

STS2601368W06_Appendix WIFI 6E_U-NII-5/6/7/8

NVNT	ax40	5965	Ant B	-11.5	3.28	-8.22	-1	Pass
NVNT	ax40	6165	Ant B	-10.11	3.28	-6.83	-1	Pass
NVNT	ax40	6405	Ant B	-11.84	3.28	-8.56	-1	Pass
NVNT	ax40	6445	Ant B	-12.27	3.28	-8.99	-1	Pass
NVNT	ax40	6485	Ant B	-12.63	3.28	-9.35	-1	Pass
NVNT	ax40	6525	Ant B	-12.54	3.28	-9.26	-1	Pass
NVNT	ax40	6565	Ant B	-12.12	3.28	-8.84	-1	Pass
NVNT	ax40	6685	Ant B	-11.72	3.28	-8.44	-1	Pass
NVNT	ax40	6845	Ant B	-10.55	3.28	-7.27	-1	Pass
NVNT	ax40	6885	Ant B	-10.3	3.28	-7.02	-1	Pass
NVNT	ax40	6925	Ant B	-11.1	3.28	-7.82	-1	Pass
NVNT	ax40	6965	Ant B	-11.18	3.28	-7.9	-1	Pass
NVNT	ax40	7085	Ant B	-12.04	3.28	-8.76	-1	Pass
NVNT	ax80	5985	Ant A	-12.09	3.17	-8.92	-1	Pass
NVNT	ax80	6145	Ant A	-13.2	3.17	-10.03	-1	Pass
NVNT	ax80	6385	Ant A	-12.44	3.17	-9.27	-1	Pass
NVNT	ax80	6465	Ant A	-12.47	3.17	-9.3	-1	Pass
NVNT	ax80	6545	Ant A	-12.05	3.17	-8.88	-1	Pass
NVNT	ax80	6625	Ant A	-12.57	3.17	-9.4	-1	Pass
NVNT	ax80	6705	Ant A	-11.28	3.17	-8.11	-1	Pass
NVNT	ax80	6785	Ant A	-11.19	3.17	-8.02	-1	Pass
NVNT	ax80	6865	Ant A	-11.19	3.17	-8.02	-1	Pass
NVNT	ax80	6945	Ant A	-11.41	3.17	-8.24	-1	Pass
NVNT	ax80	7025	Ant A	-13.25	3.17	-10.08	-1	Pass
NVNT	ax80	5985	Ant B	-12.56	3.28	-9.28	-1	Pass
NVNT	ax80	6145	Ant B	-12.6	3.28	-9.32	-1	Pass
NVNT	ax80	6385	Ant B	-12.95	3.28	-9.67	-1	Pass
NVNT	ax80	6465	Ant B	-12.37	3.28	-9.09	-1	Pass
NVNT	ax80	6545	Ant B	-12.4	3.28	-9.12	-1	Pass
NVNT	ax80	6625	Ant B	-11.26	3.28	-7.98	-1	Pass
NVNT	ax80	6705	Ant B	-11.38	3.28	-8.1	-1	Pass
NVNT	ax80	6785	Ant B	-11.51	3.28	-8.23	-1	Pass
NVNT	ax80	6865	Ant B	-10.06	3.28	-6.78	-1	Pass
NVNT	ax80	6945	Ant B	-11.14	3.28	-7.86	-1	Pass
NVNT	ax80	7025	Ant B	-11.17	3.28	-7.89	-1	Pass
NVNT	ax160	6025	Ant A	-15.81	3.17	-12.64	-1	Pass
NVNT	ax160	6185	Ant A	-17.13	3.17	-13.96	-1	Pass
NVNT	ax160	6345	Ant A	-14.88	3.17	-11.71	-1	Pass
NVNT	ax160	6505	Ant A	-15.75	3.17	-12.58	-1	Pass
NVNT	ax160	6665	Ant A	-16.39	3.17	-13.22	-1	Pass
NVNT	ax160	6825	Ant A	-15.73	3.17	-12.56	-1	Pass
NVNT	ax160	6985	Ant A	-15.32	3.17	-12.15	-1	Pass
NVNT	ax160	6025	Ant B	-11.82	3.28	-8.54	-1	Pass
NVNT	ax160	6185	Ant B	-12.69	3.28	-9.41	-1	Pass

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NVNT	ax160	6345	Ant B	-11.88	3.28	-8.6	-1	Pass
NVNT	ax160	6505	Ant B	-11.54	3.28	-8.26	-1	Pass
NVNT	ax160	6665	Ant B	-12.06	3.28	-8.78	-1	Pass
NVNT	ax160	6825	Ant B	-11.89	3.28	-8.61	-1	Pass
NVNT	ax160	6985	Ant B	-11.06	3.28	-7.78	-1	Pass

Condition	Mode	Frequency (MHz)	Ant A eirp PSD (dBm)	Ant B eirp PSD (dBm)	MIMO PSD (dBm)	Limit (dBm)	Verdict
NVNT	ax20	5955	-7.22	-7.77	-4.48	-1.28	Pass
NVNT	ax20	6175	-8.09	-6.56	-4.25	-1.28	Pass
NVNT	ax20	6415	-9.25	-10.14	-6.66	-1.28	Pass
NVNT	ax20	6435	-10.01	-9.32	-6.64	-1.28	Pass
NVNT	ax20	6475	-9.55	-8.12	-5.77	-1.28	Pass
NVNT	ax20	6515	-8.72	-8.83	-5.76	-1.28	Pass
NVNT	ax20	6535	-9.33	-9.78	-6.54	-1.28	Pass
NVNT	ax20	6695	-9.7	-7.99	-5.75	-1.28	Pass
NVNT	ax20	6855	-7.64	-7.1	-4.35	-1.28	Pass
NVNT	ax20	6875	-8.93	-7.57	-5.19	-1.28	Pass
NVNT	ax20	6895	-9.03	-7.49	-5.18	-1.28	Pass
NVNT	ax20	6995	-10.63	-8.25	-6.27	-1.28	Pass
NVNT	ax20	7115	-7.22	-9.03	-5.02	-1.28	Pass
NVNT	ax40	5965	-8.18	-8.22	-5.19	-1.28	Pass
NVNT	ax40	6165	-8.93	-6.83	-4.74	-1.28	Pass
NVNT	ax40	6405	-9.67	-8.56	-6.07	-1.28	Pass
NVNT	ax40	6445	-9.52	-8.99	-6.24	-1.28	Pass
NVNT	ax40	6485	-9.6	-9.35	-6.46	-1.28	Pass
NVNT	ax40	6525	-9.53	-9.26	-6.38	-1.28	Pass
NVNT	ax40	6565	-9.44	-8.84	-6.12	-1.28	Pass
NVNT	ax40	6685	-8.68	-8.44	-5.55	-1.28	Pass
NVNT	ax40	6845	-8.29	-7.27	-4.74	-1.28	Pass
NVNT	ax40	6885	-8.68	-7.02	-4.76	-1.28	Pass
NVNT	ax40	6925	-8.25	-7.82	-5.02	-1.28	Pass
NVNT	ax40	6965	-8.93	-7.9	-5.37	-1.28	Pass
NVNT	ax40	7085	-8.18	-8.76	-5.45	-1.28	Pass
NVNT	ax80	5985	-8.92	-9.28	-6.09	-1.28	Pass
NVNT	ax80	6145	-10.03	-9.32	-6.65	-1.28	Pass
NVNT	ax80	6385	-9.27	-9.67	-6.46	-1.28	Pass
NVNT	ax80	6465	-9.3	-9.09	-6.18	-1.28	Pass
NVNT	ax80	6545	-8.88	-9.12	-5.99	-1.28	Pass
NVNT	ax80	6625	-9.4	-7.98	-5.62	-1.28	Pass
NVNT	ax80	6705	-8.11	-8.1	-5.09	-1.28	Pass
NVNT	ax80	6785	-8.02	-8.23	-5.11	-1.28	Pass
NVNT	ax80	6865	-8.02	-6.78	-4.35	-1.28	Pass
NVNT	ax80	6945	-8.24	-7.86	-5.04	-1.28	Pass
NVNT	ax80	7025	-10.08	-7.89	-5.84	-1.28	Pass
NVNT	ax160	6025	-12.64	-7.77	-6.55	-1.28	Pass
NVNT	ax160	6185	-13.96	-6.56	-5.83	-1.28	Pass
NVNT	ax160	6345	-11.71	-10.14	-7.84	-1.28	Pass

NVNT	ax160	6505	-12.58	-9.32	-7.64	-1.28	Pass
NVNT	ax160	6665	-13.22	-8.12	-6.95	-1.28	Pass
NVNT	ax160	6825	-12.56	-8.83	-7.30	-1.28	Pass
NVNT	ax160	6985	-12.15	-9.78	-7.79	-1.28	Pass

Note:

Antenna A gain: 3.28 dBi, Antenna B gain: 3.17dBi

For power spectral density(PSD) measurements,

Array Gain= $10\log(\text{NANT}/\text{NSS})\text{dB}=10\log(2/1)=3.01\text{ dBi}$,

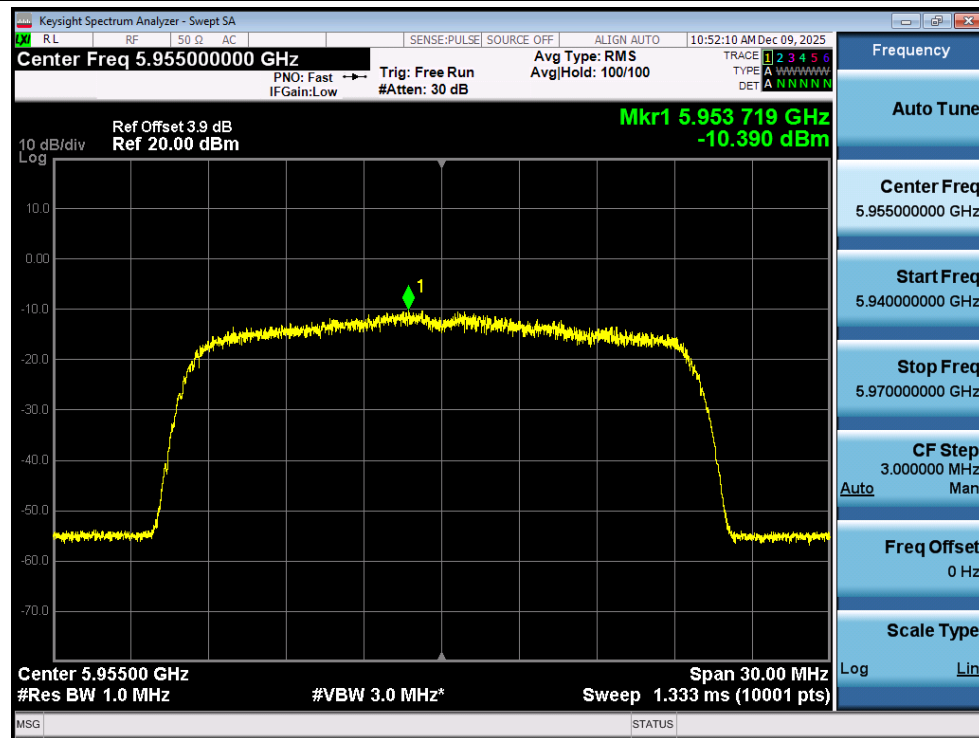
So the directional gain for PSD is 6.28 dBi >6dbi

Limit= $-1-(6.28-6)=-1.28\text{ dbm}$

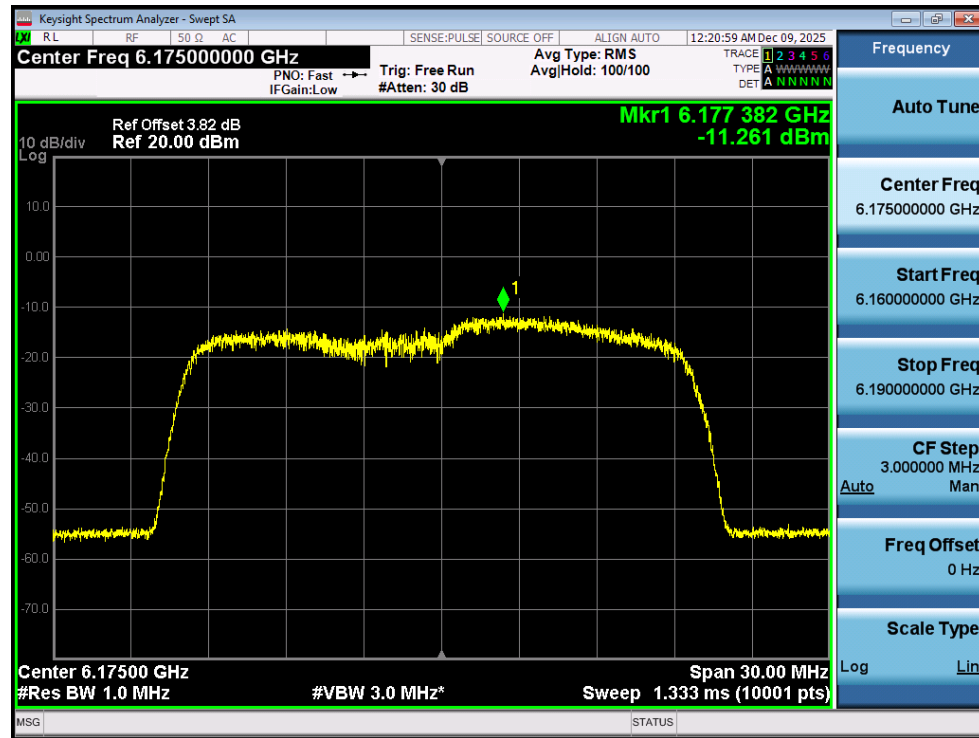
Directional gain may be calculated by using the formulas applicable to equal gain antennas with GANT set equal to the gain of the antenna having the highest gain.

Test Graphs

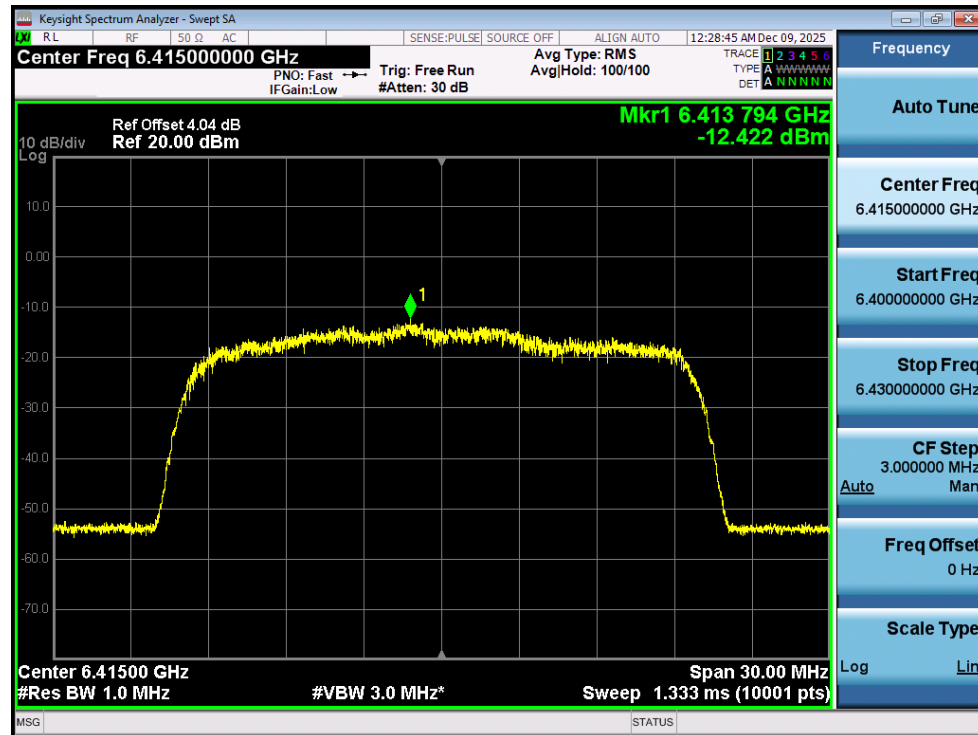
PSD NVNT ax20 5955MHz Ant A



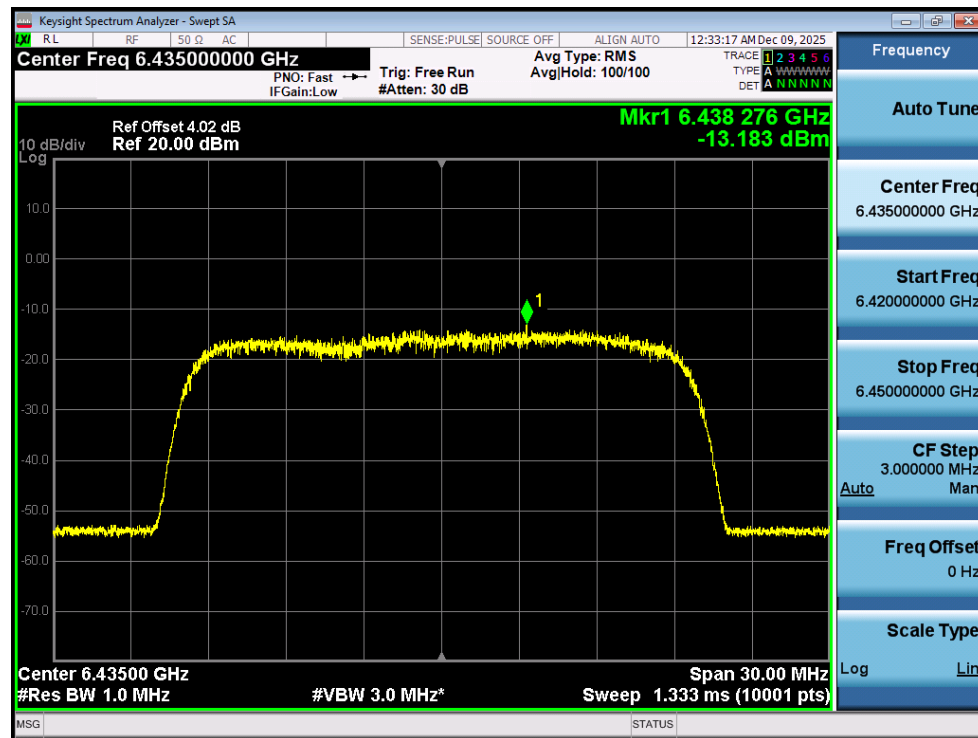
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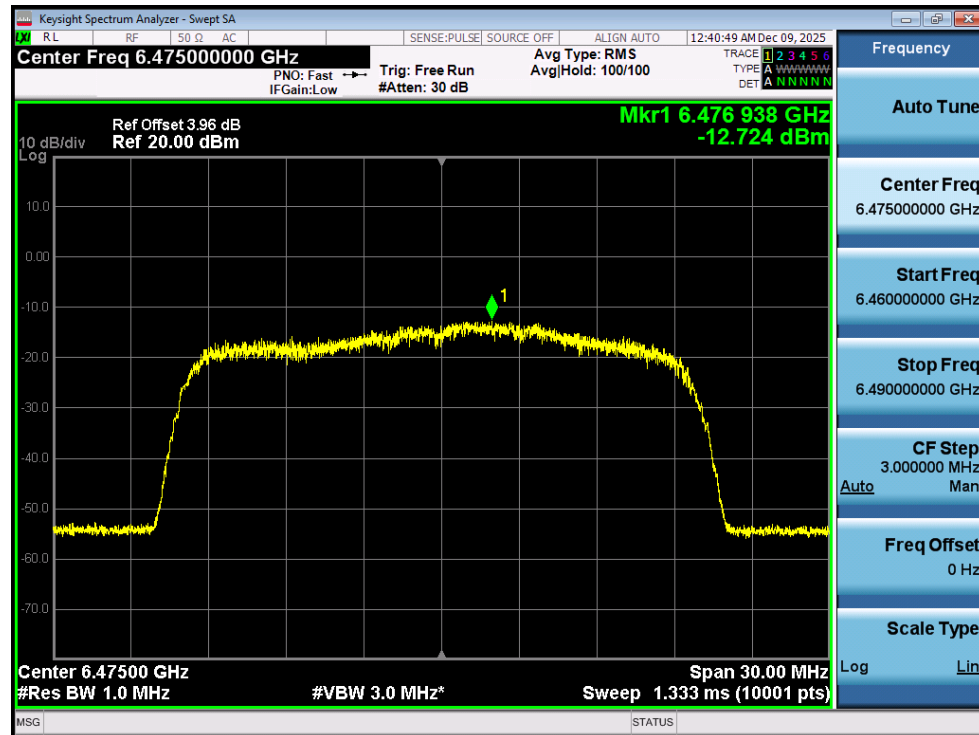
PSD NVNT ax20 6415MHz Ant A



