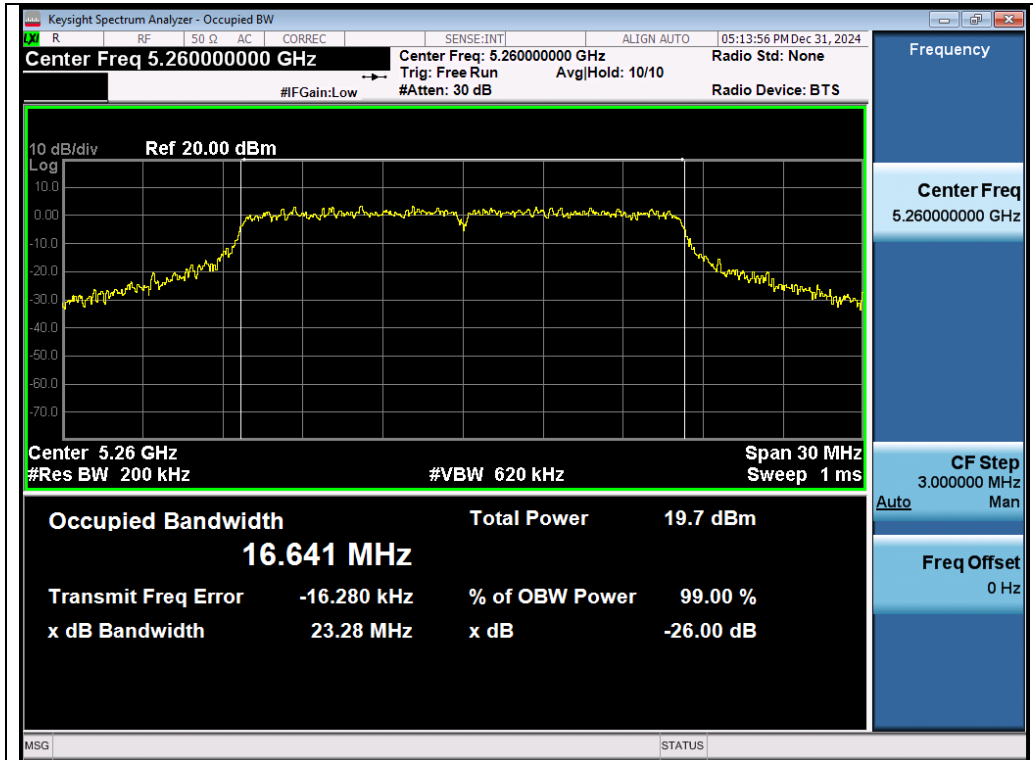
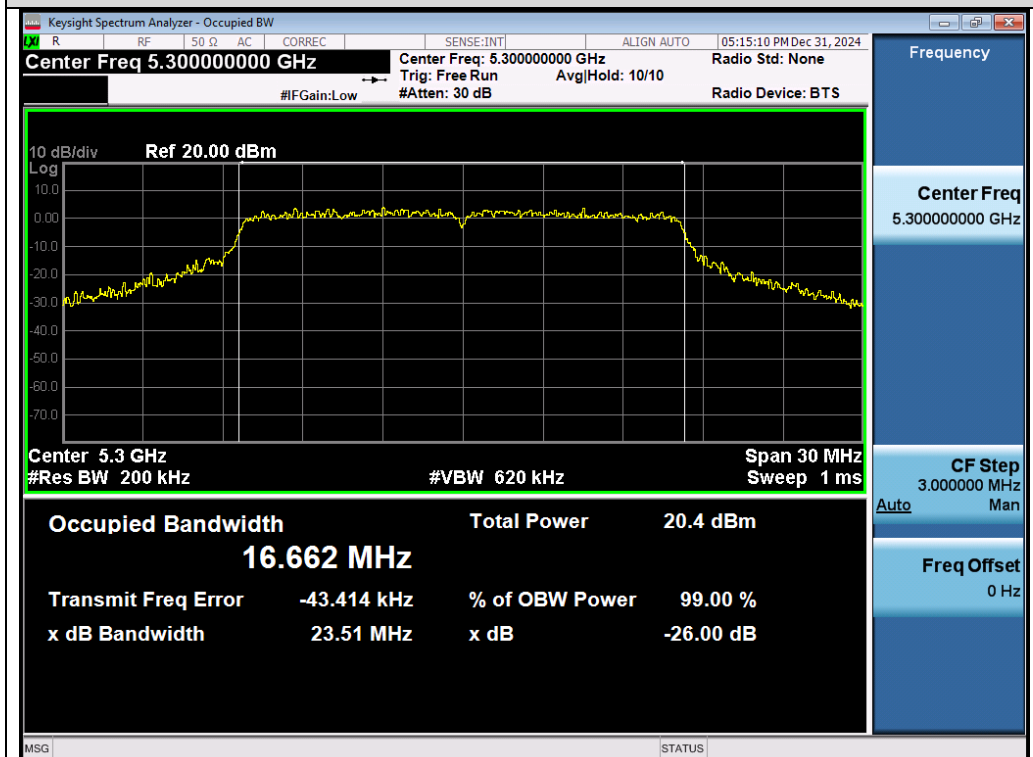


Test Graphs of Occupied Bandwidth for band 5.25-5.35 GHz

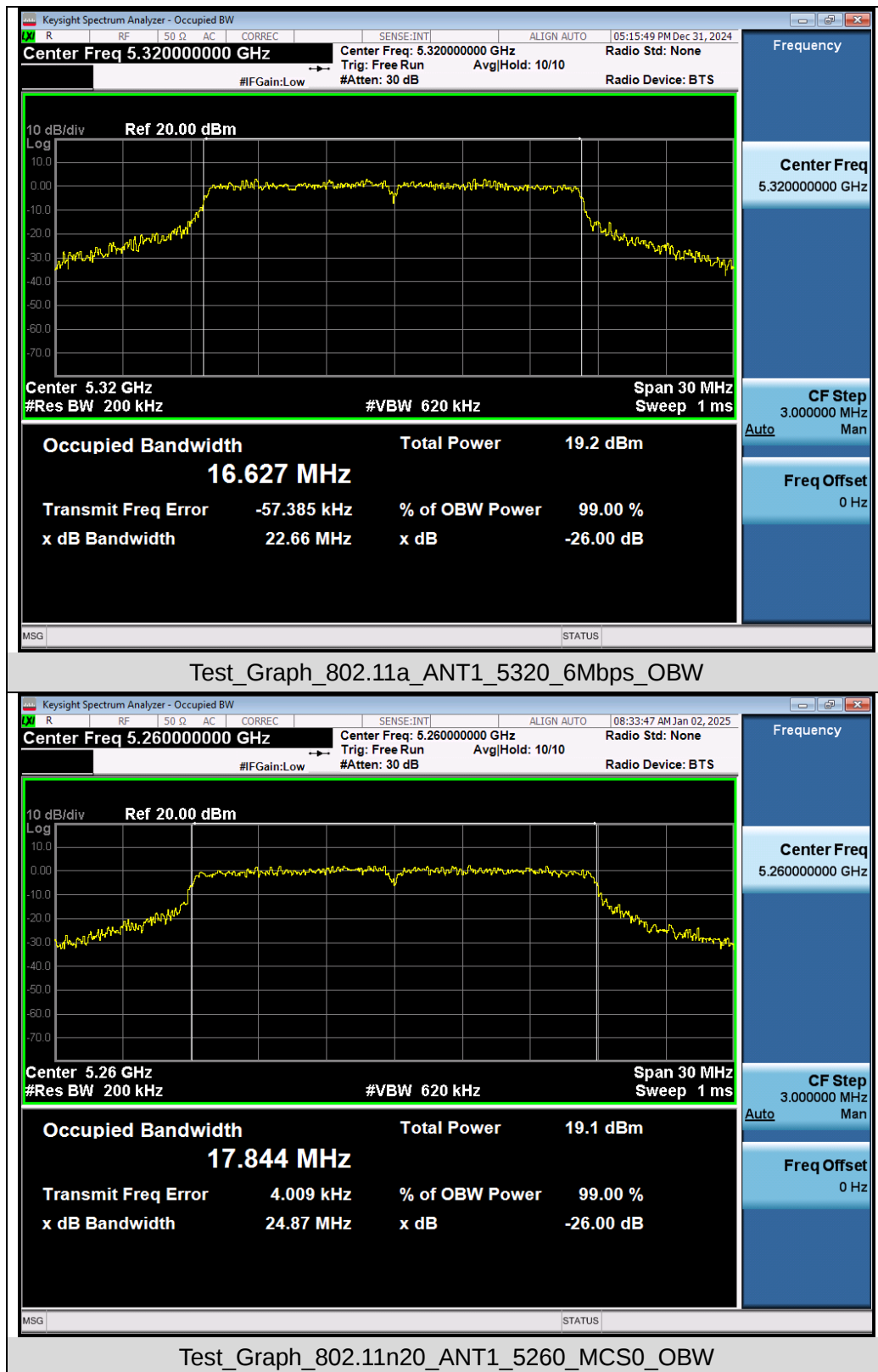


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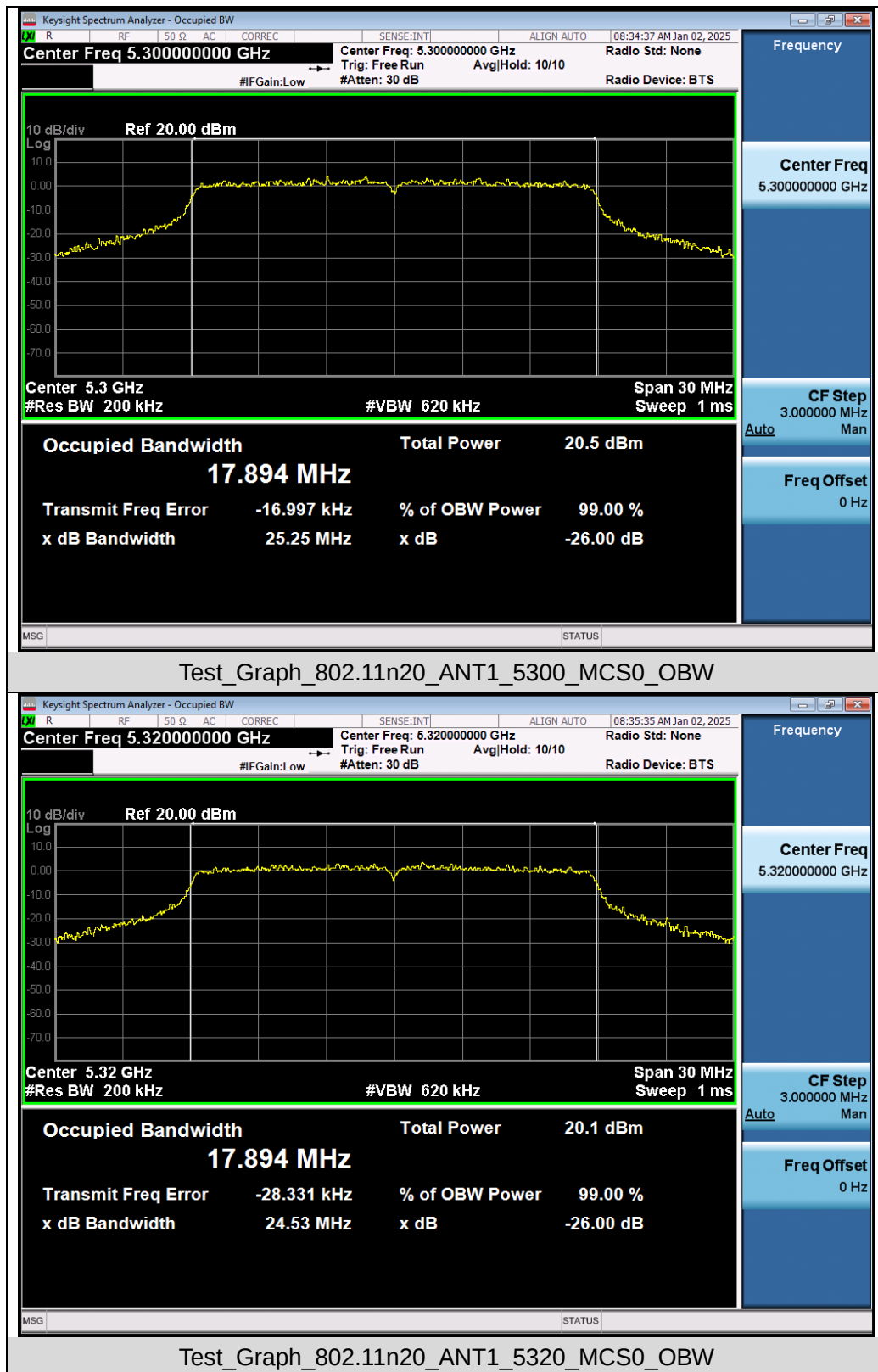


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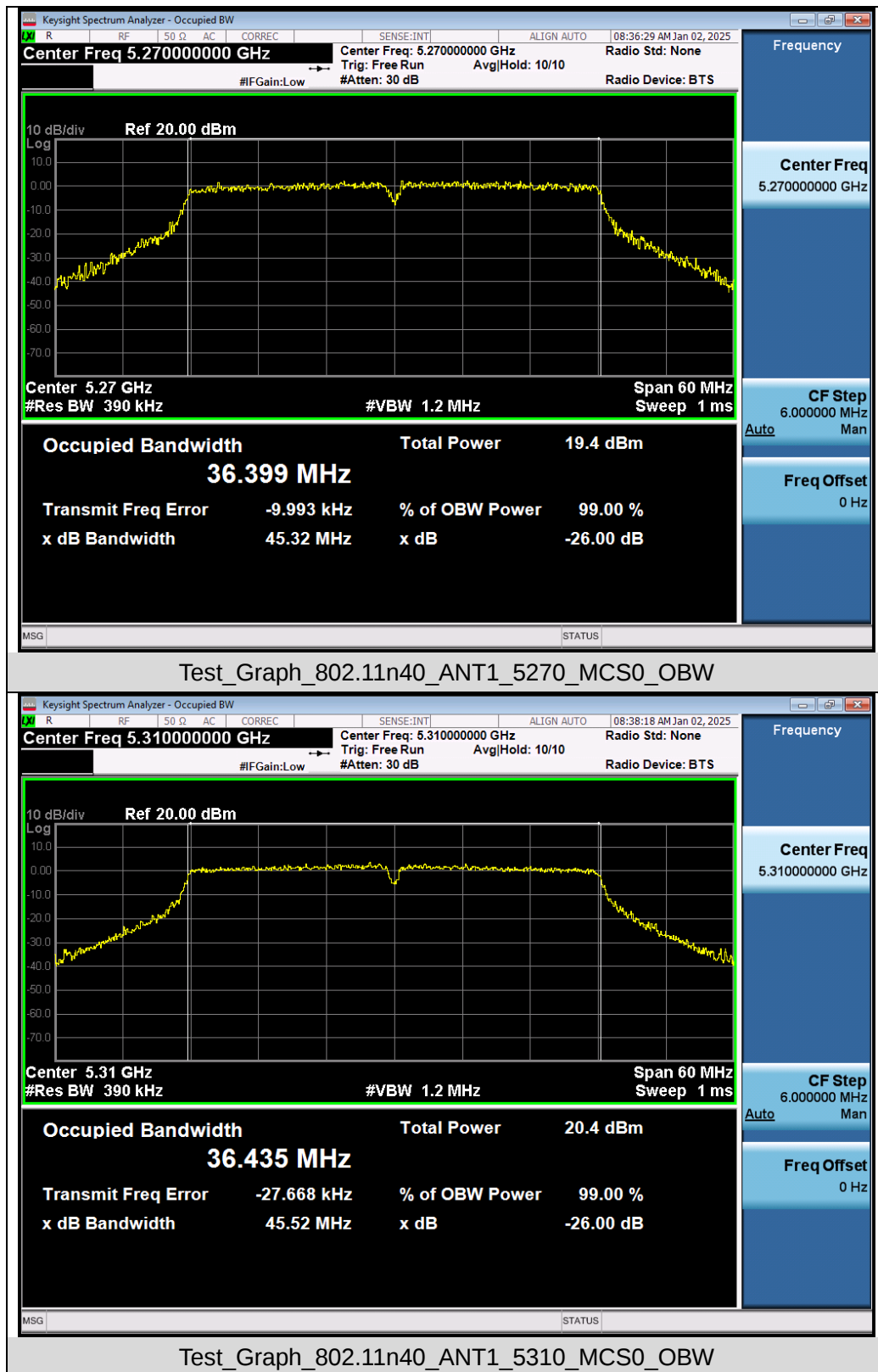
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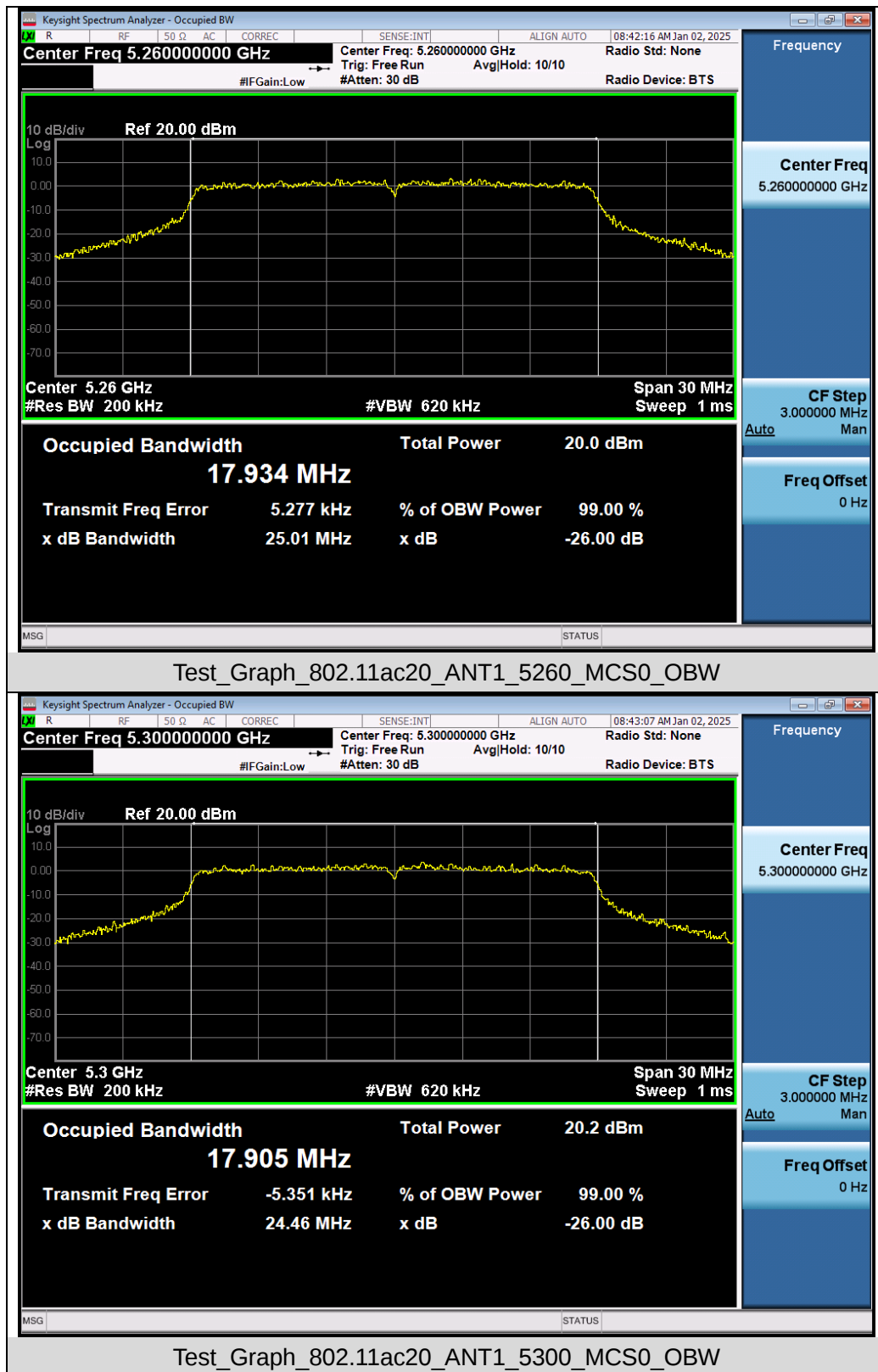


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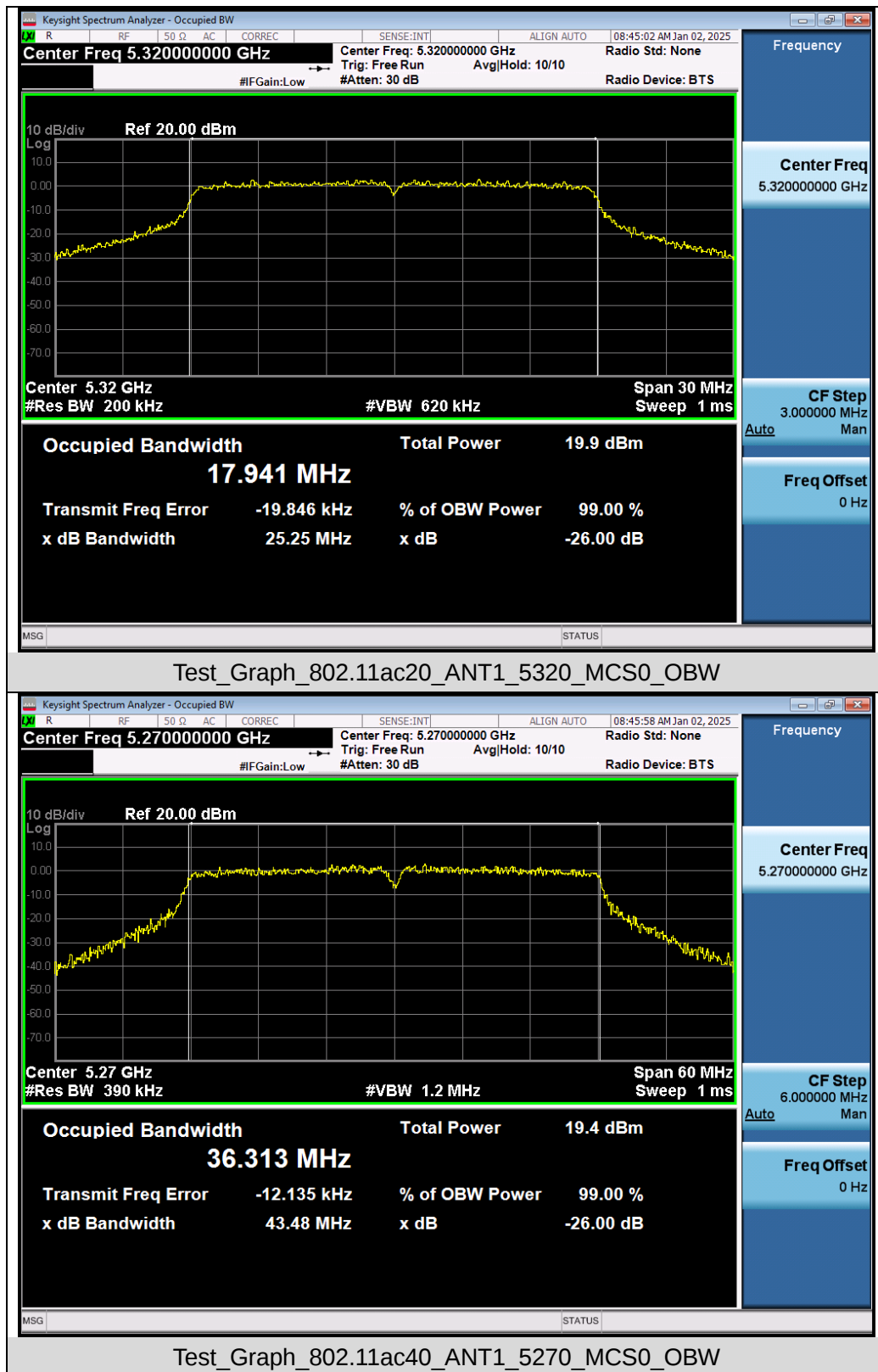


