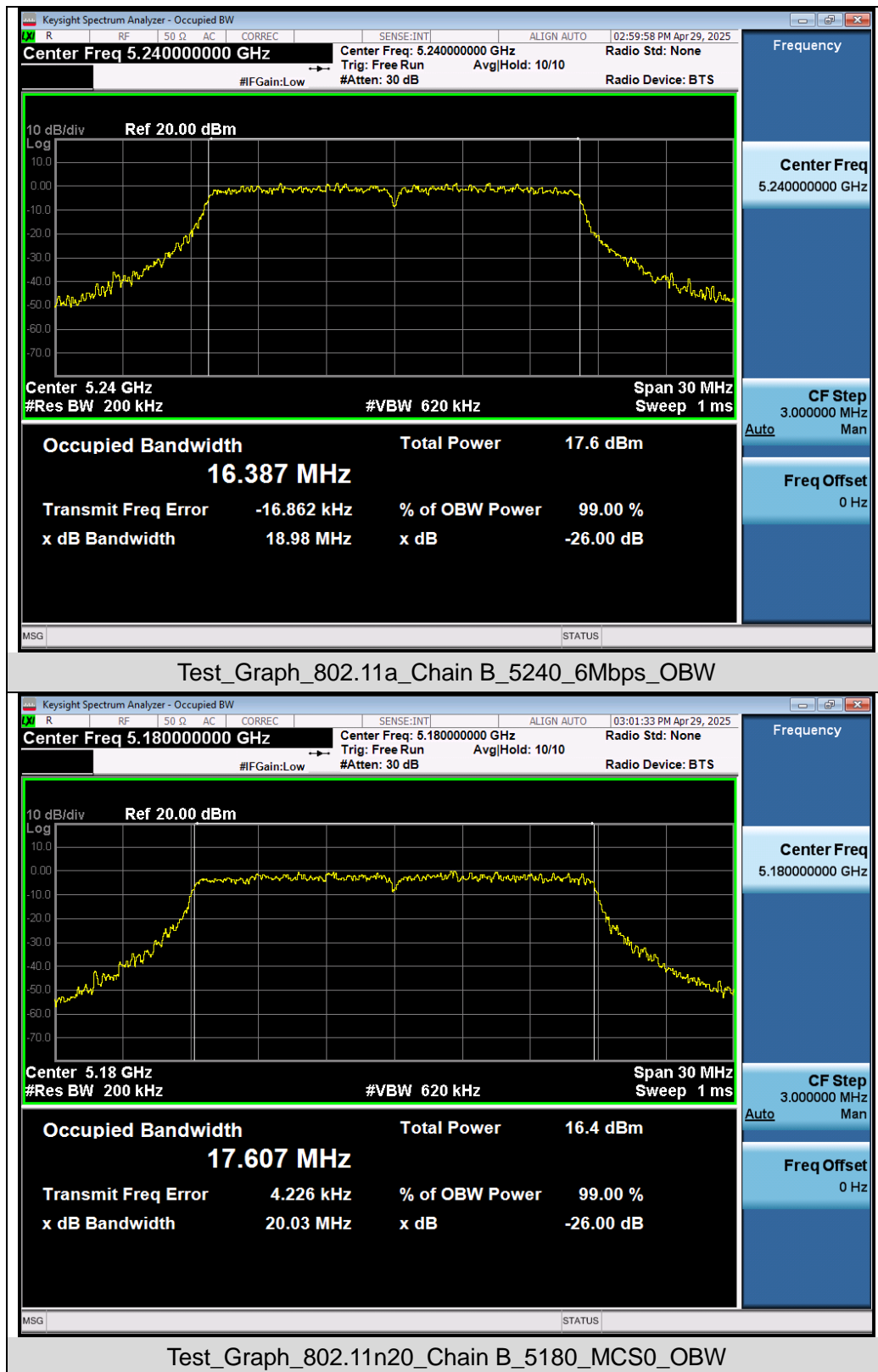
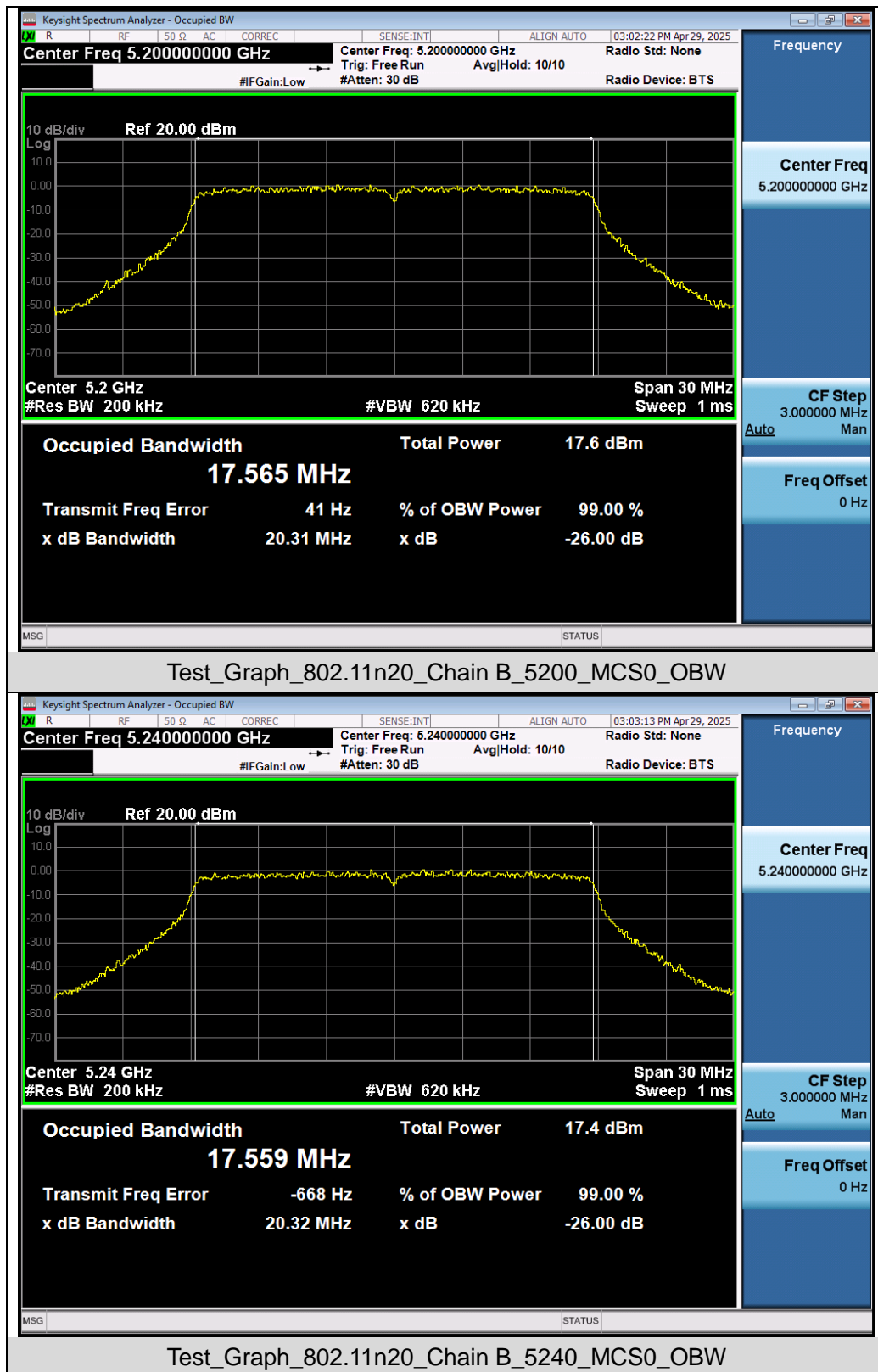


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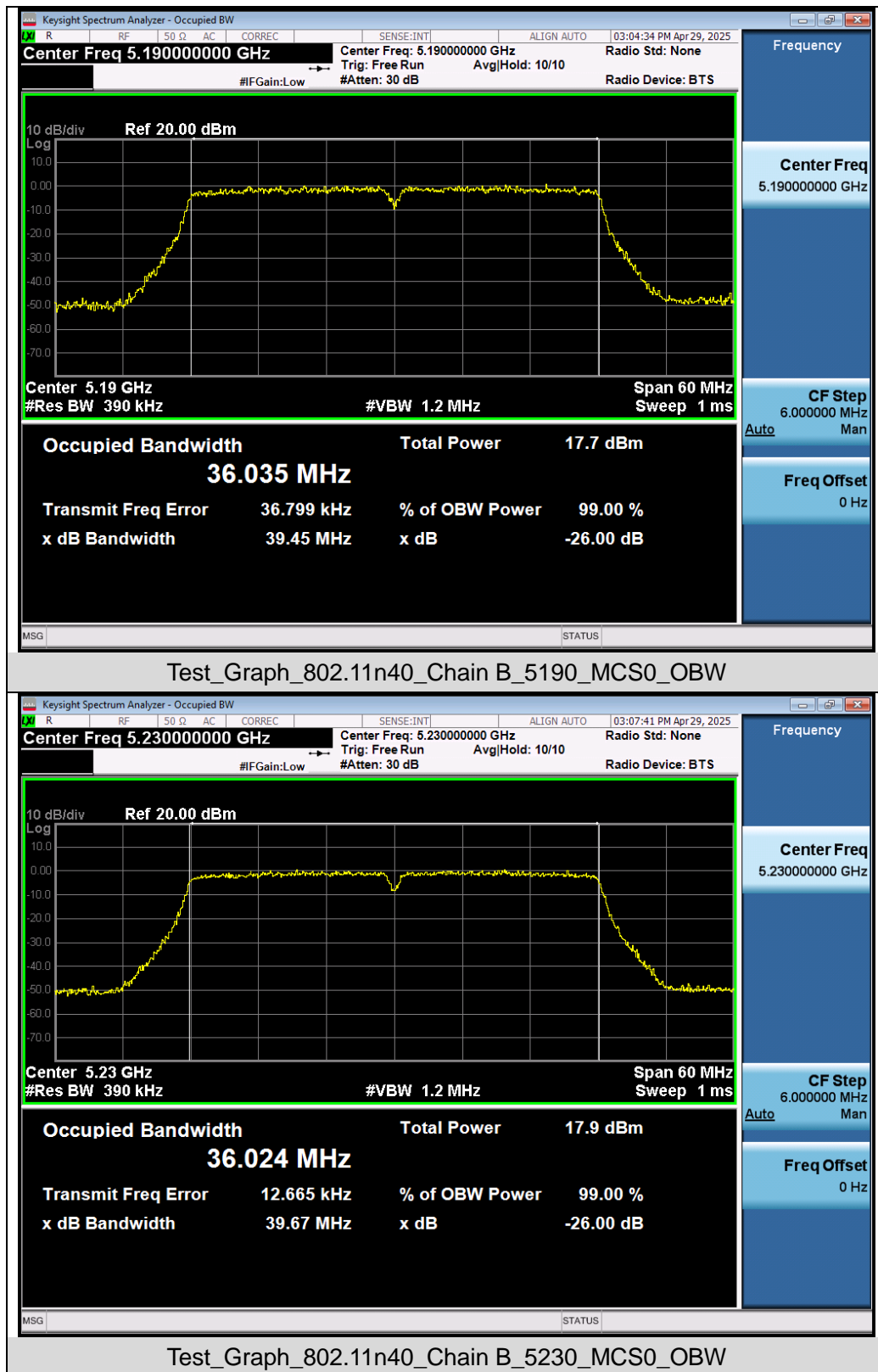
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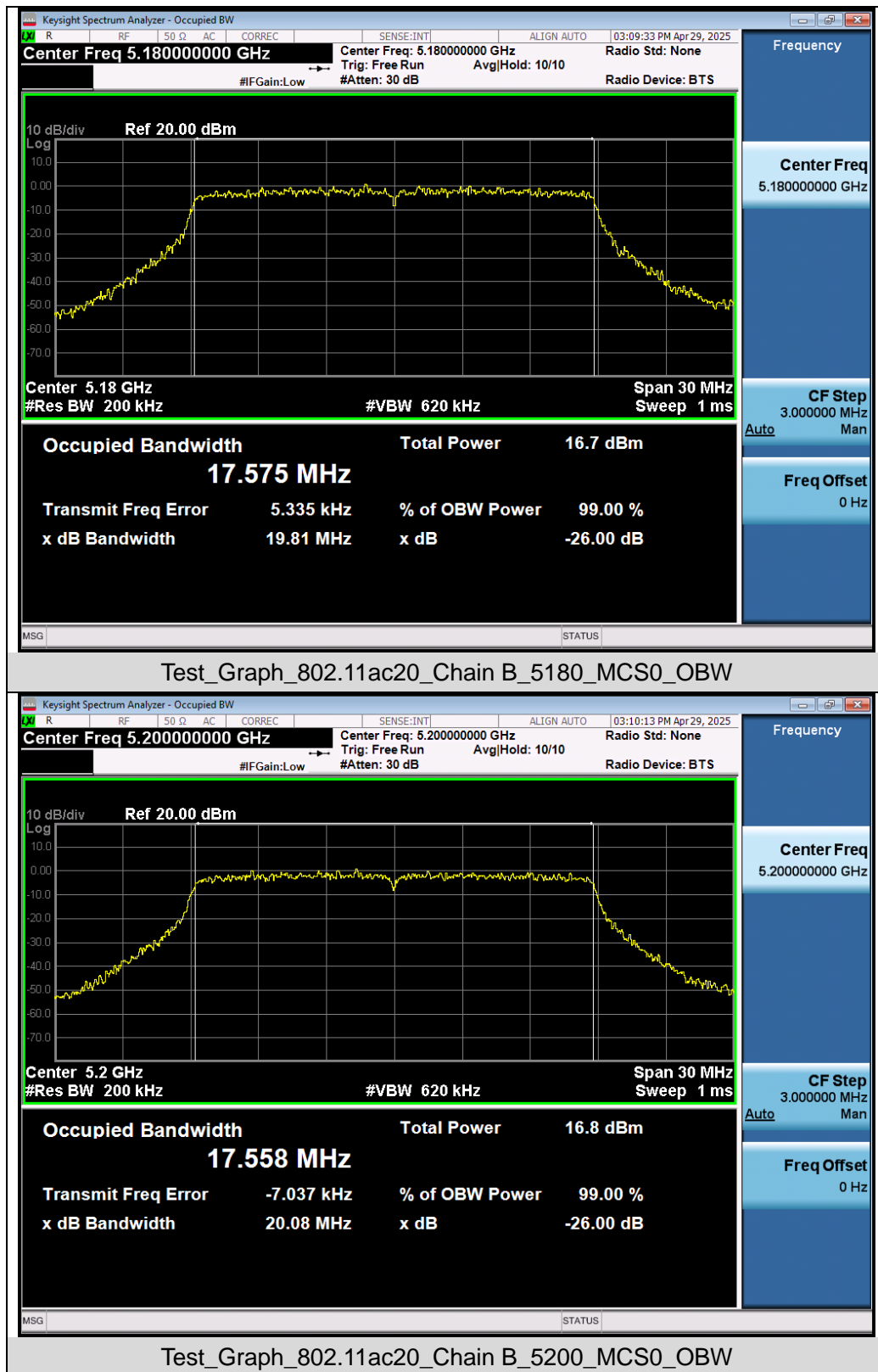
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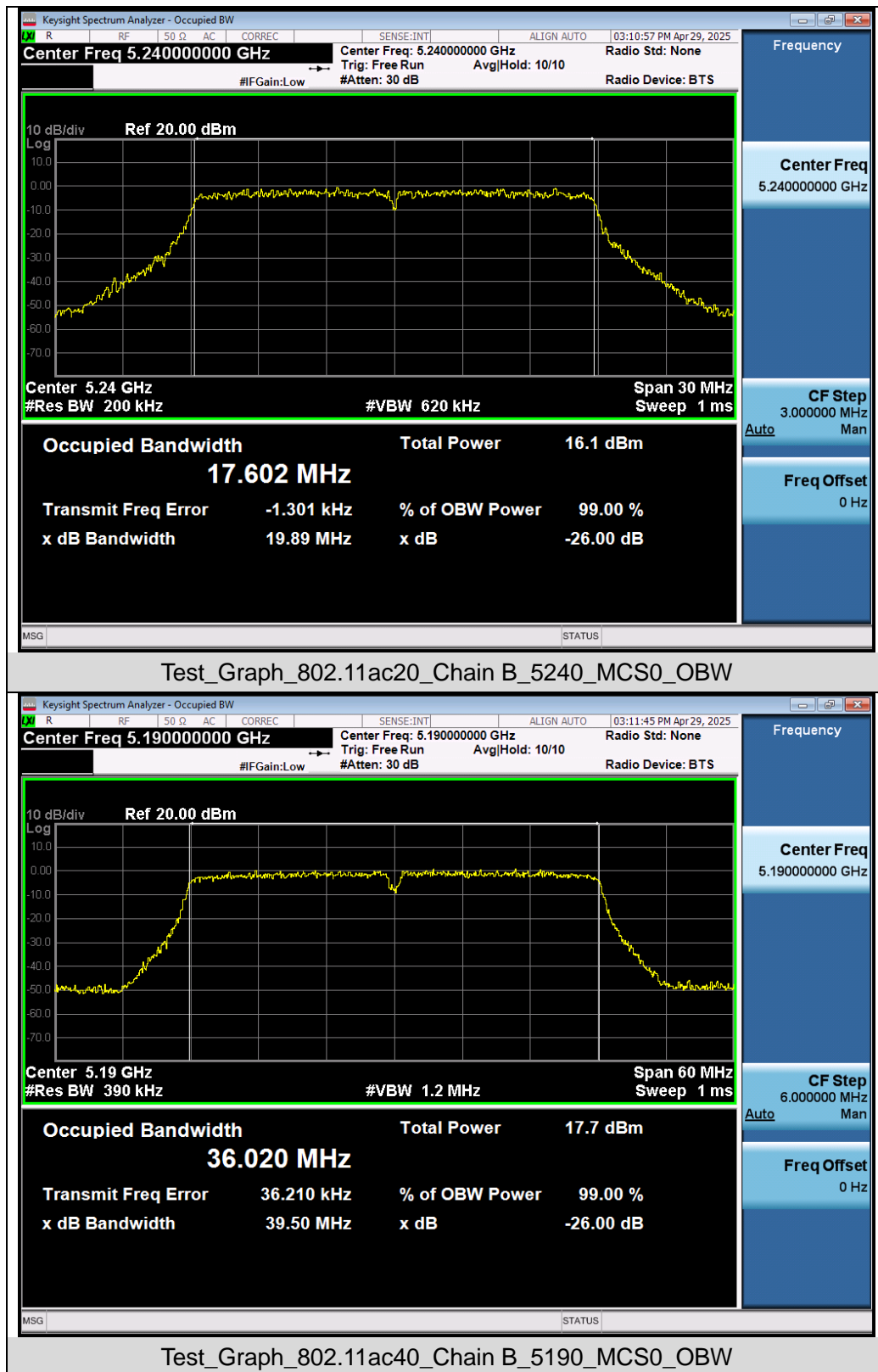


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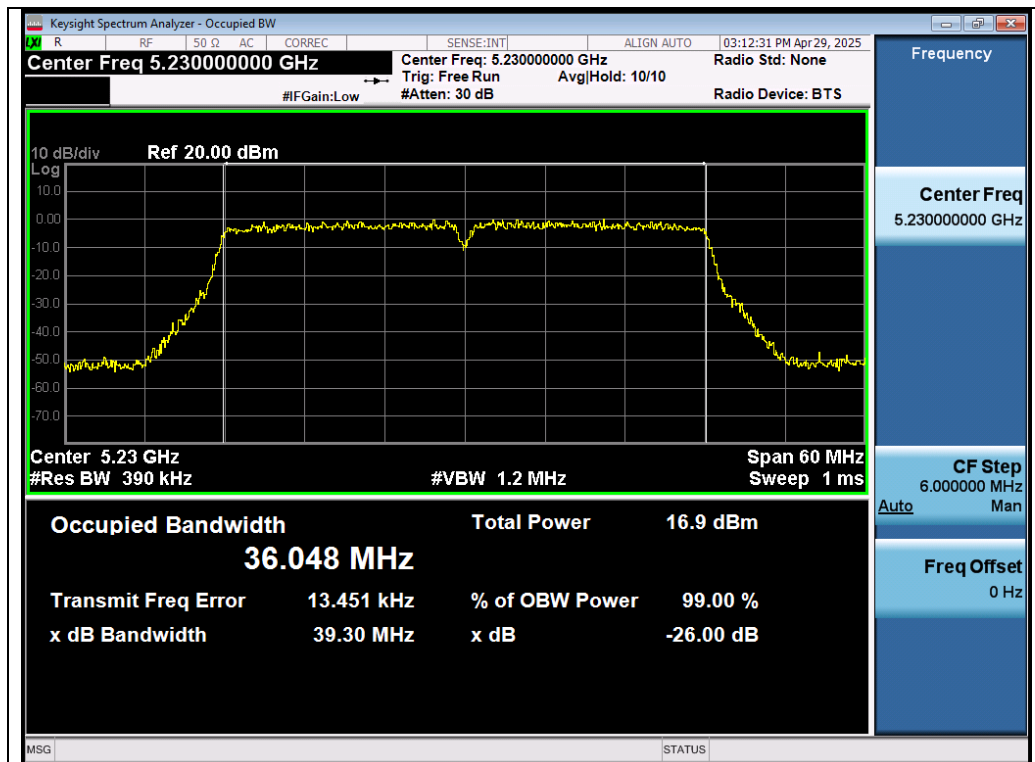
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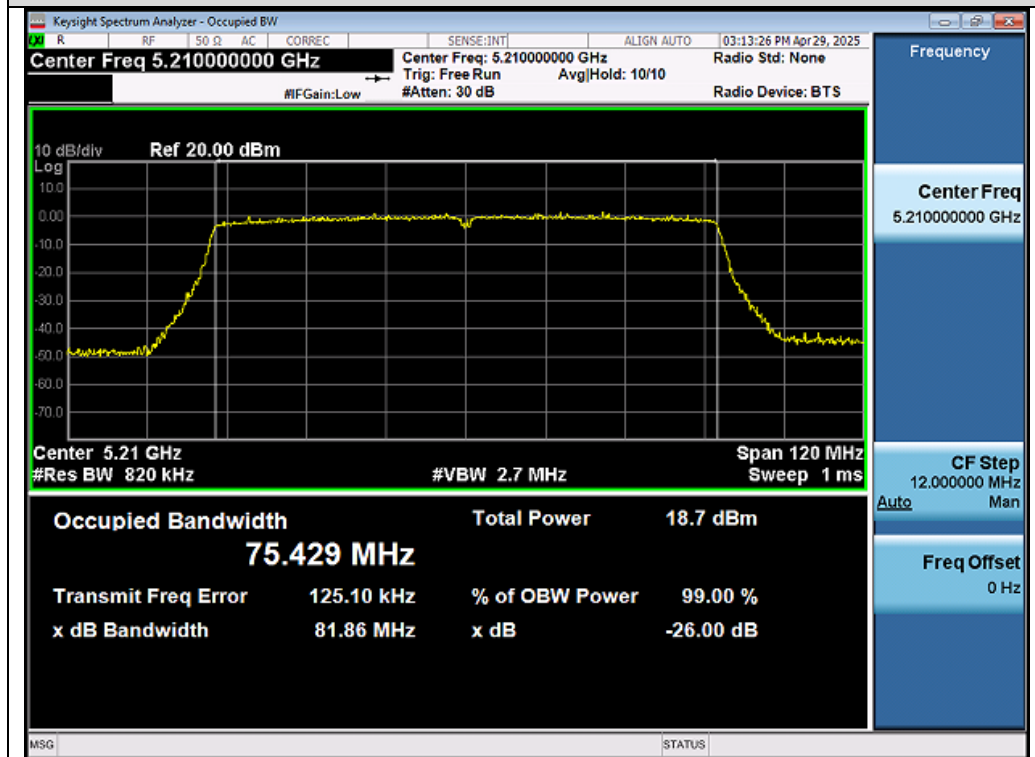
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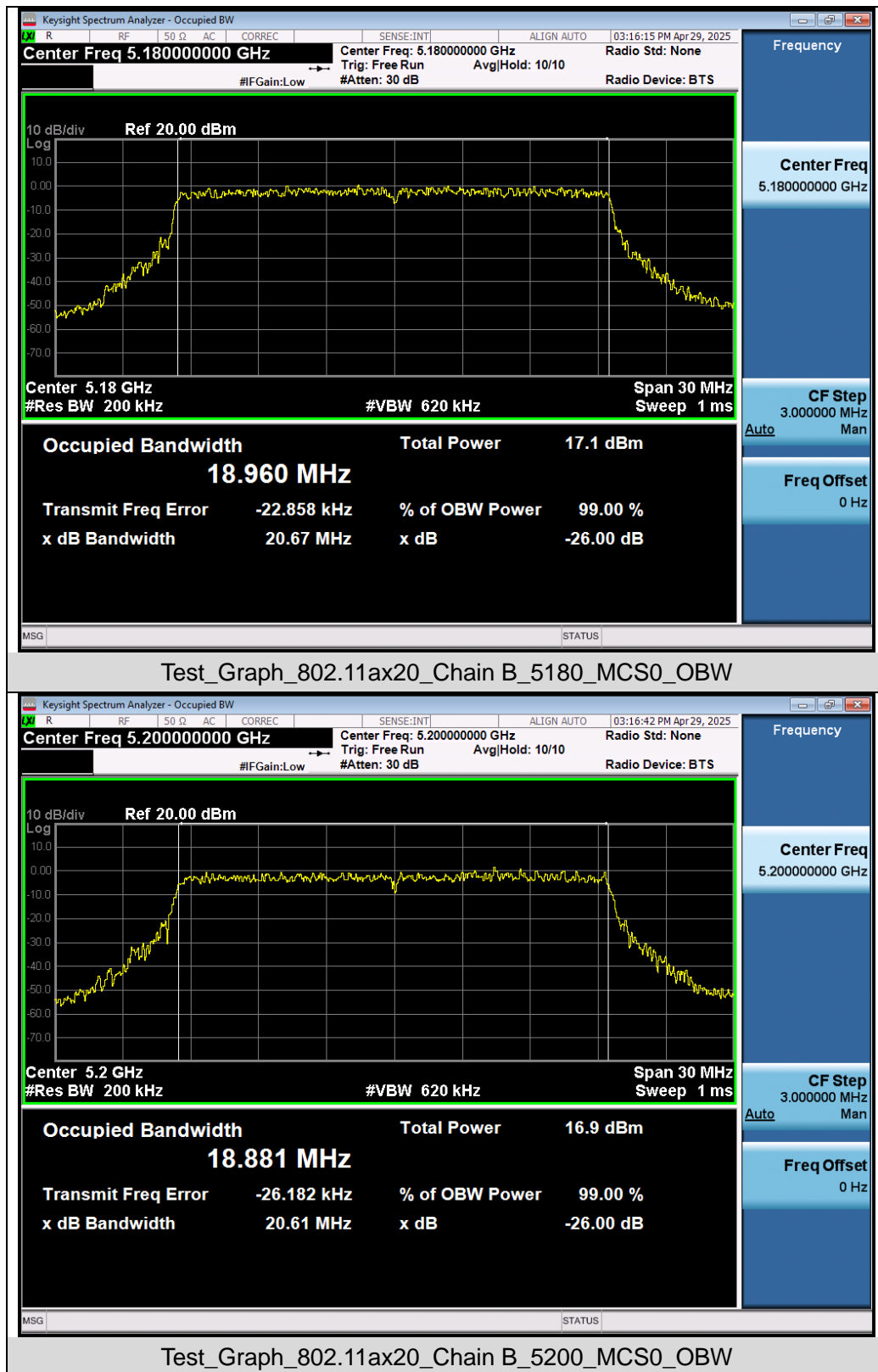


