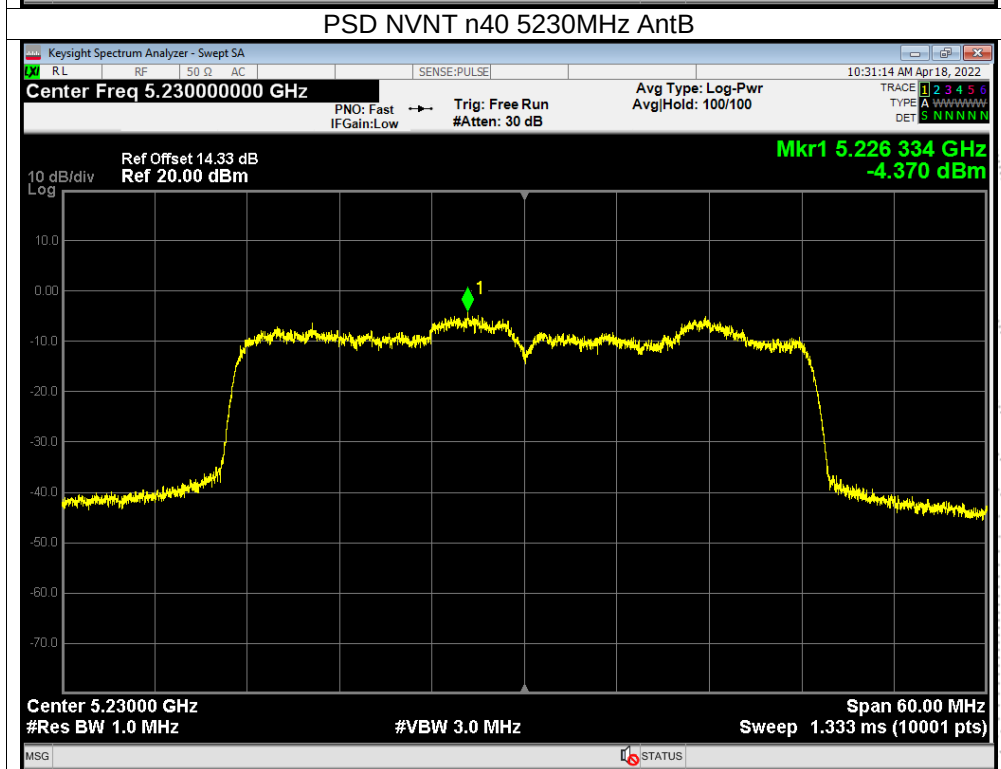
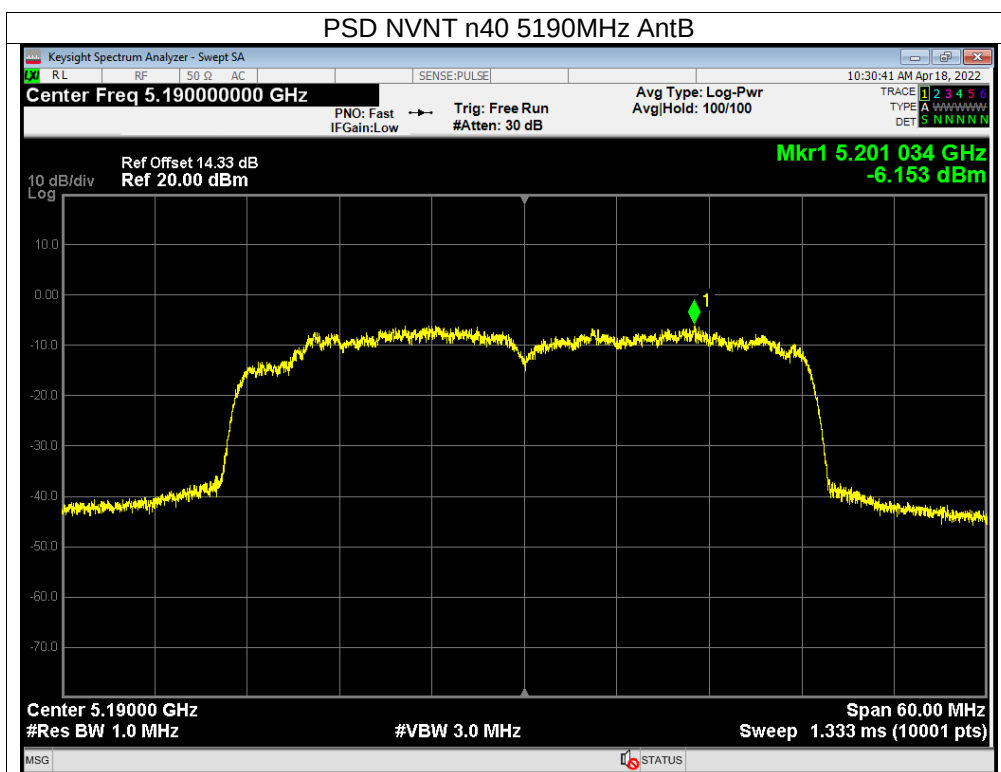
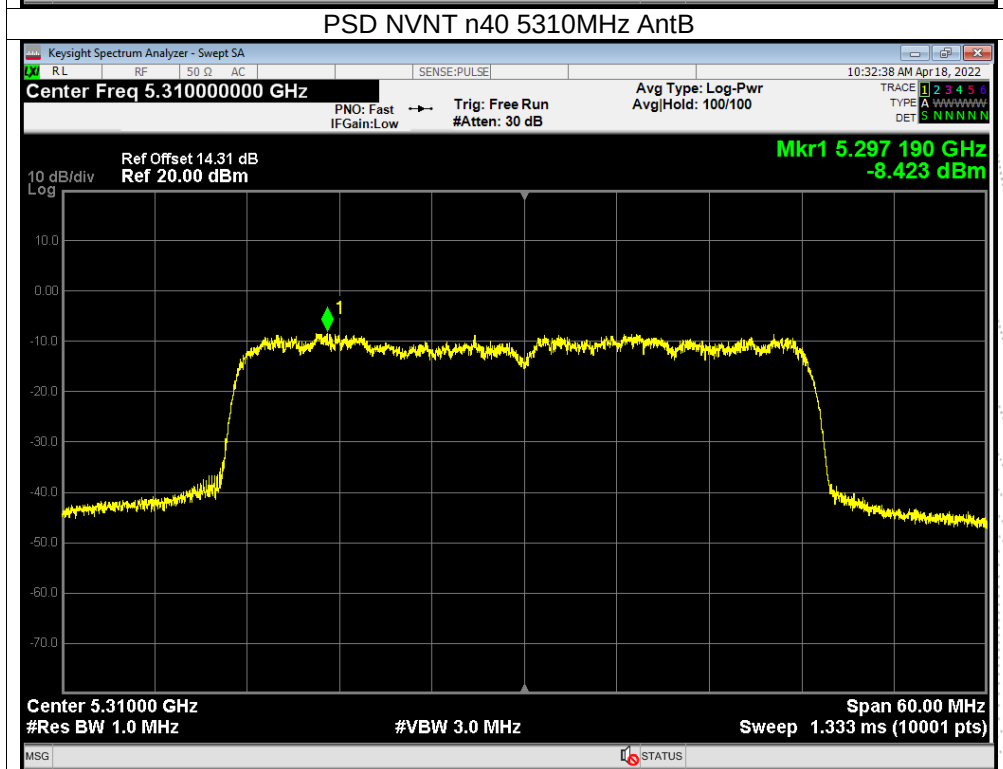
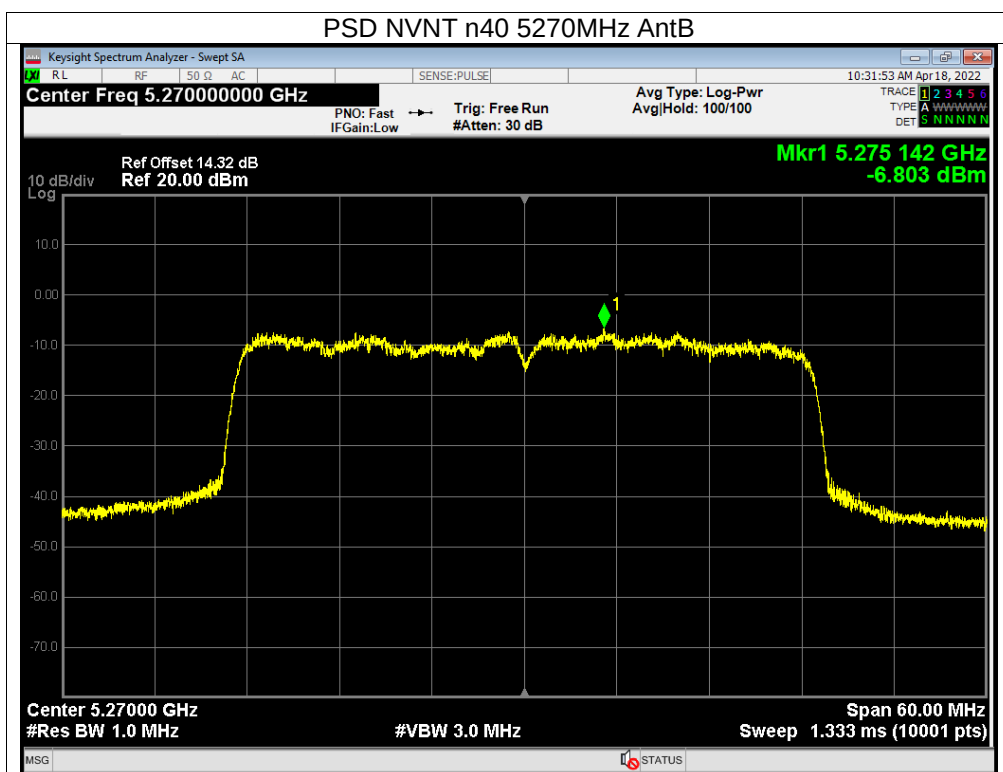
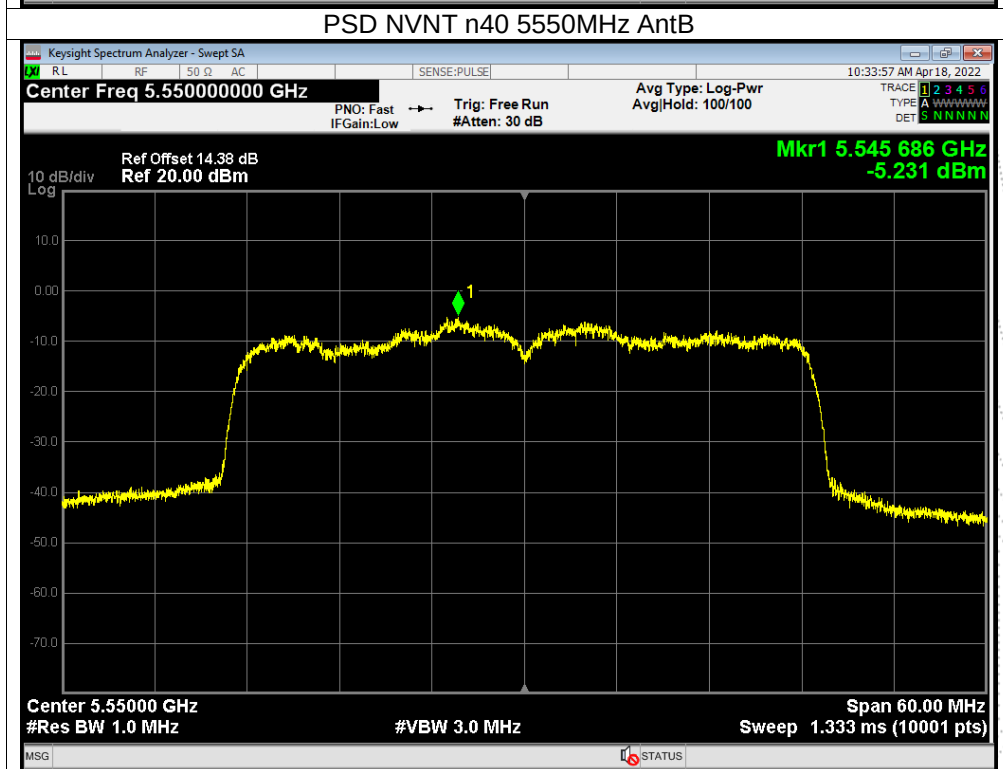
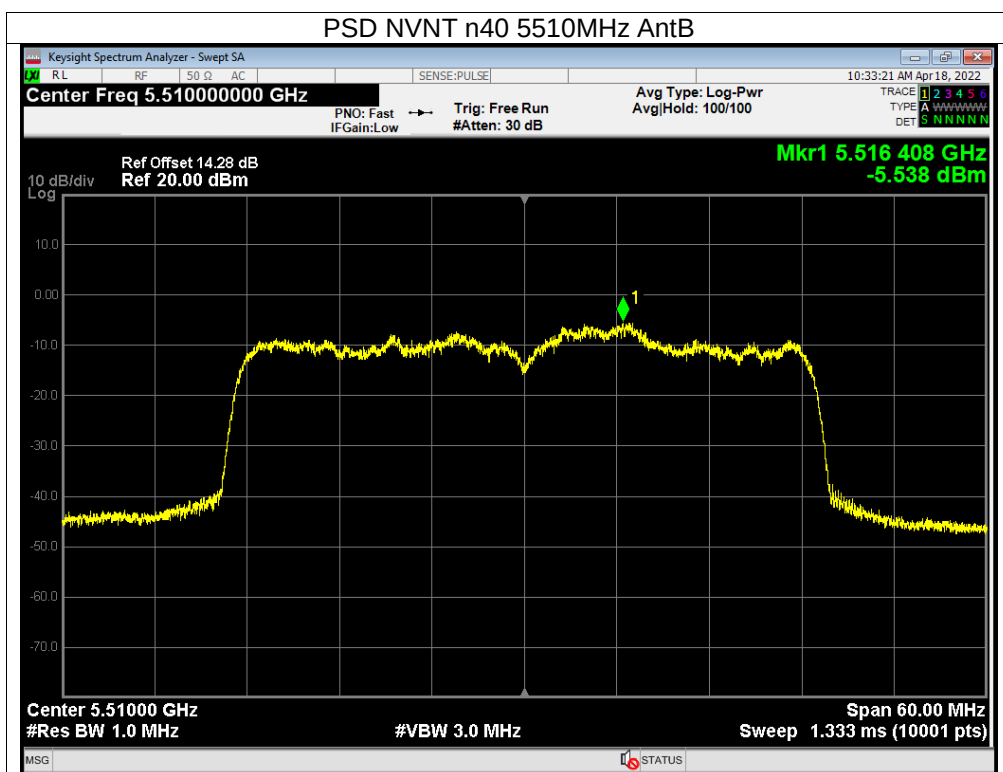
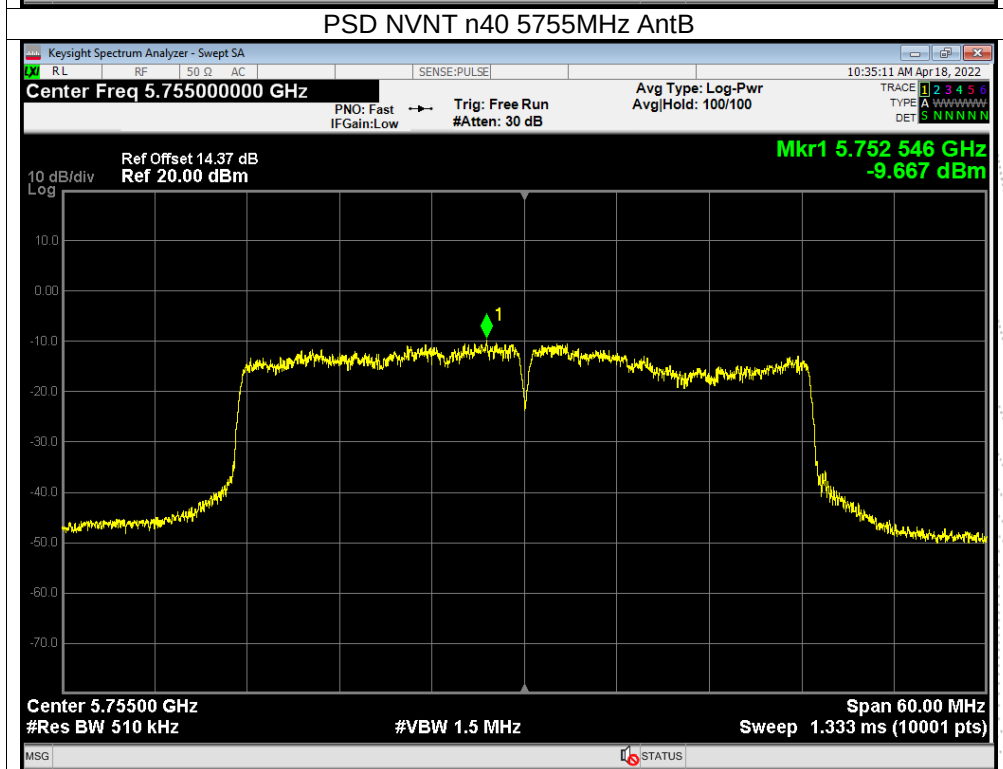
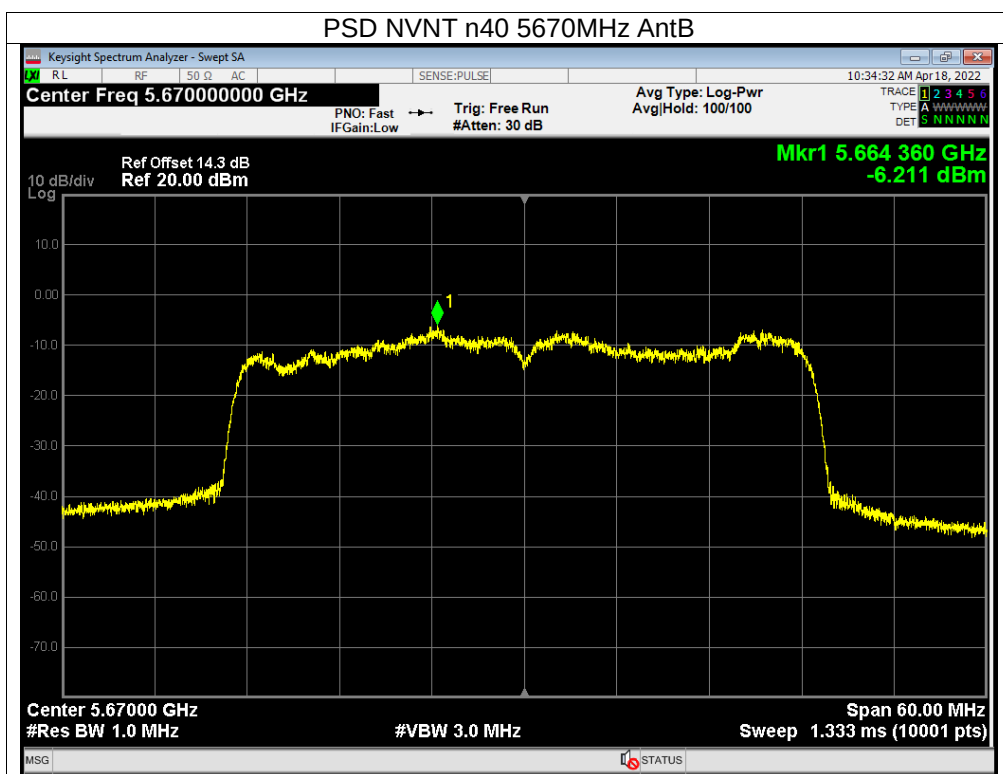
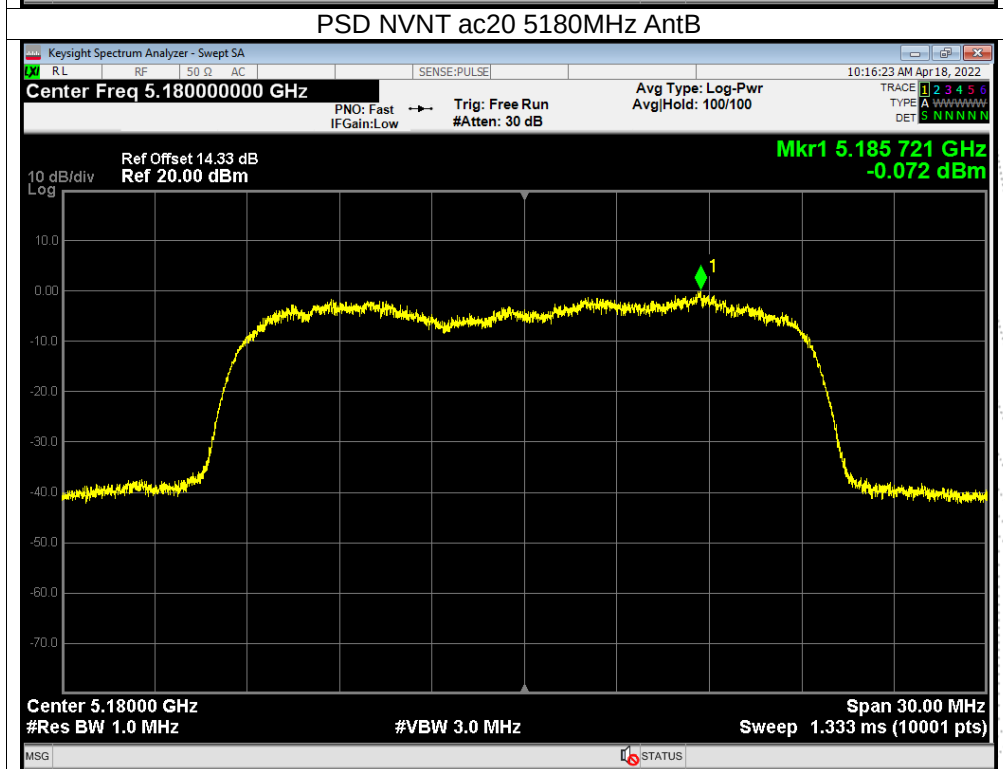
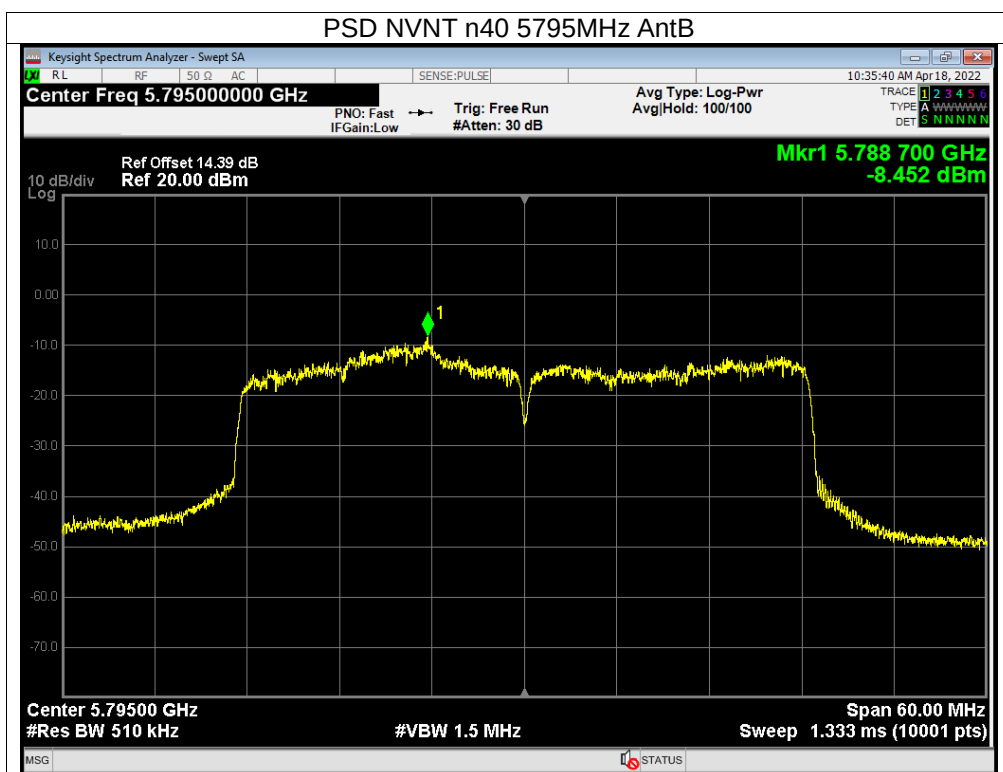