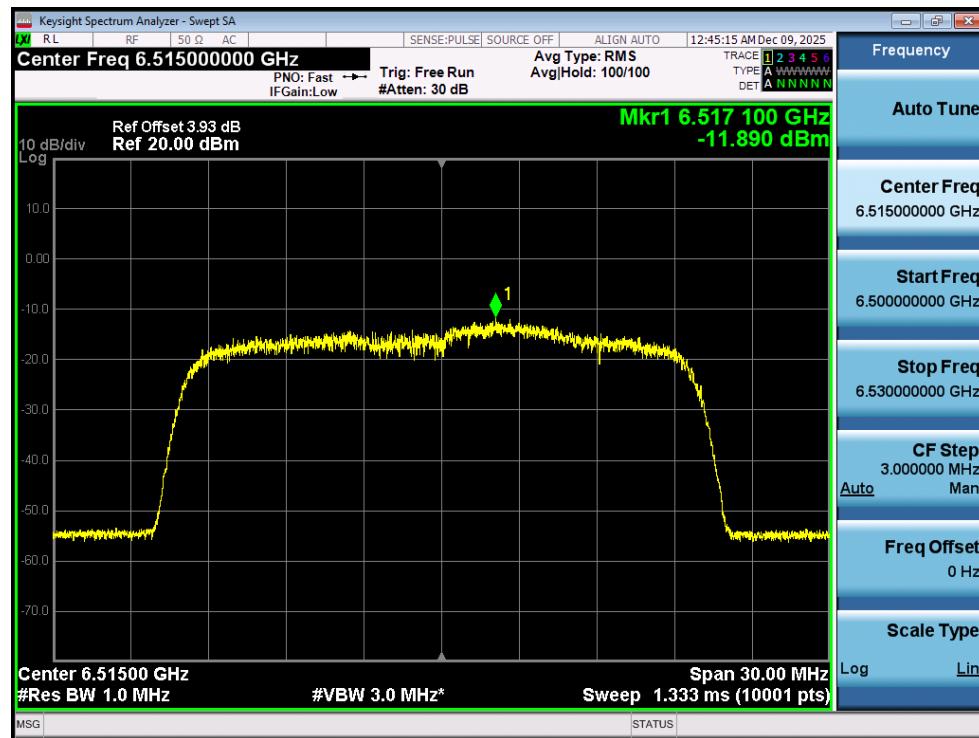
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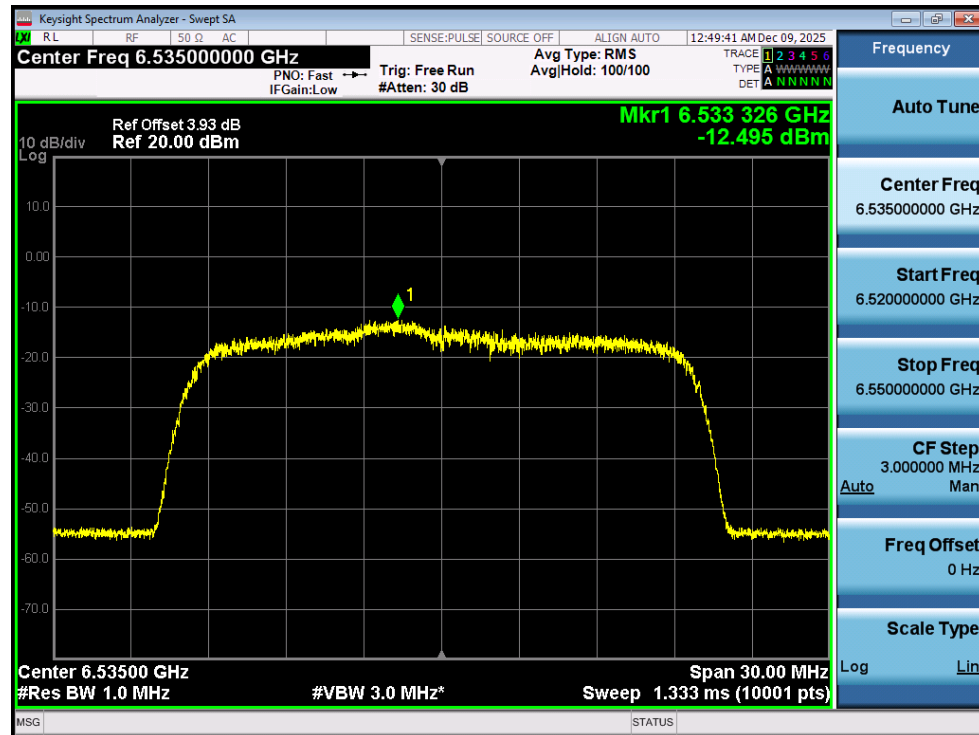
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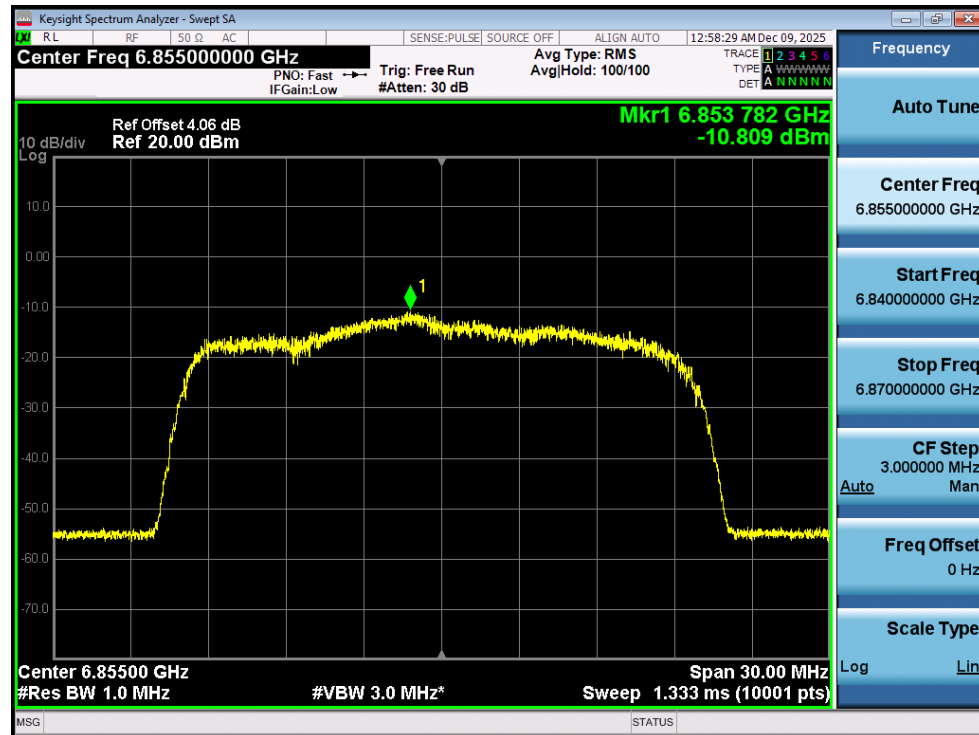
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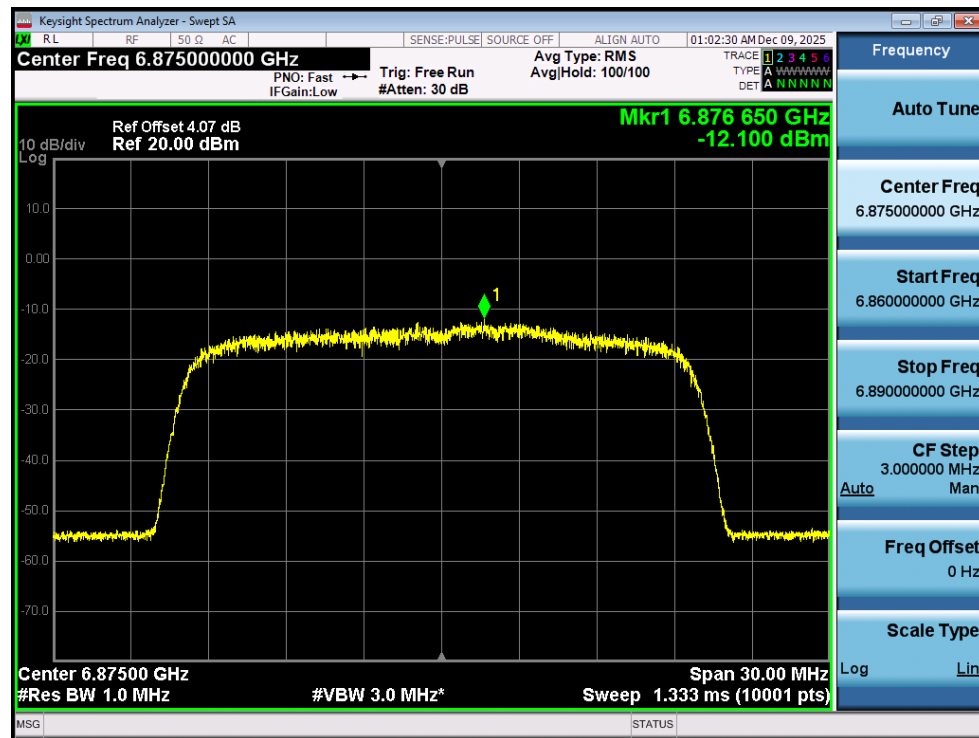
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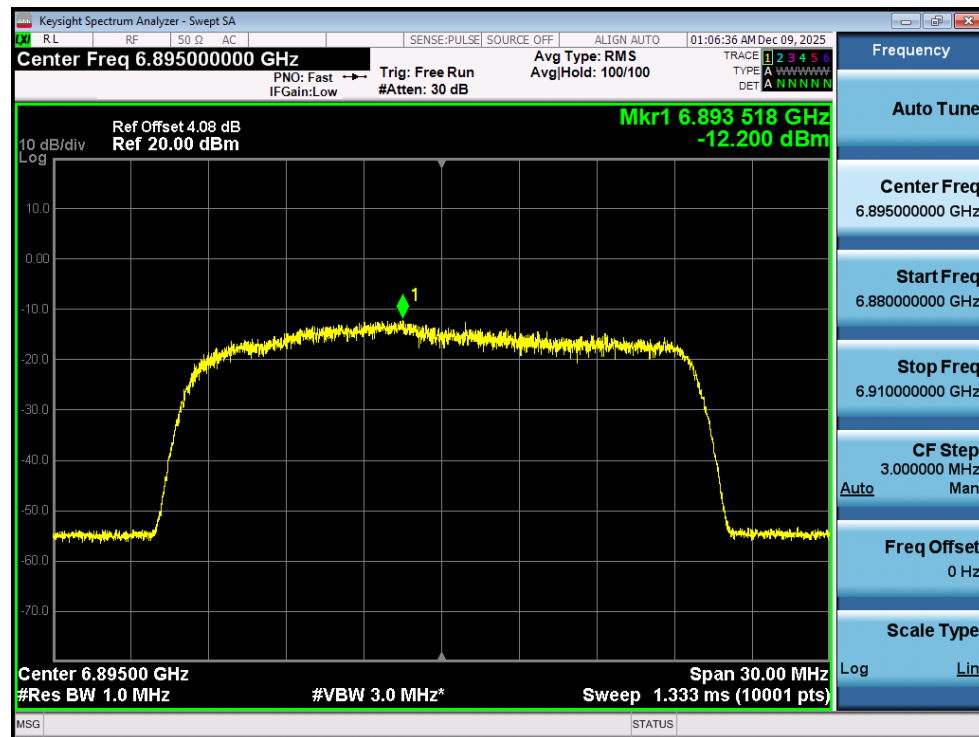
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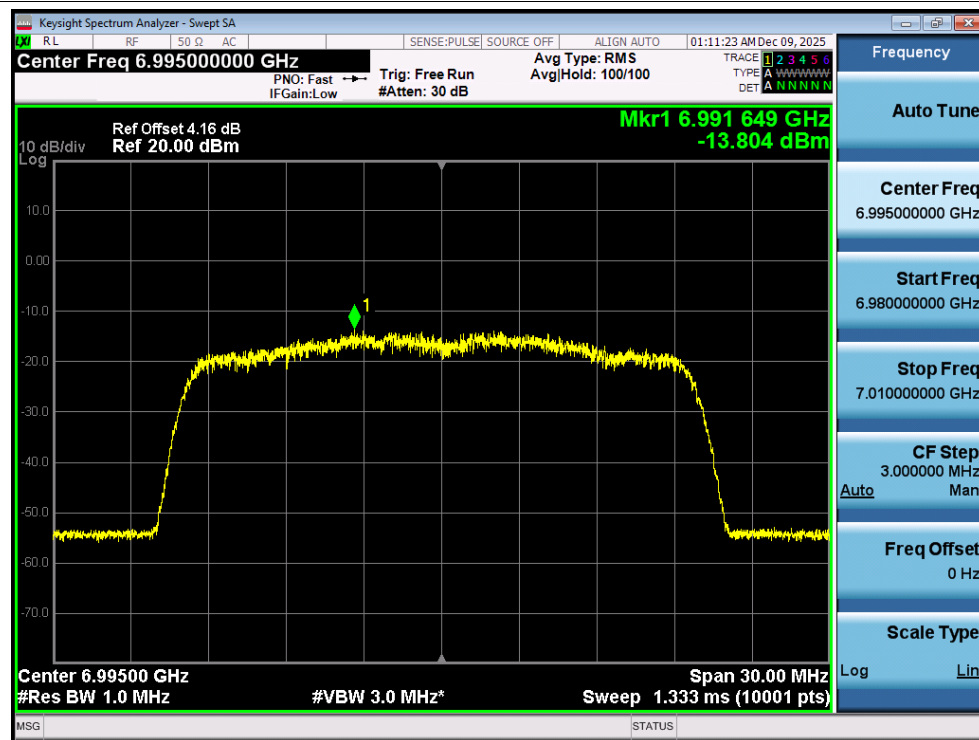
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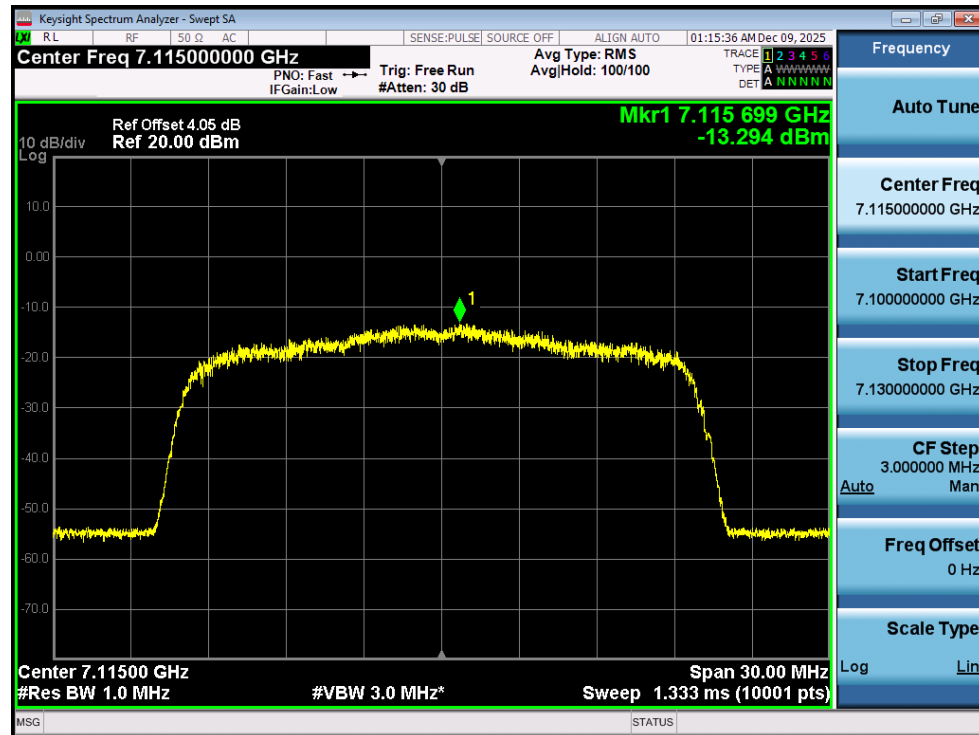
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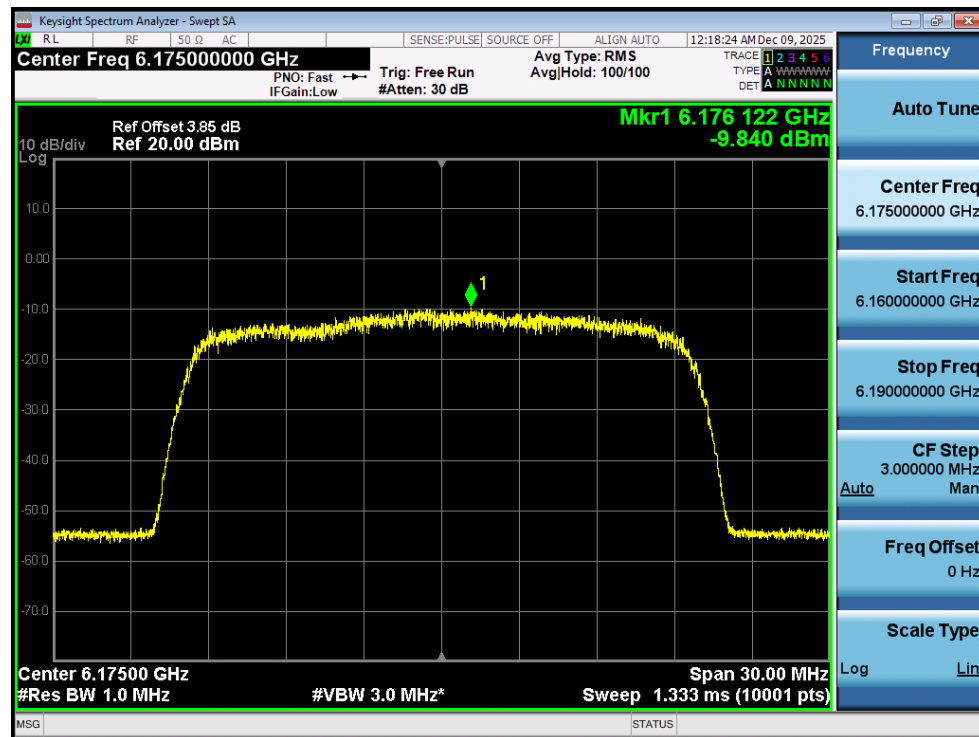
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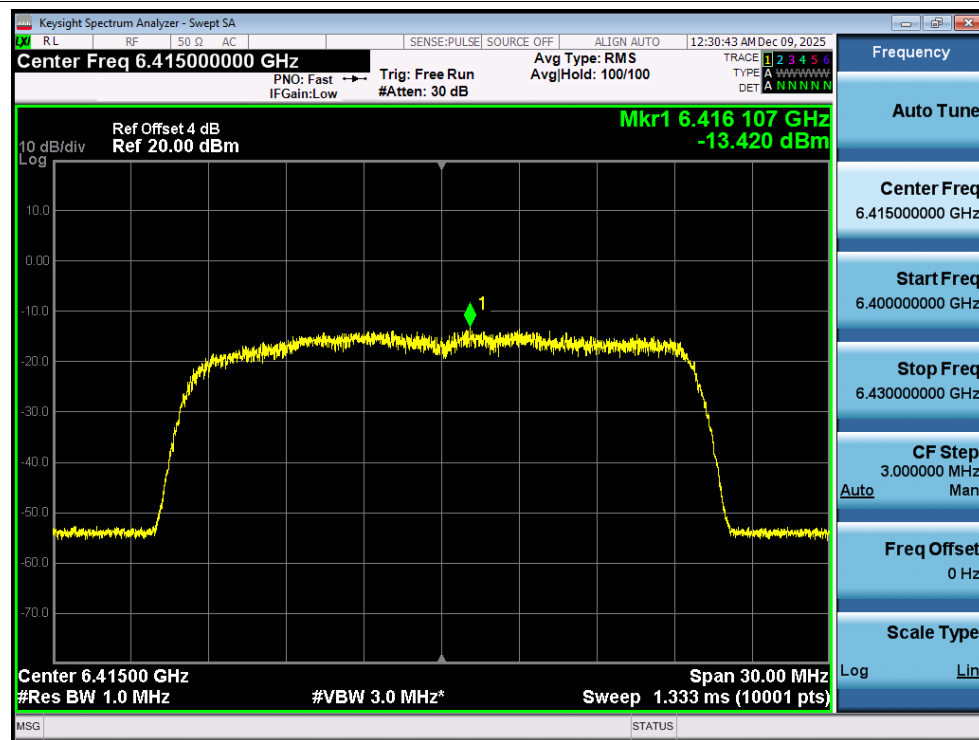
PSD NVNT ax20 5955MHz Ant B