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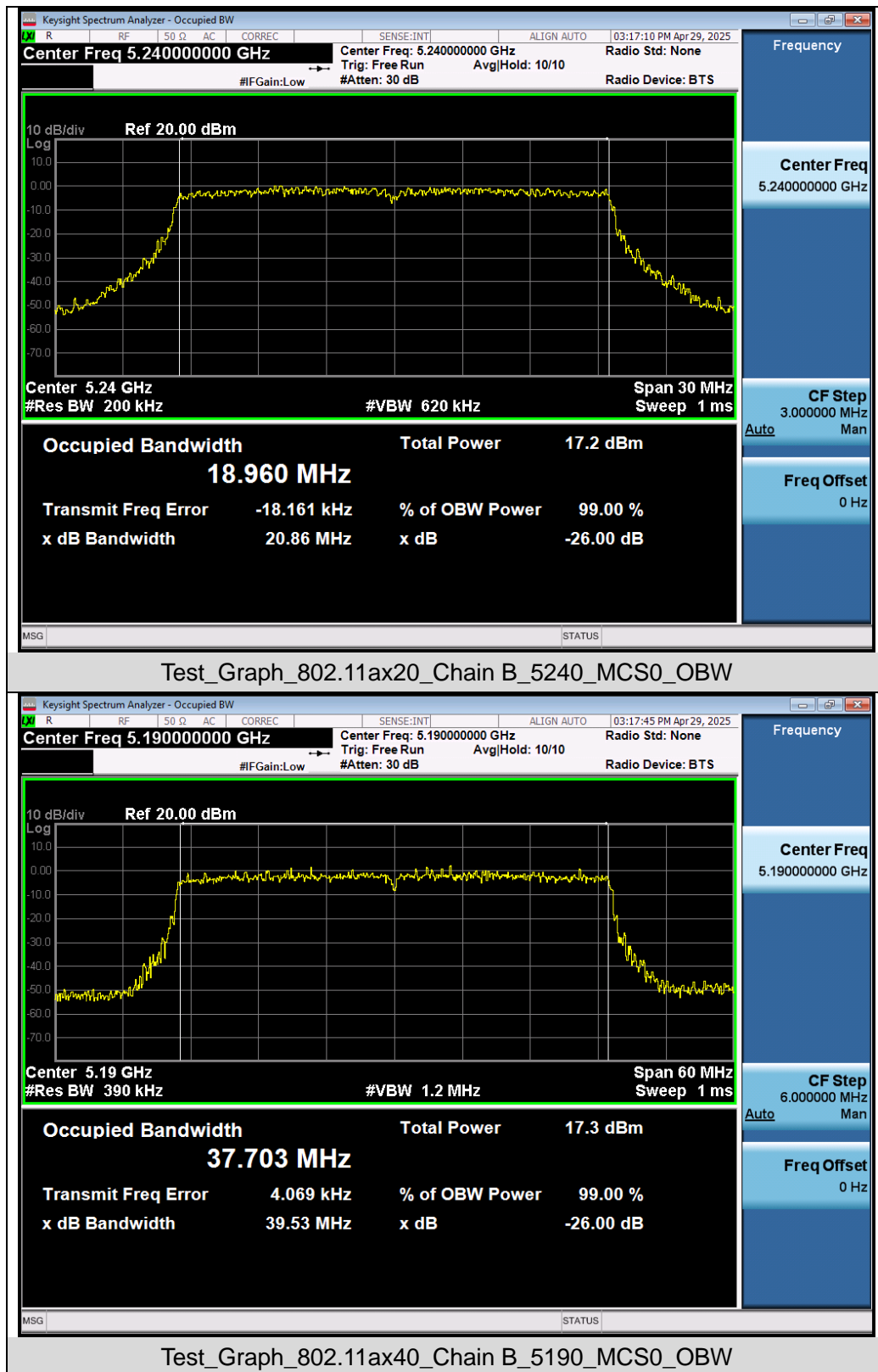


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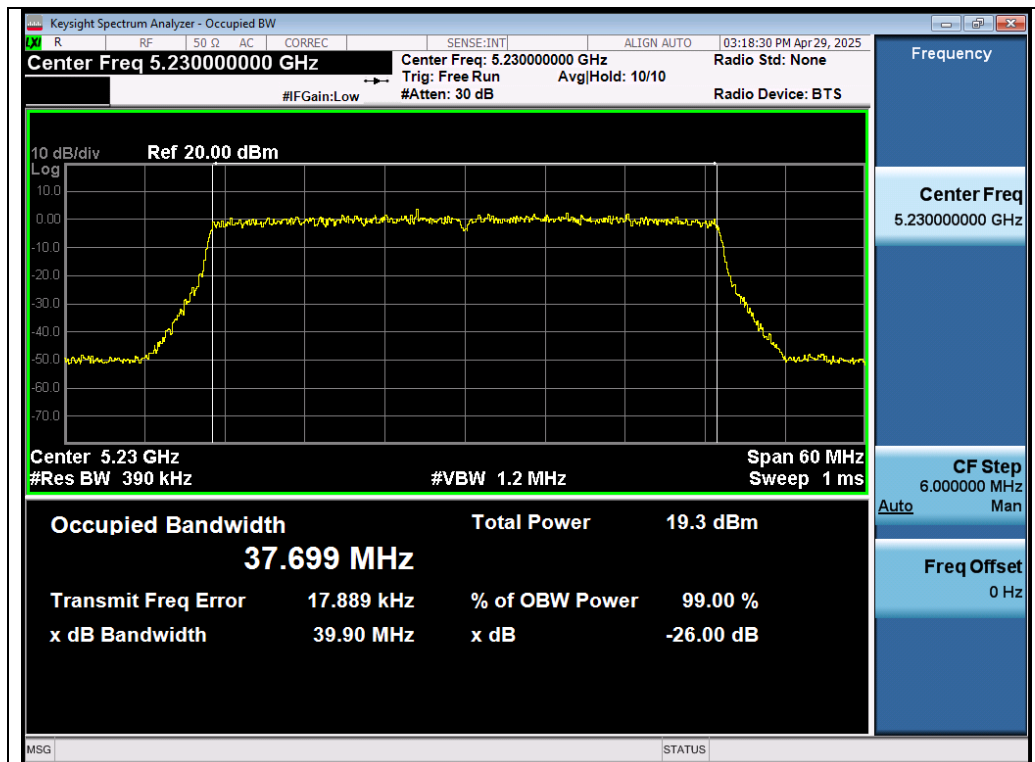
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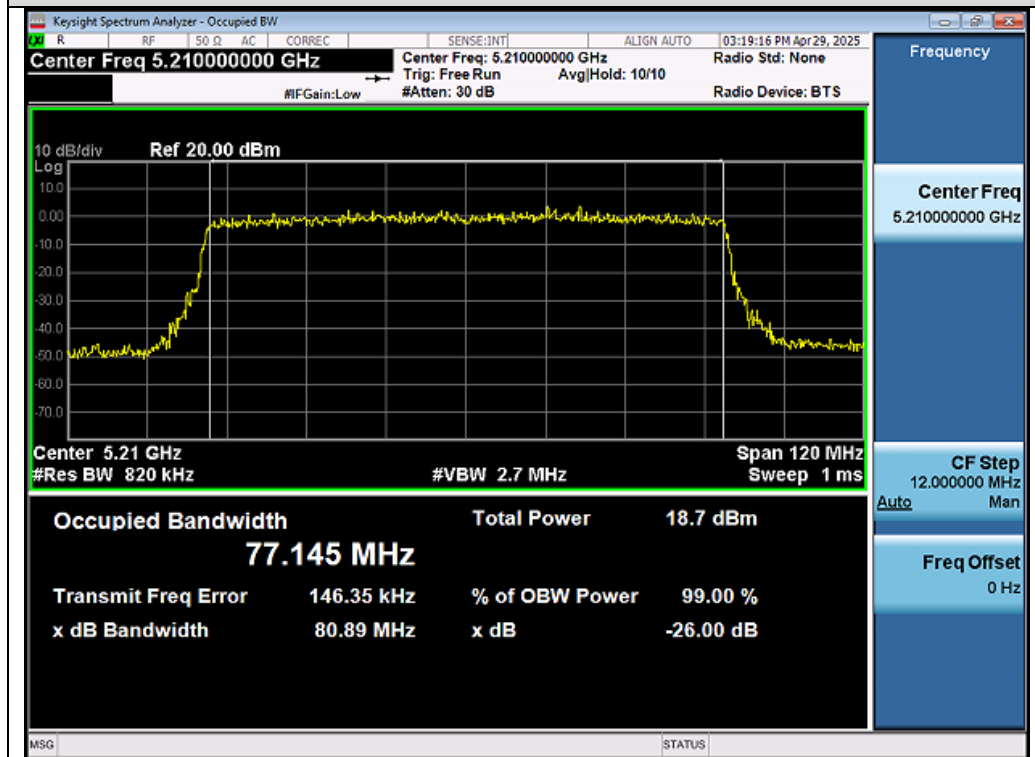
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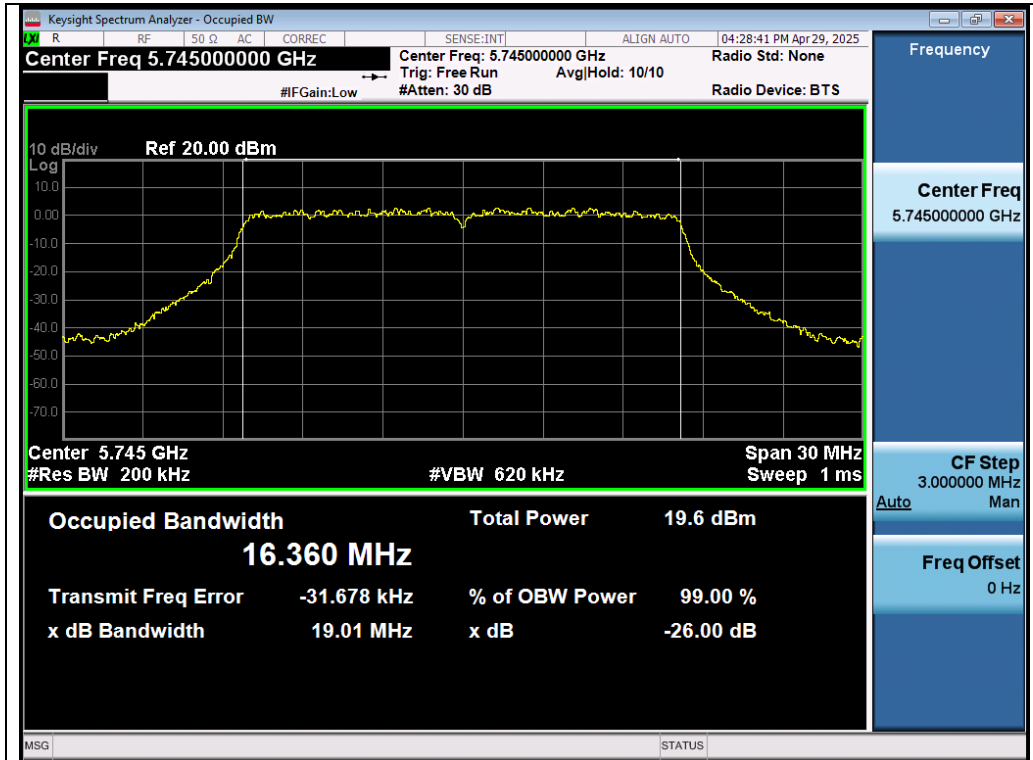
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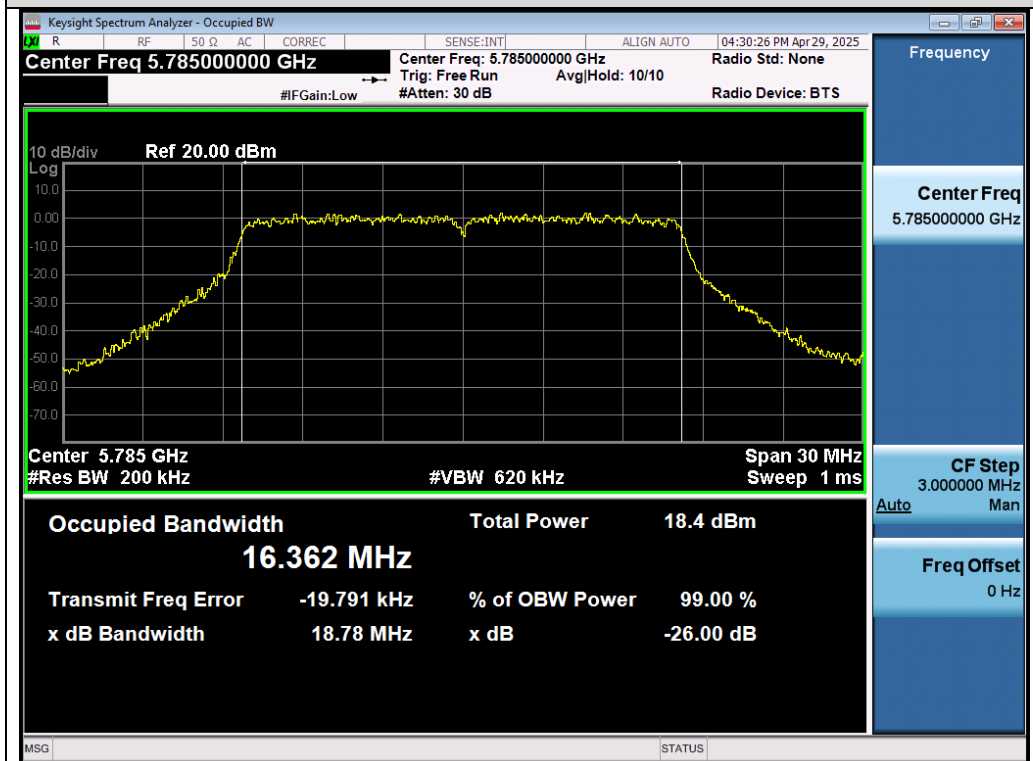
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Test Graphs of Occupied Bandwidth and -26dB Bandwidth for band 5.745-5.825 GHz

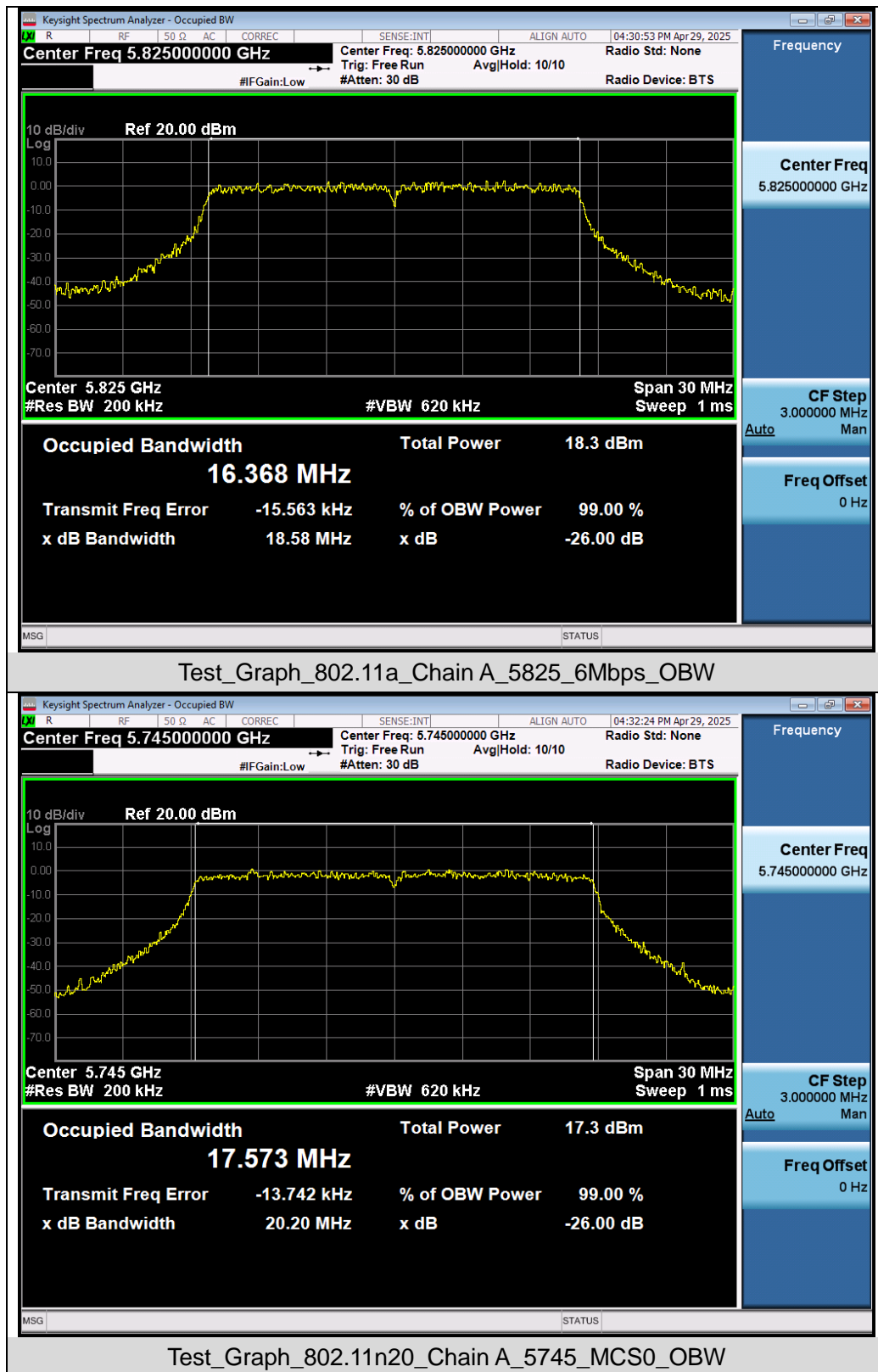


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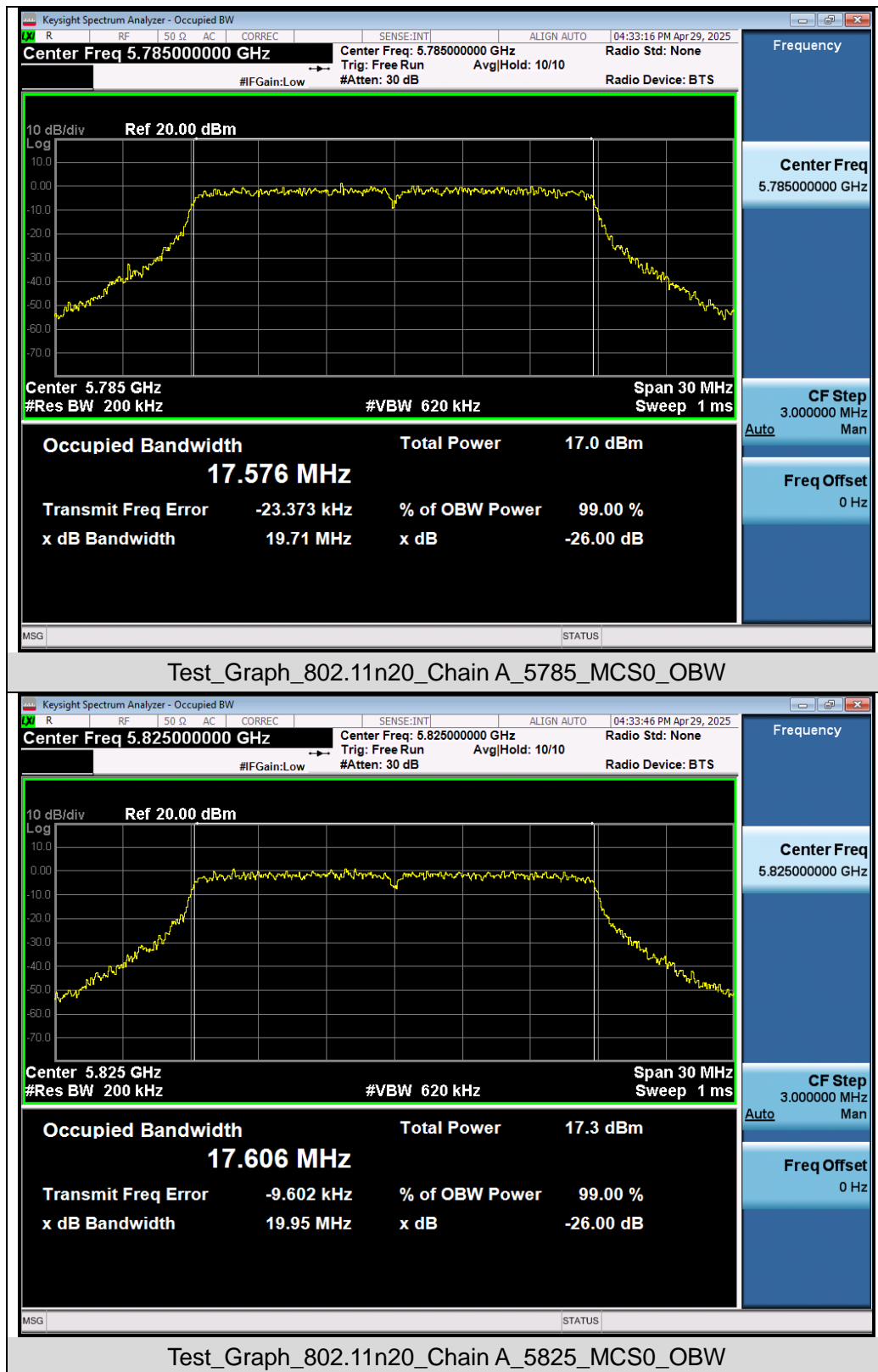