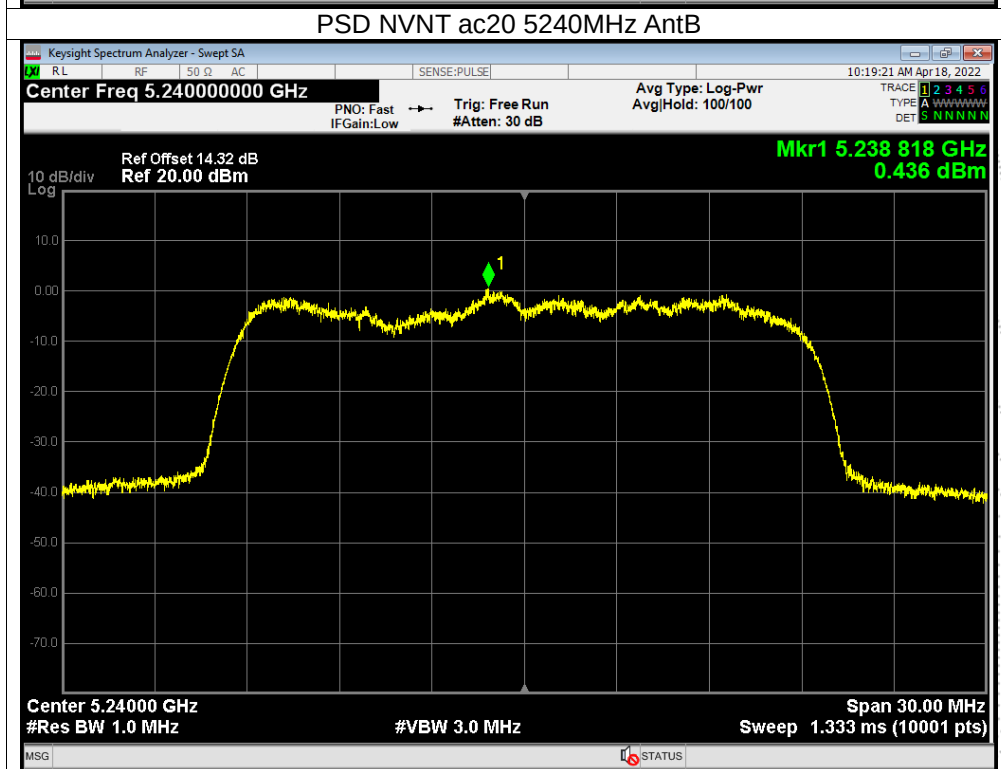
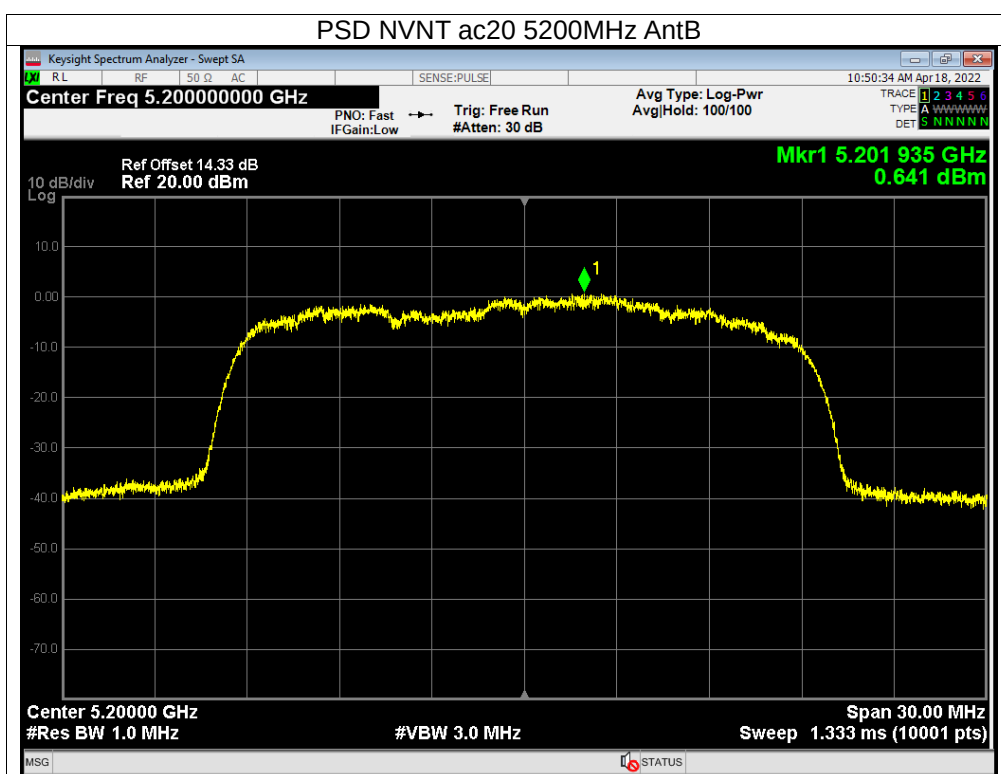


