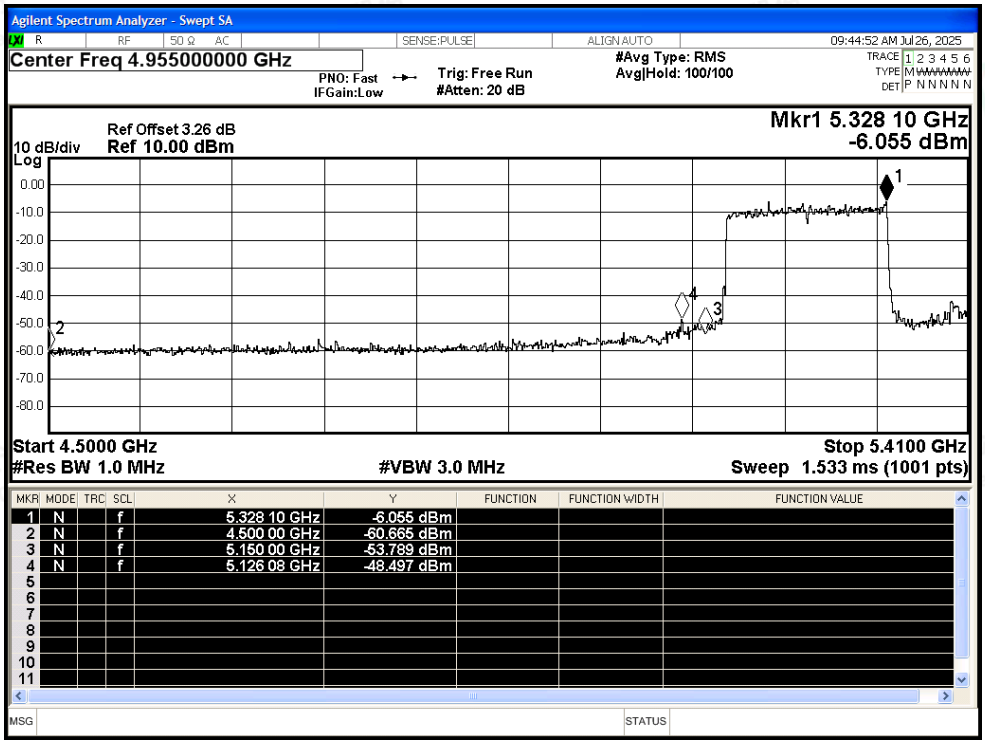
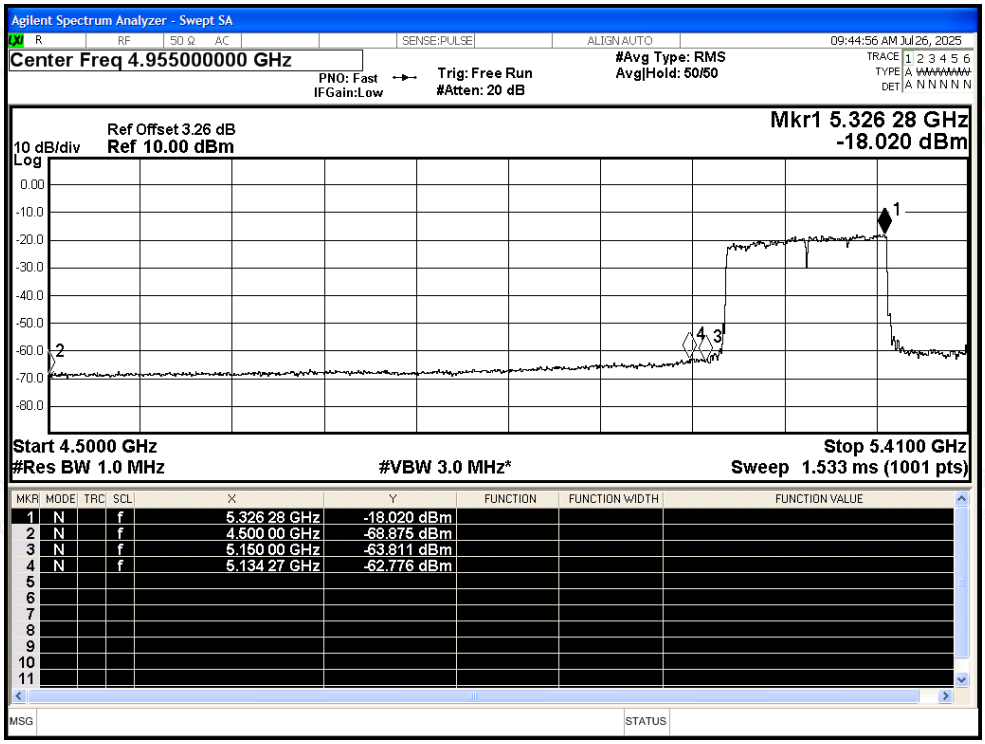
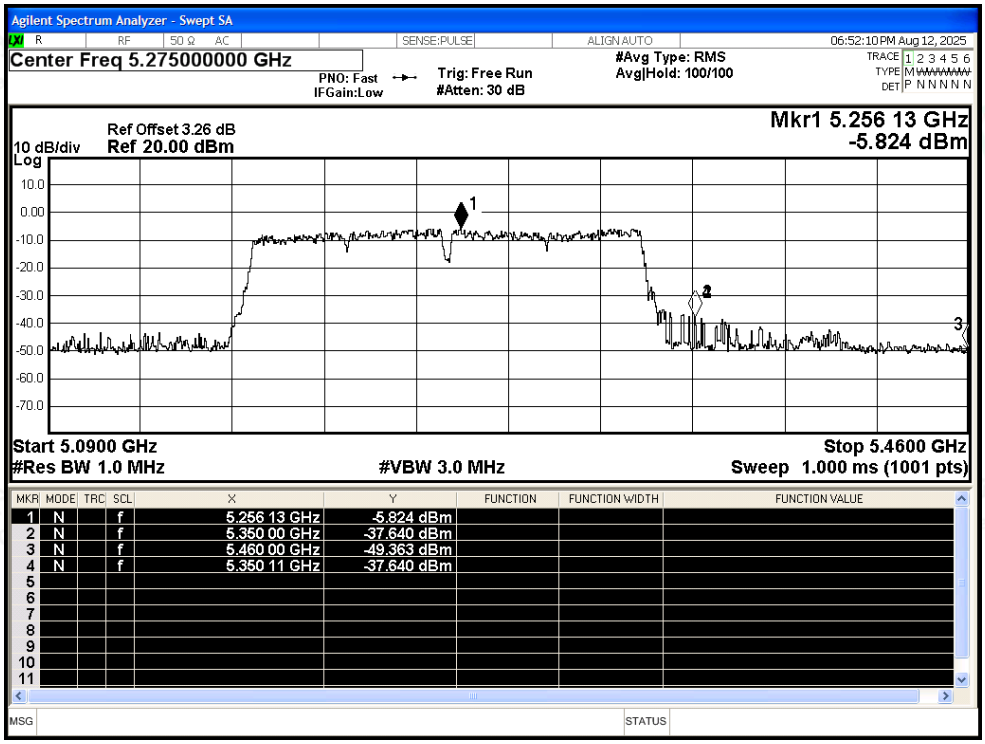
Restrict Band NVNT ax160 5250MHz Ant3 Peak



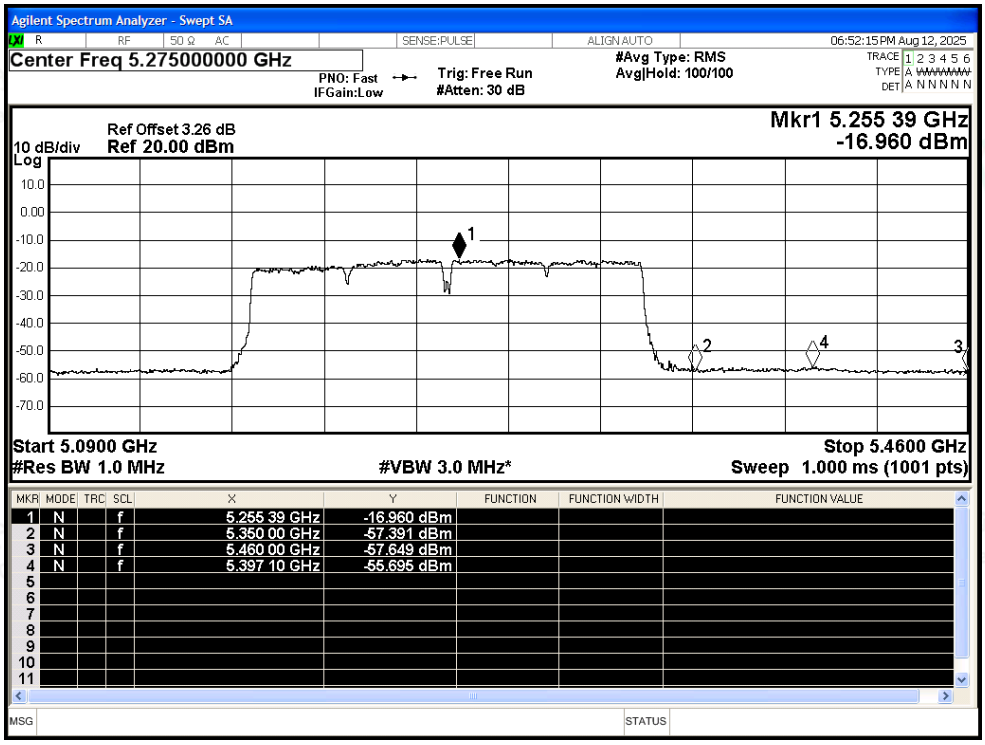
Restrict Band NVNT ax160 5250MHz Ant3 Average



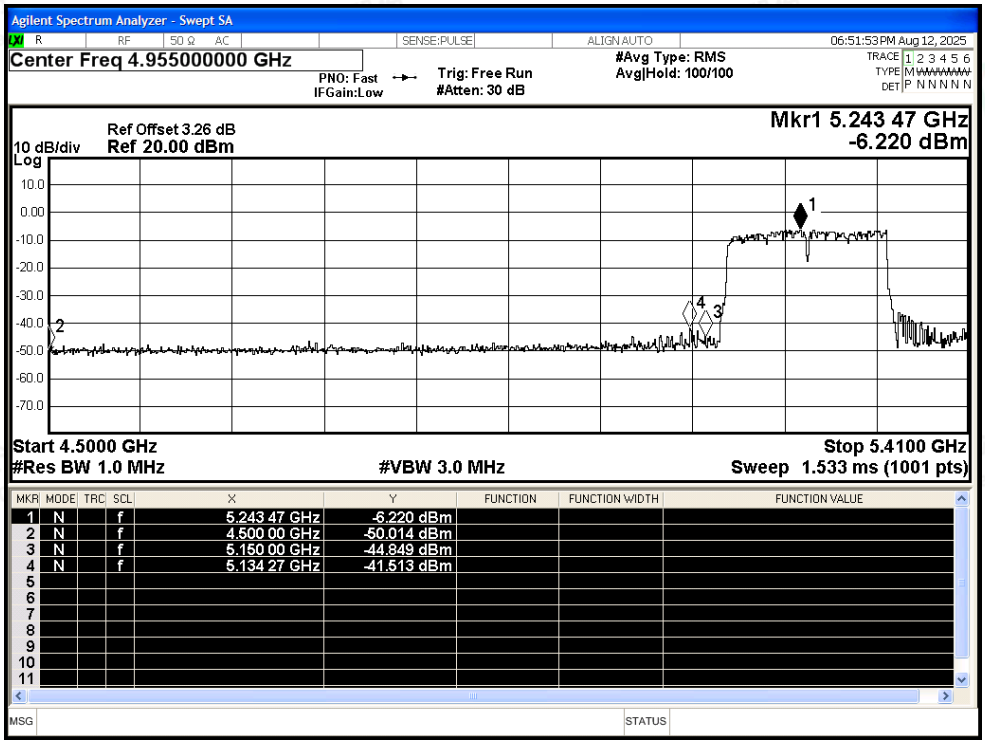
Restrict Band NVNT be160 5250MHz Ant3 Peak



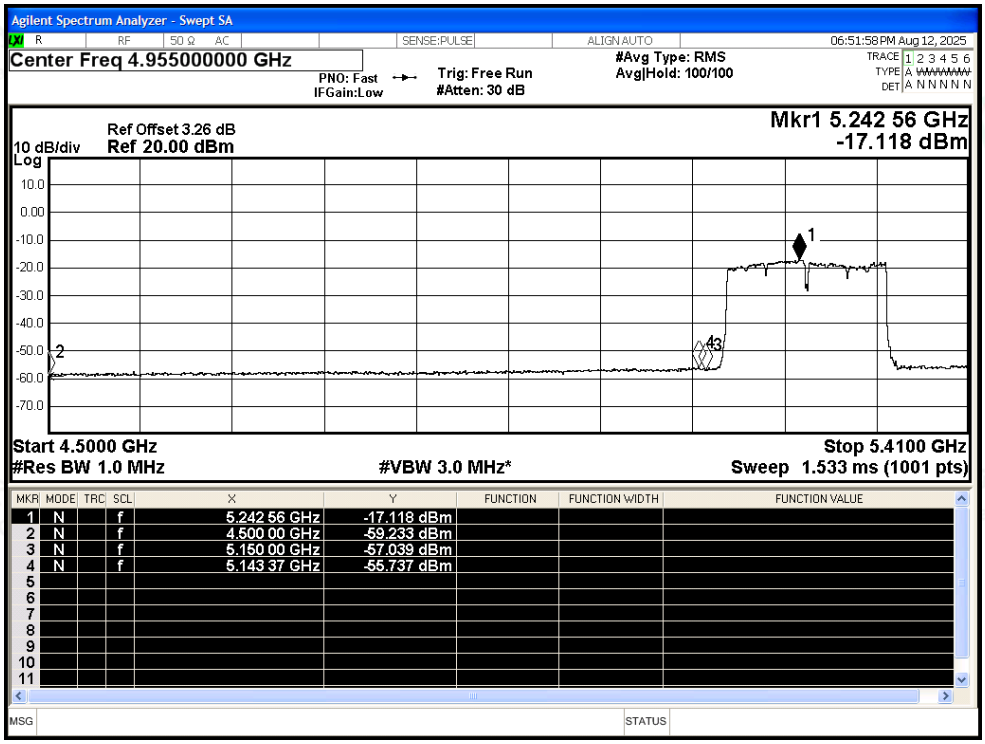
Restrict Band NVNT be160 5250MHz Ant3 Average



Restrict Band NVNT be160 5250MHz Ant3 Peak



Restrict Band NVNT be160 5250MHz Ant3 Average



MIMO

Condition	Mode	Frequency (MHz)	Ant1 Power (dBm)	Ant2 Power (dBm)	Ant3 Power (dBm)	Gain (dBi)	Total E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	n20	5180	-51.16	-51.81	-49.66	8.92	55.69	Peak	68.2	Pass
NVNT	n20	5180	-58.28	-58.57	-58.89	8.92	48.74	Average	54	Pass
NVNT	n20	5180	-44.27	-44.5	-46.38	8.92	62.77	Peak	68.2	Pass
NVNT	n20	5180	-56.03	-56.29	-55.66	8.92	51.00	Average	54	Pass
NVNT	n20	5180	-45.85	-45.46	-45.7	8.92	61.51	Peak	68.2	Pass
NVNT	n20	5180	-55.75	-55.85	-55.73	8.92	51.36	Average	54	Pass
NVNT	n20	5240	-50.73	-49.29	-50.32	8.92	57.21	Peak	68.2	Pass
NVNT	n20	5240	-58.16	-58.34	-58.47	8.92	48.91	Average	54	Pass
NVNT	n20	5240	-46.87	-47.56	-47.27	8.92	59.96	Peak	68.2	Pass
NVNT	n20	5240	-57.39	-57.5	-57.34	8.92	49.71	Average	54	Pass
NVNT	n20	5240	-50.13	-51.37	-50.51	8.92	56.45	Peak	68.2	Pass
NVNT	n20	5240	-58.14	-57.98	-58.13	8.92	49.10	Average	54	Pass
NVNT	n40	5190	-51.08	-49.97	-51.02	8.92	56.67	Peak	68.2	Pass
NVNT	n40	5190	-58.71	-58.95	-58.65	8.92	48.33	Average	54	Pass
NVNT	n40	5190	-39.98	-39.7	-42.46	8.92	67.32	Peak	68.2	Pass
NVNT	n40	5190	-55.43	-55.72	-55.32	8.92	51.59	Average	54	Pass
NVNT	n40	5190	-41.96	-39.7	-42.46	8.92	66.47	Peak	68.2	Pass
NVNT	n40	5190	-55.43	-55.72	-55.79	8.92	51.59	Average	54	Pass
NVNT	n40	5230	-47.7	-49.99	-51.18	8.92	58.46	Peak	68.2	Pass
NVNT	n40	5230	-57.91	-58.13	-58.14	8.92	49.14	Average	54	Pass
NVNT	n40	5230	-47.7	-47.02	-47.09	8.92	59.81	Peak	68.2	Pass
NVNT	n40	5230	-57.38	-57.38	-57.56	8.92	49.78	Average	54	Pass
NVNT	n40	5230	-48.71	-50.18	-50.82	8.92	57.77	Peak	68.2	Pass
NVNT	n40	5230	-58.38	-58.28	-57.78	8.92	48.83	Average	54	Pass
NVNT	ac20	5180	-50.7	-50.59	-49.49	8.92	56.51	Peak	68.2	Pass
NVNT	ac20	5180	-59.16	-59.18	-58.55	8.92	47.99	Average	54	Pass
NVNT	ac20	5180	-45	-45.55	-42.37	8.92	61.89	Peak	68.2	Pass
NVNT	ac20	5180	-55.5	-55.97	-56.09	8.92	51.43	Average	54	Pass
NVNT	ac20	5180	-47.09	-45.71	-46.19	8.92	60.81	Peak	68.2	Pass
NVNT	ac20	5180	-56.01	-55.93	-55.58	8.92	51.19	Average	54	Pass
NVNT	ac20	5240	-48.07	-50.85	-50.11	8.92	57.92	Peak	68.2	Pass
NVNT	ac20	5240	-58.19	-58.31	-58.03	8.92	48.91	Average	54	Pass
NVNT	ac20	5240	-47.17	-47.26	-47.98	8.92	59.94	Peak	68.2	Pass
NVNT	ac20	5240	-57.34	-57.48	-57.24	8.92	49.75	Average	54	Pass
NVNT	ac20	5240	-47.51	-49.98	-49.62	8.92	58.59	Peak	68.2	Pass
NVNT	ac20	5240	-58.19	-58.53	-58.46	8.92	48.80	Average	54	Pass
NVNT	ac40	5190	-49.46	-50.03	-51.72	8.92	57.42	Peak	68.2	Pass
NVNT	ac40	5190	-58.49	-58.31	-58.75	8.92	48.76	Average	54	Pass
NVNT	ac40	5190	-44.56	-39.96	-41.72	8.92	65.48	Peak	68.2	Pass
NVNT	ac40	5190	-55.52	-55.67	-55.74	8.92	51.56	Average	54	Pass
NVNT	ac40	5190	-44.56	-39.96	-41.72	8.92	65.48	Peak	68.2	Pass
NVNT	ac40	5190	-55.52	-55.67	-55.74	8.92	51.56	Average	54	Pass
NVNT	ac40	5230	-49.82	-48.86	-50.38	8.92	57.84	Peak	68.2	Pass
NVNT	ac40	5230	-58.74	-58.69	-58.48	8.92	48.44	Average	54	Pass
NVNT	ac40	5230	-47.84	-47.77	-47.07	8.92	59.35	Peak	68.2	Pass
NVNT	ac40	5230	-56.94	-57.45	-57.26	8.92	49.97	Average	54	Pass
NVNT	ac40	5230	-50.37	-48.64	-50.46	8.92	57.74	Peak	68.2	Pass
NVNT	ac40	5230	-58.31	-57.58	-58.26	8.92	49.23	Average	54	Pass
NVNT	ac80	5210	-48.32	-47.92	-48.36	8.92	59.04	Peak	68.2	Pass
NVNT	ac80	5210	-56.92	-56.78	-56.67	8.92	50.31	Average	54	Pass
NVNT	ac80	5210	-46.28	-46.32	-46.7	8.92	60.86	Peak	68.2	Pass

NVNT	ac80	5210	-56.2	-56.19	-55.74	8.92	50.96	Average	54	Pass
NVNT	ac80	5210	-51.16	-50.24	-50.93	8.92	56.48	Peak	68.2	Pass
NVNT	ac80	5210	-57.81	-57.85	-57.76	8.92	49.33	Average	54	Pass
NVNT	ac80	5210	-51.33	-50.37	-50.19	8.92	56.33	Peak	68.2	Pass
NVNT	ac80	5210	-58.68	-58.89	-58.57	8.92	48.37	Average	54	Pass
NVNT	ac80	5210	-45.24	-44.34	-42.45	8.92	62.39	Peak	68.2	Pass
NVNT	ac80	5210	-55.19	-55.23	-55	8.92	51.95	Average	54	Pass
NVNT	ac80	5210	-46.38	-44.86	-43.21	8.92	61.60	Peak	68.2	Pass
NVNT	ac80	5210	-55.46	-55.6	-55.12	8.92	51.63	Average	54	Pass
NVNT	ax20	5180	-50.99	-50.62	-49	8.92	56.36	Peak	68.2	Pass
NVNT	ax20	5180	-59.12	-58.4	-58.8	8.92	48.41	Average	54	Pass
NVNT	ax20	5180	-42.54	-45.6	-44.02	8.92	63.35	Peak	68.2	Pass
NVNT	ax20	5180	-55.93	-55.37	-55.75	8.92	51.52	Average	54	Pass
NVNT	ax20	5180	-46.22	-45.46	-46.16	8.92	61.33	Peak	68.2	Pass
NVNT	ax20	5180	-56.03	-55.38	-55.95	8.92	51.47	Average	54	Pass
NVNT	ax20	5240	-49.38	-51	-50.45	8.92	57.04	Peak	68.2	Pass
NVNT	ax20	5240	-57.74	-58.84	-57.87	8.92	48.90	Average	54	Pass
NVNT	ax20	5240	-47.61	-47.86	-47.83	8.92	59.42	Peak	68.2	Pass
NVNT	ax20	5240	-57.47	-57.47	-57.45	8.92	49.69	Average	54	Pass
NVNT	ax20	5240	-48.91	-51.14	-50.37	8.92	57.27	Peak	68.2	Pass
NVNT	ax20	5240	-58.61	-58.44	-57.75	8.92	48.63	Average	54	Pass
NVNT	ax40	5190	-51.02	-48.74	-49.76	8.92	57.43	Peak	68.2	Pass
NVNT	ax40	5190	-58.89	-59.23	-59.27	8.92	48.10	Average	54	Pass
NVNT	ax40	5190	-45.41	-44.56	-45.43	8.92	62.19	Peak	68.2	Pass
NVNT	ax40	5190	-54.95	-55.29	-55.93	8.92	52.04	Average	54	Pass
NVNT	ax40	5190	-48.17	-45.03	-46.78	8.92	60.84	Peak	68.2	Pass
NVNT	ax40	5190	-54.95	-55.29	-55.93	8.92	52.04	Average	54	Pass
NVNT	ax40	5230	-50.34	-49.75	-50.92	8.92	57.12	Peak	68.2	Pass
NVNT	ax40	5230	-58.17	-58.18	-58.6	8.92	48.98	Average	54	Pass
NVNT	ax40	5230	-47.25	-46.61	-47.72	8.92	60.24	Peak	68.2	Pass
NVNT	ax40	5230	-57.24	-57.44	-57.47	8.92	49.82	Average	54	Pass
NVNT	ax40	5230	-49.6	-49.94	-51.18	8.92	57.39	Peak	68.2	Pass
NVNT	ax40	5230	-57.93	-57.91	-58.28	8.92	49.24	Average	54	Pass
NVNT	ax80	5210	-48.37	-47.59	-48.45	8.92	59.20	Peak	68.2	Pass
NVNT	ax80	5210	-56.71	-56.81	-56.83	8.92	50.40	Average	54	Pass
NVNT	ax80	5210	-46.13	-46.29	-46.39	8.92	60.95	Peak	68.2	Pass
NVNT	ax80	5210	-56.42	-56.26	-56.22	8.92	50.82	Average	54	Pass
NVNT	ax80	5210	-49.63	-49.76	-50.59	8.92	57.46	Peak	68.2	Pass
NVNT	ax80	5210	-57.82	-58.08	-57.69	8.92	49.21	Average	54	Pass
NVNT	ax80	5210	-51.2	-50.2	-50.69	8.92	56.49	Peak	68.2	Pass
NVNT	ax80	5210	-59.02	-58.87	-58.82	8.92	48.21	Average	54	Pass
NVNT	ax80	5210	-43.45	-45.35	-44	8.92	62.86	Peak	68.2	Pass
NVNT	ax80	5210	-55.31	-55.37	-55.44	8.92	51.82	Average	54	Pass
NVNT	ax80	5210	-47.56	-47.15	-44.84	8.92	59.81	Peak	68.2	Pass
NVNT	ax80	5210	-55.35	-55.01	-55.41	8.92	51.98	Average	54	Pass
NVNT	be20	5180	-48.99	-49.91	-50.95	8.92	57.73	Peak	68.2	Pass
NVNT	be20	5180	-58.66	-59.1	-59.09	8.92	48.28	Average	54	Pass
NVNT	be20	5180	-45.72	-45.77	-45.04	8.92	61.41	Peak	68.2	Pass
NVNT	be20	5180	-55.35	-56.18	-55.69	8.92	51.41	Average	54	Pass
NVNT	be20	5180	-46.31	-47.66	-45.54	8.92	60.23	Peak	68.2	Pass
NVNT	be20	5180	-55.49	-56.58	-55.91	8.92	51.16	Average	54	Pass
NVNT	be20	5240	-51.06	-51.82	-49.05	8.92	55.73	Peak	68.2	Pass
NVNT	be20	5240	-58.32	-57.89	-58.73	8.92	49.06	Average	54	Pass
NVNT	be20	5240	-46.34	-47.23	-46.46	8.92	60.40	Peak	68.2	Pass
NVNT	be20	5240	-57.47	-57.47	-57.42	8.92	49.69	Average	54	Pass
NVNT	be20	5240	-50.3	-50.92	-50.75	8.92	56.56	Peak	68.2	Pass

NVNT	be20	5240	-58.29	-58.03	-58.69	8.92	49.00	Average	54	Pass
NVNT	be40	5190	-51.21	-50.28	-49.72	8.92	56.44	Peak	68.2	Pass
NVNT	be40	5190	-58.73	-58.3	-58.73	8.92	48.65	Average	54	Pass
NVNT	be40	5190	-43.69	-44.86	-41.5	8.92	62.92	Peak	68.2	Pass
NVNT	be40	5190	-55.18	-54.92	-55.75	8.92	52.11	Average	54	Pass
NVNT	be40	5190	-47.05	-45.81	-41.5	8.92	60.77	Peak	68.2	Pass
NVNT	be40	5190	-55.18	-54.92	-55.8	8.92	52.11	Average	54	Pass
NVNT	be40	5230	-50.75	-50.1	-49.54	8.92	56.75	Peak	68.2	Pass
NVNT	be40	5230	-57.68	-58.39	-58.86	8.92	49.14	Average	54	Pass
NVNT	be40	5230	-47.05	-47.33	-47.16	8.92	59.97	Peak	68.2	Pass
NVNT	be40	5230	-57.25	-57.38	-57.5	8.92	49.84	Average	54	Pass
NVNT	be40	5230	-49.59	-50.27	-51.26	8.92	57.24	Peak	68.2	Pass
NVNT	be40	5230	-58.15	-58.65	-58.34	8.92	48.77	Average	54	Pass
NVNT	be80	5210	-49.29	-48.12	-48.92	8.92	58.49	Peak	68.2	Pass
NVNT	be80	5210	-56.65	-56.7	-57.12	8.92	50.48	Average	54	Pass
NVNT	be80	5210	-46.38	-45.54	-46.73	8.92	61.22	Peak	68.2	Pass
NVNT	be80	5210	-56.27	-56.6	-56.65	8.92	50.73	Average	54	Pass
NVNT	be80	5210	-48.78	-49.83	-50.67	8.92	57.88	Peak	68.2	Pass
NVNT	be80	5210	-57.51	-58.24	-58	8.92	49.30	Average	54	Pass
NVNT	be80	5210	-51.64	-50.52	-49.91	8.92	56.11	Peak	68.2	Pass
NVNT	be80	5210	-58.74	-58.99	-58.62	8.92	48.29	Average	54	Pass
NVNT	be80	5210	-44.62	-44.64	-43.43	8.92	62.53	Peak	68.2	Pass
NVNT	be80	5210	-55.32	-55.42	-55.53	8.92	51.79	Average	54	Pass
NVNT	be80	5210	-44.88	-46.68	-47.73	8.92	61.47	Peak	68.2	Pass
NVNT	be80	5210	-55.51	-55.91	-55.11	8.92	51.45	Average	54	Pass
NVNT	ac160	5250	-42.65	-54.66	-47.58	8.92	61.76	Peak	68.2	Pass
NVNT	ac160	5250	-65.66	-63.9	-62.79	8.92	42.47	Average	54	Pass
NVNT	ac160	5250	-42.65	-42.81	-42.18	8.92	64.43	Peak	68.2	Pass
NVNT	ac160	5250	-61.89	-60.94	-60.23	8.92	45.77	Average	54	Pass
NVNT	ac160	5250	-57.72	-58.89	-57.25	8.92	48.89	Peak	68.2	Pass
NVNT	ac160	5250	-66.55	-67.38	-66.76	8.92	40.21	Average	54	Pass
NVNT	ac160	5250	-60.77	-60.22	-60.01	8.92	46.67	Peak	68.2	Pass
NVNT	ac160	5250	-68.98	-68.57	-68.55	8.92	38.39	Average	54	Pass
NVNT	ac160	5250	-52.09	-50.24	-51.77	8.92	56.09	Peak	68.2	Pass
NVNT	ac160	5250	-64.96	-63.87	-64.91	8.92	42.78	Average	54	Pass
NVNT	ac160	5250	-56.96	-56.26	-55.86	8.92	50.56	Peak	68.2	Pass
NVNT	ac160	5250	-65.83	-66.26	-66.12	8.92	41.12	Average	54	Pass
NVNT	ax160	5250	-54.42	-51.53	-49.79	8.92	54.42	Peak	68.2	Pass
NVNT	ax160	5250	-64.16	-63.93	-60.69	8.92	43.11	Average	54	Pass
NVNT	ax160	5250	-44.24	-43.98	-41.01	8.92	63.05	Peak	68.2	Pass
NVNT	ax160	5250	-61.68	-61.72	-56.87	8.92	45.46	Average	54	Pass
NVNT	ax160	5250	-57.84	-59.17	-54.82	8.92	48.70	Peak	68.2	Pass
NVNT	ax160	5250	-66.81	-66.72	-66.17	8.92	40.39	Average	54	Pass
NVNT	ax160	5250	-60.94	-61.48	-60.67	8.92	45.96	Peak	68.2	Pass
NVNT	ax160	5250	-68.12	-68.5	-68.88	8.92	38.85	Average	54	Pass
NVNT	ax160	5250	-52.38	-50.69	-48.5	8.92	55.70	Peak	68.2	Pass
NVNT	ax160	5250	-63.99	-63.05	-62.78	8.92	43.66	Average	54	Pass
NVNT	ax160	5250	-55.23	-55.59	-53.79	8.92	51.75	Peak	68.2	Pass
NVNT	ax160	5250	-65.16	-65.03	-63.81	8.92	42.06	Average	54	Pass
NVNT	be160	5250	-51.77	-48.55	-37.64	8.92	57.29	Peak	68.2	Pass
NVNT	be160	5250	-57.62	-57.18	-57.39	8.92	49.76	Average	54	Pass
NVNT	be160	5250	-45.66	-41.72	-37.64	8.92	63.90	Peak	68.2	Pass
NVNT	be160	5250	-56.97	-56.33	-55.7	8.92	50.52	Average	54	Pass
NVNT	be160	5250	-50.42	-48.83	-49.36	8.92	57.61	Peak	68.2	Pass
NVNT	be160	5250	-57.63	-57.63	-57.65	8.92	49.53	Average	54	Pass
NVNT	be160	5250	-51.11	-48.62	-50.01	8.92	57.47	Peak	68.2	Pass

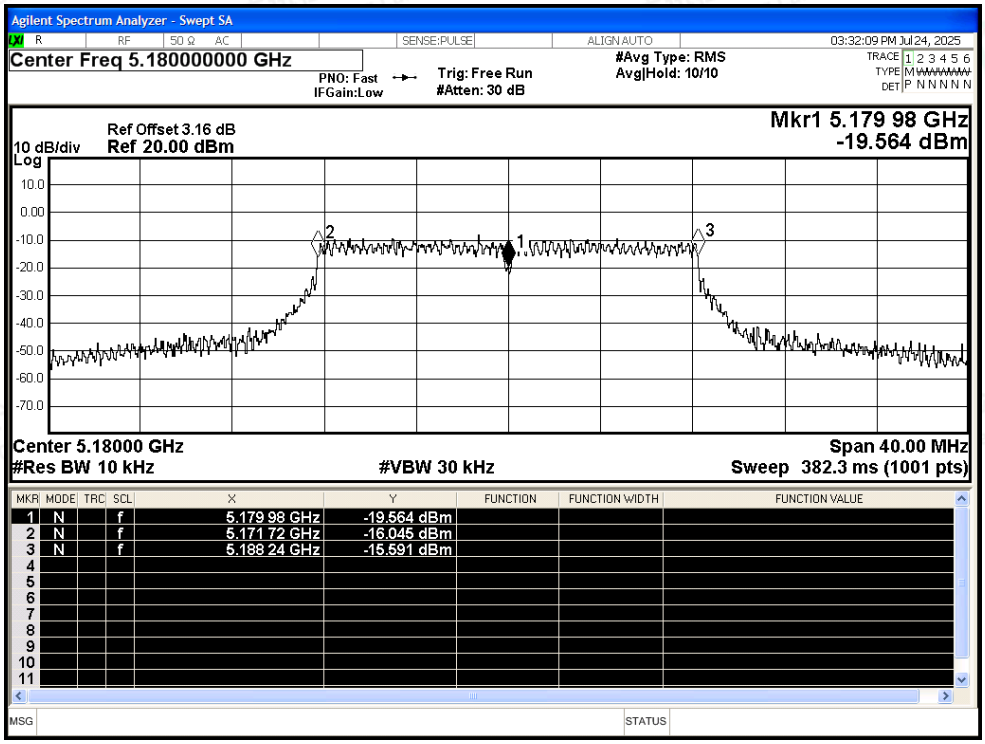
NVNT	be160	5250	-58.13	-59.09	-59.23	8.92	48.57	Average	54	Pass
NVNT	be160	5250	-46.21	-46.02	-41.51	8.92	61.04	Peak	68.2	Pass
NVNT	be160	5250	-56.35	-56.26	-55.74	8.92	50.85	Average	54	Pass
NVNT	be160	5250	-48.16	-48.07	-44.85	8.92	59.04	Peak	68.2	Pass
NVNT	be160	5250	-57.39	-57.36	-57.04	8.92	49.78	Average	54	Pass

B.5 Frequency Stability

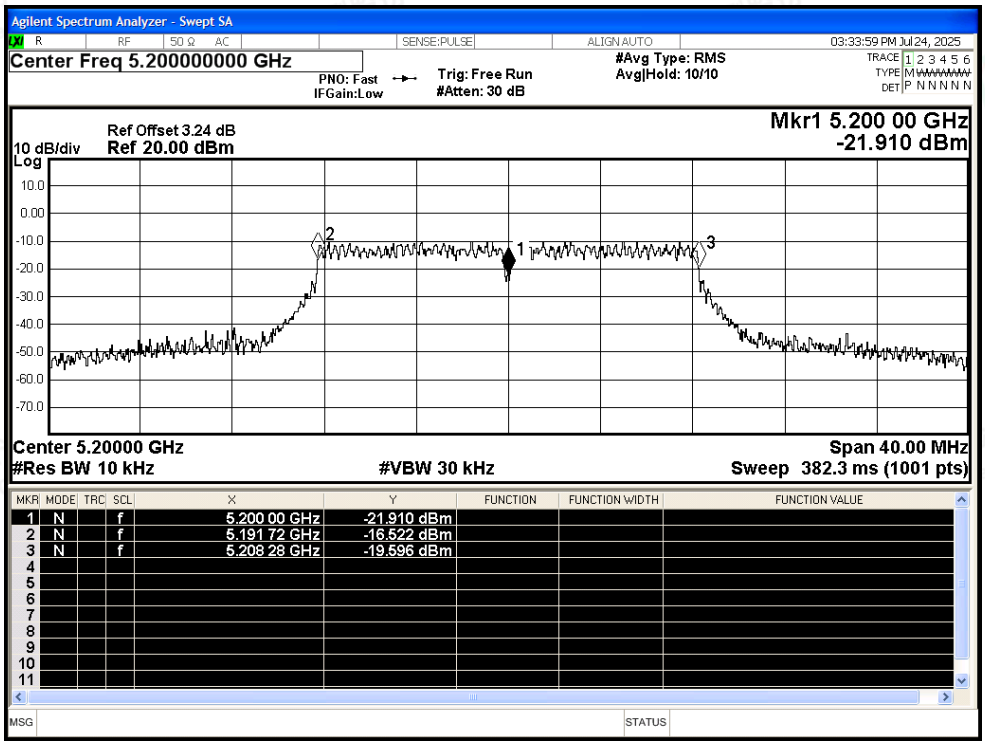
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	a	5180	Ant1	5179.98	-20000	-3.86	25	Pass
NVNT	a	5200	Ant1	5200	0	0	25	Pass
NVNT	a	5240	Ant1	5239.98	-20000	-3.82	25	Pass
NVNT	n20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
NVNT	n20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
NVNT	n20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
NVNT	n40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
NVNT	n40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
NVNT	ac20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
NVNT	ac20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
NVNT	ac20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
NVNT	ac40	5190	Ant1	5190	0	0	25	Pass
NVNT	ac40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
NVNT	ac80	5210	Ant1	5210	0	0	25	Pass
NVNT	ax20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
NVNT	ax20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
NVNT	ax20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
NVNT	ax40	5190	Ant1	5190	0	0	25	Pass
NVNT	ax40	5230	Ant1	5230	0	0	25	Pass
NVNT	ax80	5210	Ant1	5210	0	0	25	Pass
NVNT	be20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
NVNT	be20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
NVNT	be20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
NVNT	be40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
NVNT	be40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
NVNT	be80	5210	Ant1	5210	0	0	25	Pass
NVNT	ac160	5250	Ant1	5250	0	0	25	Pass
NVNT	ax160	5250	Ant1	5250	0	0	25	Pass
NVNT	be160	5250	Ant1	5250	0	0	25	Pass

