

### 3. Maximum Power Spectral Density

#### 3.1 PSD

##### 3.1.1 Test Result

Mode	Frequency (MHz)	Antenna	Total PSD (dBm)	Limit (dBm)	Verdict
a	5180	Ant1	2.57	11	Pass
a	5240	Ant1	2.33	11	Pass
a	5260	Ant1	2.05	11	Pass
a	5320	Ant1	2.34	11	Pass
a	5500	Ant1	2.59	11	Pass
a	5700	Ant1	2.62	11	Pass
a	5745	Ant1	-1.37	30	Pass
a	5825	Ant1	-1.52	30	Pass
n20	5180	Ant1	2.36	11	Pass
n20	5240	Ant1	1.82	11	Pass
n20	5260	Ant1	1.97	11	Pass
n20	5320	Ant1	2.07	11	Pass
n20	5500	Ant1	2.16	11	Pass
n20	5700	Ant1	2.45	11	Pass
n20	5745	Ant1	-1.35	30	Pass
n20	5825	Ant1	-1.4	30	Pass
n40	5190	Ant1	0.25	11	Pass
n40	5230	Ant1	0.68	11	Pass
n40	5270	Ant1	0.33	11	Pass
n40	5310	Ant1	-0.26	11	Pass
n40	5510	Ant1	-1.16	11	Pass
n40	5670	Ant1	1.03	11	Pass
n40	5755	Ant1	-2.96	30	Pass
n40	5795	Ant1	-3.1	30	Pass
ac20	5180	Ant1	2.41	11	Pass
ac20	5240	Ant1	1.77	11	Pass
ac20	5260	Ant1	1.92	11	Pass
ac20	5320	Ant1	2.08	11	Pass
ac20	5500	Ant1	2.3	11	Pass
ac20	5700	Ant1	2.67	11	Pass
ac20	5745	Ant1	-1.66	30	Pass
ac20	5825	Ant1	-1.55	30	Pass
ac40	5190	Ant1	0.02	11	Pass
ac40	5230	Ant1	0.17	11	Pass
ac40	5270	Ant1	-0.09	11	Pass
ac40	5310	Ant1	-0.7	11	Pass
ac40	5510	Ant1	-1.35	11	Pass
ac40	5670	Ant1	0.98	11	Pass
ac40	5755	Ant1	-2.94	30	Pass
ac40	5795	Ant1	-3.14	30	Pass
ac80	5210	Ant1	-2.83	11	Pass
ac80	5290	Ant1	-4.45	11	Pass
ac80	5530	Ant1	-3.46	11	Pass
ac80	5610	Ant1	-2.25	11	Pass
ac80	5775	Ant1	-6.06	30	Pass
ax160	5250	Ant1	-10.34	11	Pass
ax160	5570	Ant1	-8.54	11	Pass
ax20	5180	Ant1	2.28	11	Pass

ax20	5240	Ant1	1.58	11	Pass
ax20	5260	Ant1	1.75	11	Pass
ax20	5320	Ant1	1.78	11	Pass
ax20	5500	Ant1	1.92	11	Pass
ax20	5700	Ant1	2.6	11	Pass
ax20	5745	Ant1	-1.65	30	Pass
ax20	5825	Ant1	-1.9	30	Pass
ax40	5190	Ant1	0.24	11	Pass
ax40	5230	Ant1	-0.08	11	Pass
ax40	5270	Ant1	-0.2	11	Pass
ax40	5310	Ant1	-1.18	11	Pass
ax40	5510	Ant1	-1.57	11	Pass
ax40	5670	Ant1	0.71	11	Pass
ax40	5755	Ant1	-3.38	30	Pass
ax40	5795	Ant1	-3.65	30	Pass
ax80	5210	Ant1	-2.94	11	Pass
ax80	5290	Ant1	-4.87	11	Pass
ax80	5530	Ant1	-3.96	11	Pass
ax80	5610	Ant1	-2.22	11	Pass
ax80	5775	Ant1	-6.27	30	Pass



Mode	Frequency (MHz)	Antenna	Total PSD (dBm)	Limit (dBm)	Verdict
a	5180	Ant2	2.19	11	Pass
a	5240	Ant2	1.67	11	Pass
a	5260	Ant2	1.88	11	Pass
a	5320	Ant2	2.14	11	Pass
a	5500	Ant2	2.23	11	Pass
a	5700	Ant2	2.54	11	Pass
a	5745	Ant2	-1.43	30	Pass
a	5825	Ant2	-1.94	30	Pass
n20	5180	Ant2	2.18	11	Pass
n20	5240	Ant2	1.76	11	Pass
n20	5260	Ant2	1.54	11	Pass
n20	5320	Ant2	2.19	11	Pass
n20	5500	Ant2	2.11	11	Pass
n20	5700	Ant2	2.48	11	Pass
n20	5745	Ant2	-1.64	30	Pass
n20	5825	Ant2	-2.24	30	Pass
n40	5190	Ant2	-0.03	11	Pass
n40	5230	Ant2	0.1	11	Pass
n40	5270	Ant2	0.51	11	Pass
n40	5310	Ant2	-0.3	11	Pass
n40	5510	Ant2	-1.13	11	Pass
n40	5670	Ant2	0.78	11	Pass
n40	5755	Ant2	-3.05	30	Pass
n40	5795	Ant2	-3.25	30	Pass
ac20	5180	Ant2	2.78	11	Pass
ac20	5240	Ant2	1.72	11	Pass
ac20	5260	Ant2	1.43	11	Pass
ac20	5320	Ant2	2.4	11	Pass
ac20	5500	Ant2	2.1	11	Pass
ac20	5700	Ant2	2.59	11	Pass
ac20	5745	Ant2	-1.2	30	Pass
ac20	5825	Ant2	-1.99	30	Pass
ac40	5190	Ant2	0.12	11	Pass
ac40	5230	Ant2	0.33	11	Pass
ac40	5270	Ant2	-0.15	11	Pass
ac40	5310	Ant2	-0.81	11	Pass
ac40	5510	Ant2	-1.28	11	Pass
ac40	5670	Ant2	0.82	11	Pass
ac40	5755	Ant2	-2.83	30	Pass
ac40	5795	Ant2	-3.66	30	Pass
ac80	5210	Ant2	-2.94	11	Pass
ac80	5290	Ant2	-4.42	11	Pass
ac80	5530	Ant2	-3.53	11	Pass
ac80	5610	Ant2	-1.79	11	Pass
ac80	5775	Ant2	-5.77	30	Pass
ax160	5250	Ant2	-9.79	11	Pass
ax160	5570	Ant2	-8.37	11	Pass
ax20	5180	Ant2	2.27	11	Pass
ax20	5240	Ant2	1.31	11	Pass
ax20	5260	Ant2	1	11	Pass
ax20	5320	Ant2	1.95	11	Pass
ax20	5500	Ant2	2.22	11	Pass
ax20	5700	Ant2	2.33	11	Pass
ax20	5745	Ant2	-1.56	30	Pass
ax20	5825	Ant2	-2.5	30	Pass
ax40	5190	Ant2	0.24	11	Pass

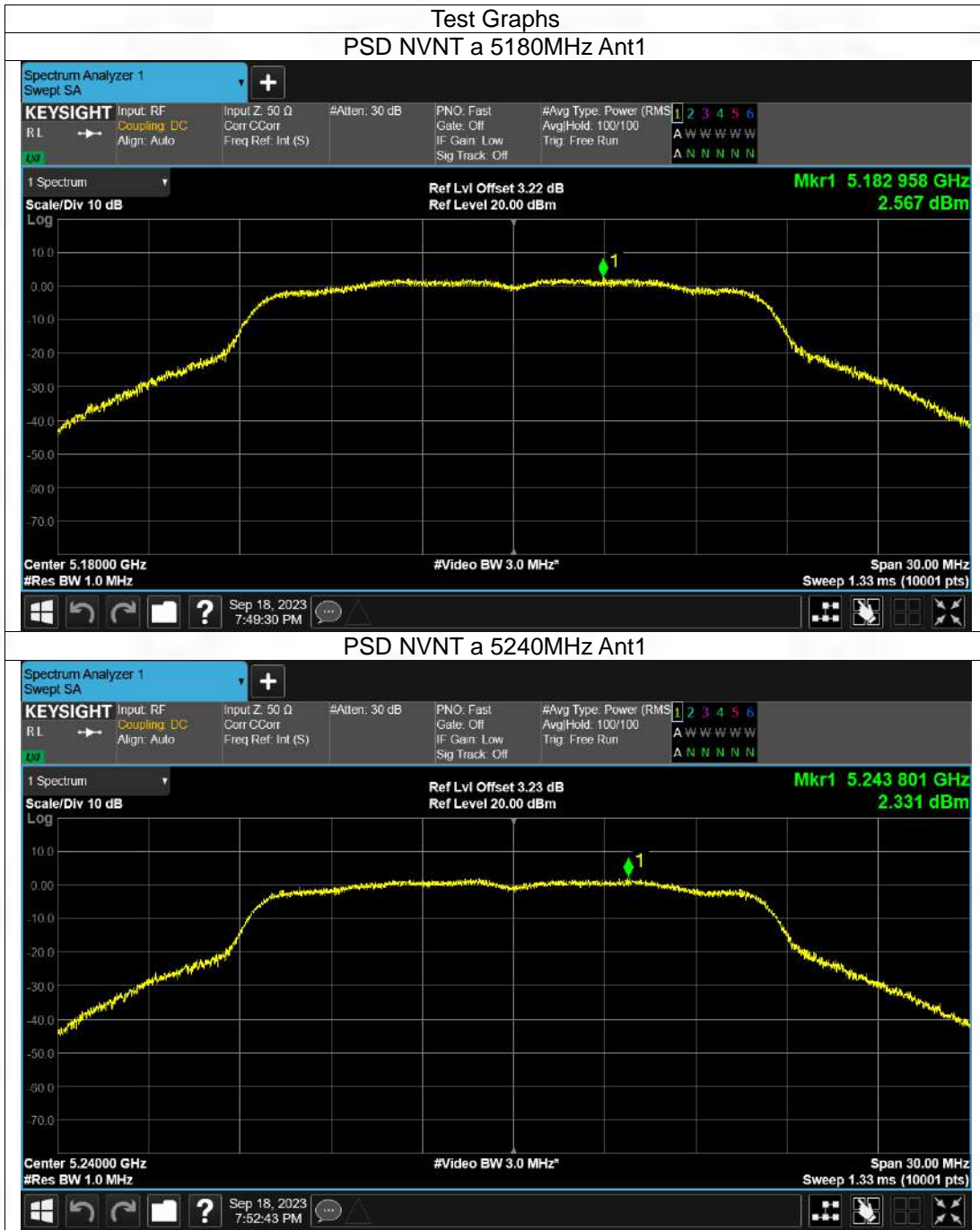
ax40	5230	Ant2	-0.25	11	Pass
ax40	5270	Ant2	-0.36	11	Pass
ax40	5310	Ant2	-0.97	11	Pass
ax40	5510	Ant2	-1.35	11	Pass
ax40	5670	Ant2	0.72	11	Pass
ax40	5755	Ant2	-3.27	30	Pass
ax40	5795	Ant2	-3.75	30	Pass
ax80	5210	Ant2	-3.06	11	Pass
ax80	5290	Ant2	-4.84	11	Pass
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ax80	5610	Ant2	-1.91	11	Pass
ax80	5775	Ant2	-5.67	30	Pass

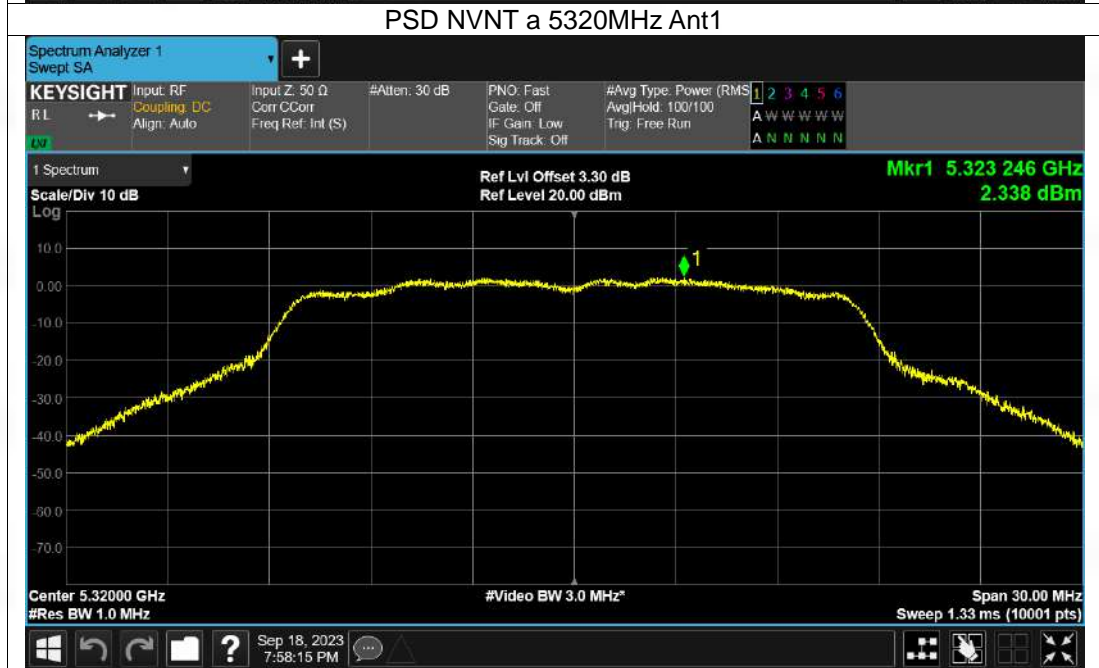
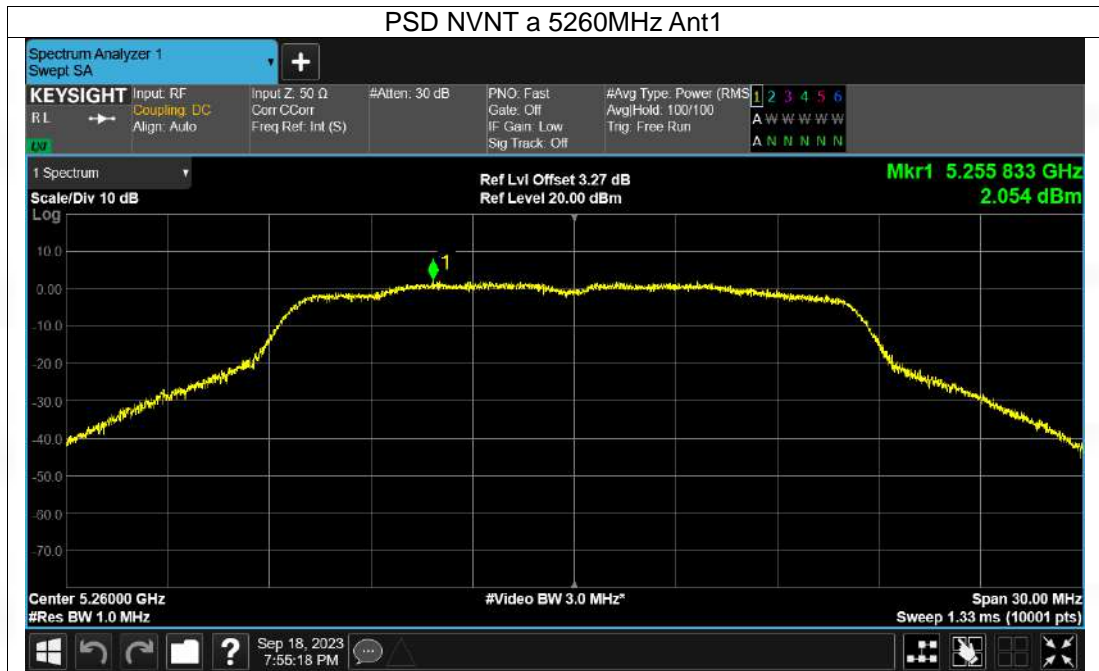
### MIMO Mode

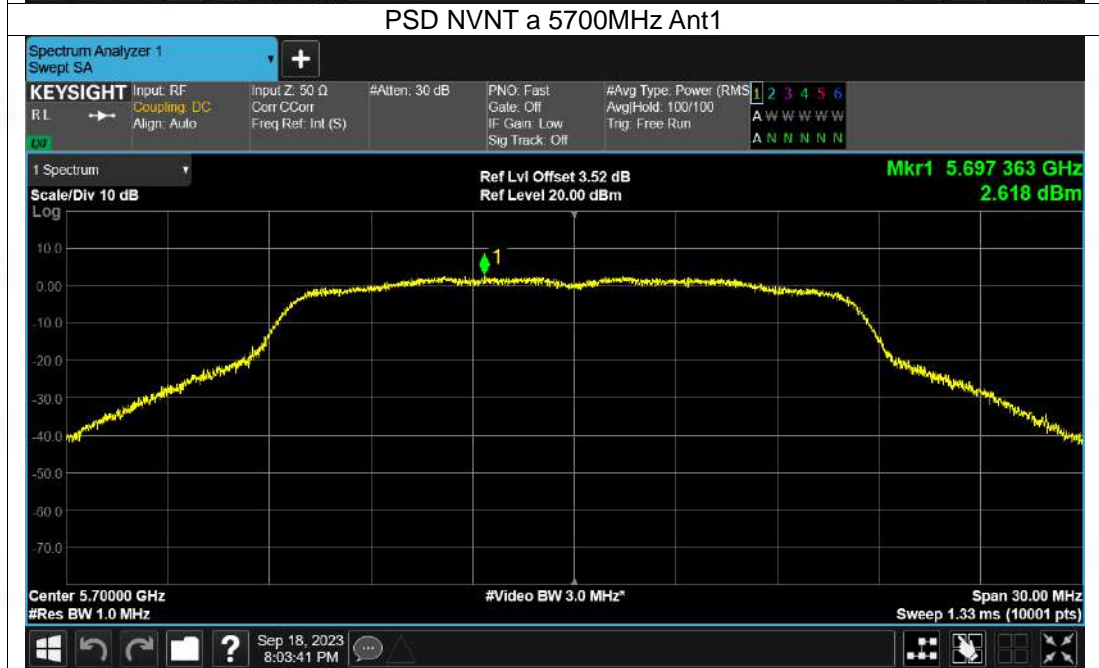
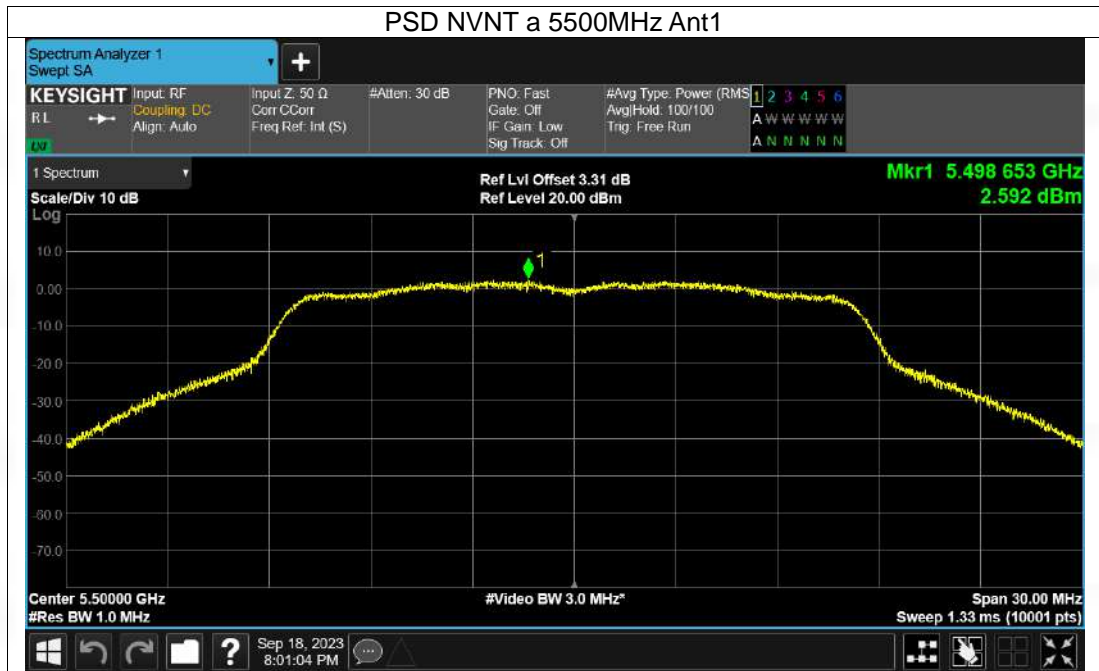
Mode	Frequency (MHz)	Total PSD (dBm)	Limit (dBm)	Verdict
n20	5180	5.28	11	Pass
n20	5240	4.80	11	Pass
n20	5260	4.77	11	Pass
n20	5320	5.14	11	Pass
n20	5500	5.15	11	Pass
n20	5700	5.48	11	Pass
n20	5745	1.52	30	Pass
n20	5825	1.21	30	Pass
n40	5190	3.12	11	Pass
n40	5230	3.41	11	Pass
n40	5270	3.43	11	Pass
n40	5310	2.73	11	Pass
n40	5510	1.87	11	Pass
n40	5670	3.92	11	Pass
n40	5755	0.01	30	Pass
n40	5795	-0.16	30	Pass
ac20	5180	5.61	11	Pass
ac20	5240	4.76	11	Pass
ac20	5260	4.69	11	Pass
ac20	5320	5.25	11	Pass
ac20	5500	5.21	11	Pass
ac20	5700	5.64	11	Pass
ac20	5745	1.59	30	Pass
ac20	5825	1.25	30	Pass
ac40	5190	3.08	11	Pass
ac40	5230	3.26	11	Pass
ac40	5270	2.89	11	Pass
ac40	5310	2.26	11	Pass
ac40	5510	1.70	11	Pass
ac40	5670	3.91	11	Pass
ac40	5755	0.13	30	Pass
ac40	5795	-0.38	30	Pass
ac80	5210	0.13	11	Pass
ac80	5290	-1.42	11	Pass
ac80	5530	-0.48	11	Pass
ac80	5610	1.00	11	Pass
ac80	5775	-2.90	30	Pass
ax160	5250	-7.05	11	Pass
ax160	5570	-5.44	11	Pass
ax20	5180	5.29	11	Pass
ax20	5240	4.46	11	Pass
ax20	5260	4.40	11	Pass
ax20	5320	4.88	11	Pass
ax20	5500	5.08	11	Pass
ax20	5700	5.48	11	Pass
ax20	5745	1.41	30	Pass
ax20	5825	0.82	30	Pass
ax40	5190	3.25	11	Pass
ax40	5230	2.85	11	Pass
ax40	5270	2.73	11	Pass
ax40	5310	1.94	11	Pass
ax40	5510	1.55	11	Pass
ax40	5670	3.73	11	Pass
ax40	5755	-0.31	30	Pass

