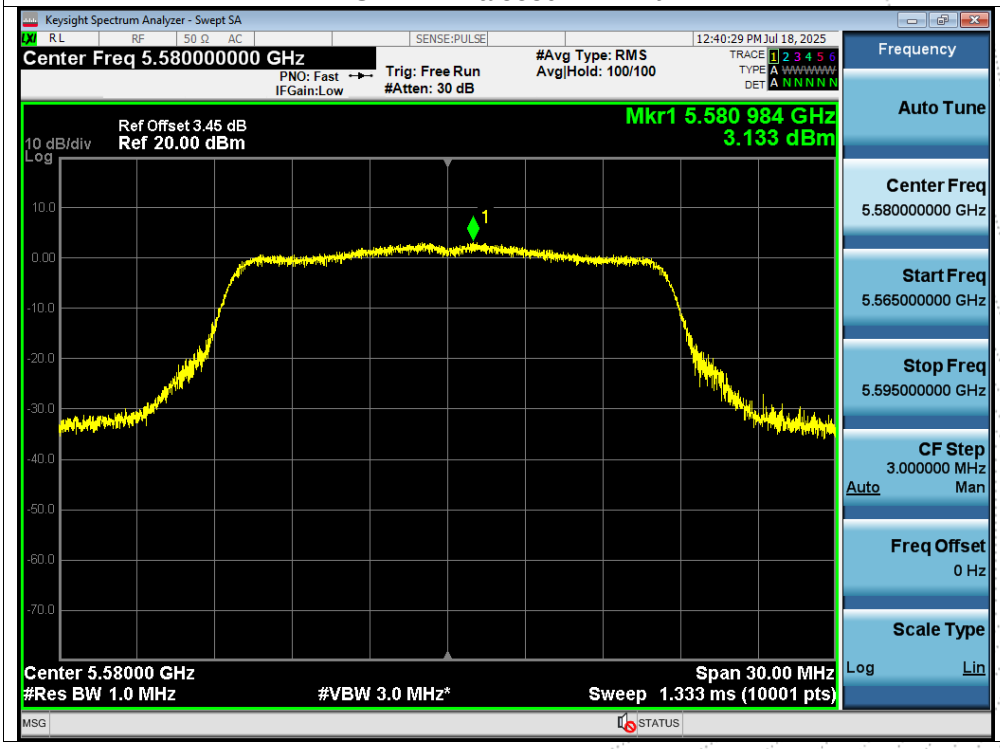
Ant A:

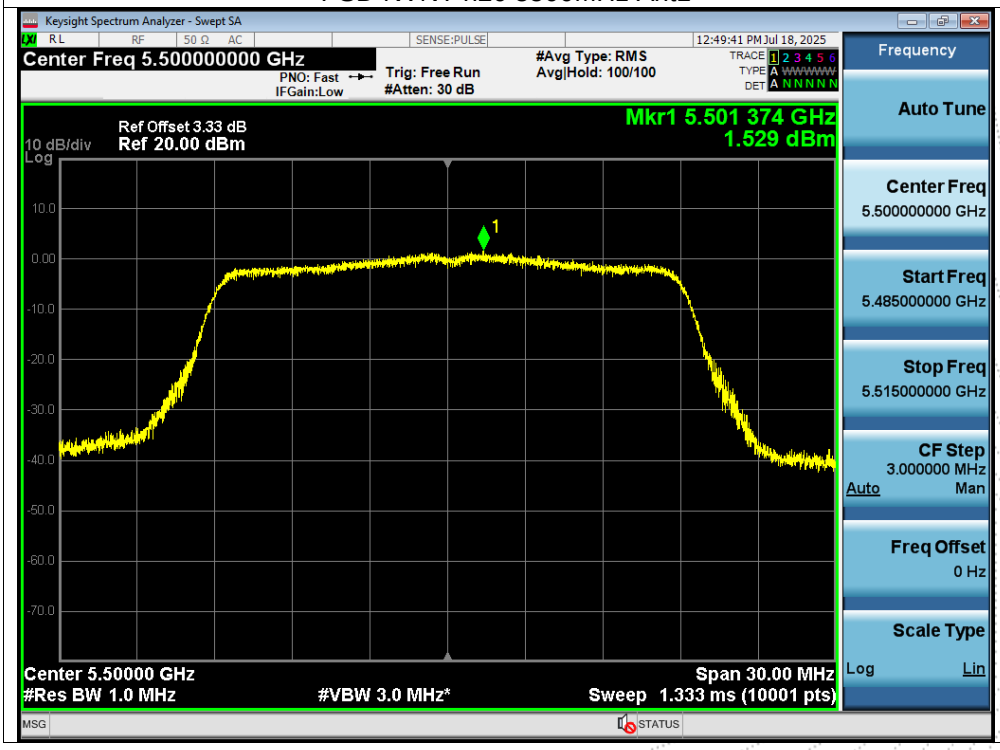
Test Graphs
PSD NVNT a 5500MHz Ant1

PSD NVNT a 5580MHz Ant1



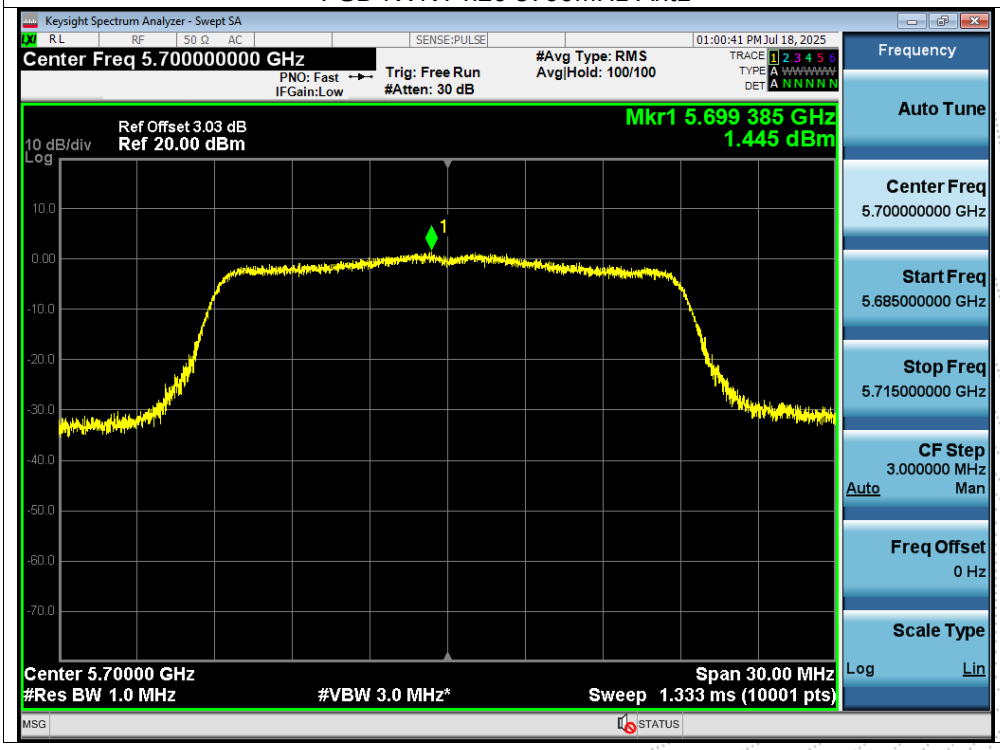
PSD NVNT a 5700MHz Ant1

PSD NVNT n20 5500MHz Ant1



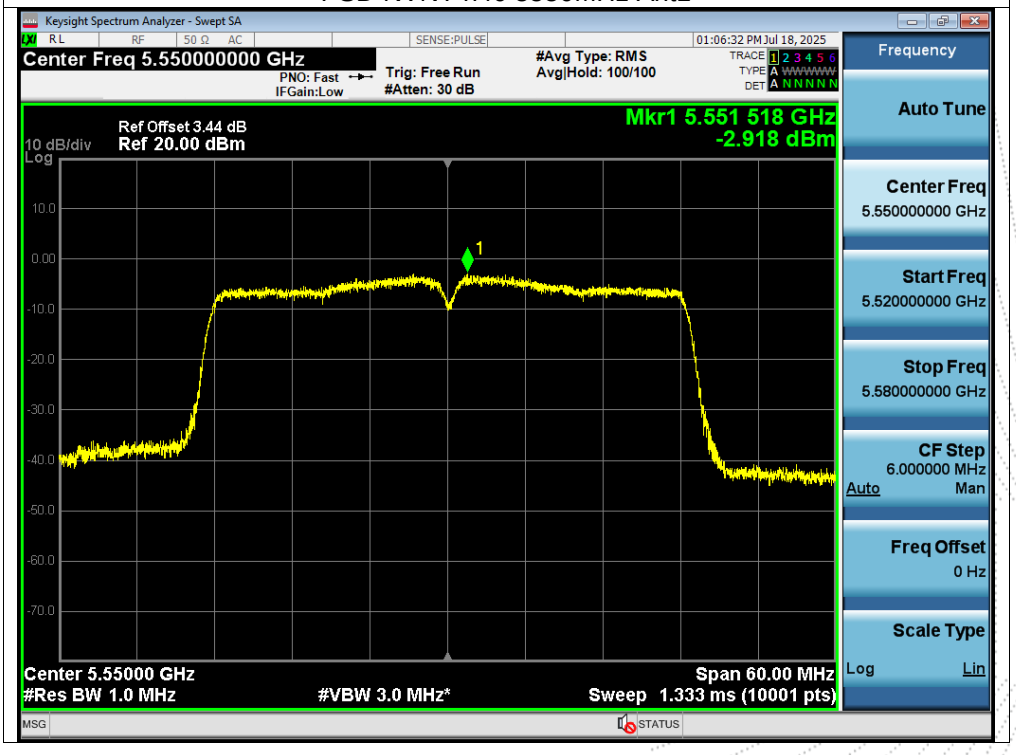
PSD NVNT n20 5580MHz Ant1

PSD NVNT n20 5700MHz Ant1



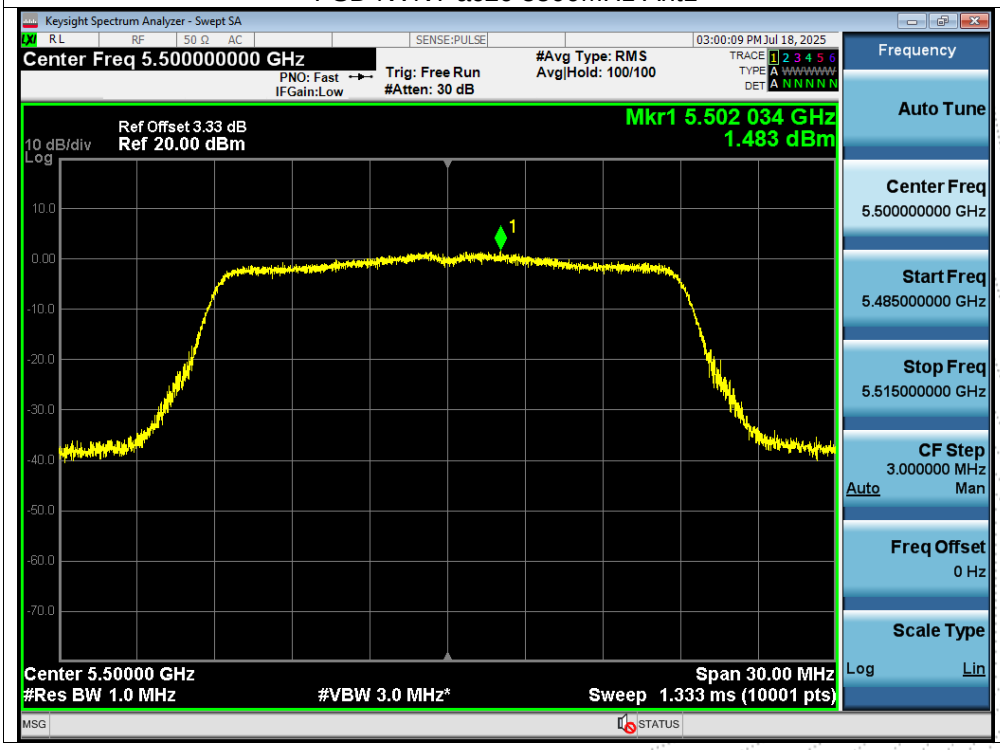
PSD NVNT n40 5510MHz Ant1

PSD NVNT n40 5550MHz Ant1

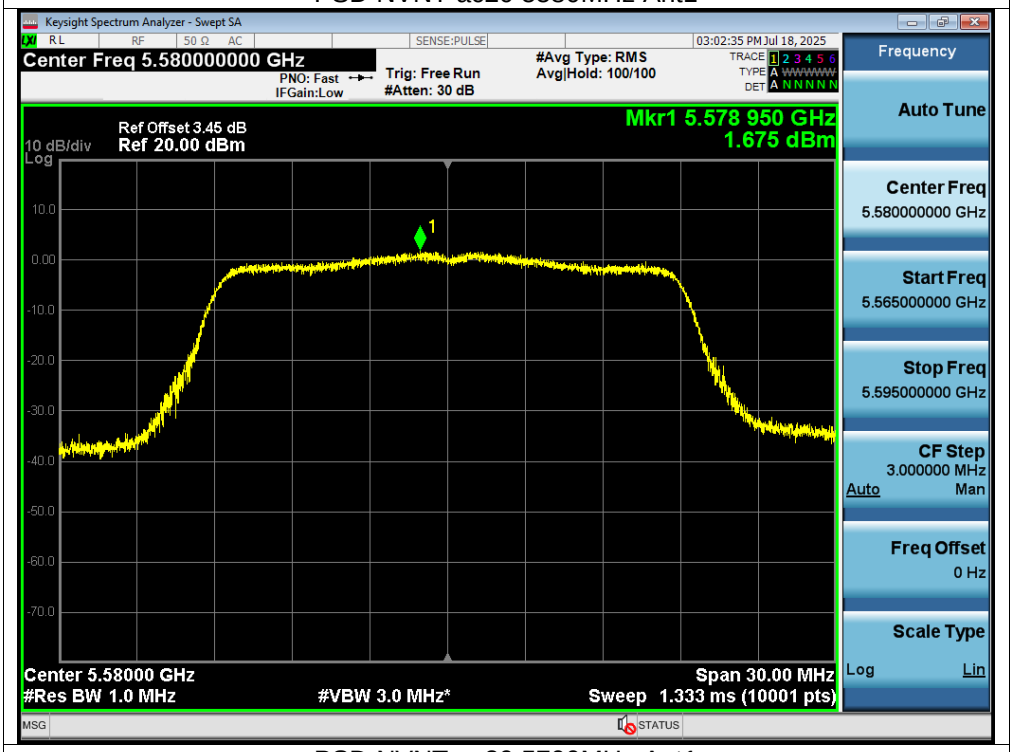


PSD NVNT n40 5670MHz Ant1

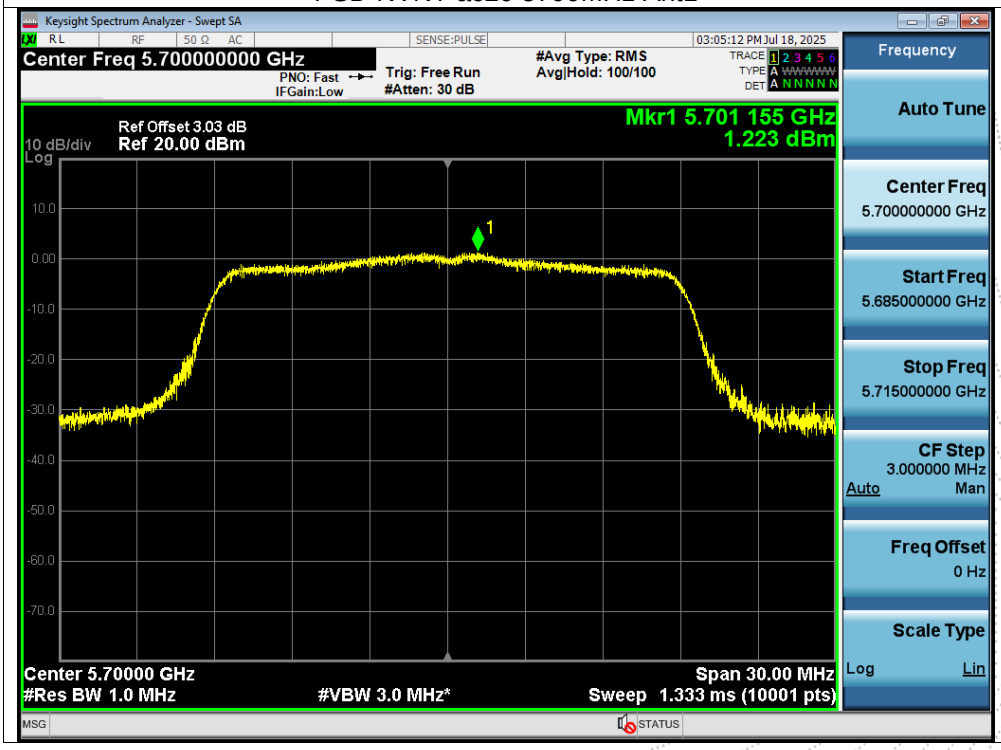
PSD NVNT ac20 5500MHz Ant1



PSD NVNT ac20 5580MHz Ant1



PSD NVNT ac20 5700MHz Ant1



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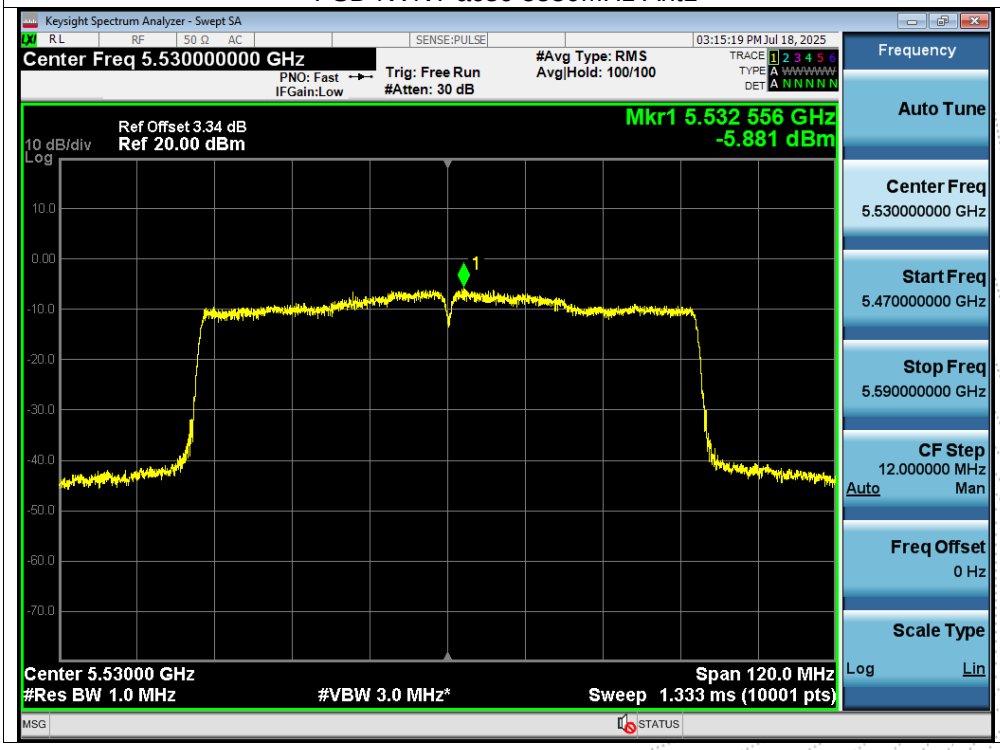
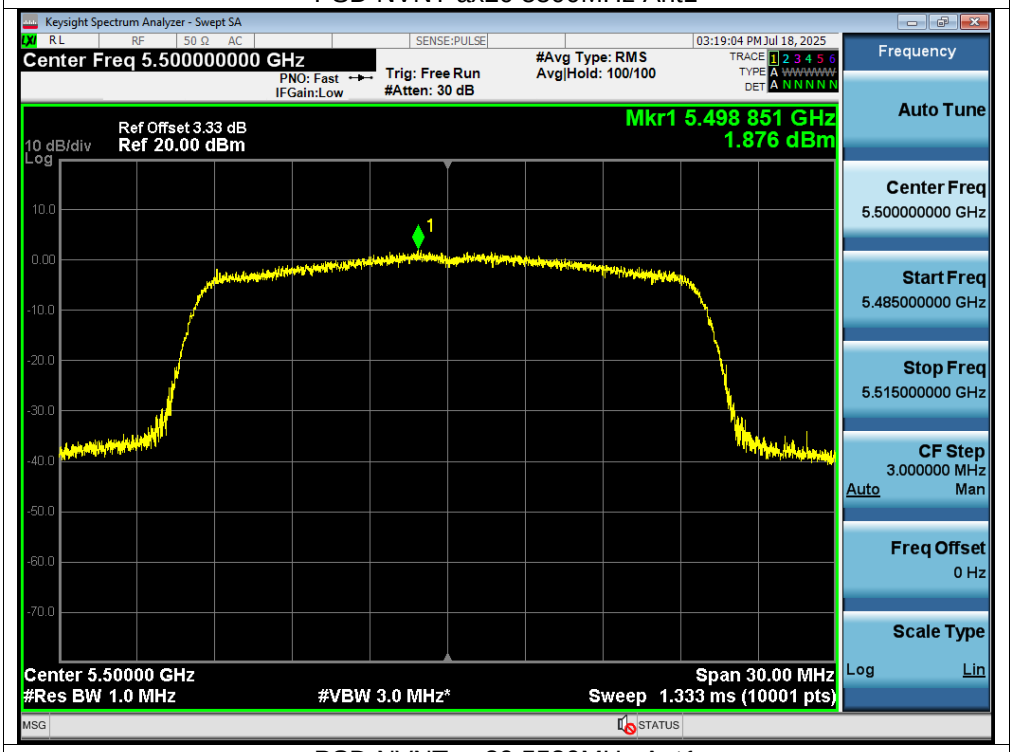
PSD NVNT ac40 5550MHz Ant1

