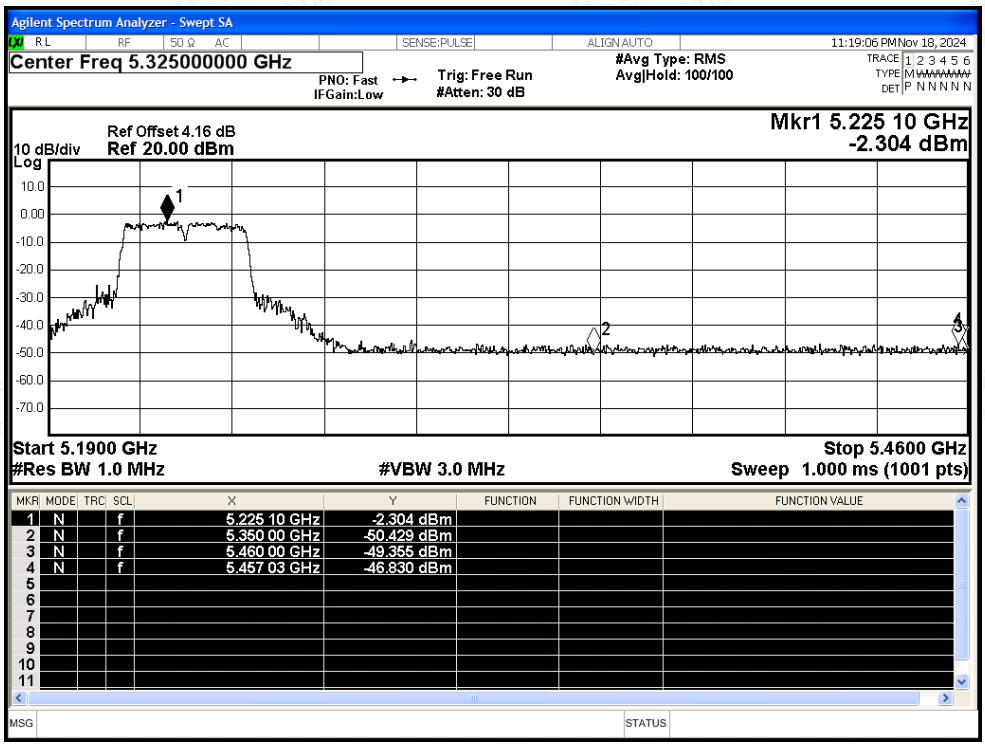
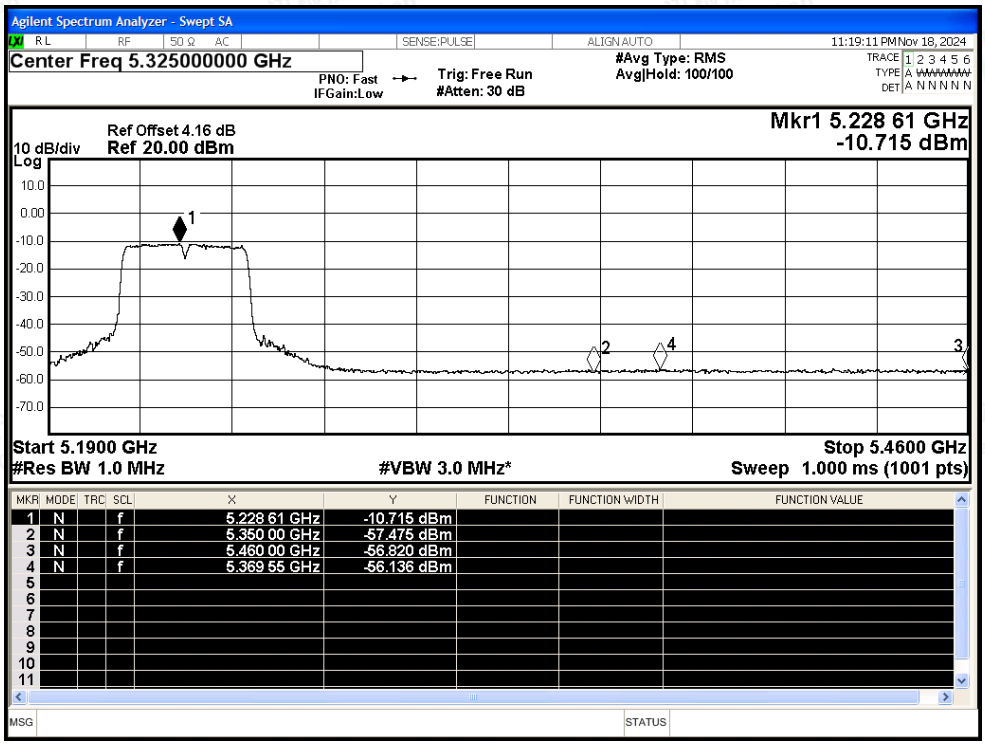
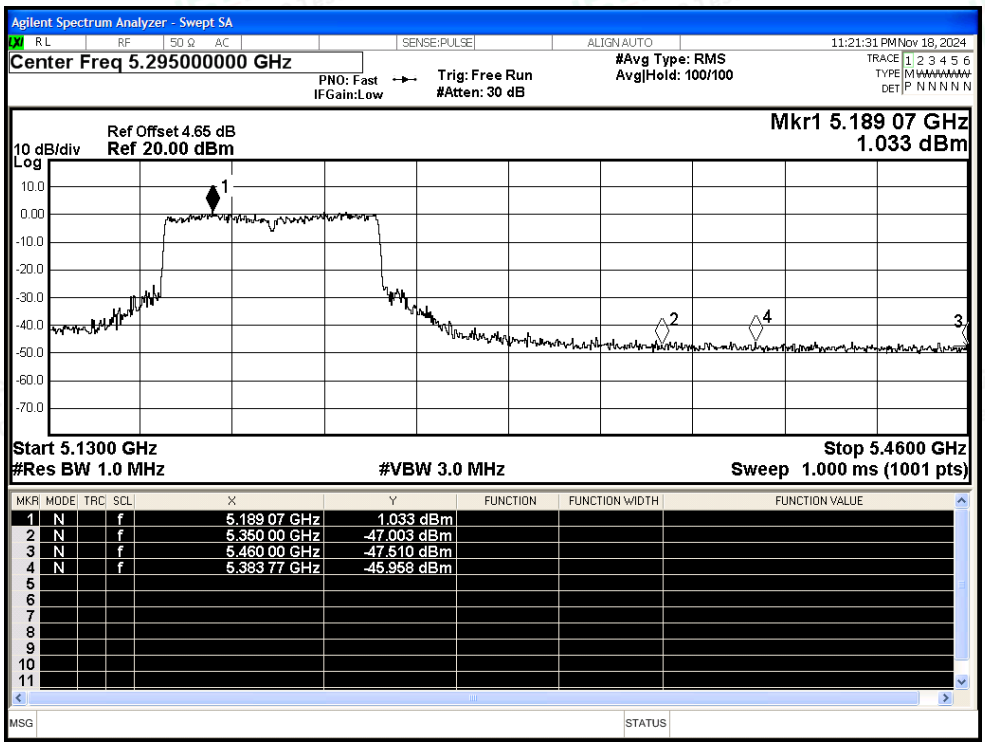
Restrict Band NVNT ac40 5230MHz Ant3 Peak



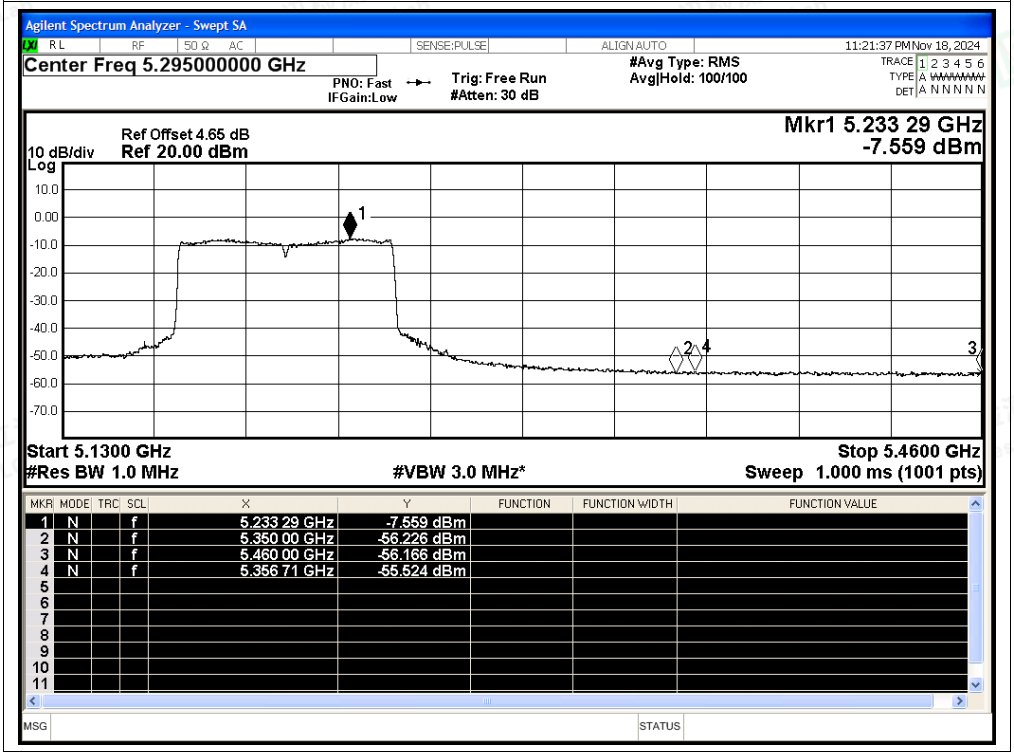
Restrict Band NVNT ac40 5230MHz Ant3 Average



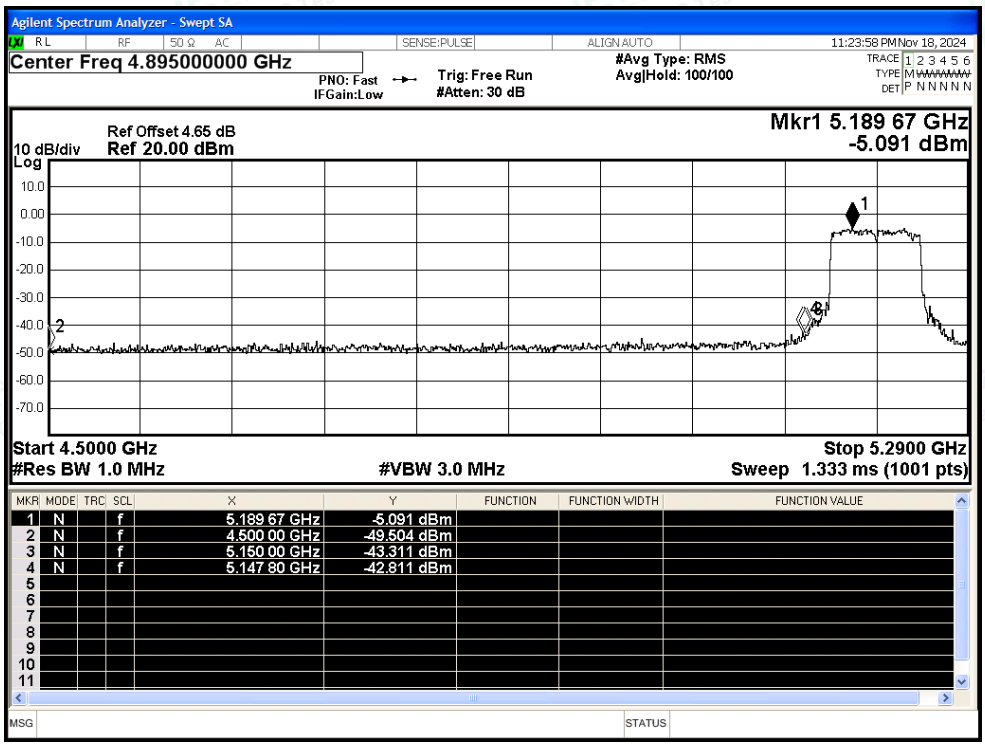
Restrict Band NVNT ac80 5210MHz Ant3 Peak



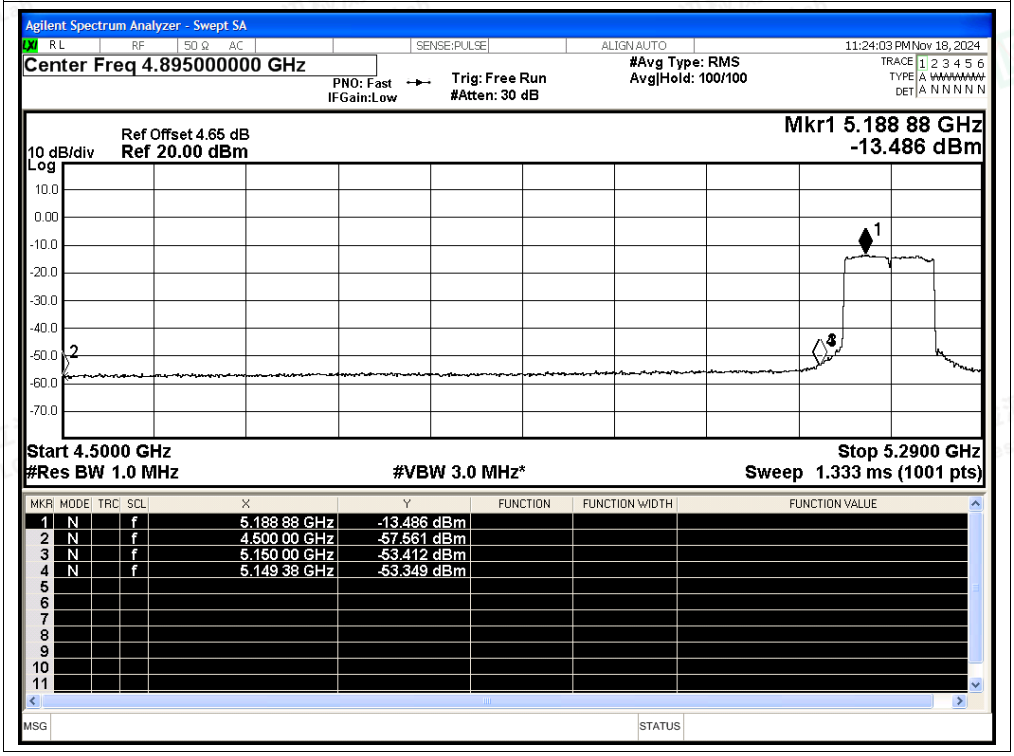
Restrict Band NVNT ac80 5210MHz Ant3 Average



Restrict Band NVNT ac80 5210MHz Ant3 Peak



Restrict Band NVNT ac80 5210MHz Ant3 Average

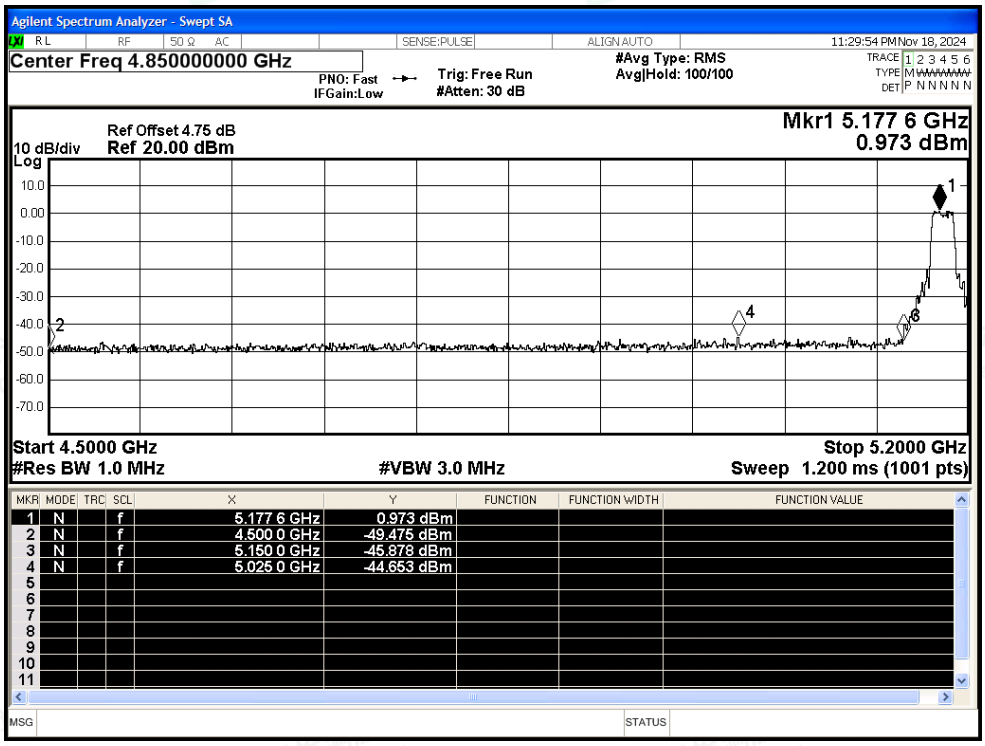


Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor (dB)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	a	5180	Ant4	4500	-49.48	3.96	-	49.71	Peak	68.2	Pass
NVNT	a	5180	Ant4	4500	-56.78	3.96	0.24	42.65	Average	54	Pass
NVNT	a	5180	Ant4	5025	-44.65	3.96	-	54.54	Peak	68.2	Pass
NVNT	a	5180	Ant4	5148.9	-54.42	3.96	0.24	45.01	Average	54	Pass
NVNT	a	5180	Ant4	5150	-45.88	3.96	-	53.31	Peak	68.2	Pass
NVNT	a	5180	Ant4	5150	-54.93	3.96	0.24	44.50	Average	54	Pass
NVNT	a	5240	Ant4	5350	-49.14	3.96	-	50.05	Peak	68.2	Pass
NVNT	a	5240	Ant4	5350	-57.18	3.96	0.24	42.25	Average	54	Pass
NVNT	a	5240	Ant4	5437.2	-46.2	3.96	-	52.99	Peak	68.2	Pass
NVNT	a	5240	Ant4	5452.8	-56.29	3.96	0.24	43.14	Average	54	Pass
NVNT	a	5240	Ant4	5460	-48.28	3.96	-	50.91	Peak	68.2	Pass
NVNT	a	5240	Ant4	5460	-57	3.96	0.24	42.43	Average	54	Pass
NVNT	n20	5180	Ant4	4500	-49.4	3.96	-	49.79	Peak	68.2	Pass
NVNT	n20	5180	Ant4	4500	-56.59	3.96	0.12	42.72	Average	54	Pass
NVNT	n20	5180	Ant4	5149.6	-42.69	3.96	-	56.50	Peak	68.2	Pass
NVNT	n20	5180	Ant4	5148.9	-54.59	3.96	0.12	44.72	Average	54	Pass
NVNT	n20	5180	Ant4	5150	-42.03	3.96	-	57.16	Peak	68.2	Pass
NVNT	n20	5180	Ant4	5150	-54.53	3.96	0.12	44.78	Average	54	Pass
NVNT	n20	5240	Ant4	5350	-49.22	3.96	-	49.97	Peak	68.2	Pass
NVNT	n20	5240	Ant4	5350	-56.93	3.96	0.12	42.38	Average	54	Pass
NVNT	n20	5240	Ant4	5418.96	-46.37	3.96	-	52.82	Peak	68.2	Pass
NVNT	n20	5240	Ant4	5371.68	-56.32	3.96	0.12	42.99	Average	54	Pass
NVNT	n20	5240	Ant4	5460	-49.98	3.96	-	49.21	Peak	68.2	Pass
NVNT	n20	5240	Ant4	5460	-57.04	3.96	0.12	42.27	Average	54	Pass
NVNT	n40	5190	Ant4	4500	-49.51	3.96	-	49.68	Peak	68.2	Pass
NVNT	n40	5190	Ant4	4500	-57.4	3.96	0.24	42.03	Average	54	Pass
NVNT	n40	5190	Ant4	5149.7	-38.41	3.96	-	60.78	Peak	68.2	Pass
NVNT	n40	5190	Ant4	5149.7	-53.47	3.96	0.24	45.96	Average	54	Pass
NVNT	n40	5190	Ant4	5150	-38.41	3.96	-	60.78	Peak	68.2	Pass
NVNT	n40	5190	Ant4	5150	-53.47	3.96	0.24	45.96	Average	54	Pass
NVNT	n40	5230	Ant4	5350	-49.53	3.96	-	49.66	Peak	68.2	Pass
NVNT	n40	5230	Ant4	5350	-56.68	3.96	0.24	42.75	Average	54	Pass
NVNT	n40	5230	Ant4	5455.95	-46.65	3.96	-	52.54	Peak	68.2	Pass
NVNT	n40	5230	Ant4	5386.02	-56.16	3.96	0.24	43.27	Average	54	Pass
NVNT	n40	5230	Ant4	5460	-49.6	3.96	-	49.59	Peak	68.2	Pass
NVNT	n40	5230	Ant4	5460	-56.88	3.96	0.24	42.55	Average	54	Pass
NVNT	ac20	5180	Ant4	4500	-50.07	3.96	-	49.12	Peak	68.2	Pass

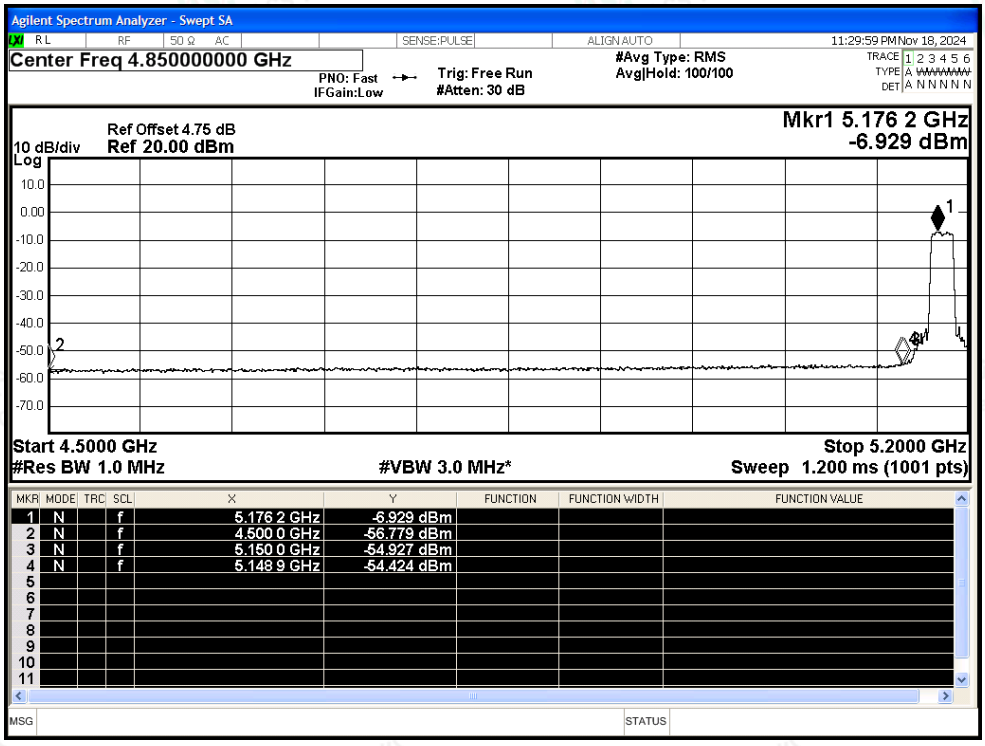
NVNT	ac20	5180	Ant4	4500	-56.57	3.96	0.12	42.74	Average	54	Pass
NVNT	ac20	5180	Ant4	5148.9	-40.19	3.96	-	59.00	Peak	68.2	Pass
NVNT	ac20	5180	Ant4	5149.6	-53.48	3.96	0.12	45.83	Average	54	Pass
NVNT	ac20	5180	Ant4	5150	-44.57	3.96	-	54.62	Peak	68.2	Pass
NVNT	ac20	5180	Ant4	5150	-53.69	3.96	0.12	45.62	Average	54	Pass
NVNT	ac20	5240	Ant4	5350	-49.6	3.96	-	49.59	Peak	68.2	Pass
NVNT	ac20	5240	Ant4	5350	-56.86	3.96	0.12	42.45	Average	54	Pass
NVNT	ac20	5240	Ant4	5365.44	-46.57	3.96	-	52.62	Peak	68.2	Pass
NVNT	ac20	5240	Ant4	5375.52	-56.29	3.96	0.12	43.02	Average	54	Pass
NVNT	ac20	5240	Ant4	5460	-47.75	3.96	-	51.44	Peak	68.2	Pass
NVNT	ac20	5240	Ant4	5460	-57.11	3.96	0.12	42.20	Average	54	Pass
NVNT	ac40	5190	Ant4	4500	-49.78	3.96	-	49.41	Peak	68.2	Pass
NVNT	ac40	5190	Ant4	4500	-57.22	3.96	0.24	42.21	Average	54	Pass
NVNT	ac40	5190	Ant4	5149.7	-42.15	3.96	-	57.04	Peak	68.2	Pass
NVNT	ac40	5190	Ant4	5148.24	-53.9	3.96	0.24	45.53	Average	54	Pass
NVNT	ac40	5190	Ant4	5150	-42.15	3.96	-	57.04	Peak	68.2	Pass
NVNT	ac40	5190	Ant4	5150	-54.1	3.96	0.24	45.33	Average	54	Pass
NVNT	ac40	5230	Ant4	5350	-49.49	3.96	-	49.70	Peak	68.2	Pass
NVNT	ac40	5230	Ant4	5350	-56.58	3.96	0.24	42.85	Average	54	Pass
NVNT	ac40	5230	Ant4	5426.25	-46.06	3.96	-	53.13	Peak	68.2	Pass
NVNT	ac40	5230	Ant4	5356.59	-56.18	3.96	0.24	43.25	Average	54	Pass
NVNT	ac40	5230	Ant4	5460	-49.71	3.96	-	49.48	Peak	68.2	Pass
NVNT	ac40	5230	Ant4	5460	-57.27	3.96	0.24	42.16	Average	54	Pass
NVNT	ac80	5210	Ant4	5350	-48.04	3.96	-	51.15	Peak	68.2	Pass
NVNT	ac80	5210	Ant4	5350	-56.16	3.96	0.25	43.28	Average	54	Pass
NVNT	ac80	5210	Ant4	5408.19	-45.34	3.96	-	53.85	Peak	68.2	Pass
NVNT	ac80	5210	Ant4	5405.55	-55.48	3.96	0.25	43.96	Average	54	Pass
NVNT	ac80	5210	Ant4	5460	-48.86	3.96	-	50.33	Peak	68.2	Pass
NVNT	ac80	5210	Ant4	5460	-56.98	3.96	0.25	42.46	Average	54	Pass
NVNT	ac80	5210	Ant4	4500	-49.75	3.96	-	49.44	Peak	68.2	Pass
NVNT	ac80	5210	Ant4	4500	-57.64	3.96	0.25	41.80	Average	54	Pass
NVNT	ac80	5210	Ant4	5149.38	-41.93	3.96	-	57.26	Peak	68.2	Pass
NVNT	ac80	5210	Ant4	5149.38	-53.38	3.96	0.25	46.06	Average	54	Pass
NVNT	ac80	5210	Ant4	5150	-42.63	3.96	-	56.56	Peak	68.2	Pass
NVNT	ac80	5210	Ant4	5150	-53.09	3.96	0.25	46.35	Average	54	Pass