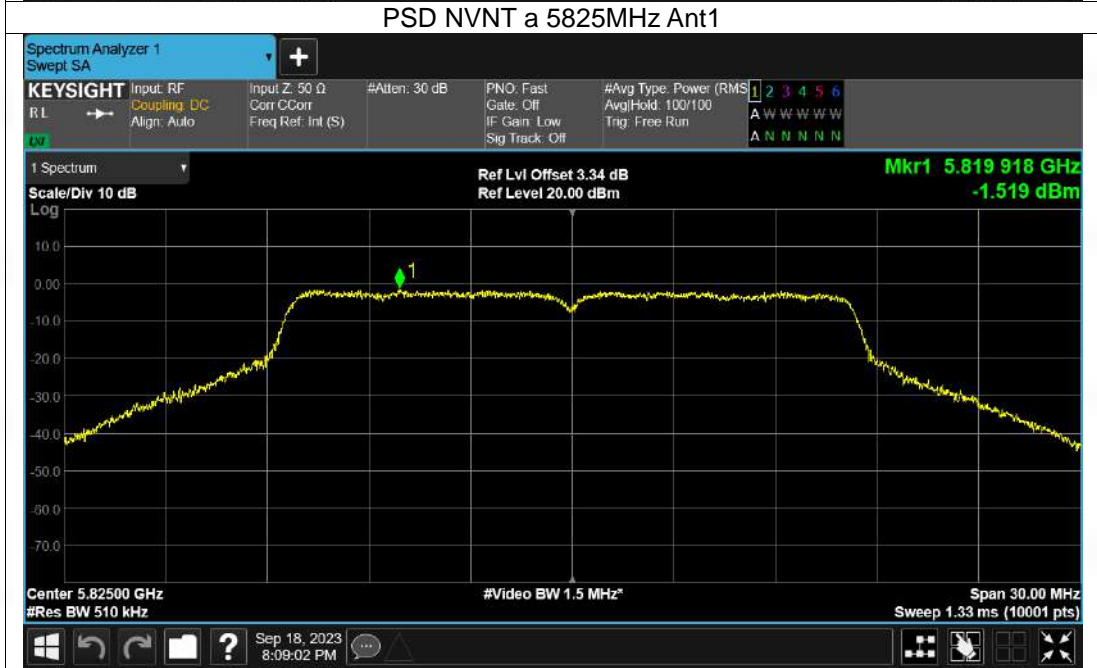
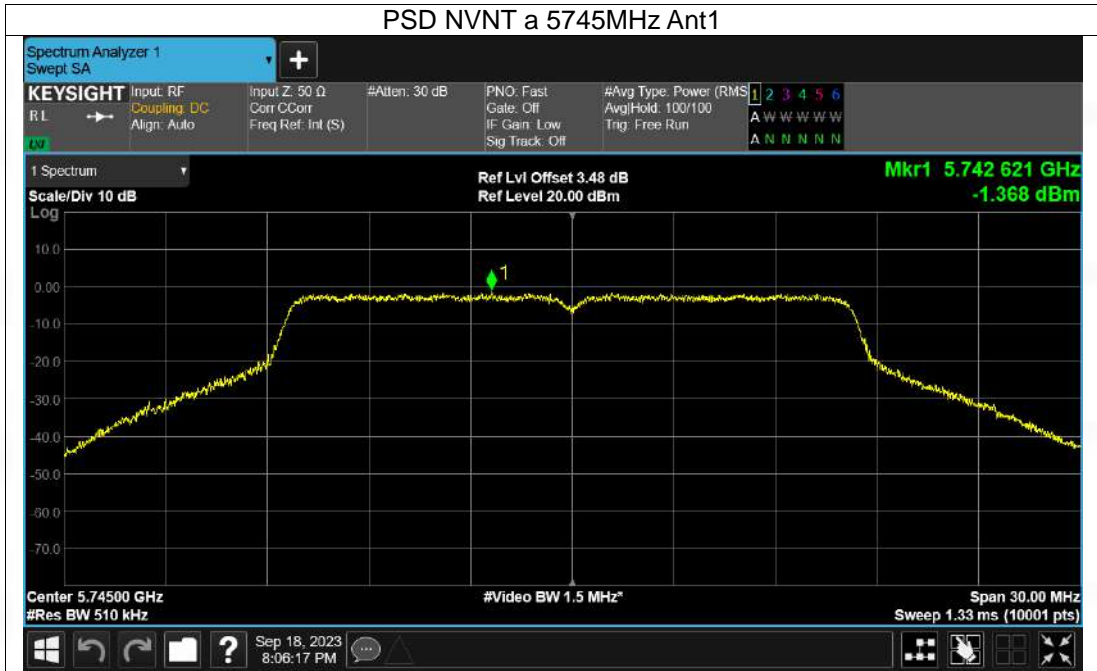
ax40	5795	-0.69	30	Pass
ax80	5210	0.01	11	Pass
ax80	5290	-1.84	11	Pass
ax80	5530	-1.01	11	Pass
ax80	5610	0.95	11	Pass
ax80	5775	-2.95	30	Pass

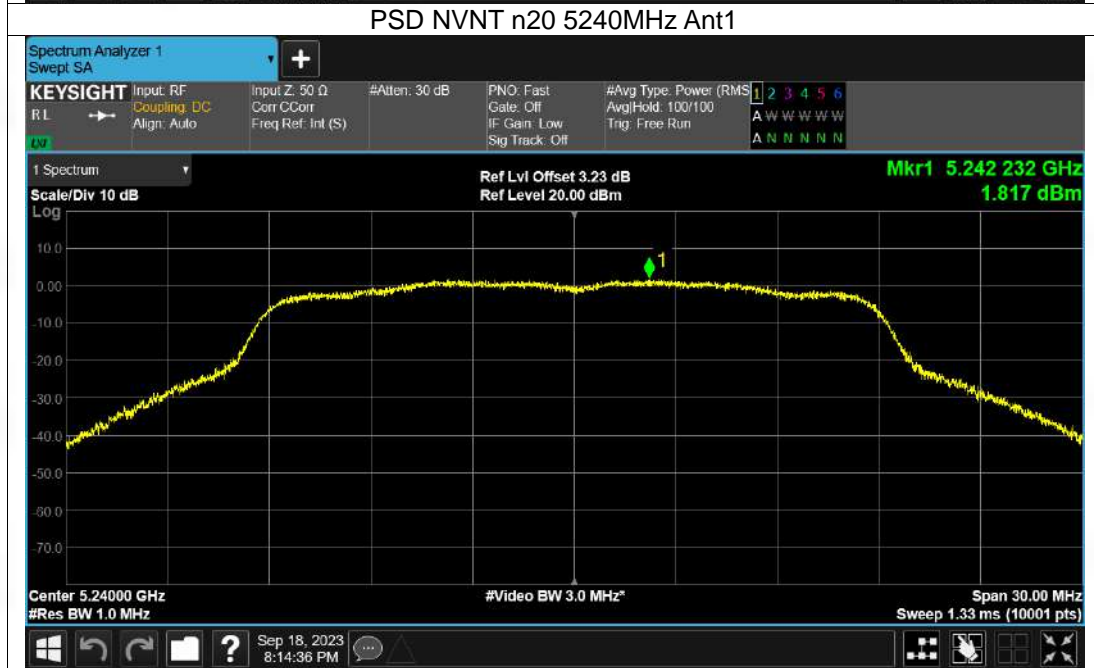
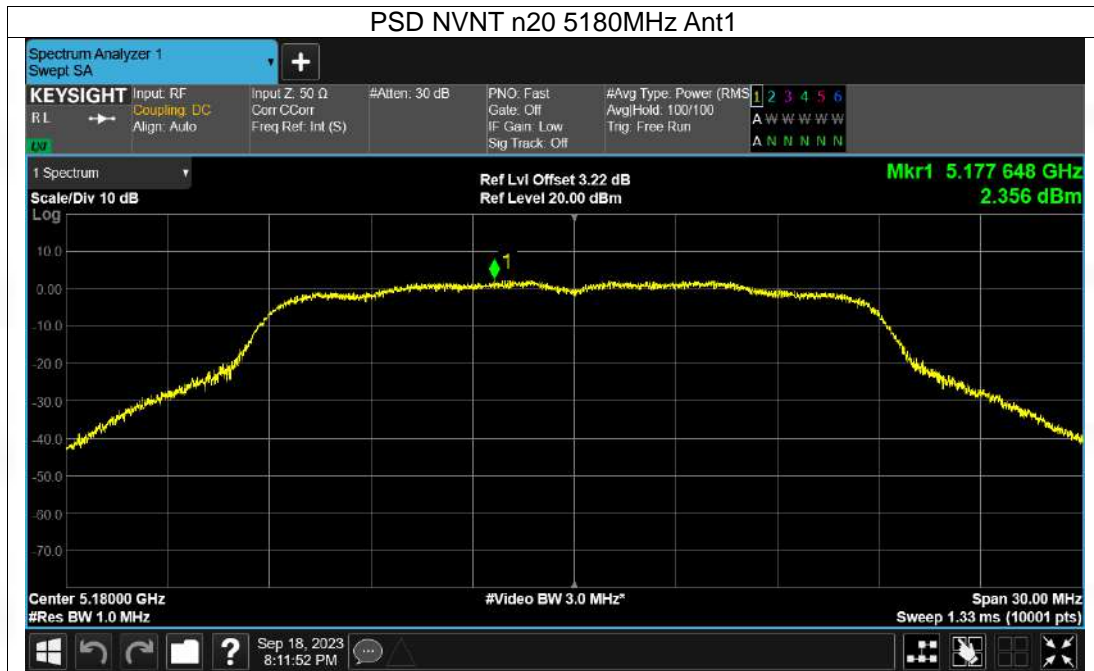
### 3.1.2 Test Graph



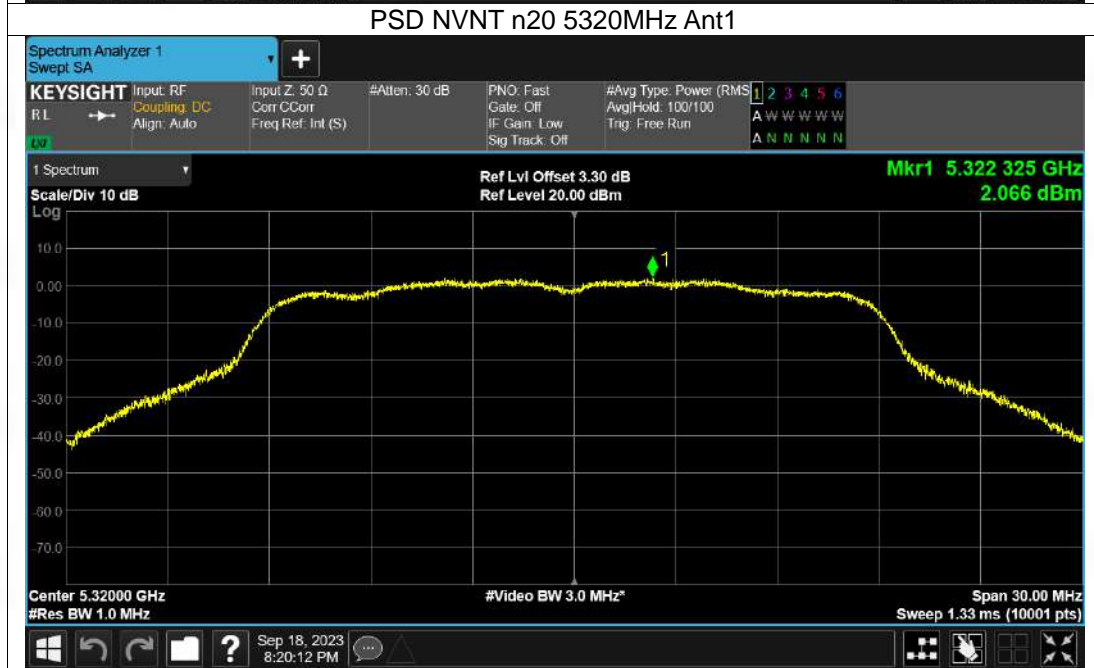
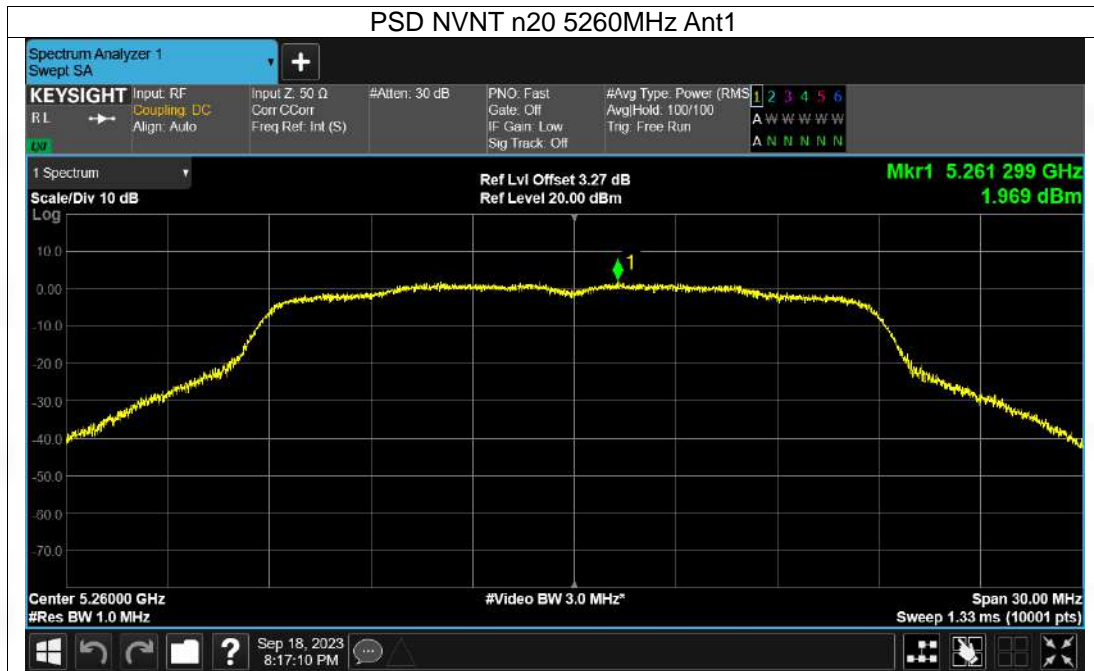