PSD NVNT ac40 5670MHz Ant1

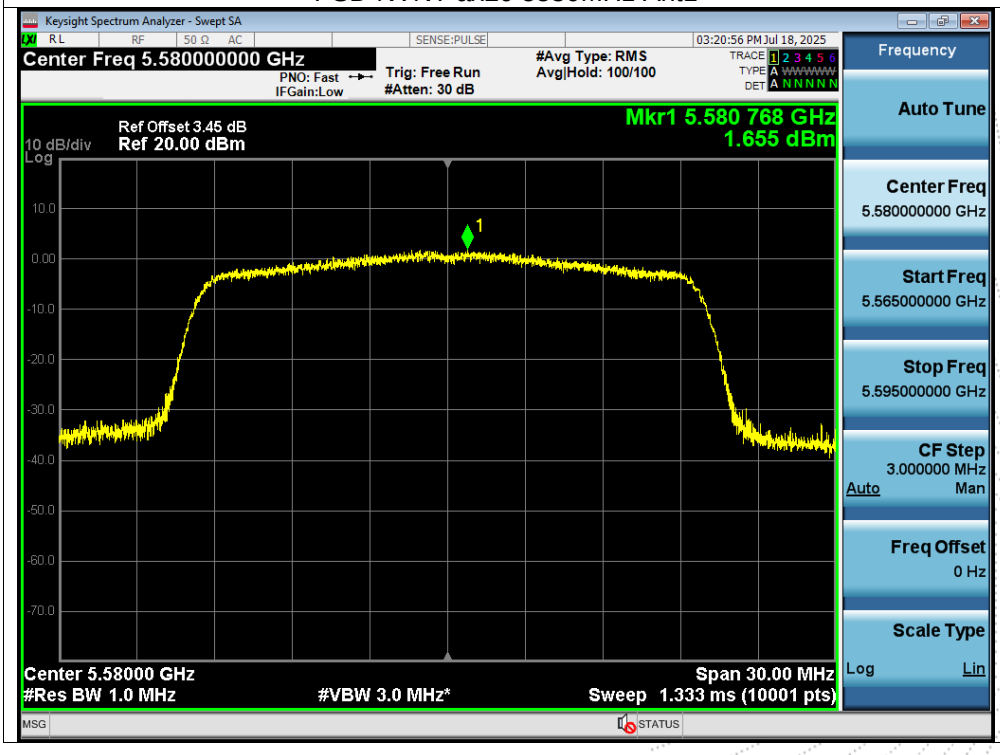
PSD NVNT ac80 5530MHz Ant1



PSD NVNT ax20 5500MHz Ant1



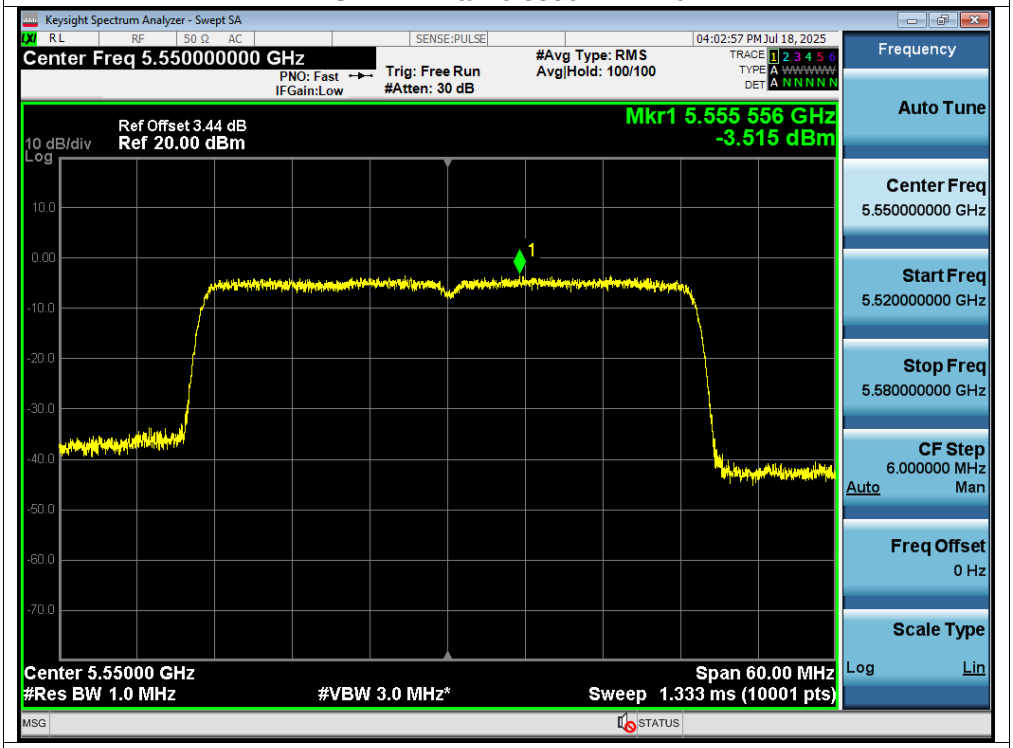
PSD NVNT ax20 5580MHz Ant1



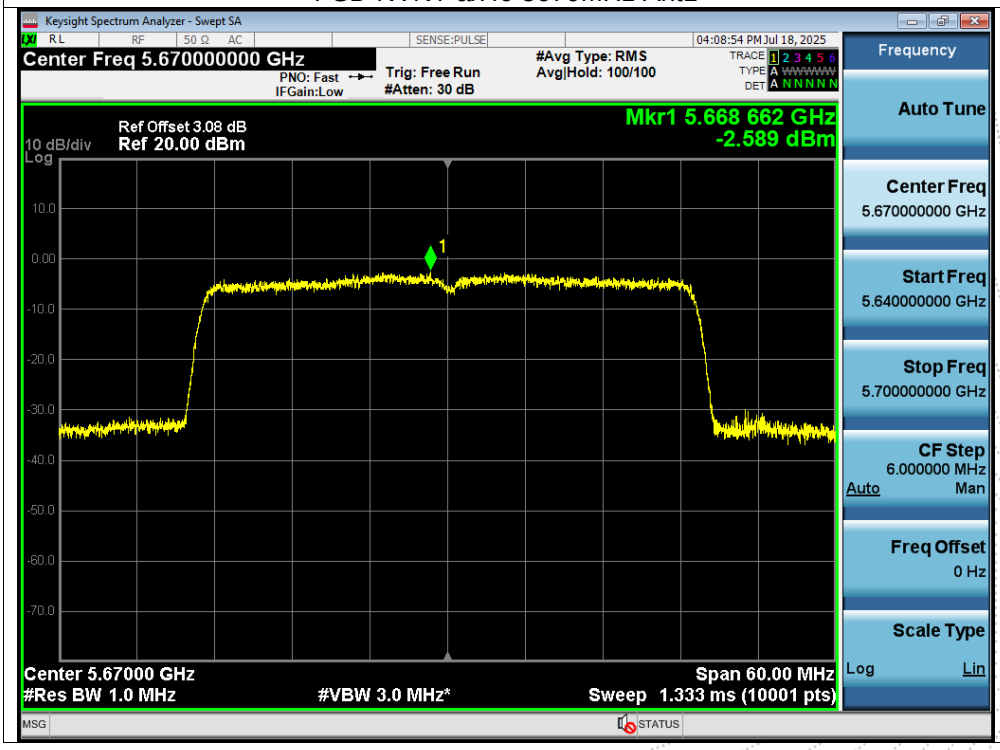
PSD NVNT ax20 5700MHz Ant1

PSD NVNT ax40 5510MHz Ant1

PSD NVNT ax40 5550MHz Ant1



PSD NVNT ax40 5670MHz Ant1

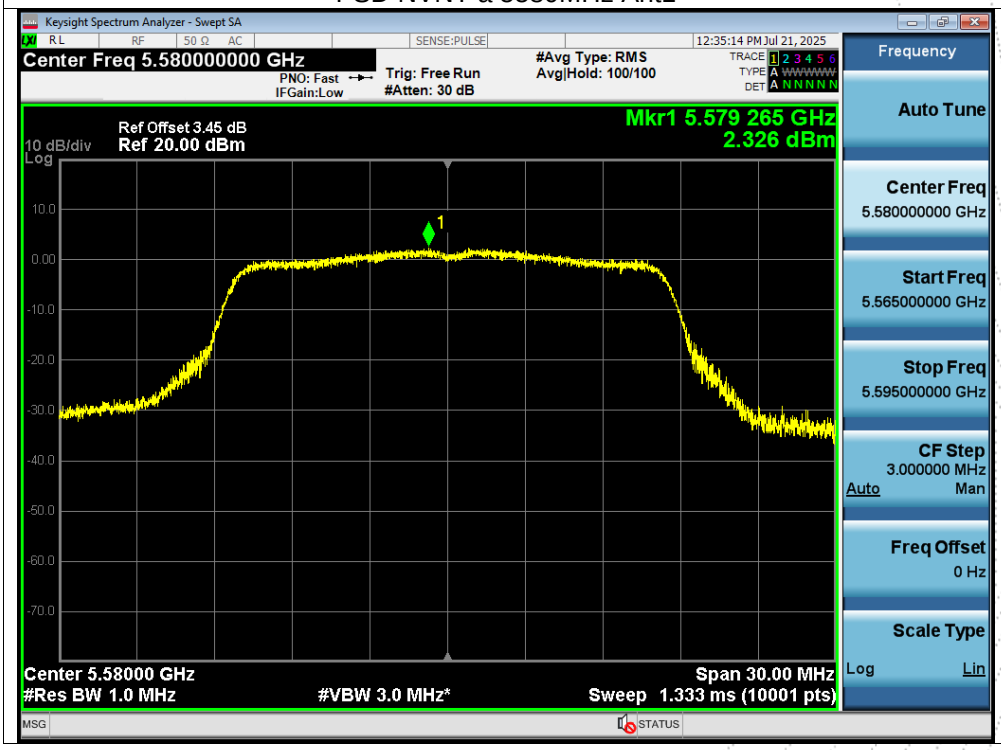


PSD NVNT ax80 5530MHz Ant1

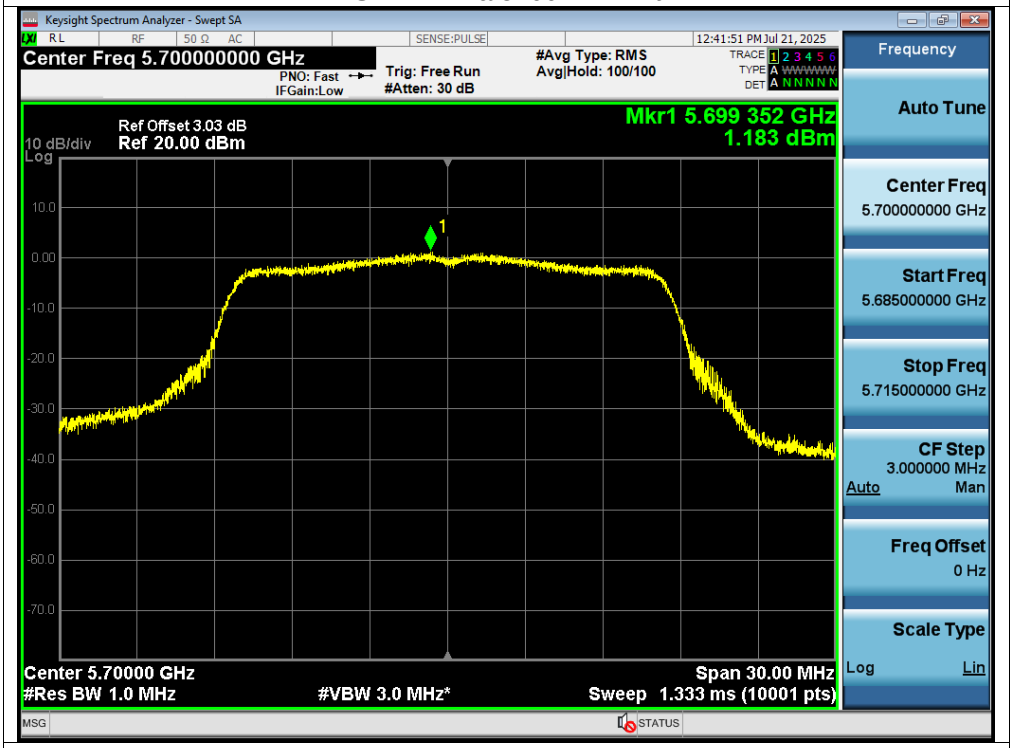
Ant B:

Test Graphs
PSD NVNT a 5500MHz Ant1

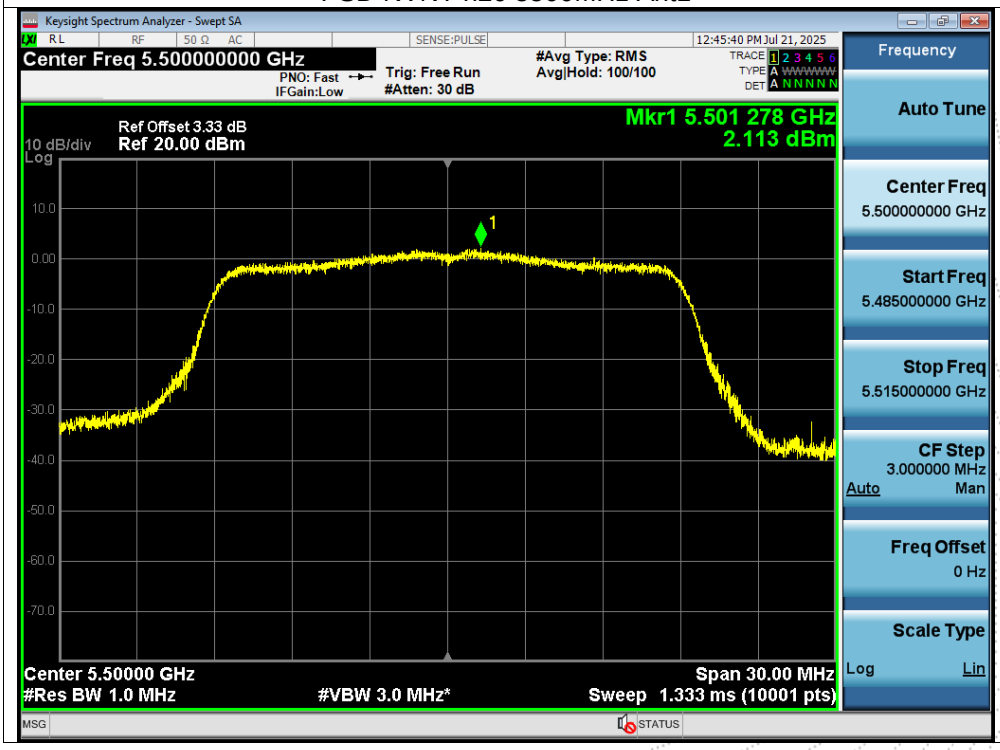
PSD NVNT a 5580MHz Ant1



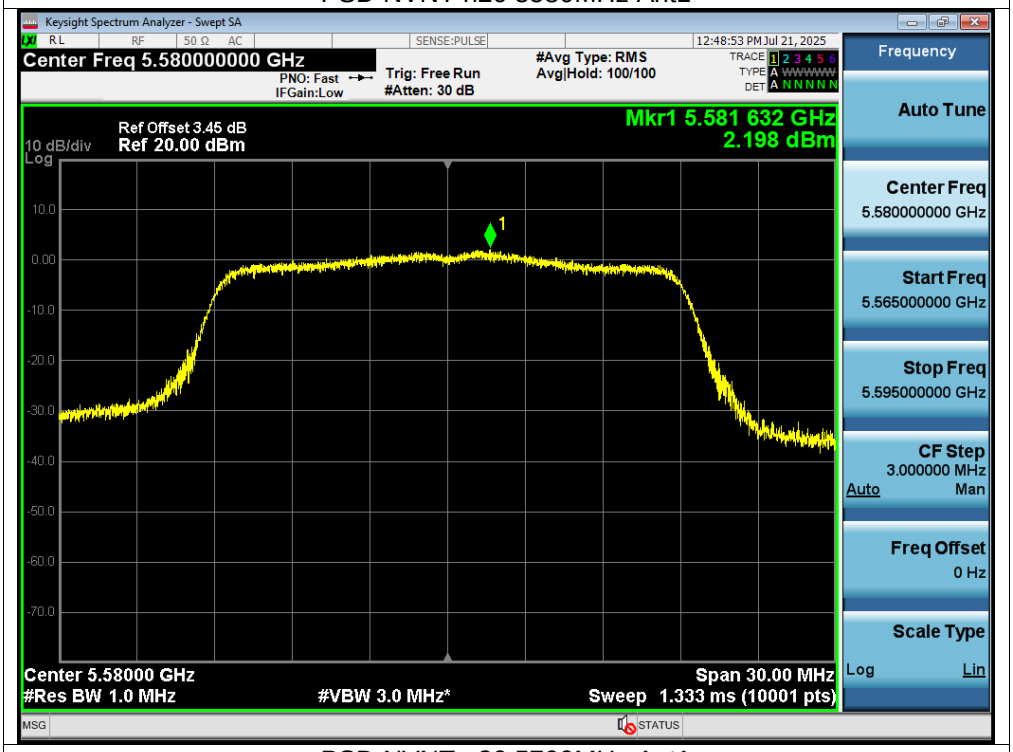
PSD NVNT a 5700MHz Ant1



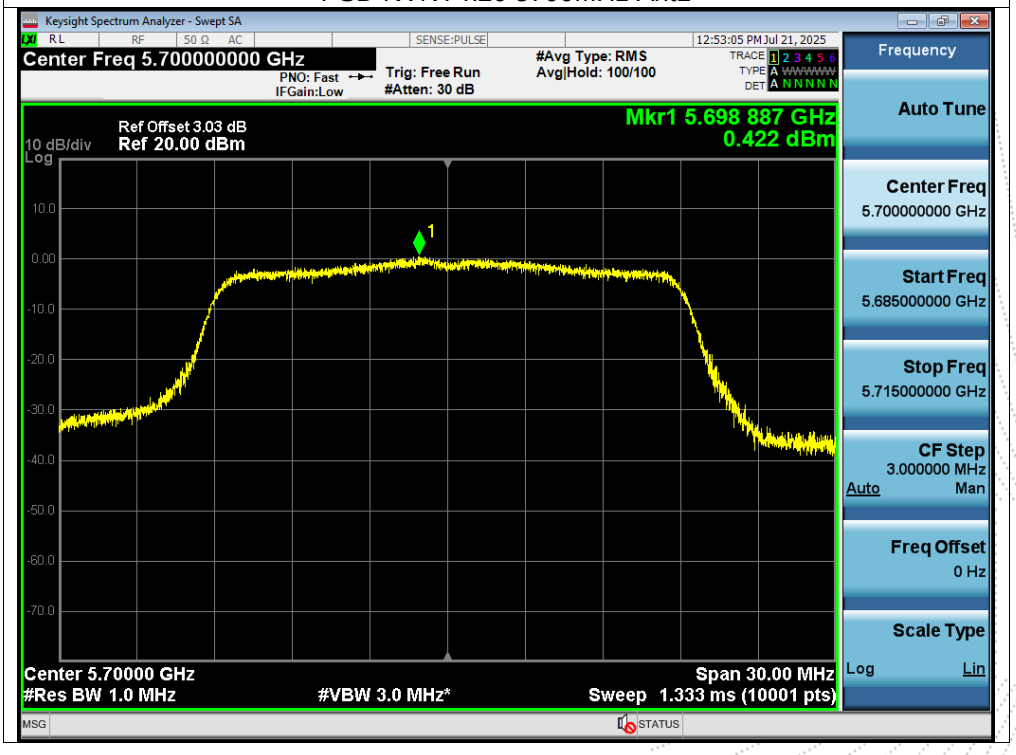
PSD NVNT n20 5500MHz Ant1



PSD NVNT n20 5580MHz Ant1



PSD NVNT n20 5700MHz Ant1



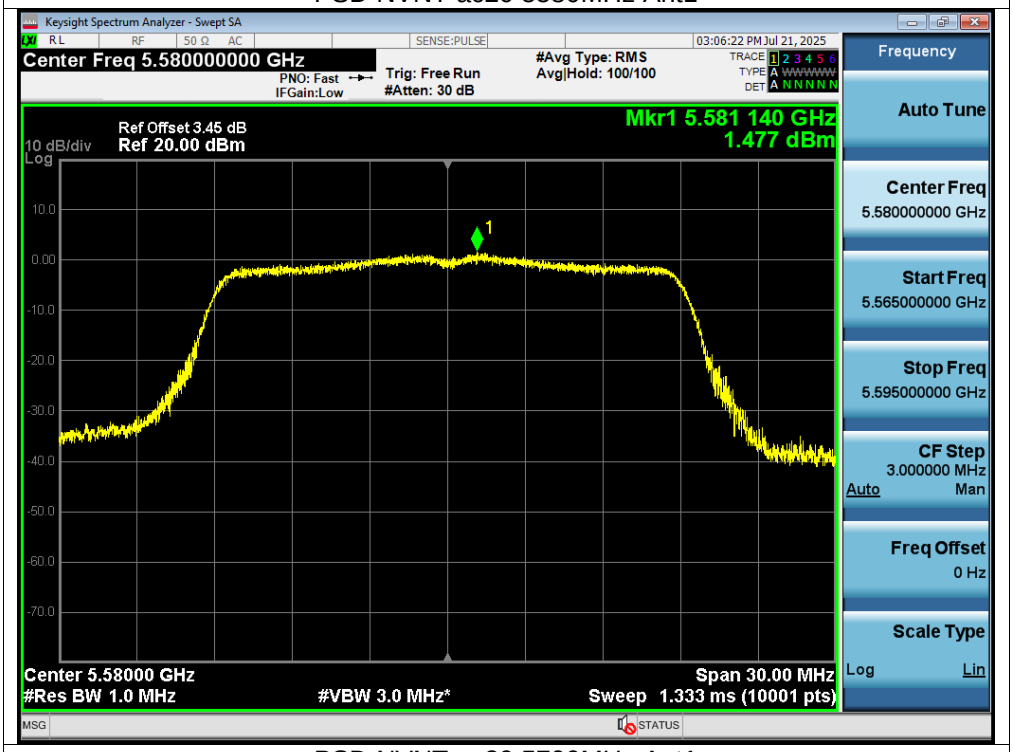
PSD NVNT n40 5510MHz Ant1

PSD NVNT n40 5550MHz Ant1

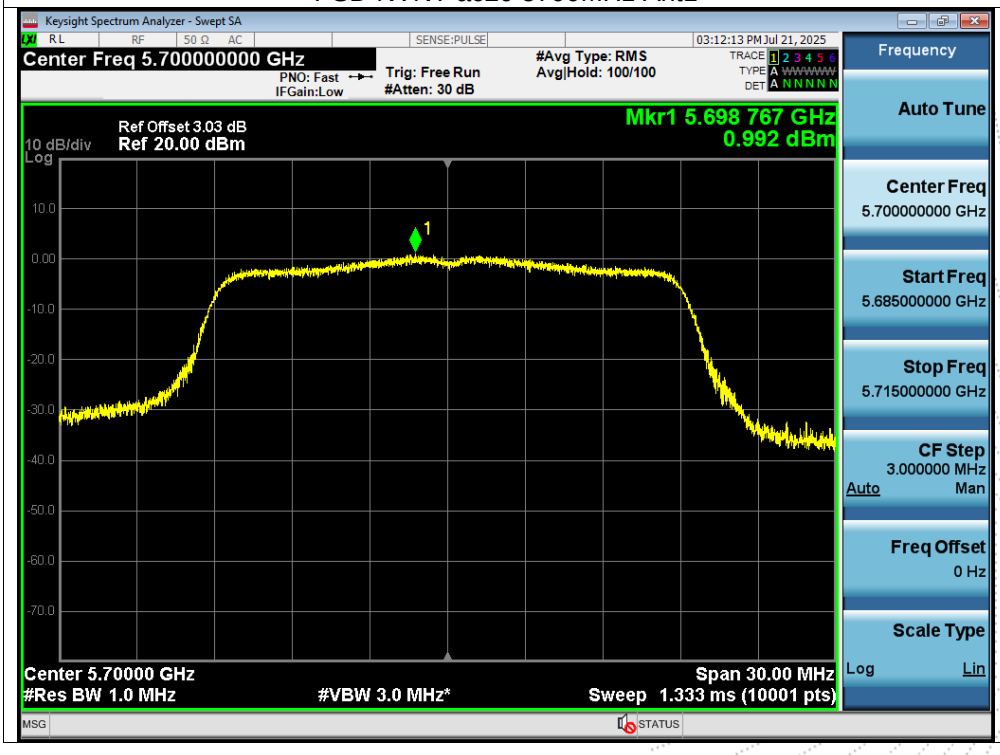
PSD NVNT n40 5670MHz Ant1

PSD NVNT ac20 5500MHz Ant1

PSD NVNT ac20 5580MHz Ant1



PSD NVNT ac20 5700MHz Ant1



PSD NVNT ac40 5510MHz Ant1

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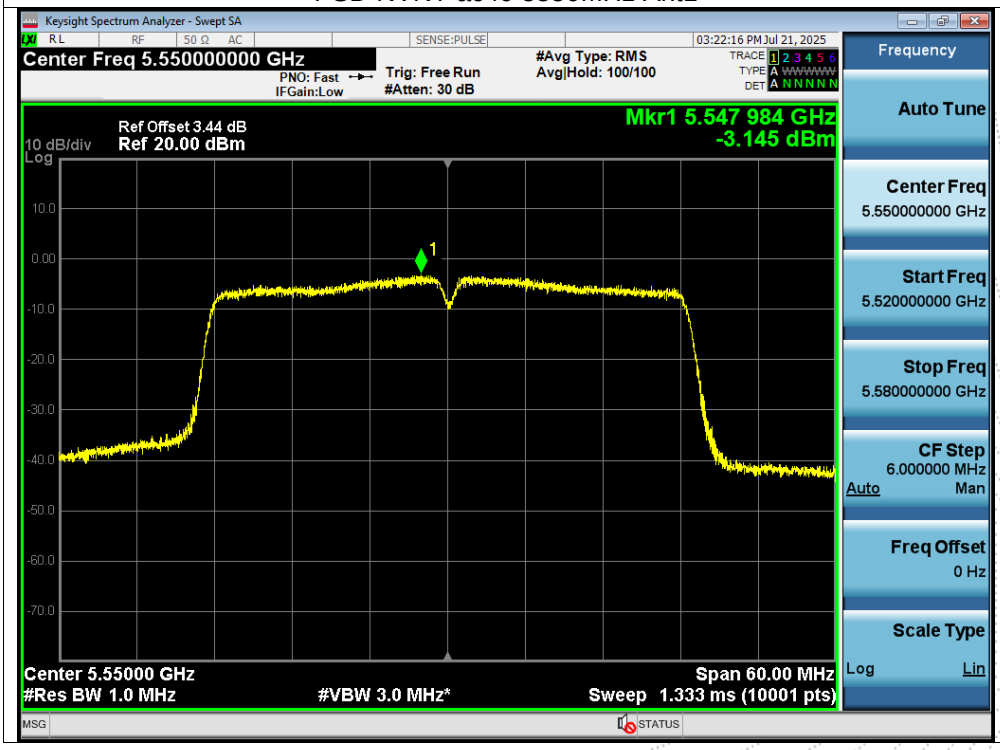
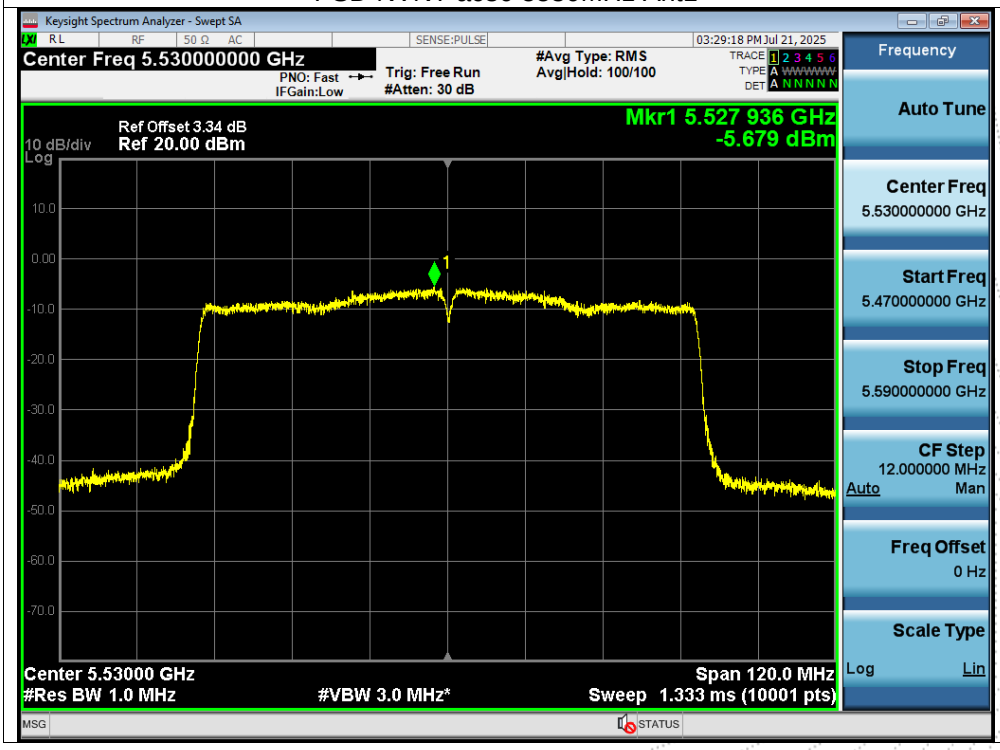
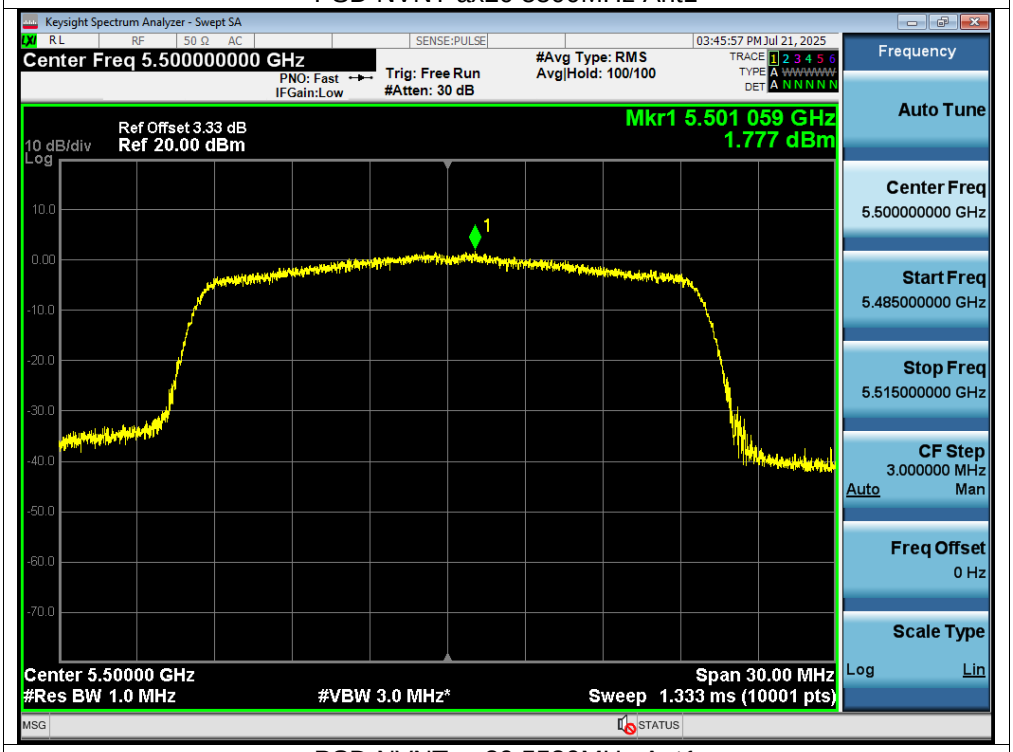