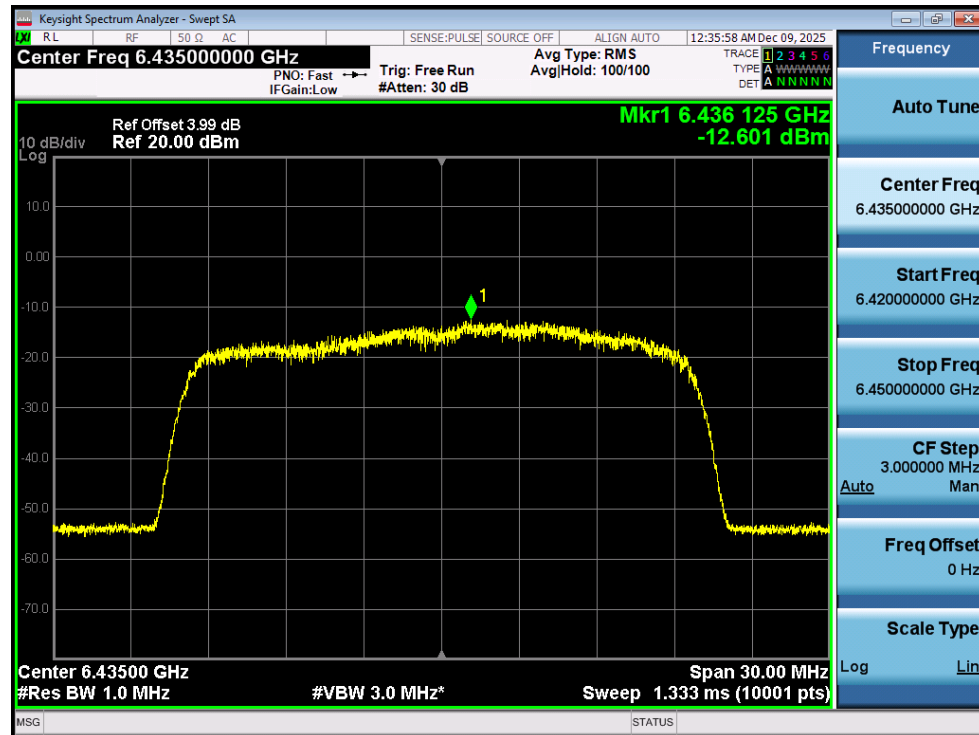
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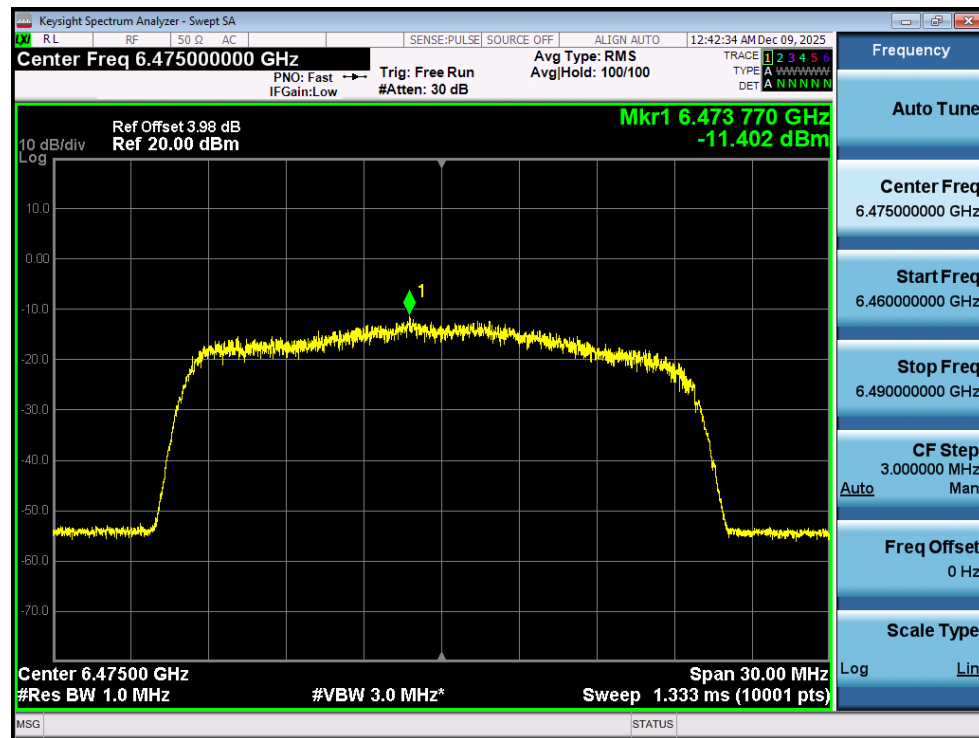
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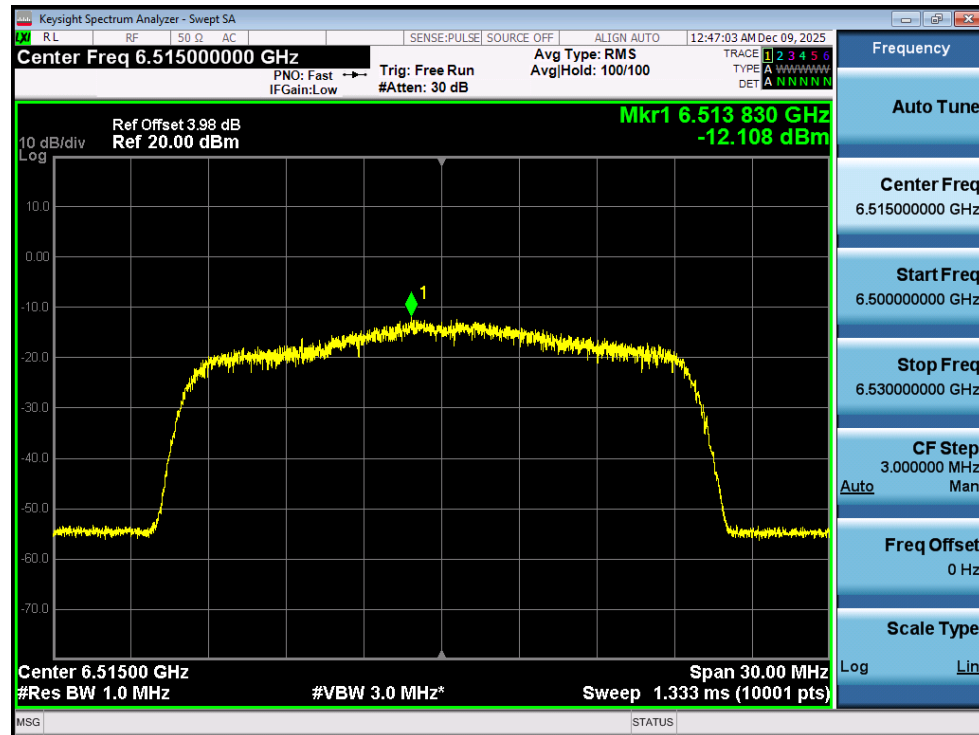
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PSD NVNT ax20 6475MHz Ant B



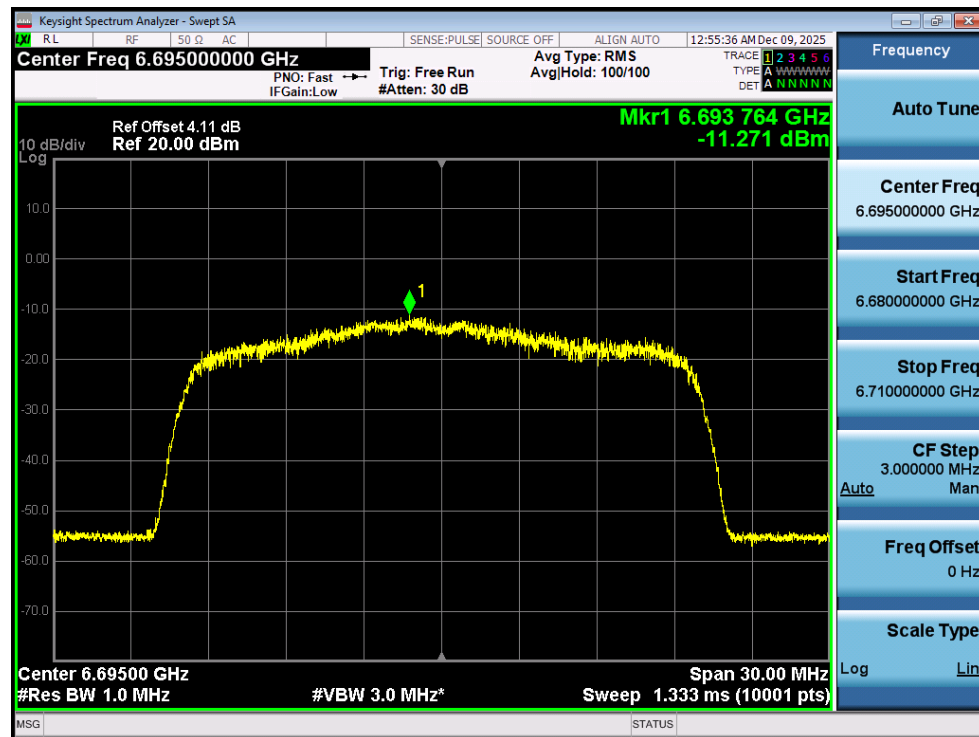
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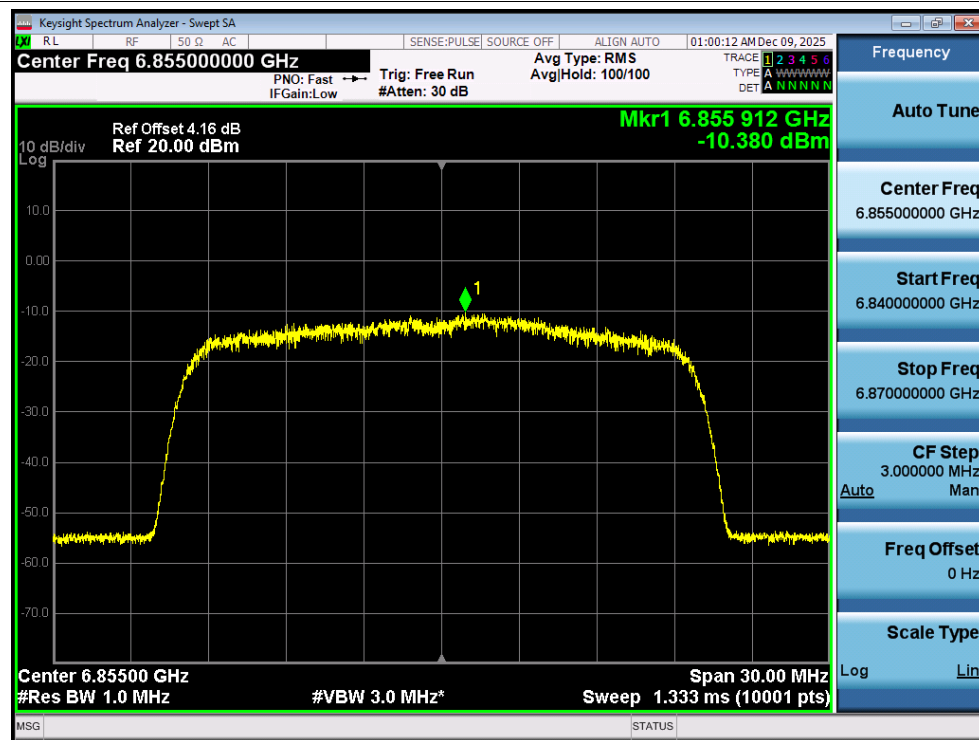
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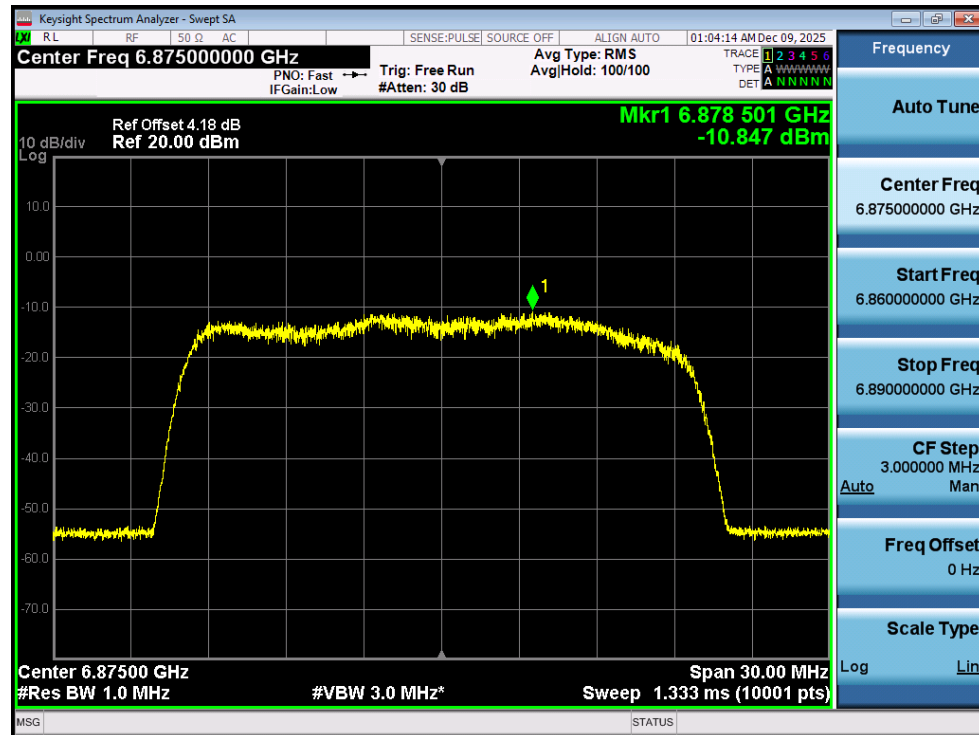
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PSD NVNT ax20 6855MHz Ant B



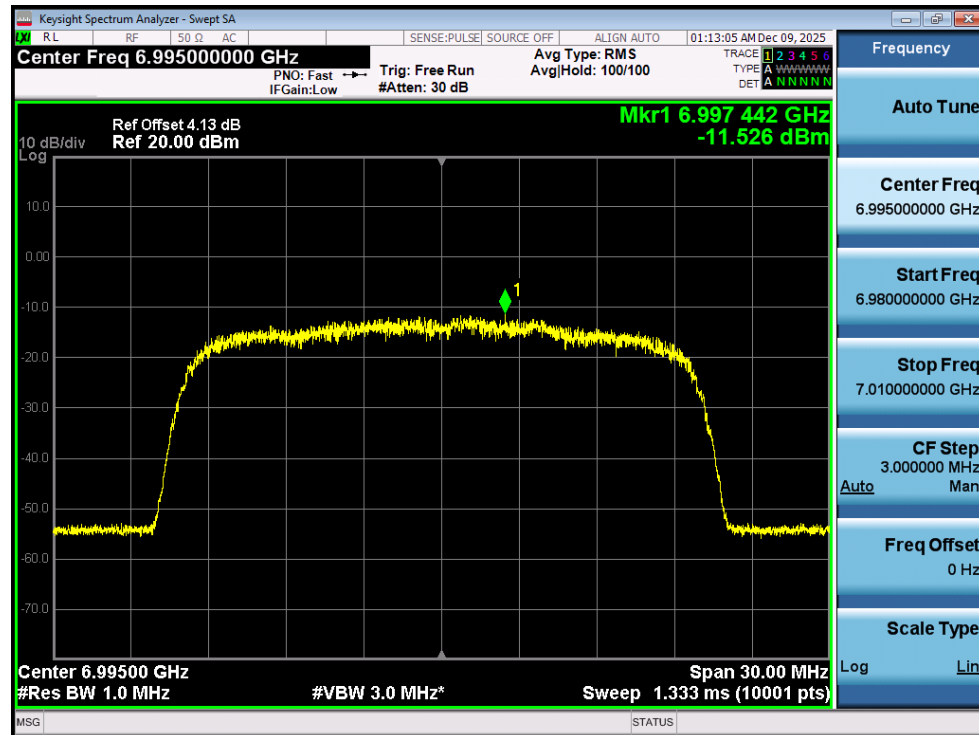
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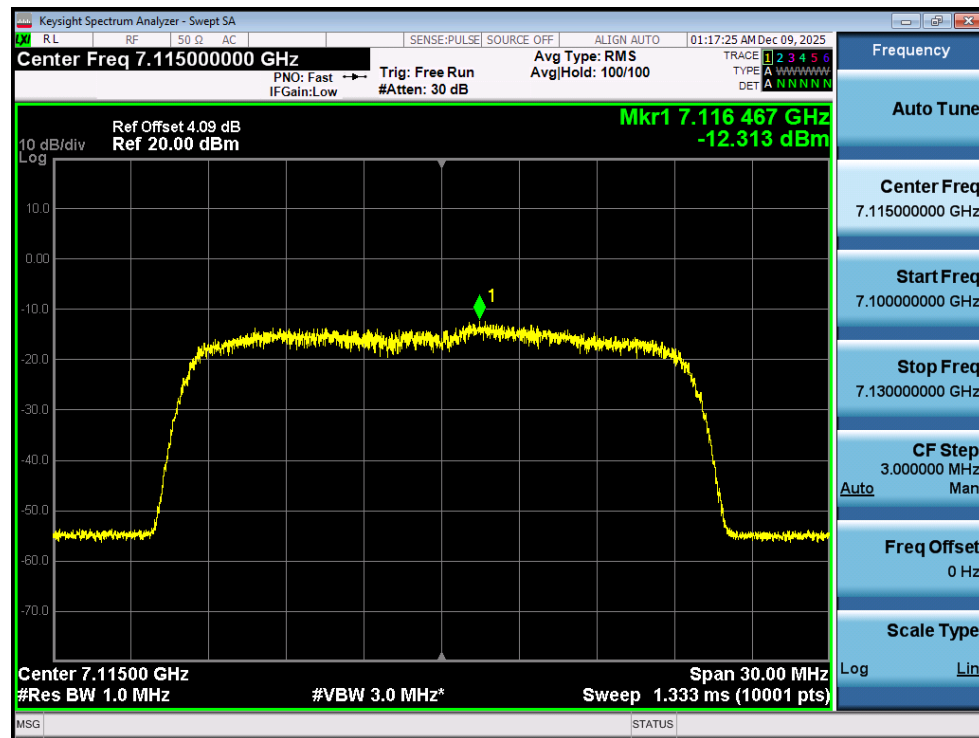
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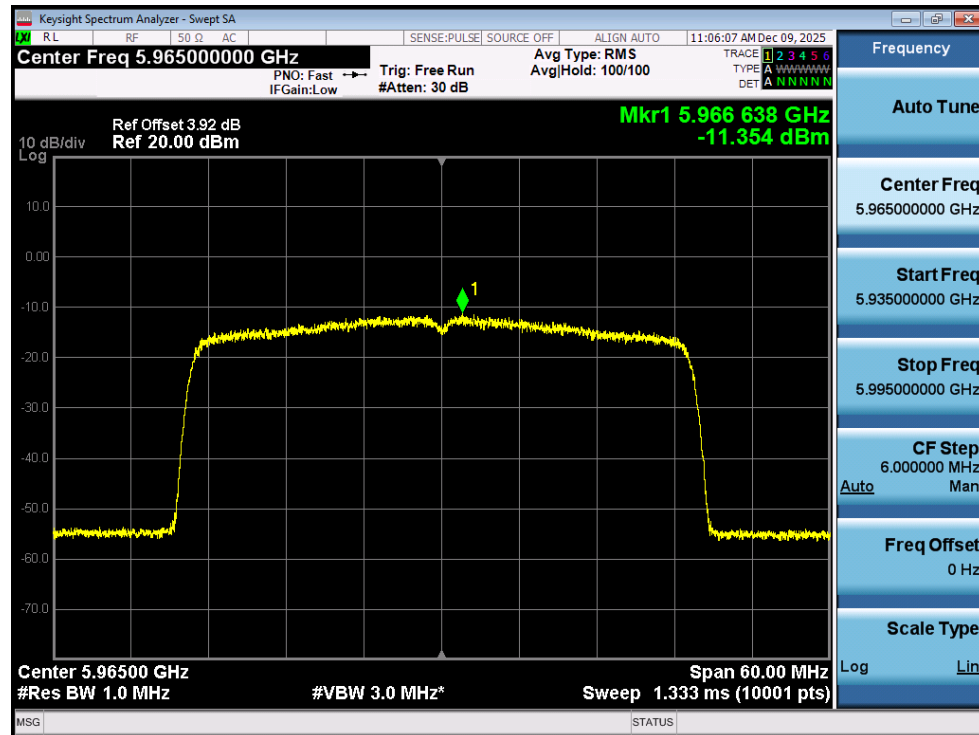
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PSD NVNT ax20 7115MHz Ant B