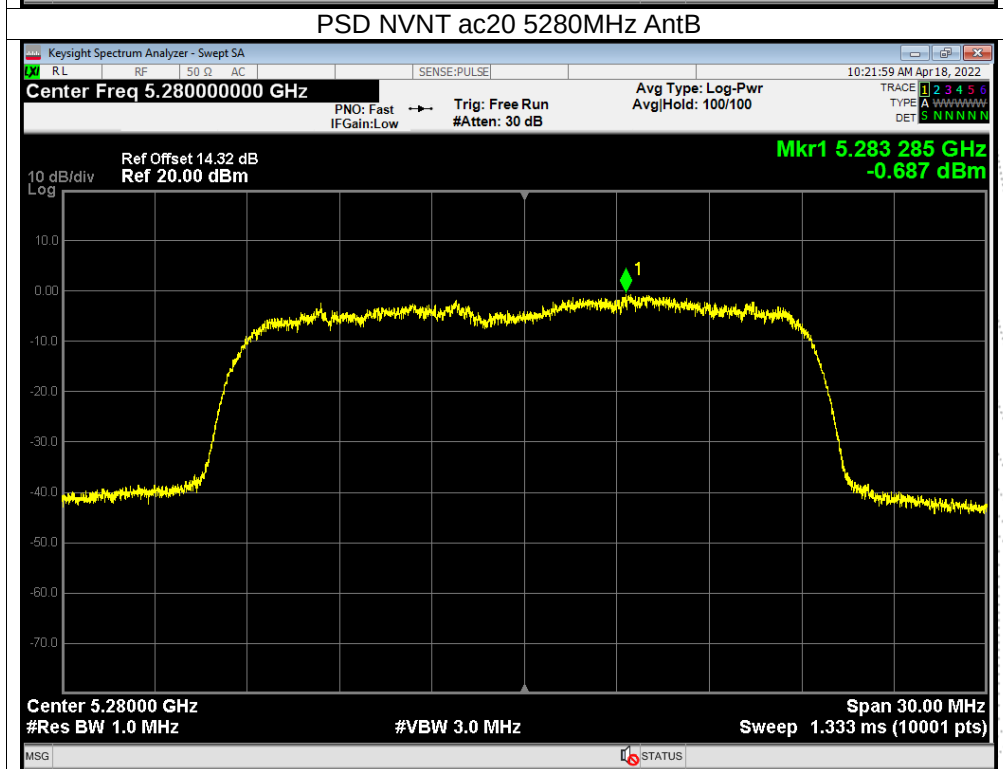
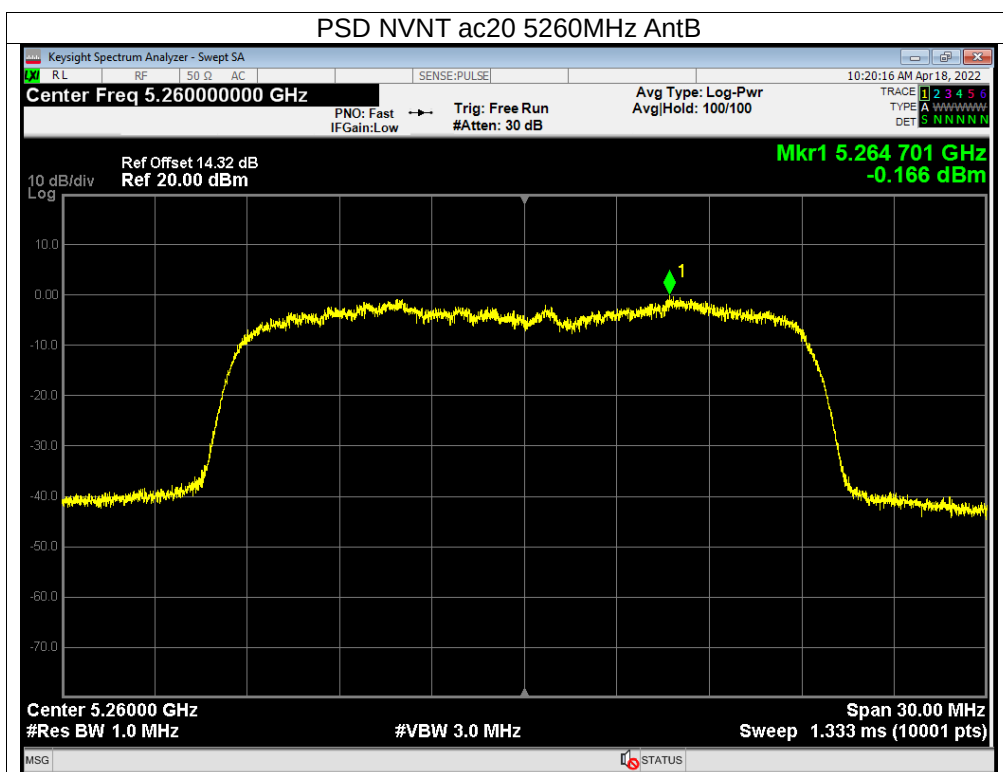