Test Graphs

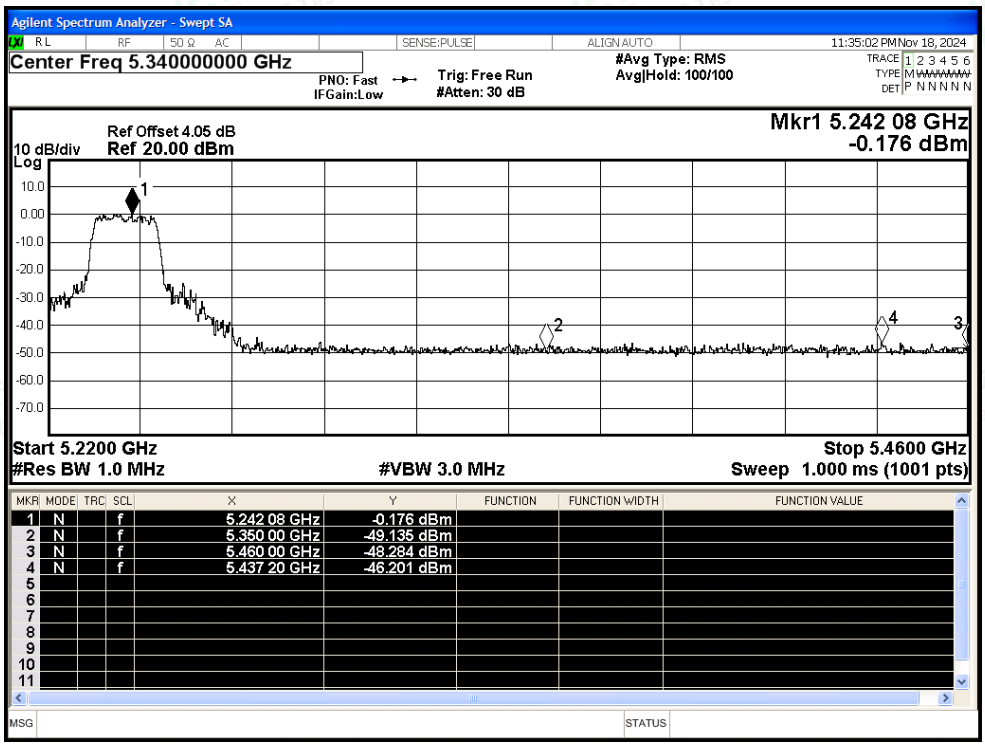
Restrict Band NVNT a 5180MHz Ant4 Peak



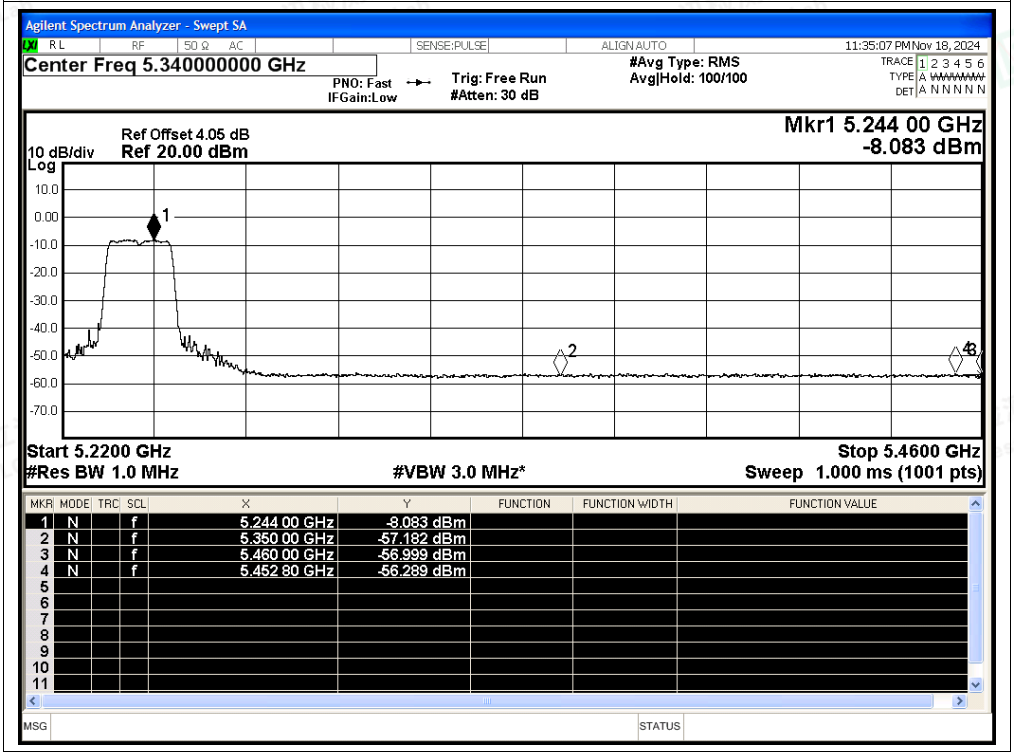
Restrict Band NVNT a 5180MHz Ant4 Average



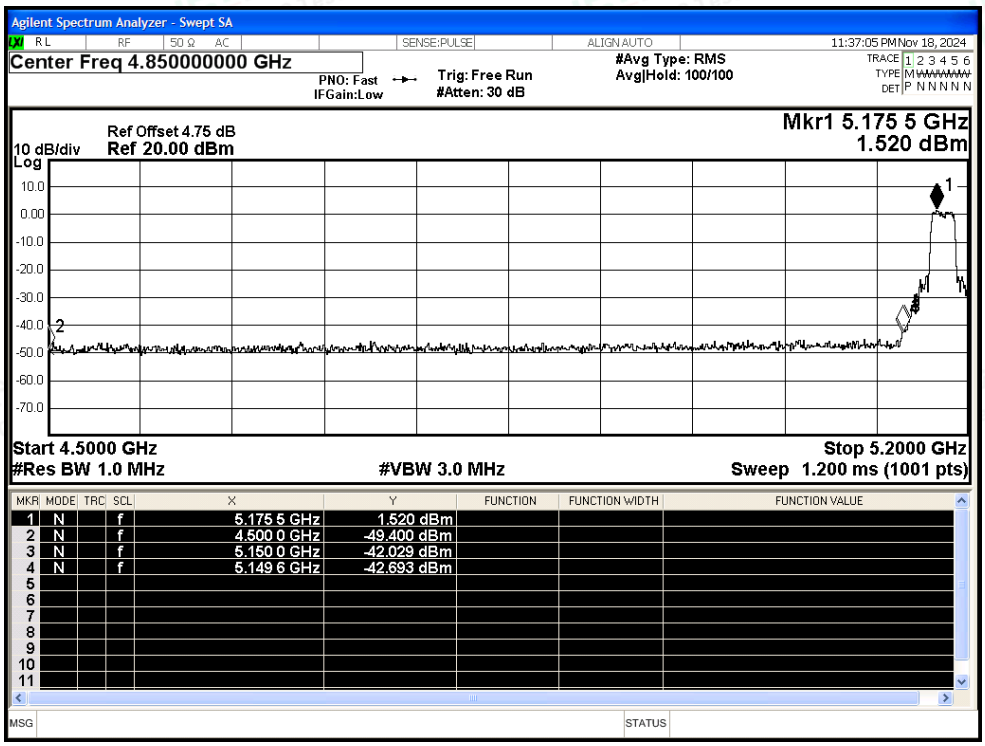
Restrict Band NVNT a 5240MHz Ant4 Peak



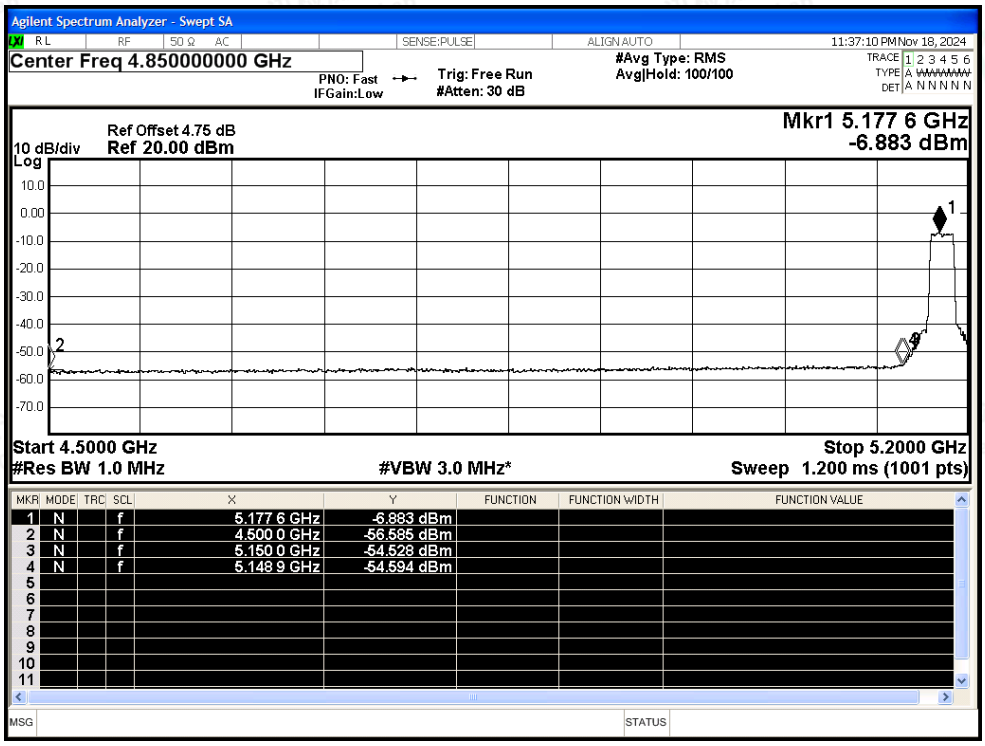
Restrict Band NVNT a 5240MHz Ant4 Average



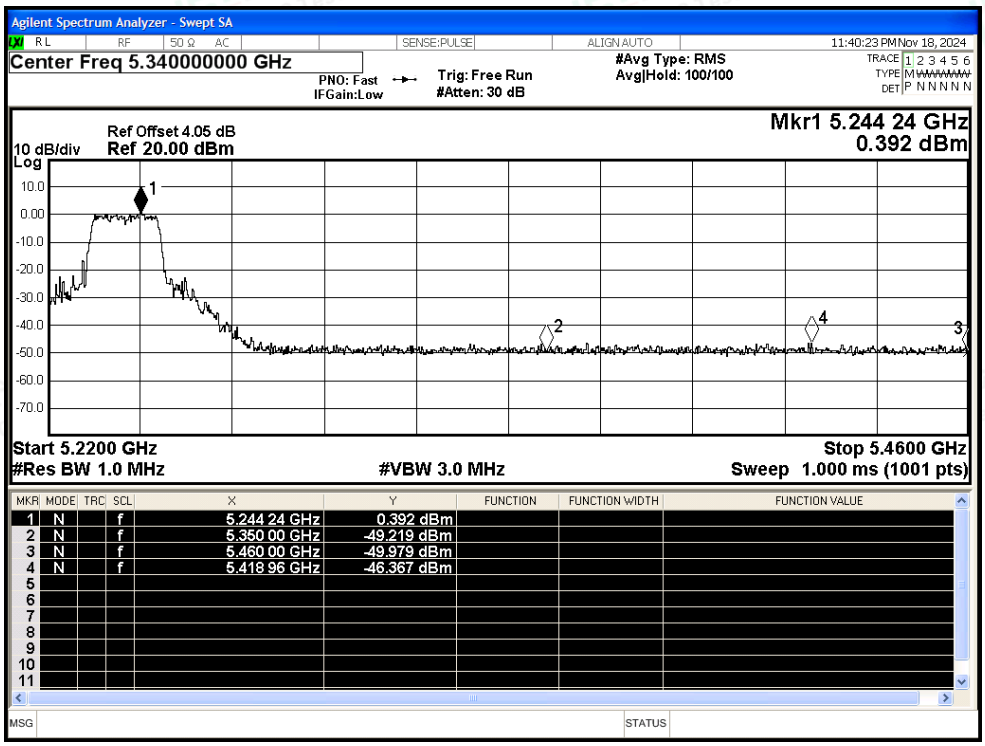
Restrict Band NVNT n20 5180MHz Ant4 Peak



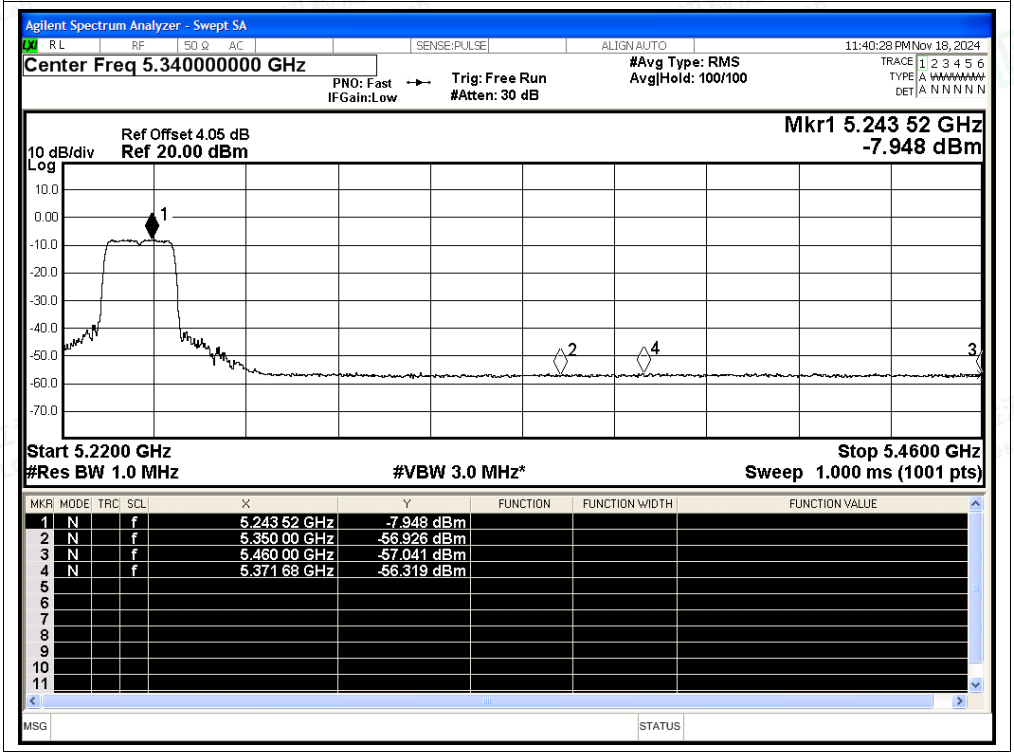
Restrict Band NVNT n20 5180MHz Ant4 Average



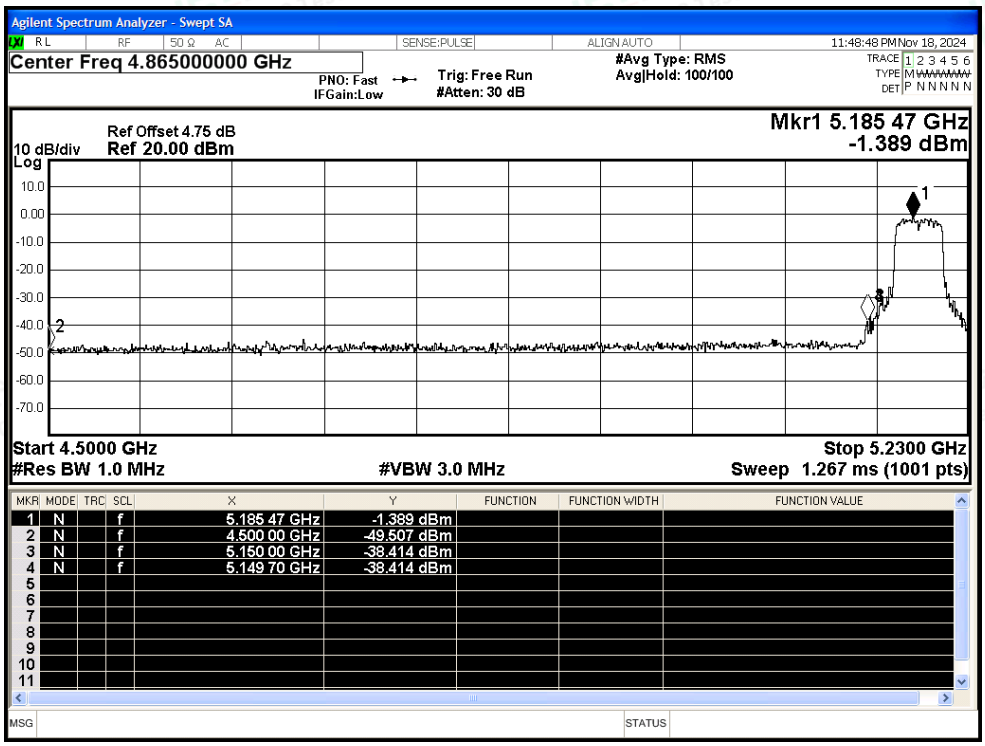
Restrict Band NVNT n20 5240MHz Ant4 Peak



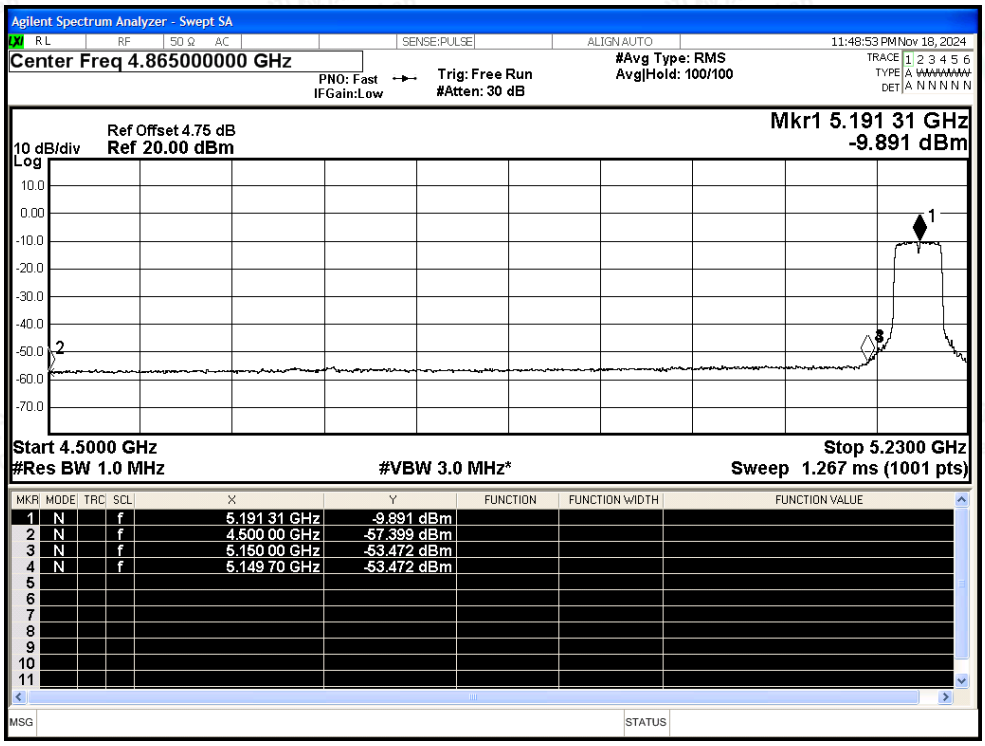
Restrict Band NVNT n20 5240MHz Ant4 Average



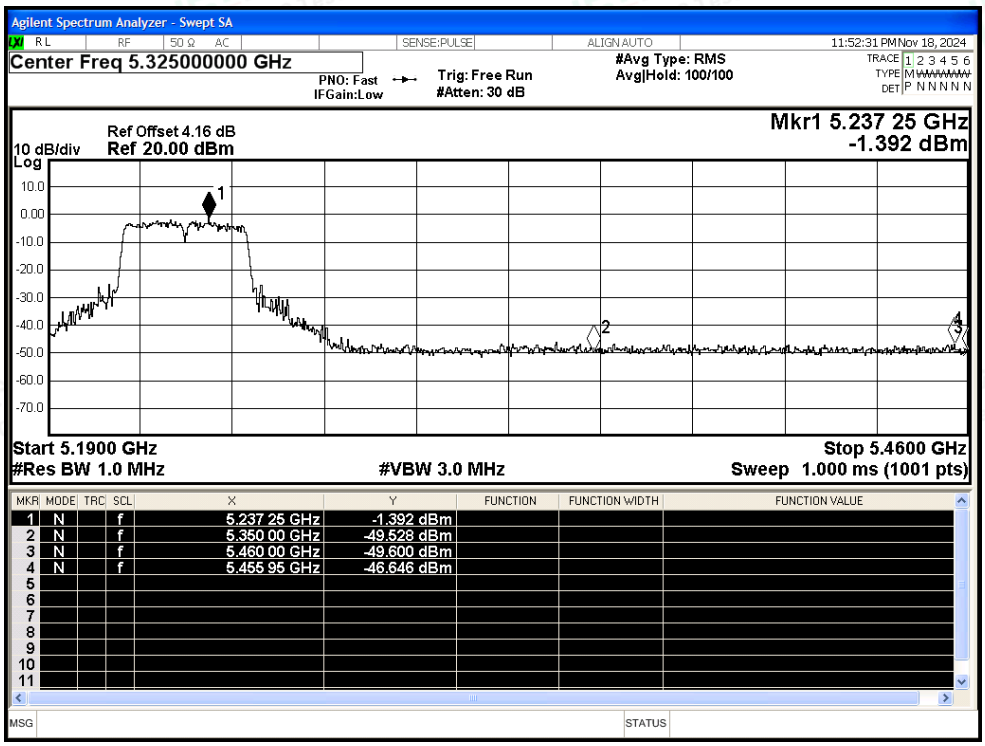
Restrict Band NVNT n40 5190MHz Ant4 Peak



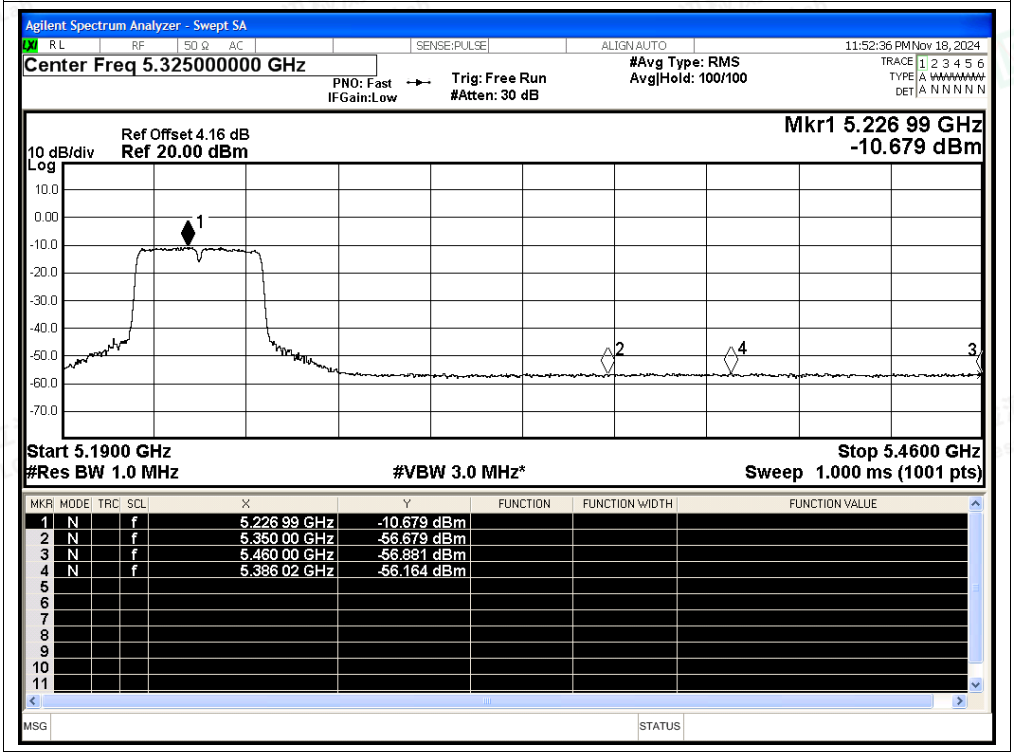
Restrict Band NVNT n40 5190MHz Ant4 Average



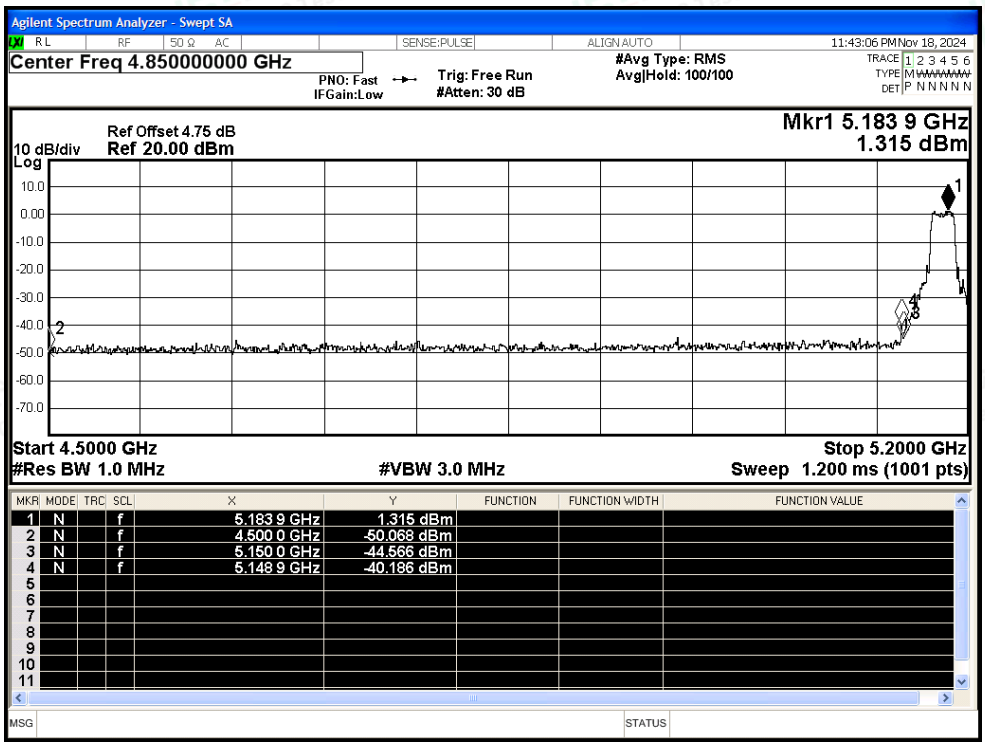
Restrict Band NVNT n40 5230MHz Ant4 Peak