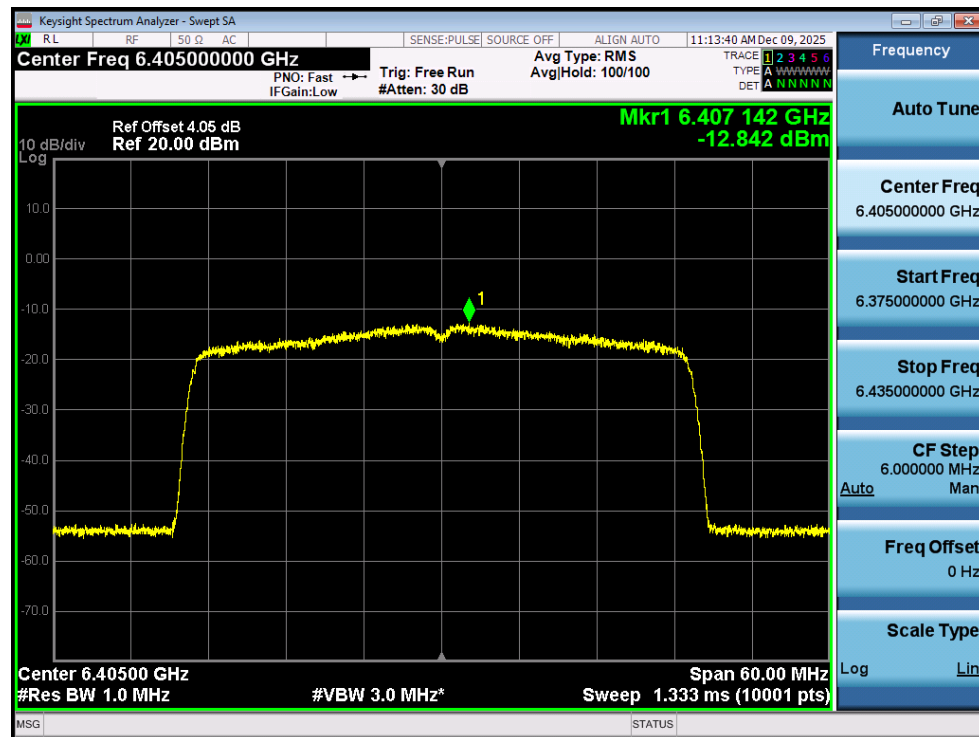
PSD NVNT ax40 5965MHz Ant A



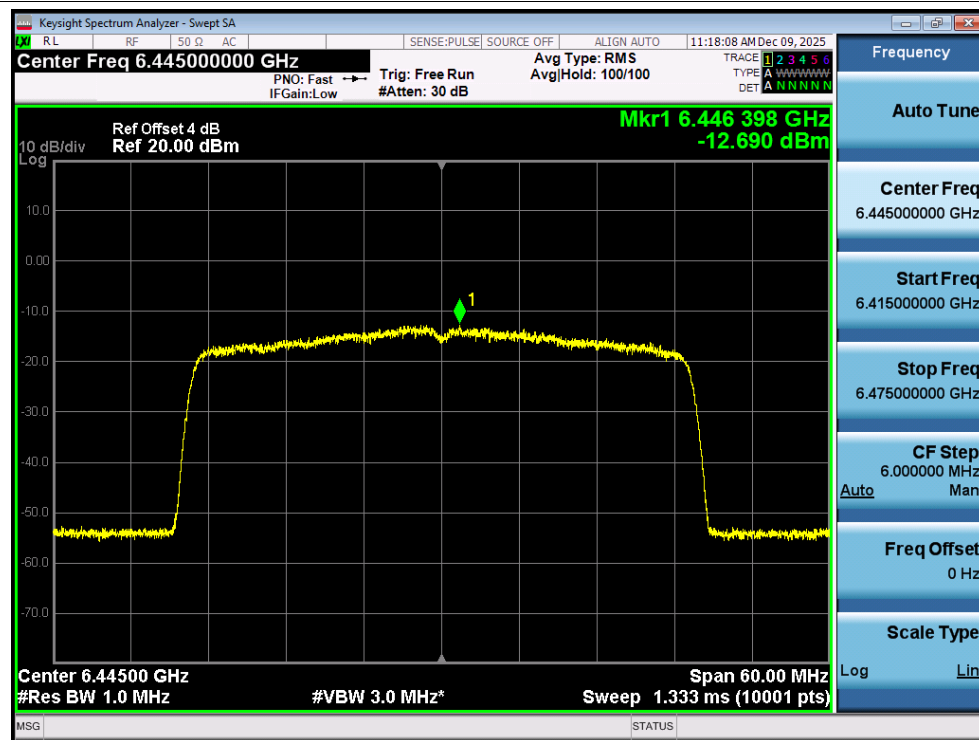
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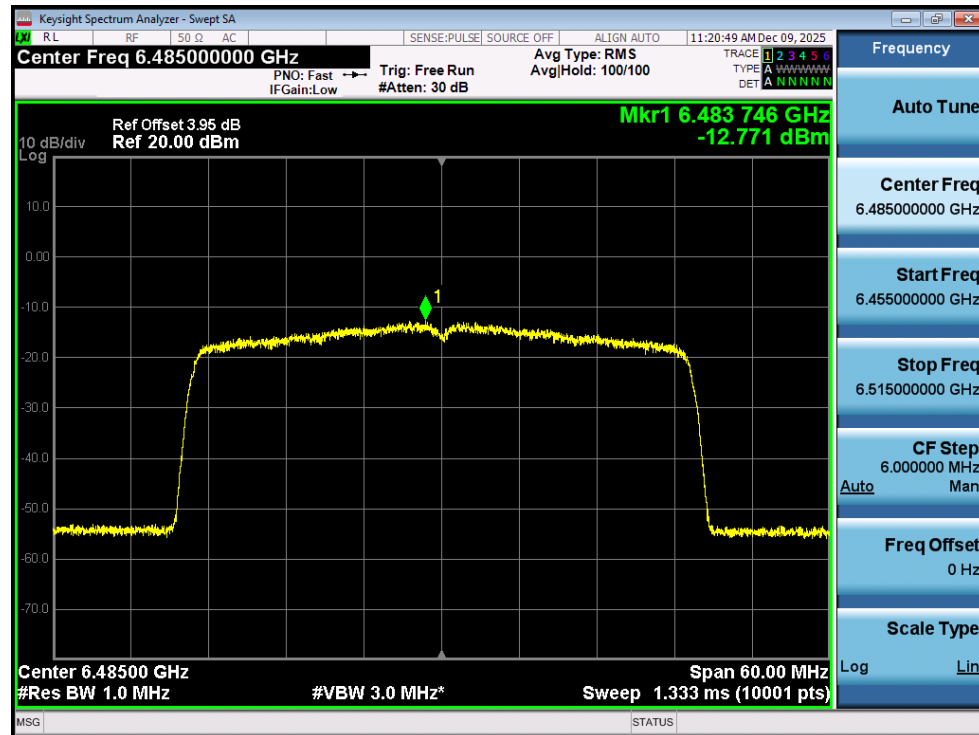
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PSD NVNT ax40 6445MHz Ant A



