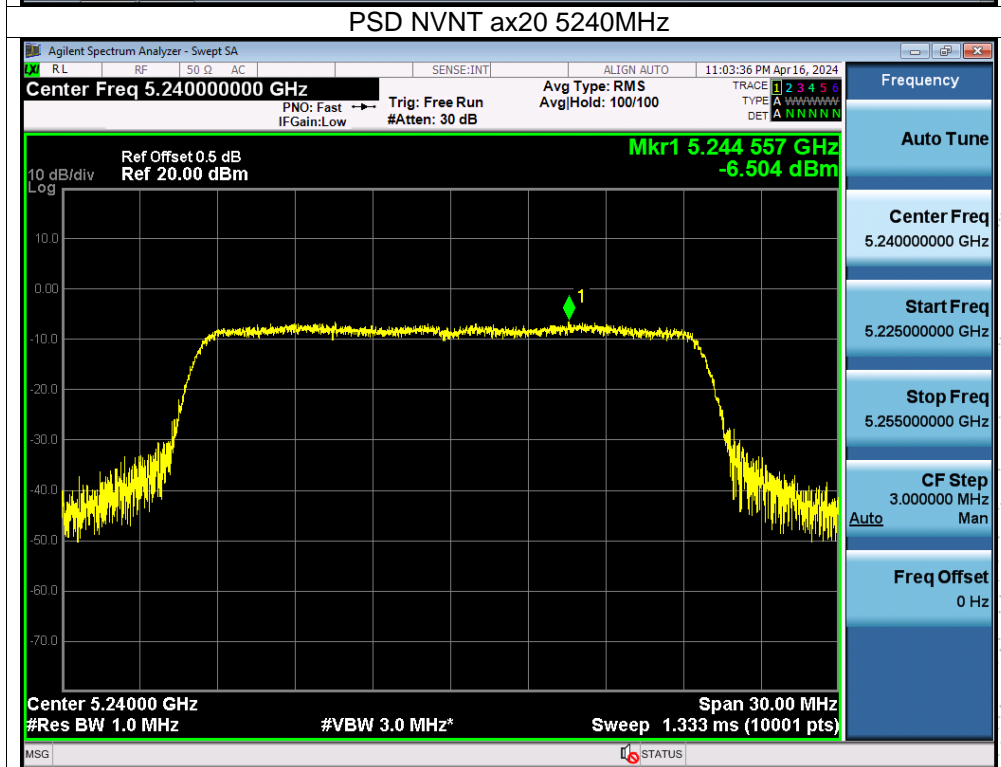
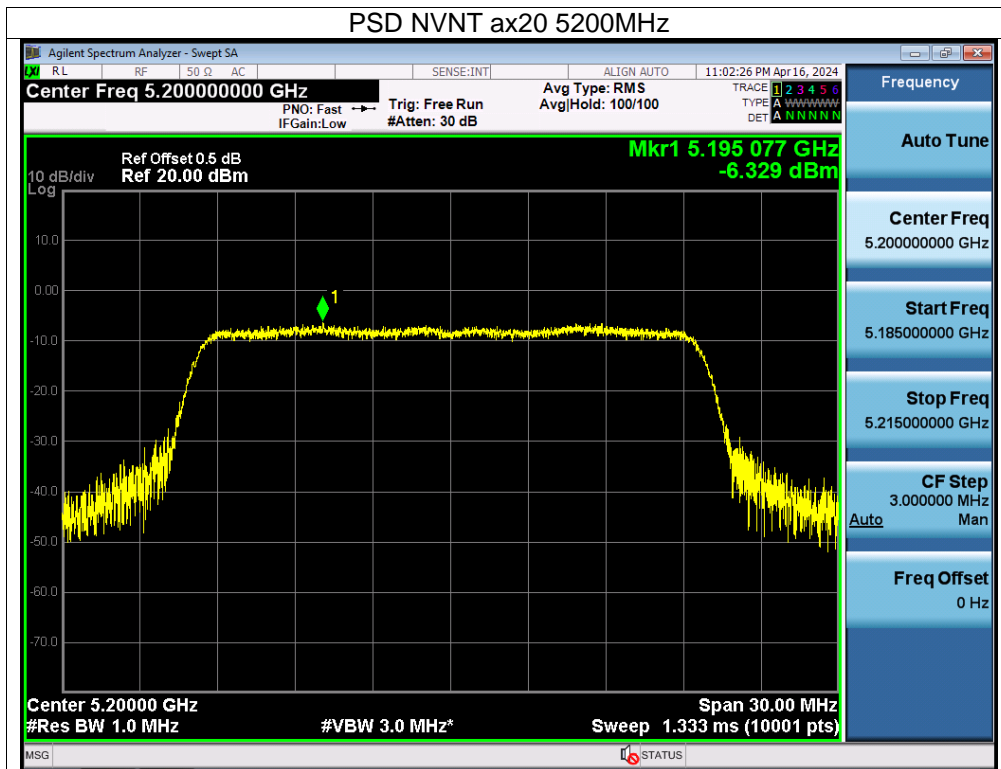
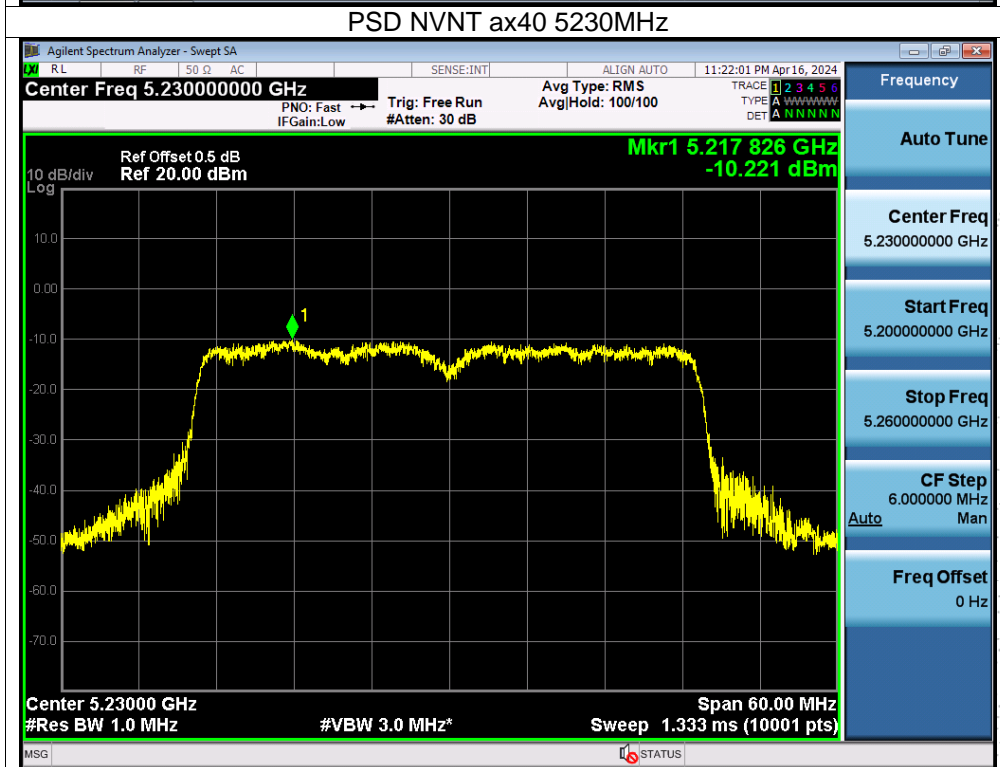
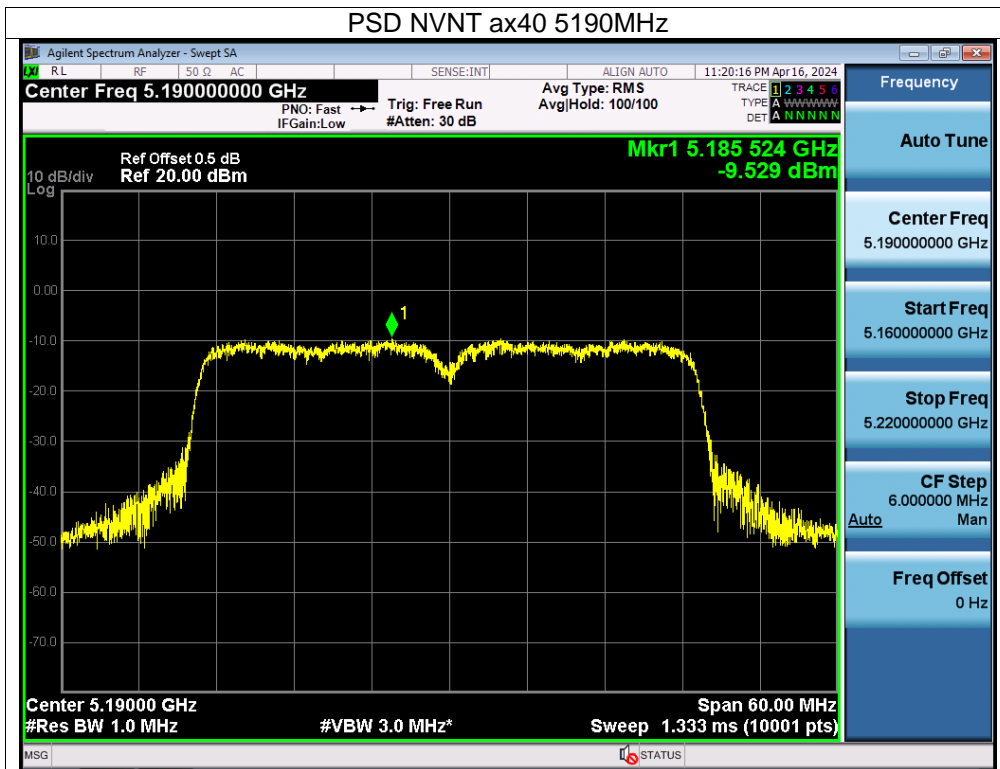


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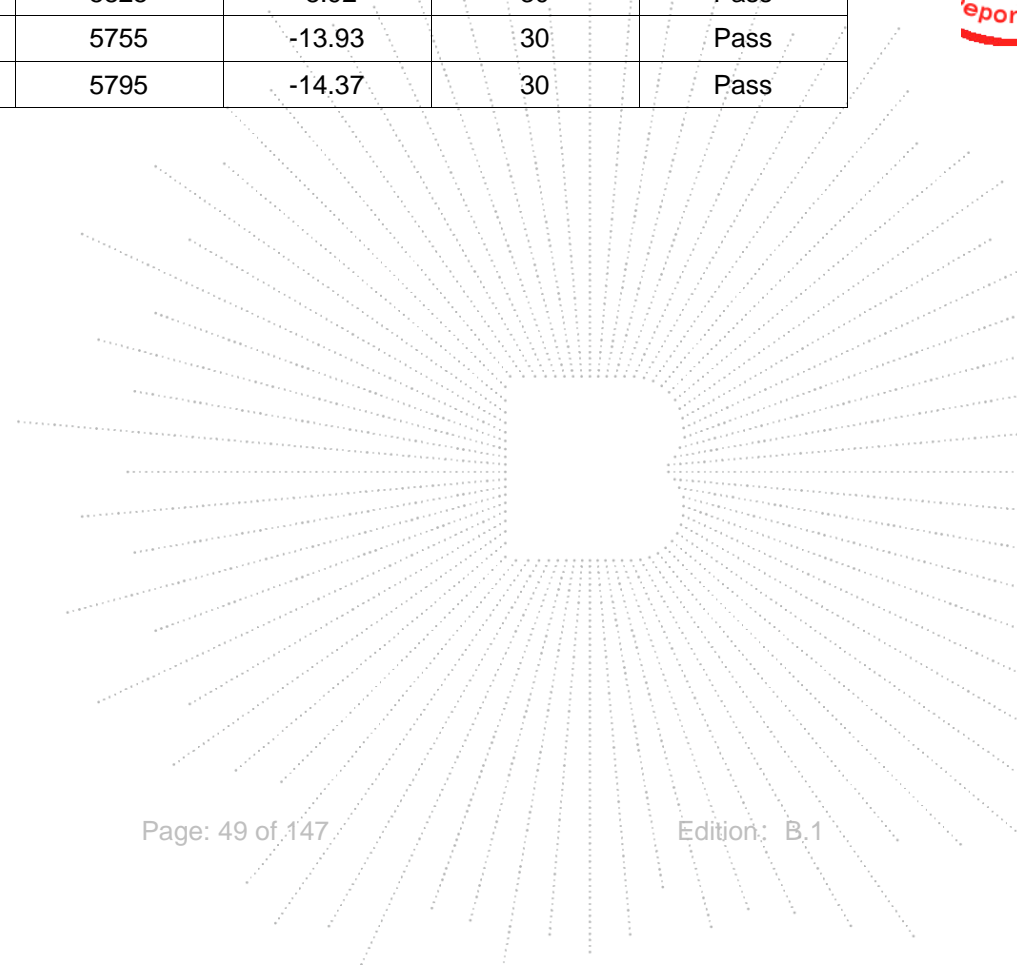
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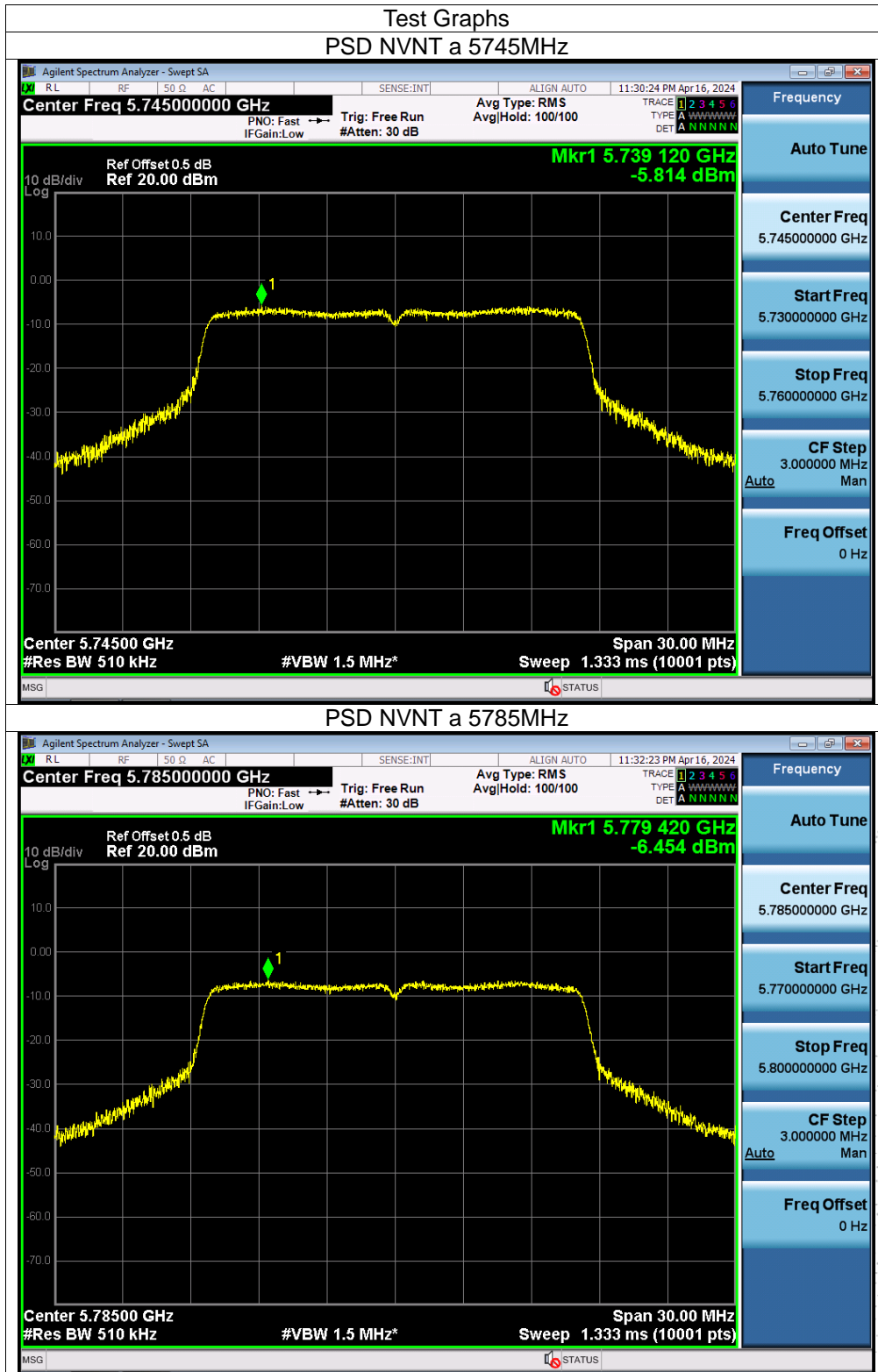