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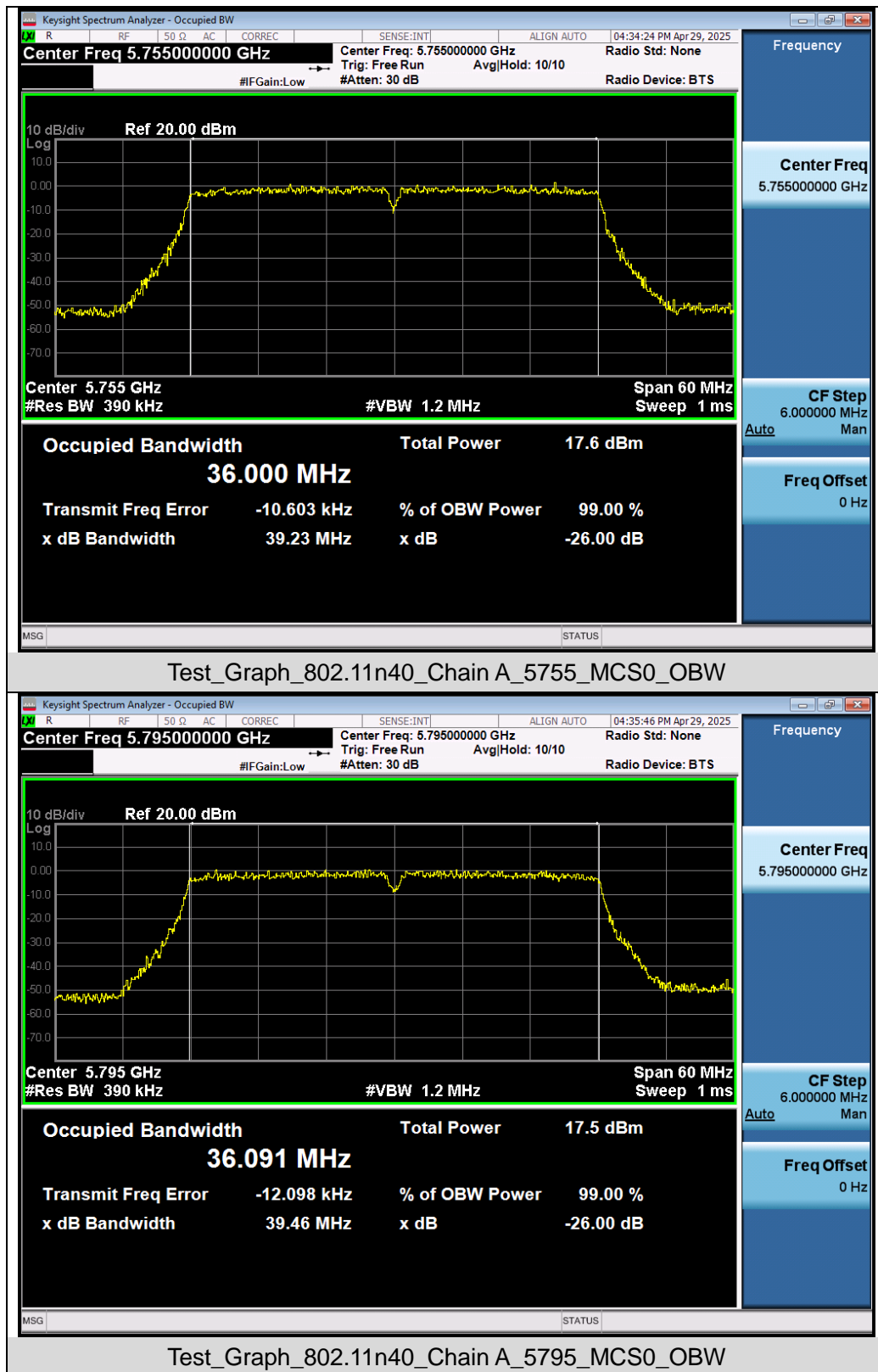
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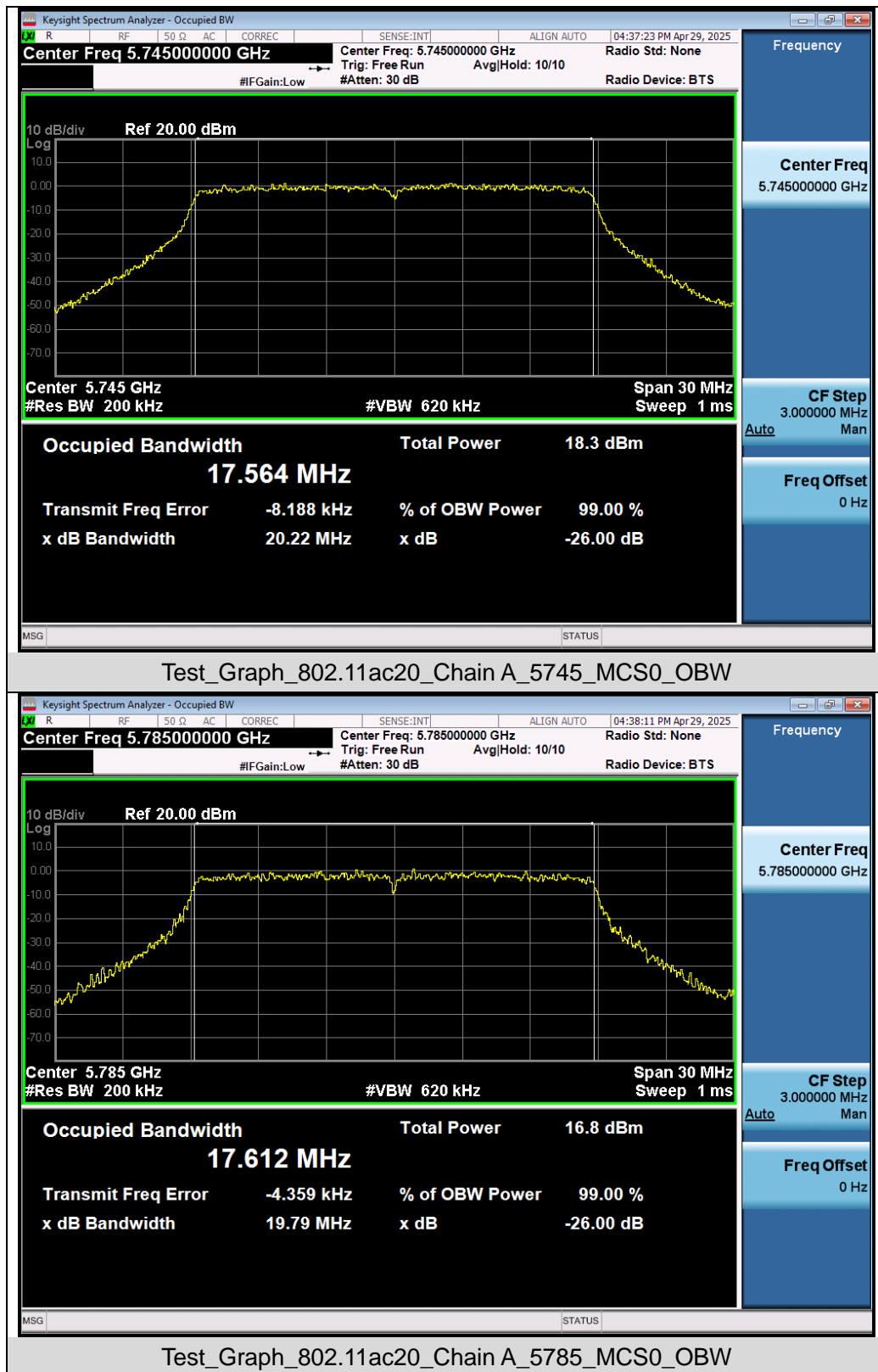
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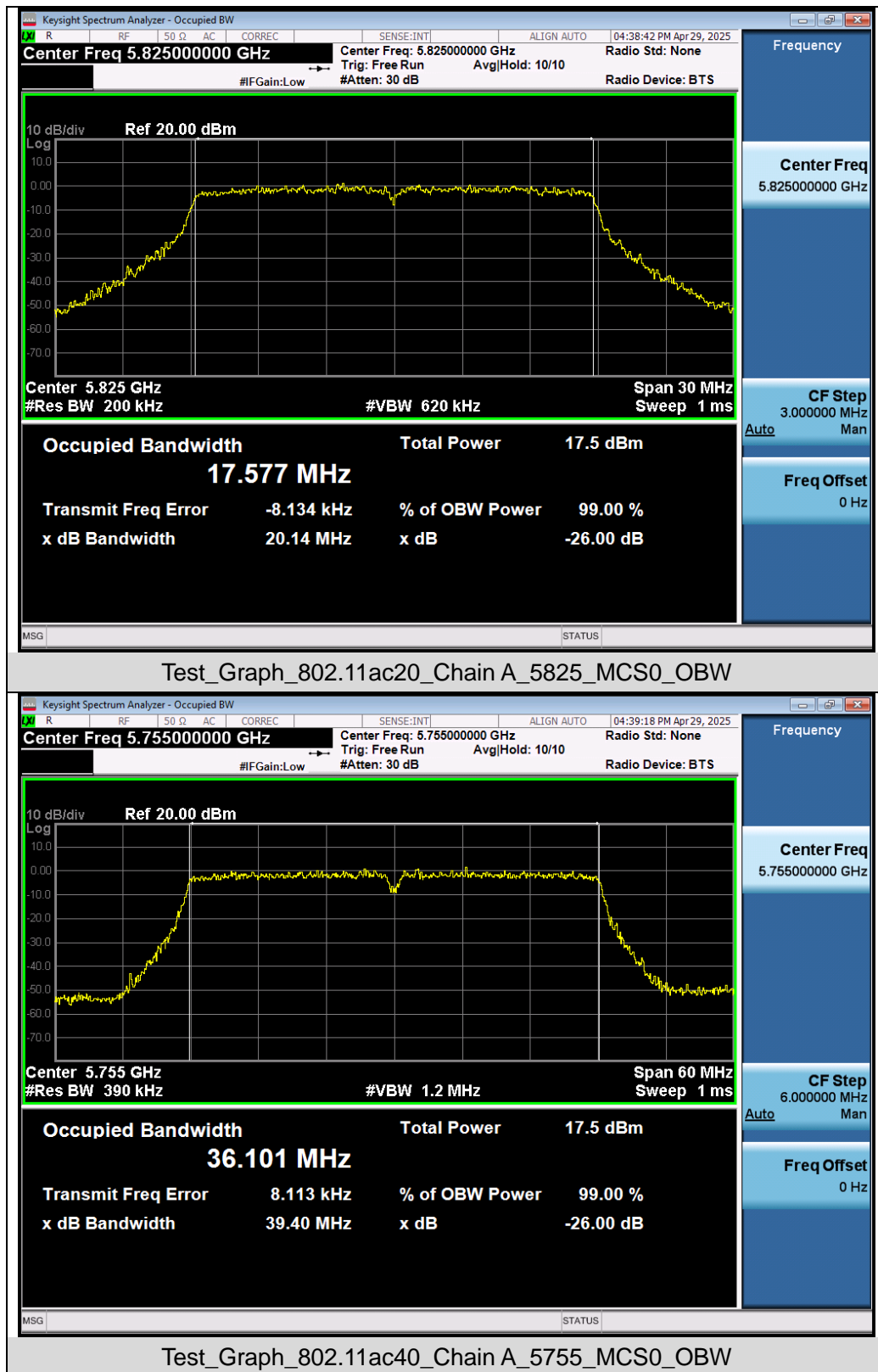
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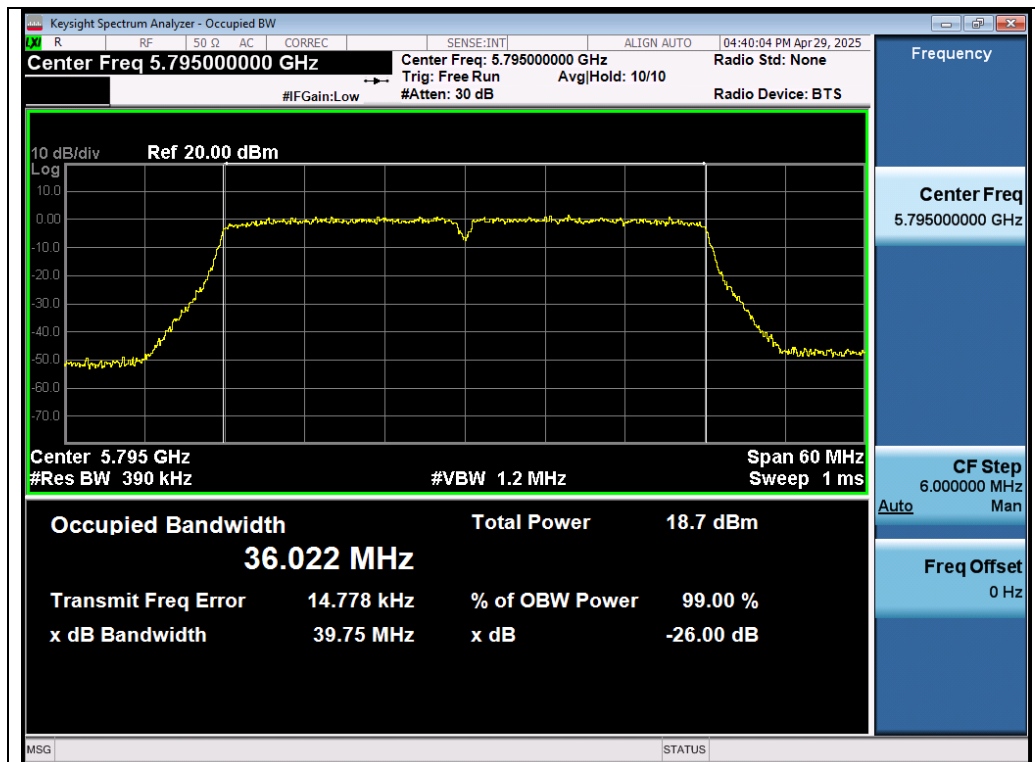


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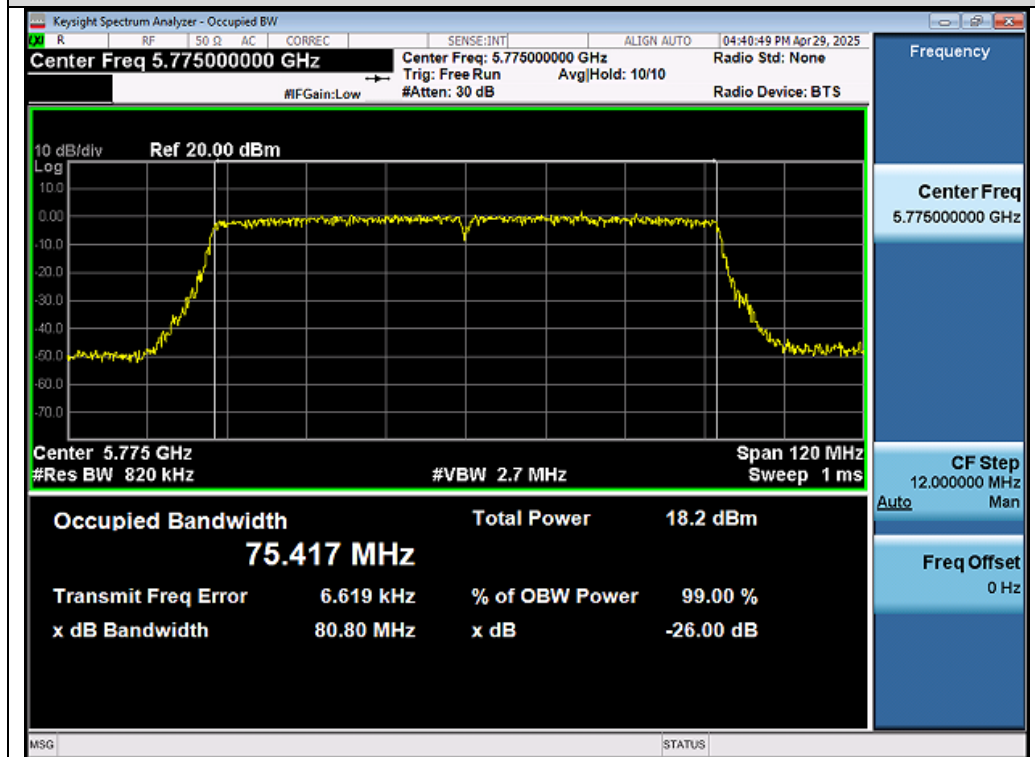


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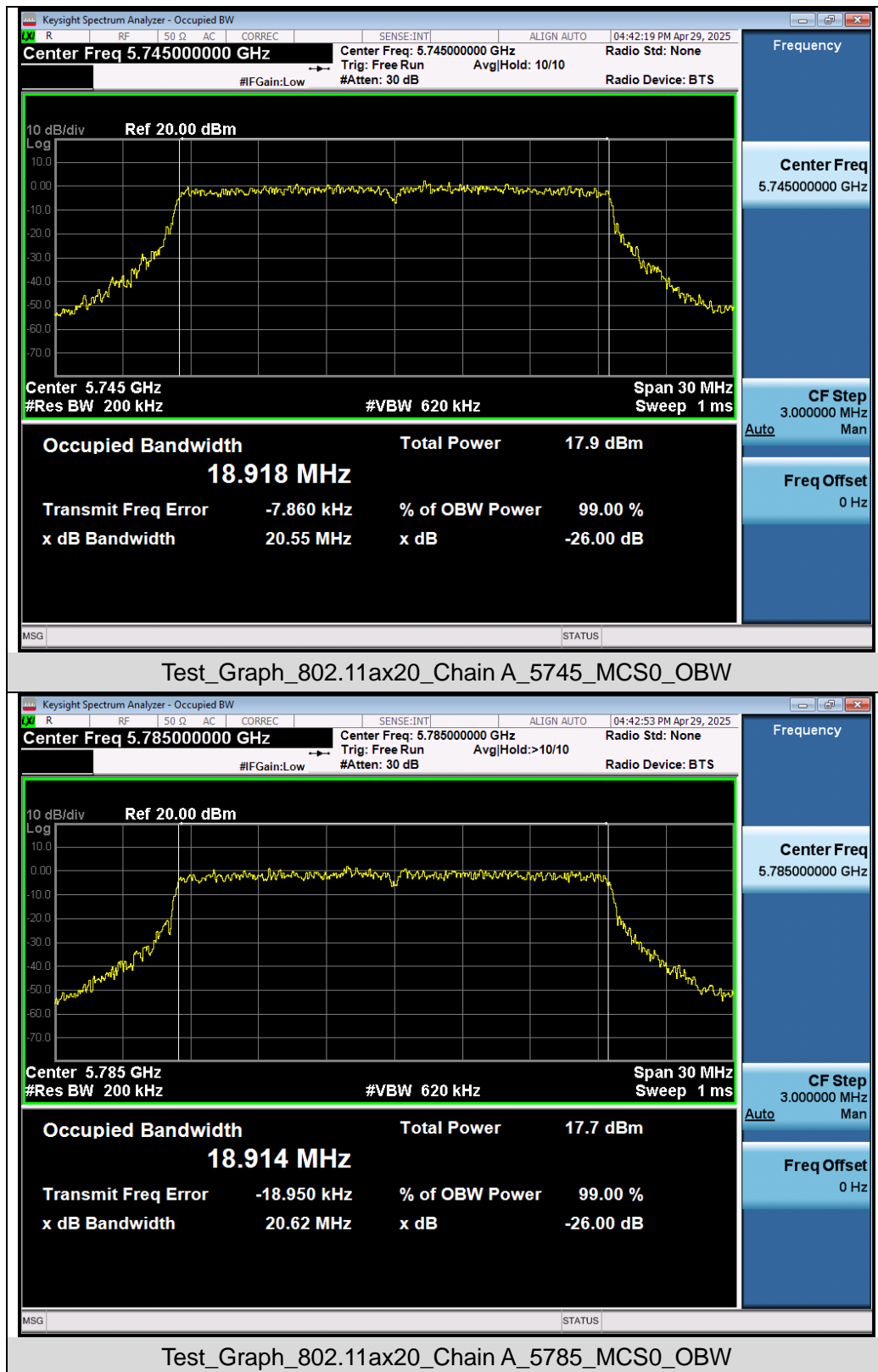


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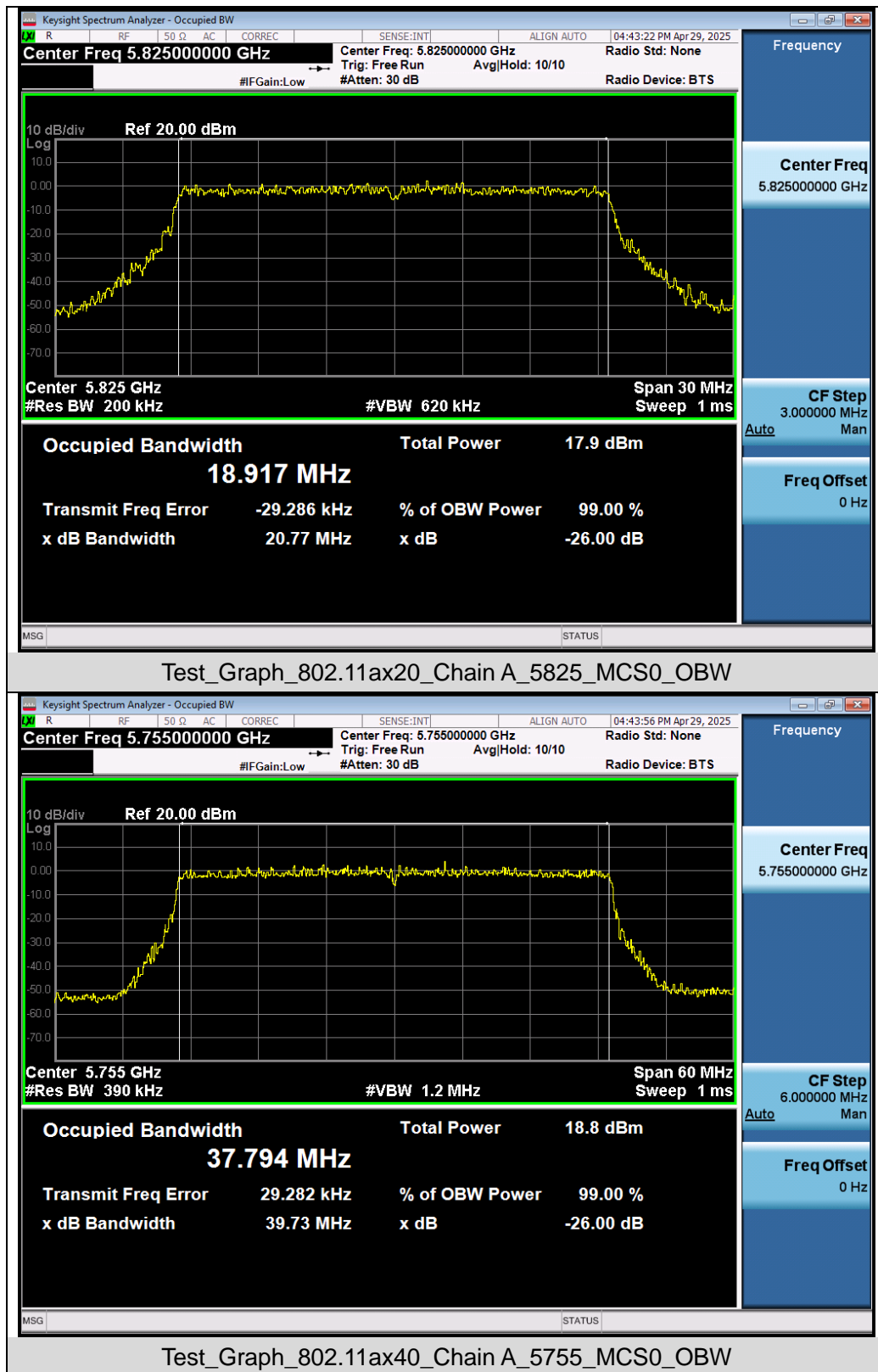