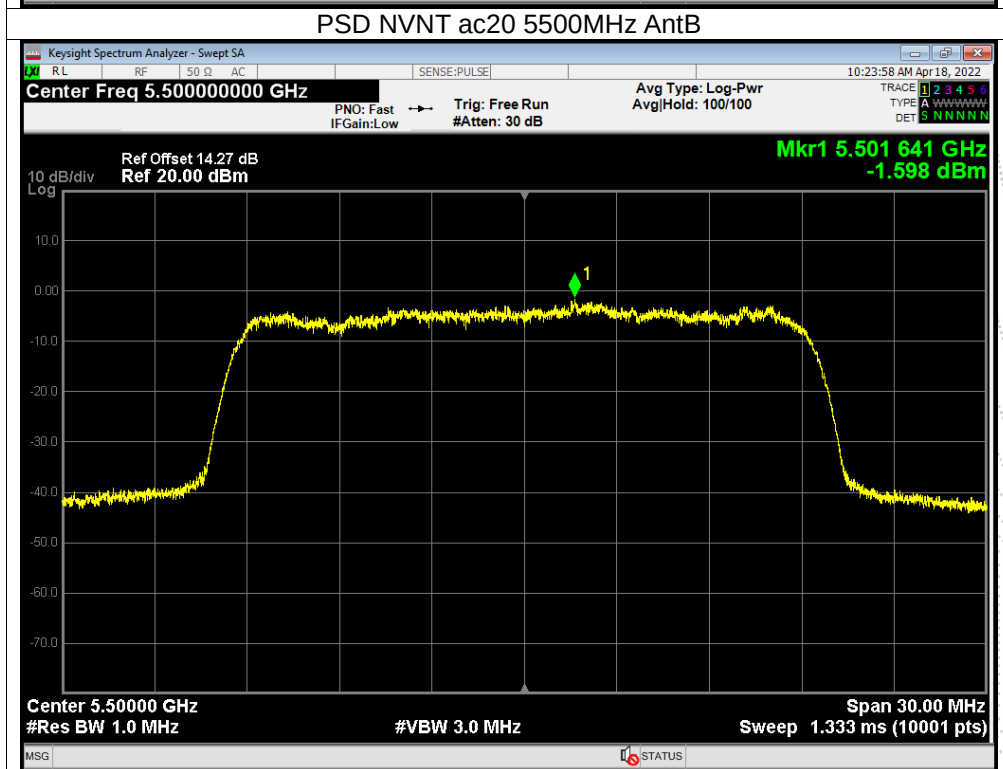
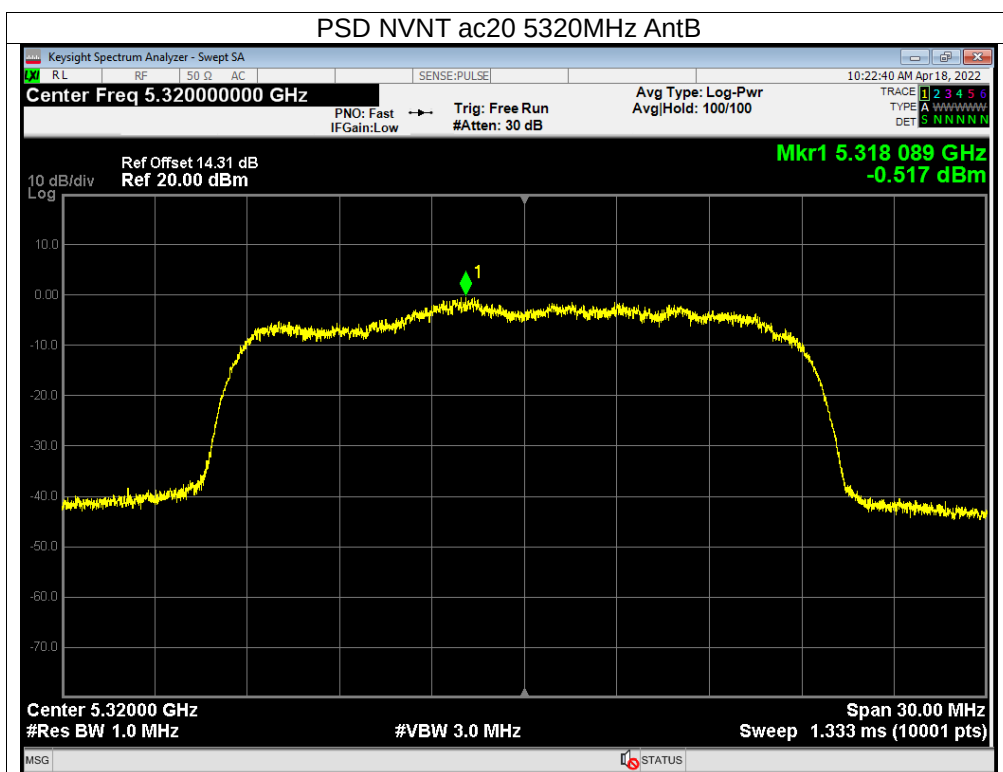


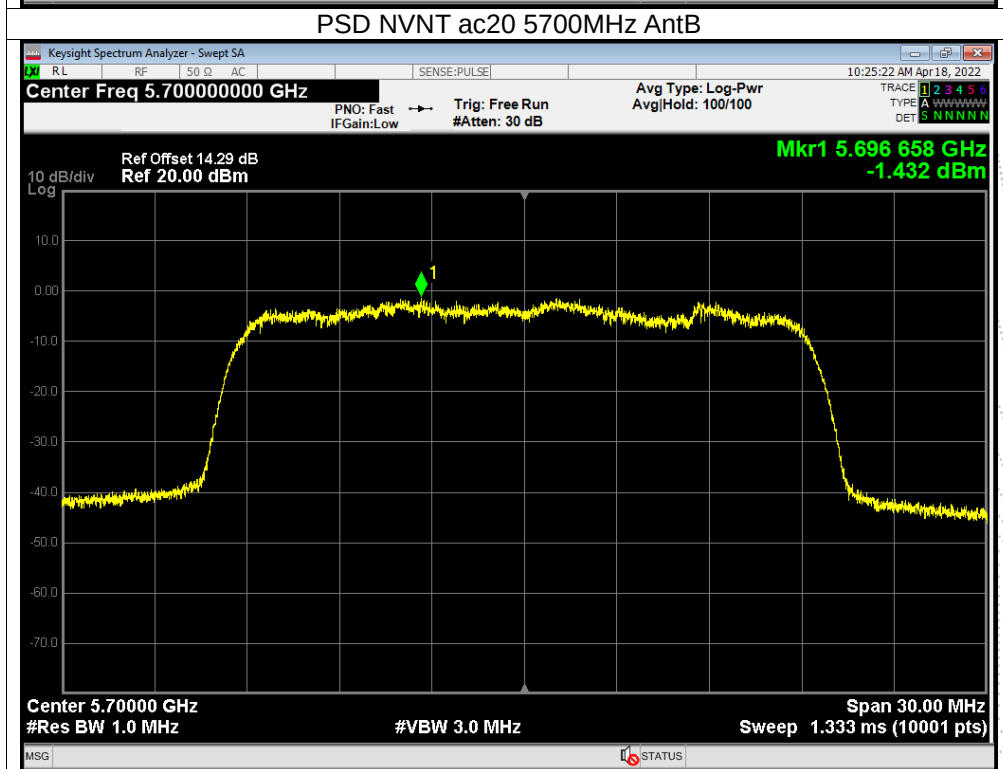
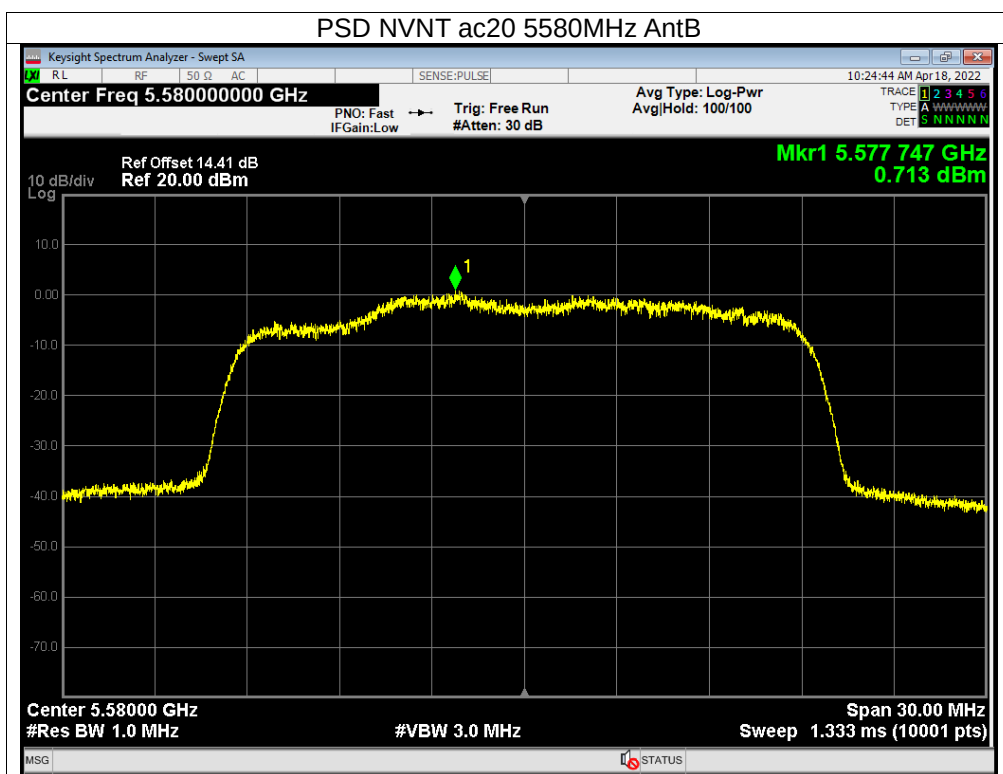


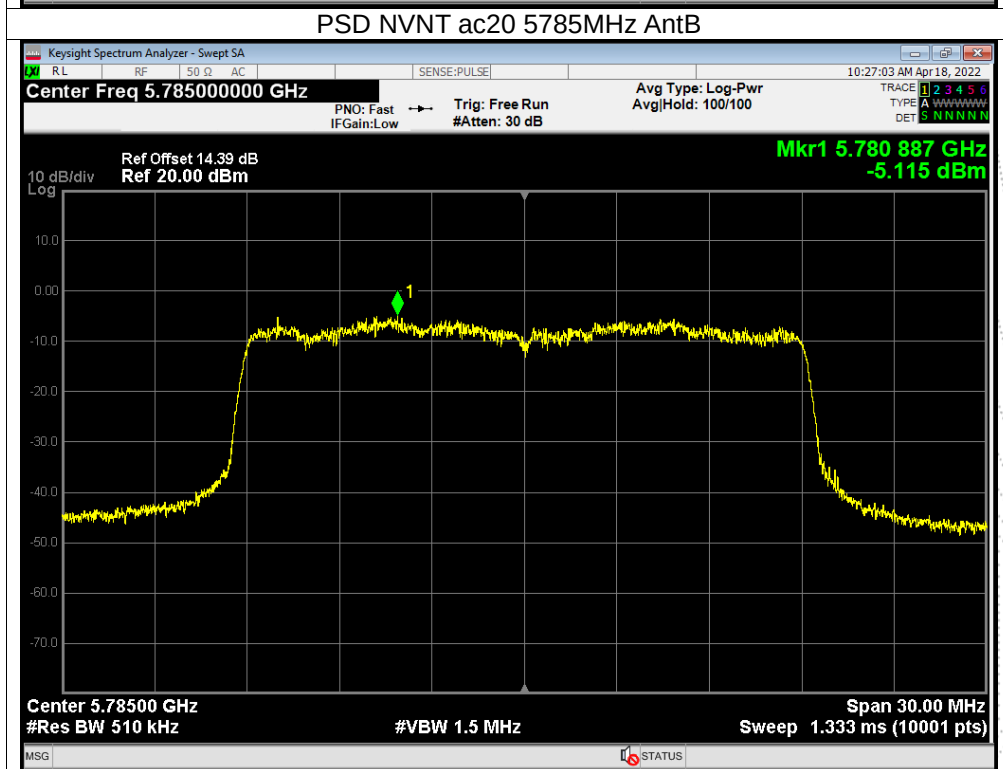
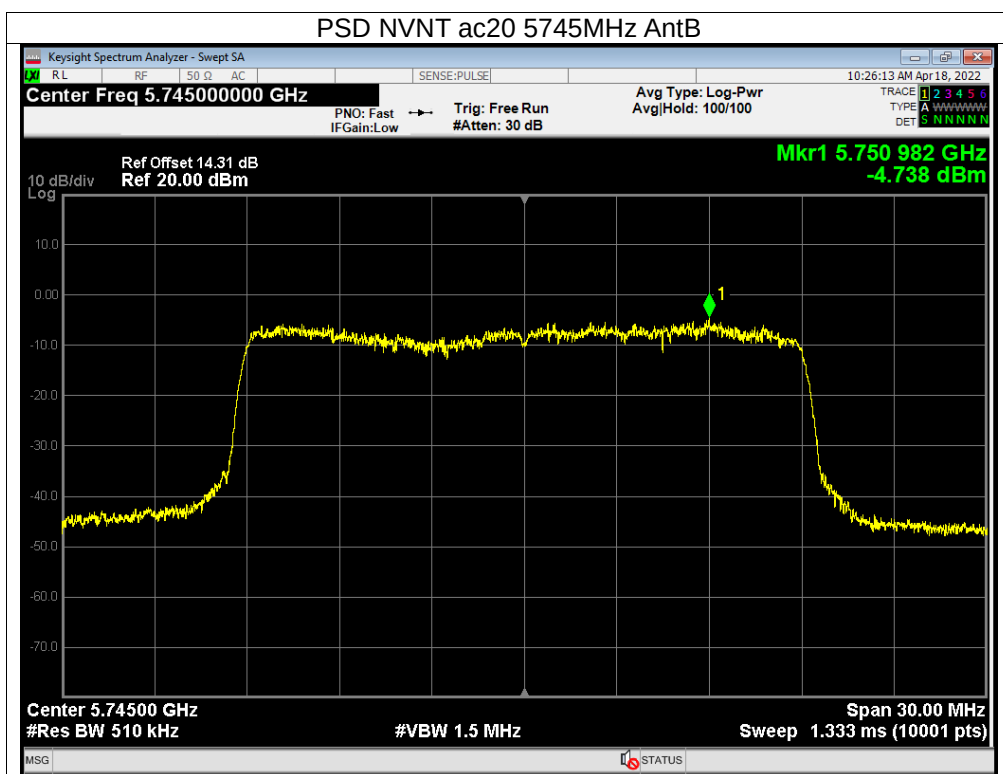