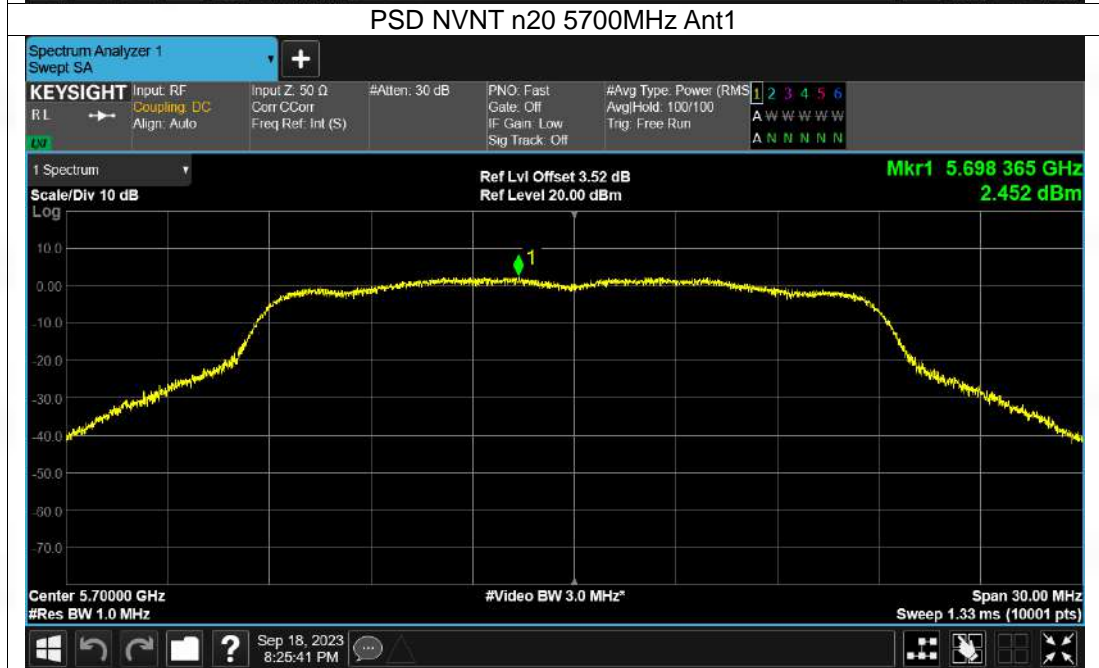
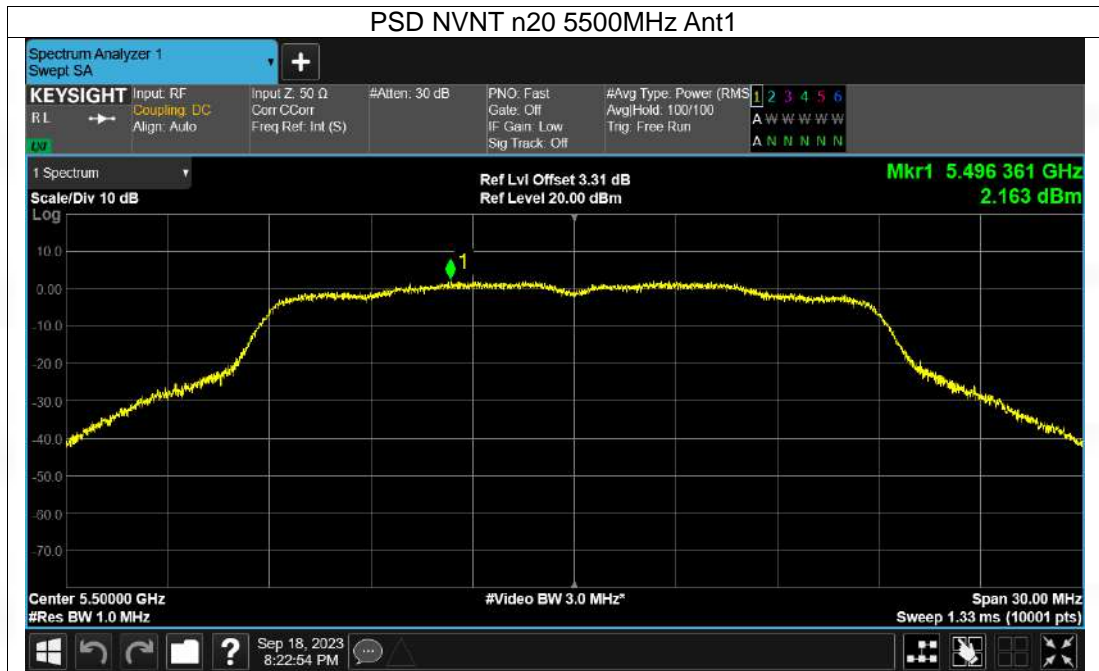


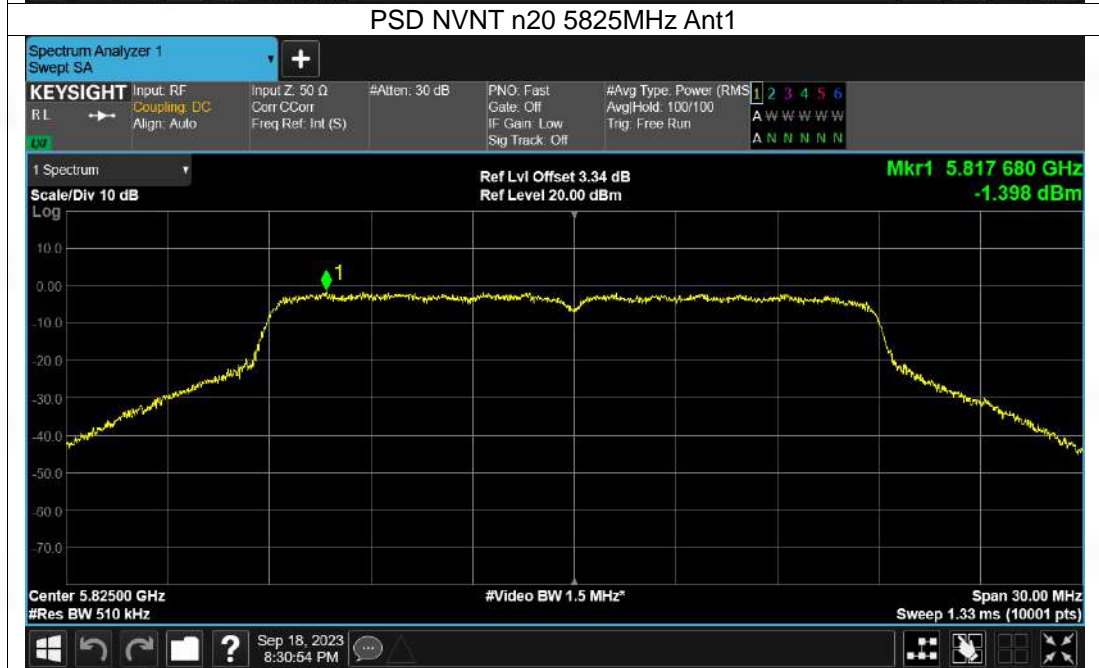
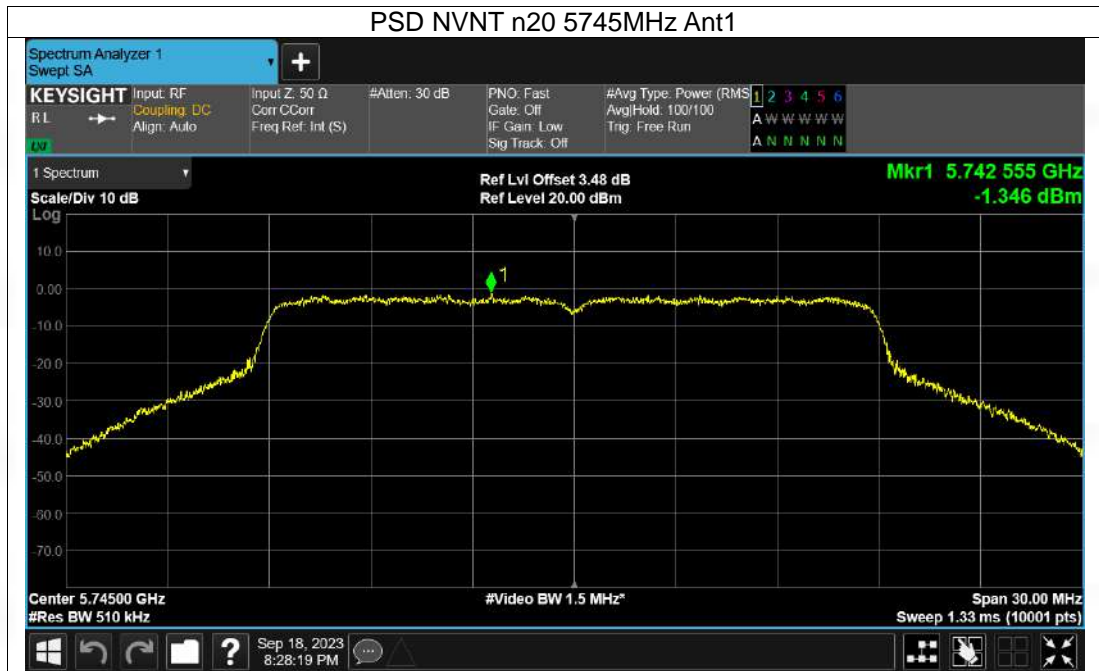


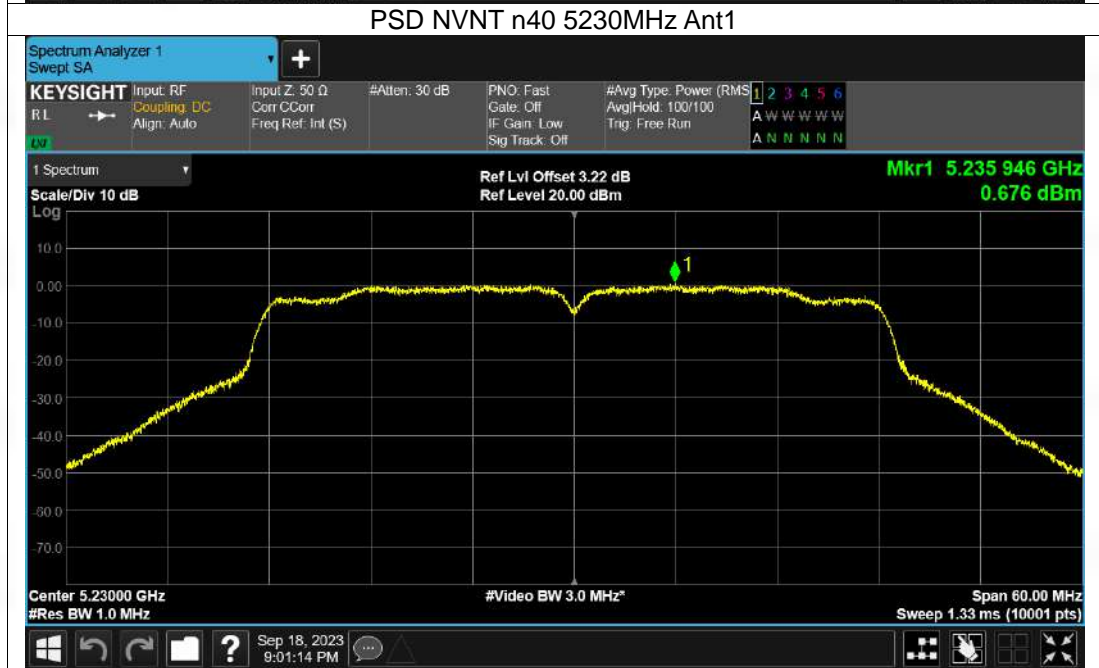
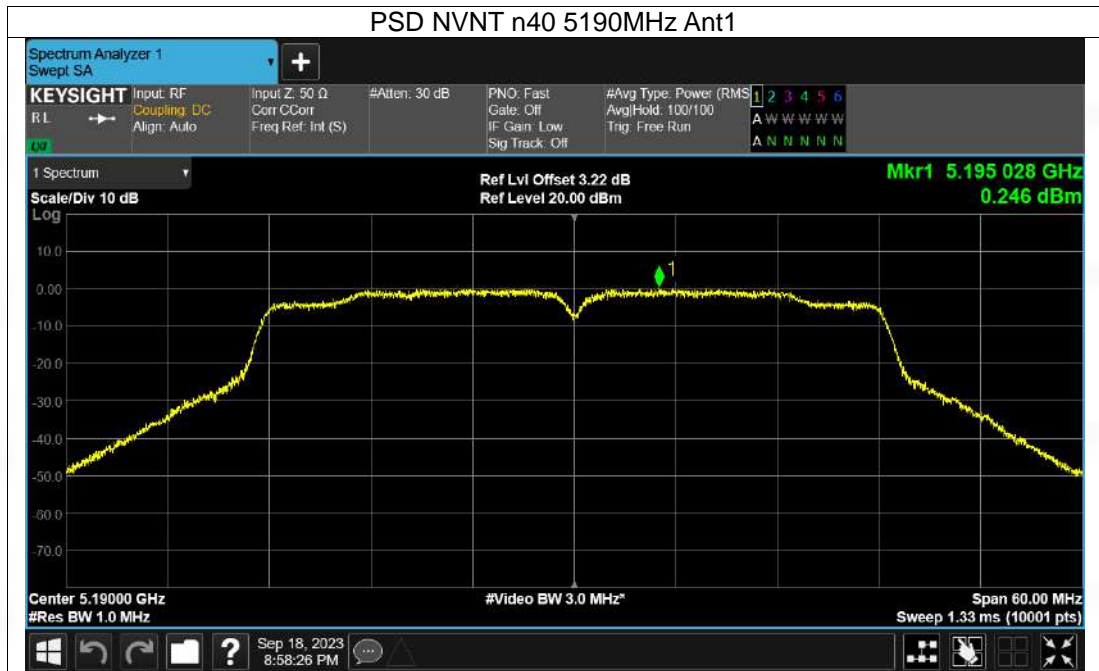


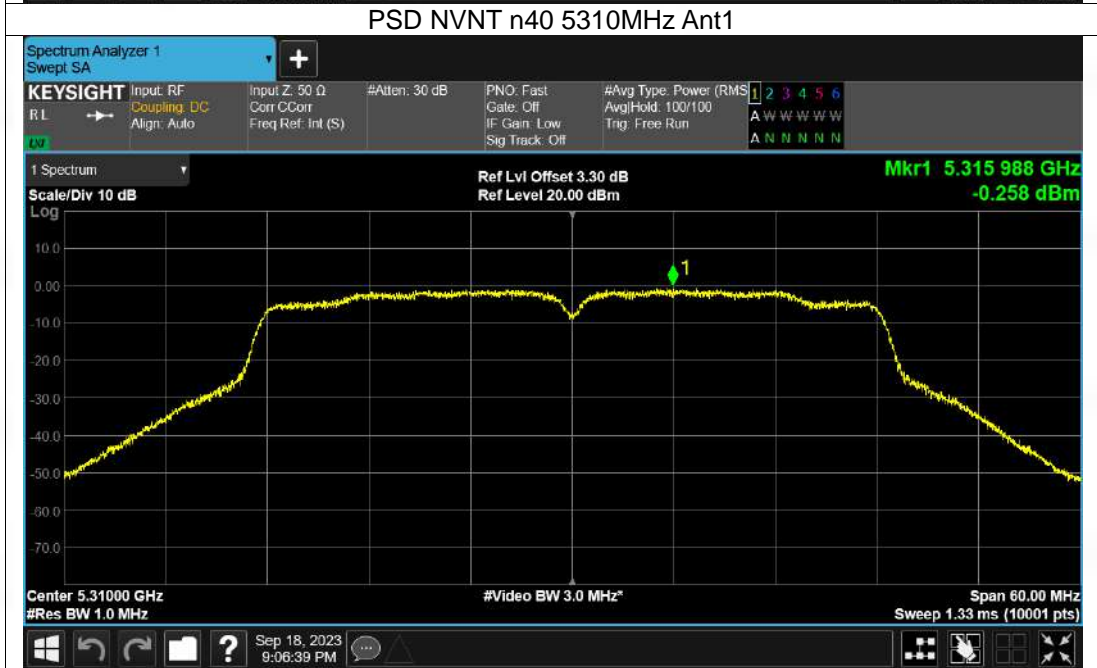
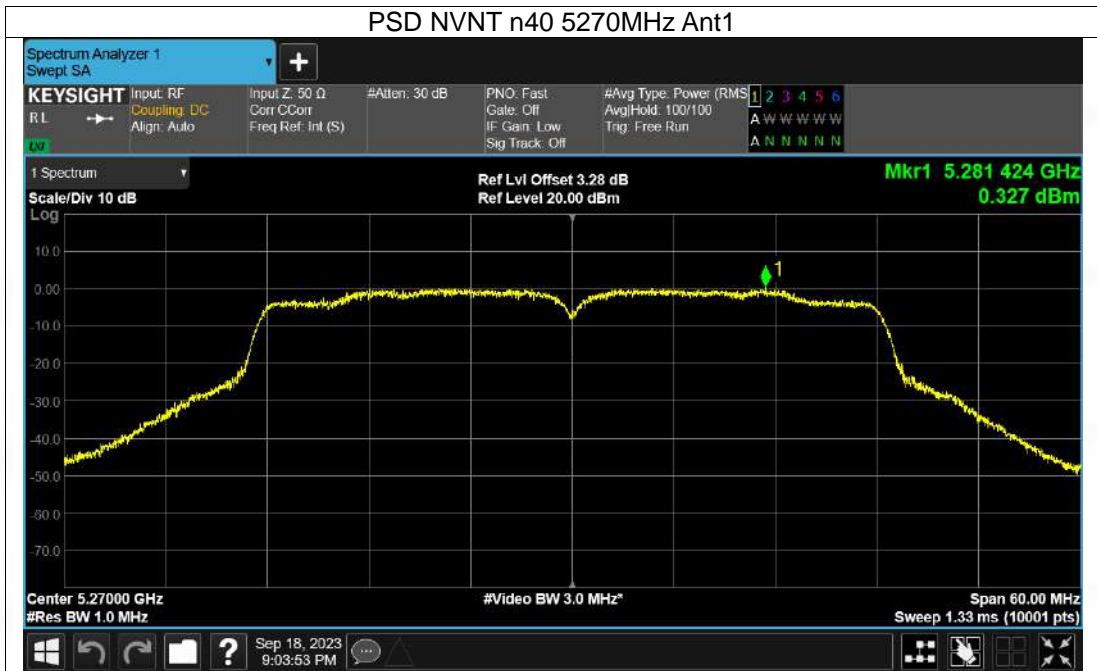


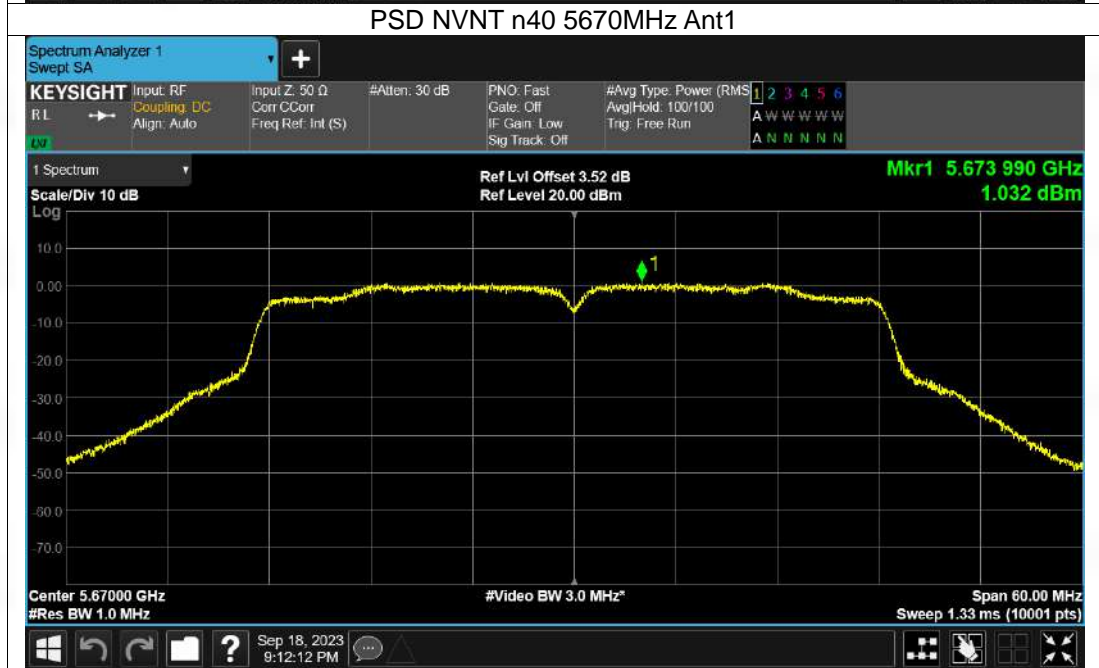
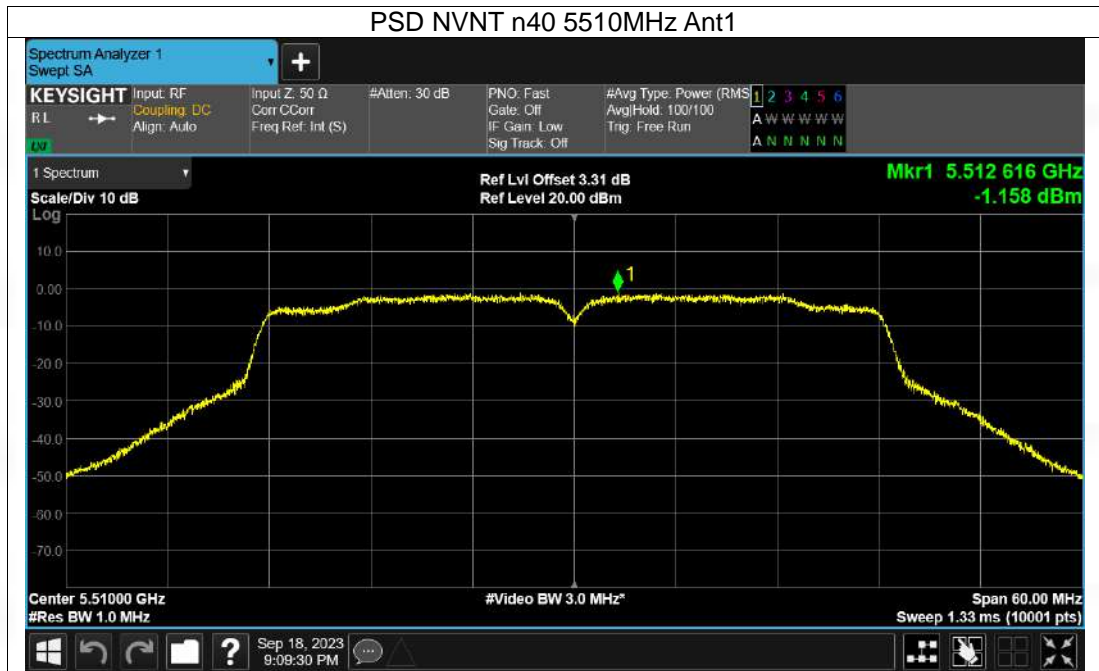