PSD NVNT ac40 5670MHz Ant1

PSD NVNT ac80 5530MHz Ant1

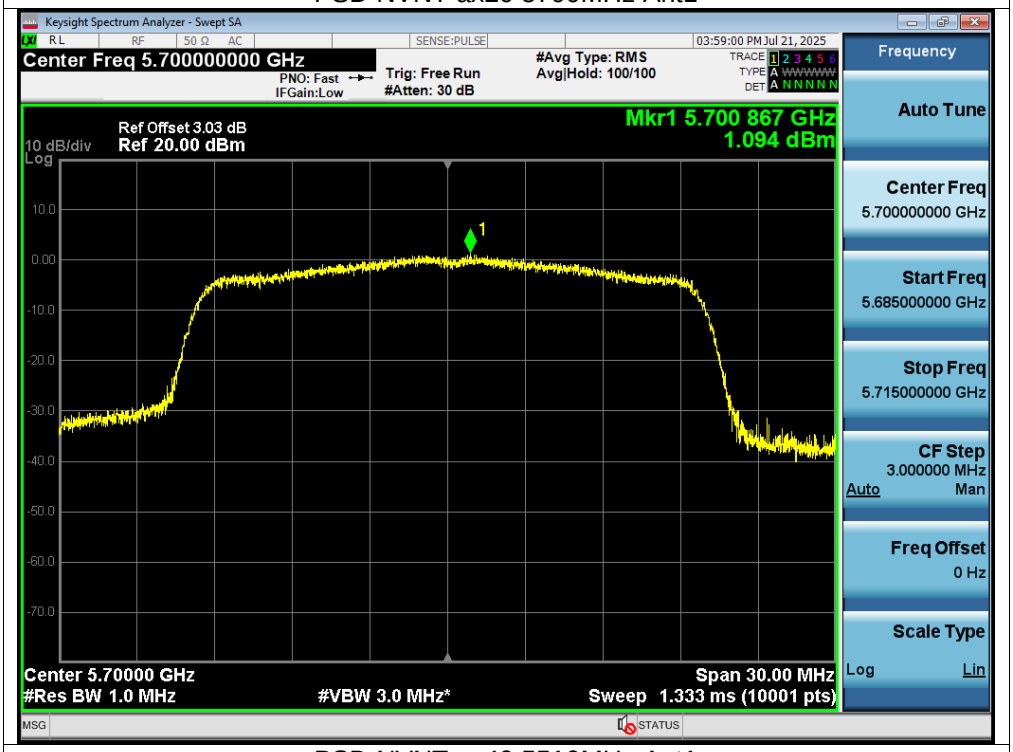


PSD NVNT ax20 5500MHz Ant1



PSD NVNT ax20 5580MHz Ant1

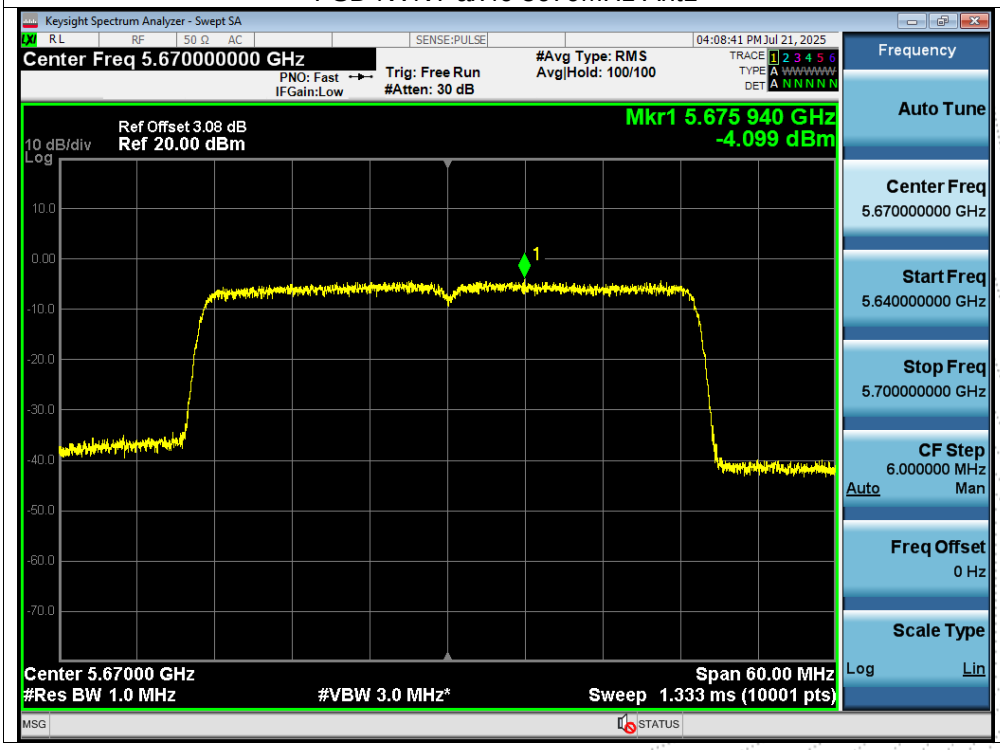
PSD NVNT ax20 5700MHz Ant1



PSD NVNT ax40 5510MHz Ant1

PSD NVNT ax40 5550MHz Ant1

PSD NVNT ax40 5670MHz Ant1



PSD NVNT ax80 5530MHz Ant1

Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101KPa	Test Voltage:	DC 3.7V
Test Mode:	(5745-5825MHz)		

Condition	Mode	Frequency (MHz)	Conducted PSD (dBm/MHz)		Total (dBm/MHz)	Limit (dBm/MHz)	Verdict
			Ant A	Ant B			
NVNT	a	5745	0.08	-0.52	/	30	Pass
NVNT	a	5785	-0.09	-0.17	/	30	Pass
NVNT	a	5825	0.03	0.08	/	30	Pass
NVNT	n20	5745	-0.34	-1.14	2.29	30	Pass
NVNT	n20	5785	-0.34	-2	1.92	30	Pass
NVNT	n20	5825	-0.51	-1.54	2.02	30	Pass
NVNT	n40	5755	-4.48	-5.71	-2.04	30	Pass
NVNT	n40	5795	-4.15	-5.01	-1.55	30	Pass
NVNT	ac20	5745	-1.29	-0.61	2.07	30	Pass
NVNT	ac20	5785	-1.75	-1.69	1.29	30	Pass
NVNT	ac20	5825	-1.53	-1.32	1.59	30	Pass
NVNT	ac40	5755	-3.65	-3.6	-0.61	30	Pass
NVNT	ac40	5795	-5.04	-4.64	-1.83	30	Pass
NVNT	ac80	5775	-9.41	-8.97	-6.17	30	Pass
NVNT	ax20	5745	-1.26	-0.55	2.12	30	Pass
NVNT	ax20	5785	-1.39	-1.22	1.71	30	Pass
NVNT	ax20	5825	-1.67	-1.32	1.52	30	Pass
NVNT	ax40	5755	-6.17	-6.15	-3.15	30	Pass
NVNT	ax40	5795	-6.02	-5.65	-2.82	30	Pass
NVNT	ax80	5775	-10.04	-9.79	-6.90	30	Pass

Total：antenna A+ antenna B

Ant A:

Test Graphs
PSD NVNT a 5745MHz Ant1

PSD NVNT a 5785MHz Ant1

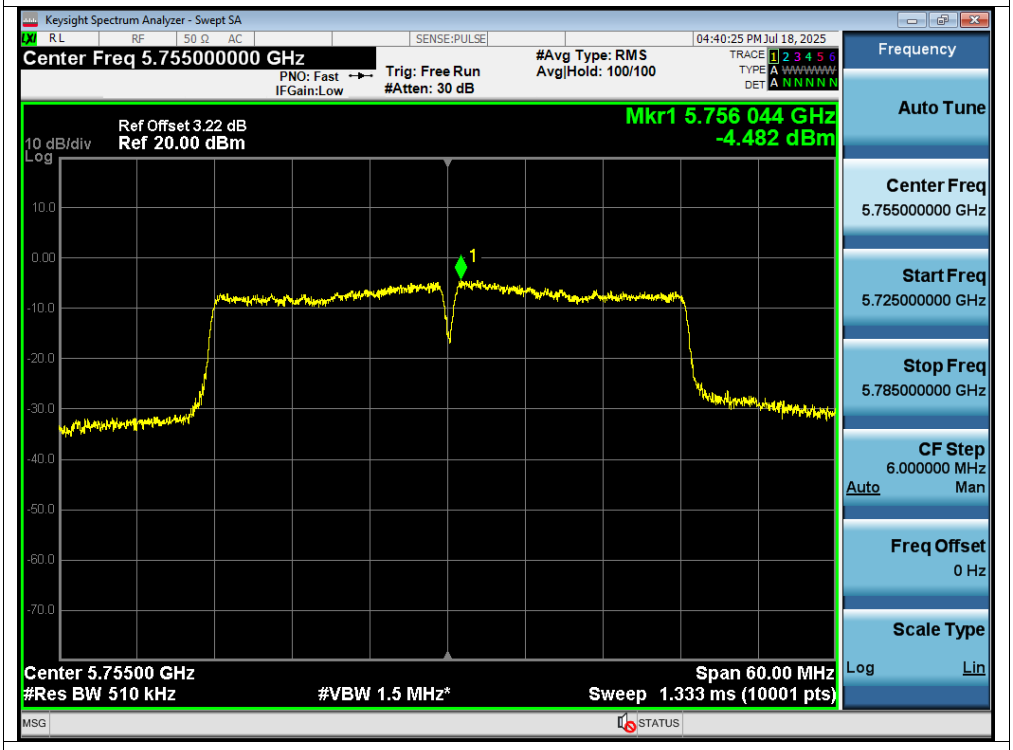
PSD NVNT a 5825MHz Ant1

PSD NVNT n20 5745MHz Ant1

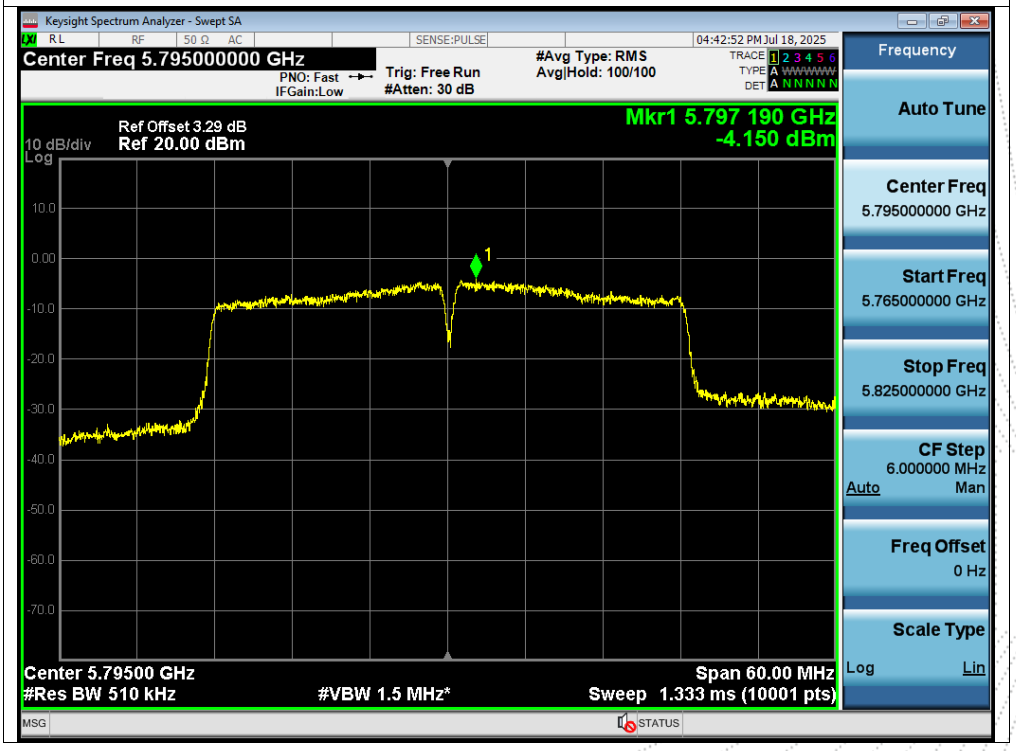
PSD NVNT n20 5785MHz Ant1

PSD NVNT n20 5825MHz Ant1

PSD NVNT n40 5755MHz Ant1

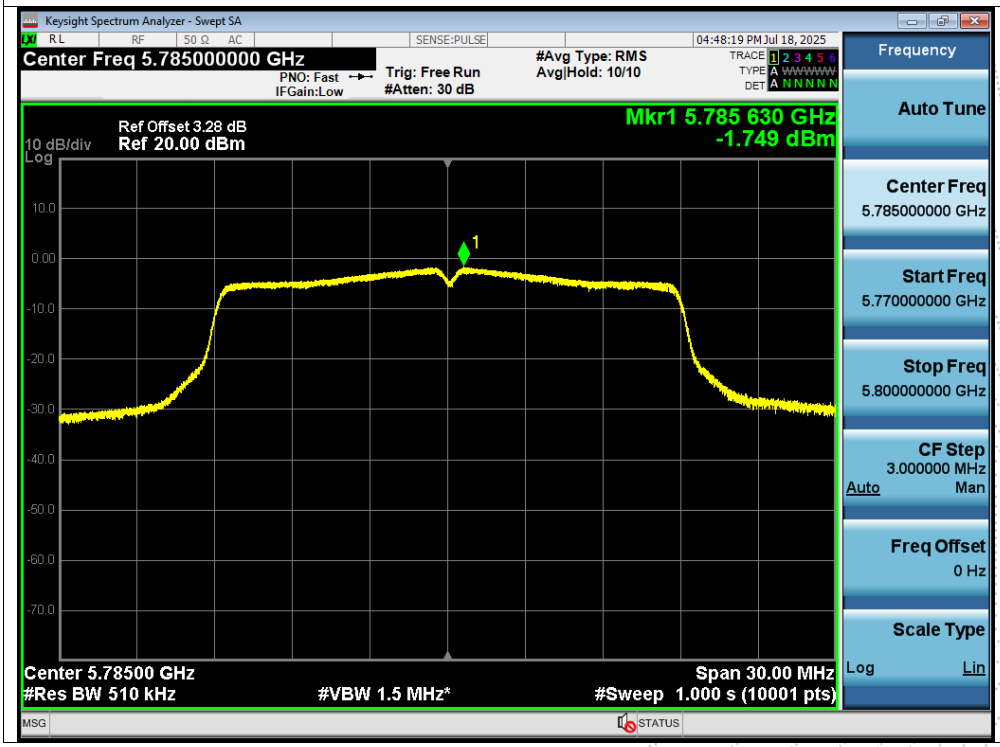


PSD NVNT n40 5795MHz Ant1



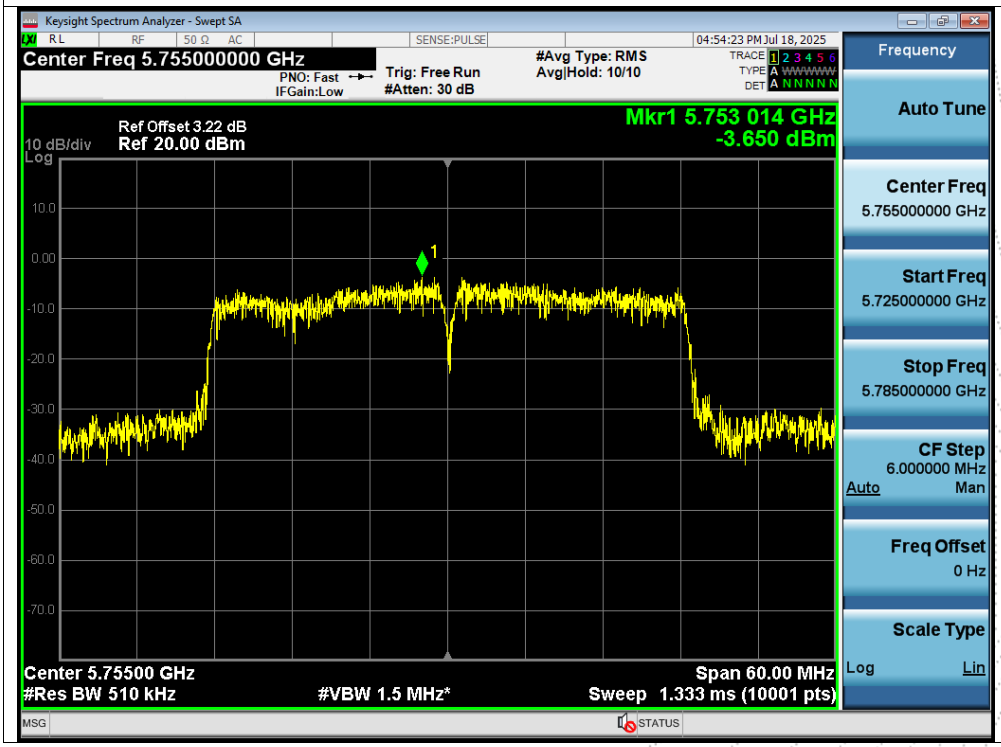
PSD NVNT ac20 5745MHz Ant1

PSD NVNT ac20 5785MHz Ant1



PSD NVNT ac20 5825MHz Ant1

PSD NVNT ac40 5755MHz Ant1



PSD NVNT ac40 5795MHz Ant1

PSD NVNT ac80 5775MHz Ant1

PSD NVNT ax20 5745MHz Ant1

PSD NVNT ax20 5785MHz Ant1

PSD NVNT ax20 5825MHz Ant1

PSD NVNT ax40 5755MHz Ant1

PSD NVNT ax40 5795MHz Ant1

PSD NVNT ax80 5775MHz Ant1

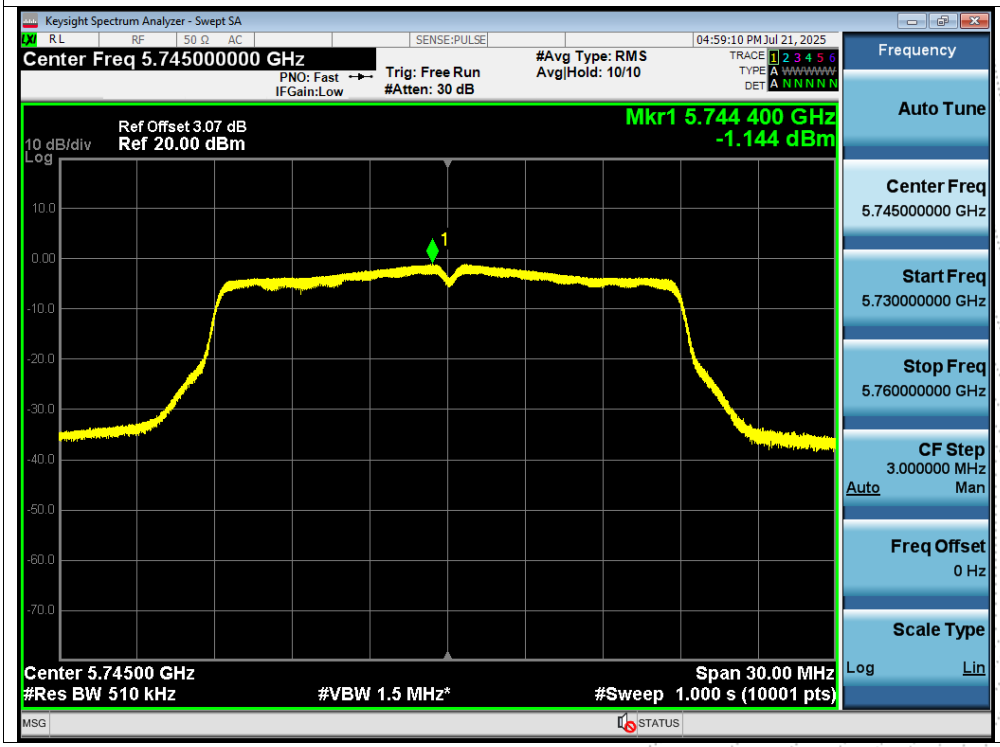
Ant B:

Test Graphs
PSD NVNT a 5745MHz Ant1

PSD NVNT a 5785MHz Ant1

PSD NVNT a 5825MHz Ant1

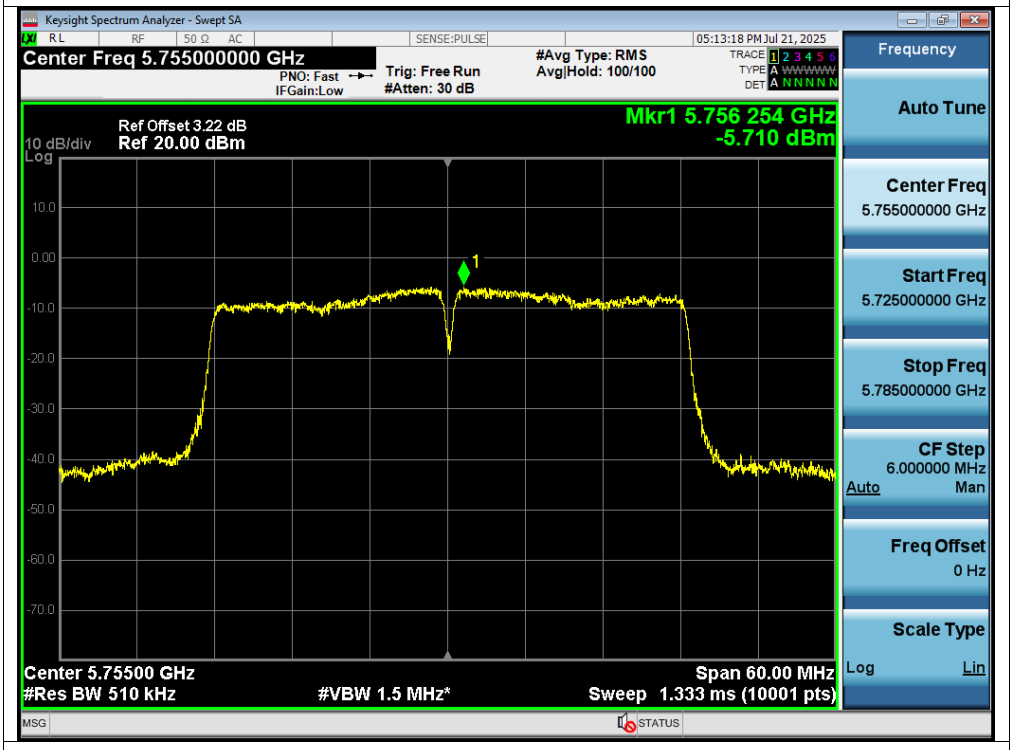
PSD NVNT n20 5745MHz Ant1



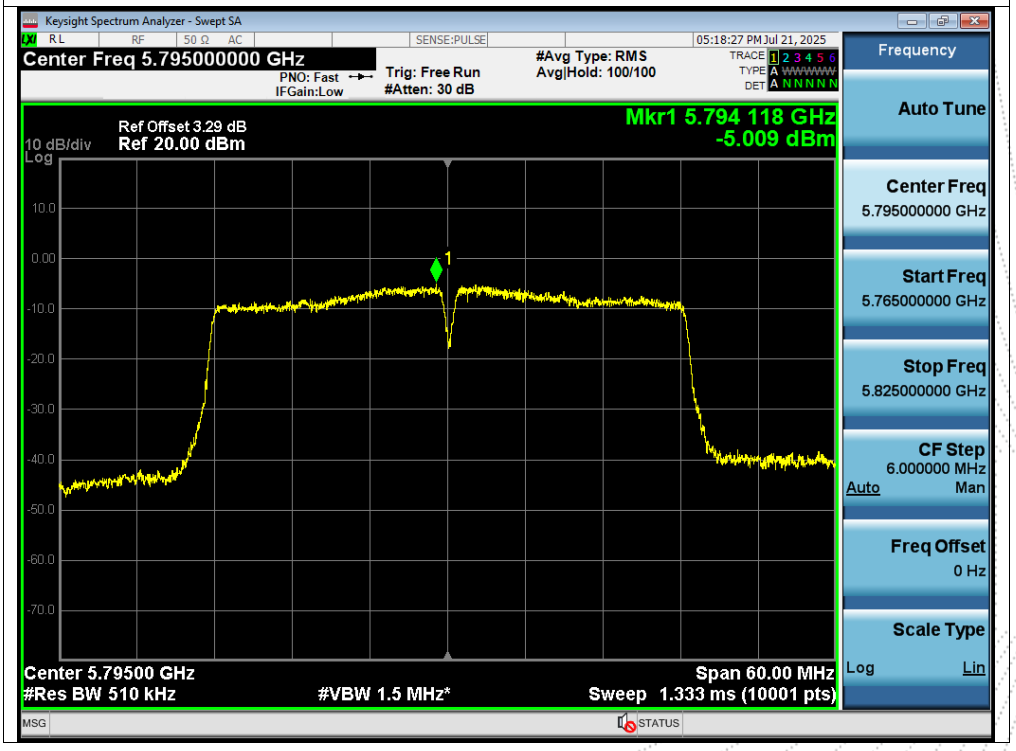
PSD NVNT n20 5785MHz Ant1

PSD NVNT n20 5825MHz Ant1

PSD NVNT n40 5755MHz Ant1

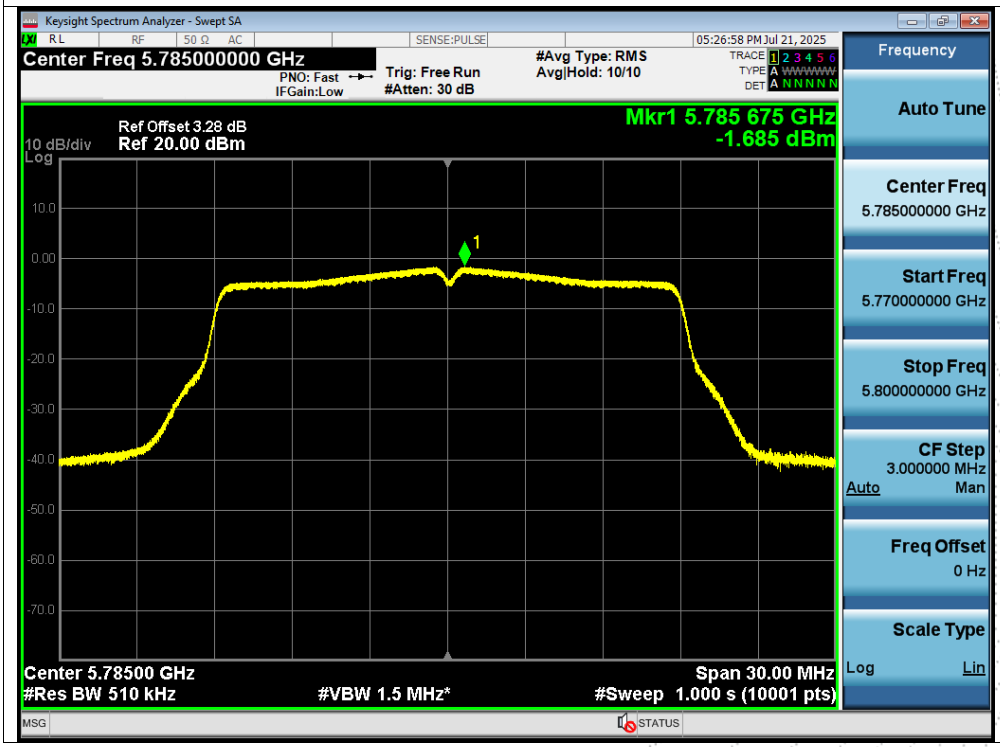


PSD NVNT n40 5795MHz Ant1



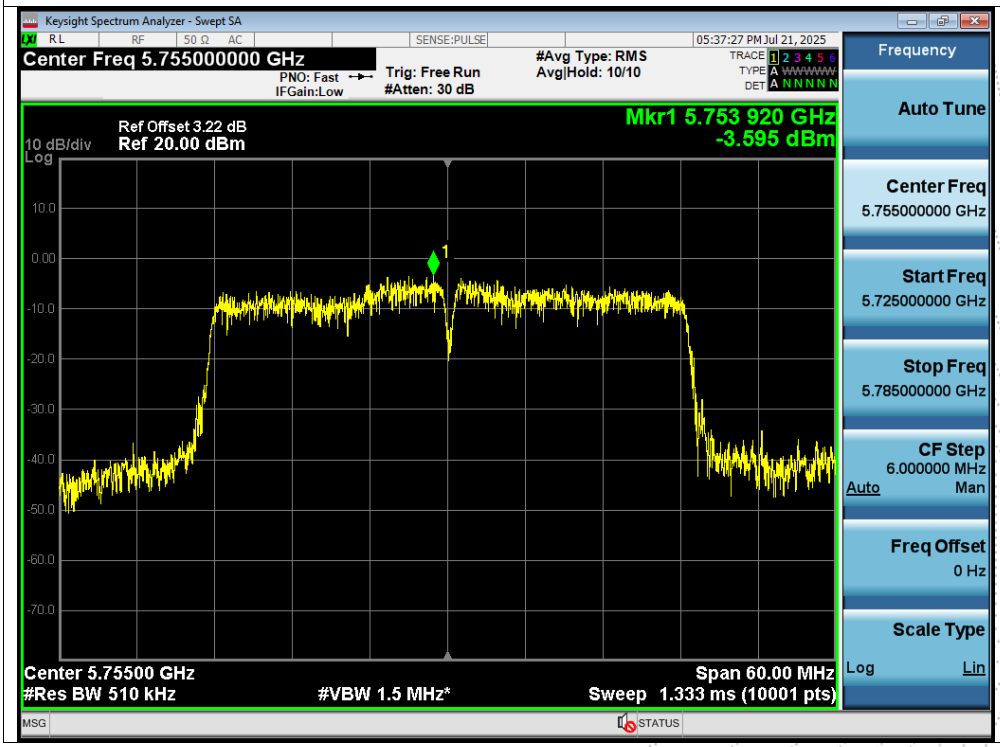
PSD NVNT ac20 5745MHz Ant1

PSD NVNT ac20 5785MHz Ant1

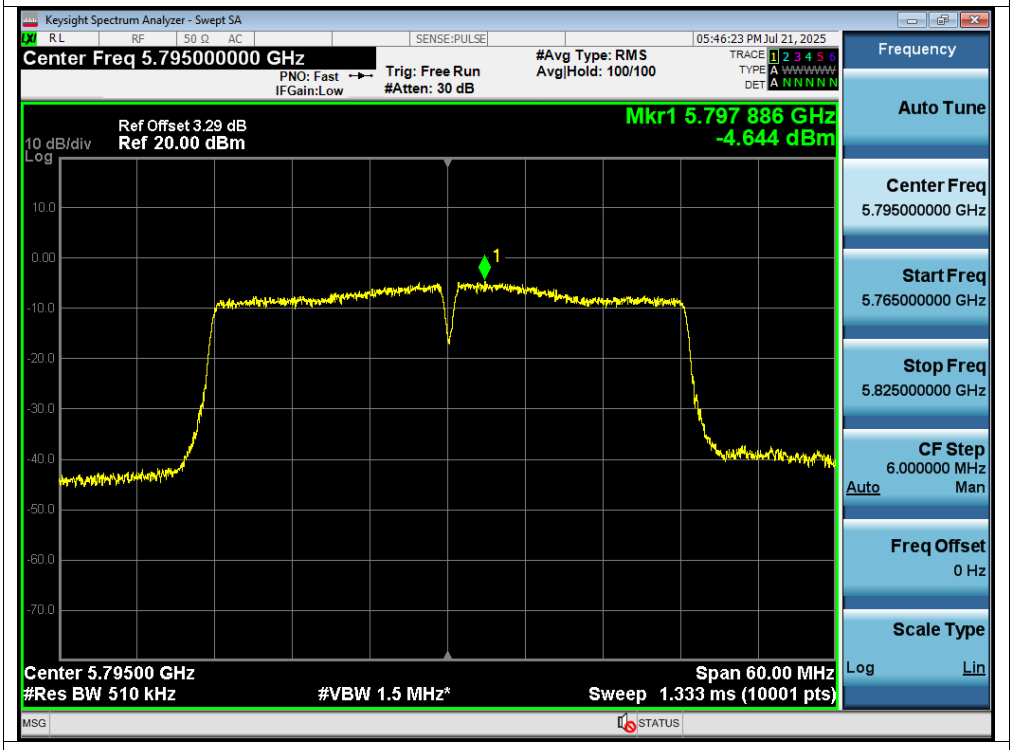


PSD NVNT ac20 5825MHz Ant1

PSD NVNT ac40 5755MHz Ant1



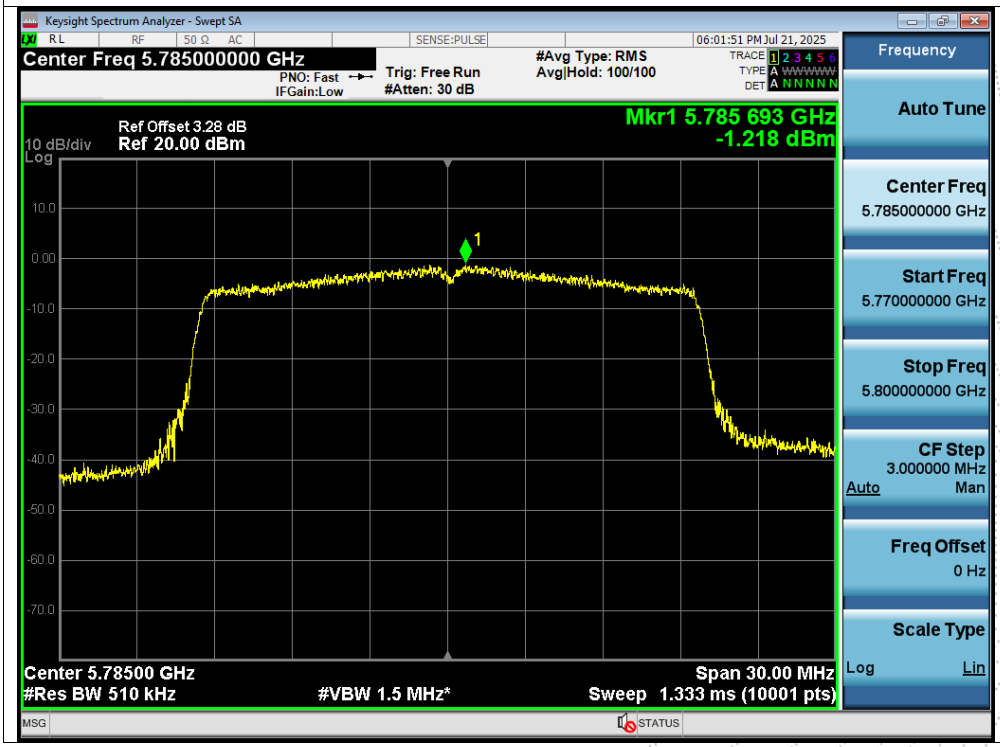
PSD NVNT ac40 5795MHz Ant1



PSD NVNT ac80 5775MHz Ant1

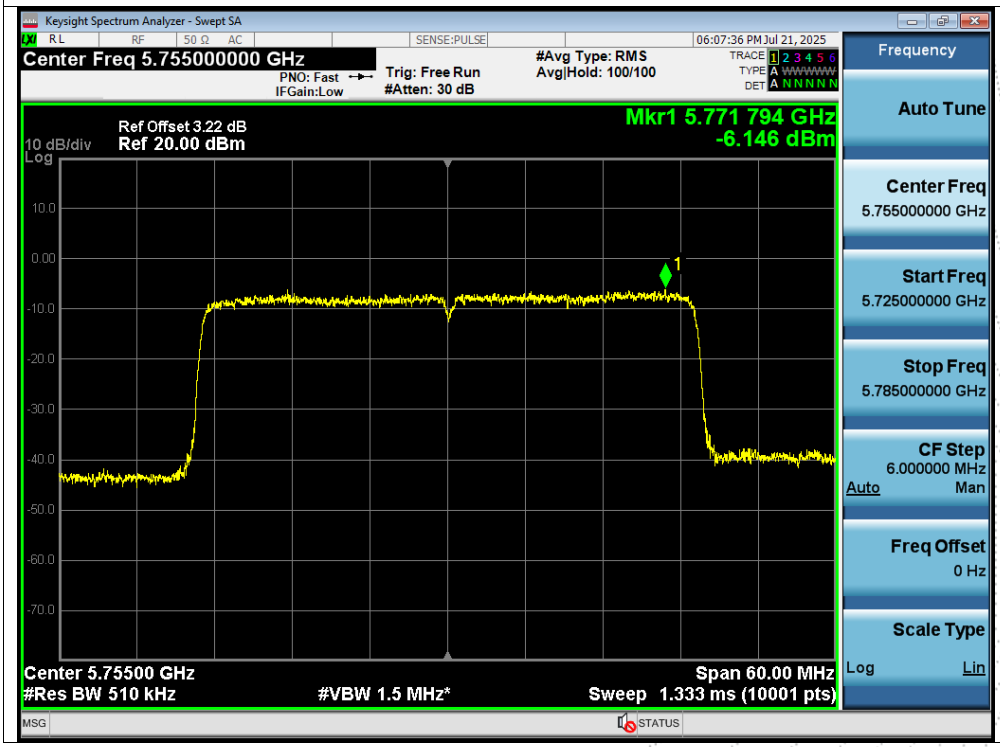
PSD NVNT ax20 5745MHz Ant1

PSD NVNT ax20 5785MHz Ant1



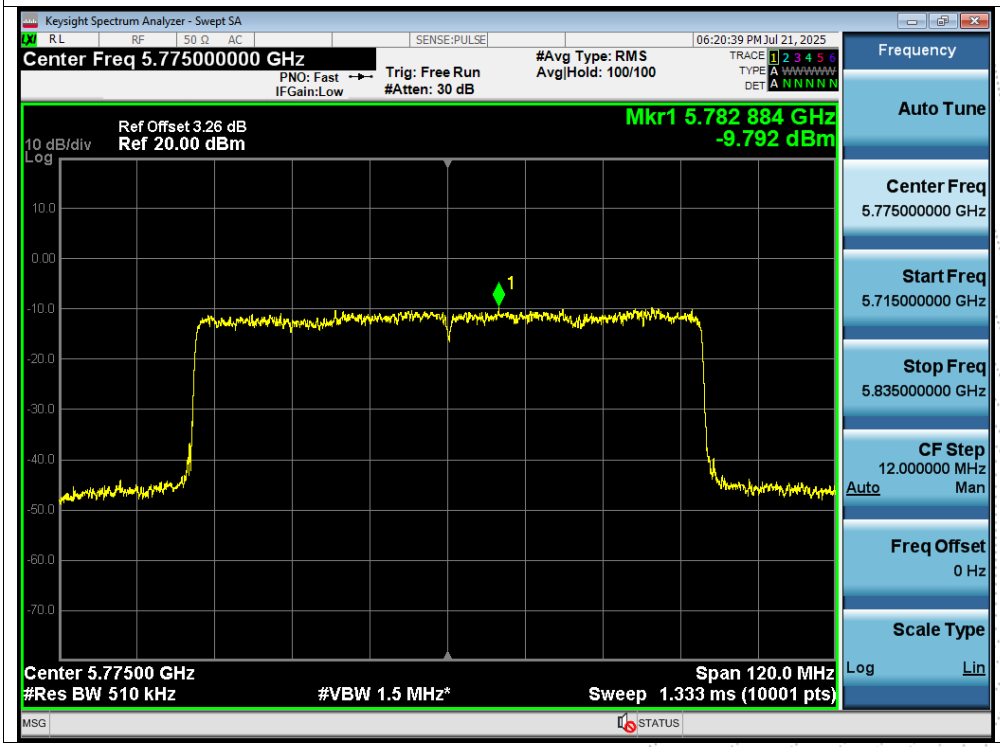
PSD NVNT ax20 5825MHz Ant1

PSD NVNT ax40 5755MHz Ant1



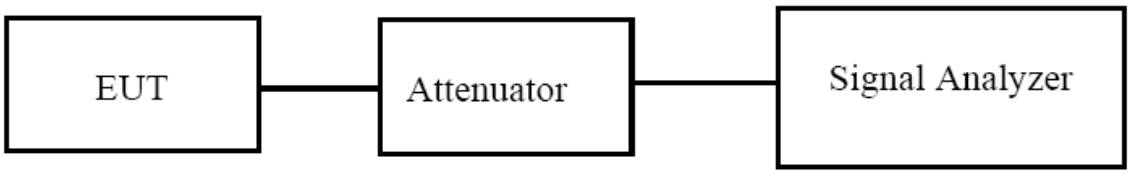
PSD NVNT ax40 5795MHz Ant1

PSD NVNT ax80 5775MHz Ant1



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 ≥ 3 · 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