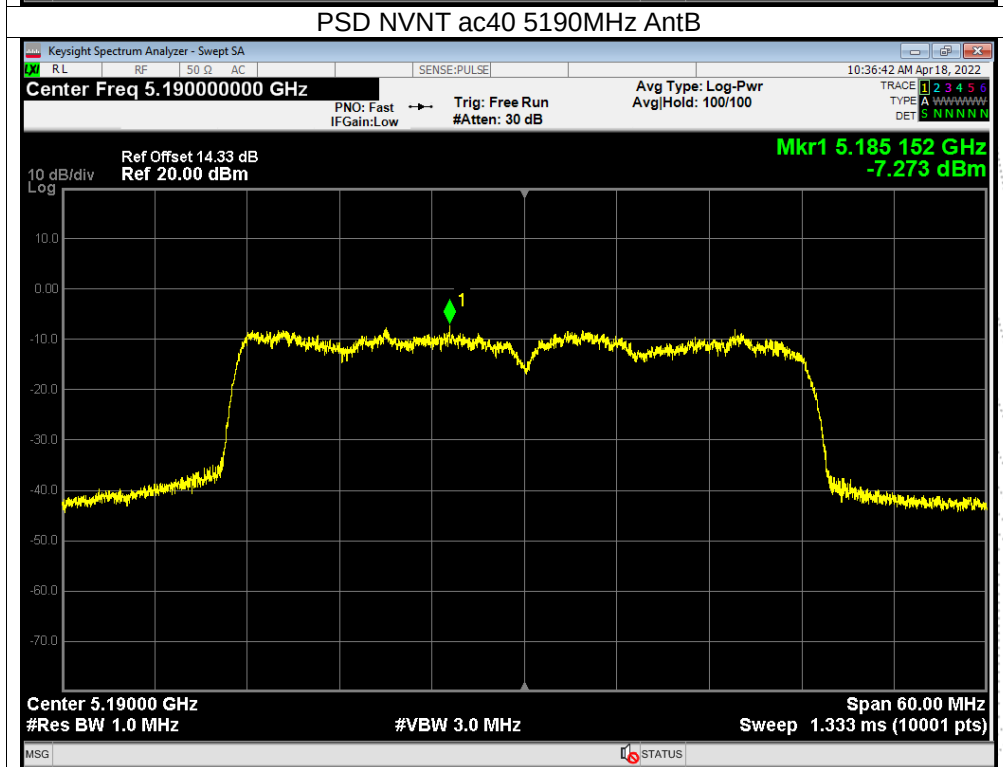
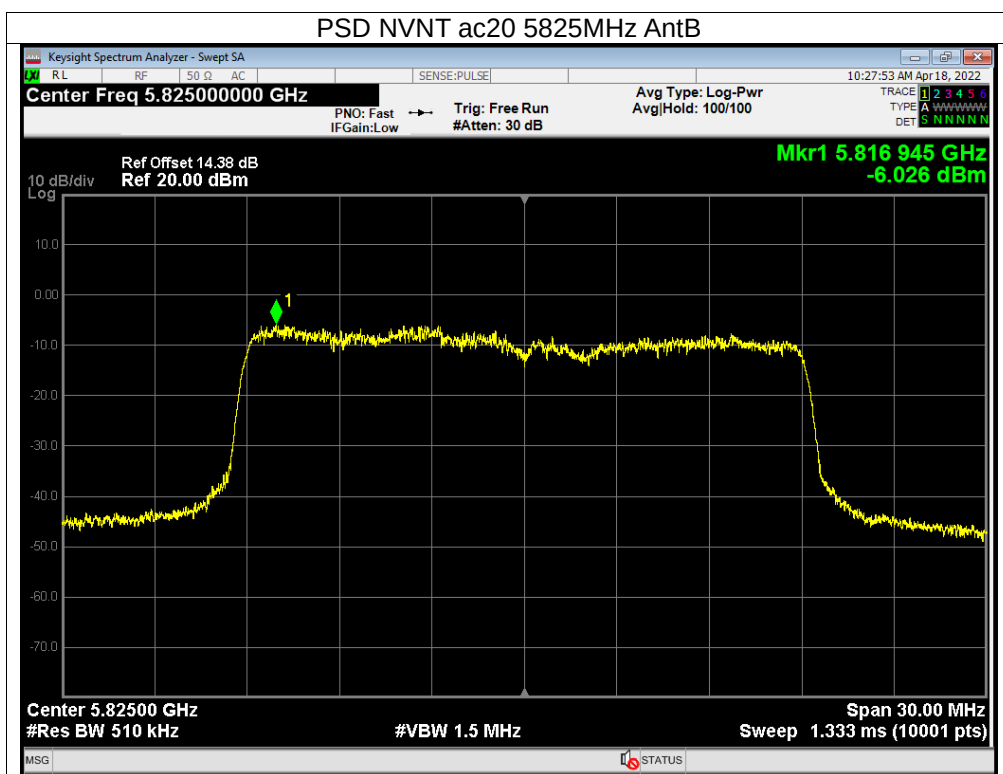


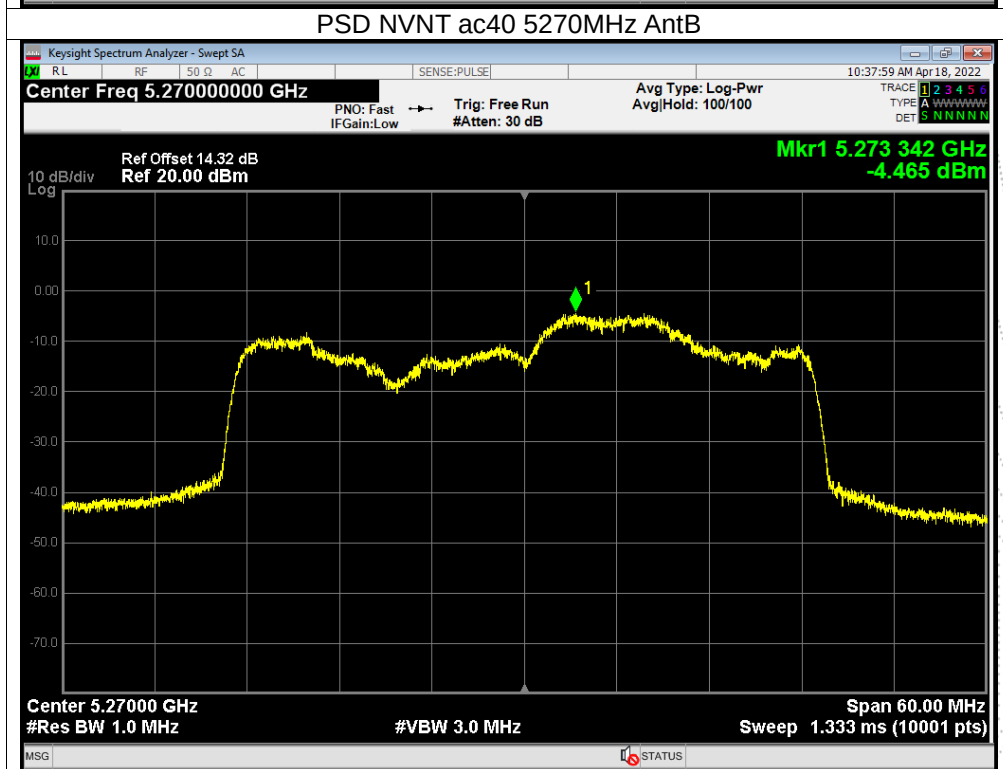
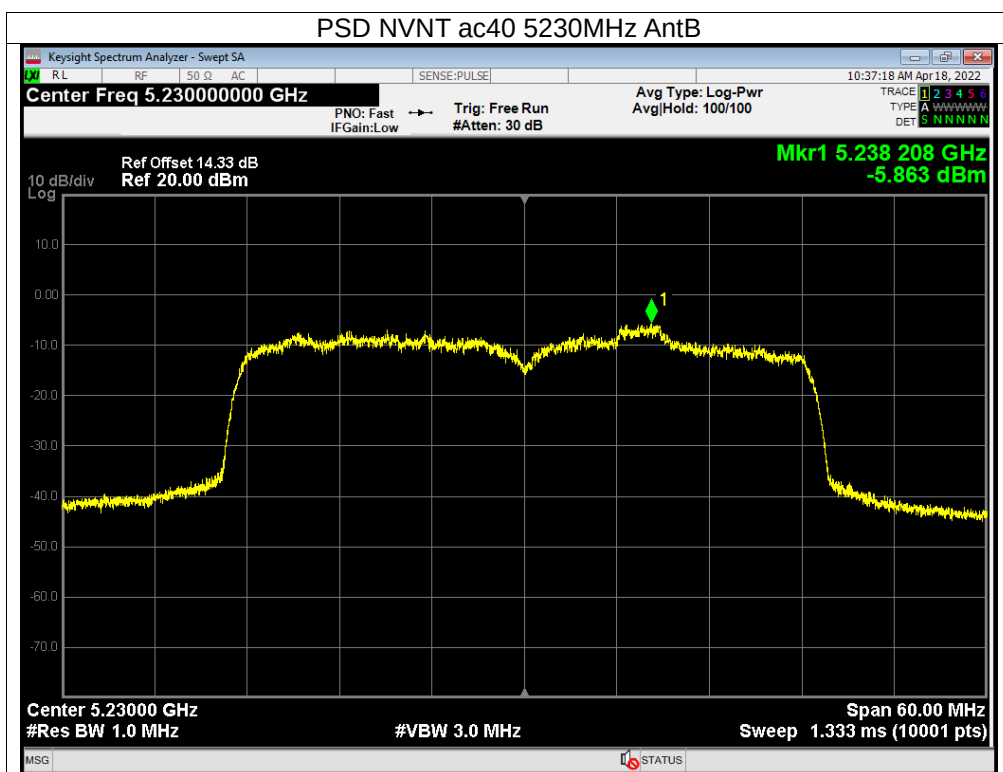