Test Graphs

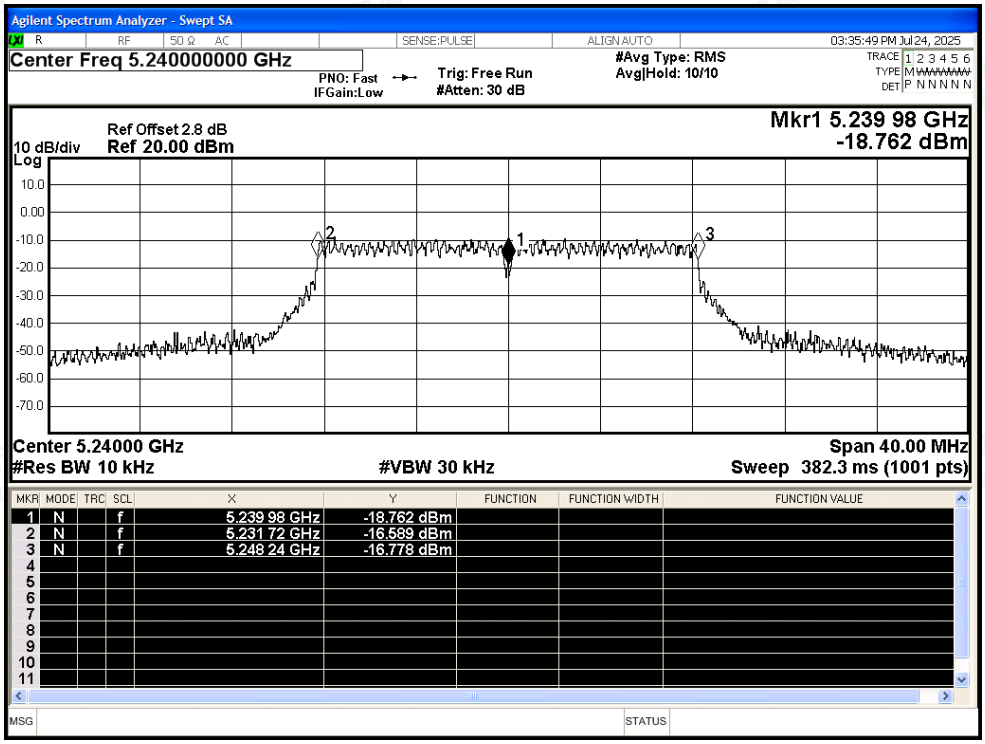
Freq. Stability NVNT a 5180MHz Ant1



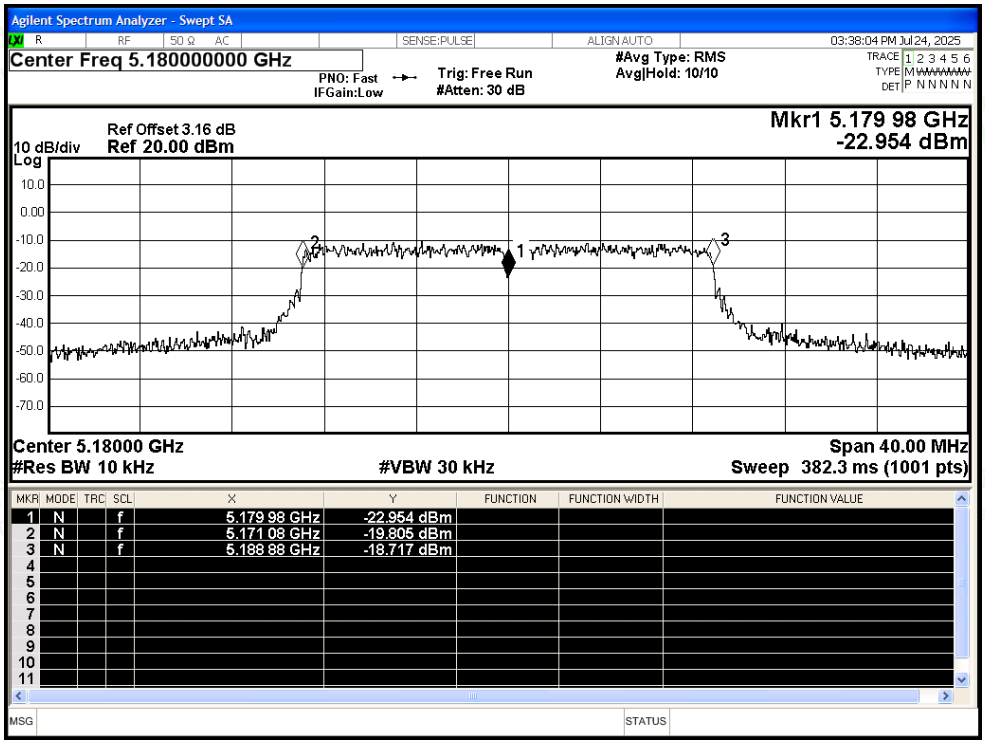
Freq. Stability NVNT a 5200MHz Ant1



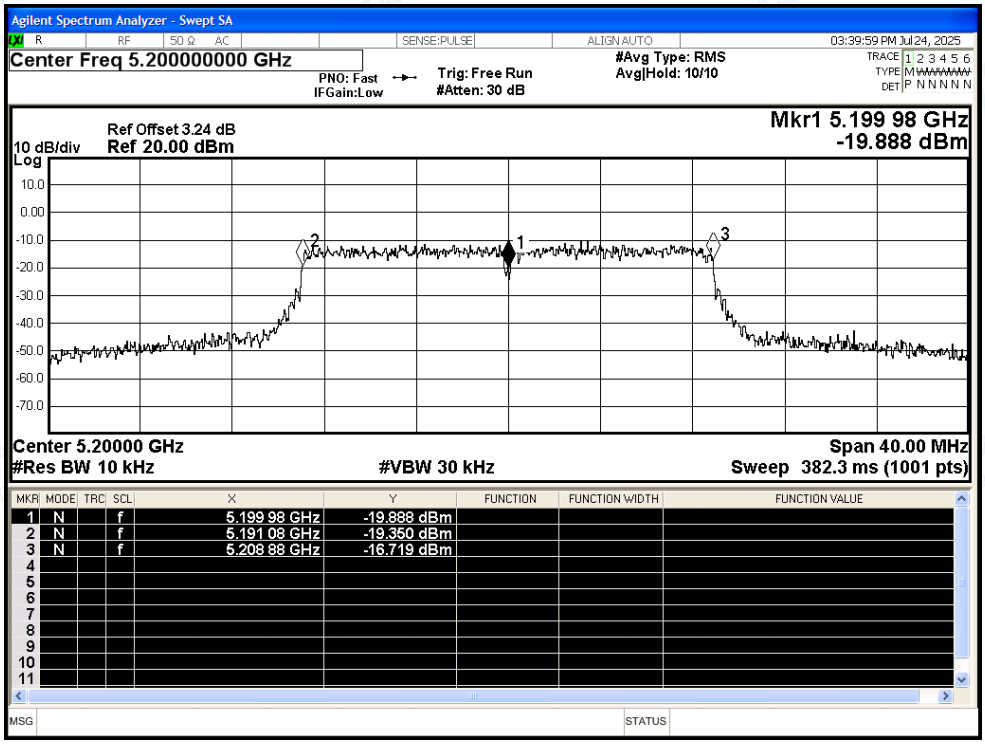
Freq. Stability NVNT a 5240MHz Ant1



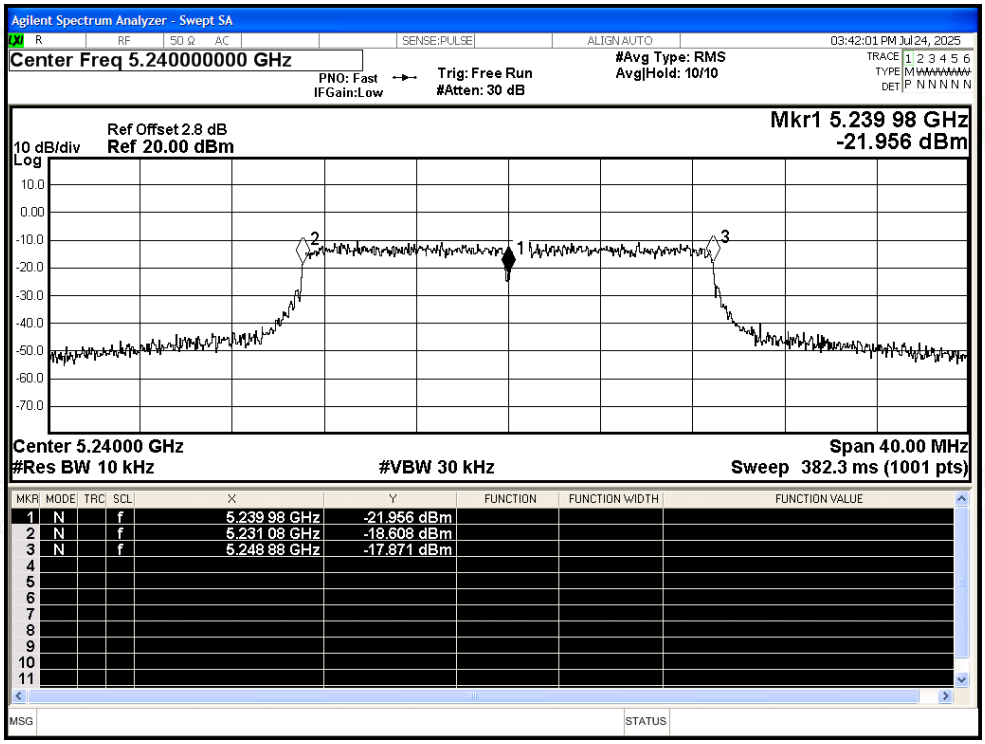
Freq. Stability NVNT n20 5180MHz Ant1



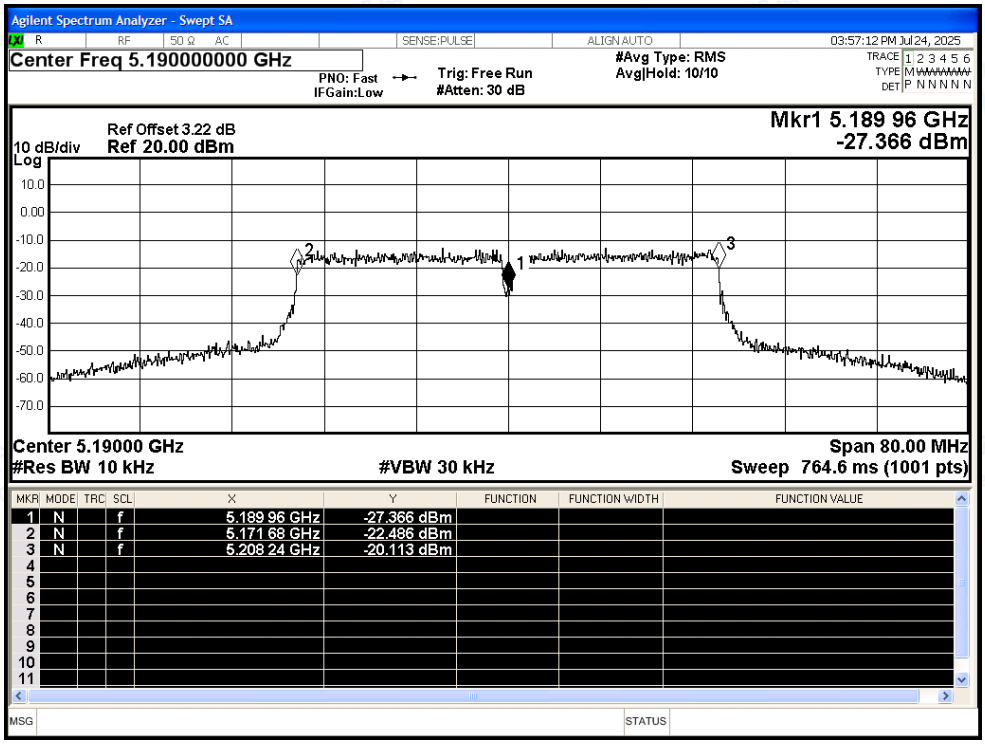
Freq. Stability NVNT n20 5200MHz Ant1



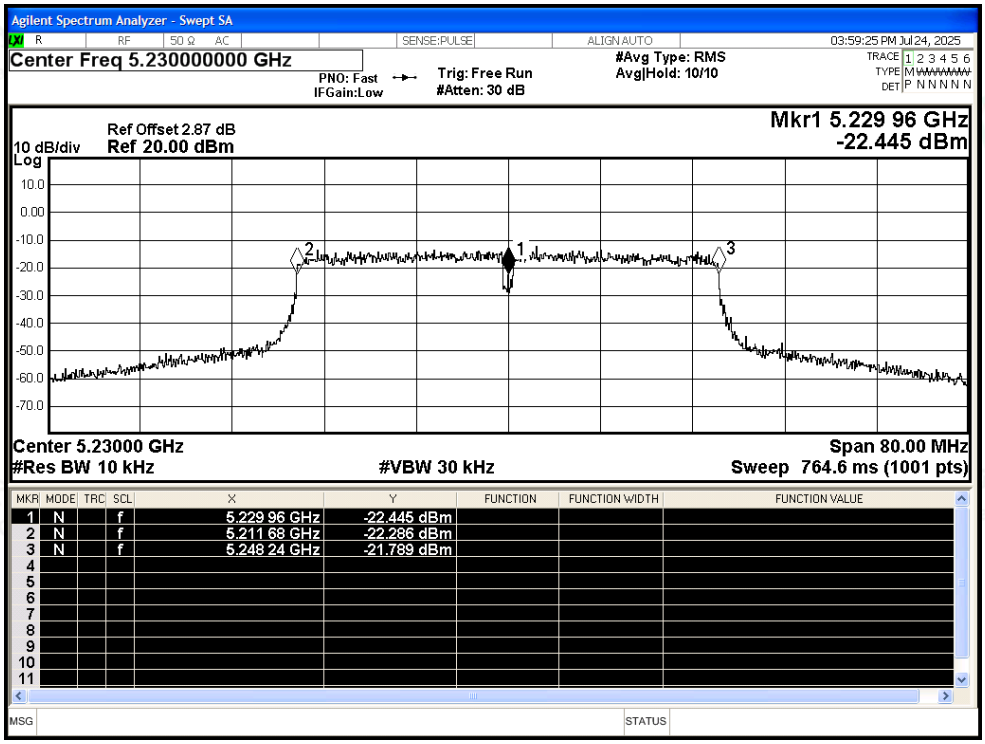
Freq. Stability NVNT n20 5240MHz Ant1



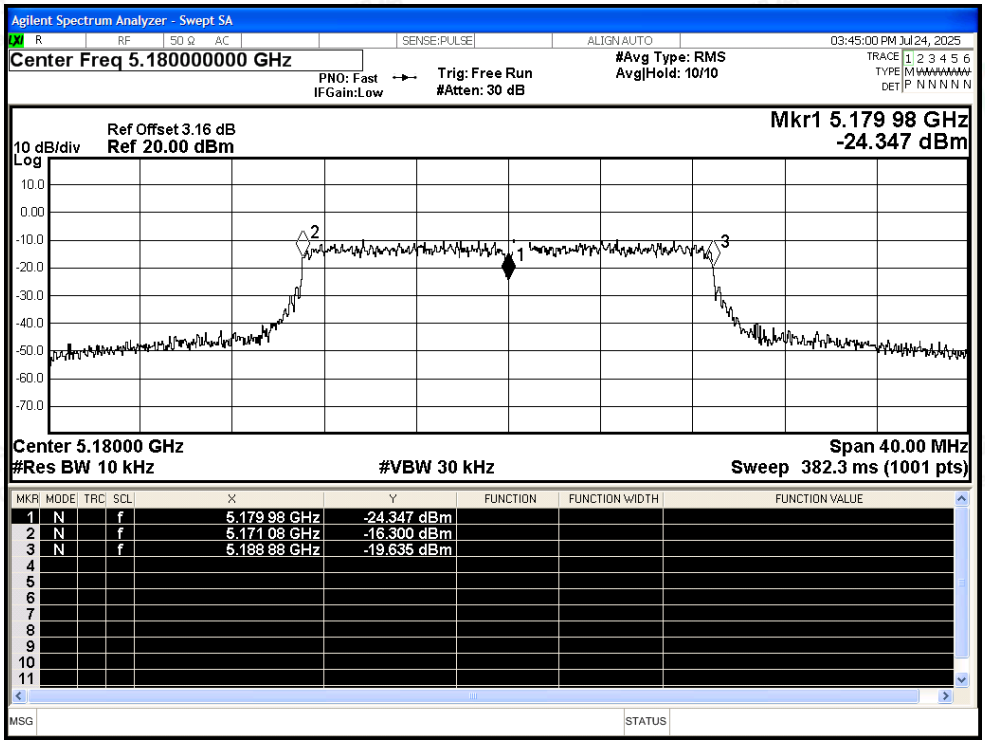
Freq. Stability NVNT n40 5190MHz Ant1



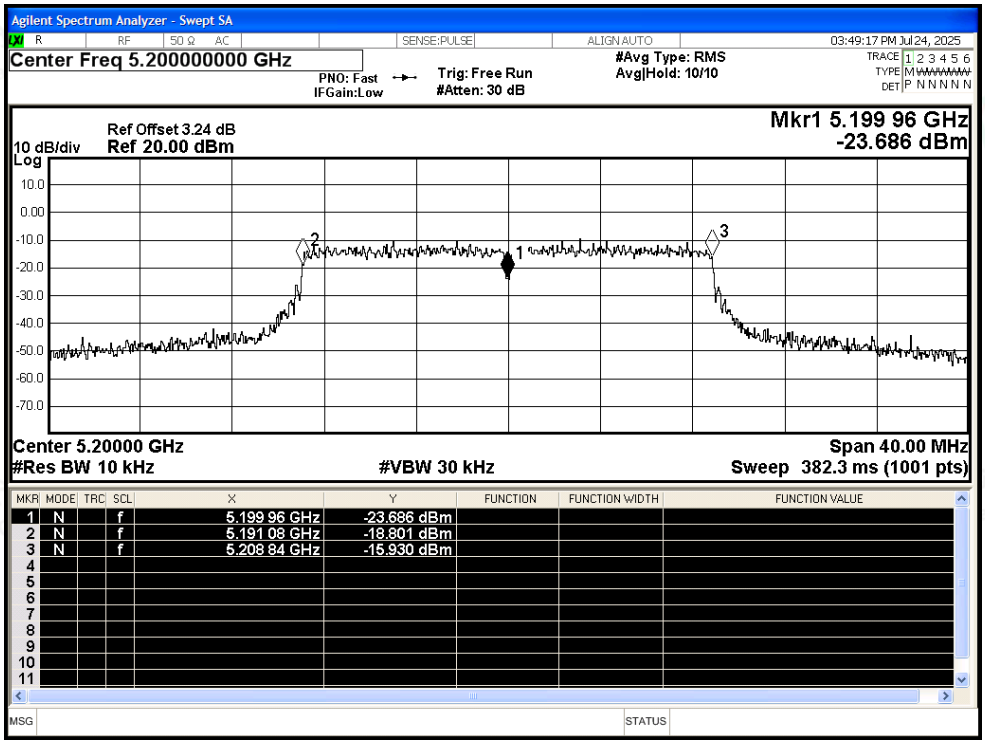
Freq. Stability NVNT n40 5230MHz Ant1



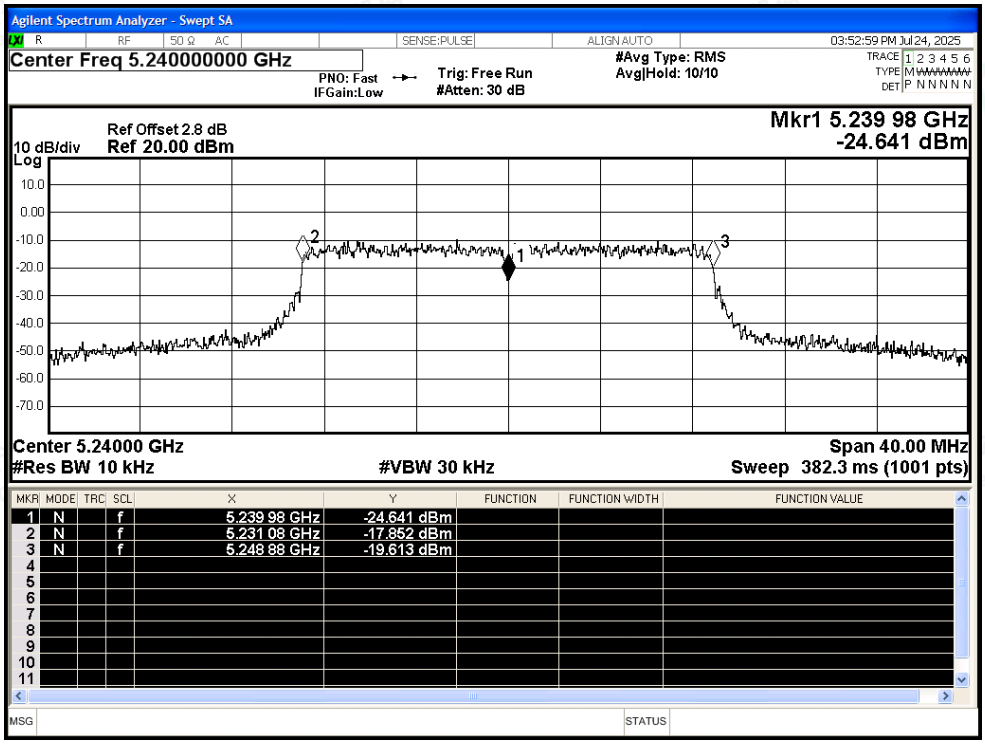
Freq. Stability NVNT ac20 5180MHz Ant1



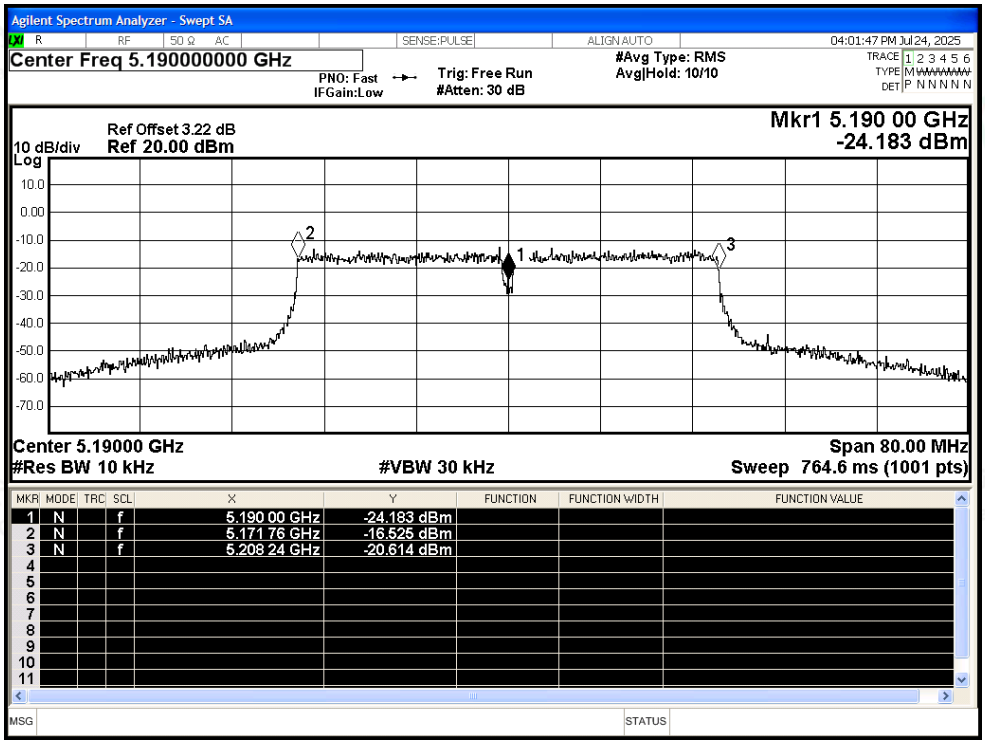
Freq. Stability NVNT ac20 5200MHz Ant1



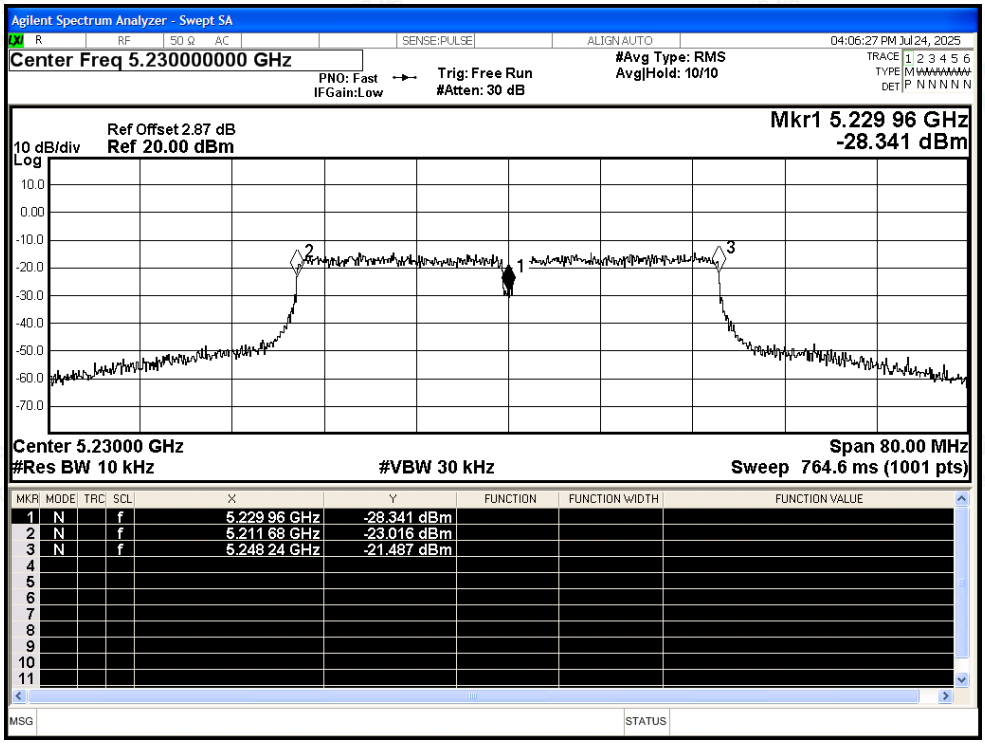
Freq. Stability NVNT ac20 5240MHz Ant1



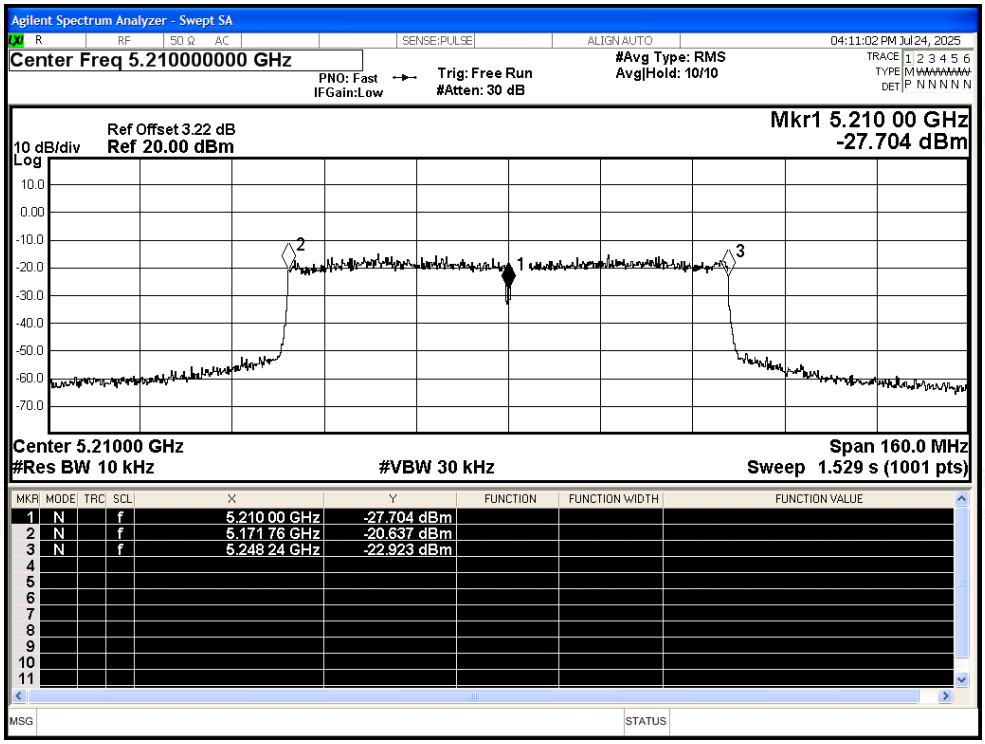
Freq. Stability NVNT ac40 5190MHz Ant1



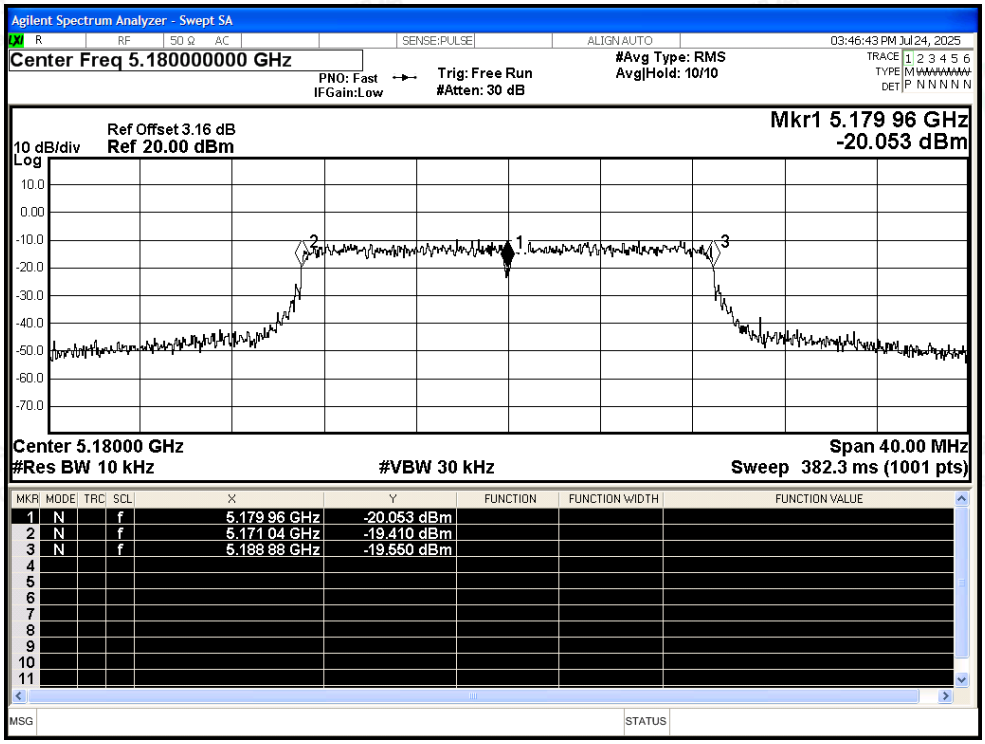
Freq. Stability NVNT ac40 5230MHz Ant1



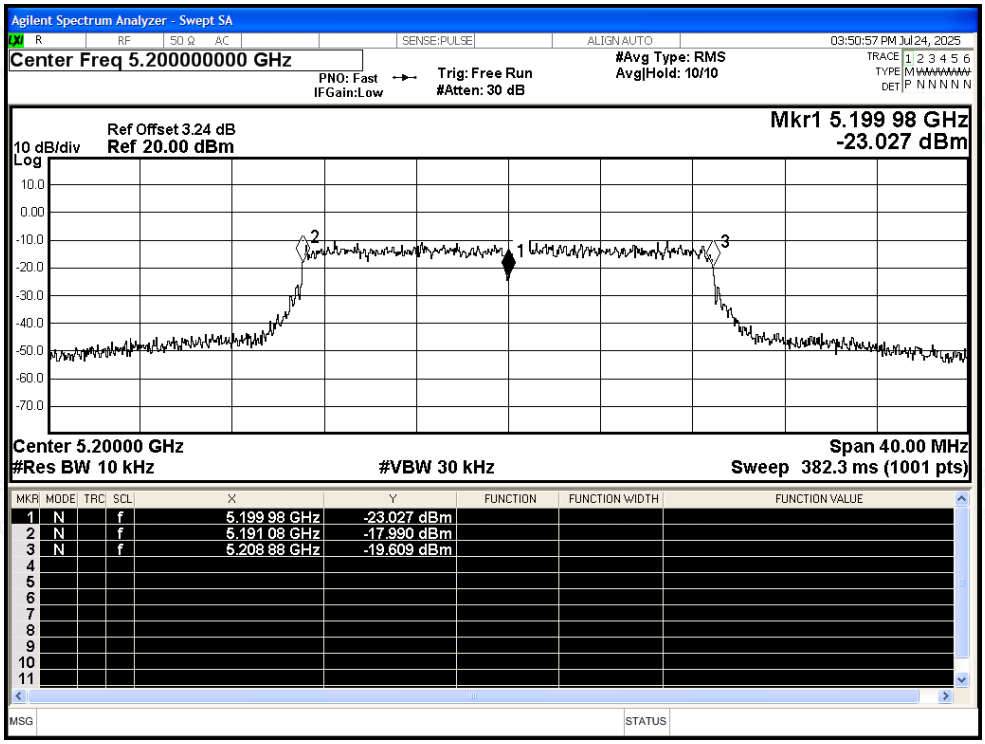
Freq. Stability NVNT ac80 5210MHz Ant1



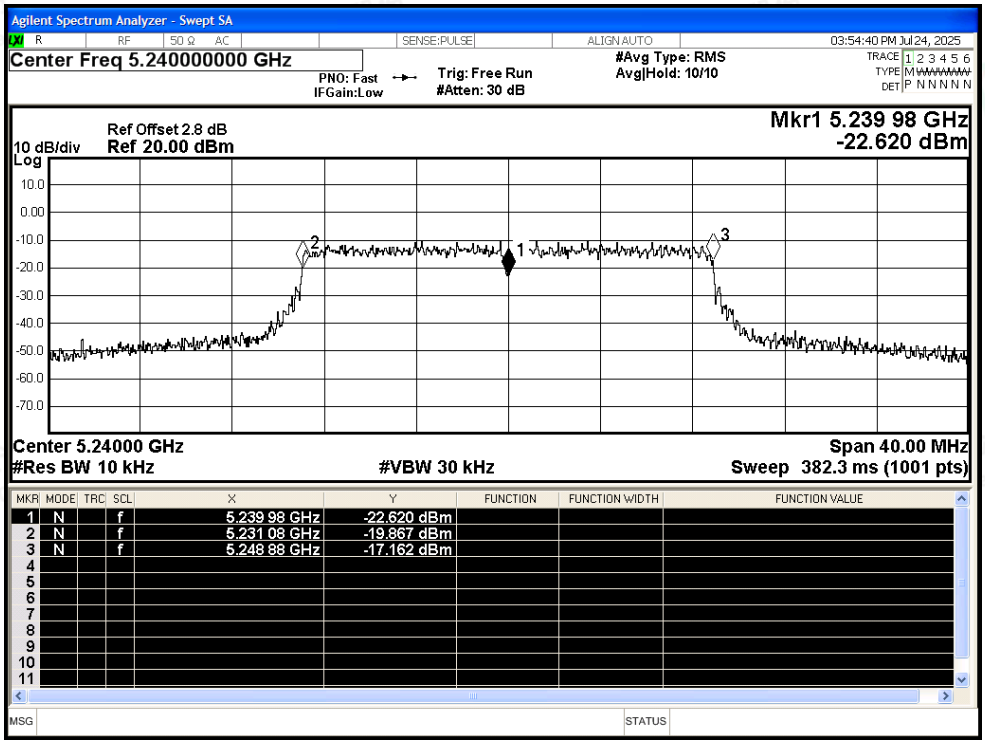
Freq. Stability NVNT ax20 5180MHz Ant1



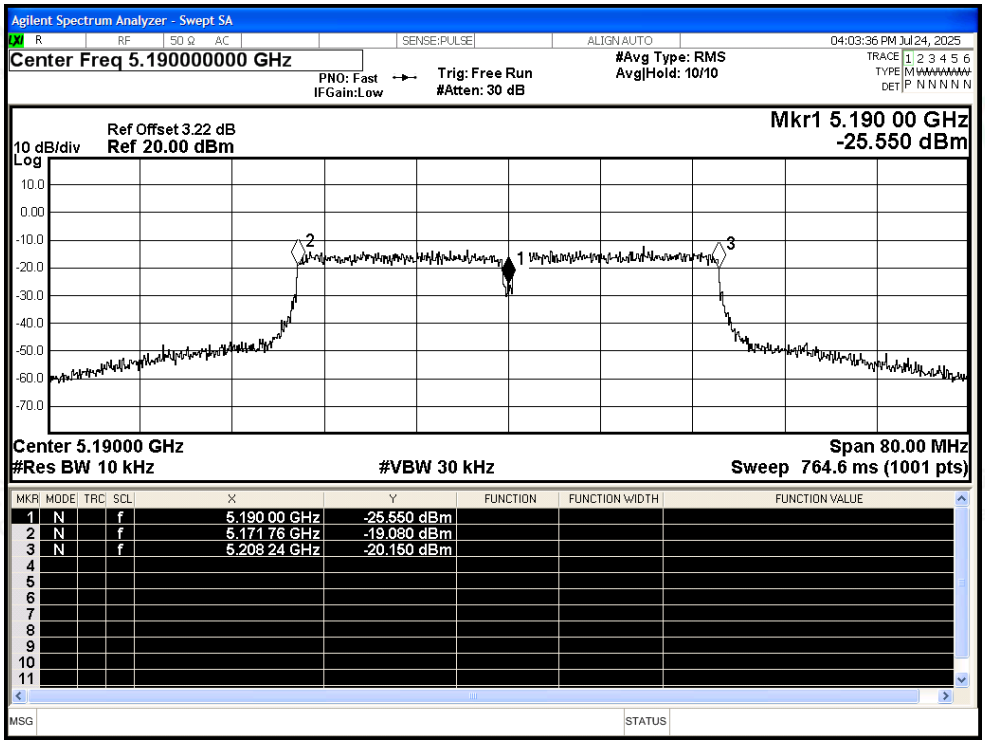
Freq. Stability NVNT ax20 5200MHz Ant1



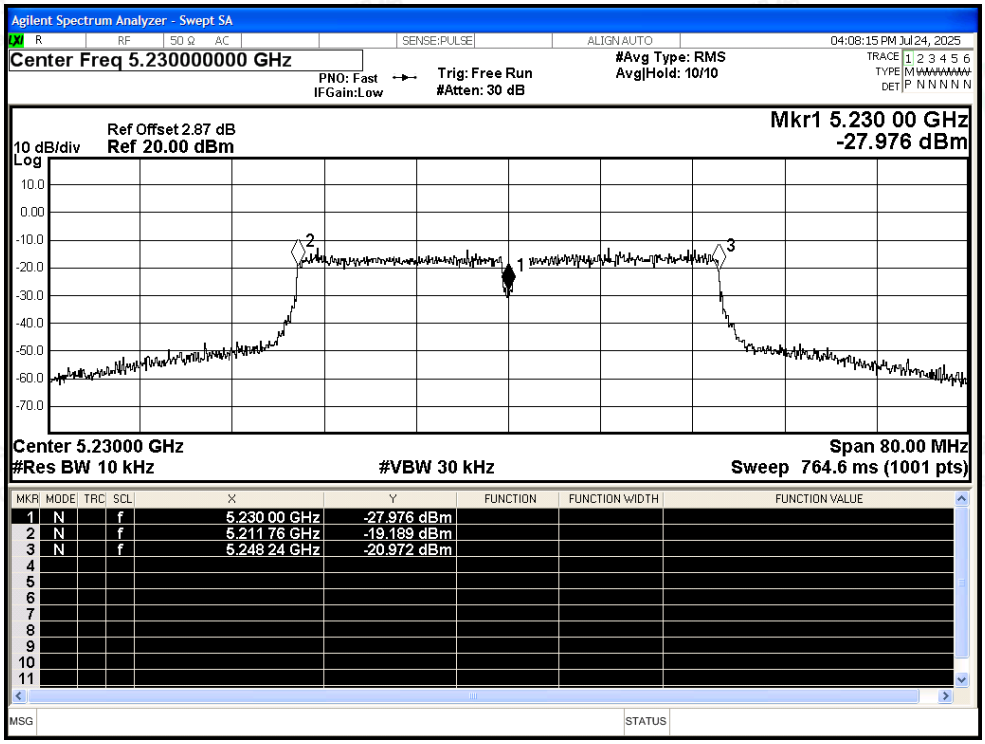
Freq. Stability NVNT ax20 5240MHz Ant1



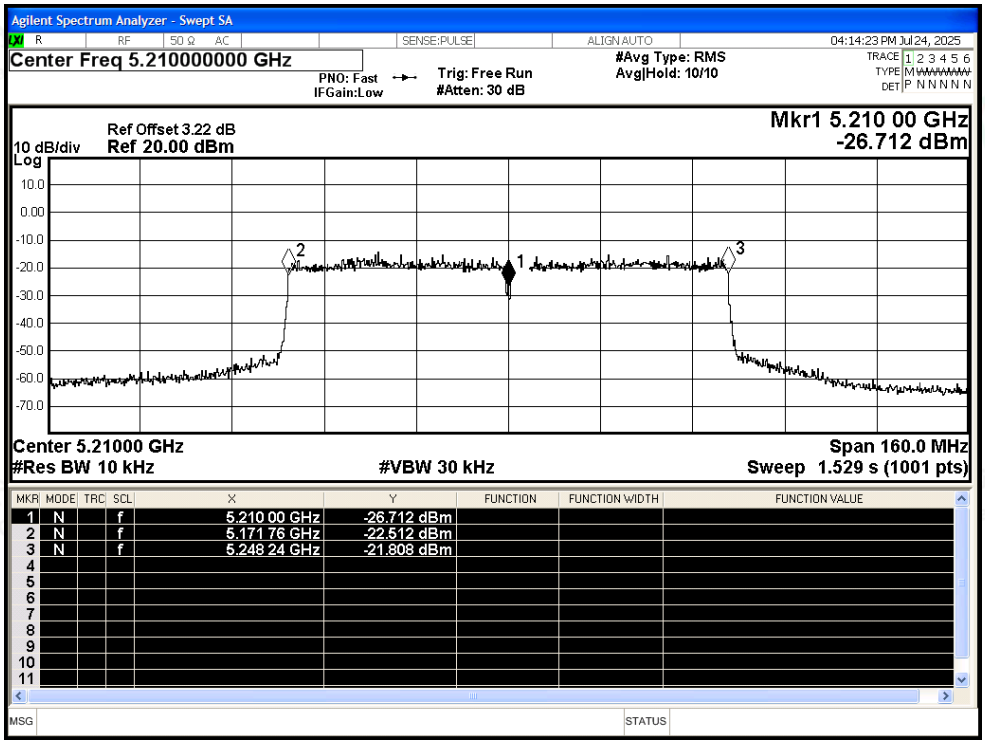
Freq. Stability NVNT ax40 5190MHz Ant1



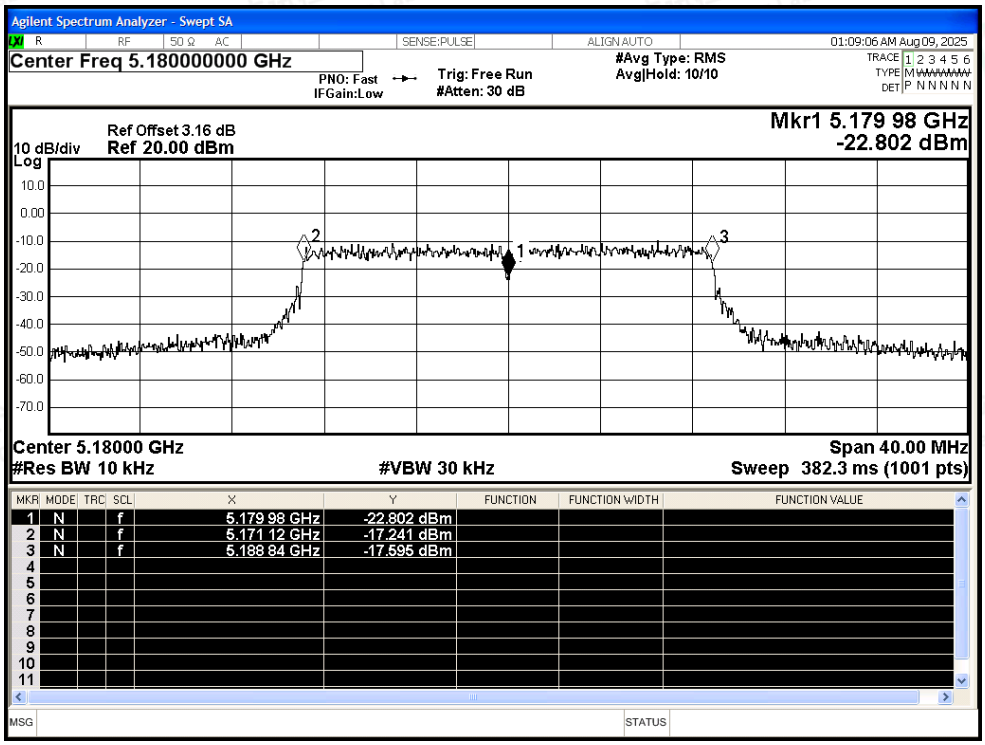
Freq. Stability NVNT ax40 5230MHz Ant1



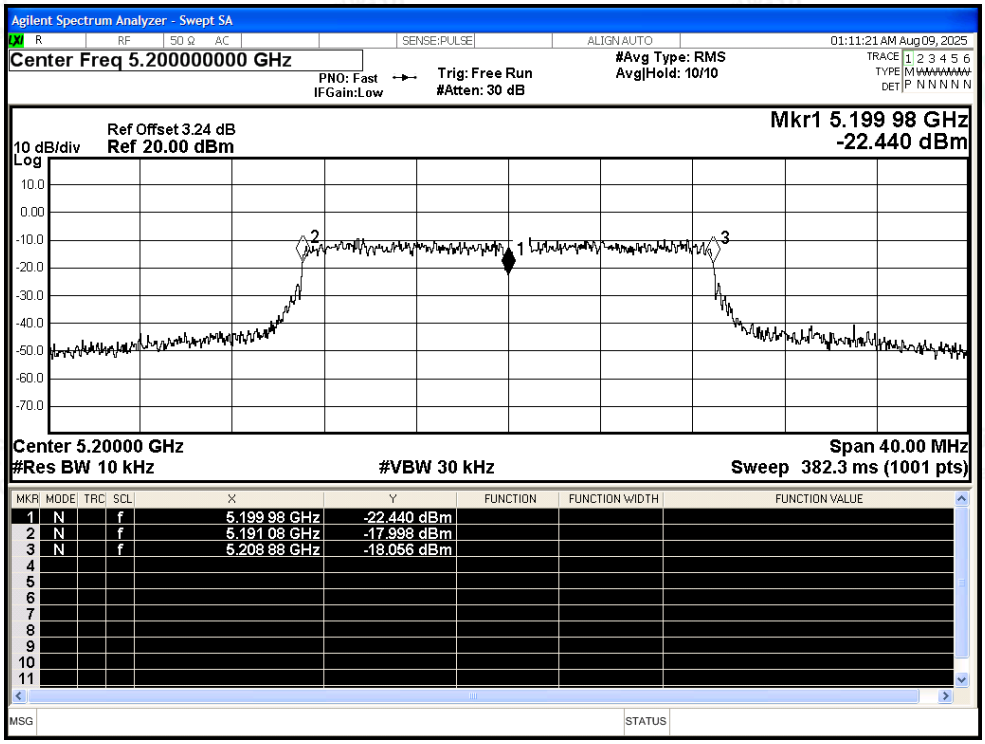
Freq. Stability NVNT ax80 5210MHz Ant1



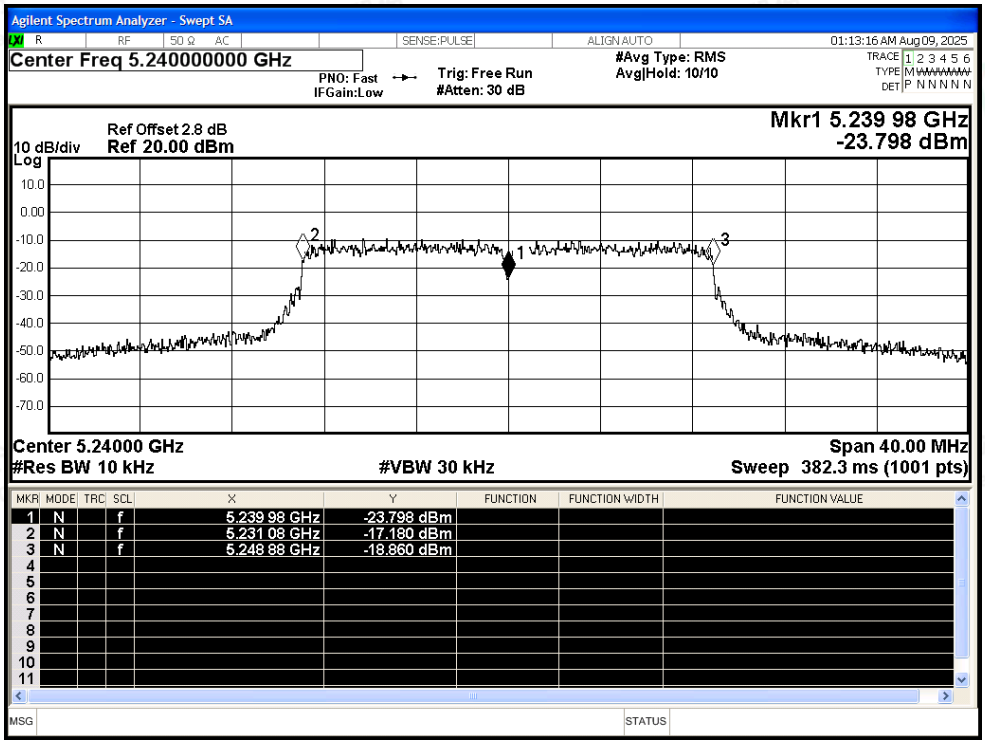
Freq. Stability NVNT be20 5180MHz Ant1



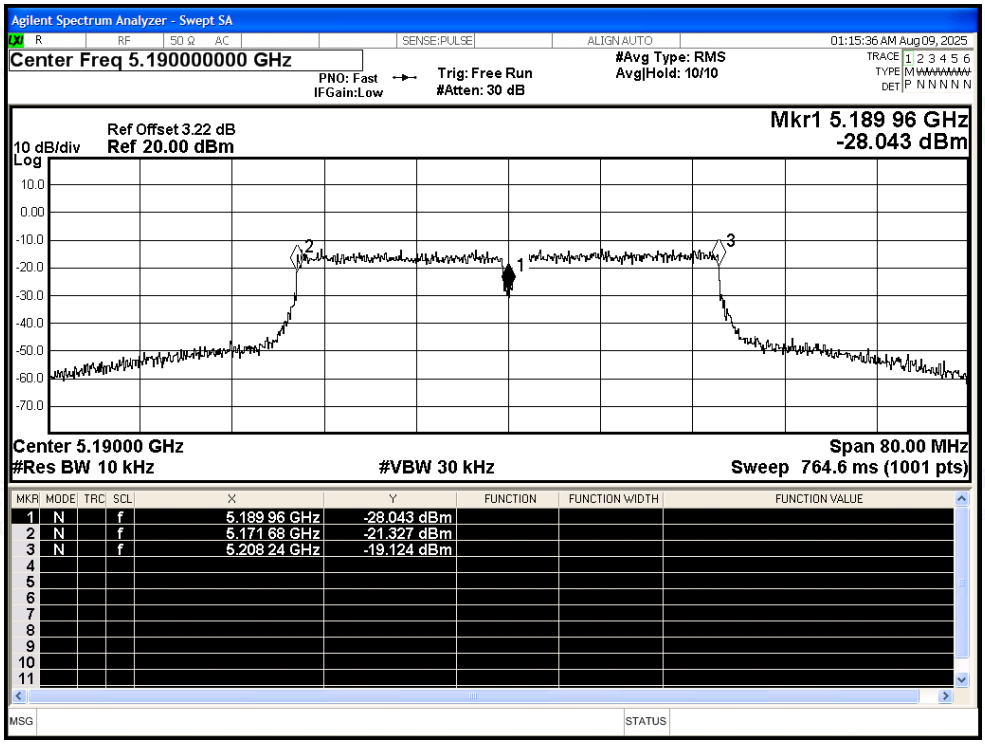
Freq. Stability NVNT be20 5200MHz Ant1



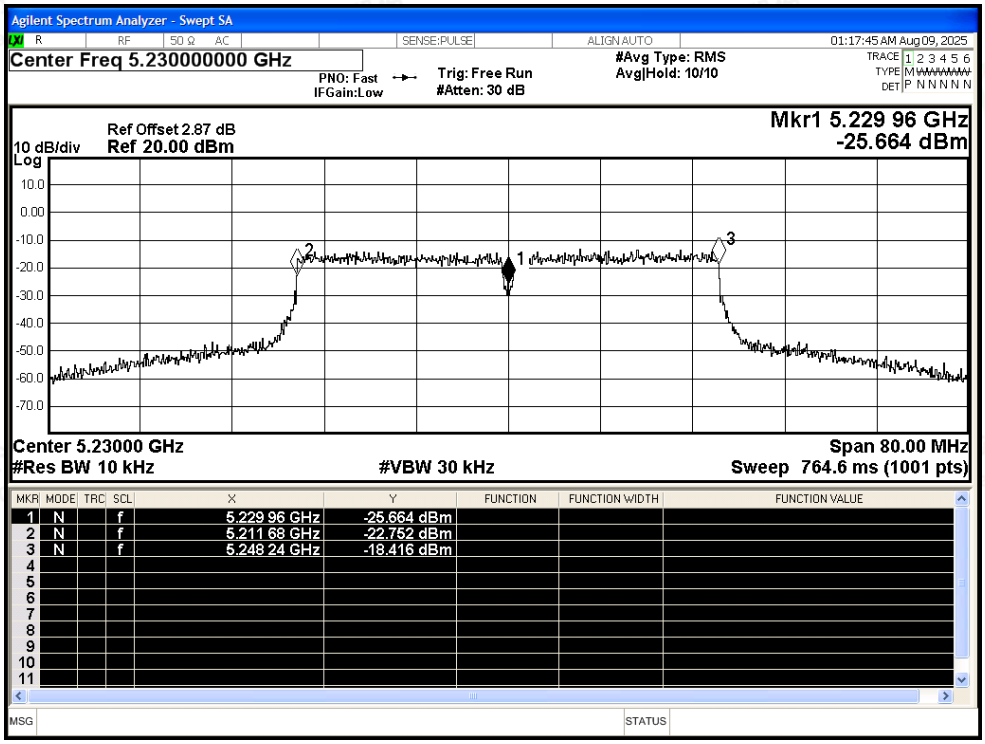
Freq. Stability NVNT be20 5240MHz Ant1



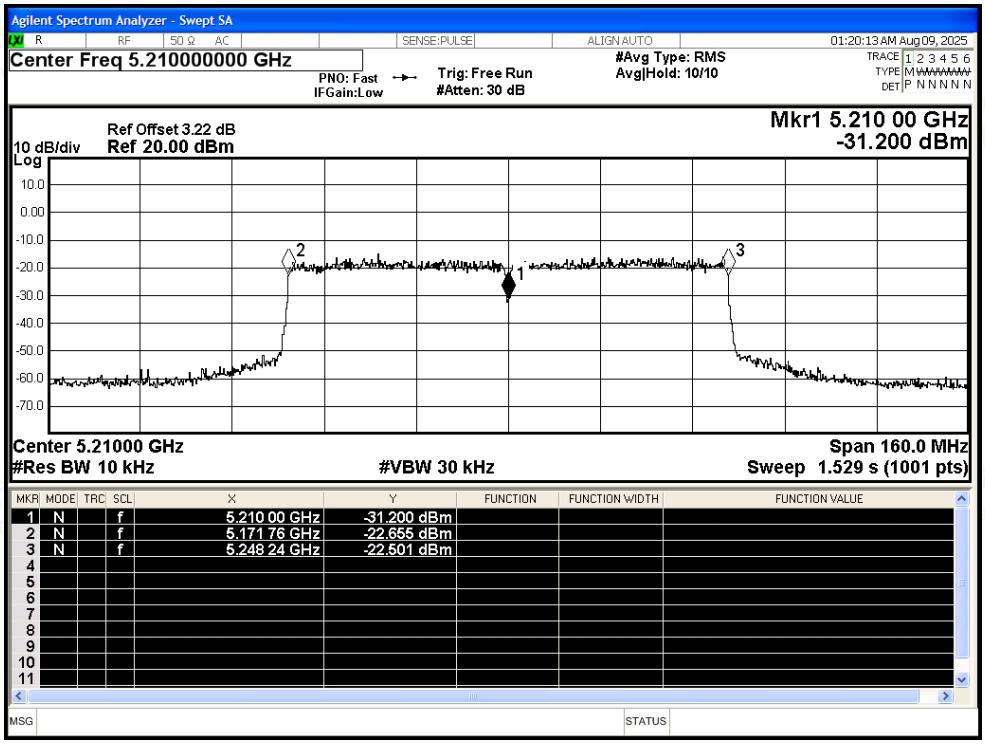
Freq. Stability NVNT be40 5190MHz Ant1



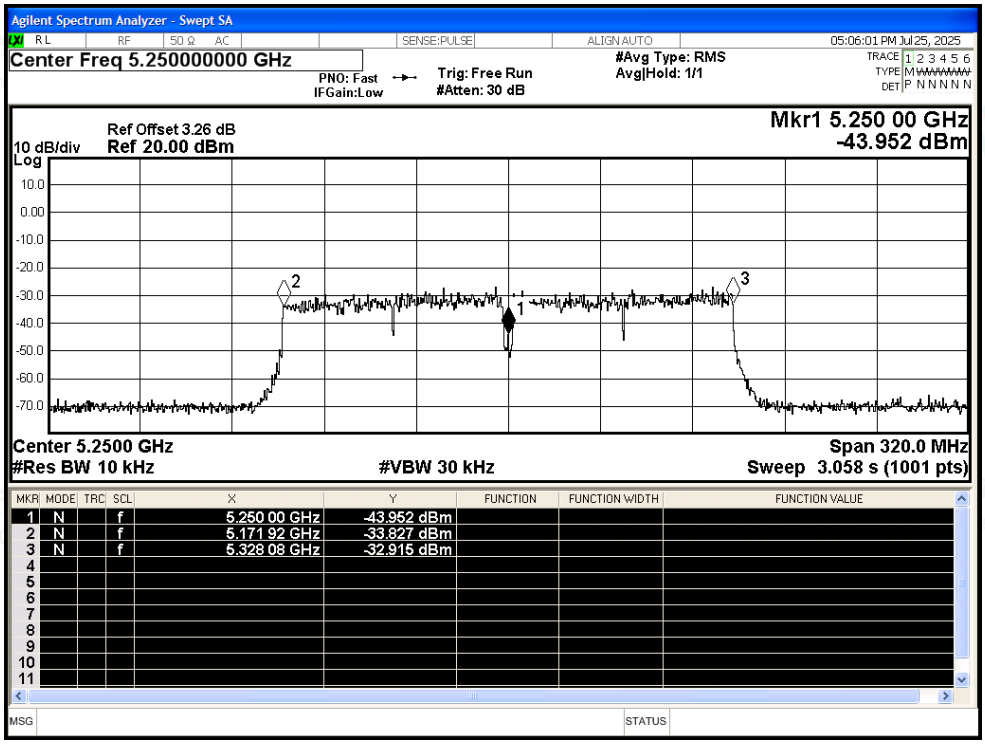
Freq. Stability NVNT be40 5230MHz Ant1



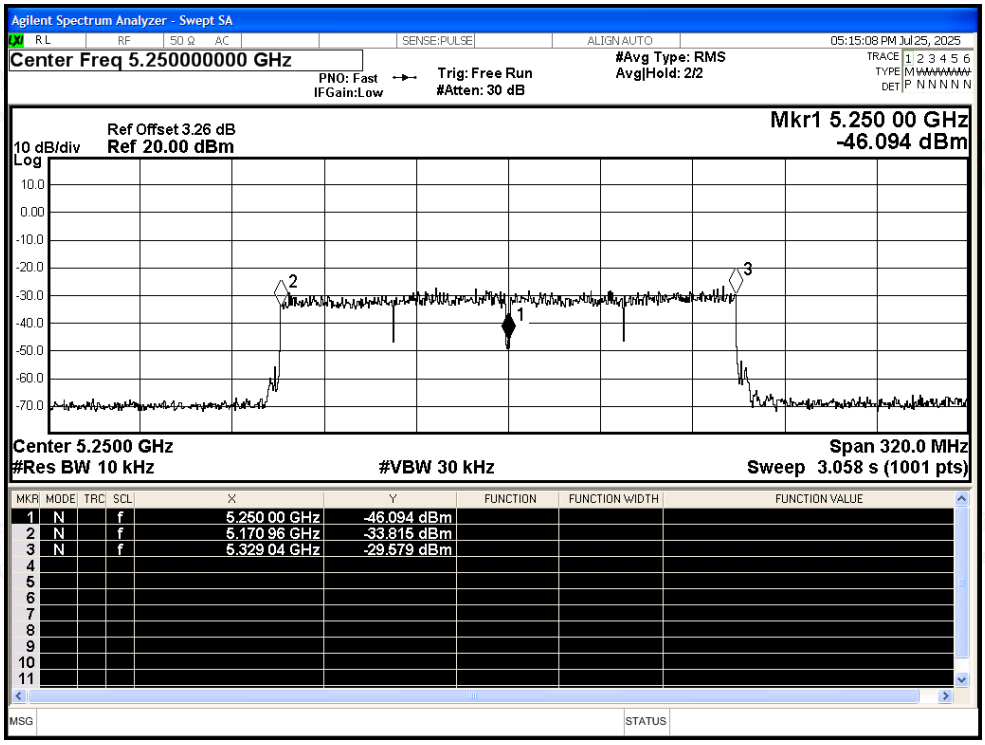
