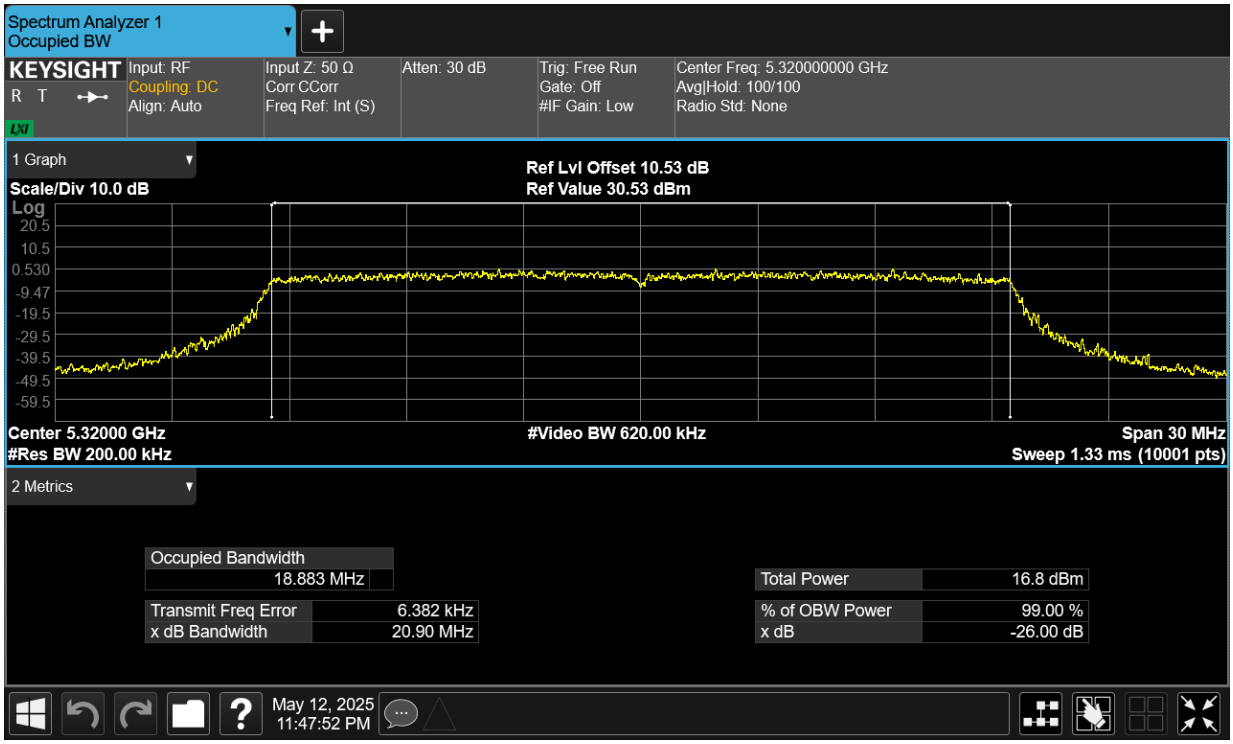
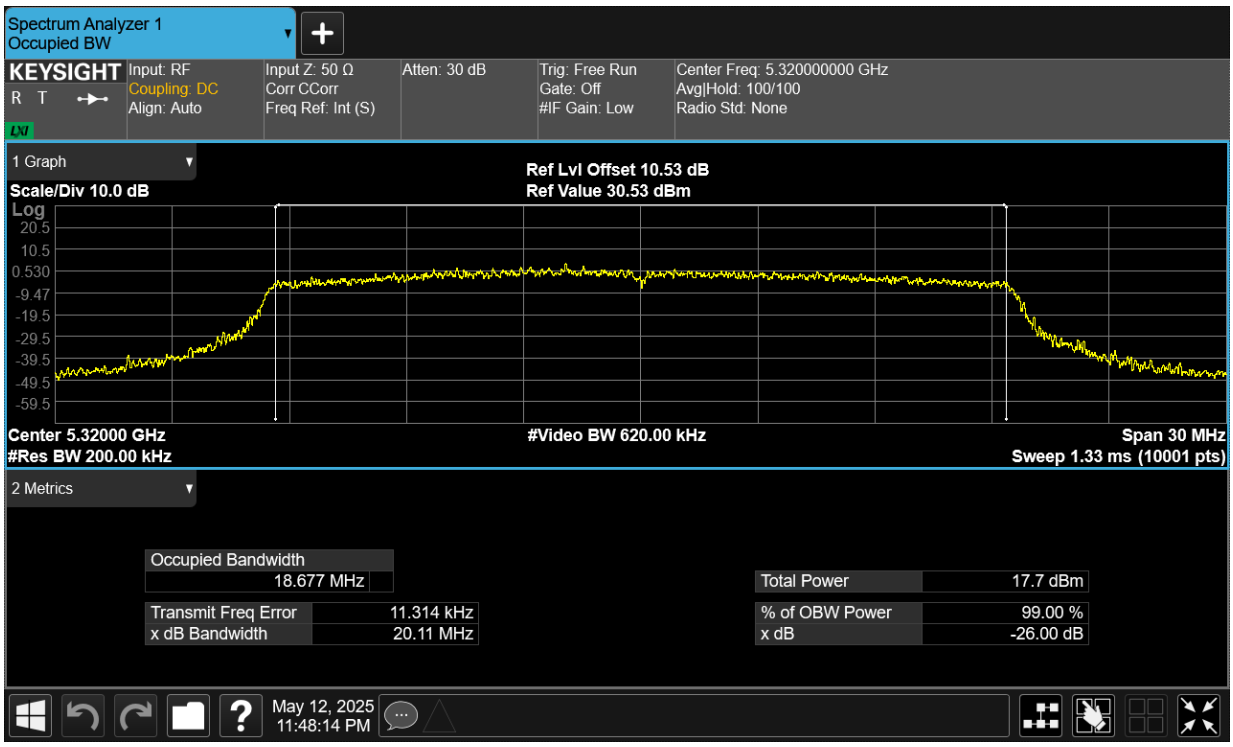
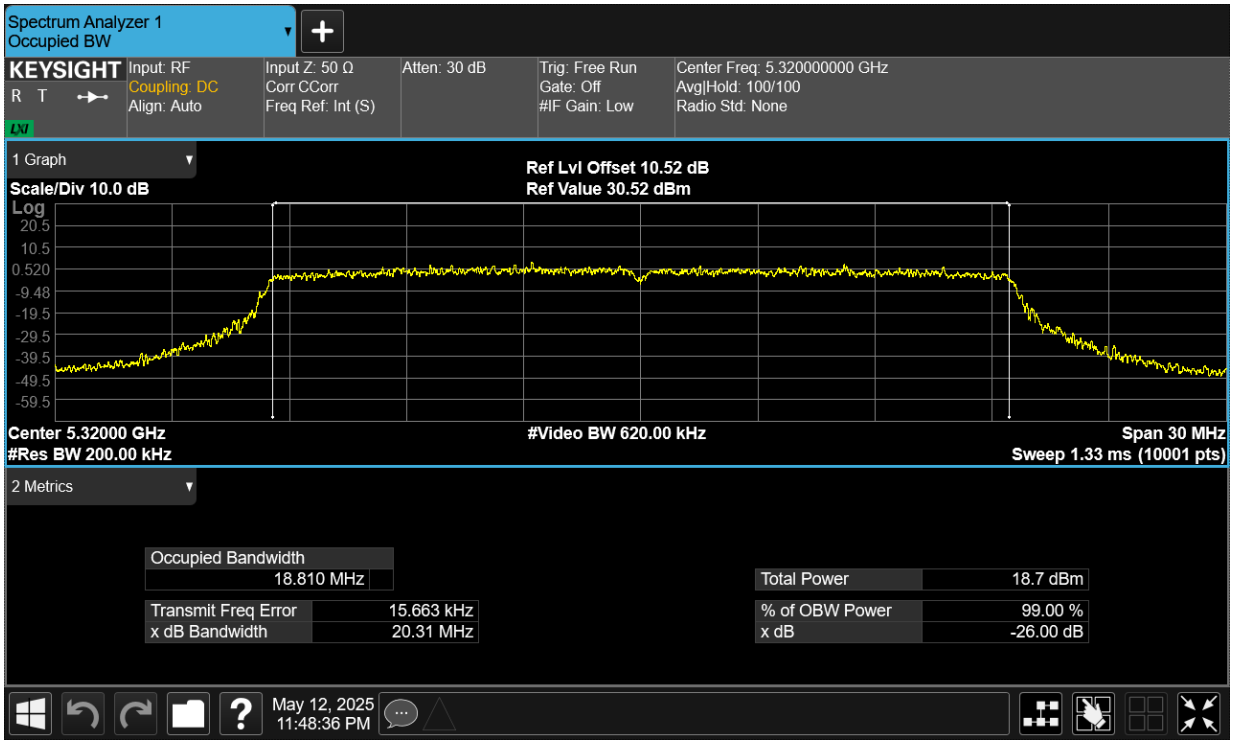