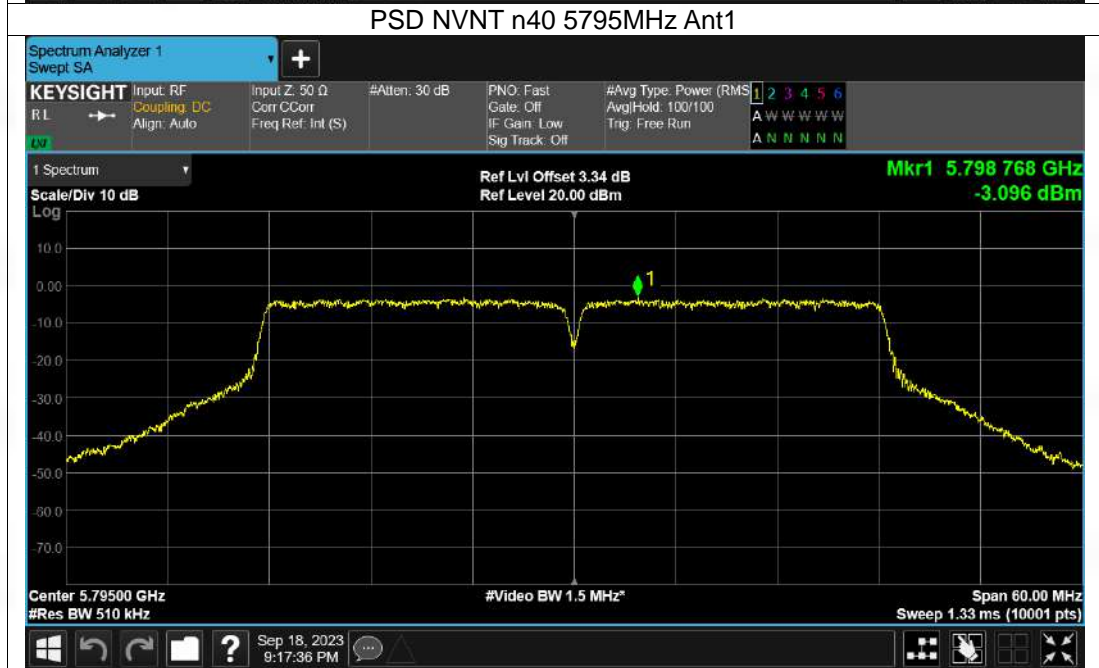
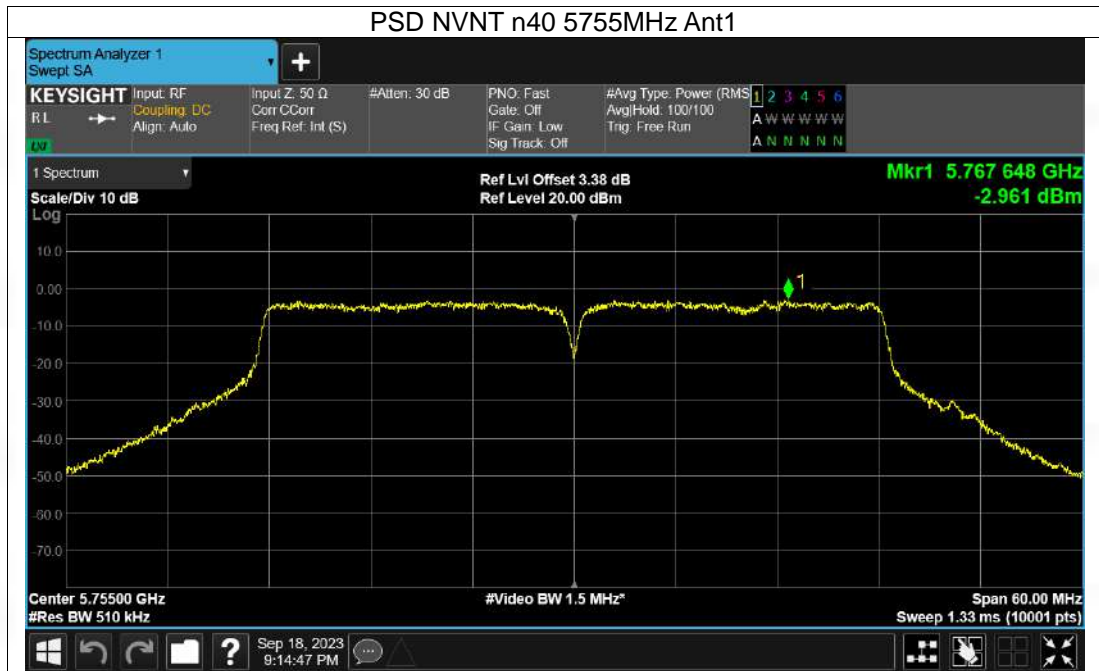