PSD NVNT ax40 6485MHz Ant A



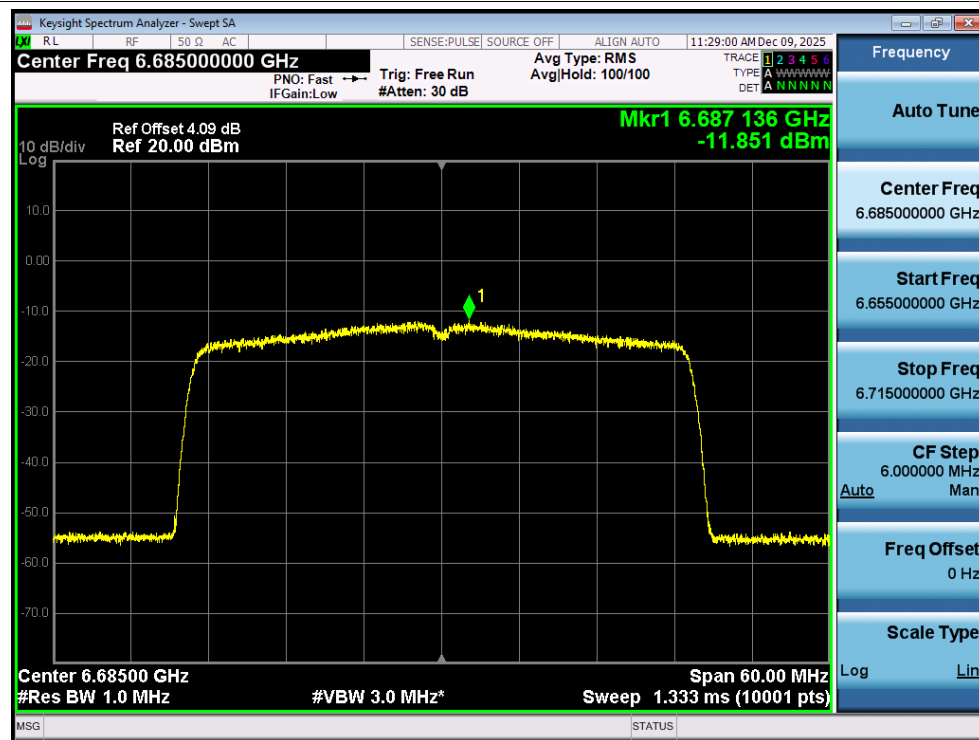
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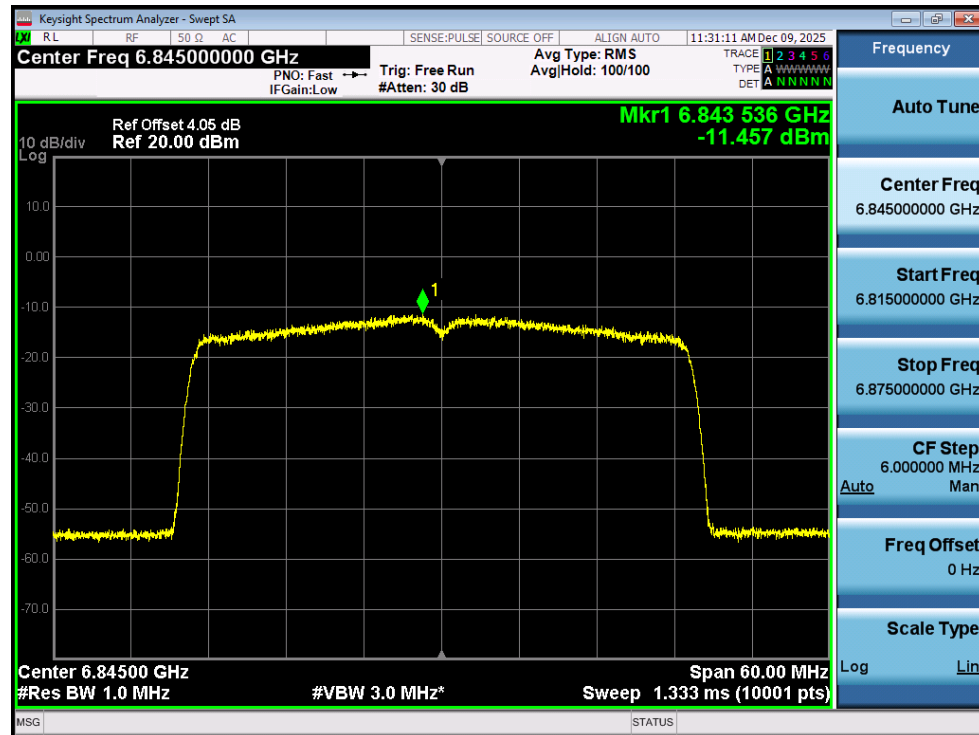
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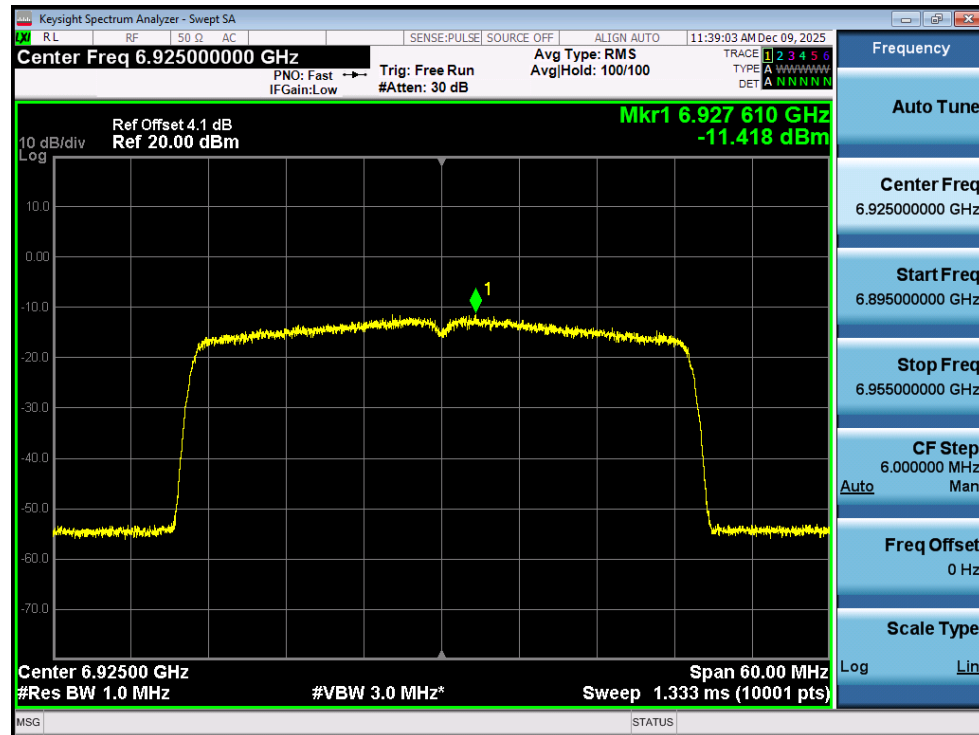
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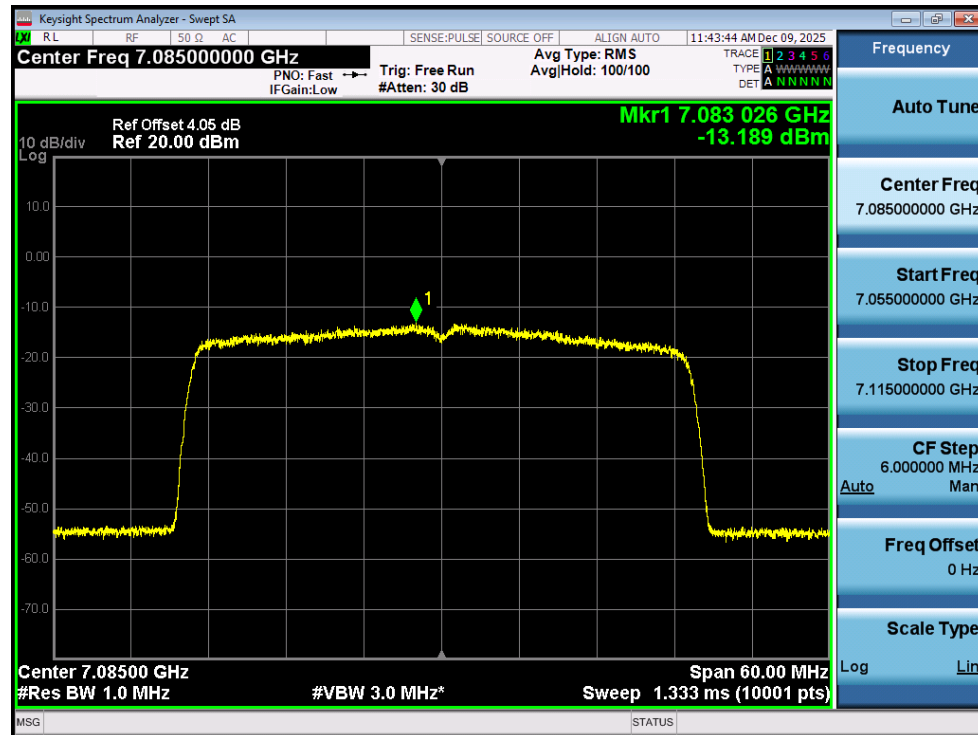
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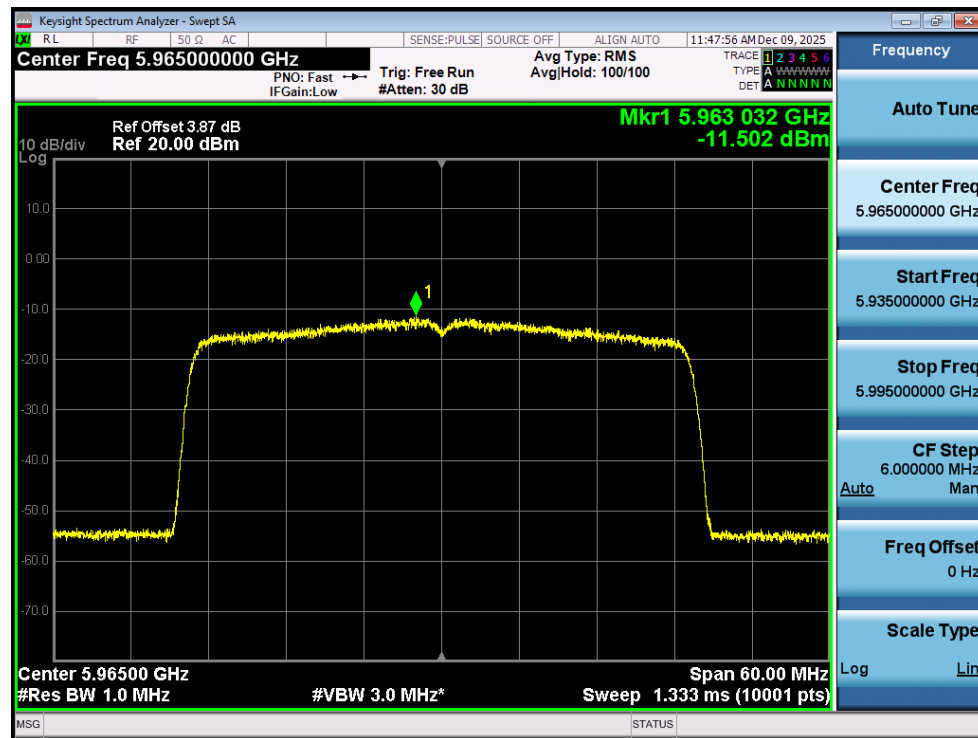
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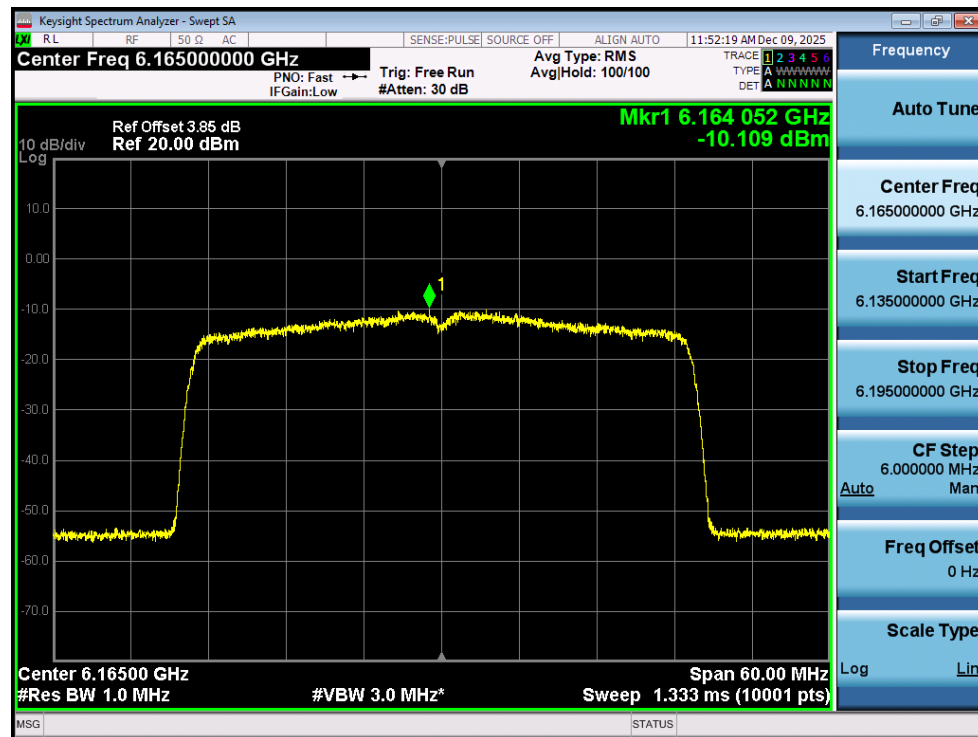
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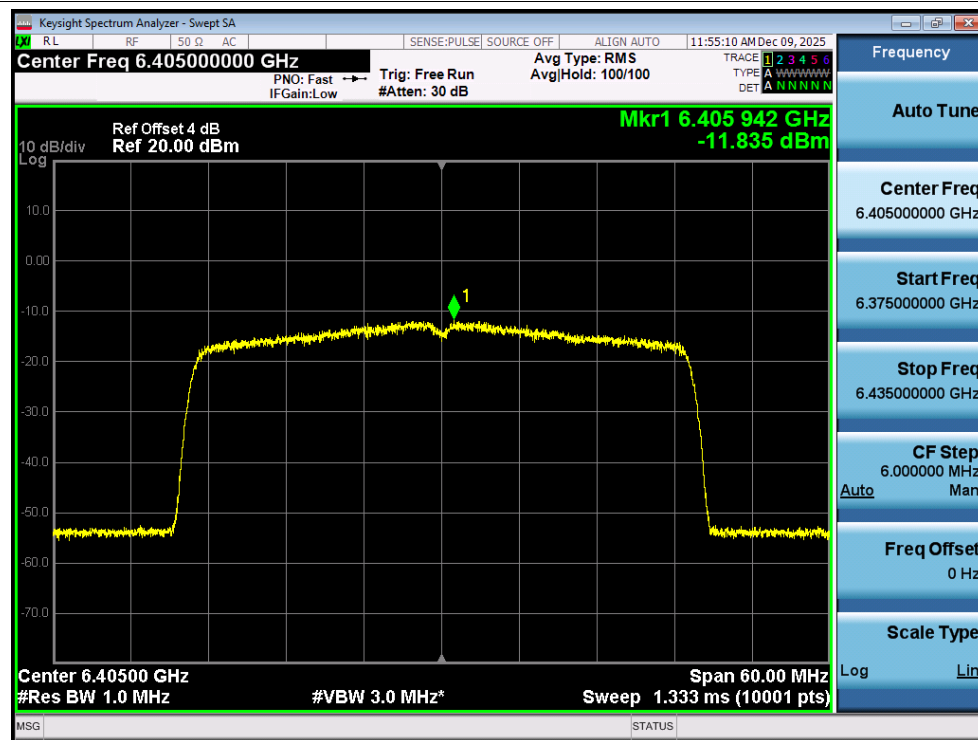
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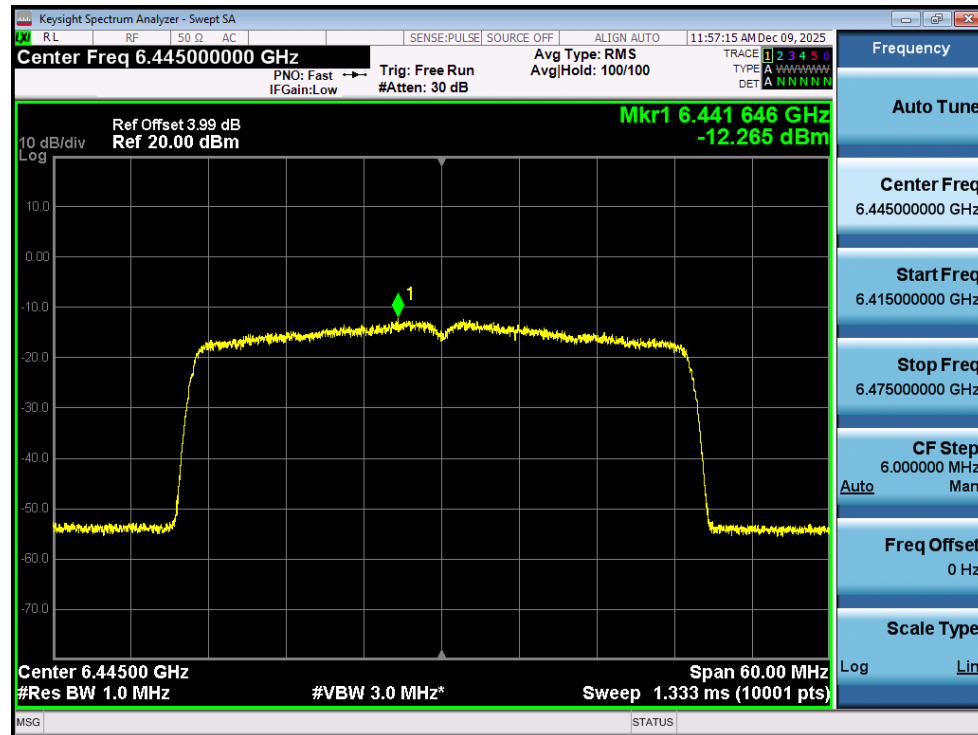
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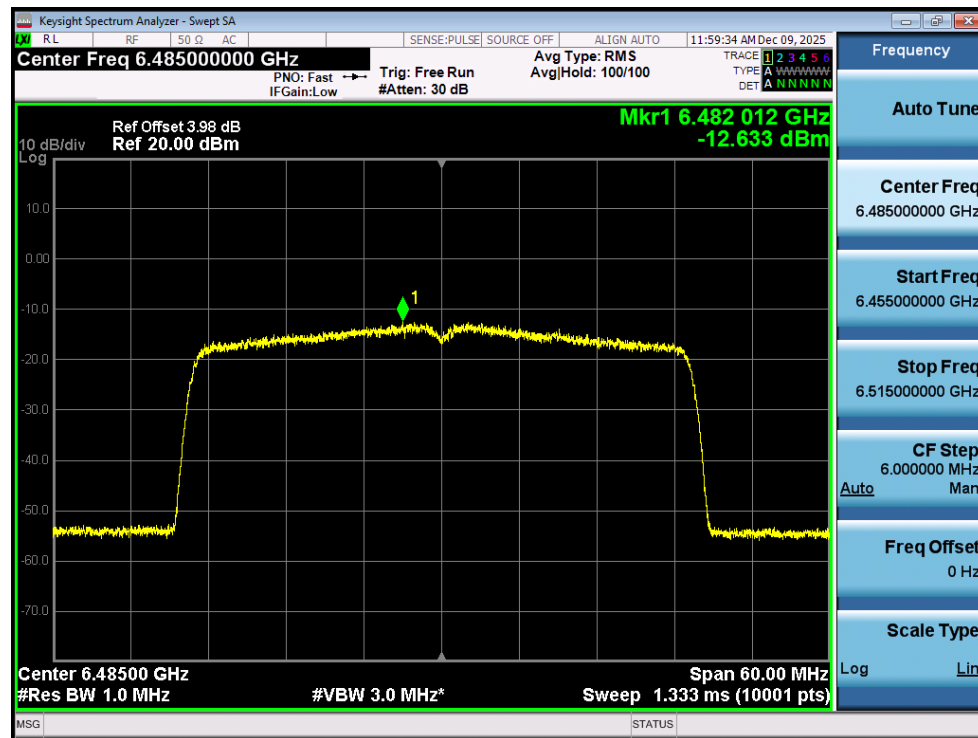
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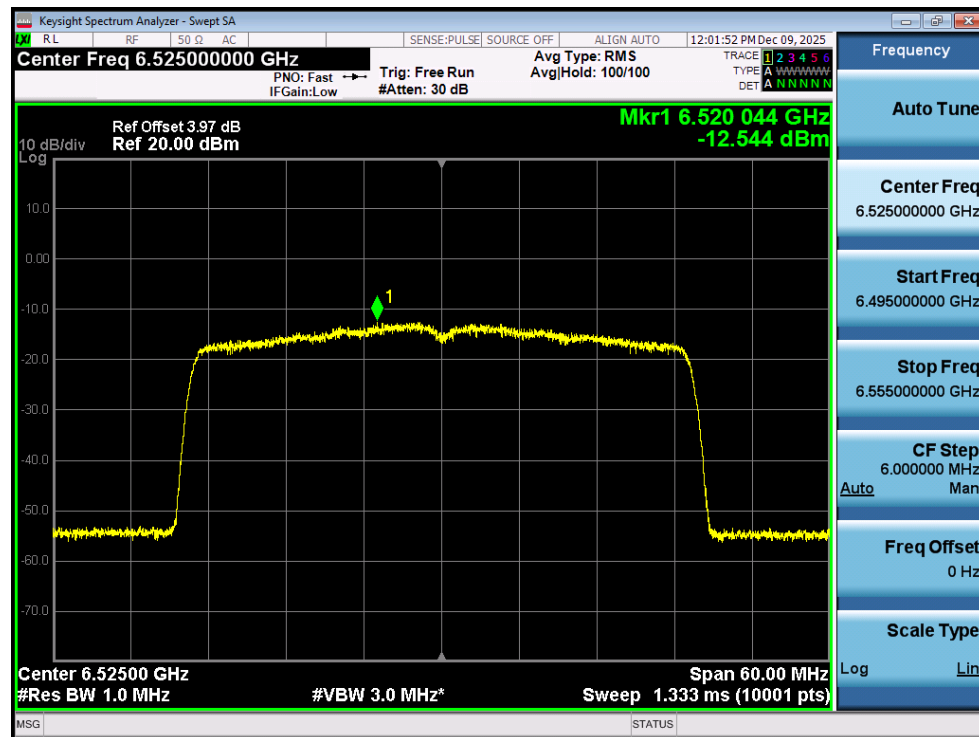
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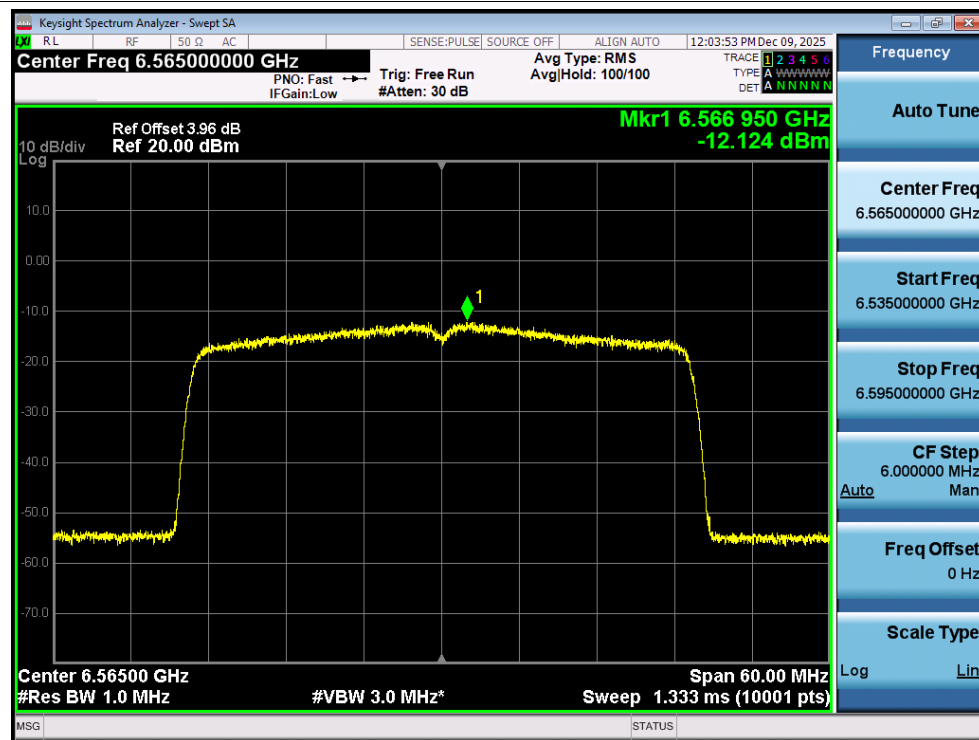
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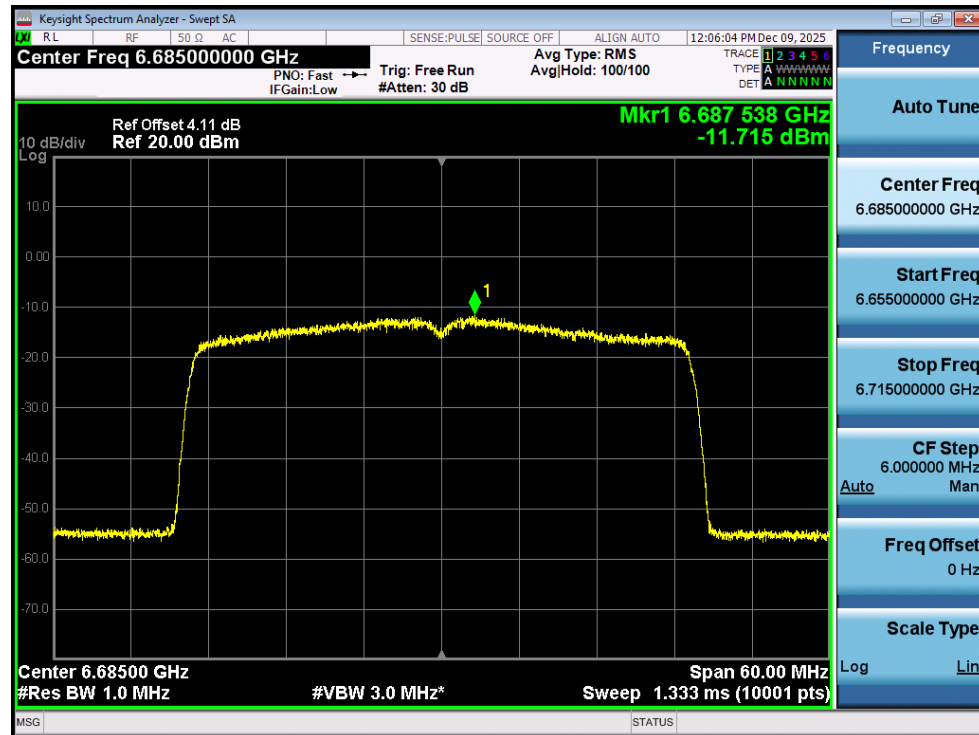