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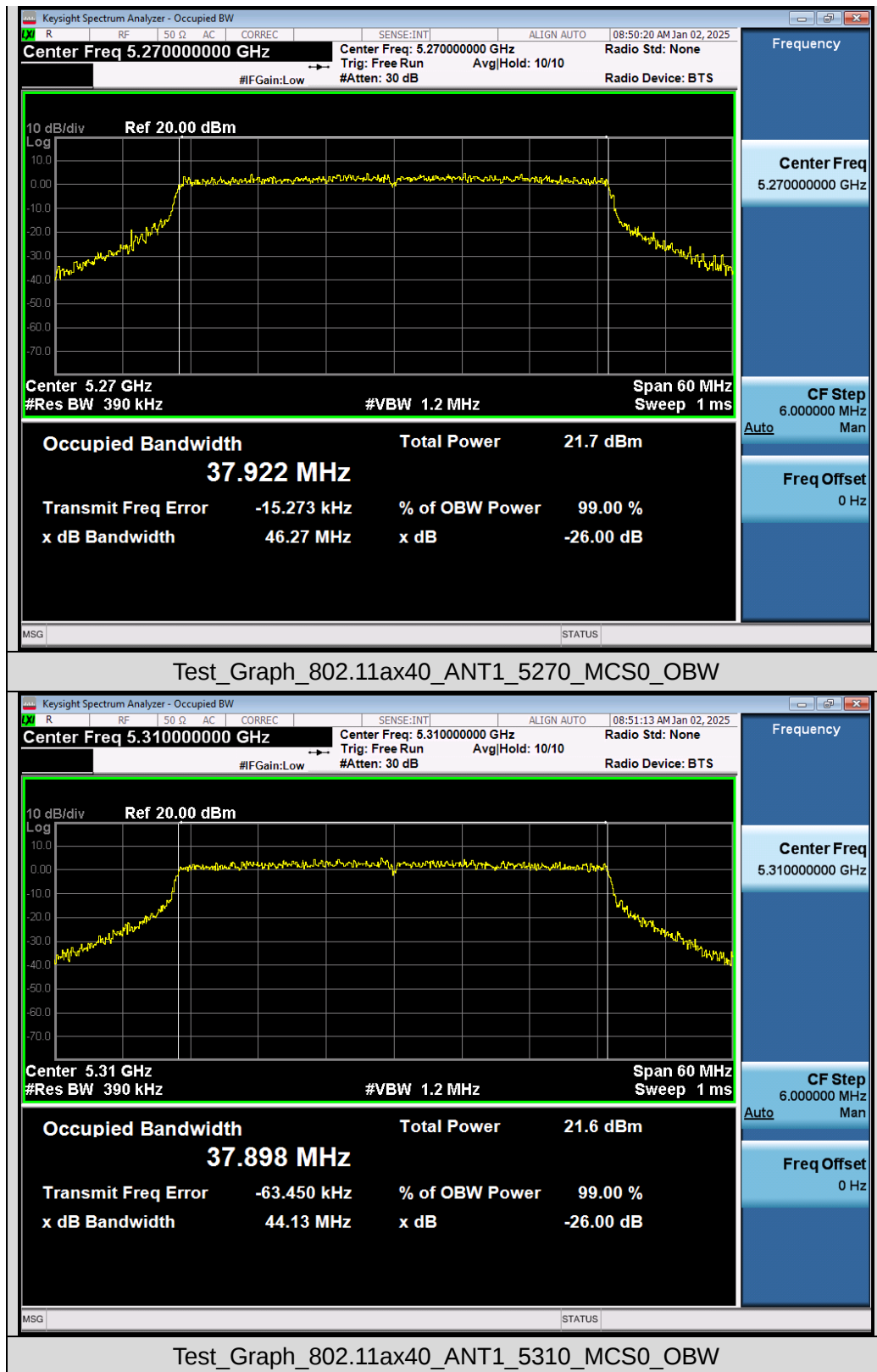


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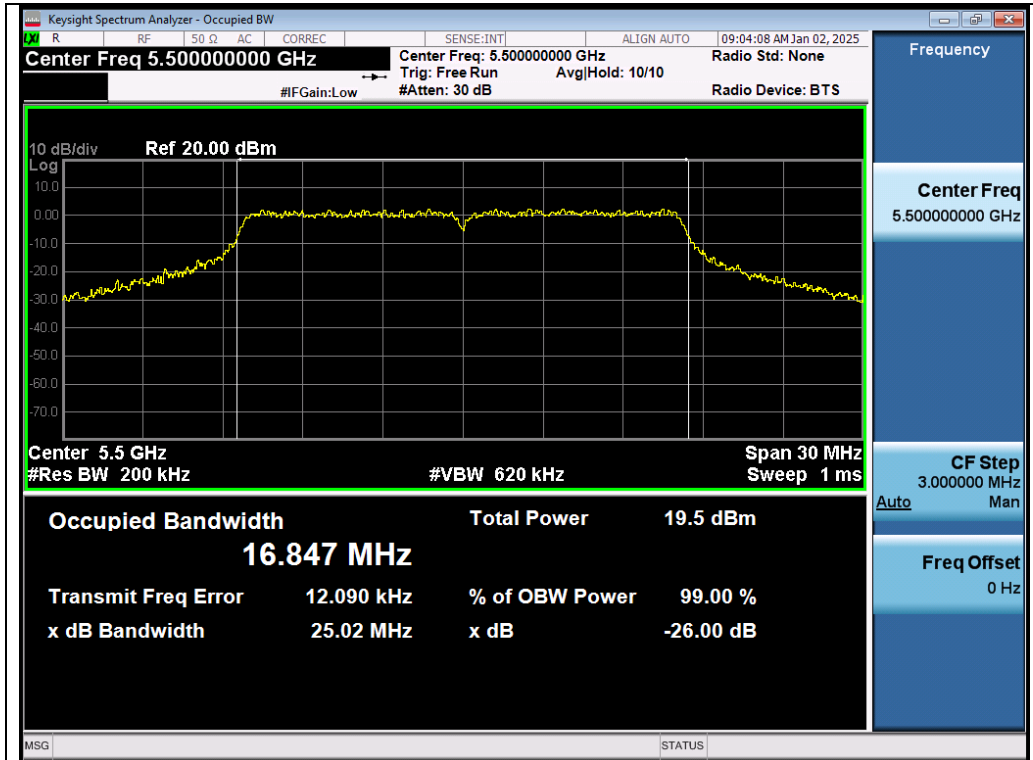
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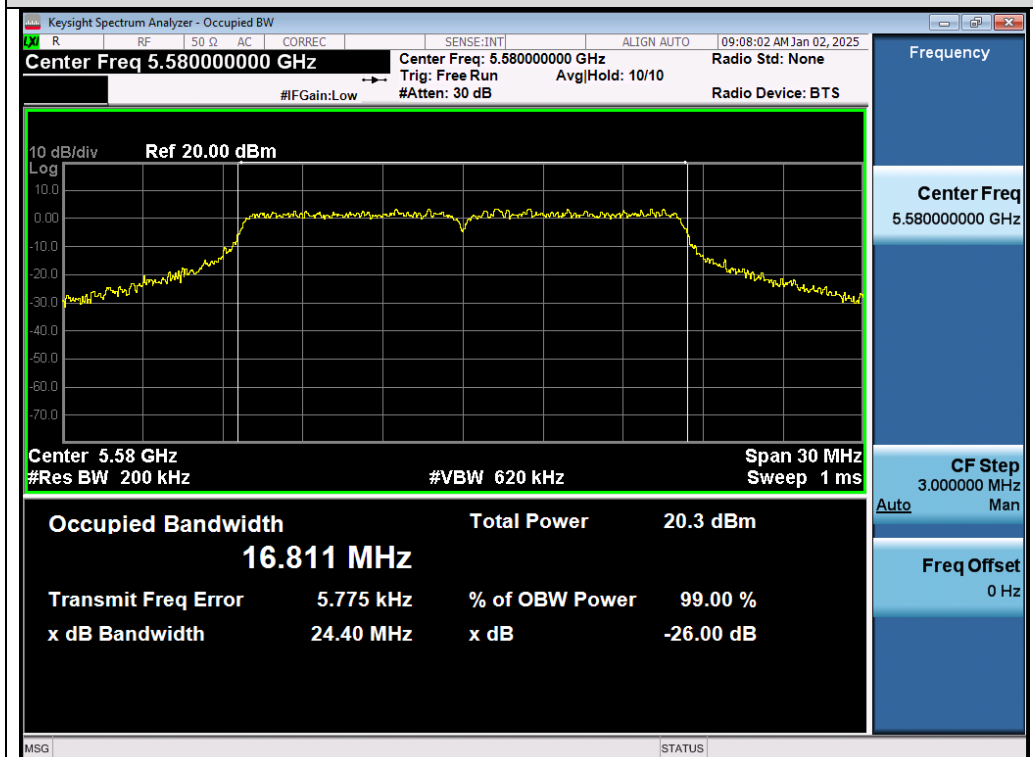
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Test Graphs of Occupied Bandwidth and -26dB Bandwidth for band 5.470-5.725 GHz

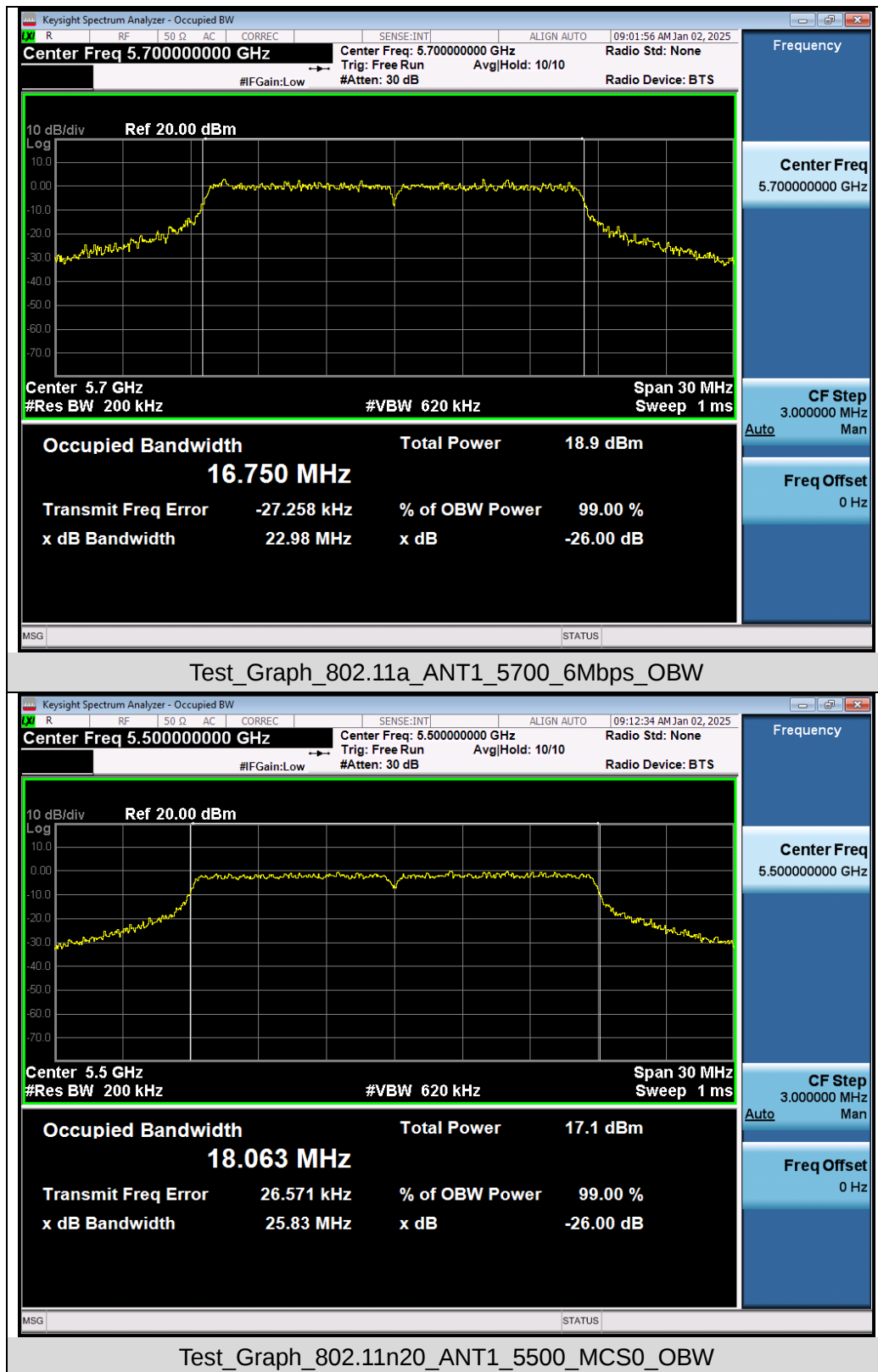


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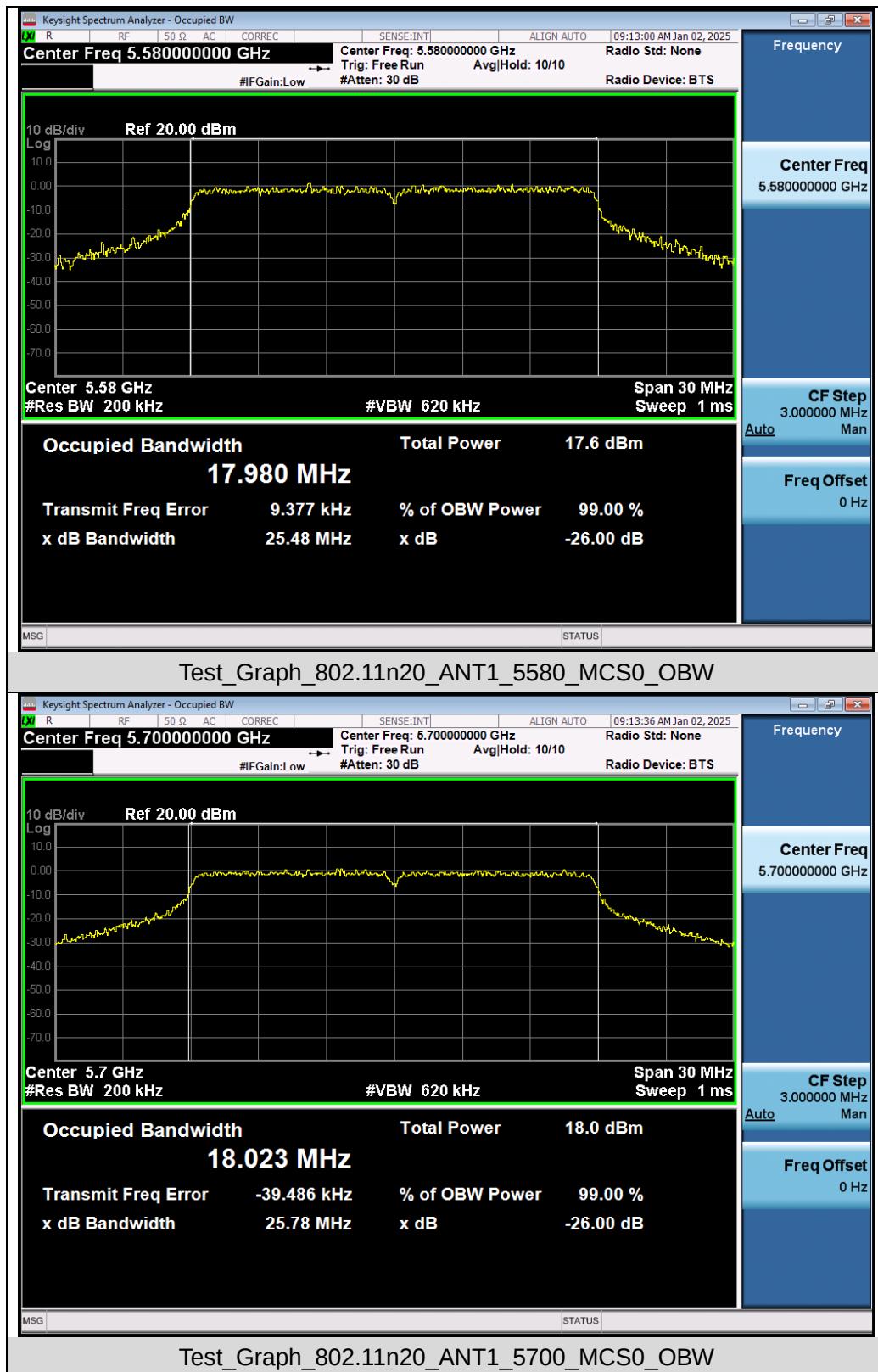


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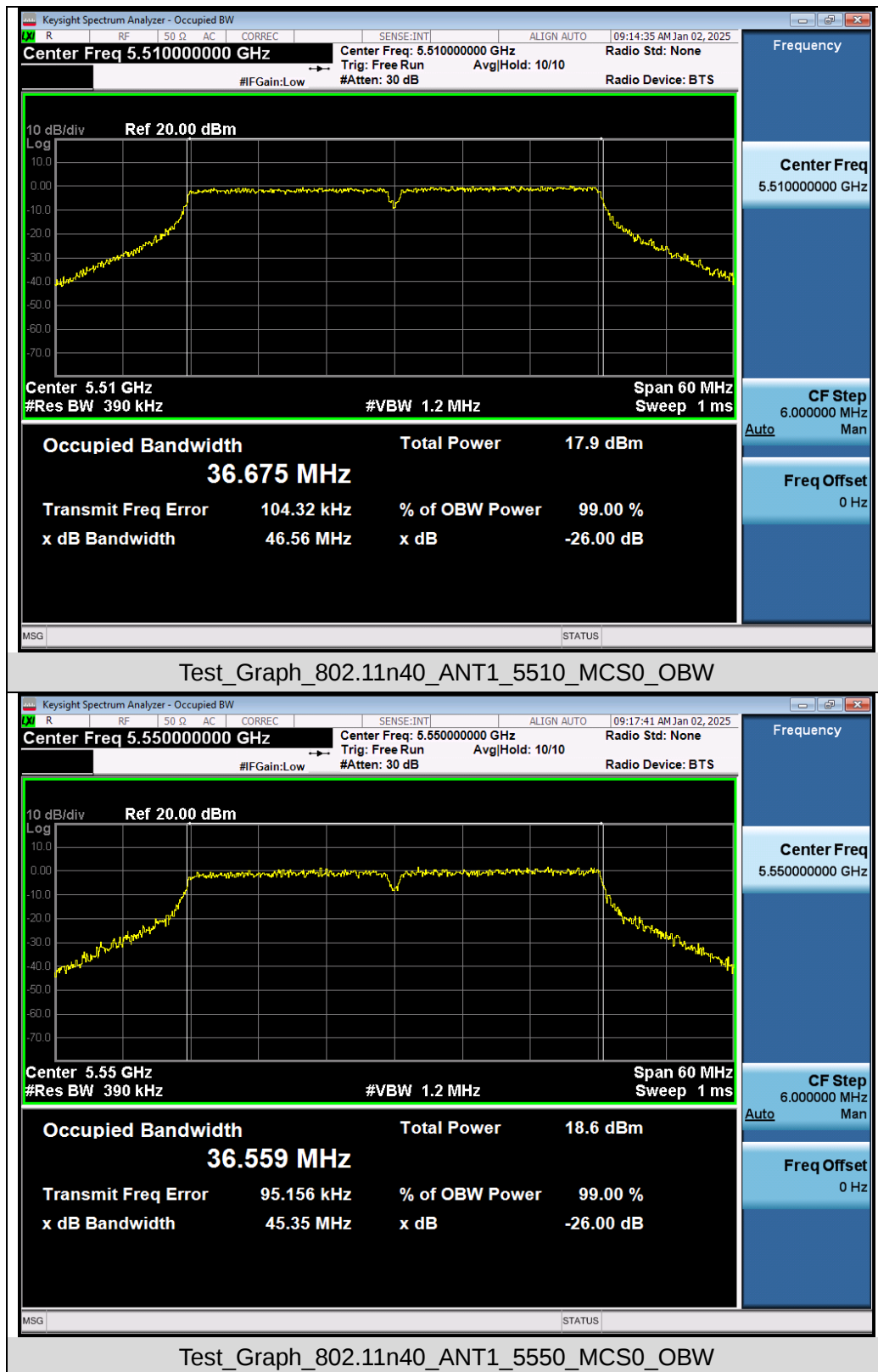
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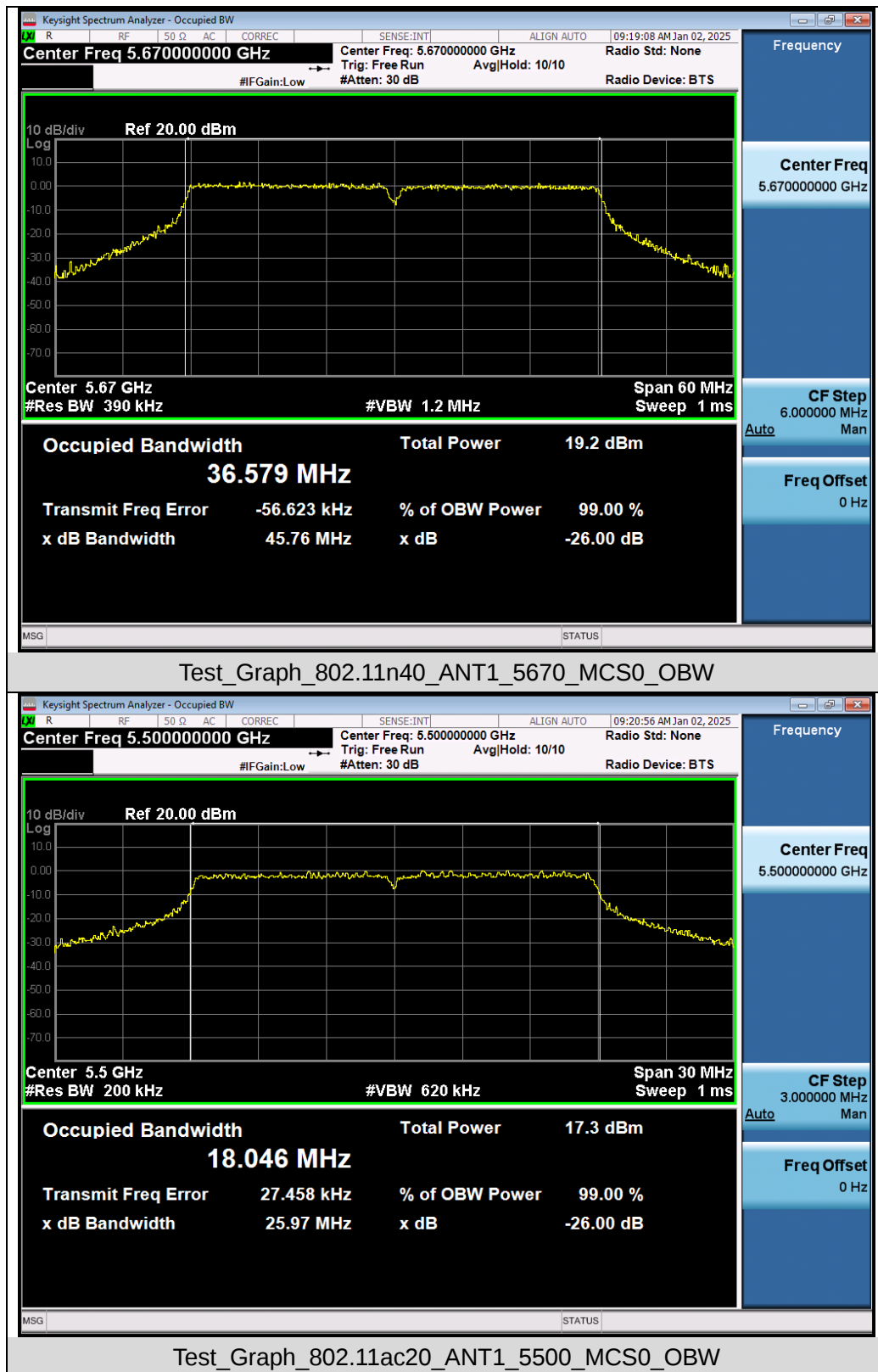