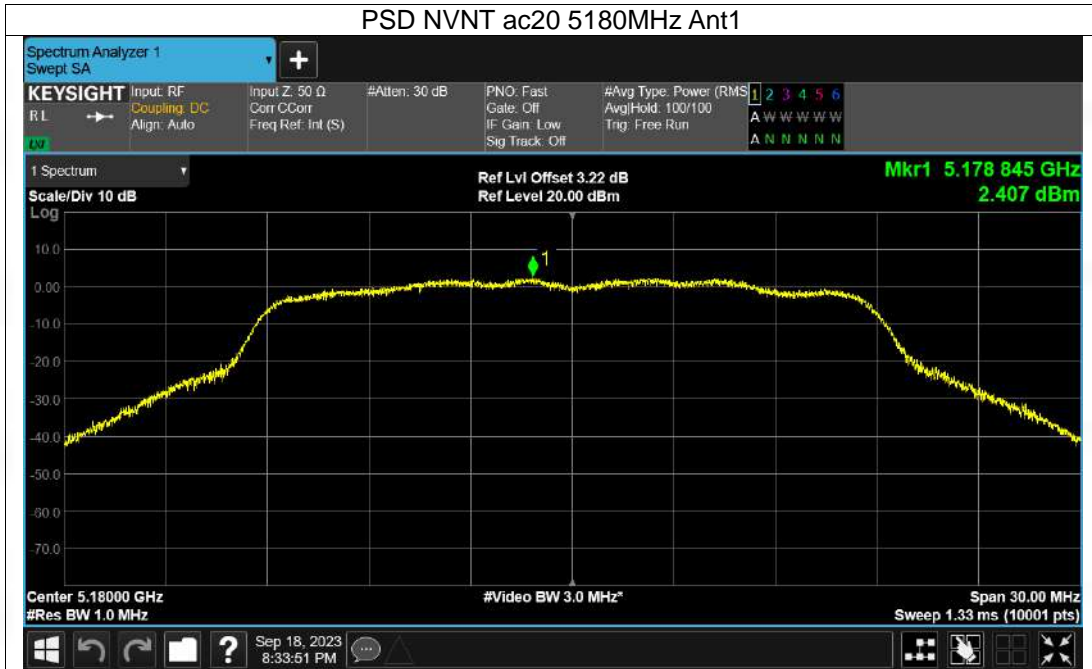




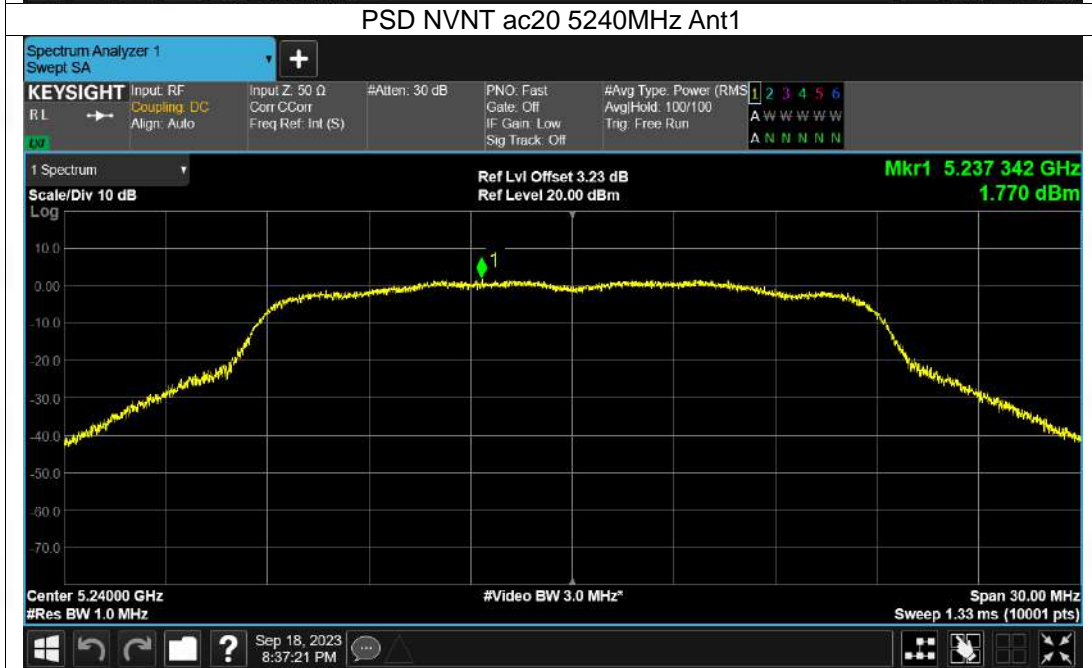




### PSD NVNT ac20 5180MHz Ant1

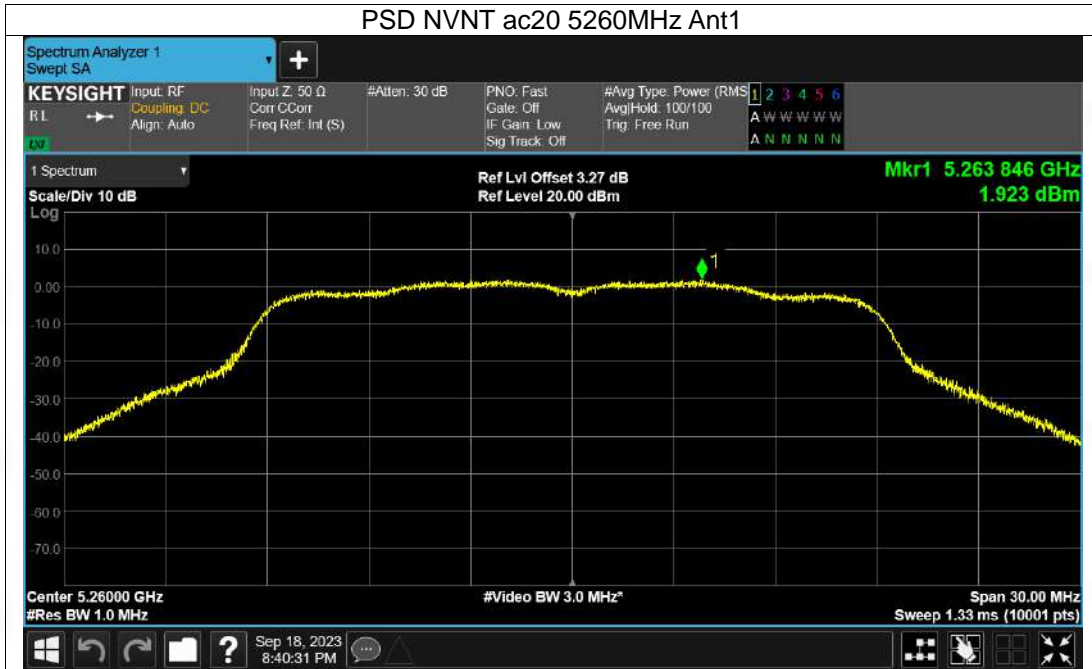


### PSD NVNT ac20 5240MHz Ant1

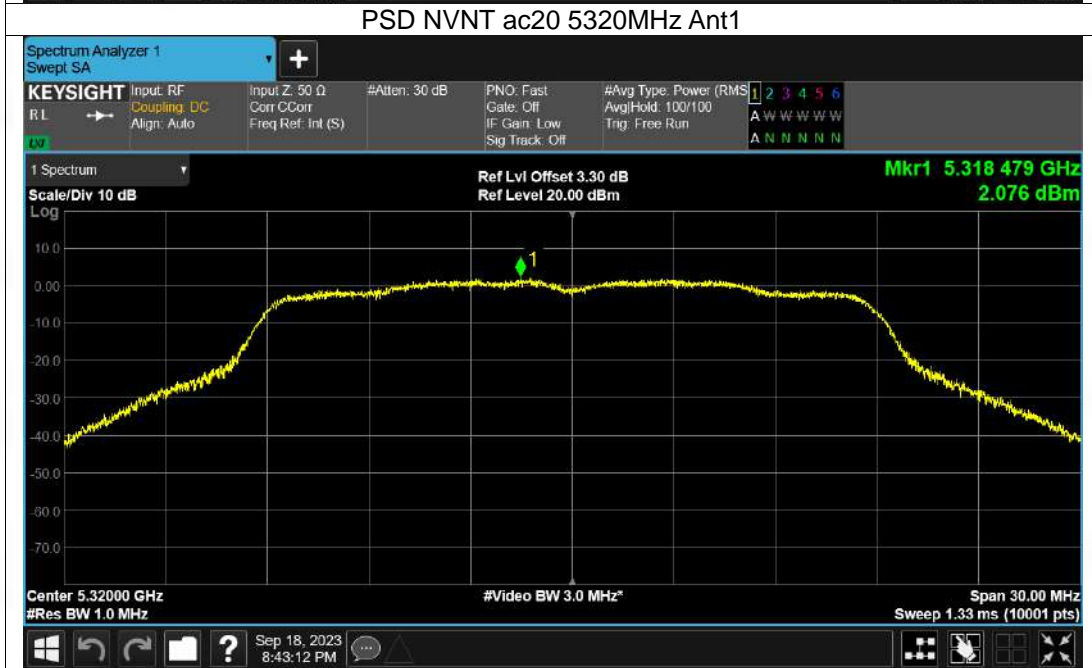




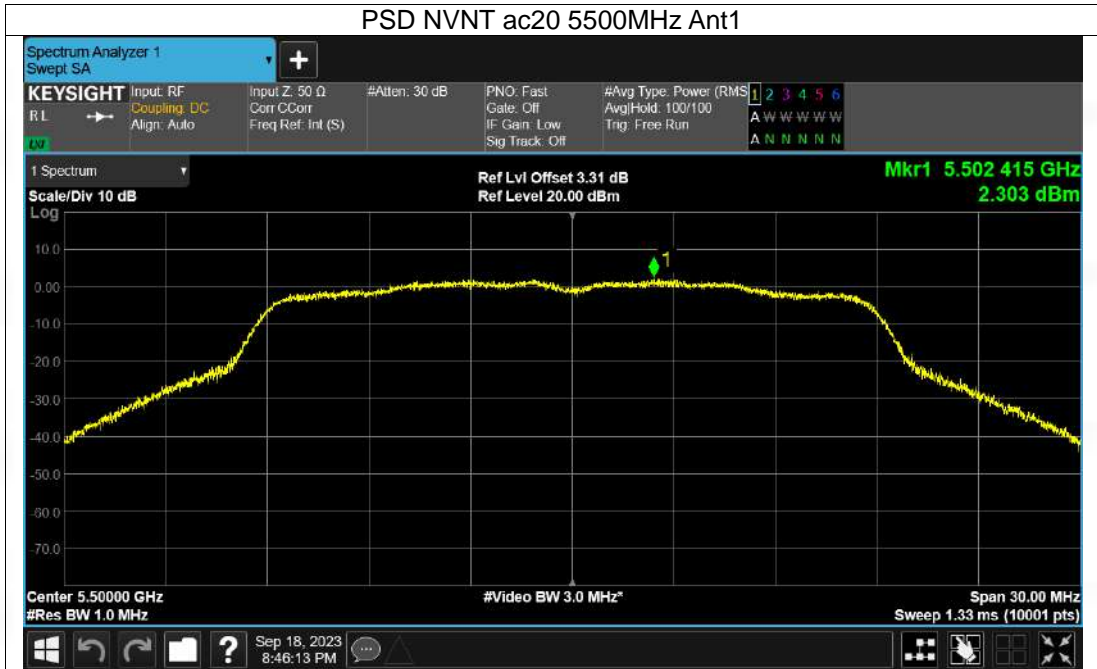
### PSD NVNT ac20 5260MHz Ant1



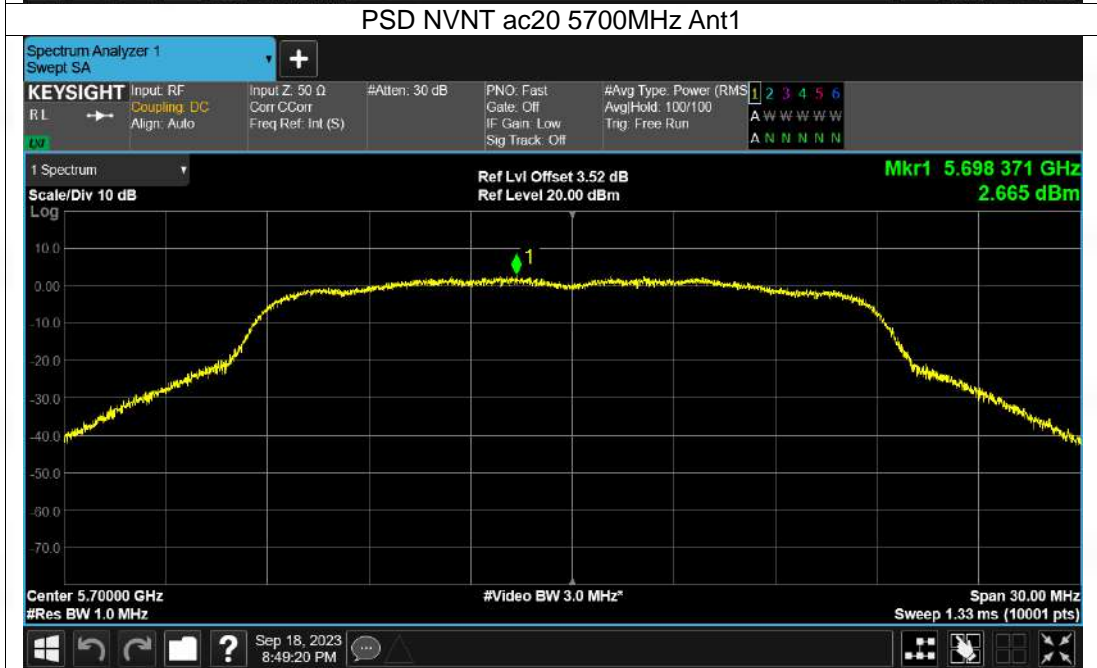
### PSD NVNT ac20 5320MHz Ant1



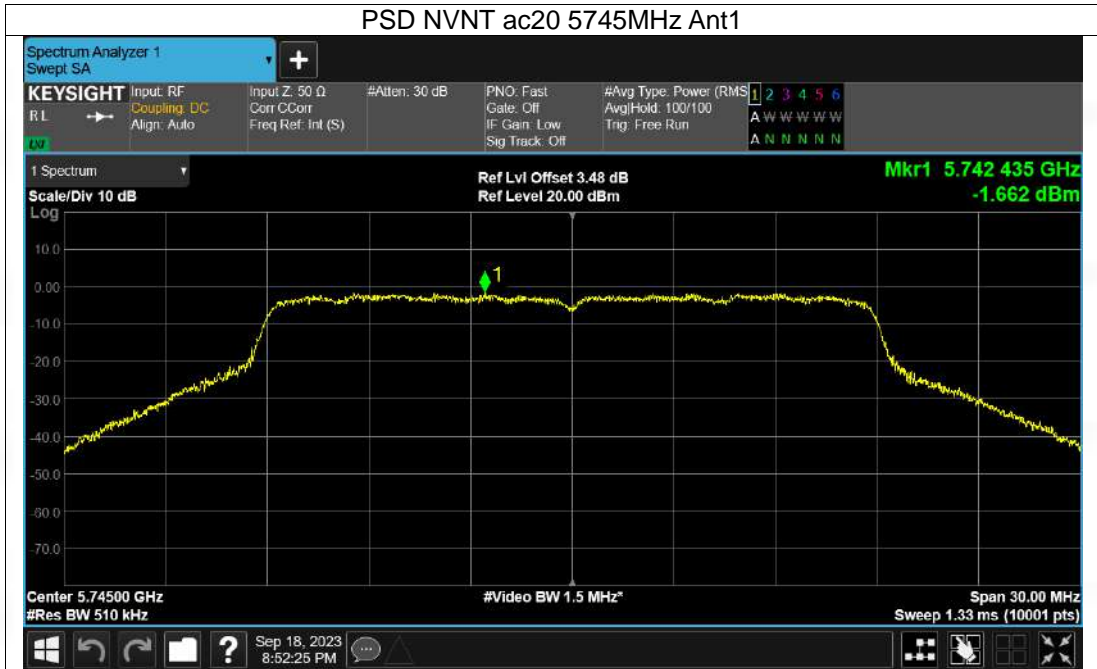
### PSD NVNT ac20 5500MHz Ant1



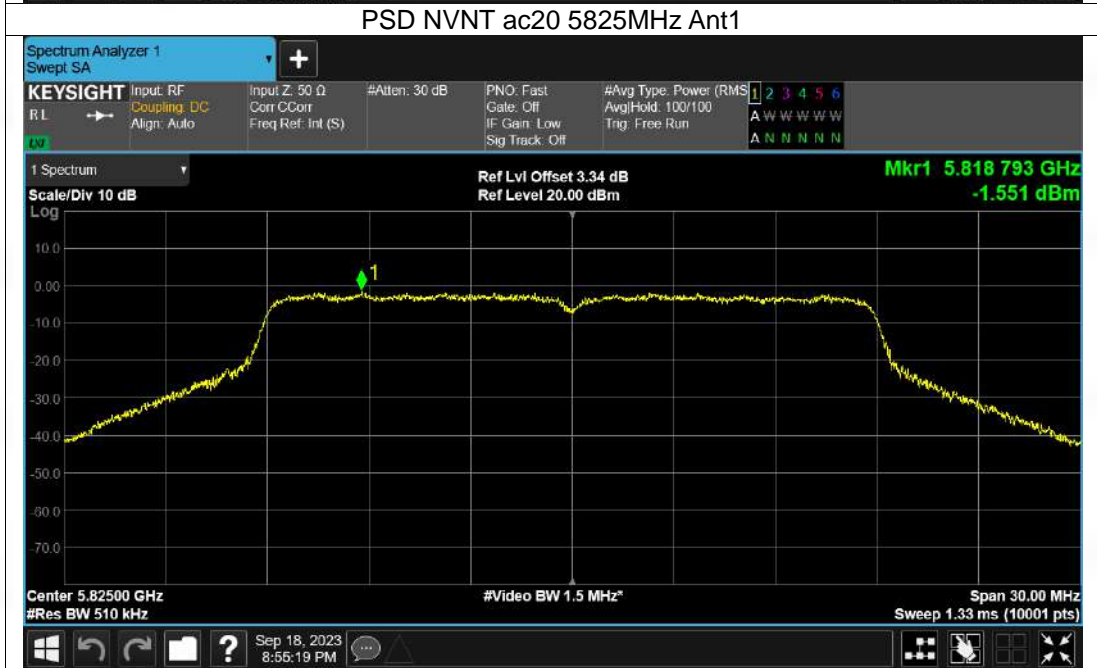
### PSD NVNT ac20 5700MHz Ant1



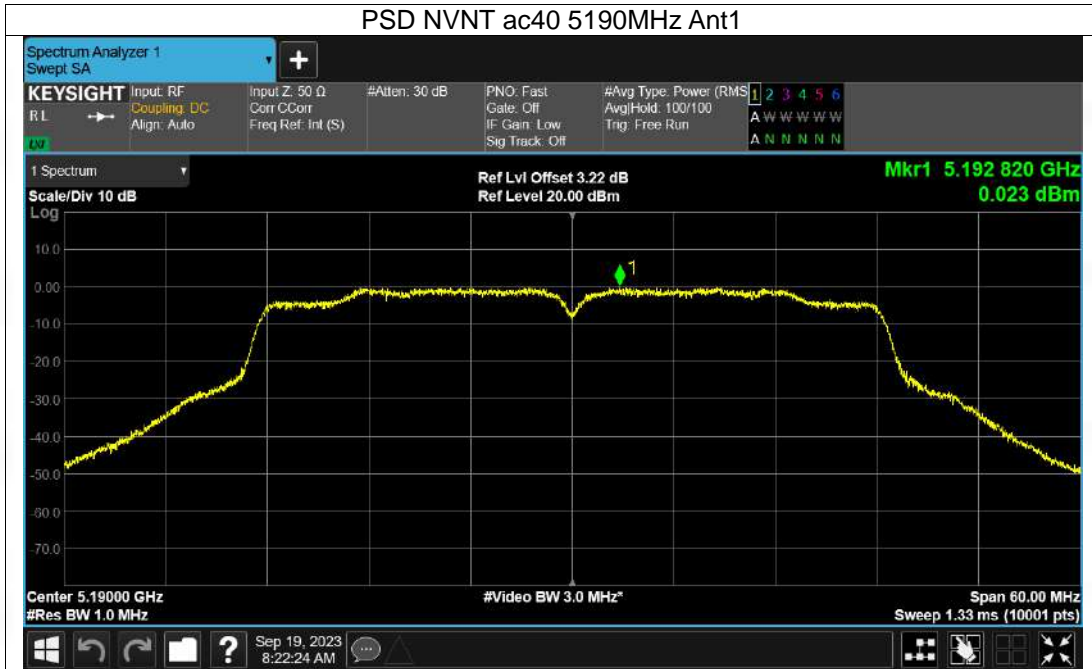
PSD NVNT ac20 5745MHz Ant1



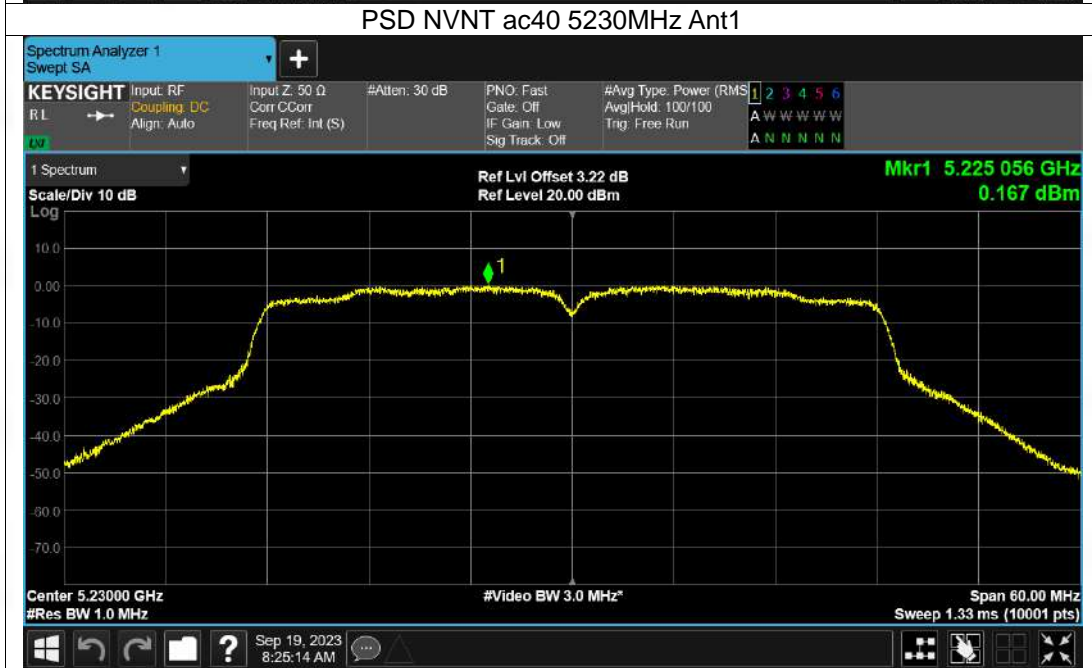
PSD NVNT ac20 5825MHz Ant1



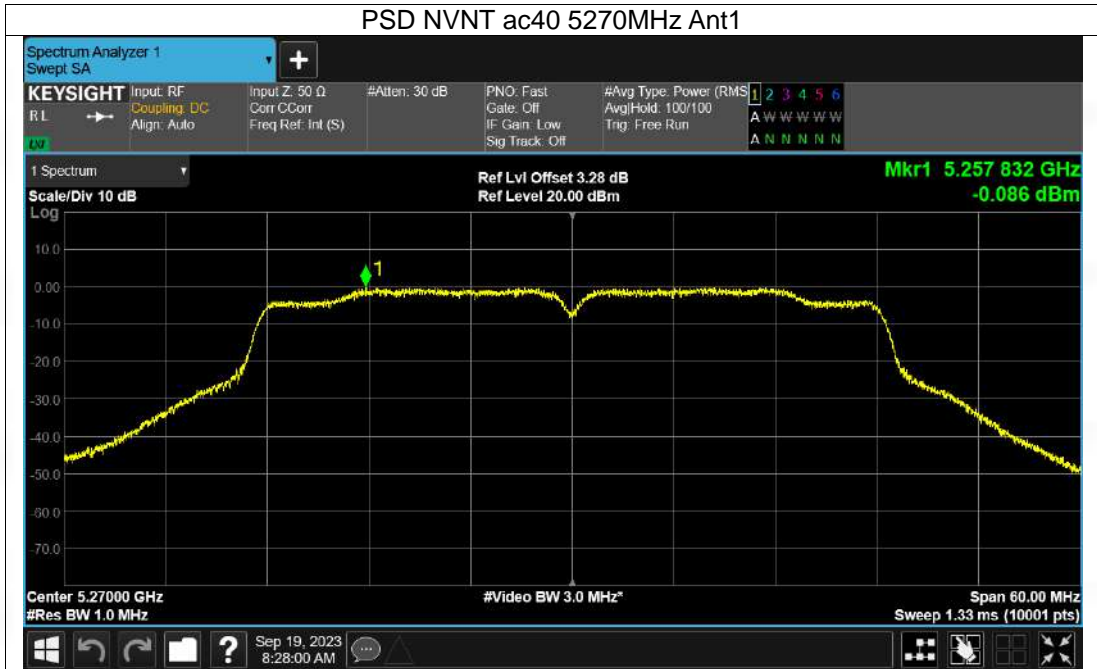
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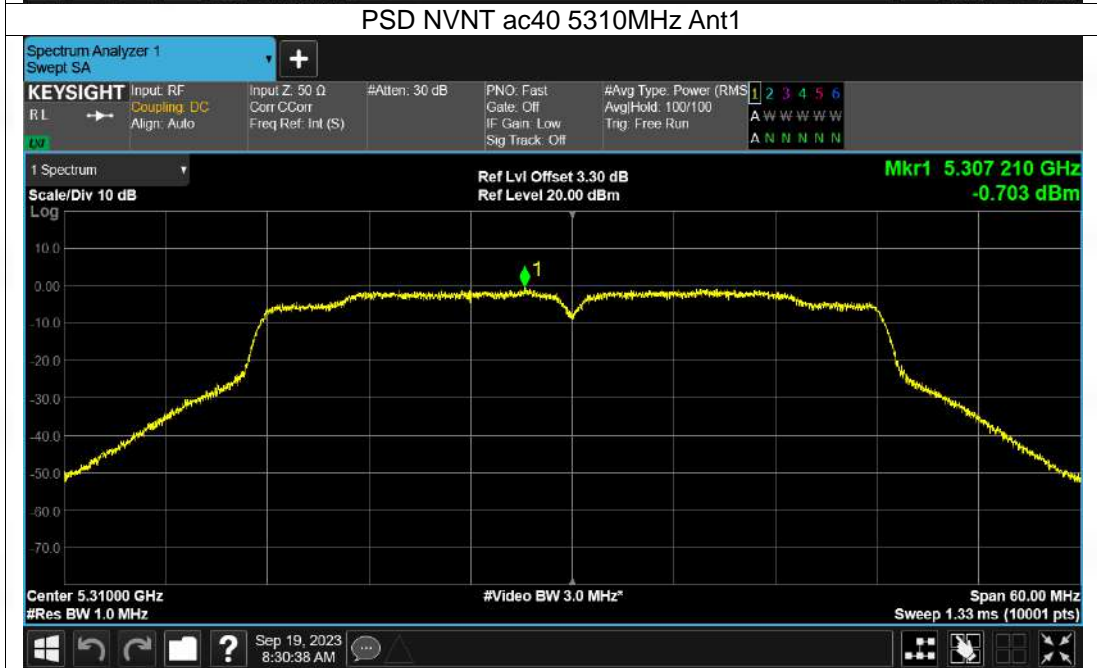
### PSD NVNT ac40 5230MHz Ant1



