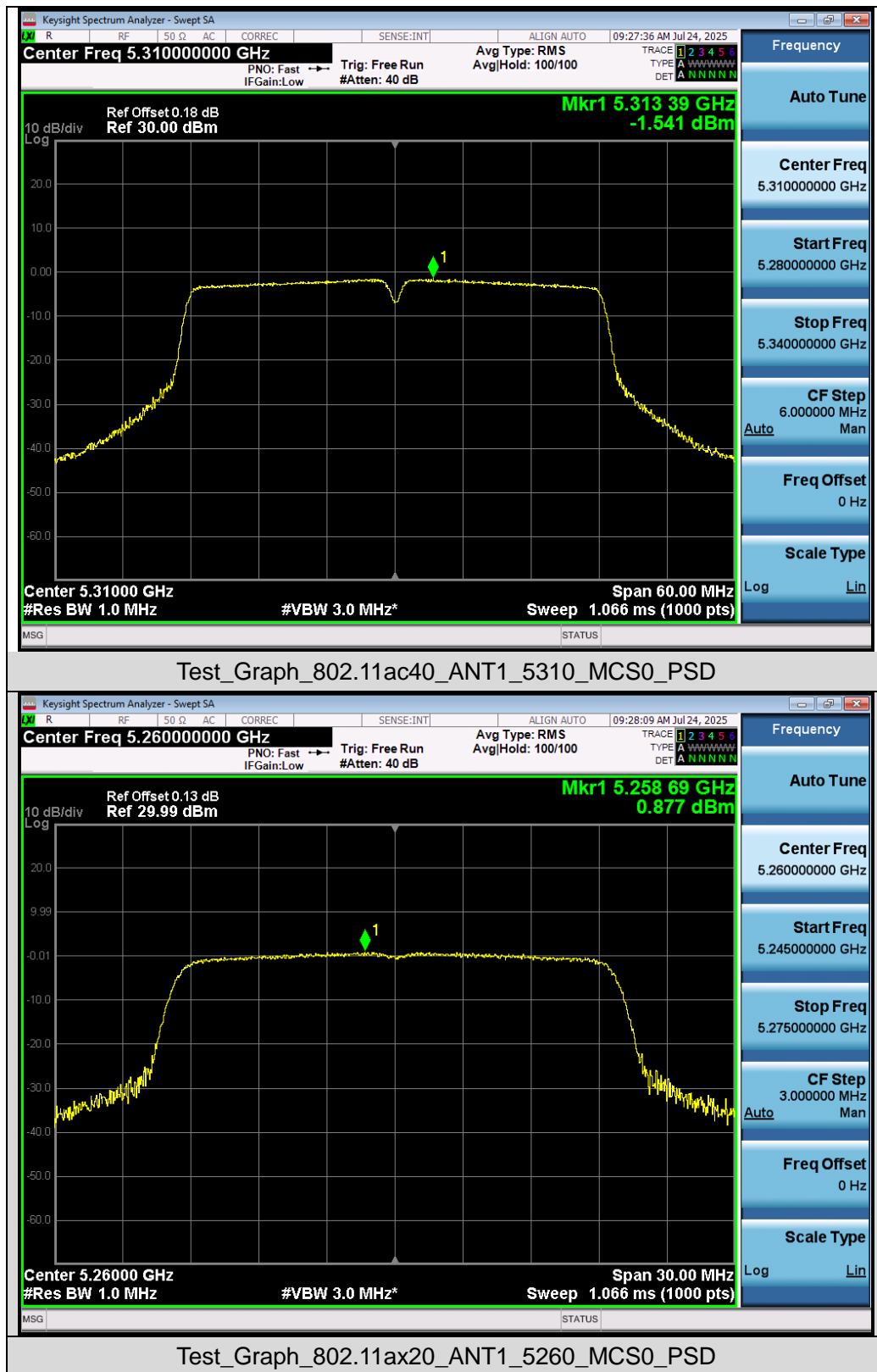
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