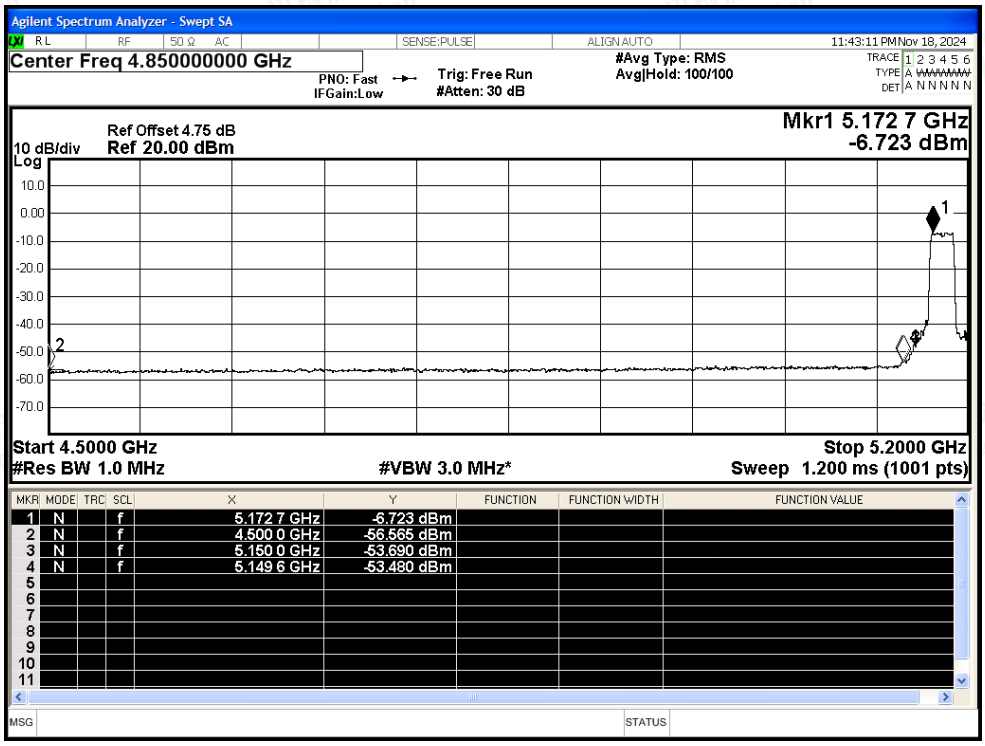
Restrict Band NVNT n40 5230MHz Ant4 Average



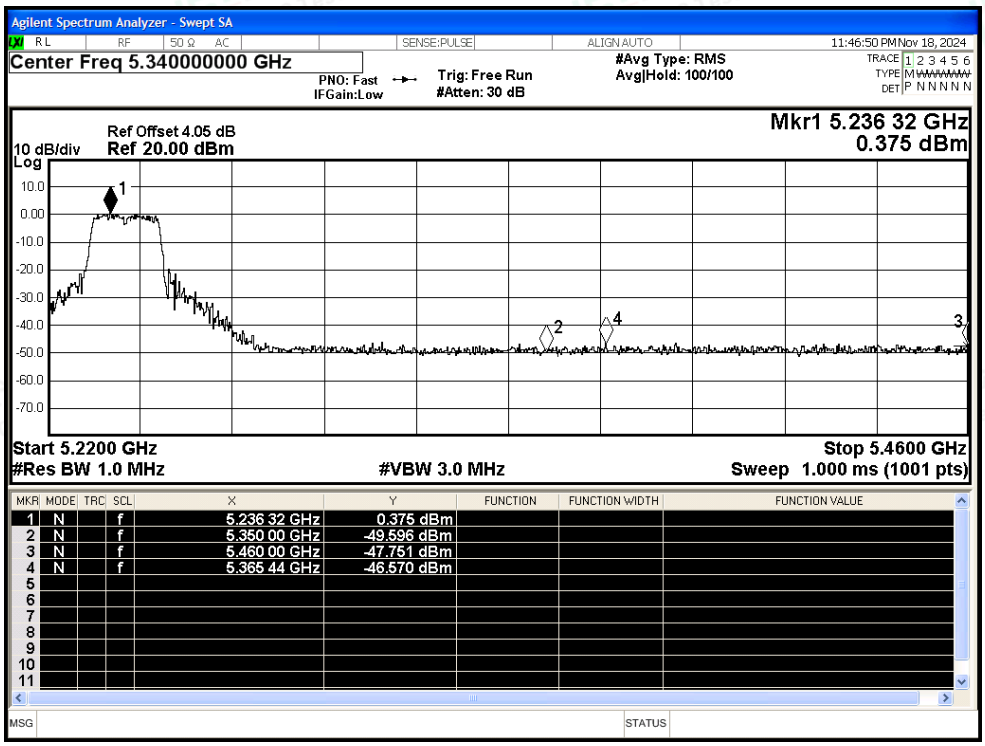
Restrict Band NVNT ac20 5180MHz Ant4 Peak



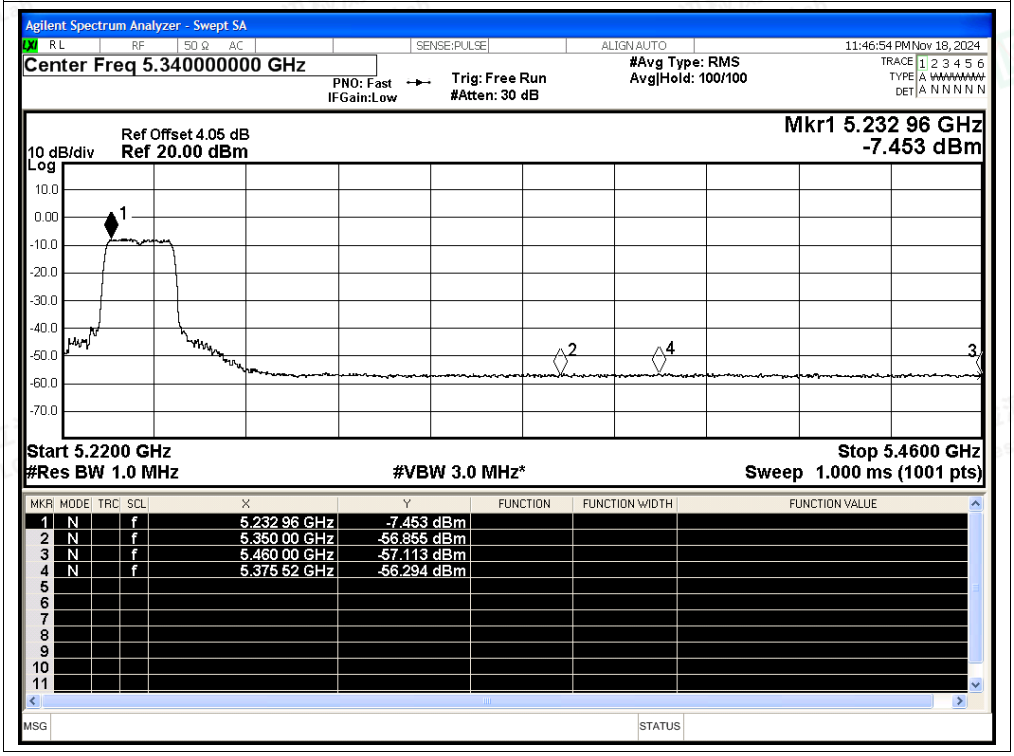
Restrict Band NVNT ac20 5180MHz Ant4 Average



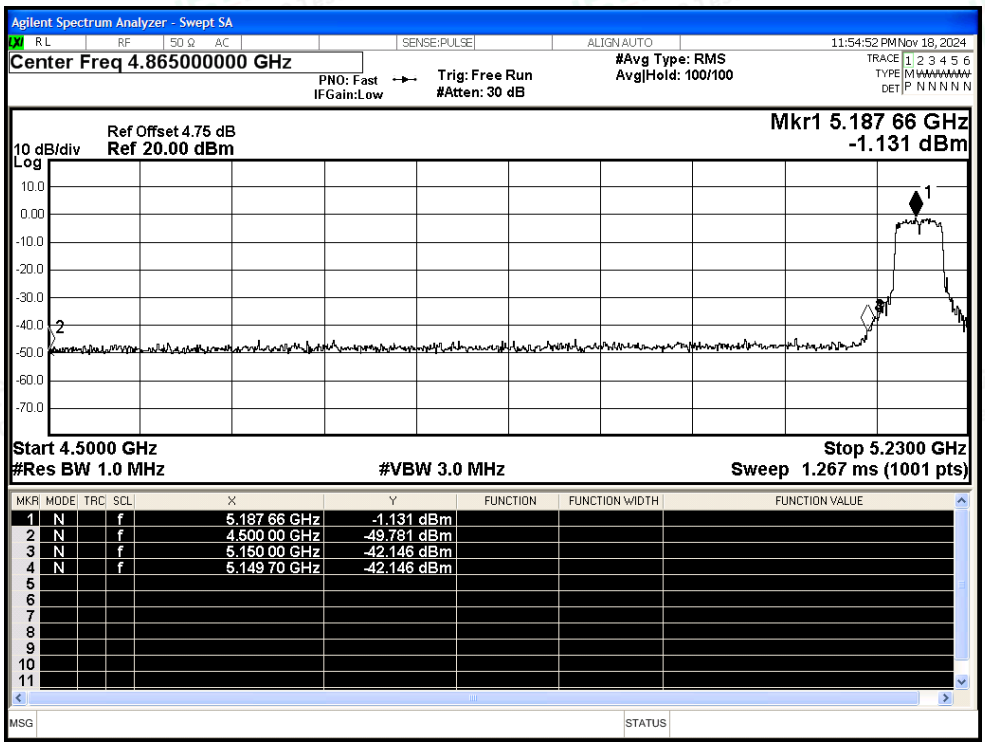
Restrict Band NVNT ac20 5240MHz Ant4 Peak



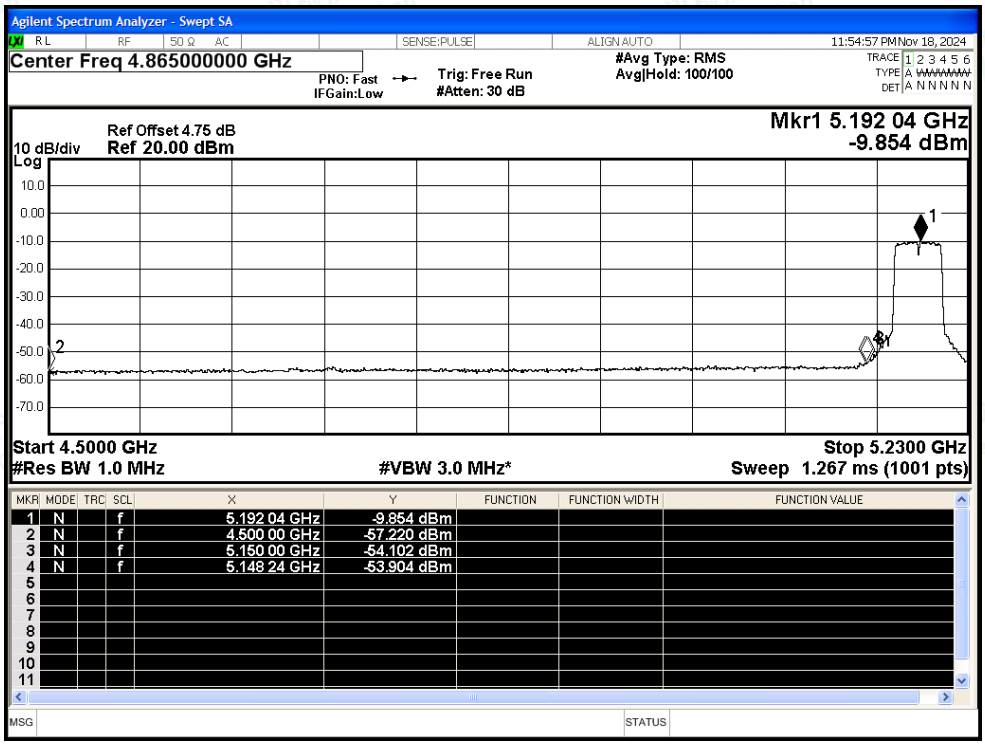
Restrict Band NVNT ac20 5240MHz Ant4 Average



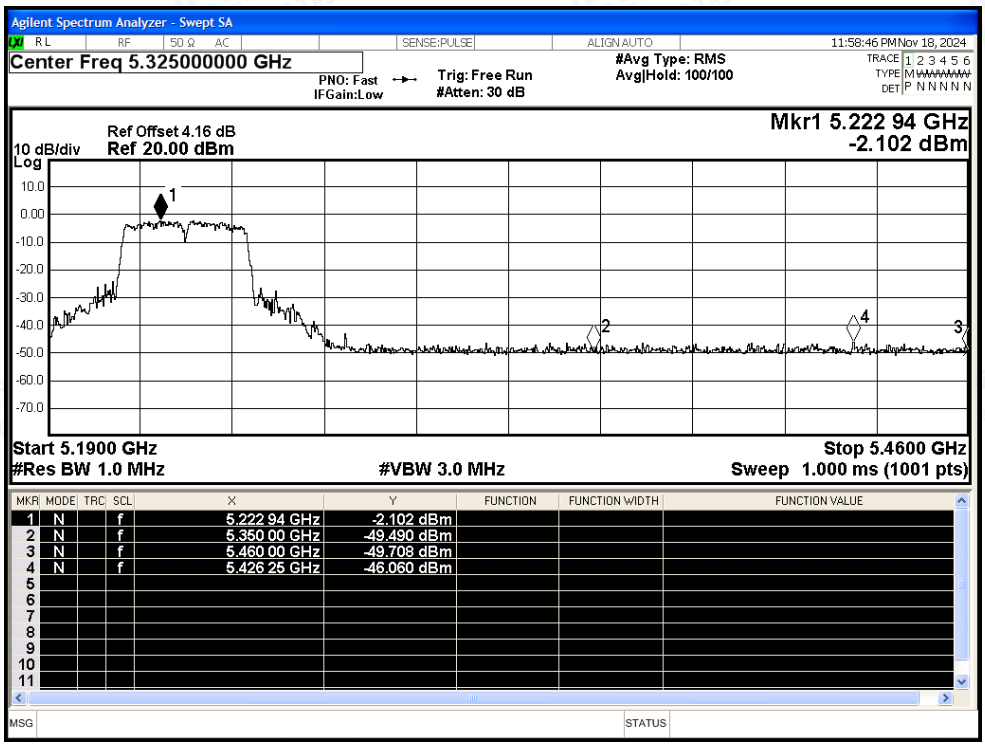
Restrict Band NVNT ac40 5190MHz Ant4 Peak



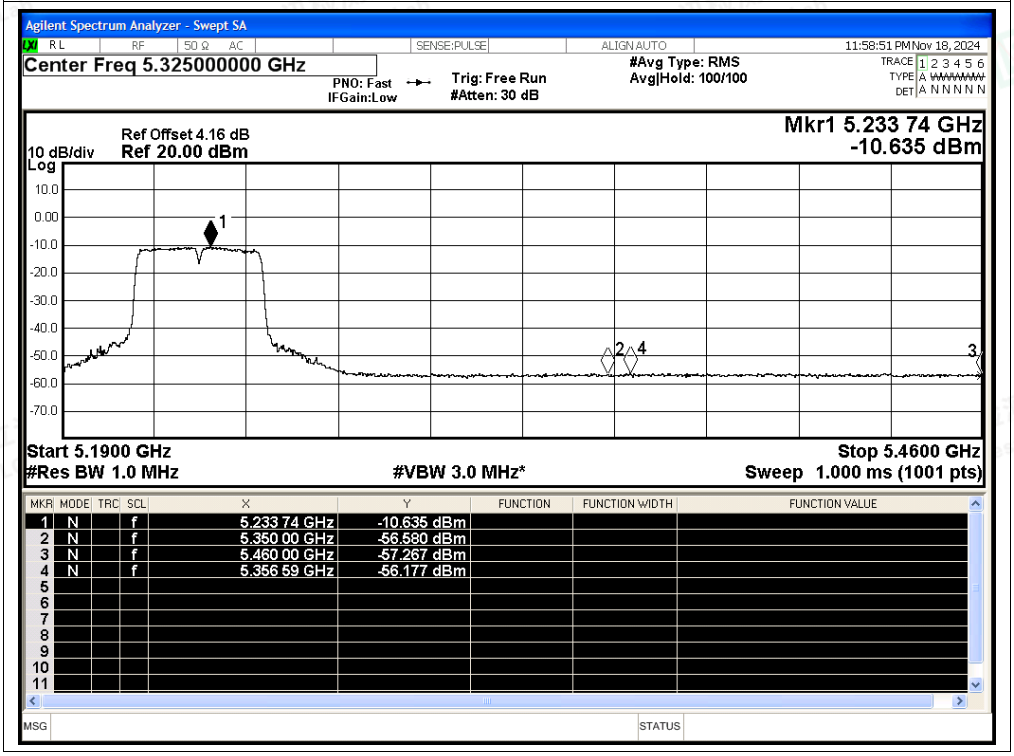
Restrict Band NVNT ac40 5190MHz Ant4 Average



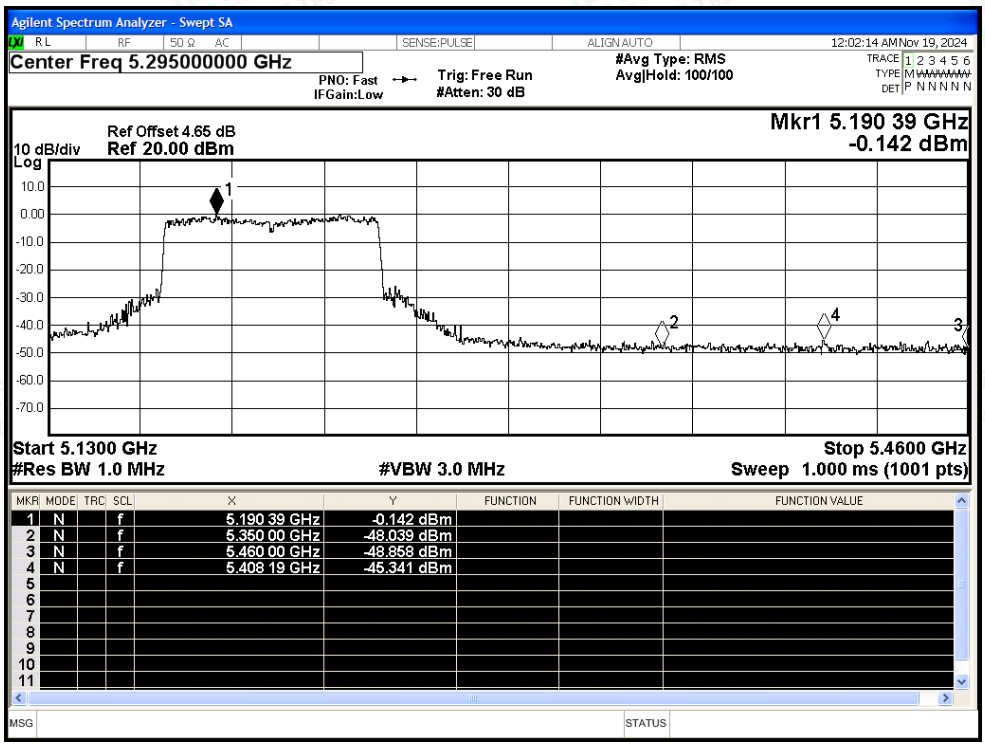
Restrict Band NVNT ac40 5230MHz Ant4 Peak



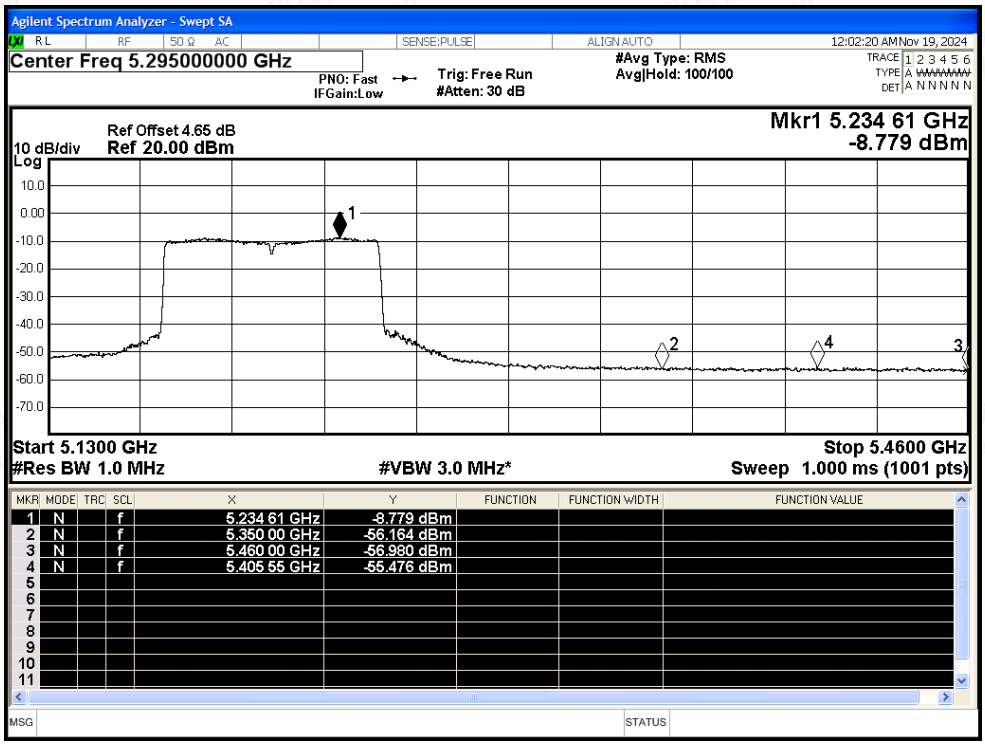
Restrict Band NVNT ac40 5230MHz Ant4 Average



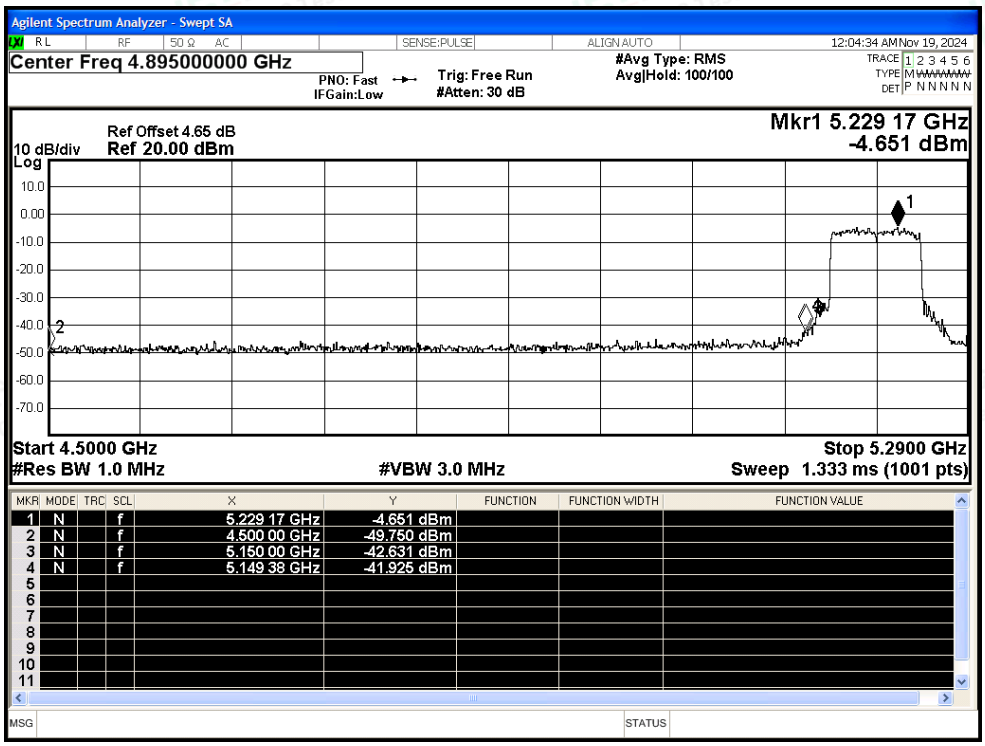
Restrict Band NVNT ac80 5210MHz Ant4 Peak



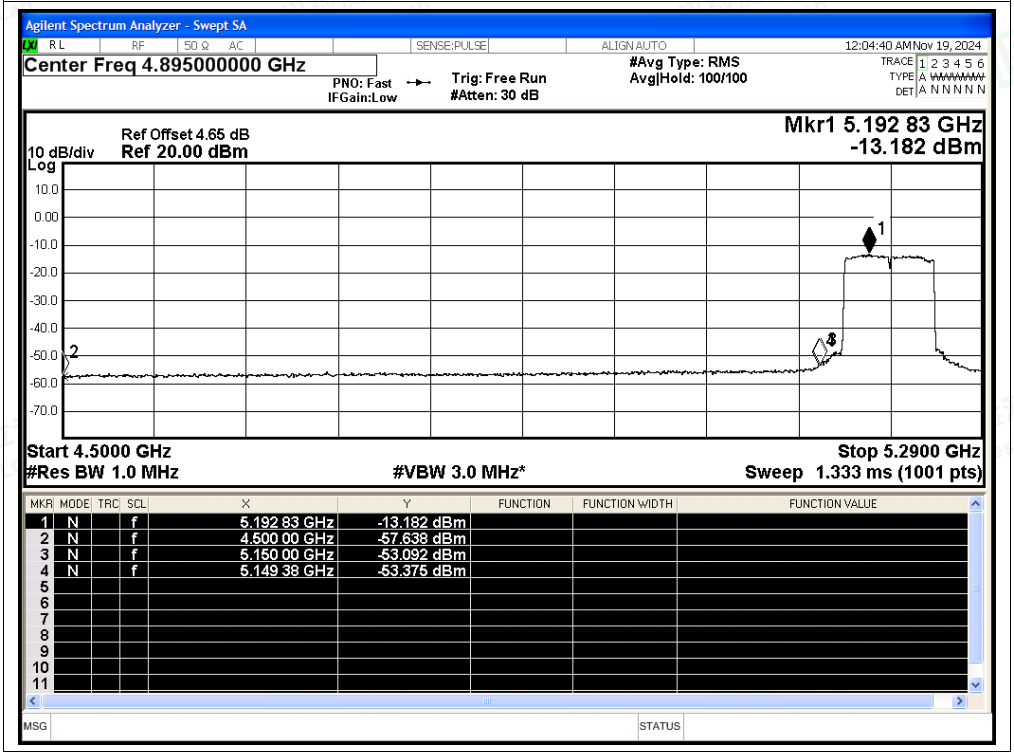
Restrict Band NVNT ac80 5210MHz Ant4 Average



Restrict Band NVNT ac80 5210MHz Ant4 Peak



Restrict Band NVNT ac80 5210MHz Ant4 Average



MIMO

Condition	Mode	Frequency (MHz)	Ant3 Power (dBm)	Ant4 Power (dBm)	Gain (dBi)	Total E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	n20	5180	-49.36	-49.4	6.98	55.84	Peak	68.2	Pass
NVNT	n20	5180	-57.78	-56.59	6.98	48.07	Average	54	Pass
NVNT	n20	5180	-44.56	-42.69	6.98	61.69	Peak	68.2	Pass
NVNT	n20	5180	-54.33	-54.59	6.98	50.76	Average	54	Pass
NVNT	n20	5180	-44.32	-42.03	6.98	62.19	Peak	68.2	Pass
NVNT	n20	5180	-53.47	-54.53	6.98	51.25	Average	54	Pass
NVNT	n20	5240	-49.02	-49.22	6.98	56.10	Peak	68.2	Pass
NVNT	n20	5240	-56.87	-56.93	6.98	48.32	Average	54	Pass
NVNT	n20	5240	-45.86	-46.37	6.98	59.11	Peak	68.2	Pass
NVNT	n20	5240	-56.3	-56.32	6.98	48.91	Average	54	Pass
NVNT	n20	5240	-49.99	-49.98	6.98	55.23	Peak	68.2	Pass
NVNT	n20	5240	-57.27	-57.04	6.98	48.06	Average	54	Pass
NVNT	n40	5190	-48.81	-49.51	6.98	56.07	Peak	68.2	Pass
NVNT	n40	5190	-57.44	-57.4	6.98	47.80	Average	54	Pass
NVNT	n40	5190	-42.19	-38.41	6.98	65.32	Peak	68.2	Pass
NVNT	n40	5190	-53.21	-53.47	6.98	51.88	Average	54	Pass
NVNT	n40	5190	-44.39	-38.41	6.98	64.77	Peak	68.2	Pass
NVNT	n40	5190	-53.36	-53.47	6.98	51.80	Average	54	Pass
NVNT	n40	5230	-49.63	-49.53	6.98	55.64	Peak	68.2	Pass
NVNT	n40	5230	-57.43	-56.68	6.98	48.18	Average	54	Pass
NVNT	n40	5230	-46.44	-46.65	6.98	58.67	Peak	68.2	Pass
NVNT	n40	5230	-56.19	-56.16	6.98	49.04	Average	54	Pass
NVNT	n40	5230	-48.4	-49.6	6.98	56.26	Peak	68.2	Pass
NVNT	n40	5230	-57.09	-56.88	6.98	48.23	Average	54	Pass
NVNT	ac20	5180	-49.94	-50.07	6.98	55.21	Peak	68.2	Pass
NVNT	ac20	5180	-57.2	-56.57	6.98	48.34	Average	54	Pass
NVNT	ac20	5180	-42.99	-40.19	6.98	63.85	Peak	68.2	Pass
NVNT	ac20	5180	-53.46	-53.48	6.98	51.75	Average	54	Pass
NVNT	ac20	5180	-42.41	-44.57	6.98	61.86	Peak	68.2	Pass
NVNT	ac20	5180	-53.27	-53.69	6.98	51.74	Average	54	Pass
NVNT	ac20	5240	-48.3	-49.6	6.98	56.32	Peak	68.2	Pass
NVNT	ac20	5240	-56.76	-56.86	6.98	48.41	Average	54	Pass
NVNT	ac20	5240	-45.89	-46.57	6.98	59.00	Peak	68.2	Pass
NVNT	ac20	5240	-56.15	-56.29	6.98	49.00	Average	54	Pass
NVNT	ac20	5240	-48.66	-47.75	6.98	57.04	Peak	68.2	Pass
NVNT	ac20	5240	-57.43	-57.11	6.98	47.95	Average	54	Pass