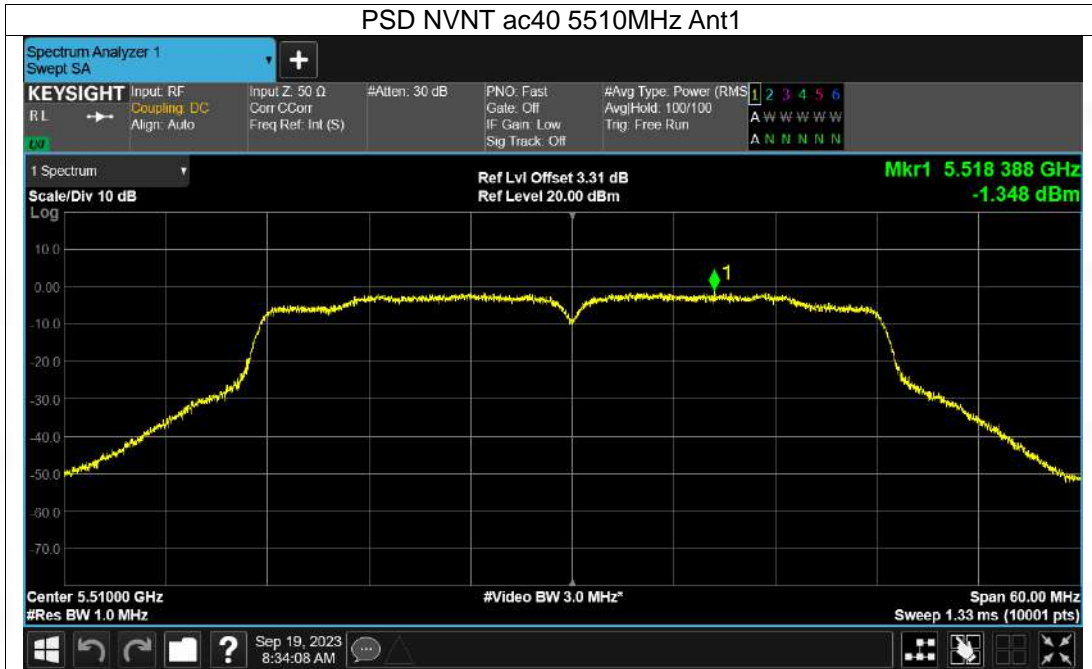
PSD NVNT ac40 5270MHz Ant1



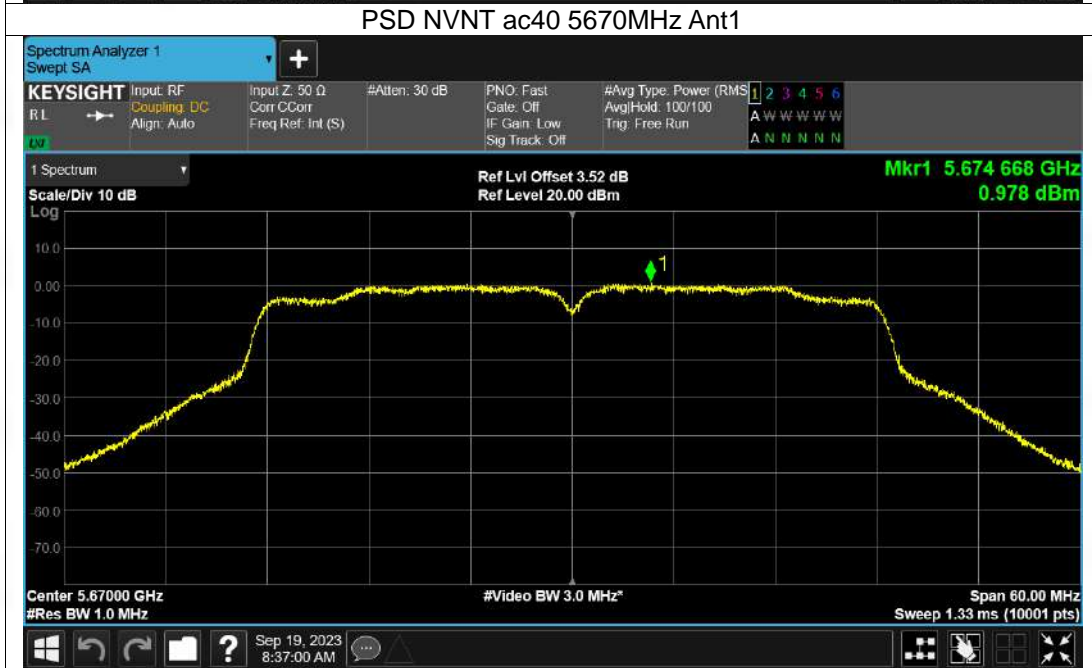
PSD NVNT ac40 5310MHz Ant1



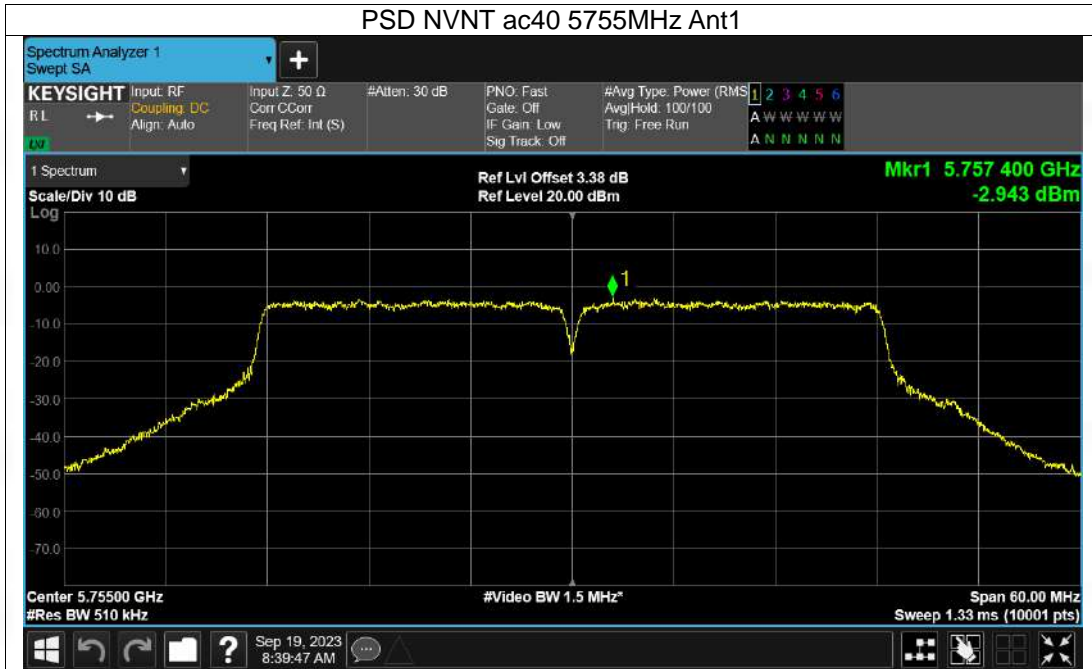
### PSD NVNT ac40 5510MHz Ant1



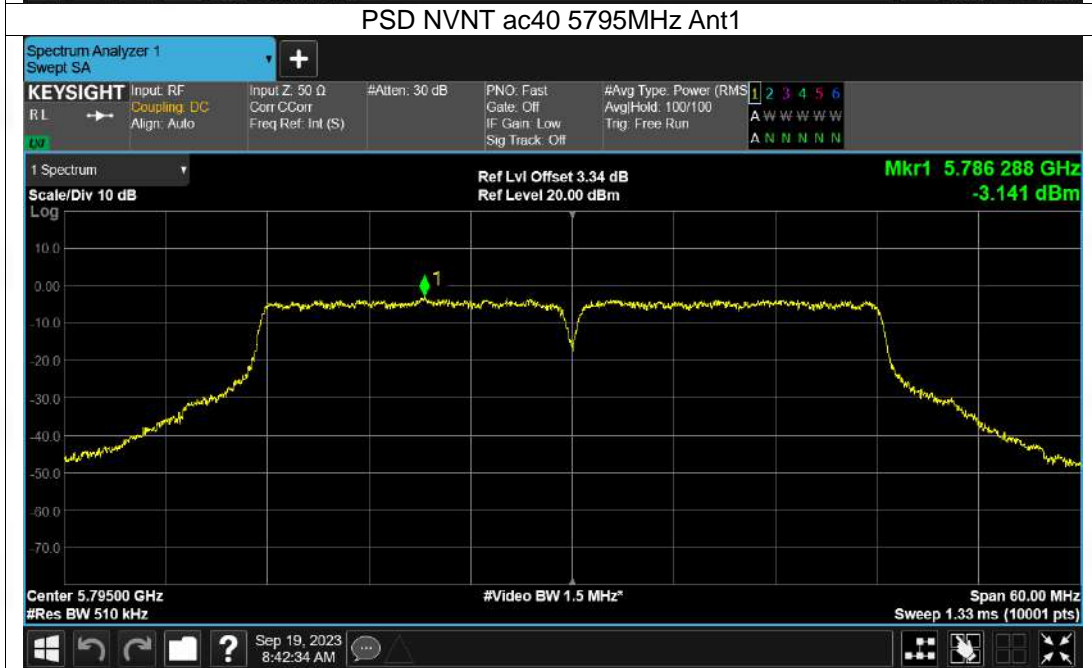
### PSD NVNT ac40 5670MHz Ant1



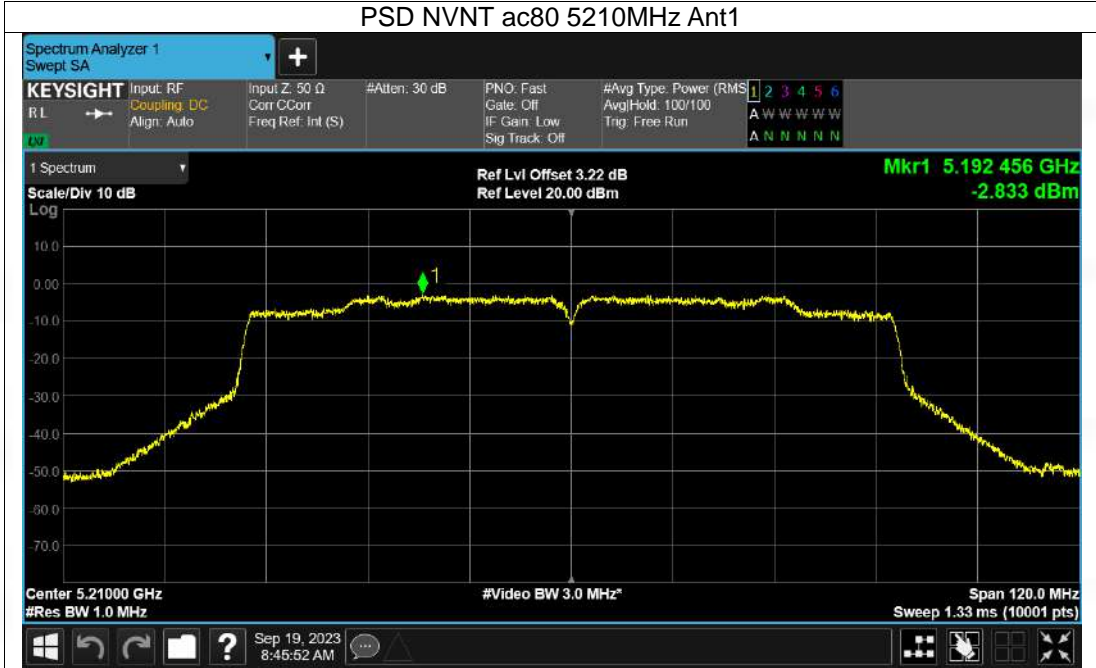
### PSD NVNT ac40 5755MHz Ant1



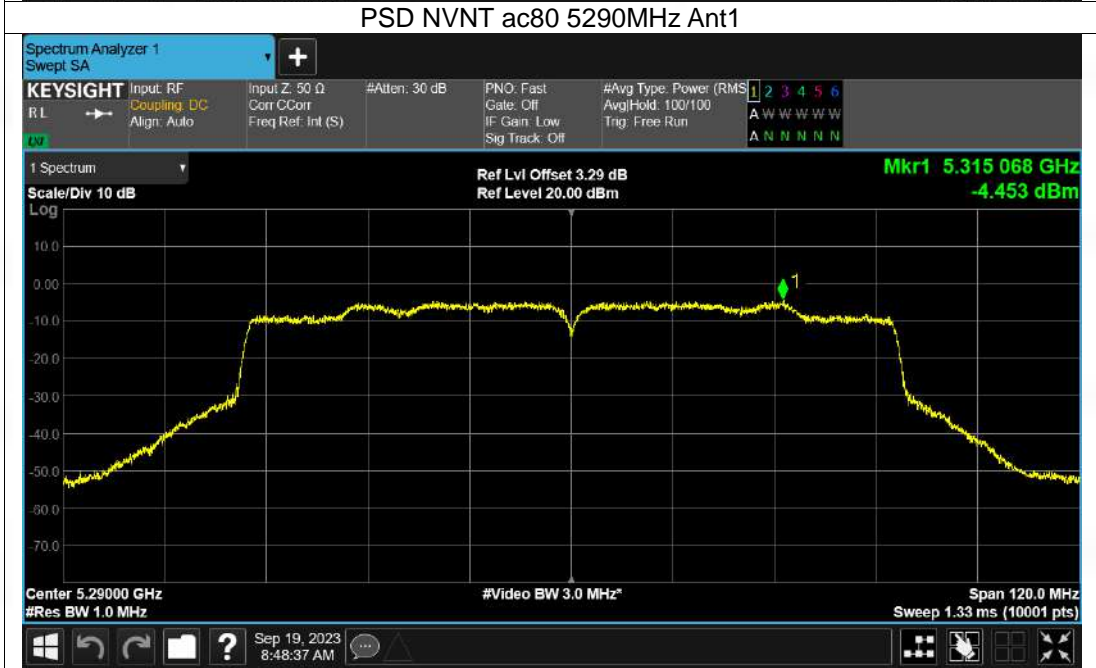
### PSD NVNT ac40 5795MHz Ant1



### PSD NVNT ac80 5210MHz Ant1

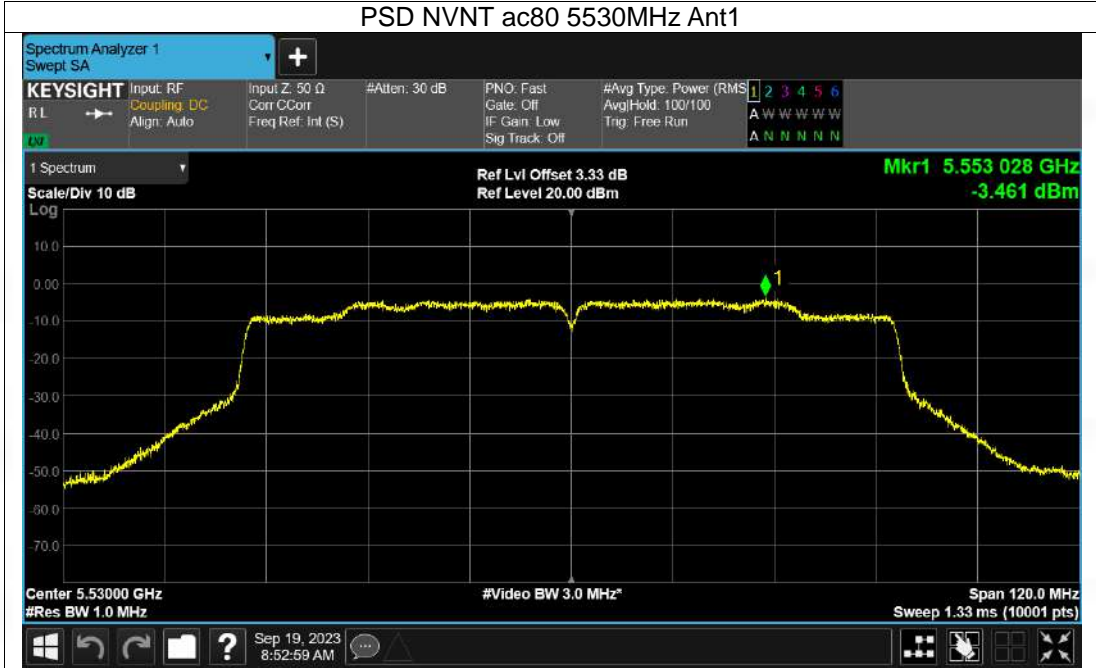


### PSD NVNT ac80 5290MHz Ant1

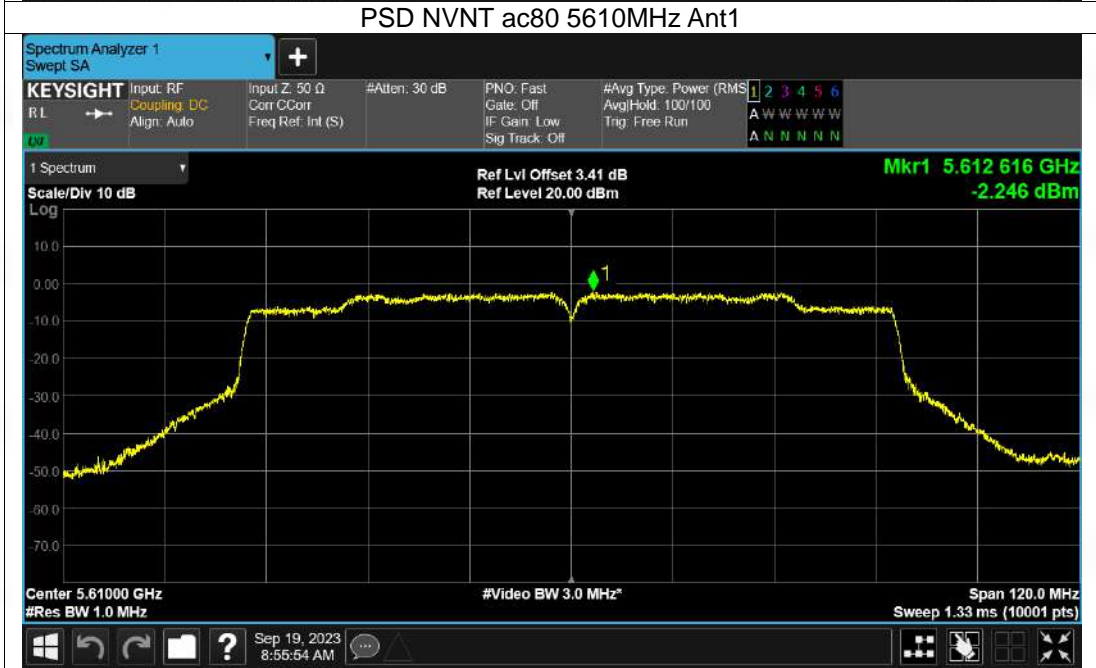




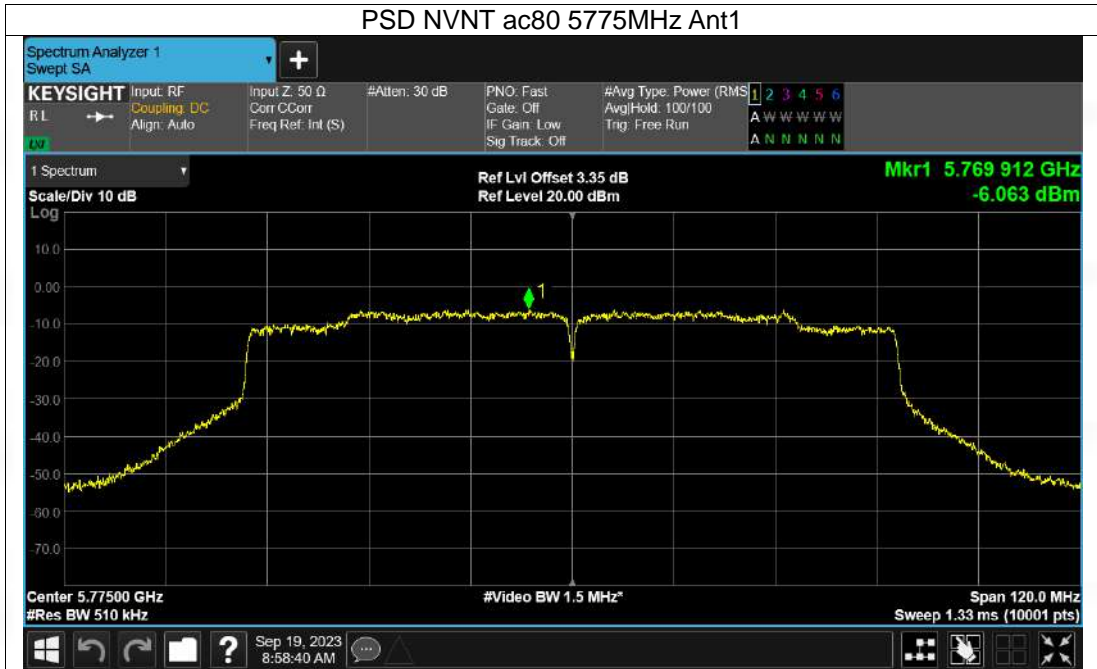
### PSD NVNT ac80 5530MHz Ant1



### PSD NVNT ac80 5610MHz Ant1

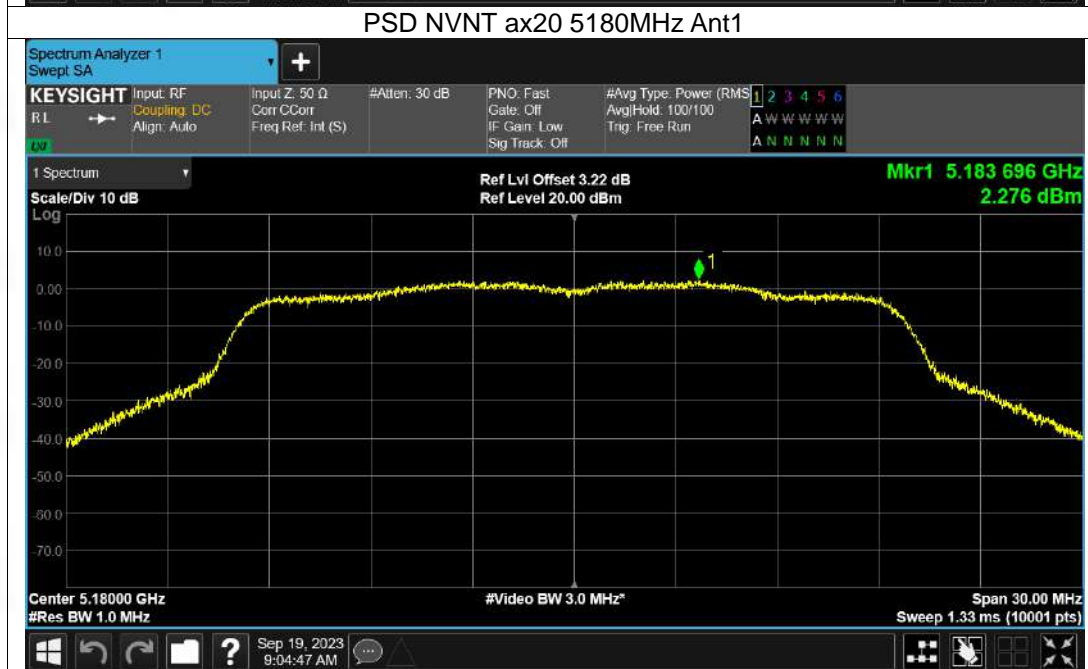
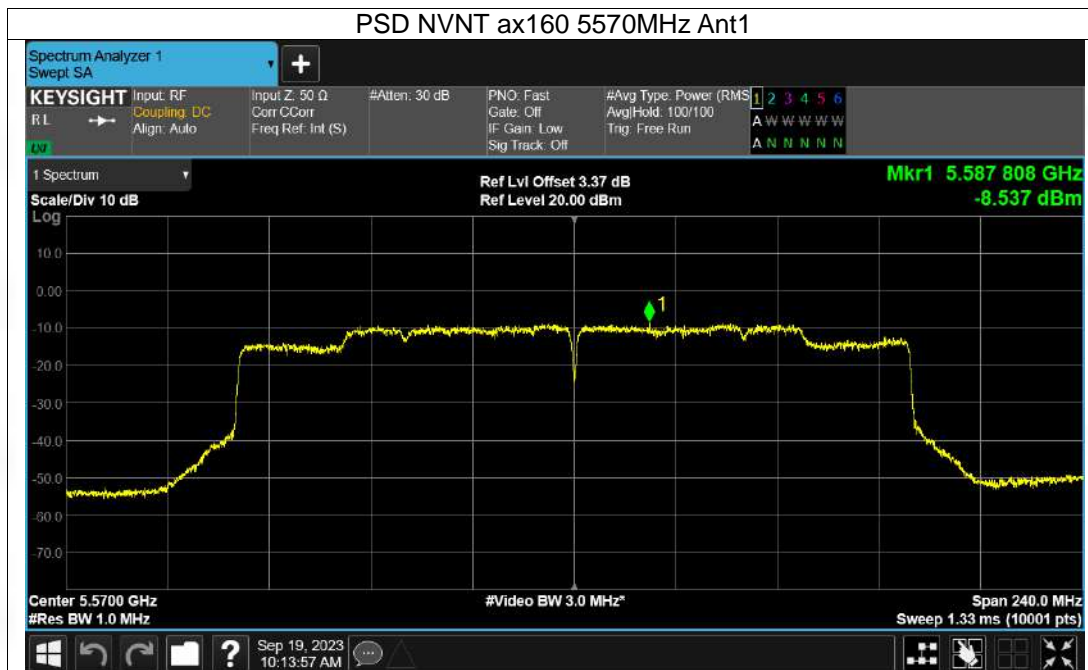