Freq. Stability NVNT be80 5210MHz Ant1



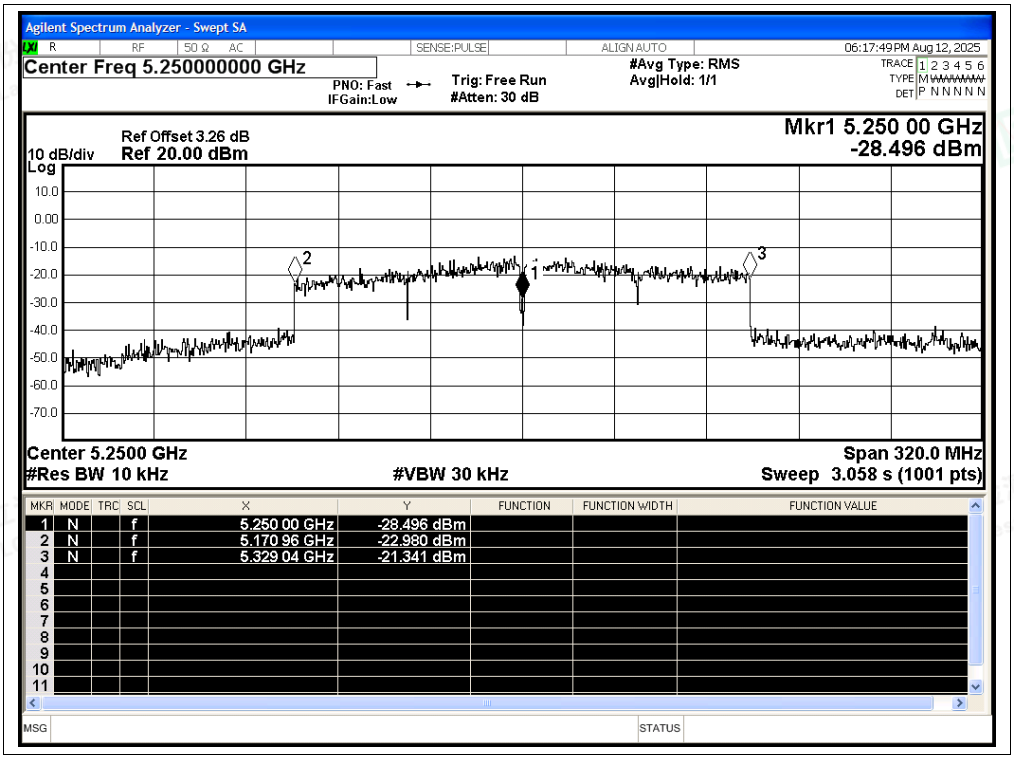
Freq. Stability NVNT ac160 5250MHz Ant1



Freq. Stability NVNT ax160 5250MHz Ant1



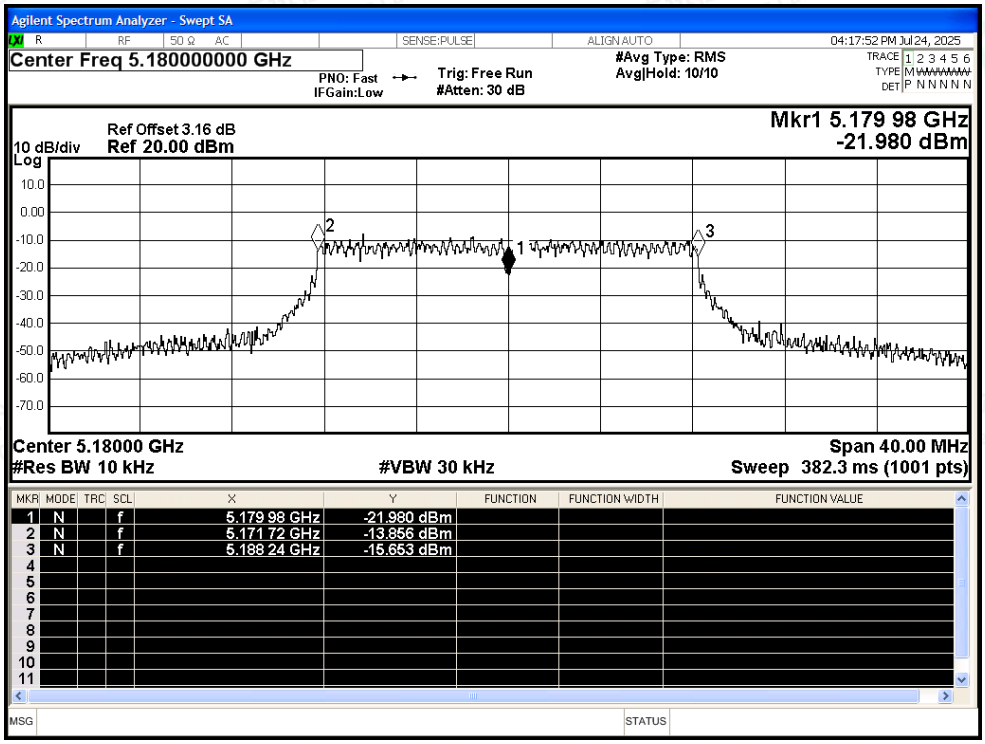
Freq. Stability NVNT be160 5250MHz Ant1


Agilent Spectrum Analyzer - Swept SA
Center Freq 5.250000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 1/1
06:17:49 PM Aug 12, 2025
Ref Offset 3.26 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 5.250 00 GHz
-28.496 dBm
Center 5.2500 GHz
#Res BW 10 kHz
#VBW 30 kHz
Span 320.0 MHz
Sweep 3.058 s (1001 pts)
1 N 1 f 5.250 00 GHz -28.496 dBm
2 N 1 f 5.170 96 GHz -22.980 dBm
3 N 1 f 5.329 04 GHz -21.341 dBm

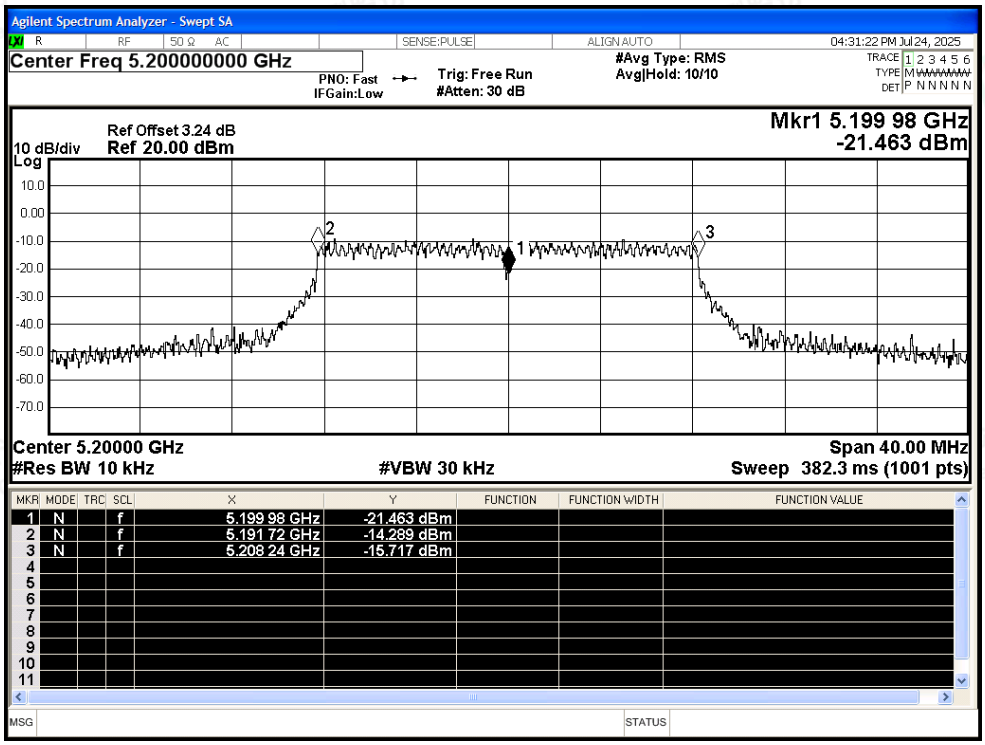
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	a	5180	Ant2	5179.98	-20000	-3.86	25	Pass
NVNT	a	5200	Ant2	5199.98	-20000	-3.85	25	Pass
NVNT	a	5240	Ant2	5239.98	-20000	-3.82	25	Pass
NVNT	n20	5180	Ant2	5179.98	-20000	-3.86	25	Pass
NVNT	n20	5200	Ant2	5199.98	-20000	-3.85	25	Pass
NVNT	n20	5240	Ant2	5240	0	0	25	Pass
NVNT	n40	5190	Ant2	5190	0	0	25	Pass
NVNT	n40	5230	Ant2	5230	0	0	25	Pass
NVNT	ac20	5180	Ant2	5180	0	0	25	Pass
NVNT	ac20	5200	Ant2	5199.98	-20000	-3.85	25	Pass
NVNT	ac20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
NVNT	ac40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
NVNT	ac40	5230	Ant2	5229.96	-40000	-7.65	25	Pass
NVNT	ac80	5210	Ant2	5210	0	0	25	Pass
NVNT	ax20	5180	Ant2	5179.98	-20000	-3.86	25	Pass
NVNT	ax20	5200	Ant2	5199.98	-20000	-3.85	25	Pass
NVNT	ax20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
NVNT	ax40	5190	Ant2	5190	0	0	25	Pass
NVNT	ax40	5230	Ant2	5230	0	0	25	Pass
NVNT	ax80	5210	Ant2	5210	0	0	25	Pass
NVNT	be20	5180	Ant2	5179.98	-20000	-3.86	25	Pass
NVNT	be20	5200	Ant2	5200	0	0	25	Pass
NVNT	be20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
NVNT	be40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
NVNT	be40	5230	Ant2	5229.96	-40000	-7.65	25	Pass
NVNT	be80	5210	Ant2	5210	0	0	25	Pass
NVNT	ac160	5250	Ant2	5250	0	0	25	Pass
NVNT	ax160	5250	Ant2	5250	0	0	25	Pass
NVNT	be160	5250	Ant2	5250	0	0	25	Pass