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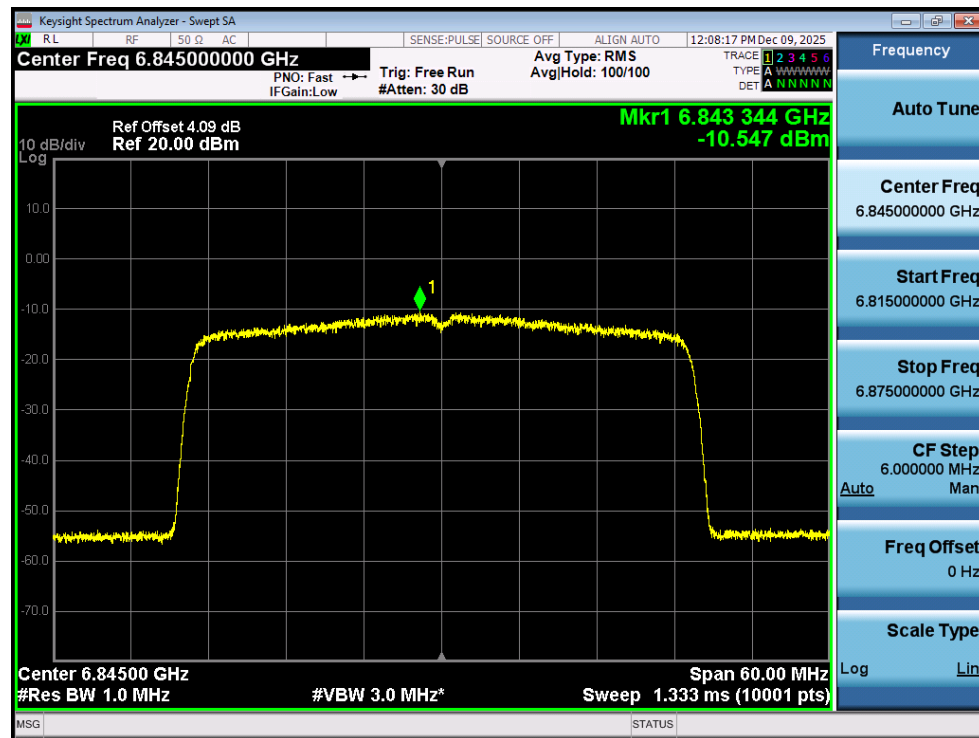
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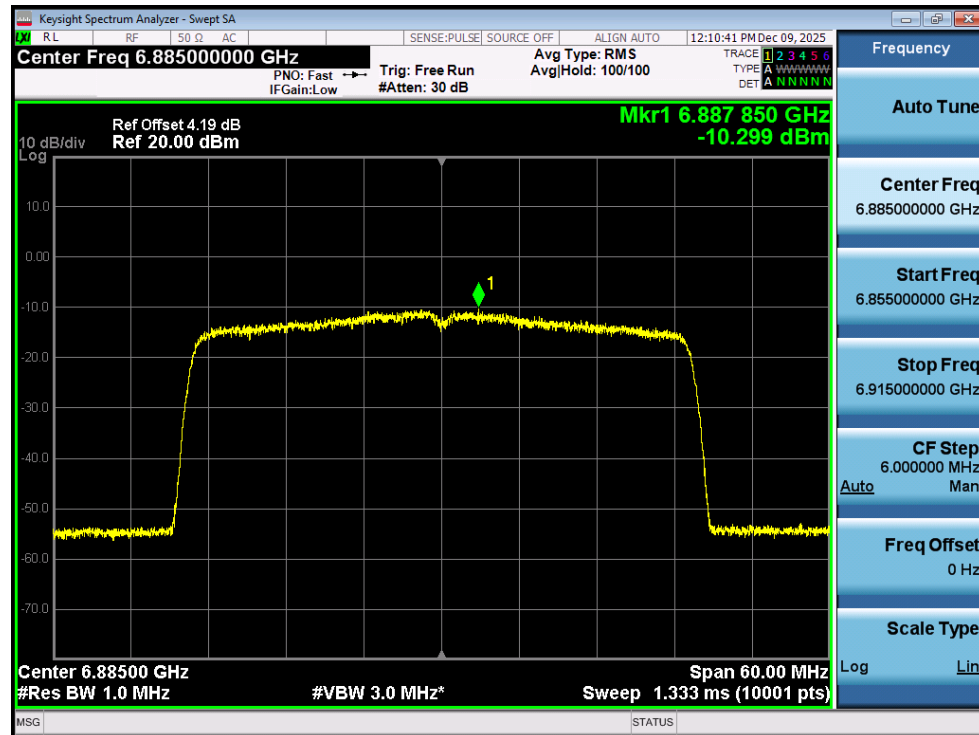
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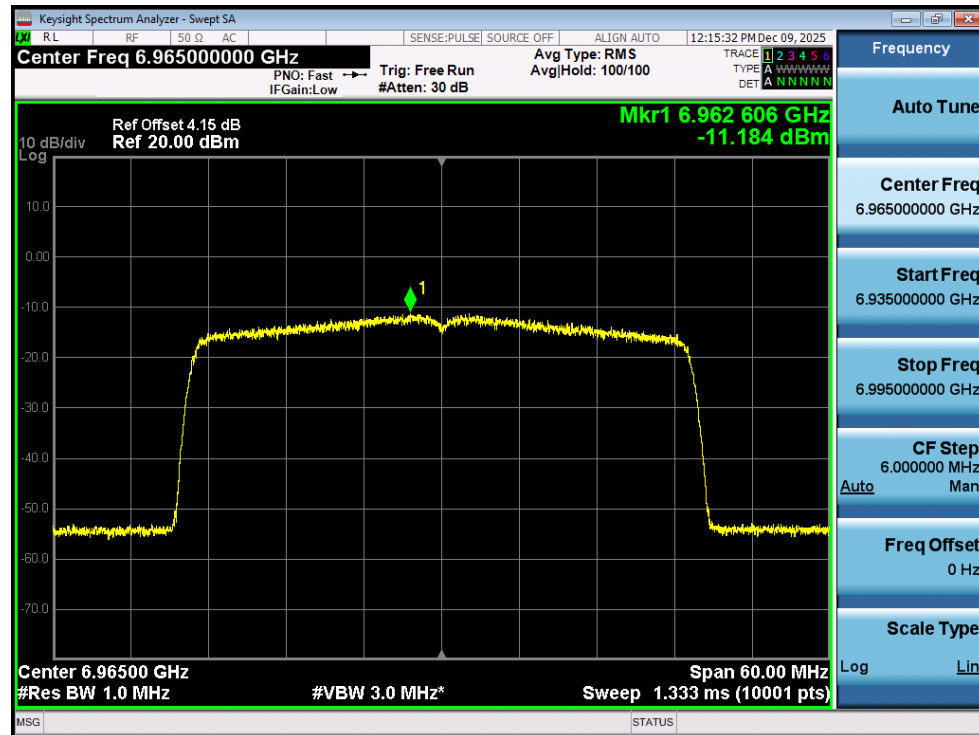
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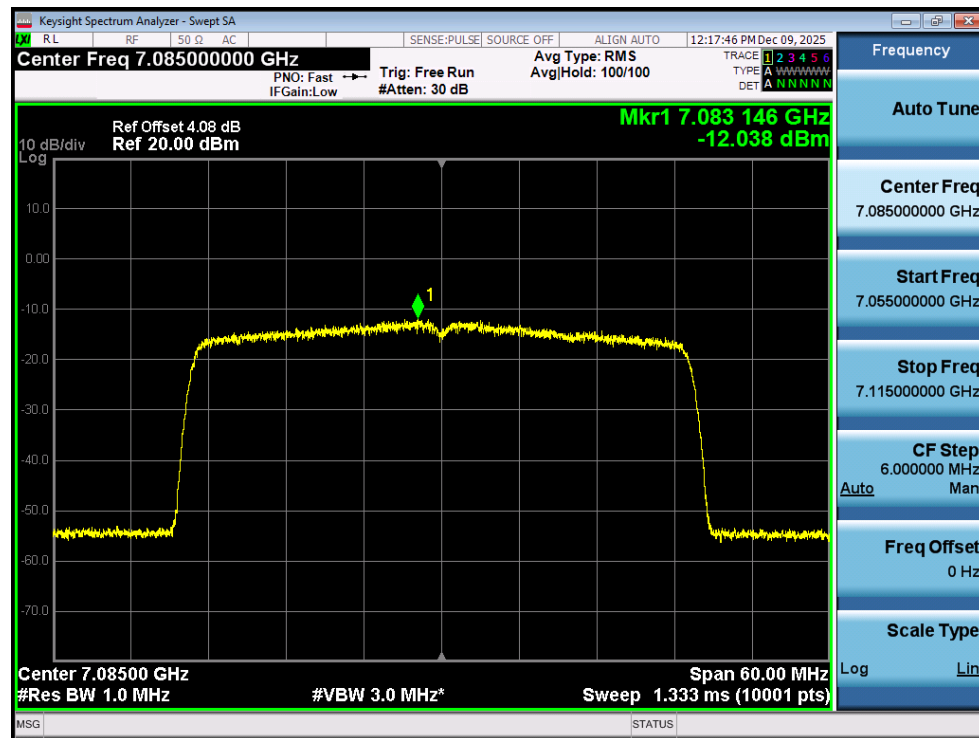
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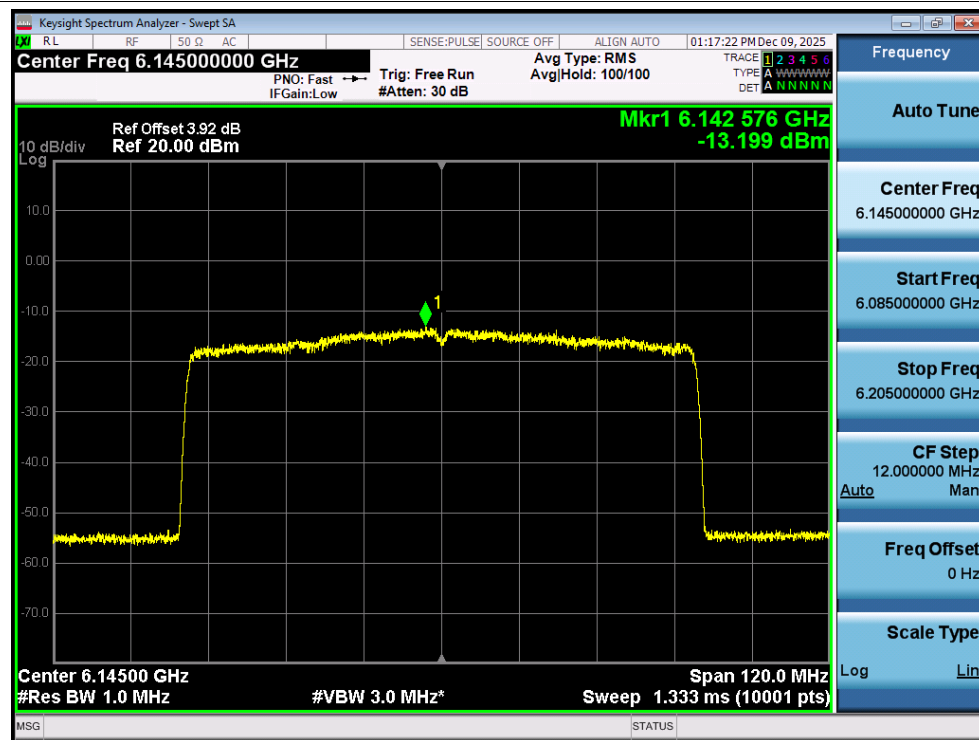
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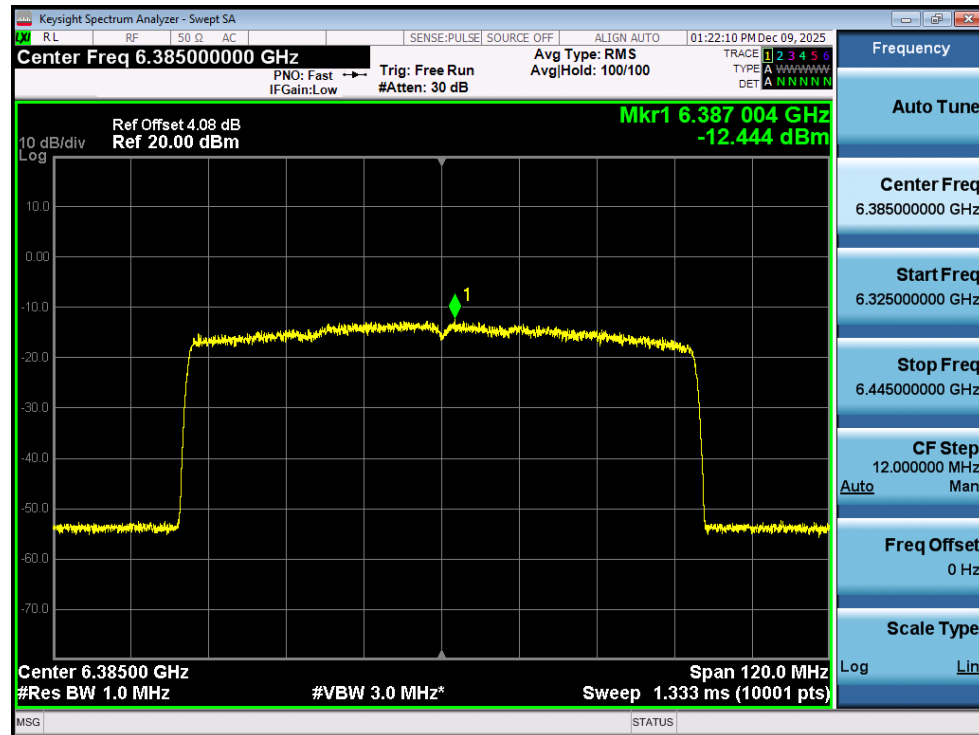
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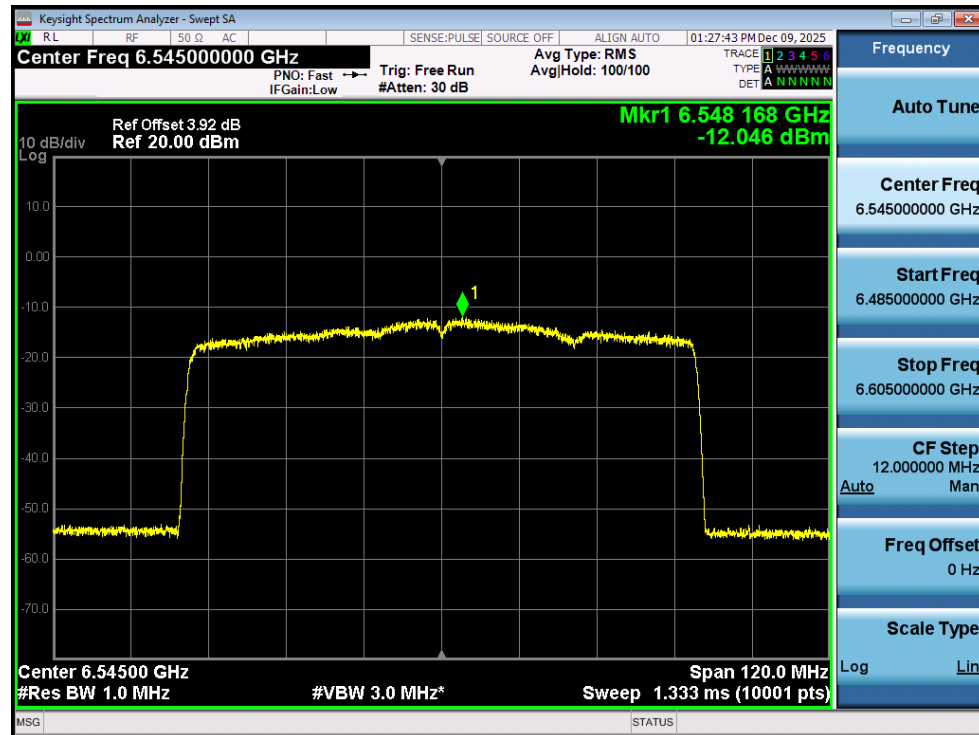
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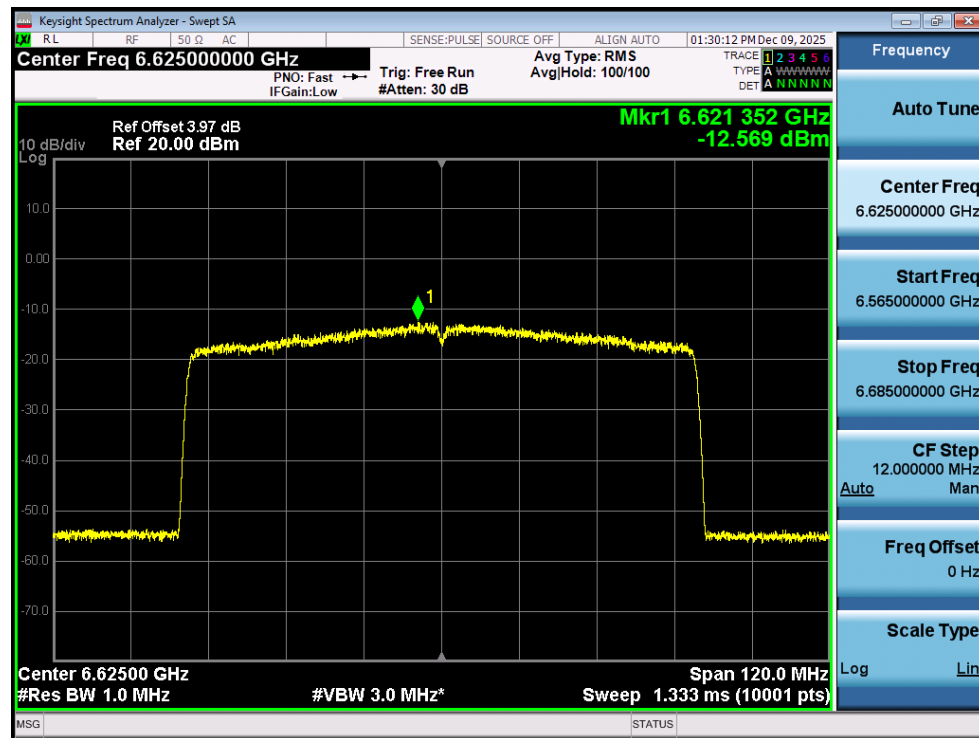
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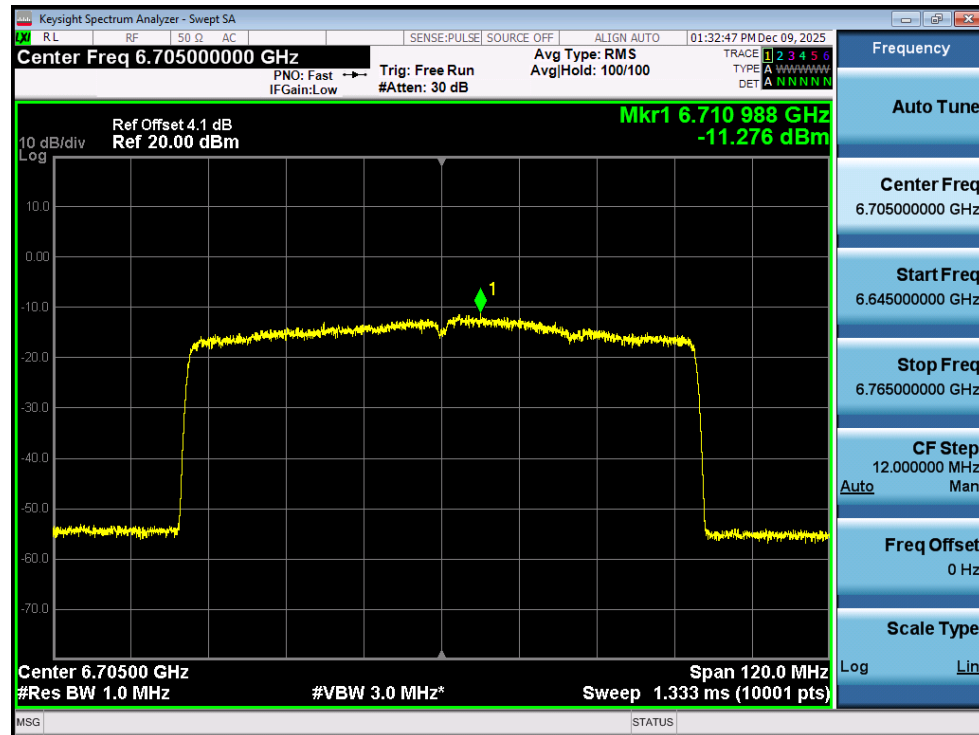
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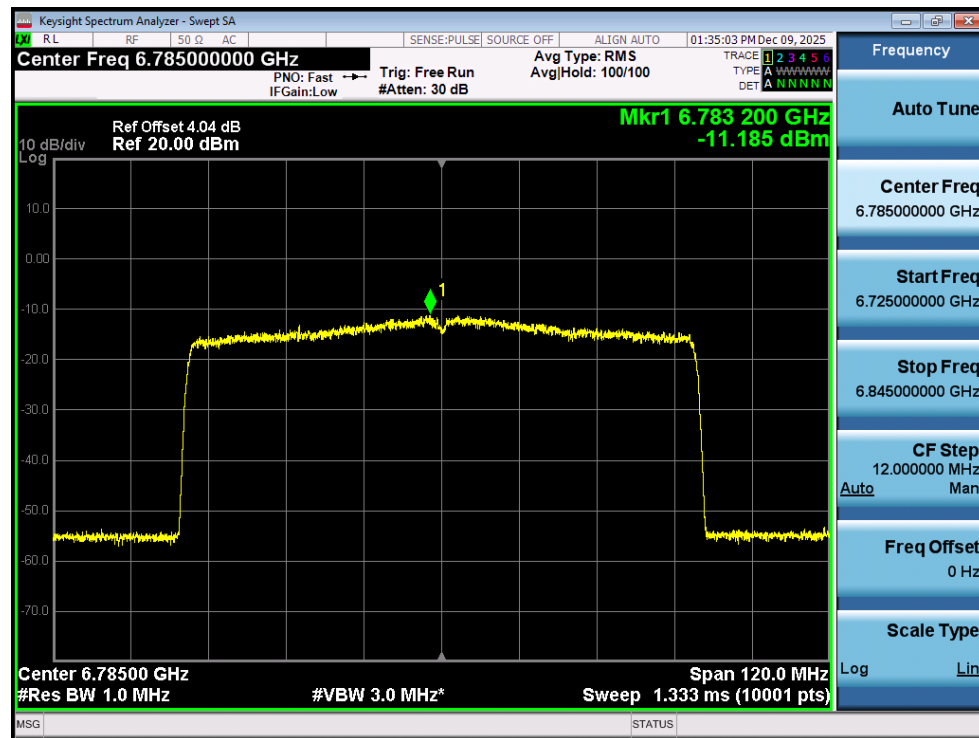
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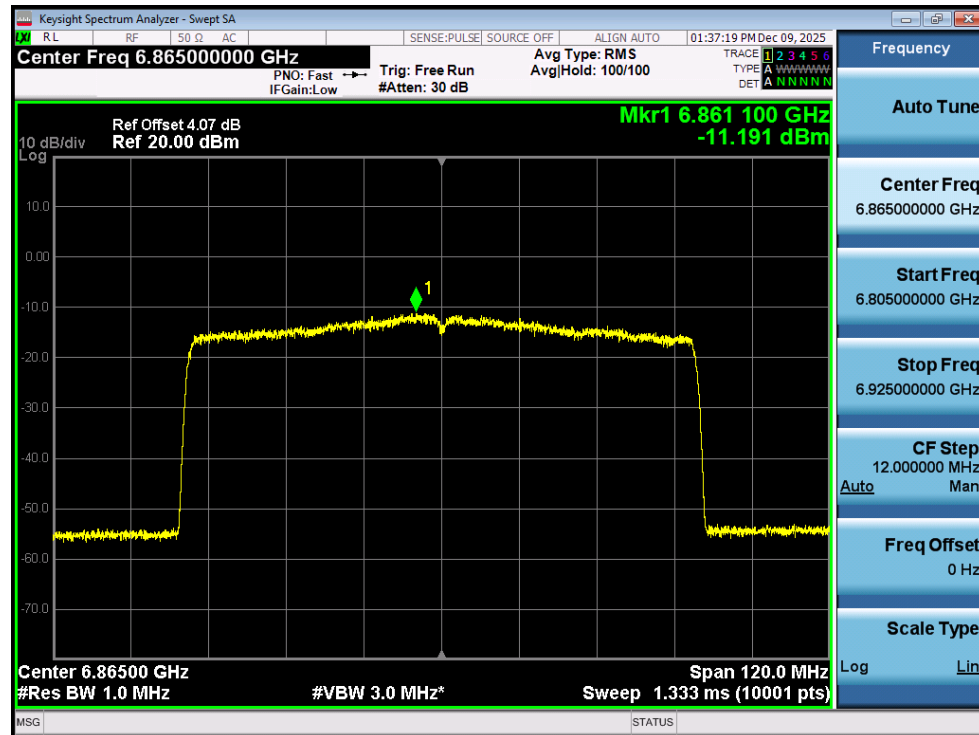
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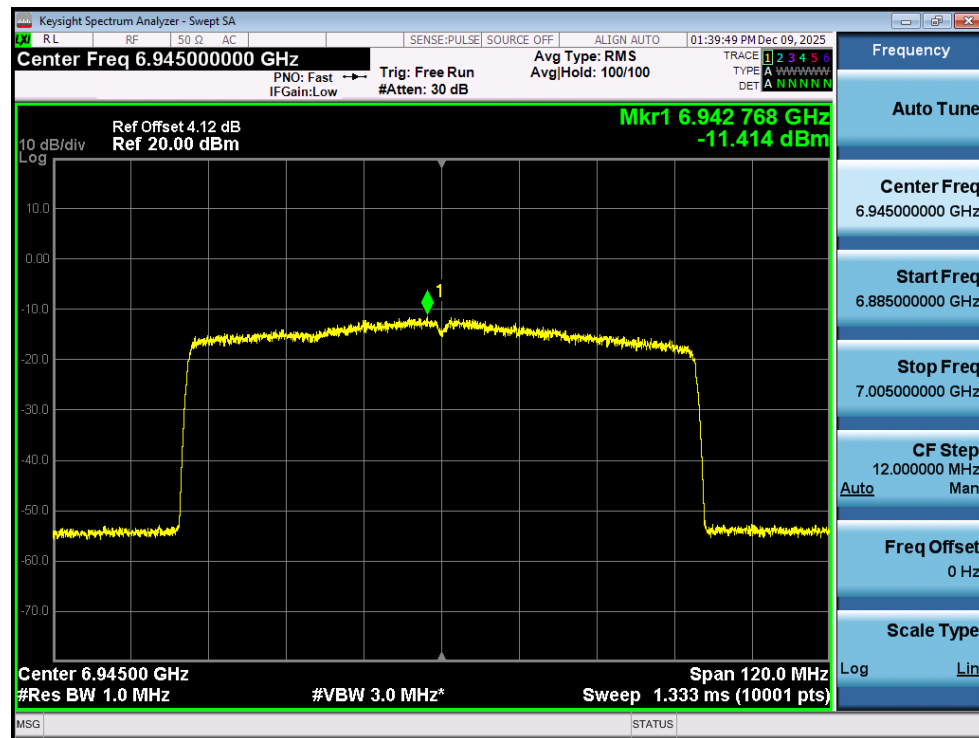
PSD NVNT ax80 6785MHz Ant A