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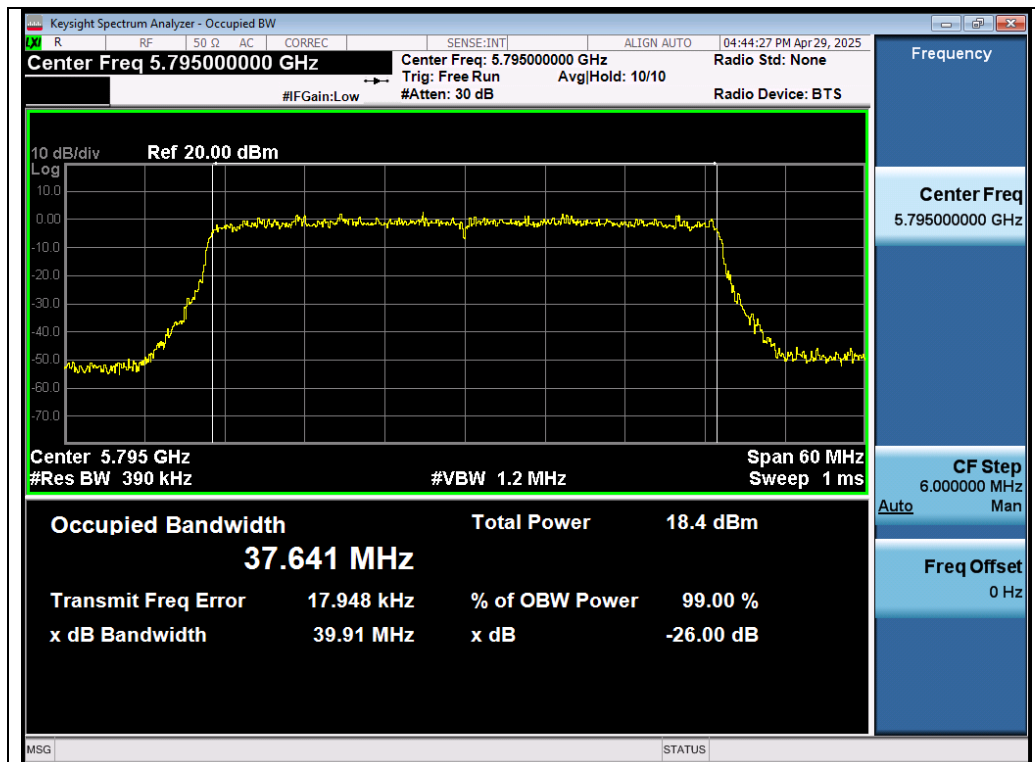
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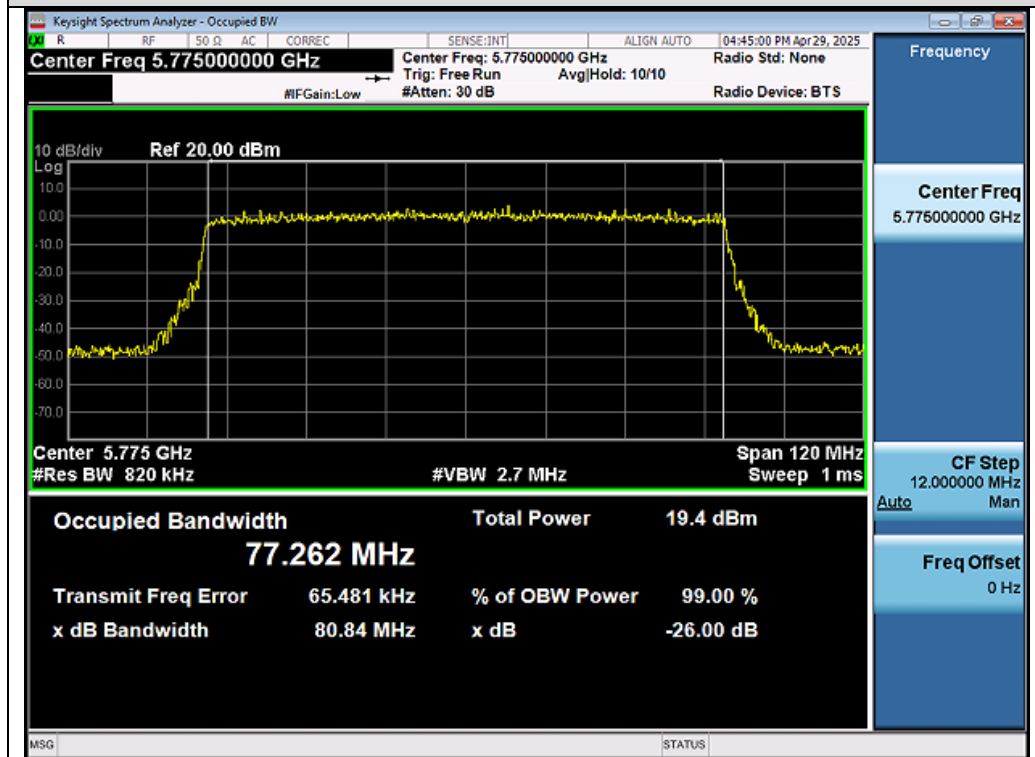
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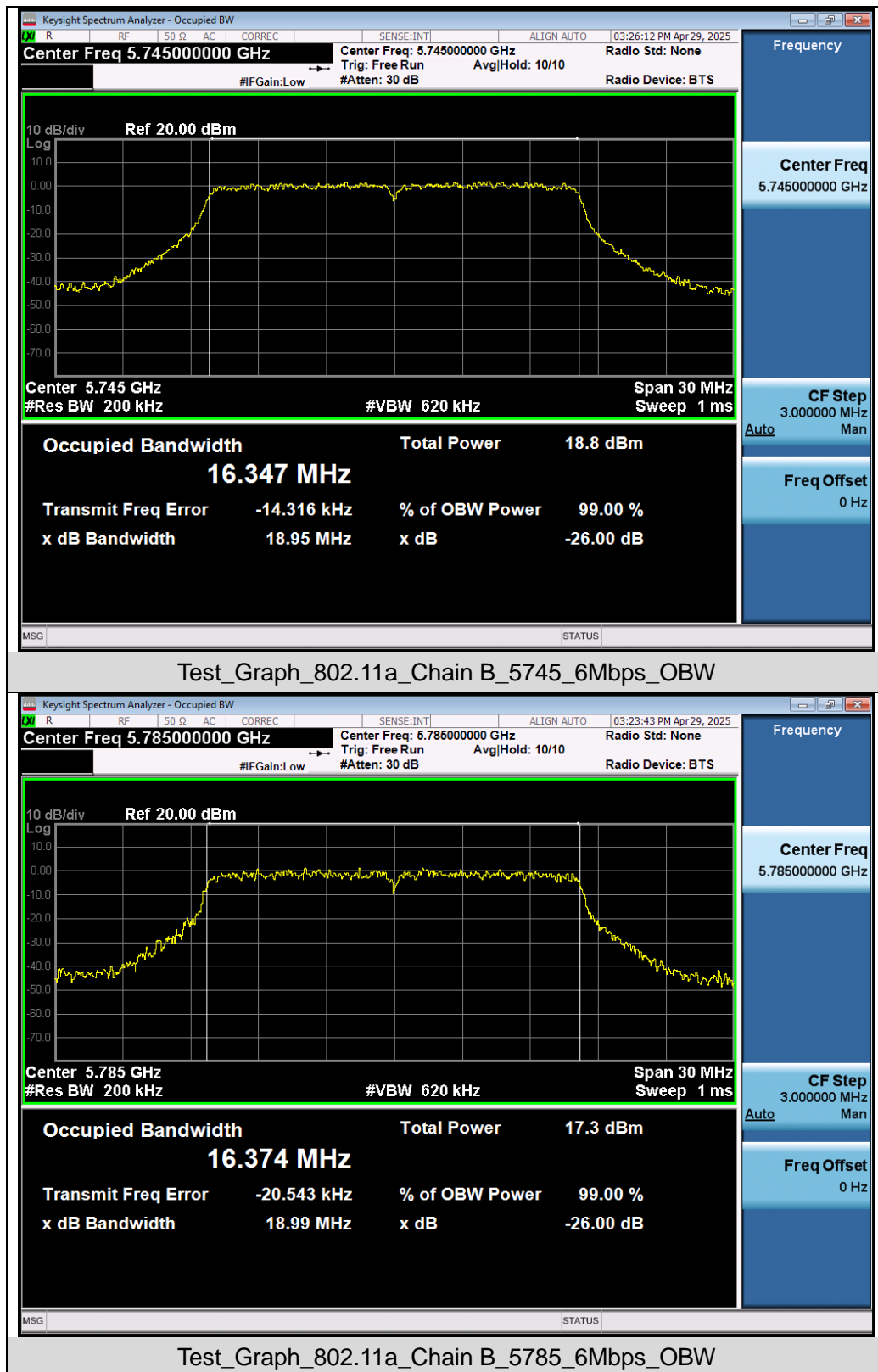


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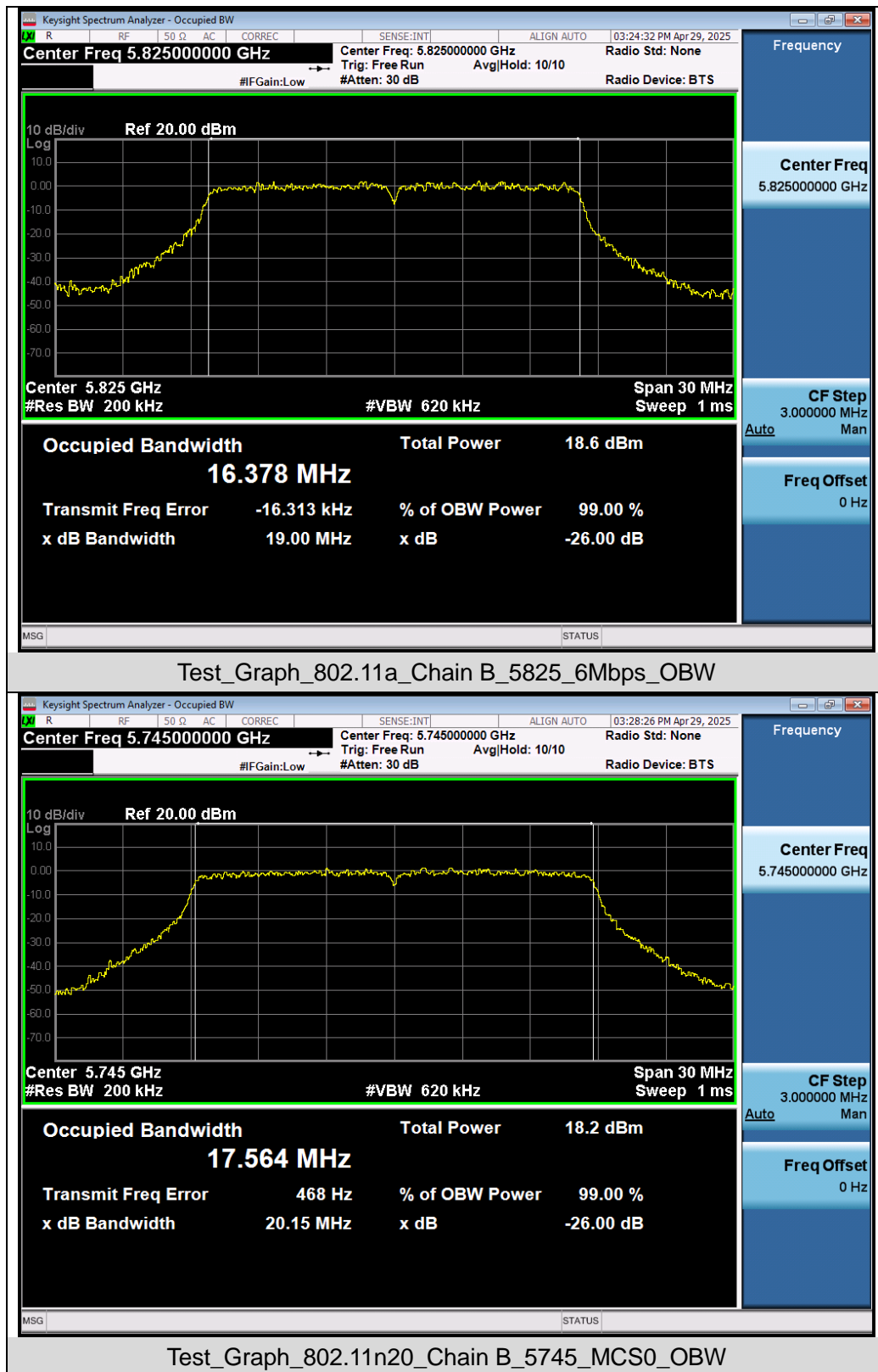
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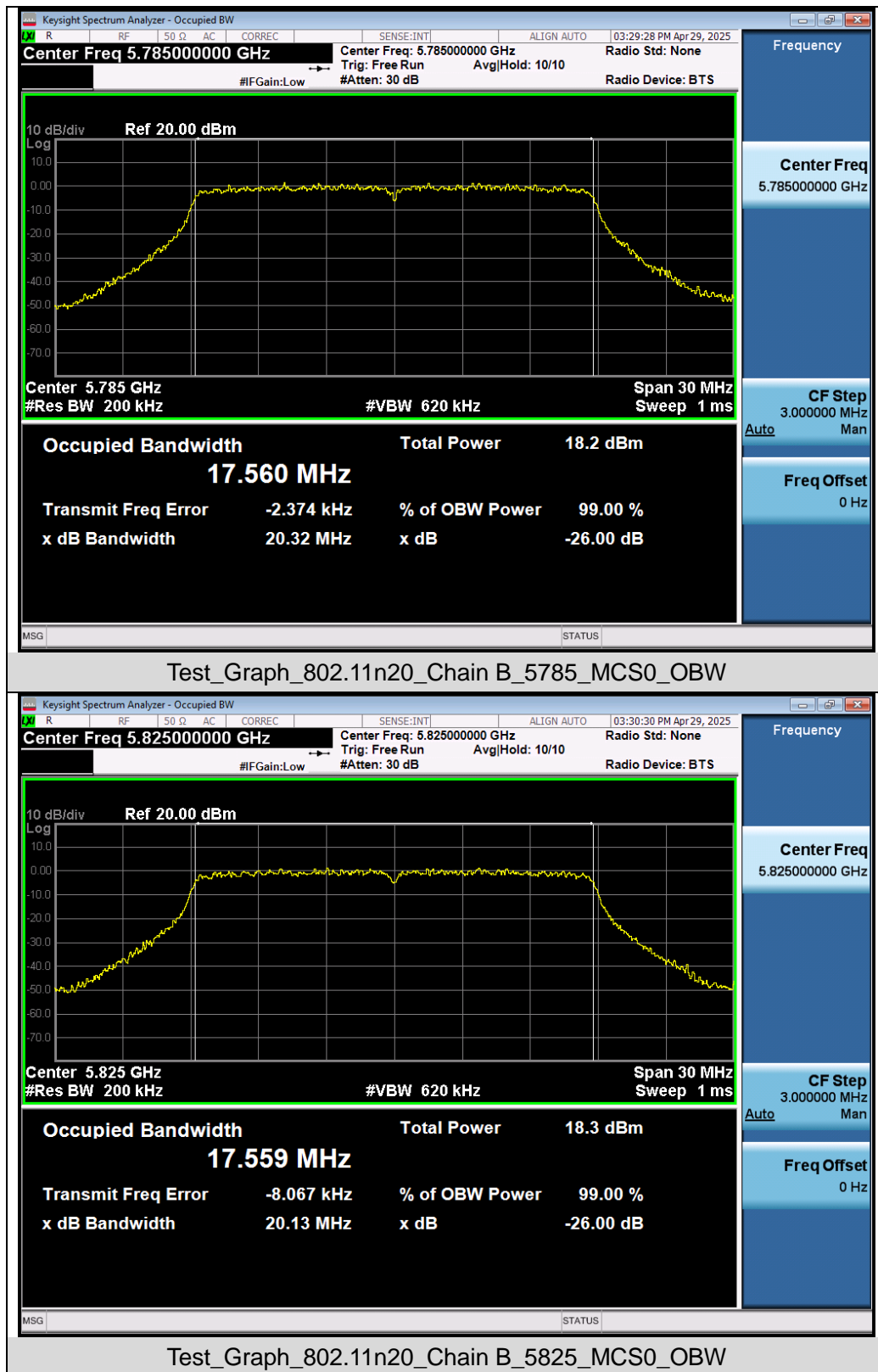
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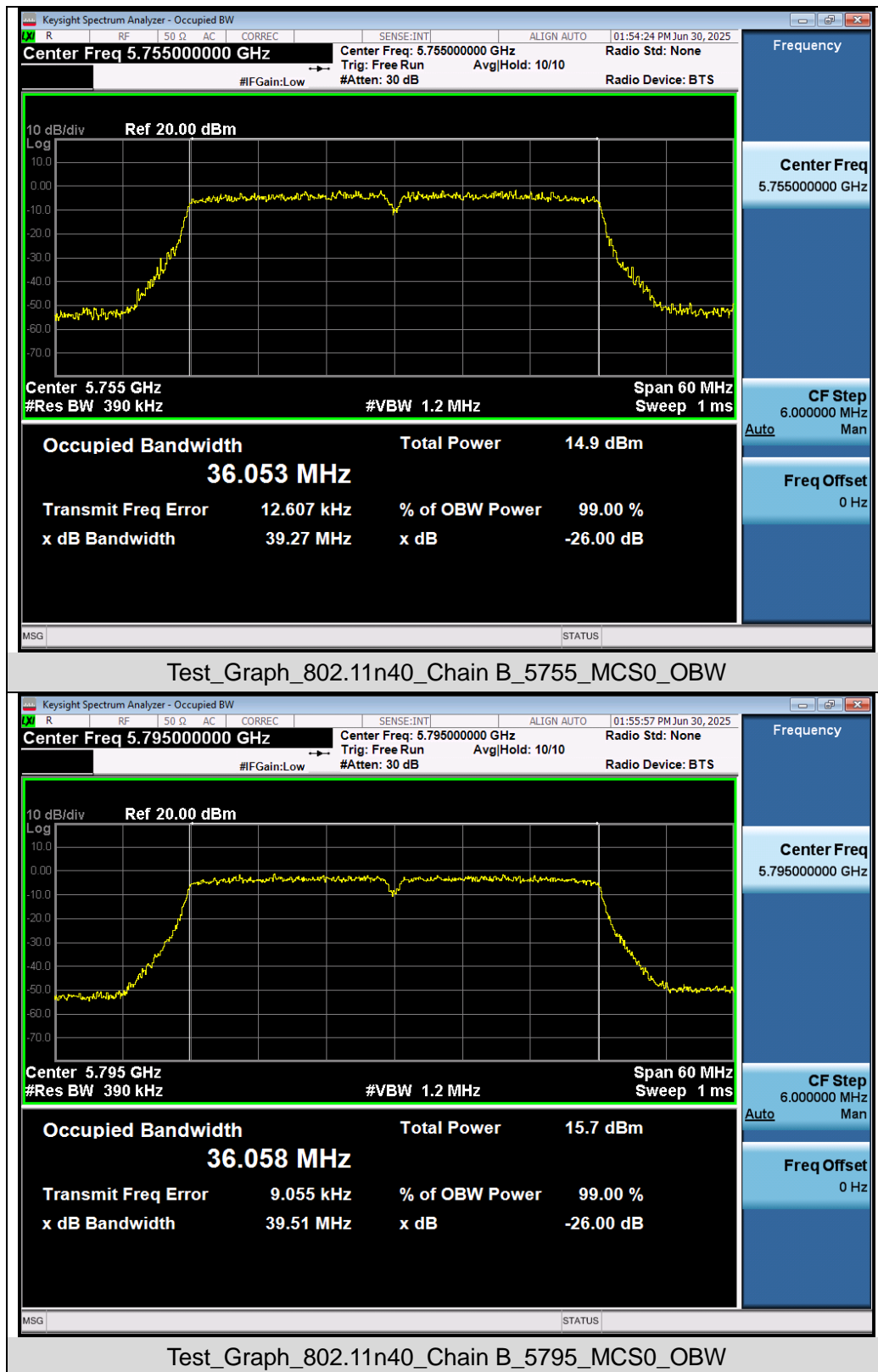


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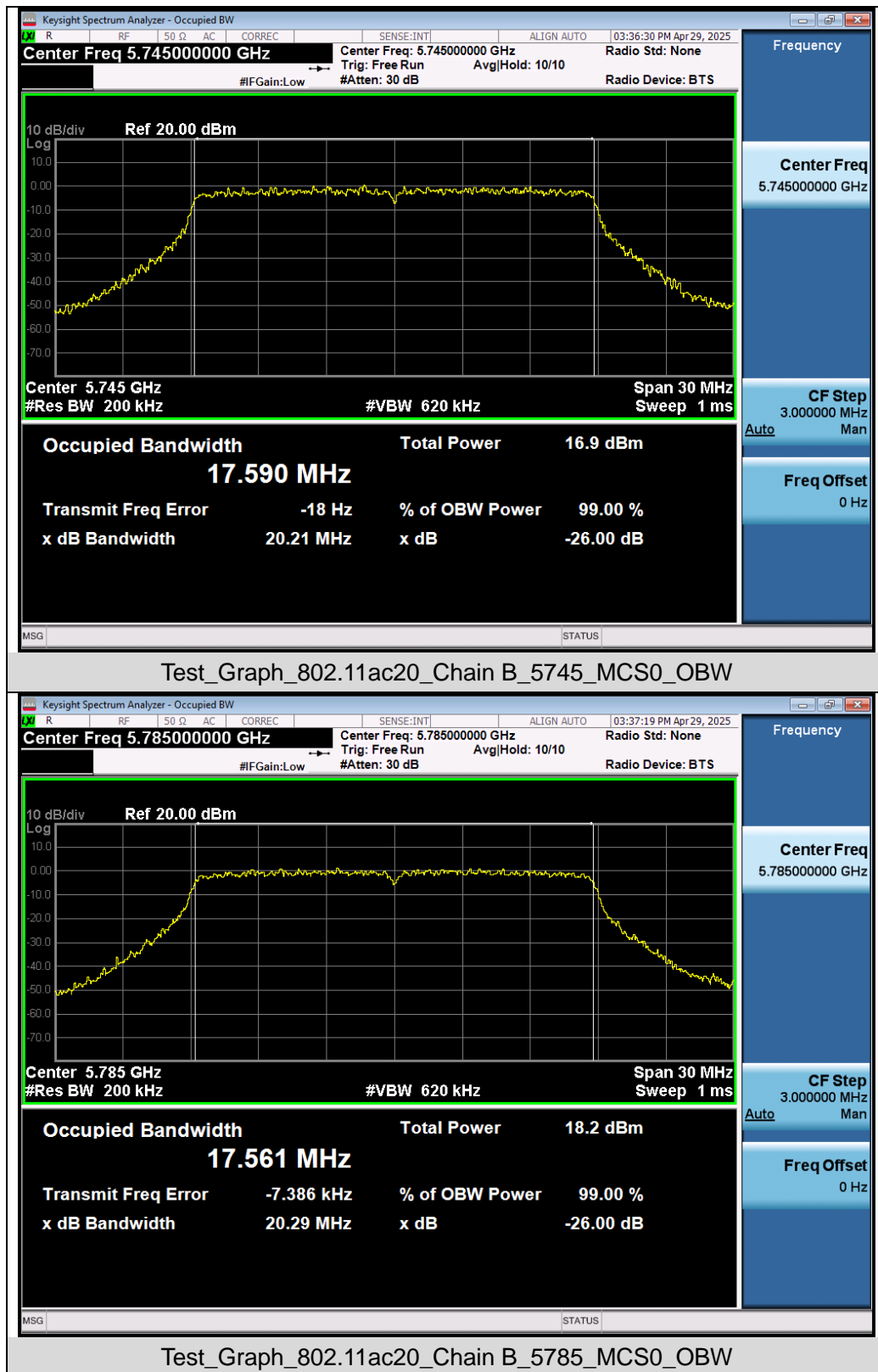