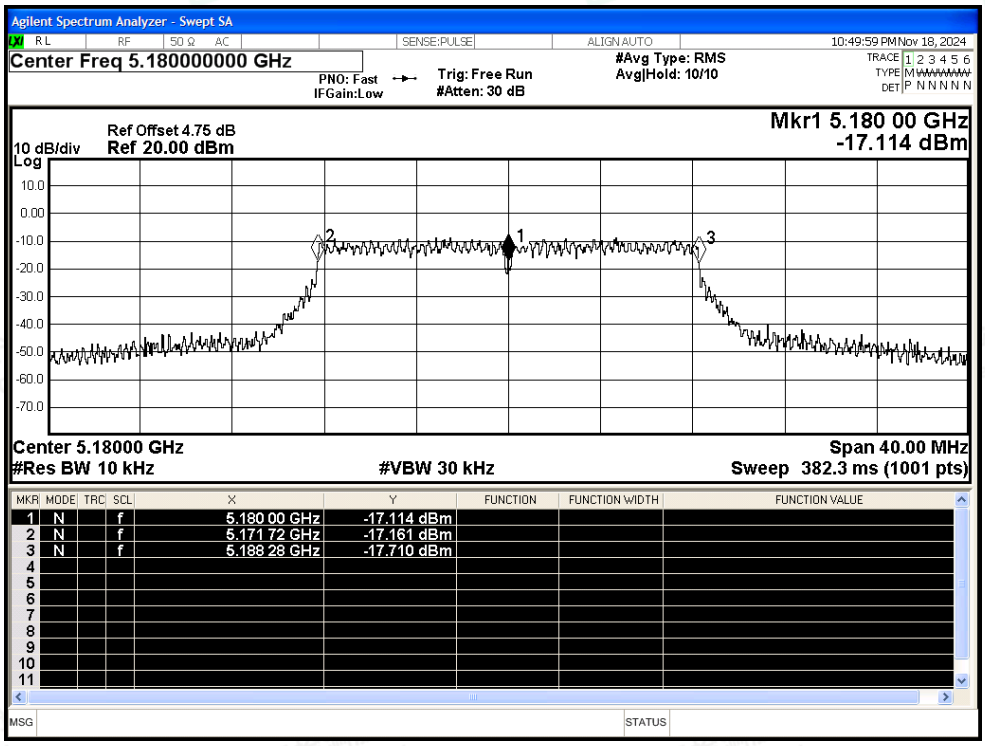
NVNT	ac40	5190	-49.07	-49.78	6.98	55.81	Peak	68.2	Pass
NVNT	ac40	5190	-57.71	-57.22	6.98	47.76	Average	54	Pass
NVNT	ac40	5190	-40.95	-42.15	6.98	63.71	Peak	68.2	Pass
NVNT	ac40	5190	-53.83	-53.9	6.98	51.35	Average	54	Pass
NVNT	ac40	5190	-41.41	-42.15	6.98	63.45	Peak	68.2	Pass
NVNT	ac40	5190	-53.83	-54.1	6.98	51.25	Average	54	Pass
NVNT	ac40	5230	-50.43	-49.49	6.98	55.28	Peak	68.2	Pass
NVNT	ac40	5230	-57.48	-56.58	6.98	48.21	Average	54	Pass
NVNT	ac40	5230	-46.83	-46.06	6.98	58.79	Peak	68.2	Pass
NVNT	ac40	5230	-56.14	-56.18	6.98	49.06	Average	54	Pass
NVNT	ac40	5230	-49.36	-49.71	6.98	55.69	Peak	68.2	Pass
NVNT	ac40	5230	-56.82	-57.27	6.98	48.18	Average	54	Pass
NVNT	ac80	5210	-47	-48.04	6.98	57.73	Peak	68.2	Pass
NVNT	ac80	5210	-56.23	-56.16	6.98	49.02	Average	54	Pass
NVNT	ac80	5210	-45.96	-45.34	6.98	59.58	Peak	68.2	Pass
NVNT	ac80	5210	-55.52	-55.48	6.98	49.72	Average	54	Pass
NVNT	ac80	5210	-47.51	-48.86	6.98	57.09	Peak	68.2	Pass
NVNT	ac80	5210	-56.17	-56.98	6.98	48.66	Average	54	Pass
NVNT	ac80	5210	-49.5	-49.75	6.98	55.59	Peak	68.2	Pass
NVNT	ac80	5210	-57.56	-57.64	6.98	47.62	Average	54	Pass
NVNT	ac80	5210	-42.81	-41.93	6.98	62.87	Peak	68.2	Pass
NVNT	ac80	5210	-53.35	-53.38	6.98	51.85	Average	54	Pass
NVNT	ac80	5210	-43.31	-42.63	6.98	62.26	Peak	68.2	Pass
NVNT	ac80	5210	-53.41	-53.09	6.98	51.97	Average	54	Pass

B.5 Frequency Stability

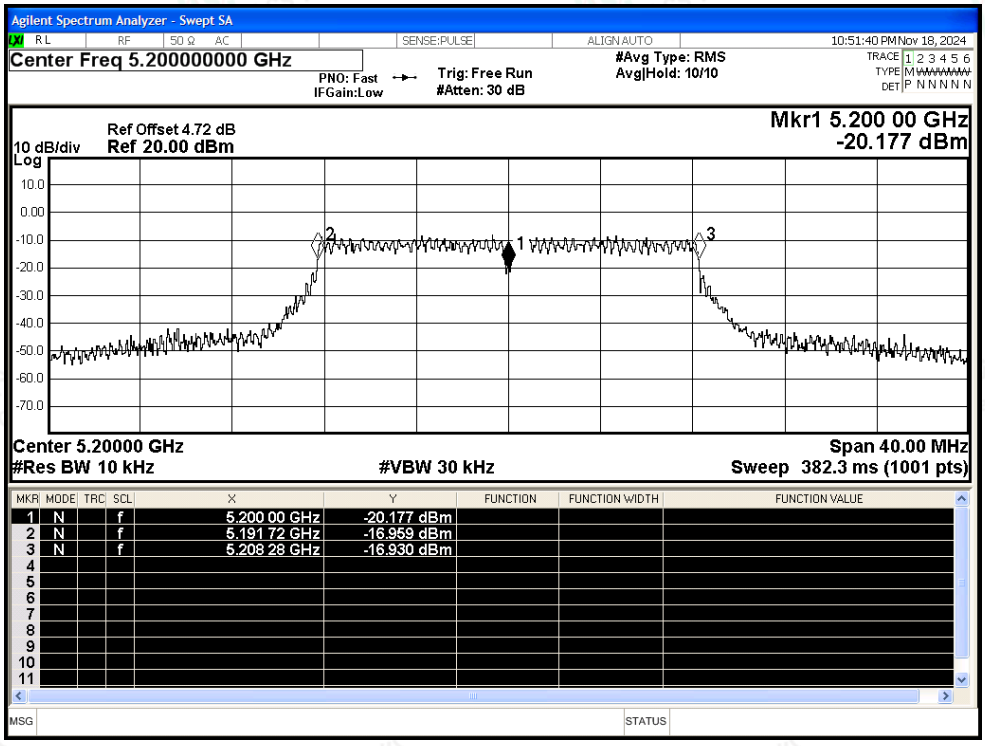
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	a	5180	Ant3	5180	0	0	25	Pass
NVNT	a	5200	Ant3	5200	0	0	25	Pass
NVNT	a	5240	Ant3	5239.98	-20000	-3.82	25	Pass
NVNT	n20	5180	Ant3	5179.98	-20000	-3.86	25	Pass
NVNT	n20	5200	Ant3	5200	0	0	25	Pass
NVNT	n20	5240	Ant3	5240	0	0	25	Pass
NVNT	n40	5190	Ant3	5190	0	0	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	5199.96	-40000	-7.69	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