Test Graphs

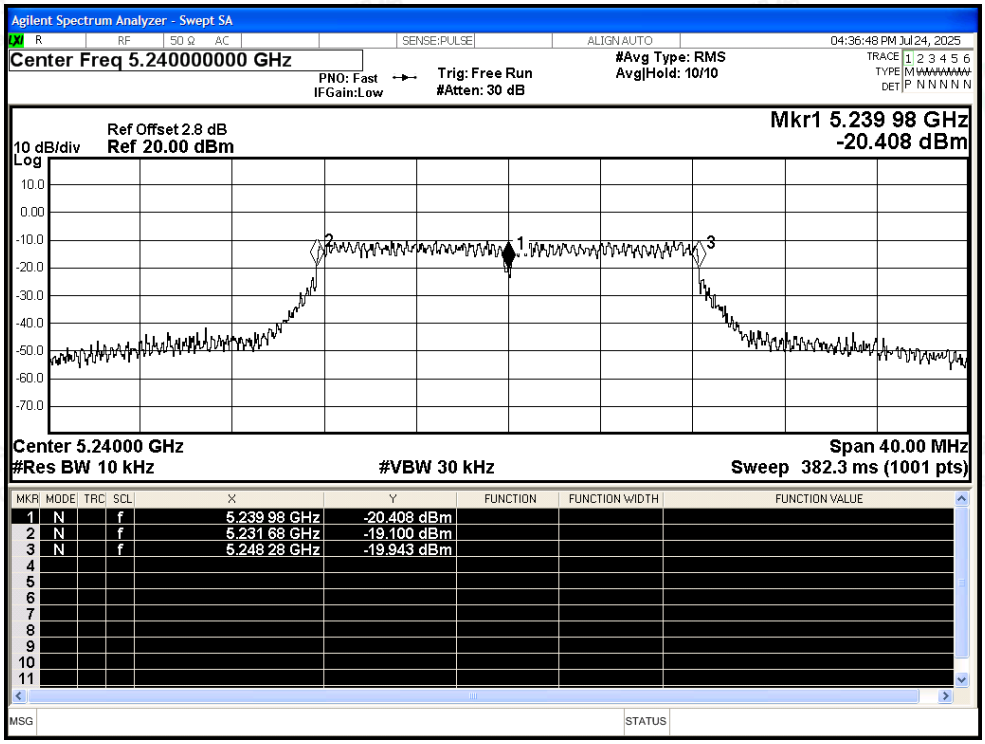
Freq. Stability NVNT a 5180MHz Ant2



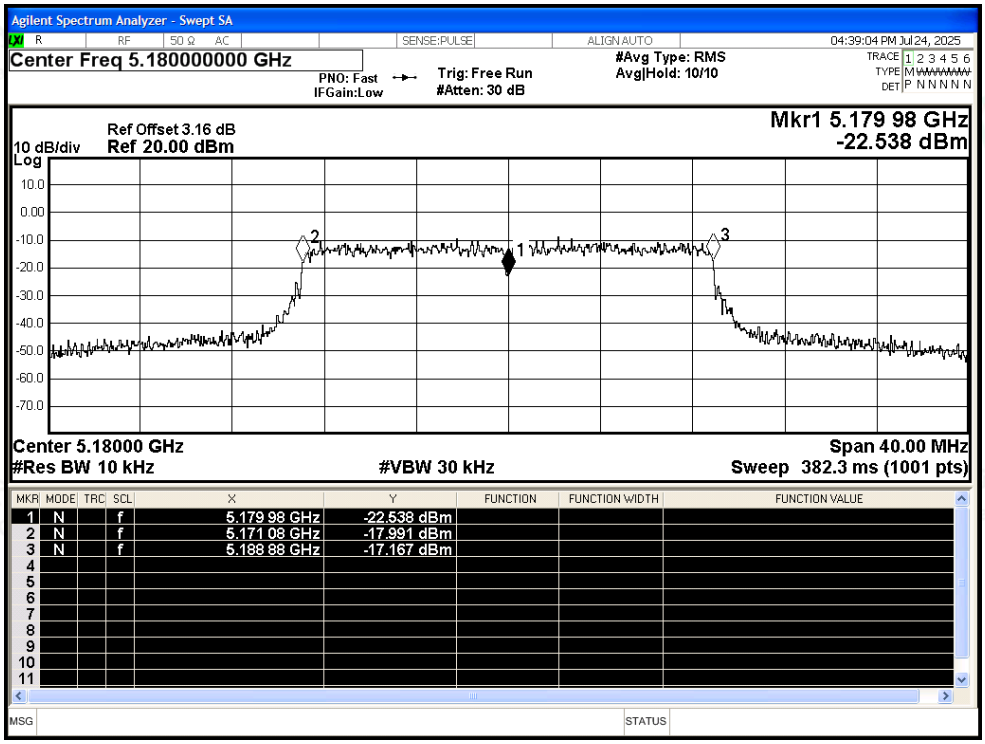
Freq. Stability NVNT a 5200MHz Ant2



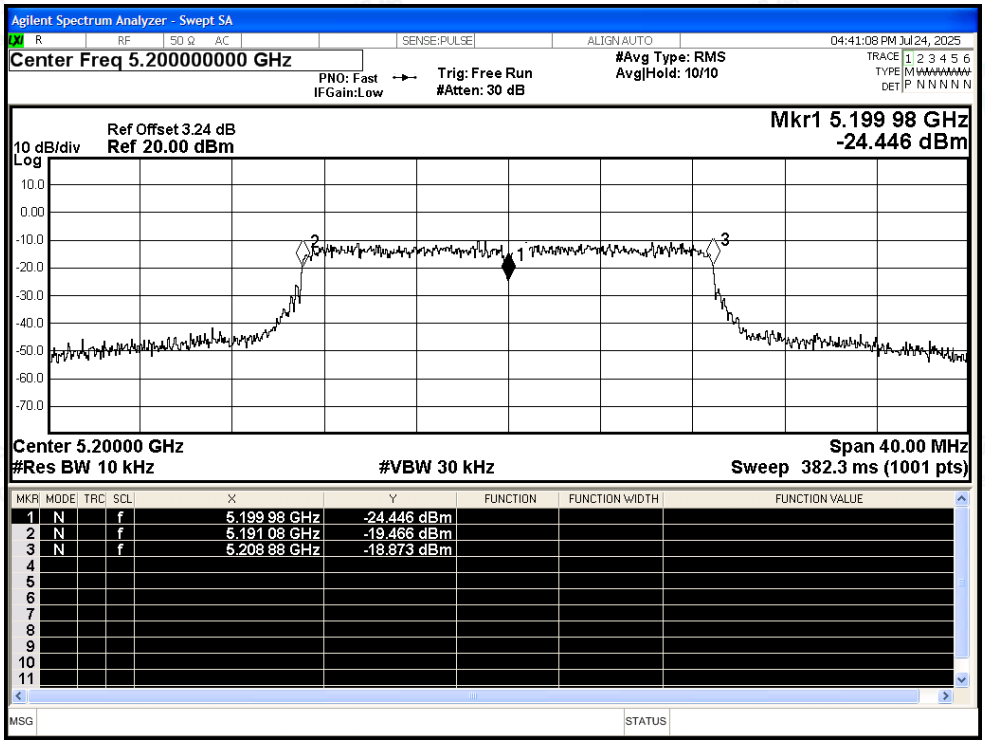
Freq. Stability NVNT a 5240MHz Ant2



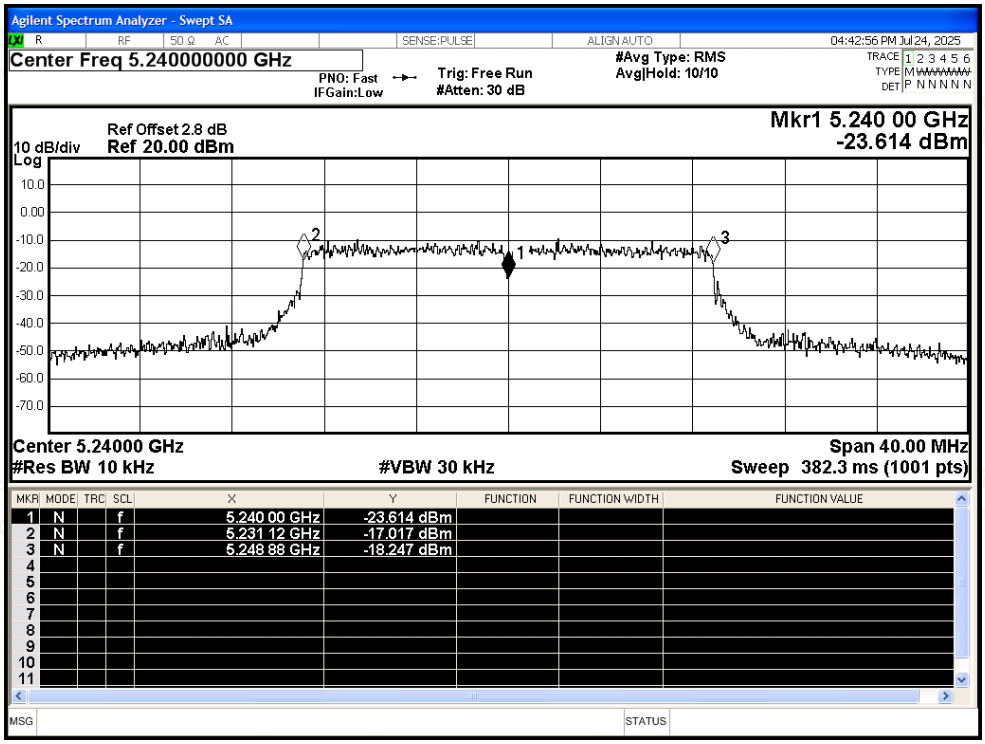
Freq. Stability NVNT n20 5180MHz Ant2



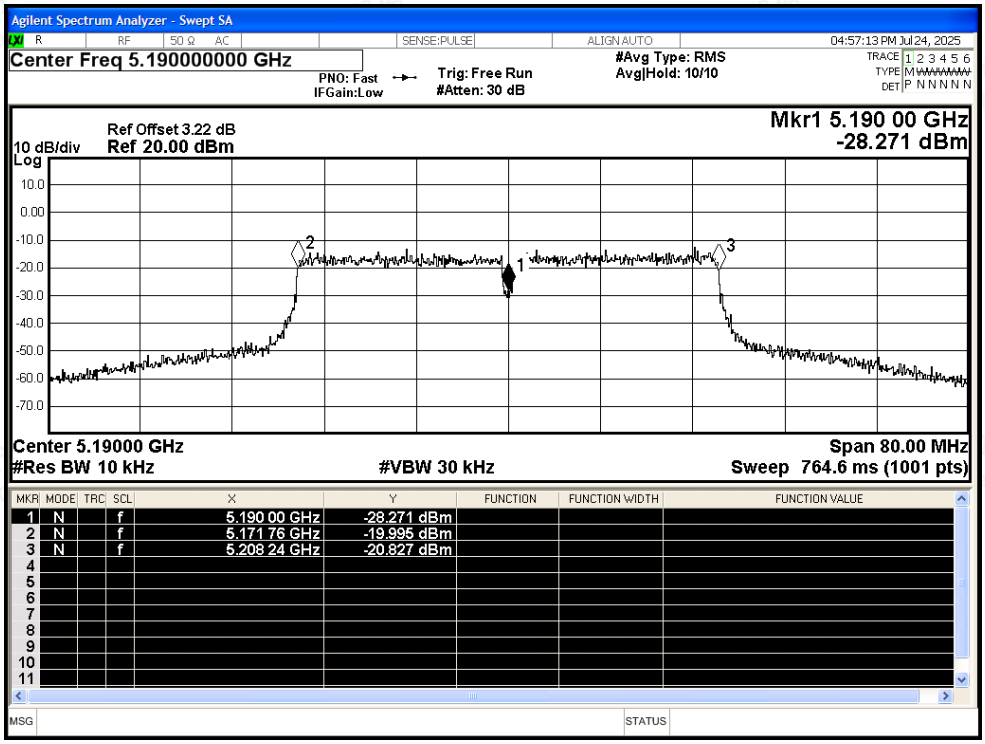
Freq. Stability NVNT n20 5200MHz Ant2



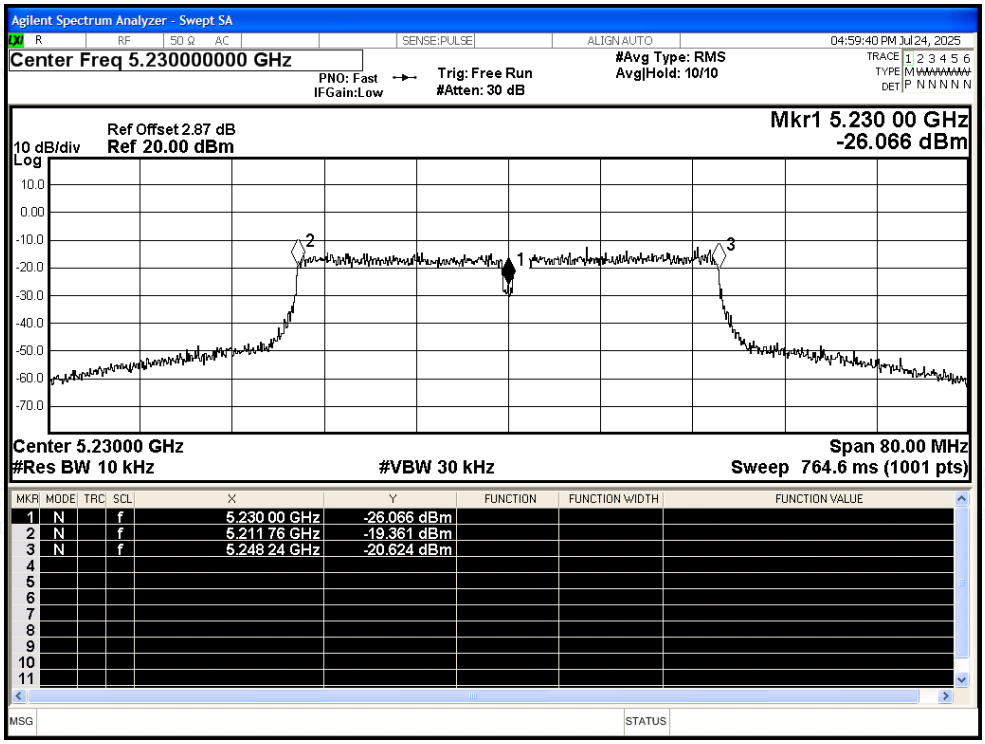
Freq. Stability NVNT n20 5240MHz Ant2



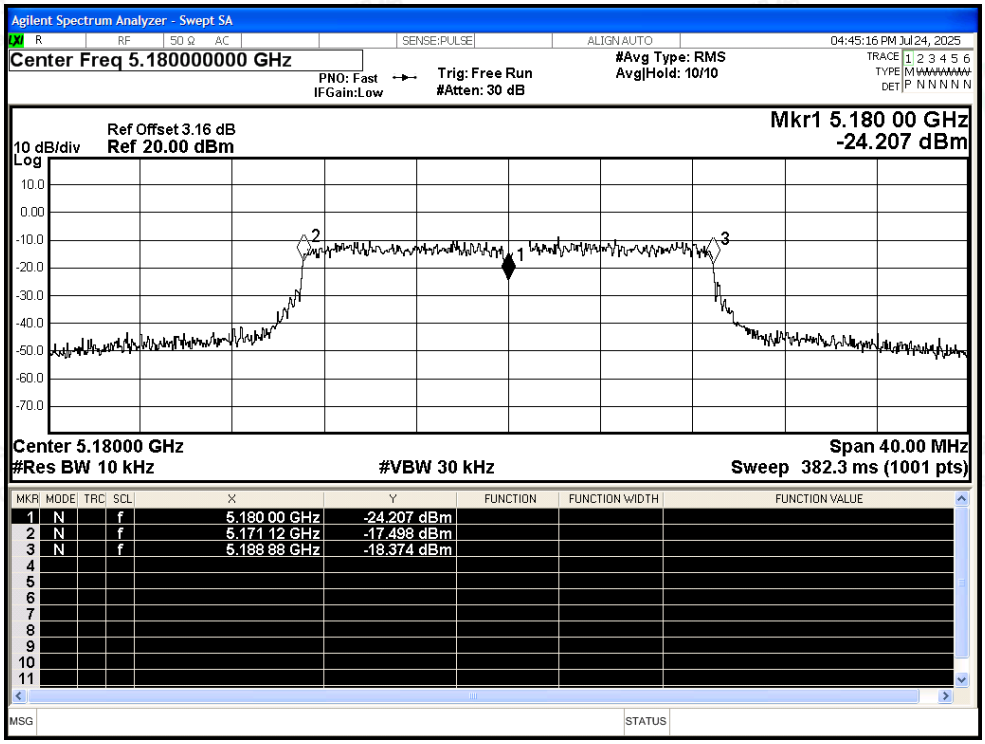
Freq. Stability NVNT n40 5190MHz Ant2



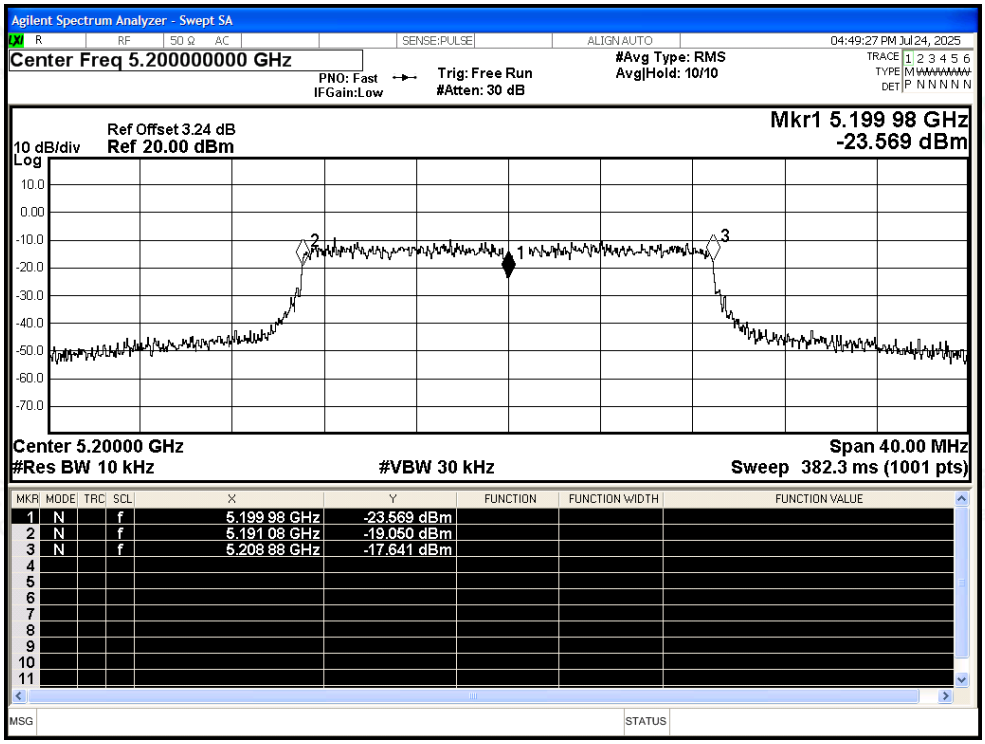
Freq. Stability NVNT n40 5230MHz Ant2



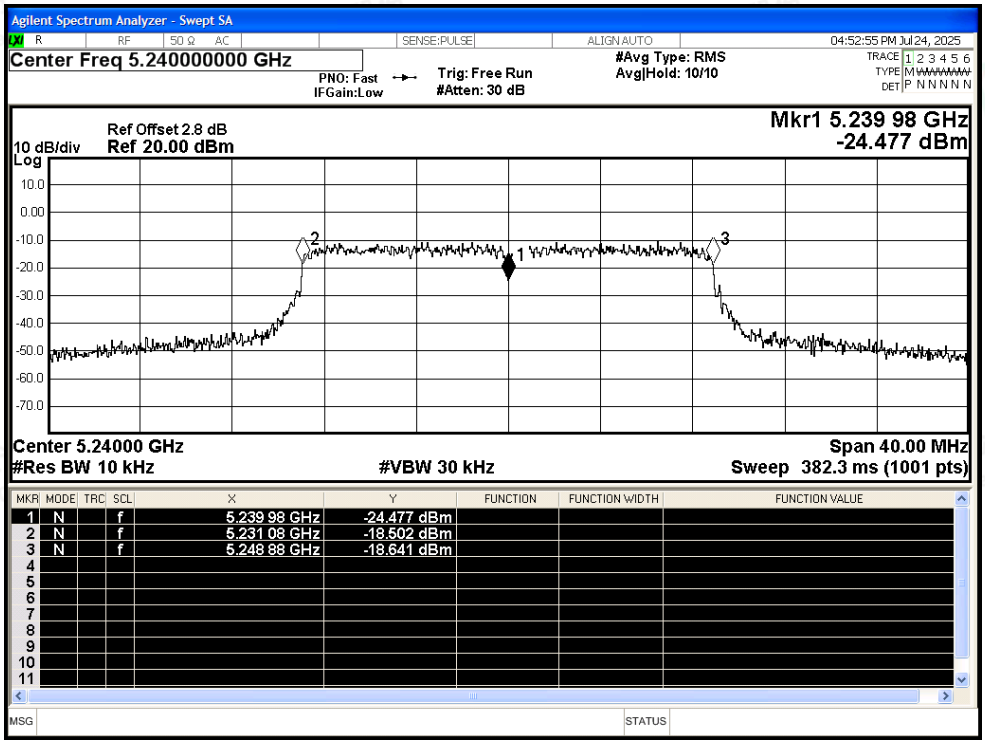
Freq. Stability NVNT ac20 5180MHz Ant2



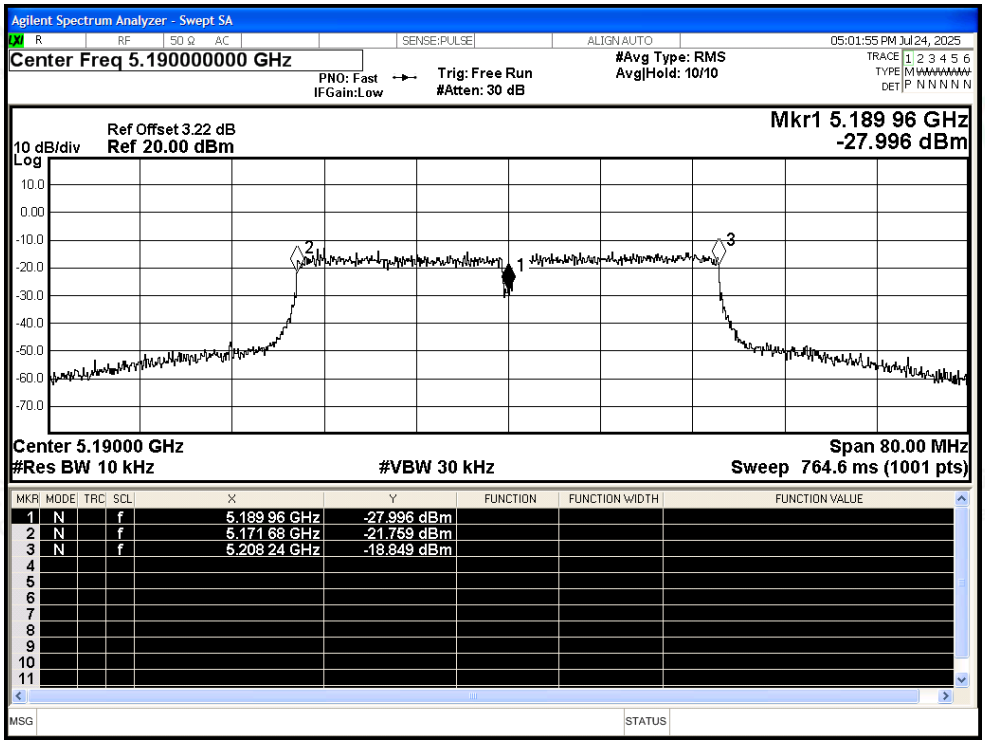
Freq. Stability NVNT ac20 5200MHz Ant2



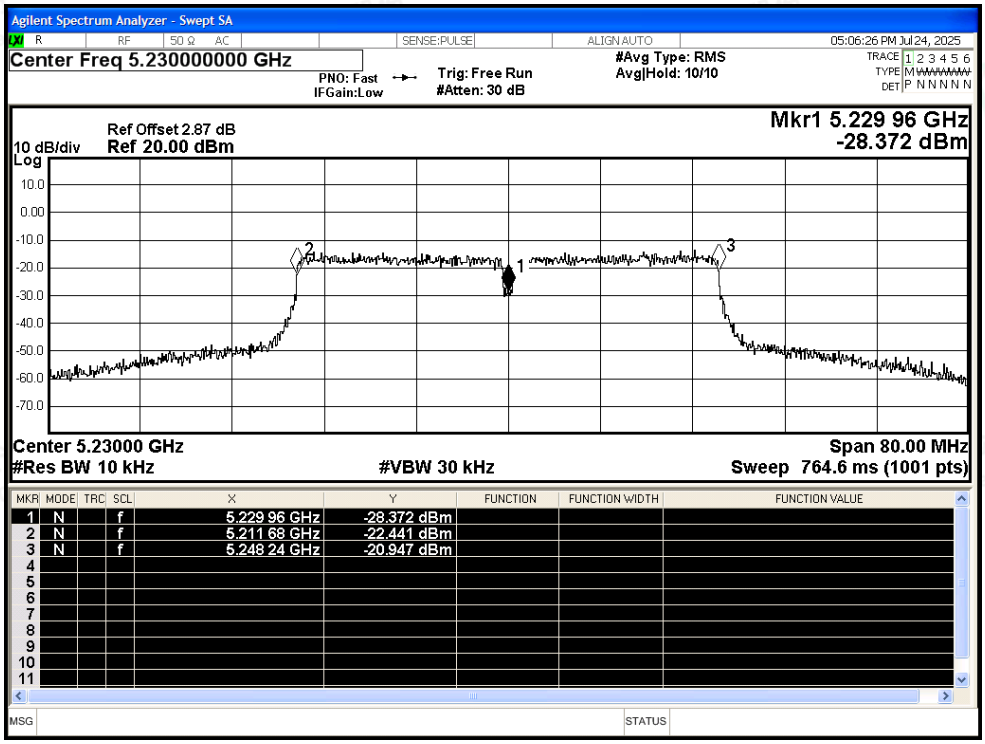
Freq. Stability NVNT ac20 5240MHz Ant2



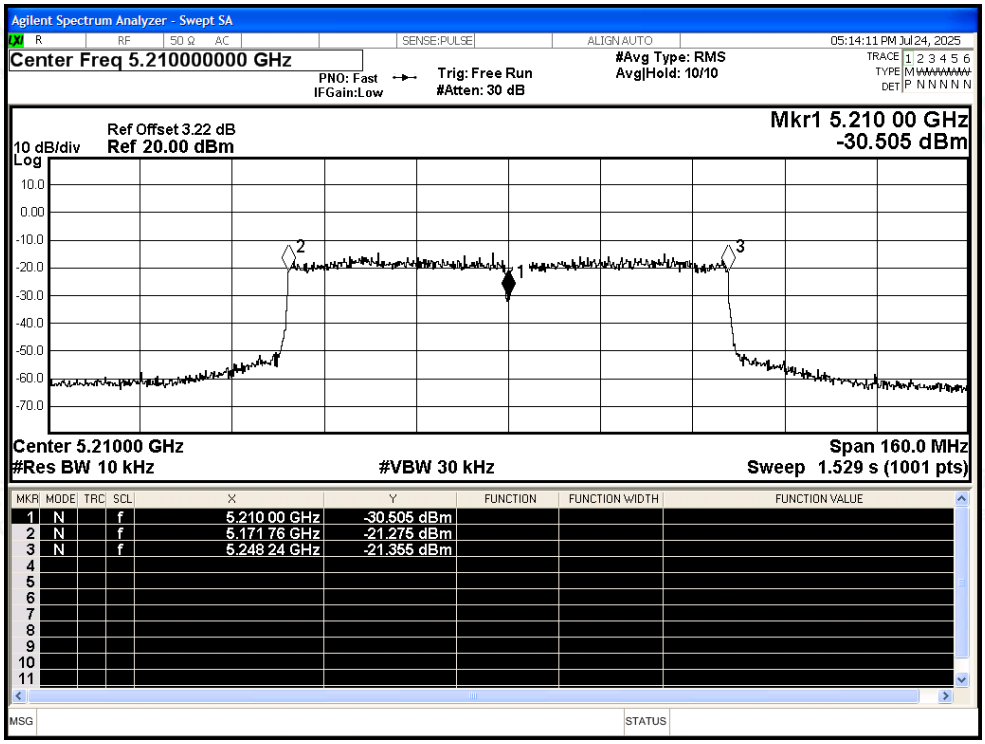
Freq. Stability NVNT ac40 5190MHz Ant2



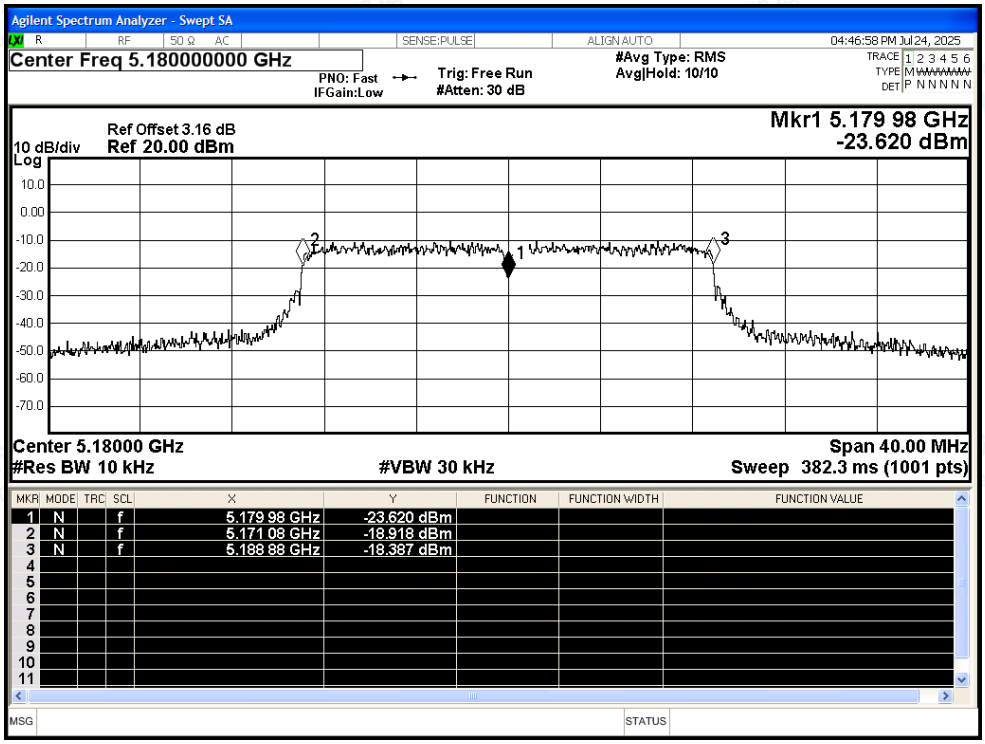
Freq. Stability NVNT ac40 5230MHz Ant2



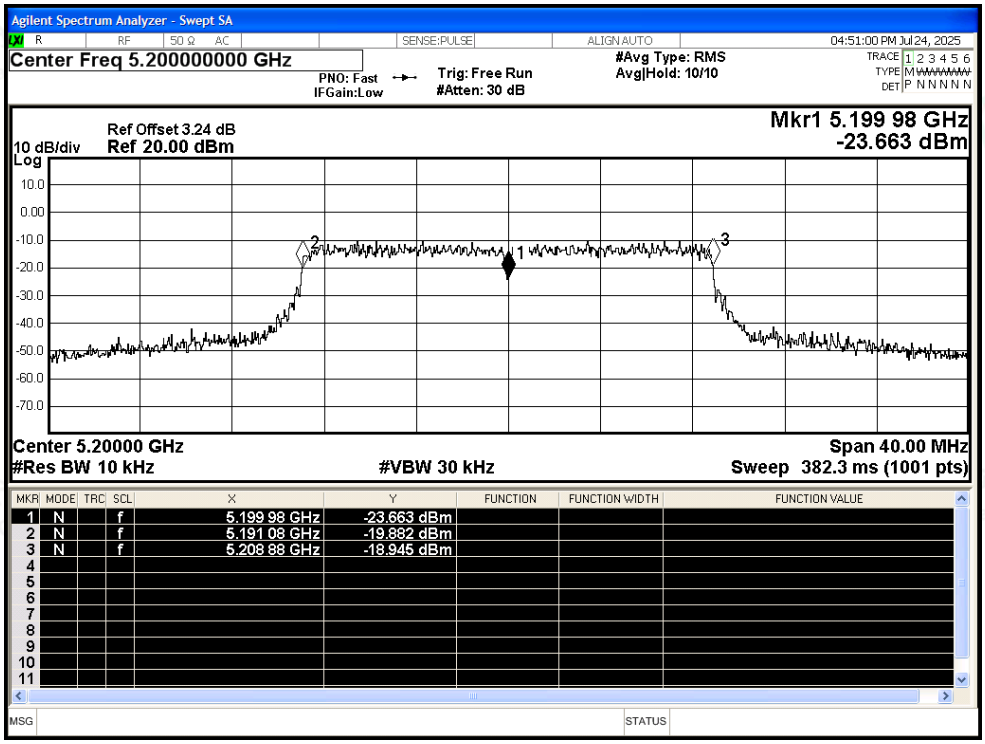
Freq. Stability NVNT ac80 5210MHz Ant2



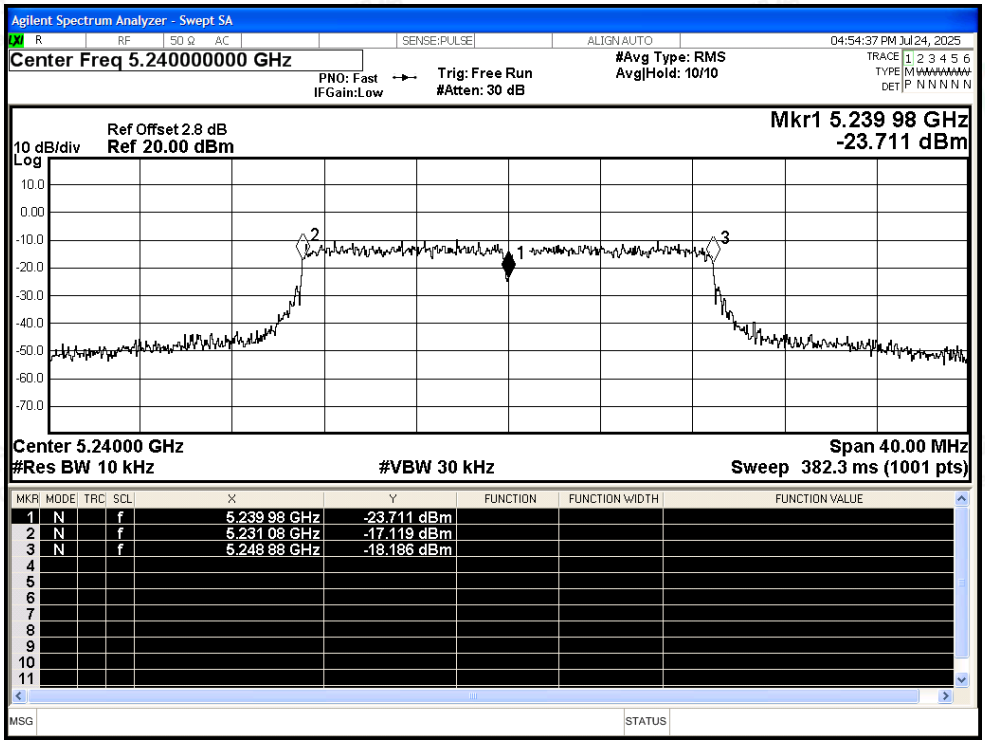
Freq. Stability NVNT ax20 5180MHz Ant2



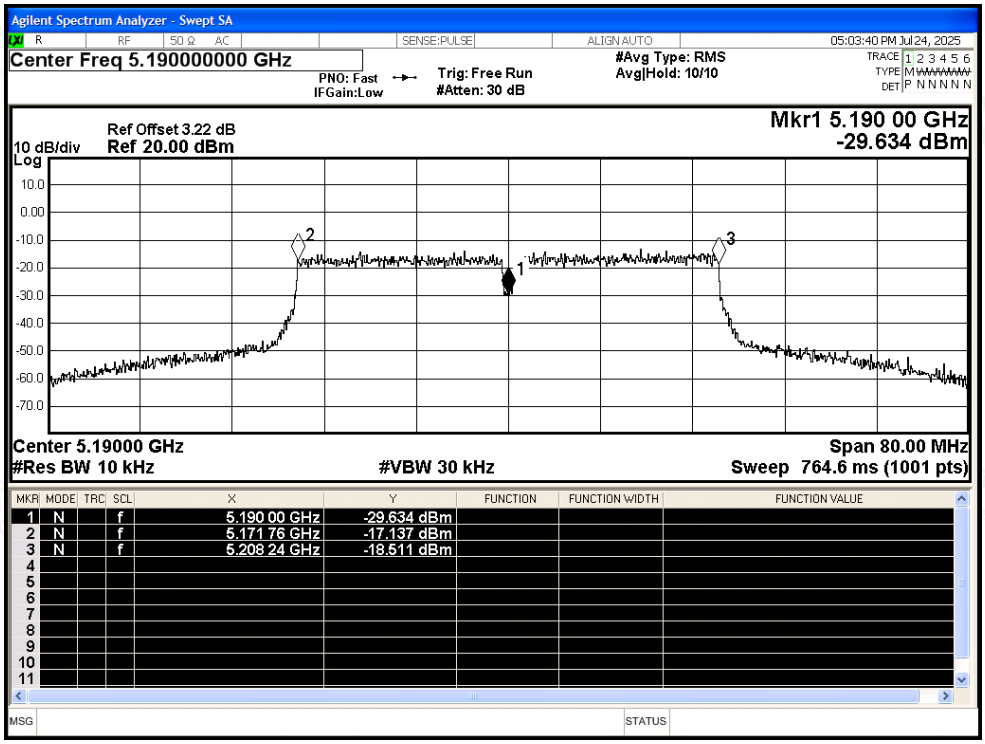
Freq. Stability NVNT ax20 5200MHz Ant2



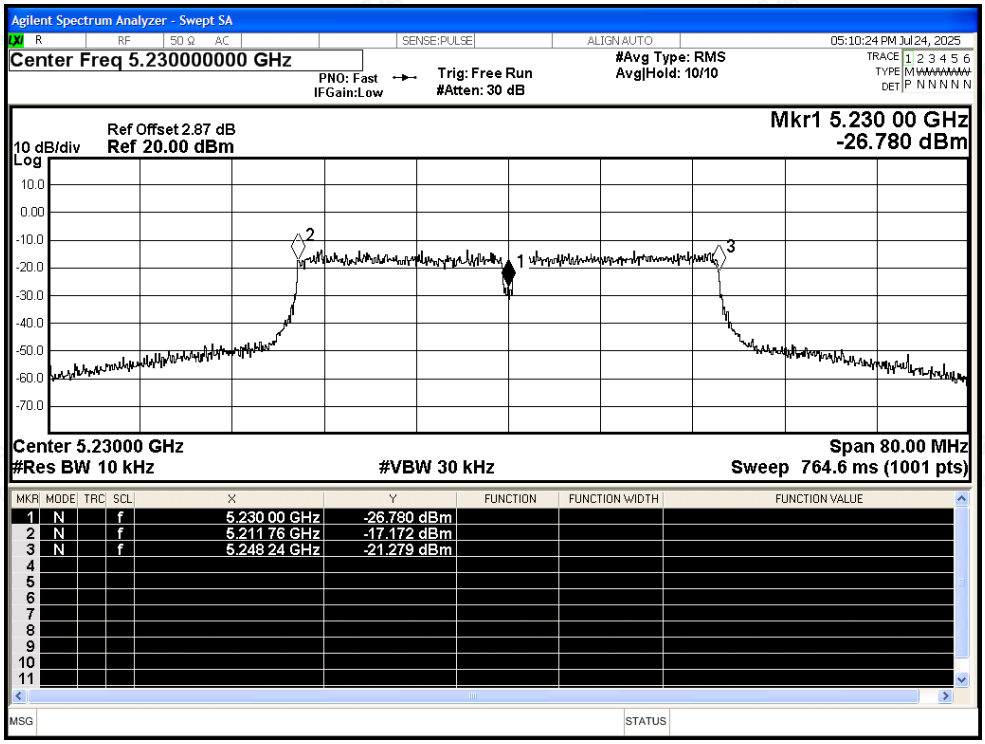
Freq. Stability NVNT ax20 5240MHz Ant2



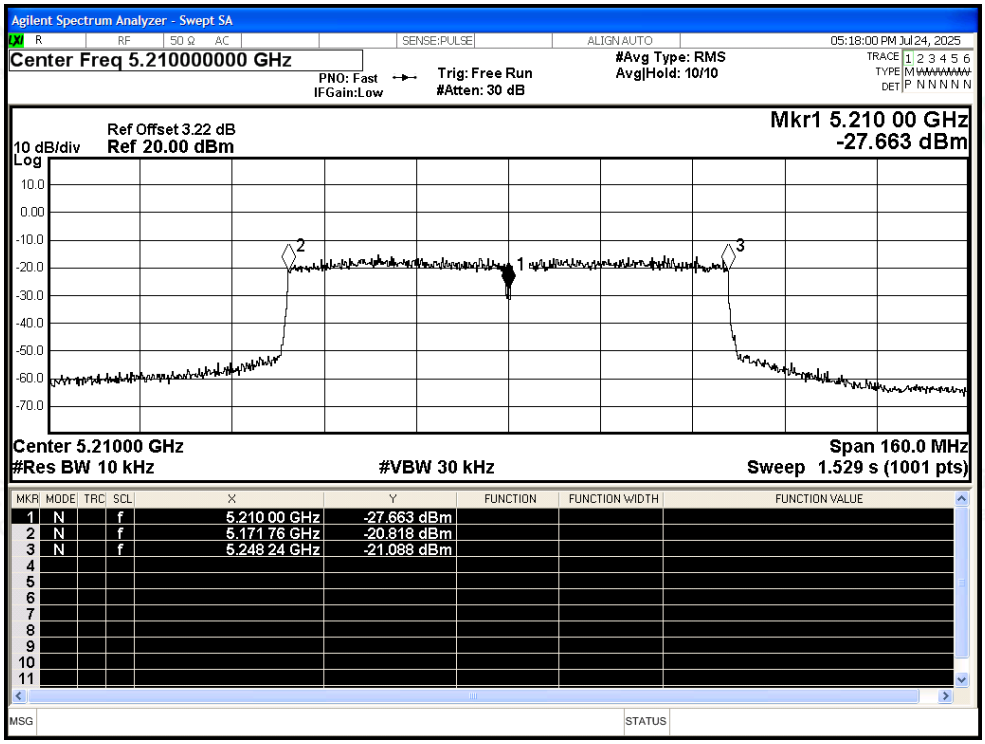
Freq. Stability NVNT ax40 5190MHz Ant2



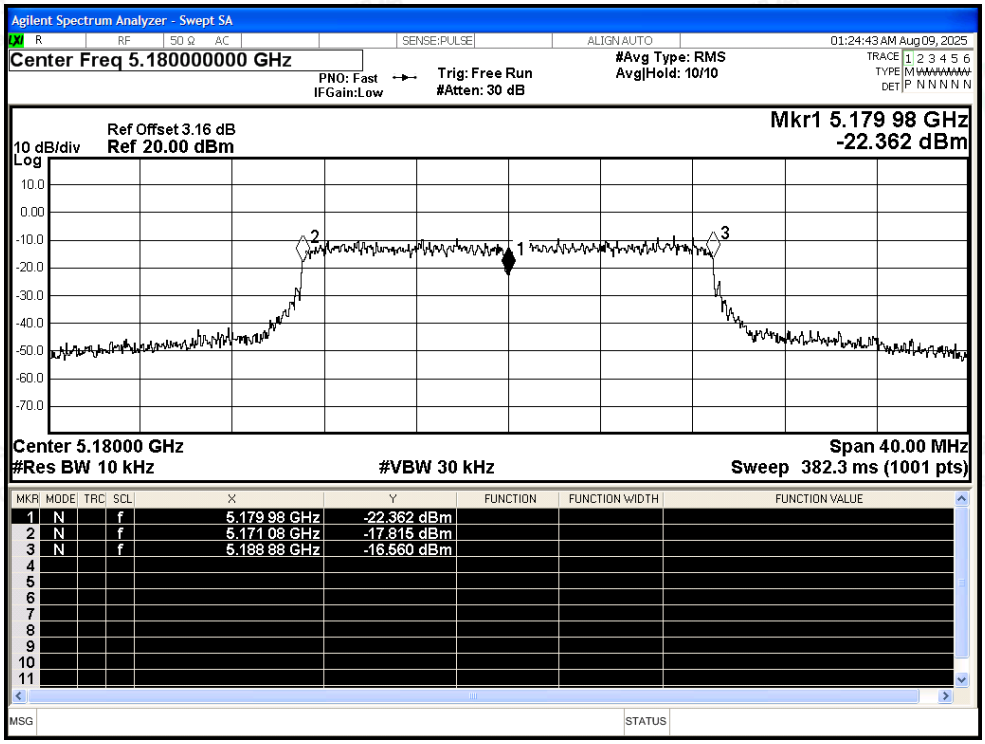
Freq. Stability NVNT ax40 5230MHz Ant2



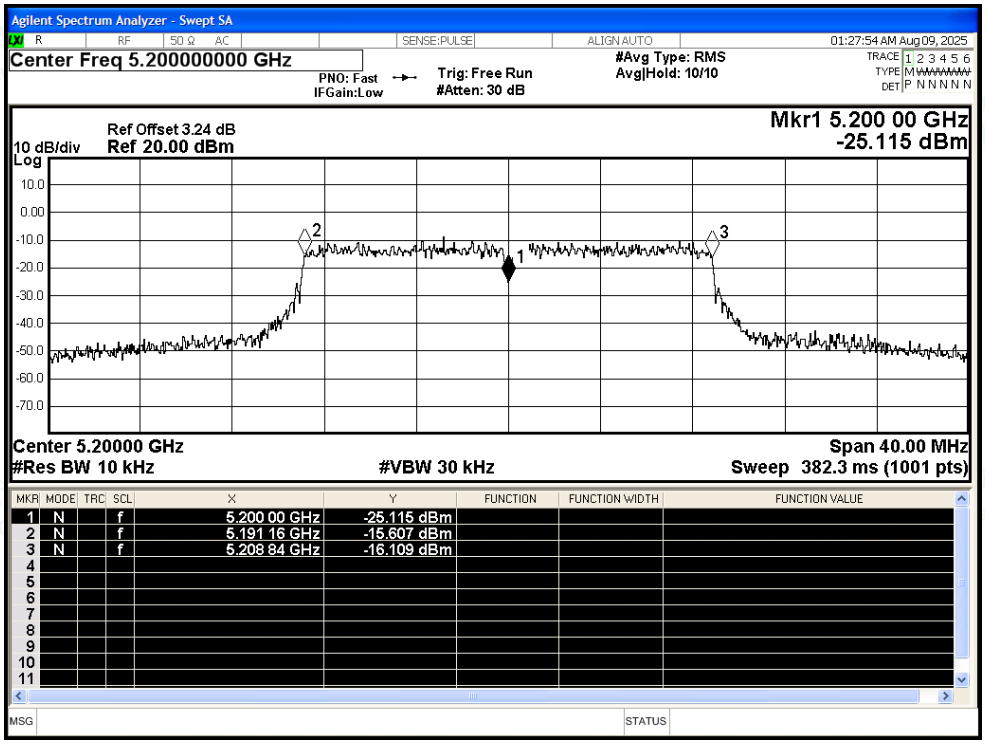
Freq. Stability NVNT ax80 5210MHz Ant2



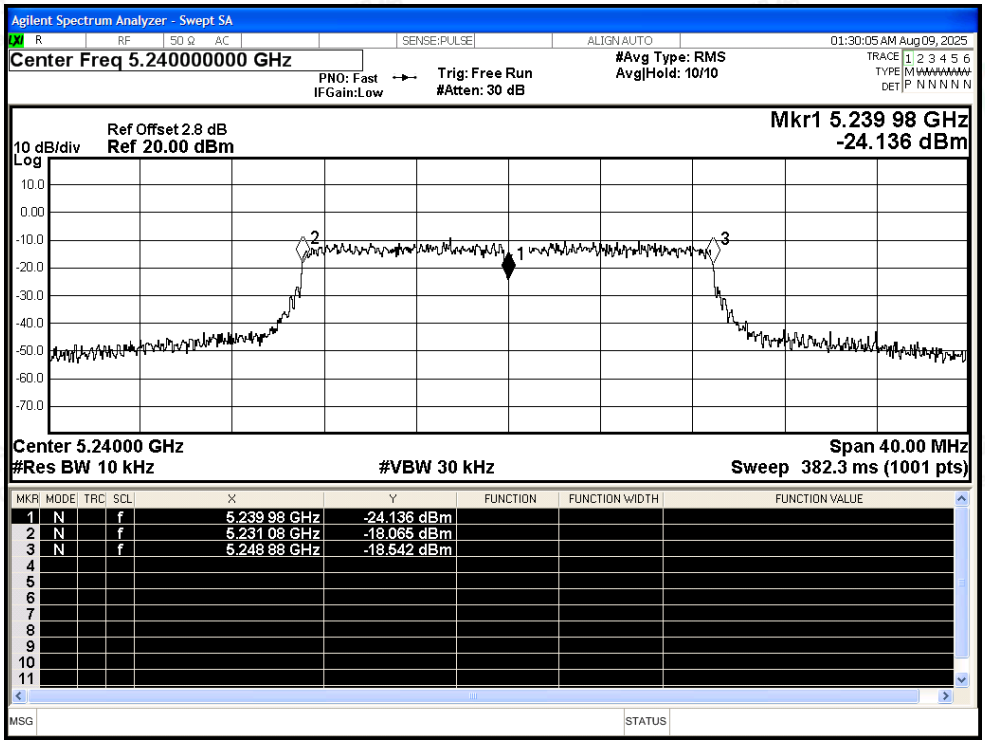
Freq. Stability NVNT be20 5180MHz Ant2



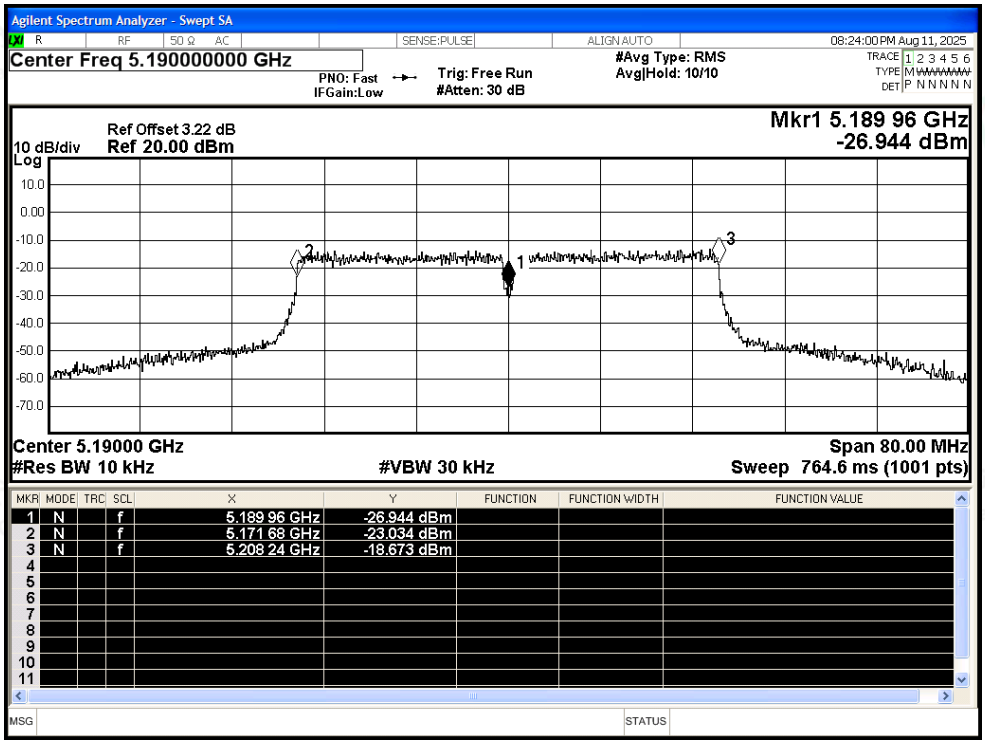
Freq. Stability NVNT be20 5200MHz Ant2



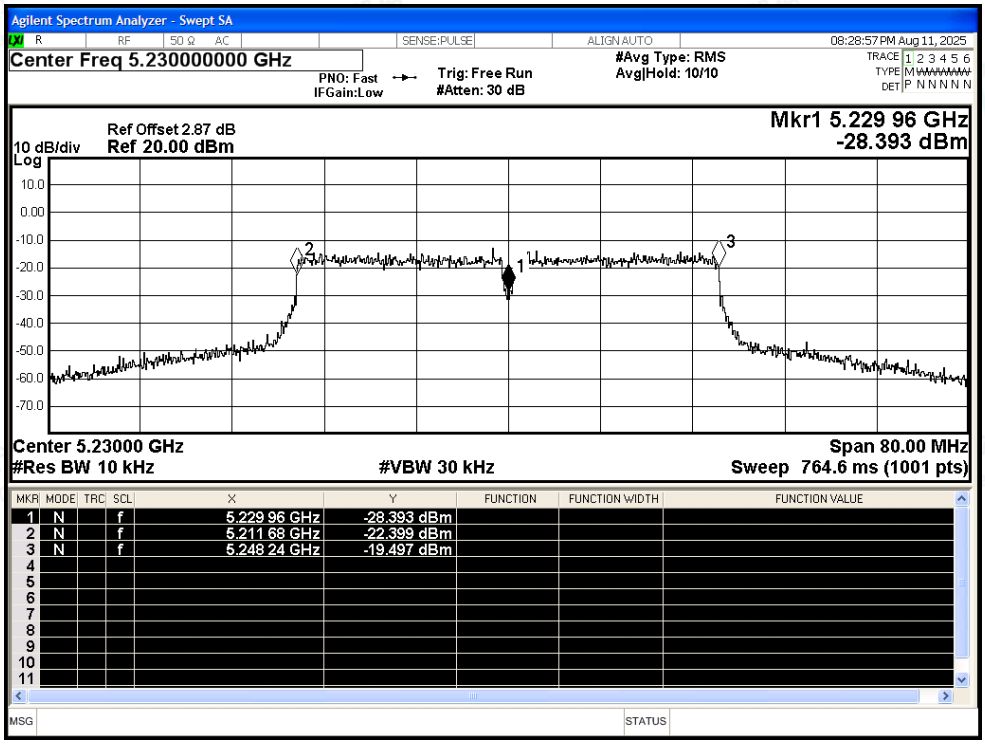
Freq. Stability NVNT be20 5240MHz Ant2



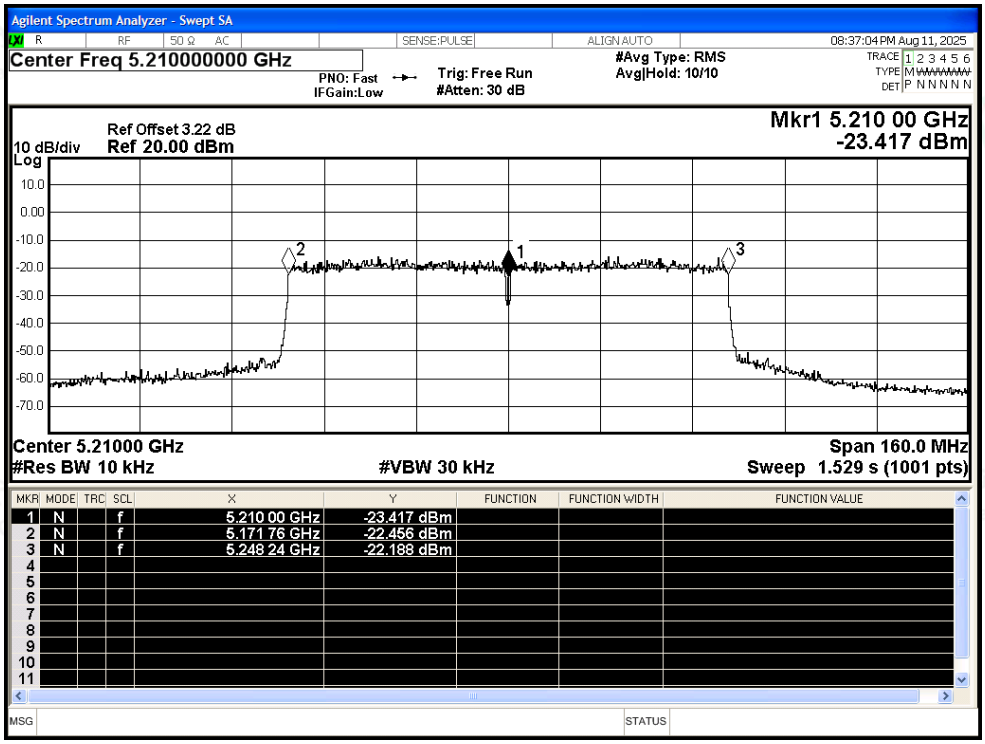
Freq. Stability NVNT be40 5190MHz Ant2



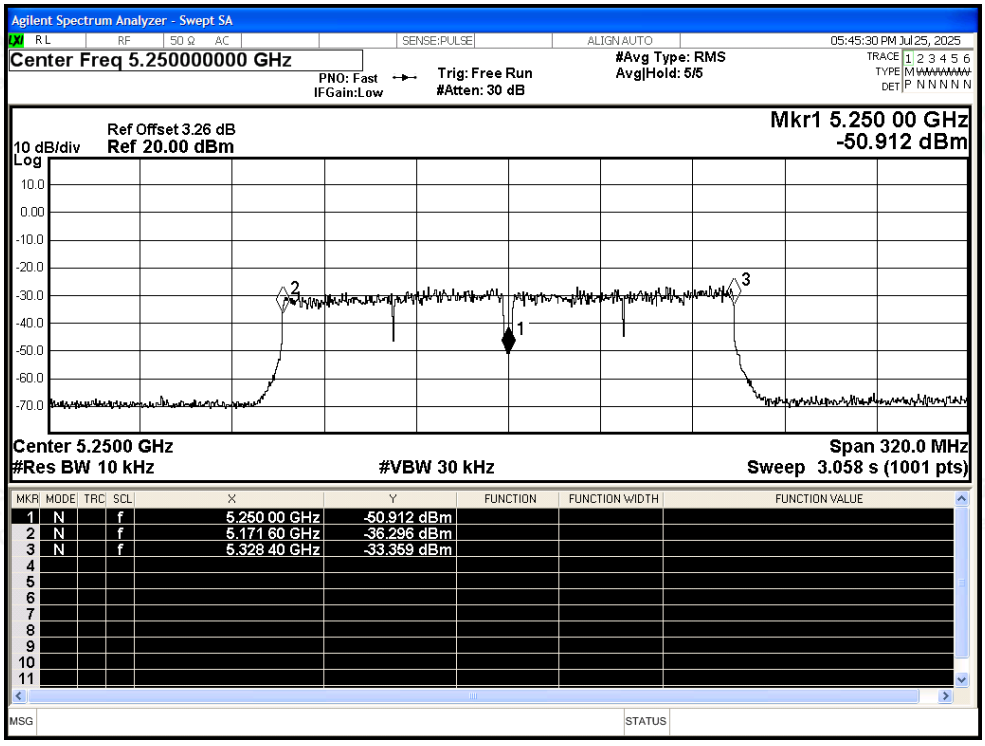
Freq. Stability NVNT be40 5230MHz Ant2



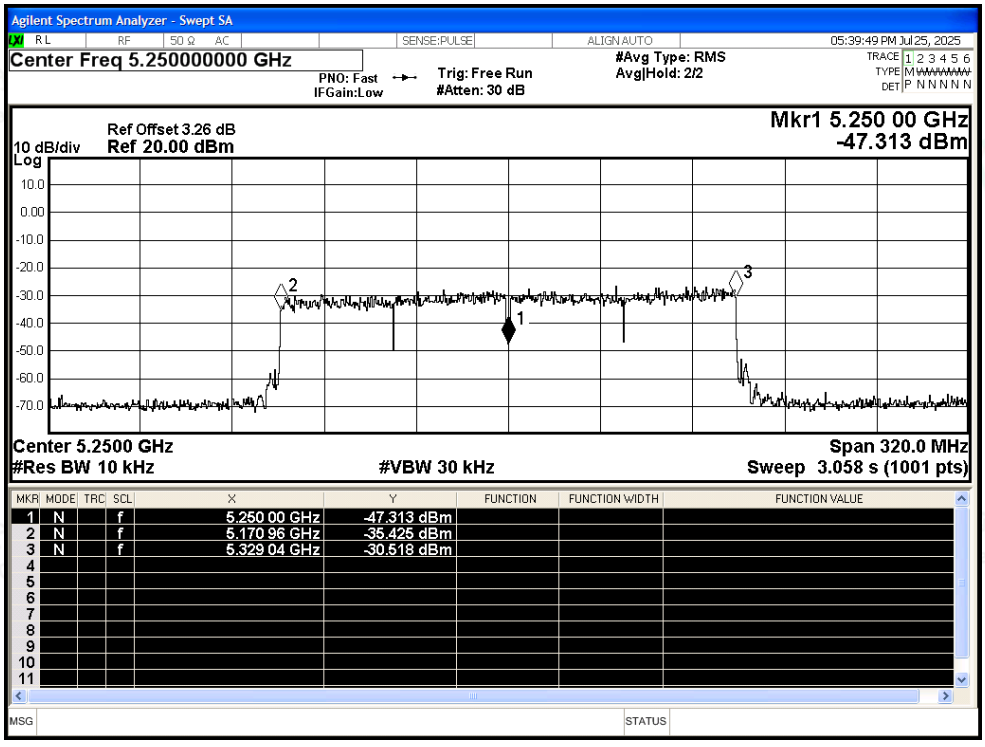
Freq. Stability NVNT be80 5210MHz Ant2



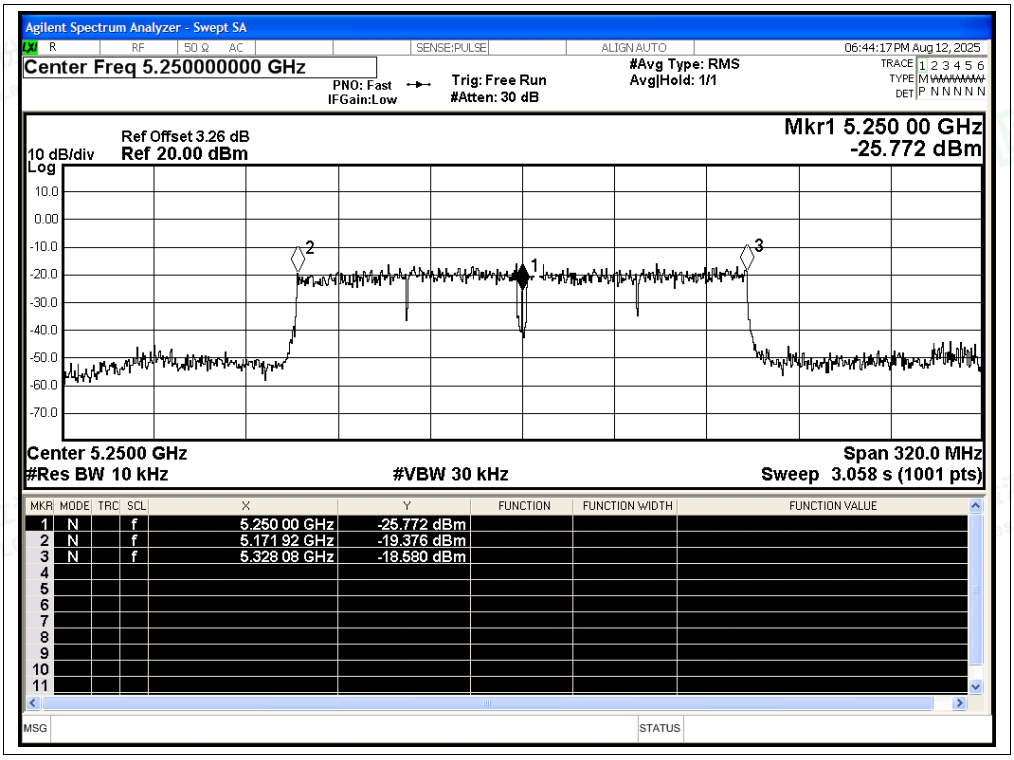
Freq. Stability NVNT ac160 5250MHz Ant2



Freq. Stability NVNT ax160 5250MHz Ant2



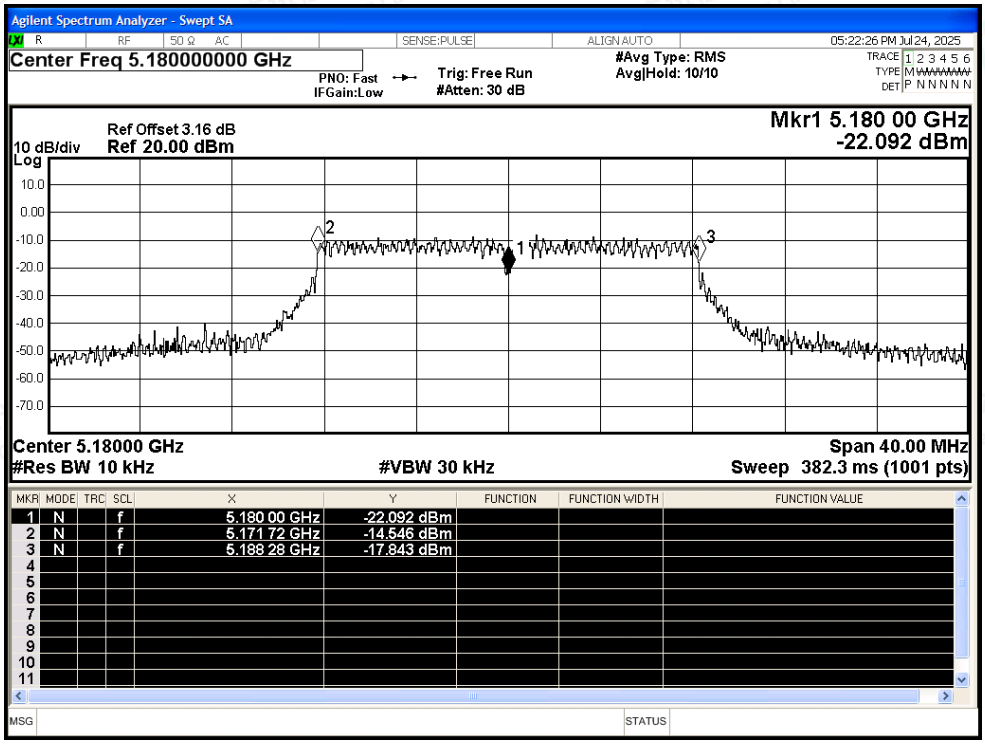
Freq. Stability NVNT be160 5250MHz Ant2


Agilent Spectrum Analyzer - Swept SA
Center Freq 5.250000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 1/1
06:44:17 PM Aug 12, 2025
Ref Offset 3.26 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 5.250 00 GHz
-25.772 dBm
Center 5.2500 GHz
#Res BW 10 kHz
#VBW 30 kHz
Span 320.0 MHz
Sweep 3.058 s (1001 pts)
1 N f 5.250 00 GHz -25.772 dBm
2 N f 5.171 92 GHz -19.376 dBm
3 N f 5.328 08 GHz -18.580 dBm