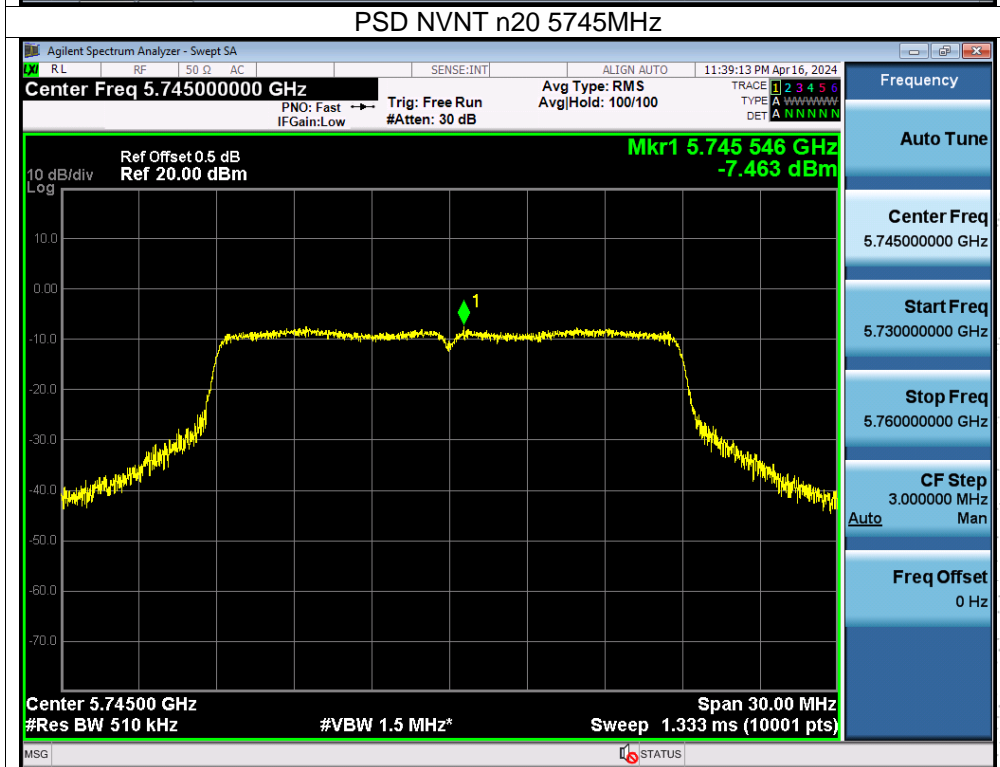
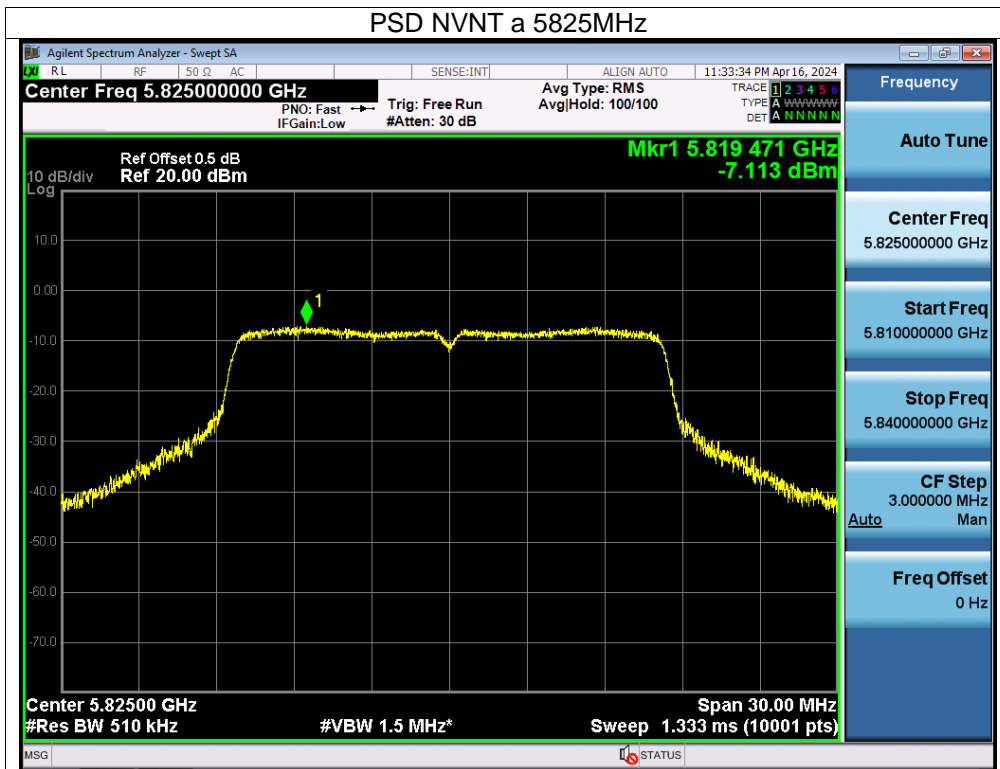
Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Test Voltage:	AC120V/60Hz
Test Mode:	(5745-5825MHz)		

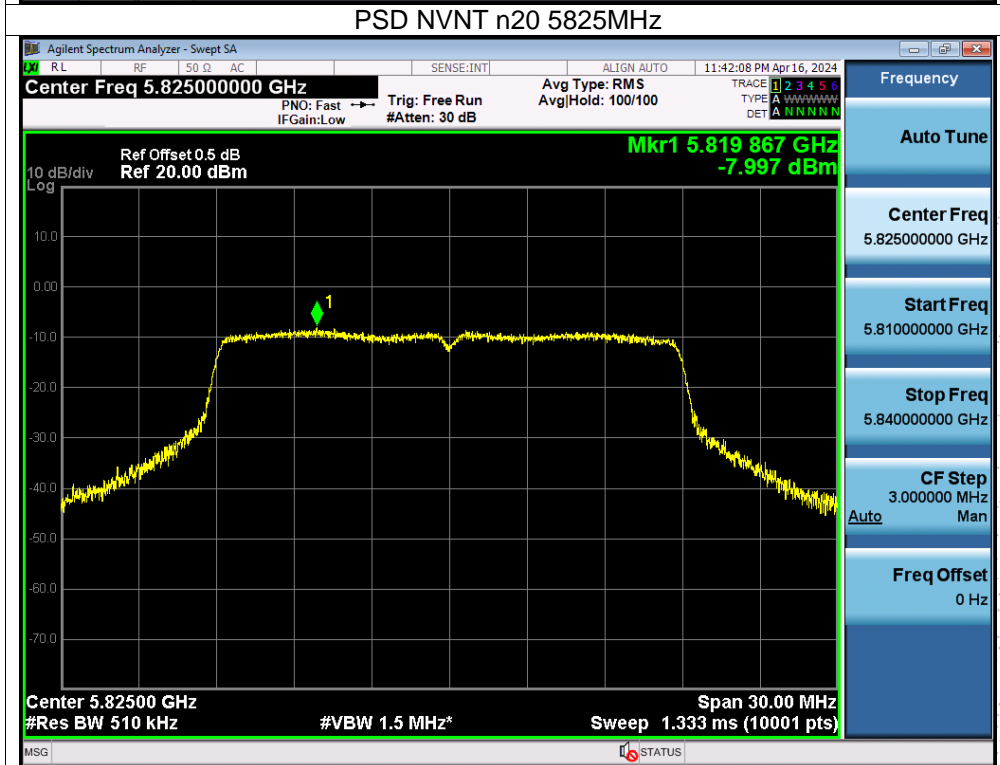
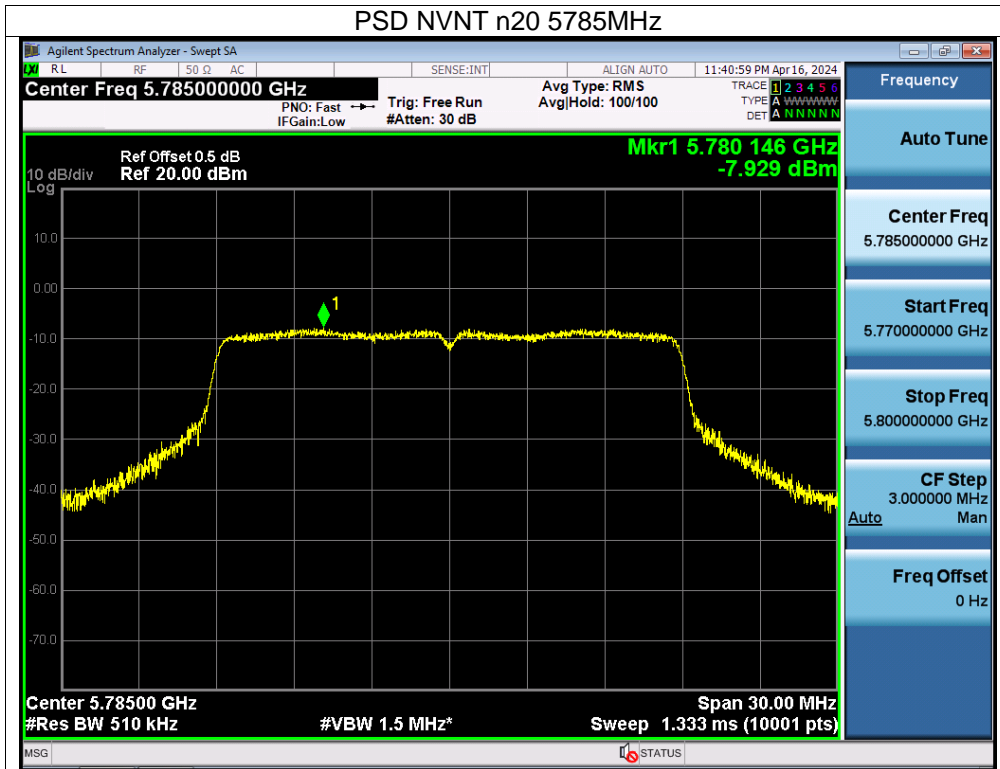
Condition	Mode	Frequency (MHz)	Conducted PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	-5.81	30	Pass
NVNT	a	5785	-6.45	30	Pass
NVNT	a	5825	-7.11	30	Pass
NVNT	n20	5745	-7.46	30	Pass
NVNT	n20	5785	-7.93	30	Pass
NVNT	n20	5825	-8.00	30	Pass
NVNT	n40	5755	-13.95	30	Pass
NVNT	n40	5795	-14.47	30	Pass
NVNT	ac20	5745	-7.46	30	Pass
NVNT	ac20	5785	-7.86	30	Pass
NVNT	ac20	5825	-8.39	30	Pass
NVNT	ac40	5755	-13.89	30	Pass
NVNT	ac40	5795	-14.38	30	Pass
NVNT	ax20	5745	-7.79	30	Pass
NVNT	ax20	5785	-7.87	30	Pass
NVNT	ax20	5825	-8.92	30	Pass
NVNT	ax40	5755	-13.93	30	Pass
NVNT	ax40	5795	-14.37	30	Pass

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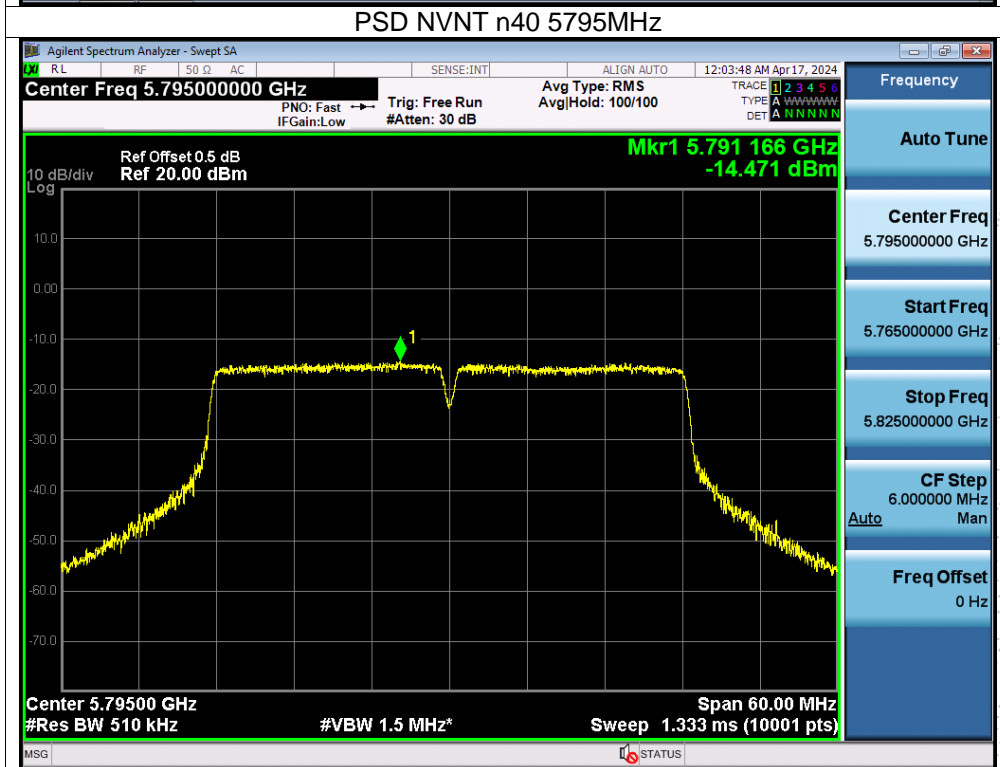
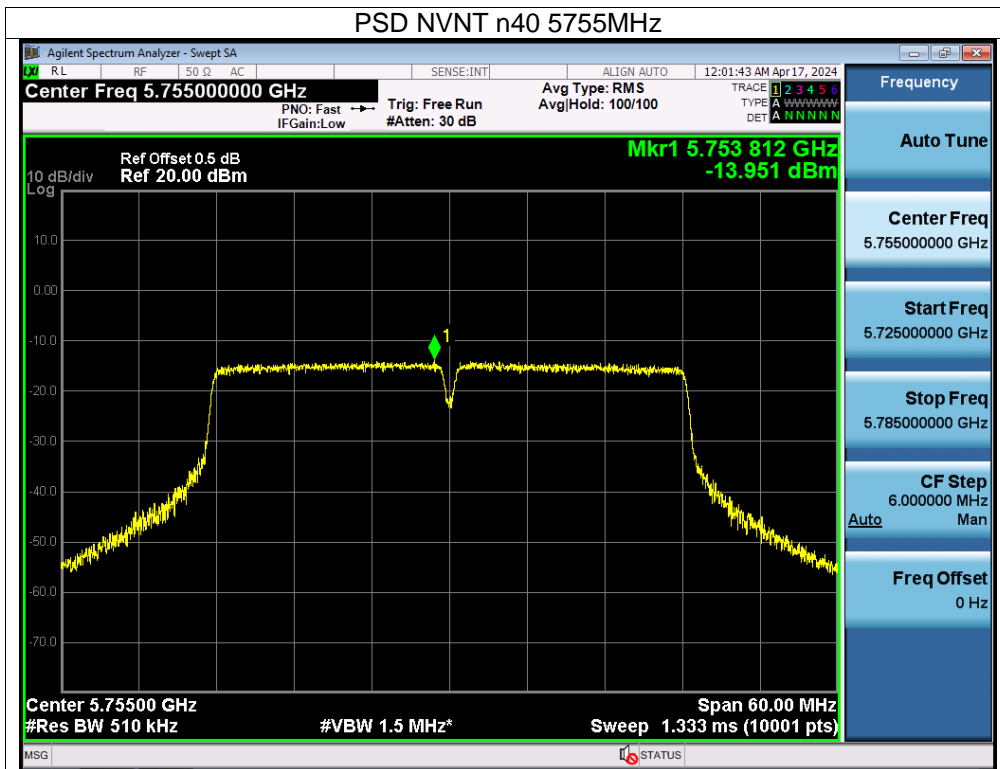




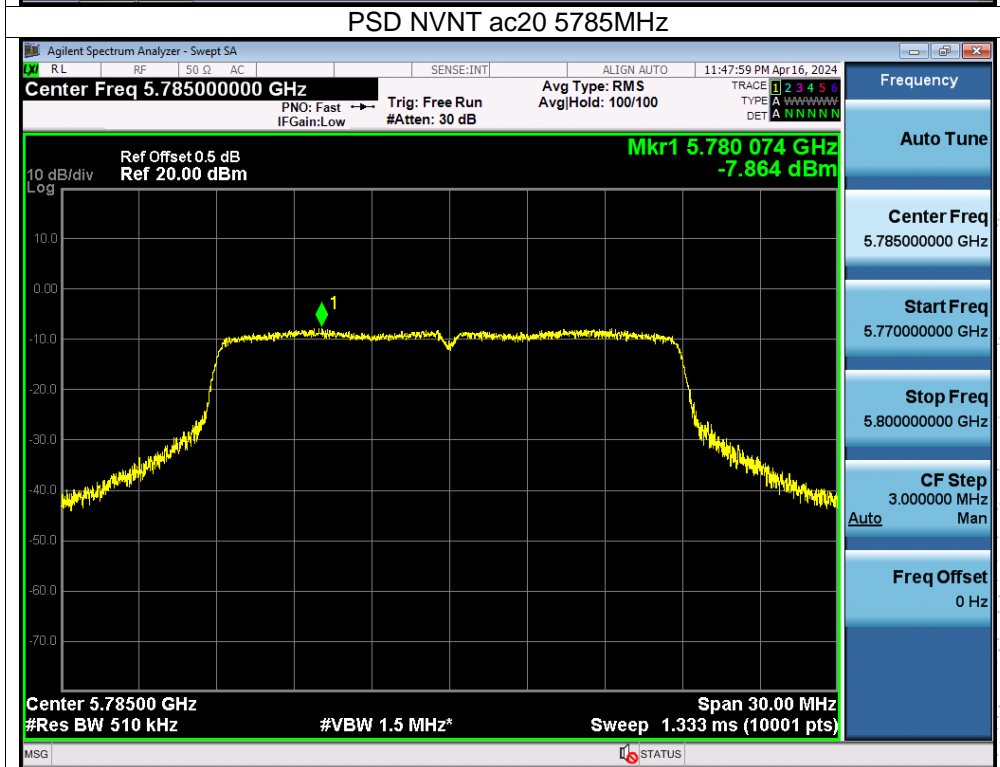
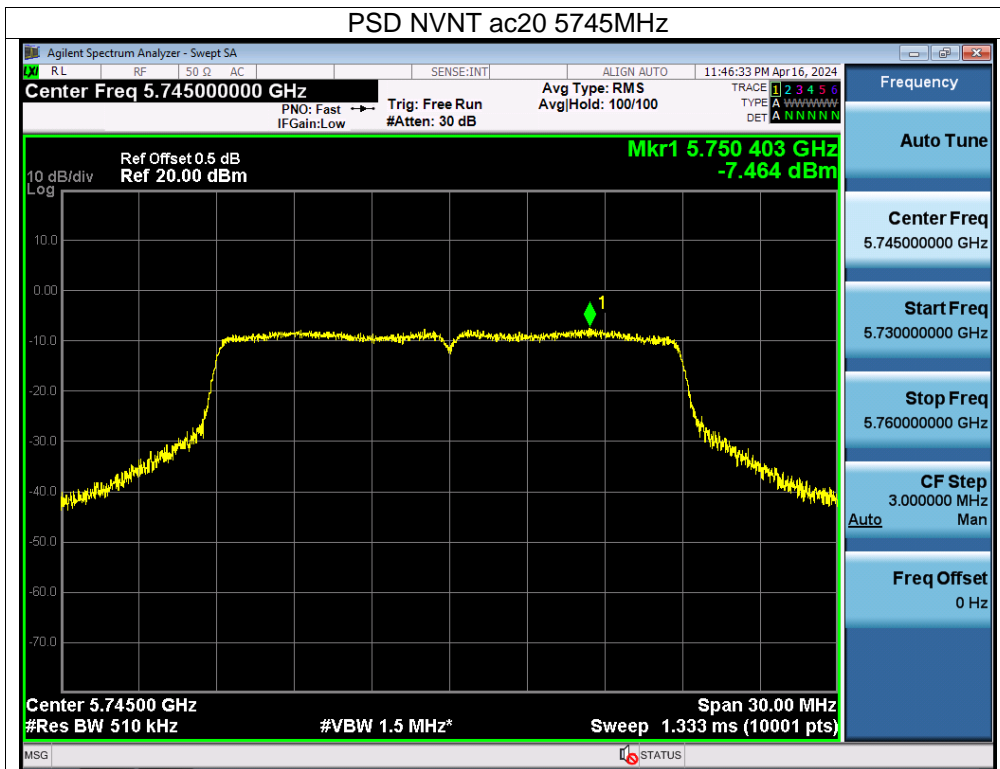