Test Graphs

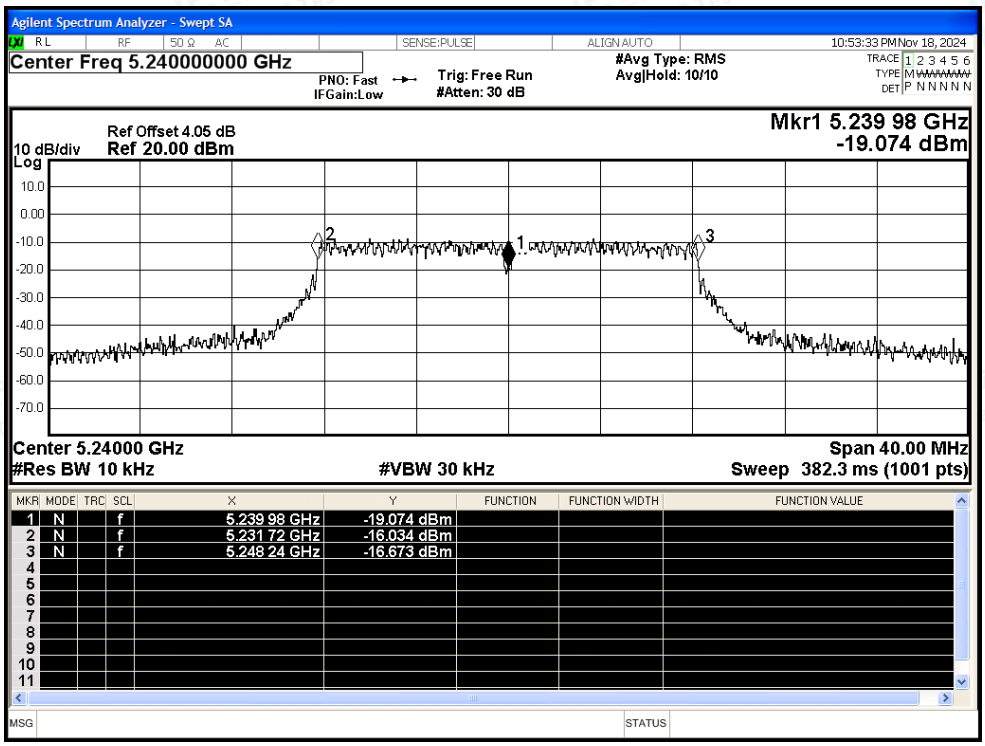
Freq. Stability NVNT a 5180MHz Ant3



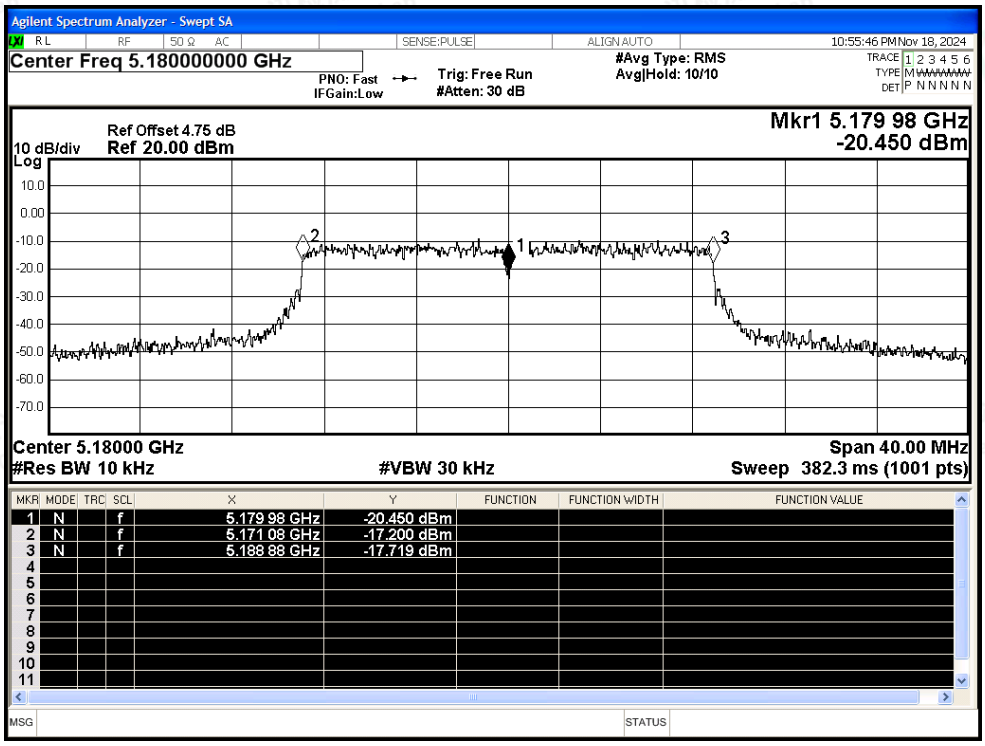
Freq. Stability NVNT a 5200MHz Ant3



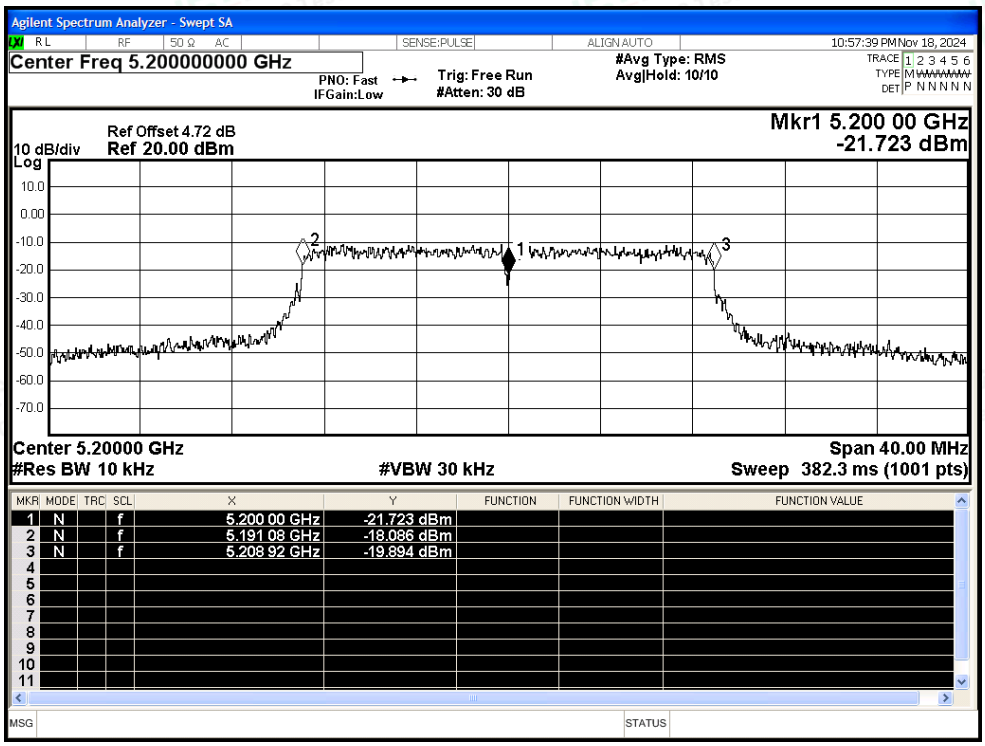
Freq. Stability NVNT a 5240MHz Ant3



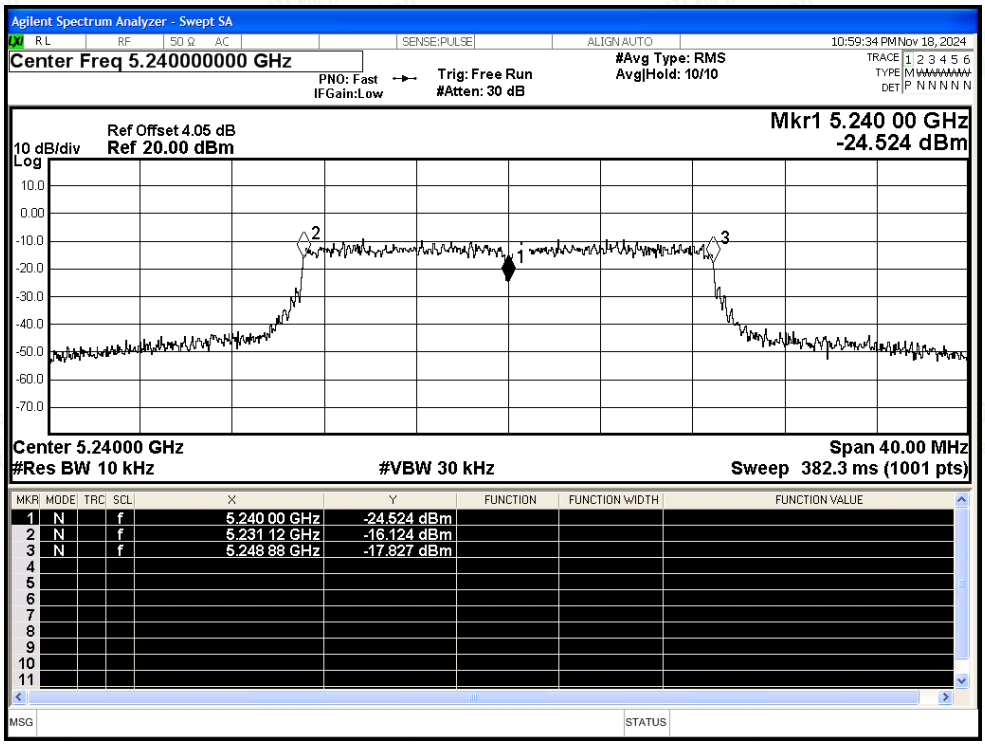
Freq. Stability NVNT n20 5180MHz Ant3



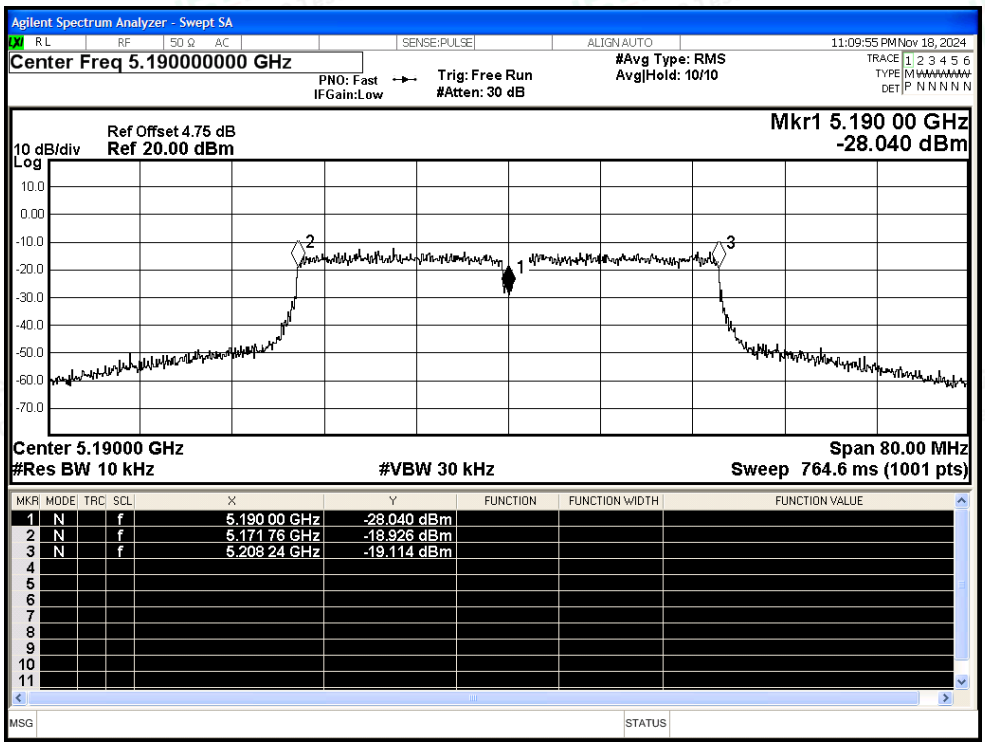
Freq. Stability NVNT n20 5200MHz Ant3



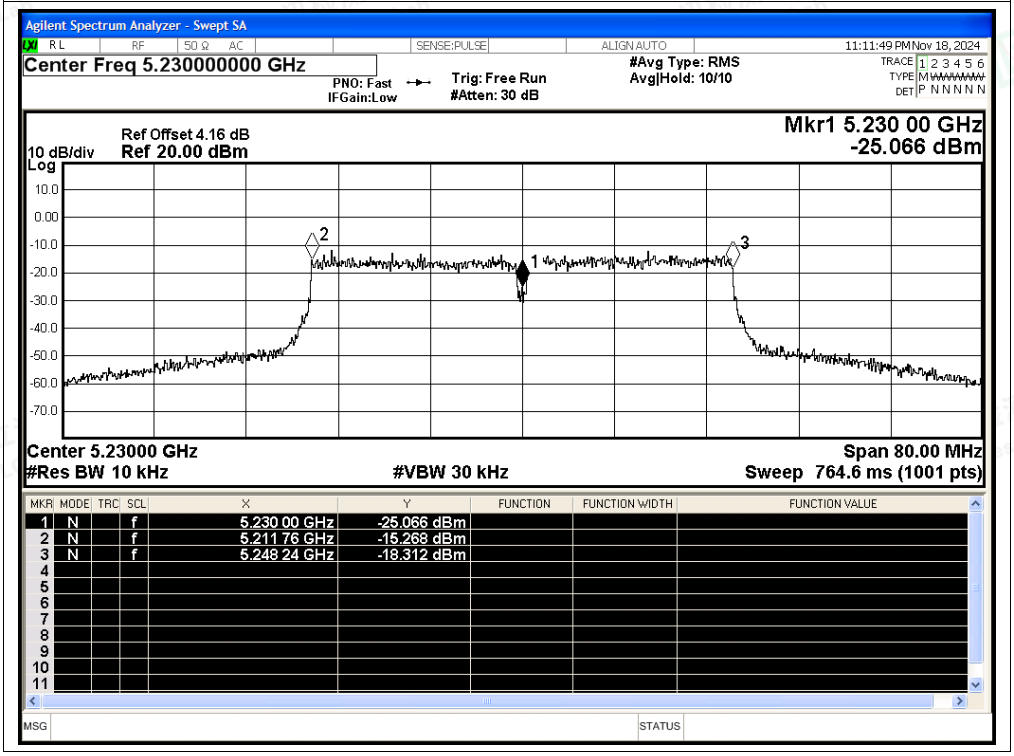
Freq. Stability NVNT n20 5240MHz Ant3



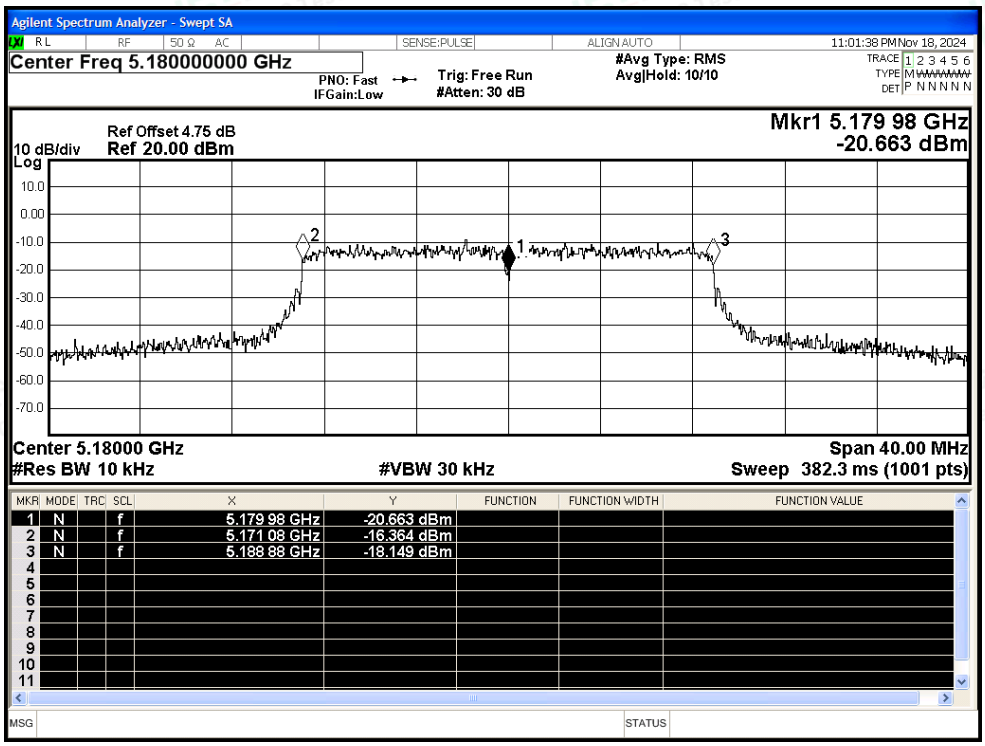
Freq. Stability NVNT n40 5190MHz Ant3



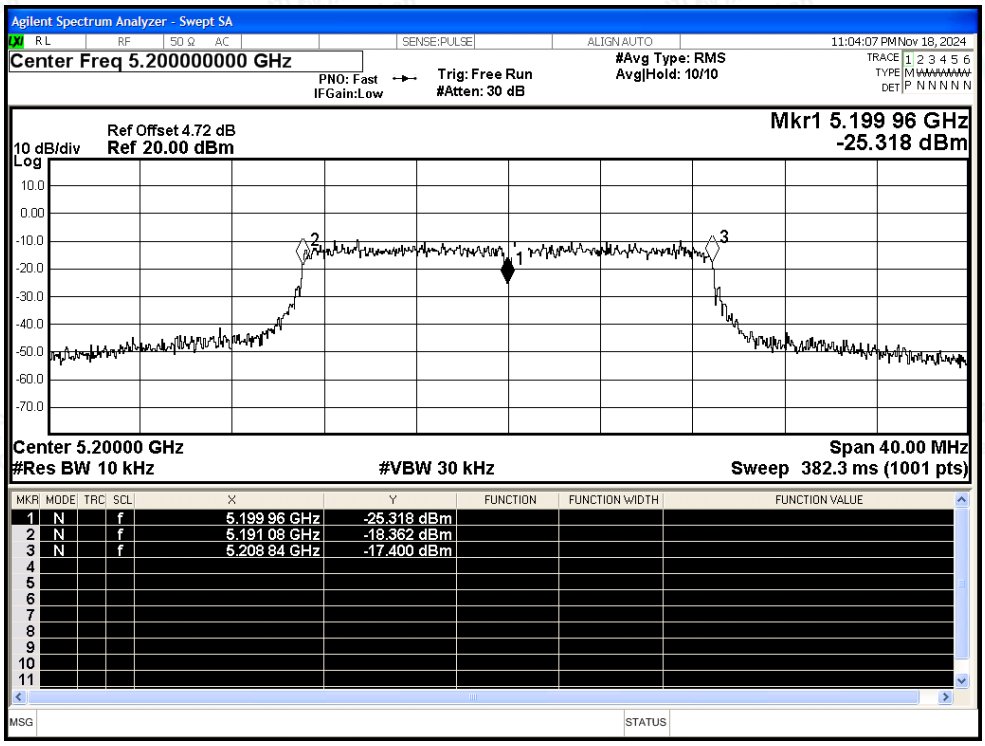
Freq. Stability NVNT n40 5230MHz Ant3



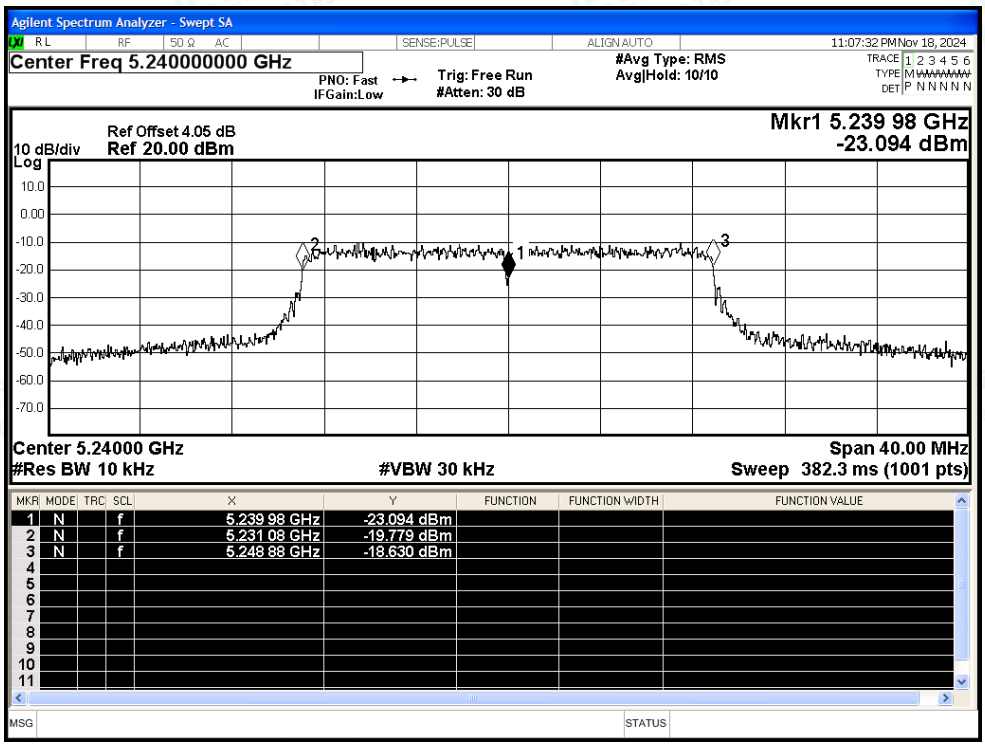
Freq. Stability NVNT ac20 5180MHz Ant3



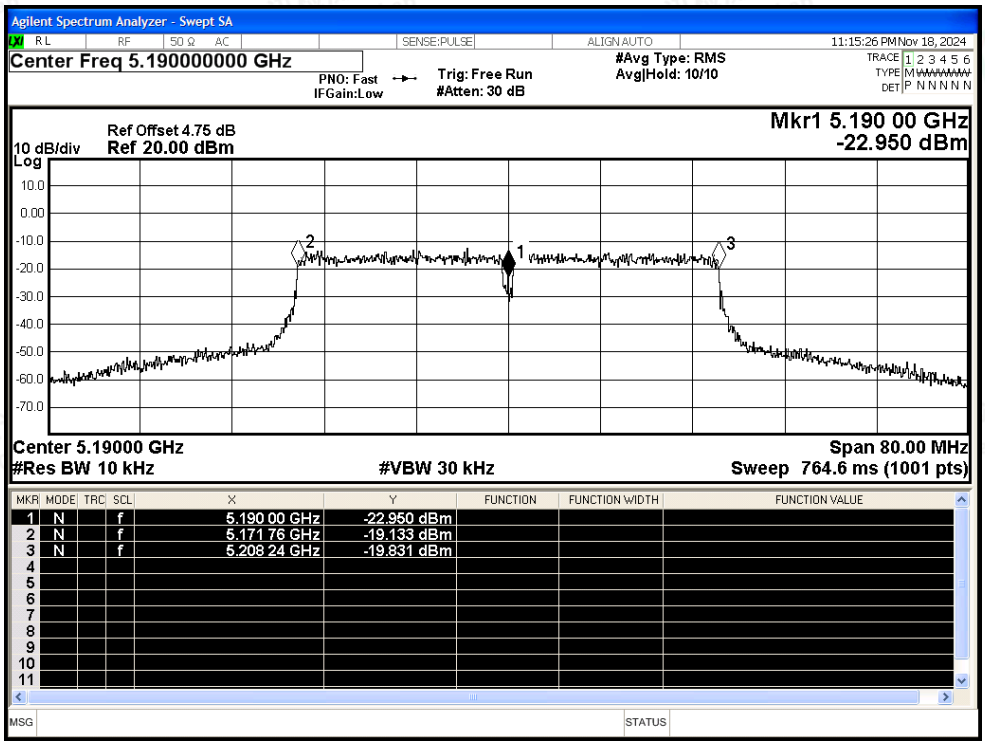
Freq. Stability NVNT ac20 5200MHz Ant3



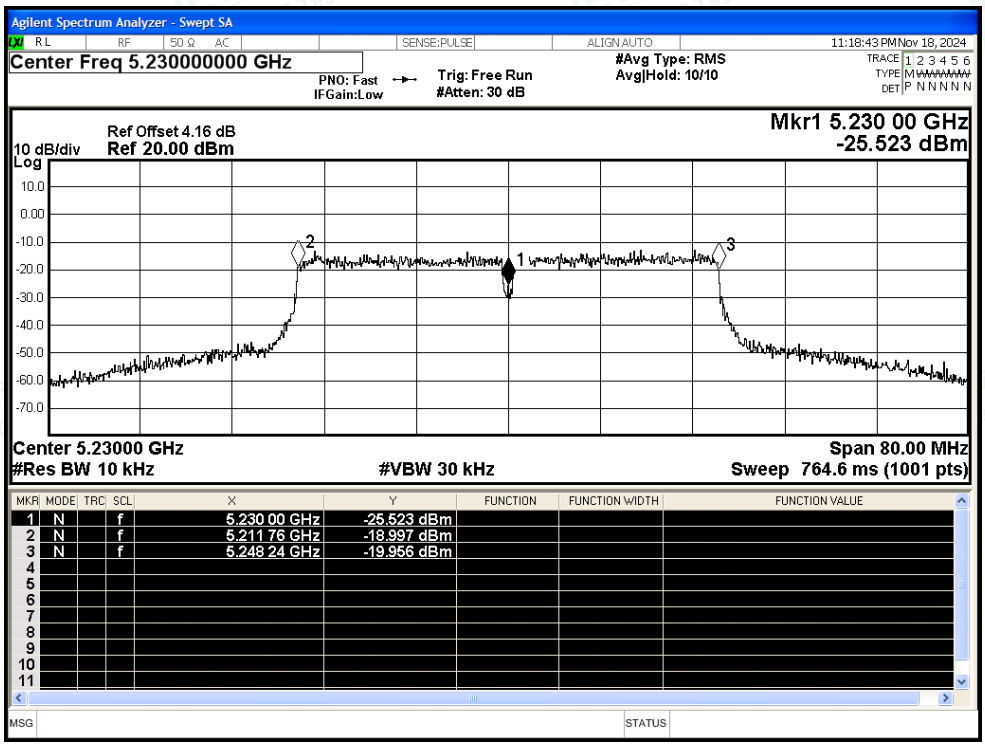
Freq. Stability NVNT ac20 5240MHz Ant3



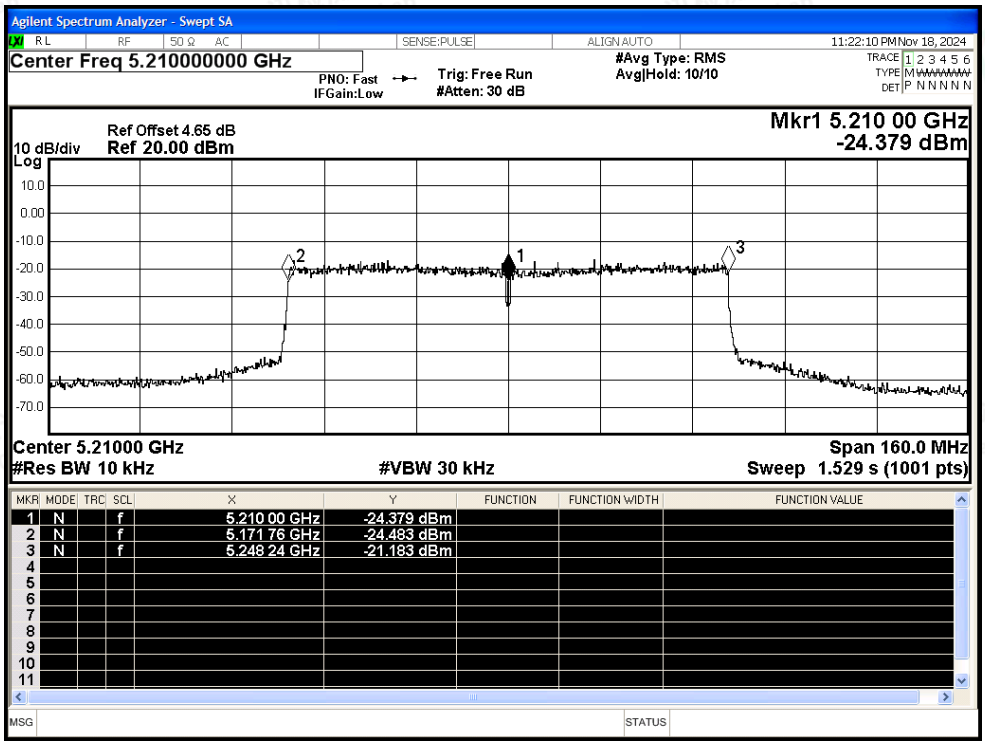
Freq. Stability NVNT ac40 5190MHz Ant3



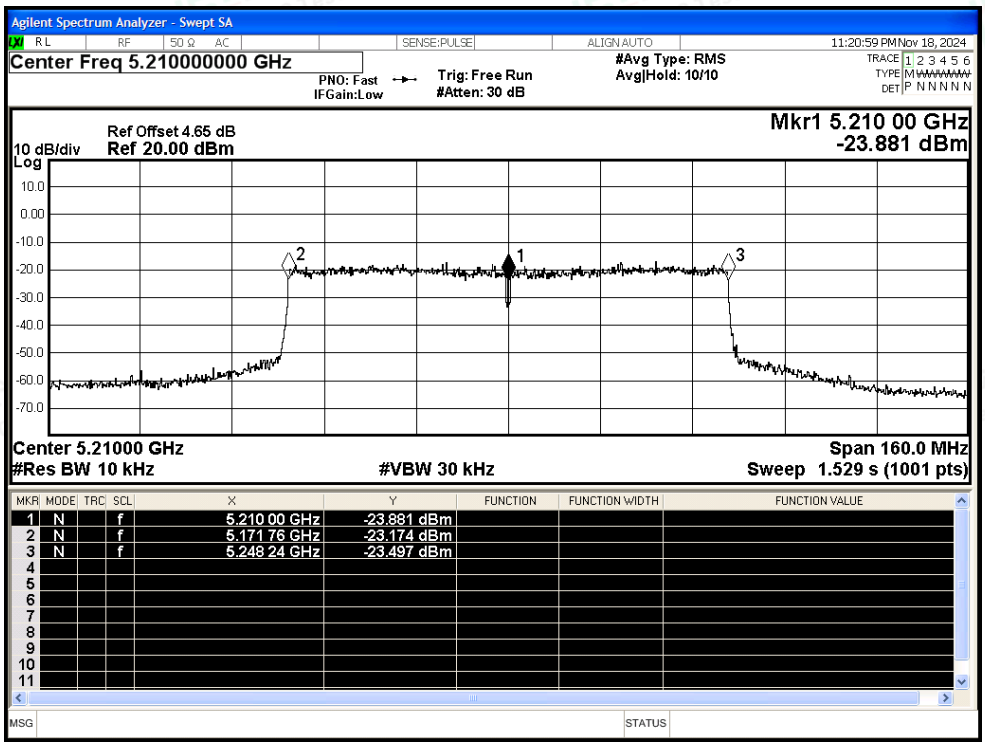
Freq. Stability NVNT ac40 5230MHz Ant3



Freq. Stability NVNT ac80 5210MHz Ant3



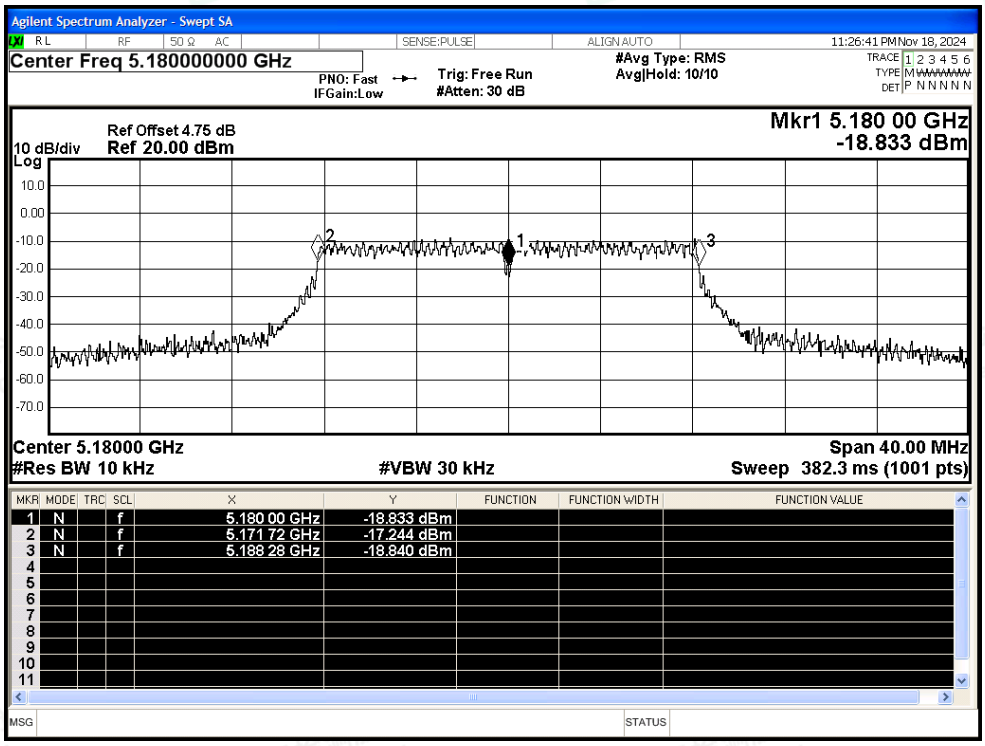
Freq. Stability NVNT ac80 5210MHz Ant3



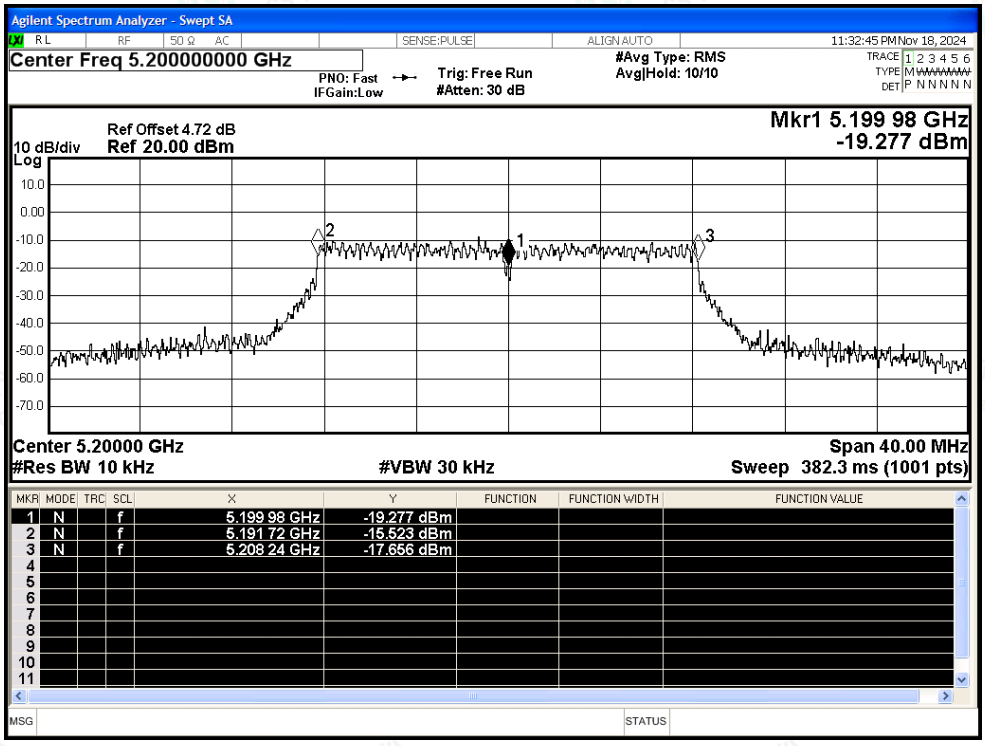
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	a	5180	Ant4	5180	0	0	25	Pass
NVNT	a	5200	Ant4	5199.98	-20000	-3.85	25	Pass
NVNT	a	5240	Ant4	5239.98	-20000	-3.82	25	Pass
NVNT	n20	5180	Ant4	5179.98	-20000	-3.86	25	Pass
NVNT	n20	5200	Ant4	5199.98	-20000	-3.85	25	Pass
NVNT	n20	5240	Ant4	5239.98	-20000	-3.82	25	Pass
NVNT	n40	5190	Ant4	5190	0	0	25	Pass
NVNT	n40	5230	Ant4	5230	0	0	25	Pass
NVNT	ac20	5180	Ant4	5180	0	0	25	Pass
NVNT	ac20	5200	Ant4	5199.98	-20000	-3.85	25	Pass
NVNT	ac20	5240	Ant4	5240	0	0	25	Pass
NVNT	ac40	5190	Ant4	5190	0	0	25	Pass
NVNT	ac40	5230	Ant4	5229.96	-40000	-7.65	25	Pass
NVNT	ac80	5210	Ant4	5210	0	0	25	Pass