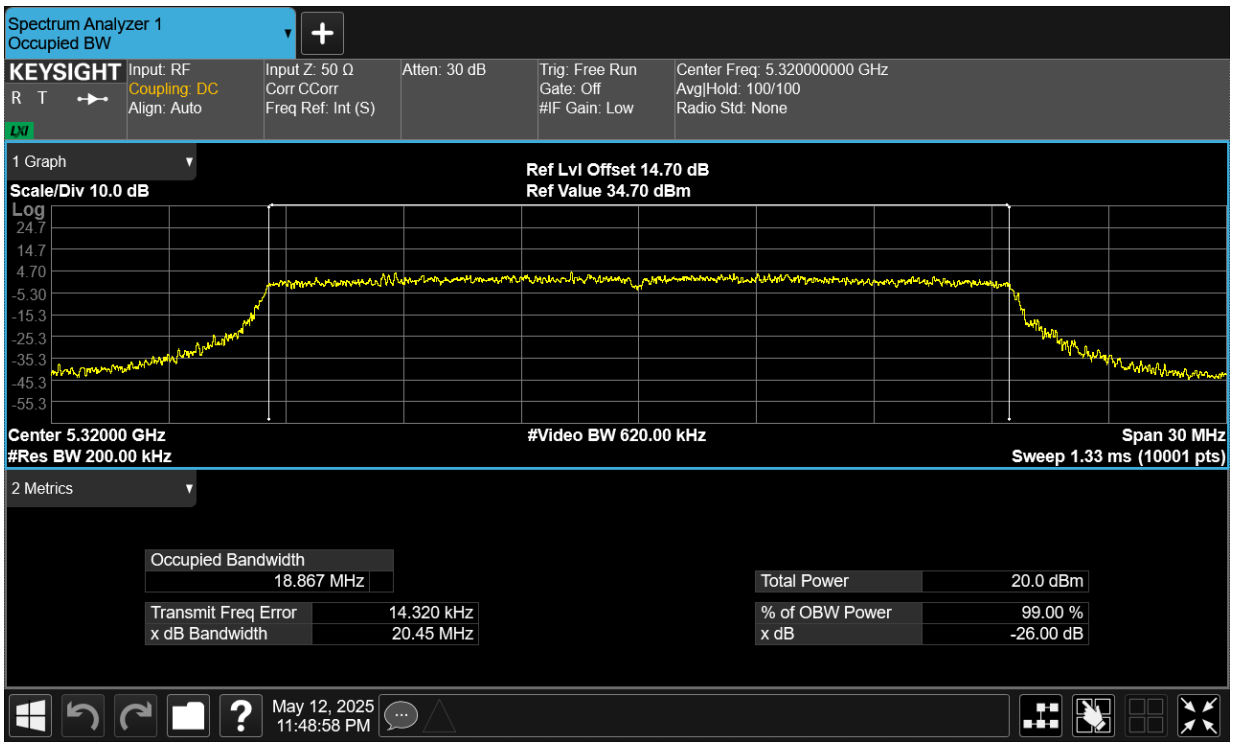
OBW NVNT ax20 5320MHz Ant2



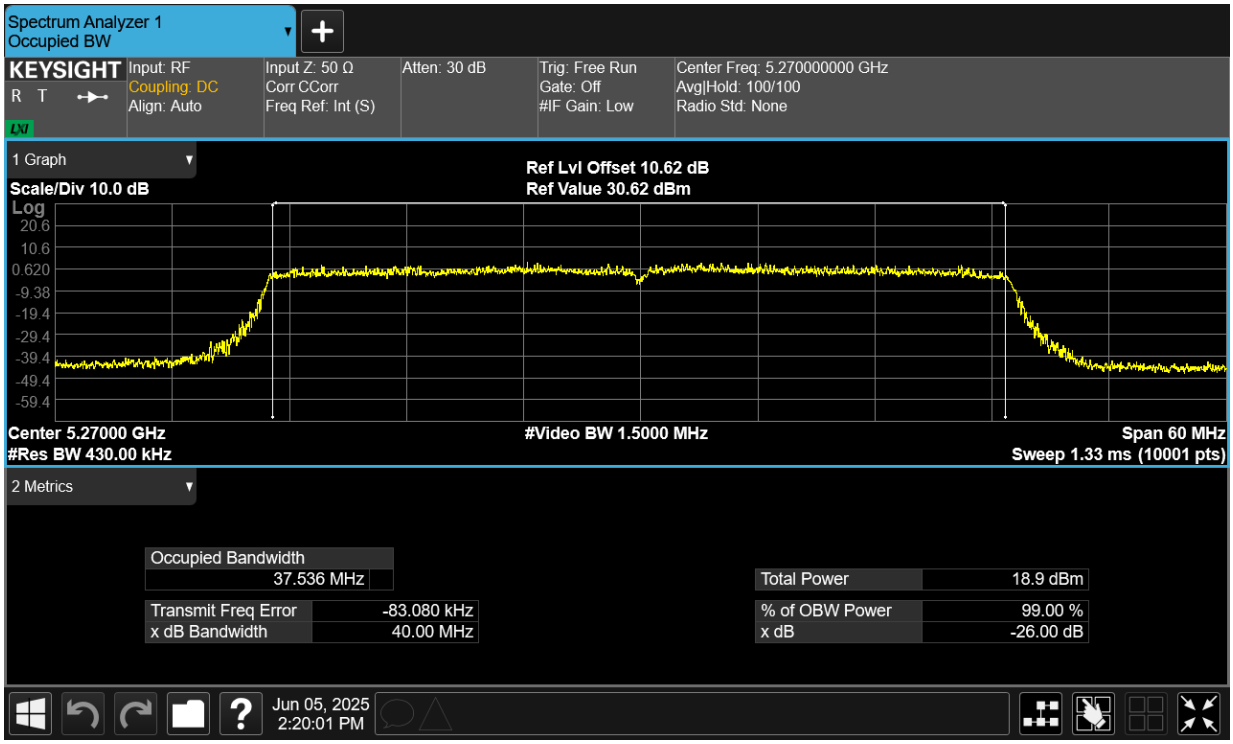
OBW NVNT ax20 5320MHz Ant3



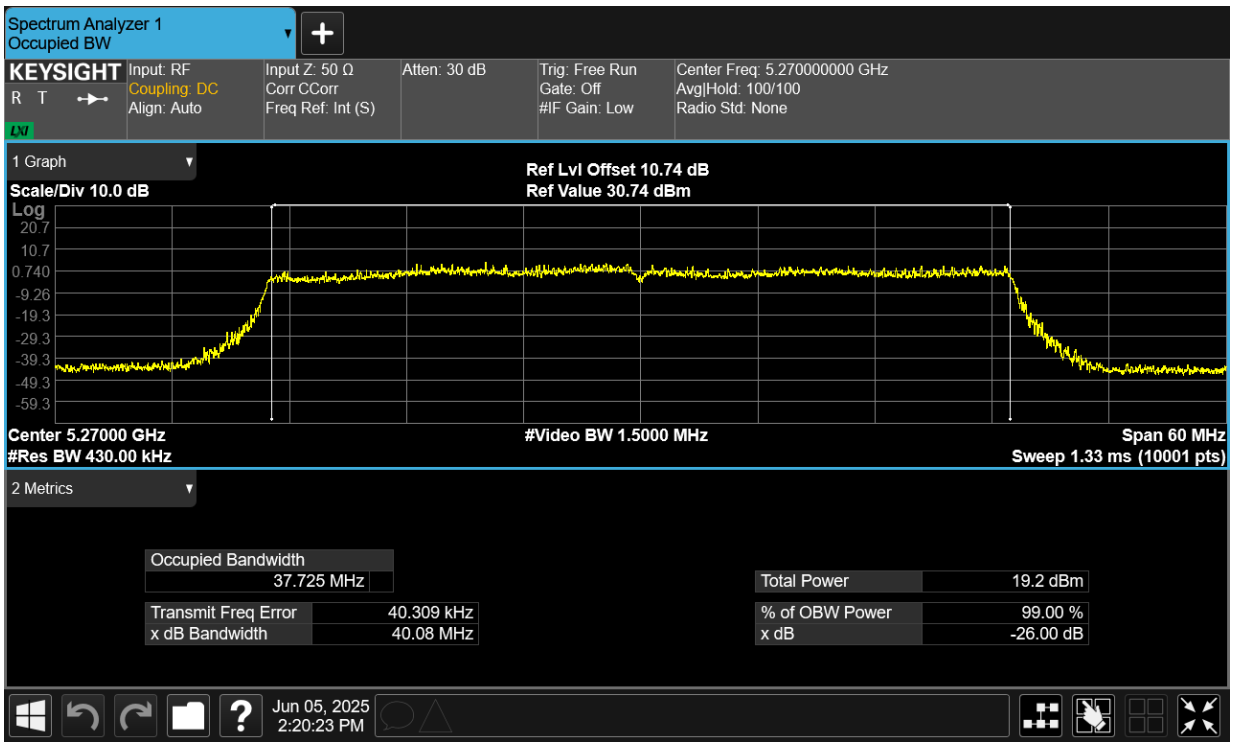
OBW NVNT ax20 5320MHz Ant4



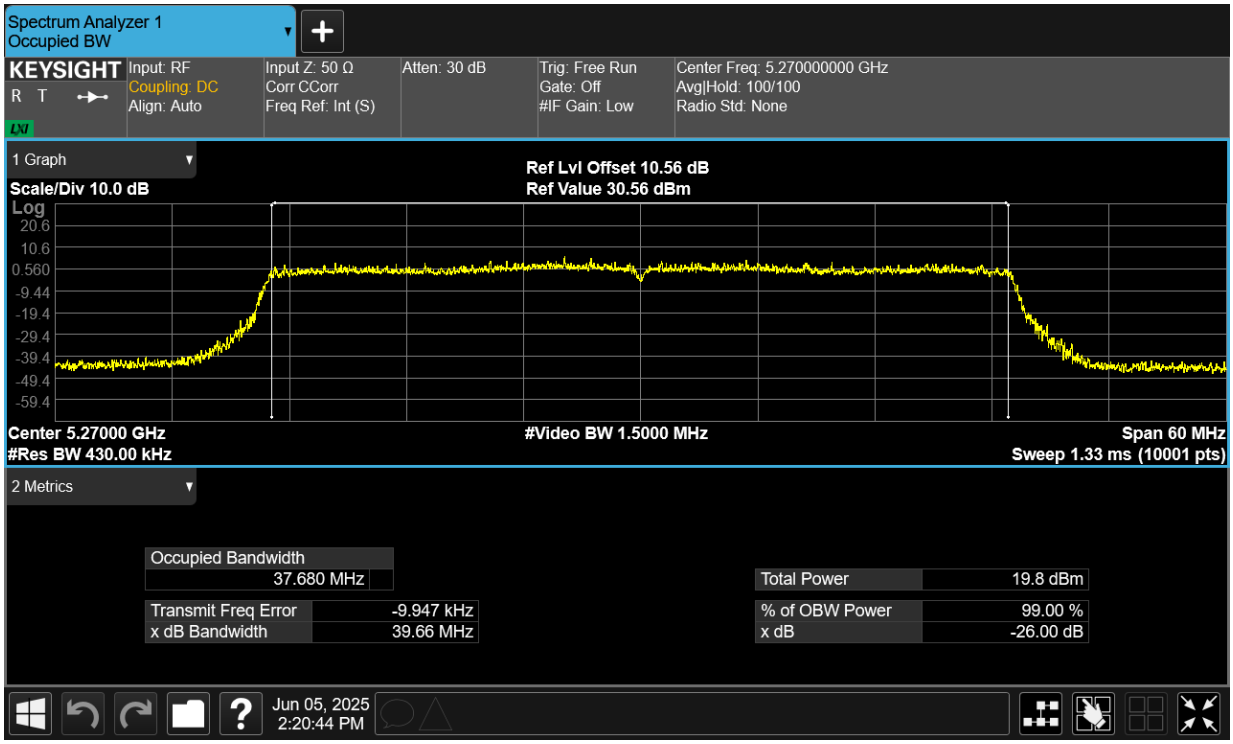
OBW NVNT ax40 5270MHz Ant1



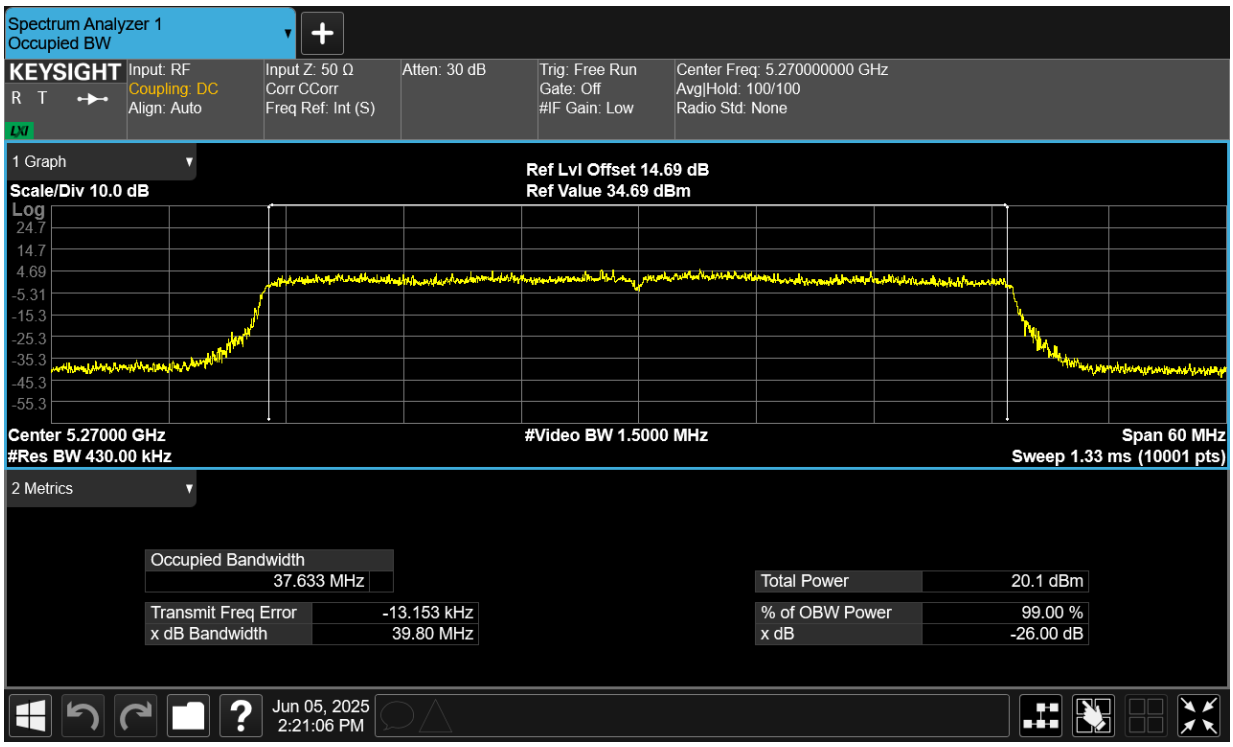
OBW NVNT ax40 5270MHz Ant2



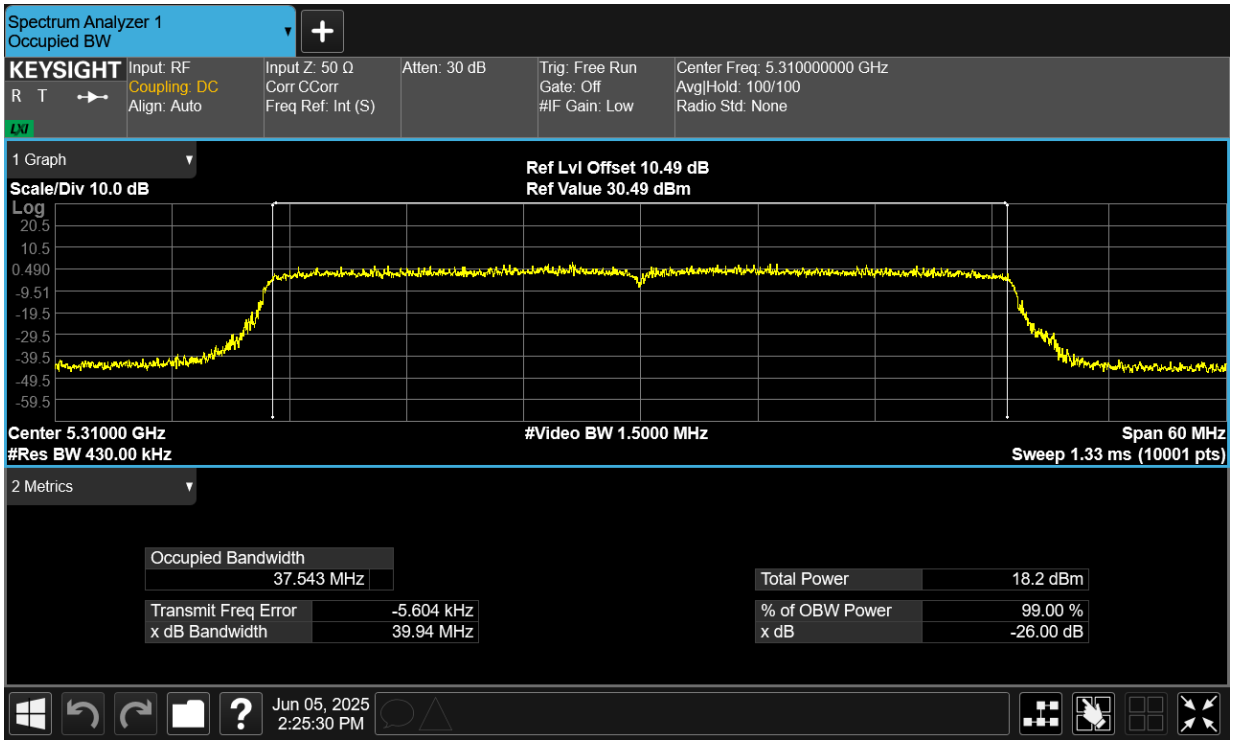
OBW NVNT ax40 5270MHz Ant3



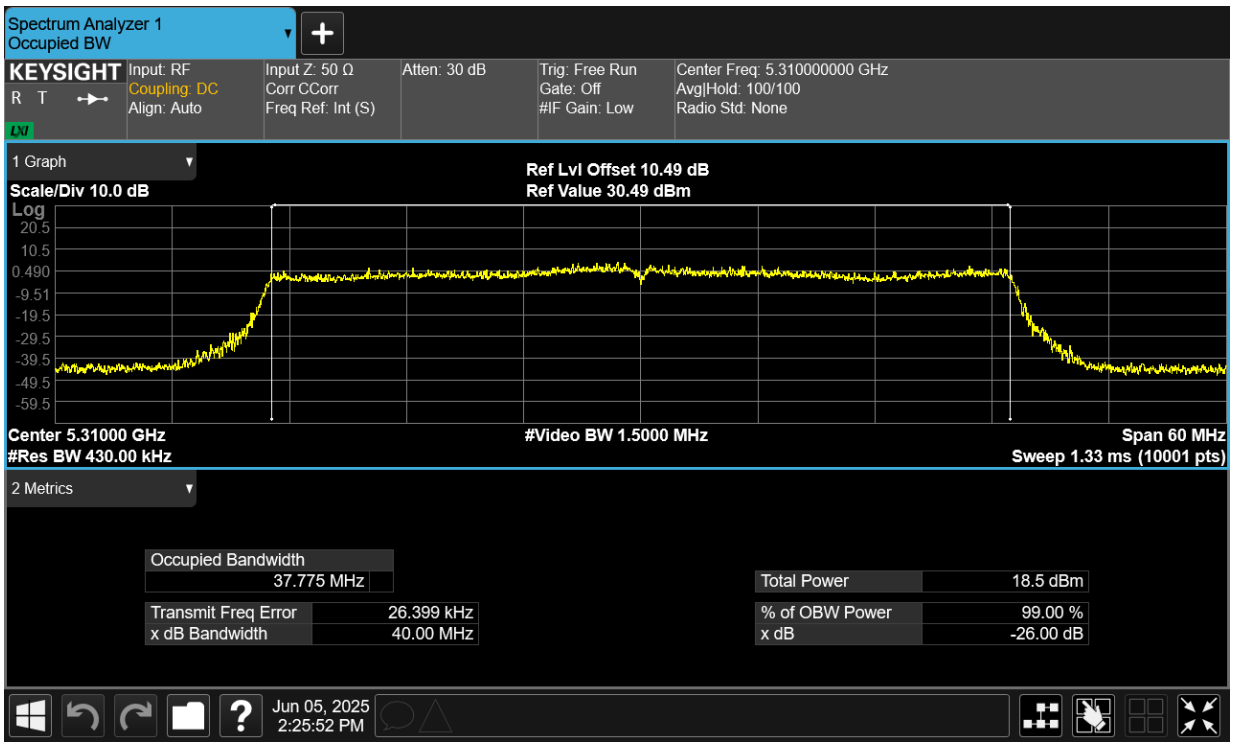
OBW NVNT ax40 5270MHz Ant4



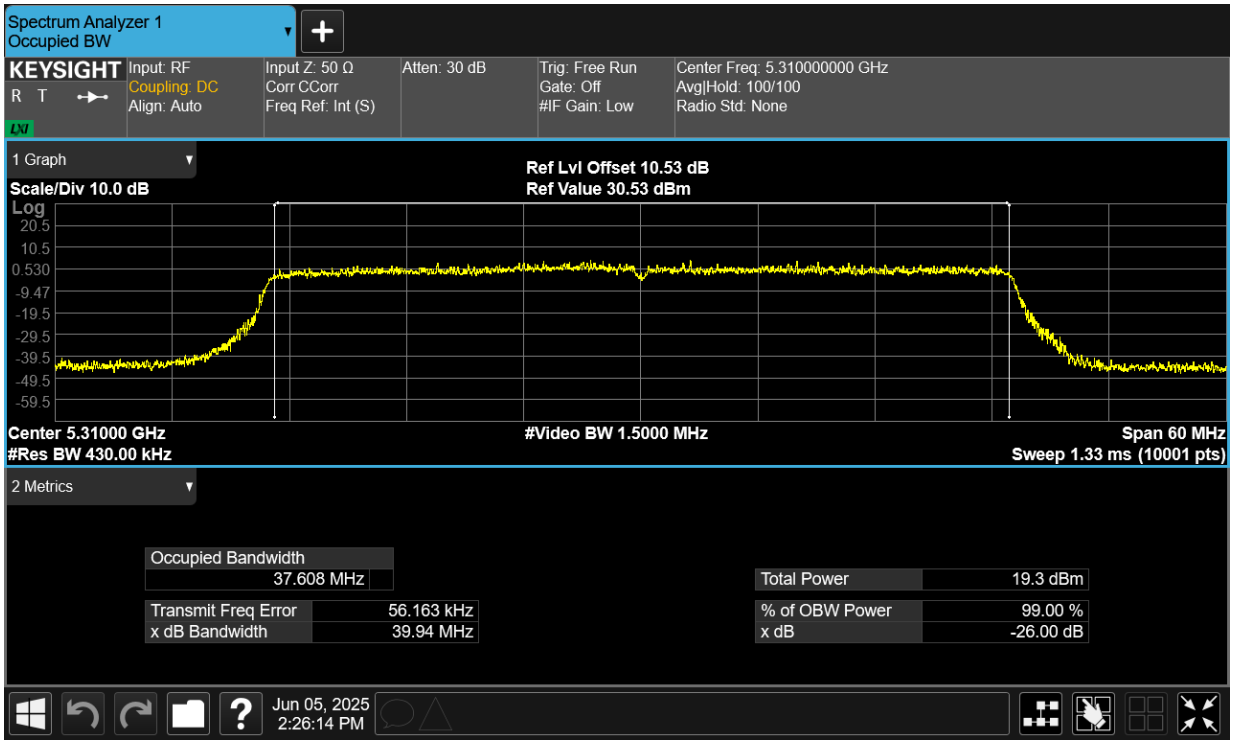
OBW NVNT ax40 5310MHz Ant1



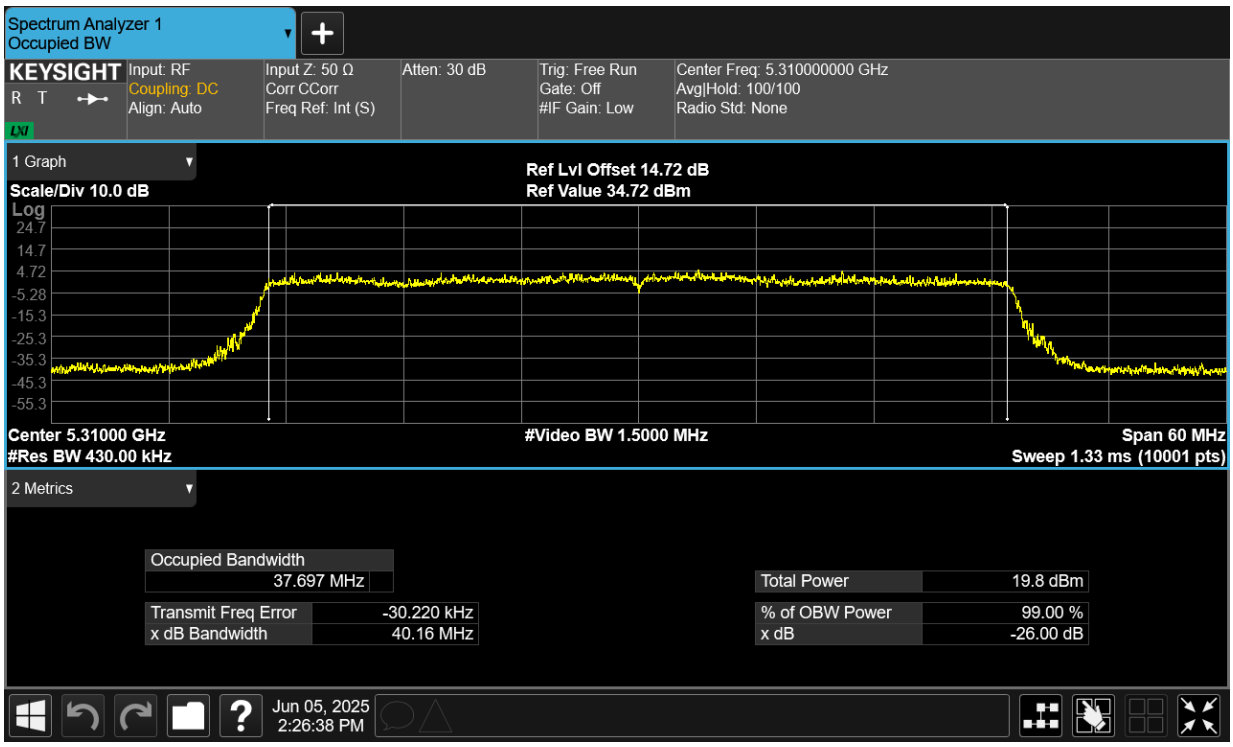
OBW NVNT ax40 5310MHz Ant2



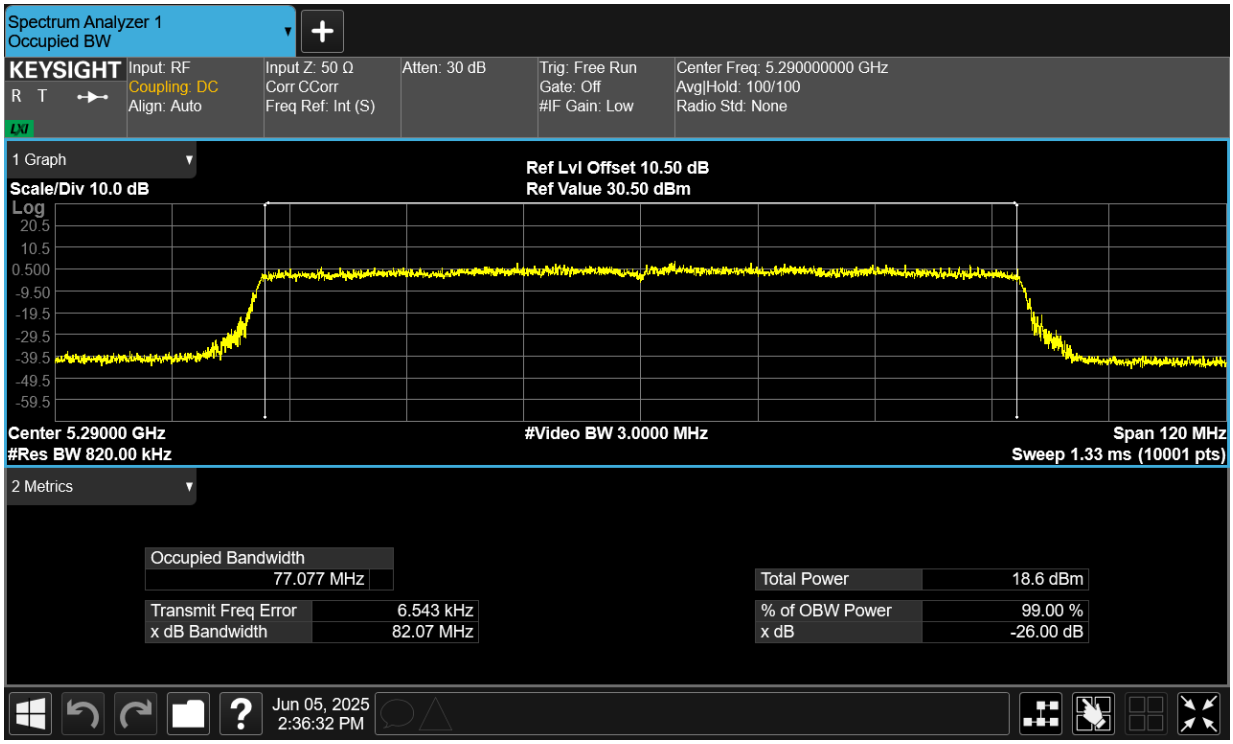
OBW NVNT ax40 5310MHz Ant3



OBW NVNT ax40 5310MHz Ant4



OBW NVNT ax80 5290MHz Ant1



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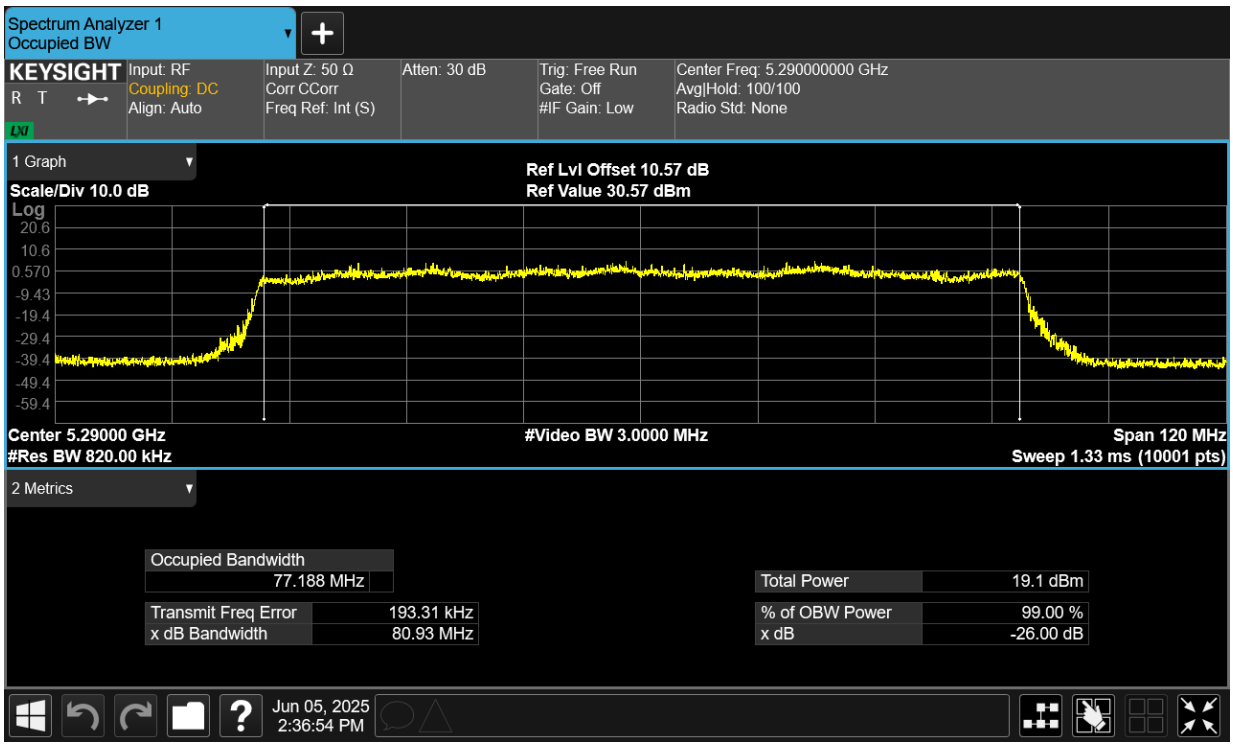