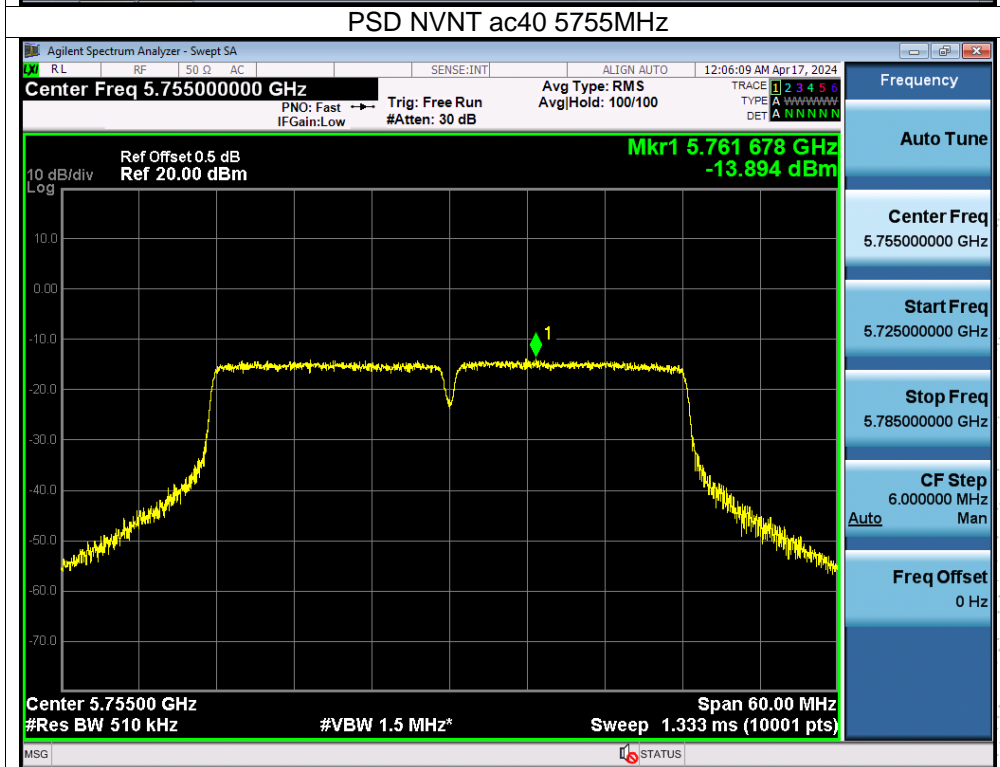
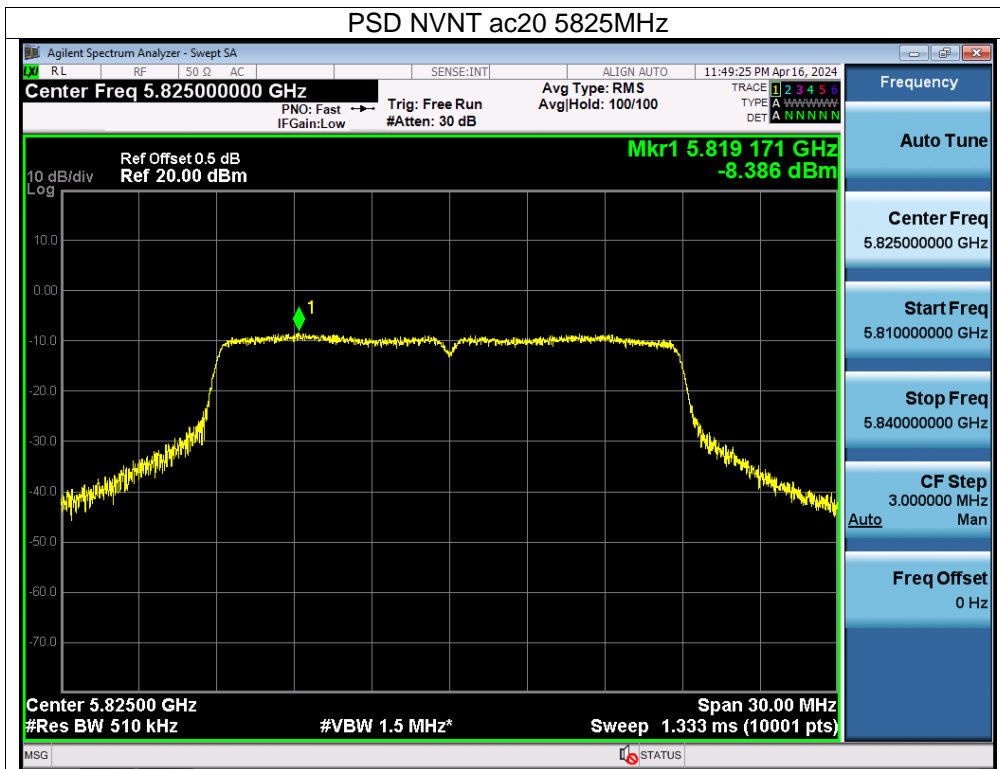


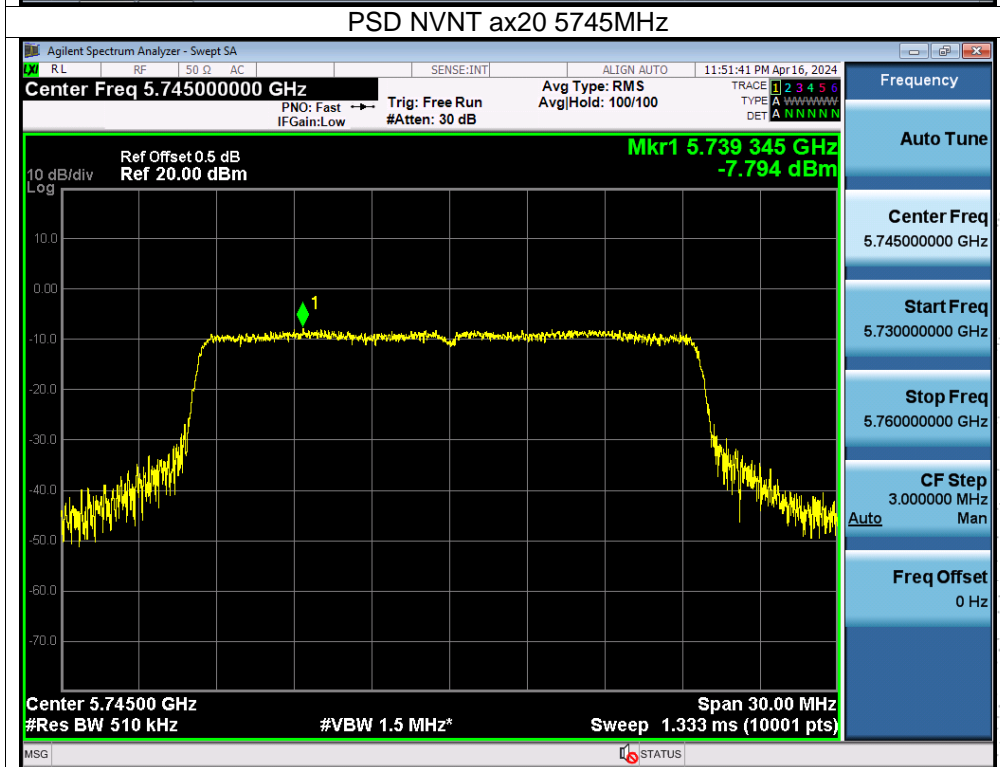
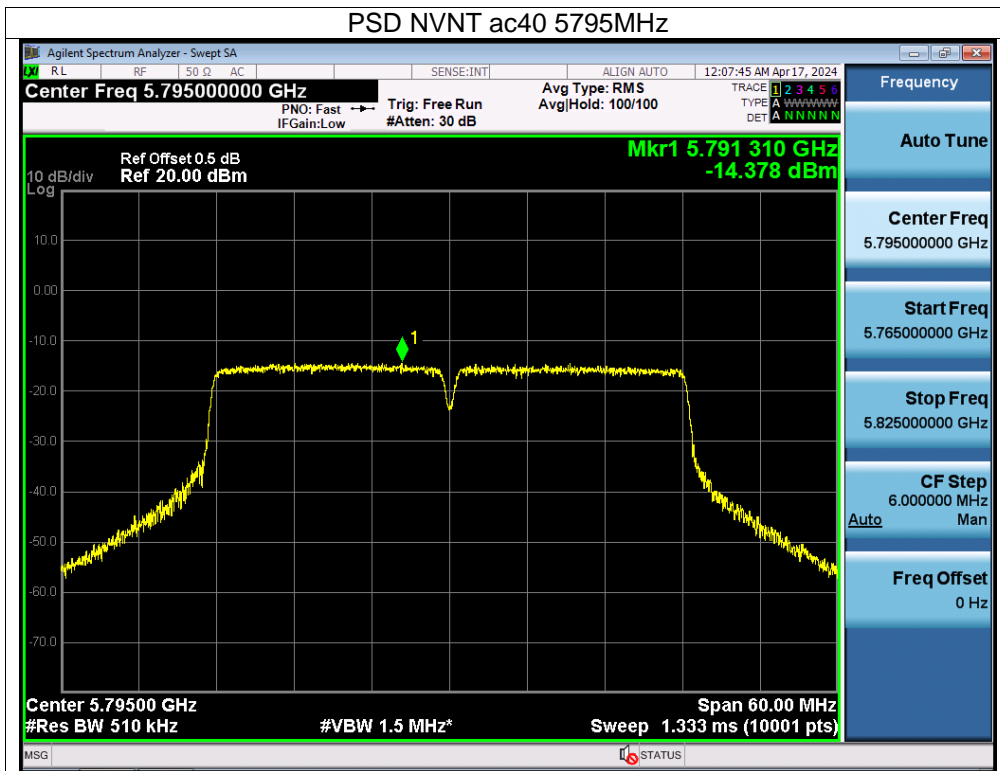
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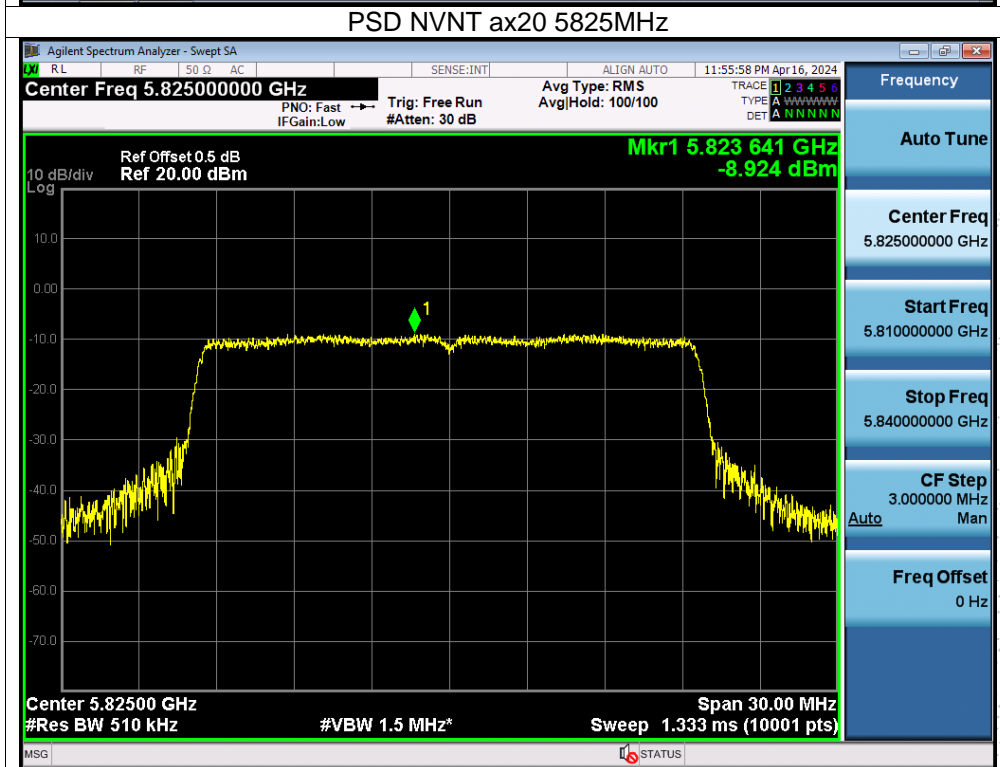
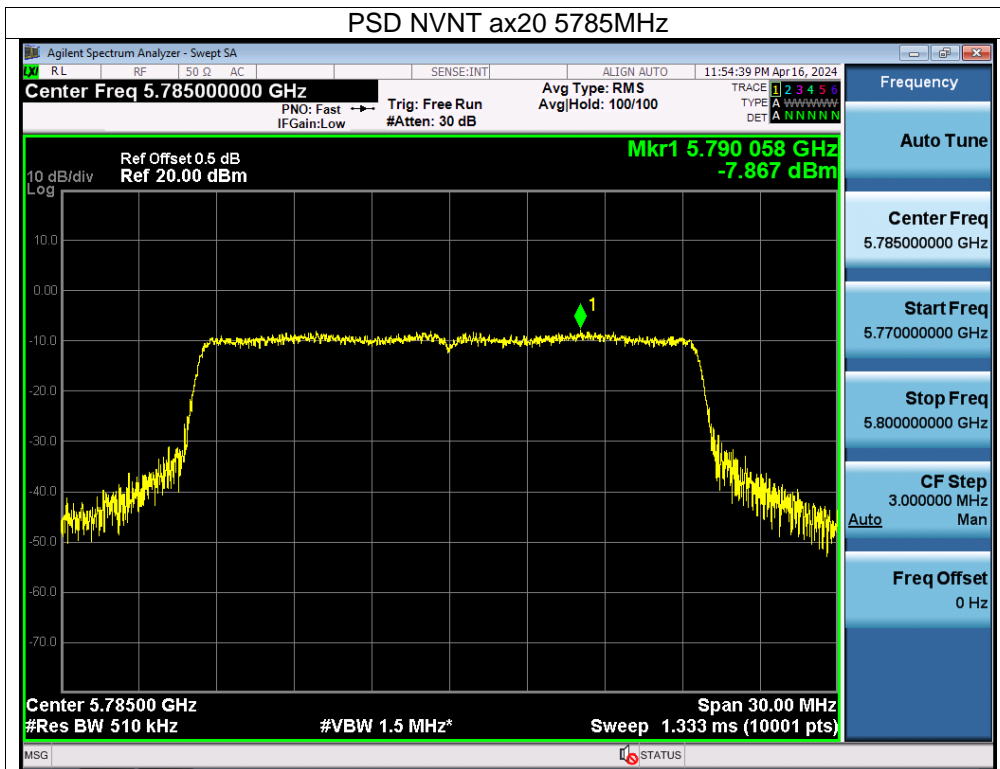


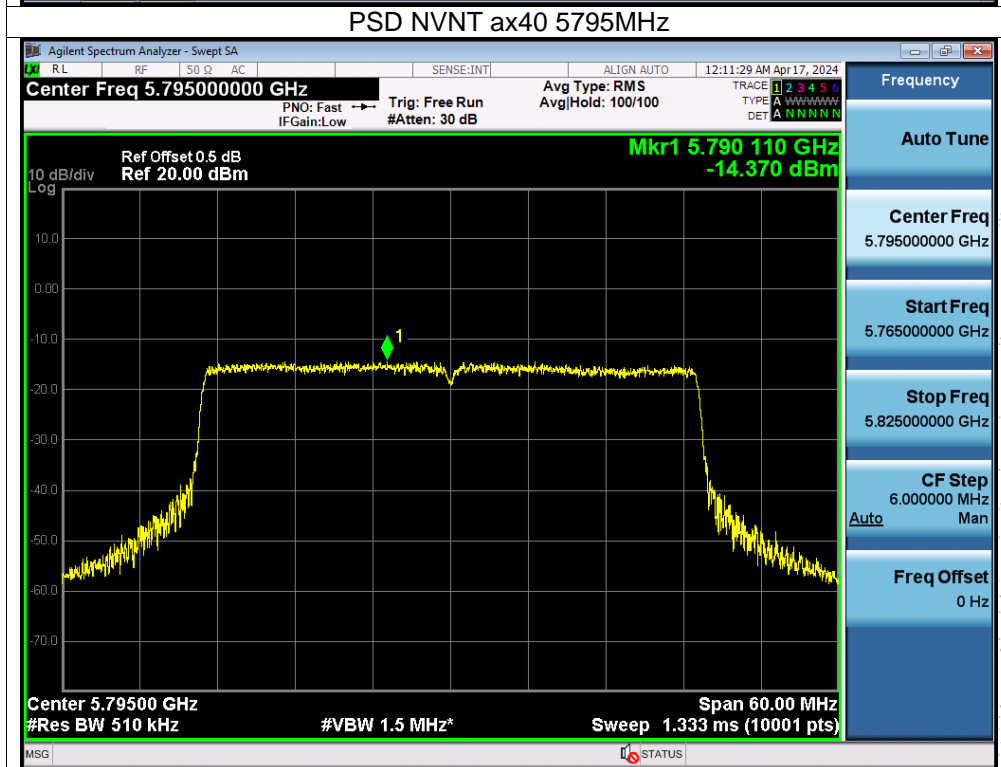
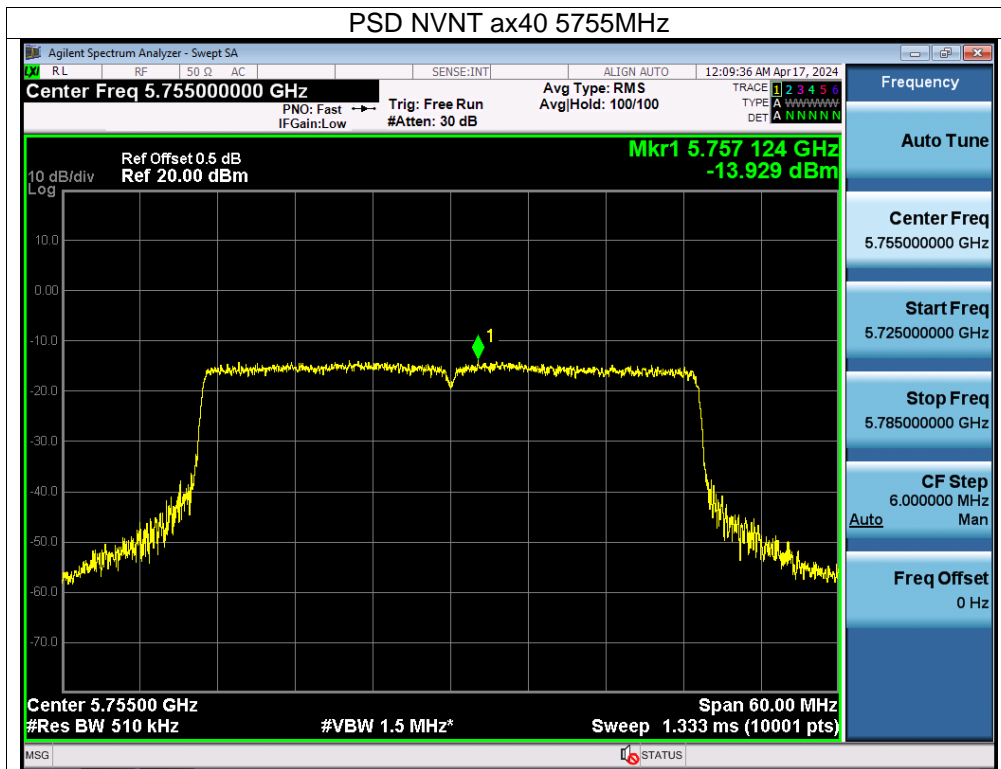
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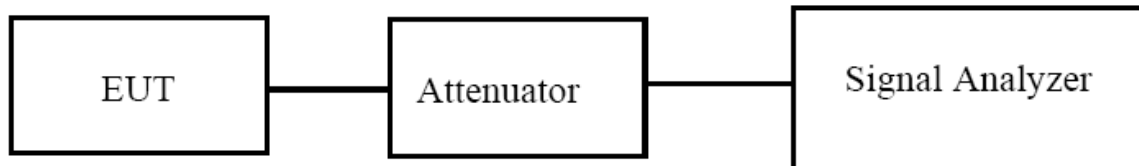




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9. 26dB & 6dB & 99% Emission Bandwidth

9.1 Block Diagram Of Test Setup



9.2 Limit

The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test. If the device cannot be connected directly, alternative techniques acceptable to the Commission may be used. Measurements in the 5.725-5.85 GHz band are made over a reference bandwidth of 500 kHz or the 26 dB emission bandwidth of the device, whichever is less. Measurements in the 5.15-5.25 GHz, 5.25-5.35 GHz, and the 5.47-5.725 GHz bands are made over a bandwidth of 1 MHz or the 26 dB emission bandwidth of the device, whichever is less. A narrower resolution bandwidth can be used, provided that the measured power is integrated over the full reference bandwidth.