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

Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101KPa	Test Voltage:	DC 3.7V
Test Mode:	(5180-5240MHz)		

Condition	Mode	Frequency (MHz)	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	21.105	Pass
NVNT	a	5200	20.885	Pass
NVNT	a	5240	21.01	Pass
NVNT	n20	5180	21.291	Pass
NVNT	n20	5200	21.08	Pass
NVNT	n20	5240	21.238	Pass
NVNT	n40	5190	39.519	Pass
NVNT	n40	5230	39.32	Pass
NVNT	ac20	5180	21.981	Pass
NVNT	ac20	5200	21.439	Pass
NVNT	ac20	5240	21.121	Pass
NVNT	ac40	5190	39.986	Pass
NVNT	ac40	5230	39.877	Pass
NVNT	ac80	5210	81.078	Pass
NVNT	ax20	5180	21.082	Pass
NVNT	ax20	5200	20.894	Pass
NVNT	ax20	5240	21.137	Pass
NVNT	ax40	5190	39.929	Pass
NVNT	ax40	5230	40.049	Pass
NVNT	ax80	5210	80.992	Pass

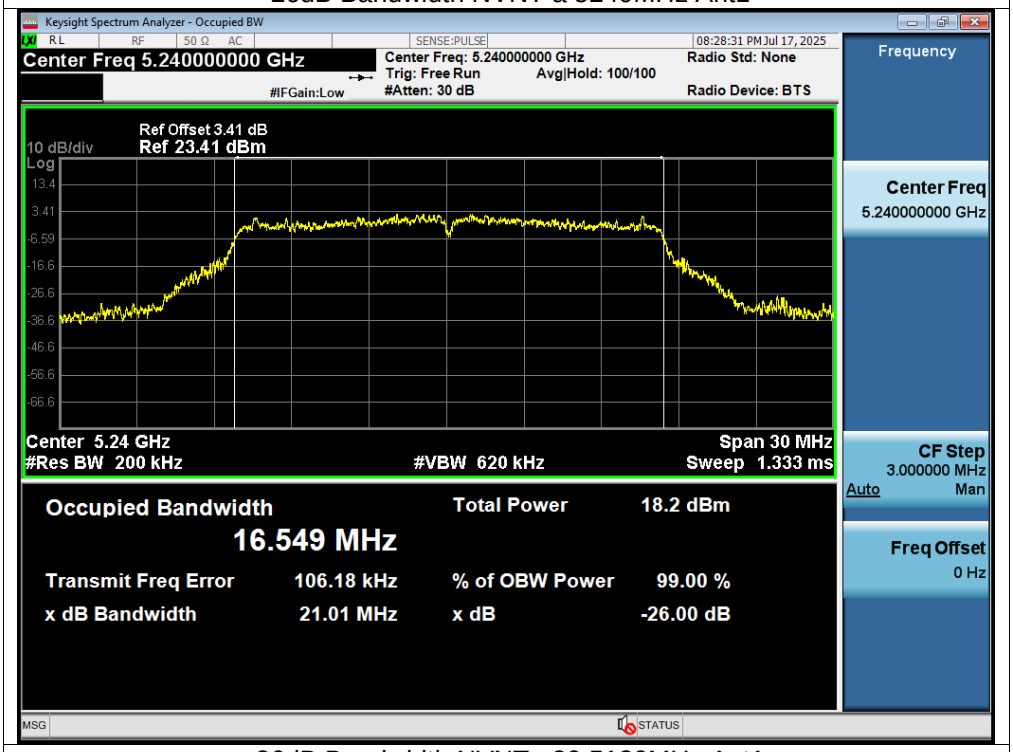
Condition	Mode	Frequency (MHz)	99% OBW (MHz)
NVNT	a	5180	16.572
NVNT	a	5200	16.579
NVNT	a	5240	16.559
NVNT	n20	5180	17.705
NVNT	n20	5200	17.691
NVNT	n20	5240	17.71
NVNT	n40	5190	36.167
NVNT	n40	5230	36.19
NVNT	ac20	5180	17.702
NVNT	ac20	5200	17.749
NVNT	ac20	5240	17.736
NVNT	ac40	5190	36.174
NVNT	ac40	5230	36.124
NVNT	ac80	5210	75.592
NVNT	ax20	5180	18.884
NVNT	ax20	5200	18.891
NVNT	ax20	5240	18.822
NVNT	ax40	5190	37.608
NVNT	ax40	5230	37.539
NVNT	ax80	5210	77.16

Test Graphs

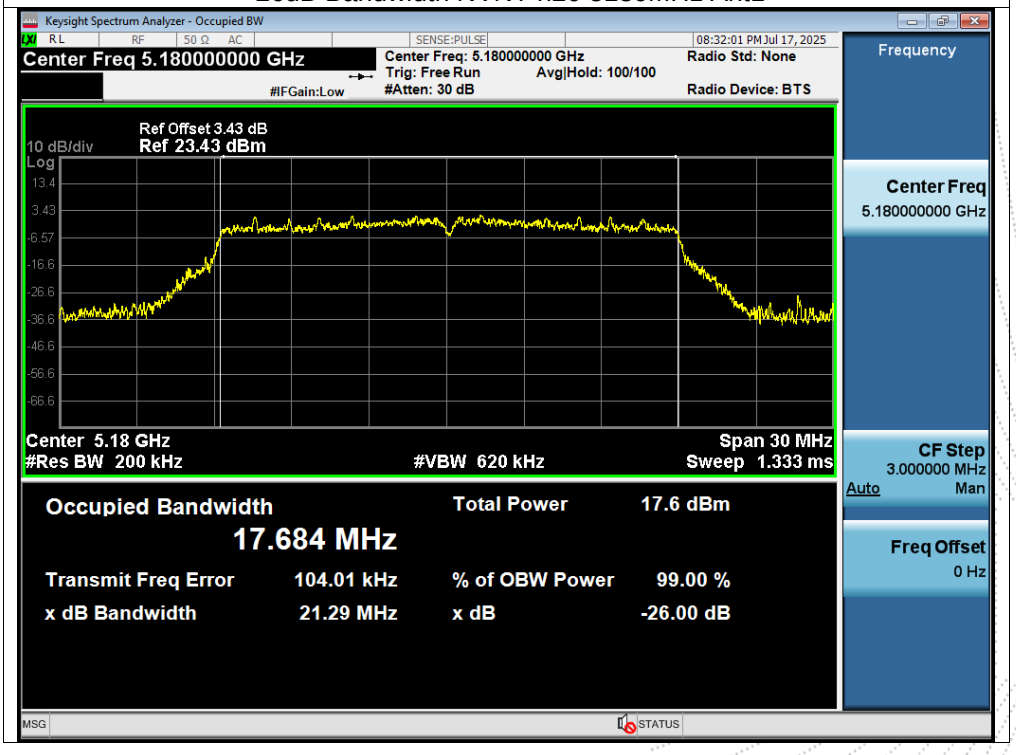
-26dB Bandwidth NVNT a 5180MHz Ant1

-26dB Bandwidth NVNT a 5200MHz Ant1

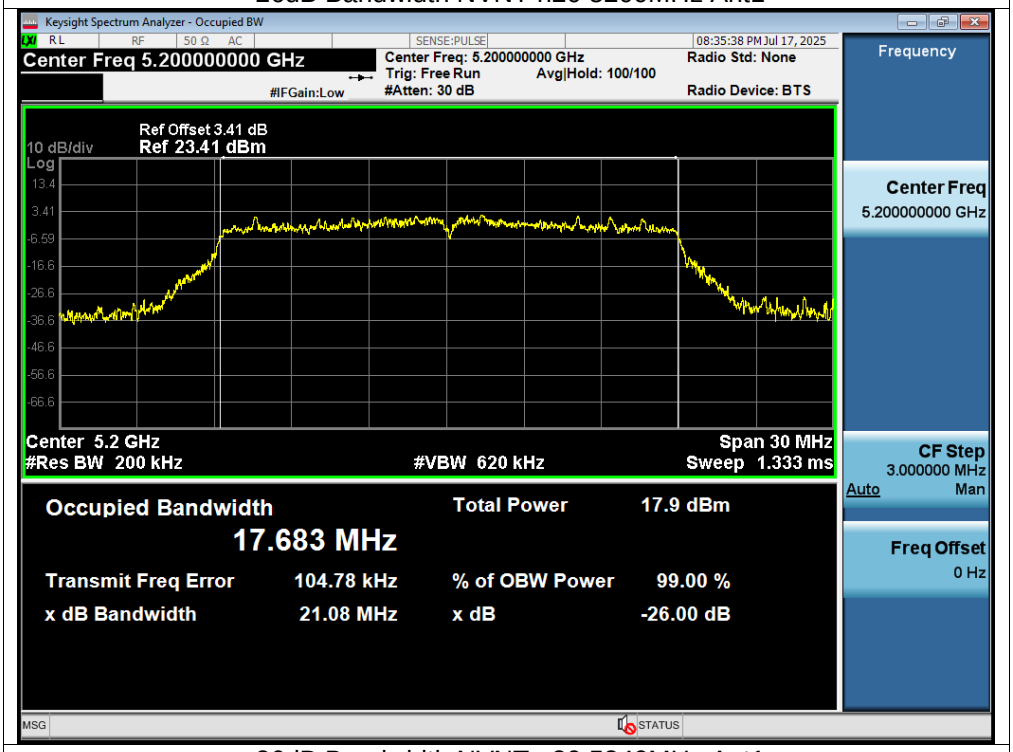
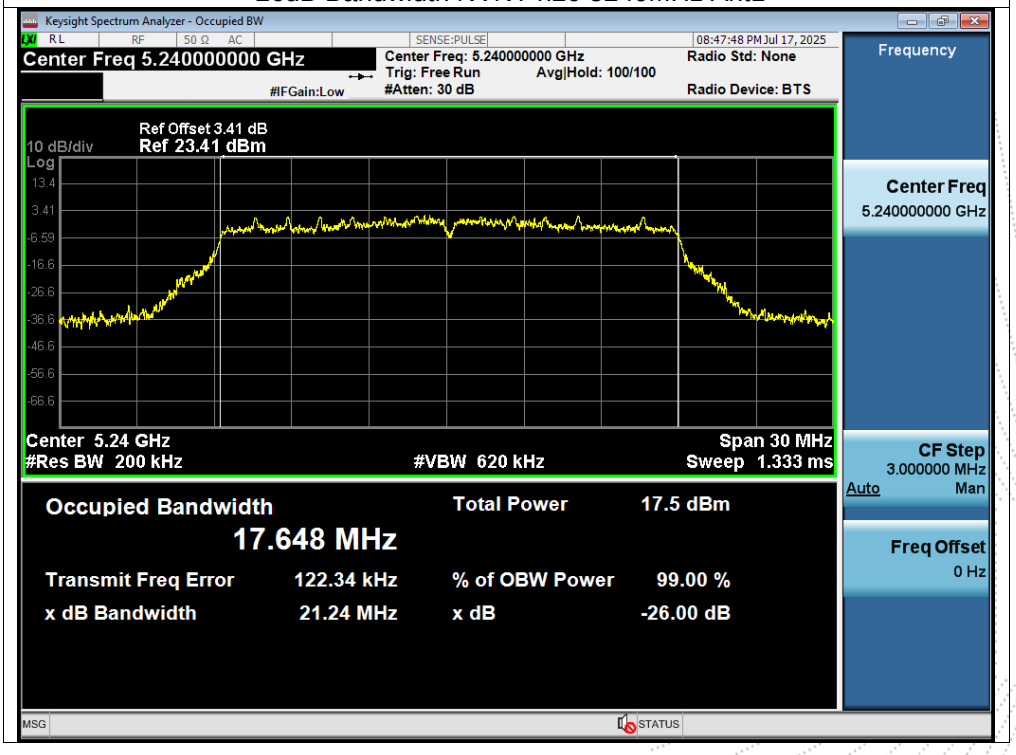
-26dB Bandwidth NVNT a 5240MHz Ant1



-26dB Bandwidth NVNT n20 5180MHz Ant1



-26dB Bandwidth NVNT n20 5200MHz Ant1



-26dB Bandwidth NVNT n20 5240MHz Ant1