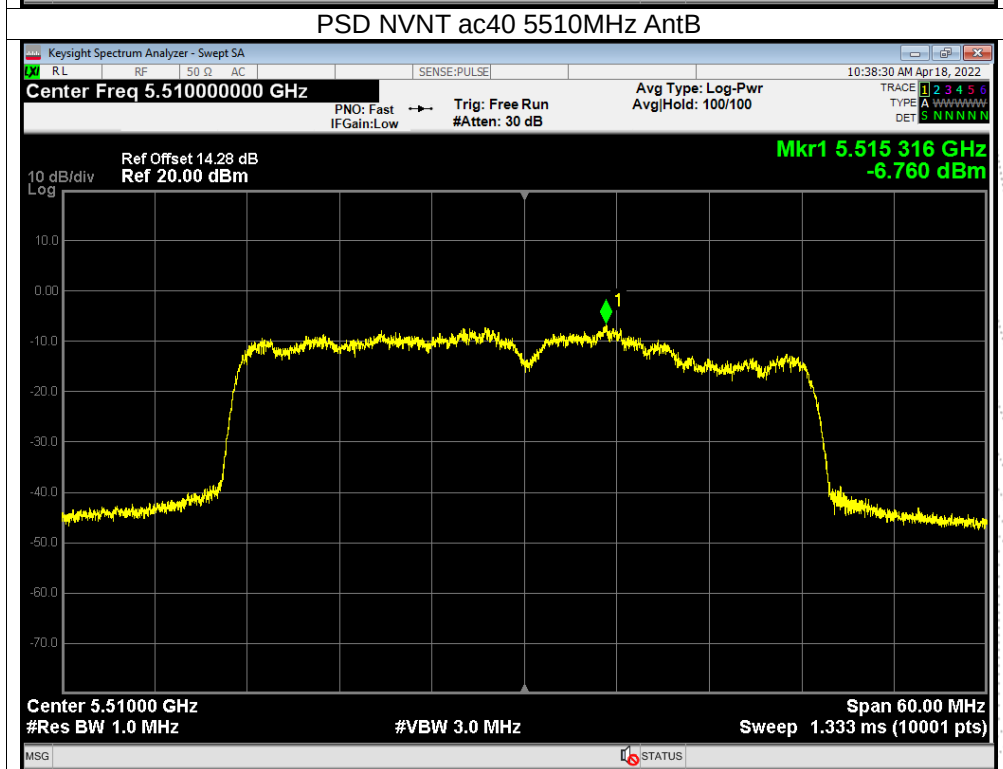
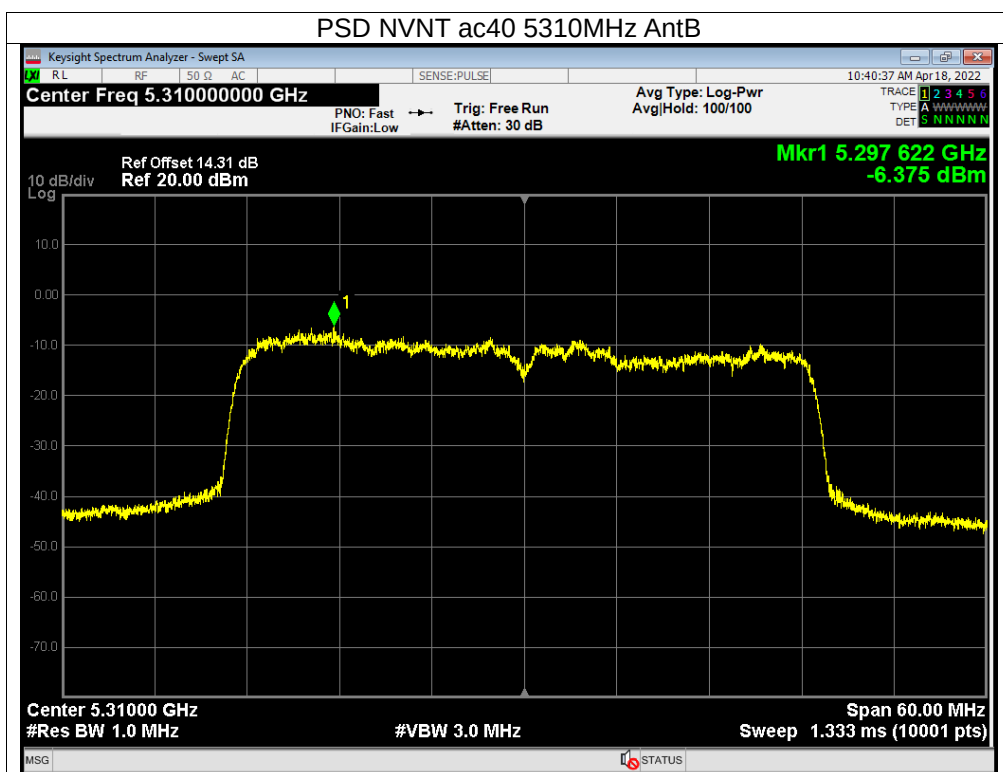


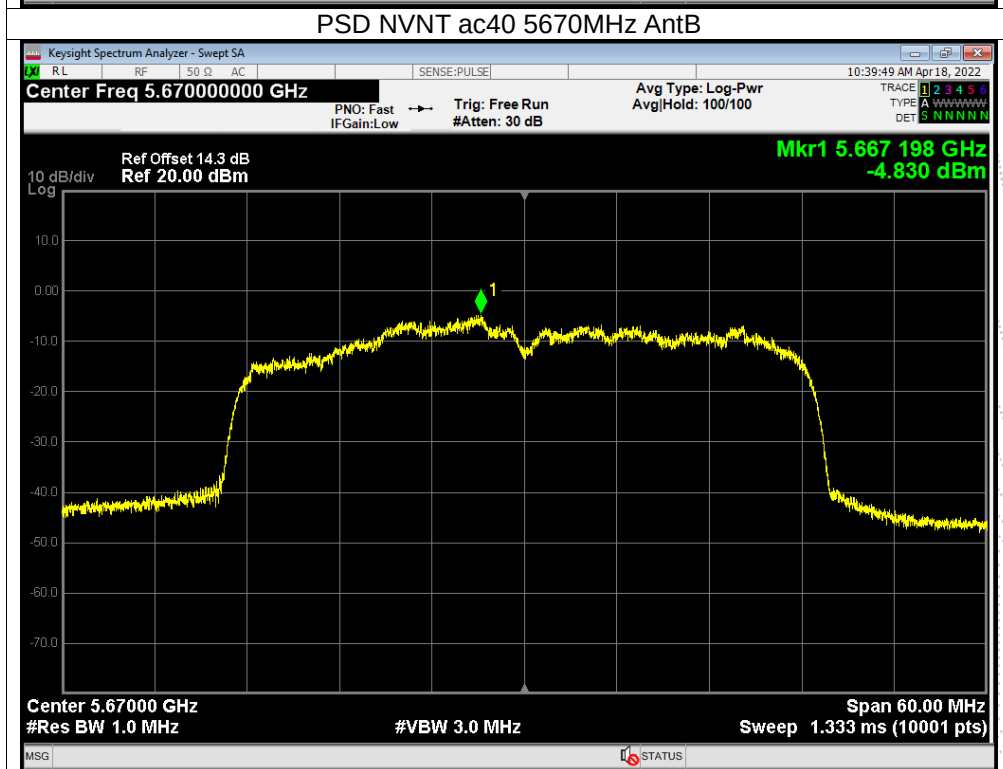
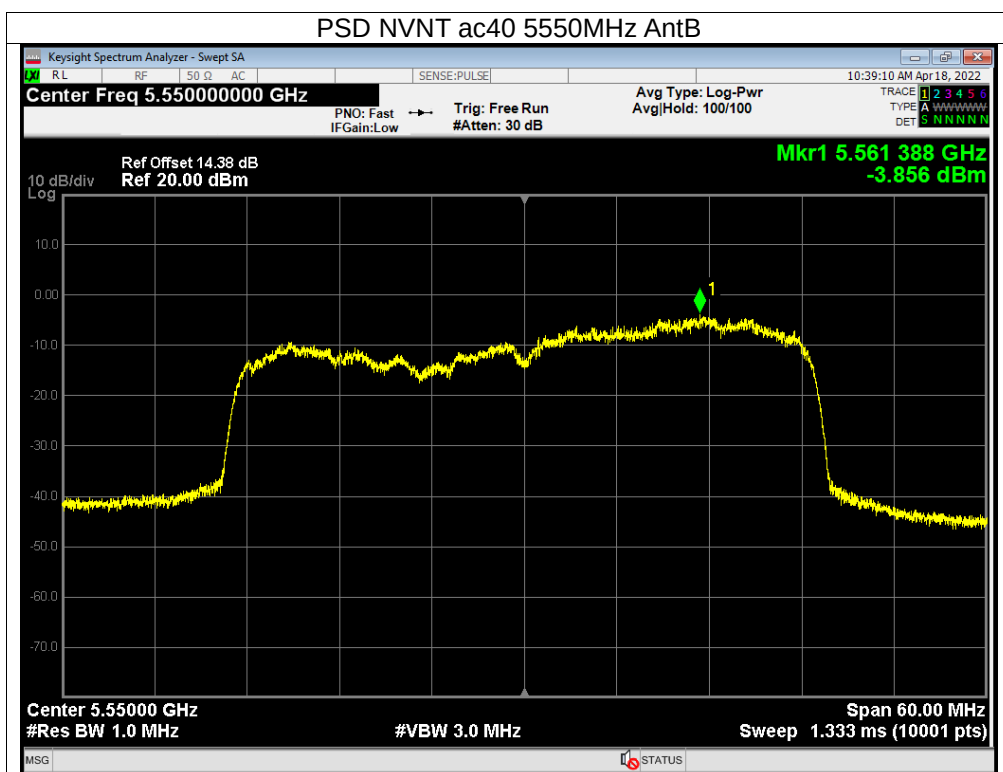