9.3 Test procedure

- Set RBW = approximately 1% of the emission bandwidth.
- Set the VBW > RBW.
- Detector = Peak.
- Trace mode = max hold.
- Measure the maximum width of the emission that is 26 dB down from the maximum of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

The following procedure shall be used for measuring (99 %) power bandwidth:

- Set center frequency to the nominal EUT channel center frequency.
- Set span = 1.5 times to 5.0 times the OBW.
- Set RBW = 1 % to 5 % of the OBW
- Set VBW $\geq 3 \cdot$ RBW
- Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
- Use the 99 % power bandwidth function of the instrument (if available).
- If the instrument does not have a 99 % power bandwidth function, the trace data points are recovered and directly summed in power units. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5 % of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5 % of the total is reached; that frequency is recorded as the upper frequency. The 99% occupied bandwidth is the difference between these two frequencies.

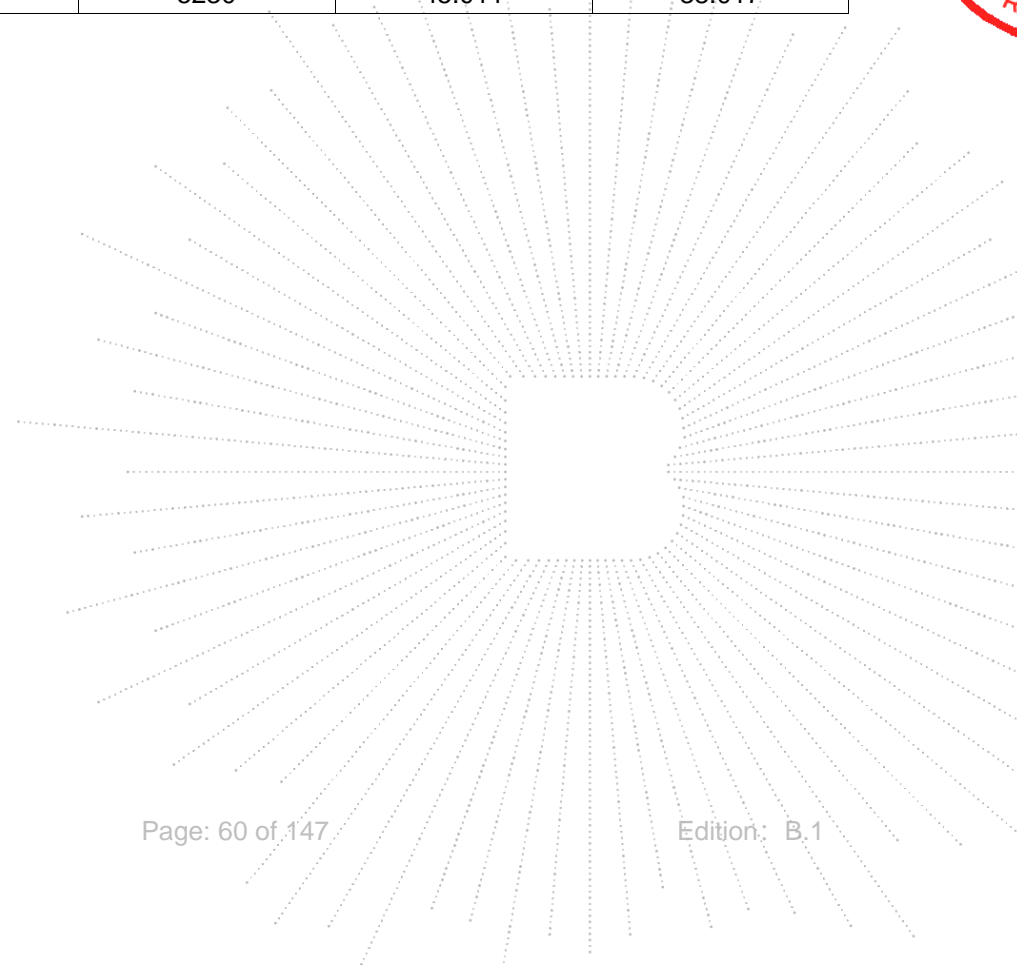
9.4 EUT operating Conditions

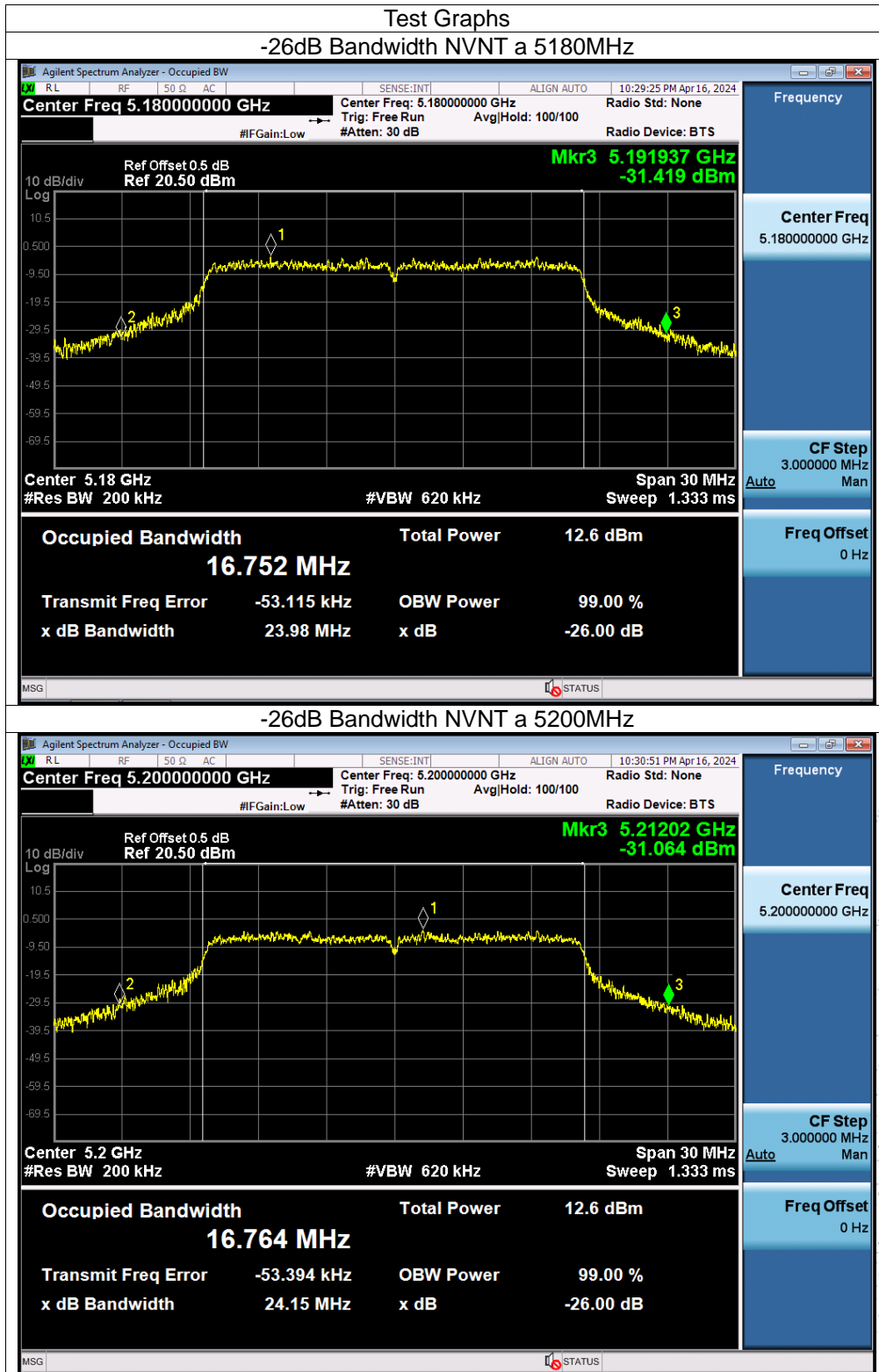
The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

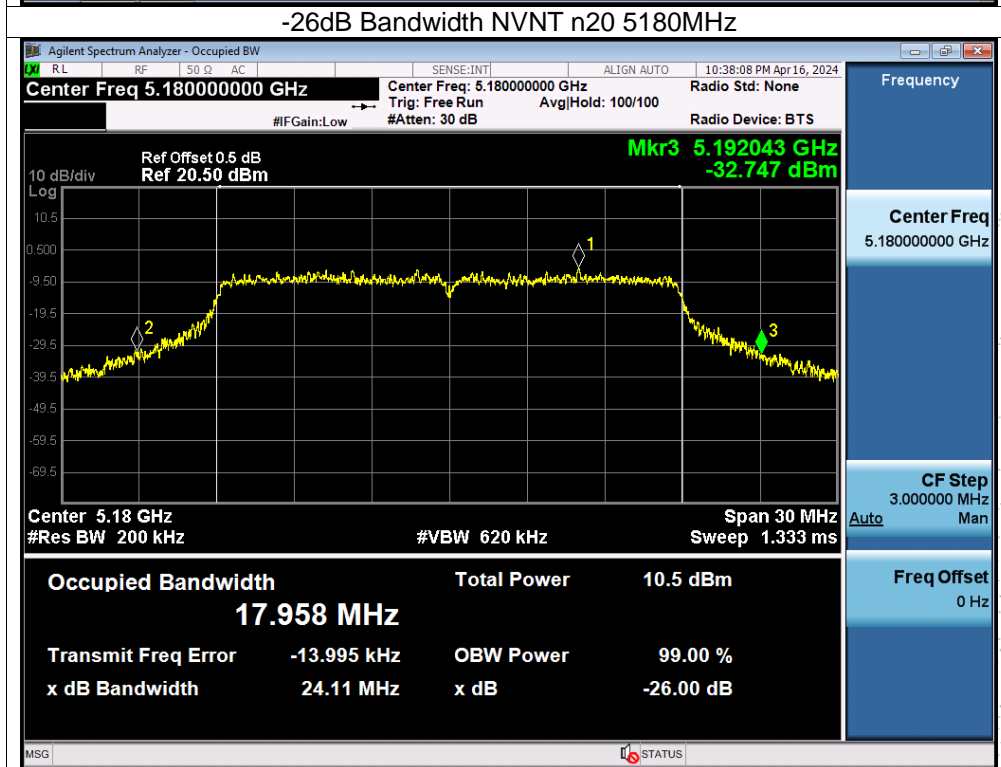
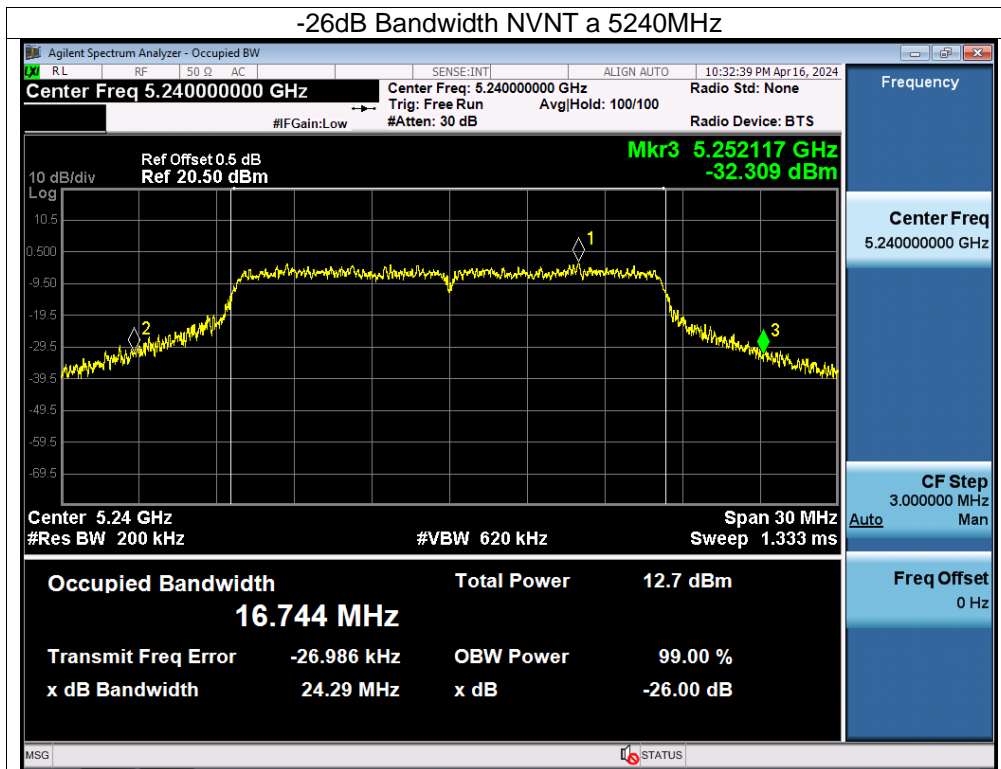
9.5 Test Result

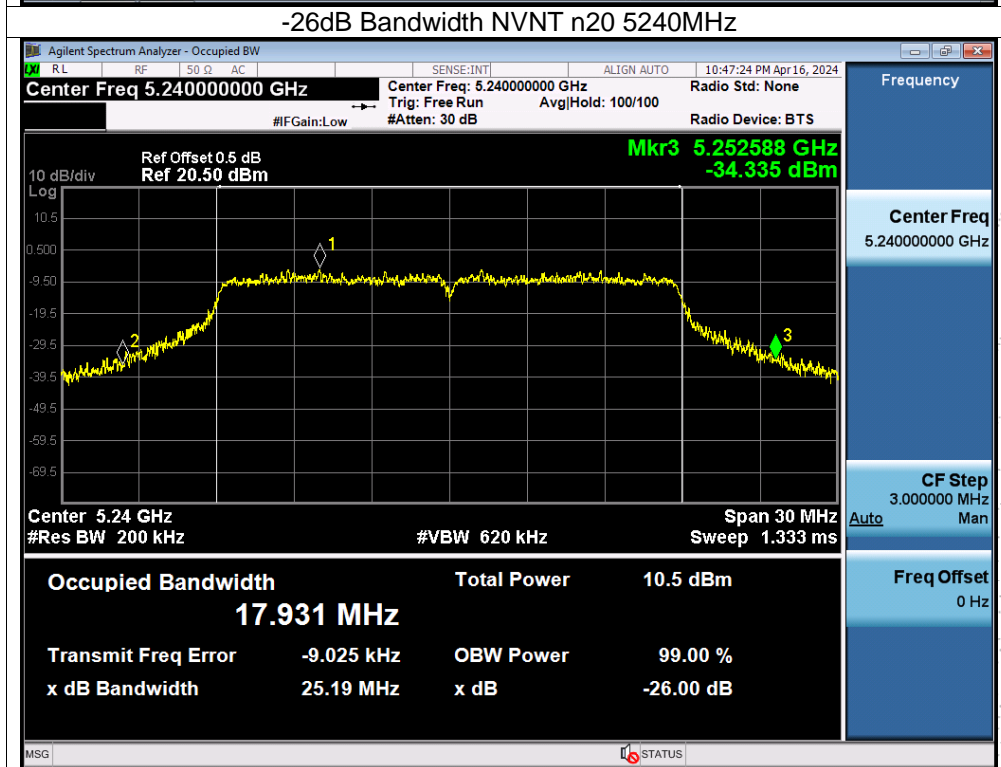
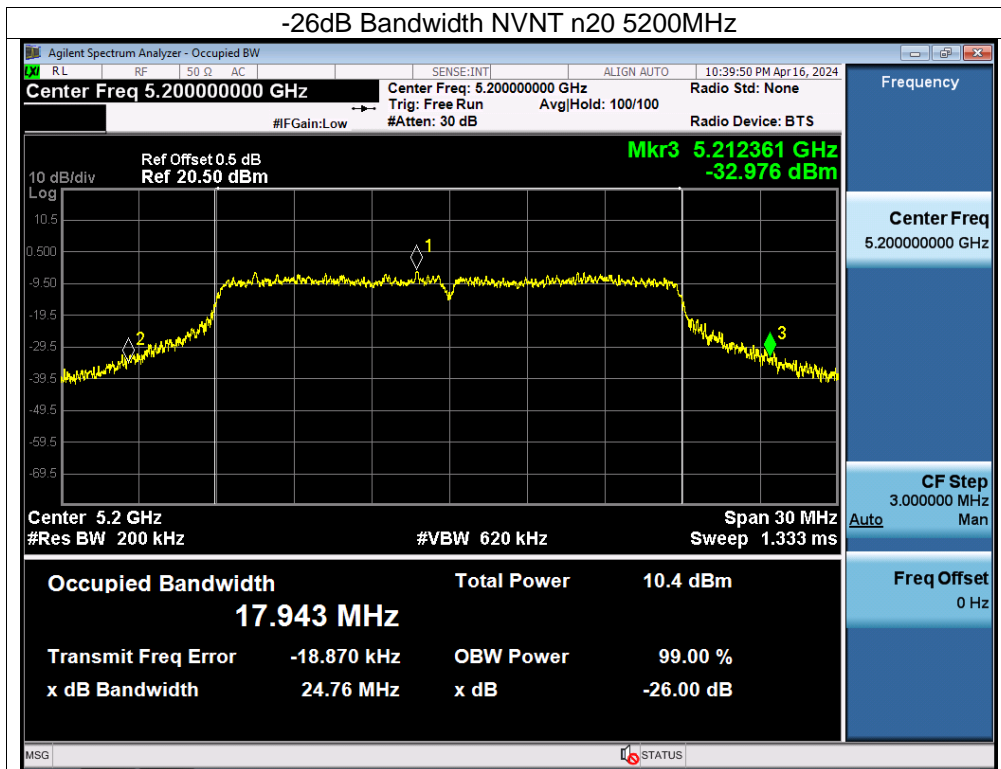
Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Test Voltage:	AC120V/60Hz
Test Mode:	(5180-5240MHz)		