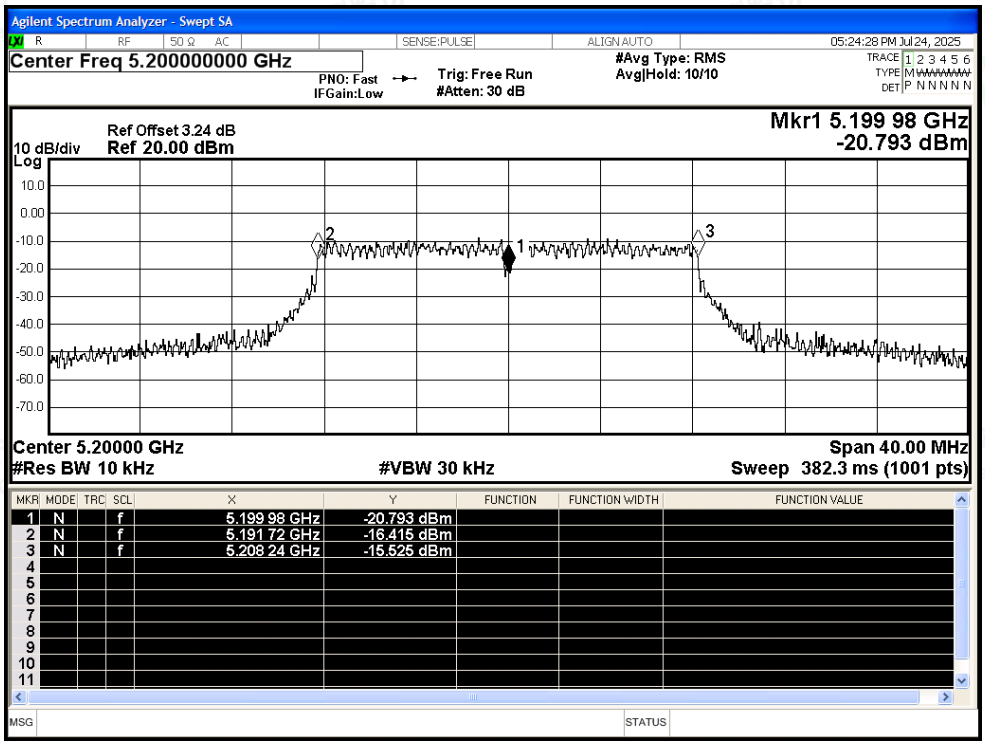
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	a	5180	Ant3	5180	0	0	25	Pass
NVNT	a	5200	Ant3	5199.98	-20000	-3.85	25	Pass
NVNT	a	5240	Ant3	5239.98	-20000	-3.82	25	Pass
NVNT	n20	5180	Ant3	5179.98	-20000	-3.86	25	Pass
NVNT	n20	5200	Ant3	5199.98	-20000	-3.85	25	Pass
NVNT	n20	5240	Ant3	5239.96	-40000	-7.63	25	Pass
NVNT	n40	5190	Ant3	5189.96	-40000	-7.71	25	Pass
NVNT	n40	5230	Ant3	5230	0	0	25	Pass
NVNT	ac20	5180	Ant3	5179.98	-20000	-3.86	25	Pass
NVNT	ac20	5200	Ant3	5199.98	-20000	-3.85	25	Pass
NVNT	ac20	5240	Ant3	5239.98	-20000	-3.82	25	Pass
NVNT	ac40	5190	Ant3	5190	0	0	25	Pass
NVNT	ac40	5230	Ant3	5230	0	0	25	Pass
NVNT	ac80	5210	Ant3	5210	0	0	25	Pass
NVNT	ax20	5180	Ant3	5179.98	-20000	-3.86	25	Pass
NVNT	ax20	5200	Ant3	5199.98	-20000	-3.85	25	Pass
NVNT	ax20	5240	Ant3	5239.98	-20000	-3.82	25	Pass
NVNT	ax40	5190	Ant3	5189.96	-40000	-7.71	25	Pass
NVNT	ax40	5230	Ant3	5230	0	0	25	Pass
NVNT	ax80	5210	Ant3	5210	0	0	25	Pass
NVNT	be20	5180	Ant3	5180	0	0	25	Pass
NVNT	be20	5200	Ant3	5199.98	-20000	-3.85	25	Pass
NVNT	be20	5240	Ant3	5239.98	-20000	-3.82	25	Pass
NVNT	be40	5190	Ant3	5190	0	0	25	Pass
NVNT	be40	5230	Ant3	5230	0	0	25	Pass
NVNT	be80	5210	Ant3	5210	0	0	25	Pass
NVNT	ac160	5250	Ant3	5250	0	0	25	Pass
NVNT	ax160	5250	Ant3	5250	0	0	25	Pass
NVNT	be160	5250	Ant3	5250	0	0	25	Pass