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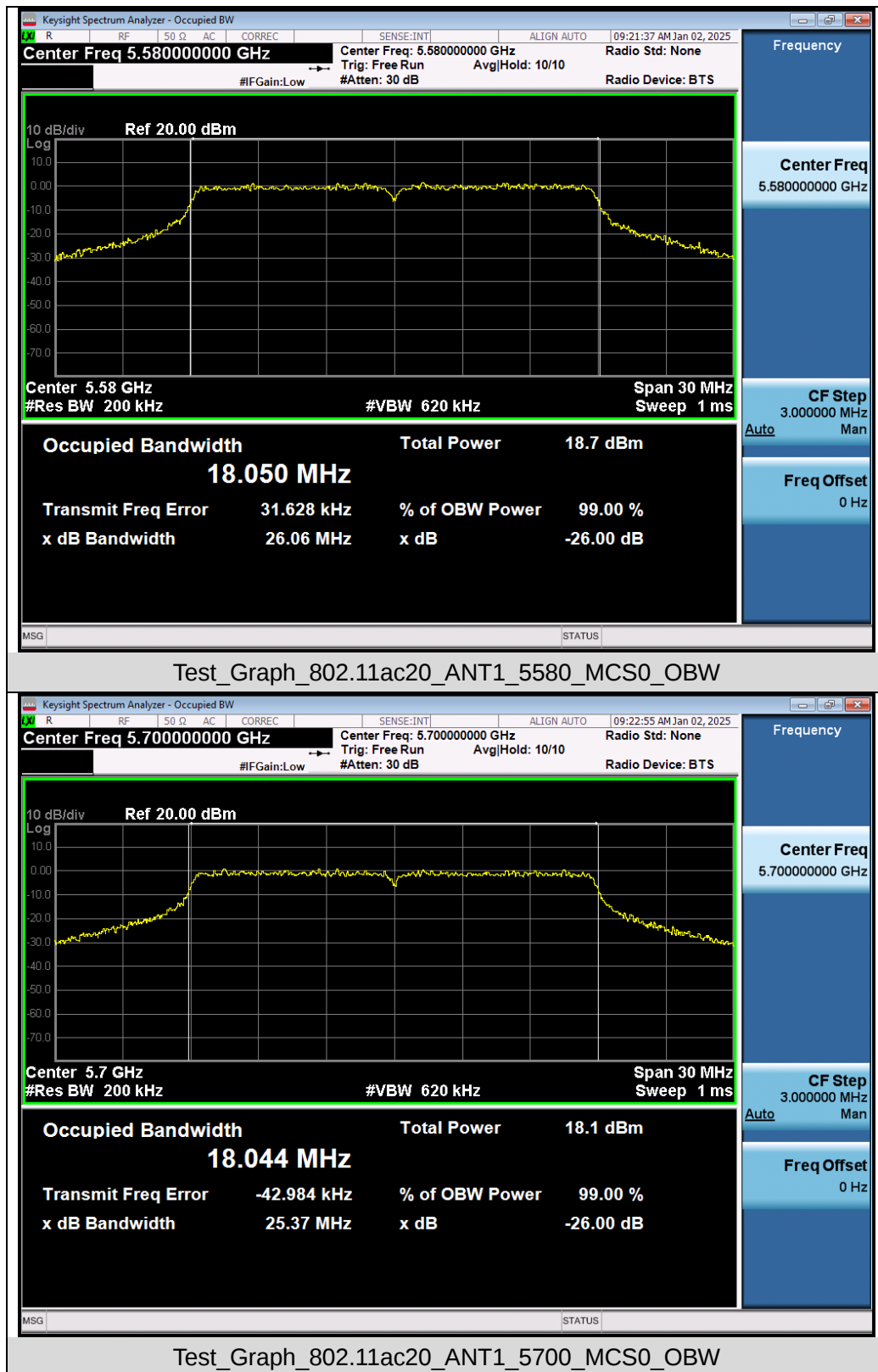


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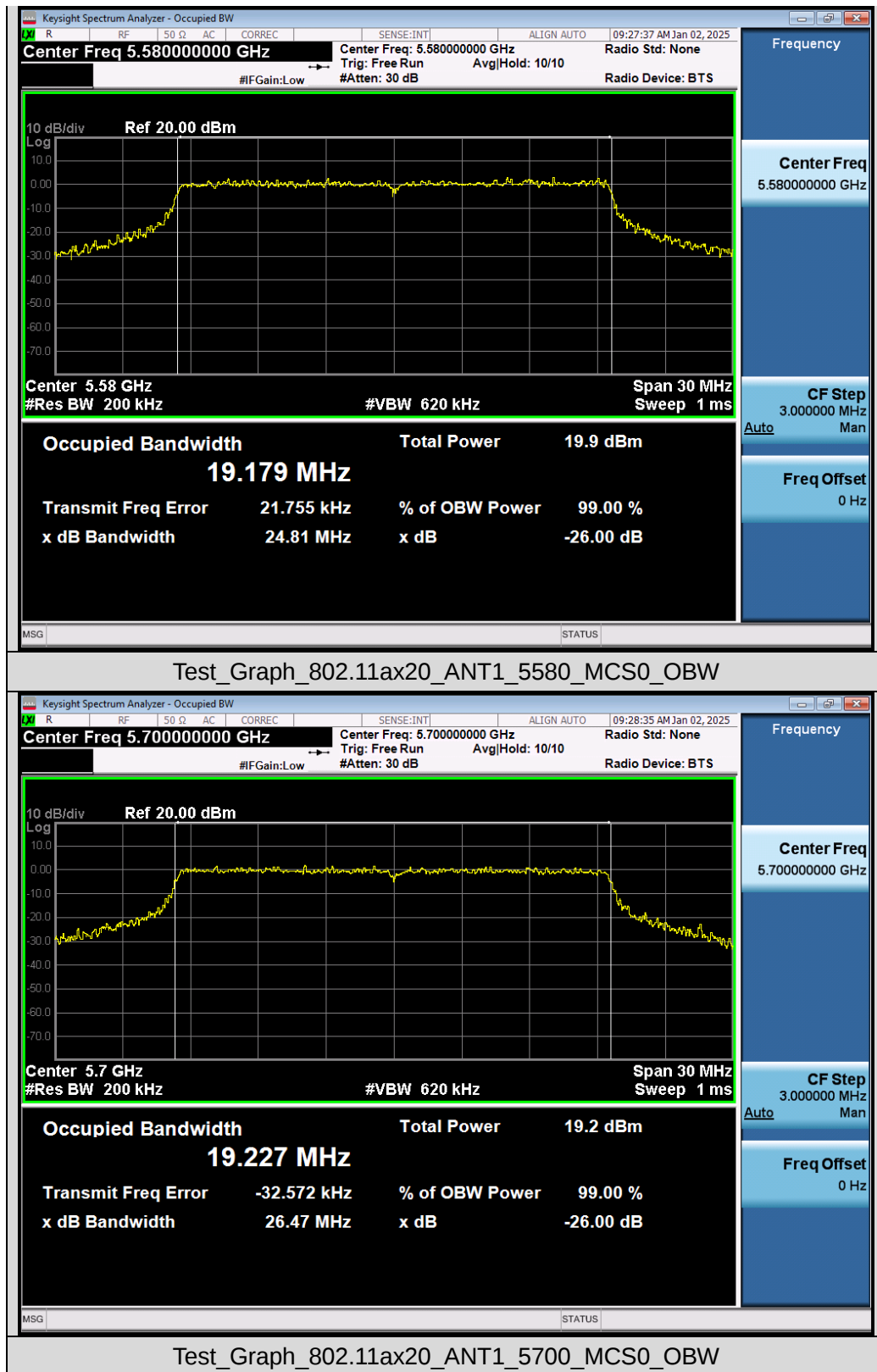
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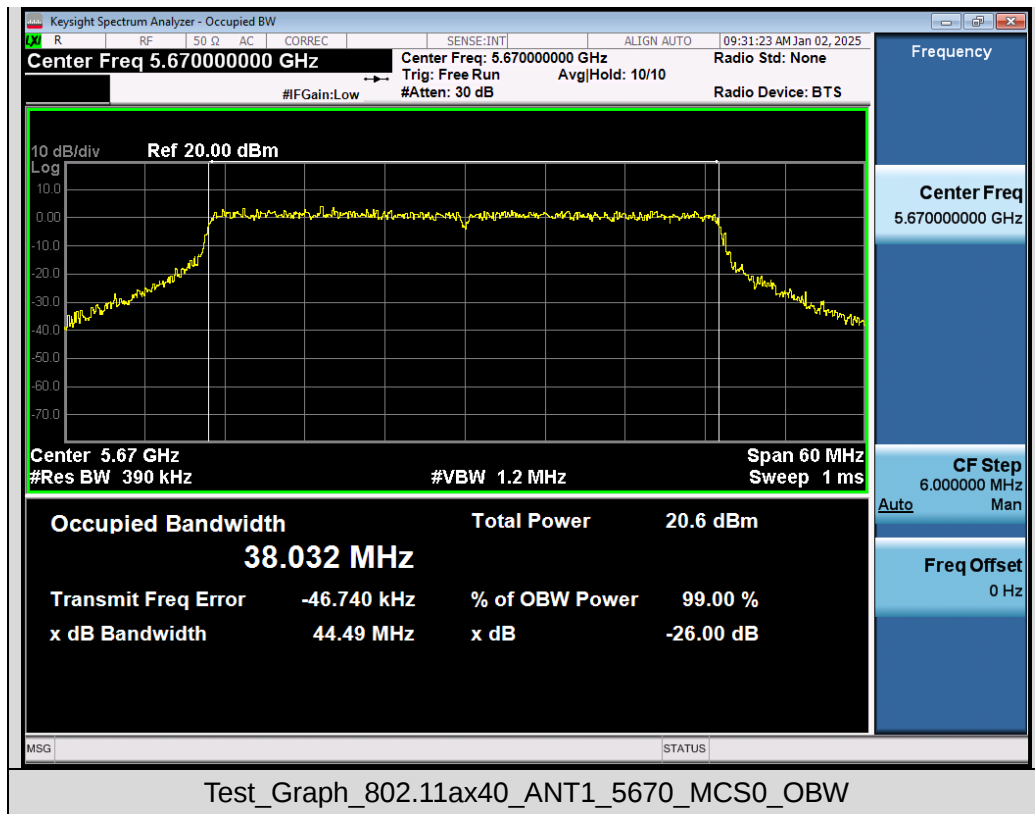


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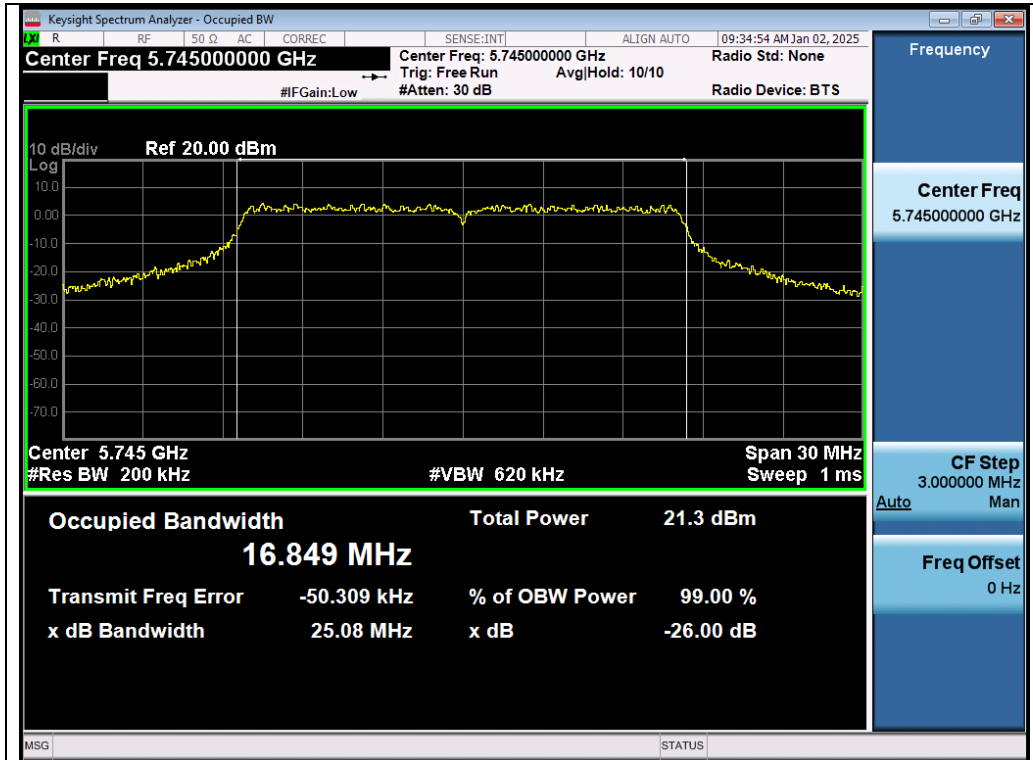
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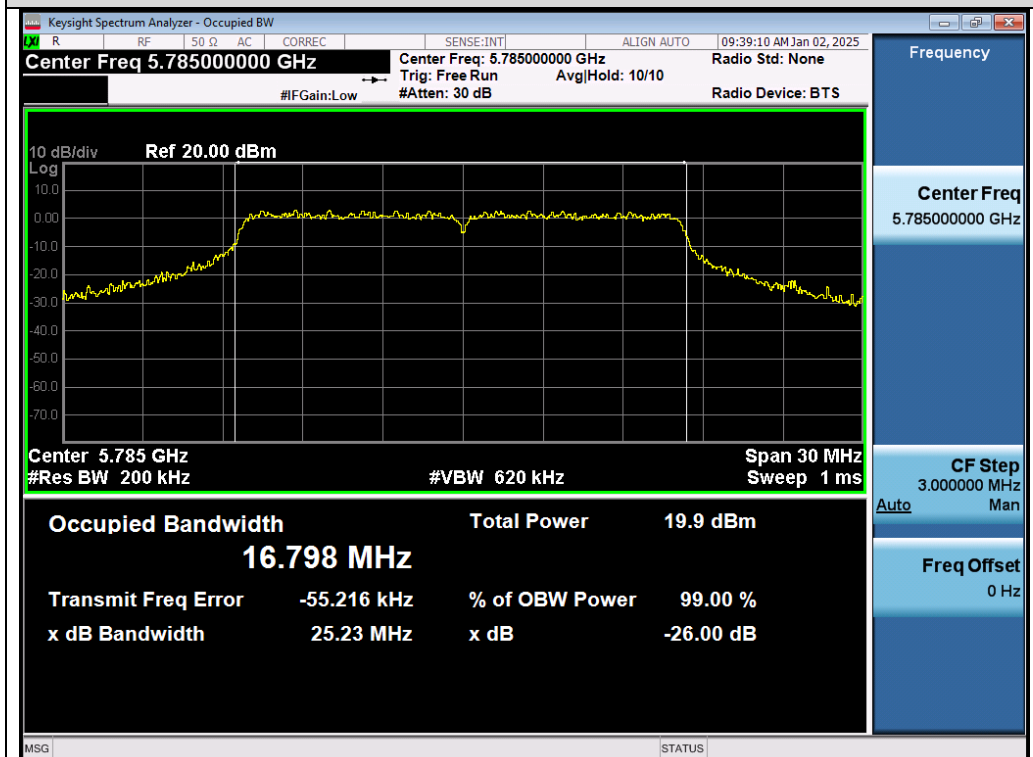
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Test Graphs of Occupied Bandwidth and -26dB Bandwidth for band 5.745-5.825 GHz

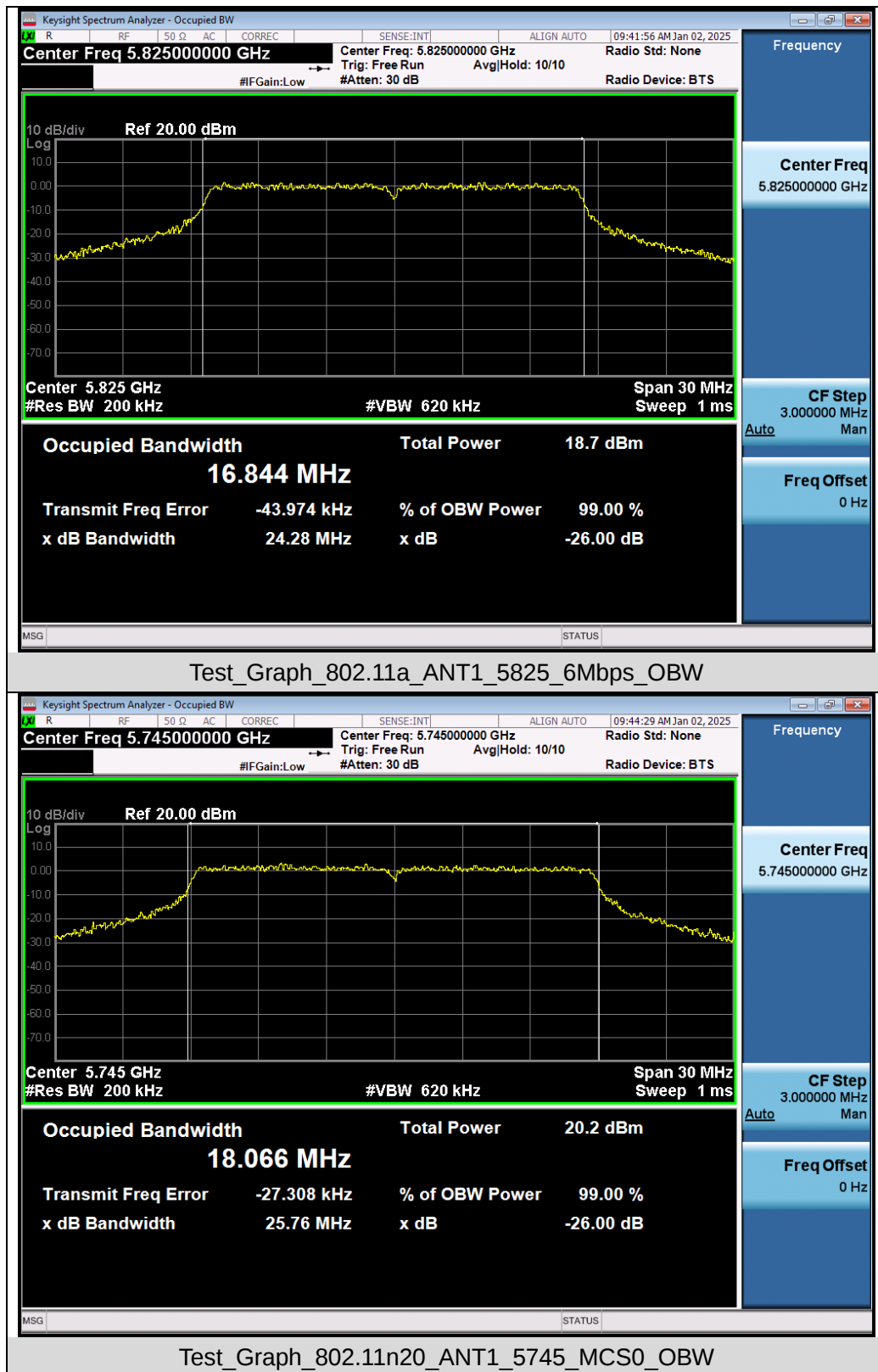


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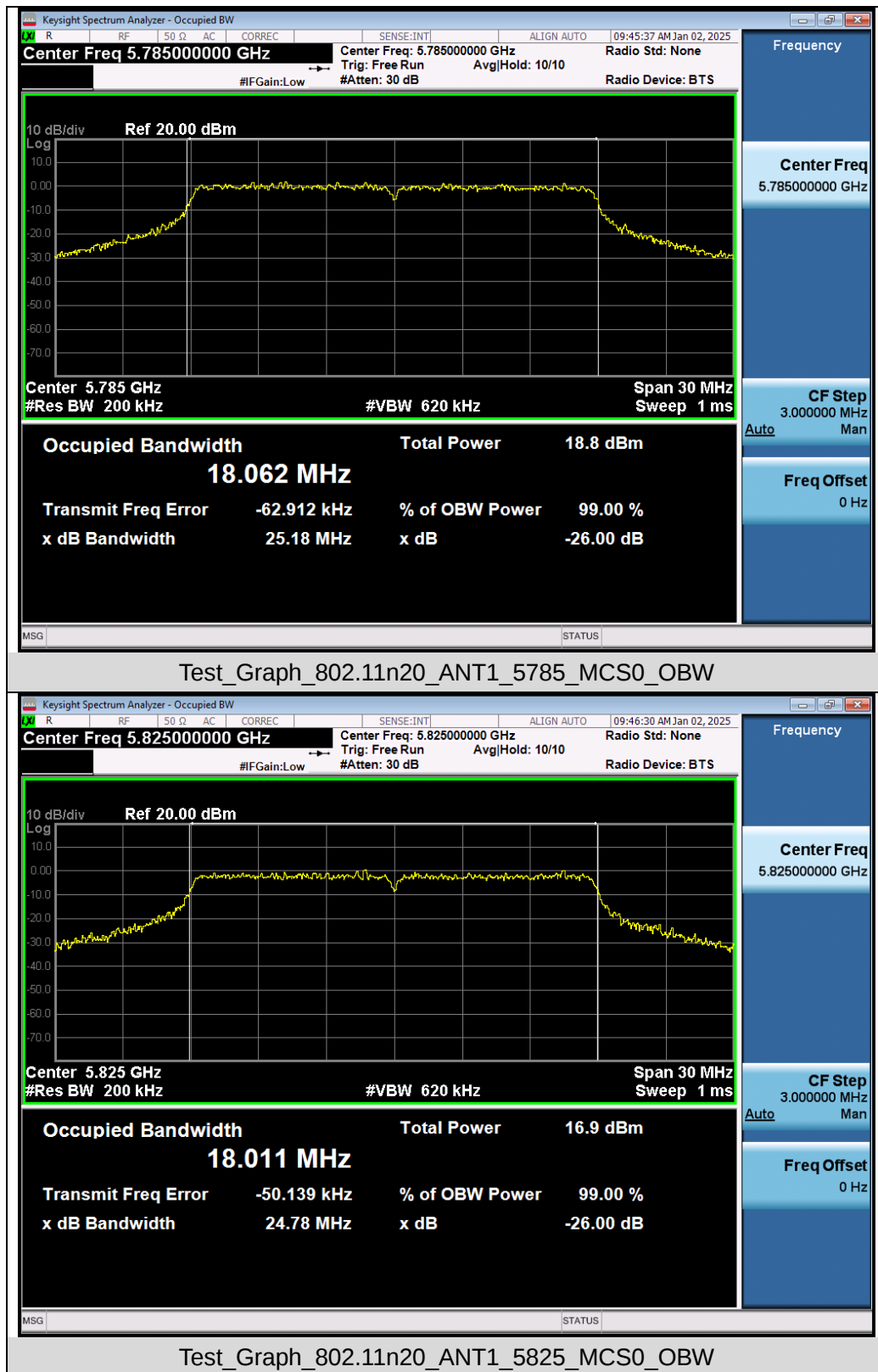