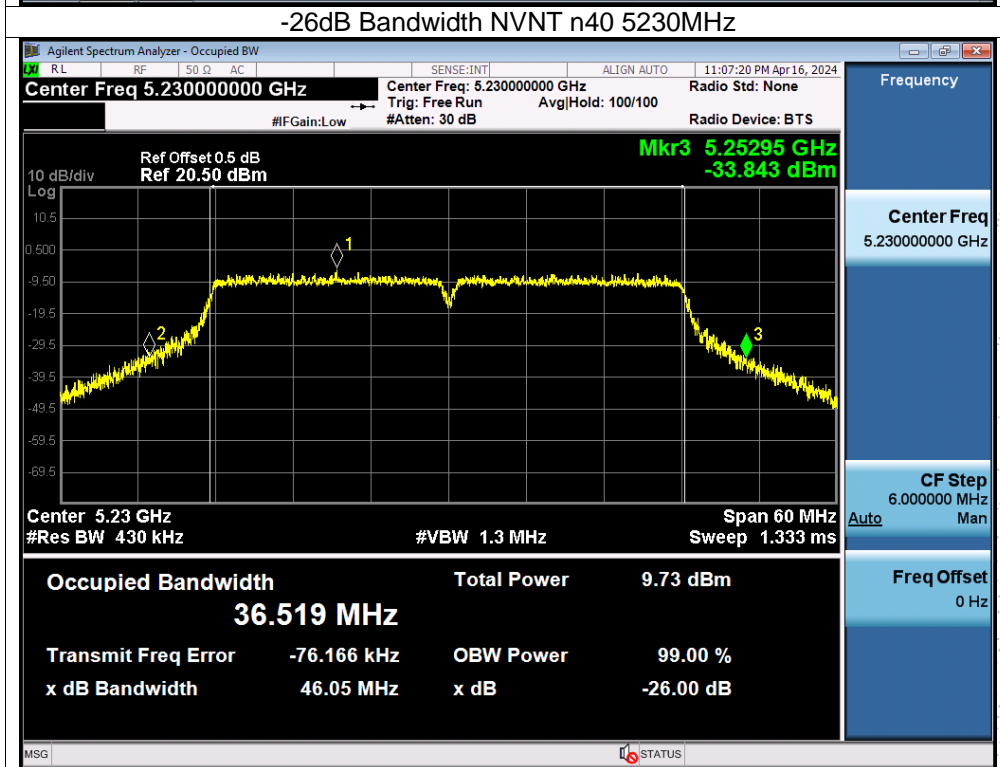
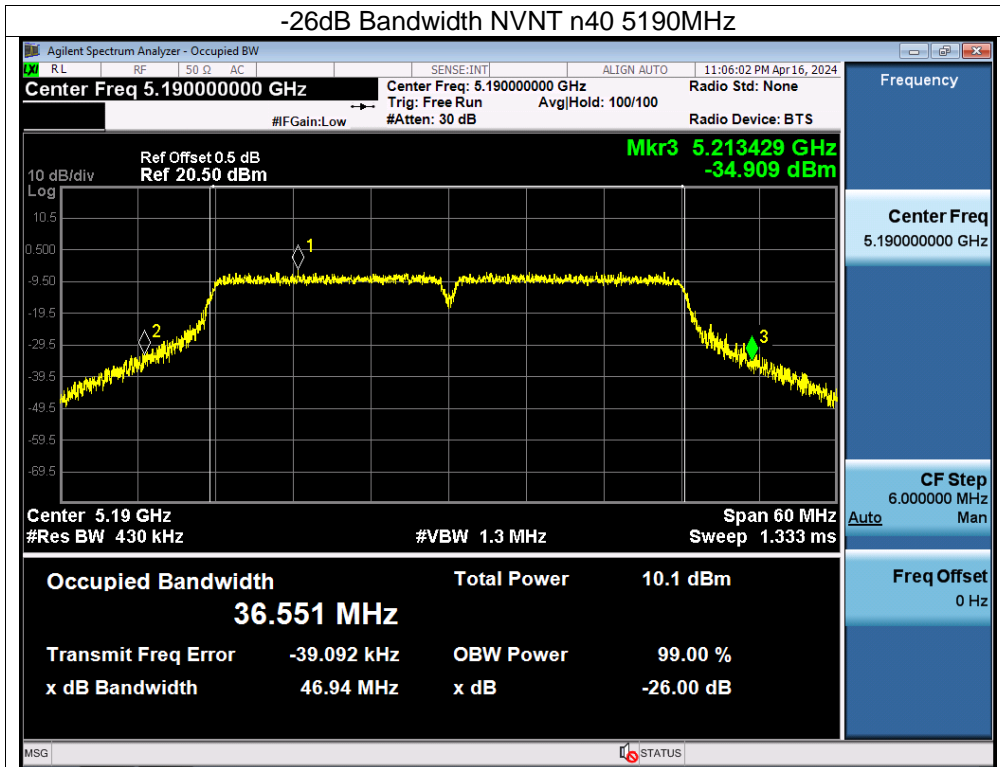
Condition	Mode	Frequency (MHz)	-26 dB Bandwidth (MHz)	99% OBW (MHz)
NVNT	a	5180	23.980	16.788
NVNT	a	5200	24.147	16.733
NVNT	a	5240	24.287	16.746
NVNT	n20	5180	24.114	17.919
NVNT	n20	5200	24.760	17.950
NVNT	n20	5240	25.195	17.934
NVNT	n40	5190	46.937	36.535
NVNT	n40	5230	46.052	36.463
NVNT	ac20	5180	25.523	17.961
NVNT	ac20	5200	24.764	17.898
NVNT	ac20	5240	24.539	17.952
NVNT	ac40	5190	46.966	36.480
NVNT	ax40	5230	46.014	36.524
NVNT	ax20	5180	24.007	19.102
NVNT	ax20	5200	25.279	19.137
NVNT	ax20	5240	23.719	19.079
NVNT	ax40	5190	44.960	37.960
NVNT	ax40	5230	45.011	38.017



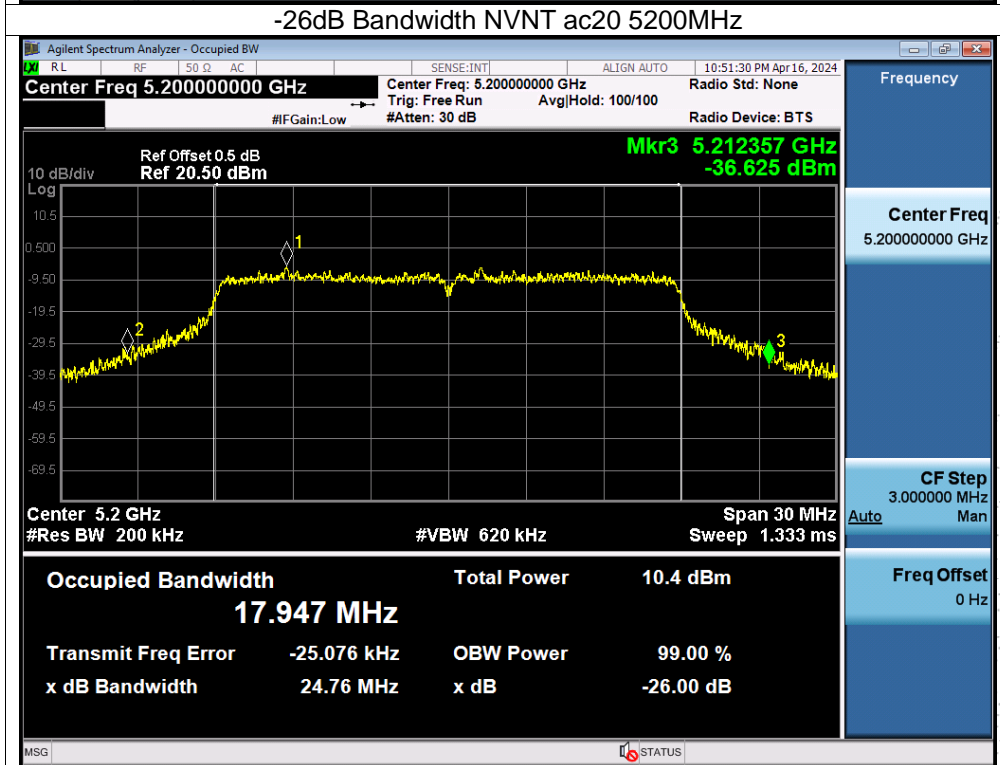
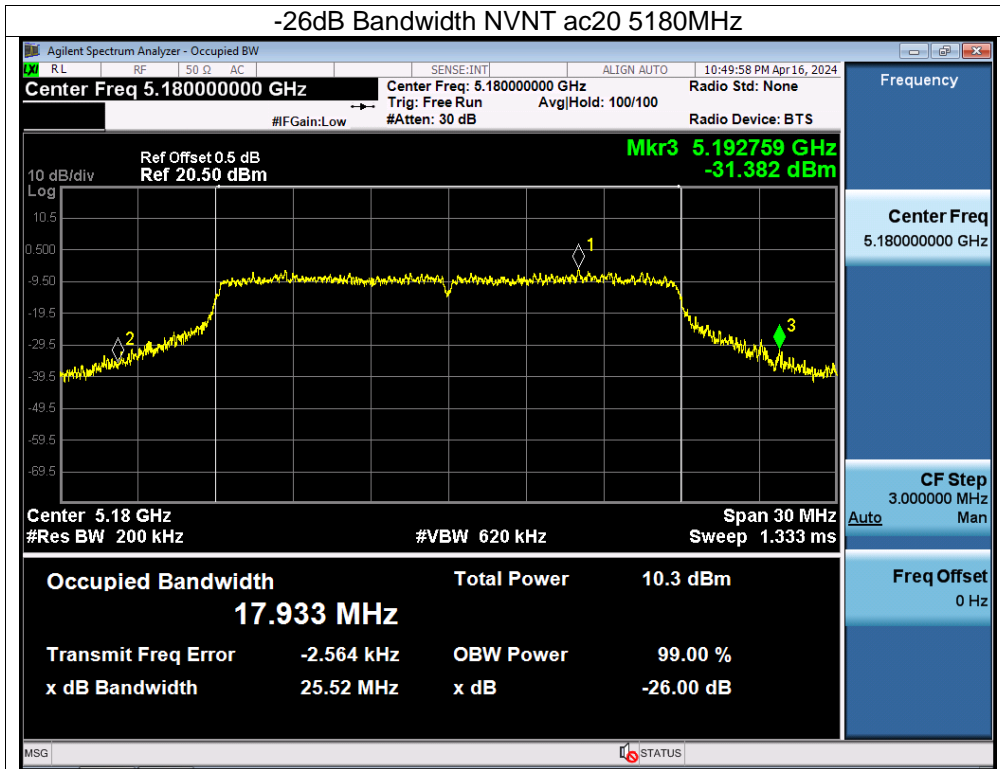


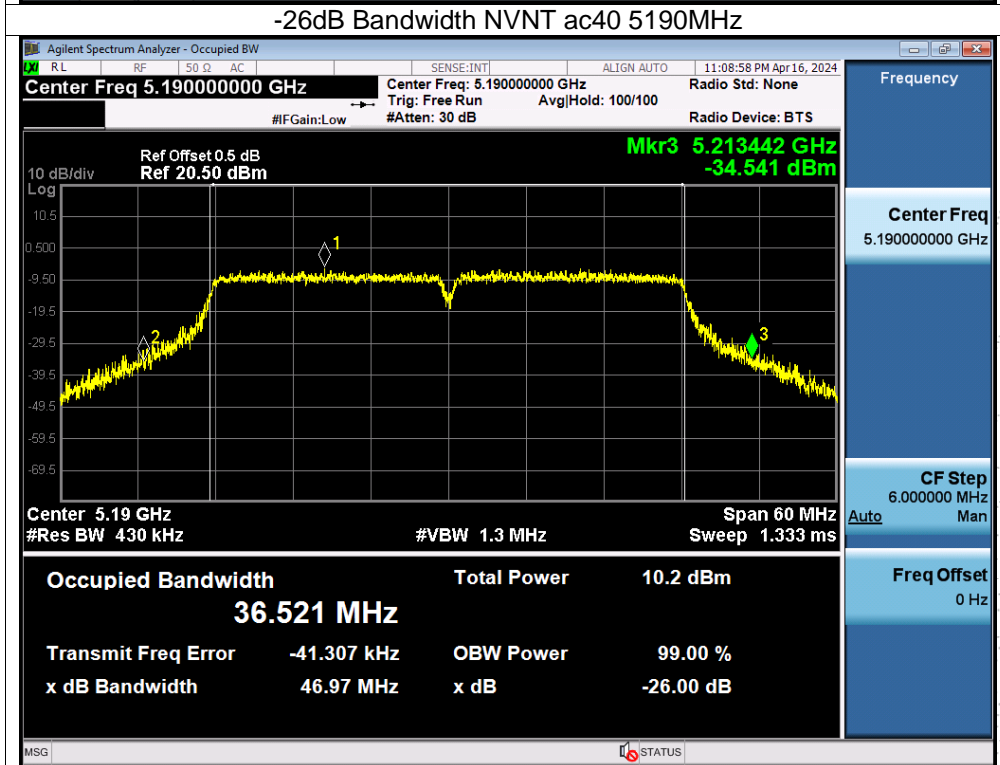
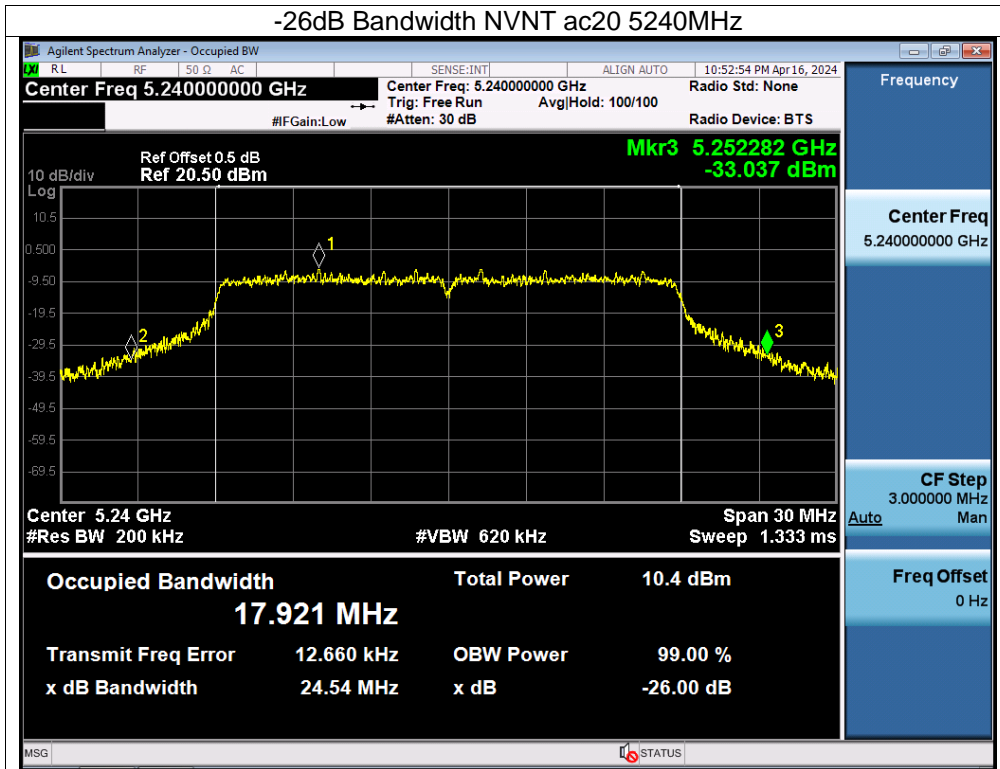


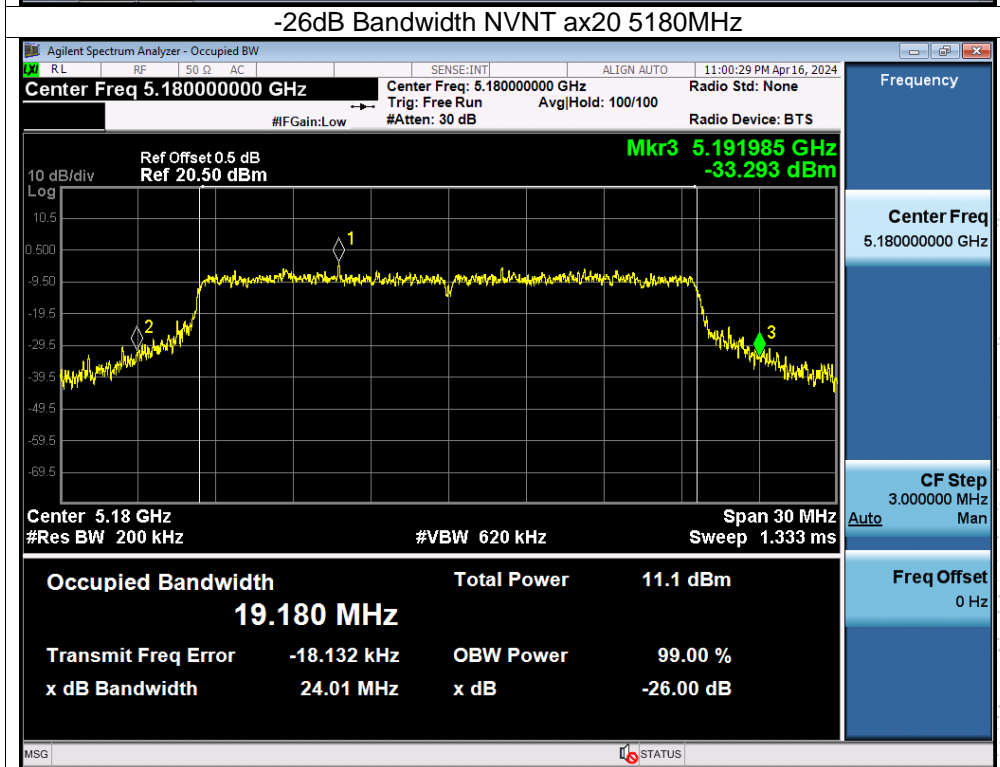
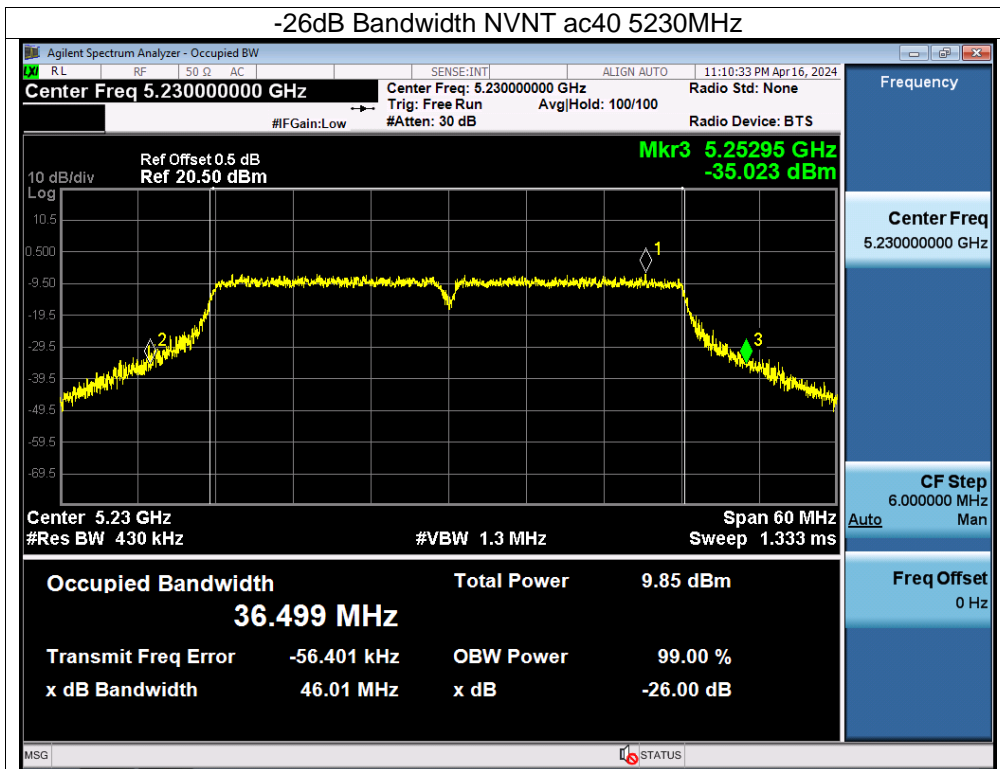