Test Graphs

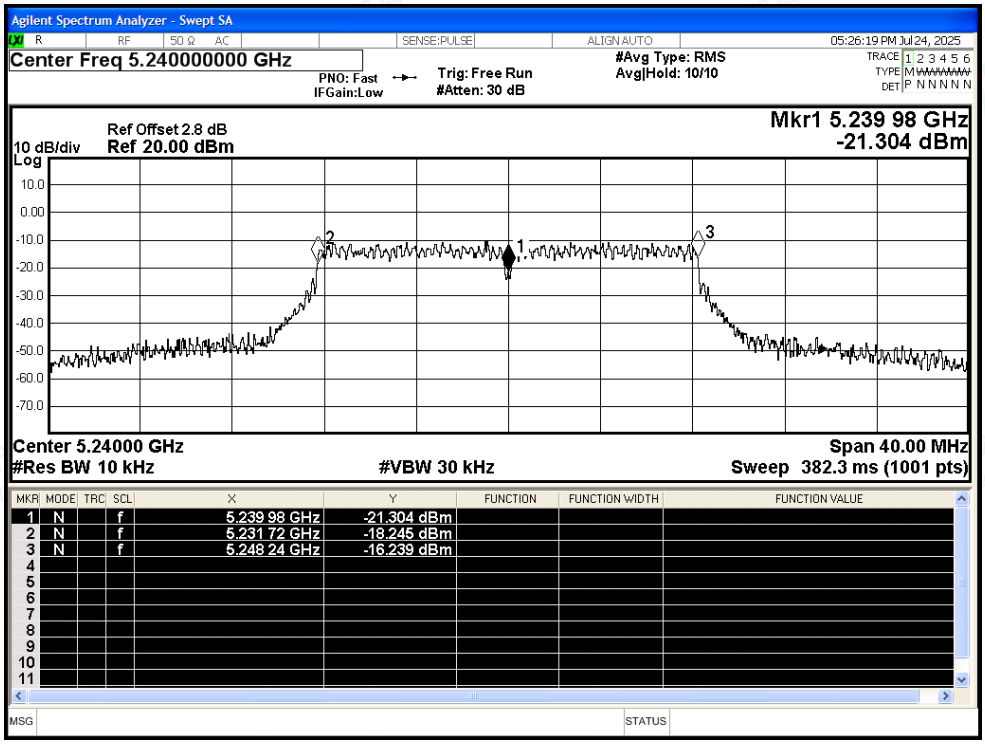
Freq. Stability NVNT a 5180MHz Ant3



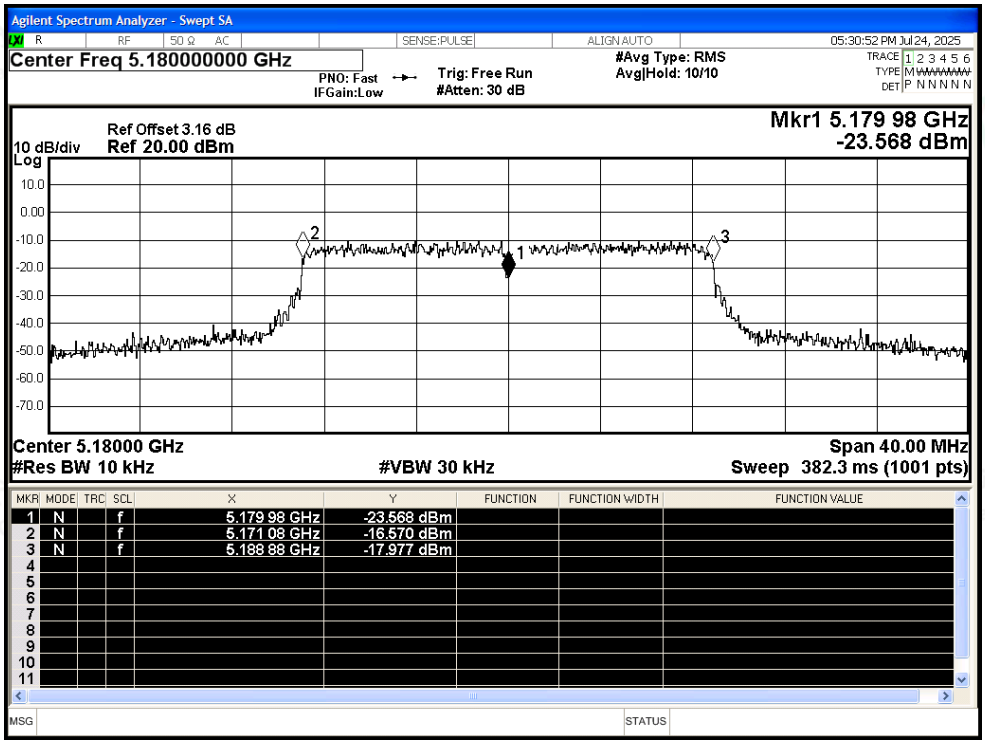
Freq. Stability NVNT a 5200MHz Ant3



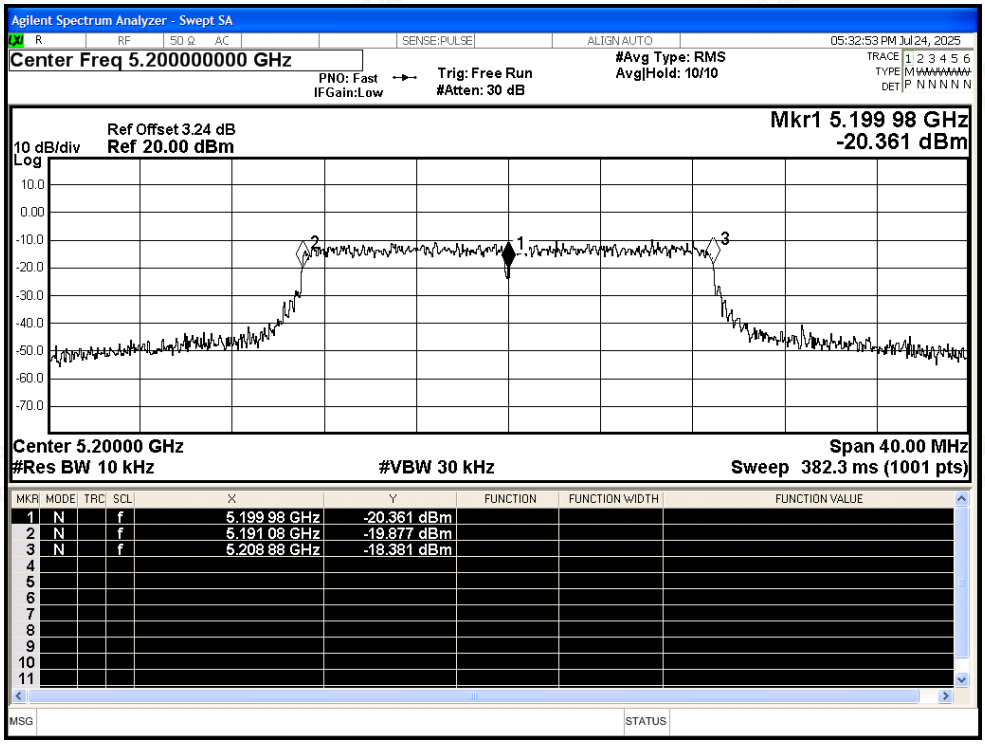
Freq. Stability NVNT a 5240MHz Ant3



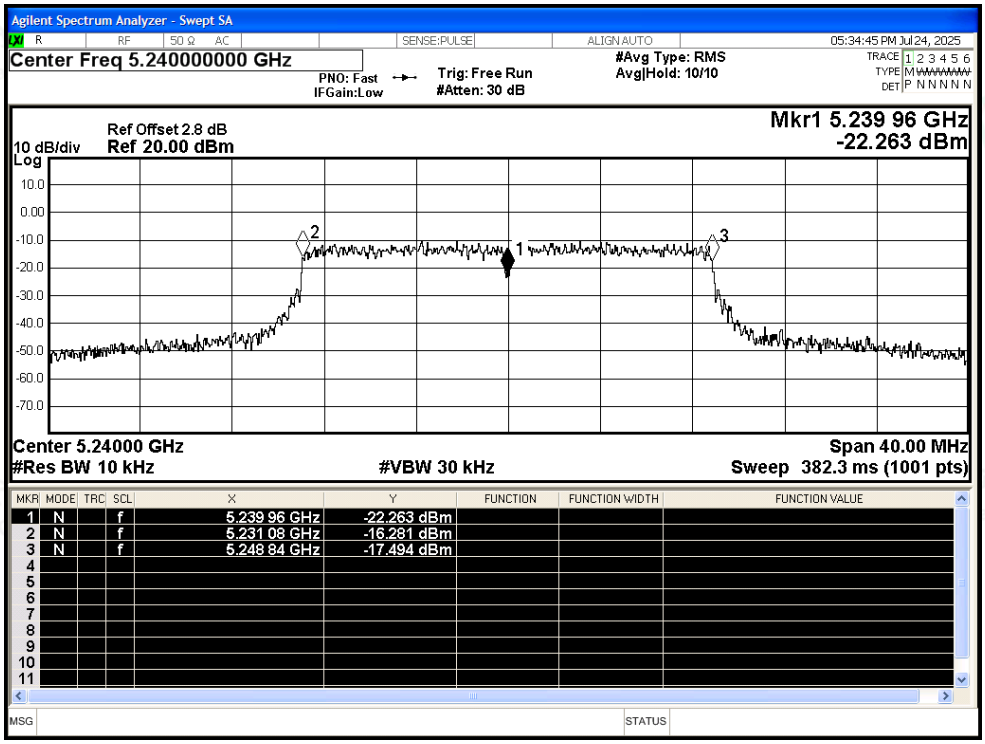
Freq. Stability NVNT n20 5180MHz Ant3



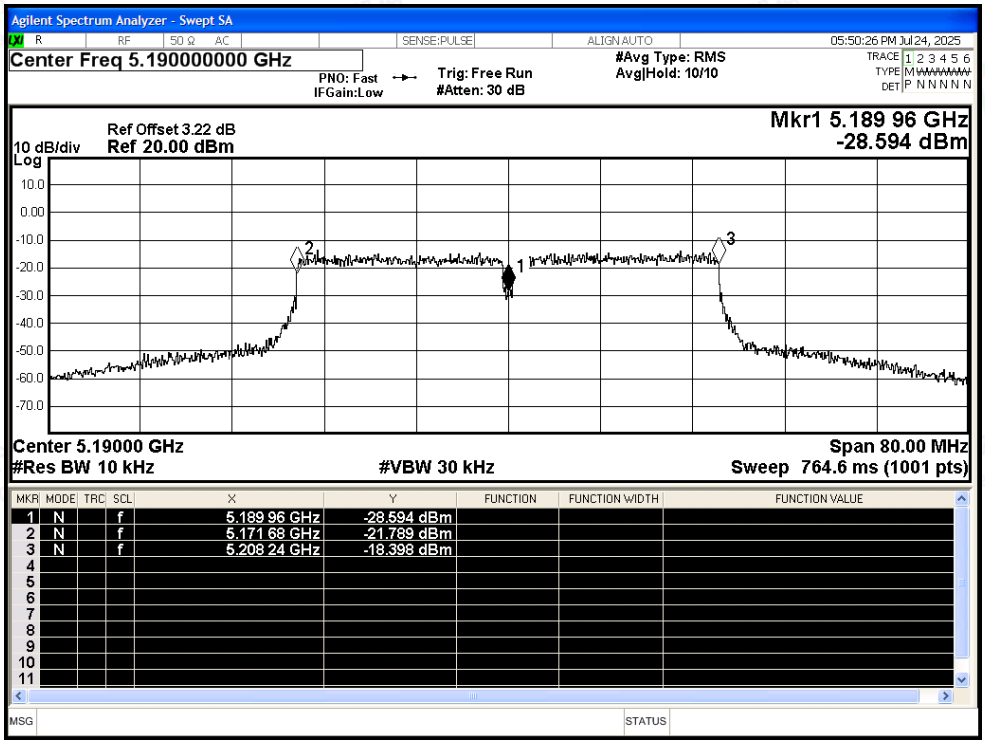
Freq. Stability NVNT n20 5200MHz Ant3



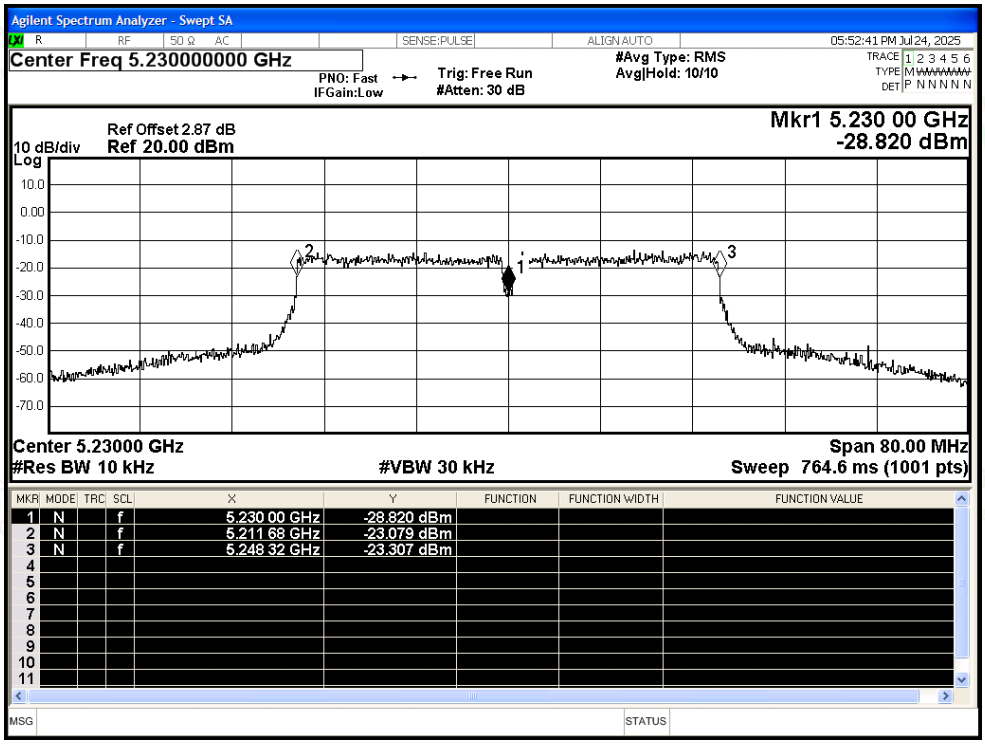
Freq. Stability NVNT n20 5240MHz Ant3



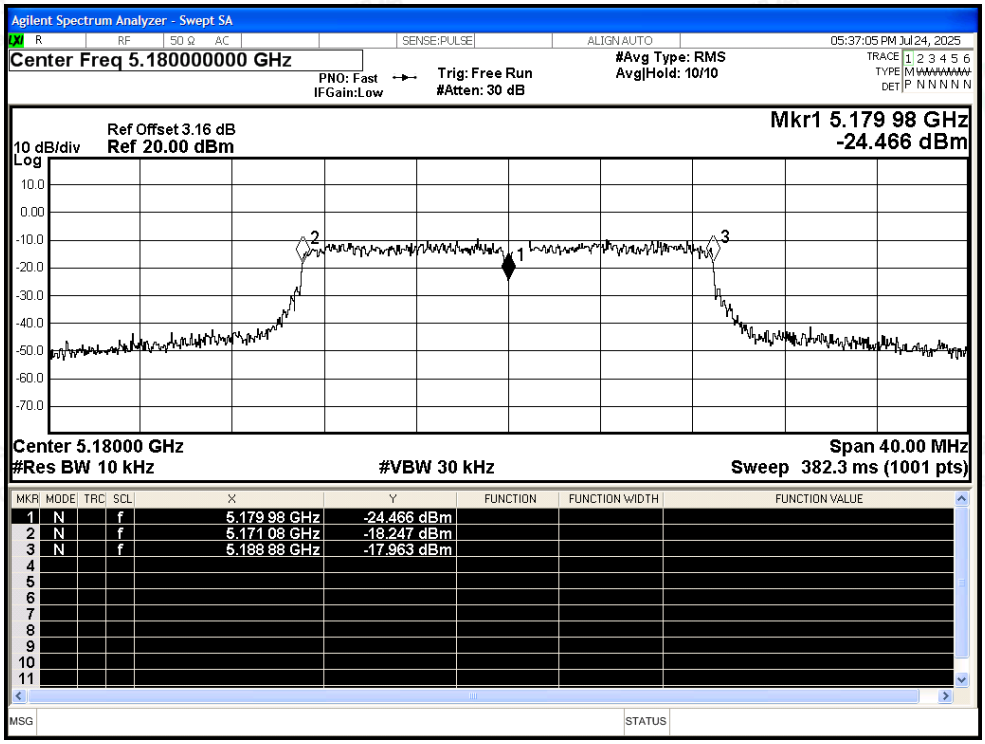
Freq. Stability NVNT n40 5190MHz Ant3



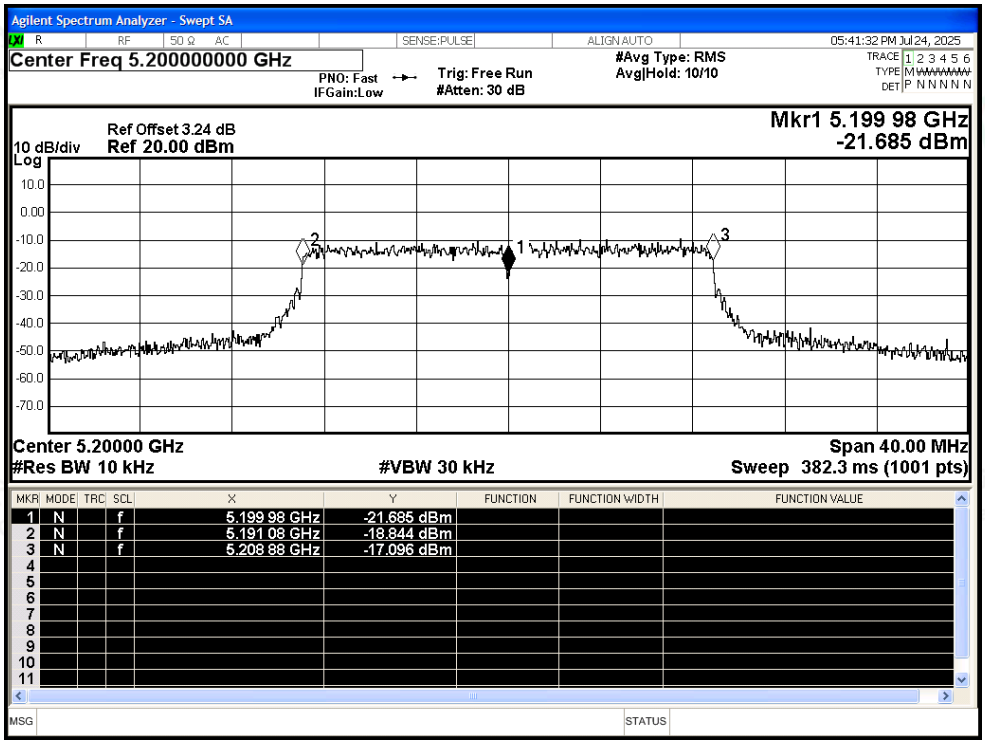
Freq. Stability NVNT n40 5230MHz Ant3



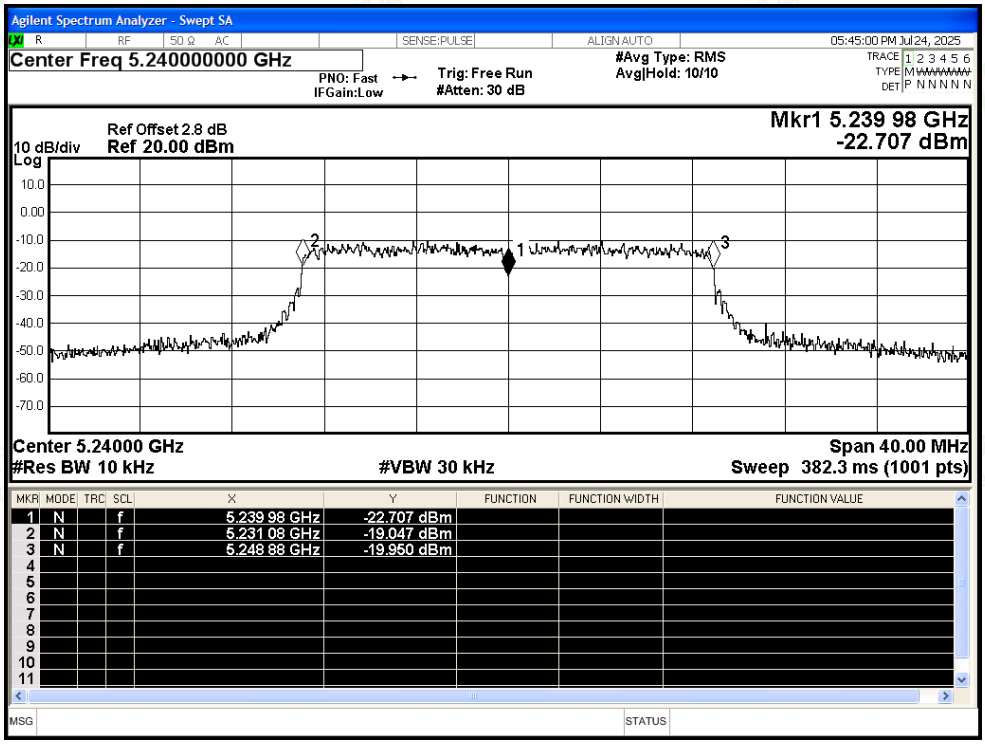
Freq. Stability NVNT ac20 5180MHz Ant3



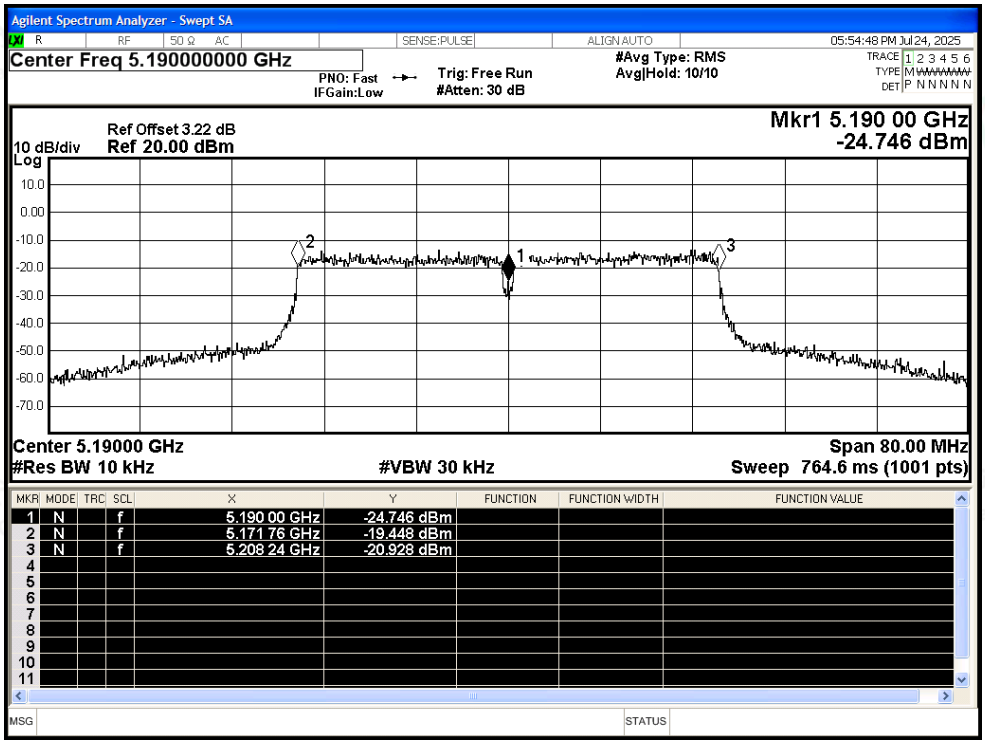
Freq. Stability NVNT ac20 5200MHz Ant3



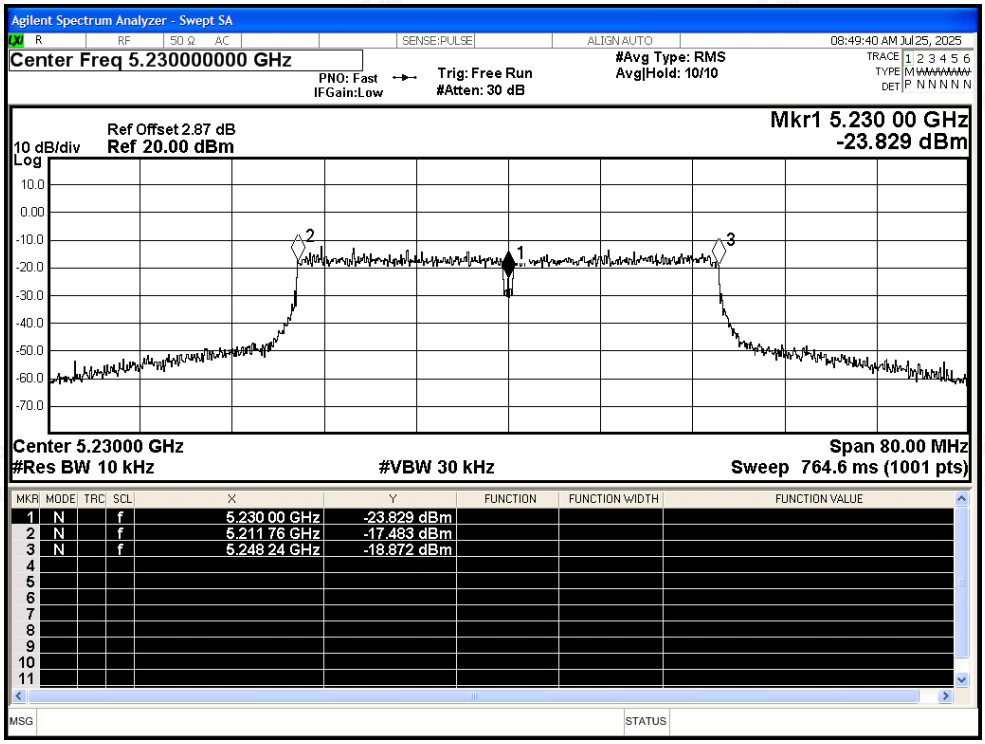
Freq. Stability NVNT ac20 5240MHz Ant3



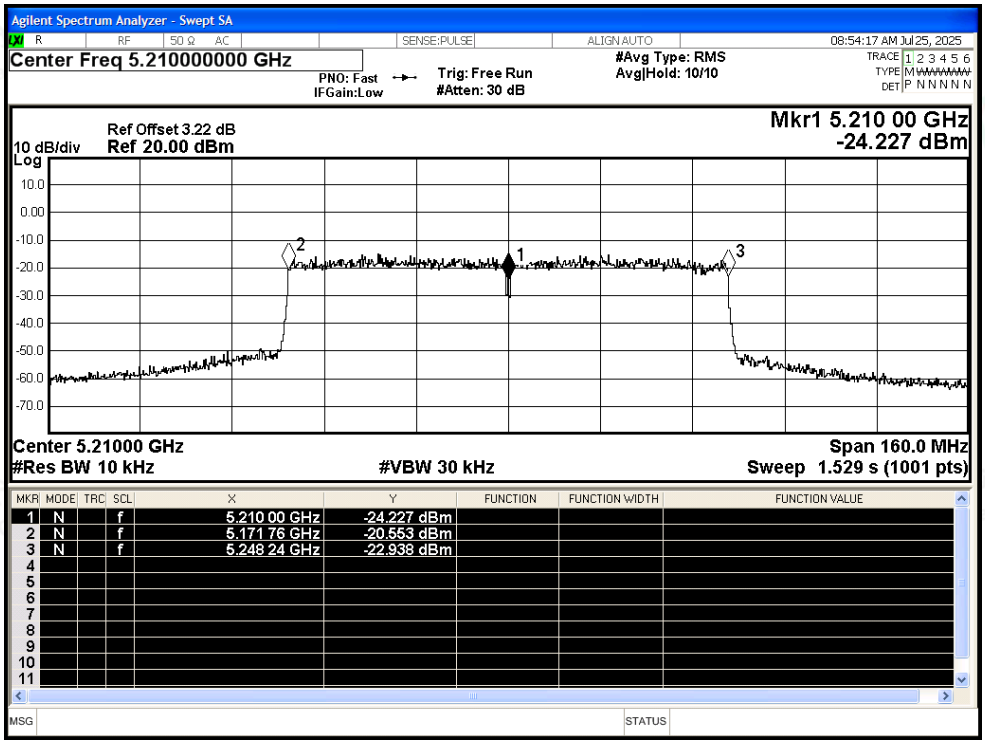
Freq. Stability NVNT ac40 5190MHz Ant3



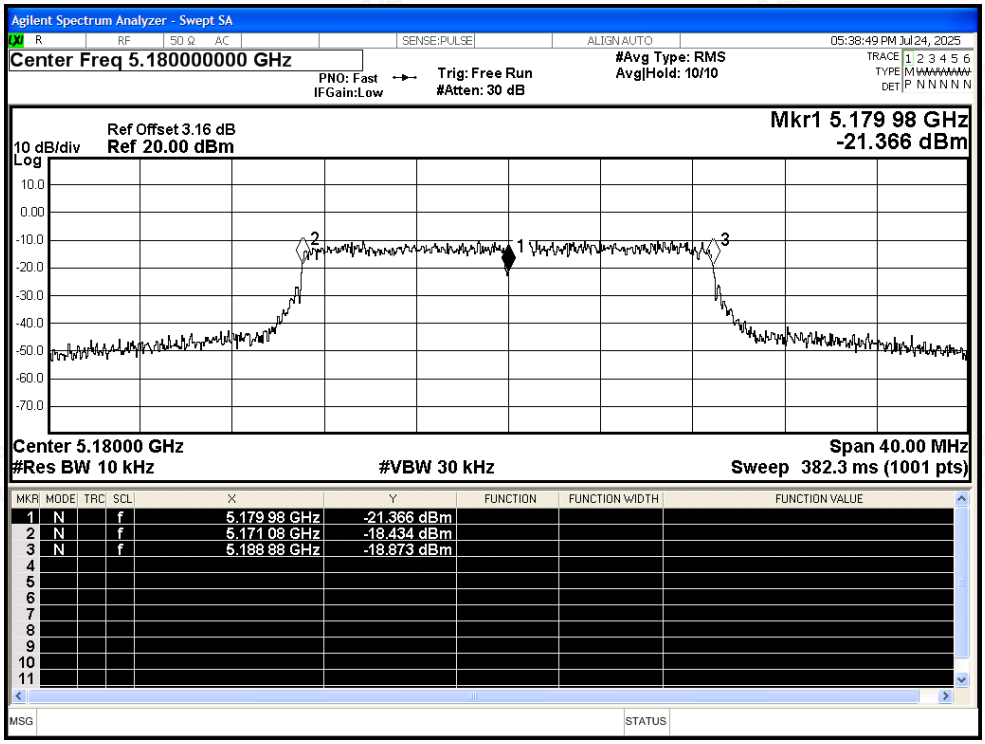
Freq. Stability NVNT ac40 5230MHz Ant3



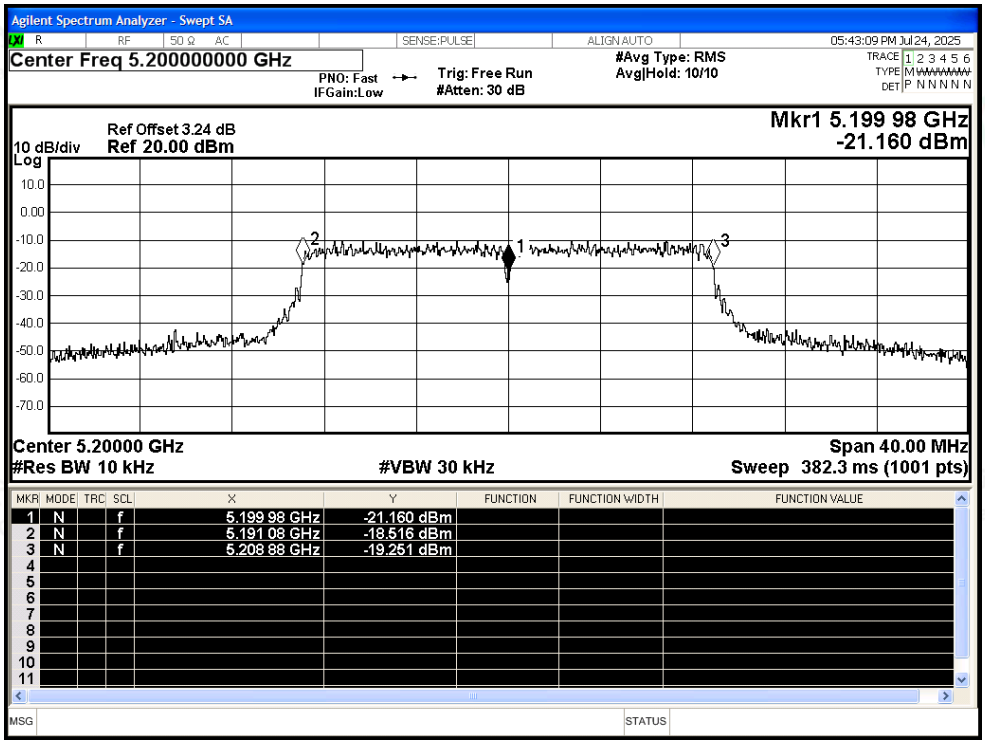
Freq. Stability NVNT ac80 5210MHz Ant3



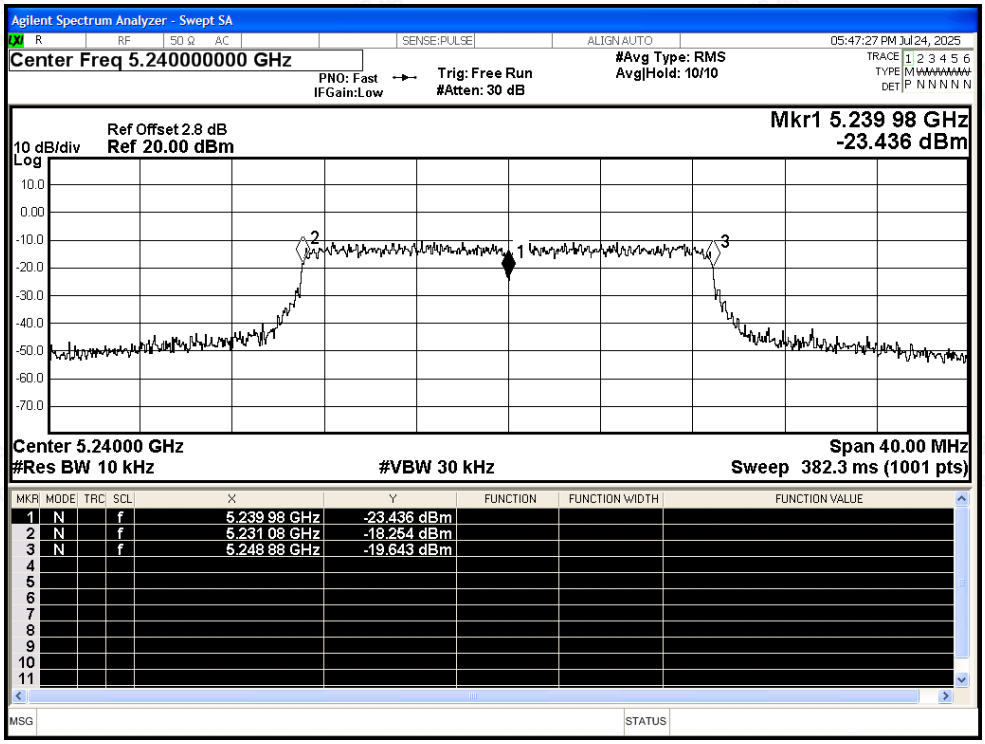
Freq. Stability NVNT ax20 5180MHz Ant3



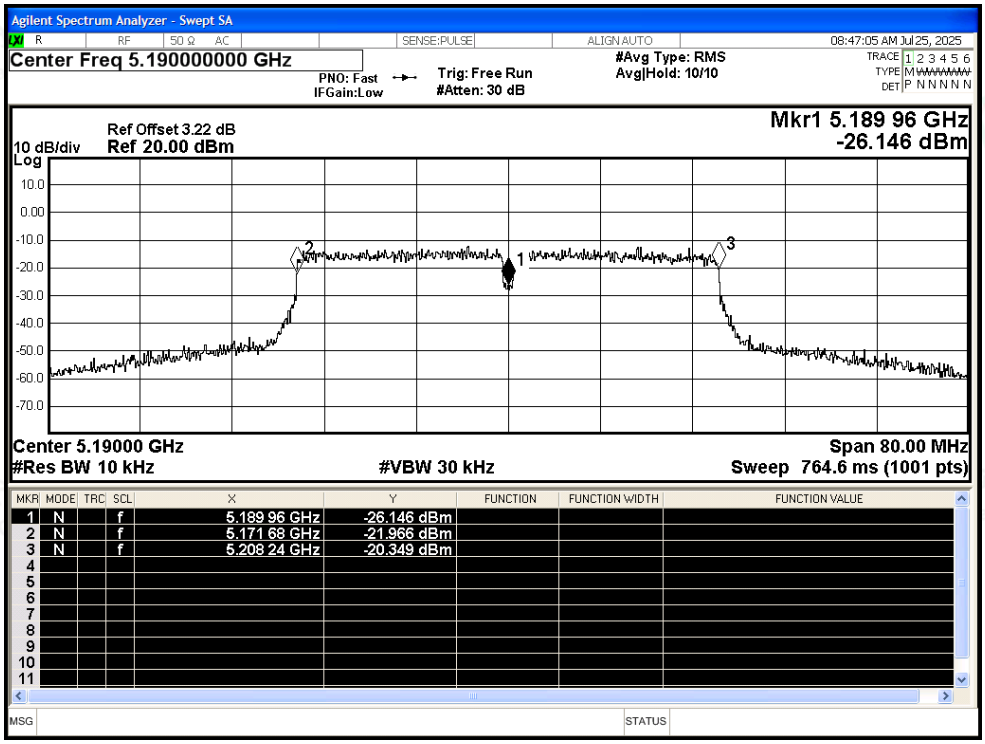
Freq. Stability NVNT ax20 5200MHz Ant3



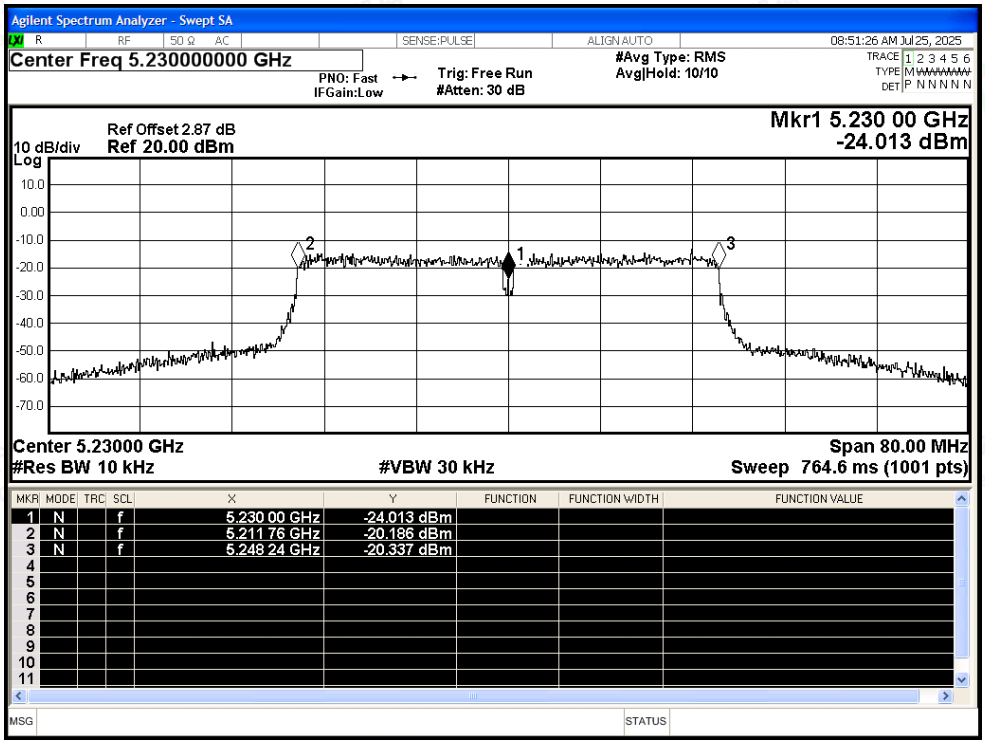
Freq. Stability NVNT ax20 5240MHz Ant3



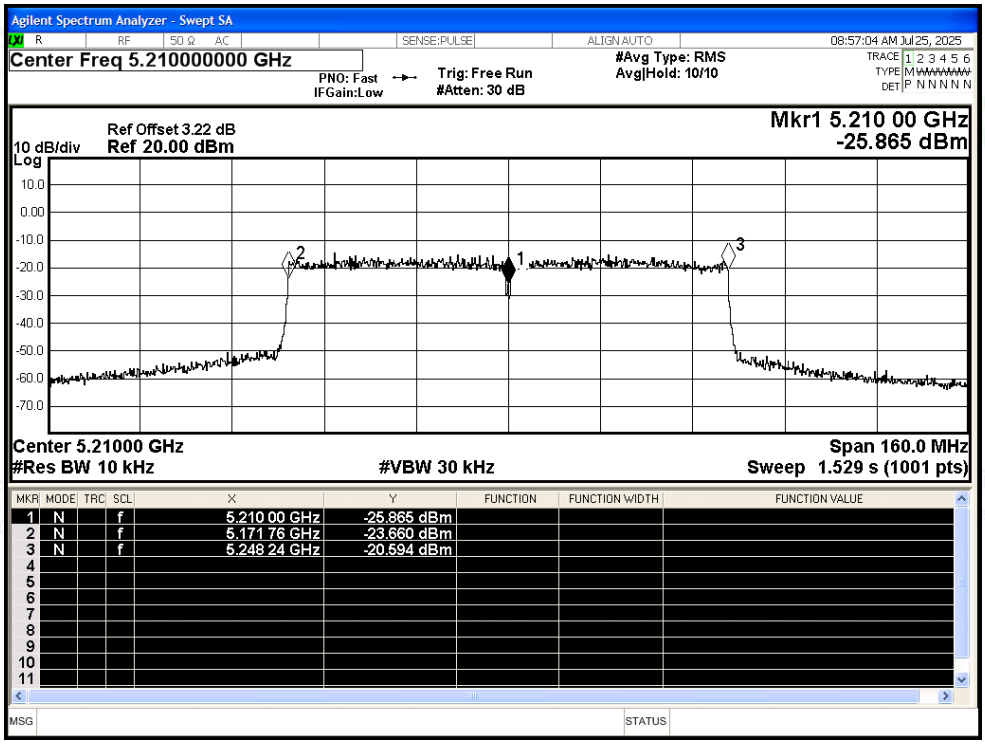
Freq. Stability NVNT ax40 5190MHz Ant3



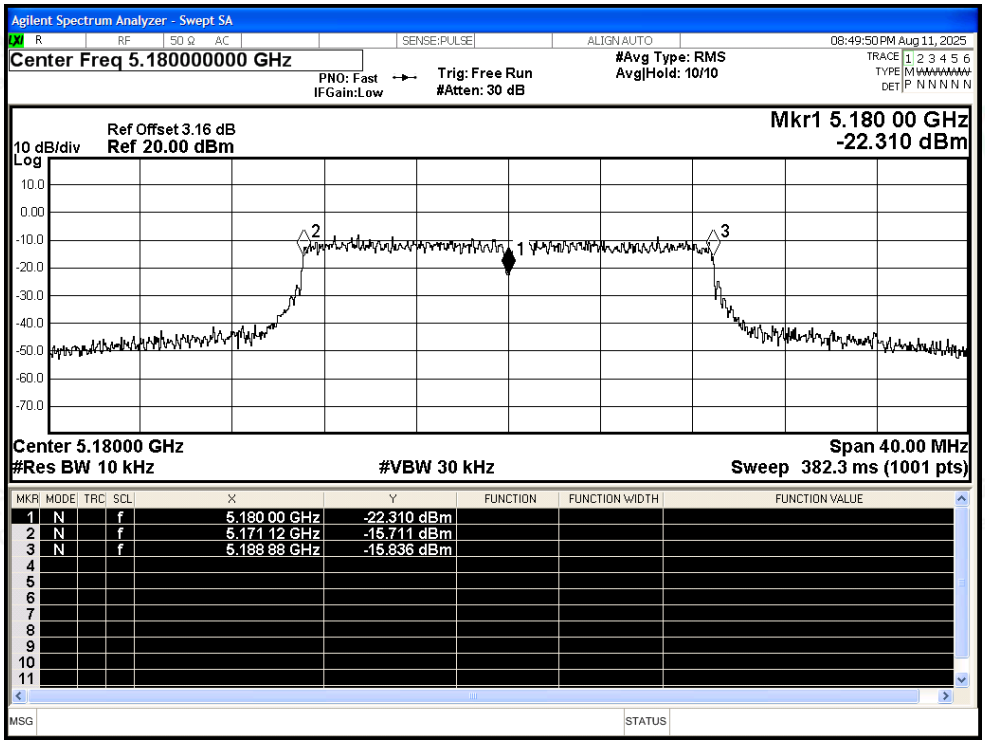
Freq. Stability NVNT ax40 5230MHz Ant3



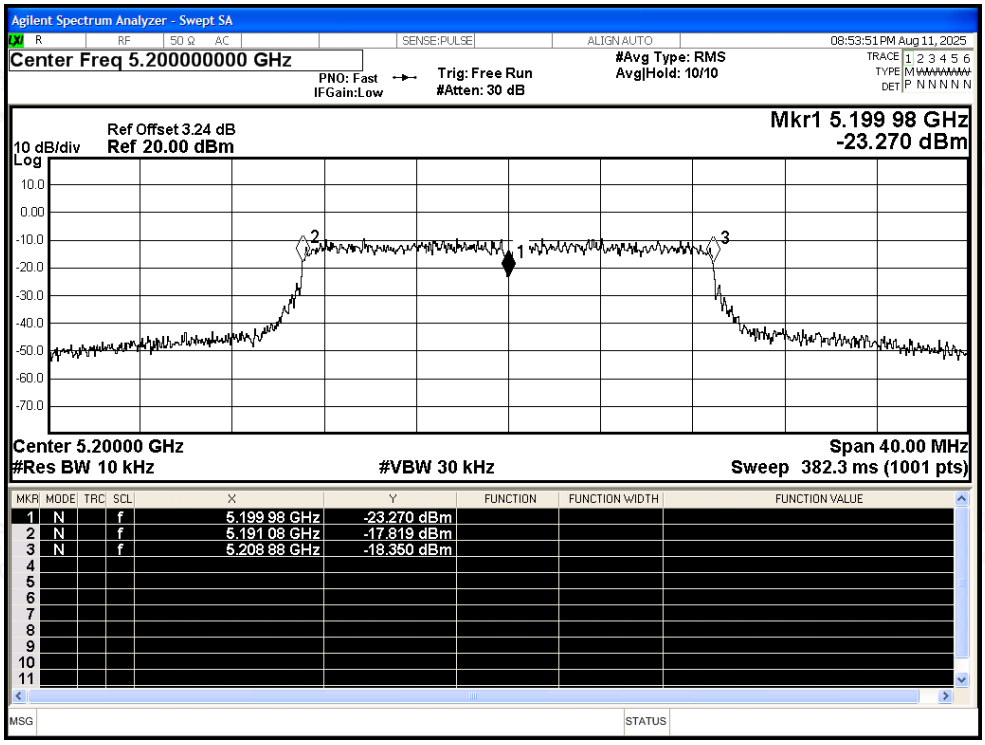
Freq. Stability NVNT ax80 5210MHz Ant3



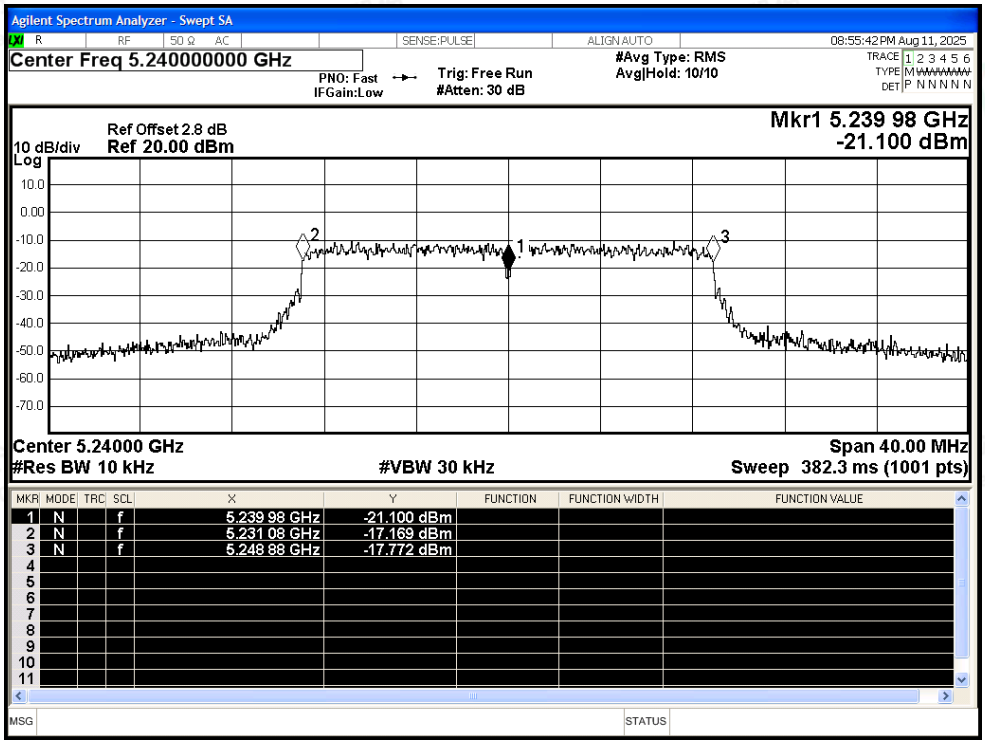
Freq. Stability NVNT be20 5180MHz Ant3



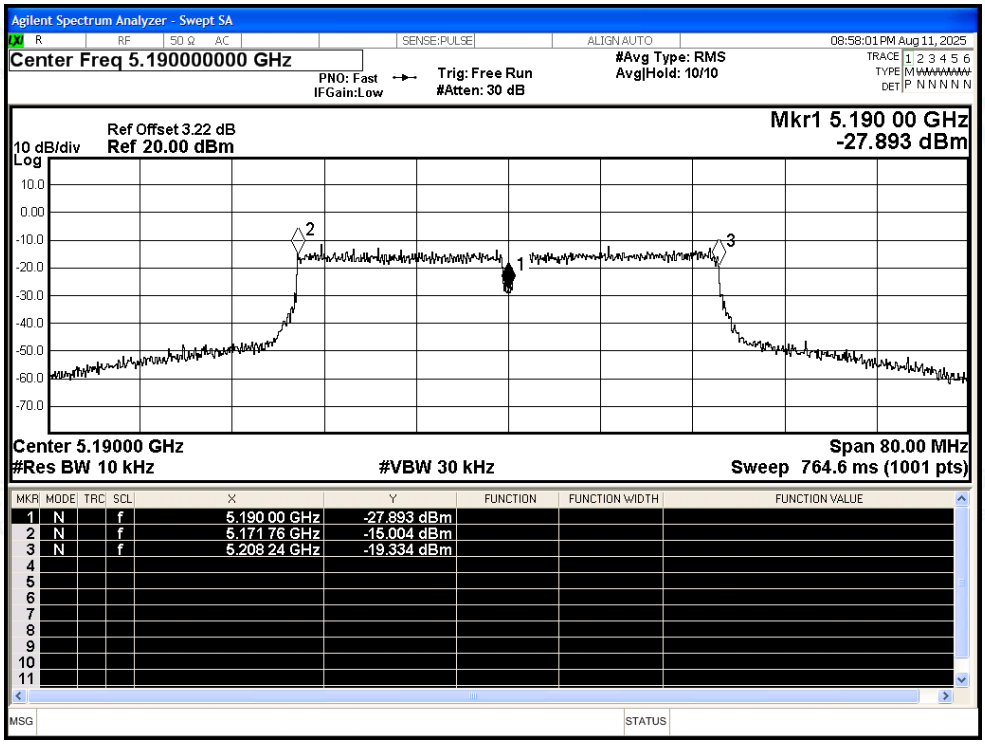
Freq. Stability NVNT be20 5200MHz Ant3



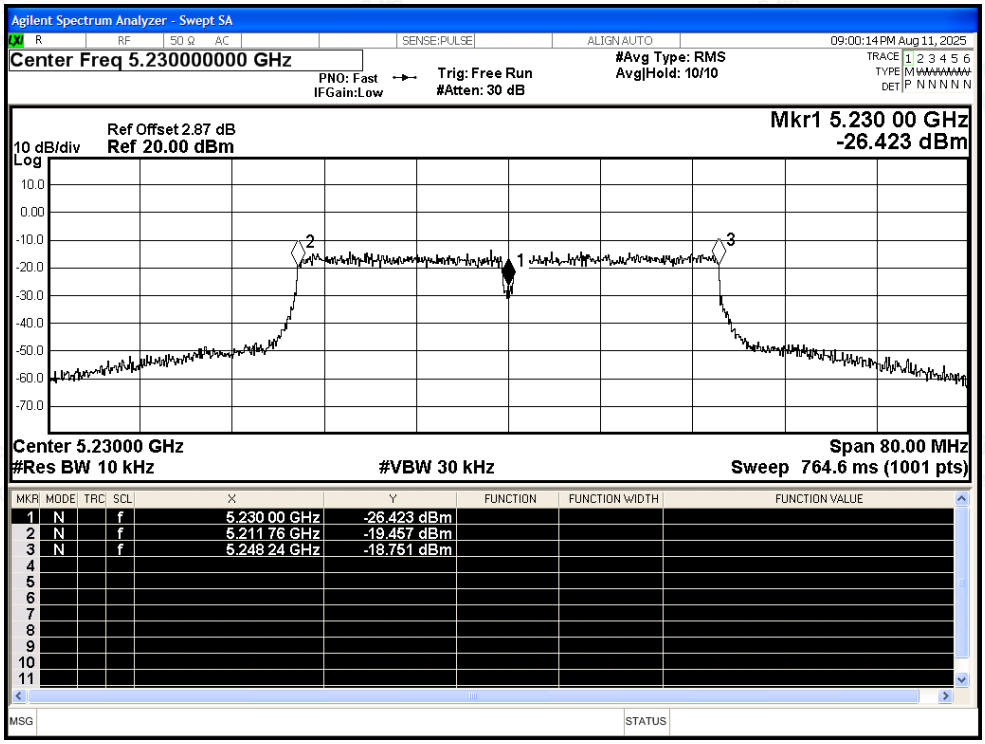
Freq. Stability NVNT be20 5240MHz Ant3



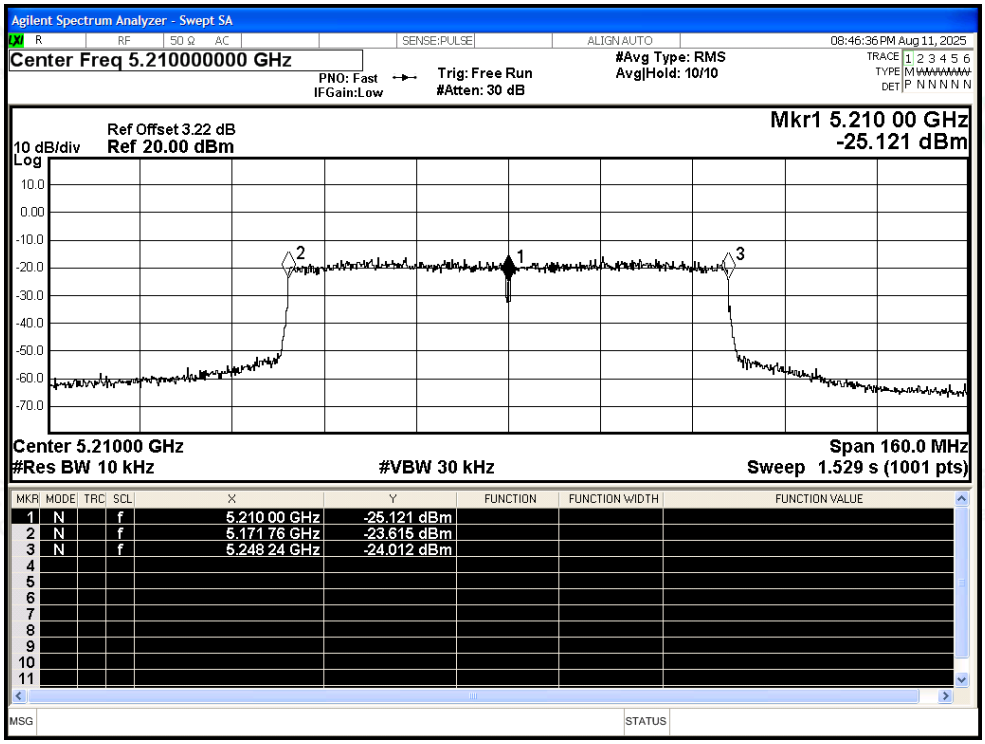
Freq. Stability NVNT be40 5190MHz Ant3



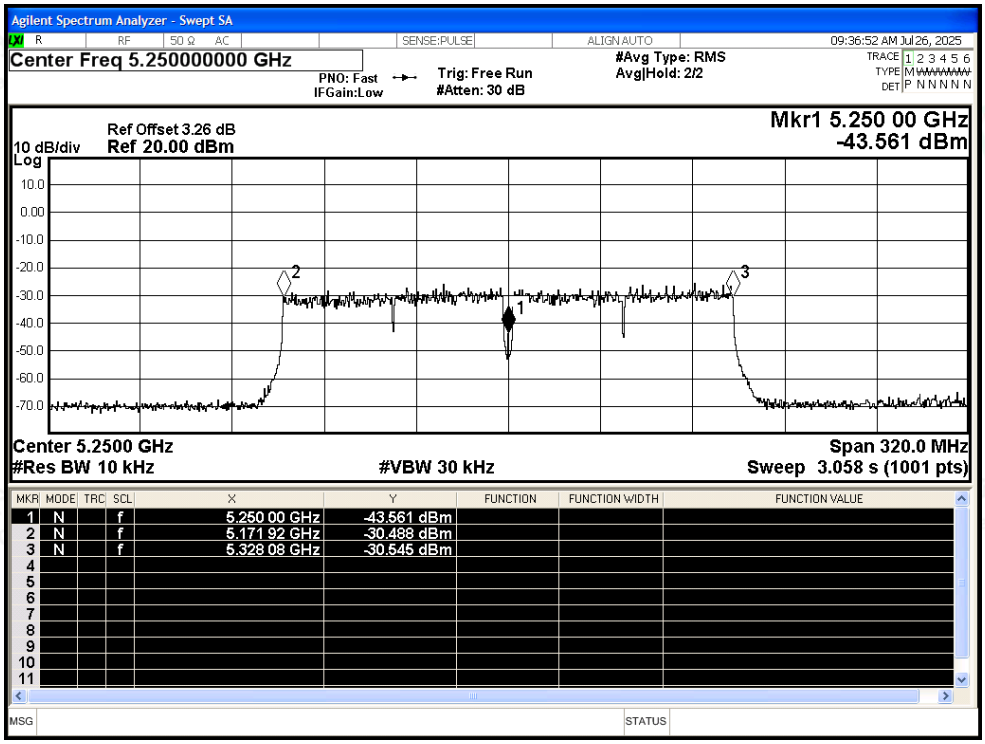
Freq. Stability NVNT be40 5230MHz Ant3



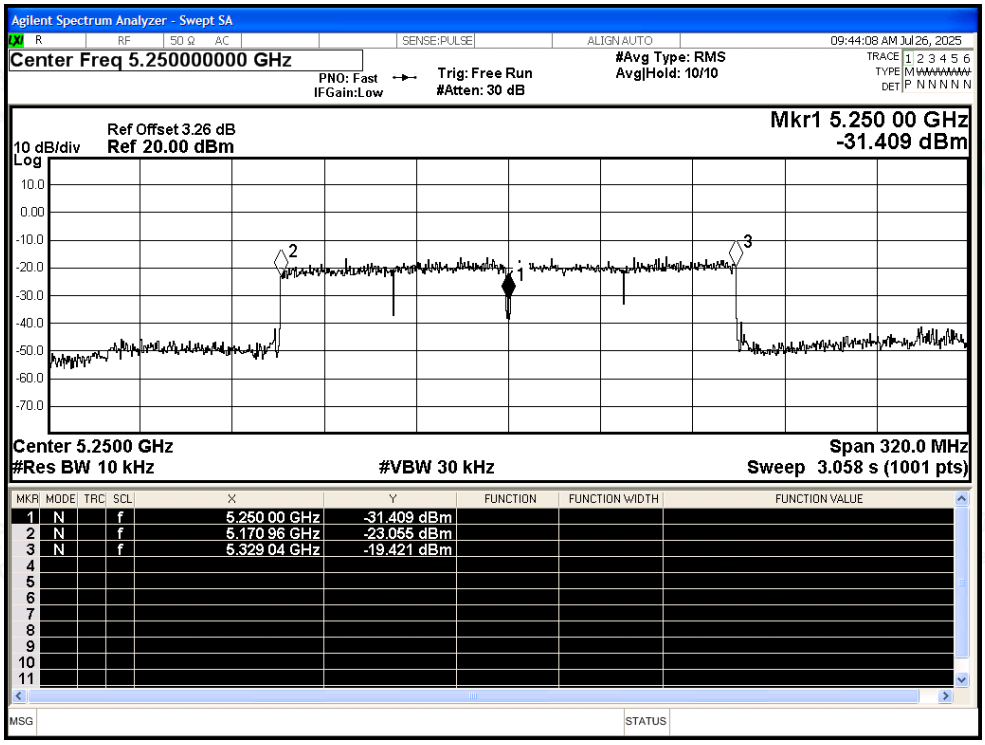
Freq. Stability NVNT be80 5210MHz Ant3



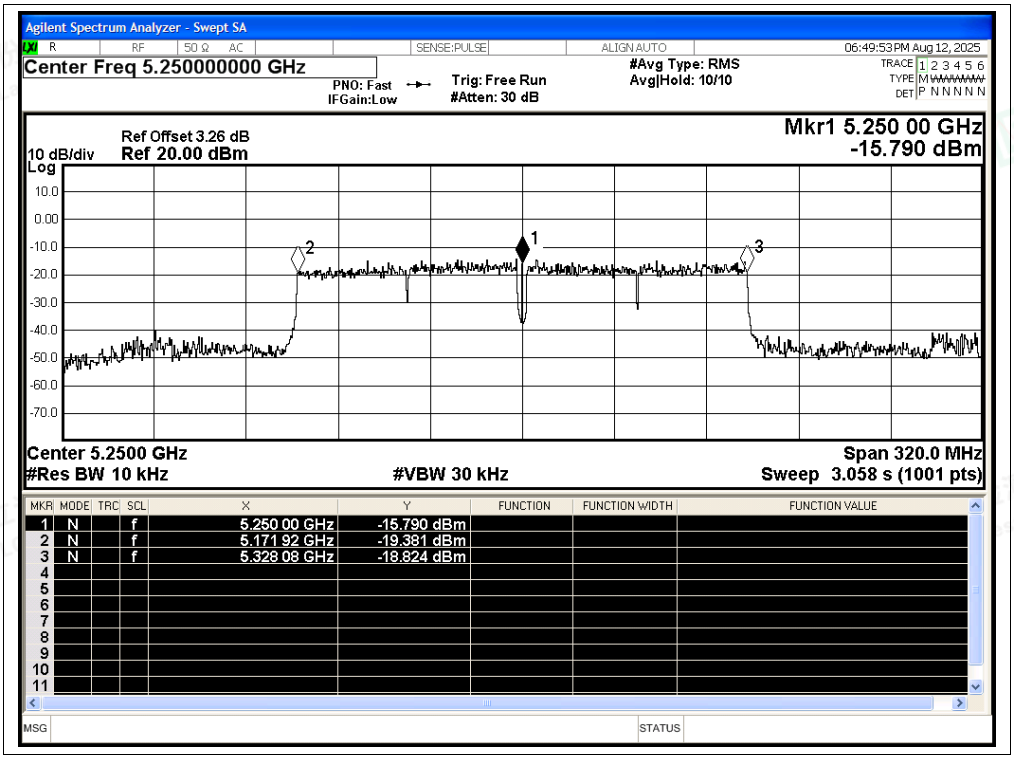
Freq. Stability NVNT ac160 5250MHz Ant3



Freq. Stability NVNT ax160 5250MHz Ant3



Freq. Stability NVNT be160 5250MHz Ant3

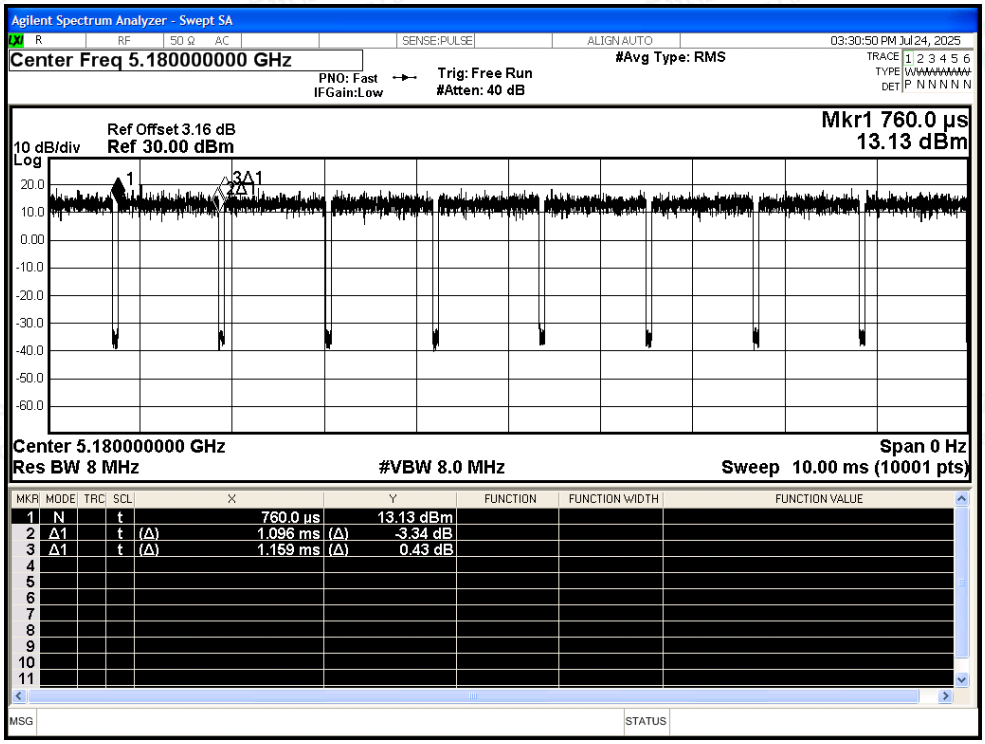

Agilent Spectrum Analyzer - Swept SA
Center Freq 5.250000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 10/10
06:49:53 PM Aug 12, 2025
Ref Offset 3.26 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 5.250 00 GHz
-15.790 dBm
Center 5.2500 GHz
#Res BW 10 kHz
#VBW 30 kHz
Span 320.0 MHz
Sweep 3.058 s (1001 pts)
1 N 1 f 5.250 00 GHz -15.790 dBm
2 N 1 f 5.171 92 GHz -19.381 dBm
3 N 1 f 5.328 08 GHz -18.824 dBm

B.6 Duty Cycle

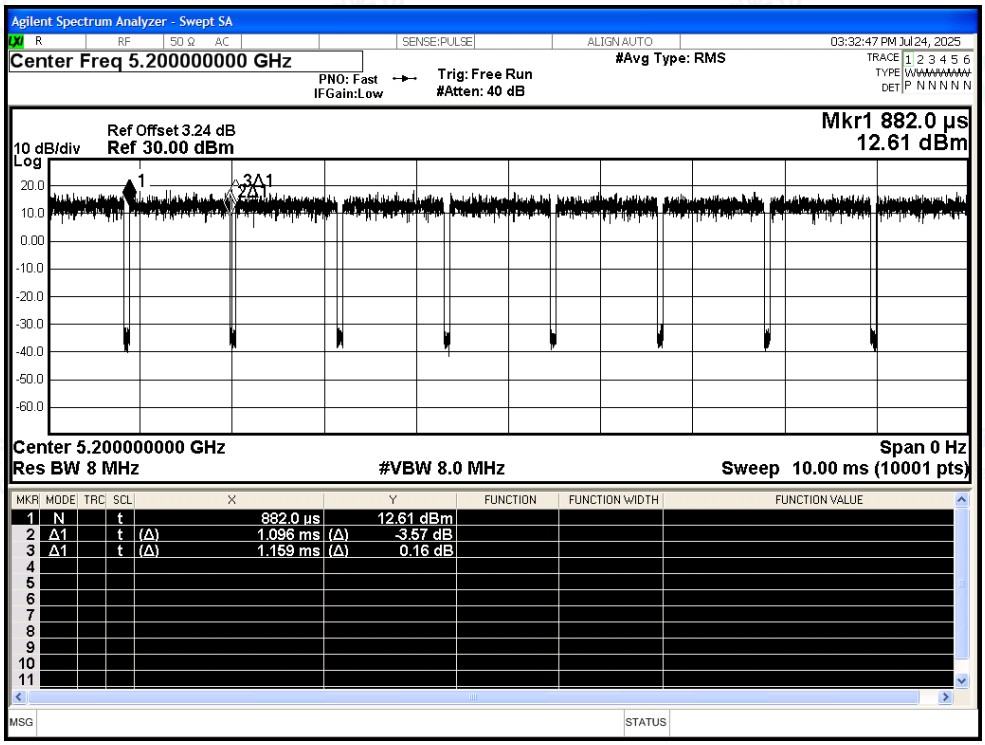
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	94.56	0.24	0.91
NVNT	a	5200	Ant1	94.56	0.24	0.91
NVNT	a	5240	Ant1	94.56	0.24	0.91
NVNT	n20	5180	Ant1	97.29	0.12	0.44
NVNT	n20	5200	Ant1	97.33	0.12	0.44
NVNT	n20	5240	Ant1	97.29	0.12	0.44
NVNT	n40	5190	Ant1	94.79	0.23	0.9
NVNT	n40	5230	Ant1	94.71	0.24	0.9
NVNT	ac20	5180	Ant1	97.3	0.12	0.44
NVNT	ac20	5200	Ant1	97.3	0.12	0.44
NVNT	ac20	5240	Ant1	97.34	0.12	0.44
NVNT	ac40	5190	Ant1	94.72	0.24	0.9
NVNT	ac40	5230	Ant1	94.72	0.24	0.9
NVNT	ac80	5210	Ant1	89.65	0.47	1.86
NVNT	ax20	5180	Ant1	97.34	0.12	0.44
NVNT	ax20	5200	Ant1	97.34	0.12	0.44
NVNT	ax20	5240	Ant1	97.34	0.12	0.44
NVNT	ax40	5190	Ant1	94.81	0.23	0.9
NVNT	ax40	5230	Ant1	94.72	0.24	0.9
NVNT	ax80	5210	Ant1	89.65	0.47	1.86
NVNT	be20	5180	Ant1	97.3	0.12	0.44
NVNT	be20	5200	Ant1	97.34	0.12	0.44
NVNT	be20	5240	Ant1	97.38	0.12	0.44
NVNT	be40	5190	Ant1	94.72	0.24	0.9
NVNT	be40	5230	Ant1	94.72	0.24	0.9
NVNT	be80	5210	Ant1	89.65	0.47	1.86
NVNT	ac160	5250	Ant1	40	3.98	5.95
NVNT	ax160	5250	Ant1	40	3.98	5.95
NVNT	be160	5250	Ant1	41.94	3.77	5.49