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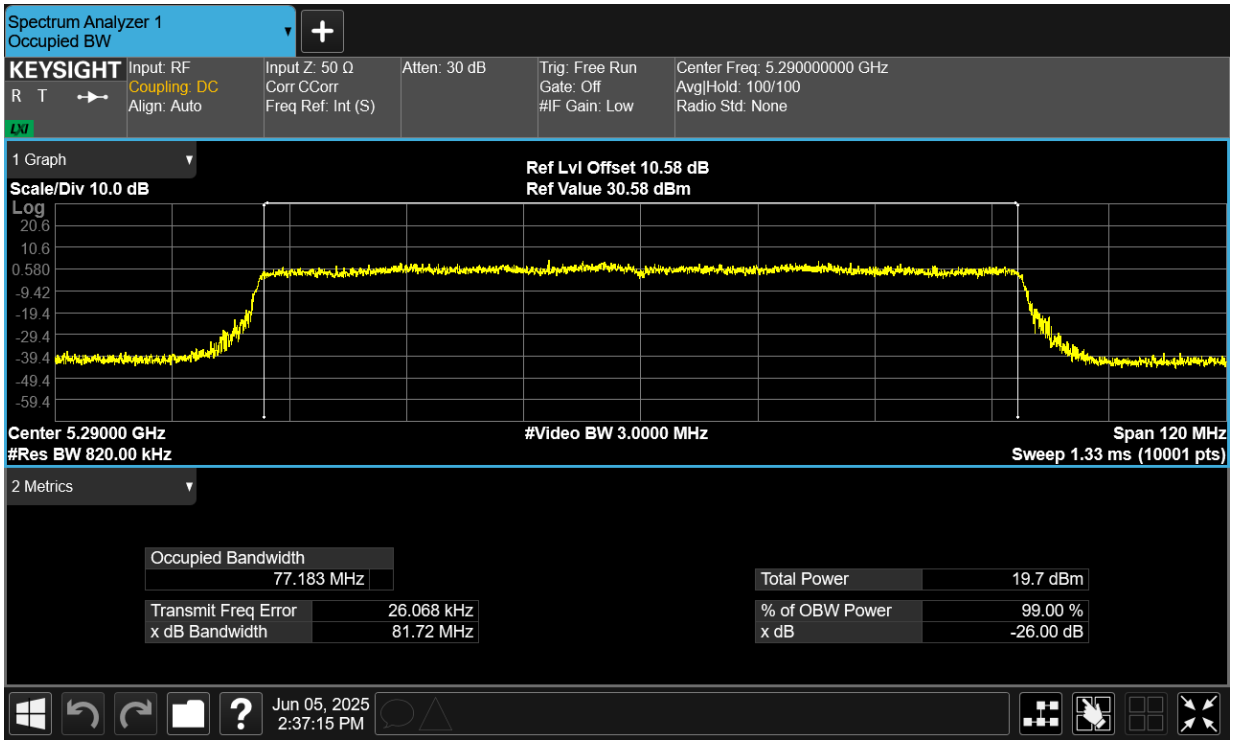
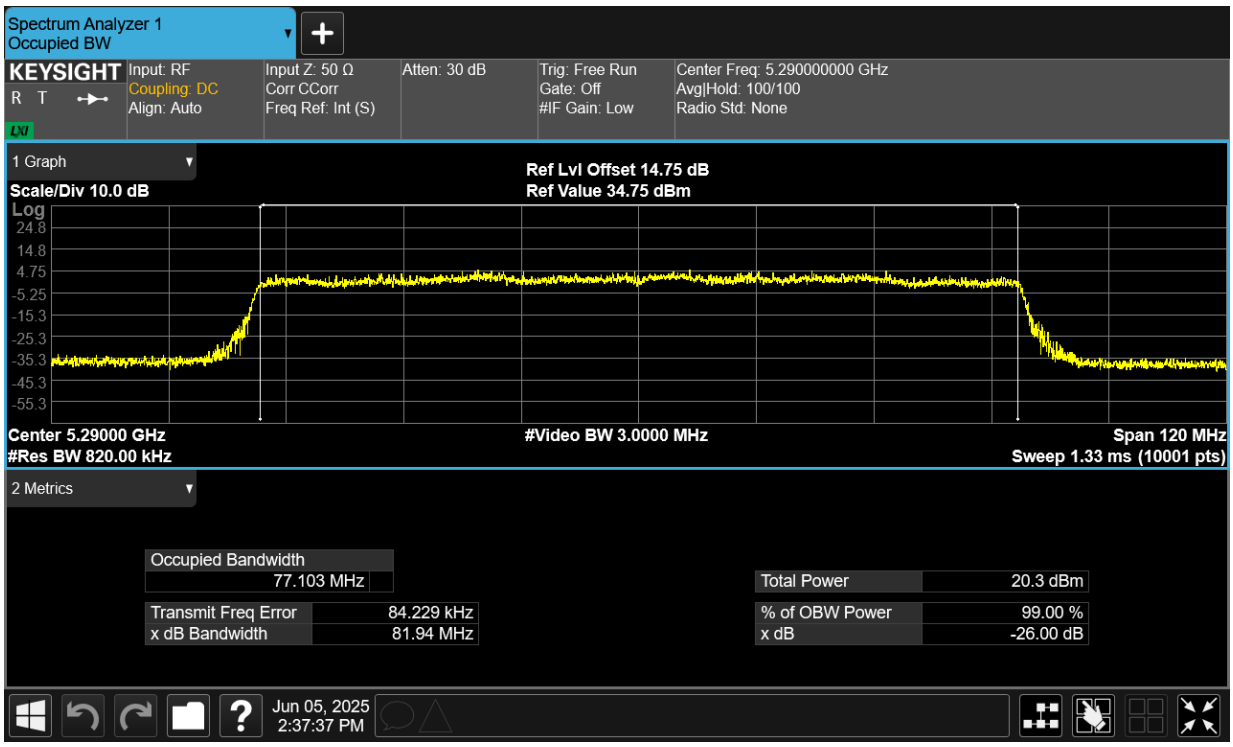
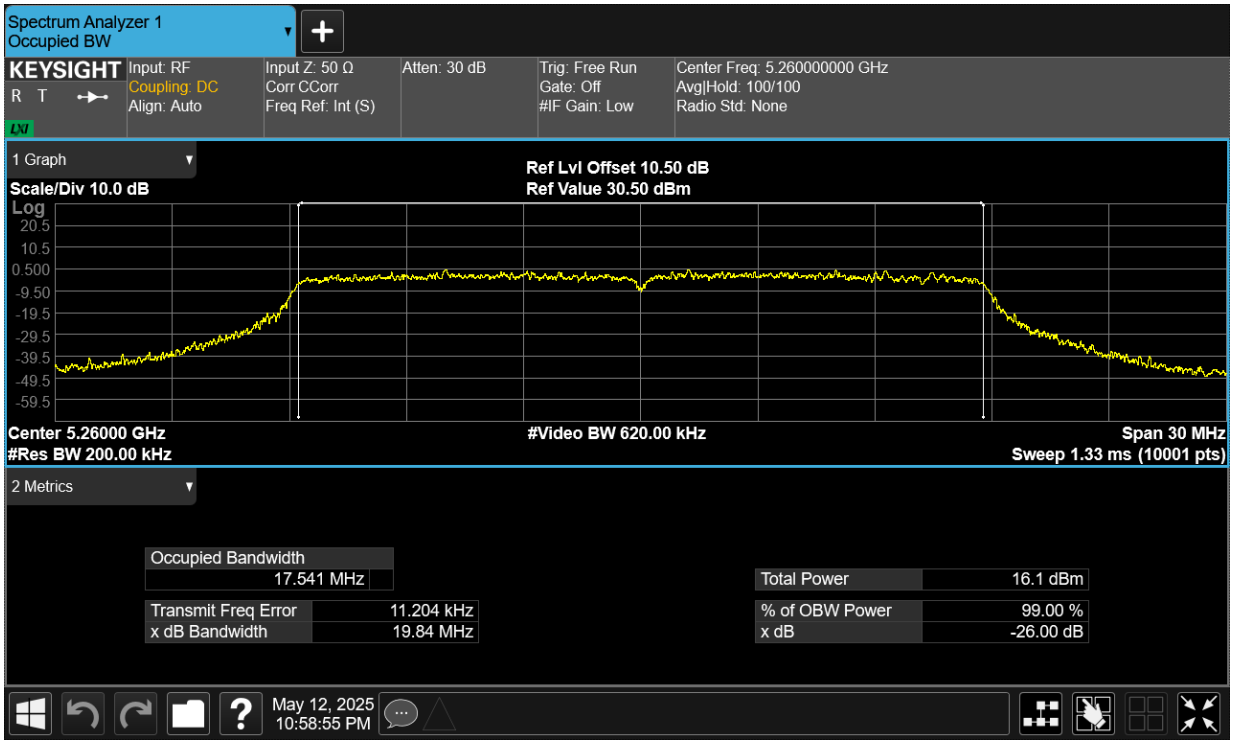


OBW NVNT ax80 5290MHz Ant4



OBW NVNT n20 5260MHz Ant1



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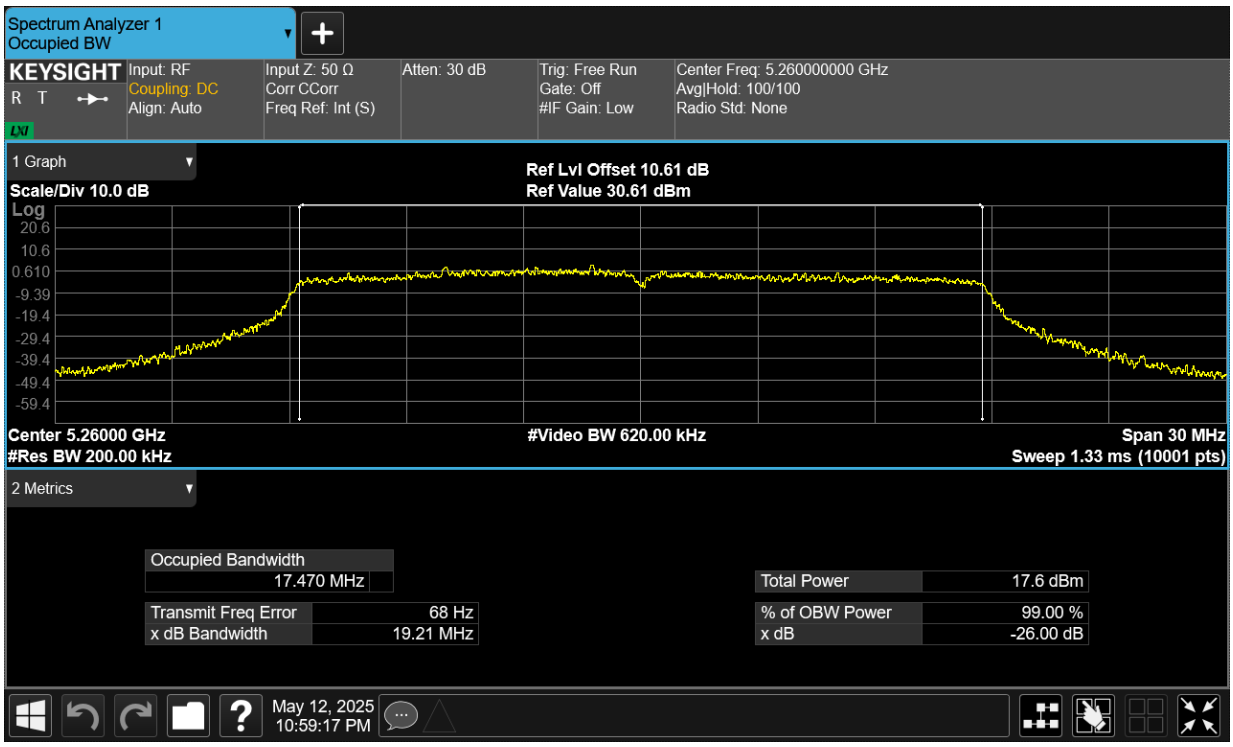

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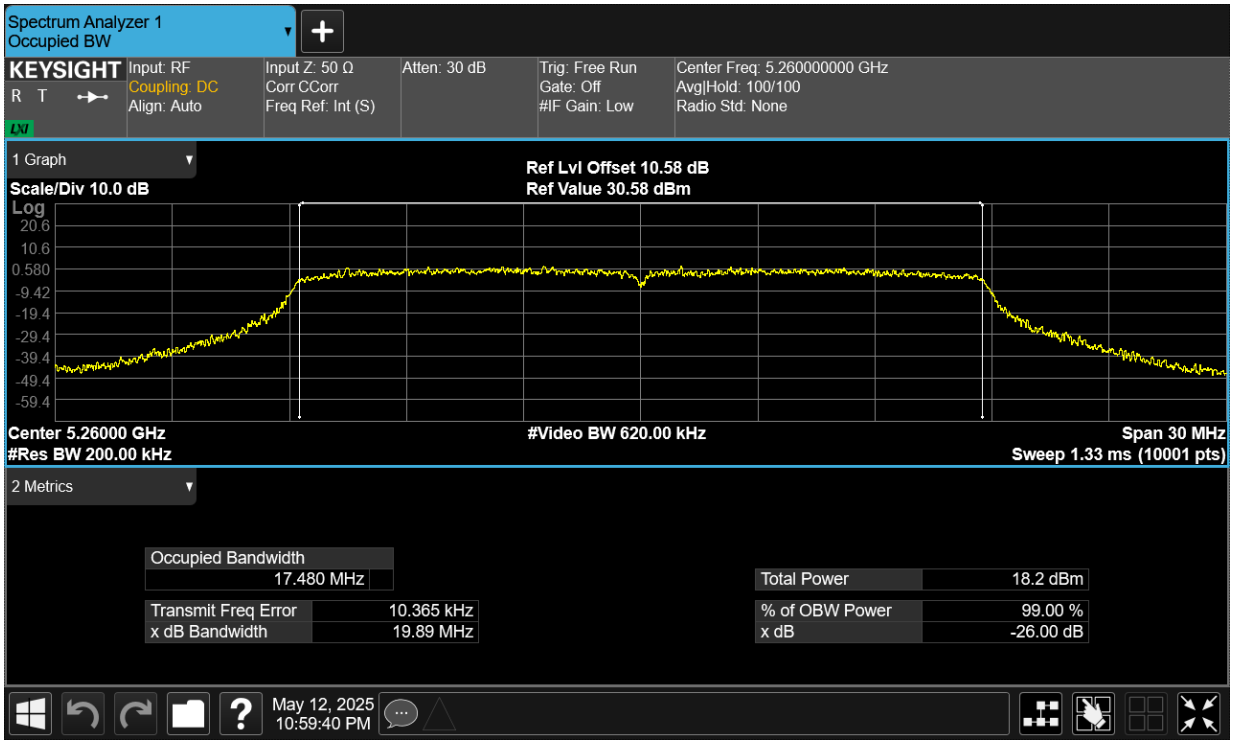
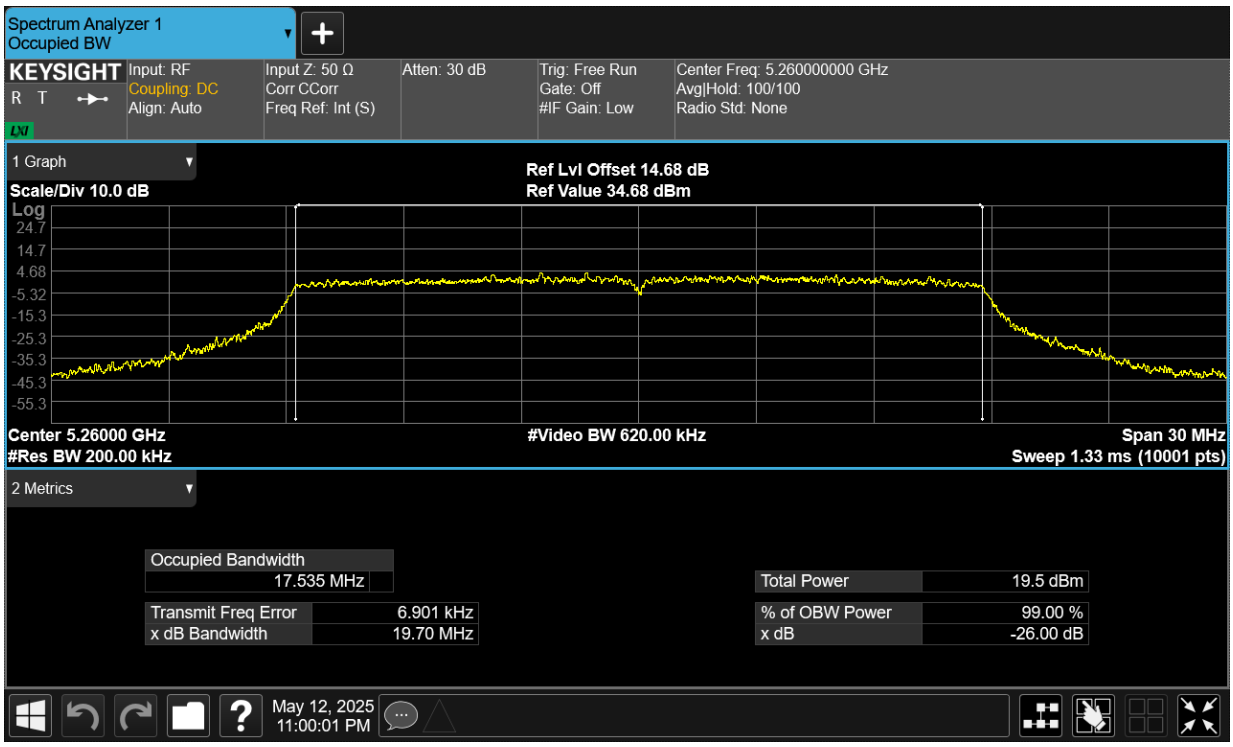


OBW NVNT n20 5260MHz Ant4



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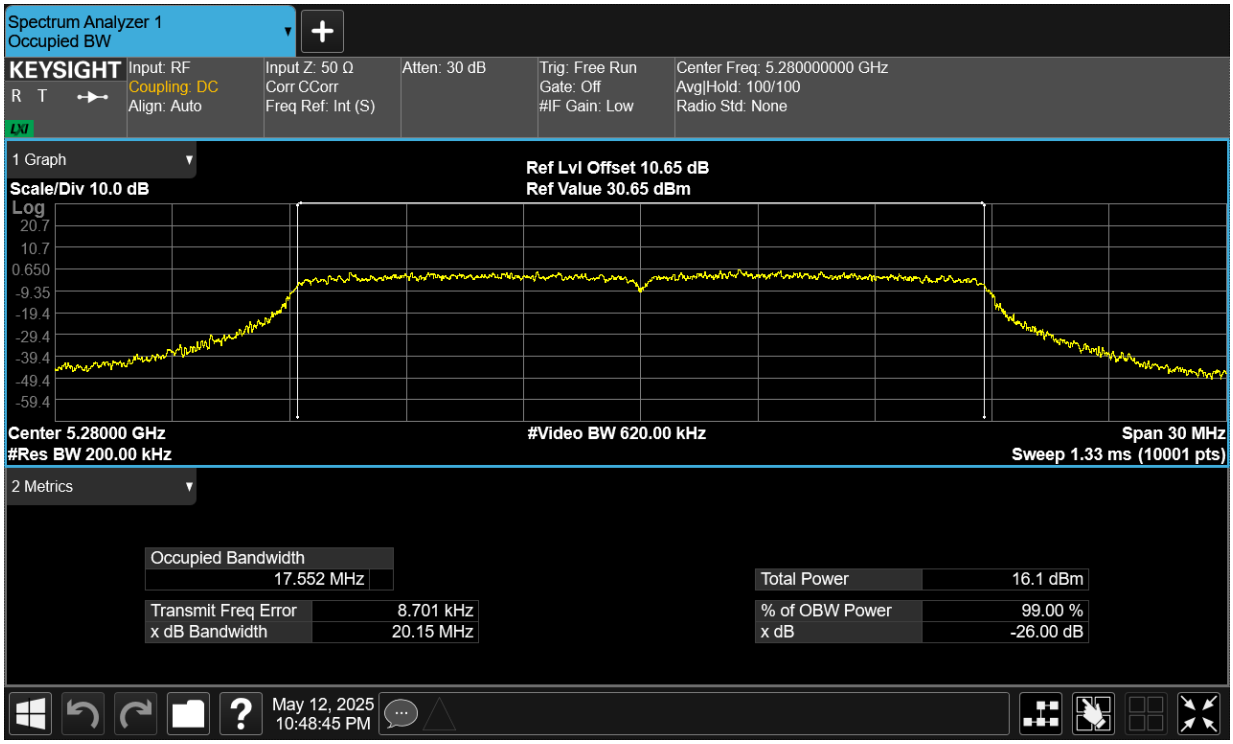

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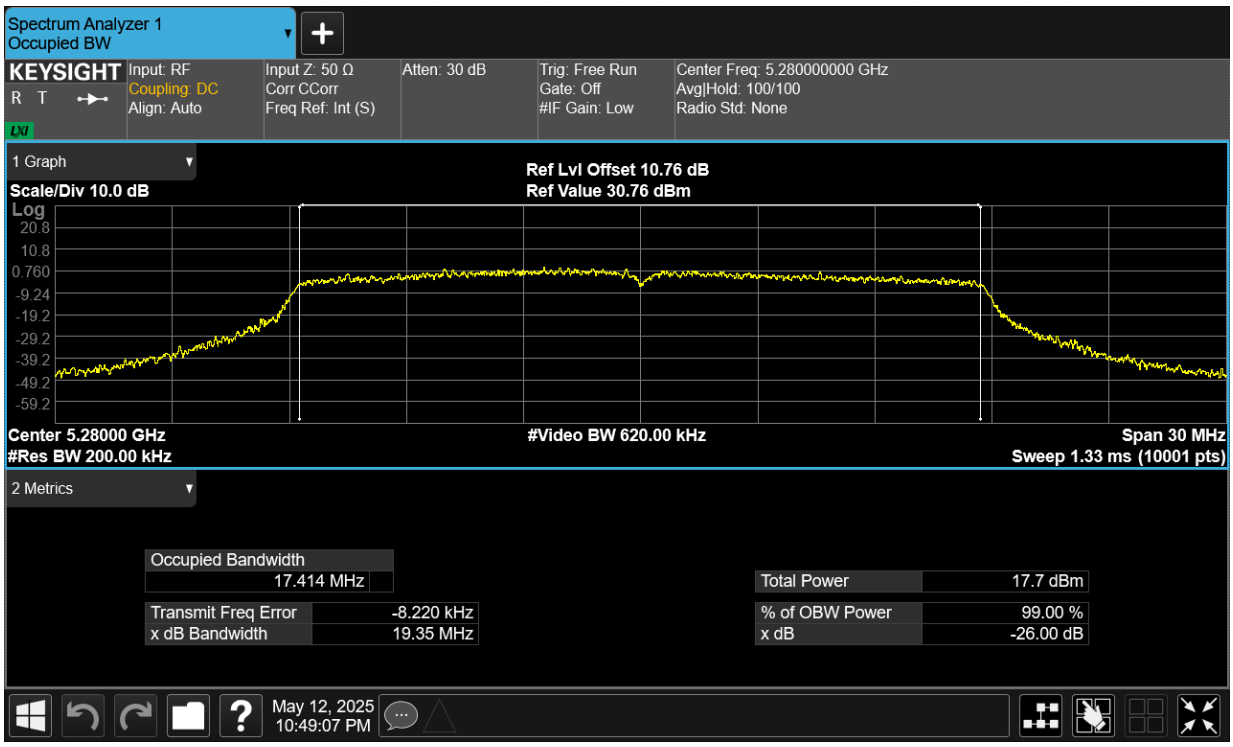