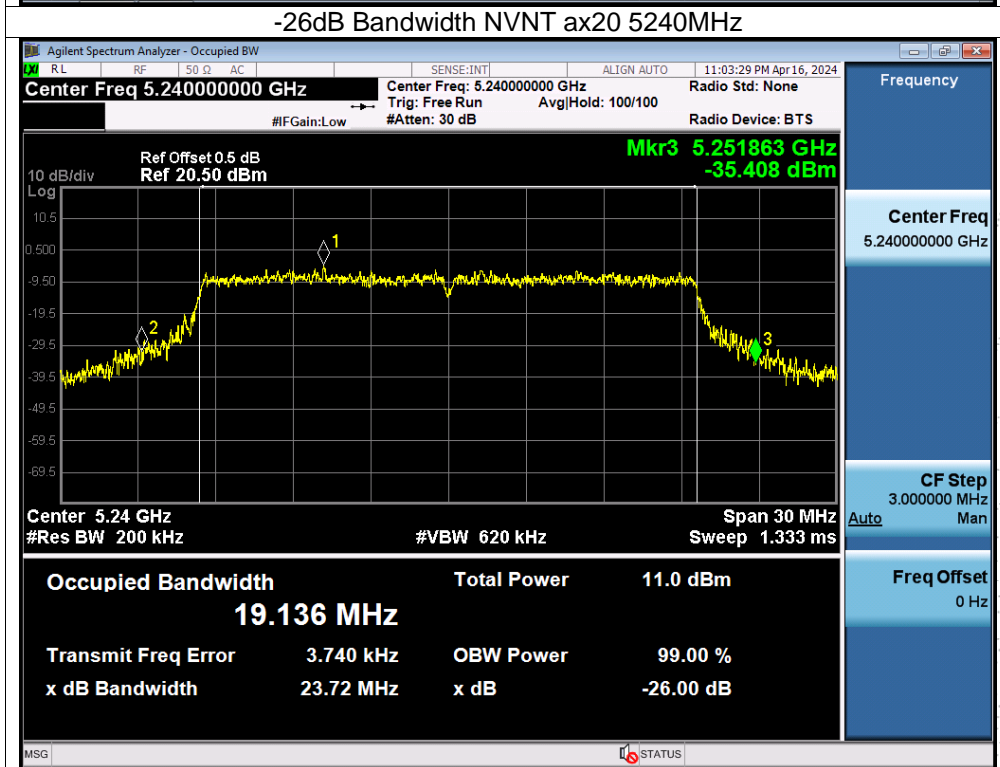
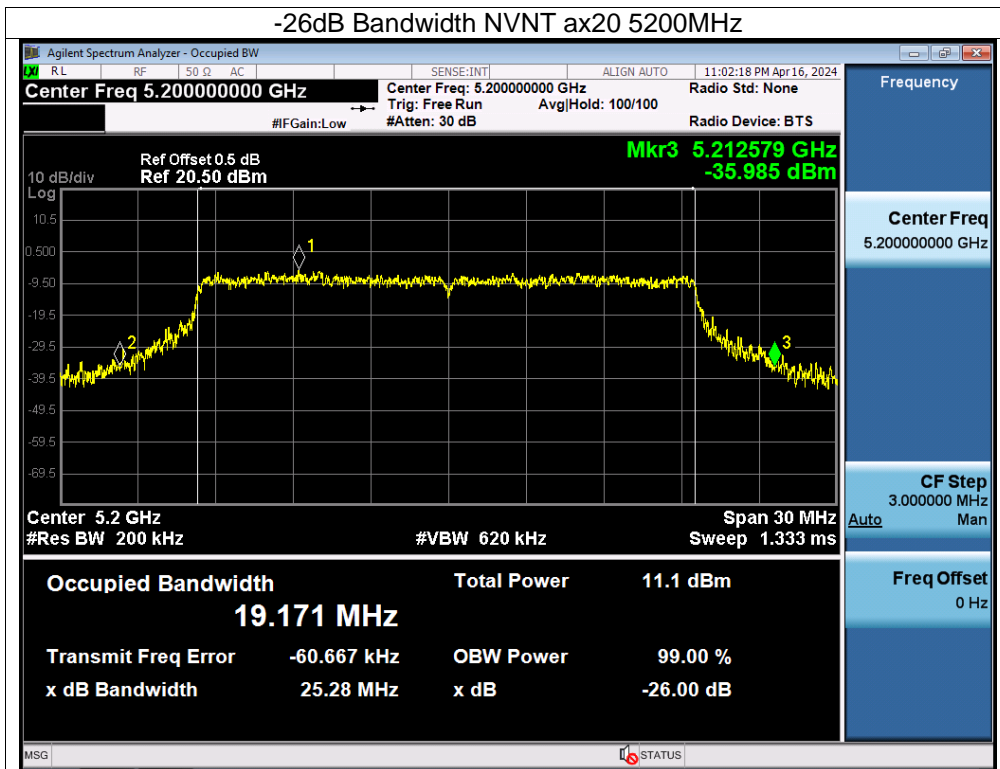


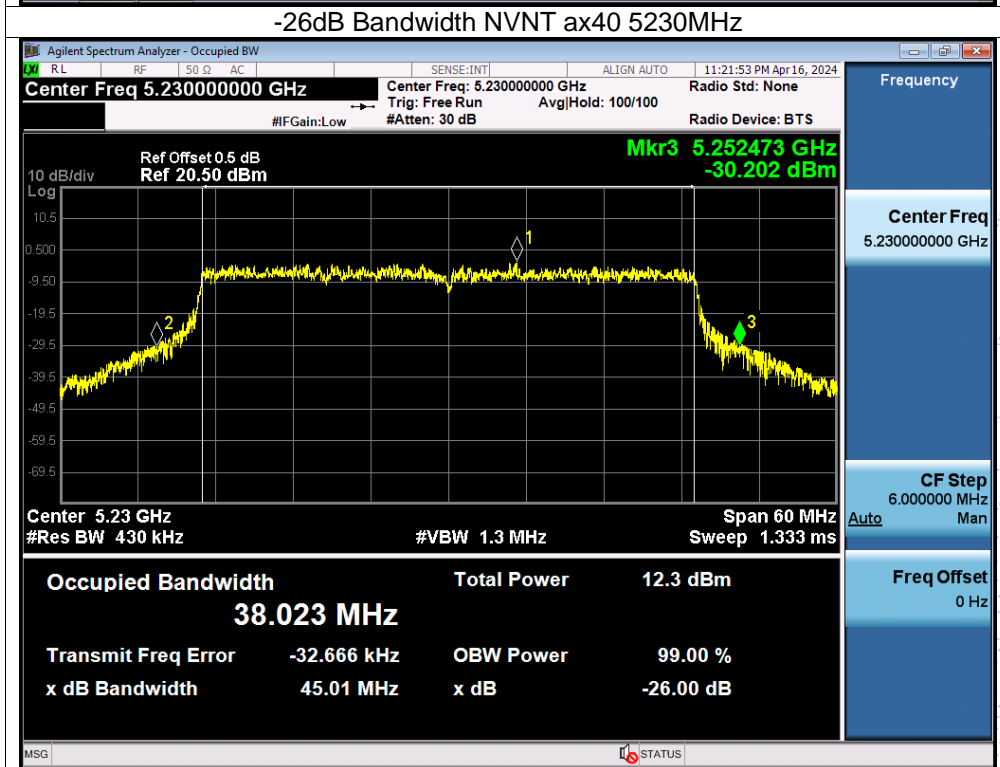
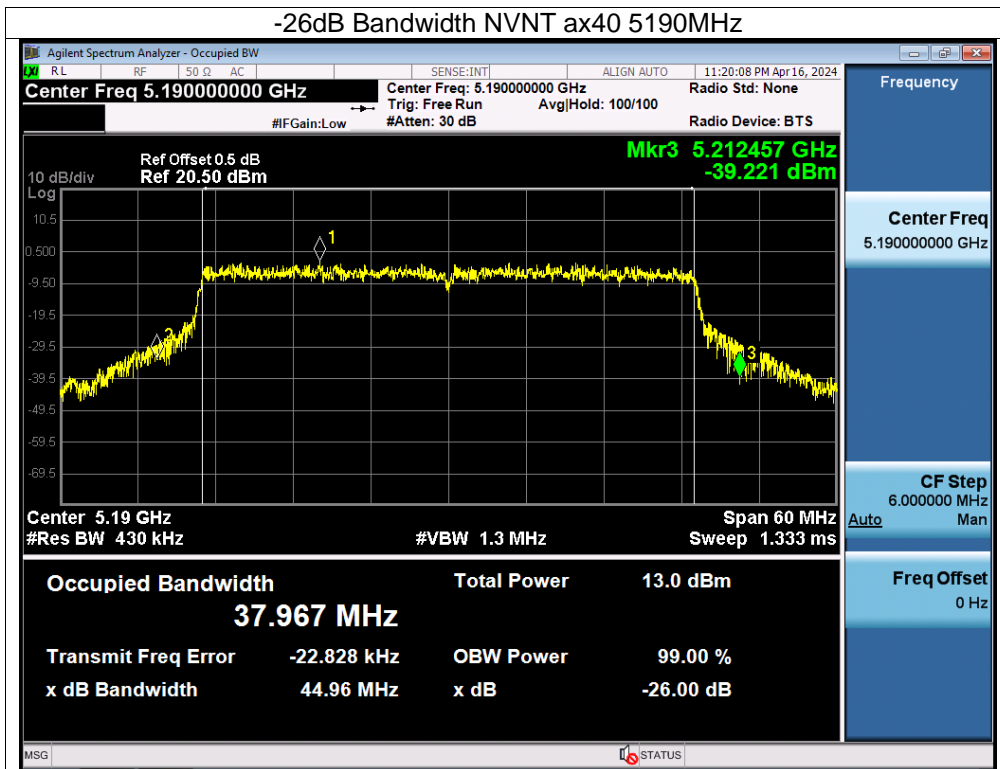
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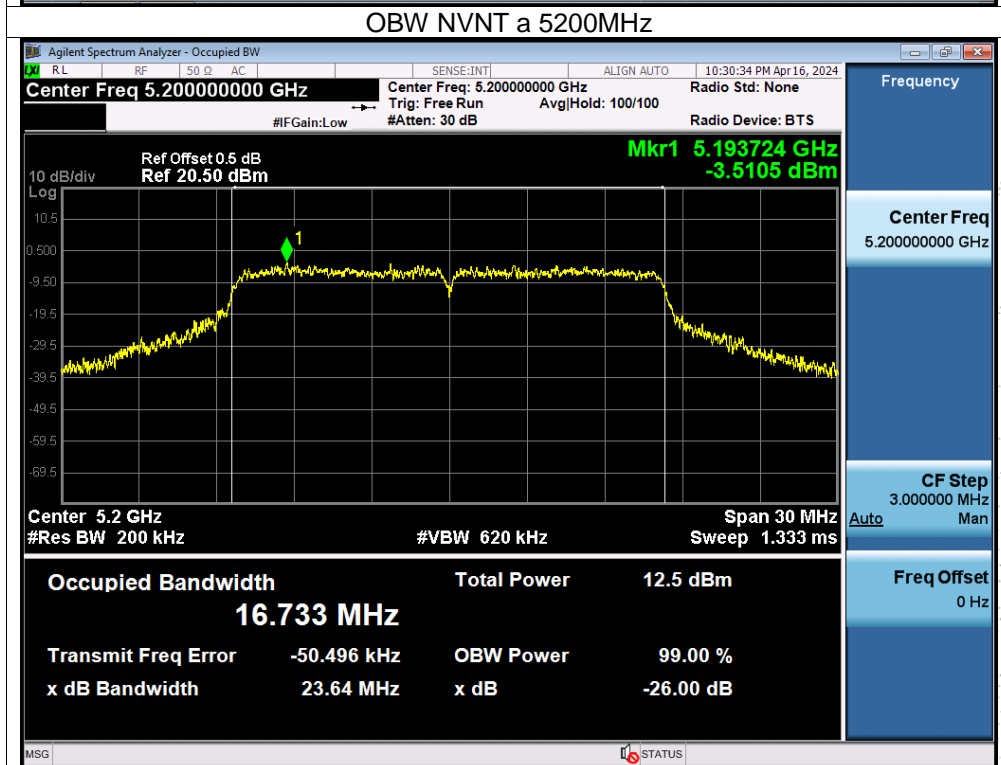
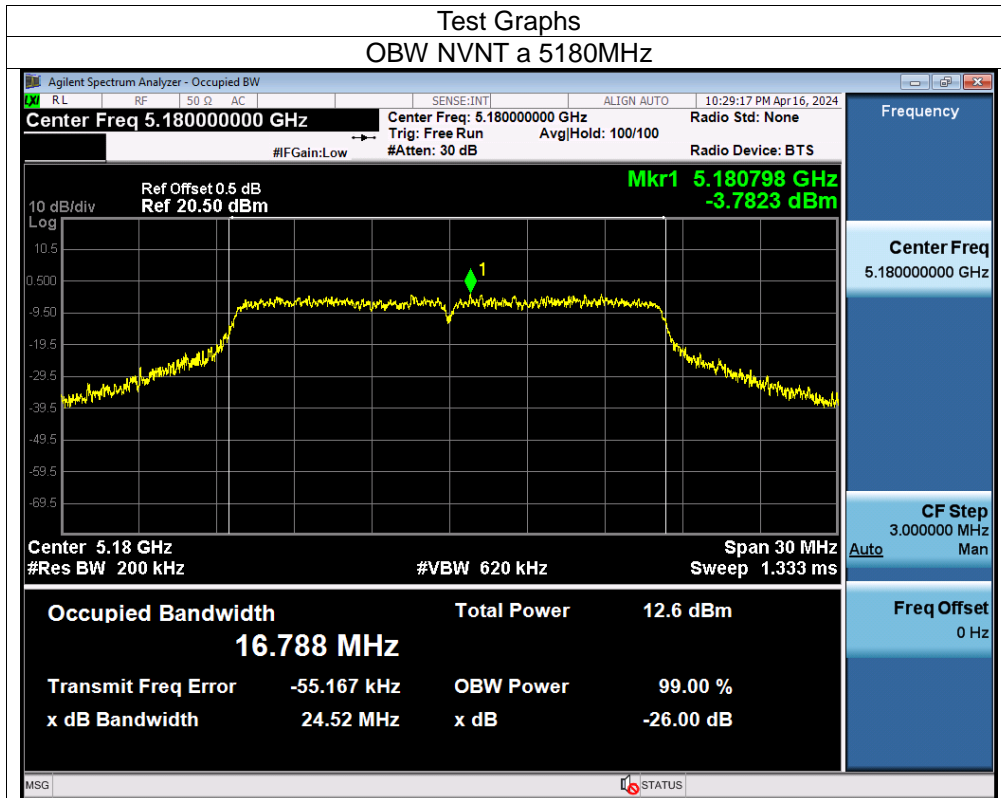




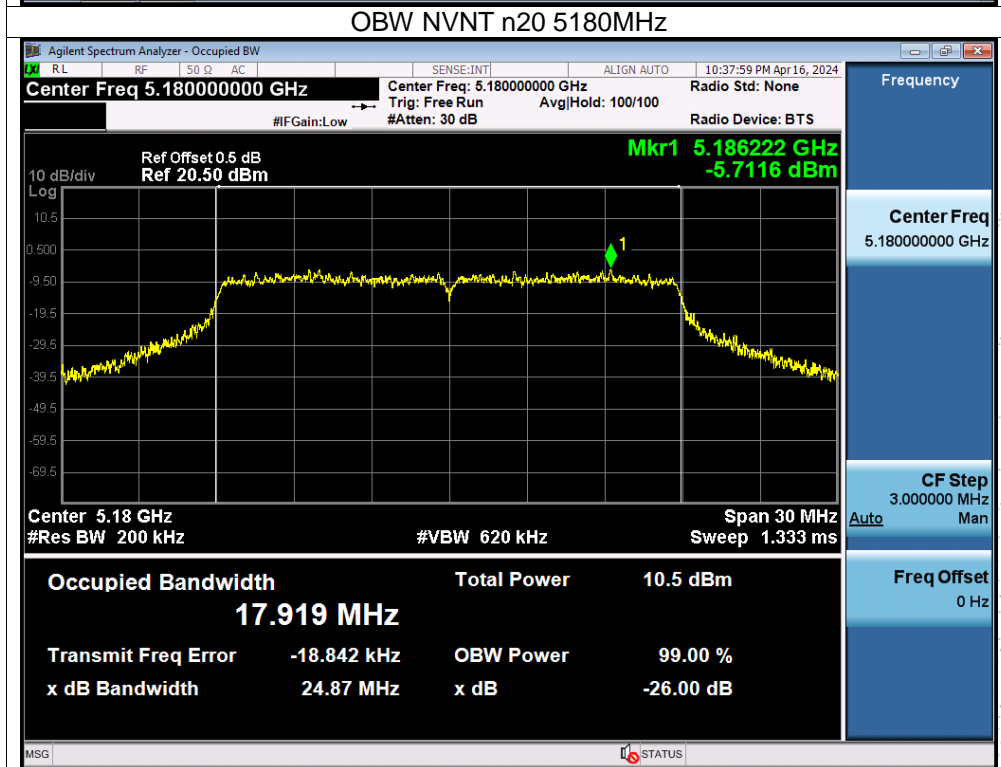
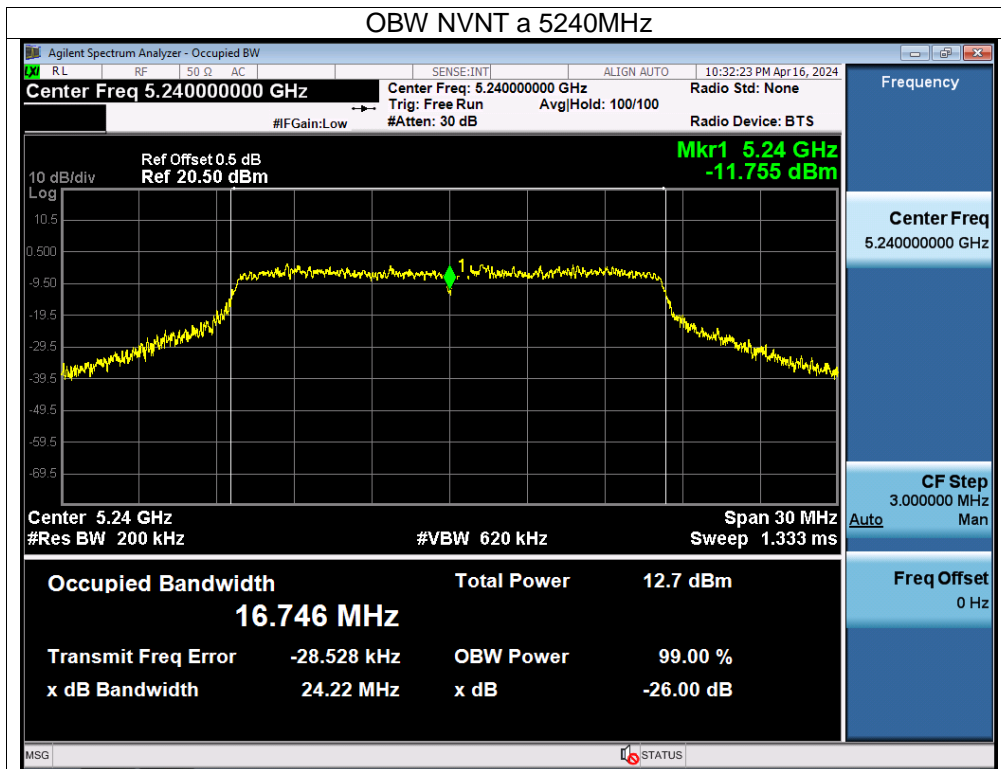