Test Graphs

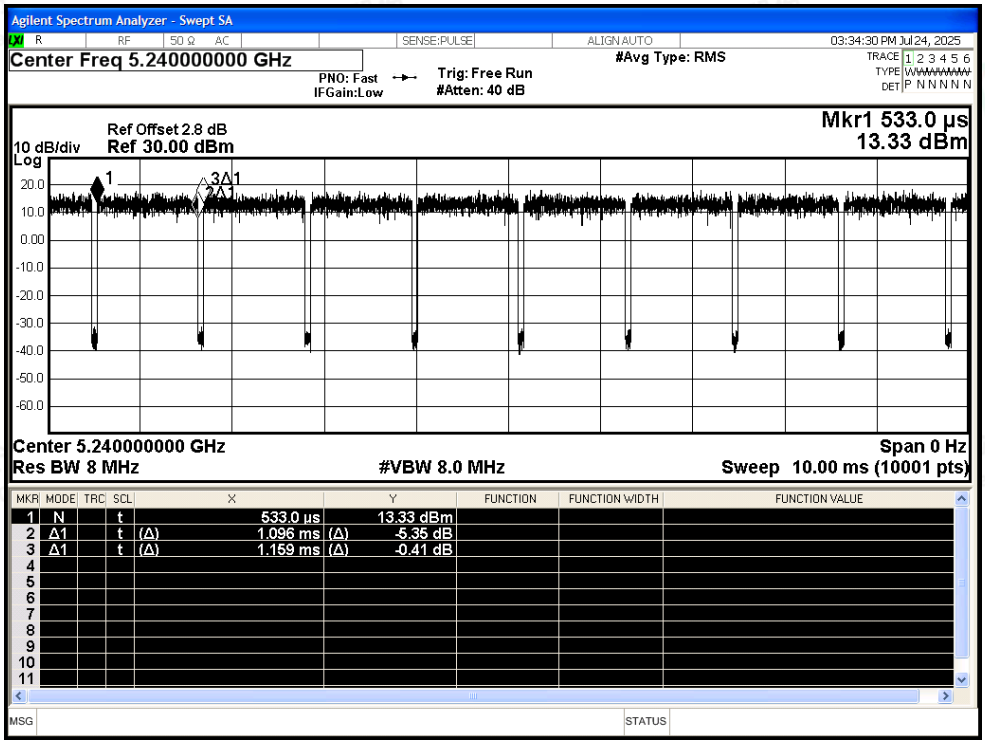
Duty Cycle NVNT a 5180MHz Ant1



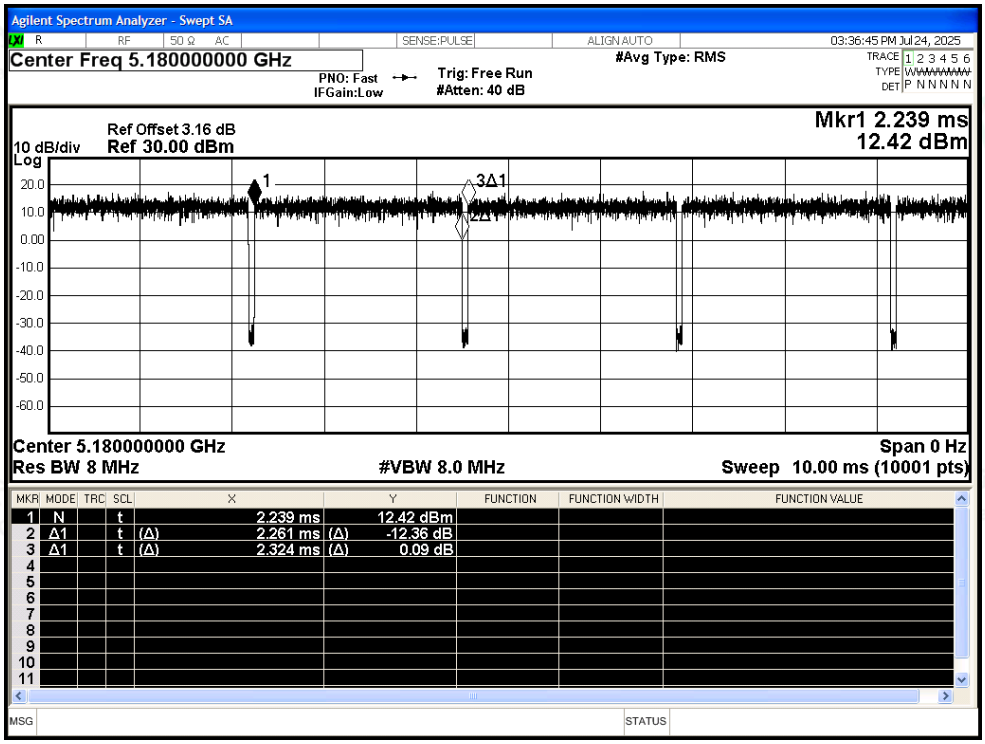
Duty Cycle NVNT a 5200MHz Ant1



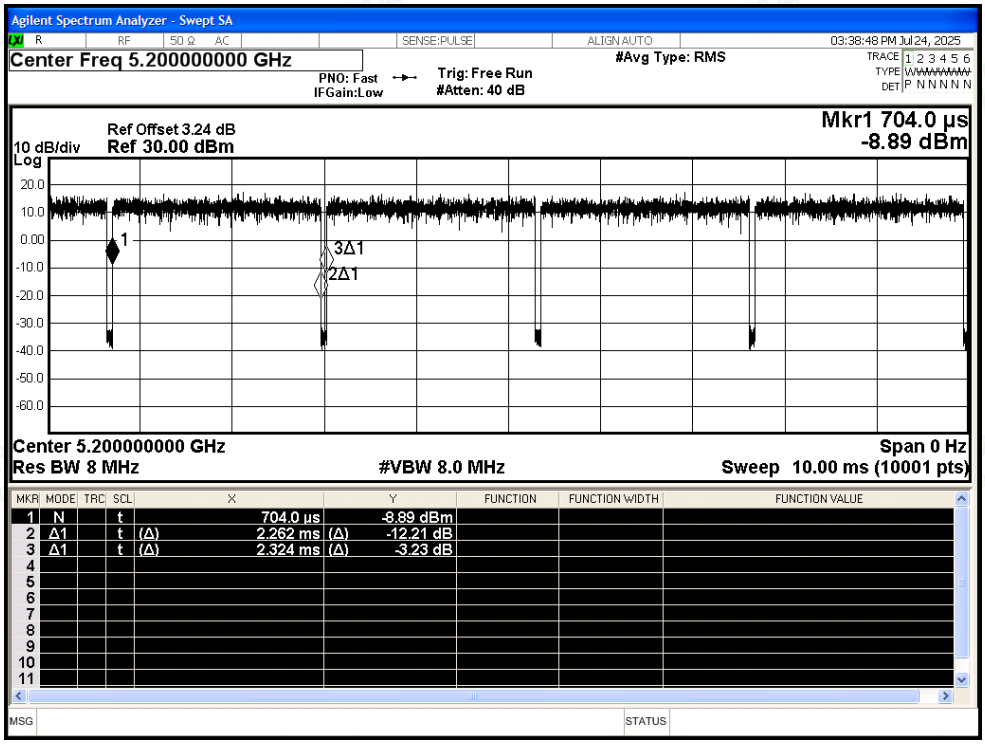
Duty Cycle NVNT a 5240MHz Ant1



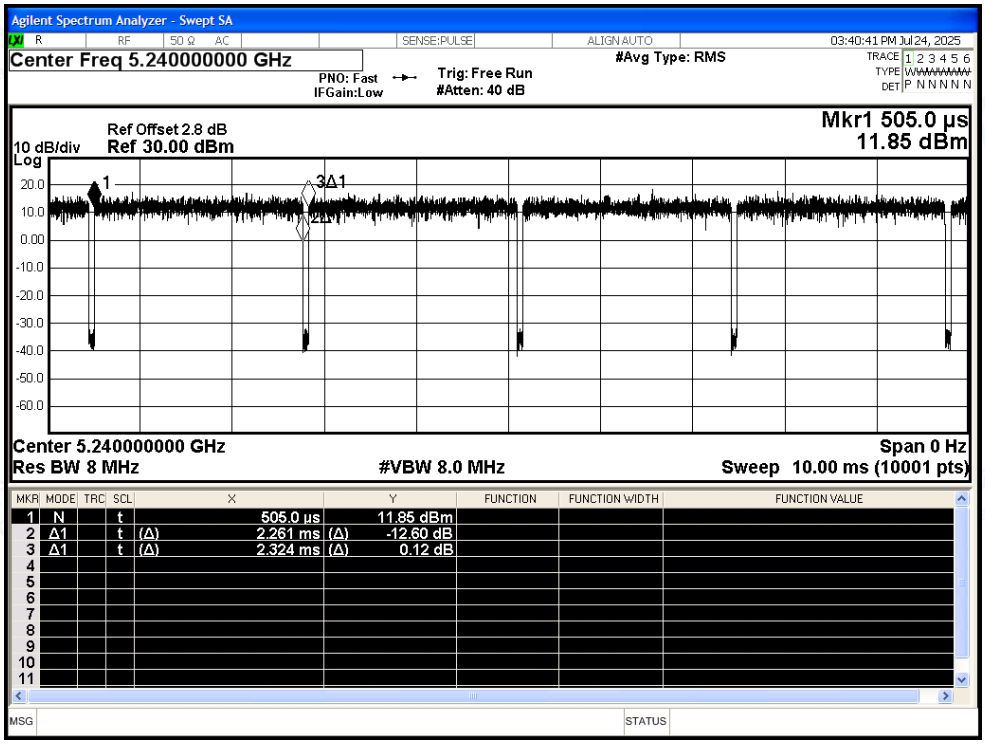
Duty Cycle NVNT n20 5180MHz Ant1



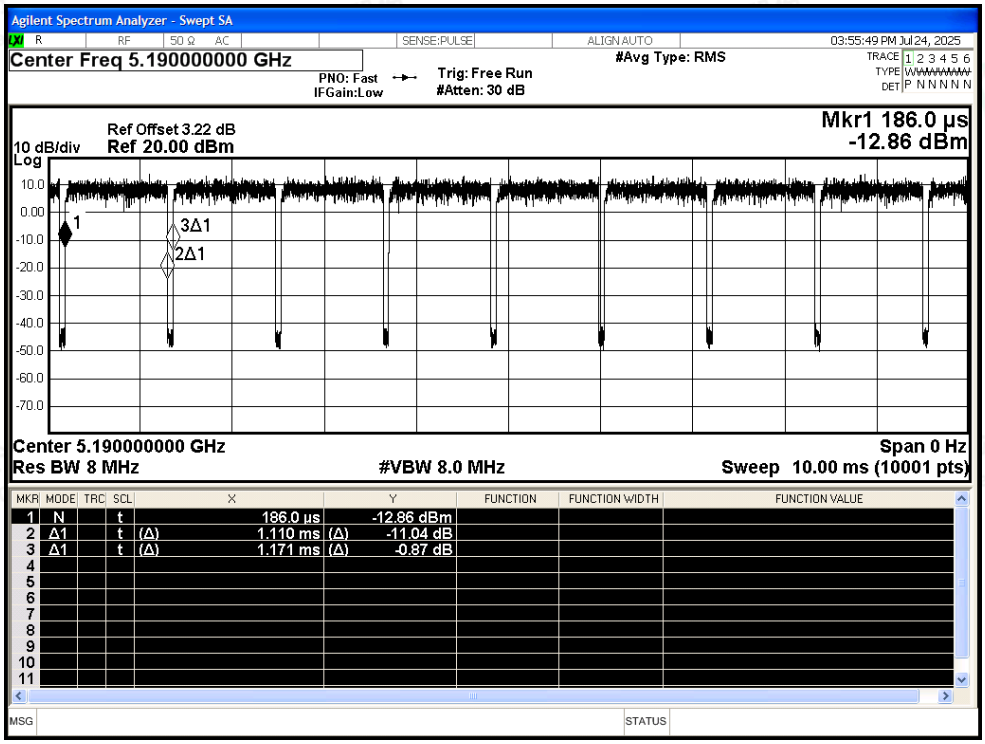
Duty Cycle NVNT n20 5200MHz Ant1



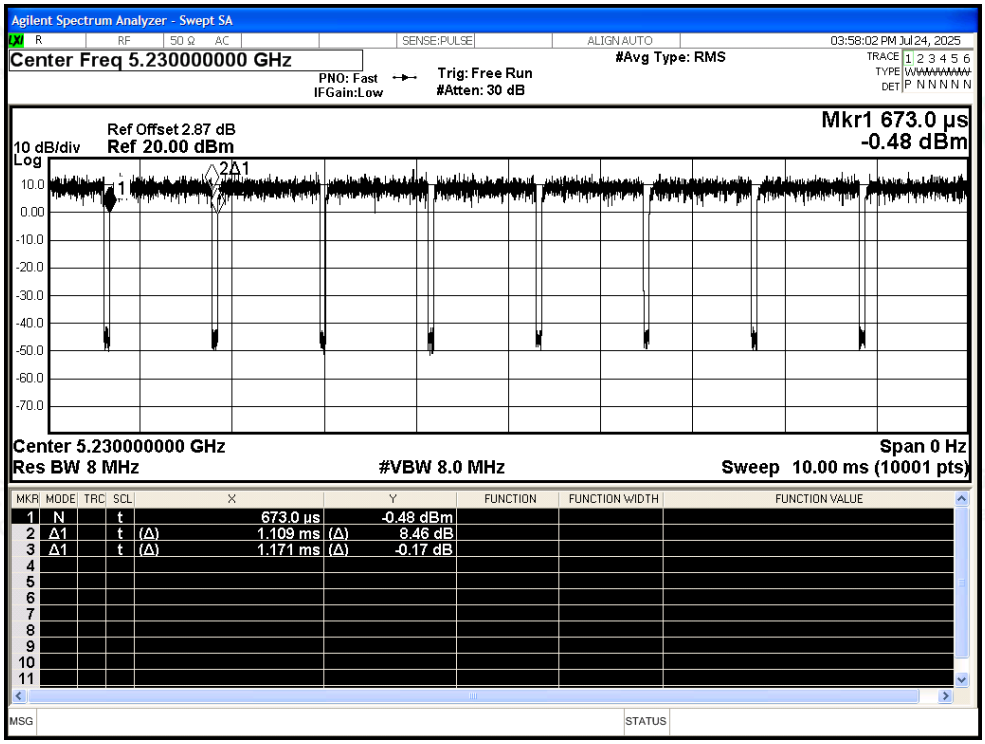
Duty Cycle NVNT n20 5240MHz Ant1



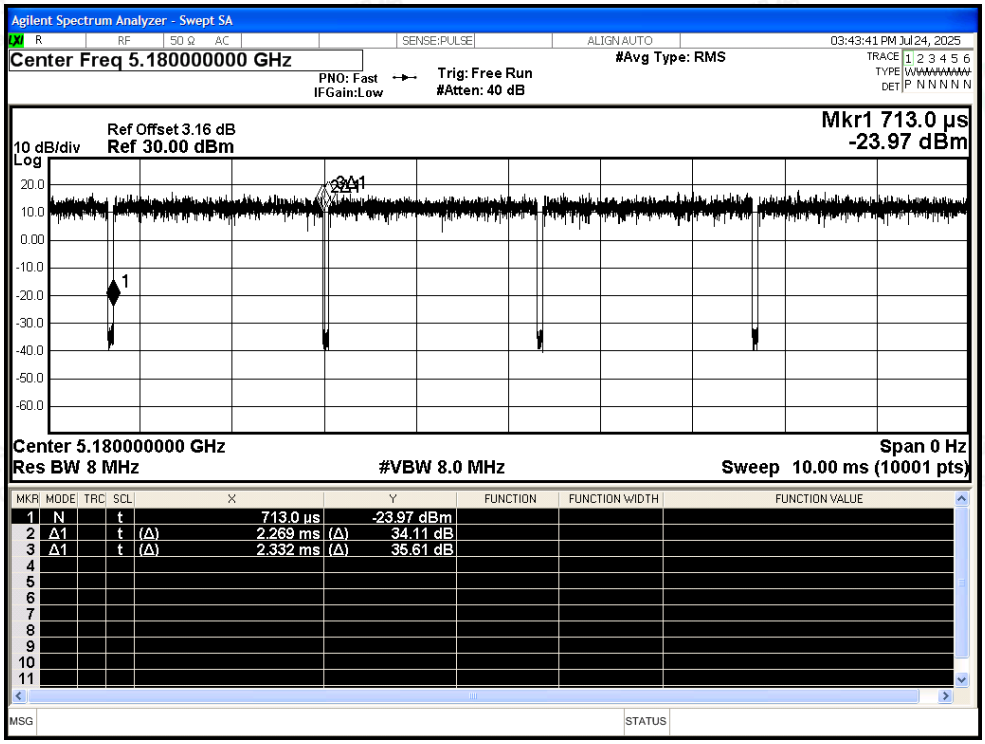
Duty Cycle NVNT n40 5190MHz Ant1



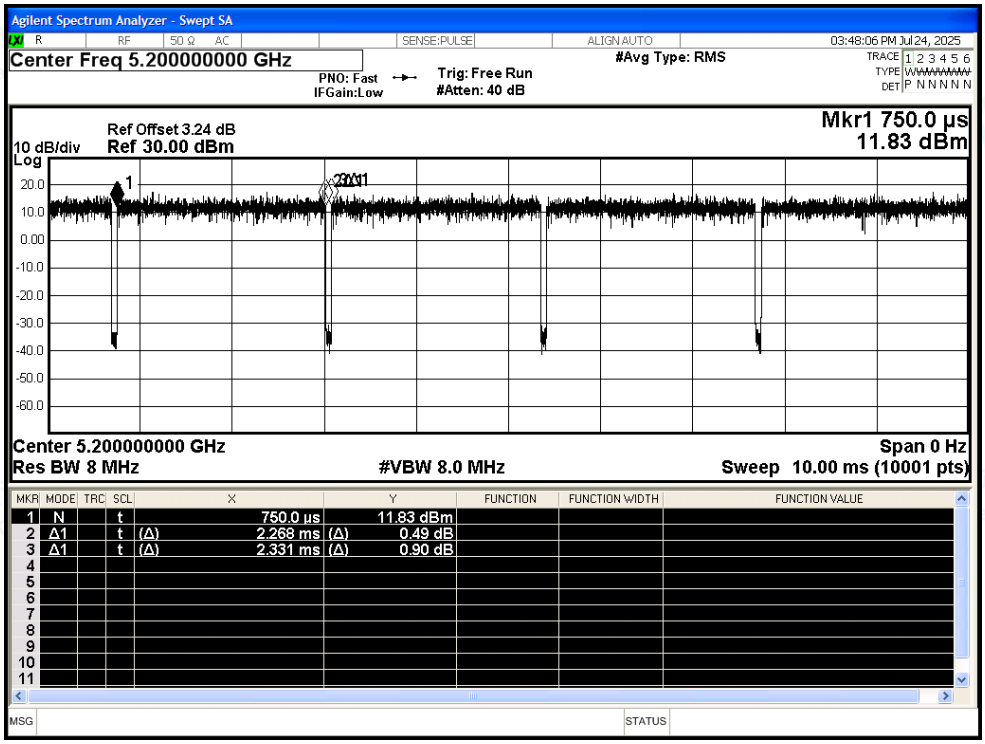
Duty Cycle NVNT n40 5230MHz Ant1



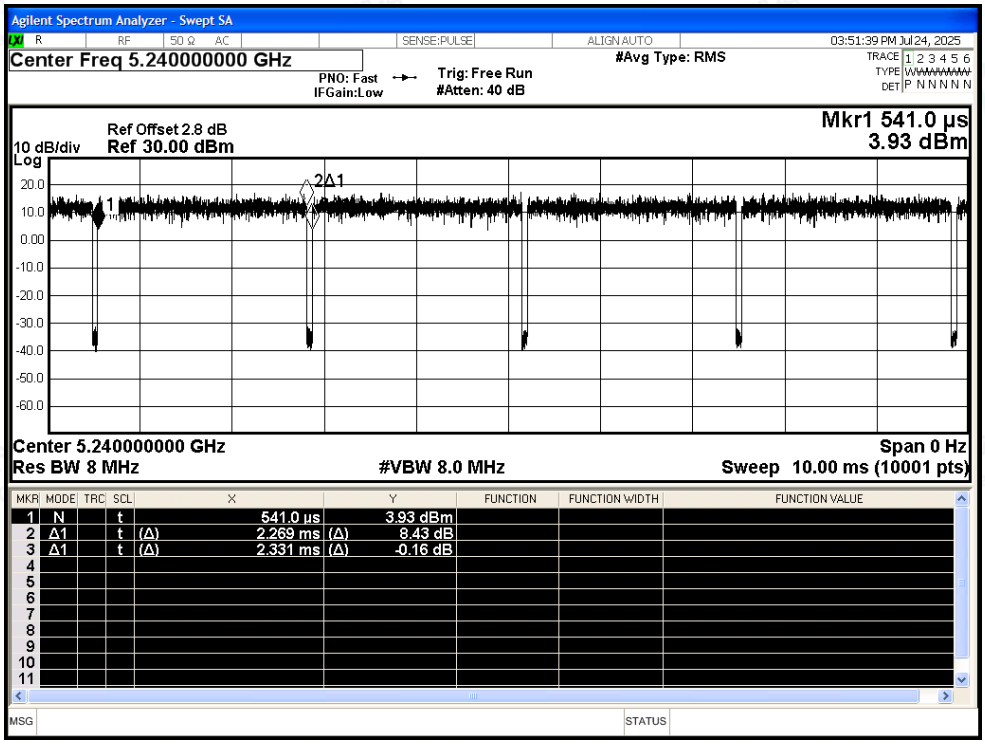
Duty Cycle NVNT ac20 5180MHz Ant1



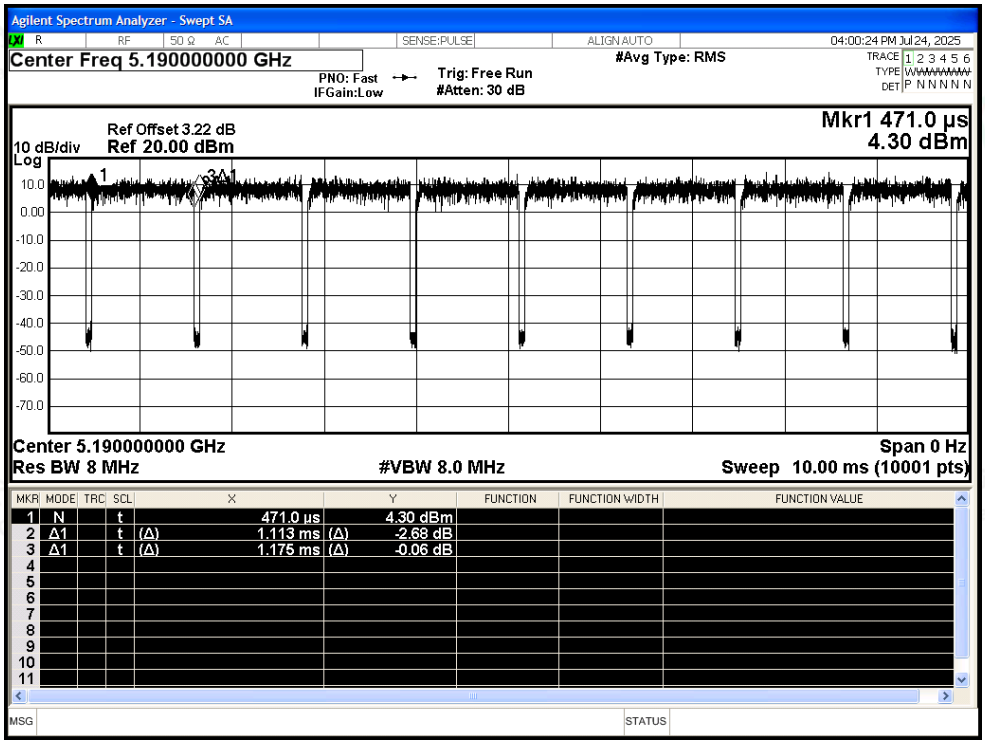
Duty Cycle NVNT ac20 5200MHz Ant1



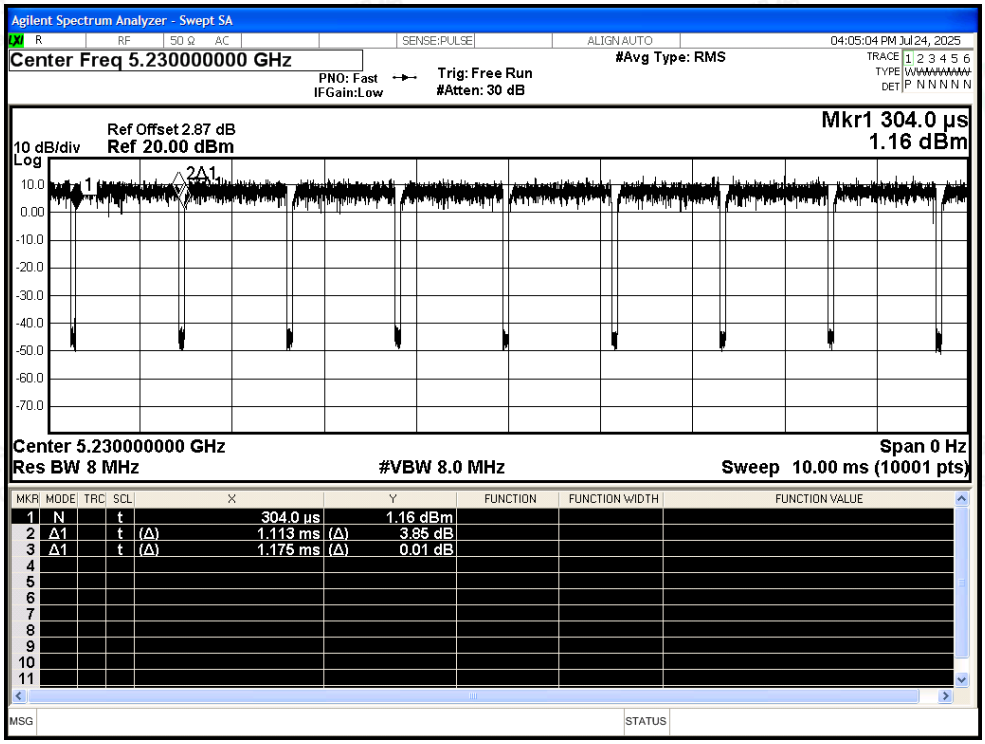
Duty Cycle NVNT ac20 5240MHz Ant1



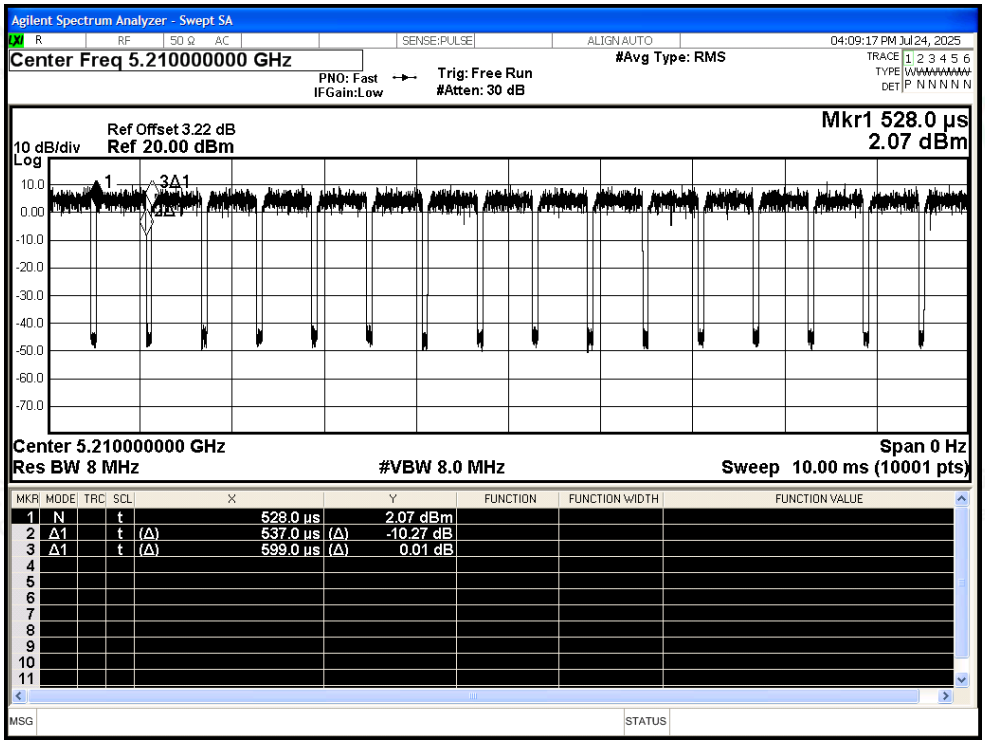
Duty Cycle NVNT ac40 5190MHz Ant1



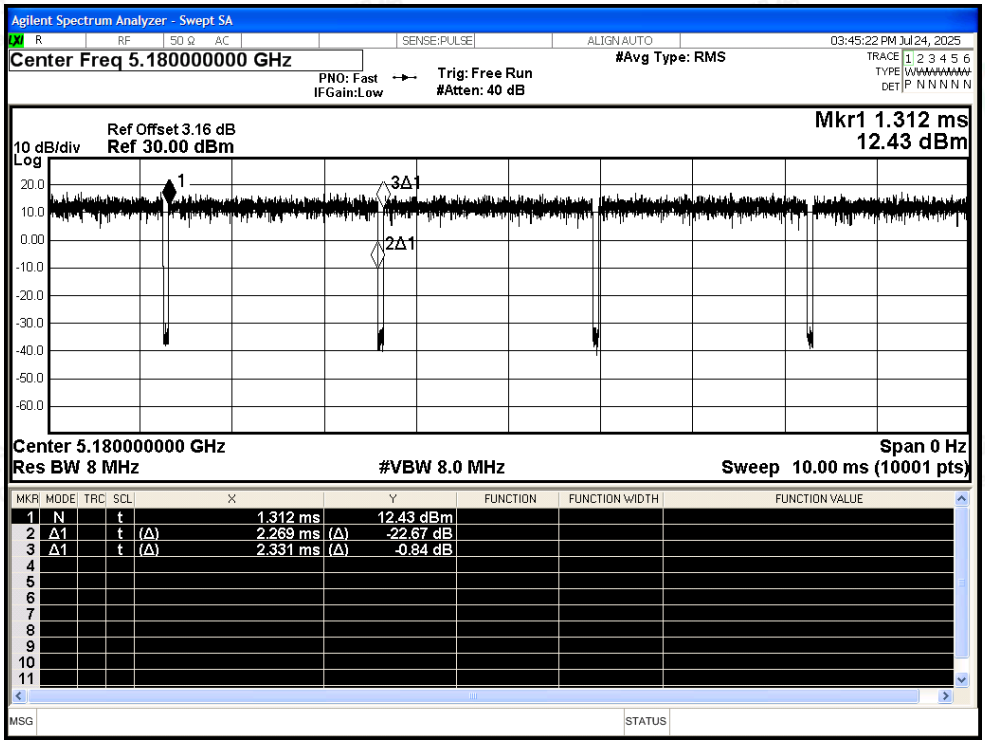
Duty Cycle NVNT ac40 5230MHz Ant1



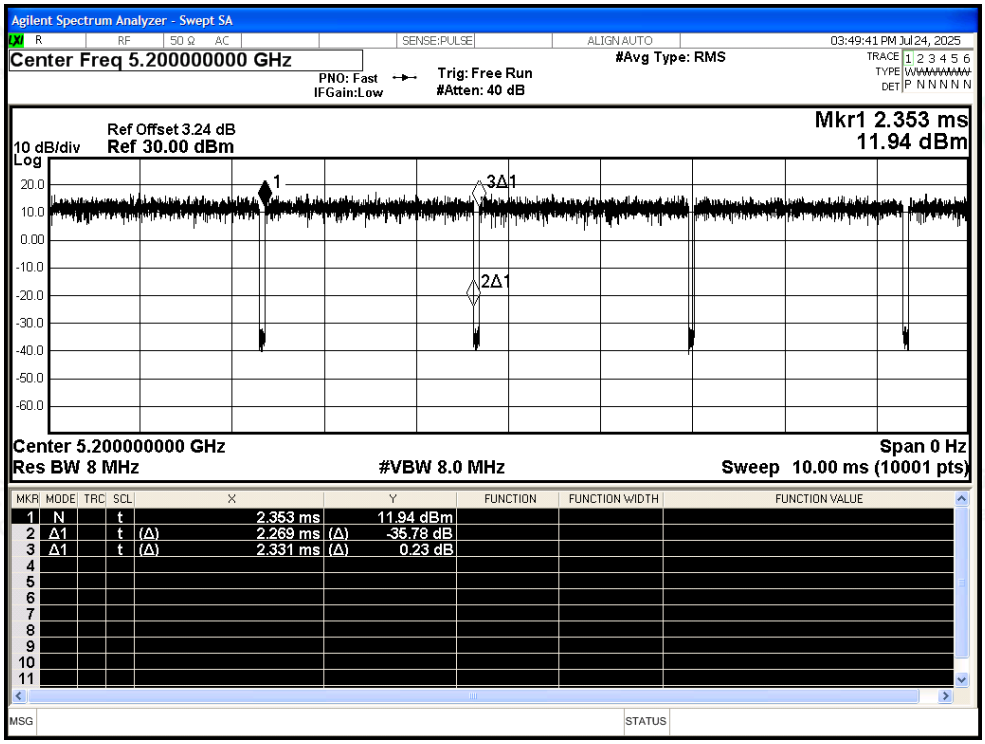
Duty Cycle NVNT ac80 5210MHz Ant1



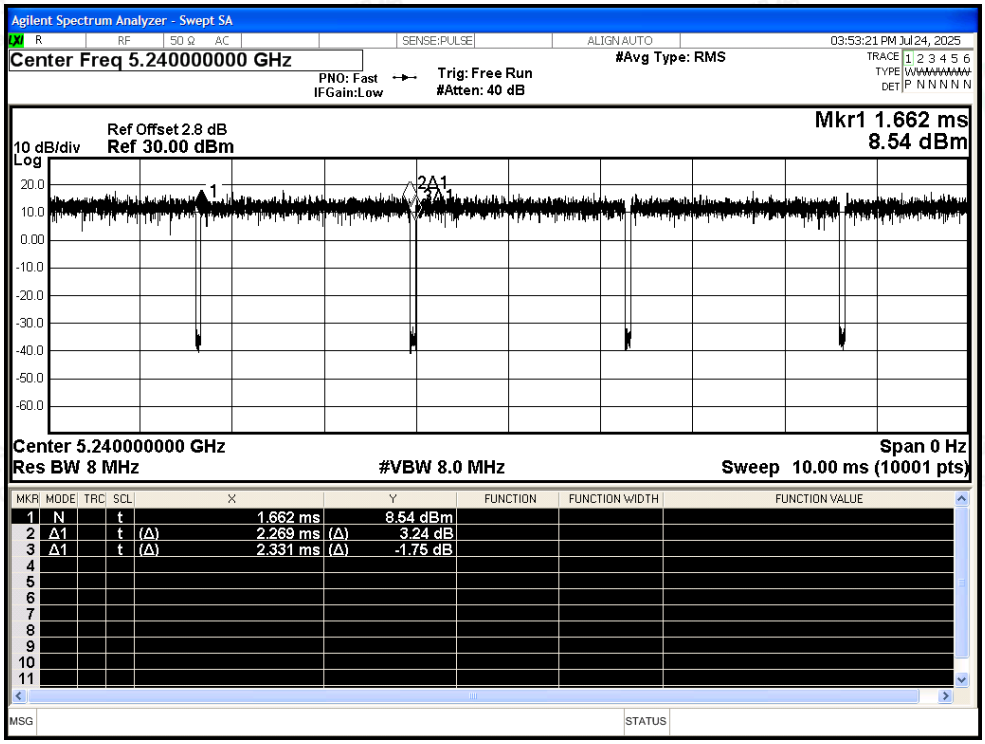
Duty Cycle NVNT ax20 5180MHz Ant1



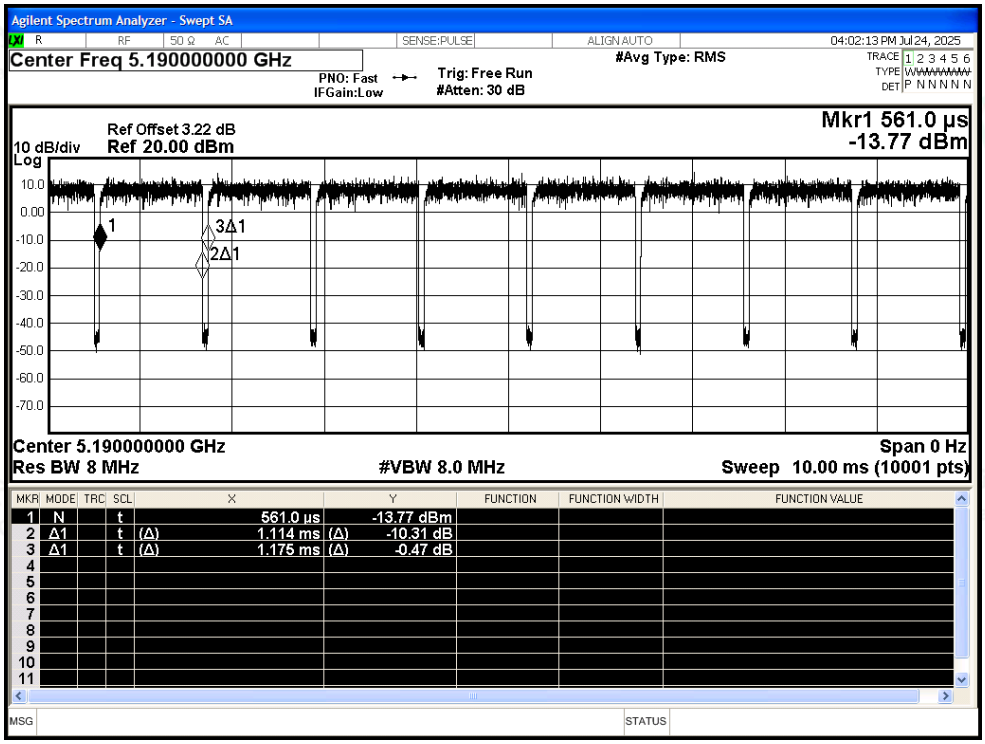
Duty Cycle NVNT ax20 5200MHz Ant1



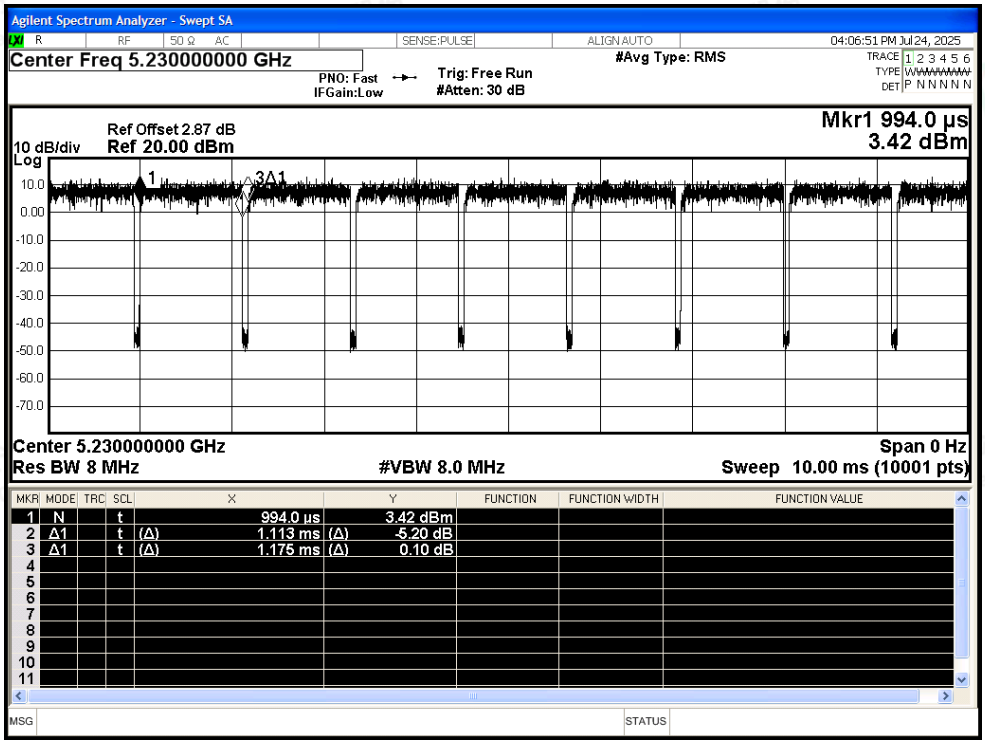
Duty Cycle NVNT ax20 5240MHz Ant1



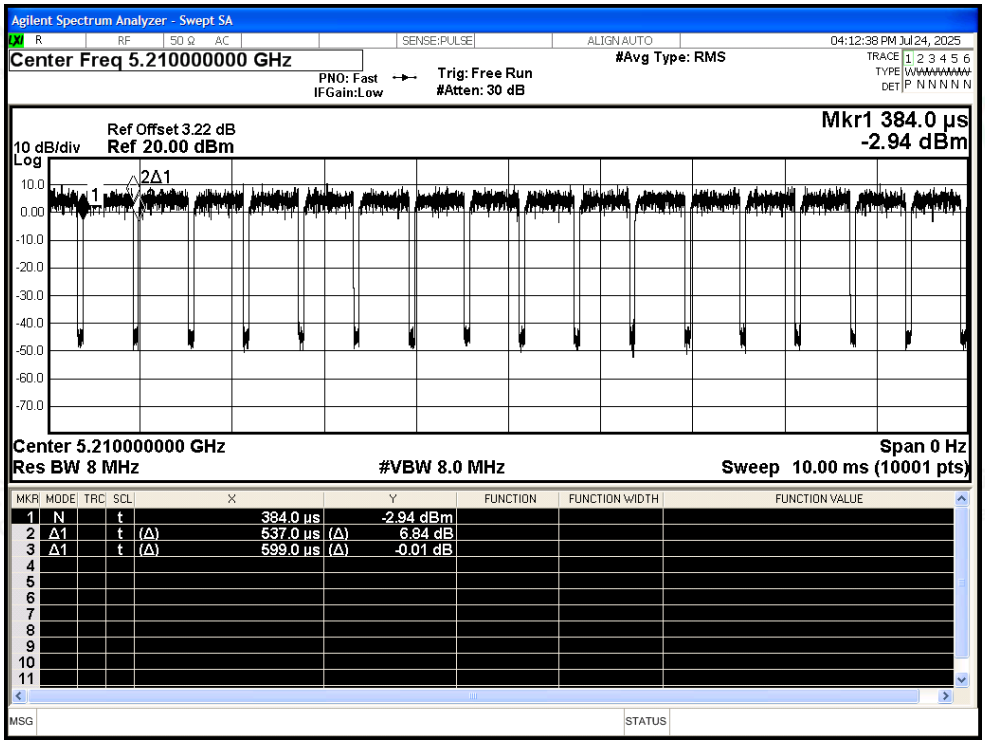
Duty Cycle NVNT ax40 5190MHz Ant1



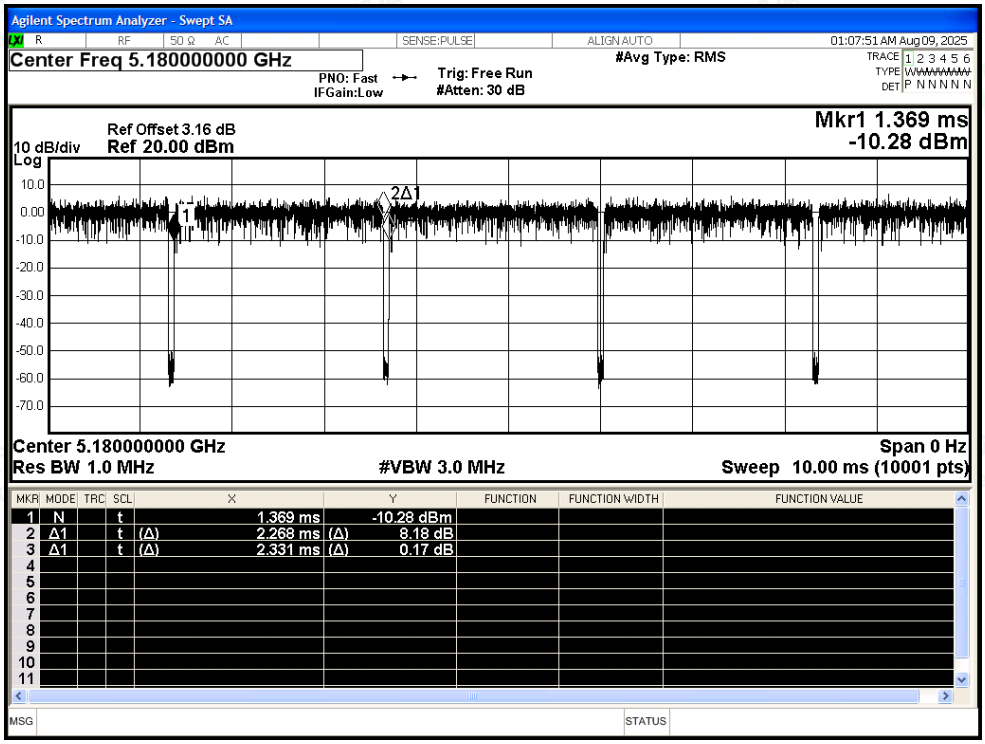
Duty Cycle NVNT ax40 5230MHz Ant1



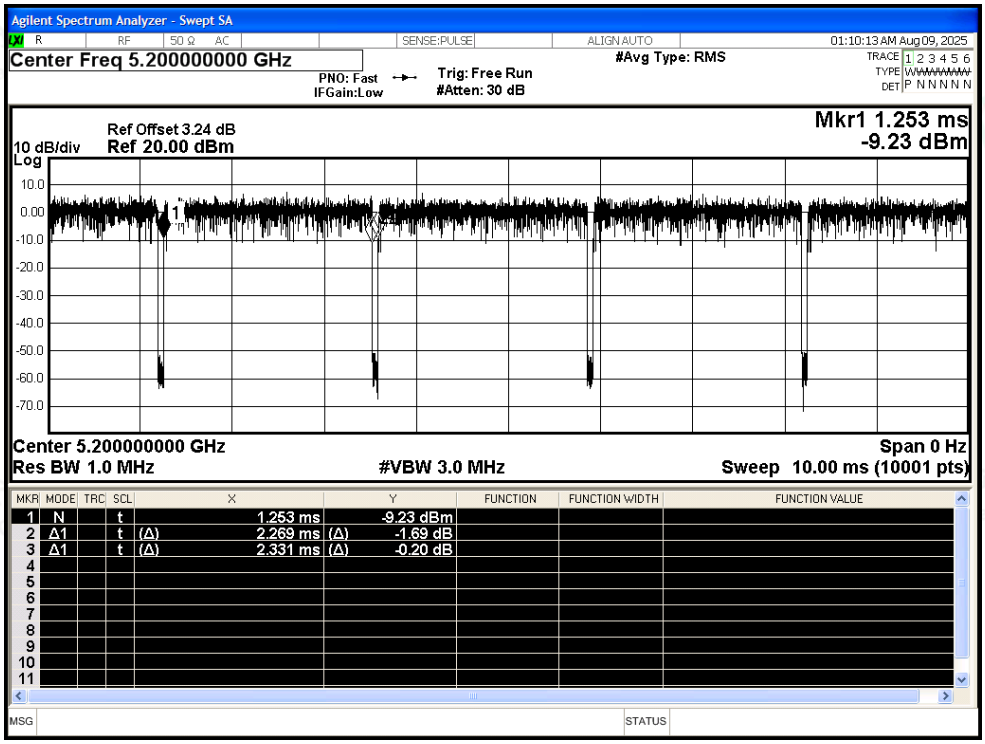
Duty Cycle NVNT ax80 5210MHz Ant1



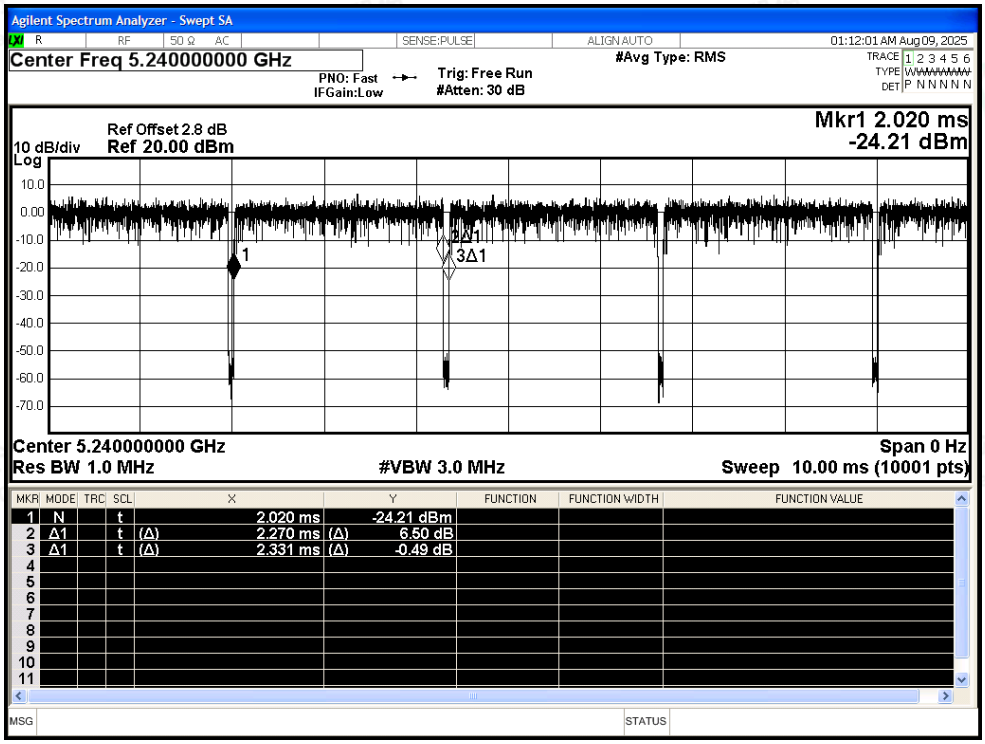
Duty Cycle NVNT be20 5180MHz Ant1



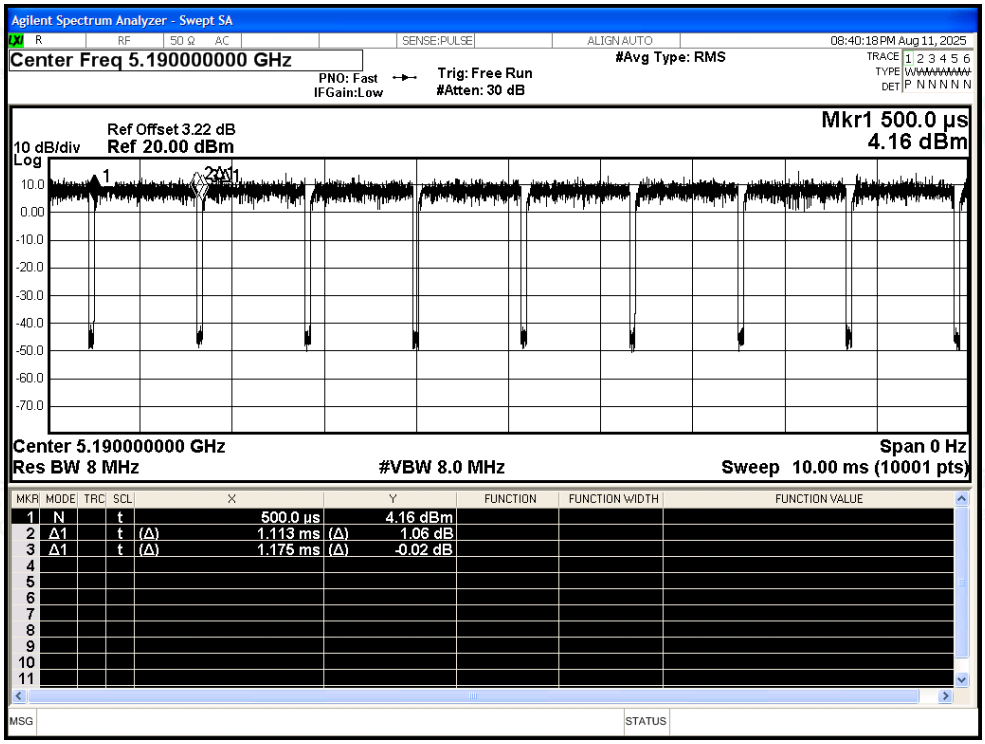
Duty Cycle NVNT be20 5200MHz Ant1



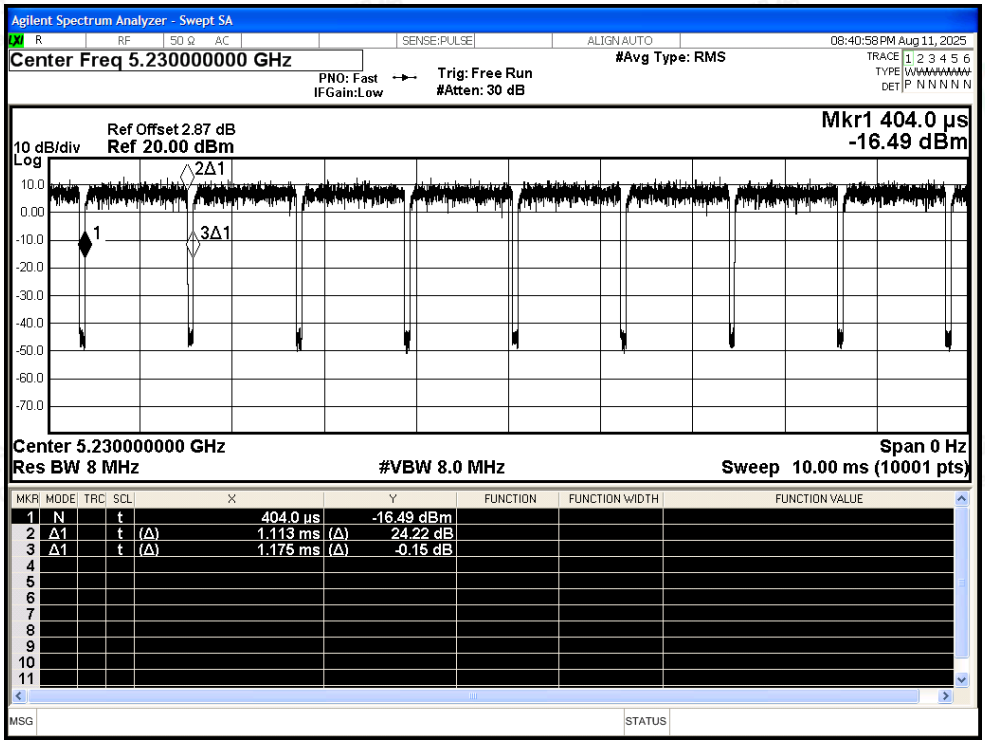
Duty Cycle NVNT be20 5240MHz Ant1



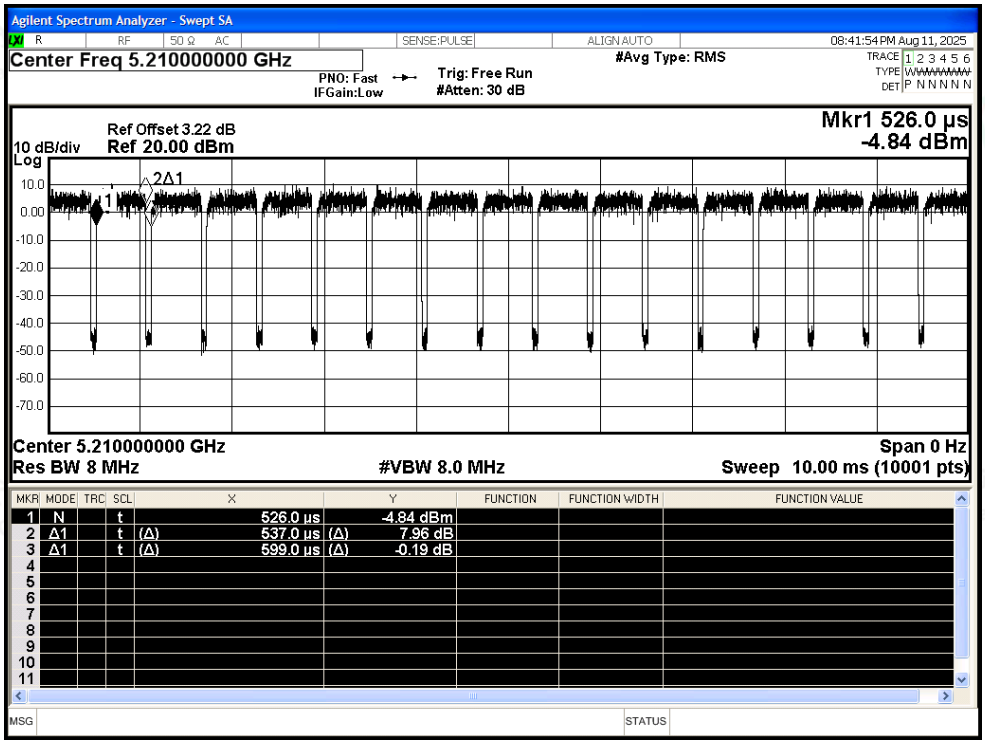
Duty Cycle NVNT be40 5190MHz Ant1



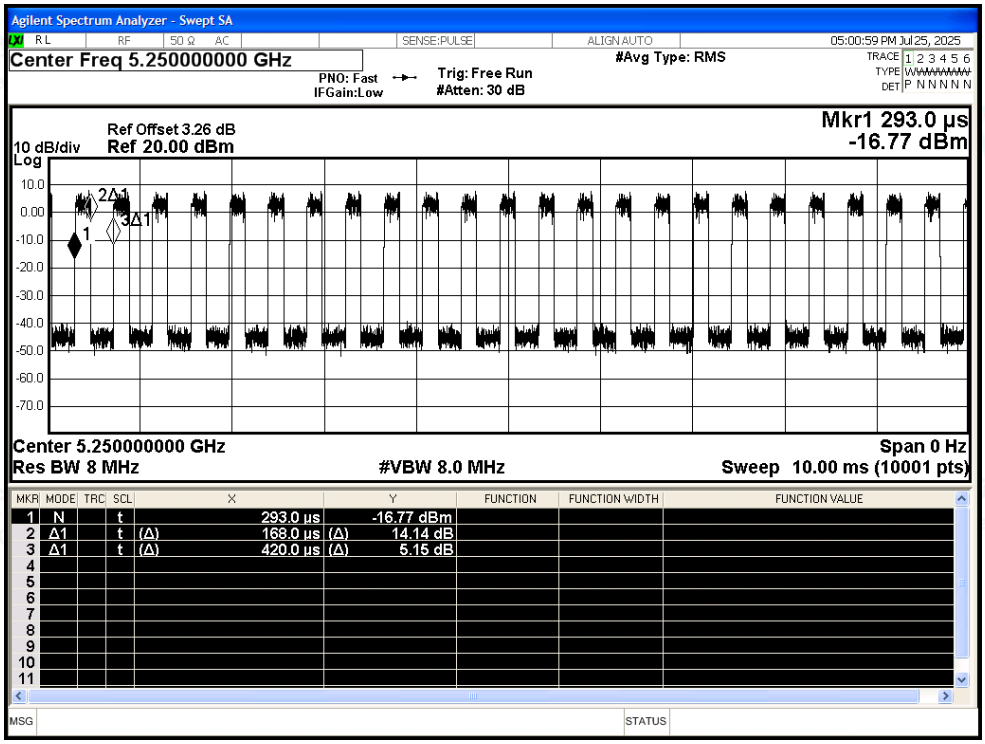
Duty Cycle NVNT be40 5230MHz Ant1



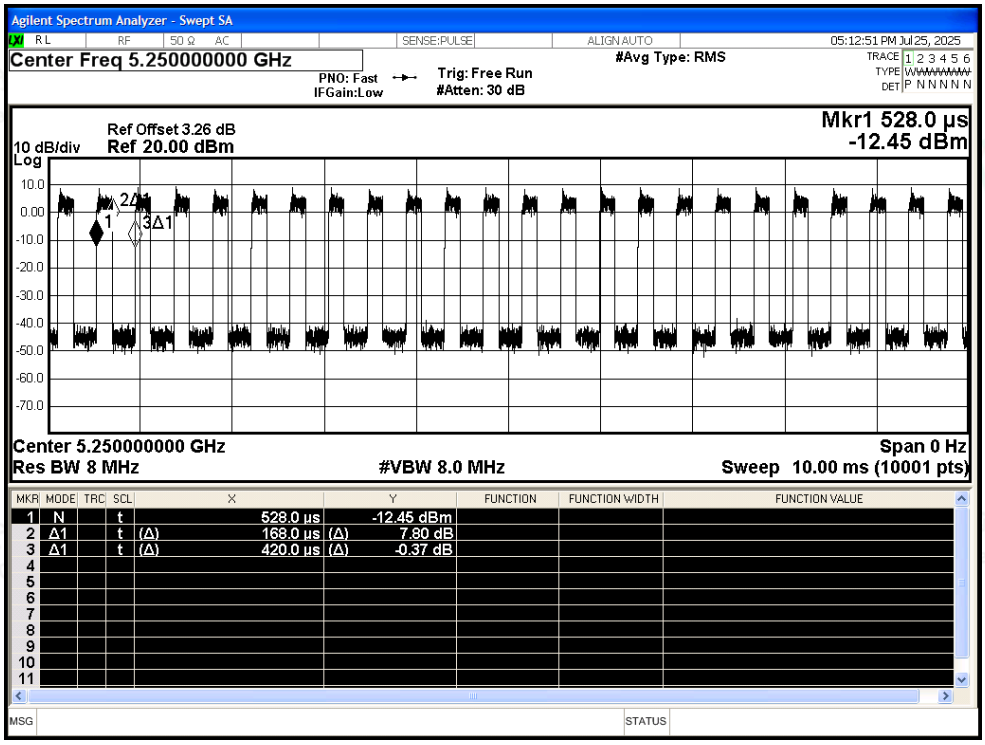
Duty Cycle NVNT be80 5210MHz Ant1



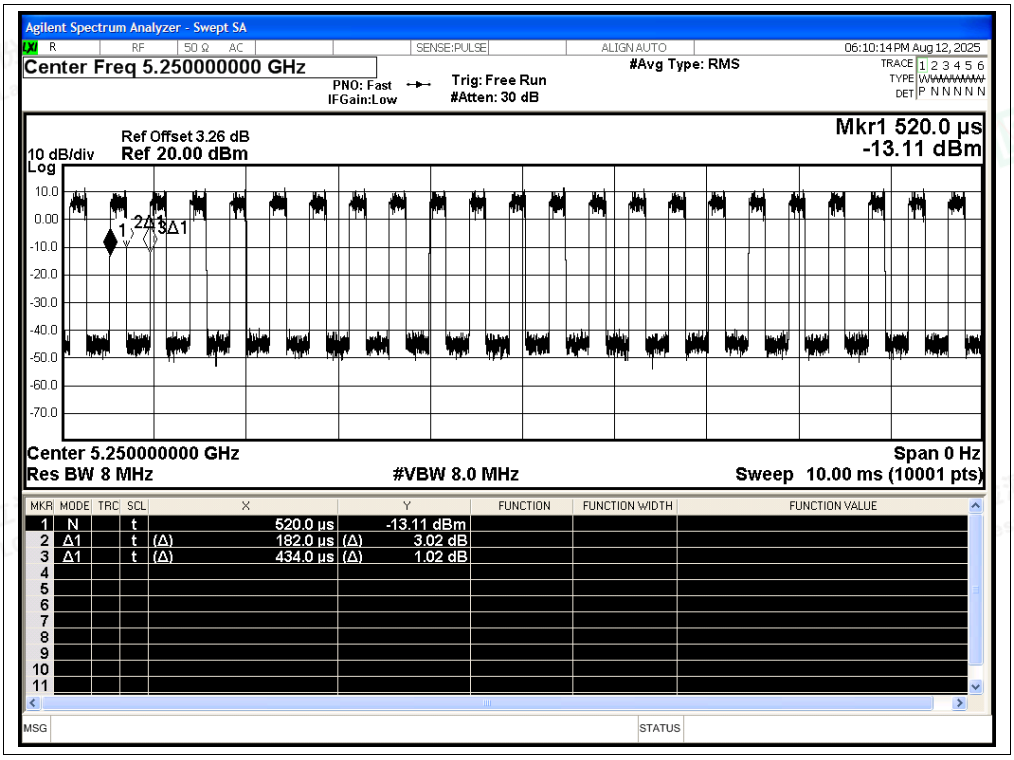
Duty Cycle NVNT ac160 5250MHz Ant1



Duty Cycle NVNT ax160 5250MHz Ant1



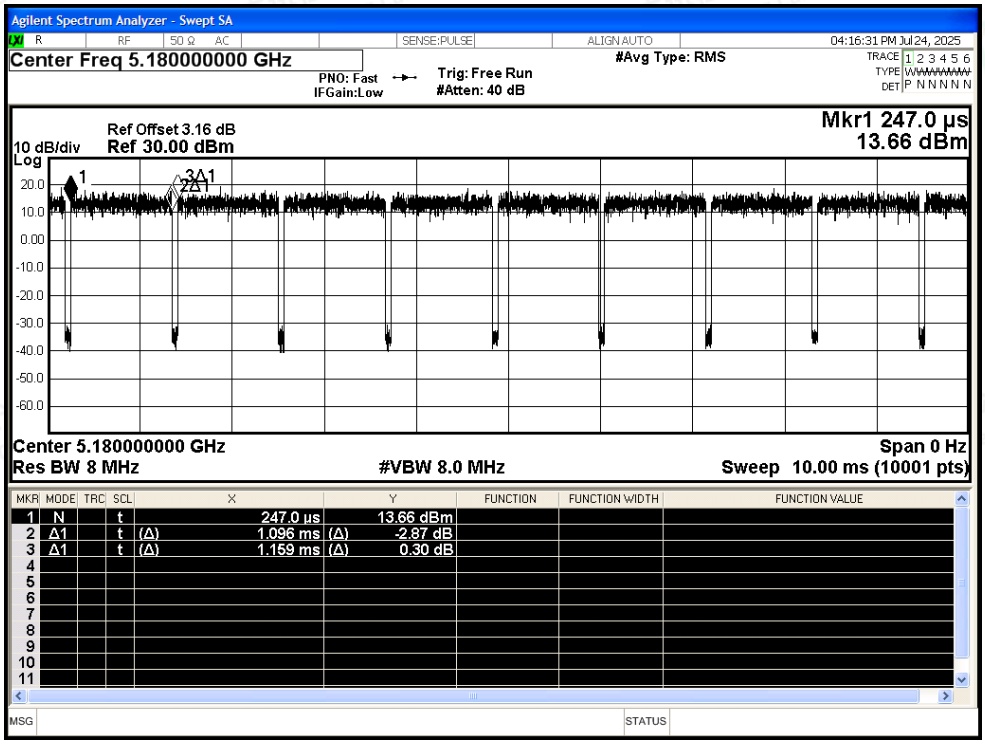
Duty Cycle NVNT be160 5250MHz Ant1


Agilent Spectrum Analyzer - Swept SA