PSD NVNT ac80 5775MHz Ant1

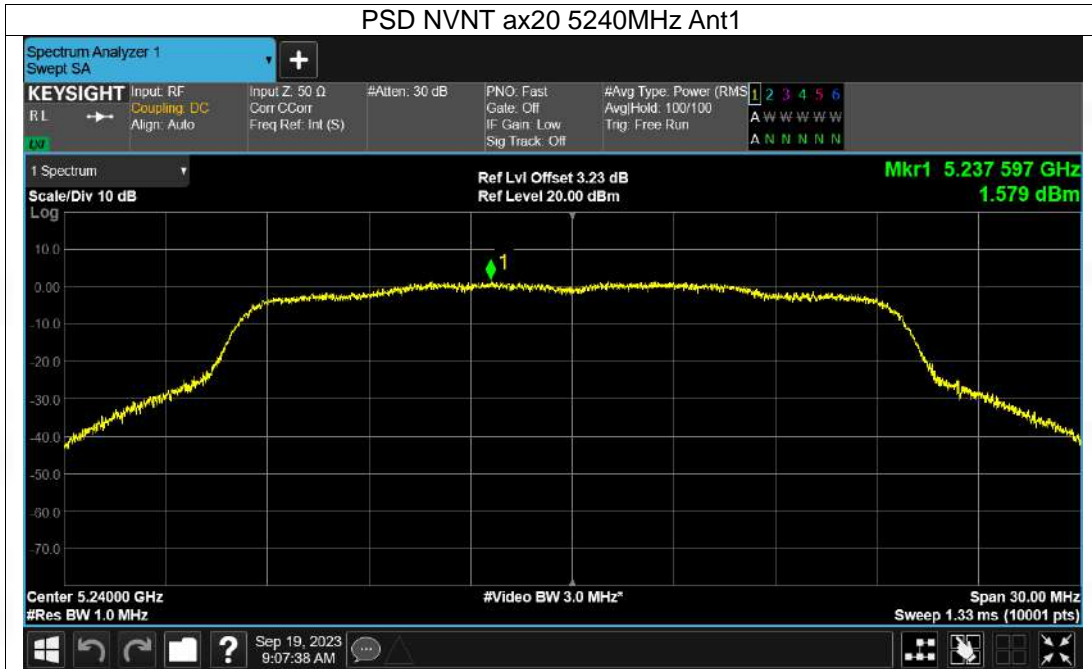


PSD NVNT ax160 5250MHz Ant1

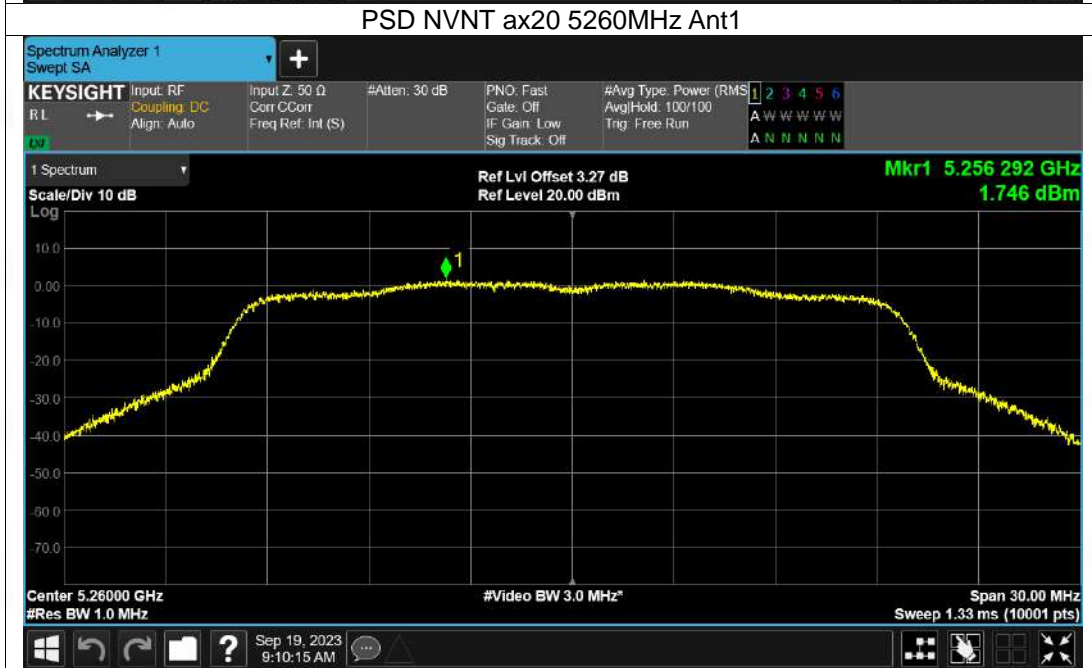




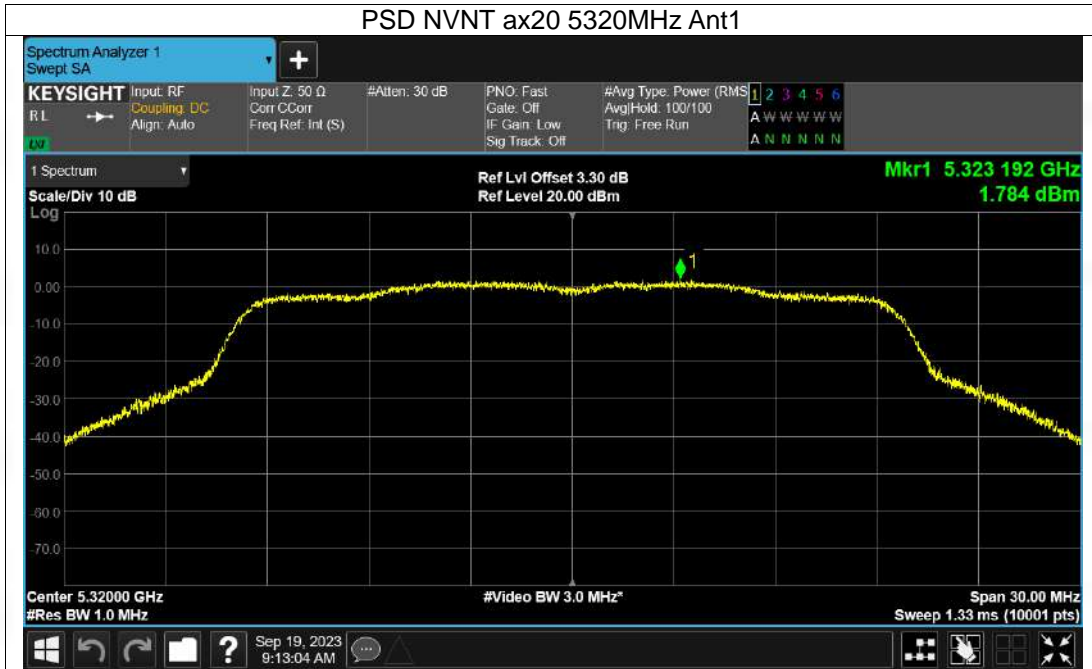
### PSD NVNT ax20 5240MHz Ant1



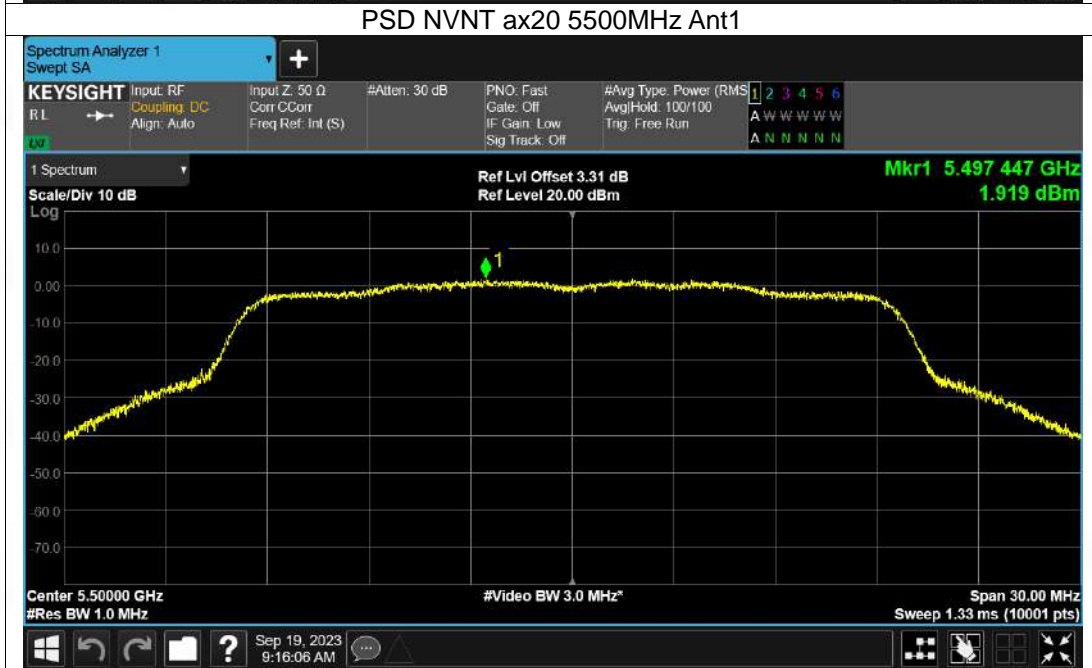
### PSD NVNT ax20 5260MHz Ant1



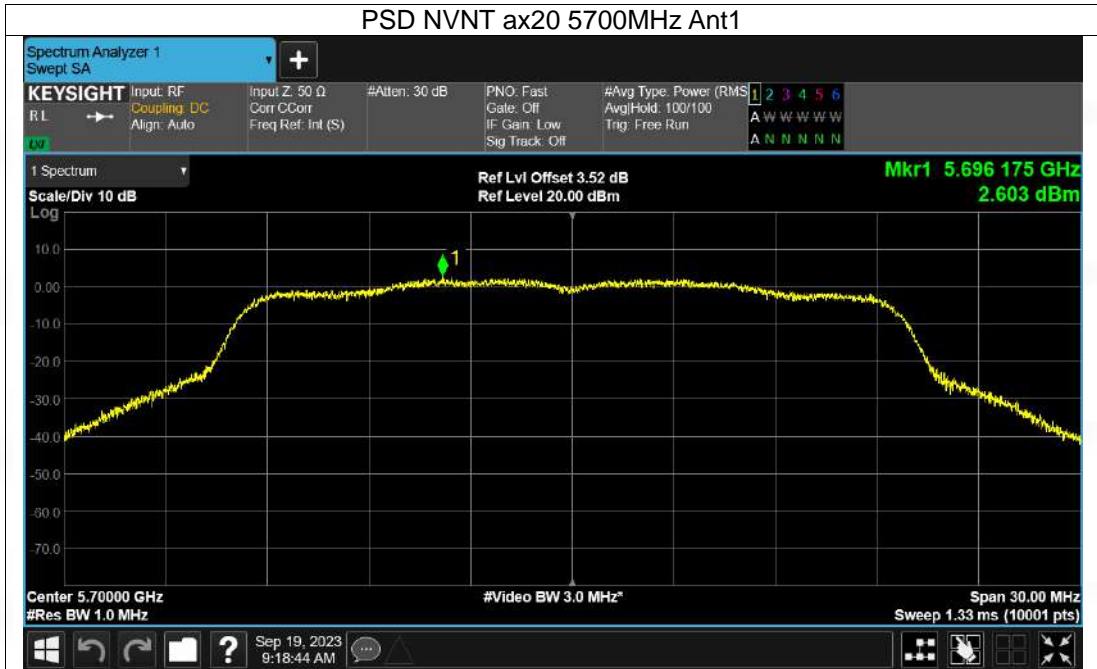
### PSD NVNT ax20 5320MHz Ant1



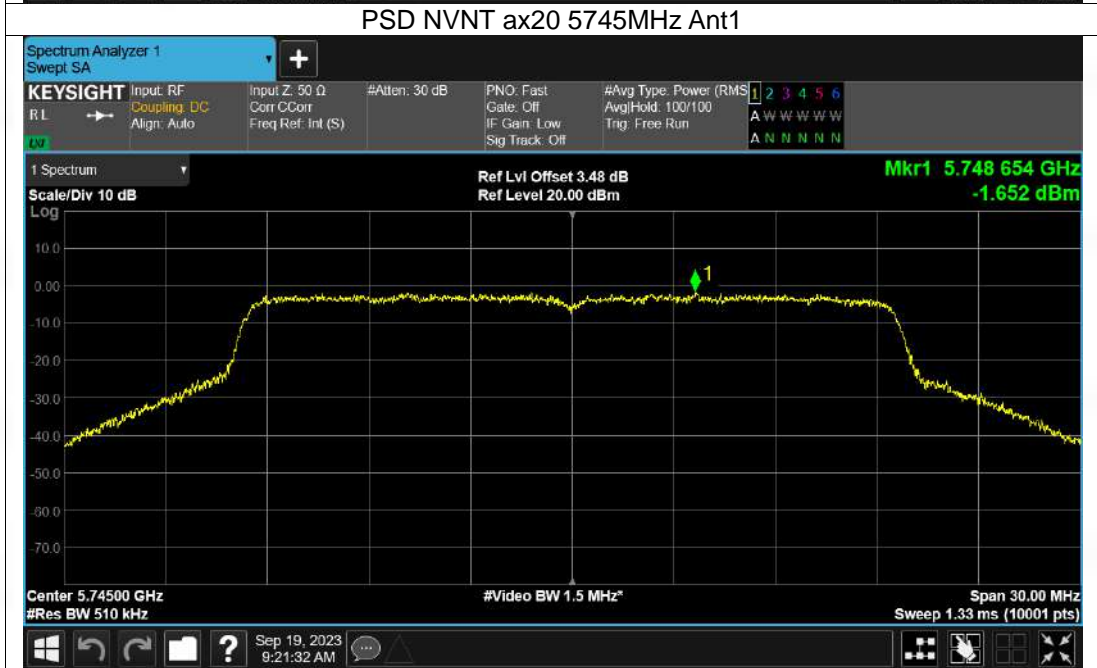
### PSD NVNT ax20 5500MHz Ant1



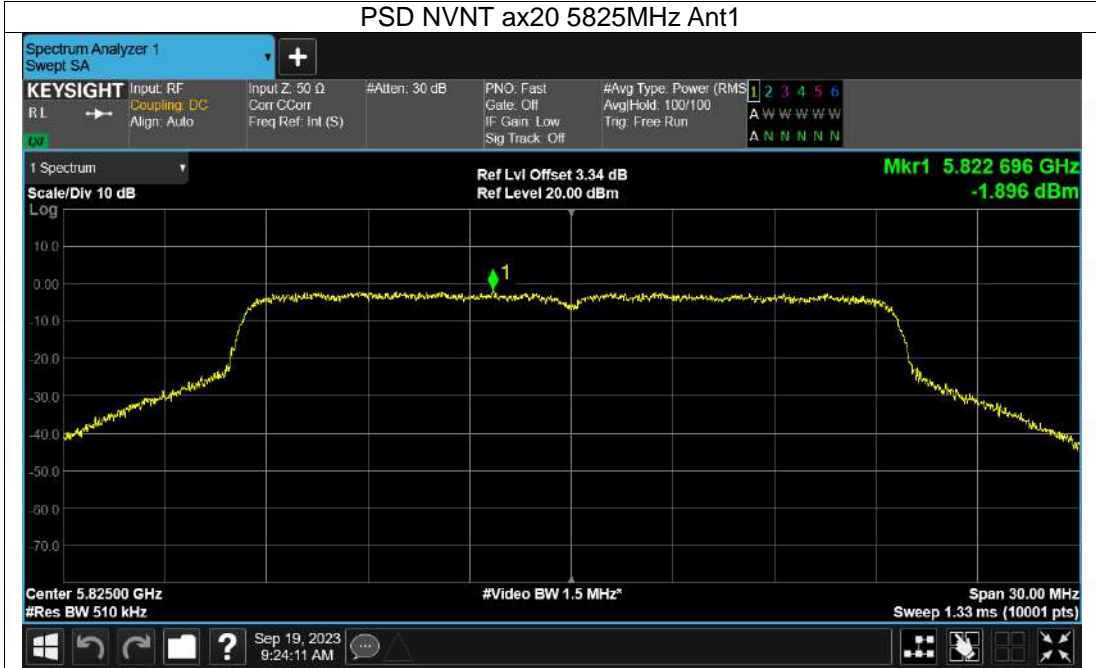
### PSD NVNT ax20 5700MHz Ant1



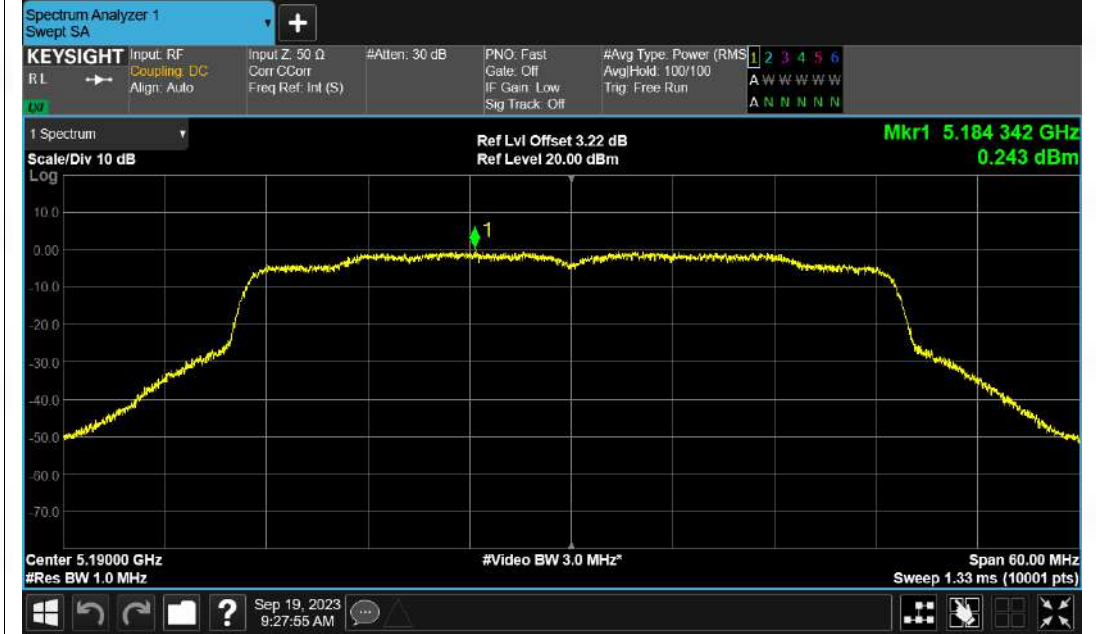
### PSD NVNT ax20 5745MHz Ant1



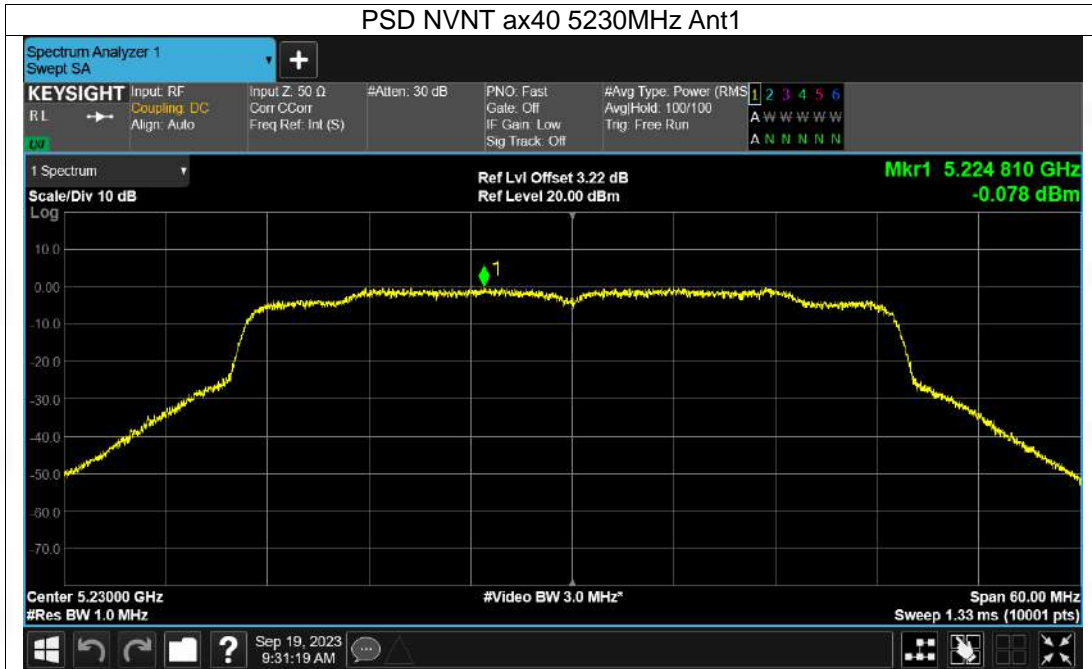
PSD NVNT ax20 5825MHz Ant1



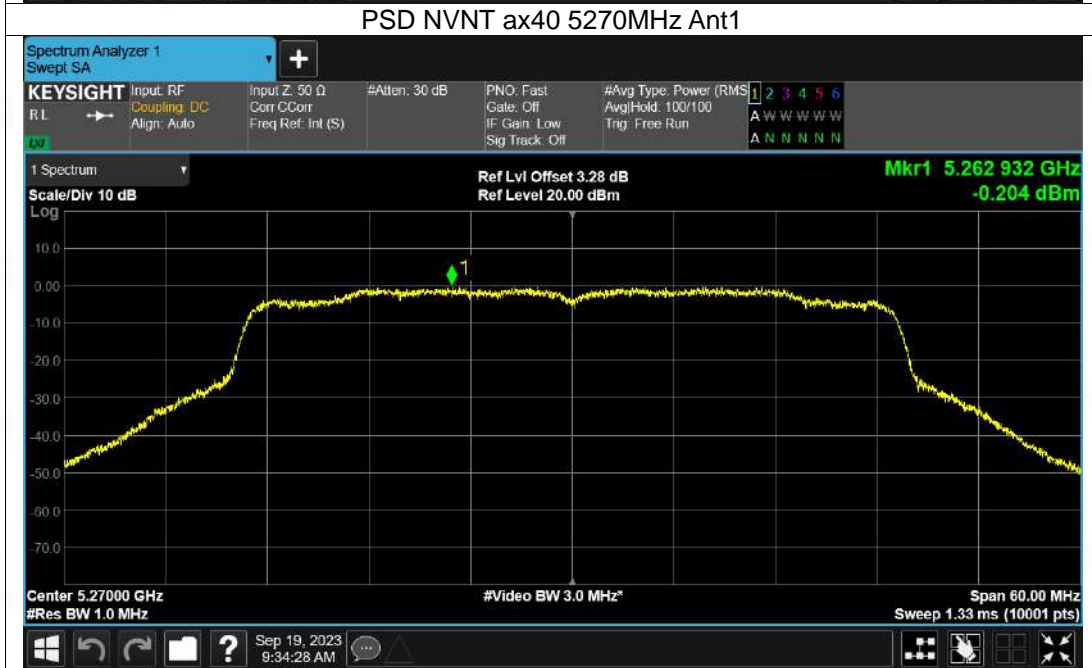
PSD NVNT ax40 5190MHz Ant1