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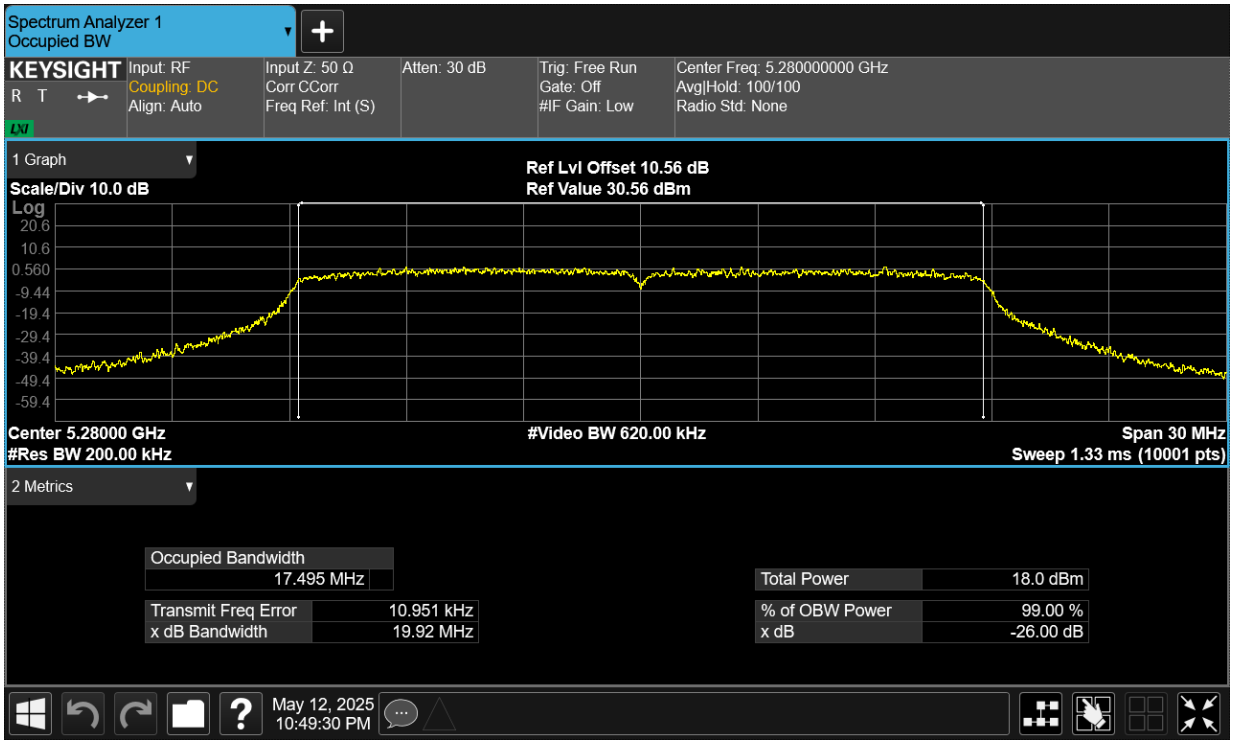
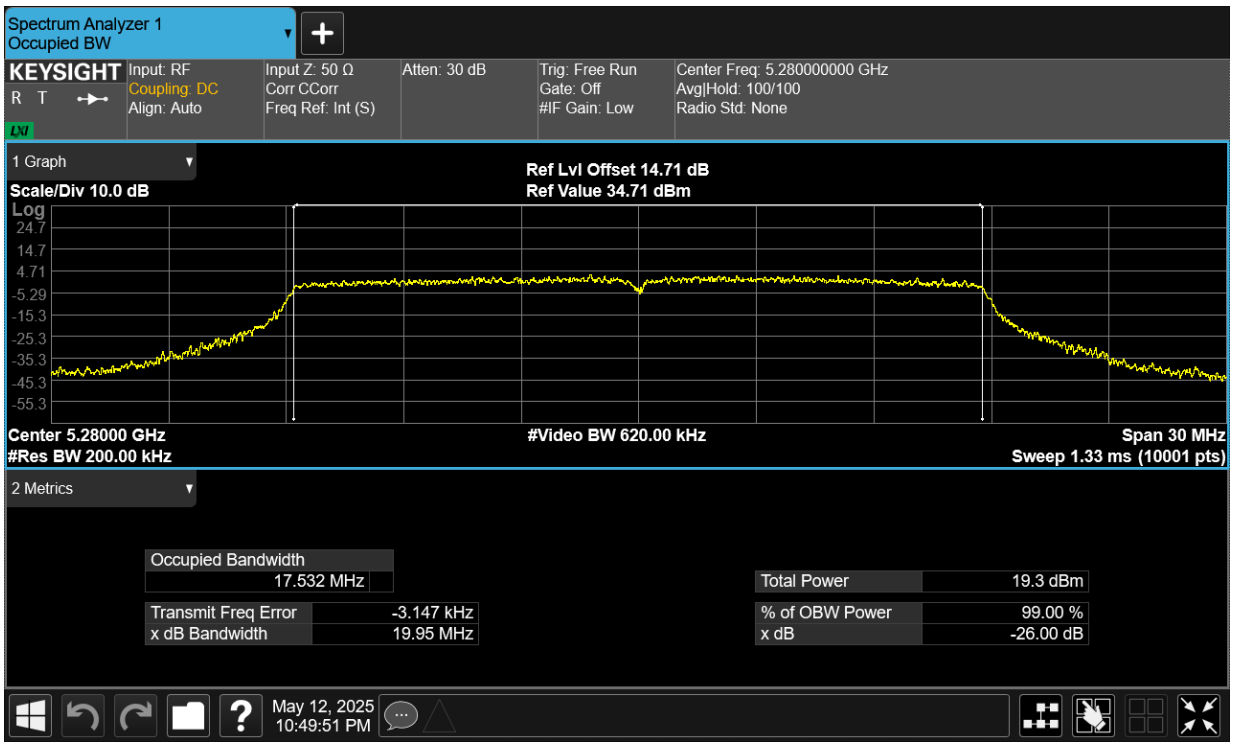
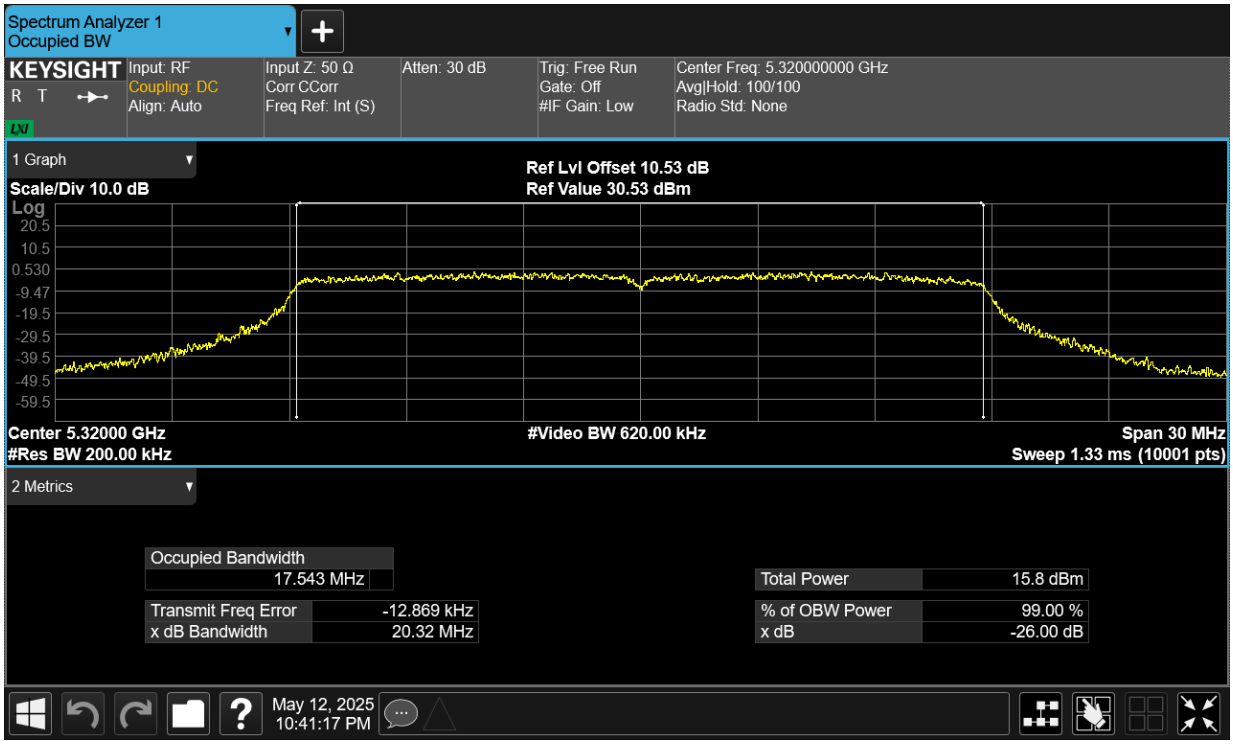


OBW NVNT n20 5280MHz Ant4

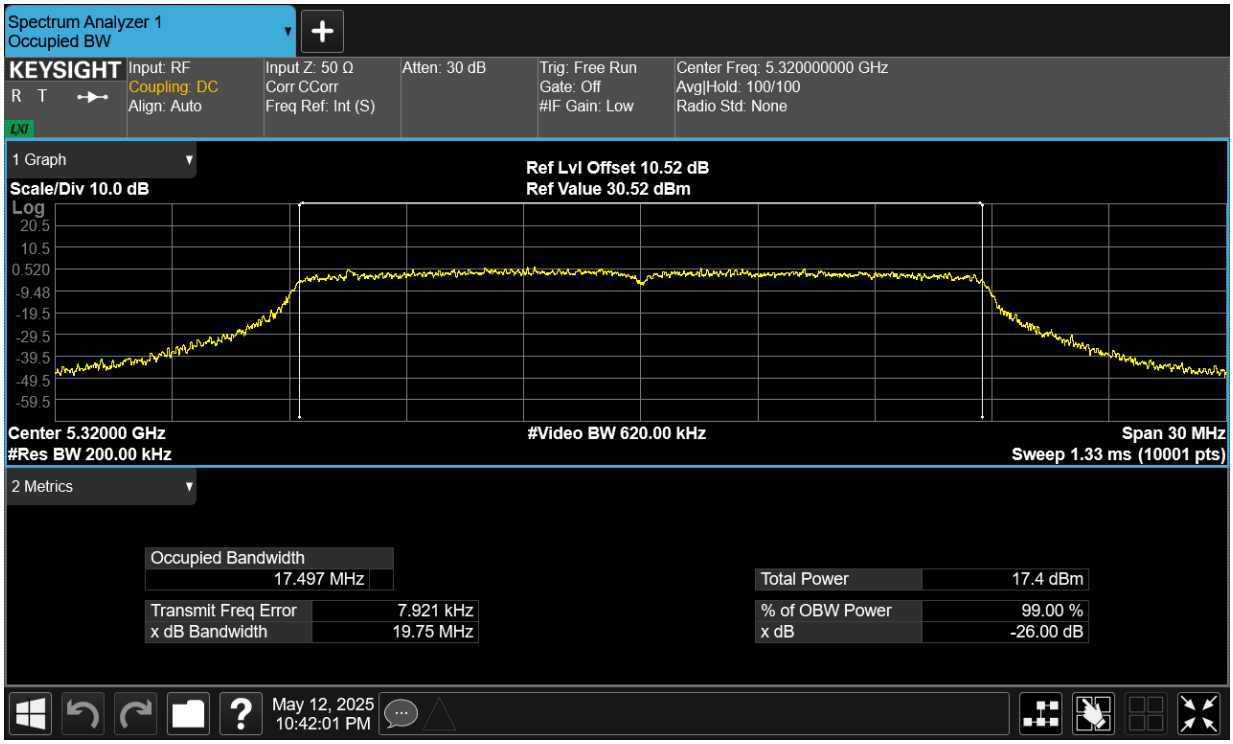


OBW NVNT n20 5320MHz Ant1



OBW NVNT n20 5320MHz Ant2

OBW NVNT n20 5320MHz Ant3



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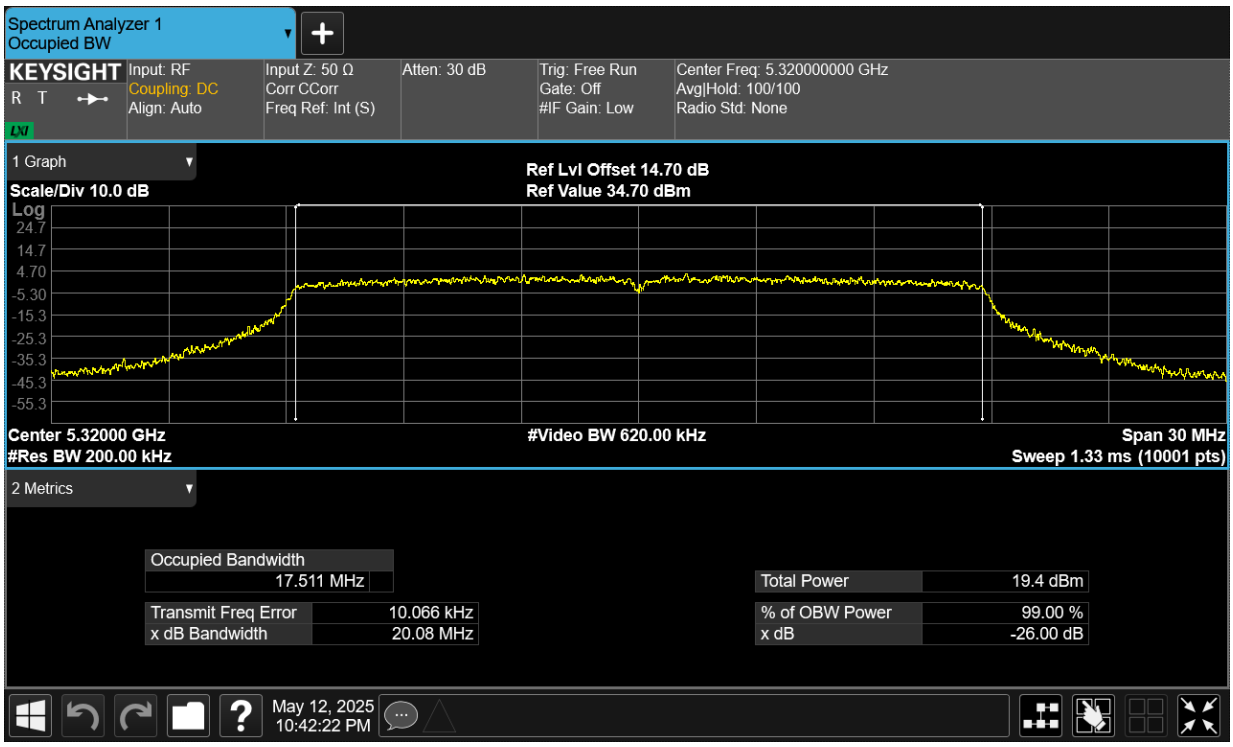
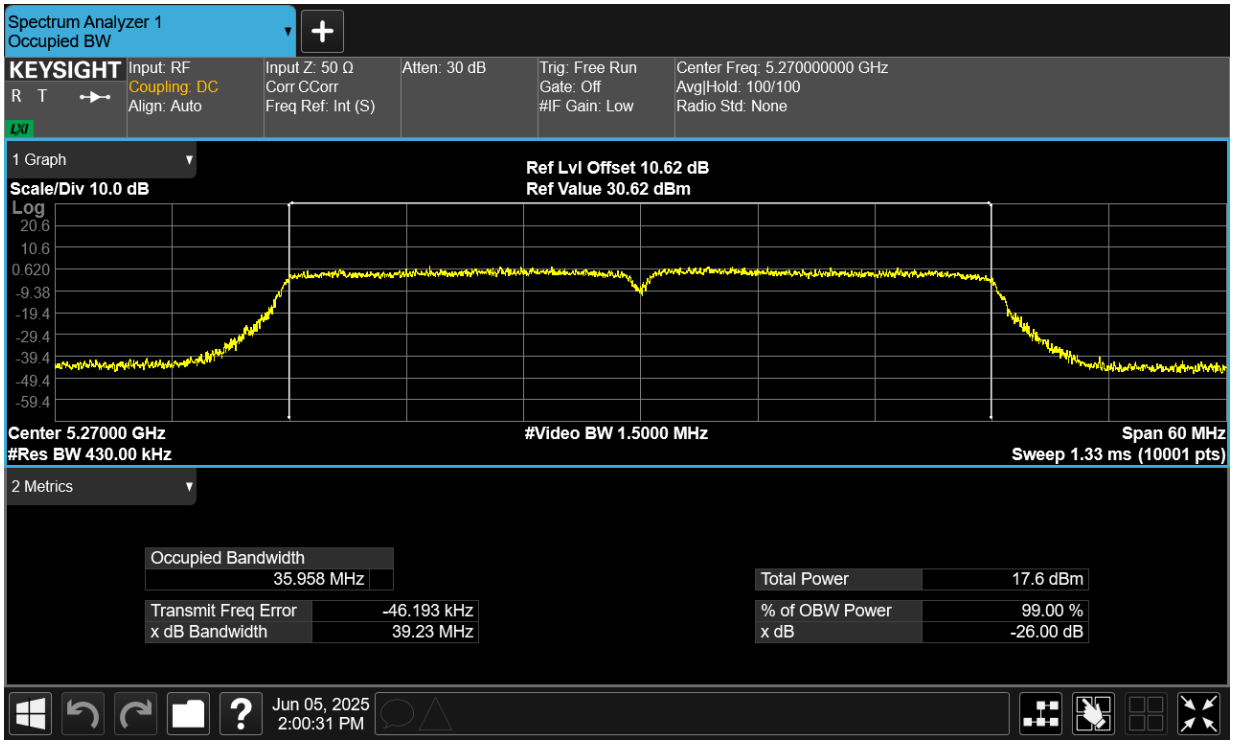


OBW NVNT n40 5270MHz Ant1



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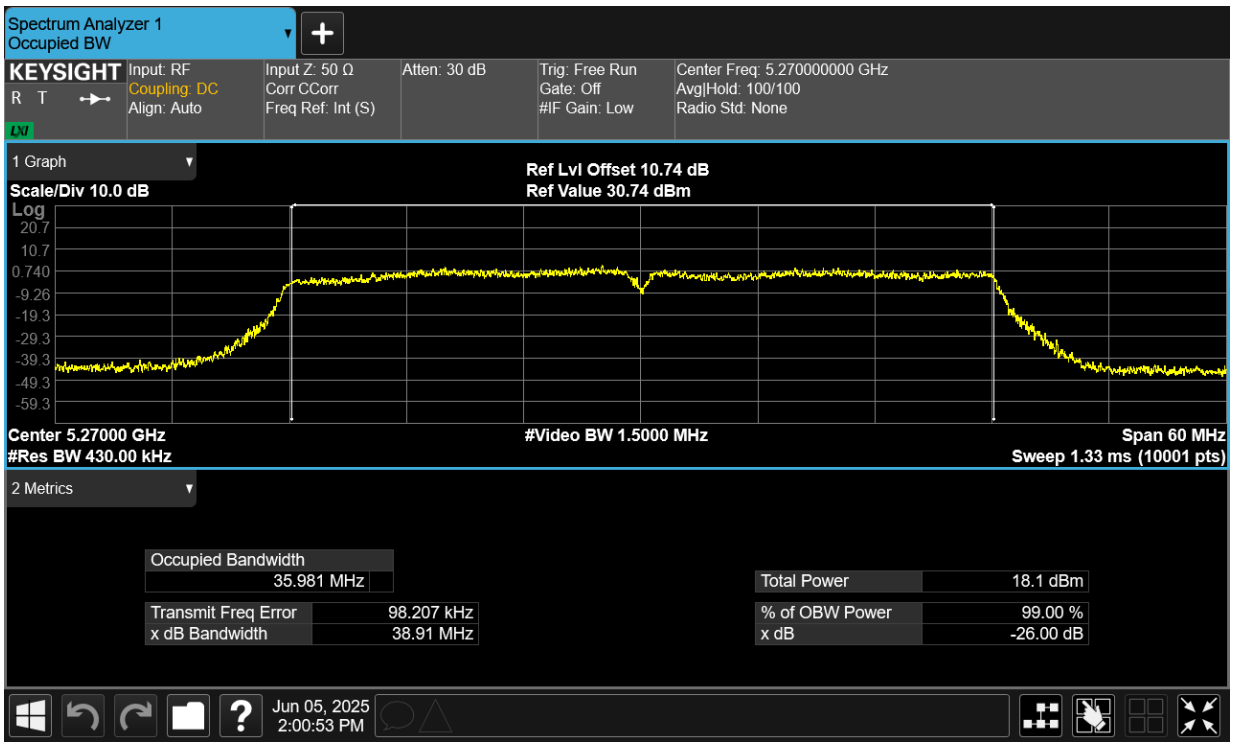