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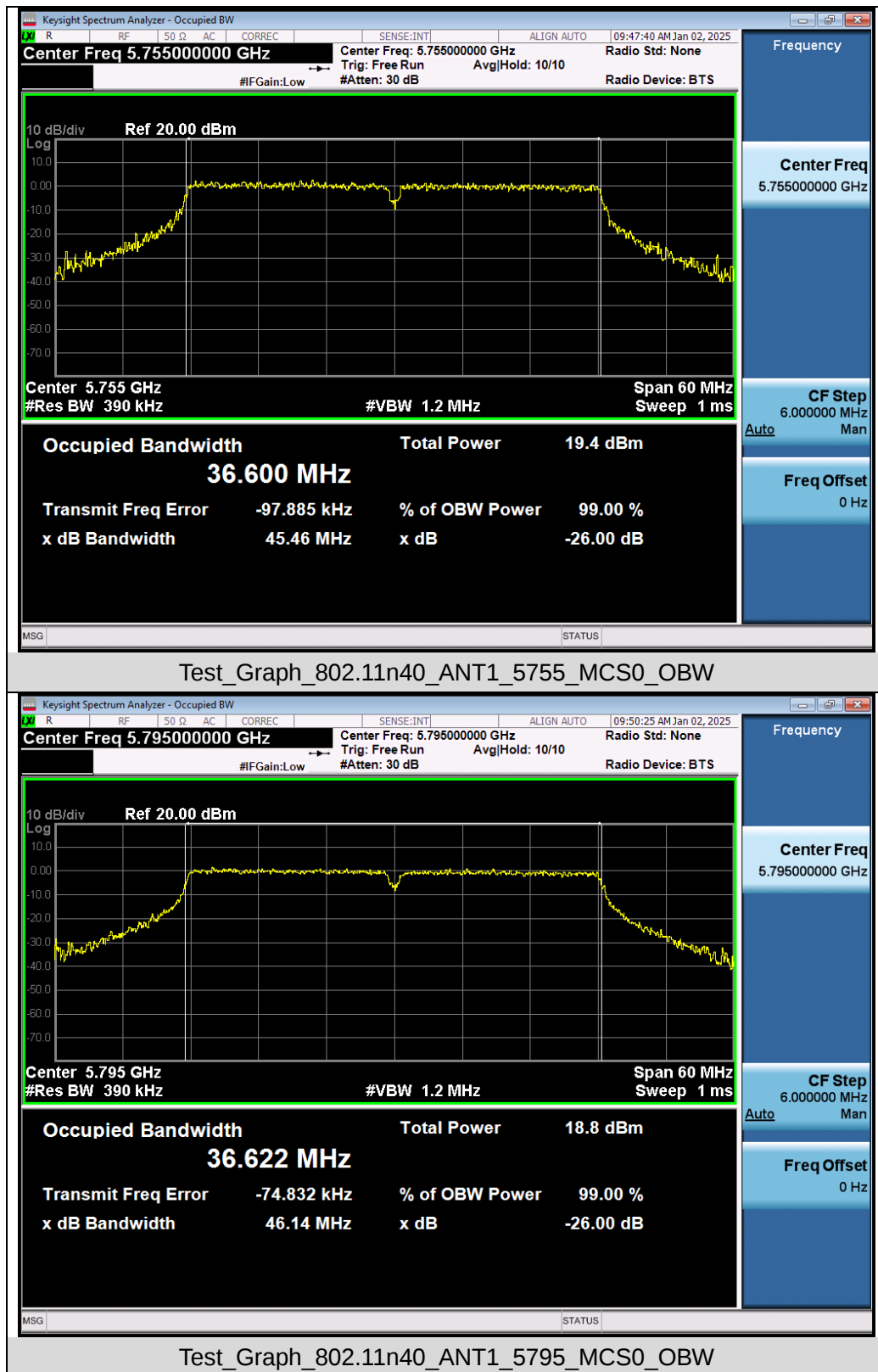
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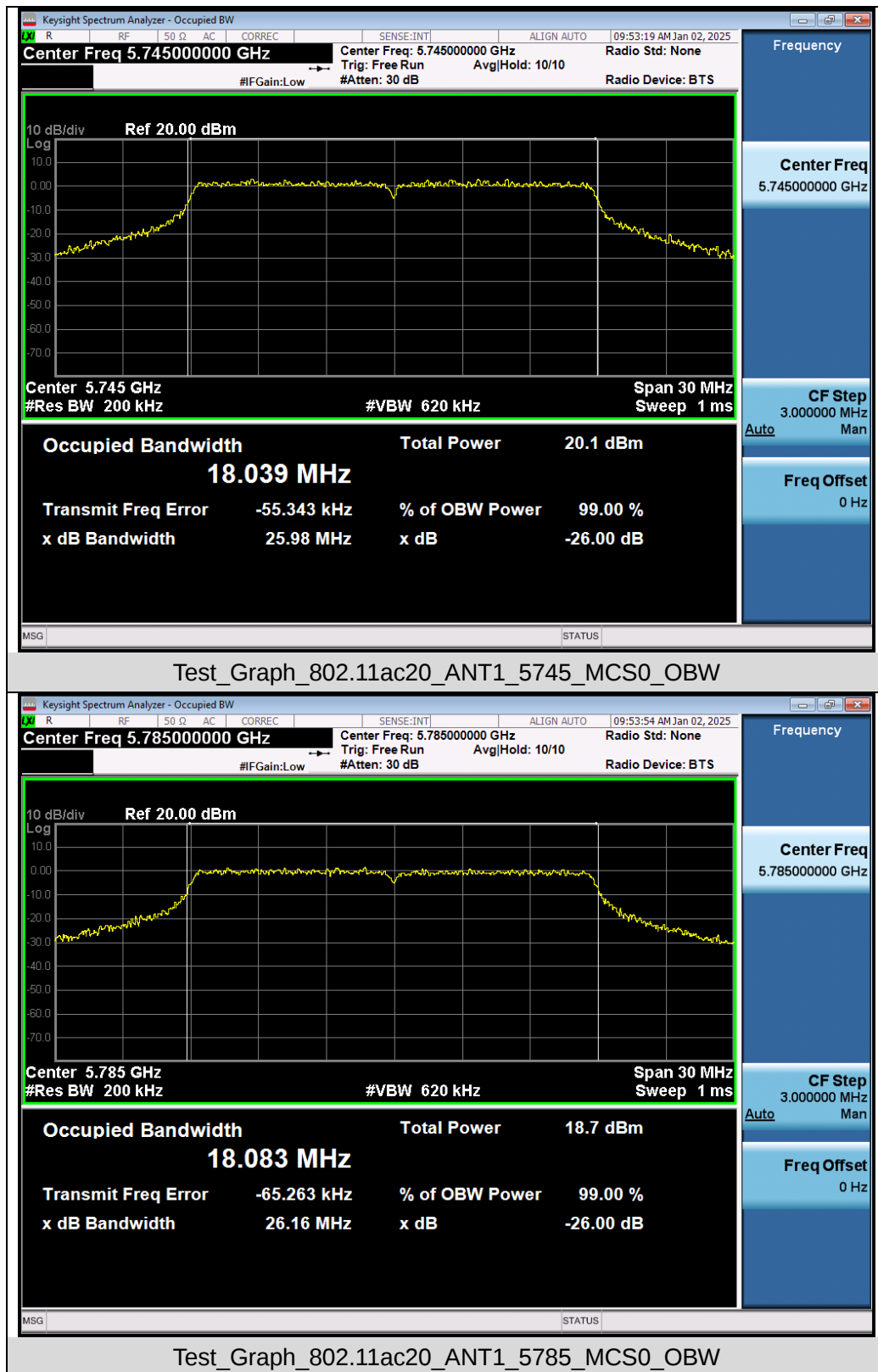
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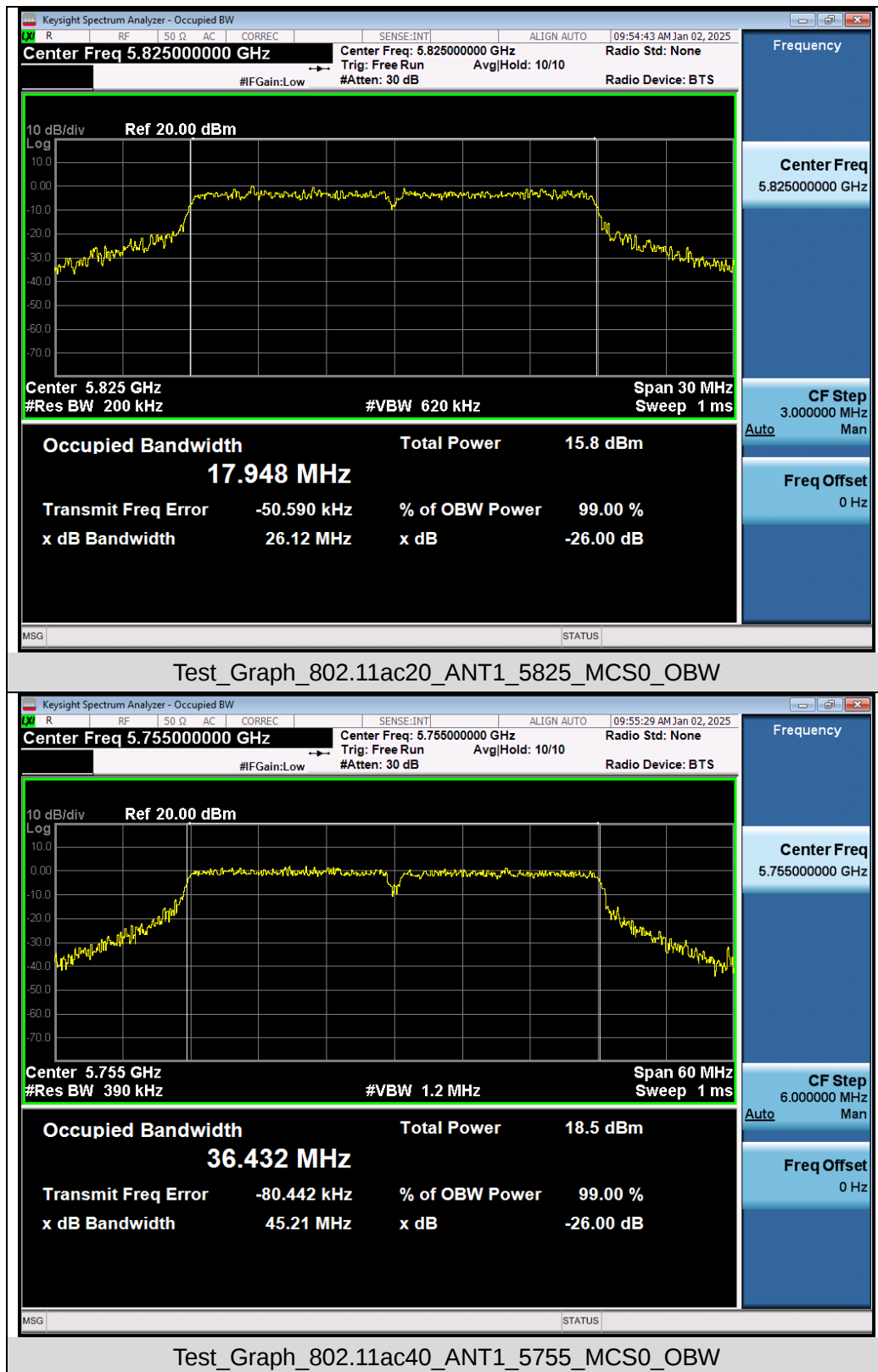


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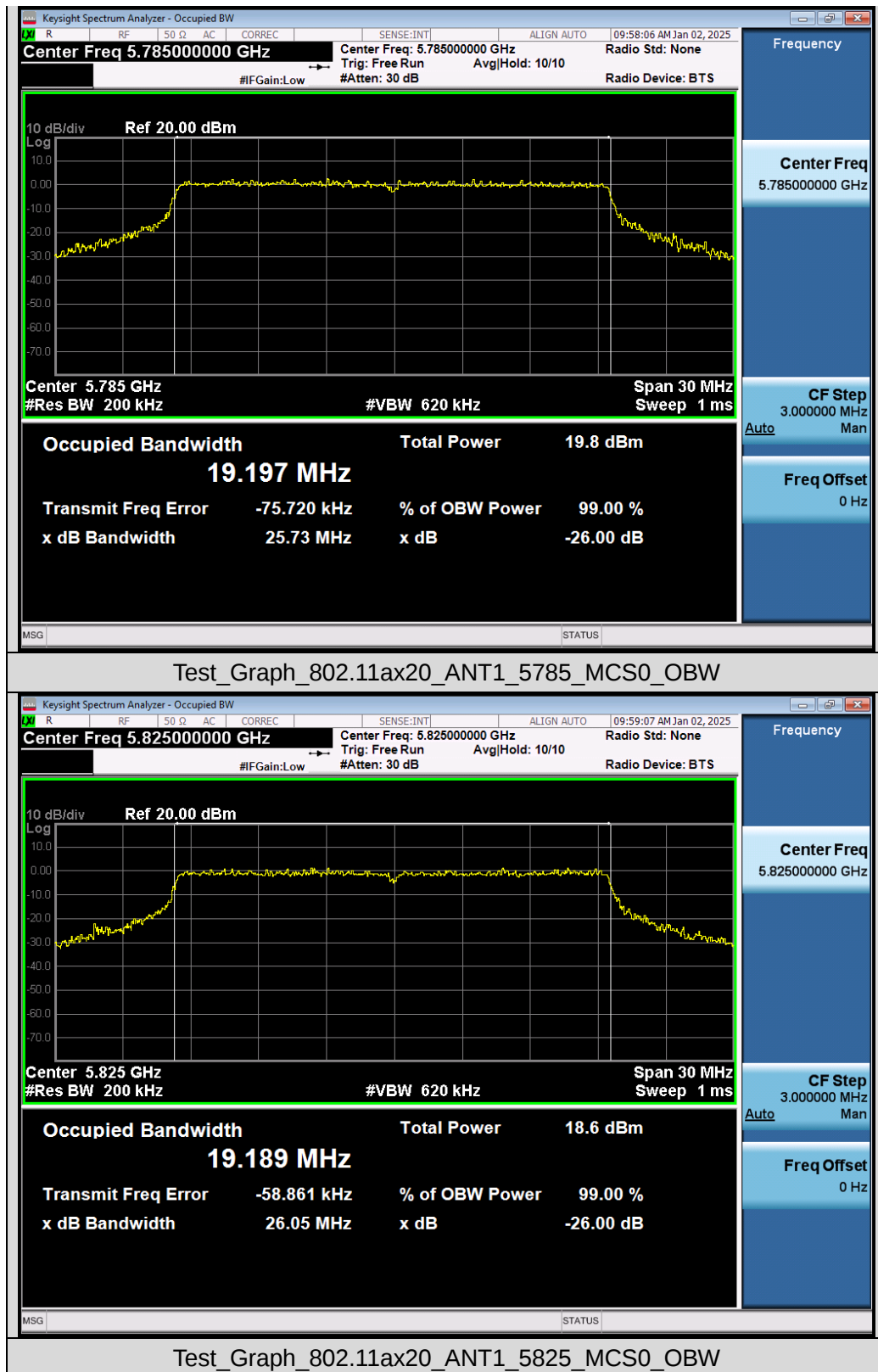
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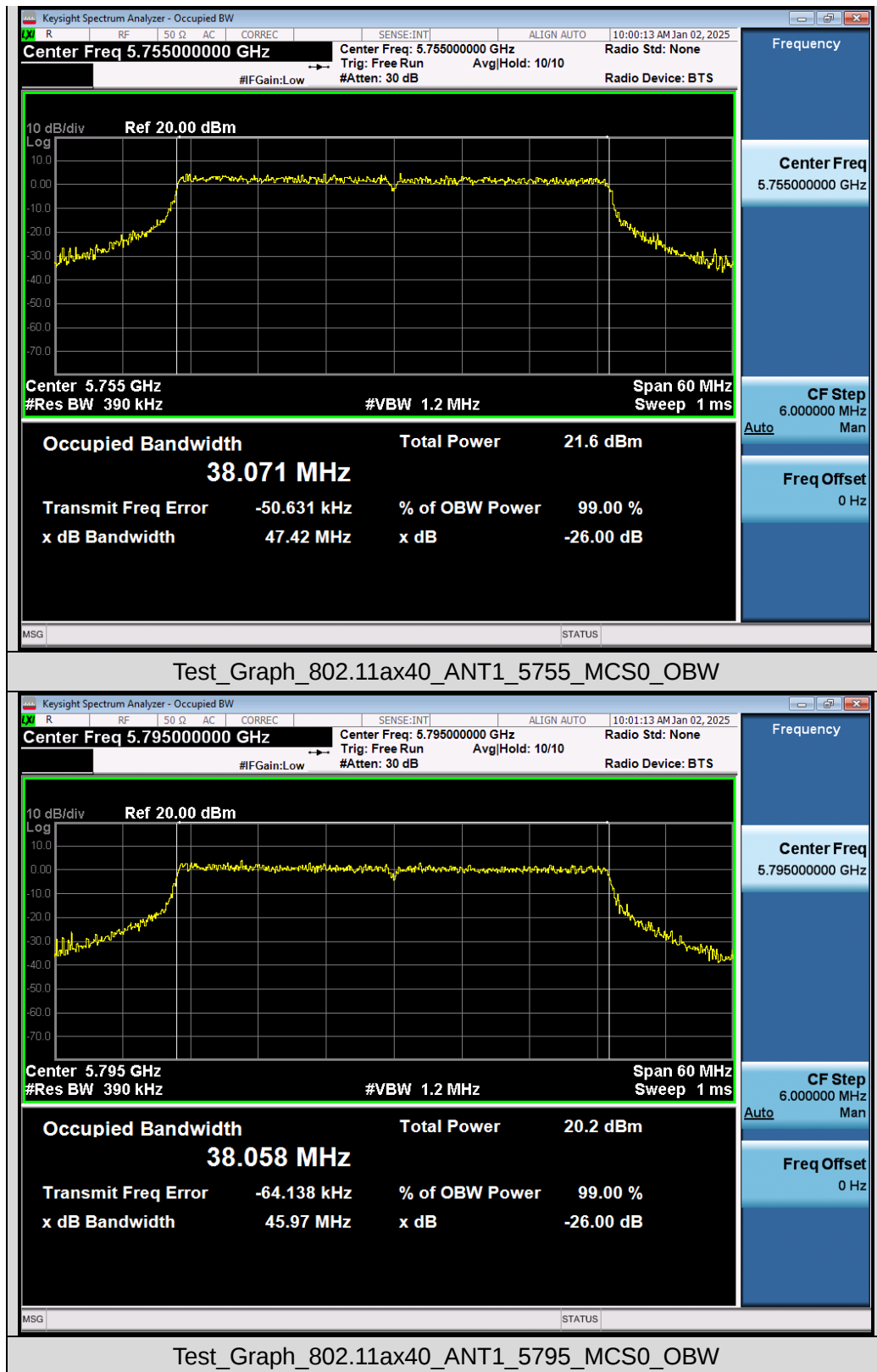


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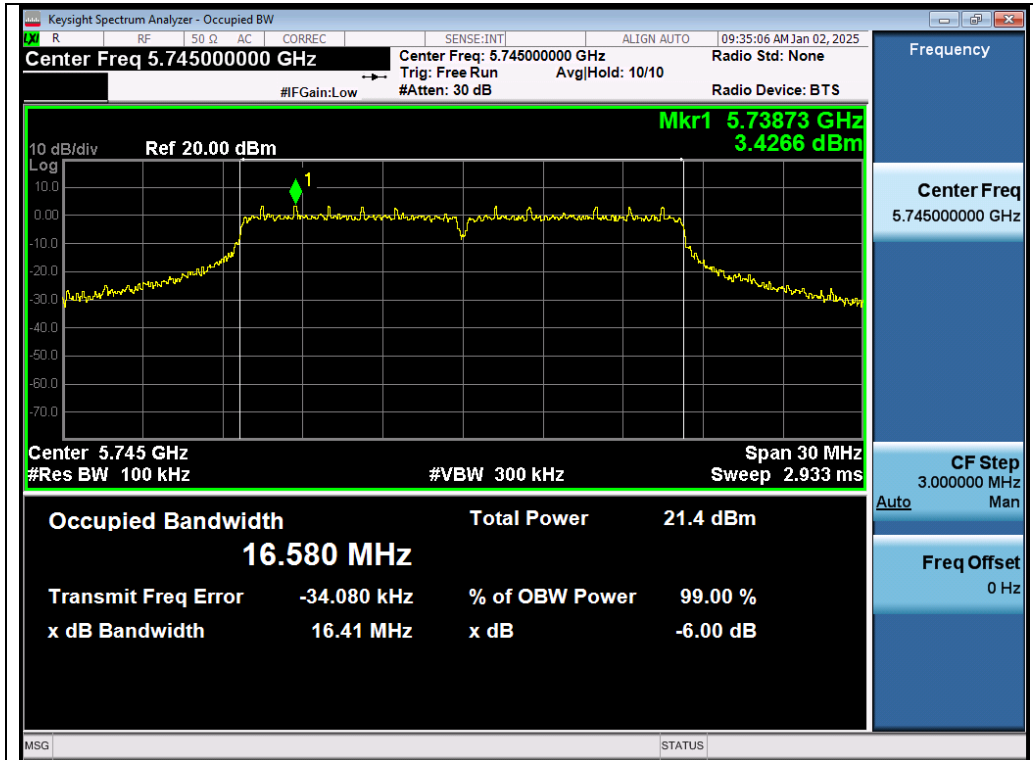
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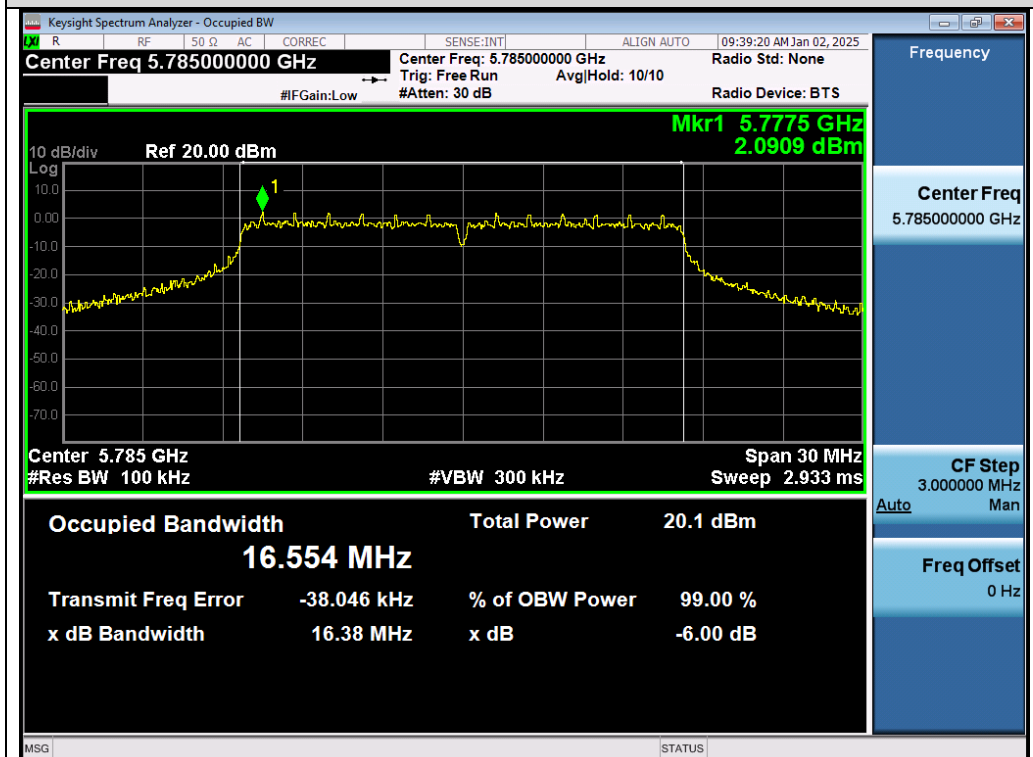
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Test Graphs of DTS Bandwidth for band 5.725-5.85 GHz