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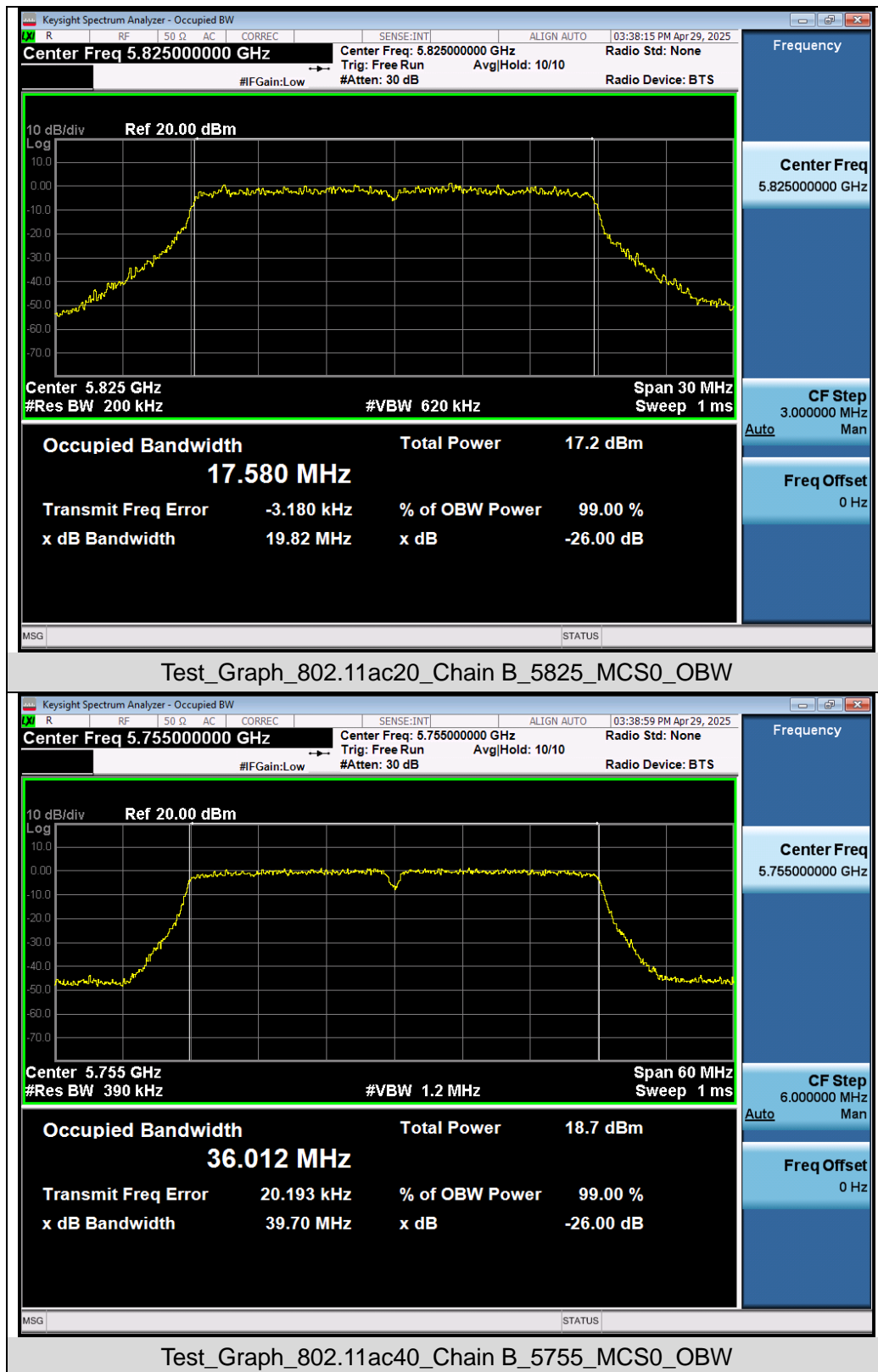


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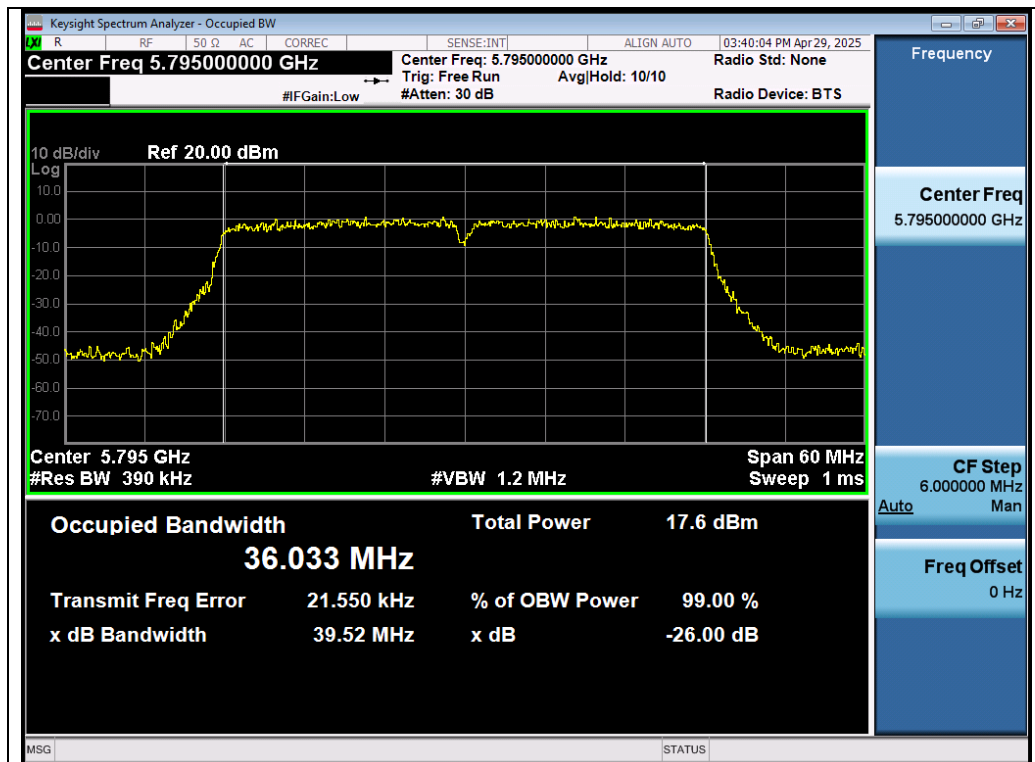


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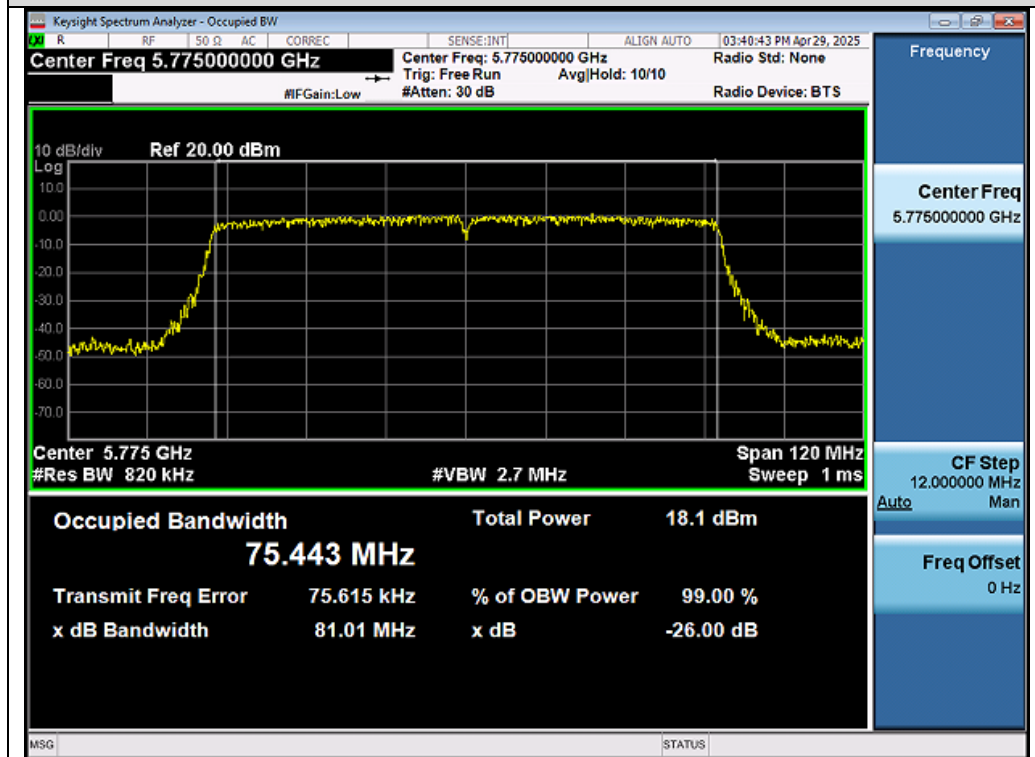


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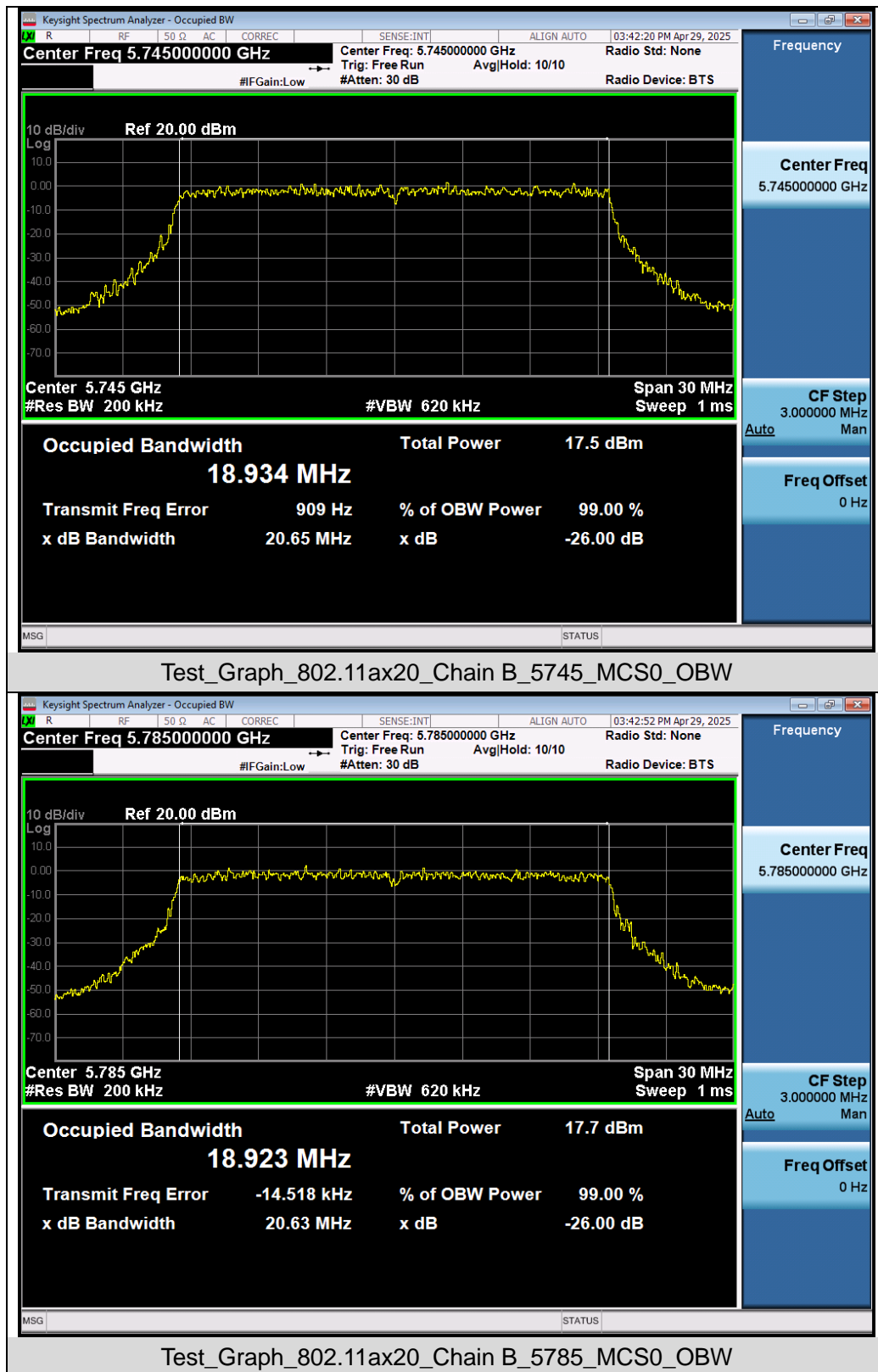


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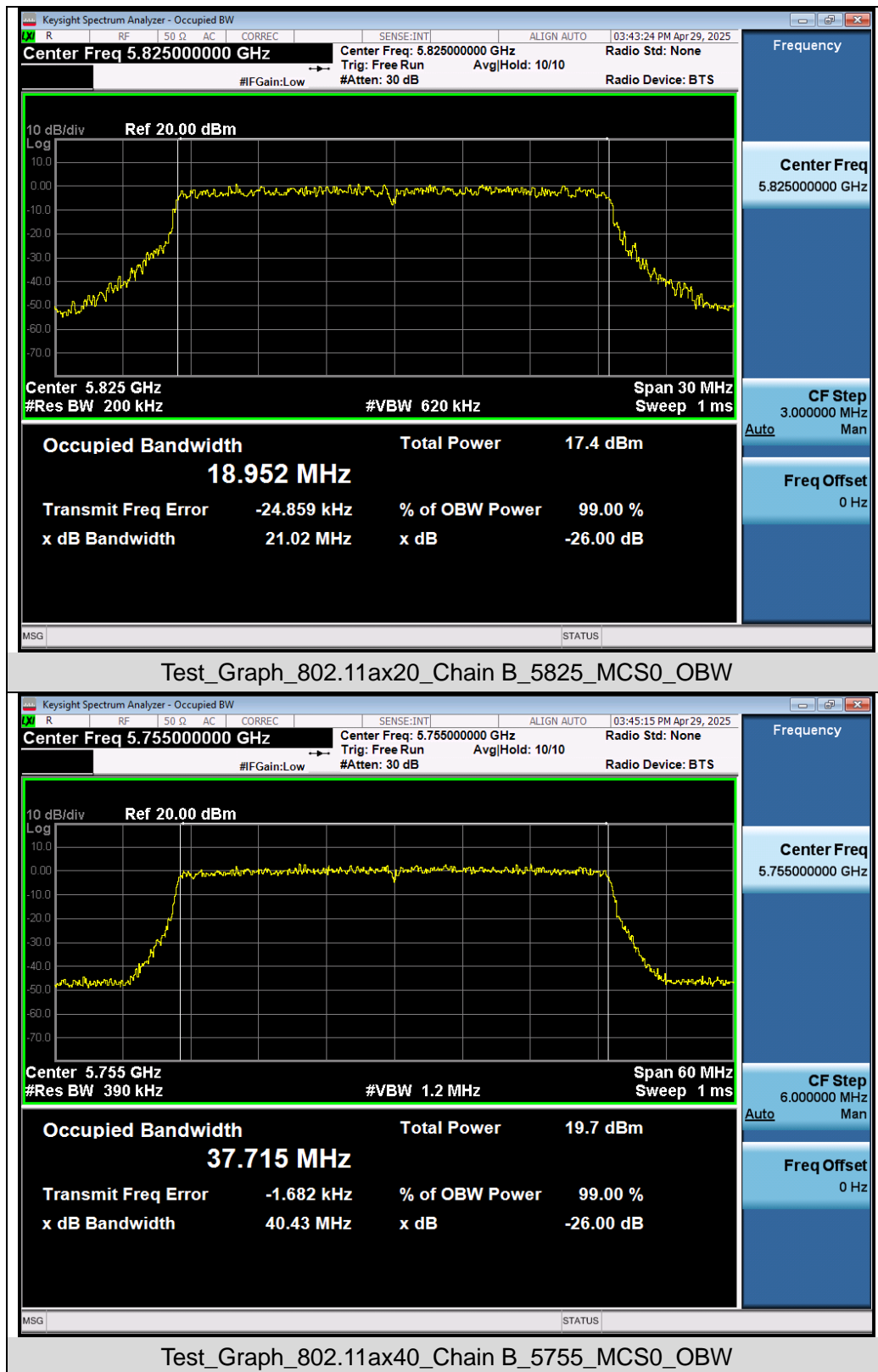


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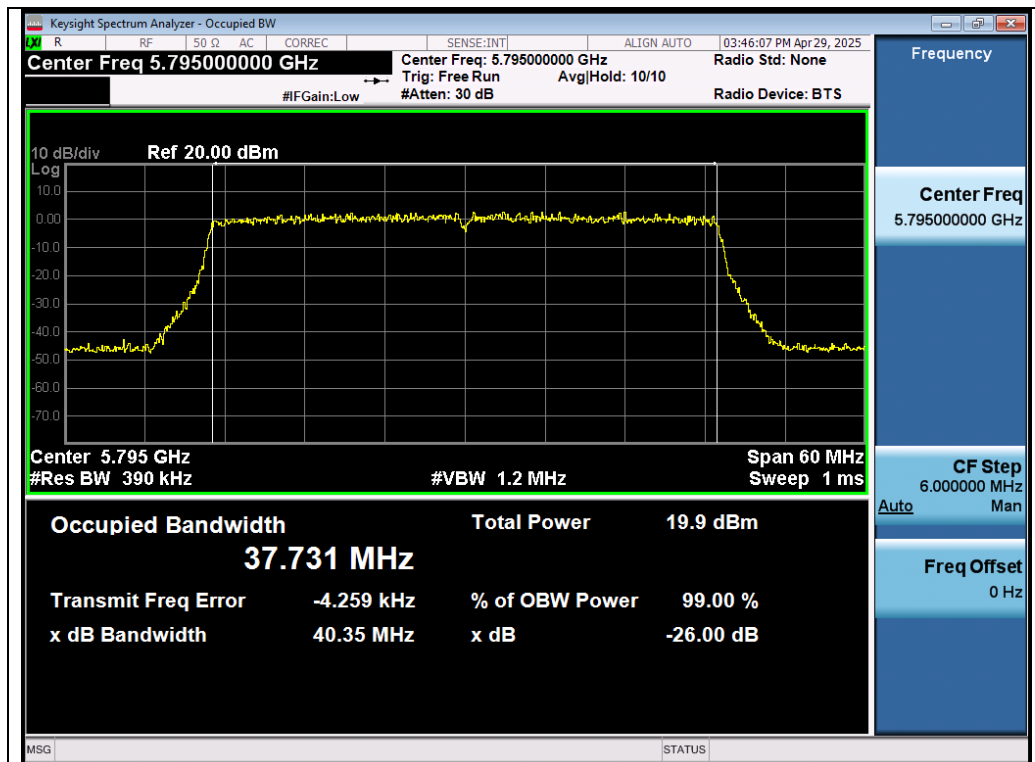
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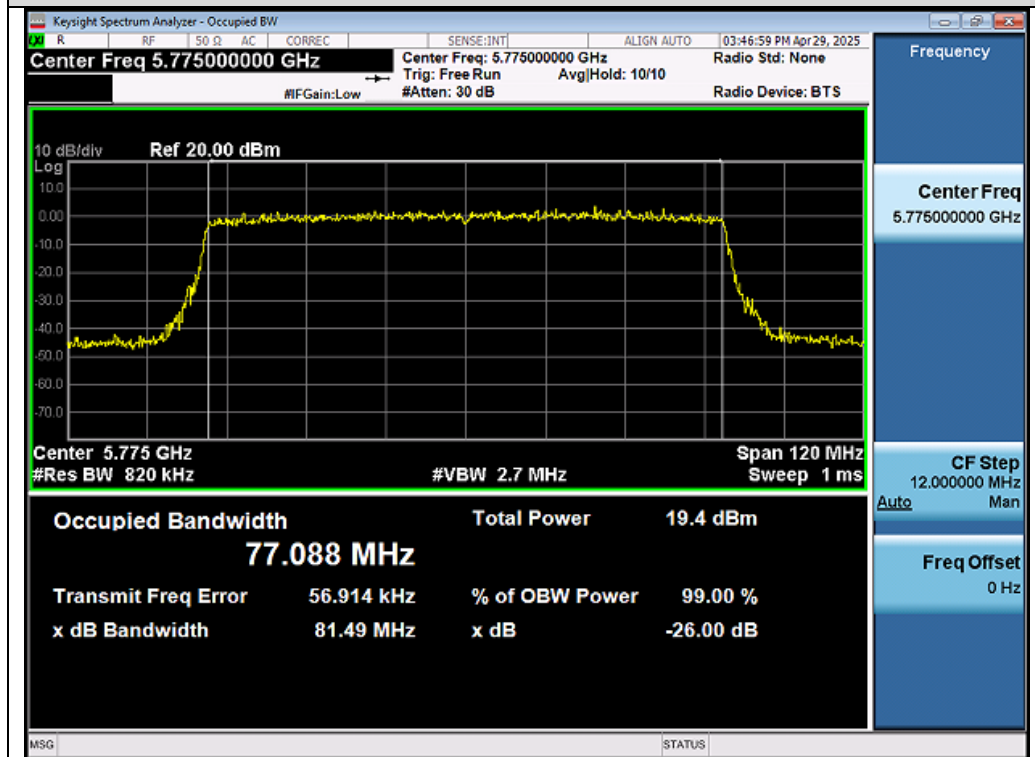
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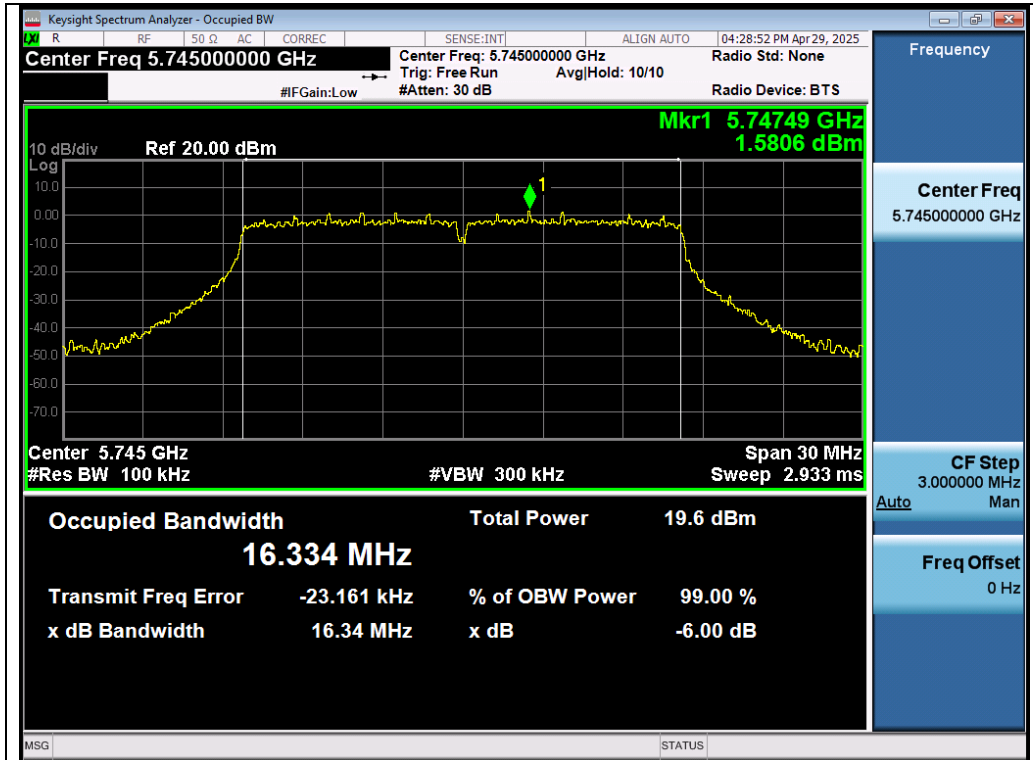


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Test Graphs of DTS Bandwidth for band 5.725-5.85 GHz