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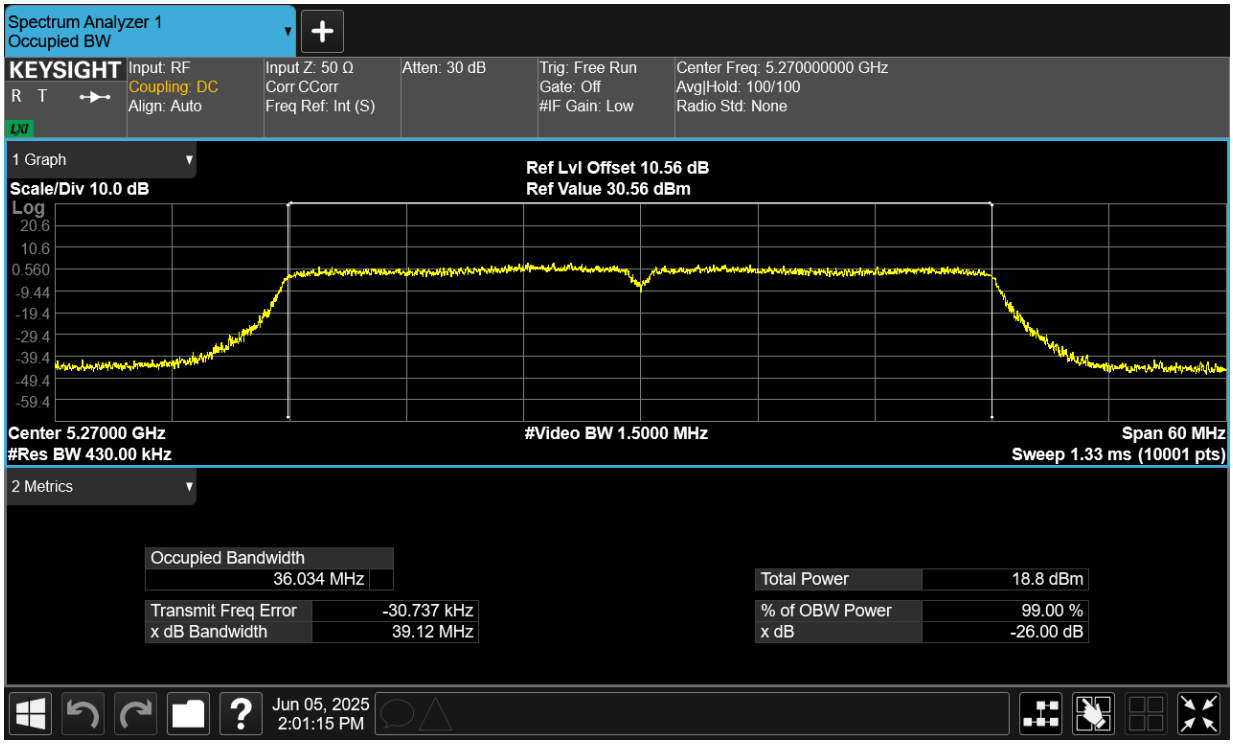
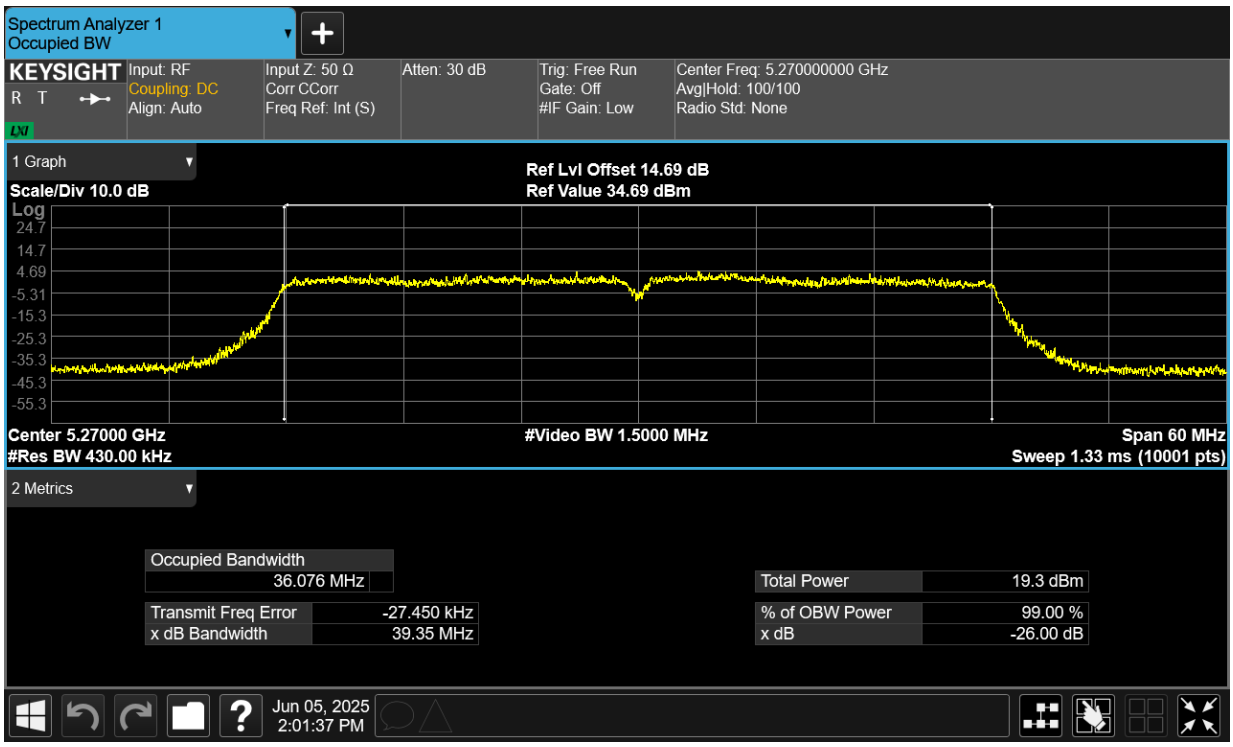


OBW NVNT n40 5270MHz Ant4



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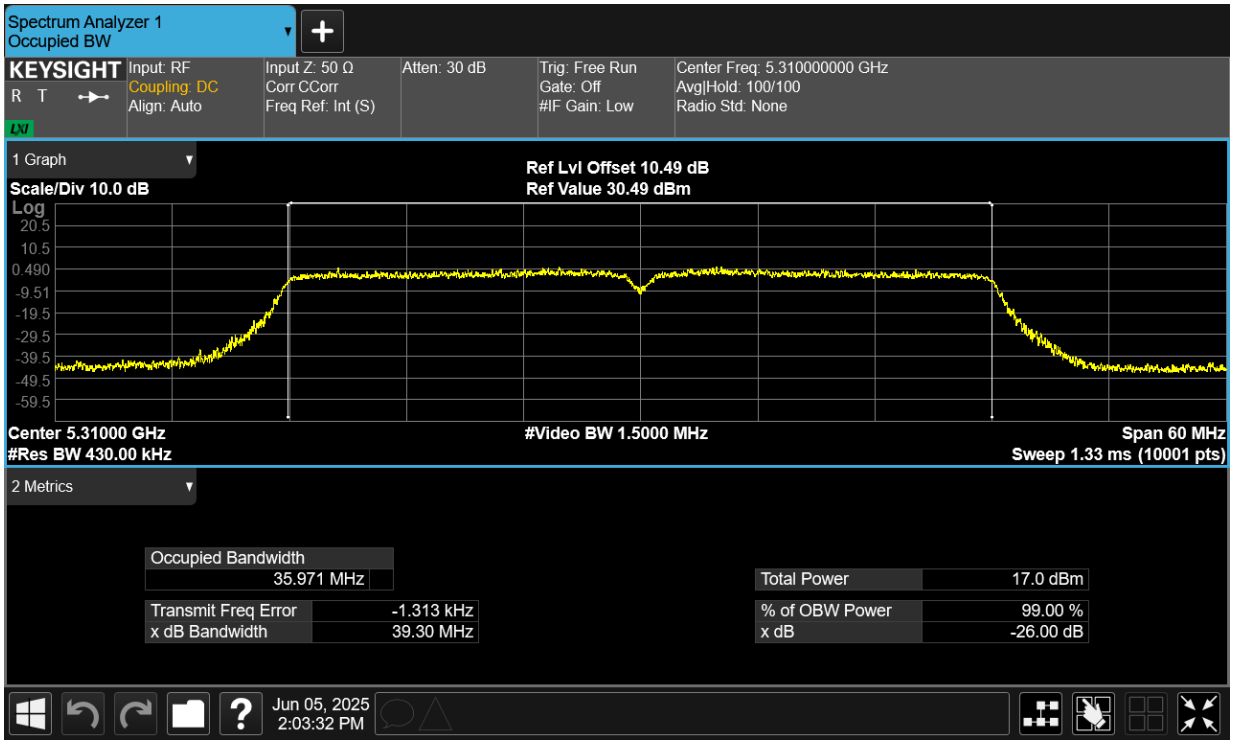

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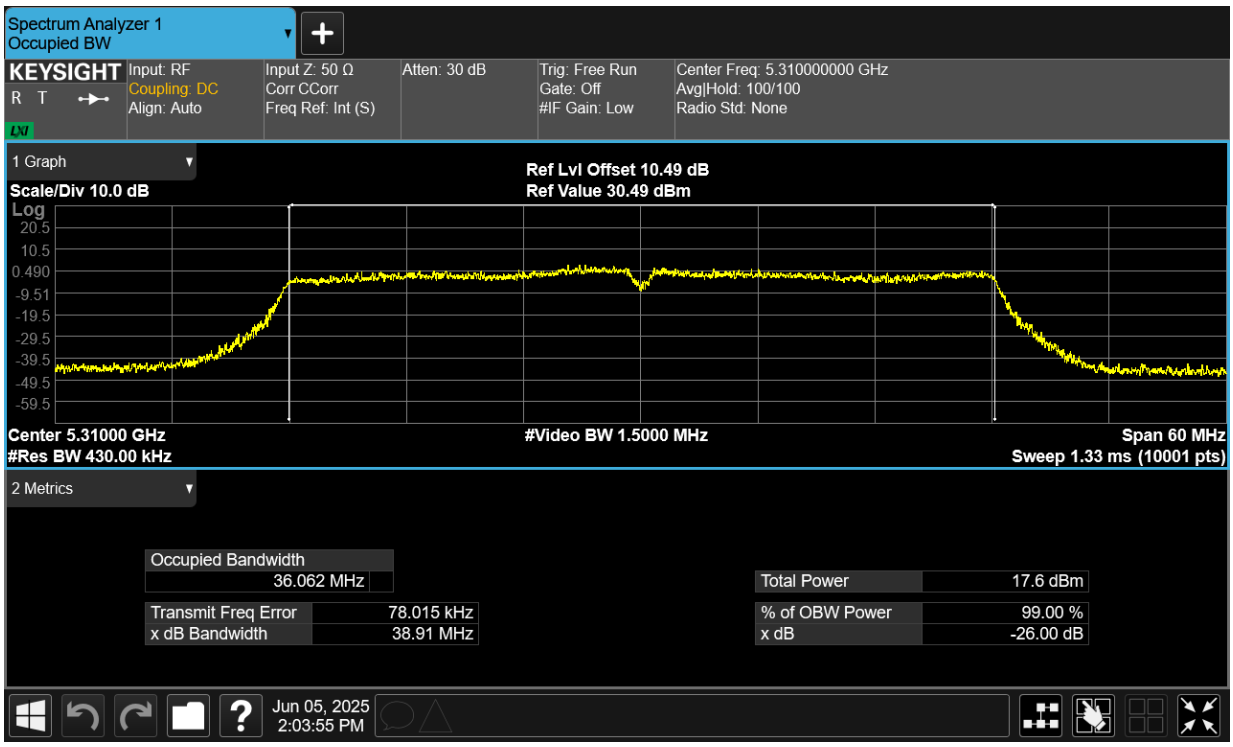

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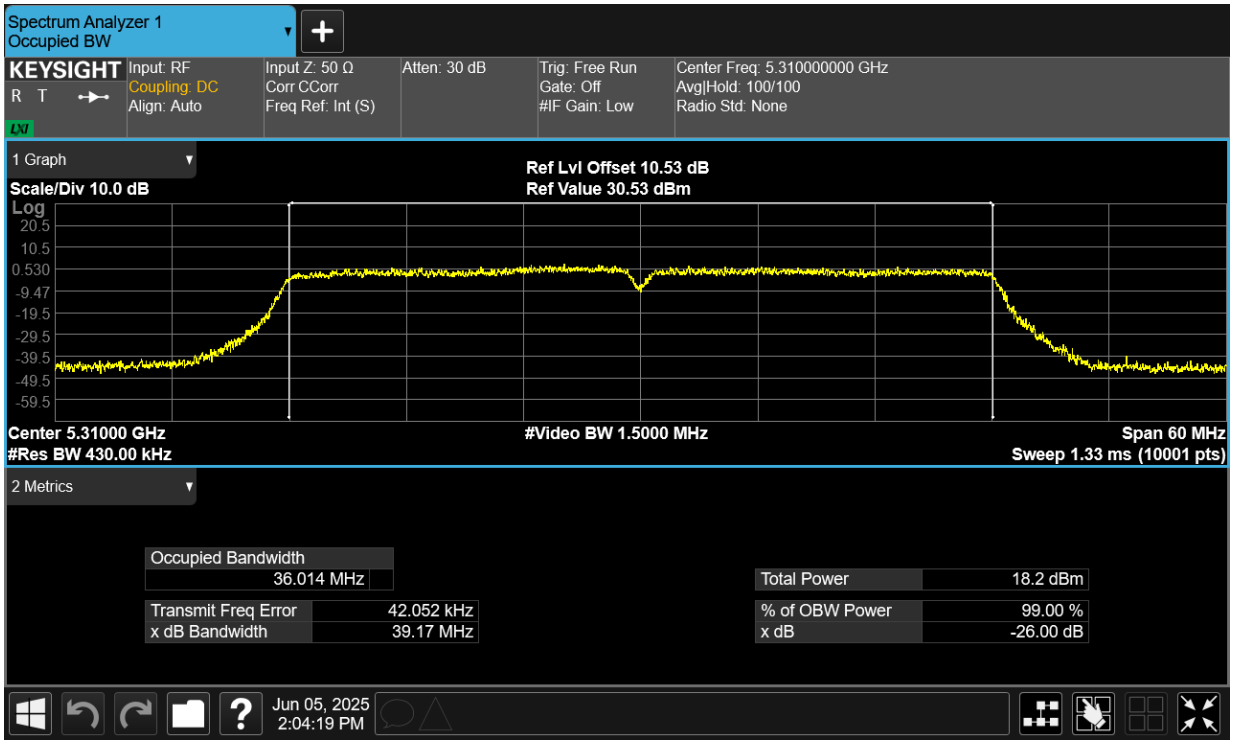
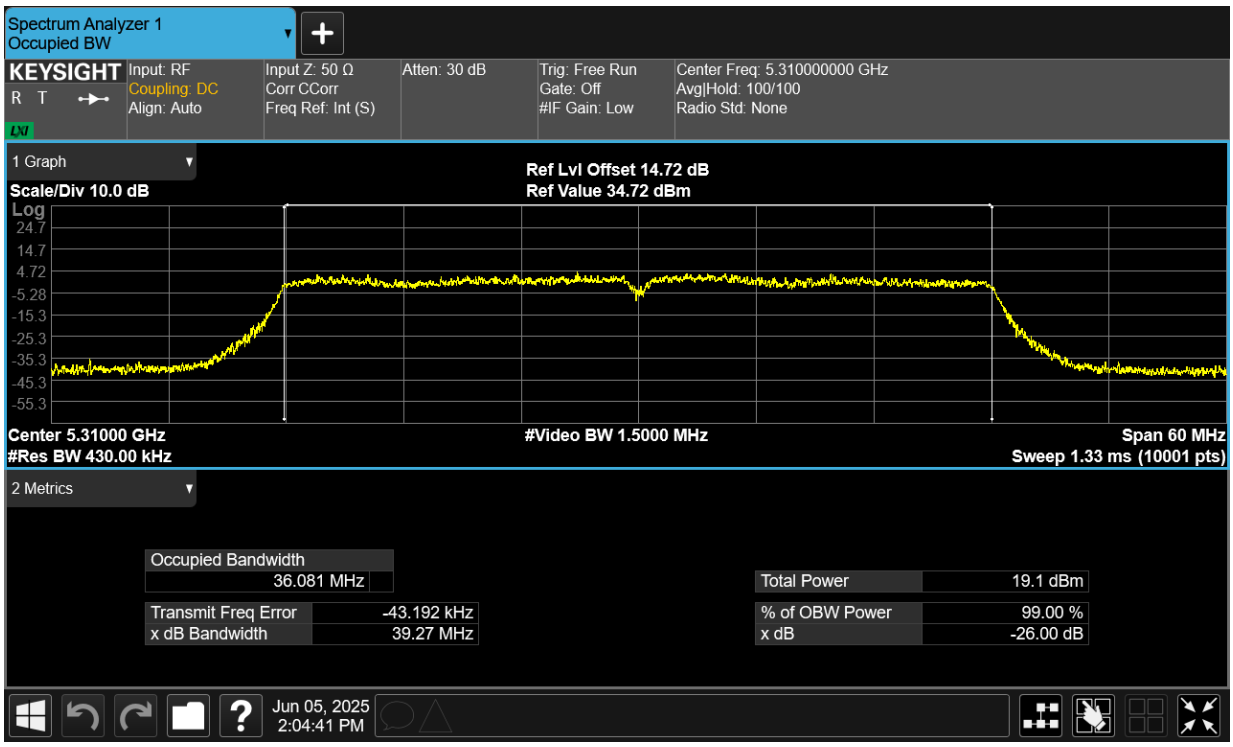


OBW NVNT n40 5310MHz Ant4



Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Duty Factor (dB)	Max PSD (dBm)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant1	0.22	9.834	10.054	11	Pass
NVNT	a	5280	Ant1	0.2	10.5	10.7	11	Pass
NVNT	a	5320	Ant1	0.22	9.855	10.075	11	Pass
NVNT	a	5260	Ant2	0.22	10.276	10.496	11	Pass
NVNT	a	5280	Ant2	0.21	10.444	10.654	11	Pass
NVNT	a	5320	Ant2	0.22	9.761	9.981	11	Pass
NVNT	a	5260	Ant3	0.22	10.352	10.572	11	Pass
NVNT	a	5280	Ant3	0.21	10.314	10.524	11	Pass
NVNT	a	5320	Ant3	0.19	9.856	10.046	11	Pass
NVNT	a	5260	Ant4	0.21	10.054	10.264	11	Pass
NVNT	a	5280	Ant4	0.21	10.135	10.345	11	Pass
NVNT	a	5320	Ant4	0.24	10.446	10.686	11	Pass
NVNT	ac20	5260	Ant1	0.1	-1.618	-1.518	5.98	Pass
NVNT	ac20	5260	Ant2	0.1	-0.911	-0.811	5.98	Pass
NVNT	ac20	5260	Ant3	0.1	-0.919	-0.819	5.98	Pass
NVNT	ac20	5260	Ant4	0.1	0.182	0.282	5.98	Pass
NVNT	ac20	5260	Sum	0.1	5.253	5.353	5.98	Pass
NVNT	ac20	5280	Ant1	0.09	-1.745	-1.655	5.98	Pass
NVNT	ac20	5280	Ant2	0.09	-0.875	-0.785	5.98	Pass
NVNT	ac20	5280	Ant3	0.09	-1.346	-1.256	5.98	Pass
NVNT	ac20	5280	Ant4	0.09	-0.154	-0.064	5.98	Pass
NVNT	ac20	5280	Sum	0.09	5.032	5.122	5.98	Pass
NVNT	ac20	5320	Ant1	0.09	-1.802	-1.712	5.98	Pass
NVNT	ac20	5320	Ant2	0.09	-0.239	-0.149	5.98	Pass
NVNT	ac20	5320	Ant3	0.09	-1.298	-1.208	5.98	Pass
NVNT	ac20	5320	Ant4	0.09	0.215	0.305	5.98	Pass
NVNT	ac20	5320	Sum	0.09	5.314	5.404	5.98	Pass
NVNT	ac40	5270	Ant1	0.08	-3.145	-3.065	5.98	Pass
NVNT	ac40	5270	Ant2	0.08	-0.483	-0.403	5.98	Pass
NVNT	ac40	5270	Ant3	0.08	-0.901	-0.821	5.98	Pass
NVNT	ac40	5270	Ant4	0.08	0.544	0.624	5.98	Pass
NVNT	ac40	5270	Sum	0.08	5.219	5.299	5.98	Pass
NVNT	ac40	5310	Ant1	0.1	-3.59	-3.49	5.98	Pass
NVNT	ac40	5310	Ant2	0.1	-1.474	-1.374	5.98	Pass
NVNT	ac40	5310	Ant3	0.1	-1.102	-1.002	5.98	Pass
NVNT	ac40	5310	Ant4	0.1	-0.173	-0.073	5.98	Pass
NVNT	ac40	5310	Sum	0.1	4.604	4.704	5.98	Pass
NVNT	ac80	5290	Ant1	0.18	-6.784	-6.604	5.98	Pass
NVNT	ac80	5290	Ant2	0.18	-4.274	-4.094	5.98	Pass
NVNT	ac80	5290	Ant3	0.18	-4.618	-4.438	5.98	Pass

NVNT	ac80	5290	Ant4	0.18	-3.004	-2.824	5.98	Pass
NVNT	ac80	5290	Sum	0.18	1.552	1.732	5.98	Pass
NVNT	ax20	5260	Ant1	0.09	-1.485	-1.395	5.98	Pass
NVNT	ax20	5260	Ant2	0.09	-0.845	-0.755	5.98	Pass
NVNT	ax20	5260	Ant3	0.09	-1.265	-1.175	5.98	Pass
NVNT	ax20	5260	Ant4	0.09	-0.328	-0.238	5.98	Pass
NVNT	ax20	5260	Sum	0.09	5.063	5.153	5.98	Pass
NVNT	ax20	5280	Ant1	0.08	-1.775	-1.695	5.98	Pass
NVNT	ax20	5280	Ant2	0.08	-0.557	-0.477	5.98	Pass
NVNT	ax20	5280	Ant3	0.08	-1.155	-1.075	5.98	Pass
NVNT	ax20	5280	Ant4	0.08	-0.111	-0.031	5.98	Pass
NVNT	ax20	5280	Sum	0.08	5.166	5.246	5.98	Pass
NVNT	ax20	5320	Ant1	0.08	-2.209	-2.129	5.98	Pass
NVNT	ax20	5320	Ant2	0.08	-0.766	-0.686	5.98	Pass
NVNT	ax20	5320	Ant3	0.08	-1.28	-1.2	5.98	Pass
NVNT	ax20	5320	Ant4	0.08	-0.738	-0.658	5.98	Pass
NVNT	ax20	5320	Sum	0.08	4.812	4.892	5.98	Pass
NVNT	ax40	5270	Ant1	0.12	-2.89	-2.77	5.98	Pass
NVNT	ax40	5270	Ant2	0.12	-0.769	-0.649	5.98	Pass
NVNT	ax40	5270	Ant3	0.12	-0.674	-0.554	5.98	Pass
NVNT	ax40	5270	Ant4	0.12	0.398	0.518	5.98	Pass
NVNT	ax40	5270	Sum	0.12	5.19	5.31	5.98	Pass
NVNT	ax40	5310	Ant1	0.12	-3.572	-3.452	5.98	Pass
NVNT	ax40	5310	Ant2	0.12	-1.464	-1.344	5.98	Pass
NVNT	ax40	5310	Ant3	0.12	-1.142	-1.022	5.98	Pass
NVNT	ax40	5310	Ant4	0.12	0.198	0.318	5.98	Pass
NVNT	ax40	5310	Sum	0.12	4.726	4.846	5.98	Pass
NVNT	ax80	5290	Ant1	0.19	-6.078	-5.888	5.98	Pass
NVNT	ax80	5290	Ant2	0.19	-4.416	-4.226	5.98	Pass
NVNT	ax80	5290	Ant3	0.19	-4.226	-4.036	5.98	Pass
NVNT	ax80	5290	Ant4	0.19	-3.165	-2.975	5.98	Pass
NVNT	ax80	5290	Sum	0.19	1.67	1.86	5.98	Pass
NVNT	n20	5260	Ant1	0.09	-1.699	-1.609	5.98	Pass
NVNT	n20	5260	Ant2	0.09	-0.87	-0.78	5.98	Pass
NVNT	n20	5260	Ant3	0.09	-1.106	-1.016	5.98	Pass
NVNT	n20	5260	Ant4	0.09	0.182	0.272	5.98	Pass
NVNT	n20	5260	Sum	0.09	5.202	5.292	5.98	Pass
NVNT	n20	5280	Ant1	0.08	-1.34	-1.26	5.98	Pass
NVNT	n20	5280	Ant2	0.08	-0.699	-0.619	5.98	Pass
NVNT	n20	5280	Ant3	0.08	-1.32	-1.24	5.98	Pass
NVNT	n20	5280	Ant4	0.08	0.17	0.25	5.98	Pass
NVNT	n20	5280	Sum	0.08	5.268	5.348	5.98	Pass
NVNT	n20	5320	Ant1	0.07	-1.769	-1.699	5.98	Pass
NVNT	n20	5320	Ant2	0.07	-0.456	-0.386	5.98	Pass