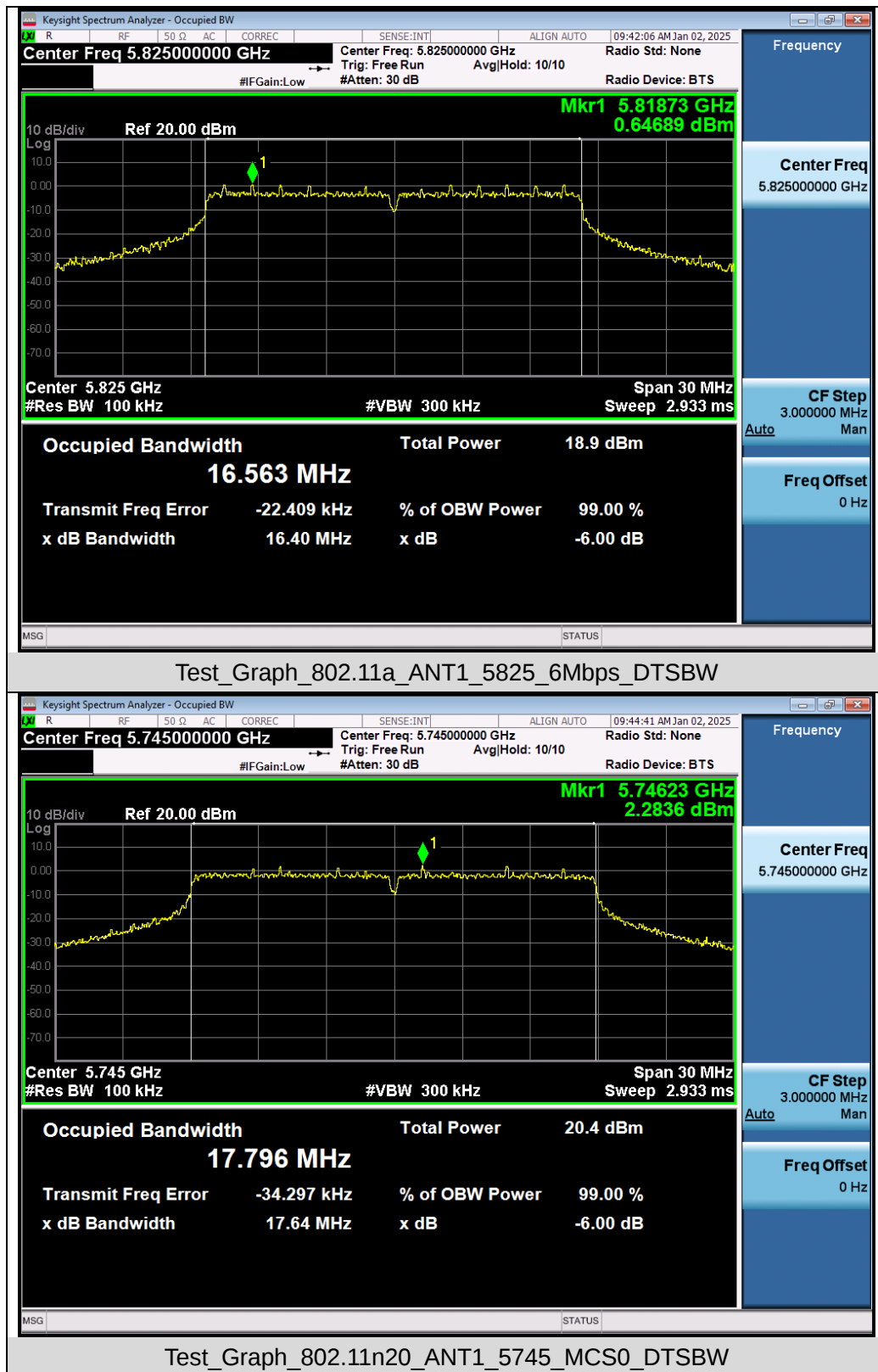


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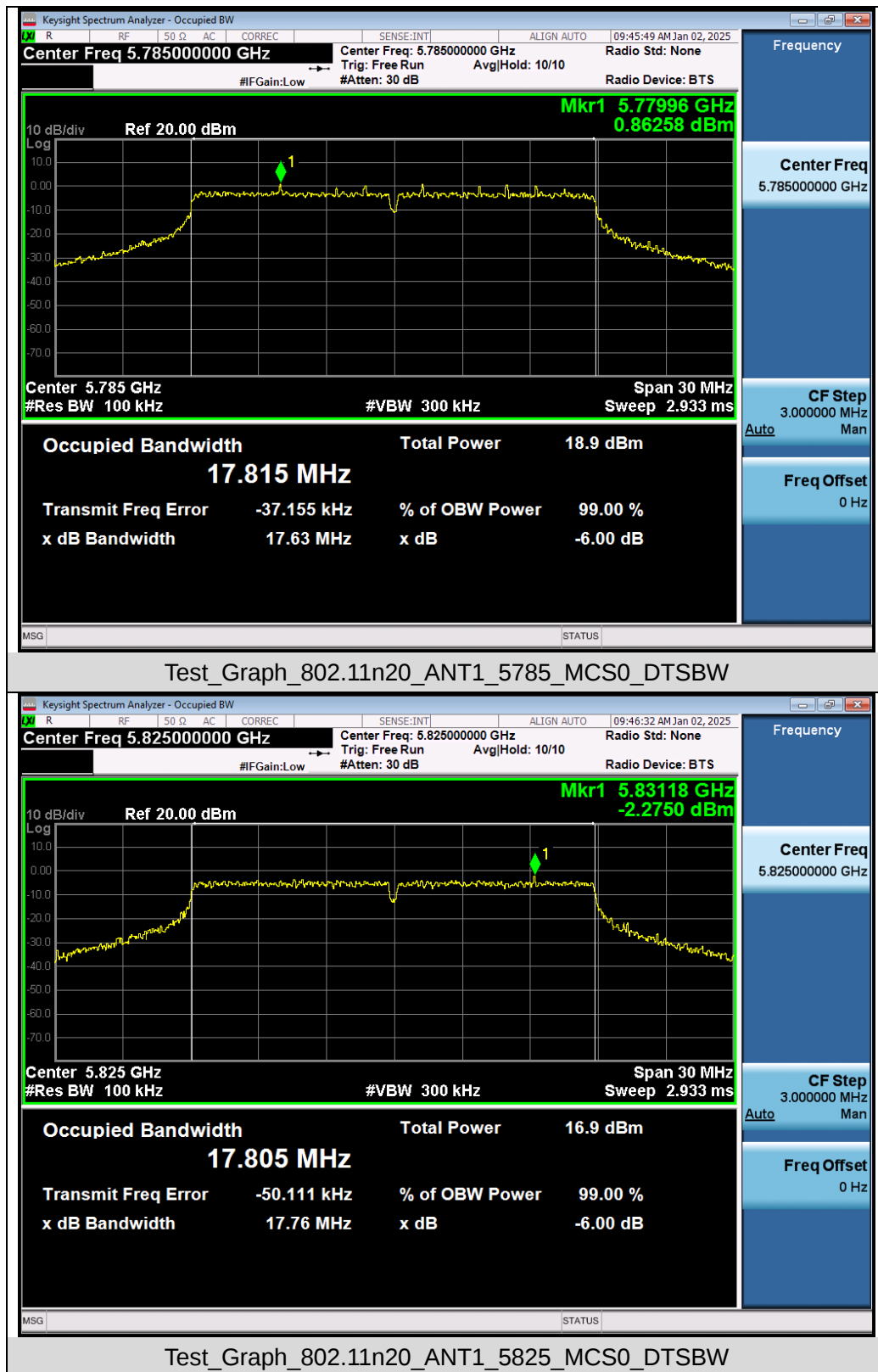
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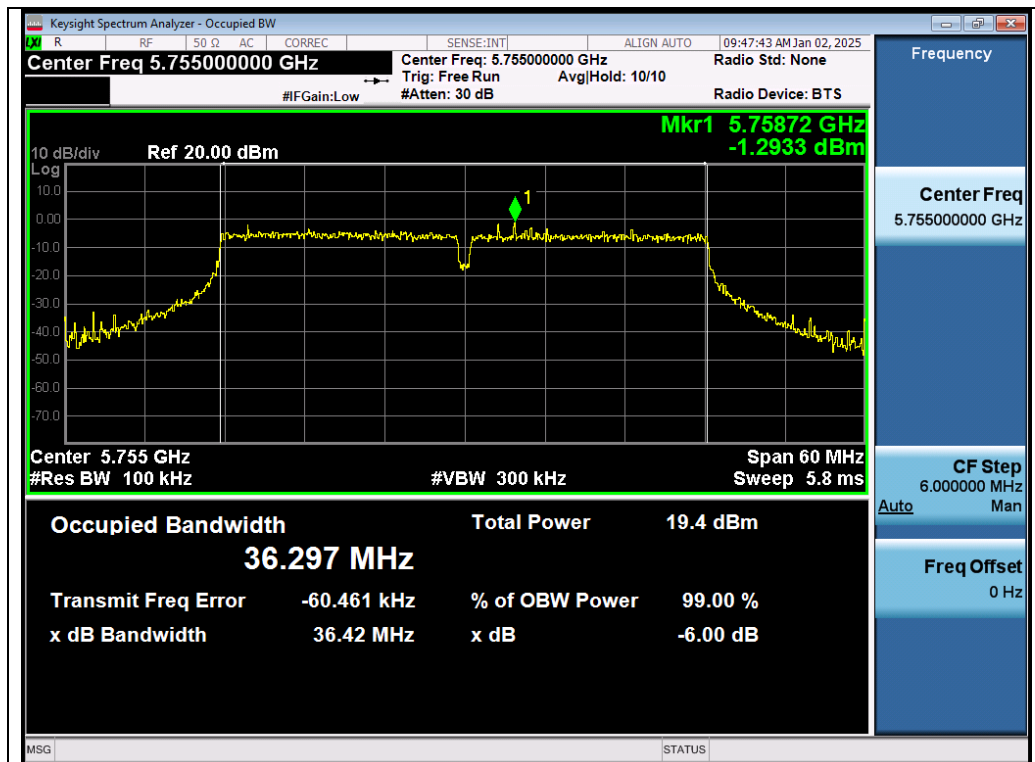


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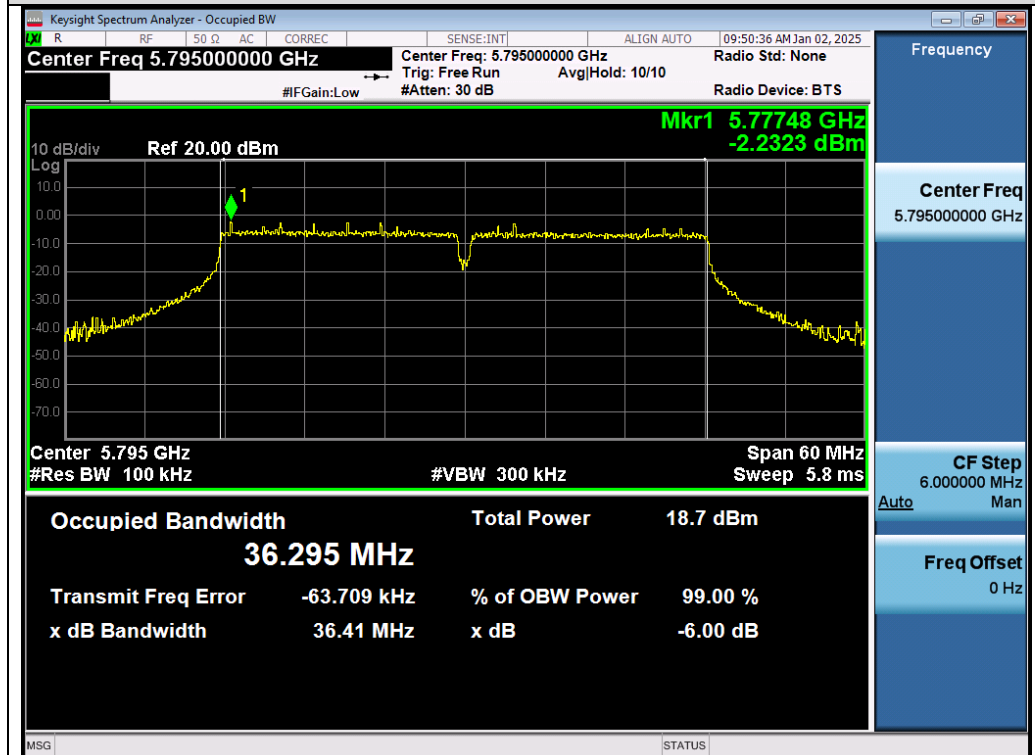
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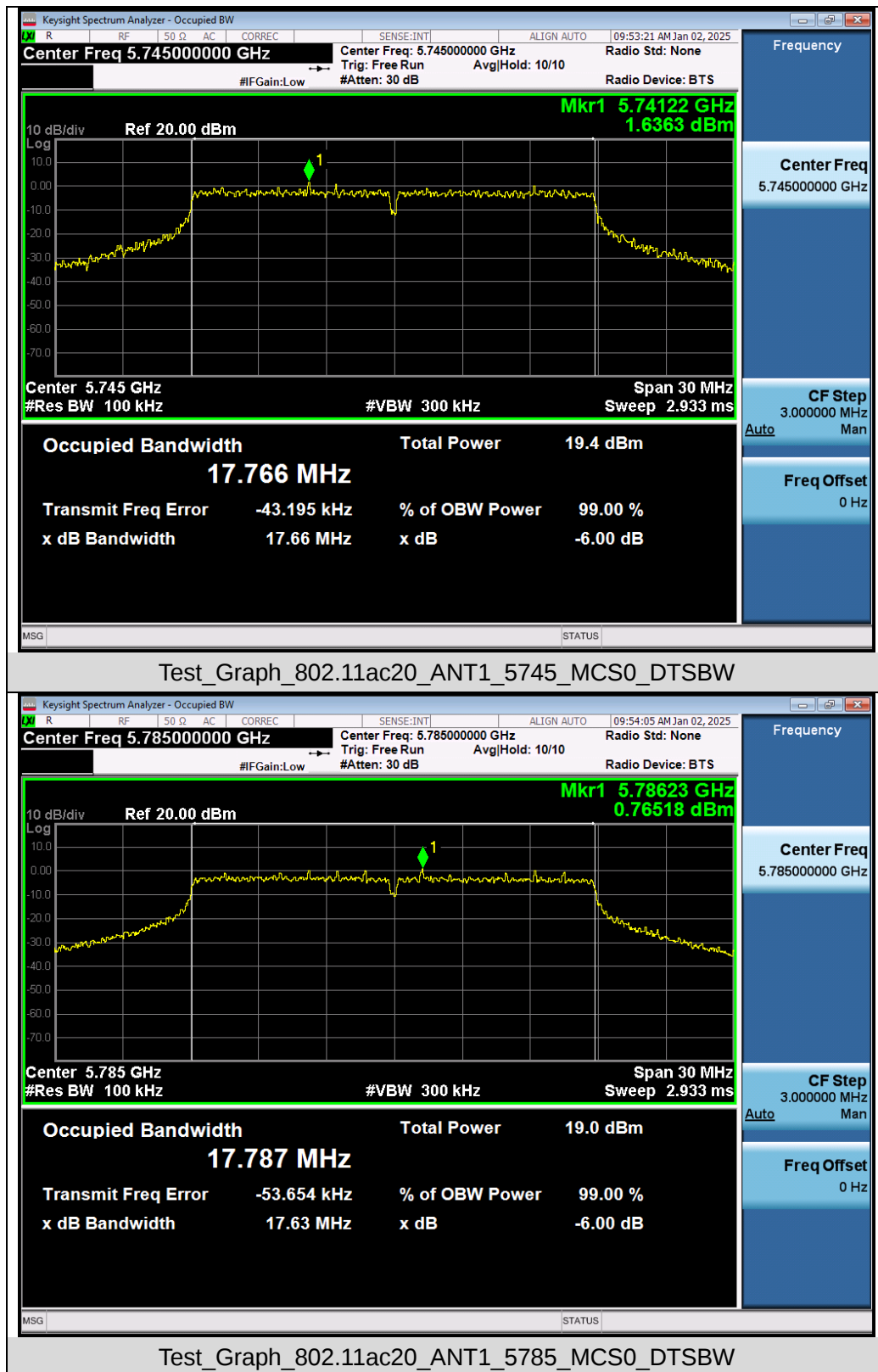
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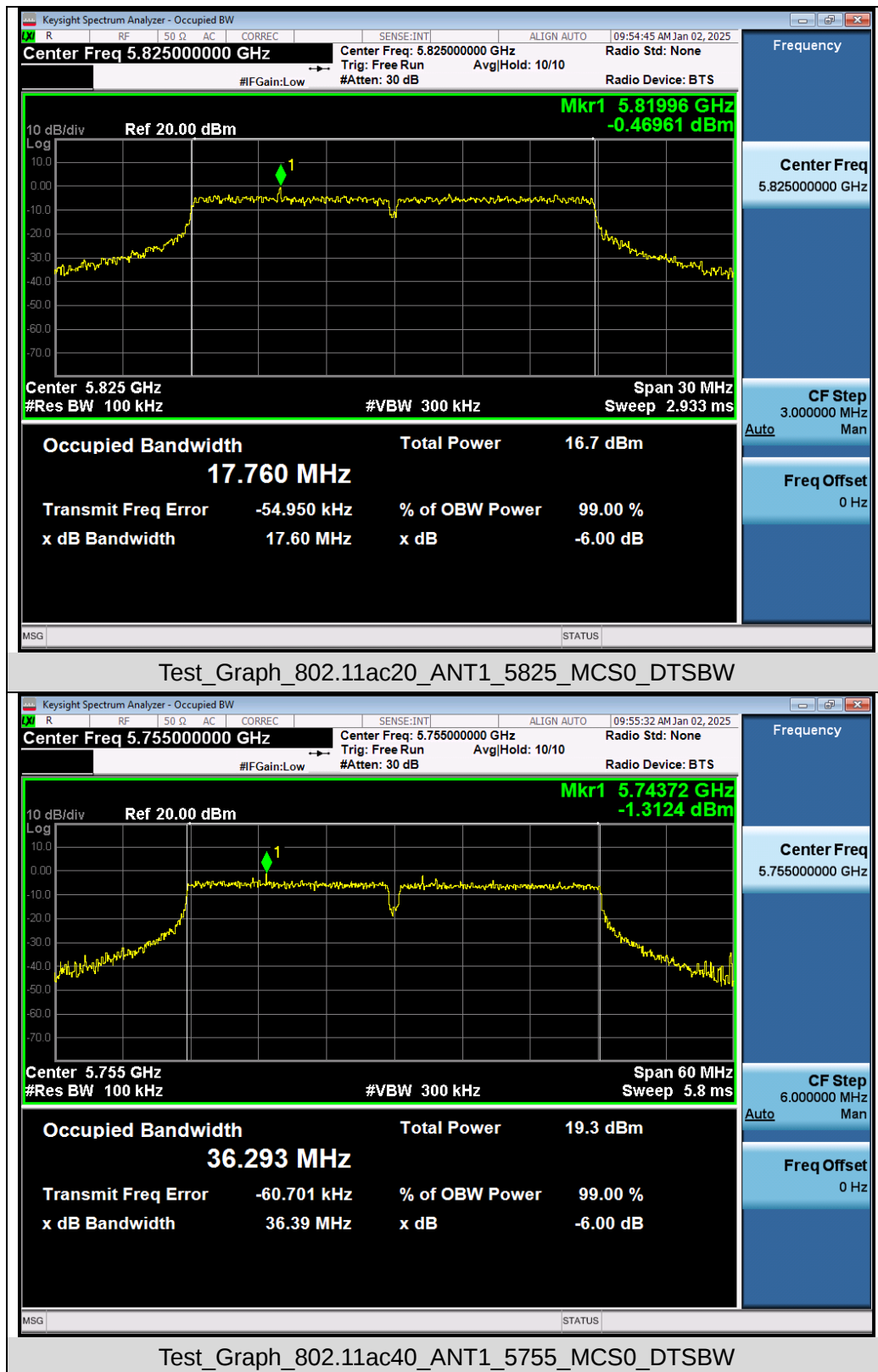
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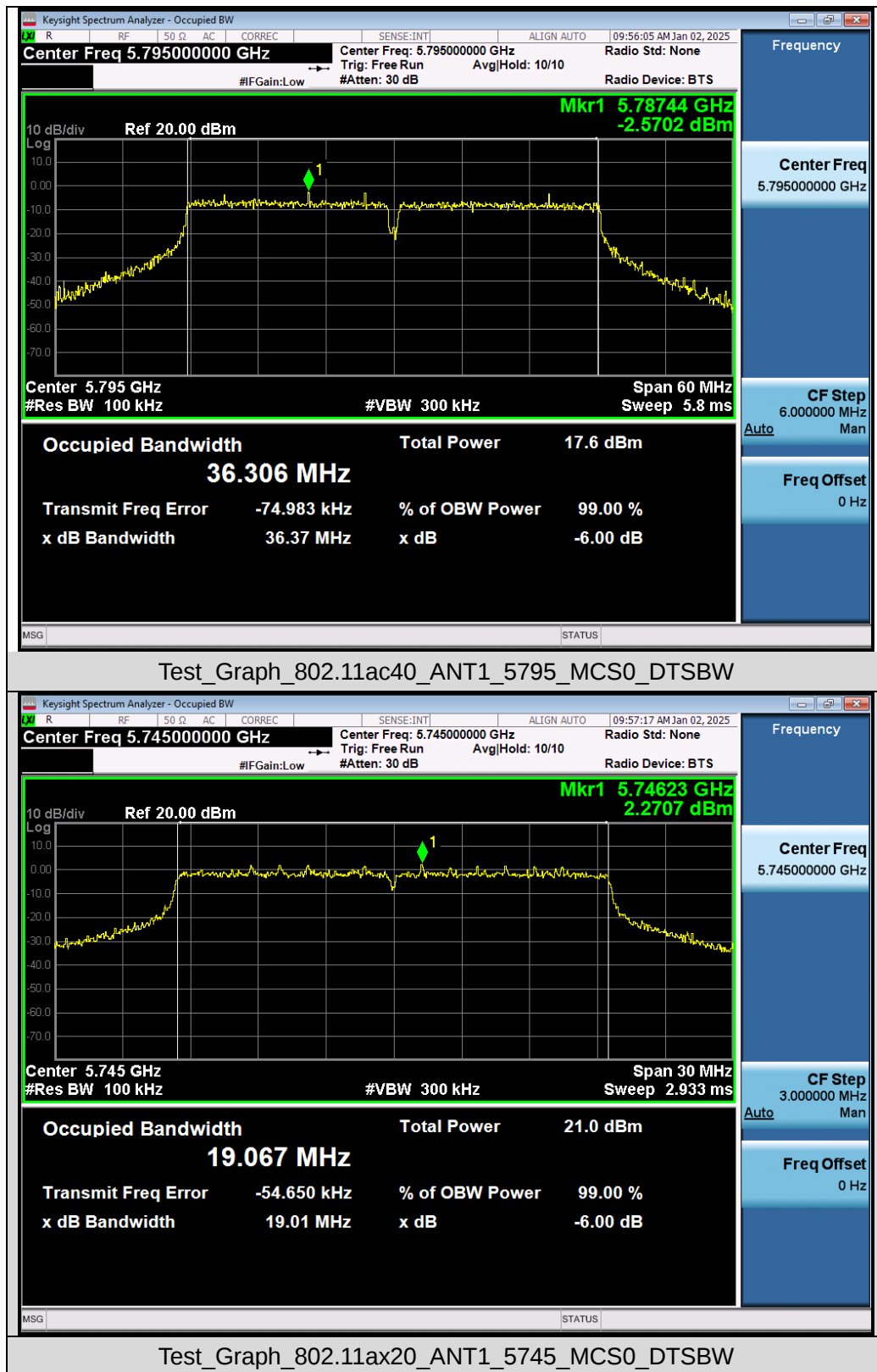
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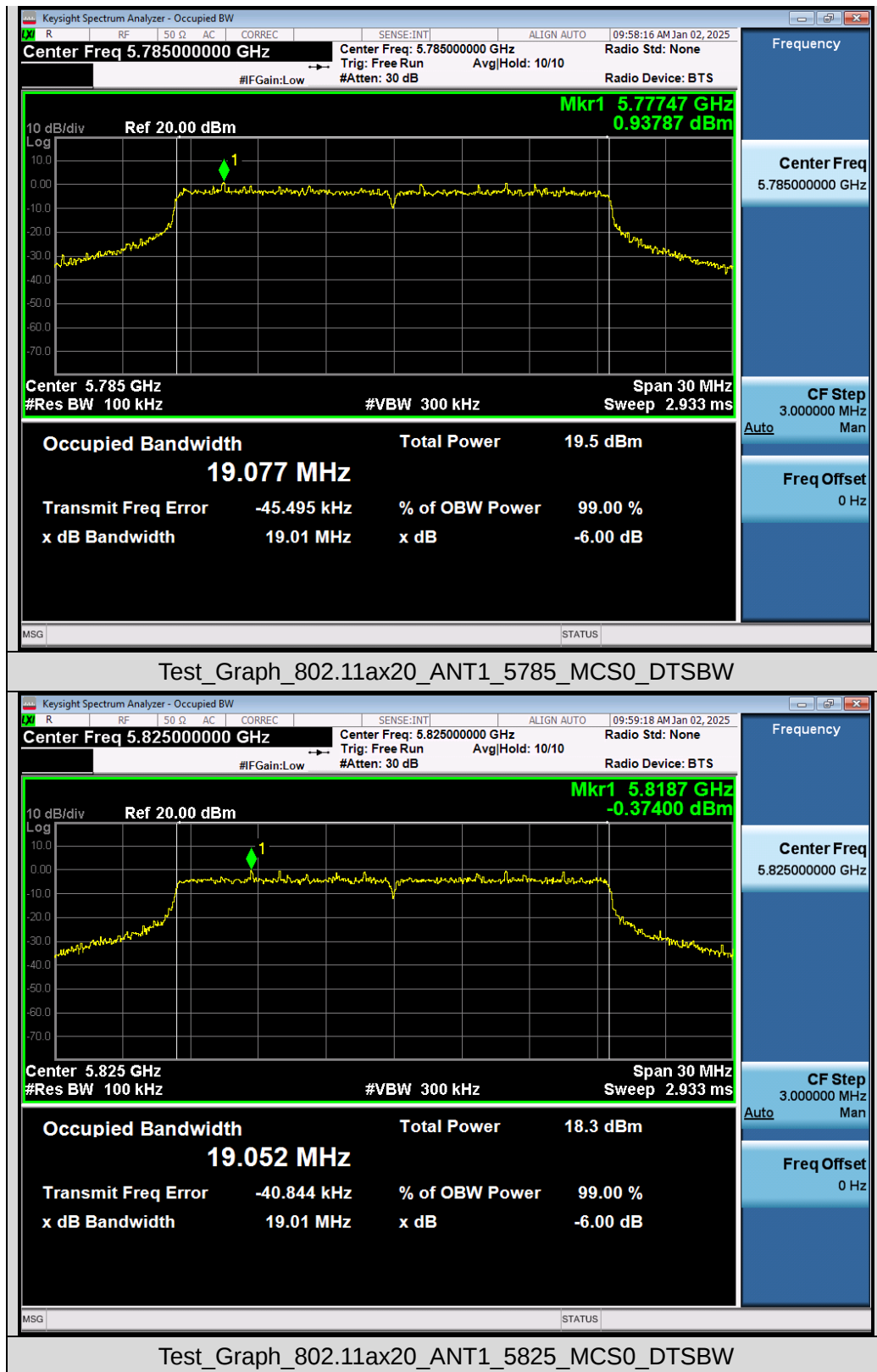
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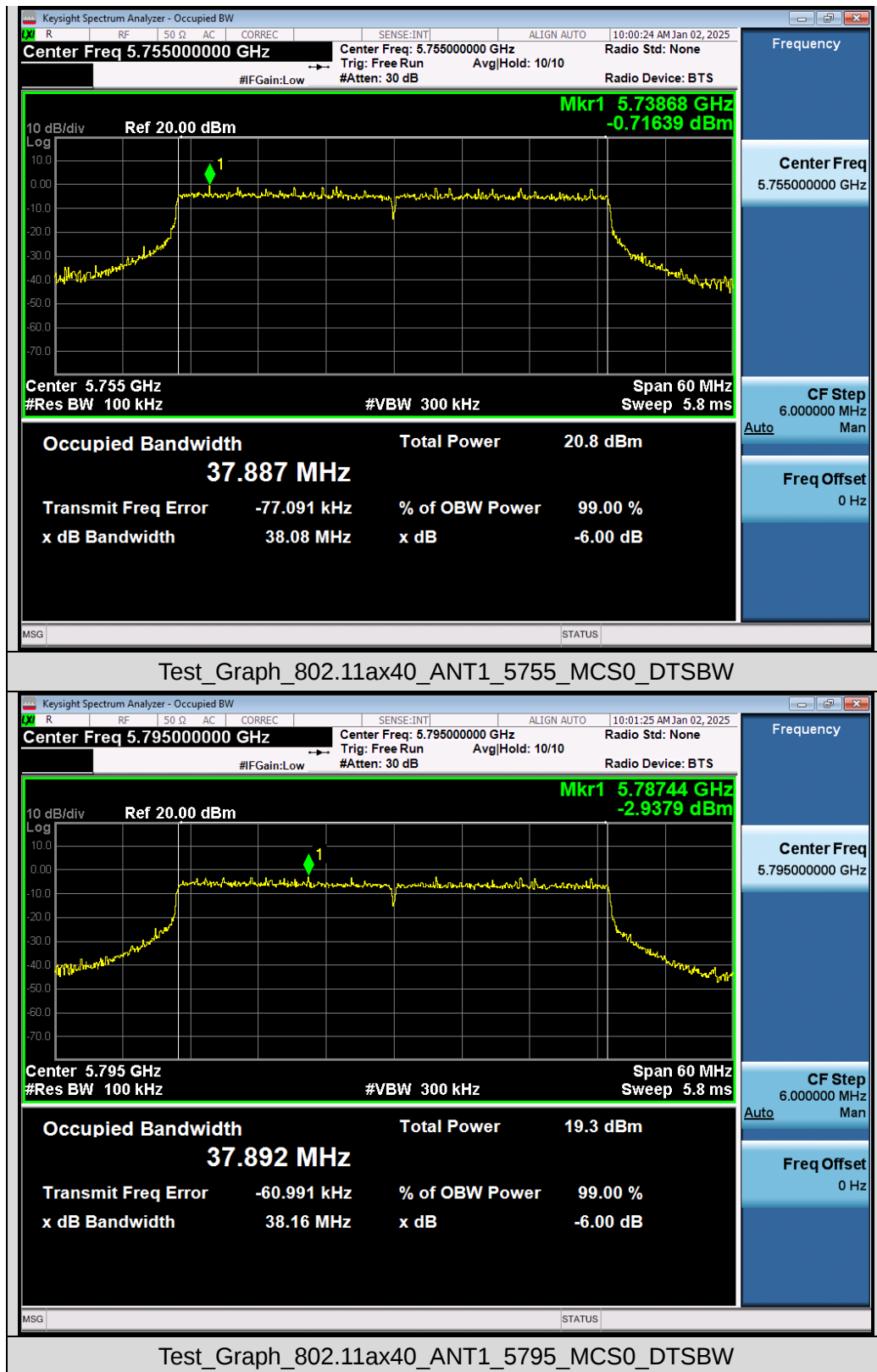
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9. Power Spectral Density Measurement