Test Graphs

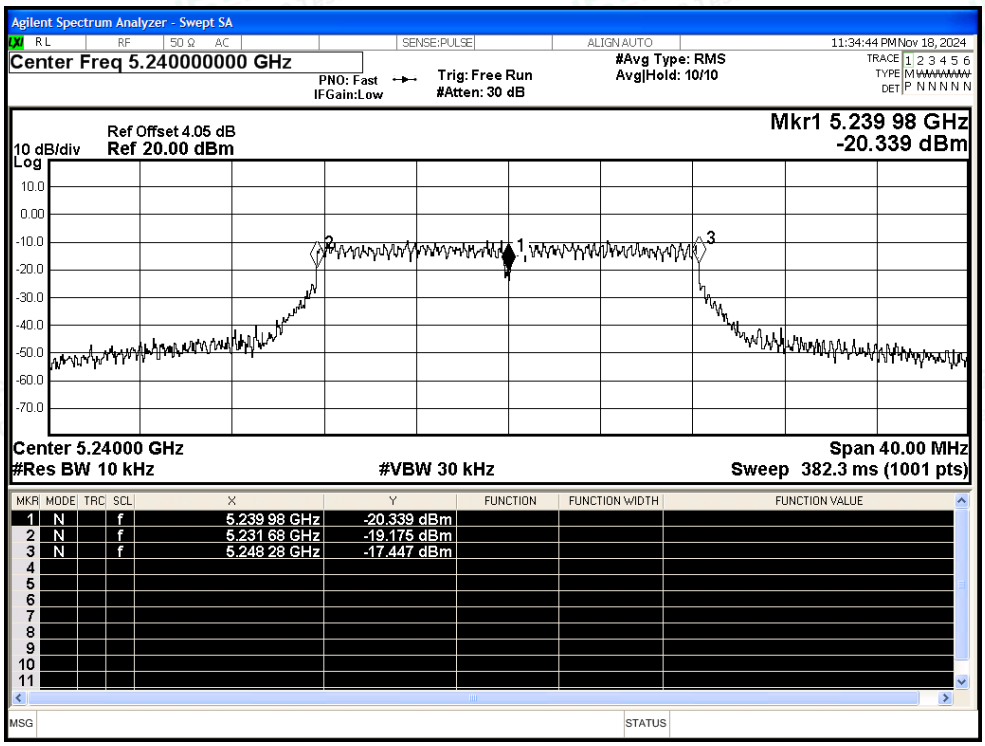
Freq. Stability NVNT a 5180MHz Ant4



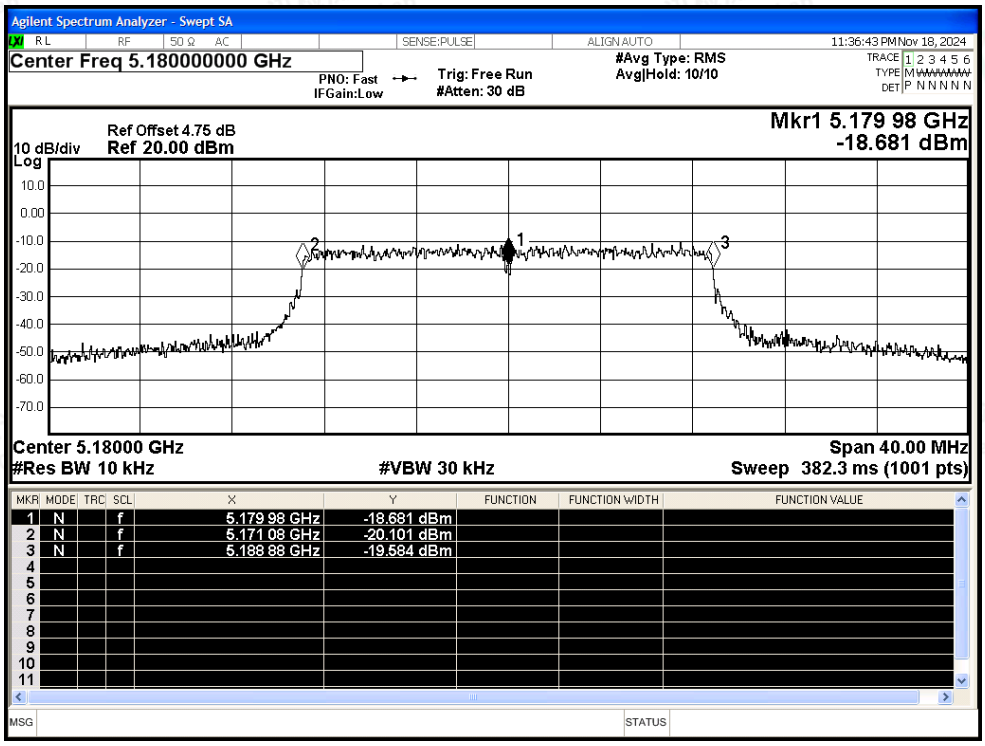
Freq. Stability NVNT a 5200MHz Ant4



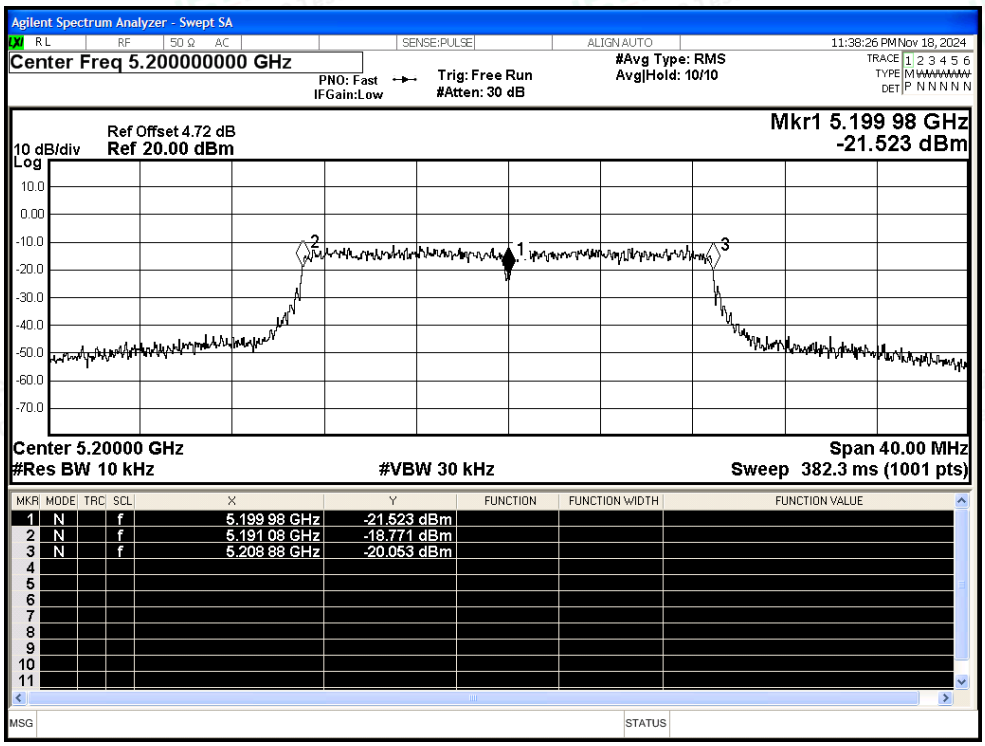
Freq. Stability NVNT a 5240MHz Ant4



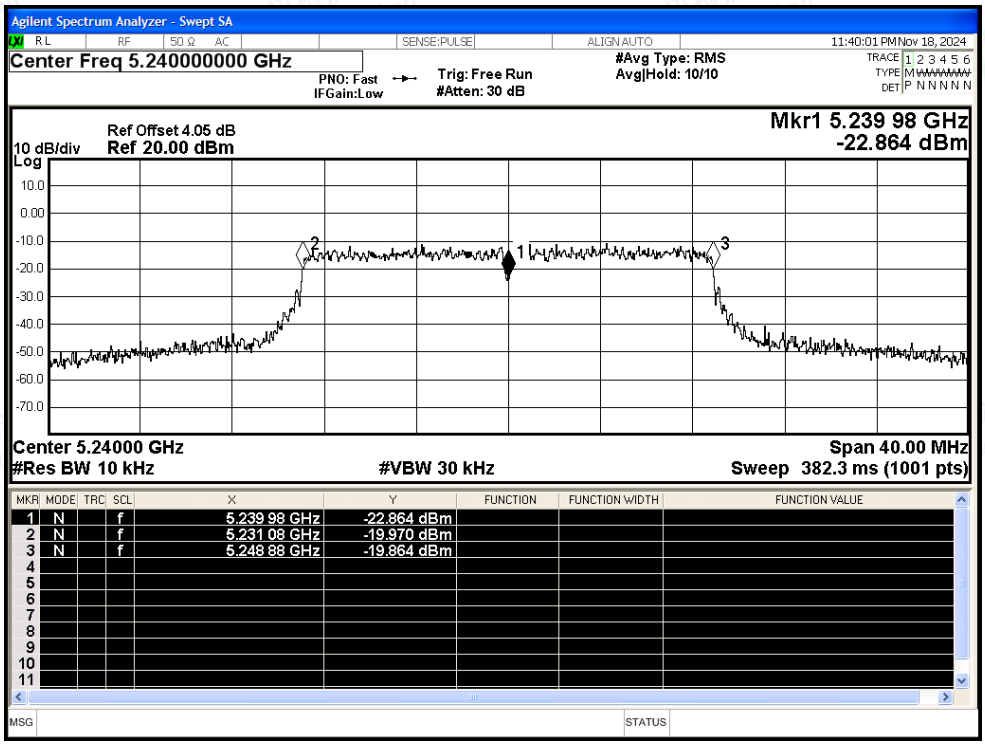
Freq. Stability NVNT n20 5180MHz Ant4



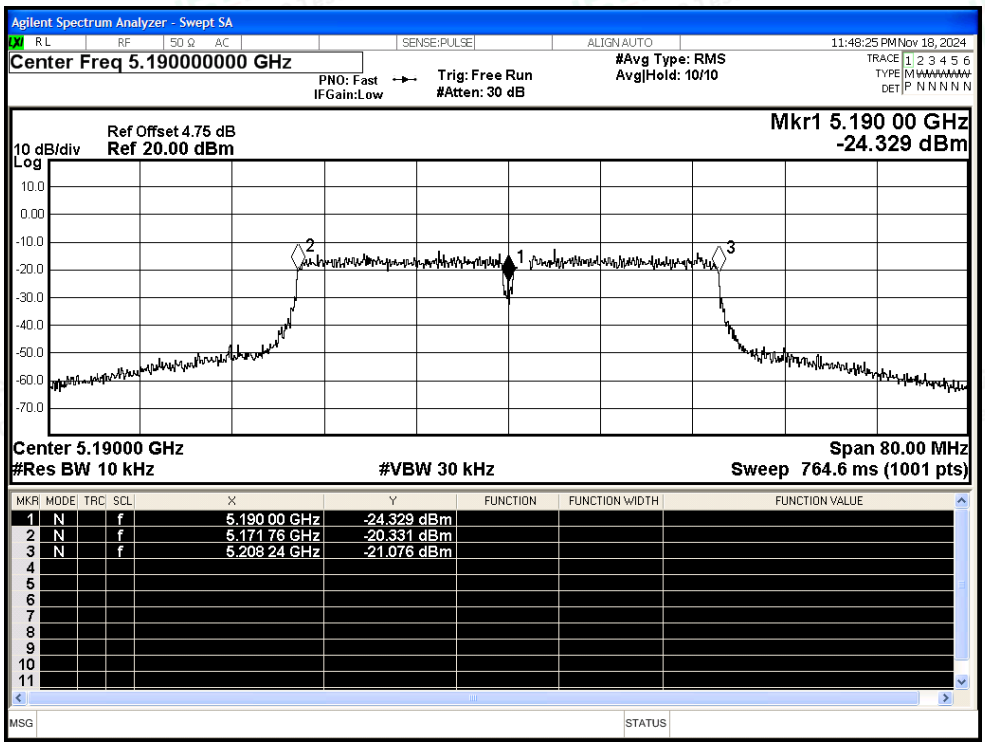
Freq. Stability NVNT n20 5200MHz Ant4



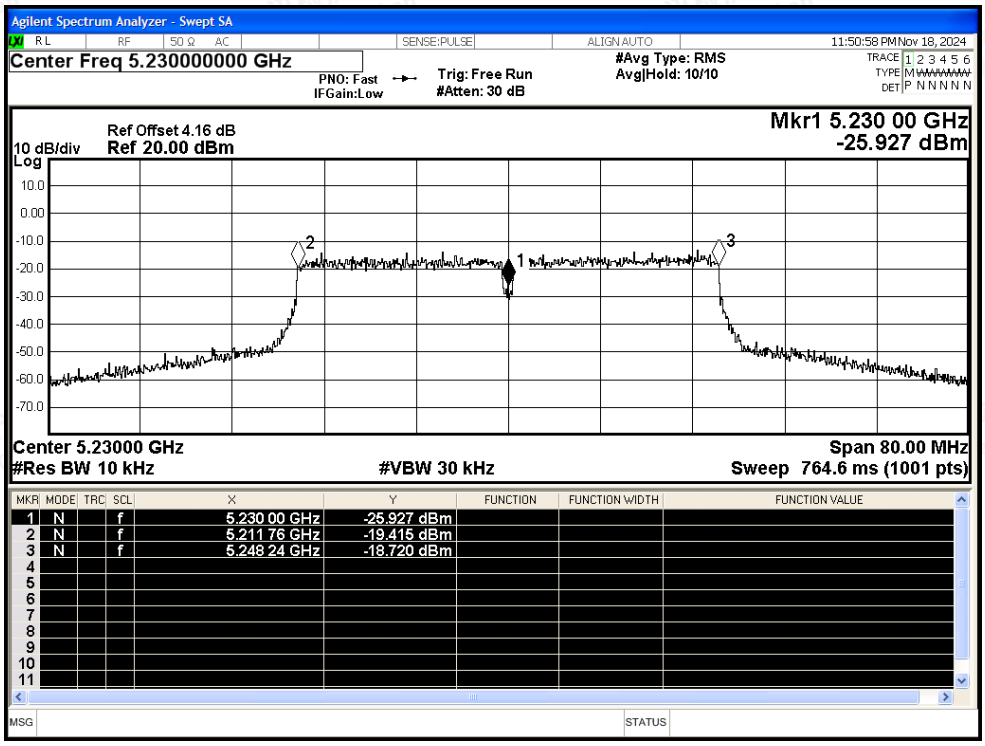
Freq. Stability NVNT n20 5240MHz Ant4



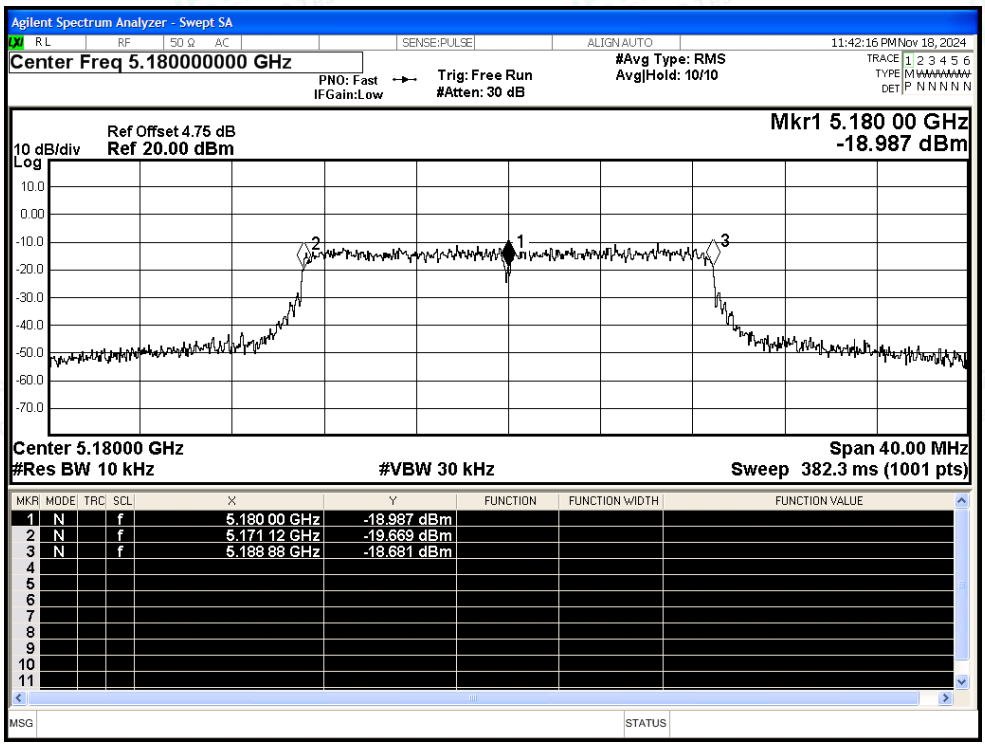
Freq. Stability NVNT n40 5190MHz Ant4



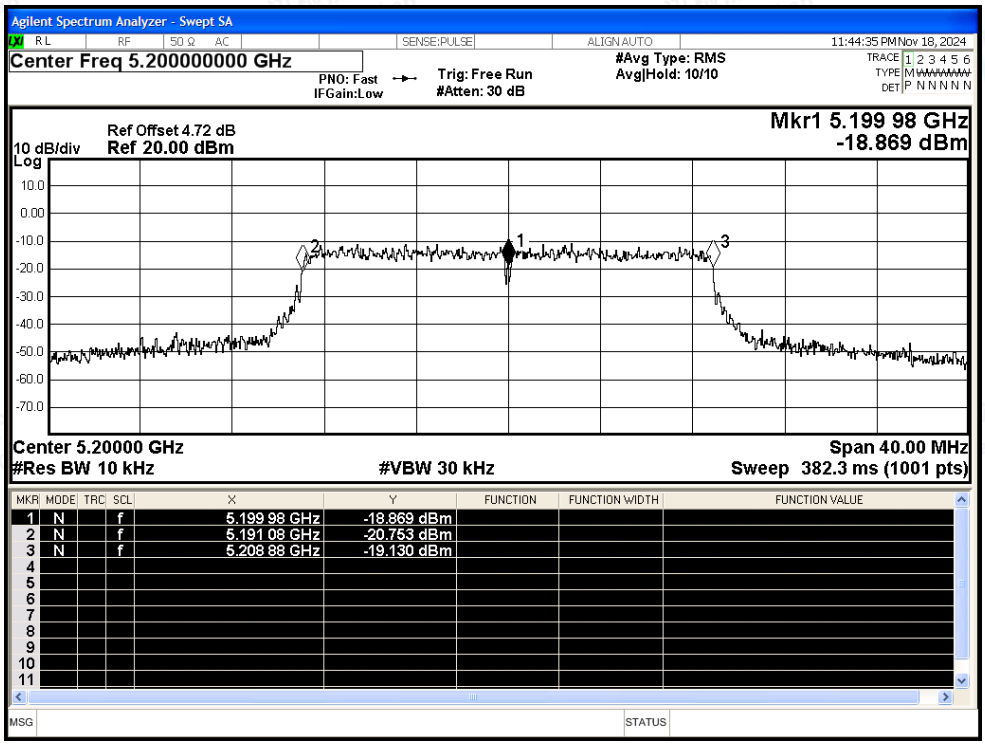
Freq. Stability NVNT n40 5230MHz Ant4



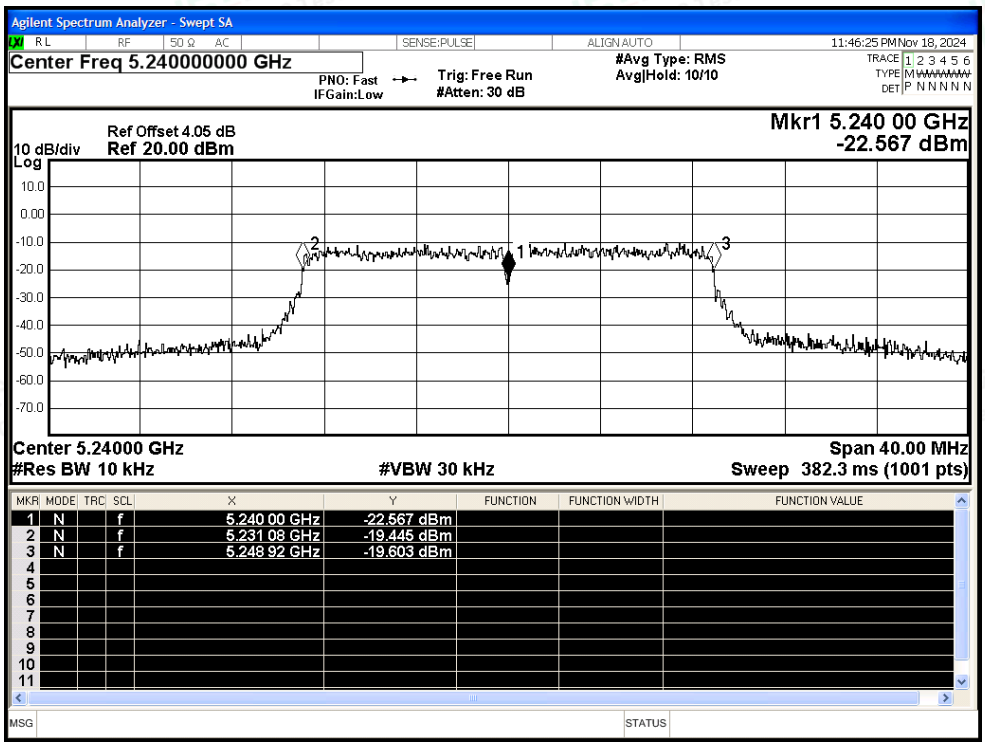
Freq. Stability NVNT ac20 5180MHz Ant4



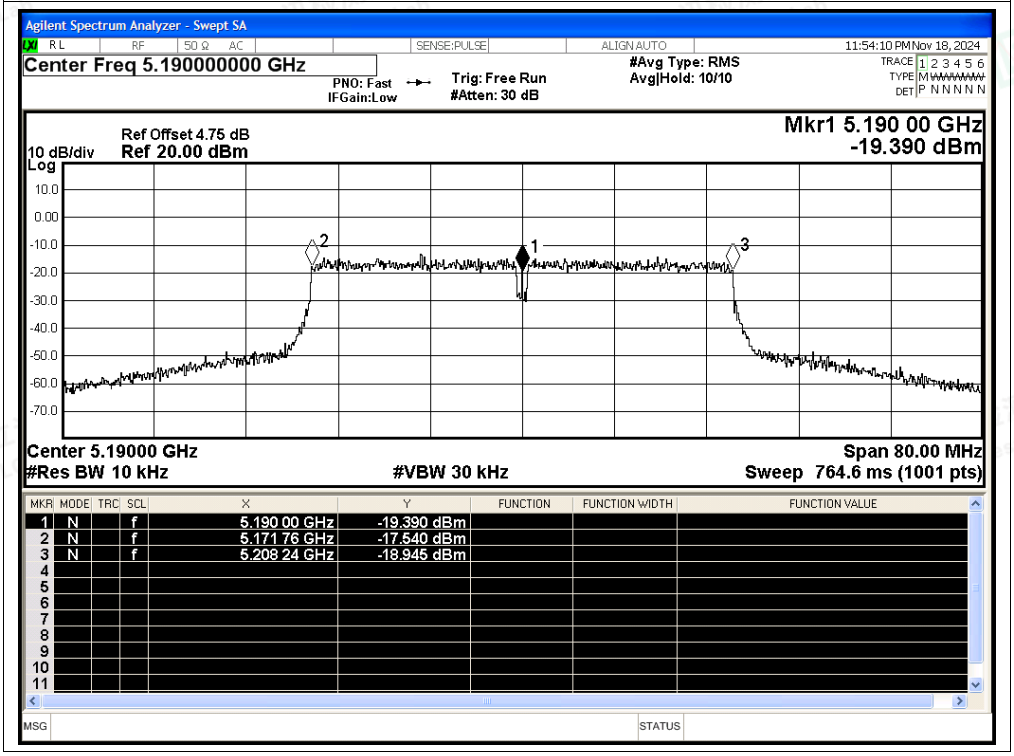
Freq. Stability NVNT ac20 5200MHz Ant4



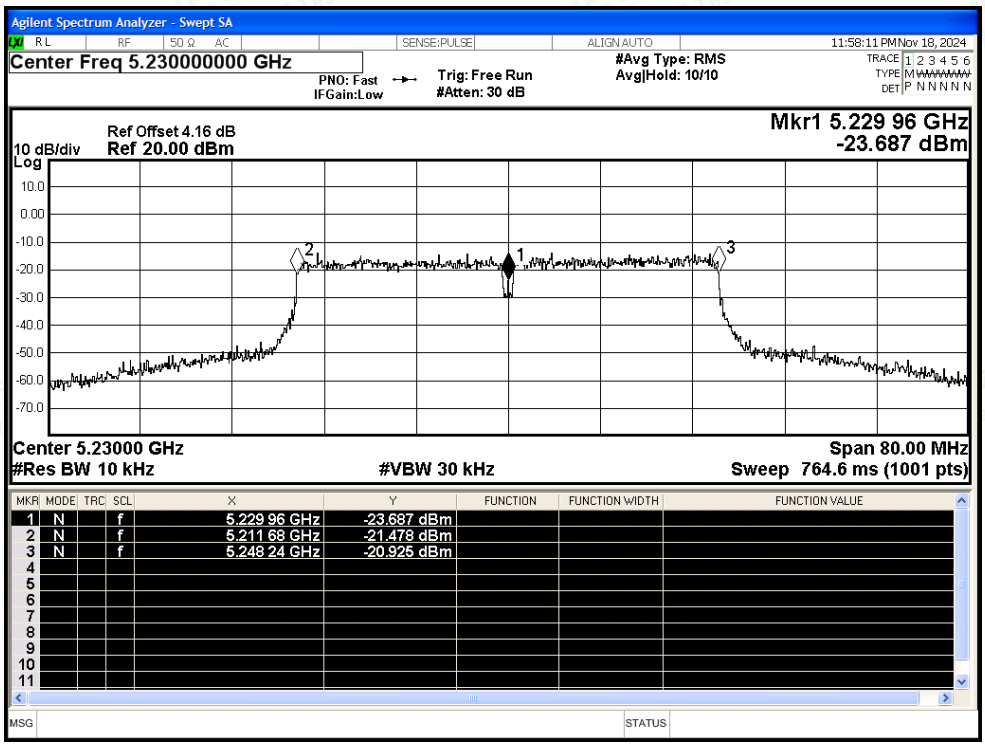
Freq. Stability NVNT ac20 5240MHz Ant4



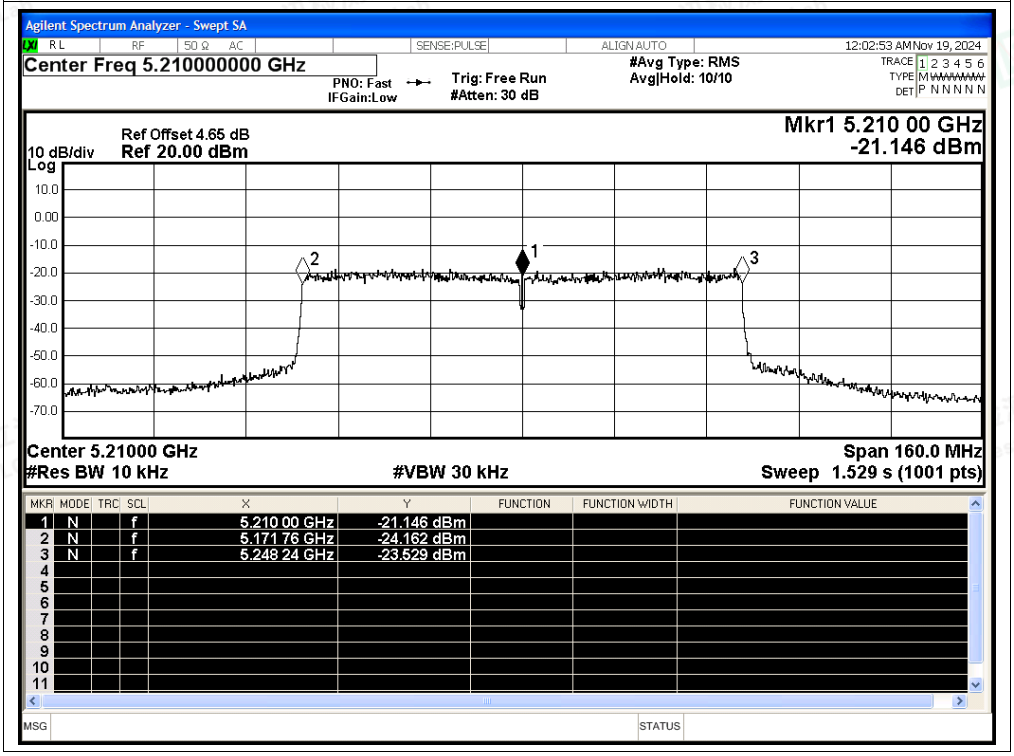
Freq. Stability NVNT ac40 5190MHz Ant4



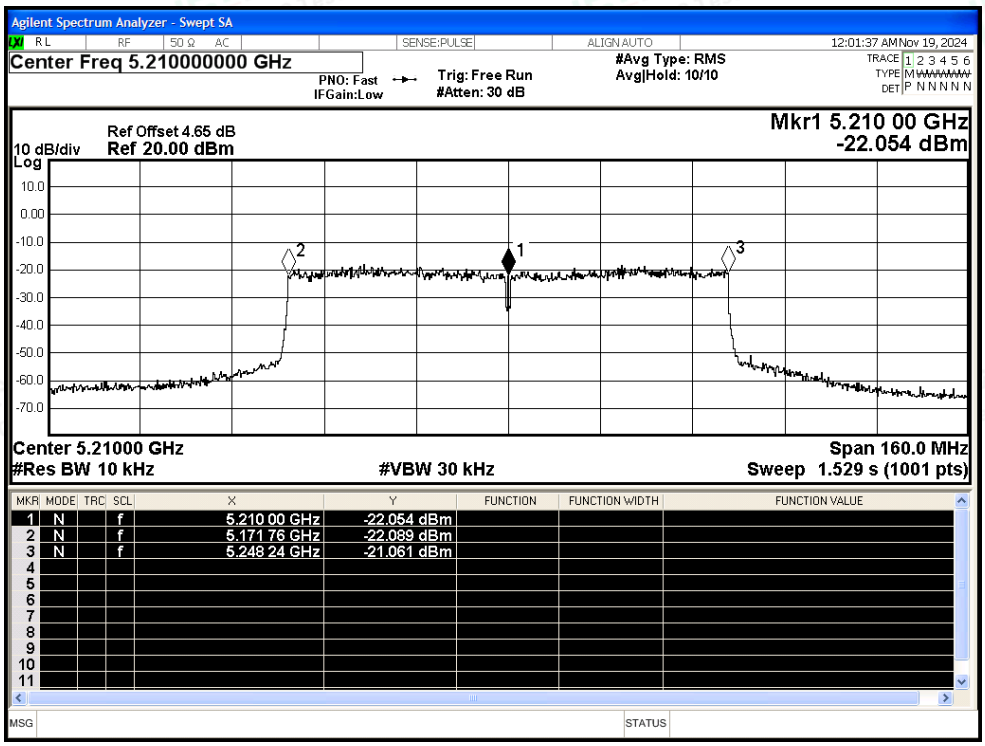
Freq. Stability NVNT ac40 5230MHz Ant4



Freq. Stability NVNT ac80 5210MHz Ant4



Freq. Stability NVNT ac80 5210MHz Ant4

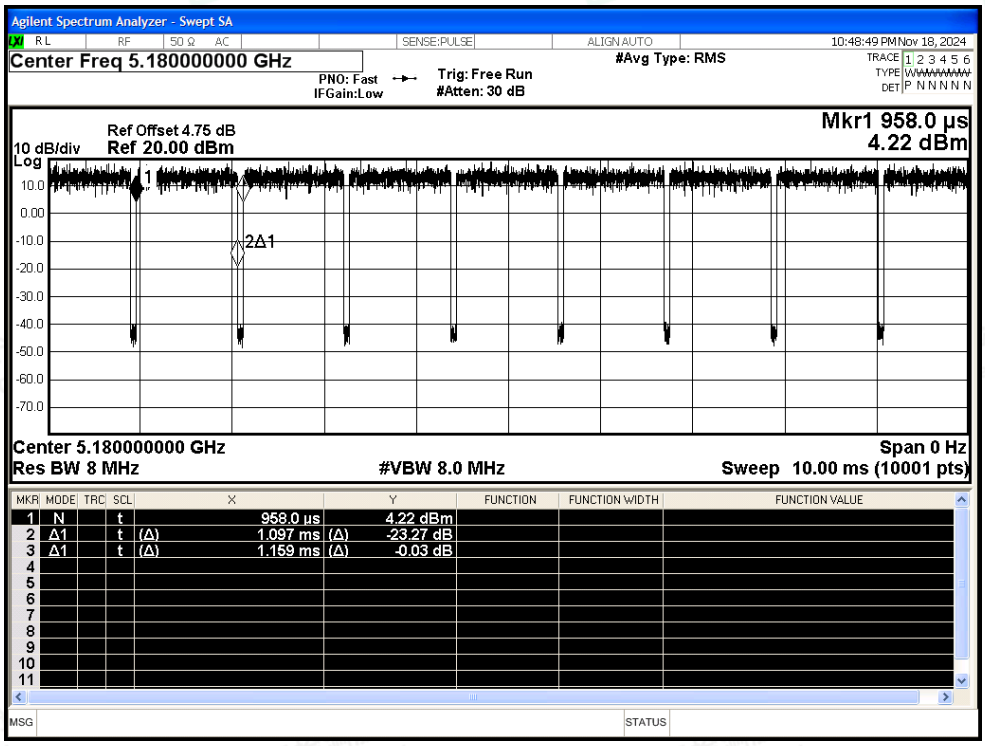


B.6 Duty Cycle

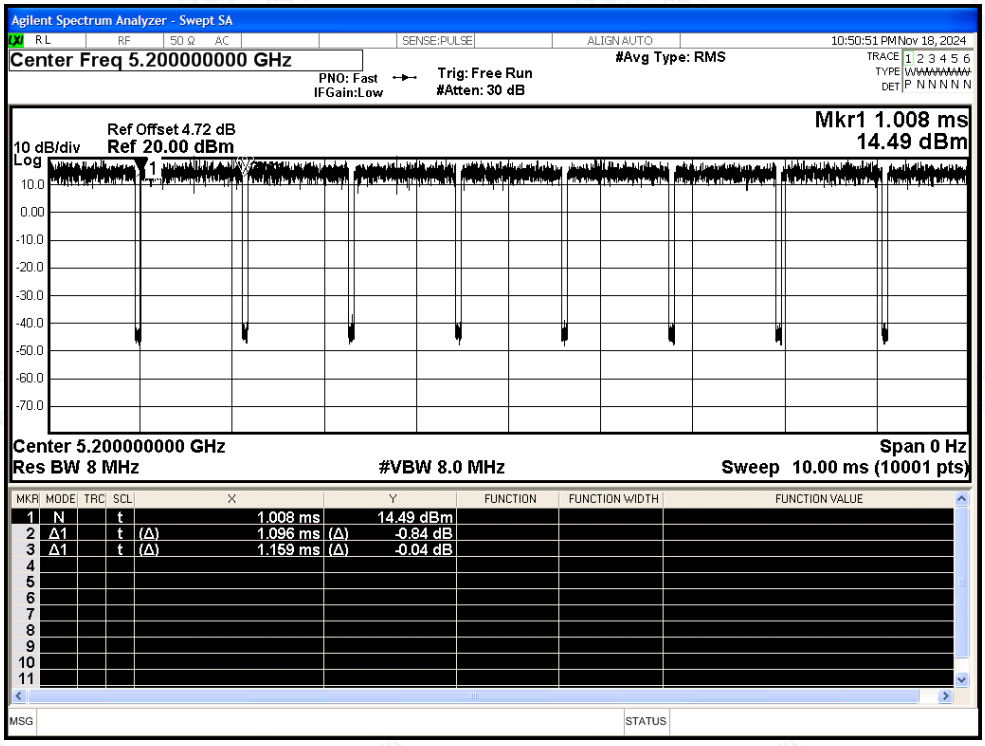
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant3	94.65	0.24	0.91
NVNT	a	5200	Ant3	94.56	0.24	0.91
NVNT	a	5240	Ant3	94.65	0.24	0.91
NVNT	n20	5180	Ant3	97.33	0.12	0.44
NVNT	n20	5200	Ant3	97.29	0.12	0.44
NVNT	n20	5240	Ant3	97.29	0.12	0.44
NVNT	n40	5190	Ant3	94.71	0.24	0.9
NVNT	n40	5230	Ant3	94.71	0.24	0.9
NVNT	ac20	5180	Ant3	97.3	0.12	0.44
NVNT	ac20	5200	Ant3	97.34	0.12	0.44
NVNT	ac20	5240	Ant3	97.34	0.12	0.44
NVNT	ac40	5190	Ant3	94.72	0.24	0.9
NVNT	ac40	5230	Ant3	94.72	0.24	0.9
NVNT	ac80	5210	Ant3	94.32	0.25	0.97