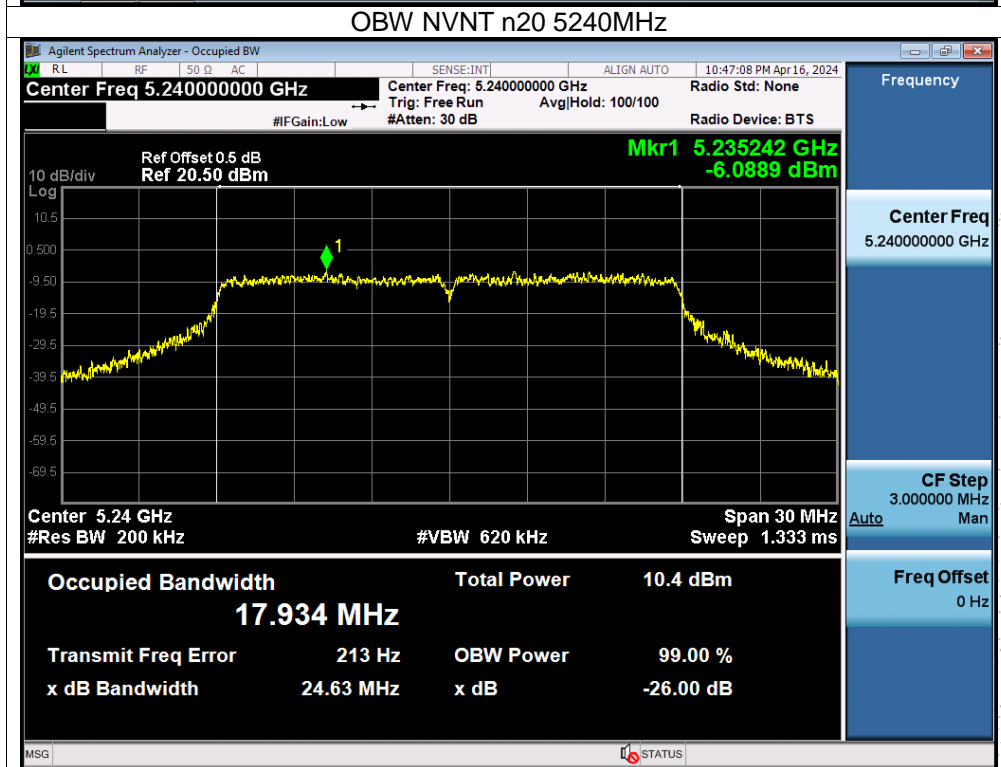
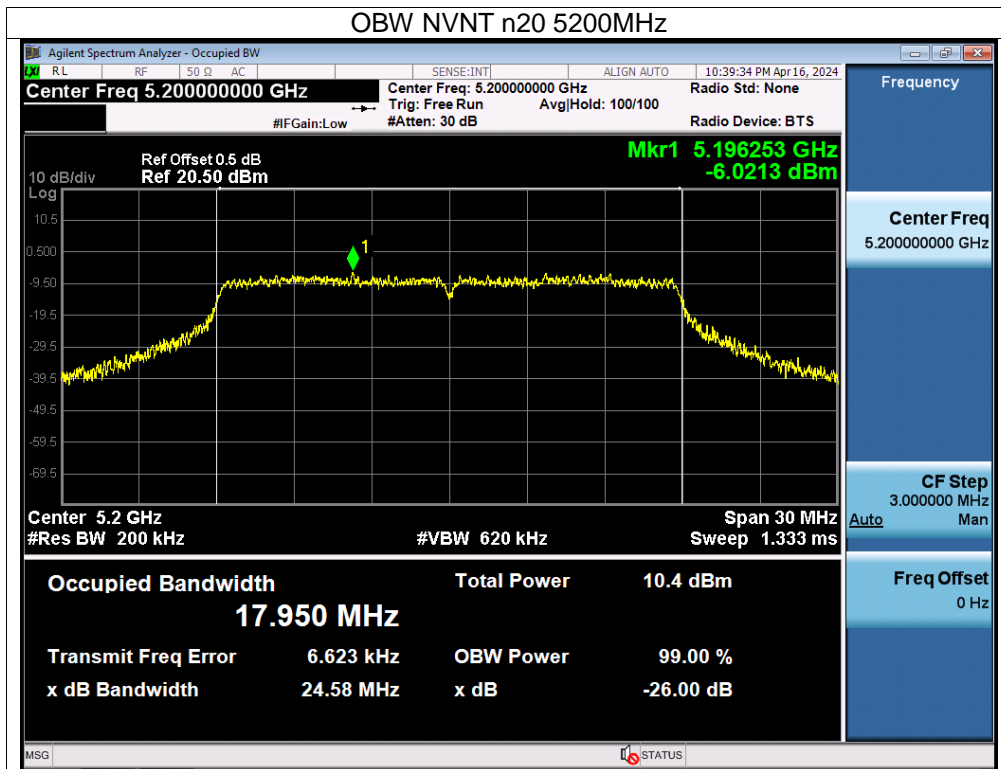


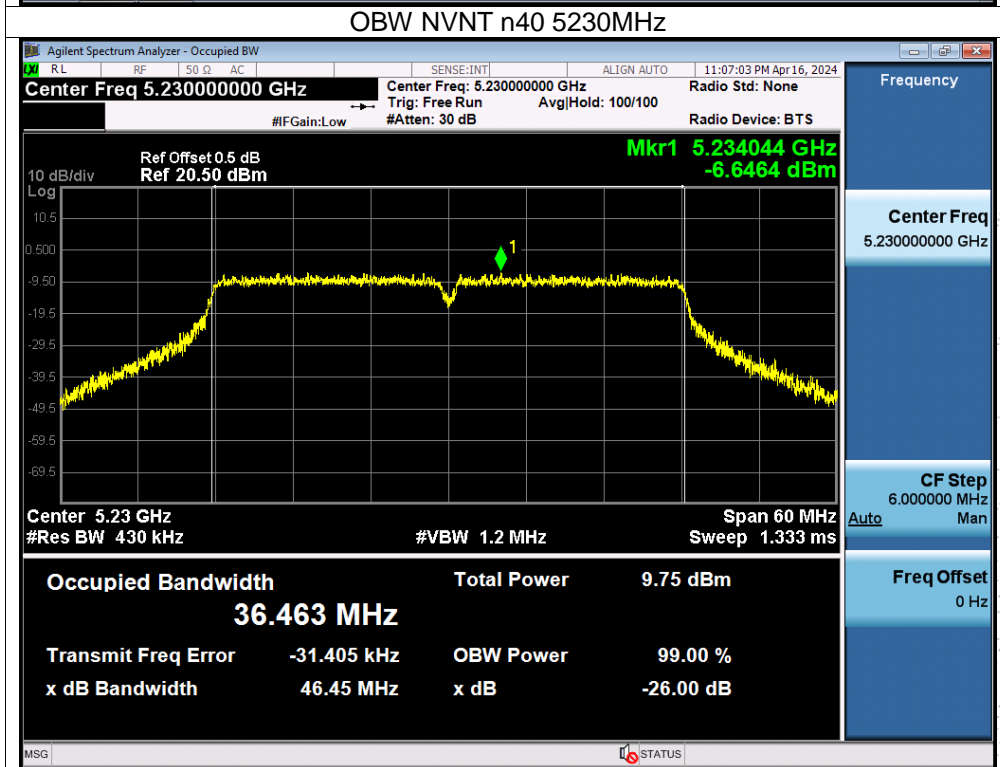
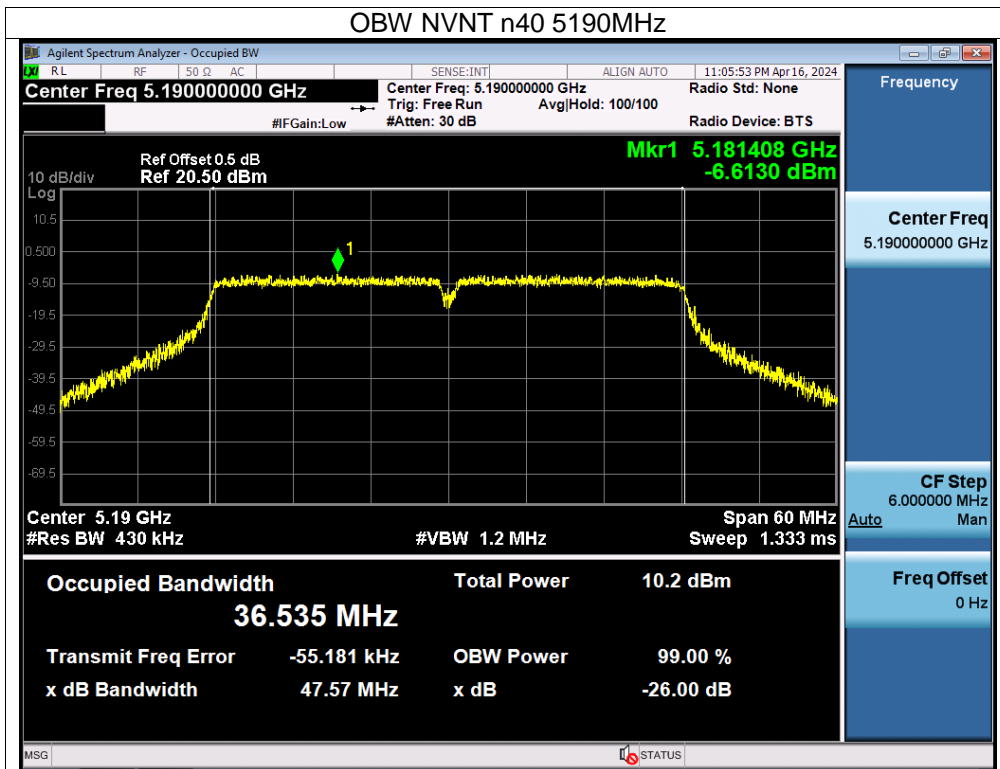


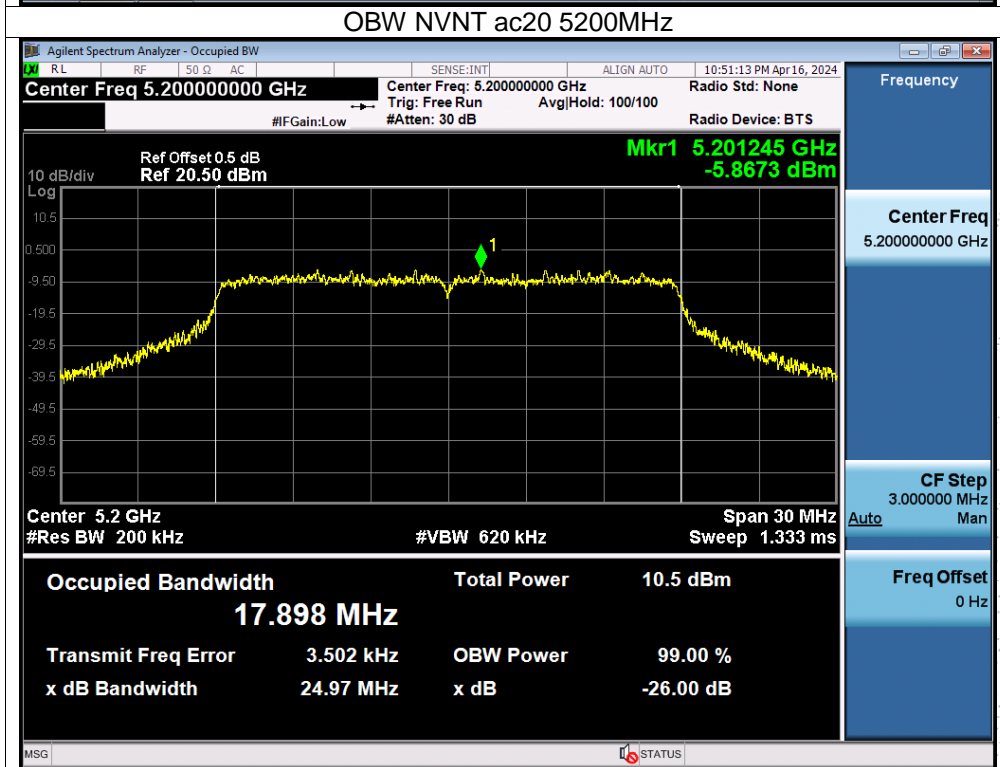
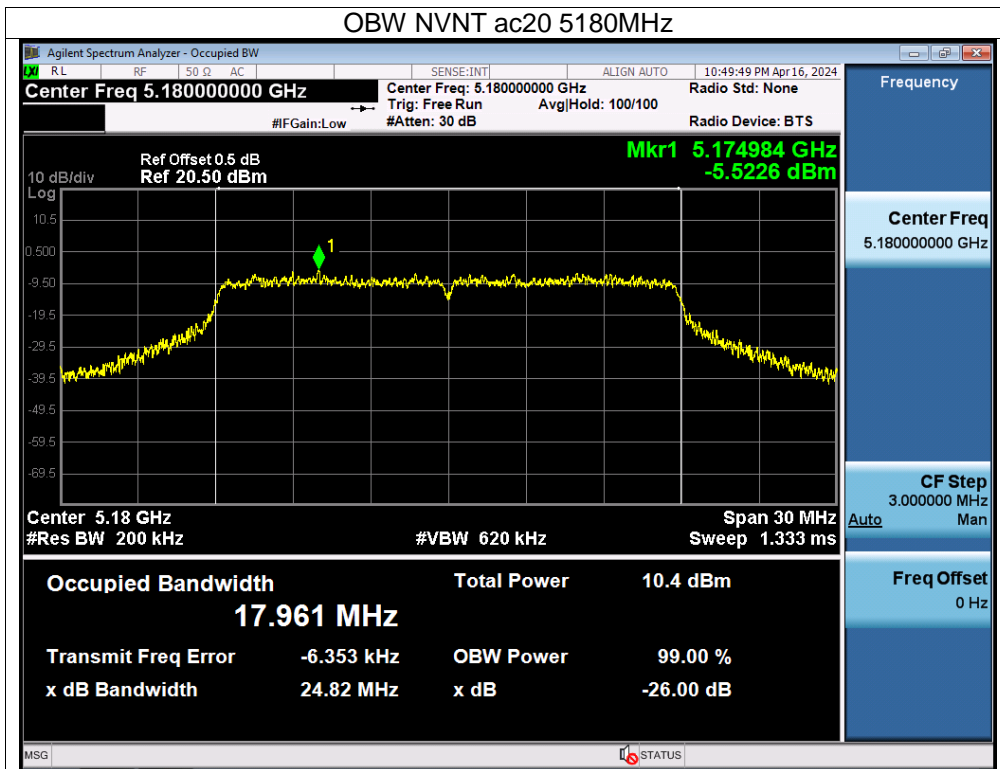