9.1 Provisions Applicable

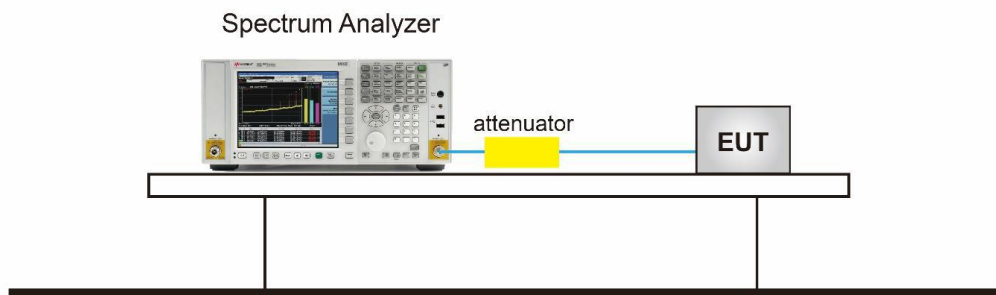
Operation Band	EUT Category		LIMIT
U-NII-1	☐	Outdoor Access Point	17dBm/ MHz
	☐	Fixed point-to-point Access Point	17dBm/ MHz
	☐	Indoor Access Point	17dBm/ MHz
	☒	Client devices	11dBm/ MHz
U-NII-2A	/		11dBm/ MHz
U-NII-2C	/		11dBm/ MHz
U-NII-3	/		30 dBm/500kHz

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-ANT 1				
Test Mode	Test Channel (MHz)	Average Power Density (dBm/MHz)	Limits (dBm/MHz)	Pass or Fail
802.11a	5180	1.414	11	Pass
	5200	2.799	11	Pass
	5240	3.409	11	Pass
802.11n20	5180	0.640	11	Pass
	5200	1.289	11	Pass
	5240	2.267	11	Pass
802.11n40	5190	-2.059	11	Pass
	5230	-0.985	11	Pass
802.11ac20	5180	0.602	11	Pass
	5200	1.165	11	Pass
	5240	2.073	11	Pass
802.11ac40	5190	-1.919	11	Pass
	5230	-0.855	11	Pass
802.11ax20	5180	0.228	11	Pass
	5200	0.809	11	Pass
	5240	2.021	11	Pass
802.11ax40	5190	-2.023	11	Pass
	5230	-0.900	11	Pass

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Test Data of Conducted Output Power Density for band 5.25-5.35 GHz-ANT 1				
Test Mode	Test Channel (MHz)	Average Power Density (dBm/MHz)	Limits (dBm/MHz)	Pass or Fail
802.11a	5260	3.203	11	Pass
	5300	3.614	11	Pass
	5320	2.906	11	Pass
802.11n20	5260	2.424	11	Pass
	5300	2.494	11	Pass
	5320	2.399	11	Pass
802.11n40	5270	-0.615	11	Pass
	5310	-0.711	11	Pass
802.11ac20	5260	2.132	11	Pass
	5300	2.259	11	Pass
	5320	1.981	11	Pass
802.11ac40	5270	-1.050	11	Pass
	5310	-0.728	11	Pass
802.11ax20	5260	1.932	11	Pass
	5300	2.079	11	Pass
	5320	1.817	11	Pass
802.11ax40	5270	-0.729	11	Pass
	5310	-0.934	11	Pass

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Test Data of Conducted Output Power Density for band 5.470-5.725 GHz-ANT 1				
Test Mode	Test Channel (MHz)	Average Power Density (dBm/MHz)	Limits (dBm/MHz)	Pass or Fail
802.11a	5500	0.290	11	Pass
	5600	1.953	11	Pass
	5700	1.280	11	Pass
802.11n20	5500	-1.136	11	Pass
	5600	0.571	11	Pass
	5700	-0.249	11	Pass
802.11n40	5510	-3.614	11	Pass
	5590	-1.416	11	Pass
	5670	-2.296	11	Pass
802.11ac20	5500	-1.094	11	Pass
	5600	0.720	11	Pass
	5700	-0.262	11	Pass
802.11ac40	5510	-3.227	11	Pass
	5590	-1.666	11	Pass
	5670	-2.624	11	Pass
802.11ax20	5500	-1.086	11	Pass
	5600	0.419	11	Pass
	5700	-0.296	11	Pass
802.11ax40	5510	-3.267	11	Pass
	5590	-1.795	11	Pass
	5670	-2.285	11	Pass

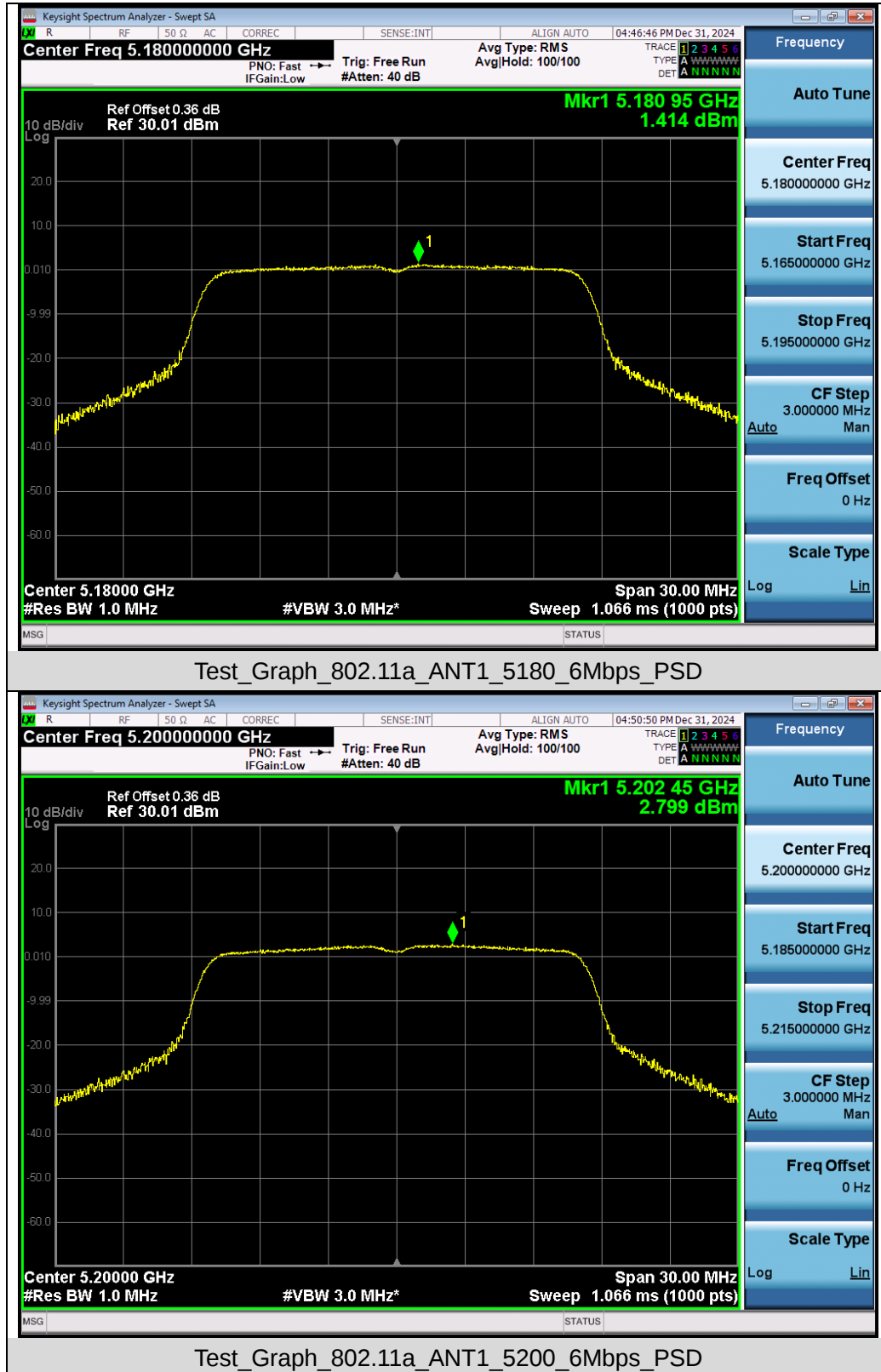
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Test Data of Conducted Output Power Density for band 5.725-5.85 GHz-ANT 1					
Test Mode	Test Channel (MHz)	Average Power Density (dBm/100kHz)	Average Power Density (dBm/500kHz)	Limits (dBm/500kHz)	Pass or Fail
802.11a	5745	-5.579	1.411	30	Pass
	5785	-6.981	0.009	30	Pass
	5825	-8.576	-1.586	30	Pass
802.11n20	5745	-7.433	-0.443	30	Pass
	5785	-8.555	-1.565	30	Pass
	5825	-9.580	-2.590	30	Pass
802.11n40	5755	-10.375	-3.385	30	Pass
	5795	-11.629	-4.639	30	Pass
802.11ac20	5745	-6.988	0.002	30	Pass
	5785	-8.422	-1.432	30	Pass
	5825	-9.640	-2.650	30	Pass
802.11ac40	5755	-10.228	-3.238	30	Pass
	5795	-11.701	-4.711	30	Pass
802.11ax20	5745	-8.242	-1.252	30	Pass
	5785	-9.572	-2.582	30	Pass
	5825	-11.080	-4.090	30	Pass
802.11ax40	5755	-11.471	-4.481	30	Pass
	5795	-12.603	-5.613	30	Pass

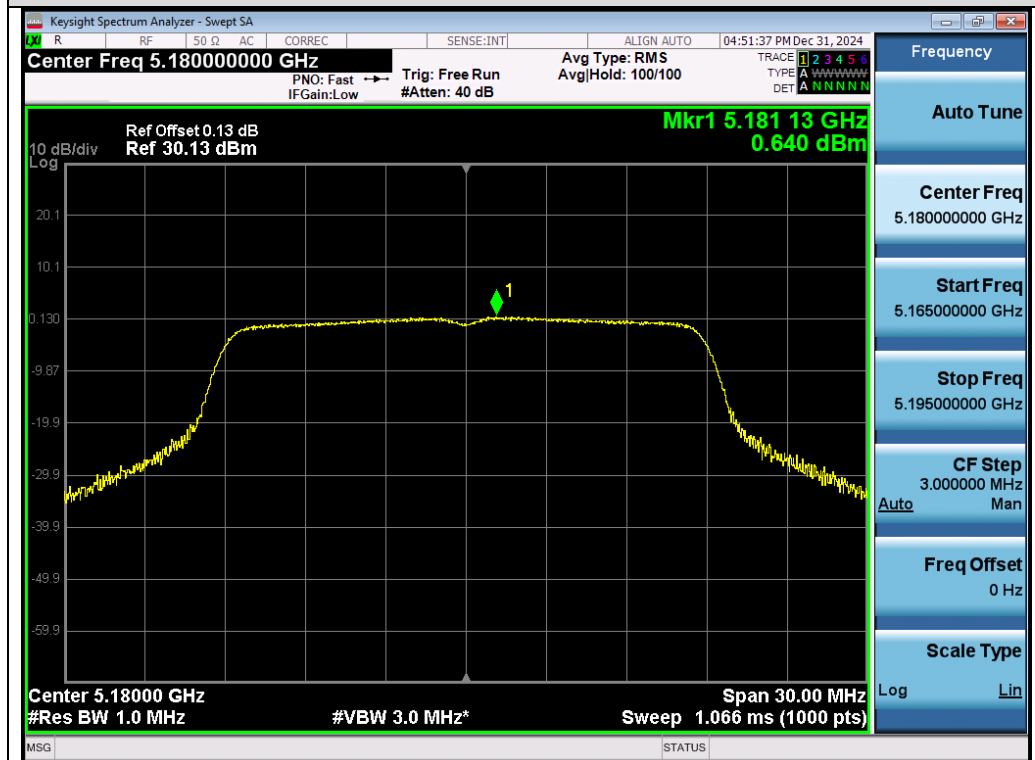
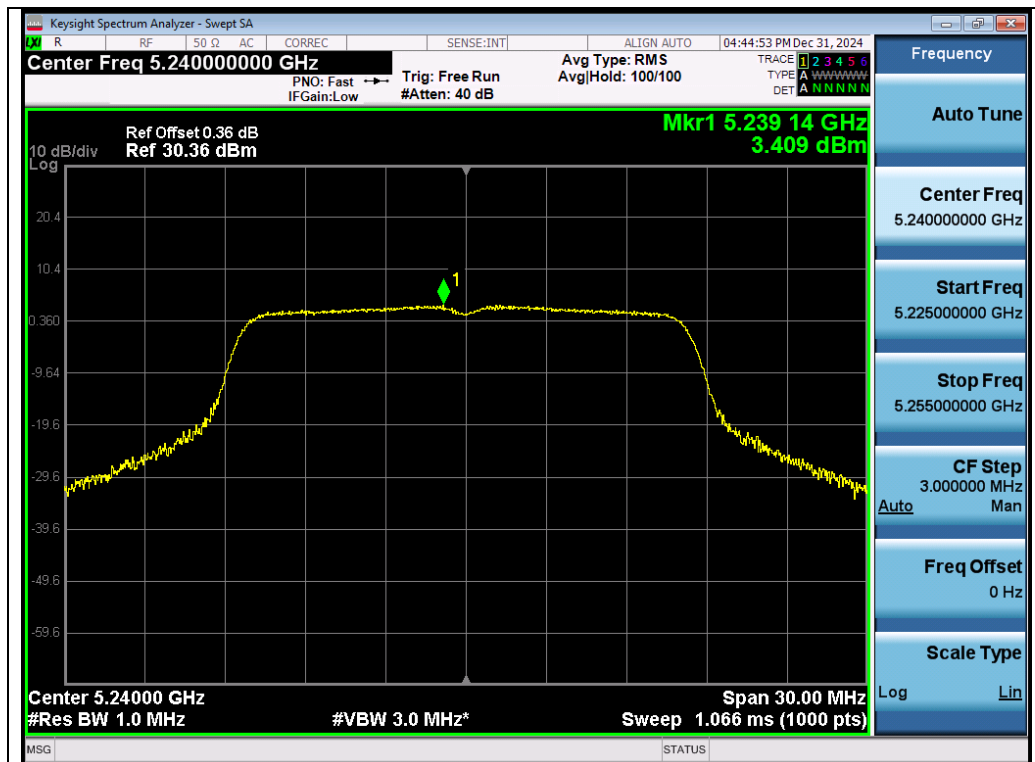
Note:1.Power density(dBm/500kHz) = Power density(dBm/100kHz)+10*log(500/100).

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

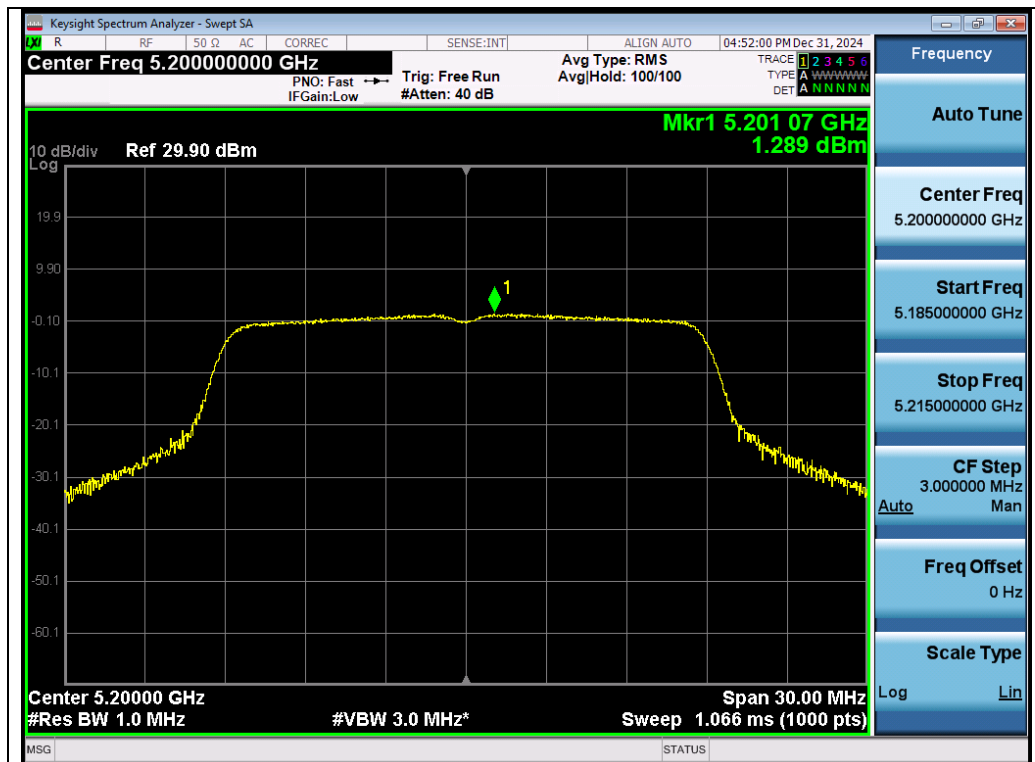


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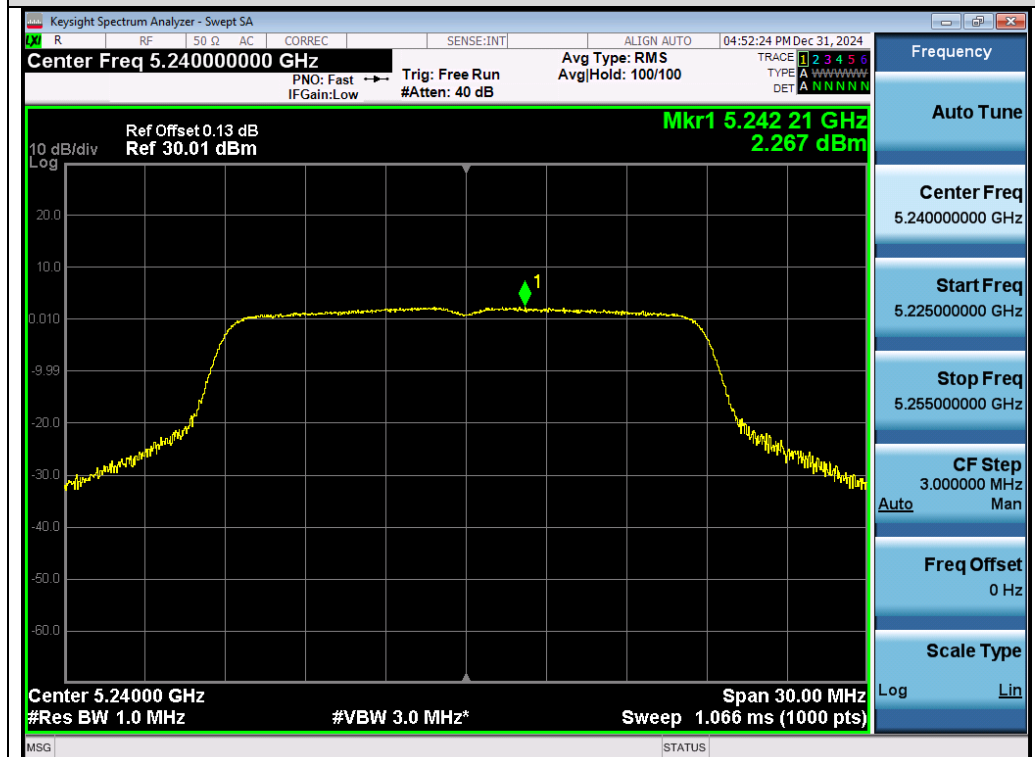