PSD NVNT ax80 6865MHz Ant A



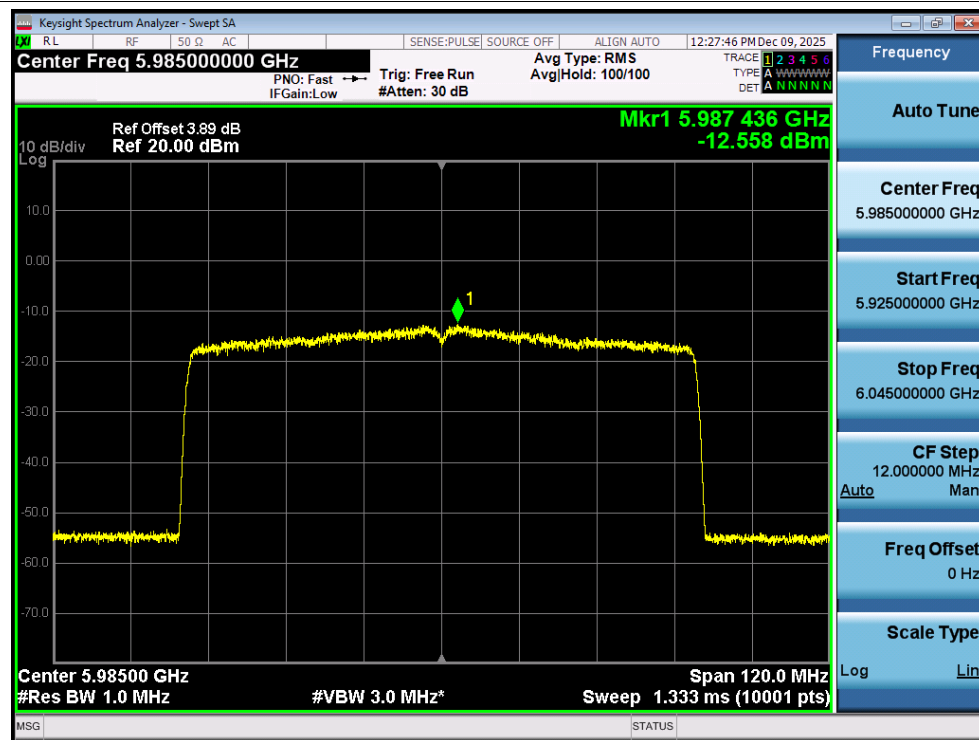
PSD NVNT ax80 6945MHz Ant A



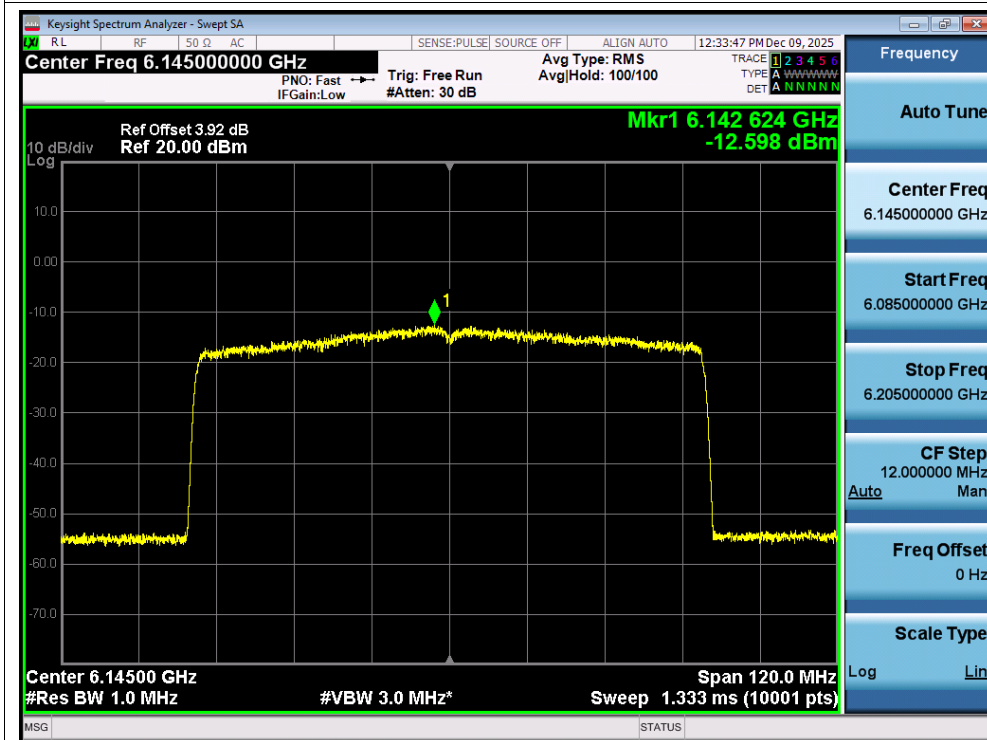
PSD NVNT ax80 7025MHz Ant A



PSD NVNT ax80 5985MHz Ant B



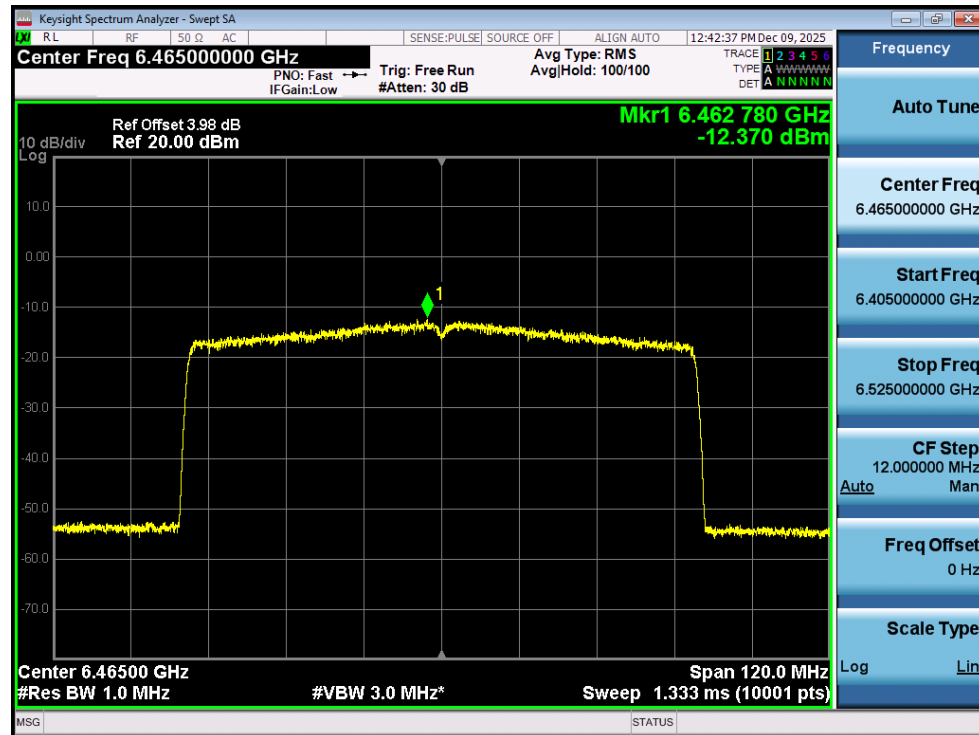
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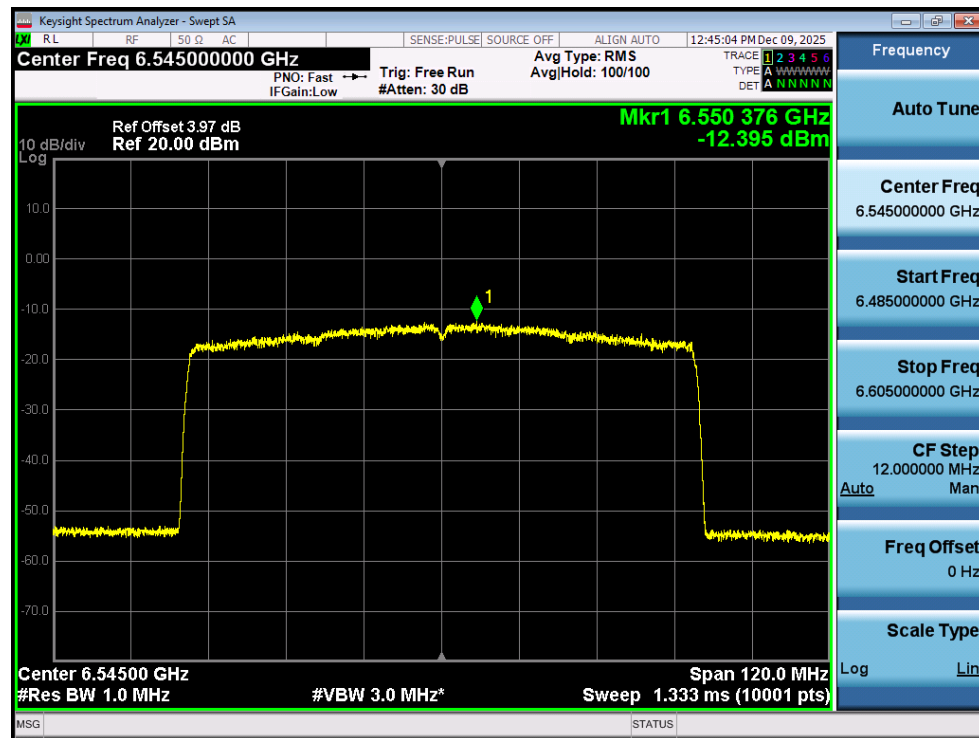
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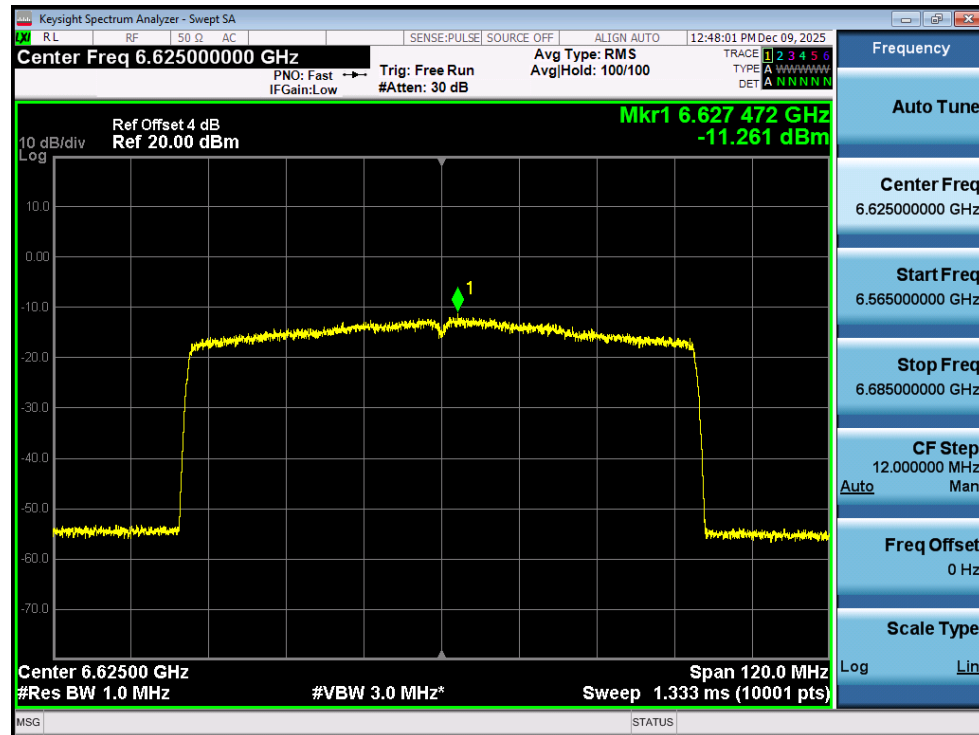
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PSD NVNT ax80 6545MHz Ant B



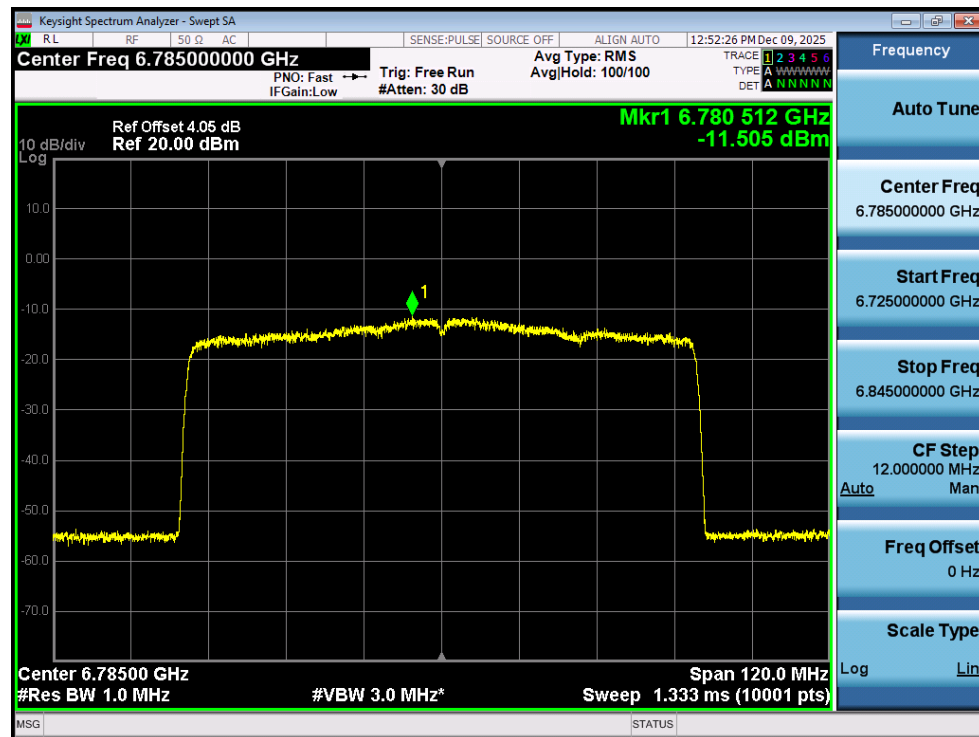
PSD NVNT ax80 6625MHz Ant B



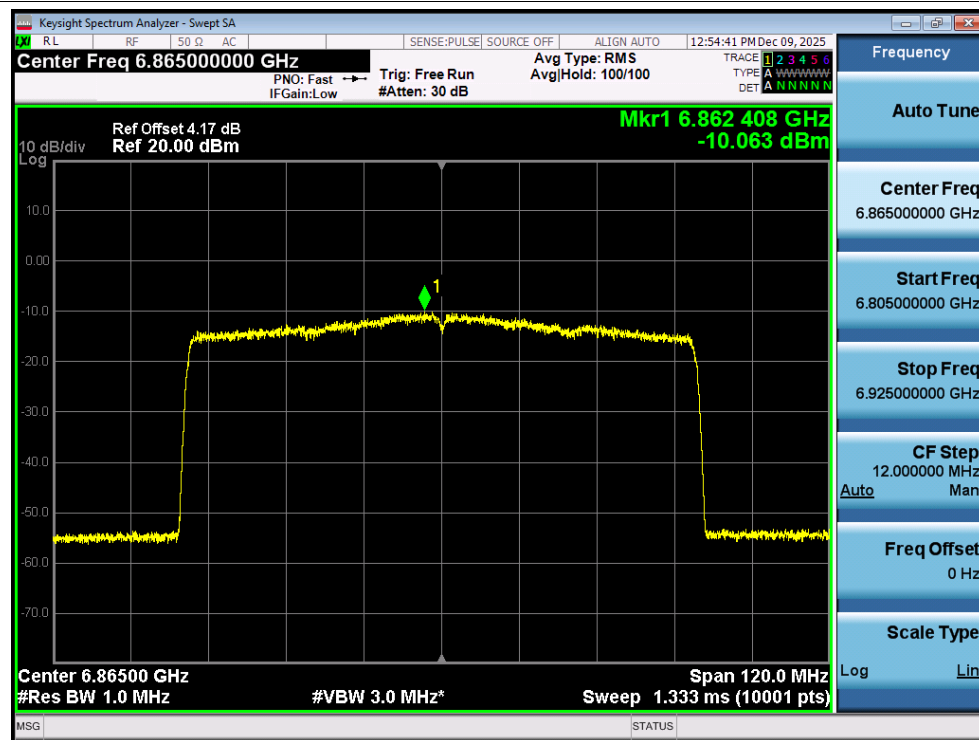
PSD NVNT ax80 6705MHz Ant B



PSD NVNT ax80 6785MHz Ant B



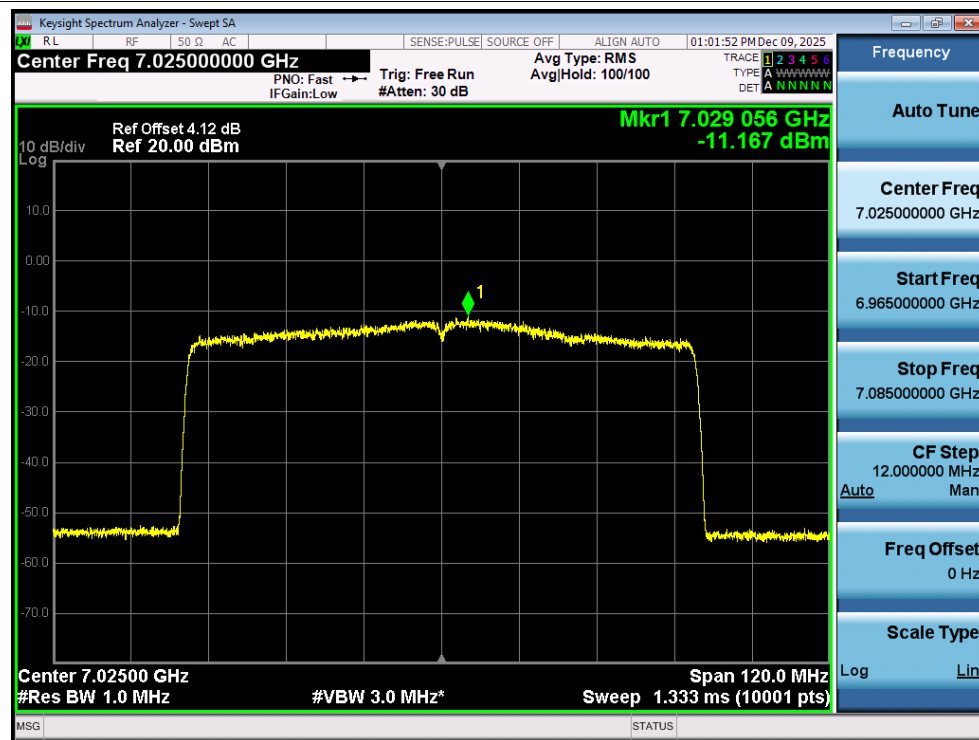
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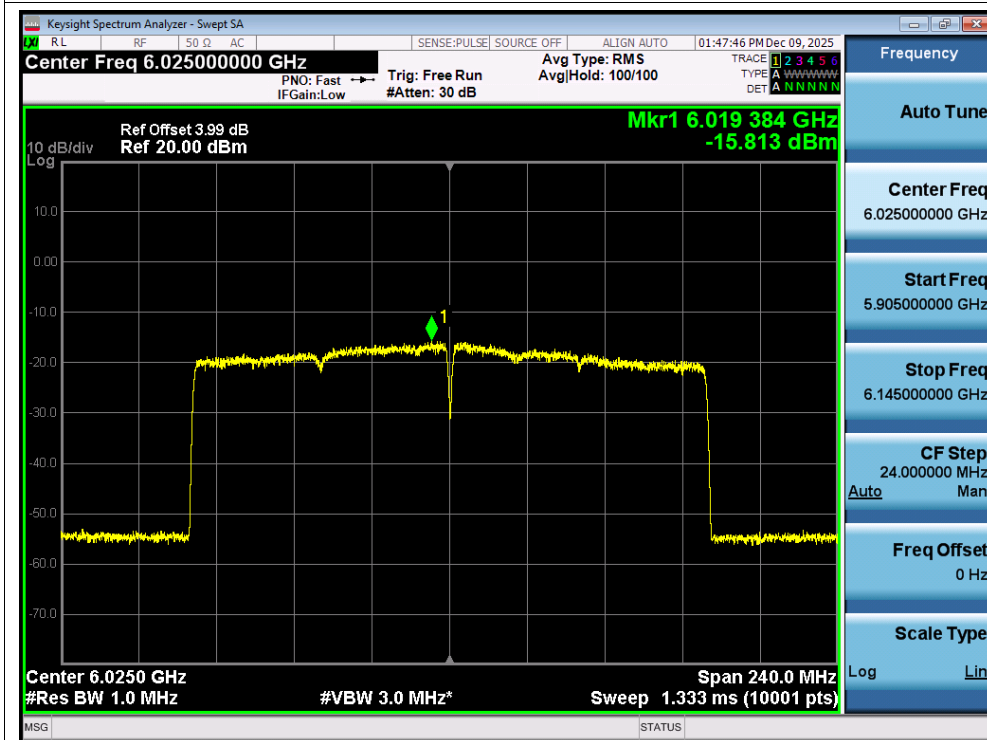
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PSD NVNT ax80 7025MHz Ant B