Test Graphs

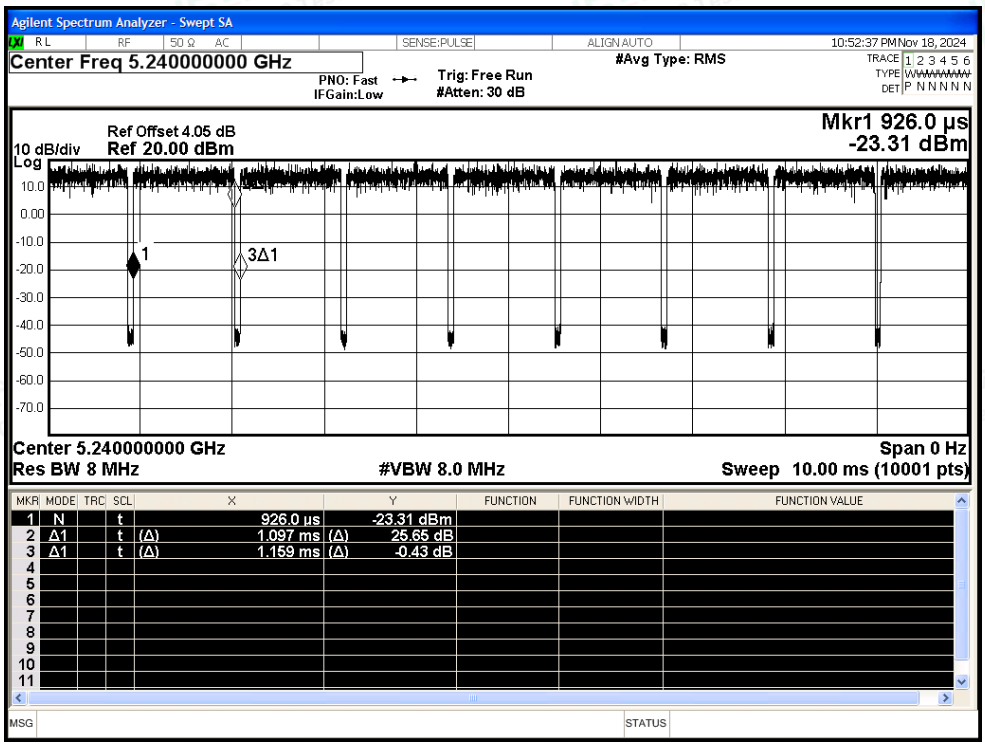
Duty Cycle NVNT a 5180MHz Ant3



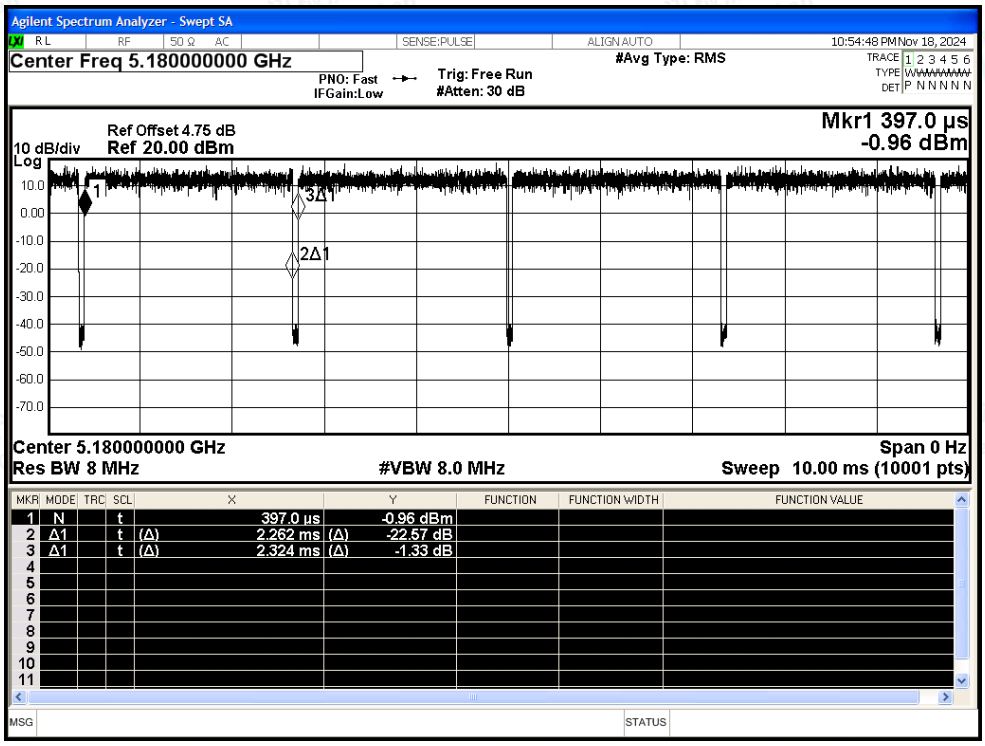
Duty Cycle NVNT a 5200MHz Ant3



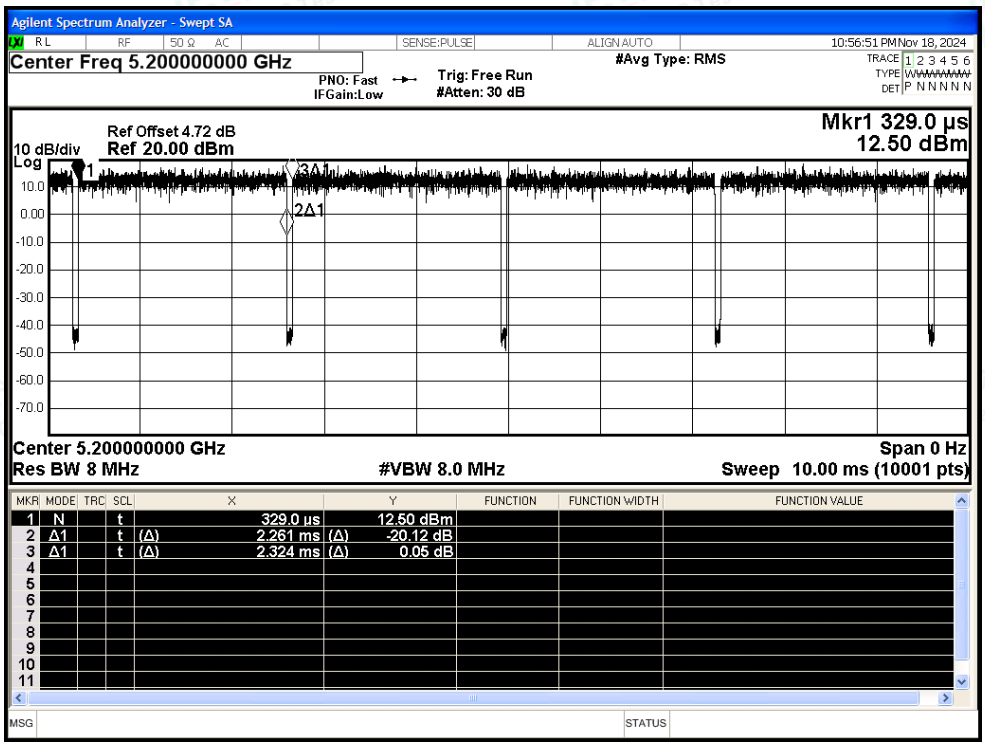
Duty Cycle NVNT a 5240MHz Ant3



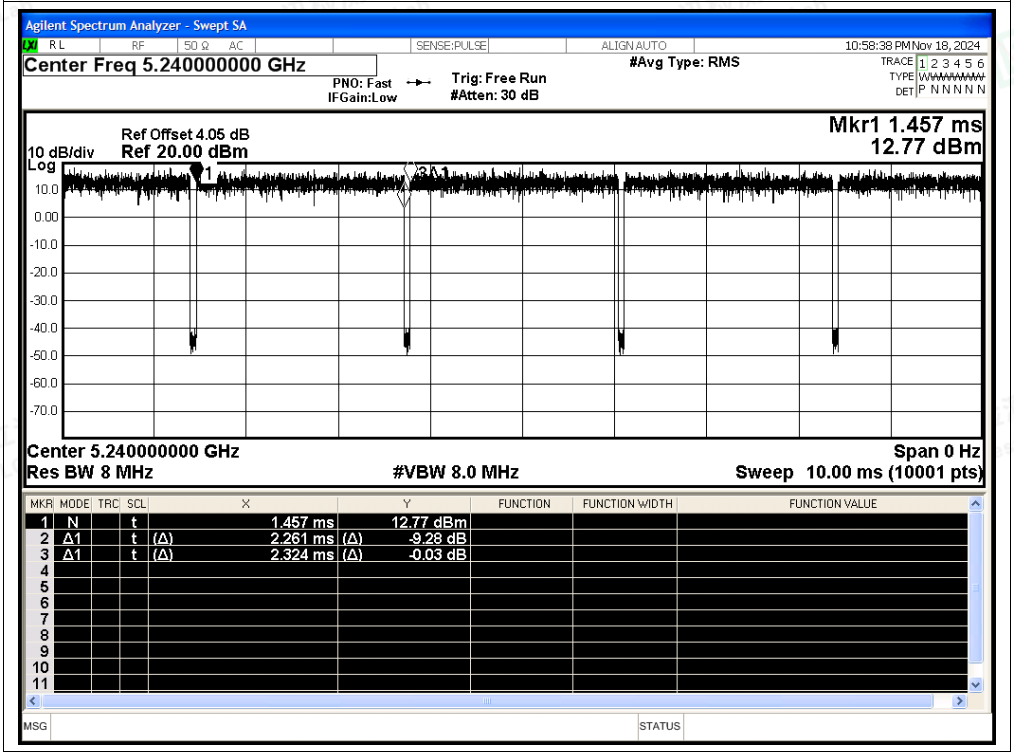
Duty Cycle NVNT n20 5180MHz Ant3



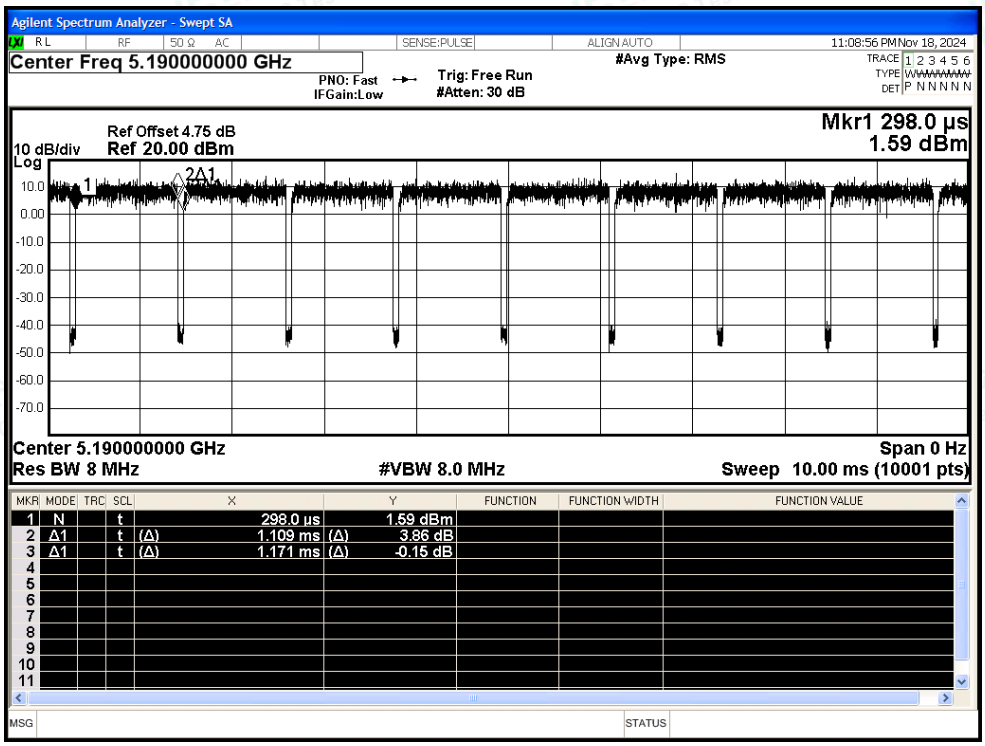
Duty Cycle NVNT n20 5200MHz Ant3



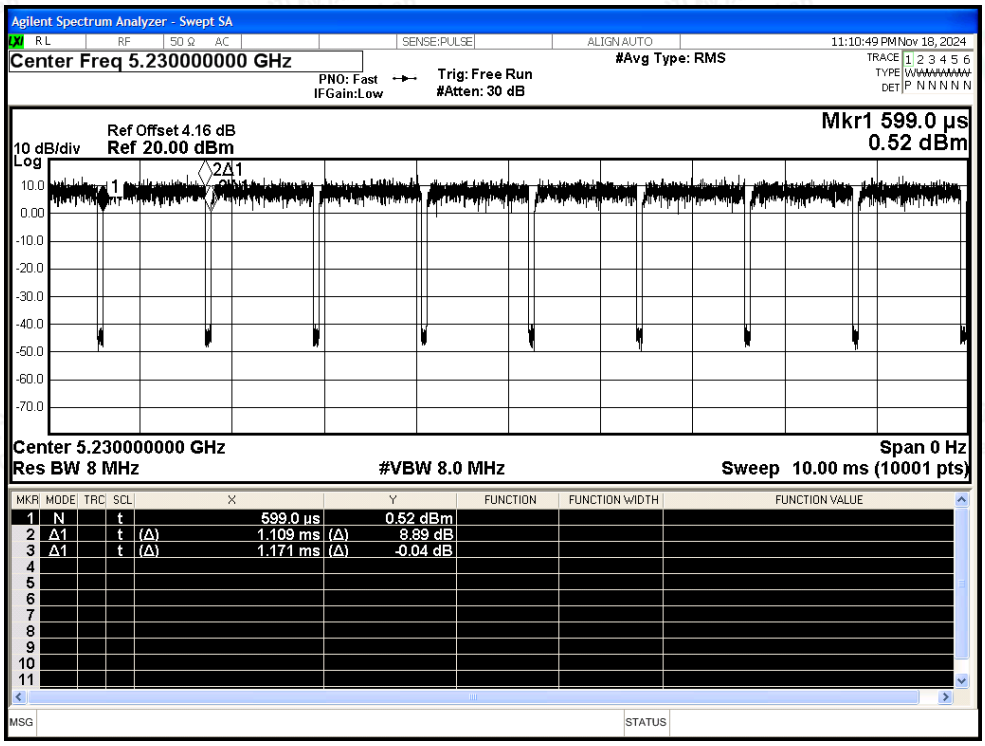
Duty Cycle NVNT n20 5240MHz Ant3



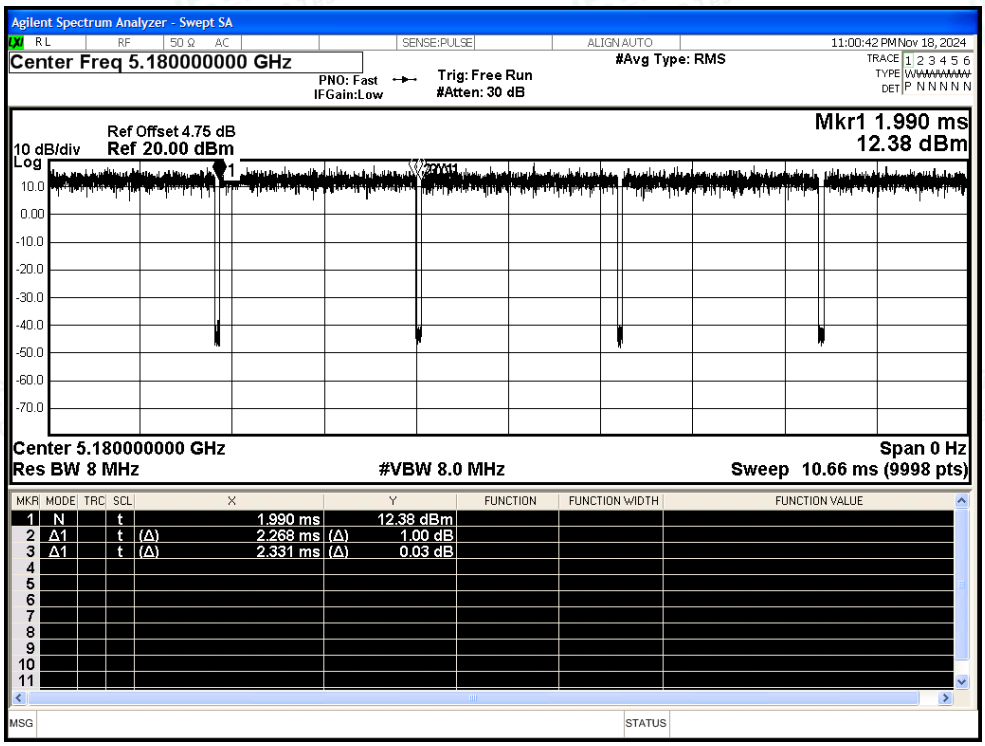
Duty Cycle NVNT n40 5190MHz Ant3



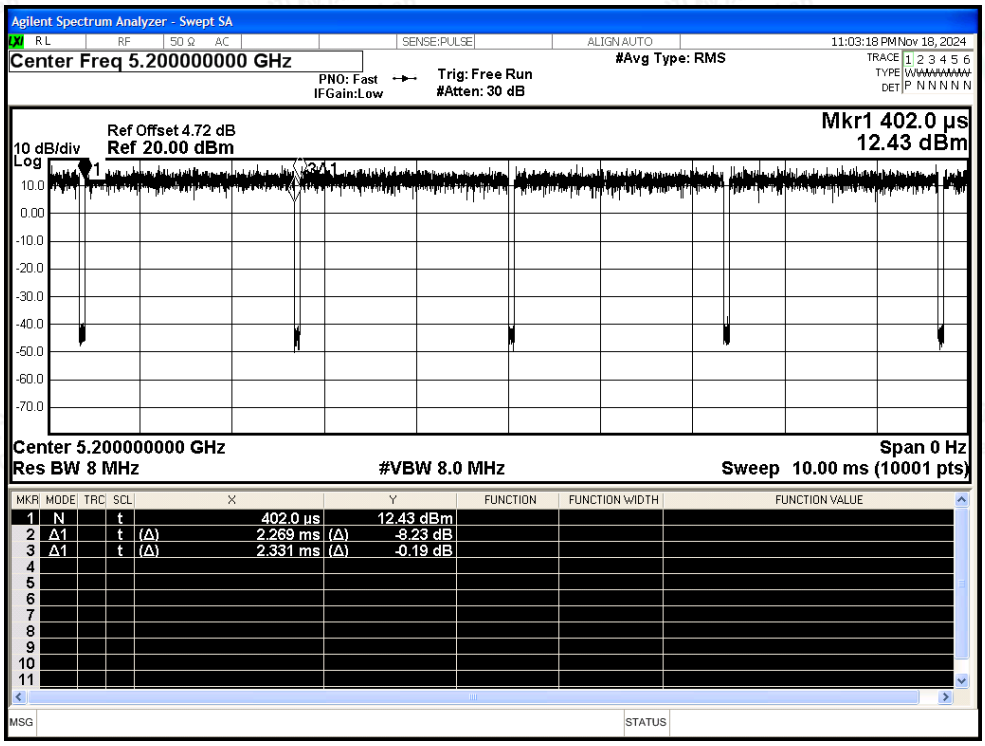
Duty Cycle NVNT n40 5230MHz Ant3



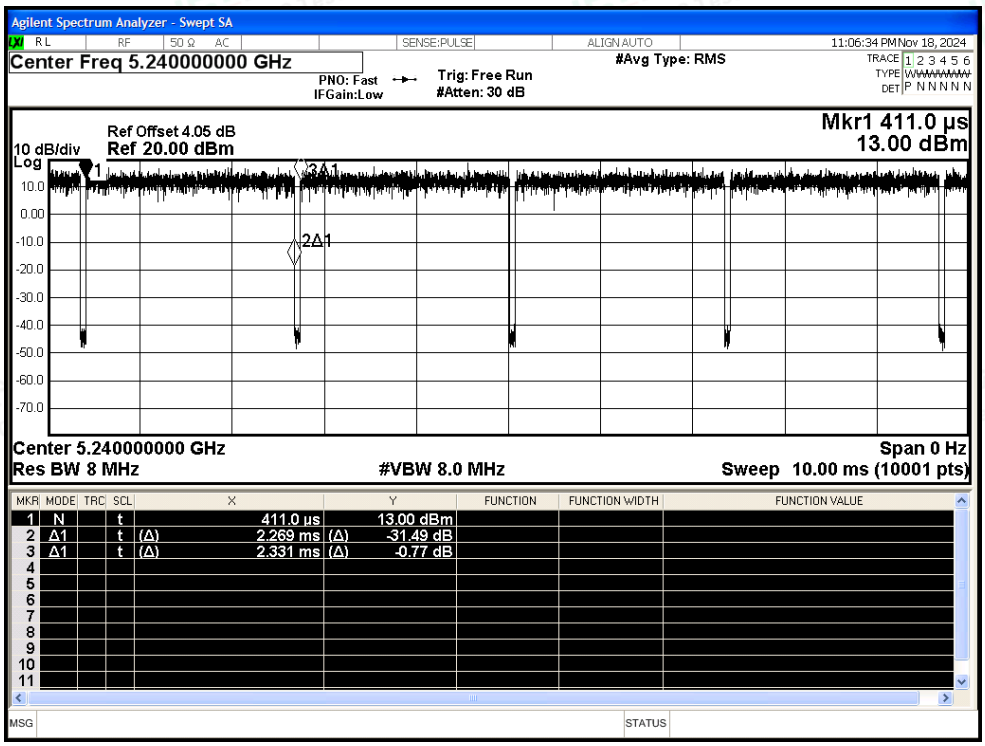
Duty Cycle NVNT ac20 5180MHz Ant3



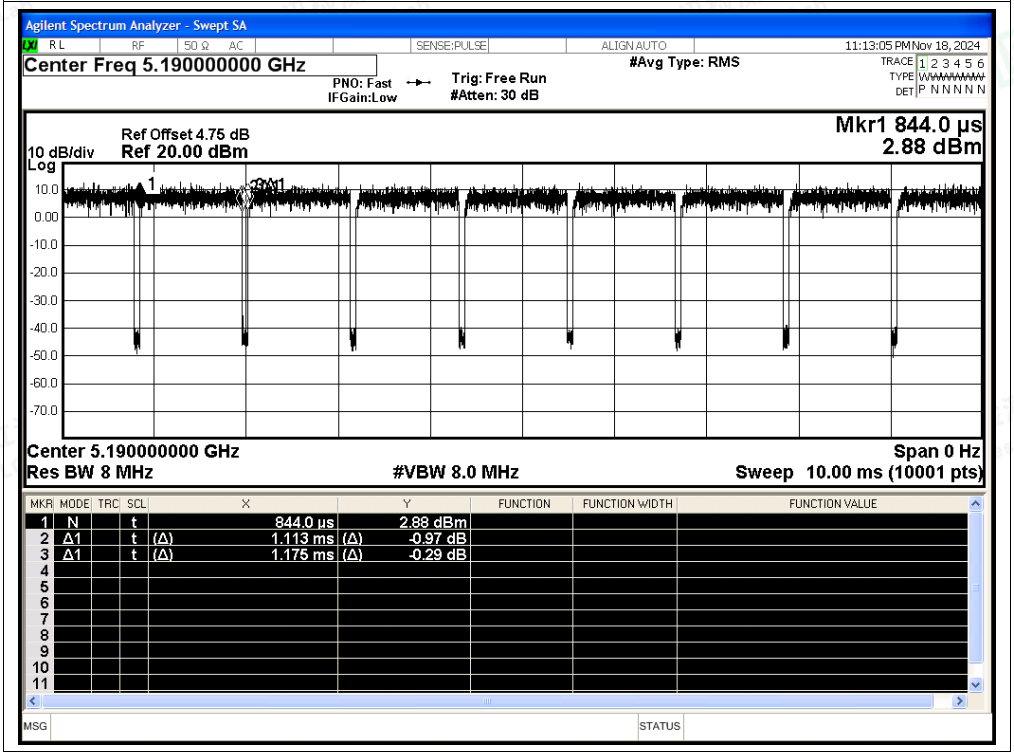
Duty Cycle NVNT ac20 5200MHz Ant3



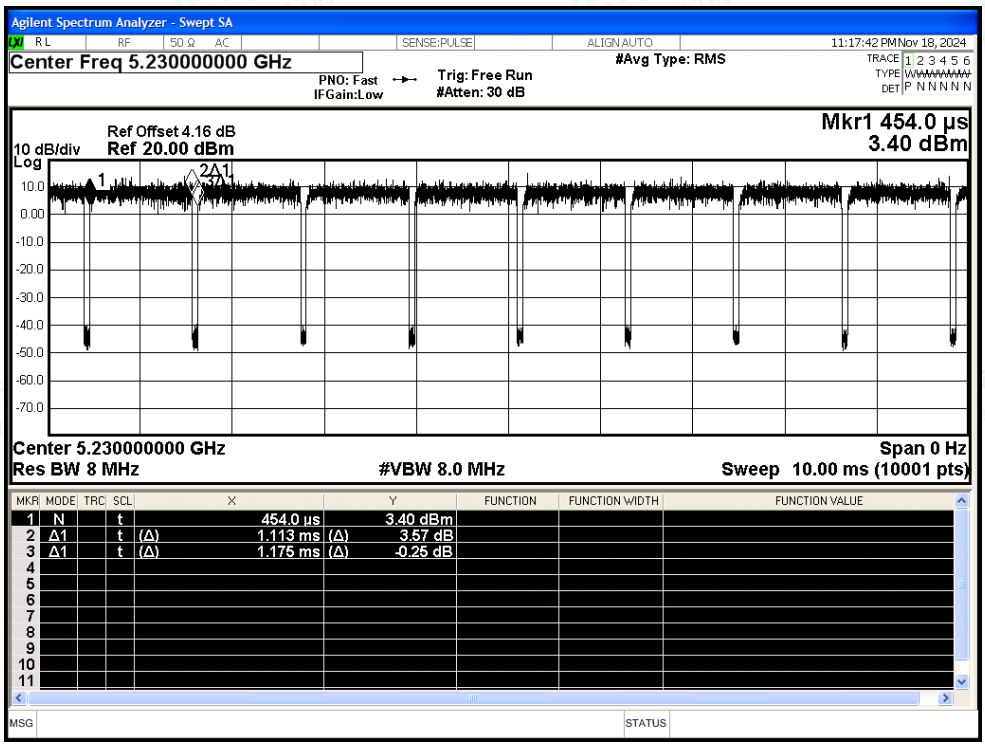
Duty Cycle NVNT ac20 5240MHz Ant3



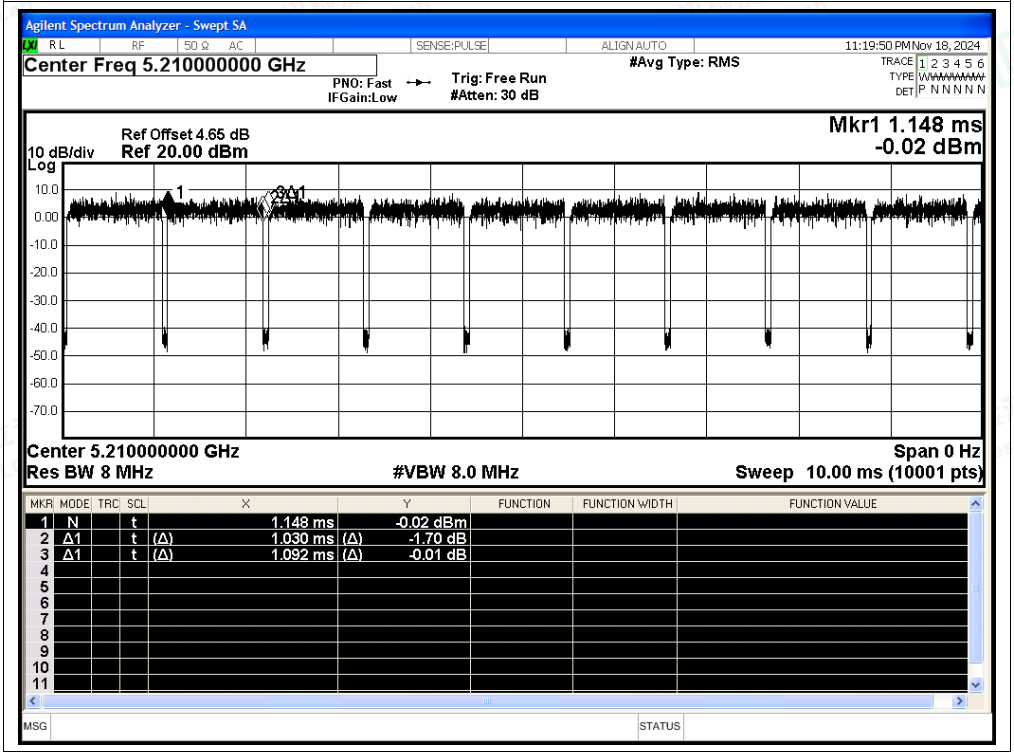
Duty Cycle NVNT ac40 5190MHz Ant3



Duty Cycle NVNT ac40 5230MHz Ant3



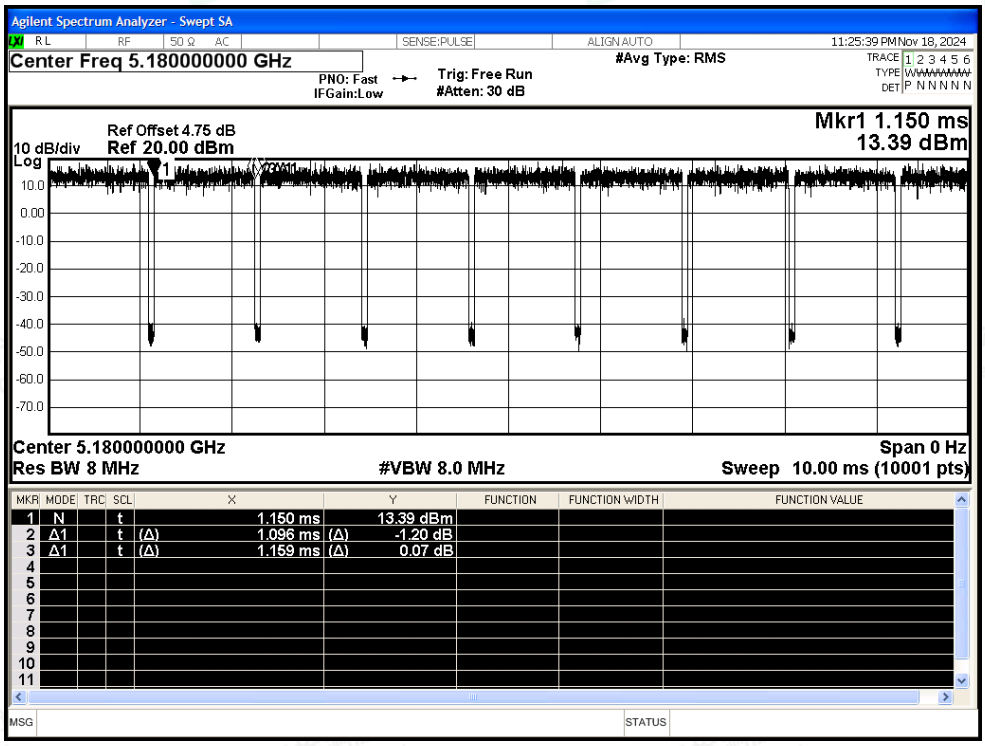
Duty Cycle NVNT ac80 5210MHz Ant3



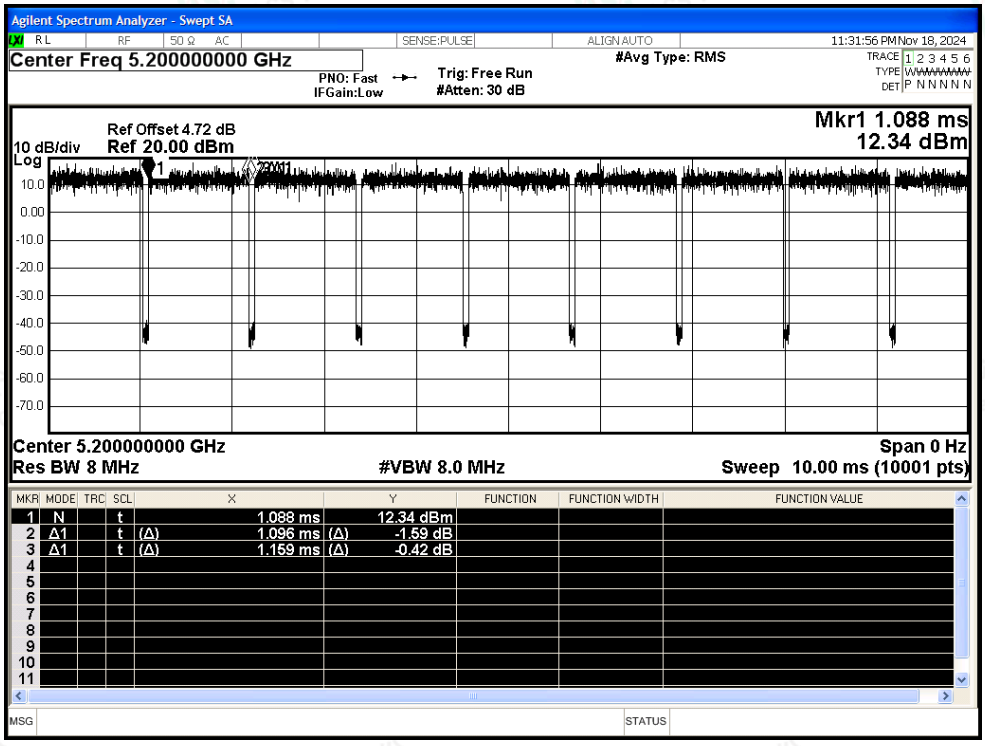