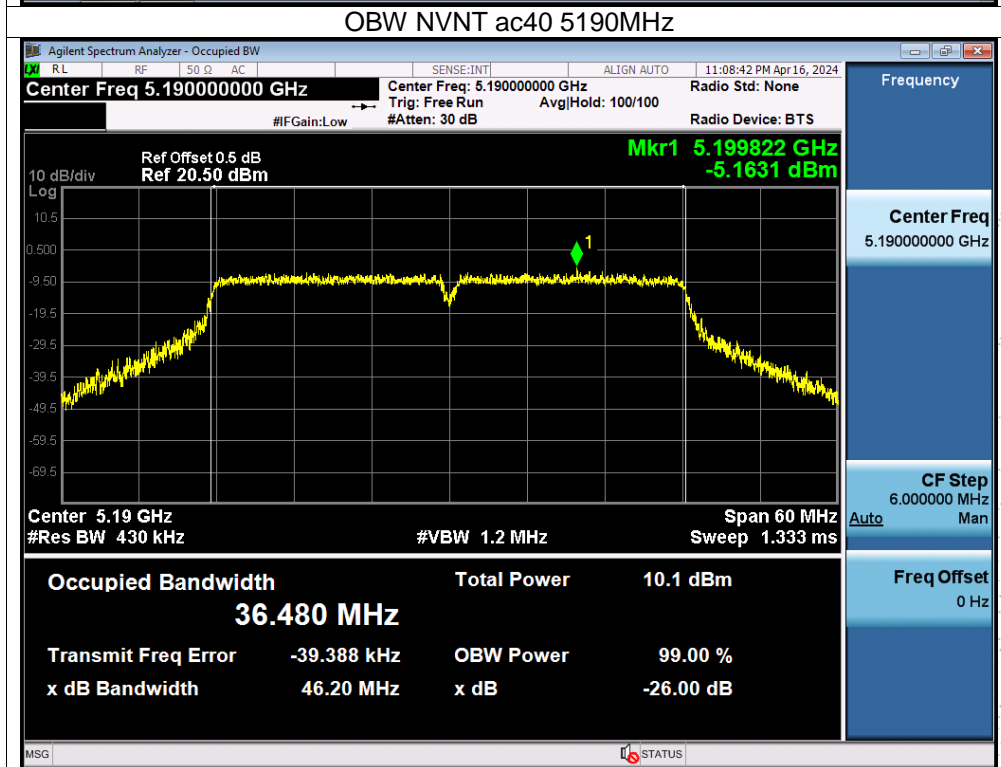
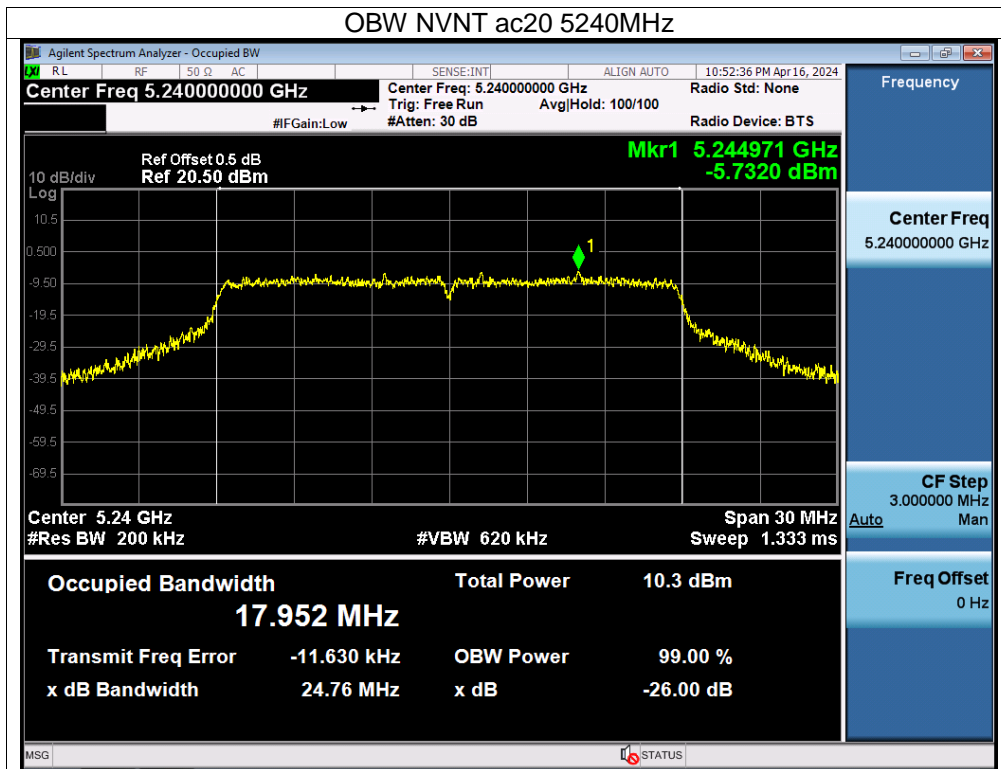
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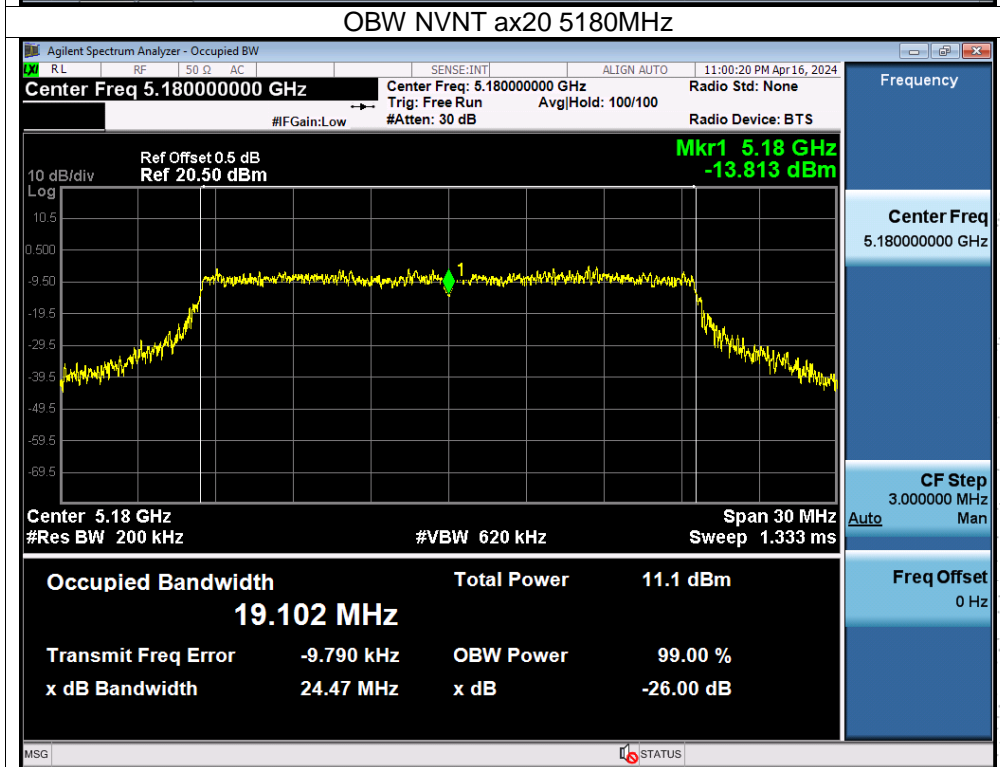
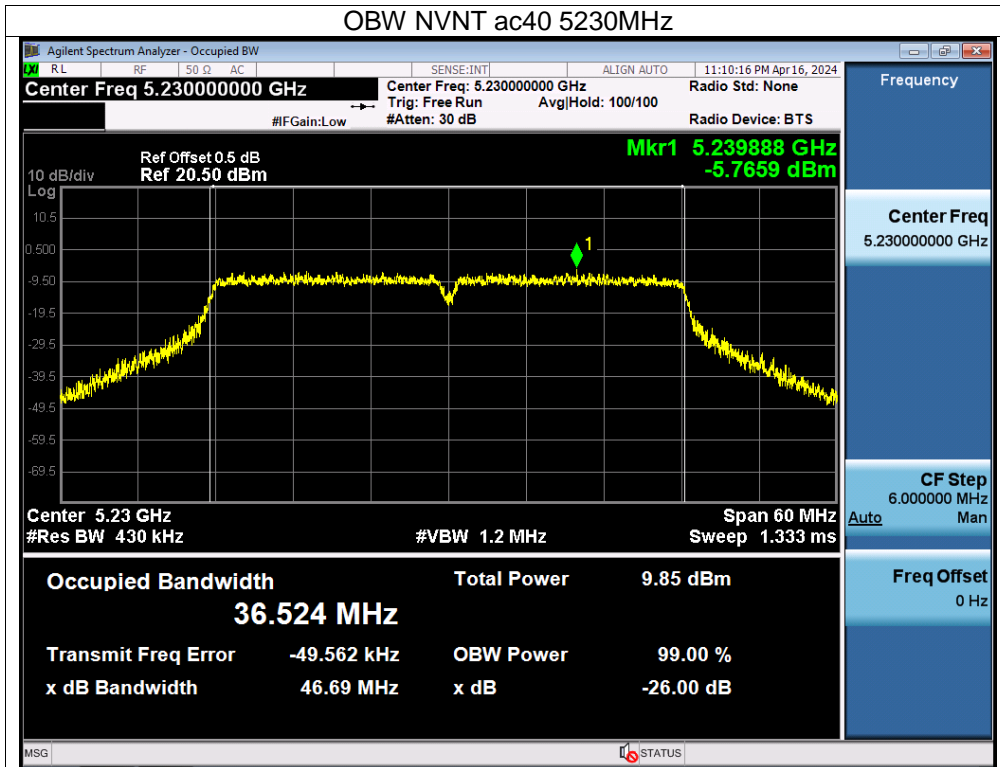


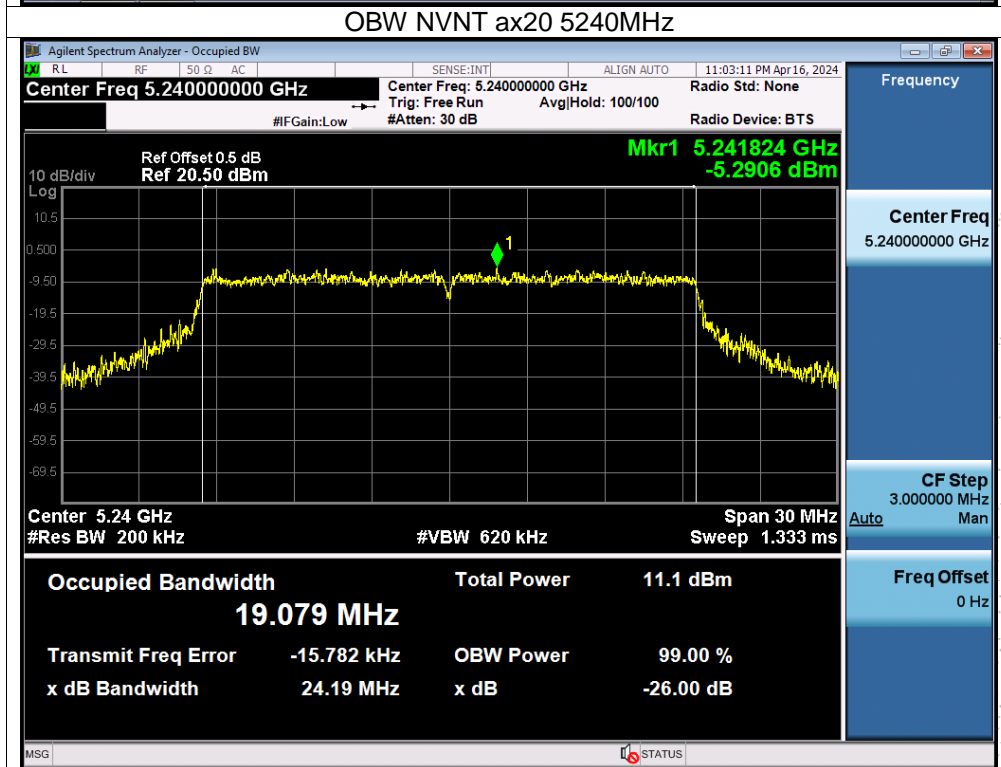
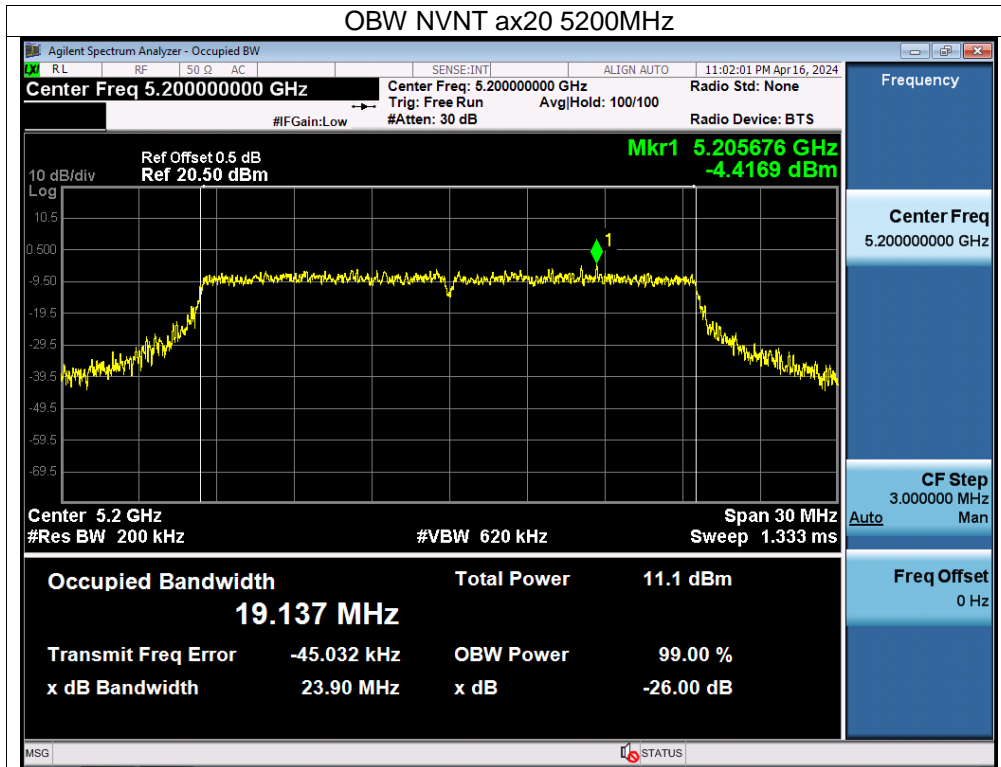


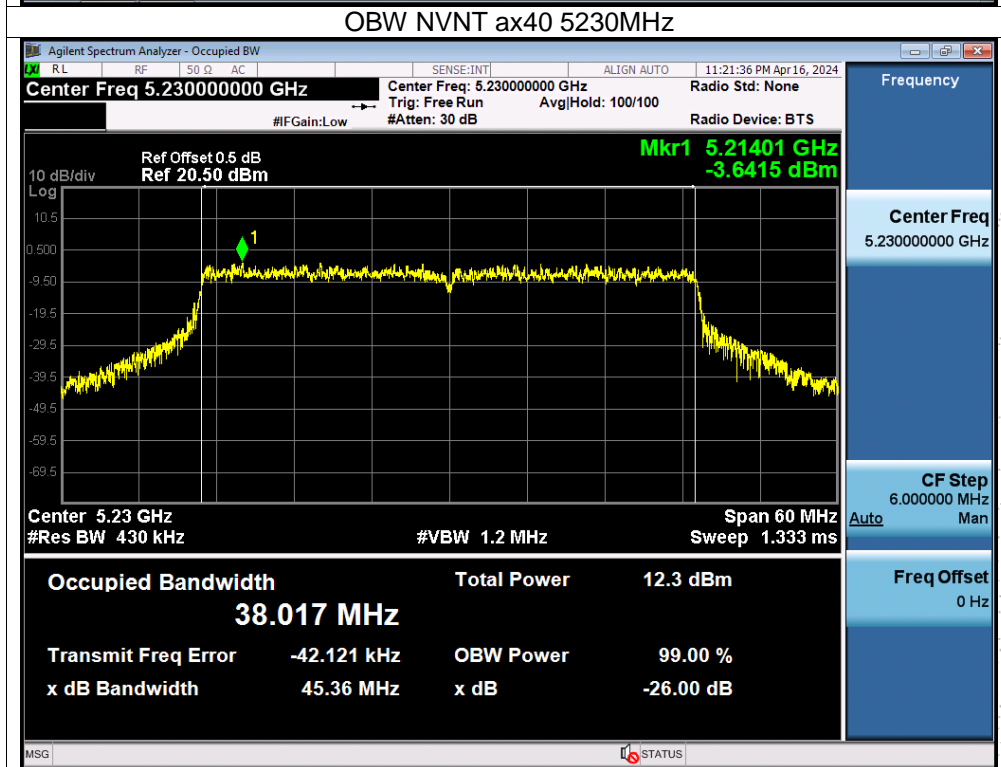
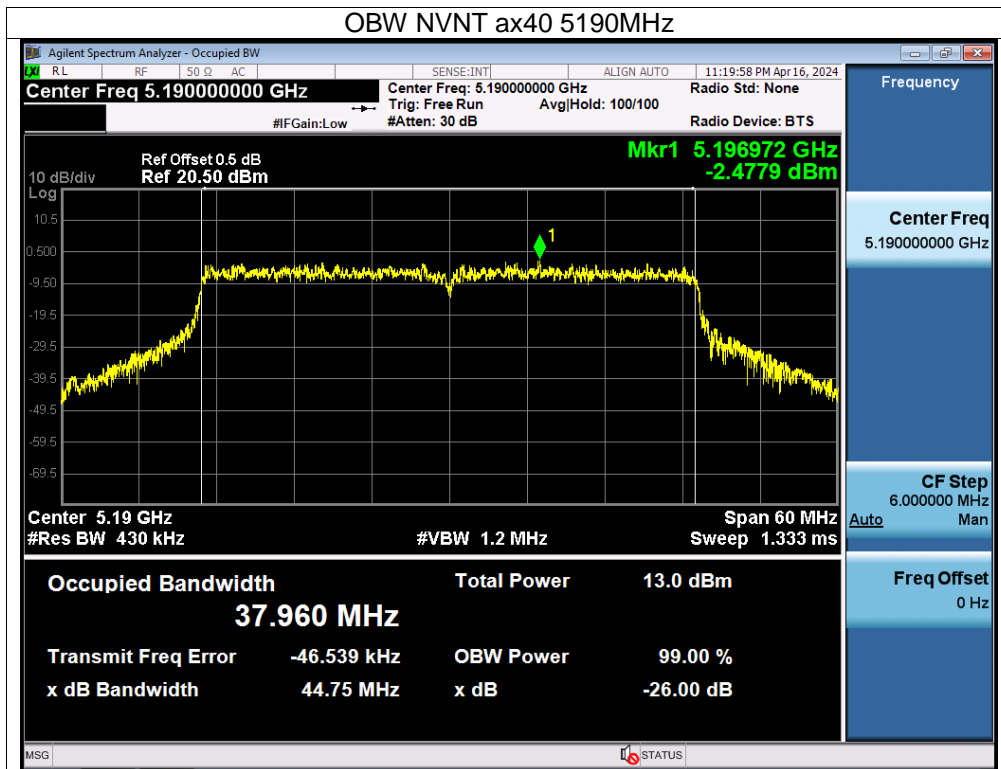






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Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Test Voltage:	AC120V/60Hz
Test Mode:	(5745-5825MHz)		

Condition	Mode	Frequency (MHz)	99% OBW (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	16.333	16.762	0.5	Pass
NVNT	a	5785	16.307	16.731	0.5	Pass
NVNT	a	5825	16.326	16.783	0.5	Pass
NVNT	n20	5745	17.576	17.956	0.5	Pass
NVNT	n20	5785	17.569	17.912	0.5	Pass
NVNT	n20	5825	17.566	17.950	0.5	Pass
NVNT	n40	5755	36.328	36.465	0.5	Pass
NVNT	n40	5795	36.326	36.479	0.5	Pass
NVNT	ac20	5745	17.531	17.954	0.5	Pass
NVNT	ac20	5785	17.553	17.914	0.5	Pass
NVNT	ac20	5825	17.562	17.966	0.5	Pass
NVNT	ac40	5755	36.292	36.501	0.5	Pass
NVNT	ac40	5795	36.311	36.439	0.5	Pass
NVNT	ax20	5745	18.814	19.211	0.5	Pass
NVNT	ax20	5785	18.694	19.169	0.5	Pass
NVNT	ax20	5825	19.085	19.149	0.5	Pass
NVNT	ax40	5755	37.979	37.922	0.5	Pass
NVNT	ax40	5795	37.870	37.982	0.5	Pass