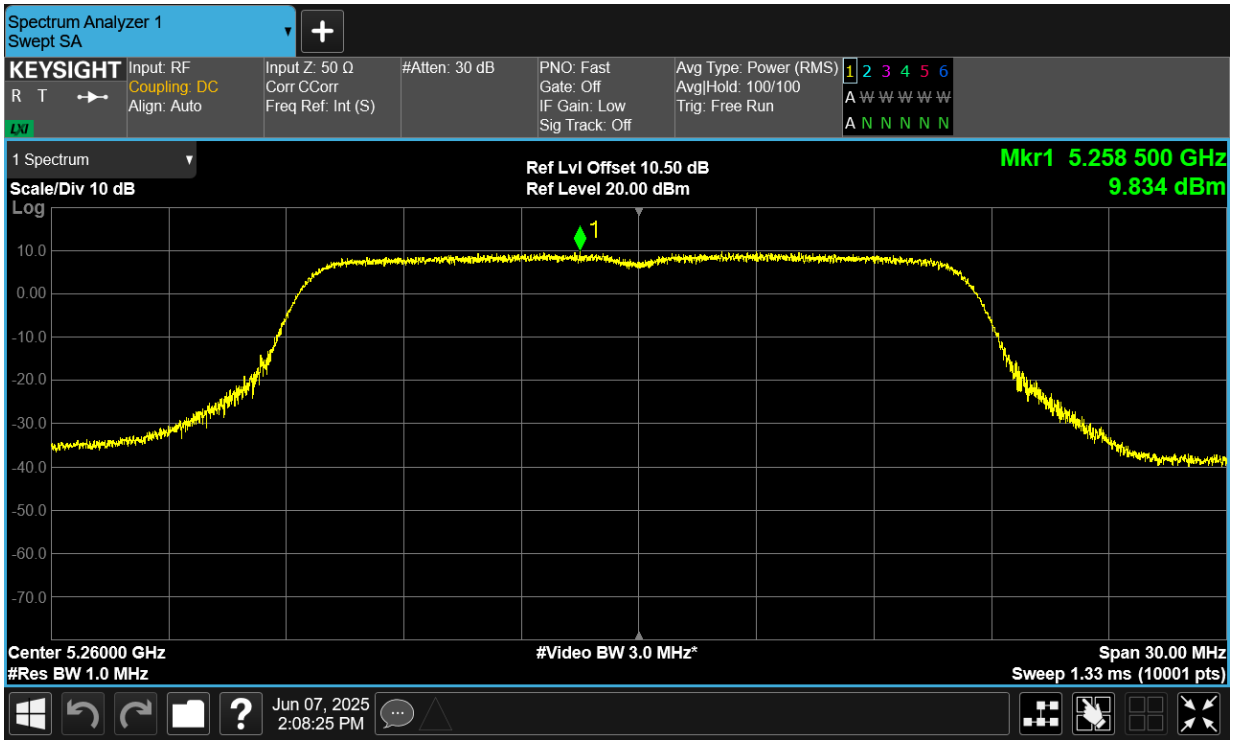
NVNT	n20	5320	Ant3	0.07	-1.298	-1.228	5.98	Pass
NVNT	n20	5320	Ant4	0.07	0.064	0.134	5.98	Pass
NVNT	n20	5320	Sum	0.07	5.214	5.284	5.98	Pass
NVNT	n40	5270	Ant1	0.08	-2.83	-2.75	5.98	Pass
NVNT	n40	5270	Ant2	0.08	-0.603	-0.523	5.98	Pass
NVNT	n40	5270	Ant3	0.08	-0.482	-0.402	5.98	Pass
NVNT	n40	5270	Ant4	0.08	0.261	0.341	5.98	Pass
NVNT	n40	5270	Sum	0.08	5.248	5.328	5.98	Pass
NVNT	n40	5310	Ant1	0.1	-3.535	-3.435	5.98	Pass
NVNT	n40	5310	Ant2	0.1	-1.352	-1.252	5.98	Pass
NVNT	n40	5310	Ant3	0.1	-1.135	-1.035	5.98	Pass
NVNT	n40	5310	Ant4	0.1	-0.616	-0.516	5.98	Pass
NVNT	n40	5310	Sum	0.1	4.492	4.592	5.98	Pass

Note: The limits need reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

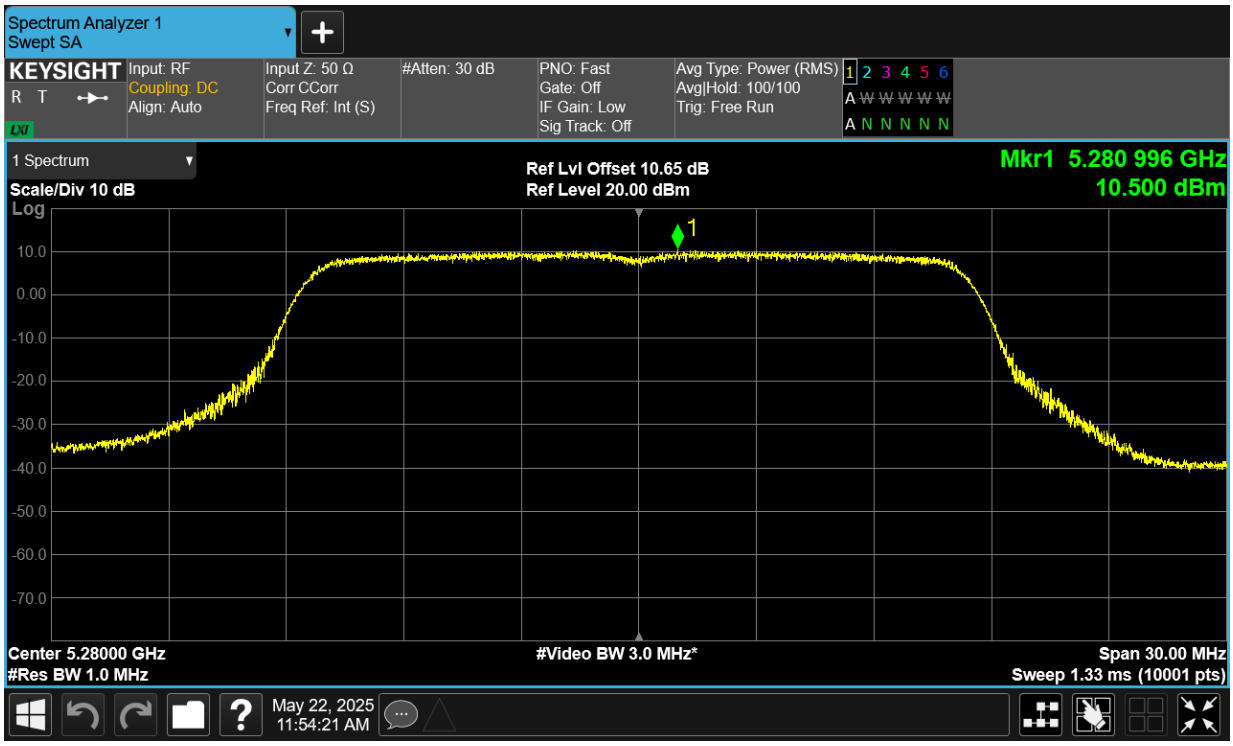
For MIMO mode: ant gain is 5+10*log10(4)=5+6.02=11.02 dBi, the limit is 11-(11.02-6)=5.98dbm.