### PSD NVNT ax40 5230MHz Ant1

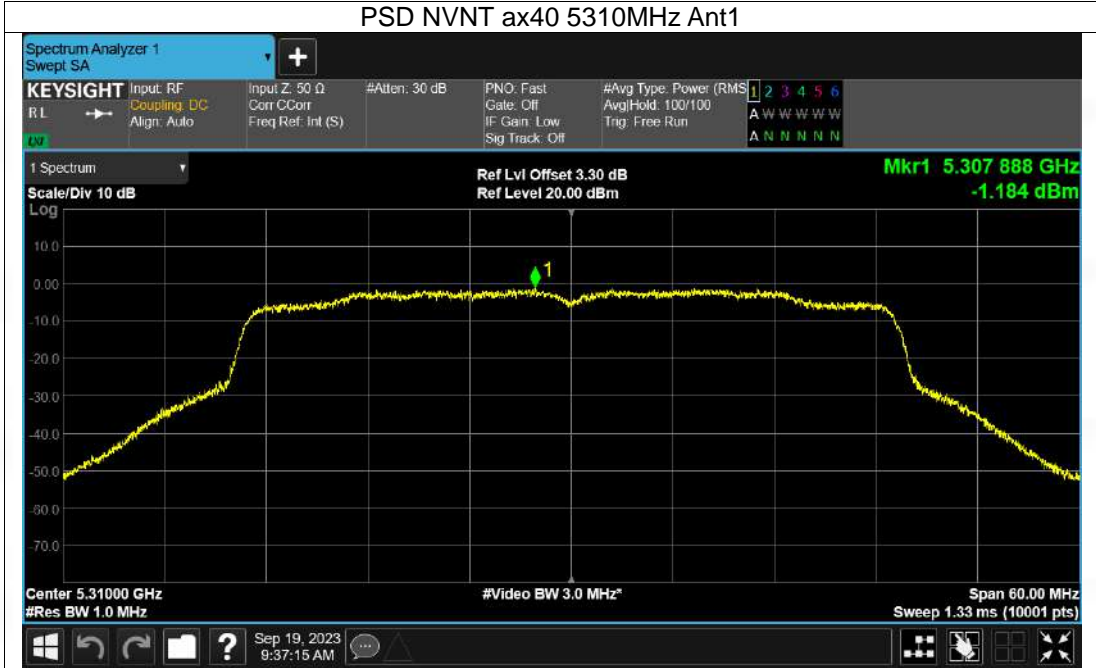


### PSD NVNT ax40 5270MHz Ant1





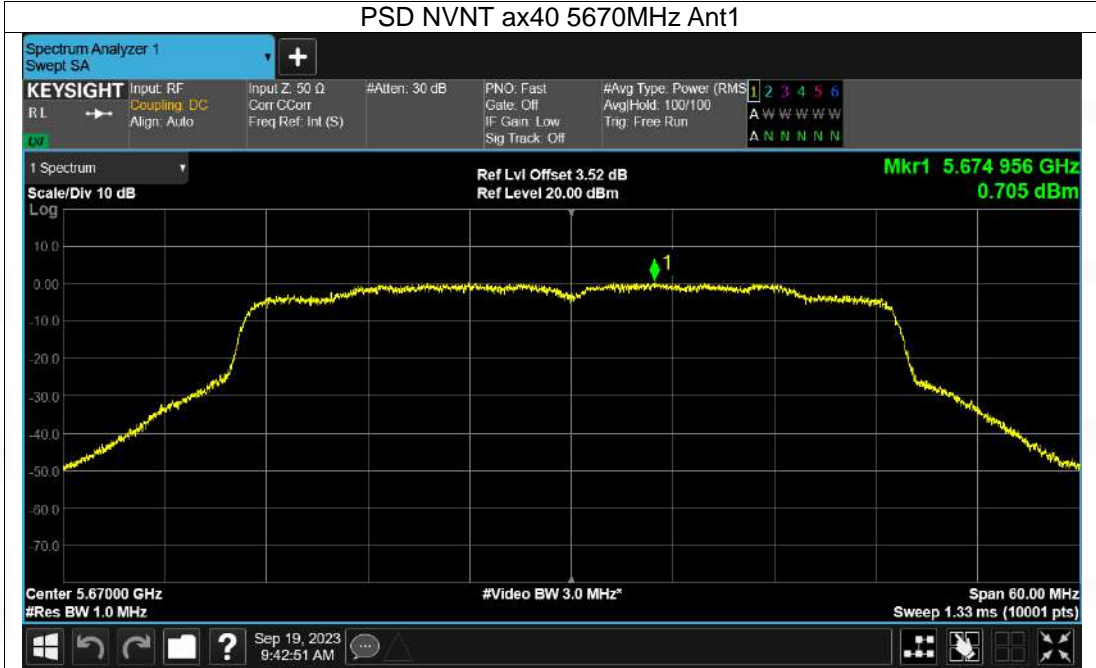
PSD NVNT ax40 5310MHz Ant1



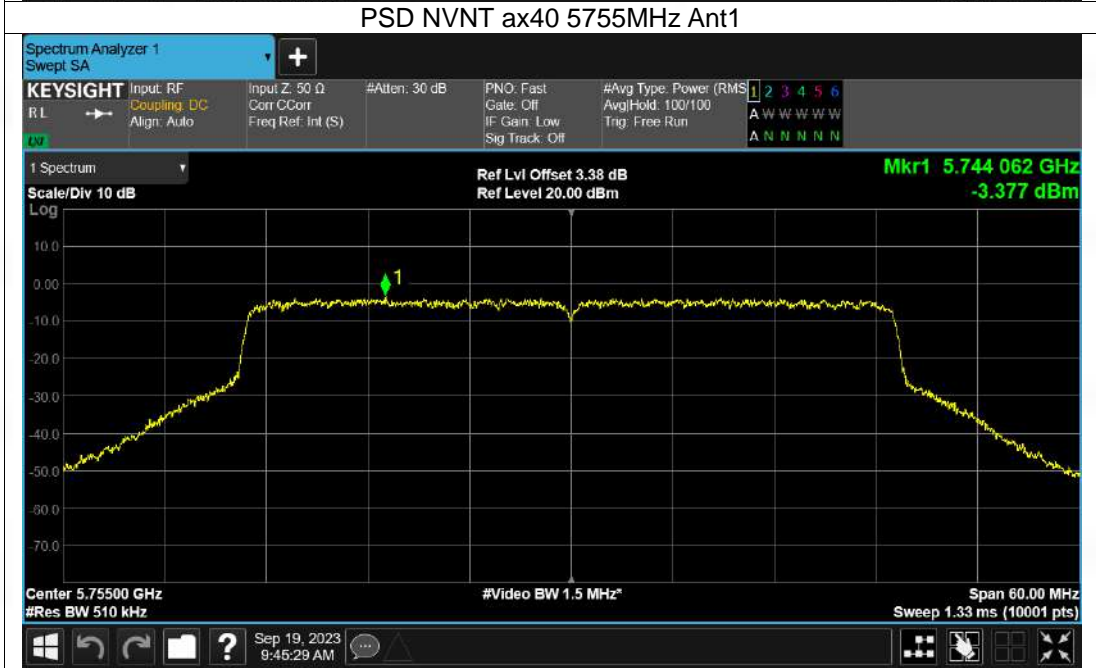
PSD NVNT ax40 5510MHz Ant1



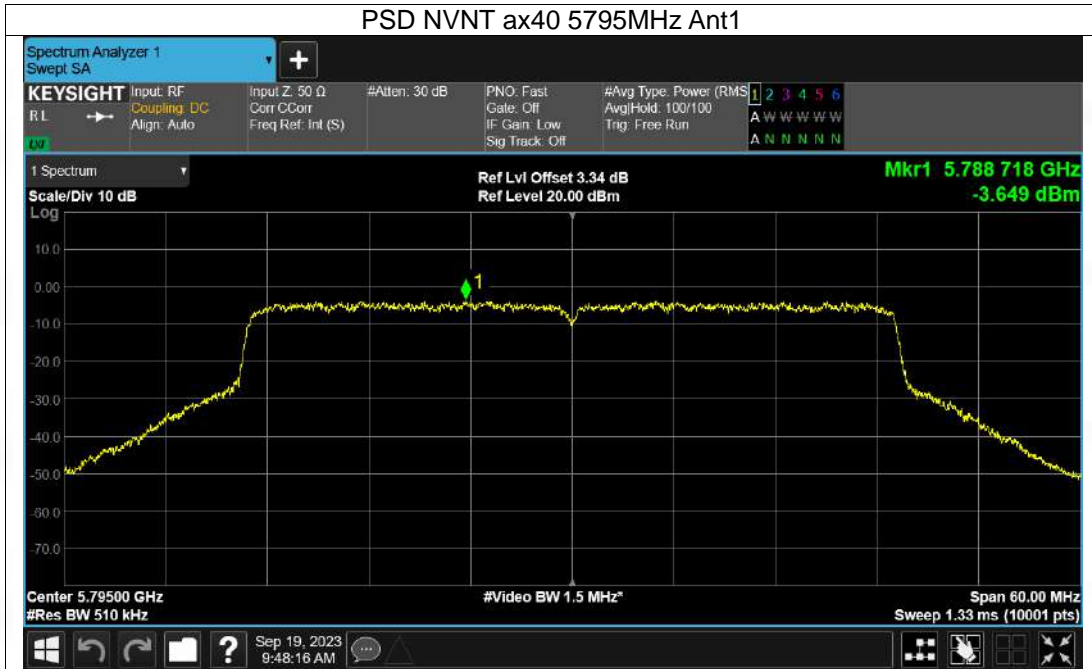
### PSD NVNT ax40 5670MHz Ant1



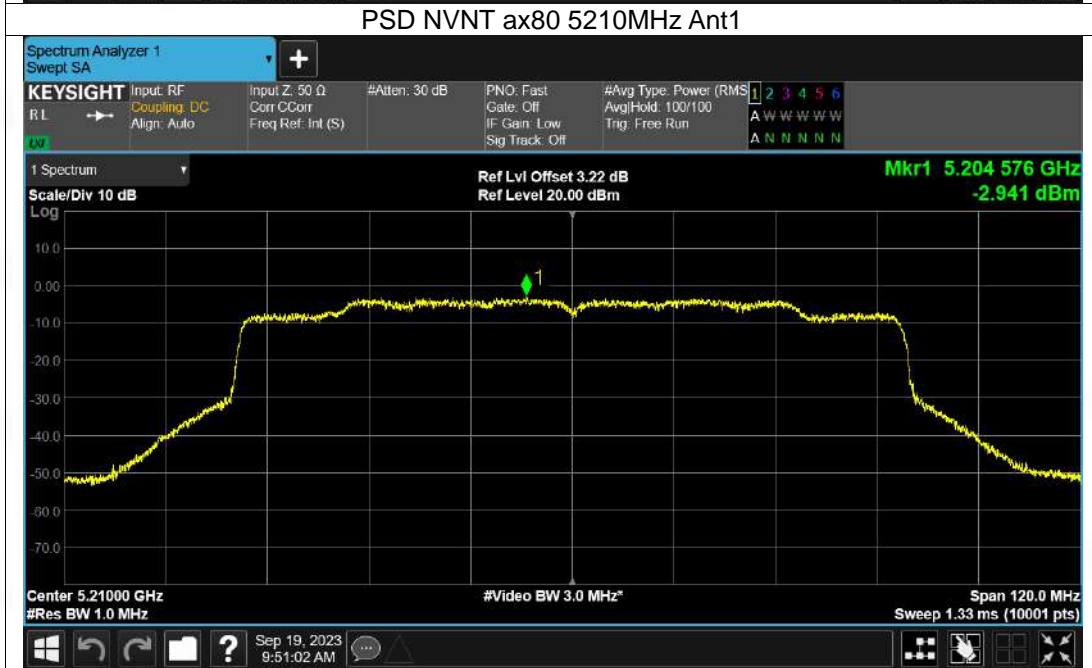
### PSD NVNT ax40 5755MHz Ant1



### PSD NVNT ax40 5795MHz Ant1



### PSD NVNT ax80 5210MHz Ant1



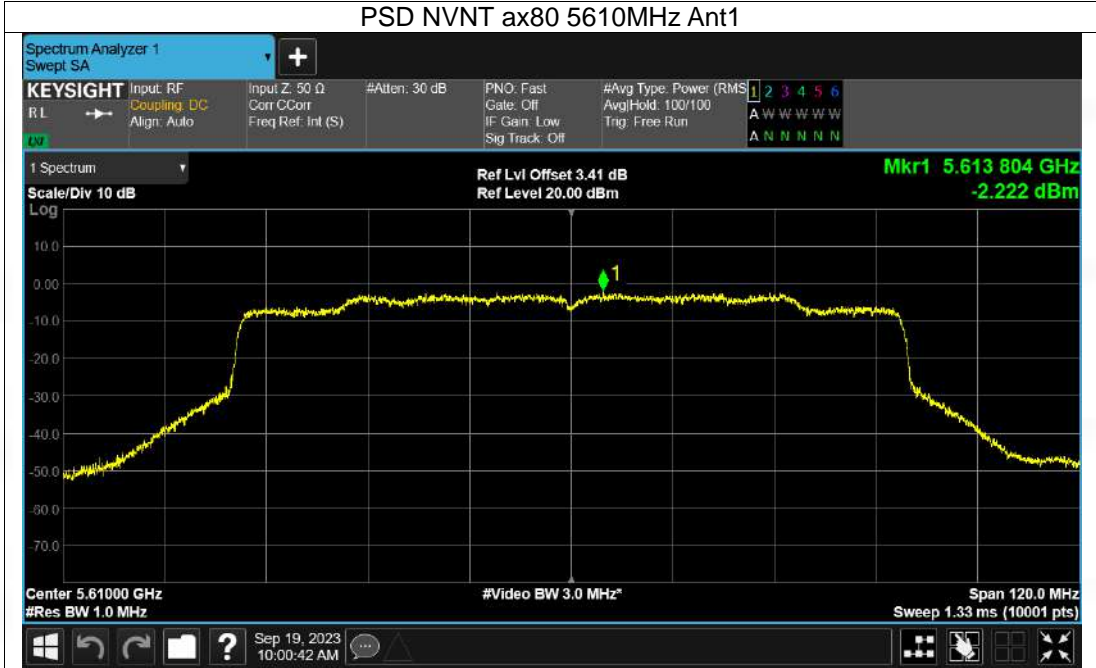
### PSD NVNT ax80 5290MHz Ant1



### PSD NVNT ax80 5530MHz Ant1



PSD NVNT ax80 5610MHz Ant1



PSD NVNT ax80 5775MHz Ant1



### Test Graphs

#### PSD NVNT a 5180MHz Ant2



#### PSD NVNT a 5240MHz Ant2