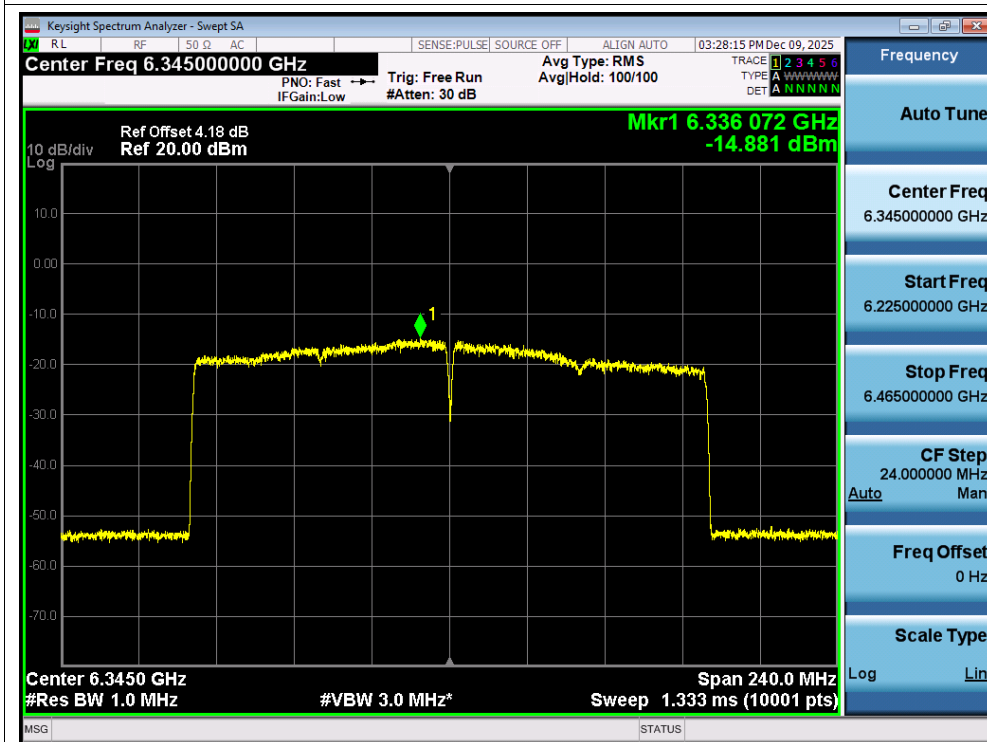
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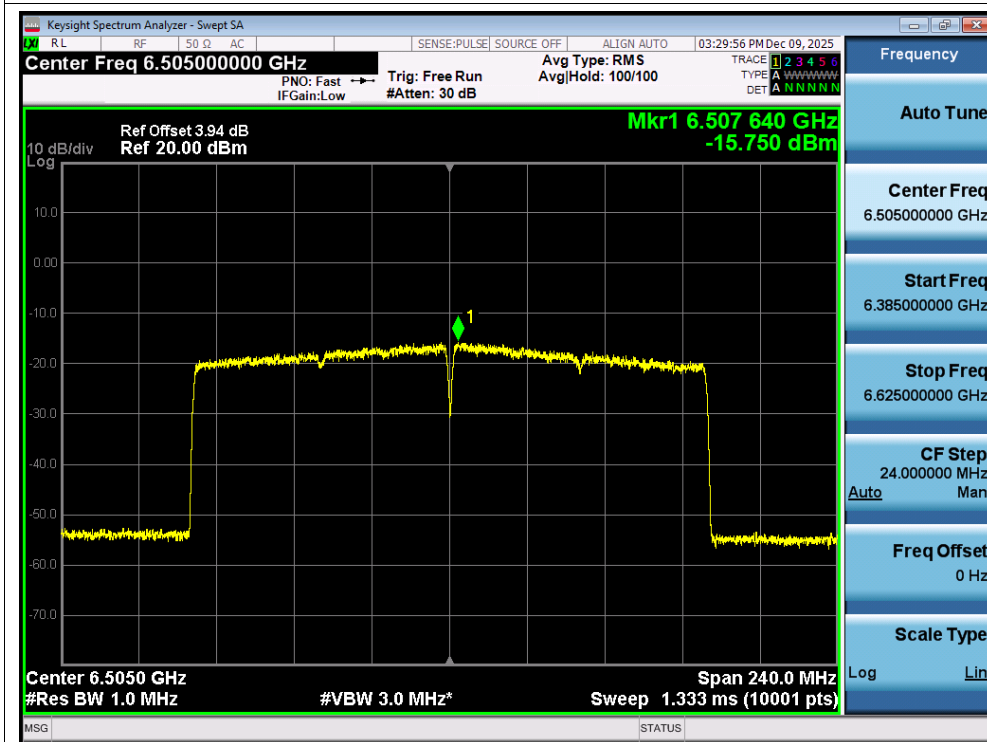
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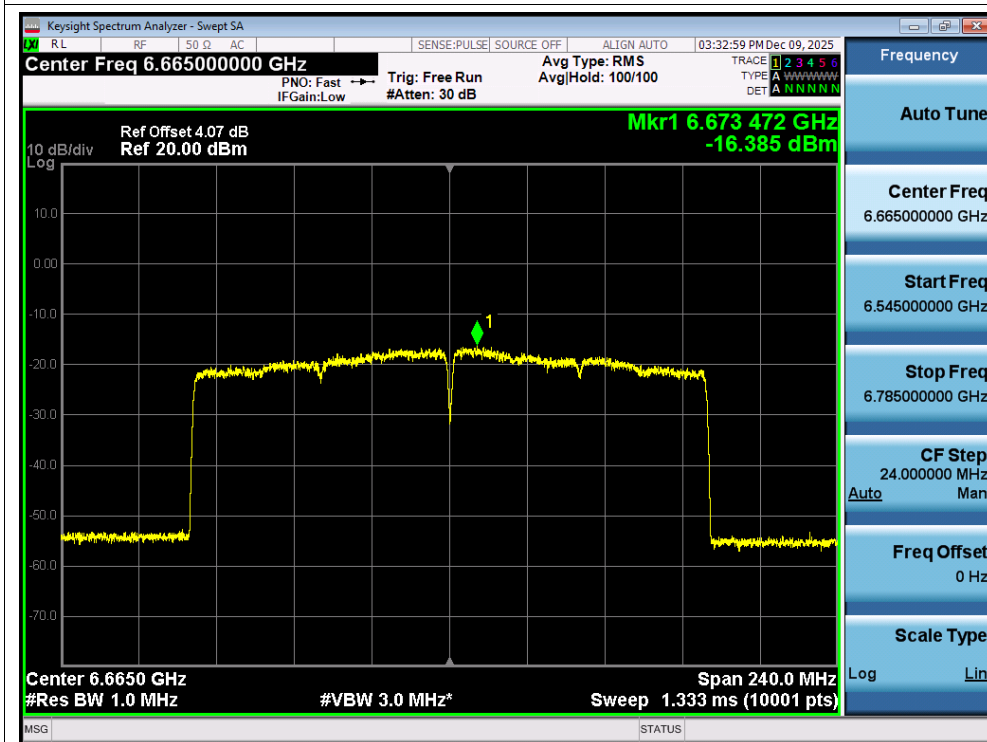
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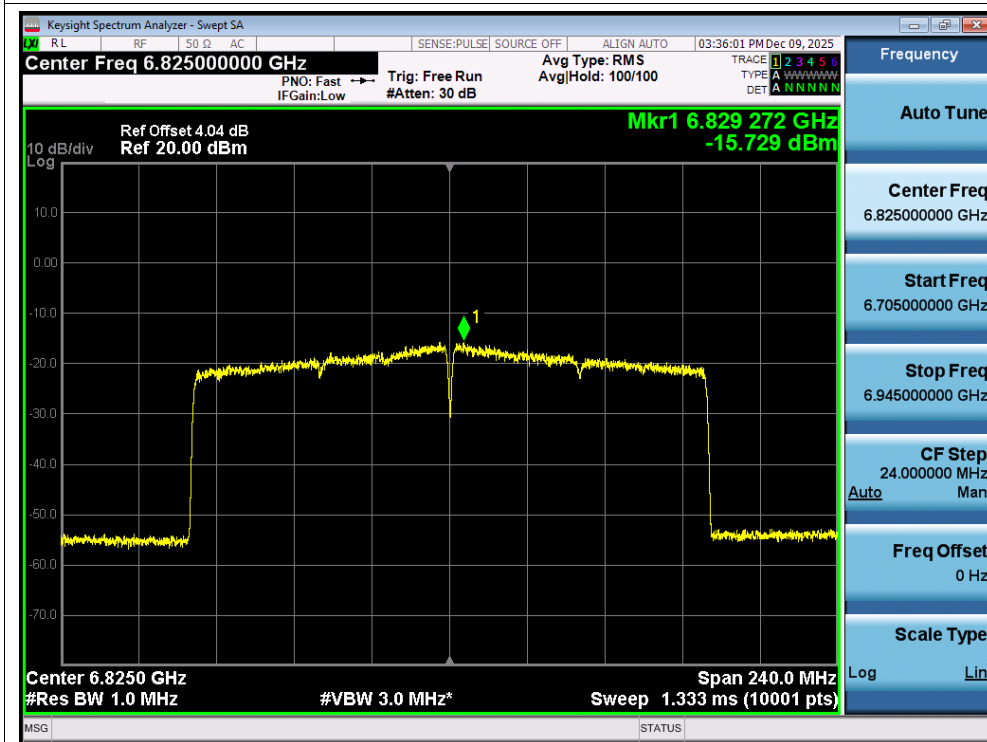
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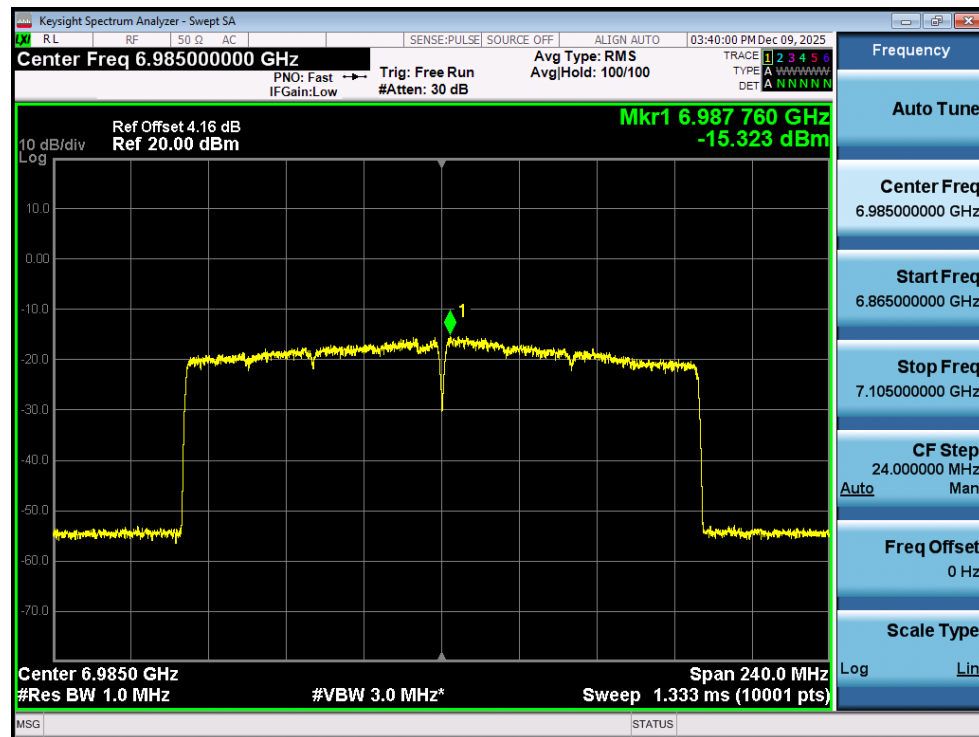
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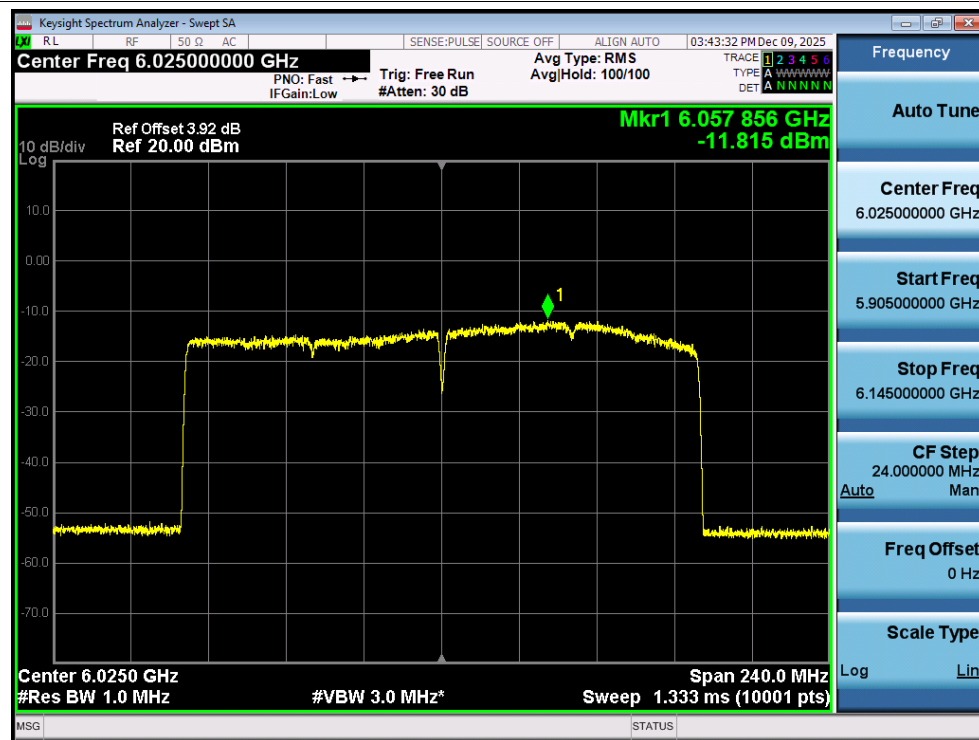
PSD NVNT ax160 6825MHz Ant A



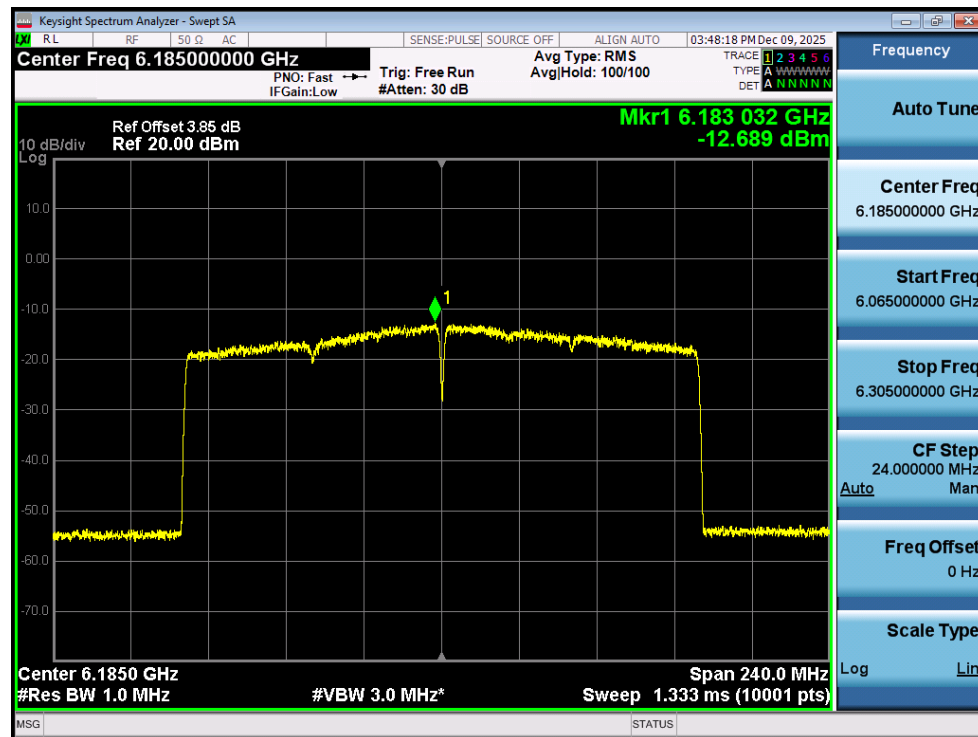
PSD NVNT ax160 6985MHz Ant A



PSD NVNT ax160 6025MHz Ant B



PSD NVNT ax160 6185MHz Ant B



PSD NVNT ax160 6345MHz Ant B



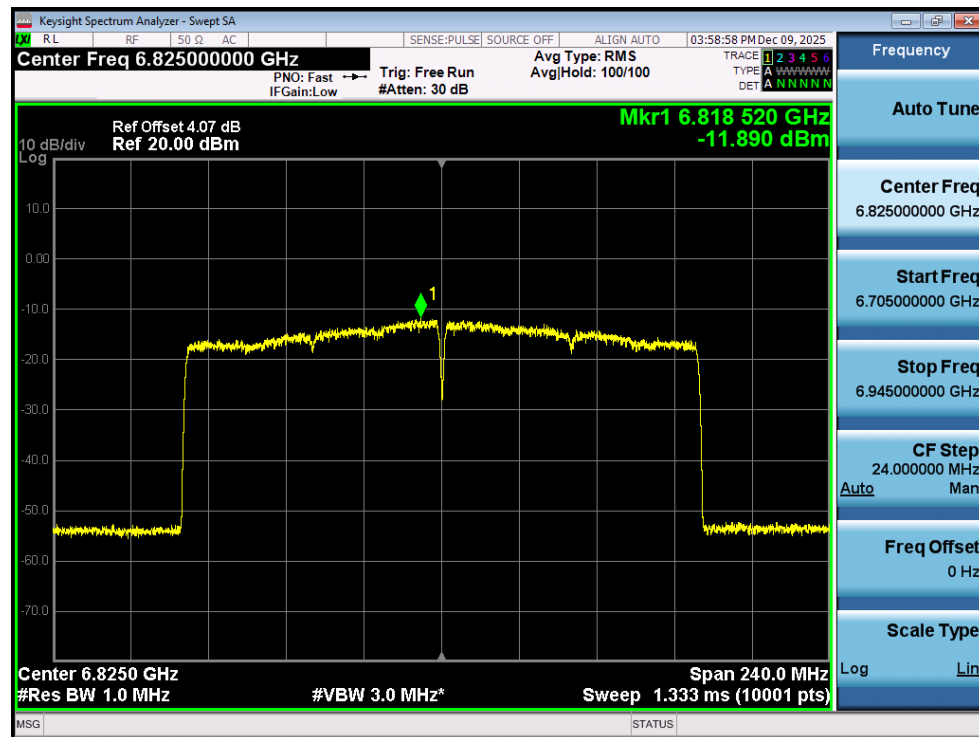
PSD NVNT ax160 6505MHz Ant B



PSD NVNT ax160 6665MHz Ant B



PSD NVNT ax160 6825MHz Ant B



PSD NVNT ax160 6985MHz Ant B