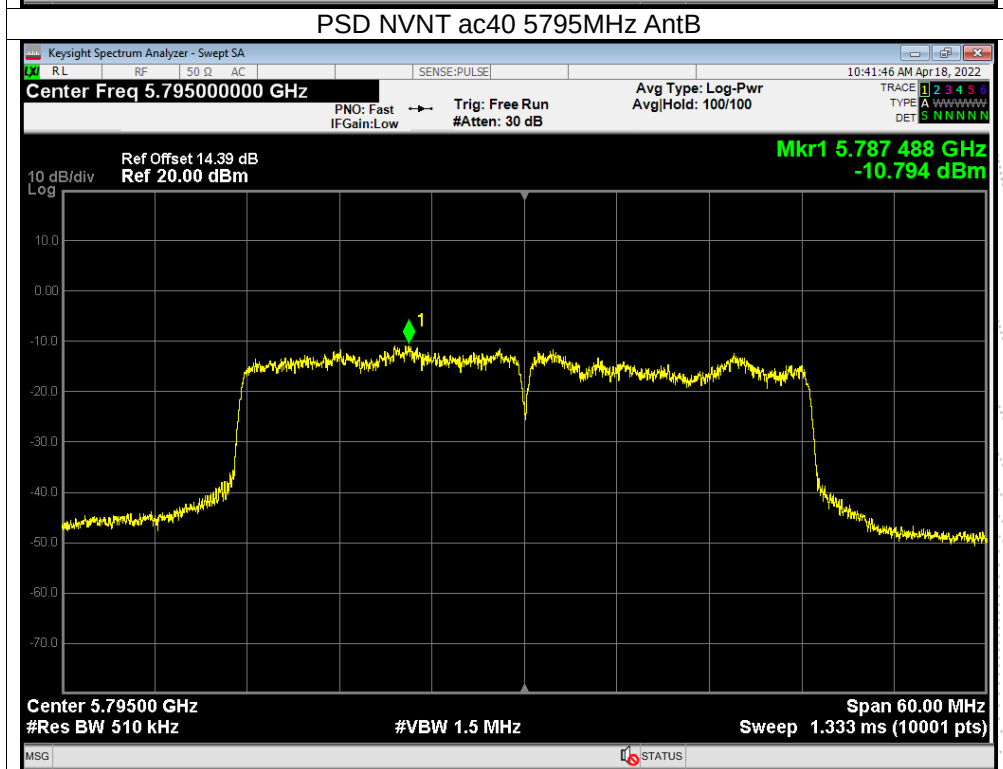
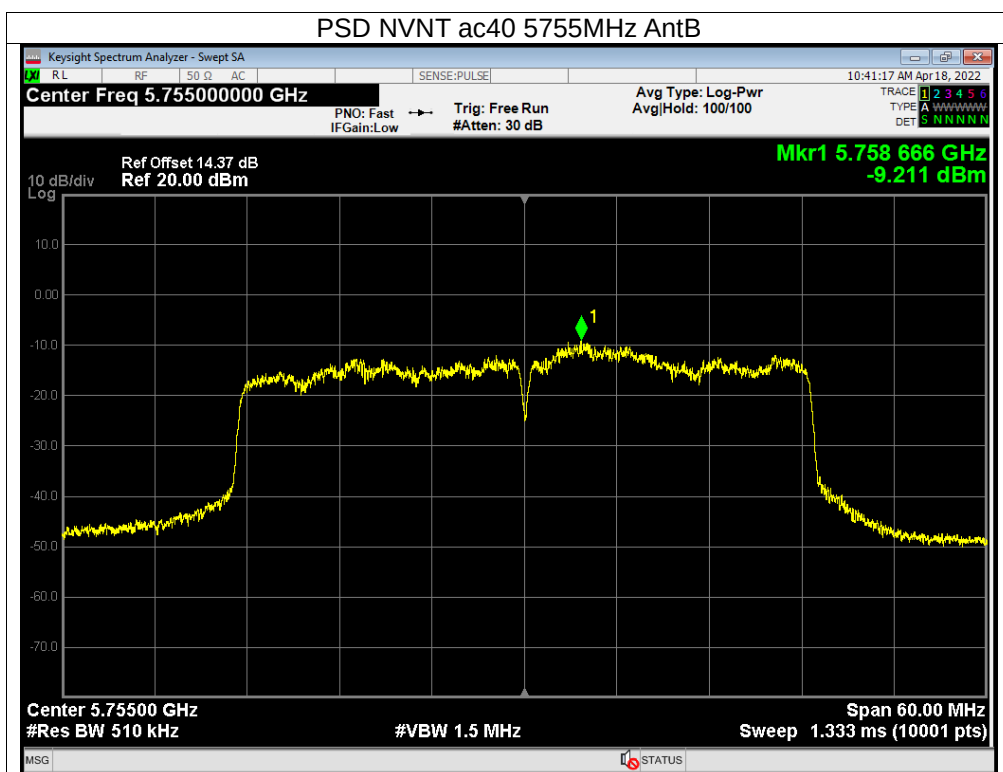


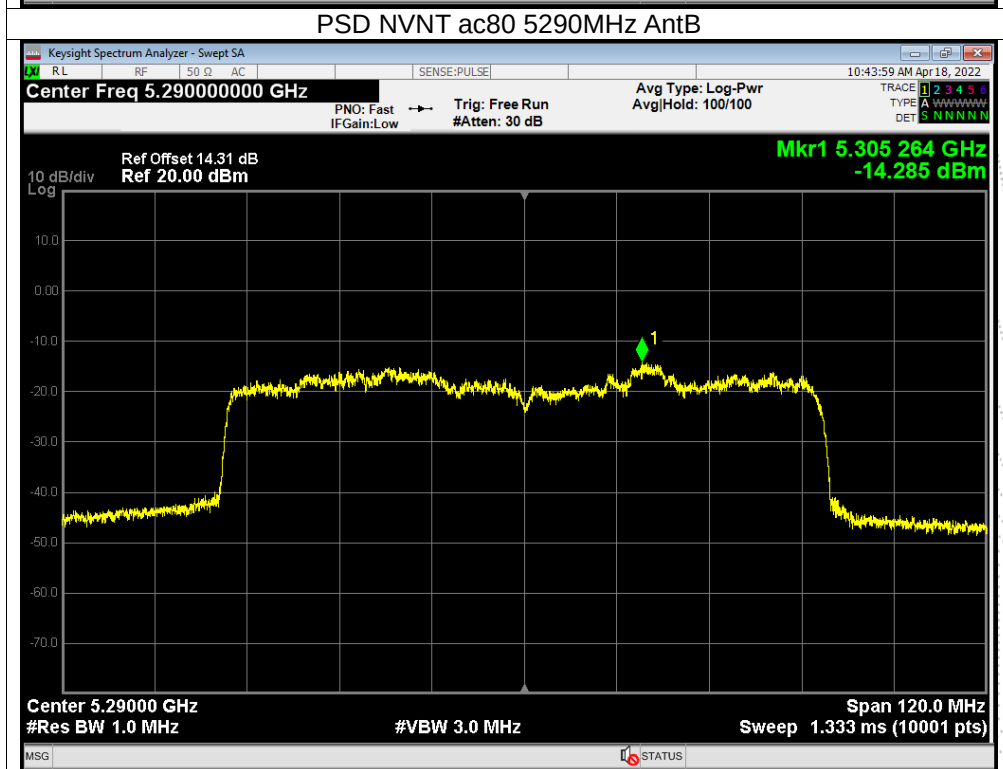
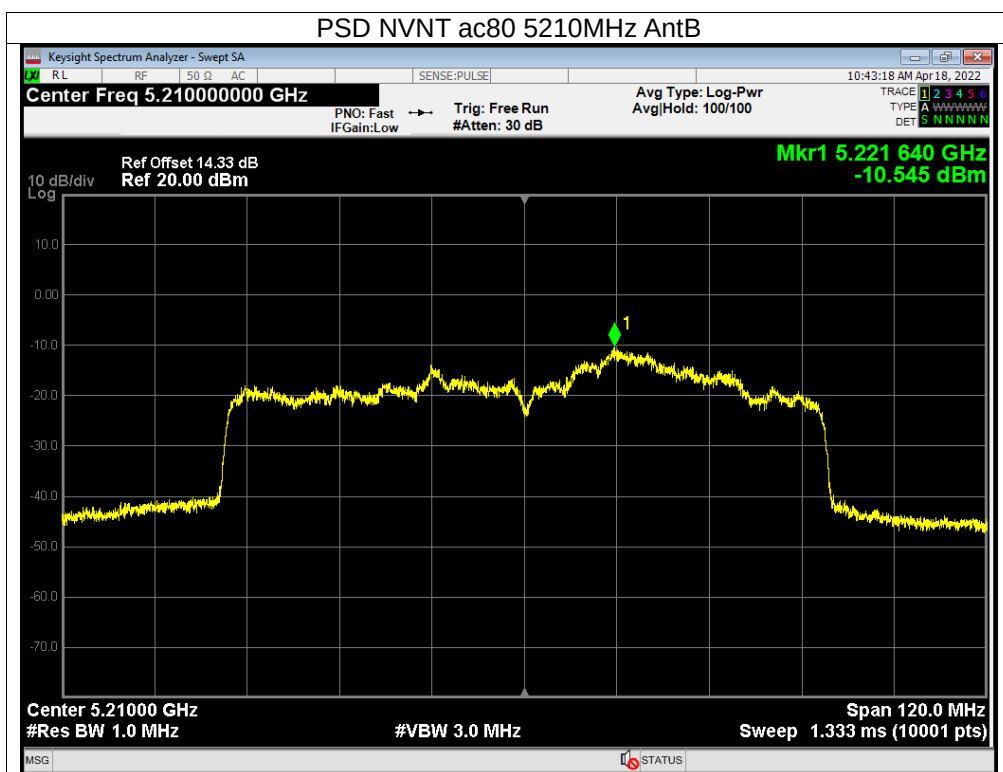


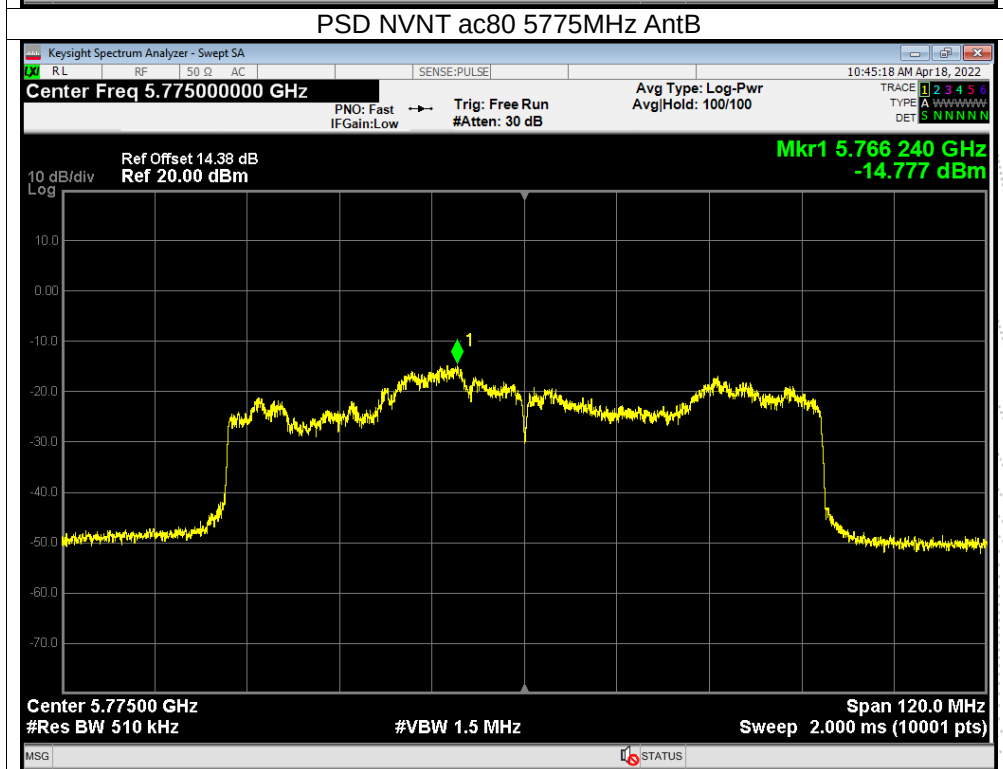
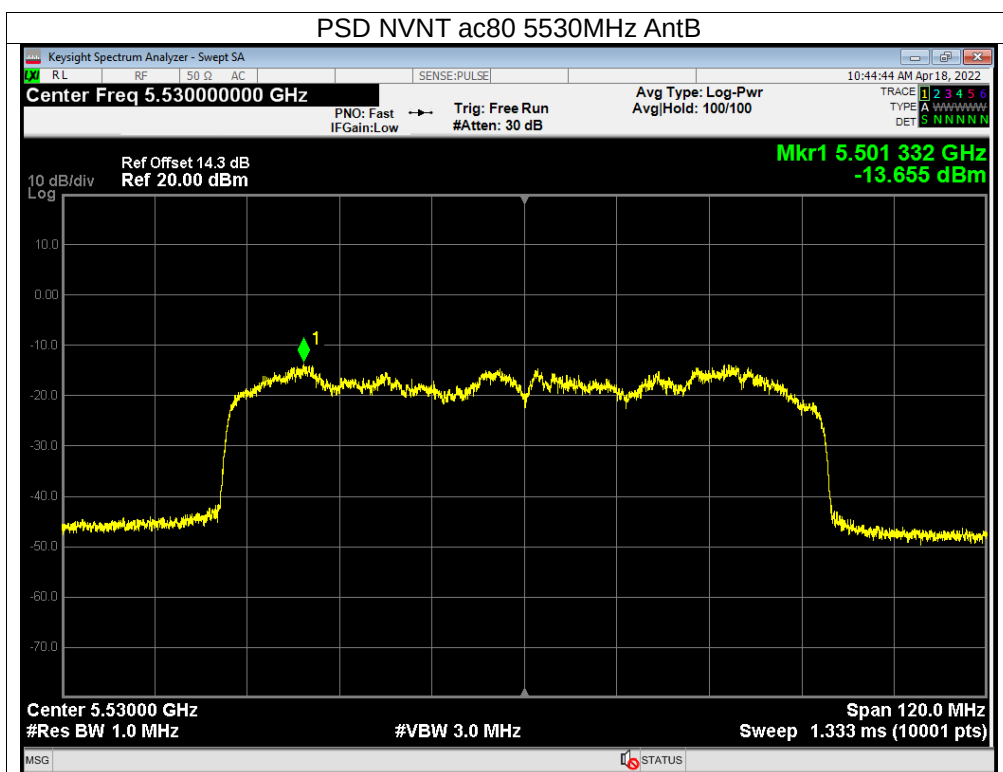