Test Graphs

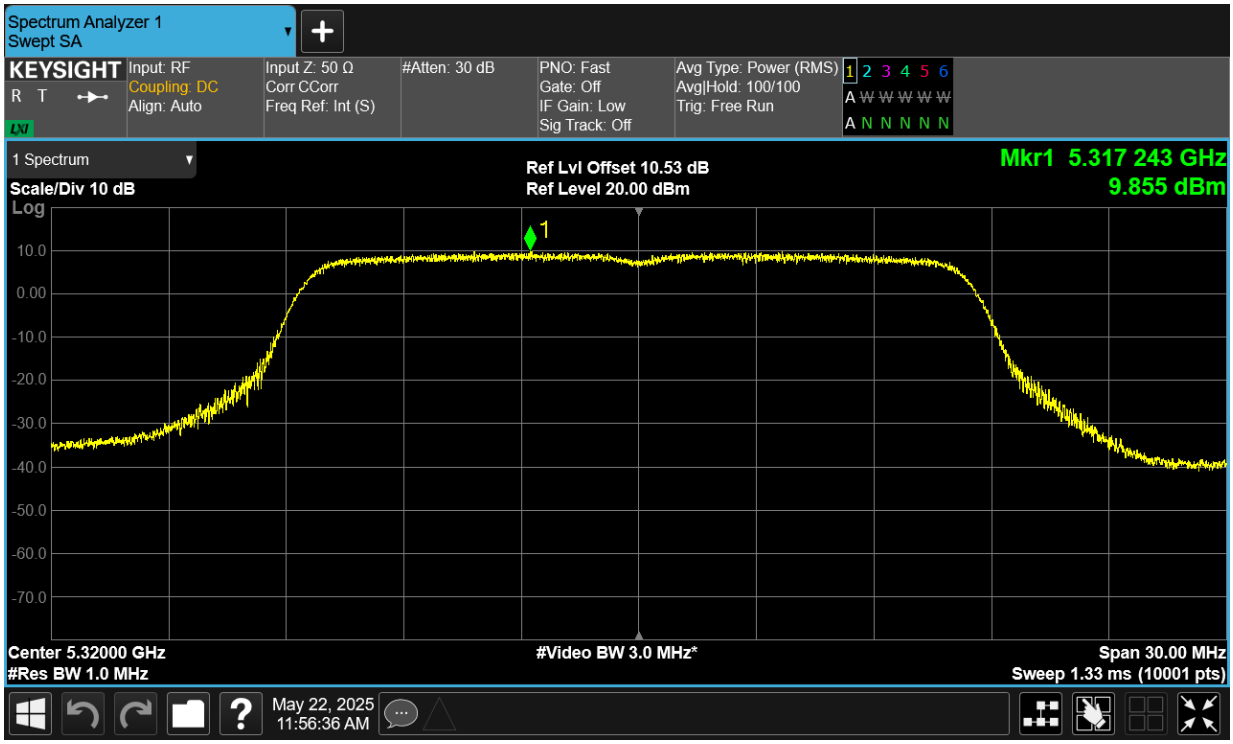
PSD NVNT a 5260MHz Ant1



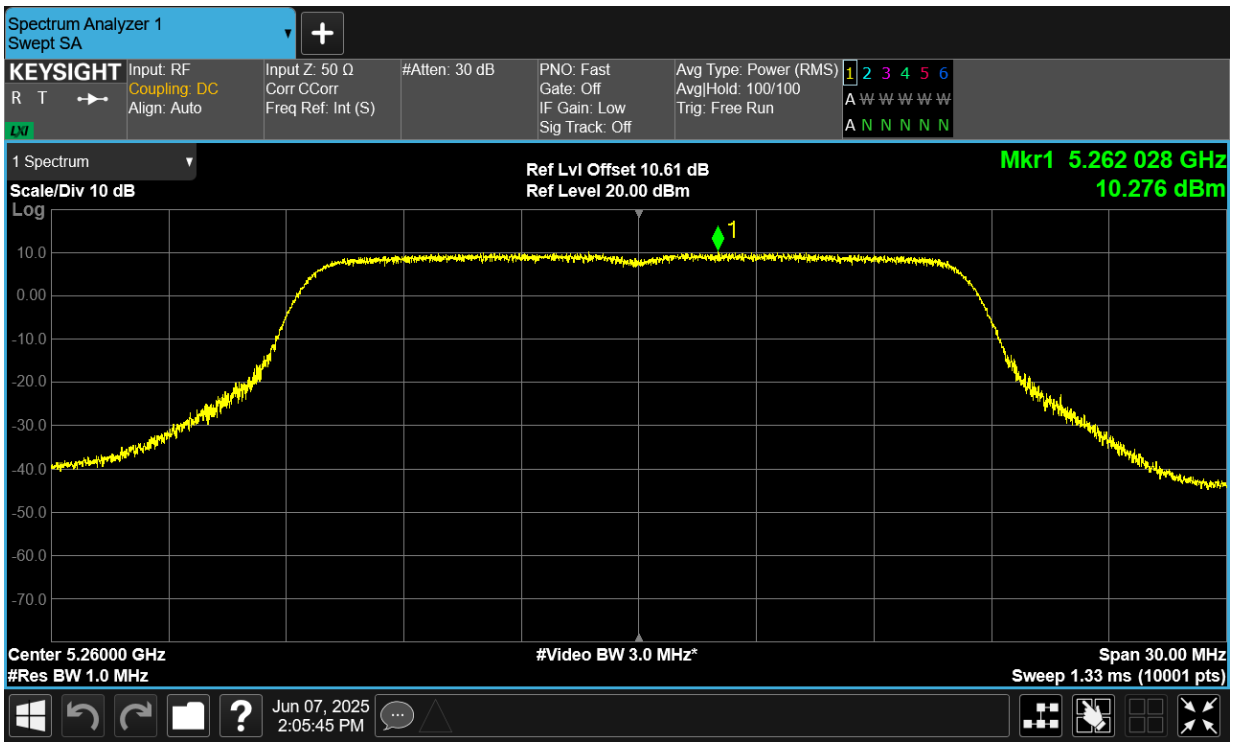
PSD NVNT a 5280MHz Ant1



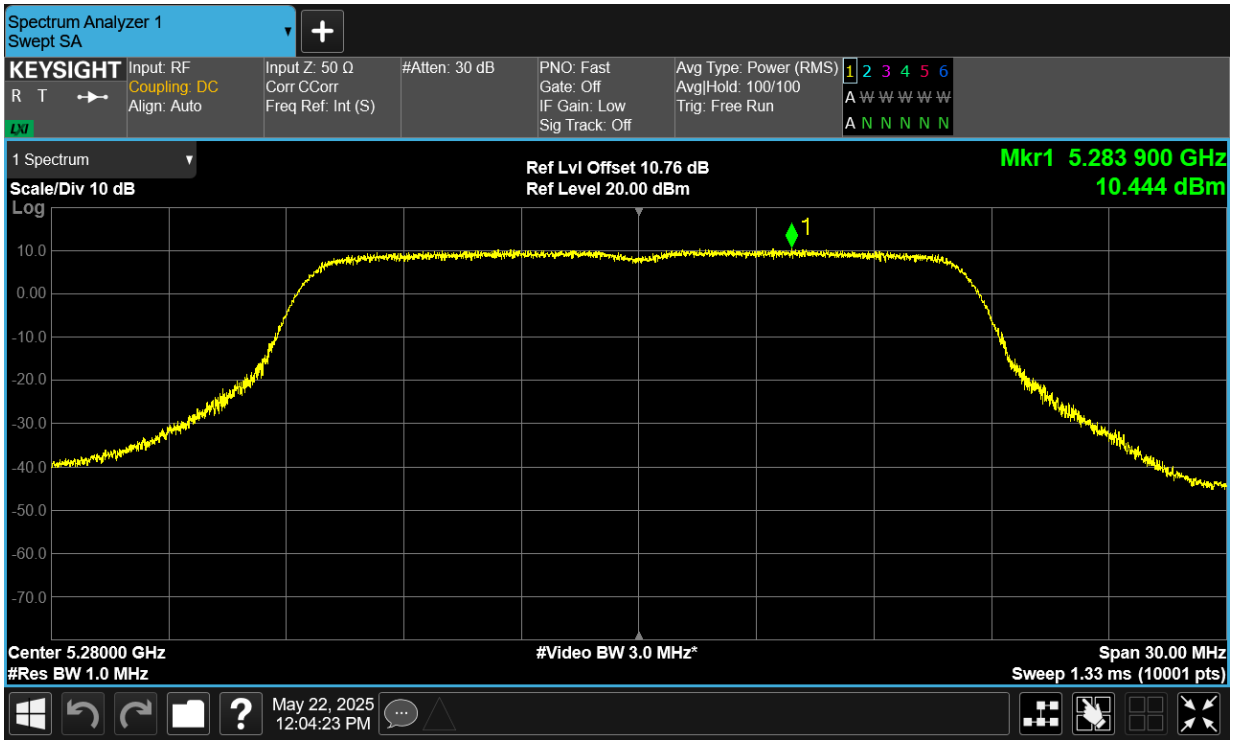
PSD NVNT a 5320MHz Ant1



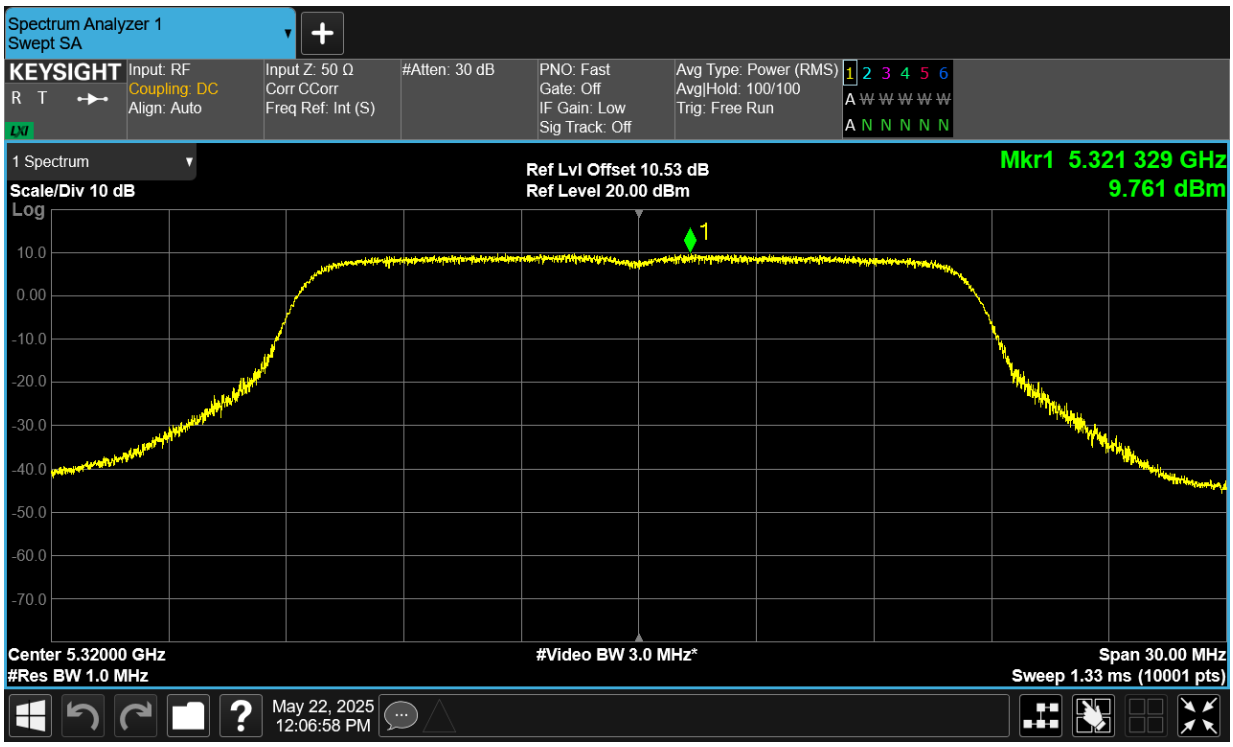
PSD NVNT a 5260MHz Ant2



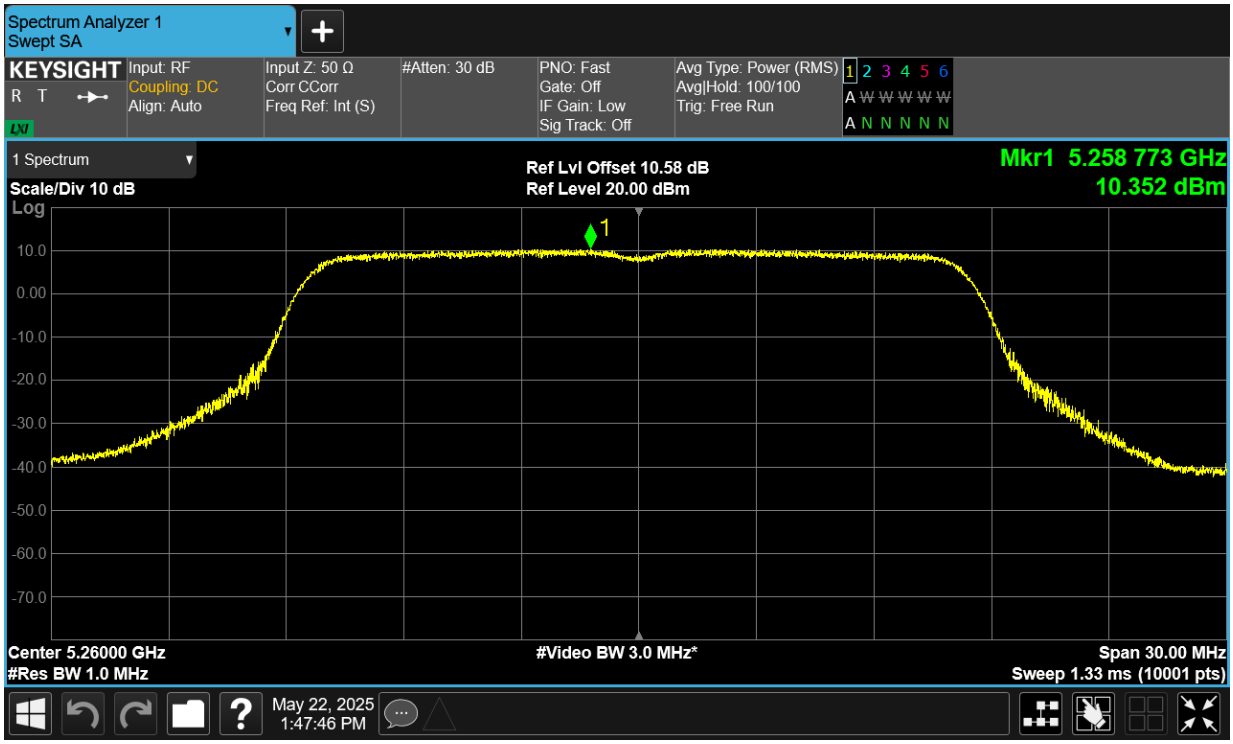
PSD NVNT a 5280MHz Ant2



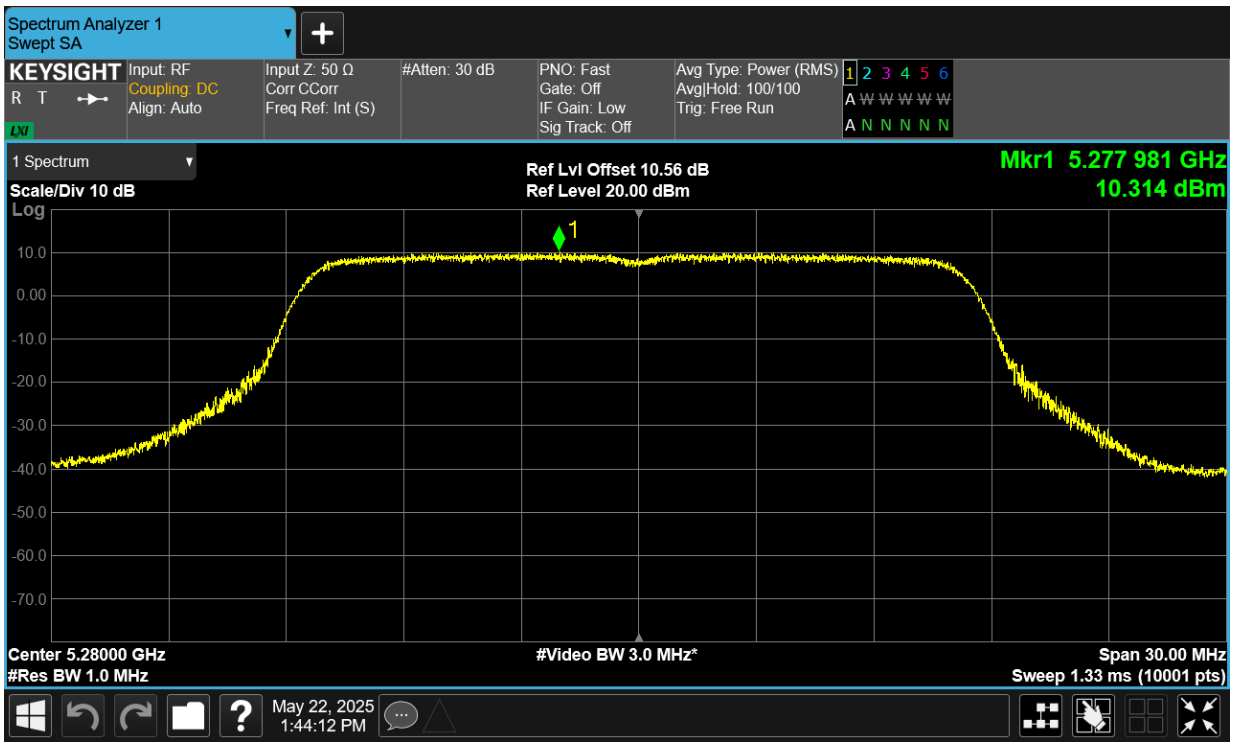
PSD NVNT a 5320MHz Ant2



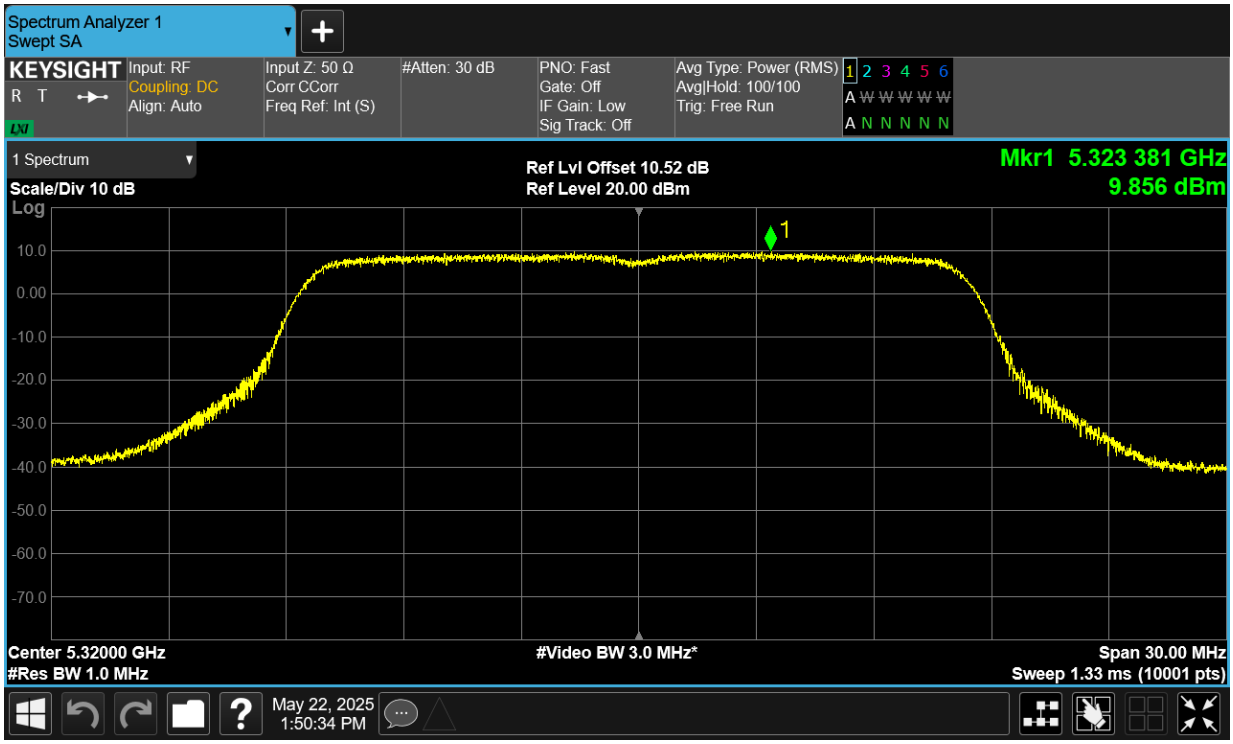
PSD NVNT a 5260MHz Ant3



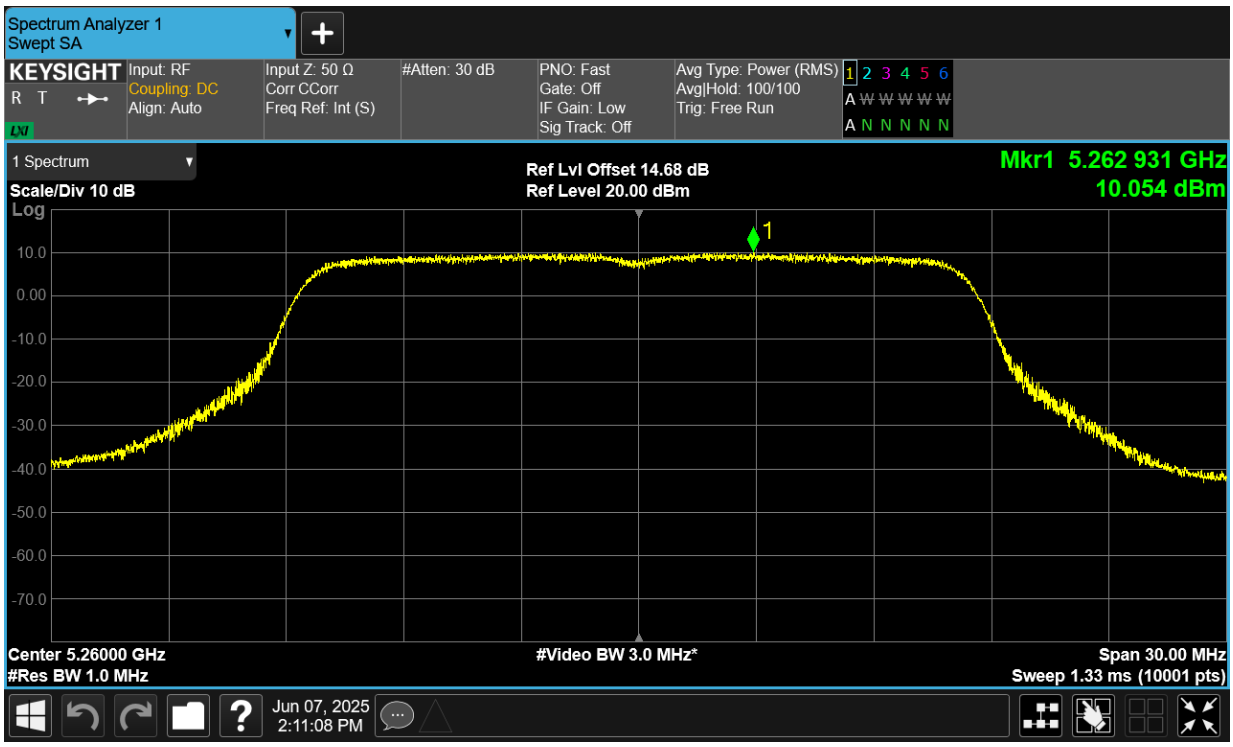
PSD NVNT a 5280MHz Ant3



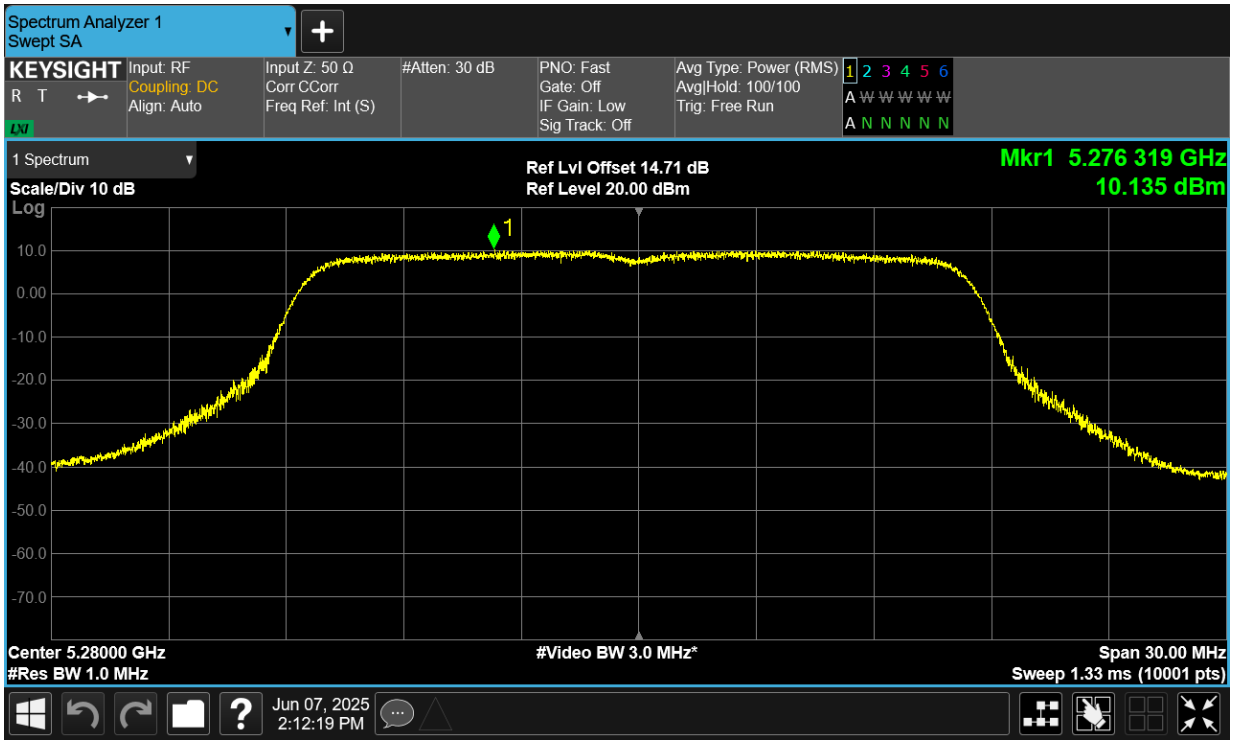
PSD NVNT a 5320MHz Ant3



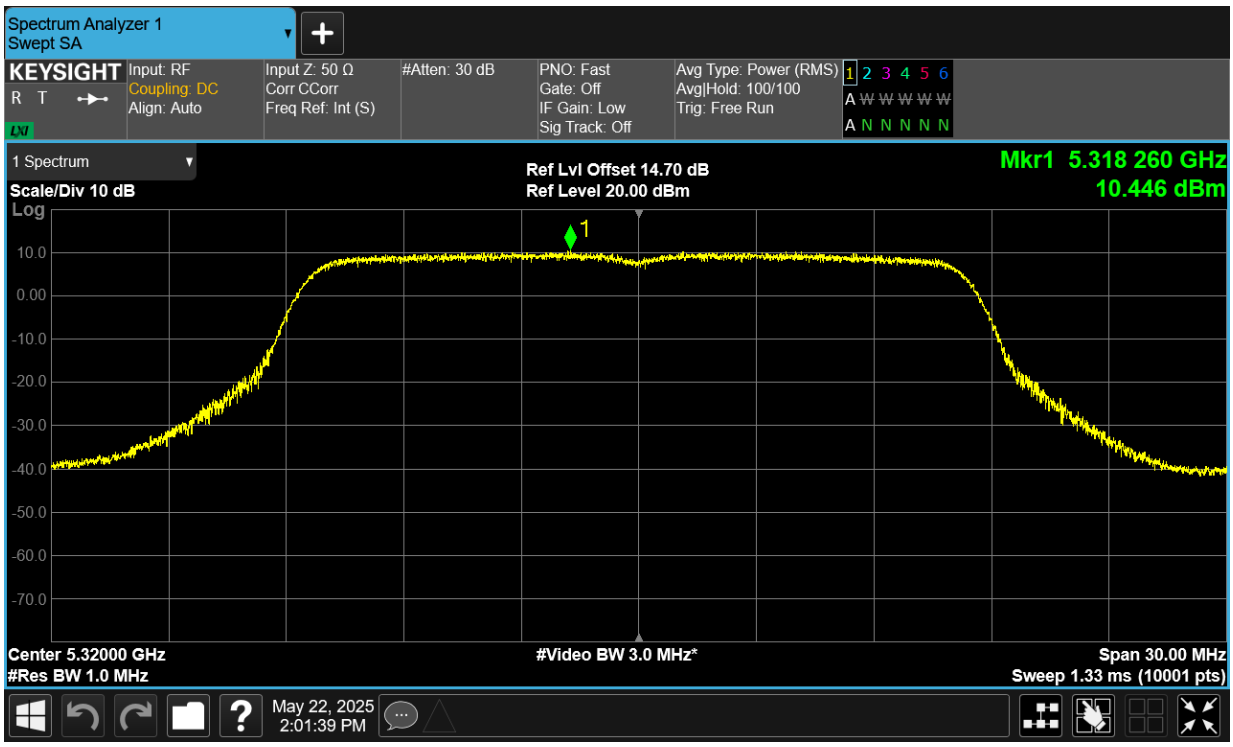
PSD NVNT a 5260MHz Ant4



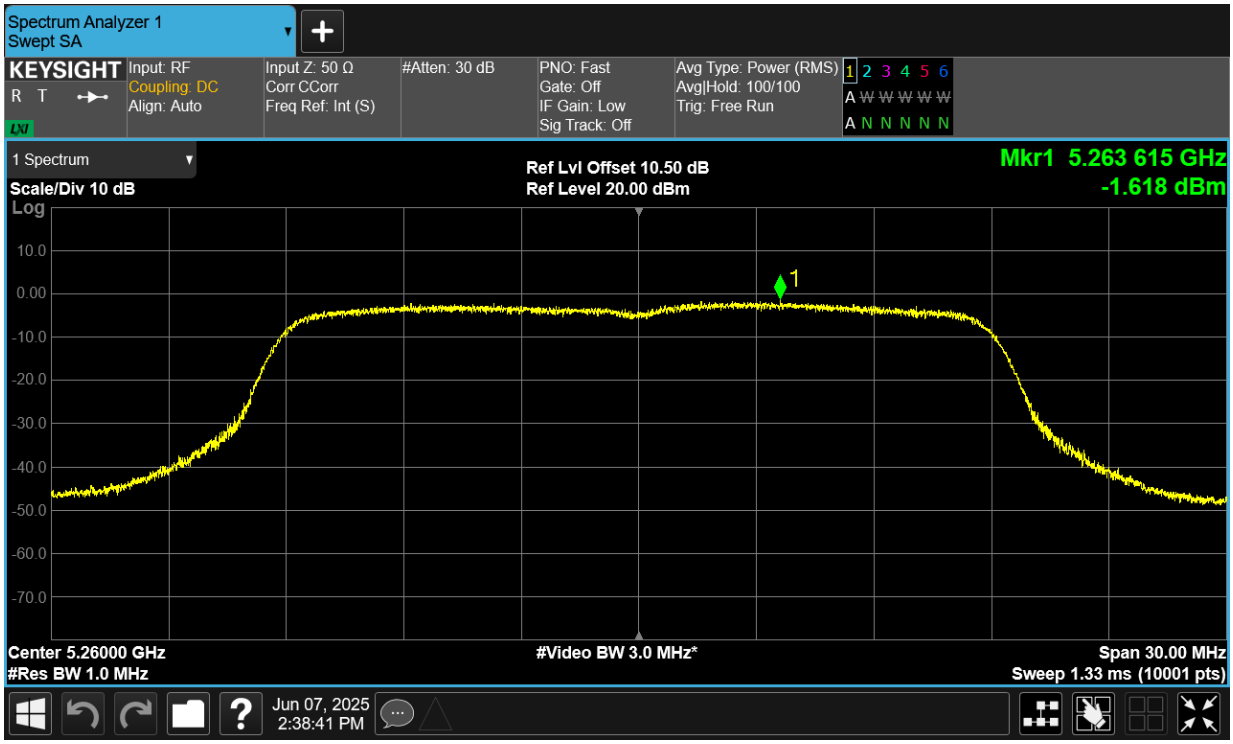
PSD NVNT a 5280MHz Ant4