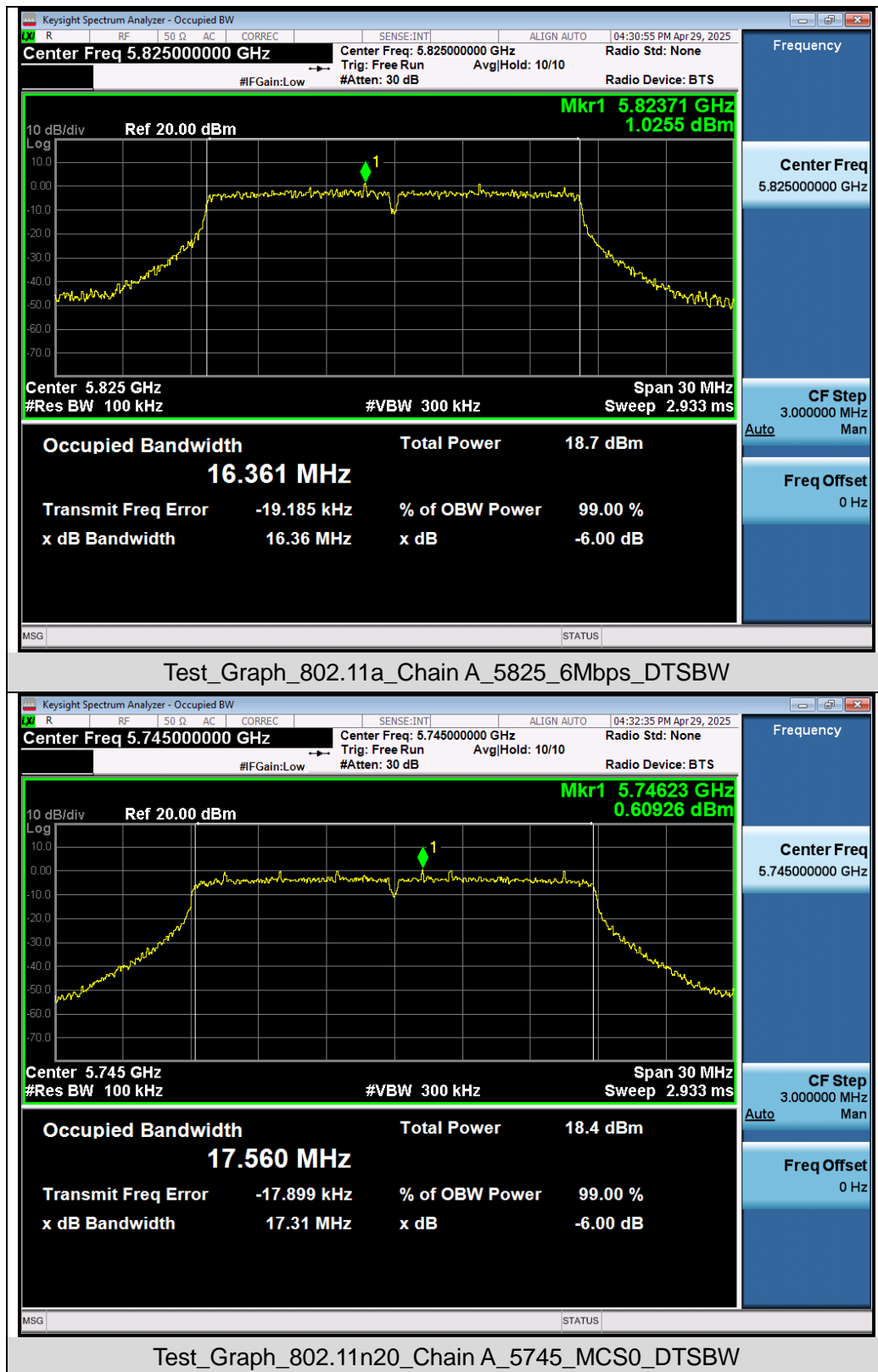


Test_Graph_802.11a_Chain A_5745_6Mbps_DTSBW

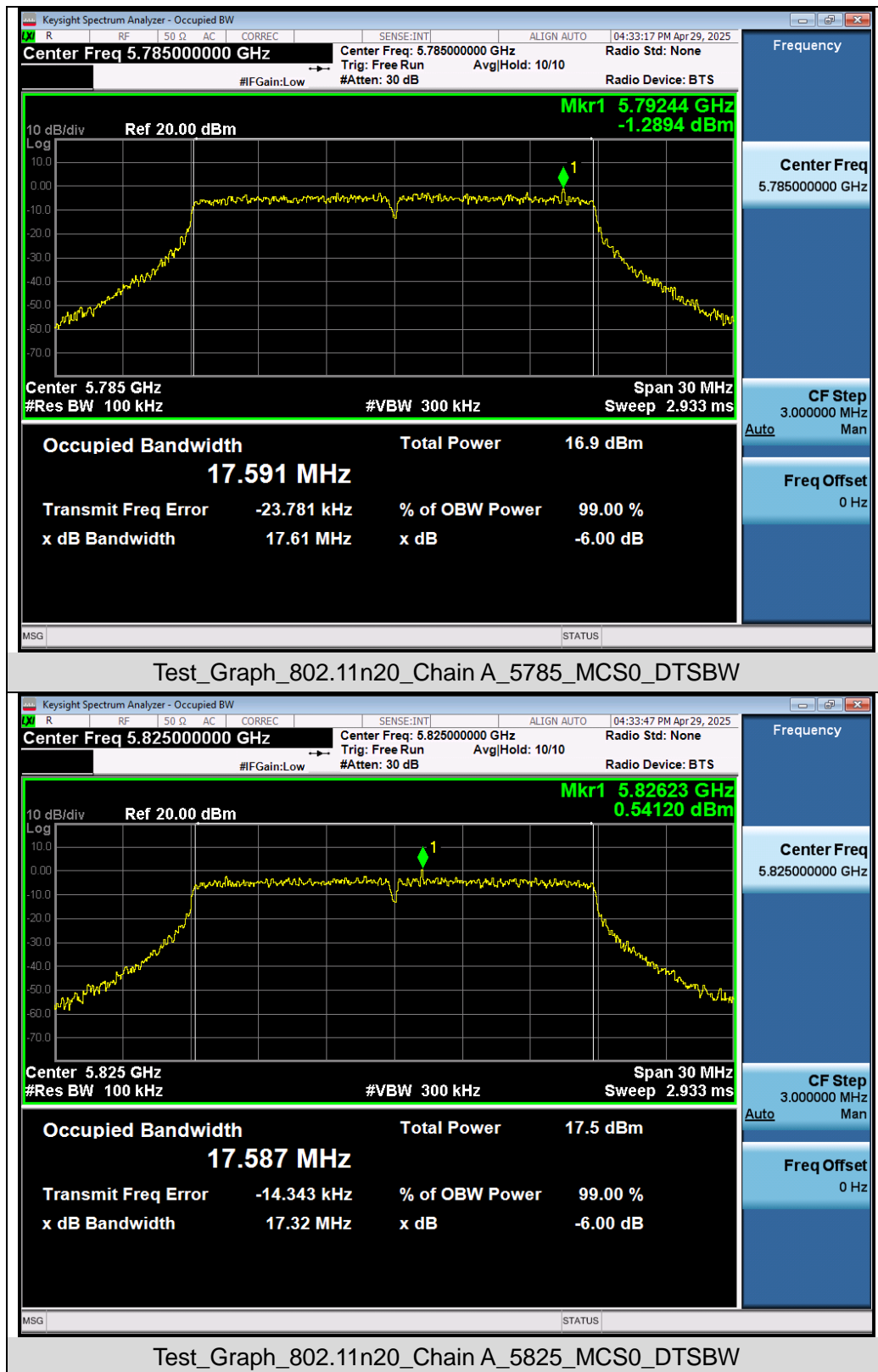


Test_Graph_802.11a_Chain A_5785_6Mbps_DTSBW

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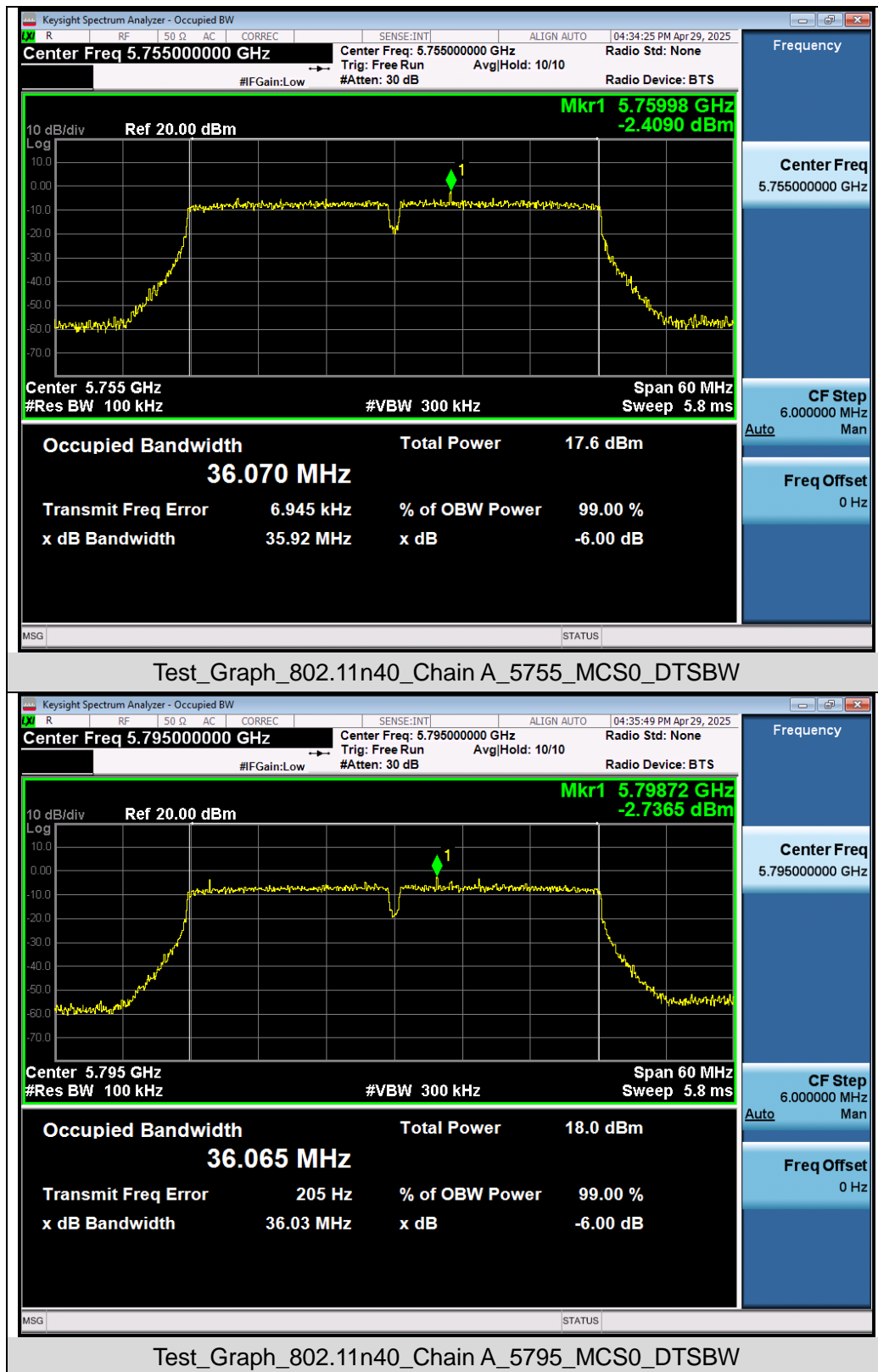


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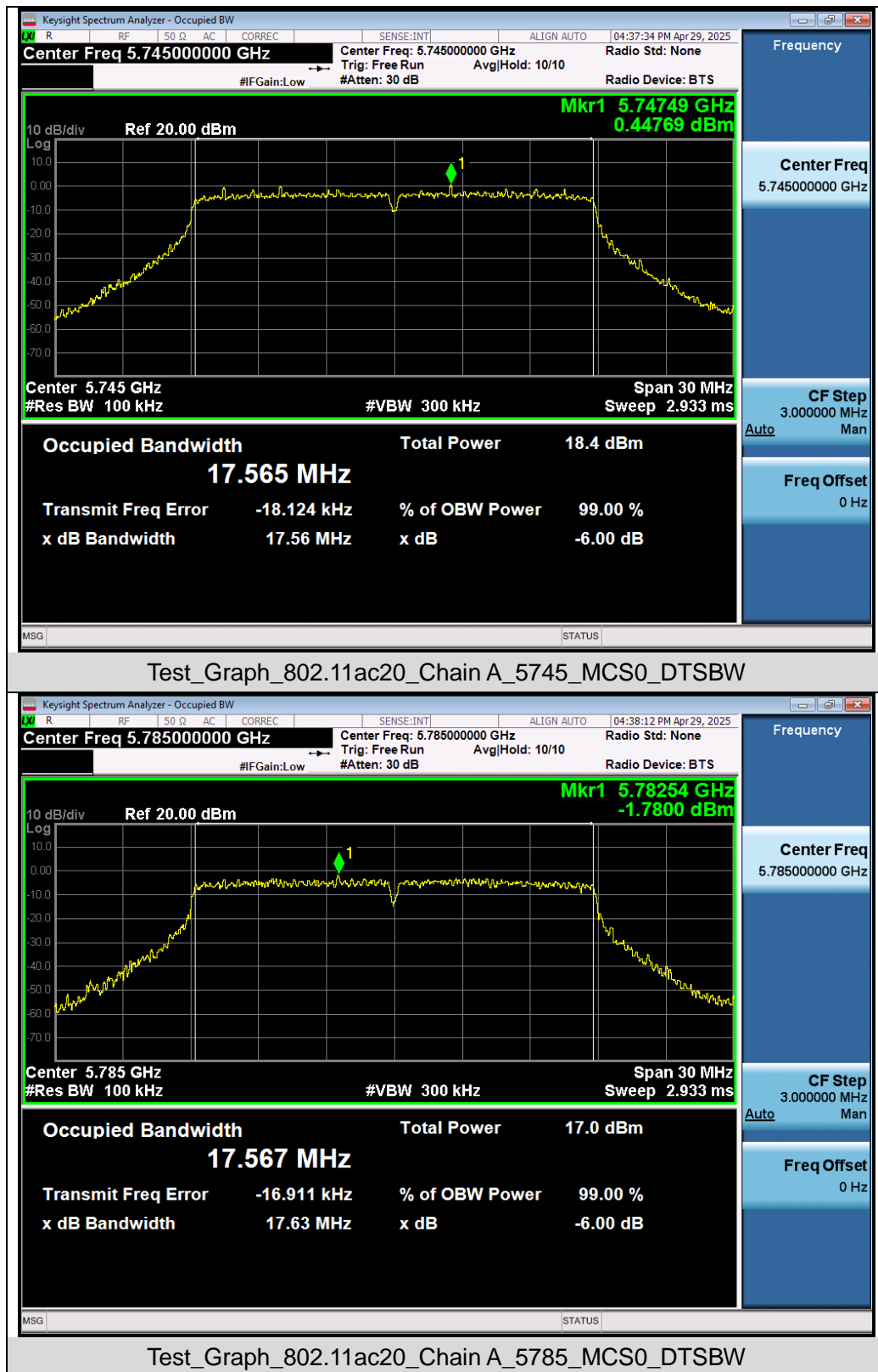


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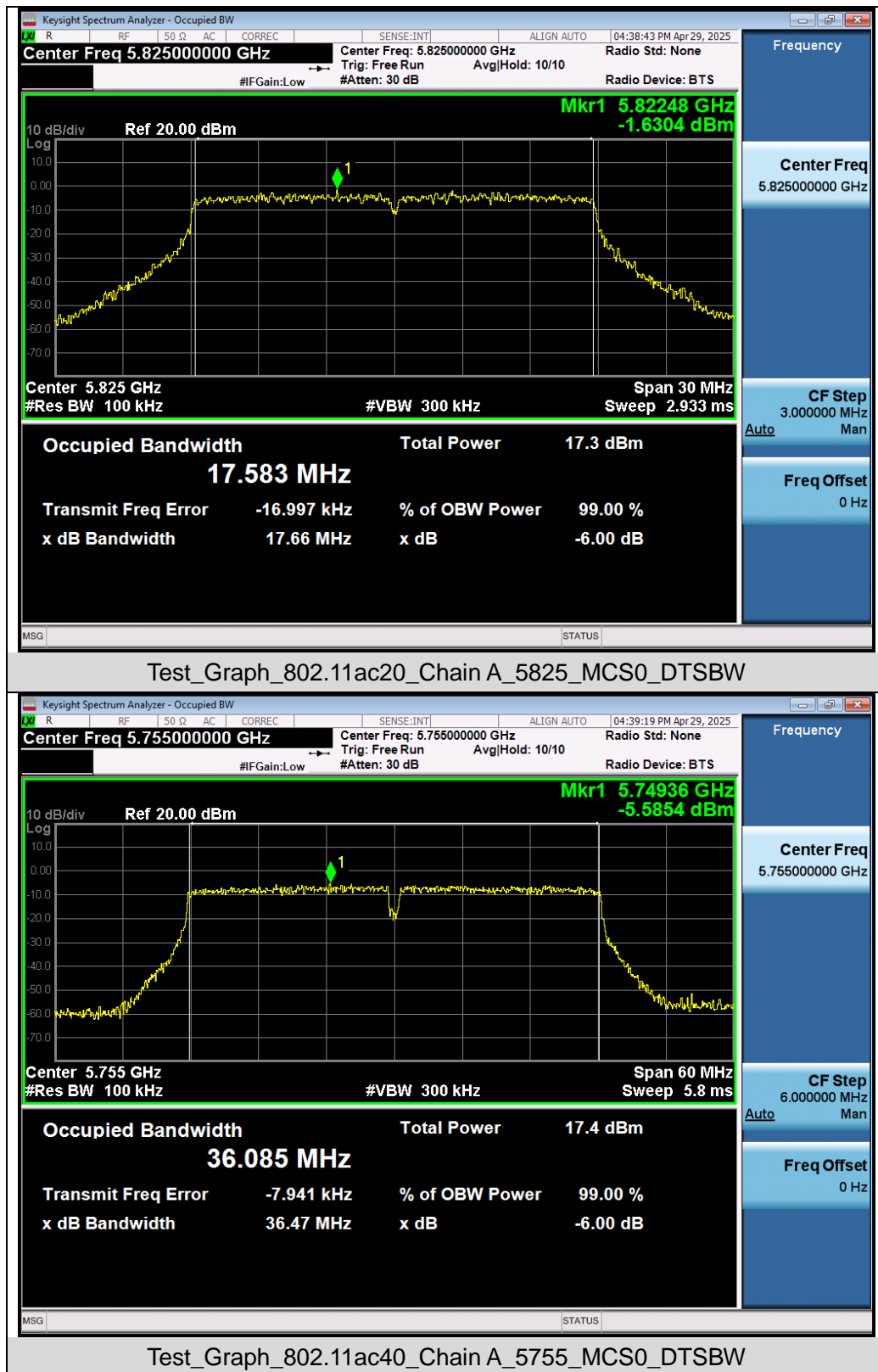


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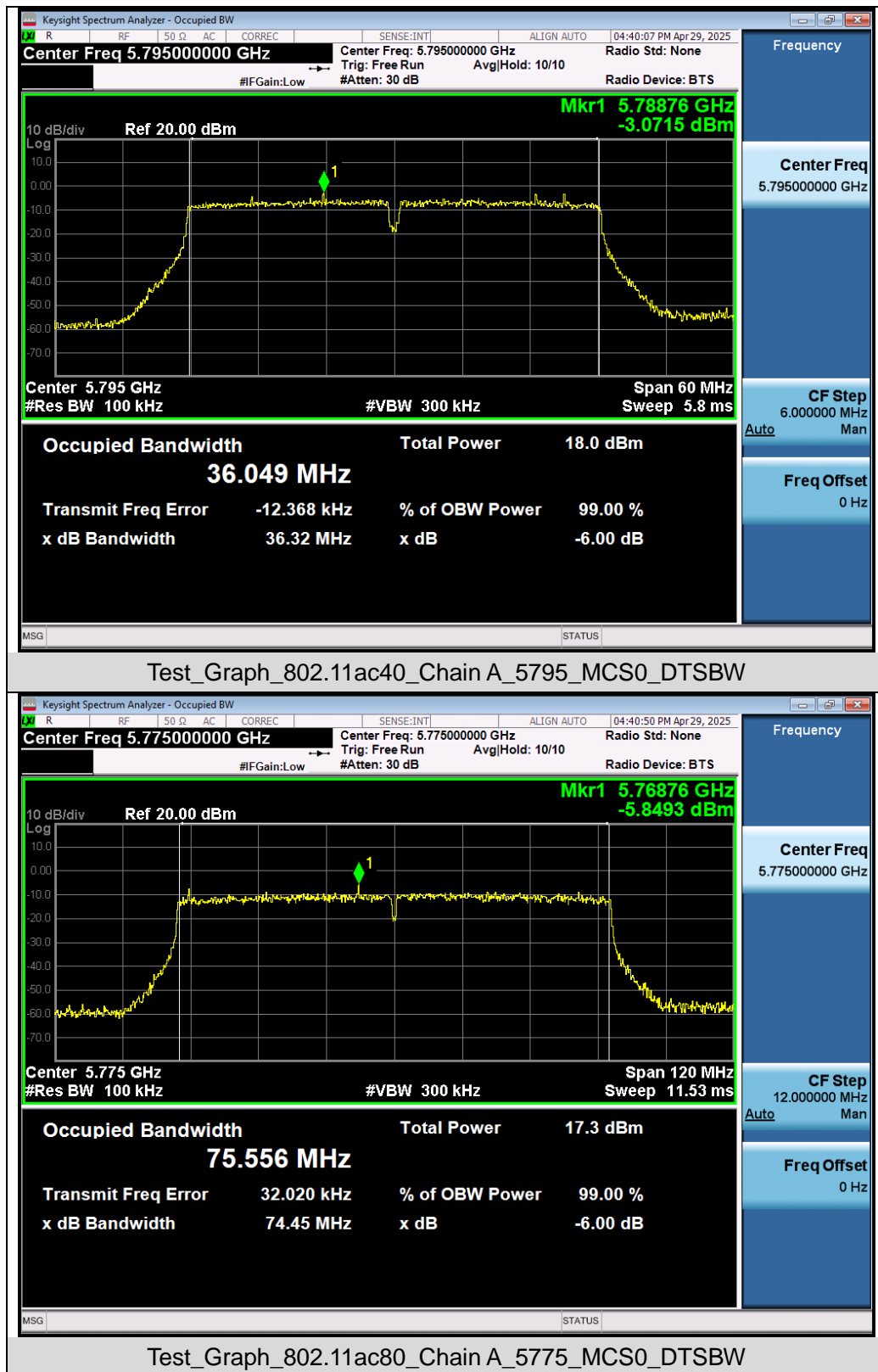