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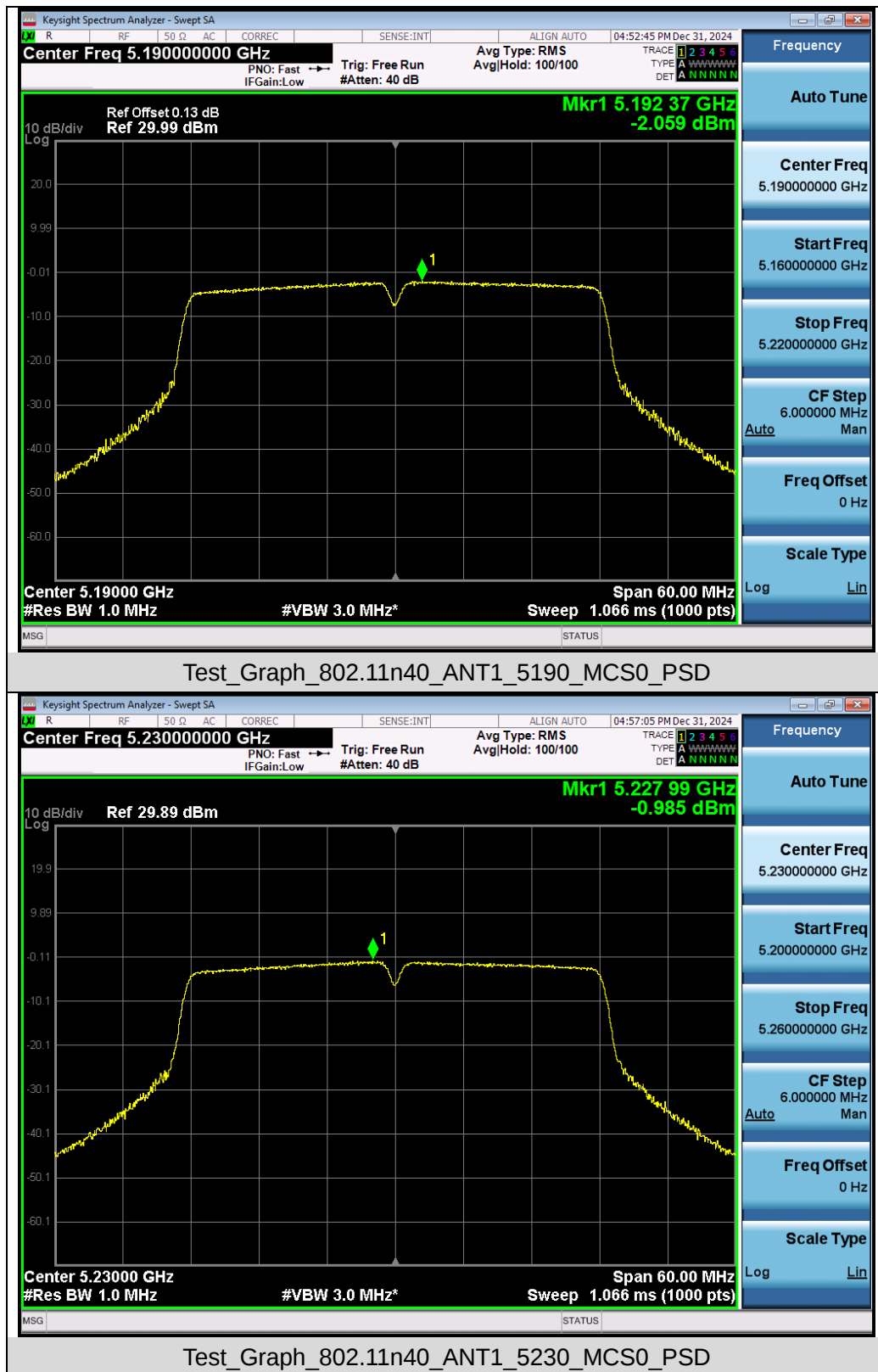
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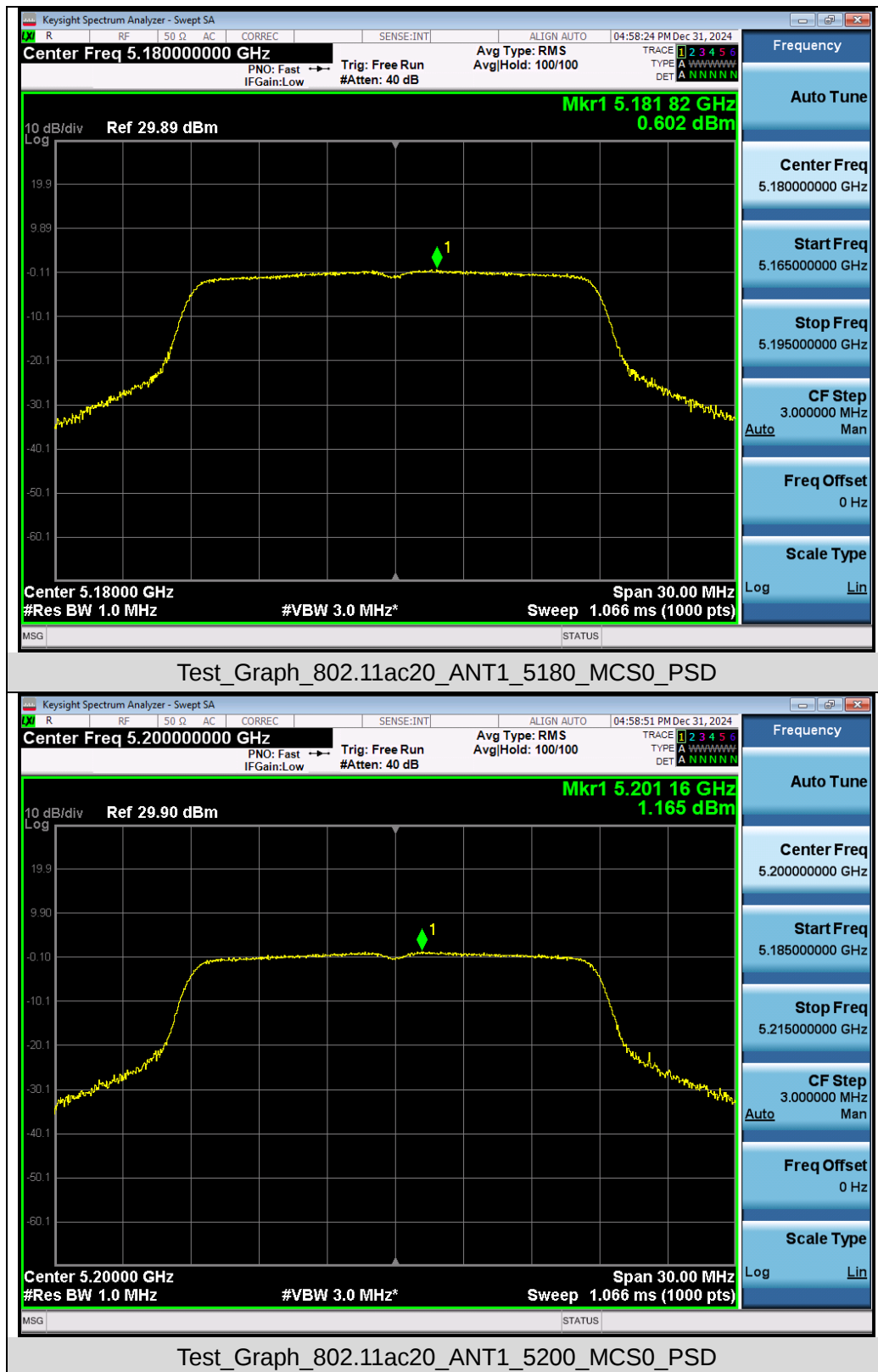
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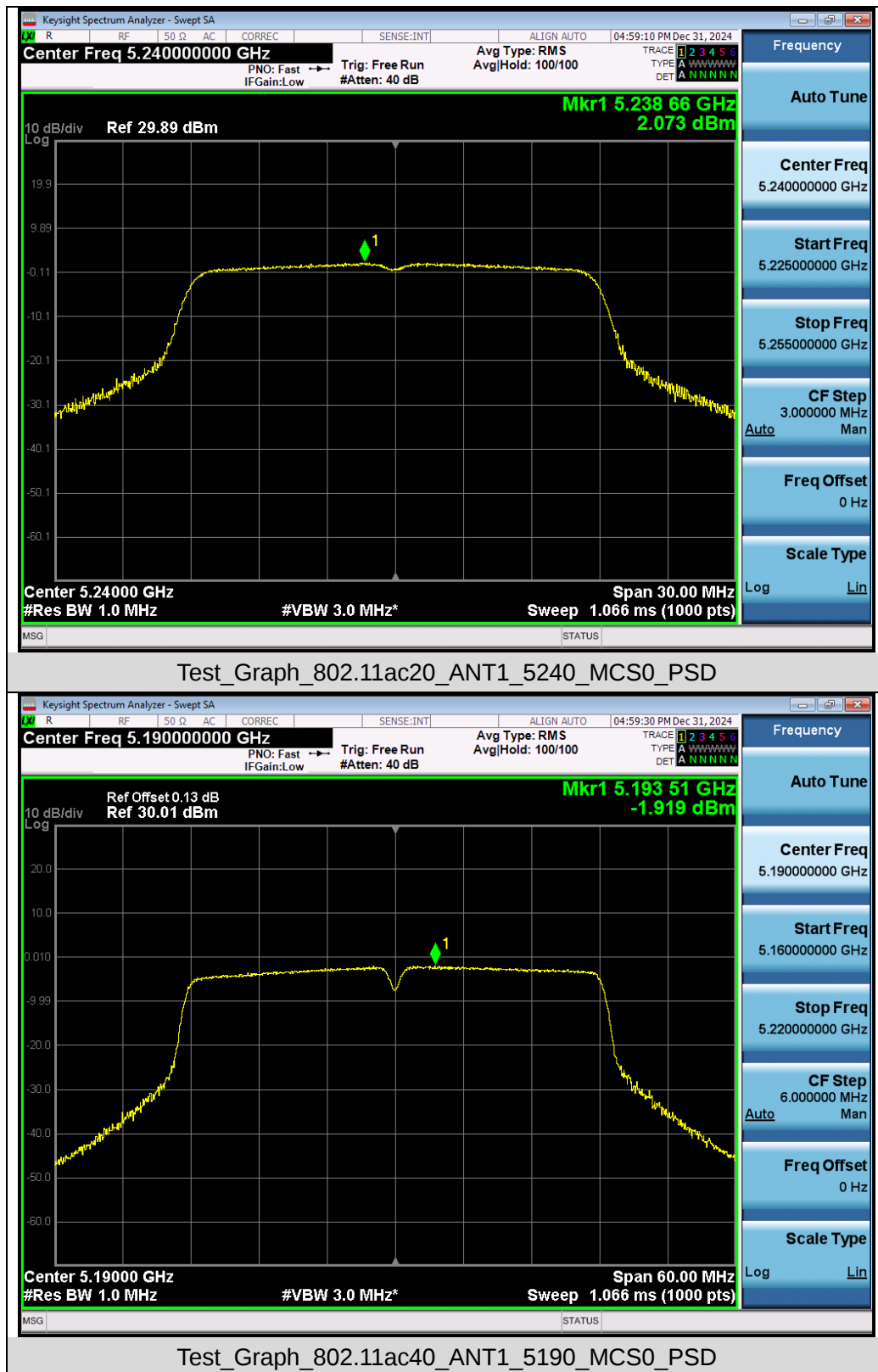
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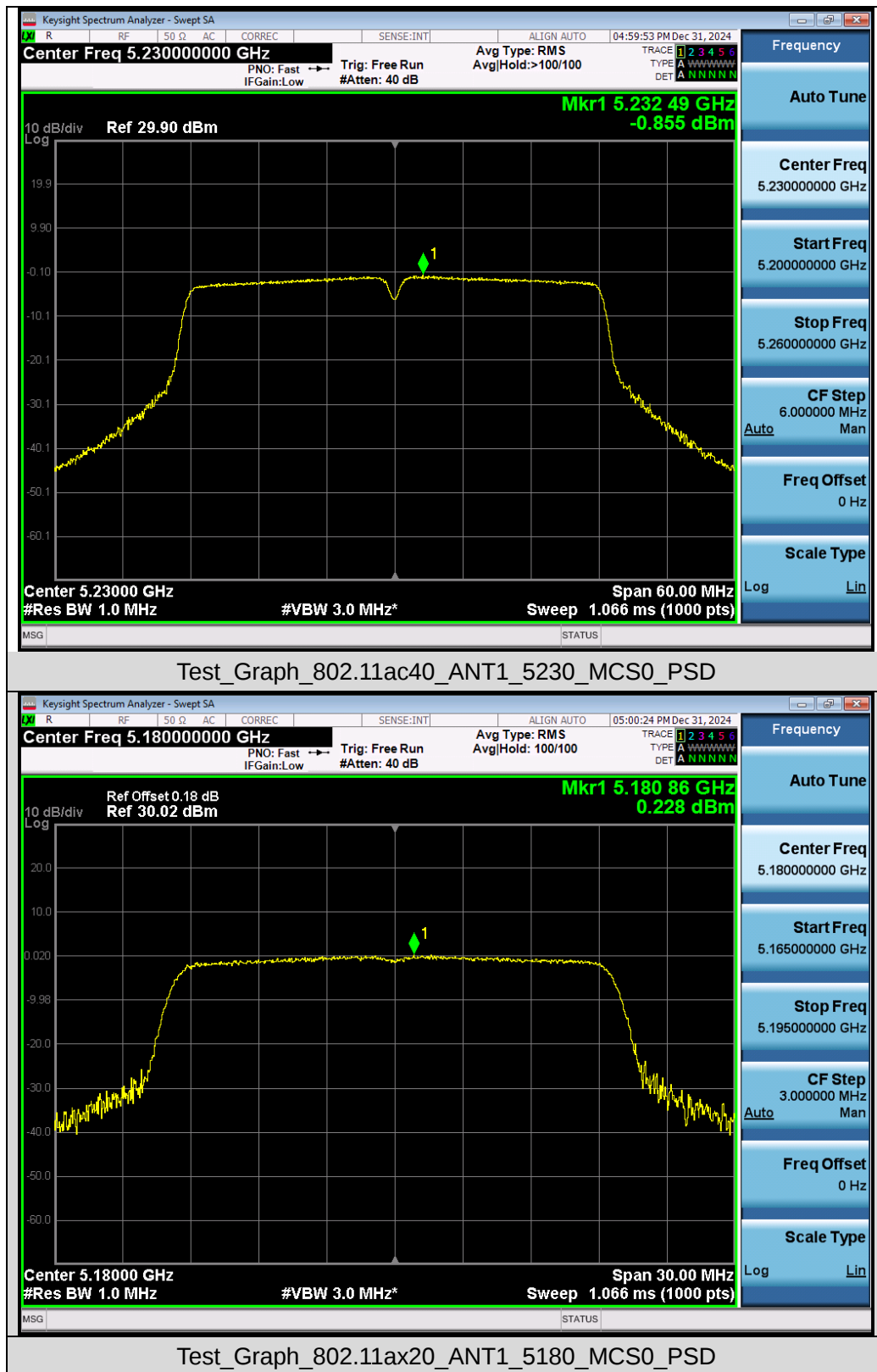
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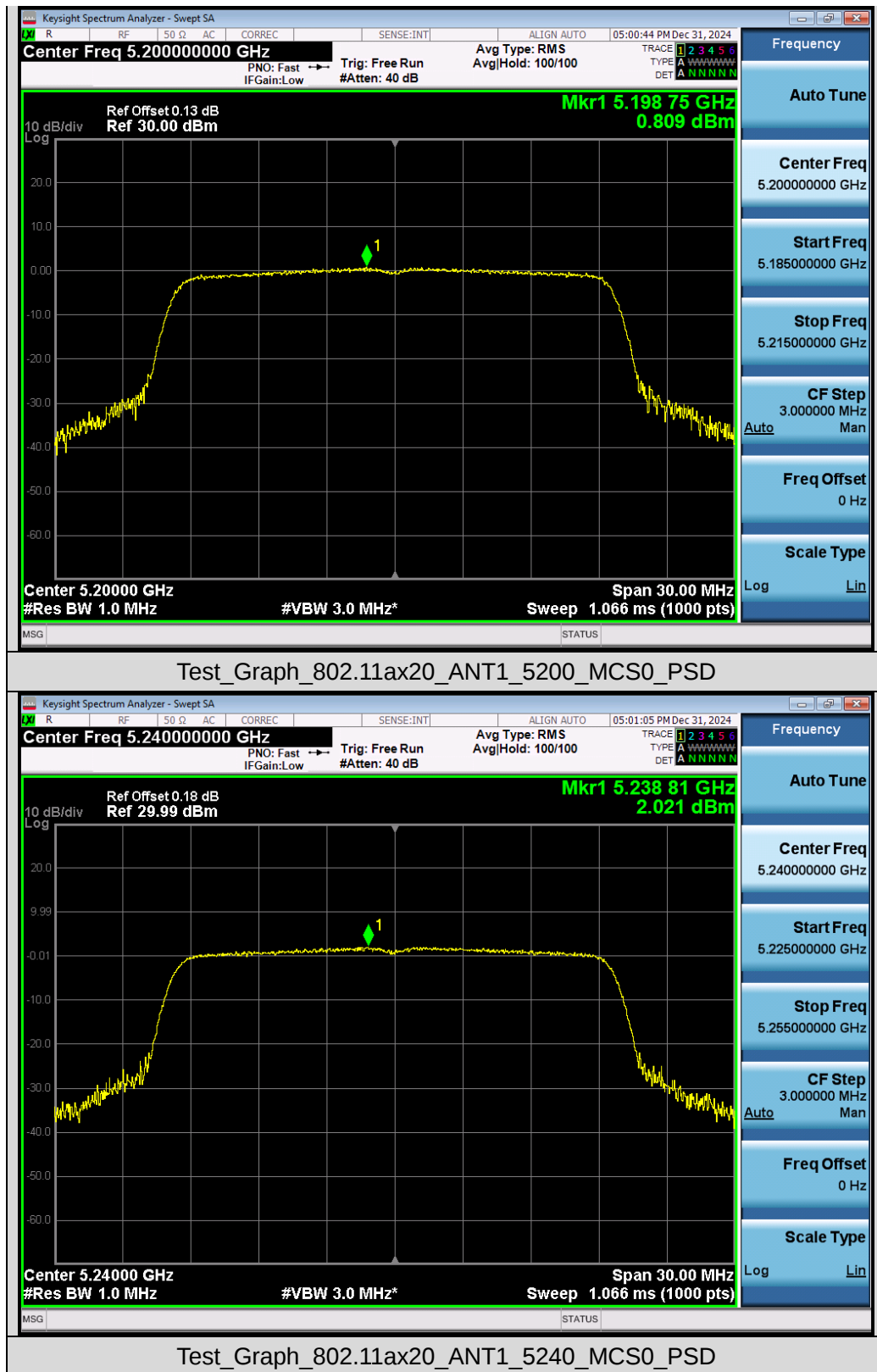
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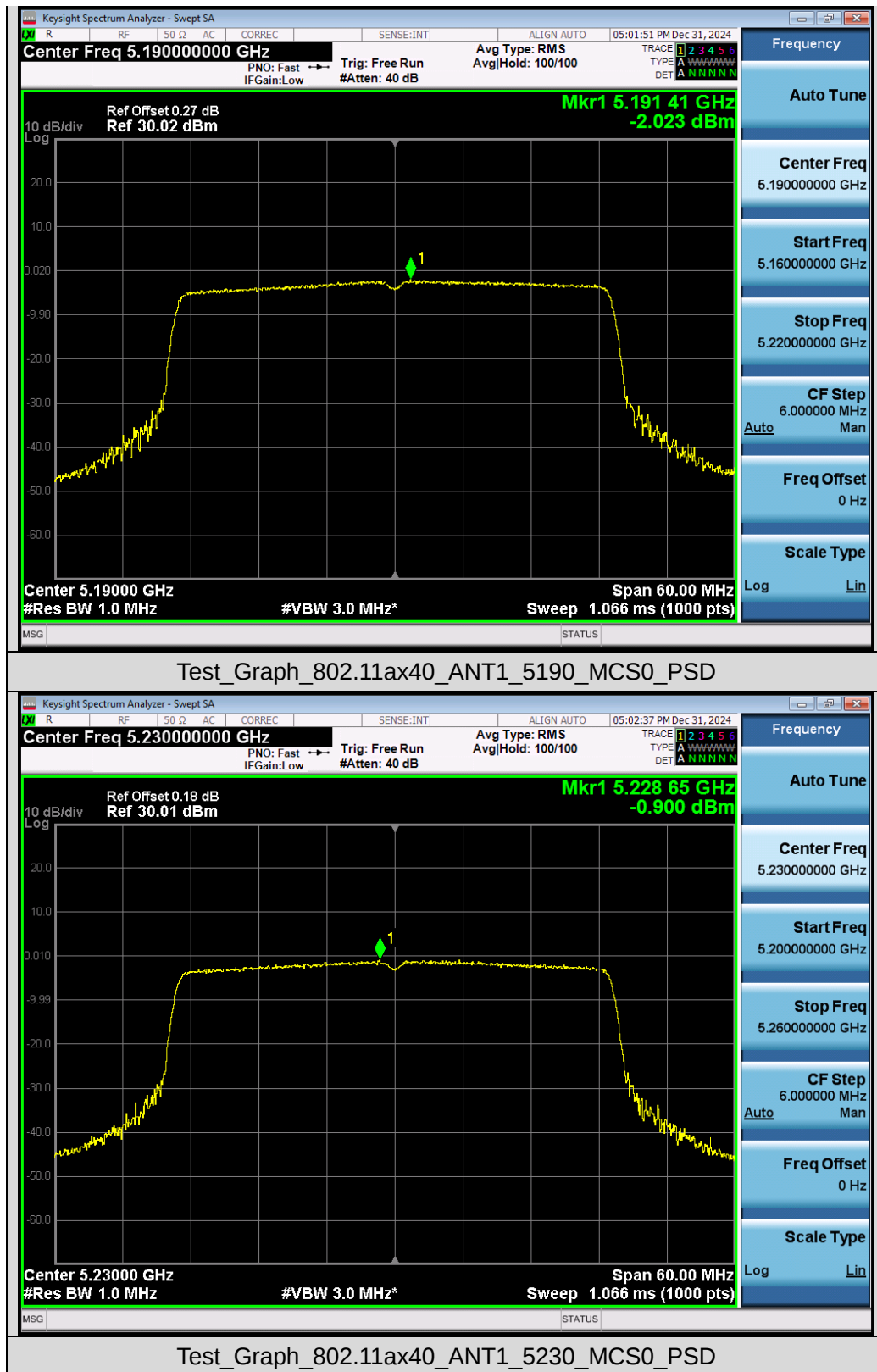
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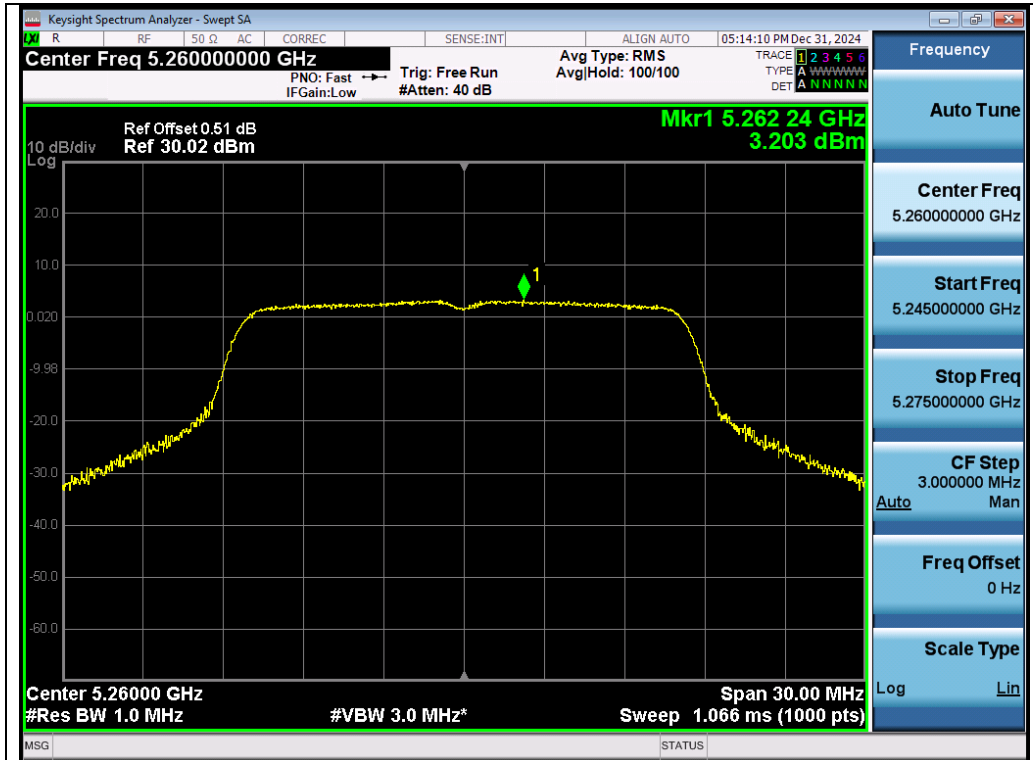
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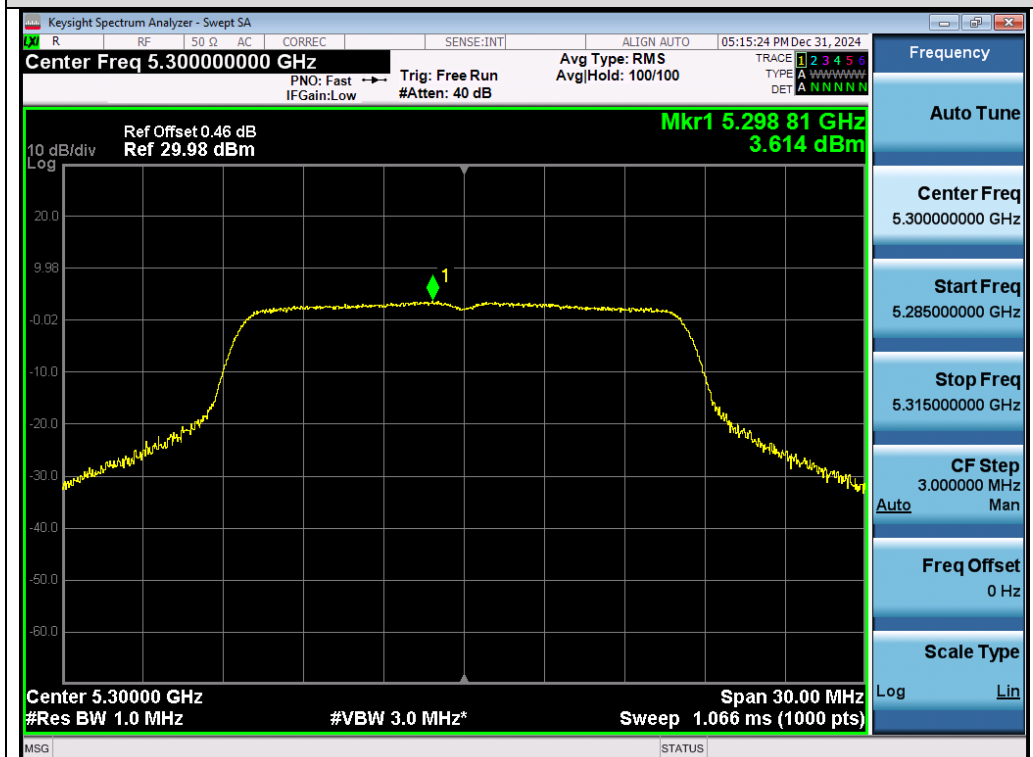
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Test Graphs of Conducted Output Power Spectral Density for band 5.25-5.35 GHz