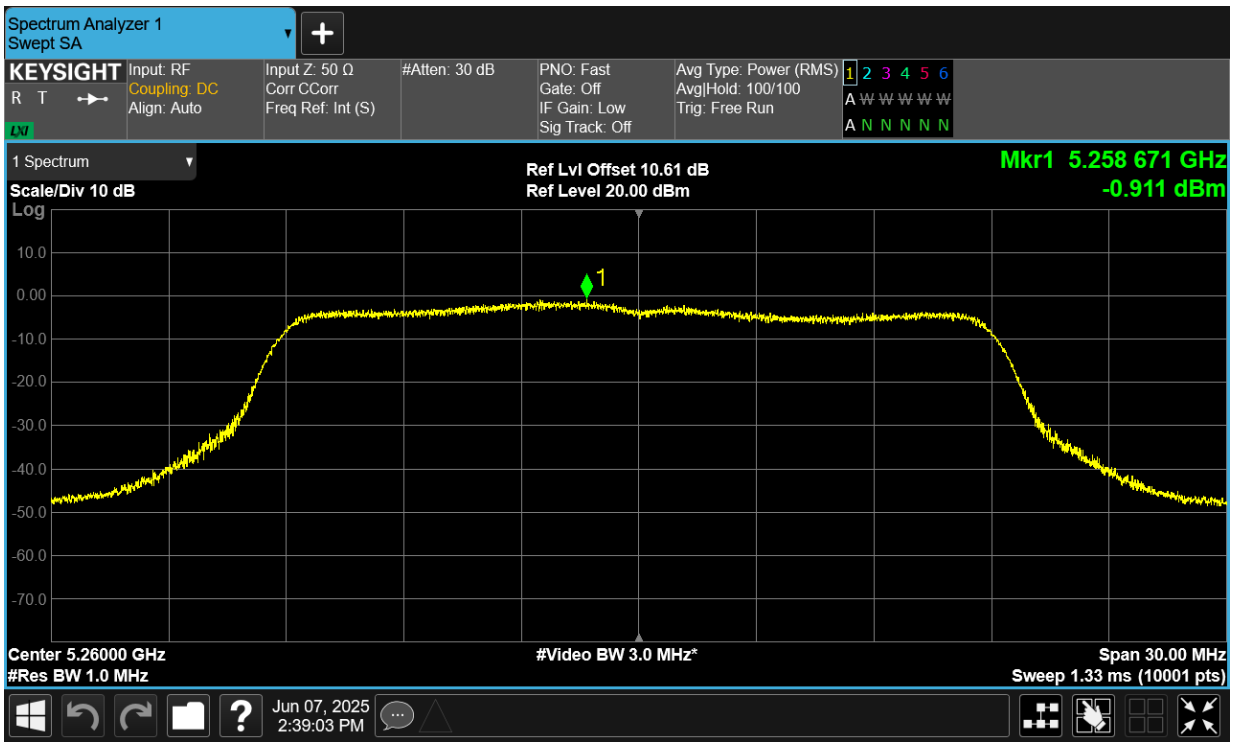
PSD NVNT a 5320MHz Ant4



PSD NVNT ac20 5260MHz Ant1

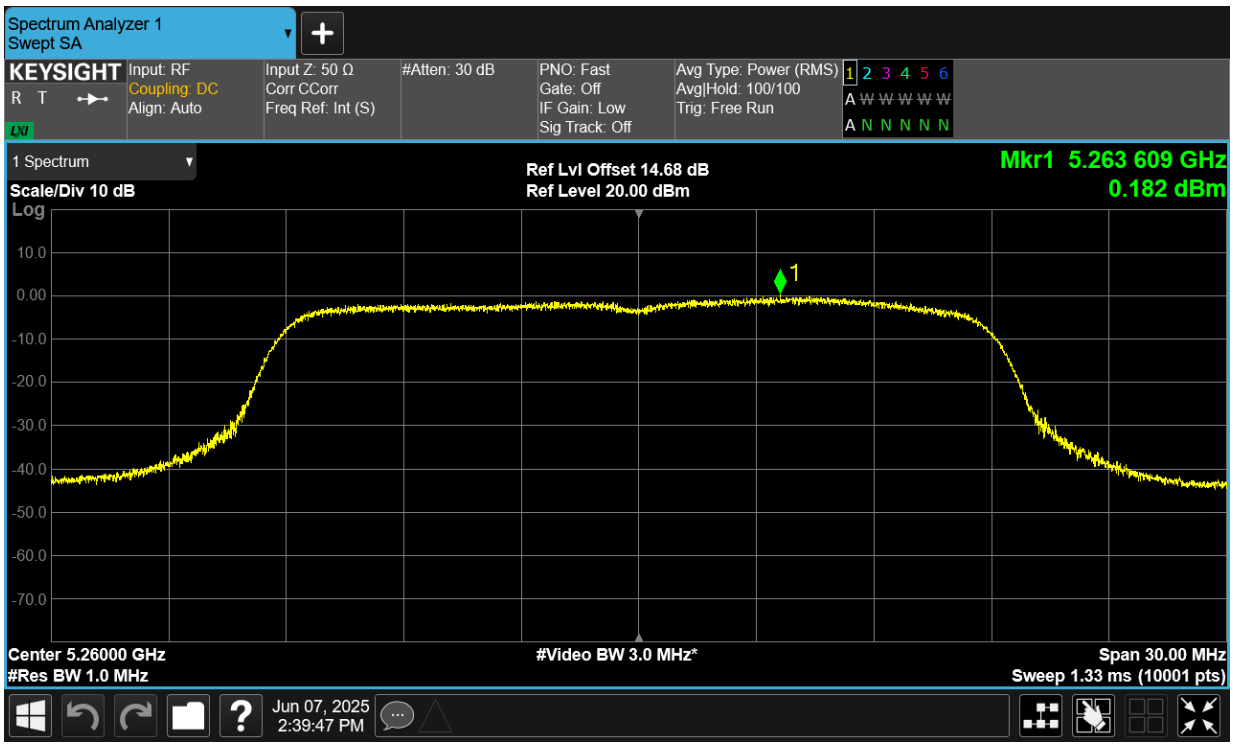


PSD NVNT ac20 5260MHz Ant2

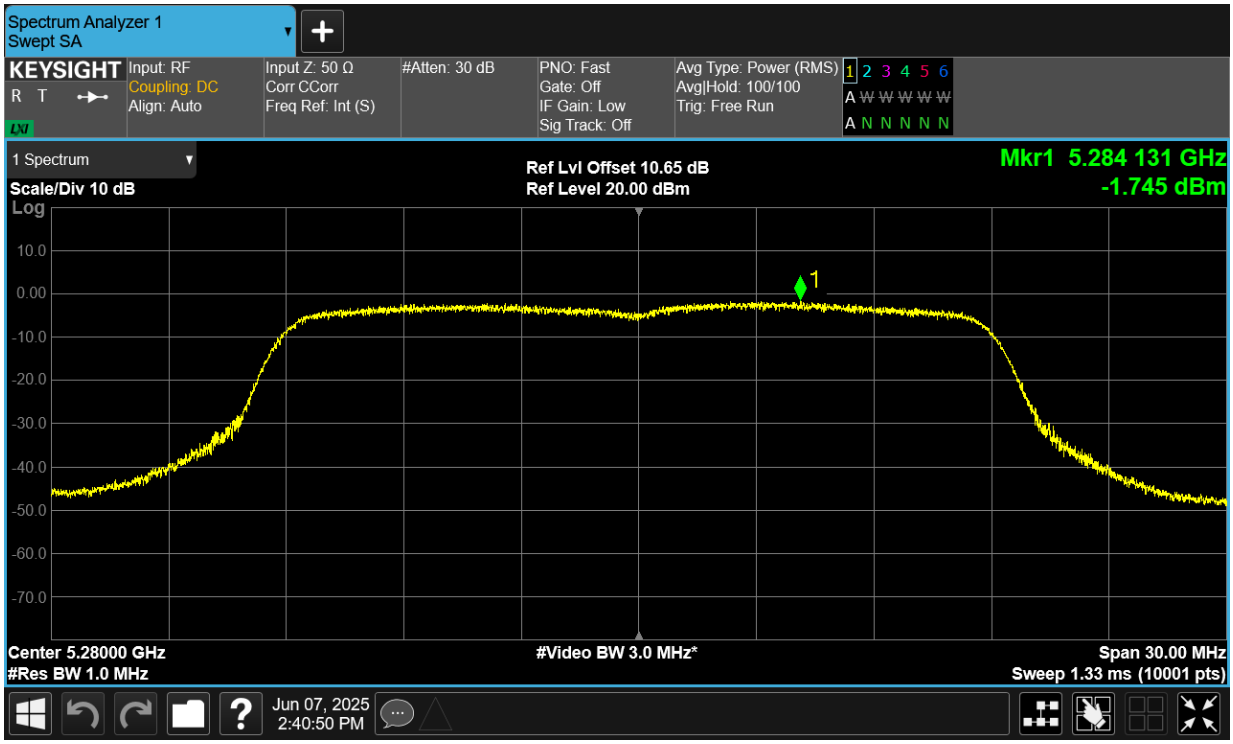


PSD NVNT ac20 5260MHz Ant3

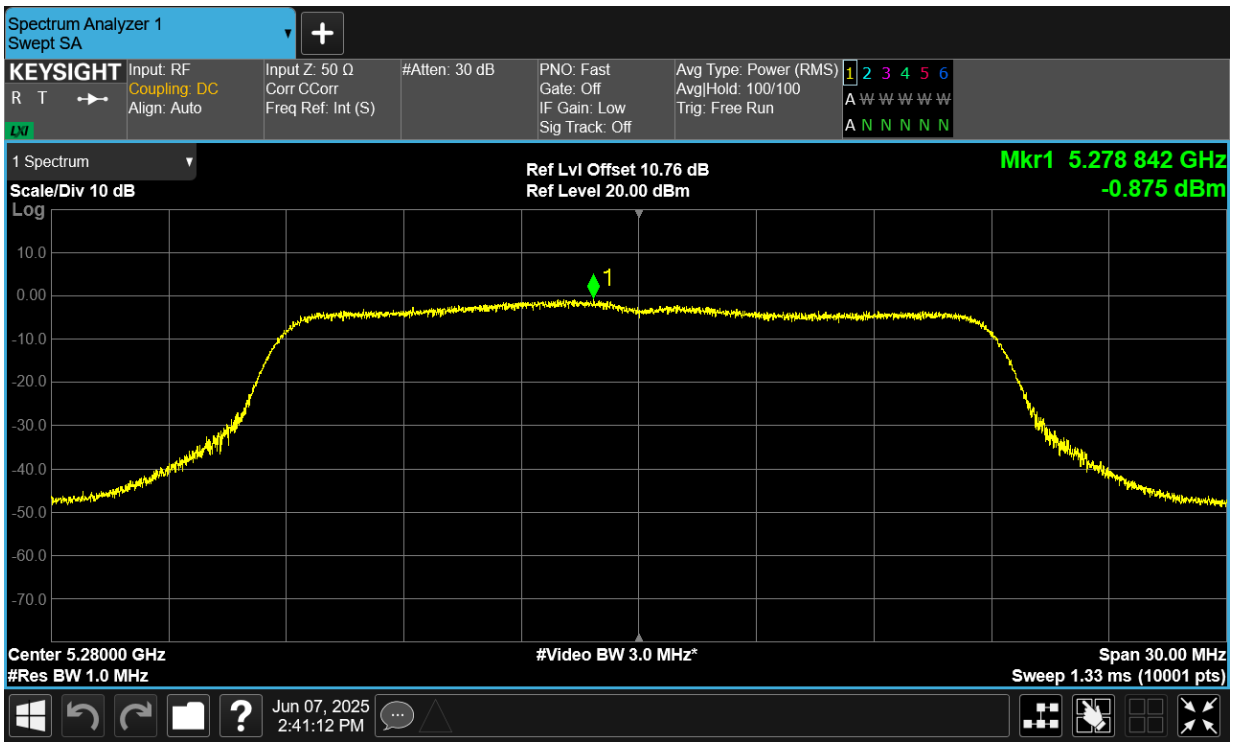
PSD NVNT ac20 5260MHz Ant4



PSD NVNT ac20 5280MHz Ant1

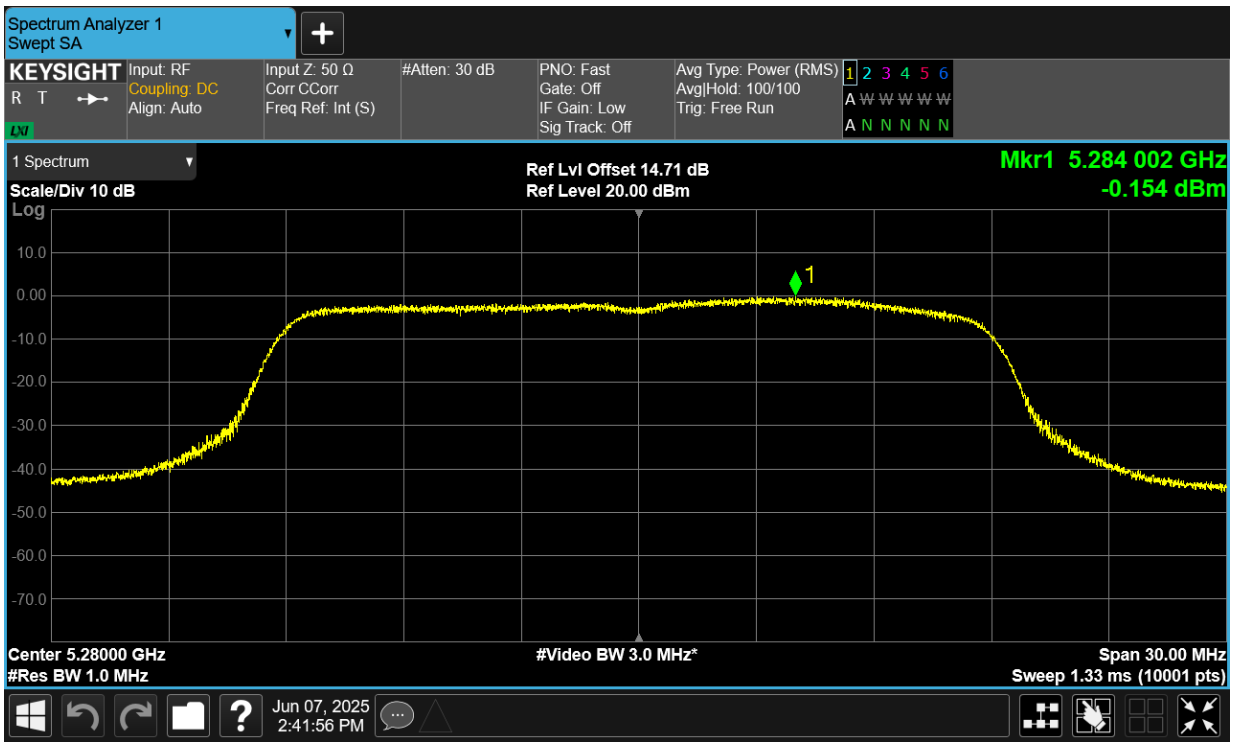


PSD NVNT ac20 5280MHz Ant2



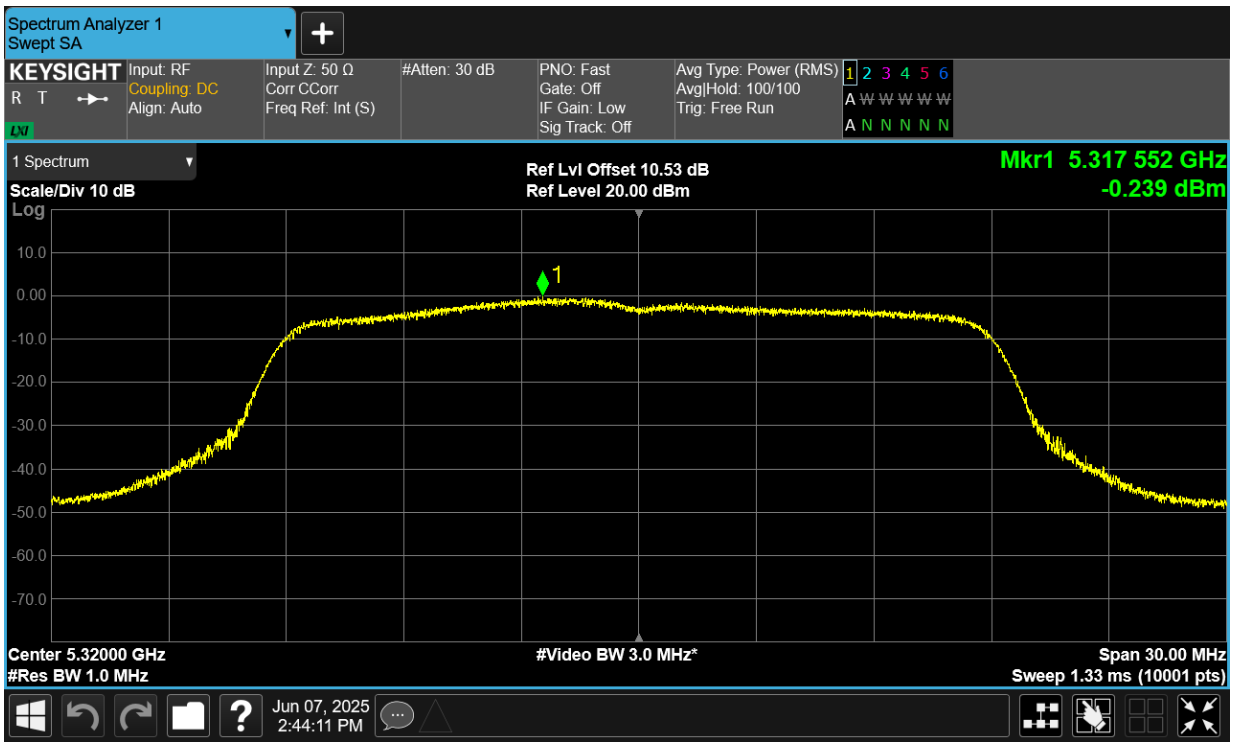
PSD NVNT ac20 5280MHz Ant3

PSD NVNT ac20 5280MHz Ant4

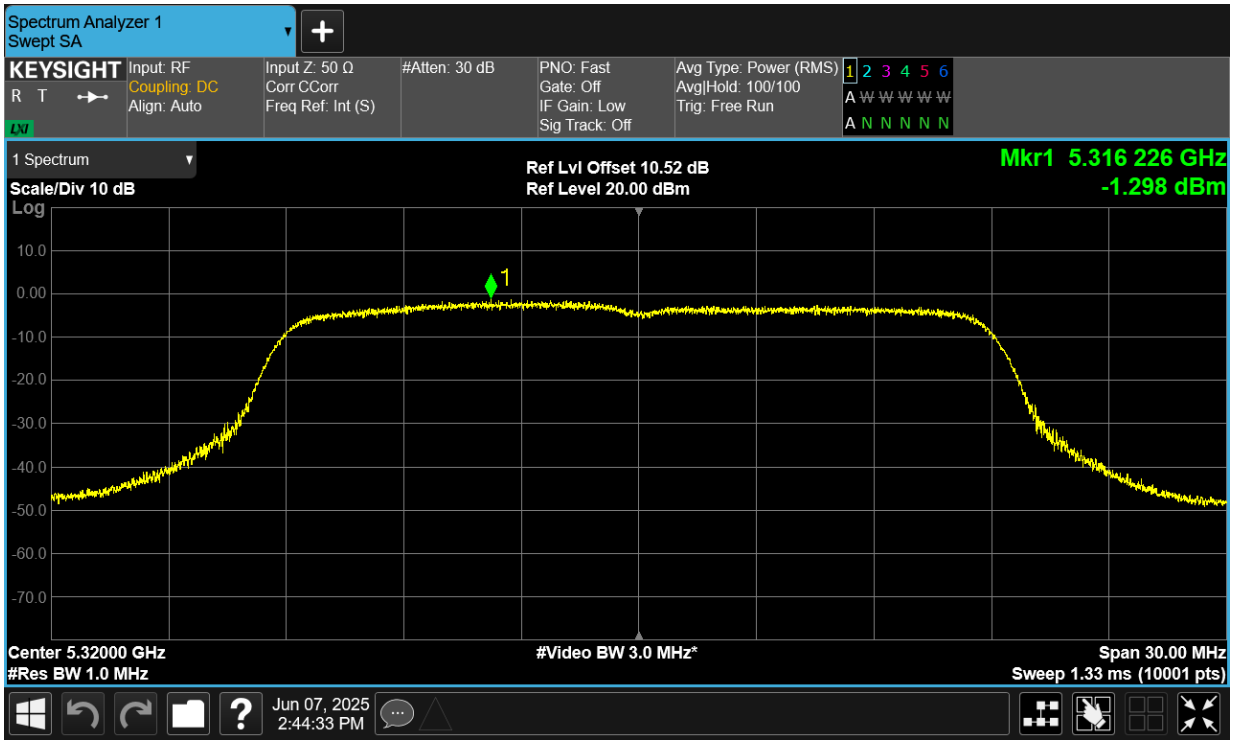


PSD NVNT ac20 5320MHz Ant1

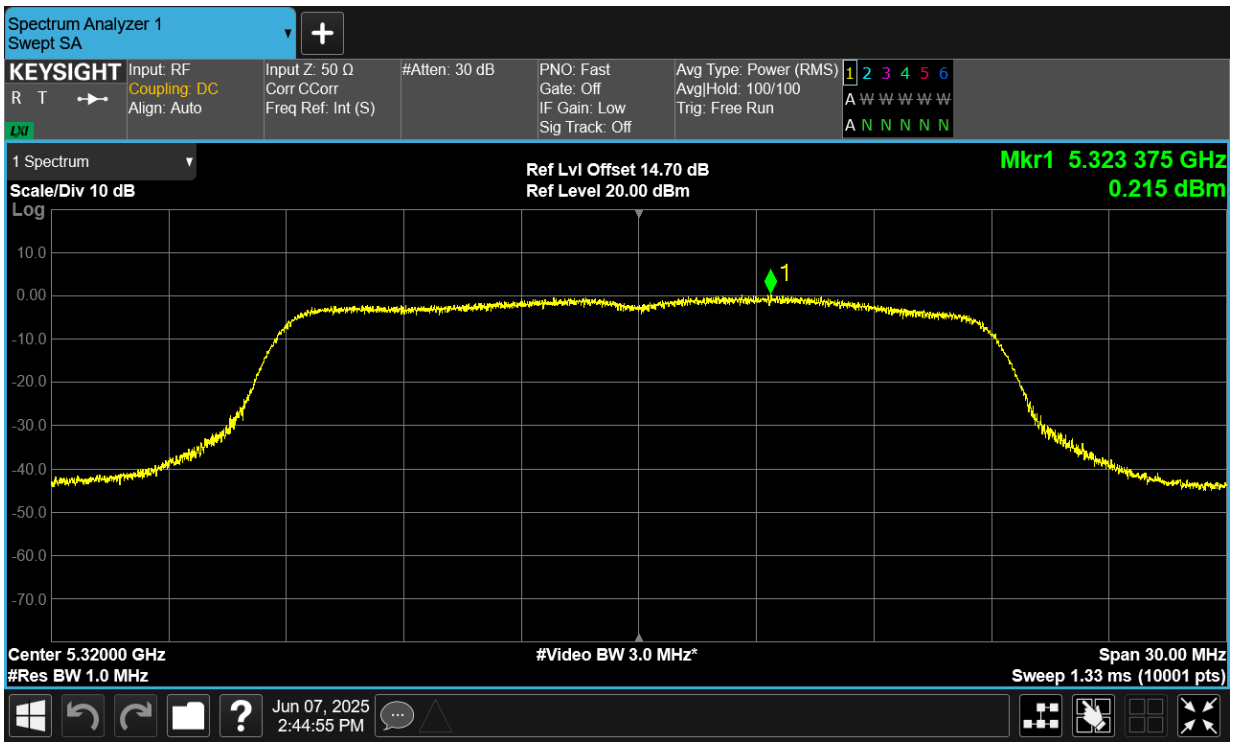
PSD NVNT ac20 5320MHz Ant2



PSD NVNT ac20 5320MHz Ant3



PSD NVNT ac20 5320MHz Ant4



PSD NVNT ac40 5270MHz Ant1