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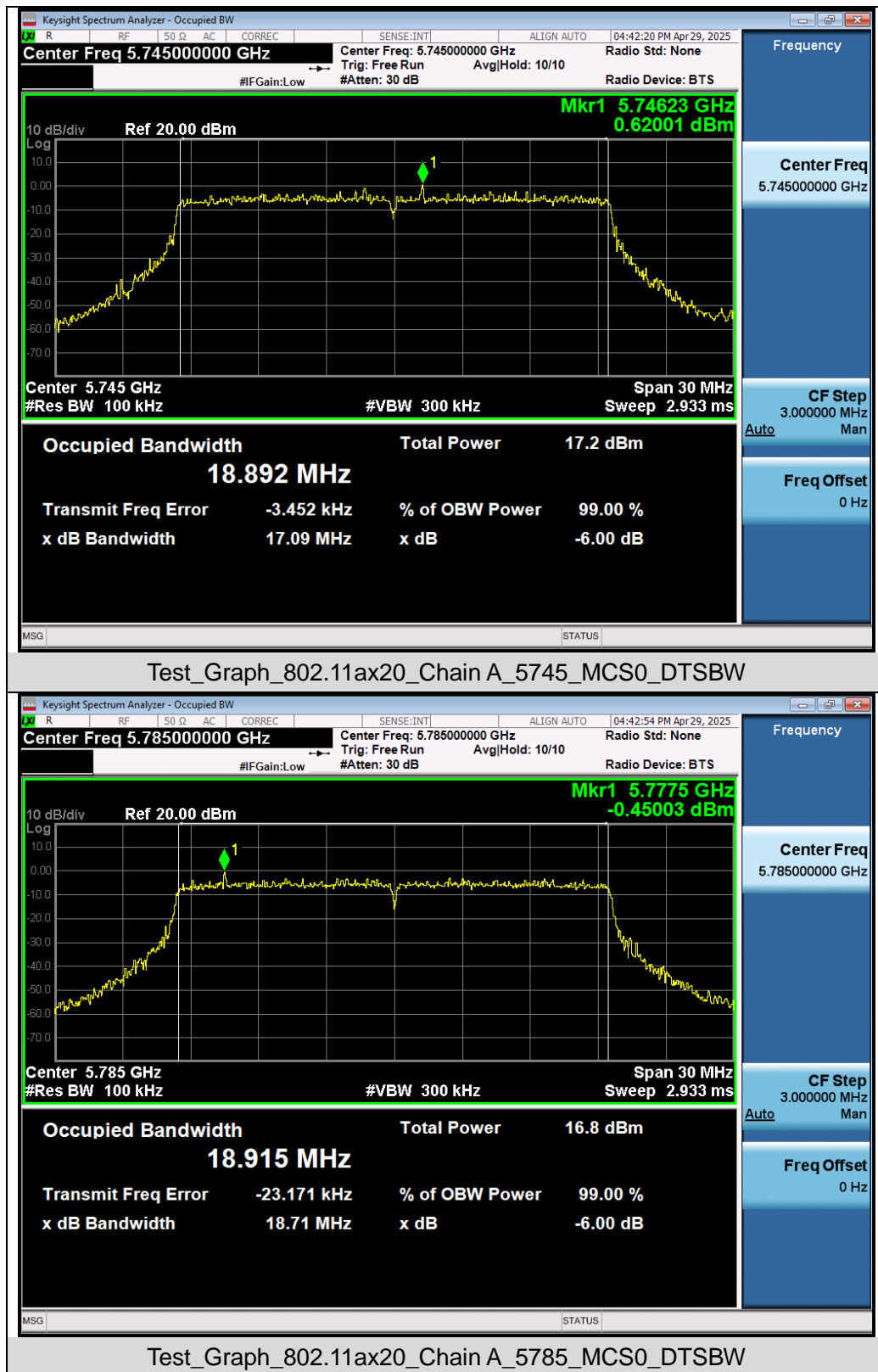
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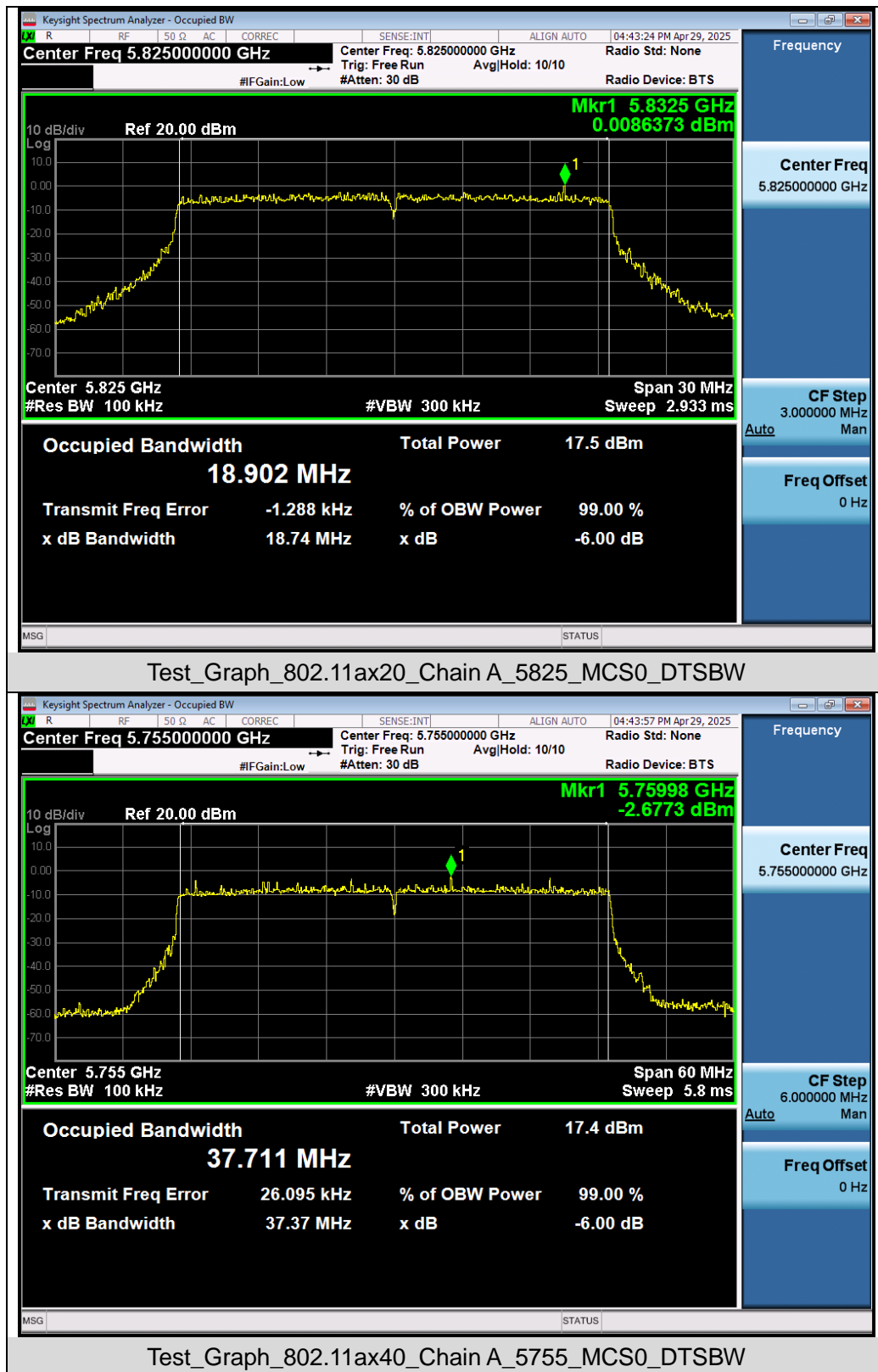
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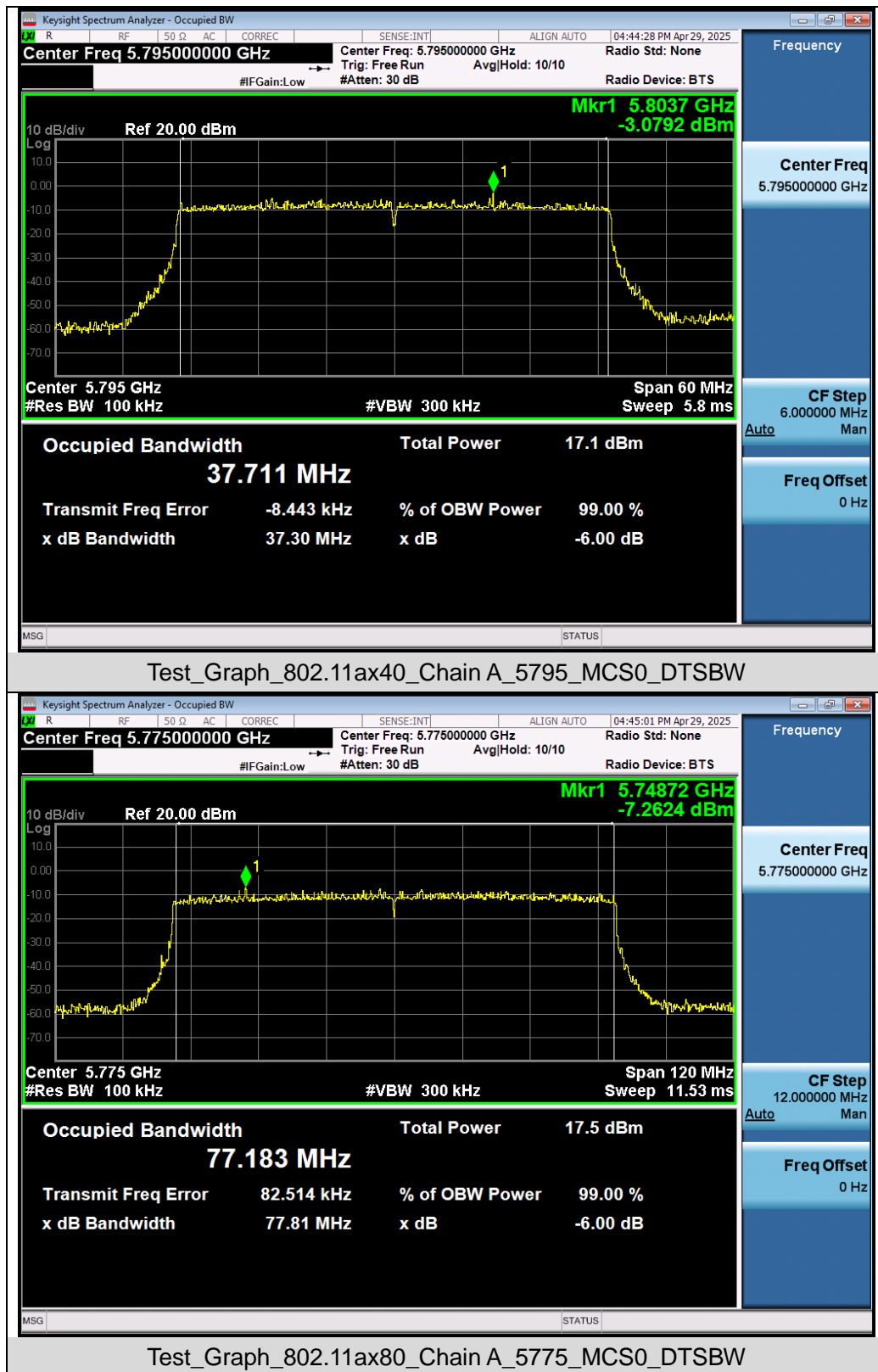


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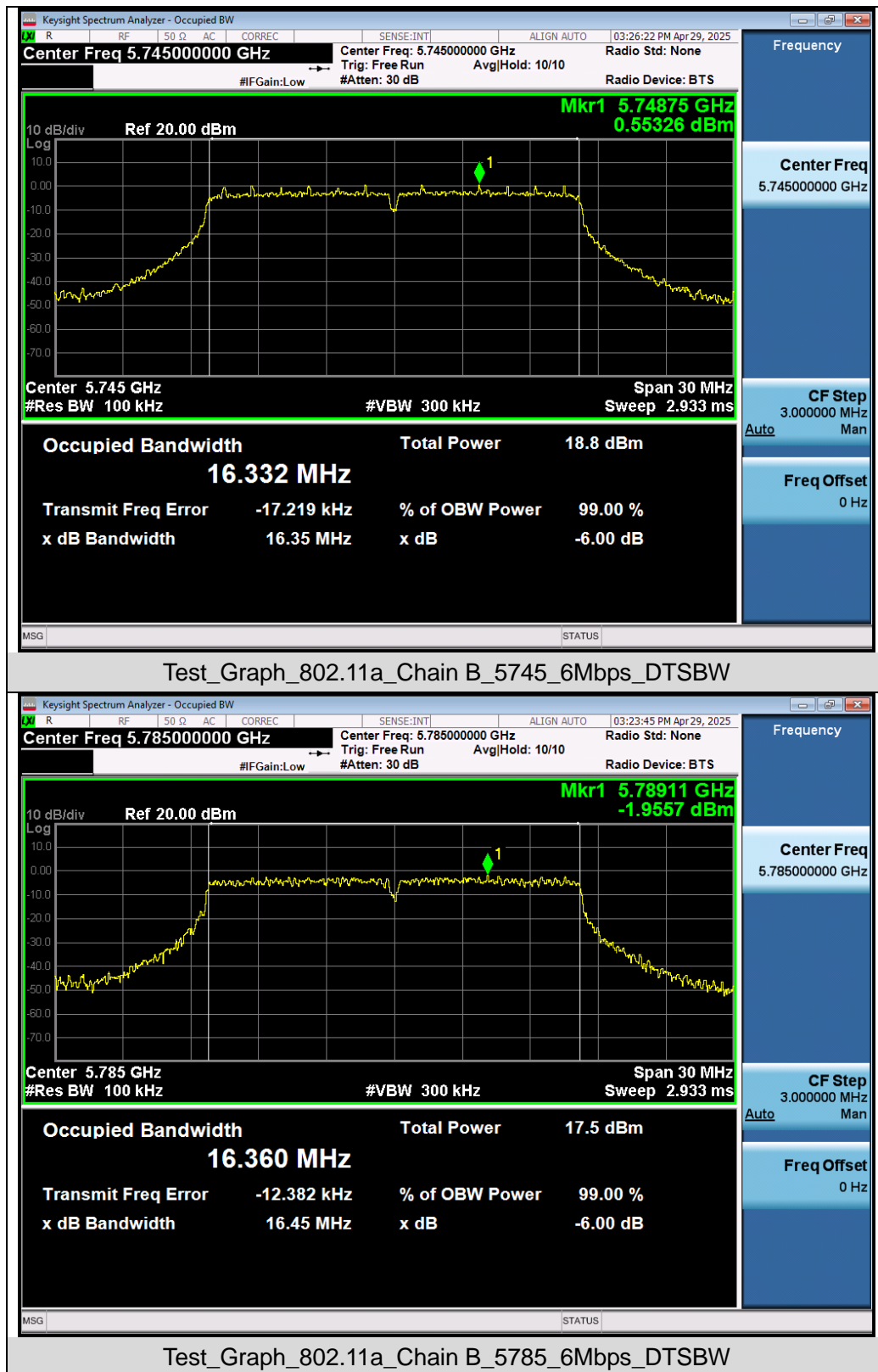


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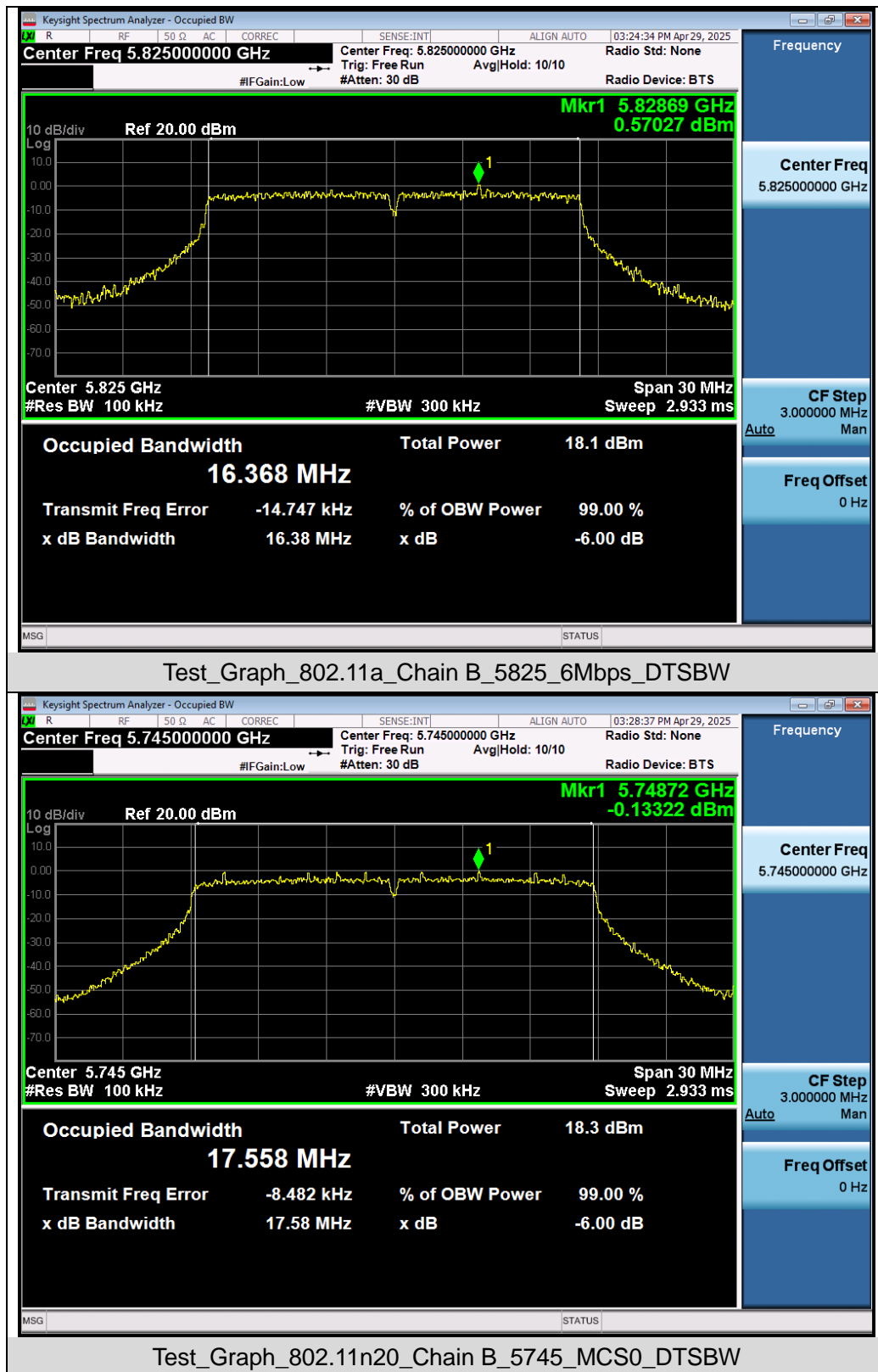
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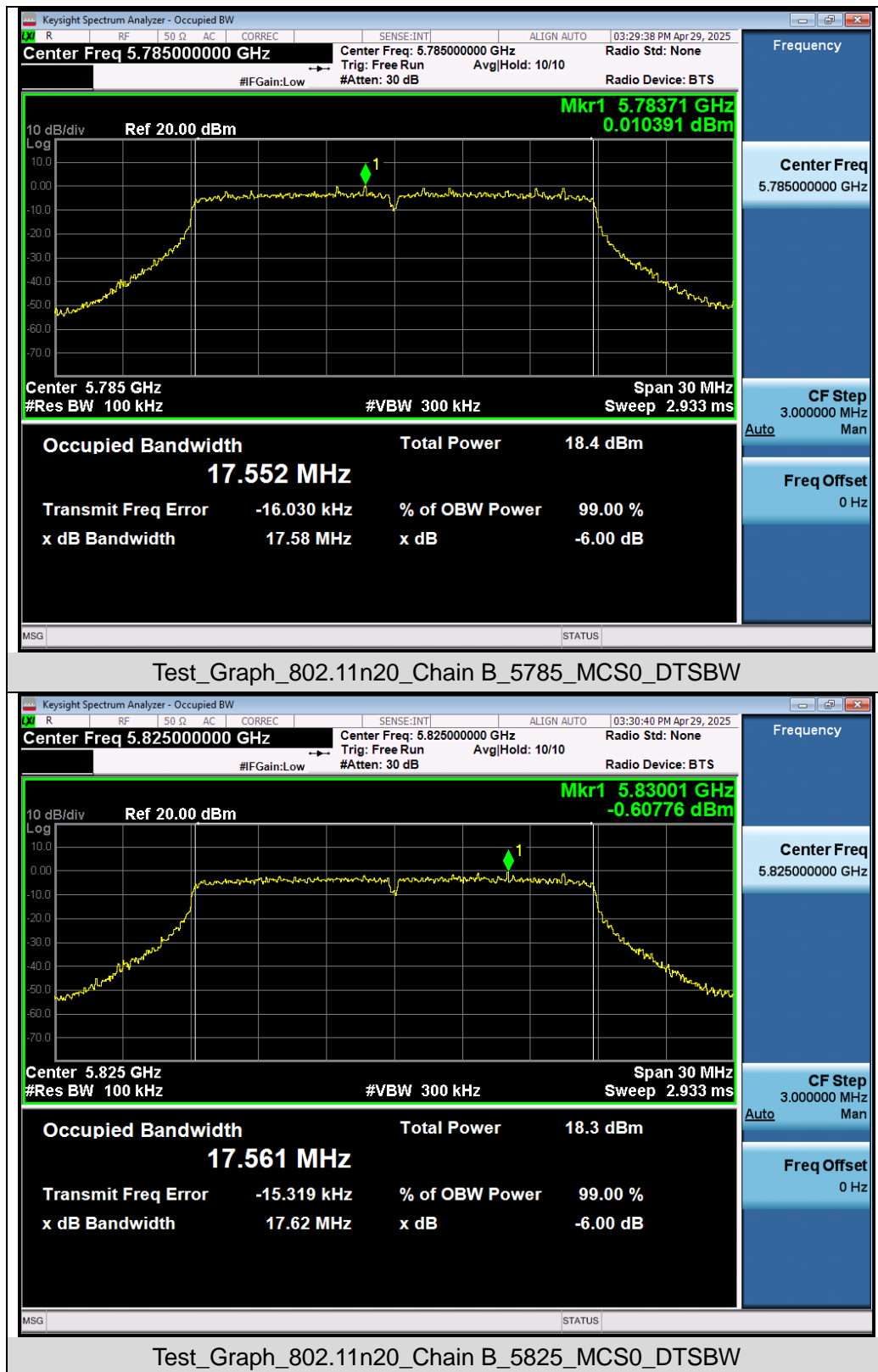
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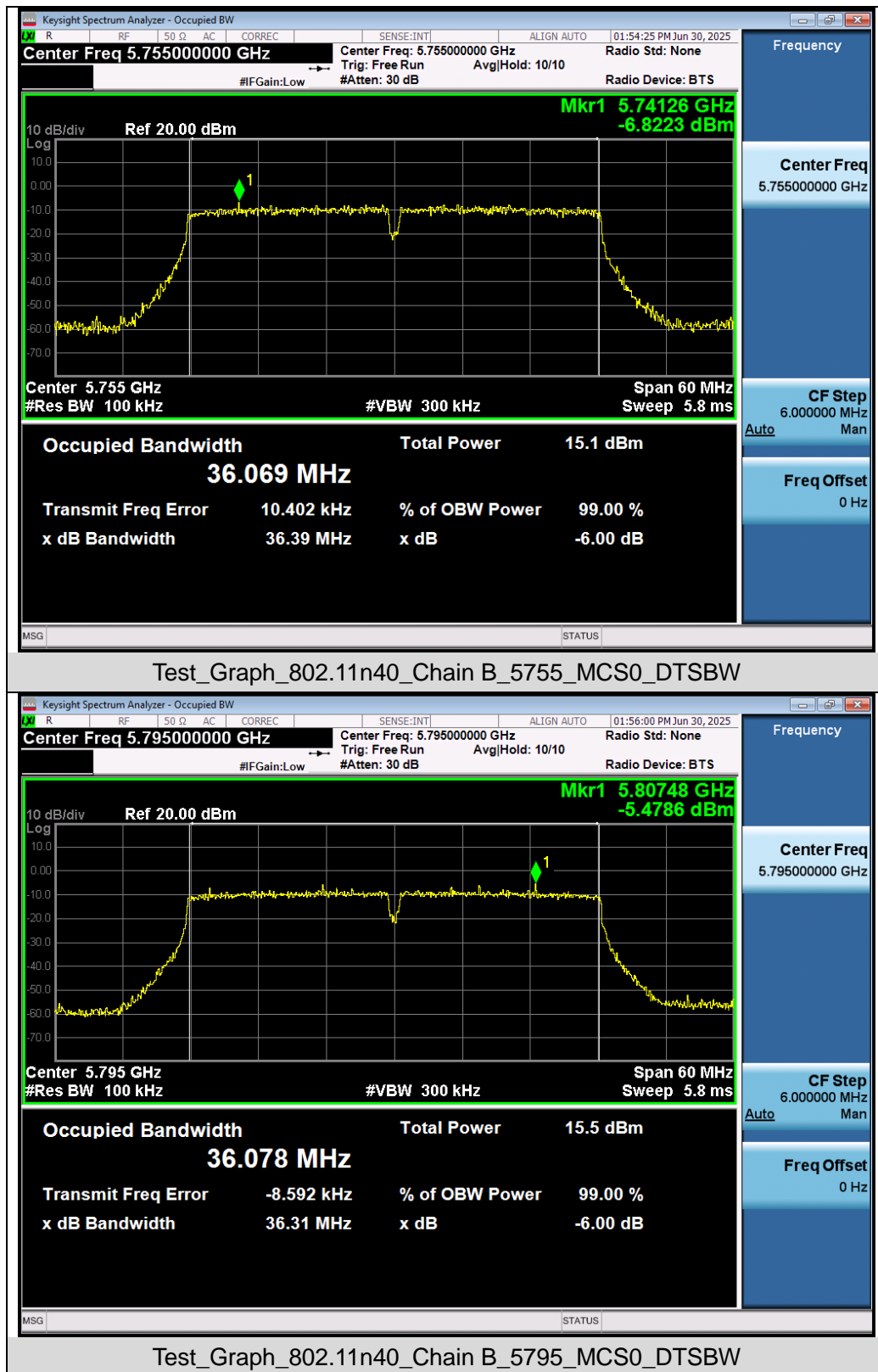
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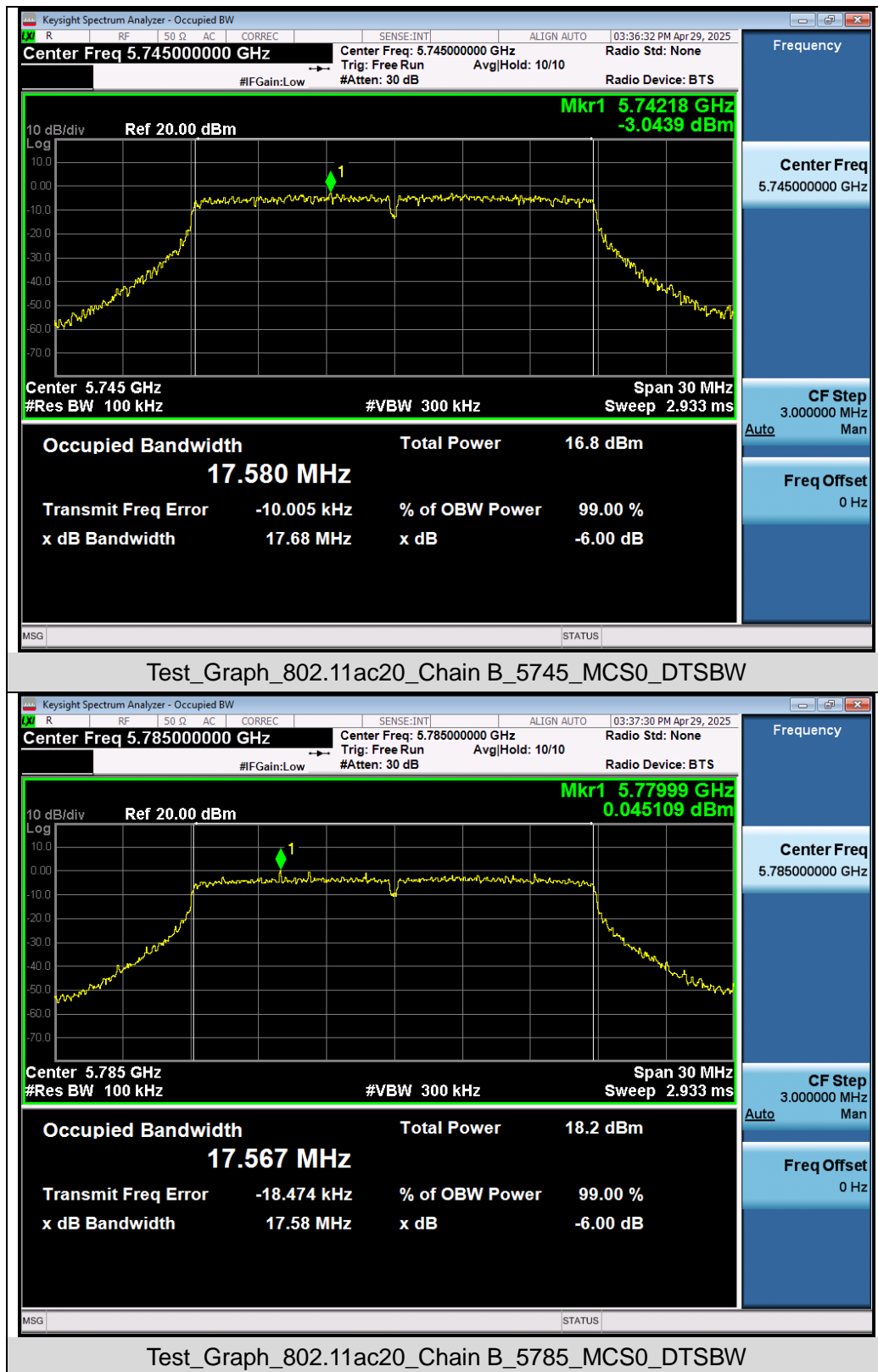