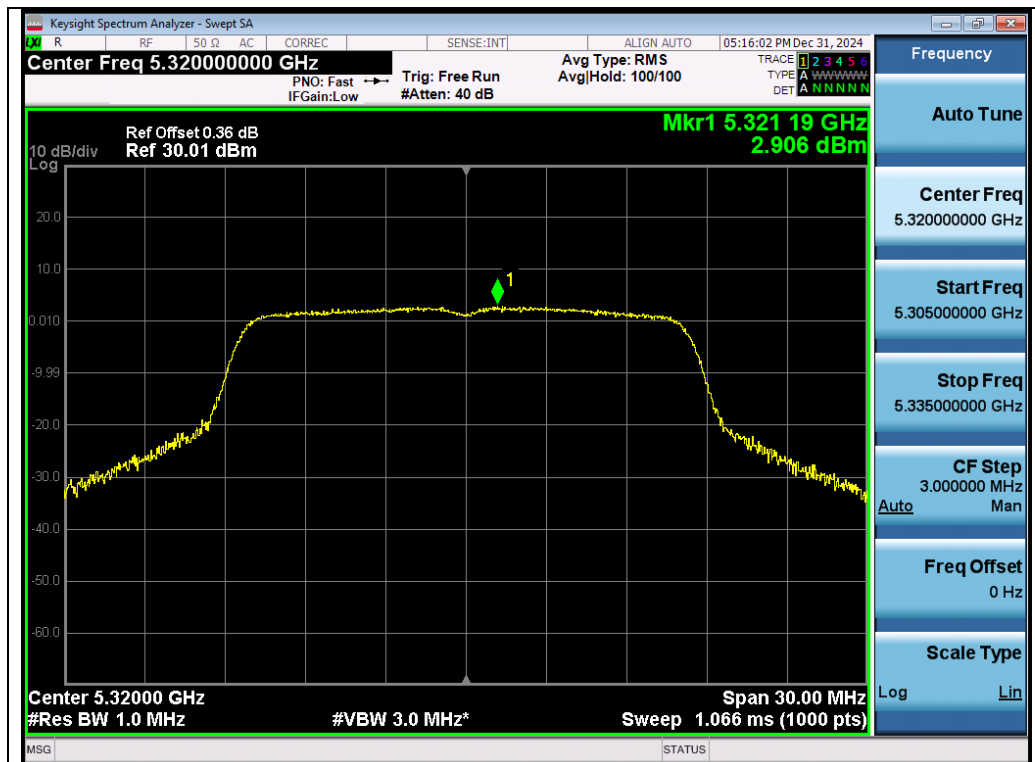


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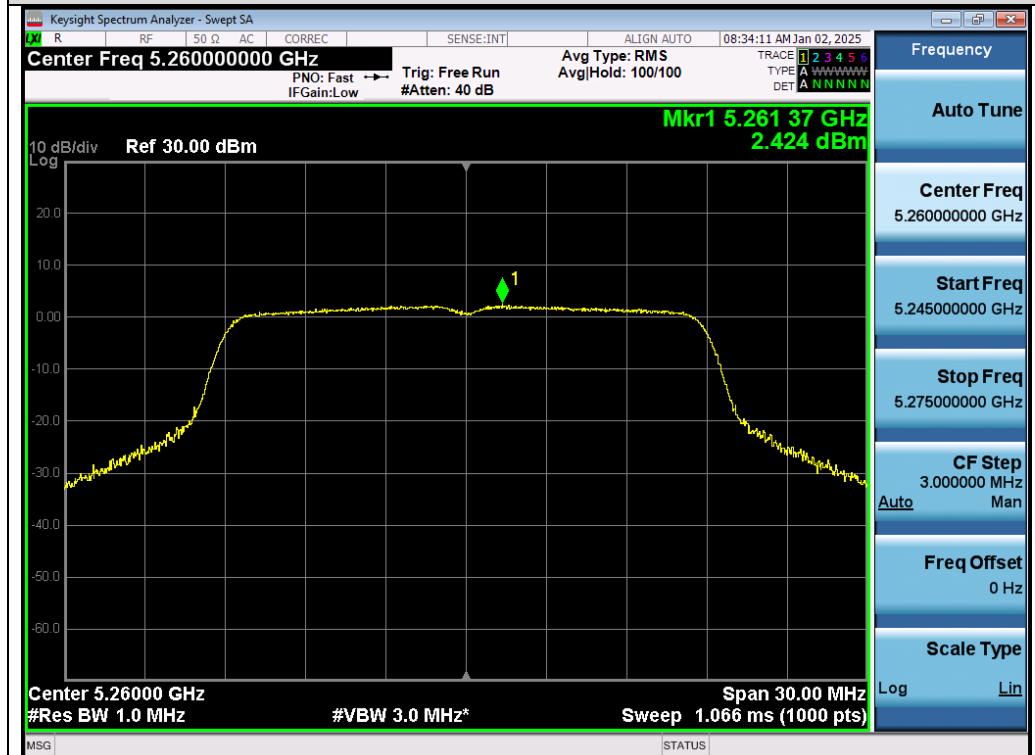


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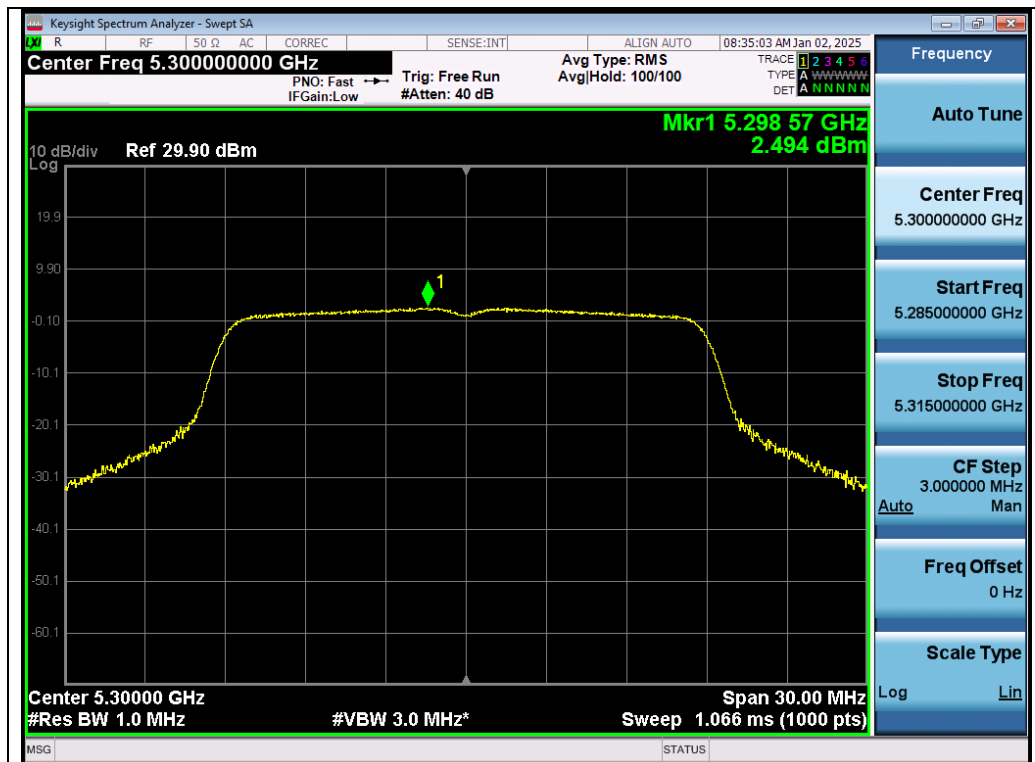
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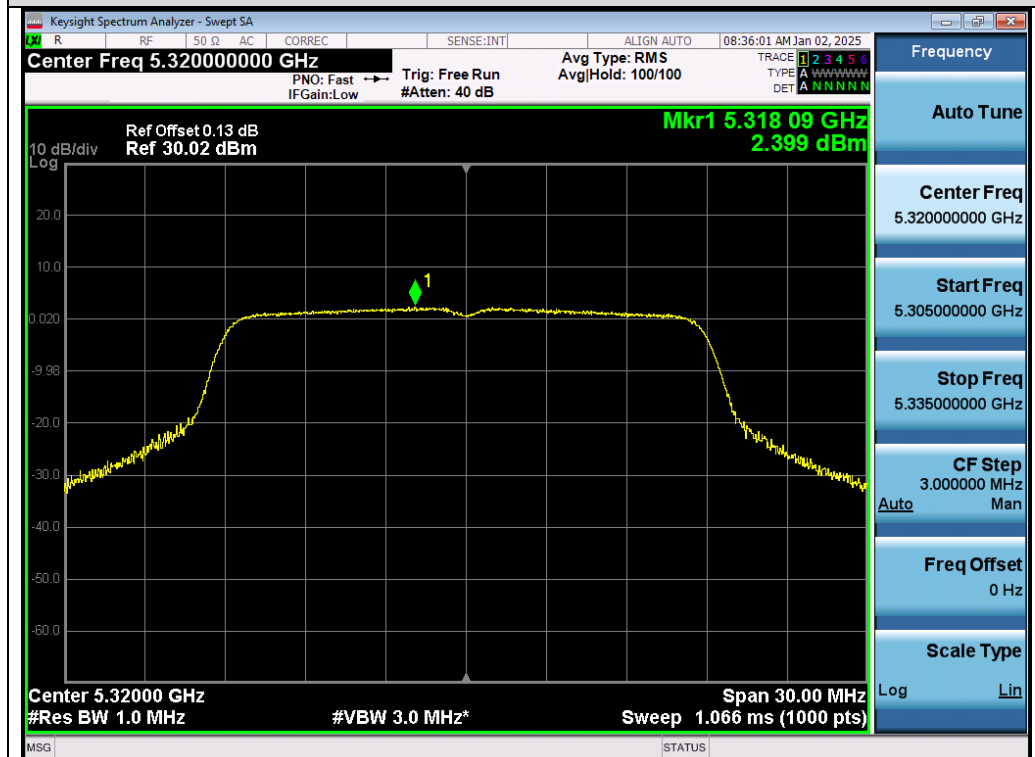
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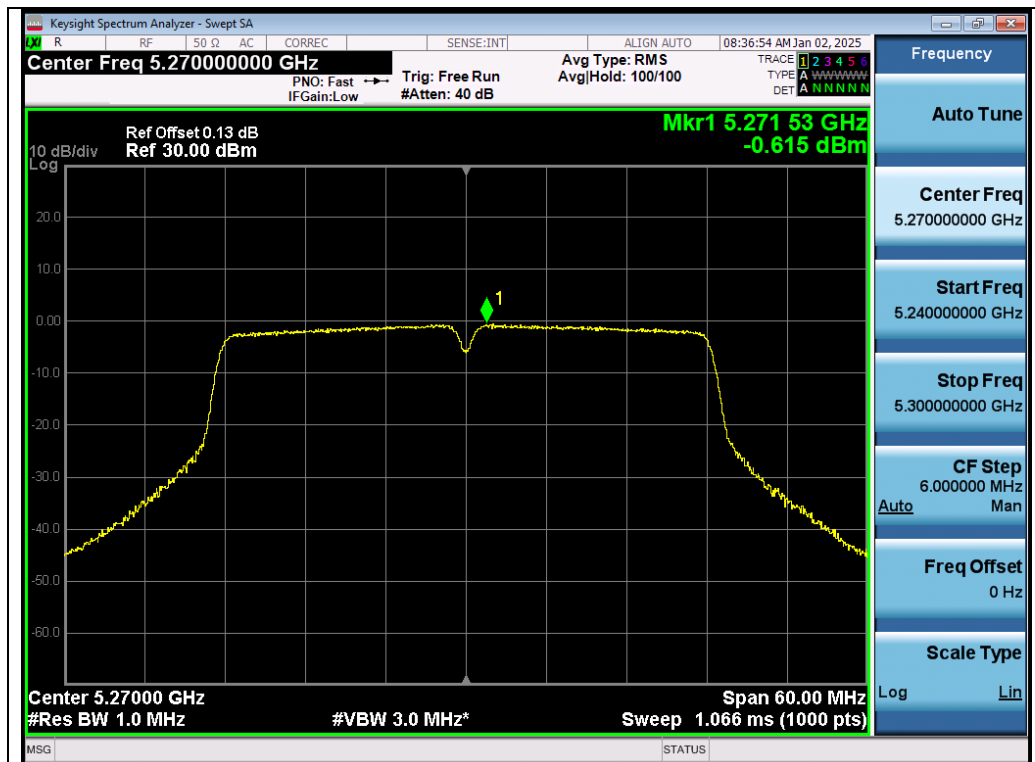
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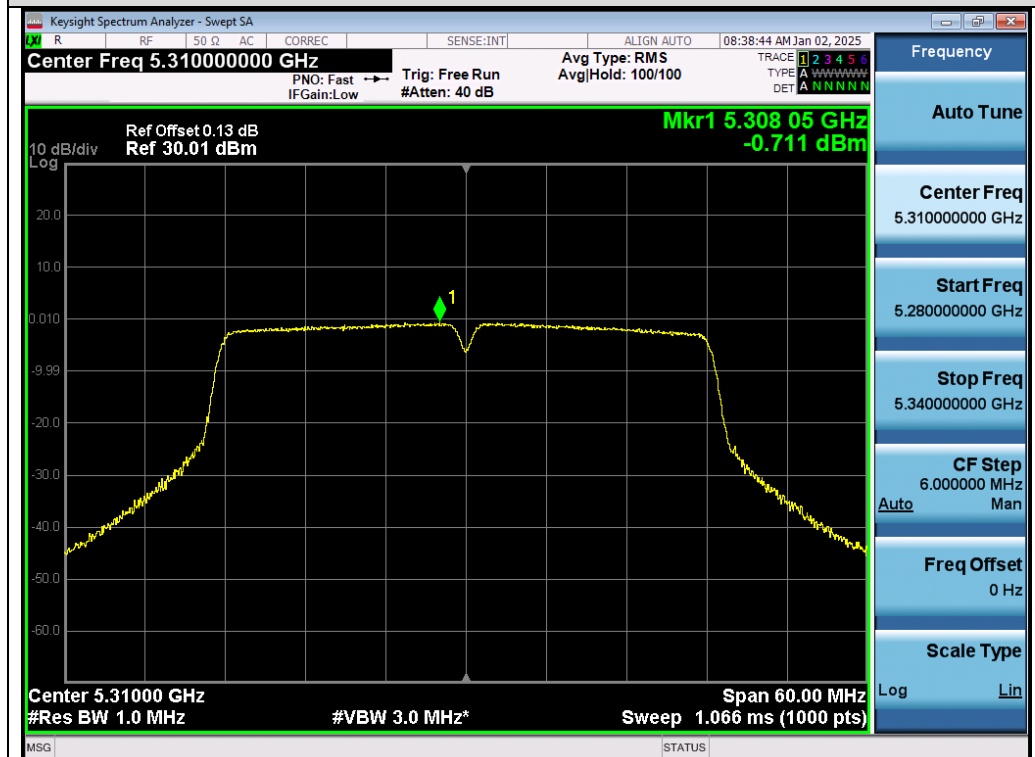
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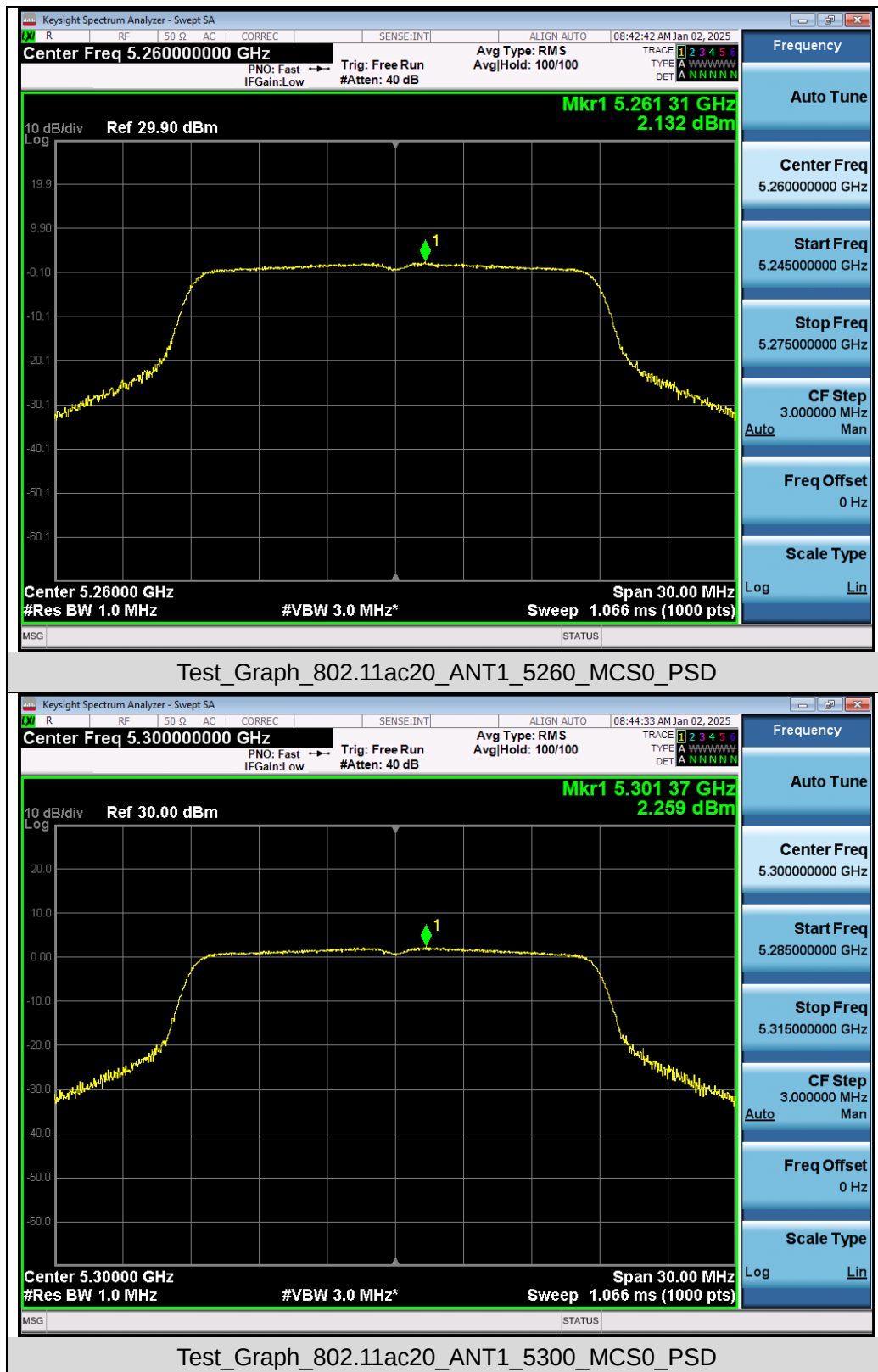
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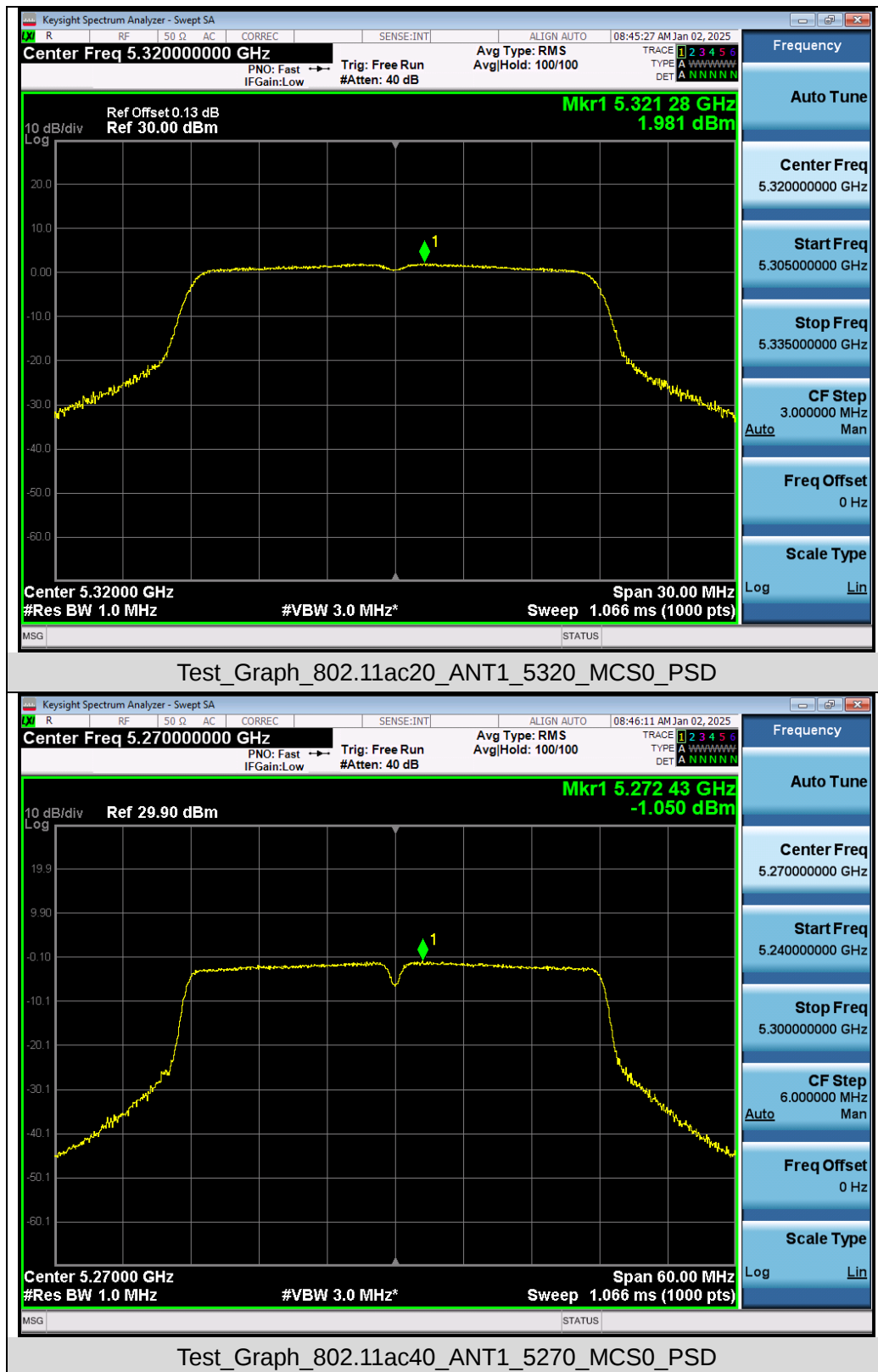
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