Center Freq 5.250000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
06:10:14 PM Aug 12, 2025
Ref Offset 3.26 dB
10 dB/div
Log
Ref 20.00 dBm
Mkr1 520.0 µs
-13.11 dBm
Center 5.250000000 GHz
Res BW 8 MHz
#VBW 8.0 MHz
Span 0 Hz
Sweep 10.00 ms (10001 pts)
1 N 1 t 520.0 µs -13.11 dBm
2 Δ1 1 t (Δ) 182.0 µs (Δ) 3.02 dB
3 Δ1 1 t (Δ) 434.0 µs (Δ) 1.02 dB

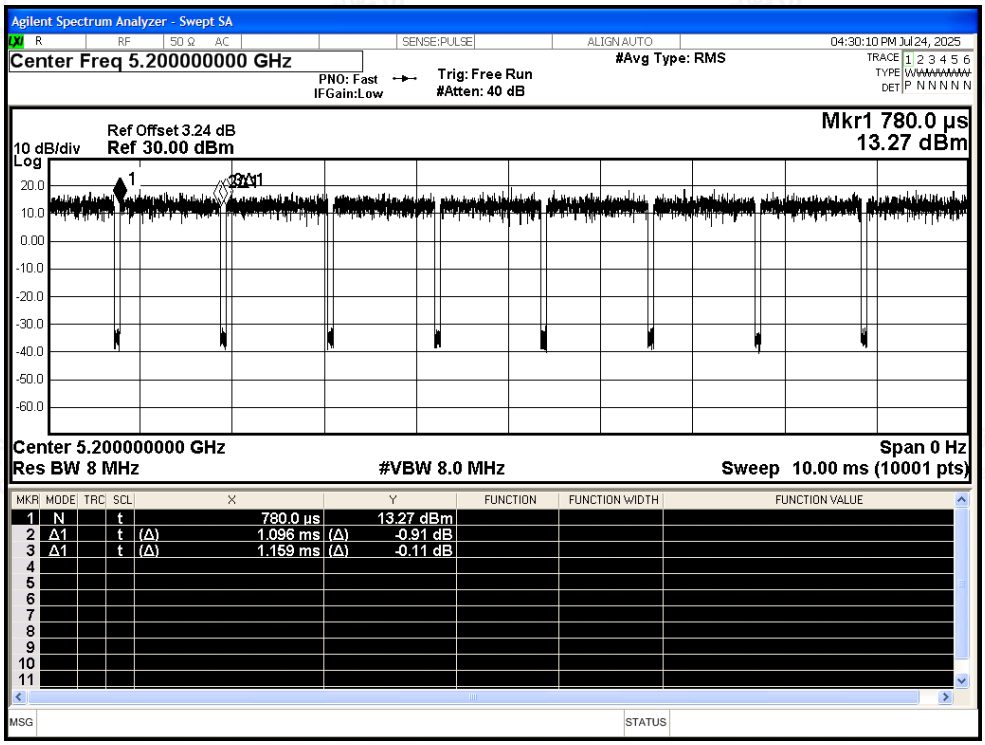
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant2	94.56	0.24	0.91
NVNT	a	5200	Ant2	94.56	0.24	0.91
NVNT	a	5240	Ant2	94.65	0.24	0.91
NVNT	n20	5180	Ant2	97.33	0.12	0.44
NVNT	n20	5200	Ant2	97.29	0.12	0.44
NVNT	n20	5240	Ant2	97.29	0.12	0.44
NVNT	n40	5190	Ant2	94.71	0.24	0.9
NVNT	n40	5230	Ant2	94.71	0.24	0.9
NVNT	ac20	5180	Ant2	97.34	0.12	0.44
NVNT	ac20	5200	Ant2	97.34	0.12	0.44
NVNT	ac20	5240	Ant2	97.34	0.12	0.44
NVNT	ac40	5190	Ant2	94.72	0.24	0.9
NVNT	ac40	5230	Ant2	94.73	0.24	0.9
NVNT	ac80	5210	Ant2	89.65	0.47	1.86
NVNT	ax20	5180	Ant2	97.34	0.12	0.44
NVNT	ax20	5200	Ant2	97.34	0.12	0.44
NVNT	ax20	5240	Ant2	97.34	0.12	0.44
NVNT	ax40	5190	Ant2	94.72	0.24	0.9
NVNT	ax40	5230	Ant2	94.72	0.24	0.9
NVNT	ax80	5210	Ant2	89.65	0.47	1.86
NVNT	be20	5180	Ant2	97.34	0.12	0.44
NVNT	be20	5200	Ant2	97.34	0.12	0.44
NVNT	be20	5240	Ant2	97.34	0.12	0.44
NVNT	be40	5190	Ant2	94.72	0.24	0.9
NVNT	be40	5230	Ant2	94.72	0.24	0.9
NVNT	be80	5210	Ant2	89.65	0.47	1.86
NVNT	ac160	5250	Ant2	39.86	3.99	5.99
NVNT	ax160	5250	Ant2	40	3.98	5.95
NVNT	be160	5250	Ant2	41.94	3.77	5.49

Test Graphs

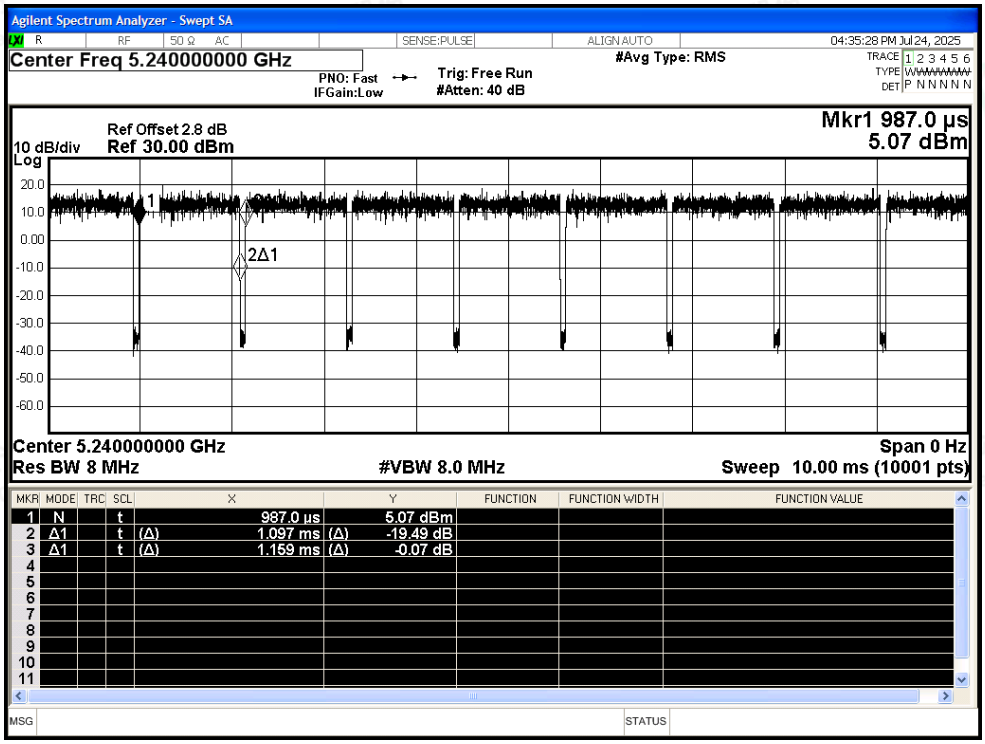
Duty Cycle NVNT a 5180MHz Ant2



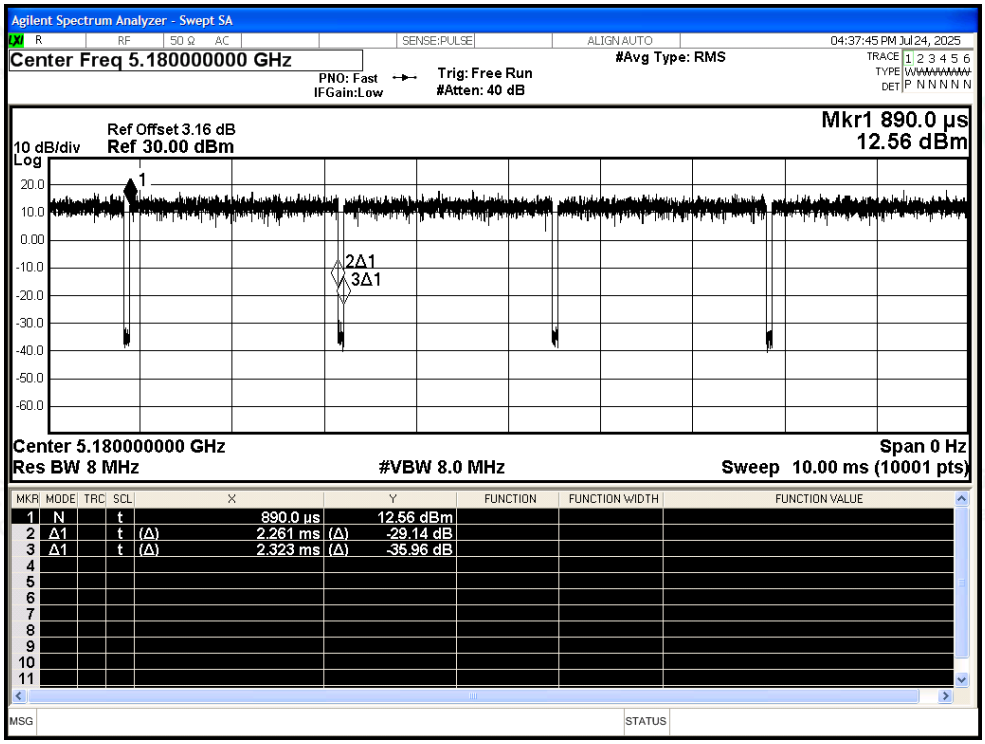
Duty Cycle NVNT a 5200MHz Ant2



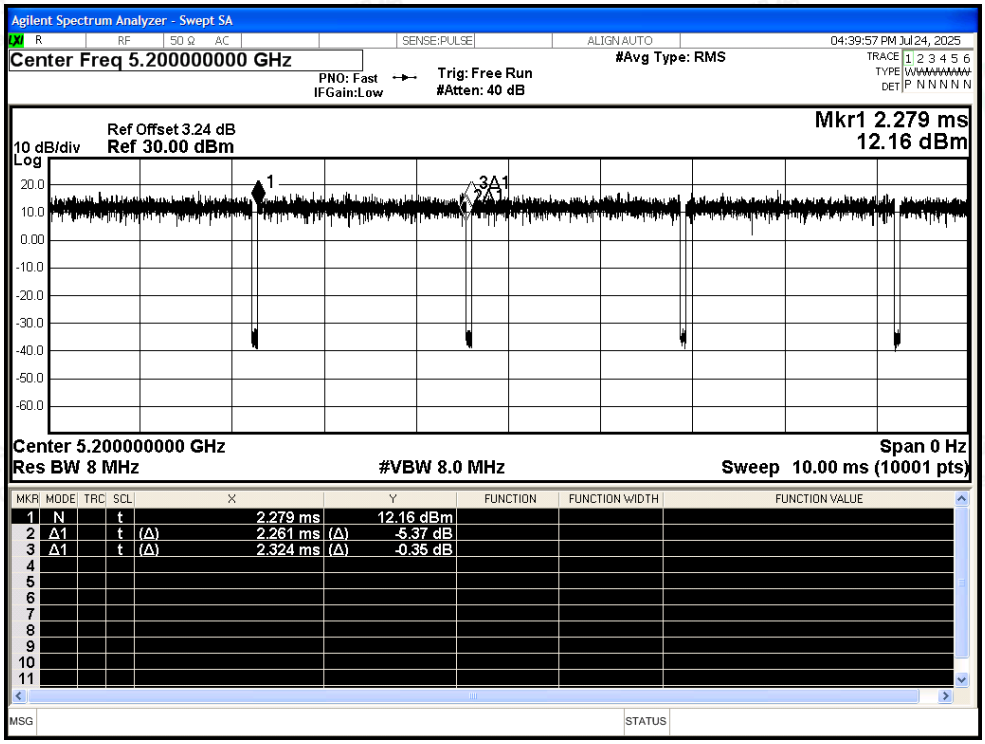
Duty Cycle NVNT a 5240MHz Ant2



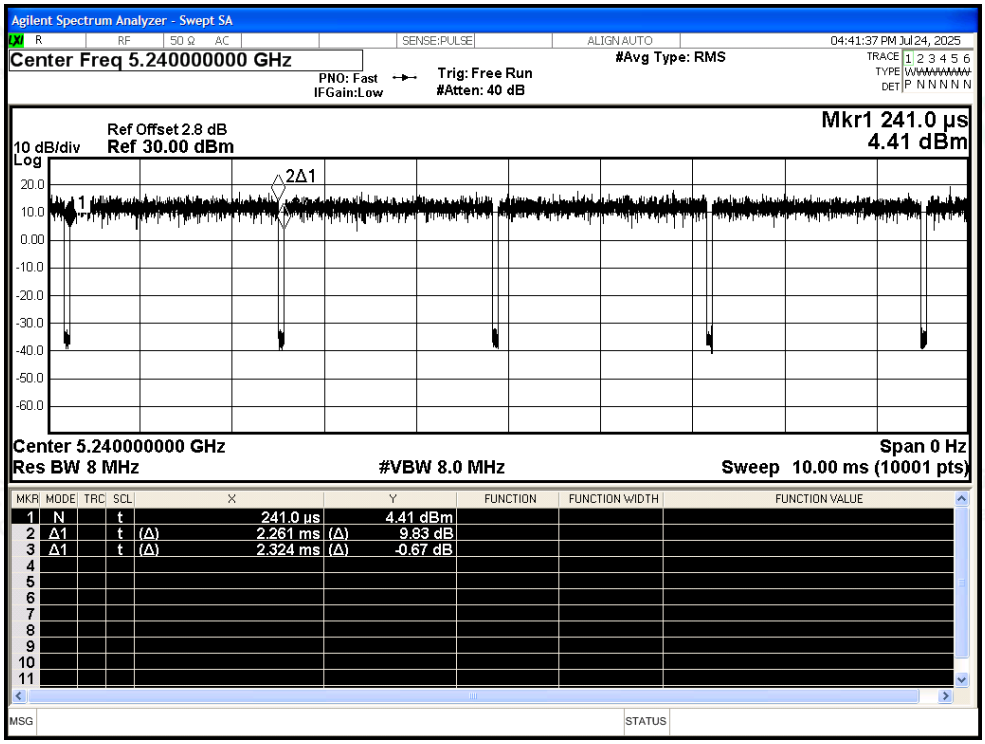
Duty Cycle NVNT n20 5180MHz Ant2



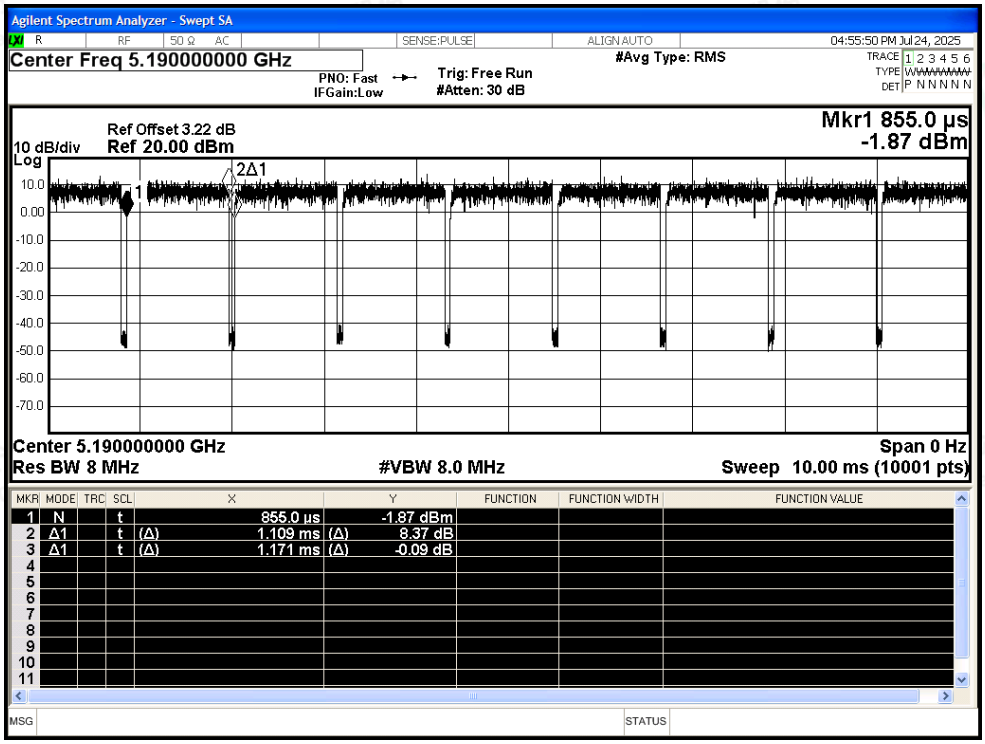
Duty Cycle NVNT n20 5200MHz Ant2



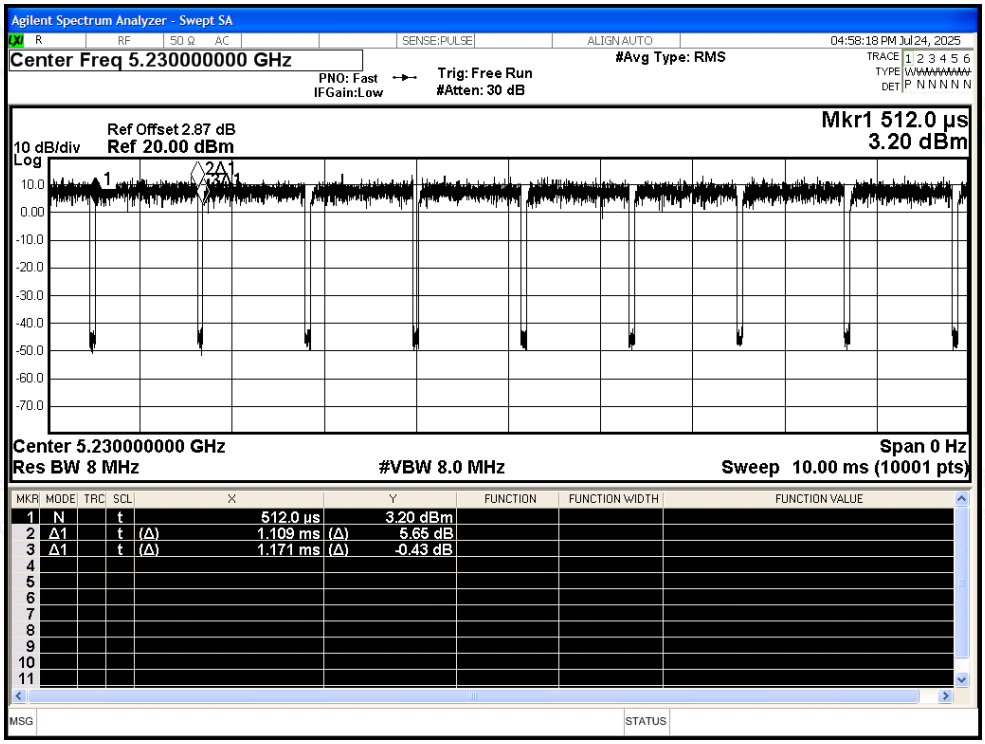
Duty Cycle NVNT n20 5240MHz Ant2



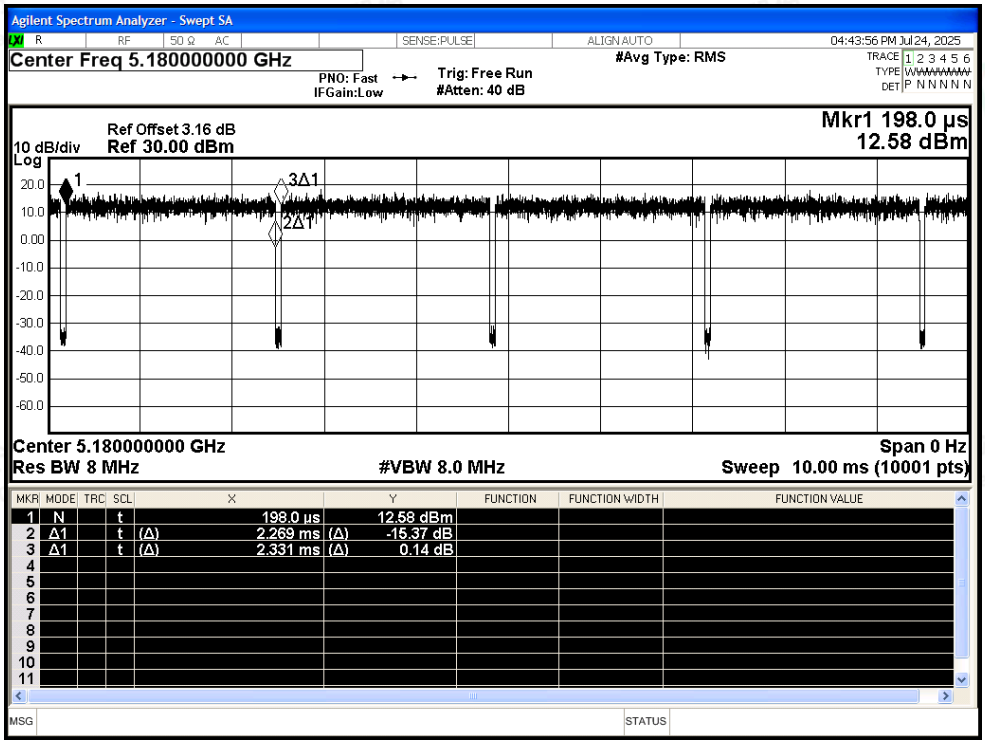
Duty Cycle NVNT n40 5190MHz Ant2



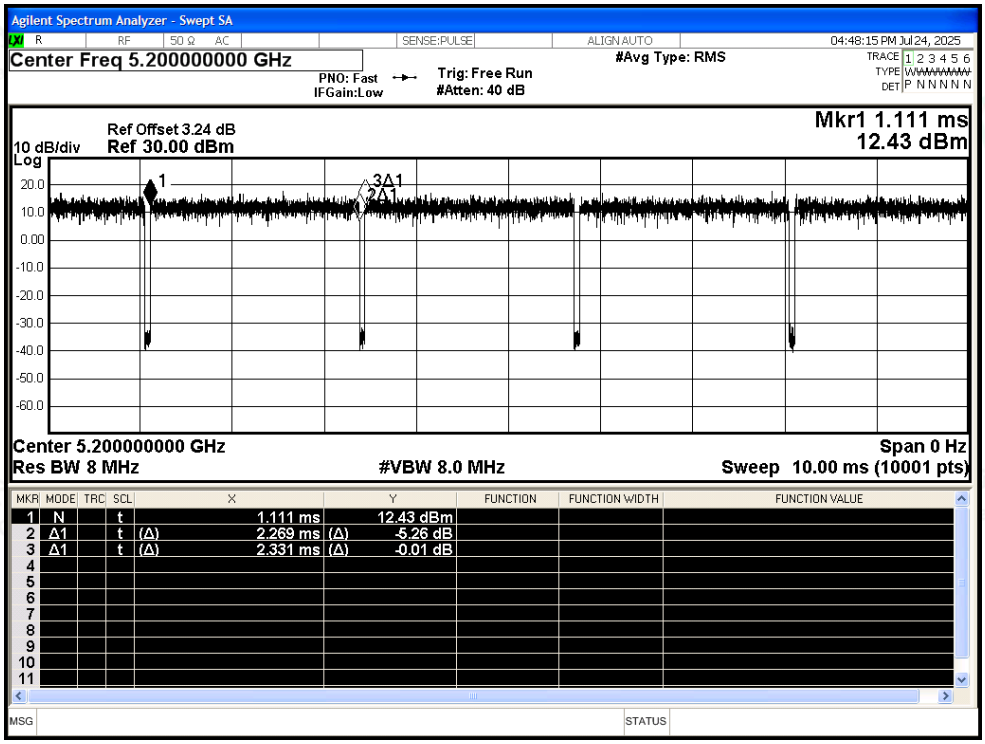
Duty Cycle NVNT n40 5230MHz Ant2



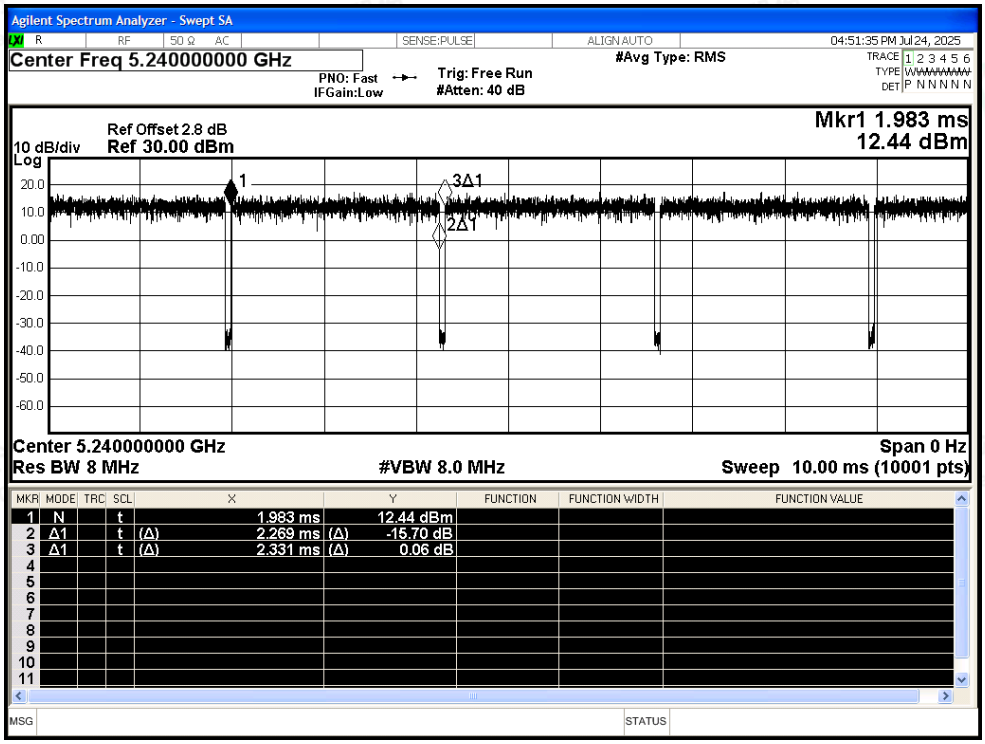
Duty Cycle NVNT ac20 5180MHz Ant2



Duty Cycle NVNT ac20 5200MHz Ant2



Duty Cycle NVNT ac20 5240MHz Ant2



Duty Cycle NVNT ac40 5190MHz Ant2