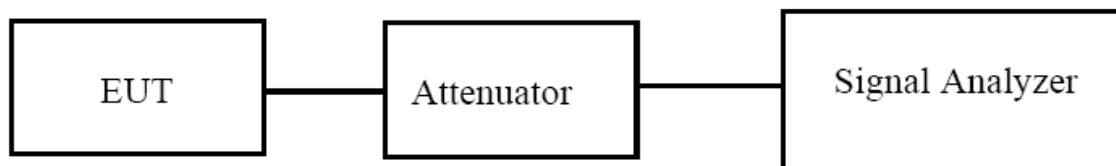






9. 26dB & 6dB & 99% Emission Bandwidth

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

- a) Set RBW = approximately 1% of the emission bandwidth.
- b) Set the VBW > RBW.
- c) Detector = Peak.
- d) Trace mode = max hold.
- e) 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:

1. Set center frequency to the nominal EUT channel center frequency.
2. Set span = 1.5 times to 5.0 times the OBW.
3. Set RBW = 1 % to 5 % of the OBW
4. Set VBW $\geq 3 \cdot$ RBW
5. 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.
6. Use the 99 % power bandwidth function of the instrument (if available).
7. 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

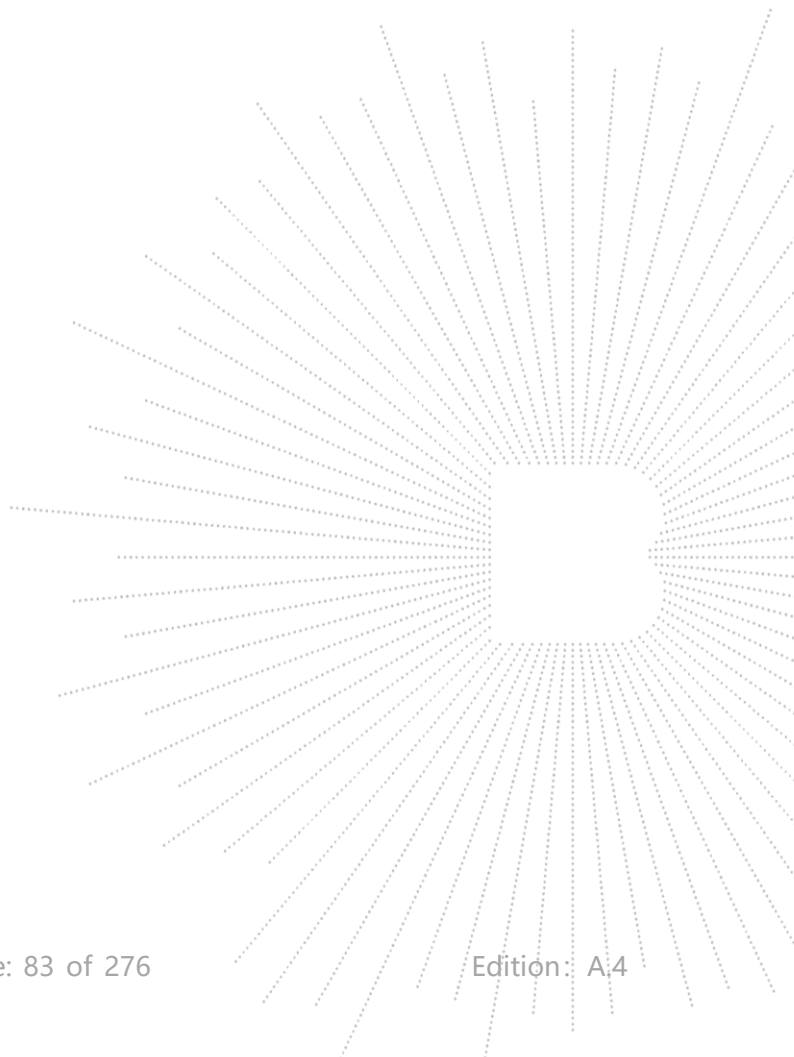
Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Test Voltage:	AC120V/60Hz
Test Mode:	(U-NII-1, U-NII-2A, U-NII-2C, U-NII-3)		

Condition	Mode	Frequency (MHz)	-26 dB Bandwidth (MHz)		Verdict
			AntA	AntB	
NVNT	a	5180	18.378	17.934	Pass
NVNT	a	5200	18.725	18.406	Pass
NVNT	a	5240	18.869	18.769	Pass
NVNT	a	5260	18.505	18.115	Pass
NVNT	a	5280	18.613	18.482	Pass
NVNT	a	5320	18.868	18.595	Pass
NVNT	a	5500	18.678	18.465	Pass
NVNT	a	5580	18.696	18.427	Pass
NVNT	a	5700	18.609	18.285	Pass
NVNT	n20	5180	19.592	19.271	Pass
NVNT	n20	5200	19.662	19.448	Pass
NVNT	n20	5240	19.399	19.096	Pass
NVNT	n20	5260	19.579	19.206	Pass
NVNT	n20	5280	19.482	19.122	Pass
NVNT	n20	5320	19.493	19.394	Pass
NVNT	n20	5500	19.532	19.073	Pass
NVNT	n20	5580	19.603	19.545	Pass
NVNT	n20	5700	19.614	19.451	Pass
NVNT	n40	5190	44.812	44.350	Pass
NVNT	n40	5230	40.204	39.756	Pass
NVNT	n40	5270	40.346	40.287	Pass
NVNT	n40	5310	40.293	39.842	Pass
NVNT	n40	5510	40.206	39.963	Pass
NVNT	n40	5550	40.127	40.072	Pass
NVNT	n40	5670	40.684	40.367	Pass
NVNT	ac20	5180	24.756	24.481	Pass
NVNT	ac20	5200	25.715	25.432	Pass
NVNT	ac20	5240	21.548	21.405	Pass
NVNT	ac20	5260	19.527	19.333	Pass
NVNT	ac20	5280	19.673	19.422	Pass
NVNT	ac20	5320	19.597	19.302	Pass
NVNT	ac20	5500	19.635	19.400	Pass
NVNT	ac20	5580	19.722	19.291	Pass
NVNT	ac20	5700	19.468	19.073	Pass
NVNT	ac40	5190	40.408	40.112	Pass
NVNT	ac40	5230	40.509	40.146	Pass
NVNT	ac40	5270	40.636	40.379	Pass
NVNT	ac40	5310	40.204	40.088	Pass
NVNT	ac40	5510	40.002	39.930	Pass
NVNT	ac40	5550	40.383	40.151	Pass
NVNT	ac40	5670	40.644	40.291	Pass
NVNT	ac80	5210	79.210	78.789	Pass
NVNT	ac80	5290	79.302	79.138	Pass
NVNT	ac80	5530	79.596	79.454	Pass

Condition	Mode	Frequency (MHz)	-6 dB Bandwidth (MHz)		Verdict
			AntA	AntB	
NVNT	a	5745	16.349	16.339	Pass
NVNT	a	5785	16.326	16.130	Pass
NVNT	a	5825	16.333	15.840	Pass
NVNT	n20	5745	17.568	17.415	Pass
NVNT	n20	5785	16.906	16.851	Pass
NVNT	n20	5825	17.169	16.687	Pass
NVNT	n40	5755	35.079	34.654	Pass
NVNT	n40	5795	35.054	34.868	Pass
NVNT	ac20	5745	17.558	17.377	Pass
NVNT	ac20	5785	16.775	16.703	Pass
NVNT	ac20	5825	17.539	17.206	Pass
NVNT	ac40	5755	35.070	34.955	Pass
NVNT	ac40	5795	35.130	34.989	Pass
NVNT	ac80	5775	73.814	73.567	Pass

Condition	Mode	Frequency (MHz)	99% OBW (MHz)		Verdict
			AntA	AntB	
NVNT	a	5180	16.355	16.314	Pass
NVNT	a	5200	16.353	16.061	Pass
NVNT	a	5240	16.352	16.169	Pass
NVNT	a	5260	16.335	16.167	Pass
NVNT	a	5280	16.338	16.074	Pass
NVNT	a	5320	16.350	15.854	Pass
NVNT	a	5500	16.349	16.119	Pass
NVNT	a	5580	16.347	15.893	Pass
NVNT	a	5700	16.349	16.109	Pass
NVNT	a	5745	16.361	15.951	Pass
NVNT	a	5785	16.343	16.262	Pass
NVNT	a	5825	16.370	16.246	Pass
NVNT	n20	5180	17.532	17.186	Pass
NVNT	n20	5200	17.527	17.265	Pass
NVNT	n20	5240	17.529	17.471	Pass
NVNT	n20	5260	17.528	17.397	Pass
NVNT	n20	5280	17.529	17.156	Pass
NVNT	n20	5320	17.526	17.449	Pass
NVNT	n20	5500	17.520	17.448	Pass
NVNT	n20	5580	17.533	17.447	Pass
NVNT	n20	5700	17.529	17.296	Pass
NVNT	n20	5745	17.541	17.528	Pass
NVNT	n20	5785	17.533	17.533	Pass
NVNT	n20	5825	17.528	17.116	Pass
NVNT	n40	5190	36.132	35.984	Pass
NVNT	n40	5230	36.054	35.568	Pass
NVNT	n40	5270	36.028	35.872	Pass
NVNT	n40	5310	36.087	35.959	Pass
NVNT	n40	5510	36.038	35.548	Pass
NVNT	n40	5550	36.115	36.070	Pass
NVNT	n40	5670	36.045	35.805	Pass
NVNT	n40	5755	36.052	35.716	Pass
NVNT	n40	5795	35.991	35.595	Pass

NVNT	ac20	5180	17.578	17.137	Pass
NVNT	ac20	5200	17.571	17.539	Pass
NVNT	ac20	5240	17.558	17.493	Pass
NVNT	ac20	5260	17.526	17.329	Pass
NVNT	ac20	5280	17.542	17.272	Pass
NVNT	ac20	5320	17.532	17.207	Pass
NVNT	ac20	5500	17.523	17.512	Pass
NVNT	ac20	5580	17.533	17.451	Pass
NVNT	ac20	5700	17.527	17.128	Pass
NVNT	ac20	5745	17.539	17.095	Pass
NVNT	ac20	5785	17.524	17.175	Pass
NVNT	ac20	5825	17.528	17.404	Pass
NVNT	ac40	5190	36.043	35.677	Pass
NVNT	ac40	5230	36.069	35.864	Pass
NVNT	ac40	5270	36.067	35.687	Pass
NVNT	ac40	5310	36.067	35.991	Pass
NVNT	ac40	5510	36.004	35.848	Pass
NVNT	ac40	5550	36.108	36.049	Pass
NVNT	ac40	5670	36.095	35.681	Pass
NVNT	ac40	5755	36.024	35.688	Pass
NVNT	ac40	5795	35.957	35.910	Pass
NVNT	ac80	5210	74.488	74.368	Pass
NVNT	ac80	5290	74.872	74.373	Pass
NVNT	ac80	5530	74.274	74.140	Pass
NVNT	ac80	5775	74.521	74.125	Pass



Note: A(B) Represent the value of antenna A and B, The worst data is Antenna A, only shown Antenna A Plot.