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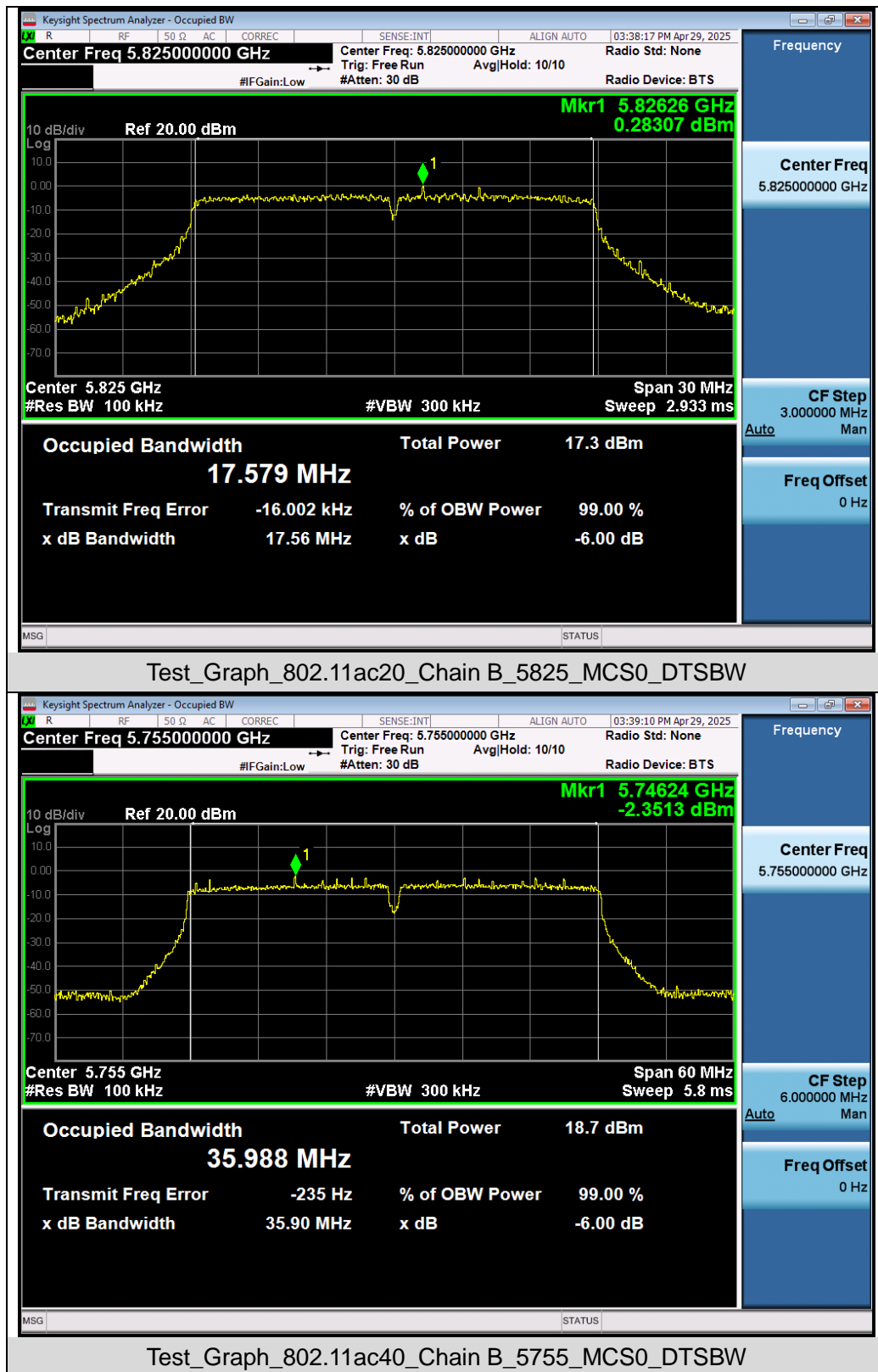


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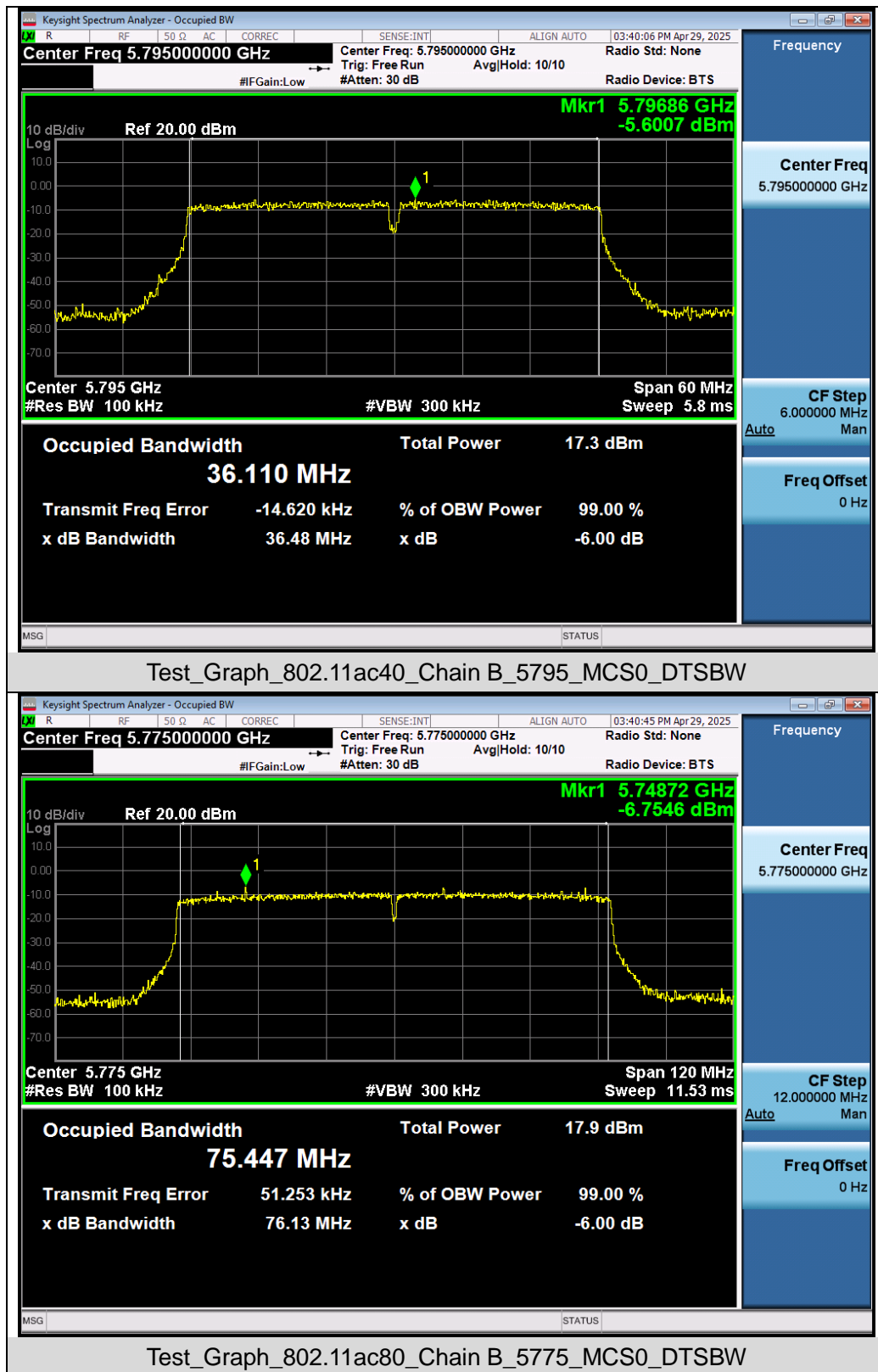


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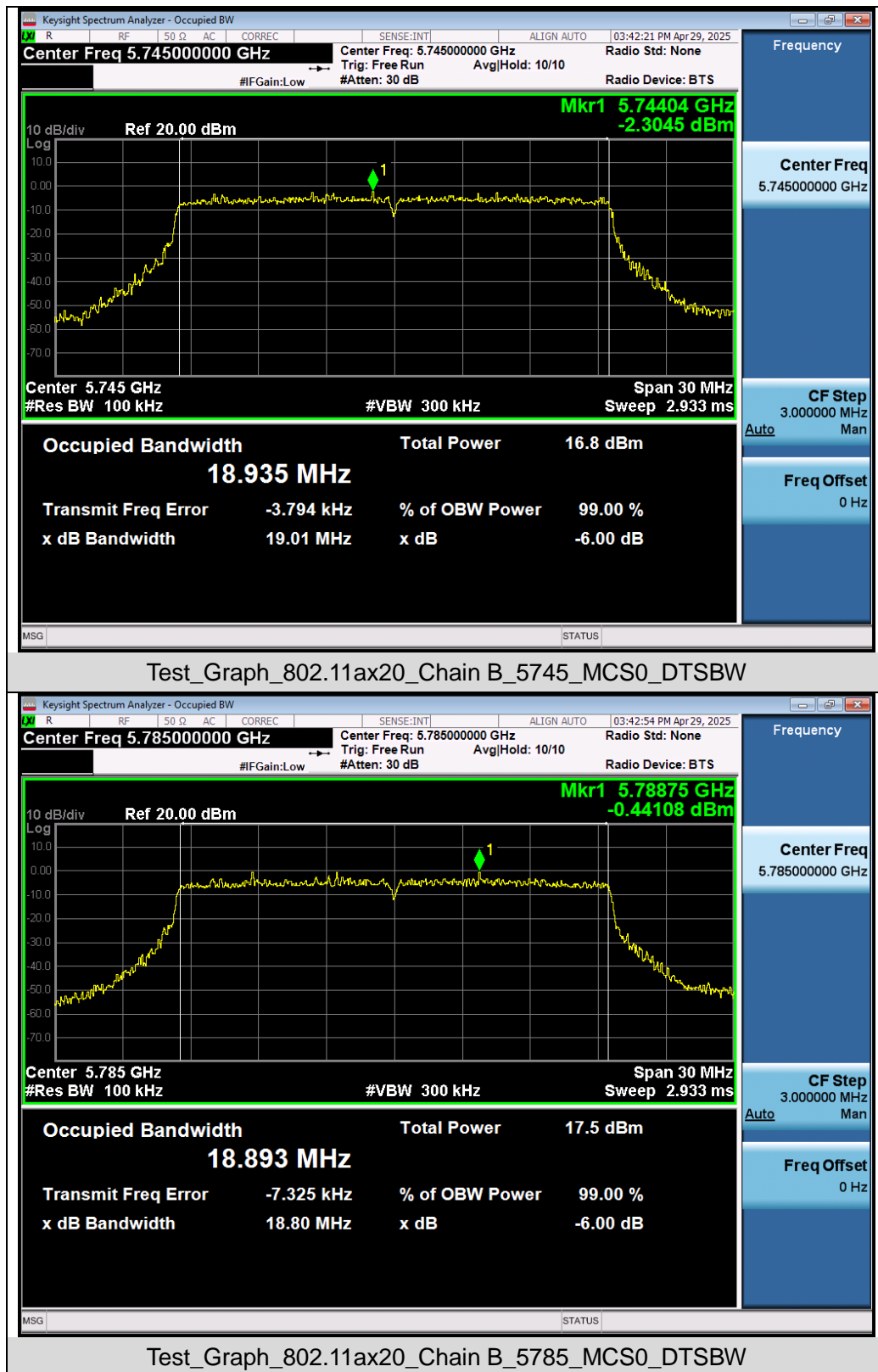


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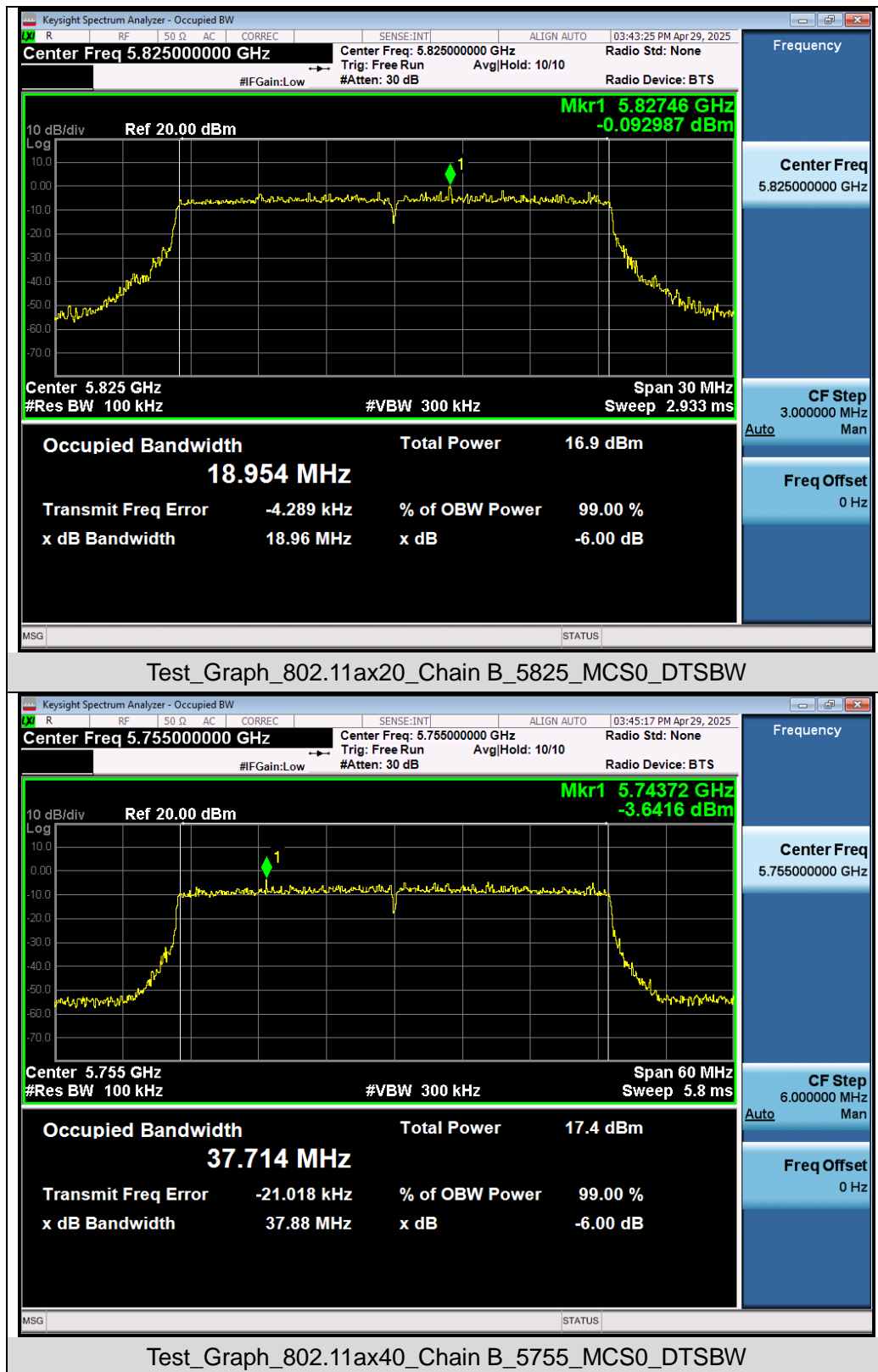
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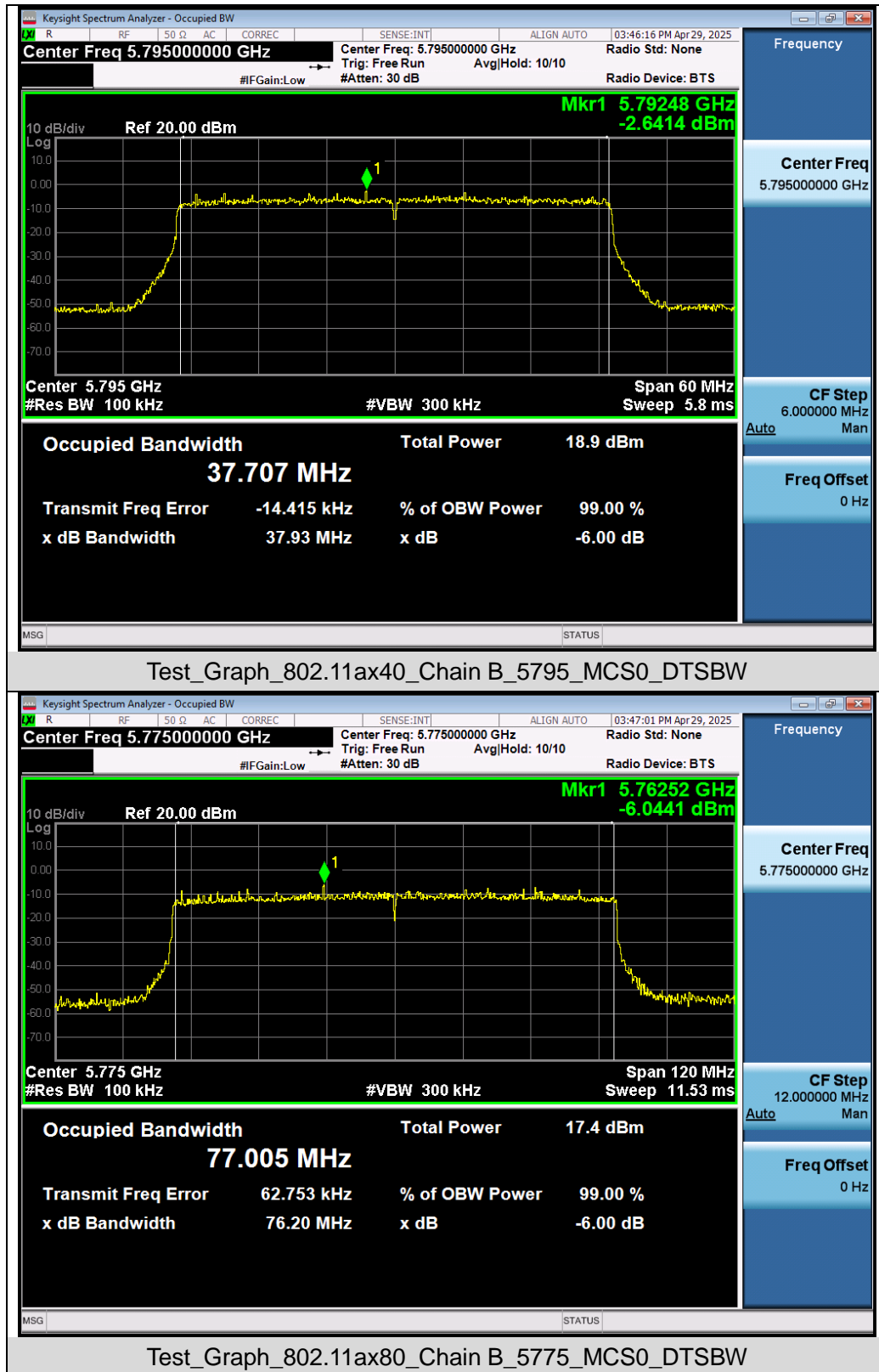
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9. Power Spectral Density Measurement

9.1 Provisions Applicable

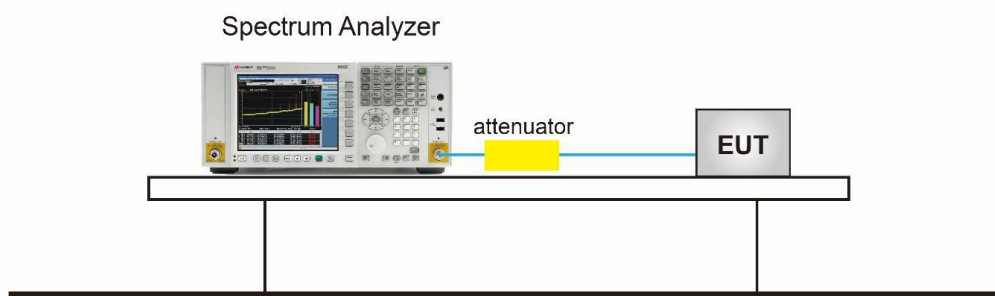
Operation Band	EUT Category		LIMIT
U-NII-1	<input type="checkbox"/>	Outdoor Access Point	17dBm/ MHz
	<input type="checkbox"/>	Fixed point-to-point Access Point	17dBm/ MHz
	<input type="checkbox"/>	Indoor Access Point	17dBm/ MHz
	<input checked="" type="checkbox"/>	Client devices	11dBm/ MHz
U-NII-2A	/		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-Chain A				
Test Mode	Test Channel (MHz)	Average Power Density (dBm/MHz)	Limits (dBm/MHz)	Pass or Fail
802.11a	5180	1.132	11	Pass
	5200	0.933	11	Pass
	5240	0.613	11	Pass
802.11n20	5180	0.791	11	Pass
	5200	0.691	11	Pass
	5240	0.270	11	Pass
802.11n40	5190	-3.100	11	Pass
	5230	-3.442	11	Pass
802.11ac20	5180	-0.371	11	Pass
	5200	-0.522	11	Pass
	5240	-0.761	11	Pass
802.11ac40	5190	-3.156	11	Pass
	5230	-3.491	11	Pass
802.11ac80	5210	-6.576	11	Pass
802.11ax20	5180	-0.542	11	Pass
	5200	-0.565	11	Pass
	5240	-0.962	11	Pass
802.11ax40	5190	-3.367	11	Pass
	5230	-3.749	11	Pass
802.11ax80	5210	-6.515	11	Pass

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Test Data of Conducted Output Power Density for band 5.15-5.25 GHz-Chain B				
Test Mode	Test Channel (MHz)	Average Power Density (dBm/MHz)	Limits (dBm/MHz)	Pass or Fail
802.11a	5180	1.253	11	Pass
	5200	0.711	11	Pass
	5240	0.577	11	Pass
802.11n20	5180	-0.347	11	Pass
	5200	-0.549	11	Pass
	5240	-0.808	11	Pass
802.11n40	5190	-3.113	11	Pass
	5230	-3.550	11	Pass
802.11ac20	5180	-0.266	11	Pass
	5200	-0.523	11	Pass
	5240	-0.764	11	Pass
802.11ac40	5190	-3.087	11	Pass
	5230	-3.597	11	Pass
802.11ac80	5210	-6.493	11	Pass
802.11ax20	5180	-0.418	11	Pass
	5200	-0.672	11	Pass
	5240	-0.949	11	Pass
802.11ax40	5190	-3.113	11	Pass
	5230	-3.686	11	Pass
802.11ax80	5210	-6.263	11	Pass

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