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant4	94.56	0.24	0.91
NVNT	a	5200	Ant4	94.56	0.24	0.91
NVNT	a	5240	Ant4	94.56	0.24	0.91
NVNT	n20	5180	Ant4	97.29	0.12	0.44
NVNT	n20	5200	Ant4	97.29	0.12	0.44
NVNT	n20	5240	Ant4	97.29	0.12	0.44
NVNT	n40	5190	Ant4	94.71	0.24	0.9
NVNT	n40	5230	Ant4	94.71	0.24	0.9
NVNT	ac20	5180	Ant4	97.3	0.12	0.44
NVNT	ac20	5200	Ant4	97.34	0.12	0.44
NVNT	ac20	5240	Ant4	97.34	0.12	0.44
NVNT	ac40	5190	Ant4	94.72	0.24	0.9
NVNT	ac40	5230	Ant4	94.72	0.24	0.9
NVNT	ac80	5210	Ant4	94.32	0.25	0.97

Test Graphs

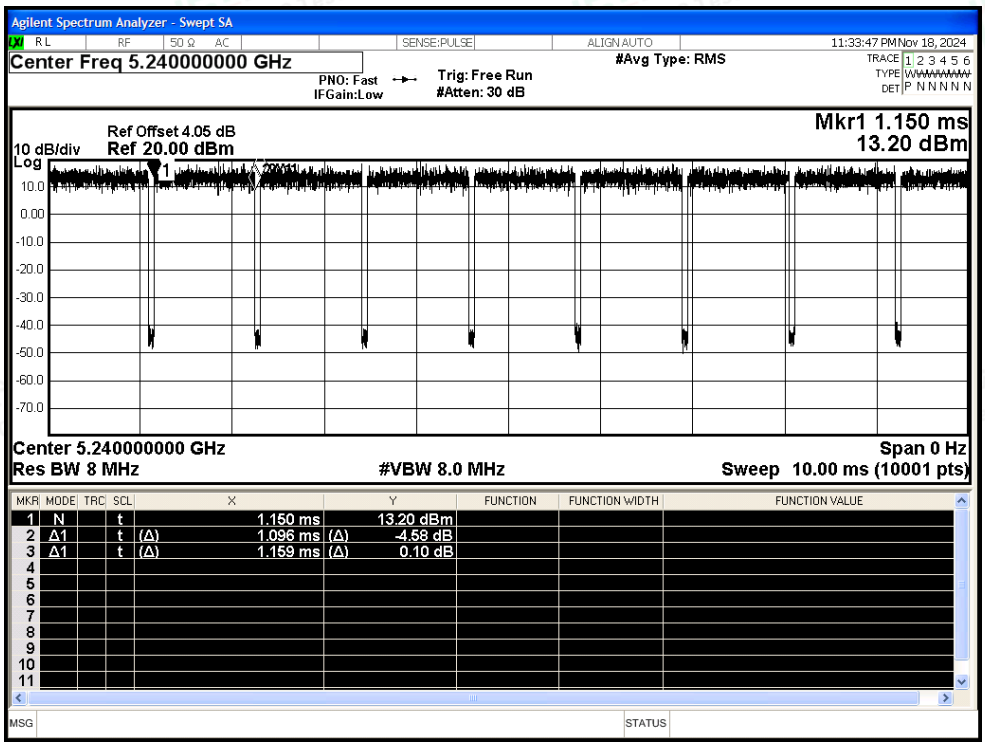
Duty Cycle NVNT a 5180MHz Ant4



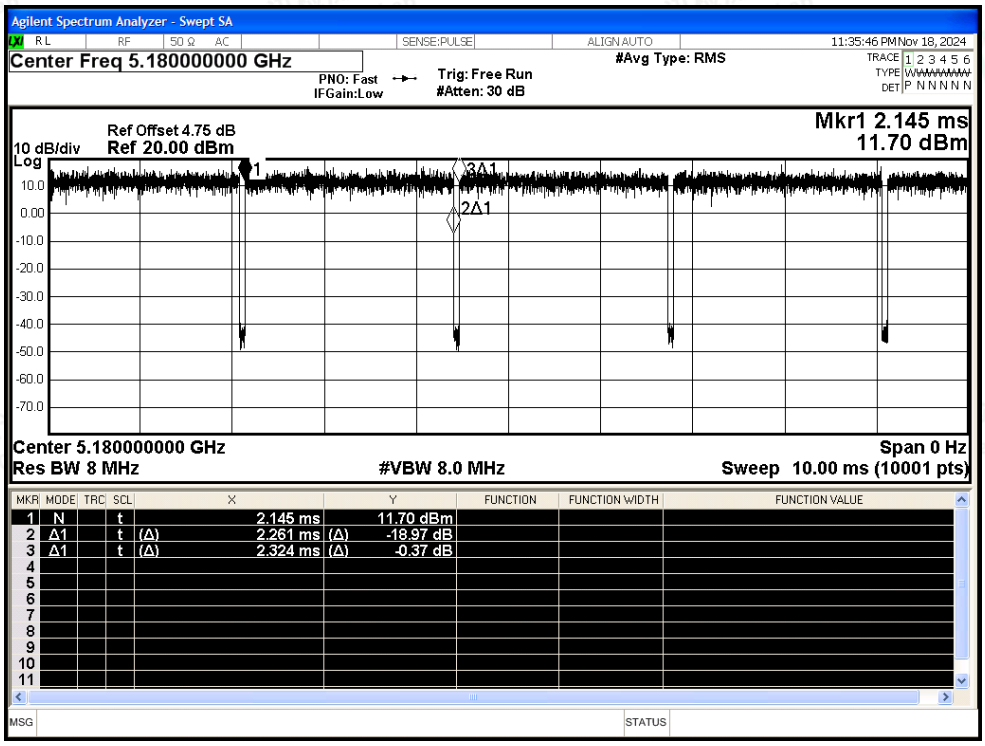
Duty Cycle NVNT a 5200MHz Ant4



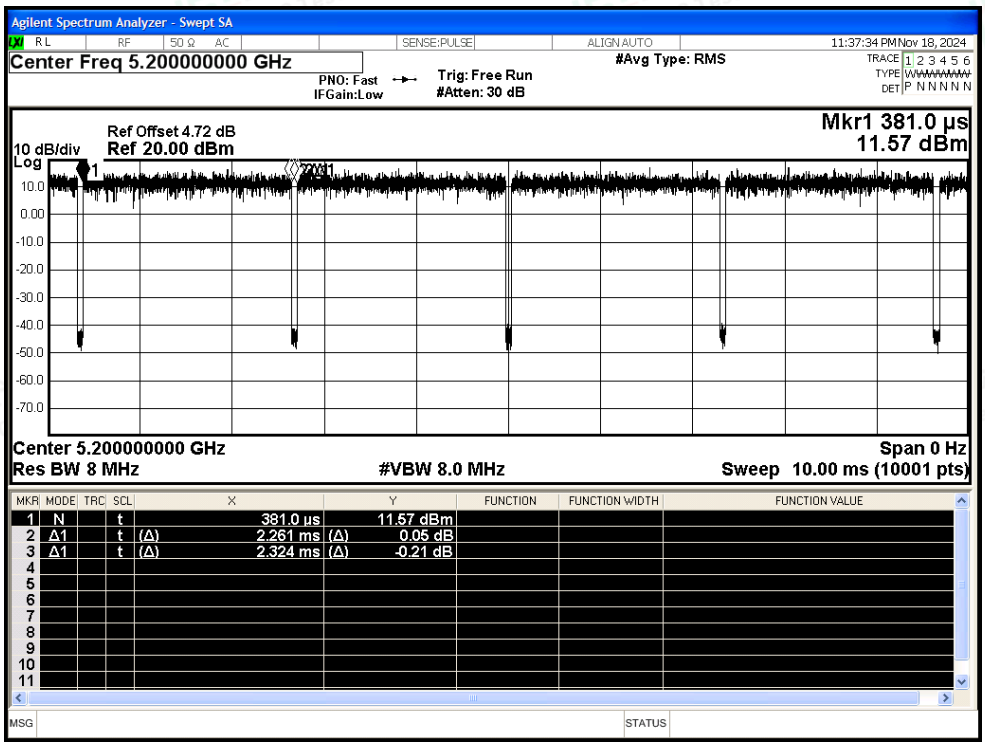
Duty Cycle NVNT a 5240MHz Ant4



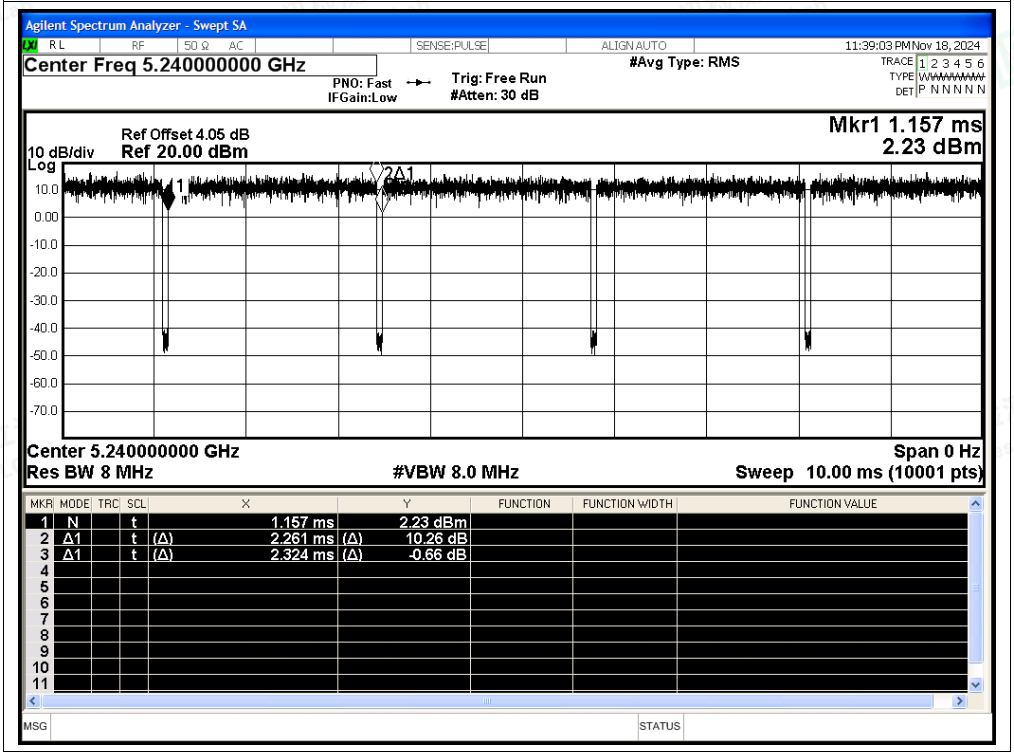
Duty Cycle NVNT n20 5180MHz Ant4



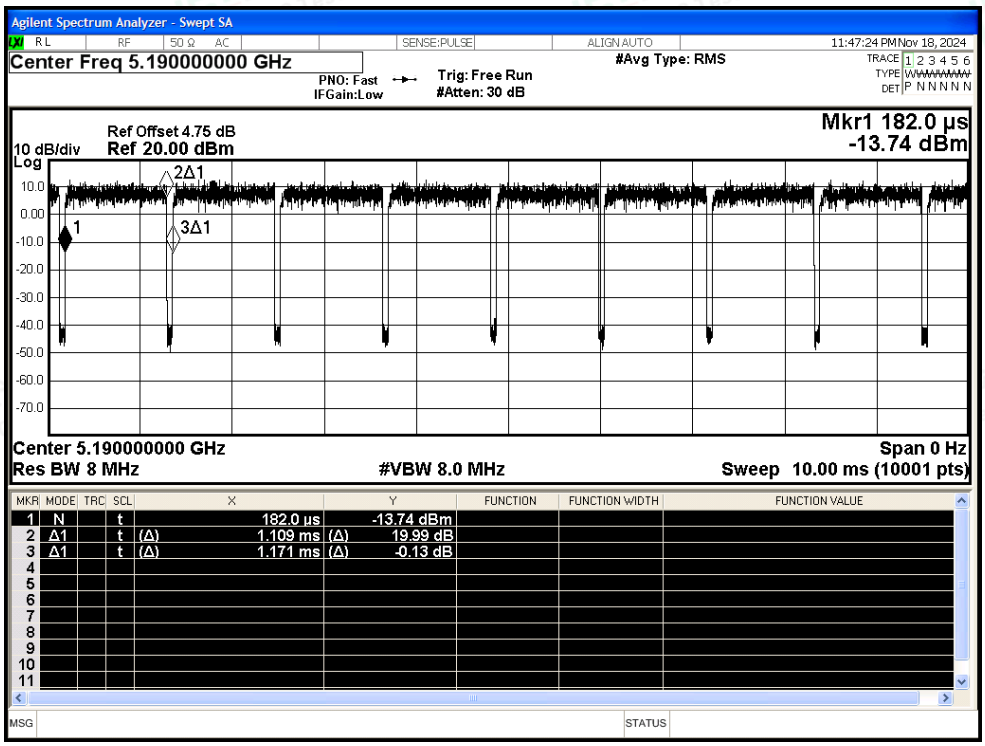
Duty Cycle NVNT n20 5200MHz Ant4



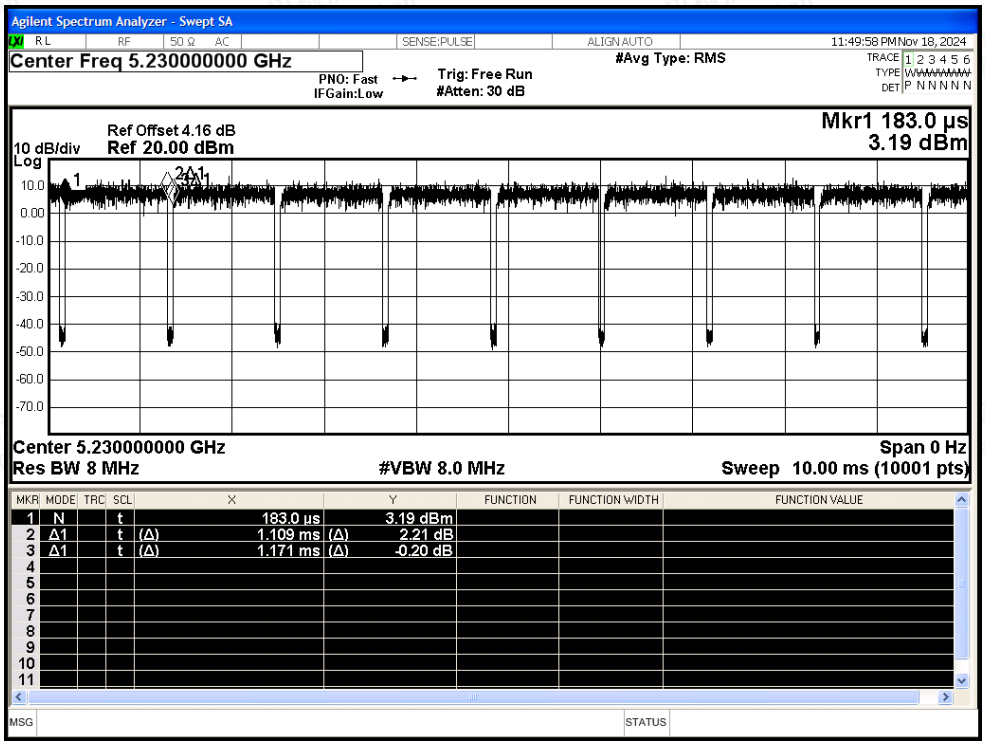
Duty Cycle NVNT n20 5240MHz Ant4



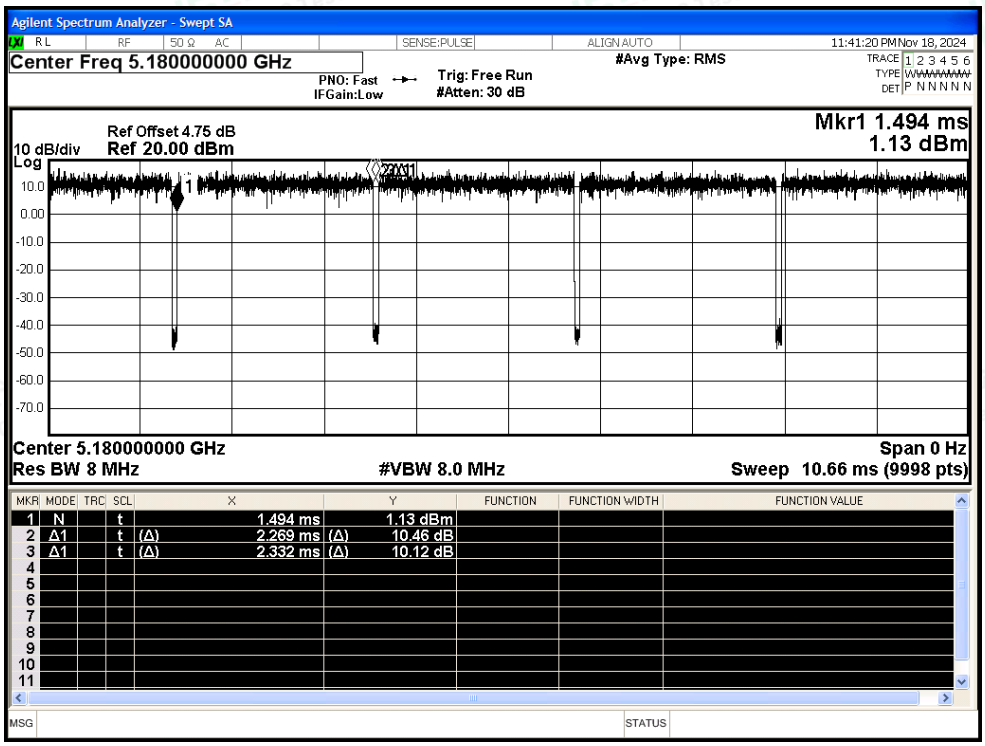
Duty Cycle NVNT n40 5190MHz Ant4



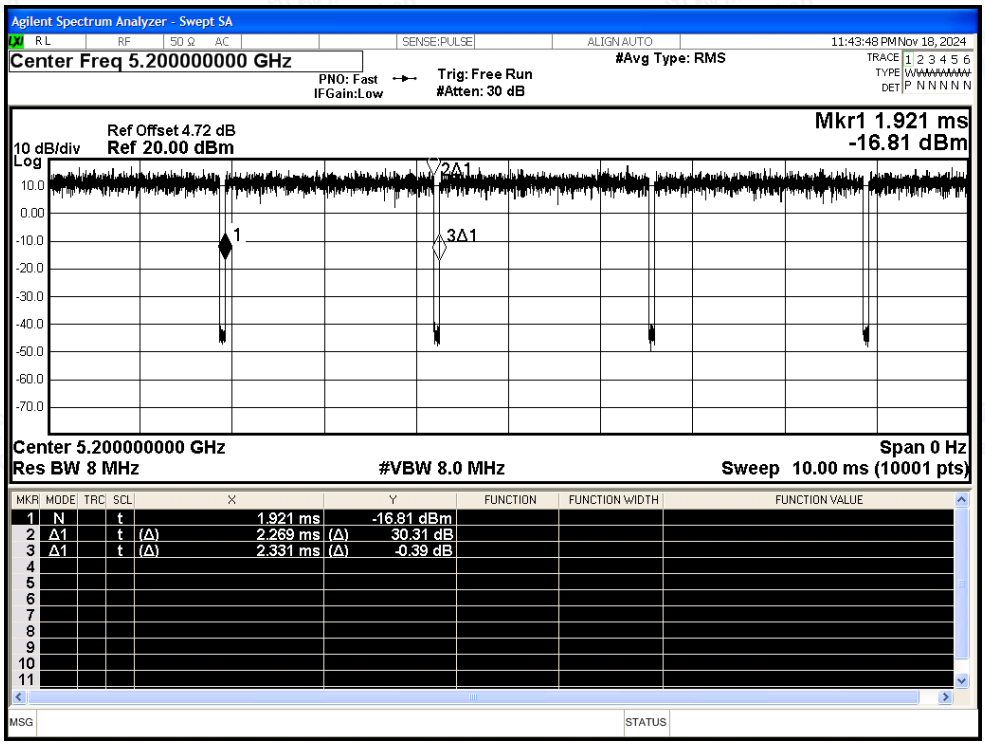
Duty Cycle NVNT n40 5230MHz Ant4



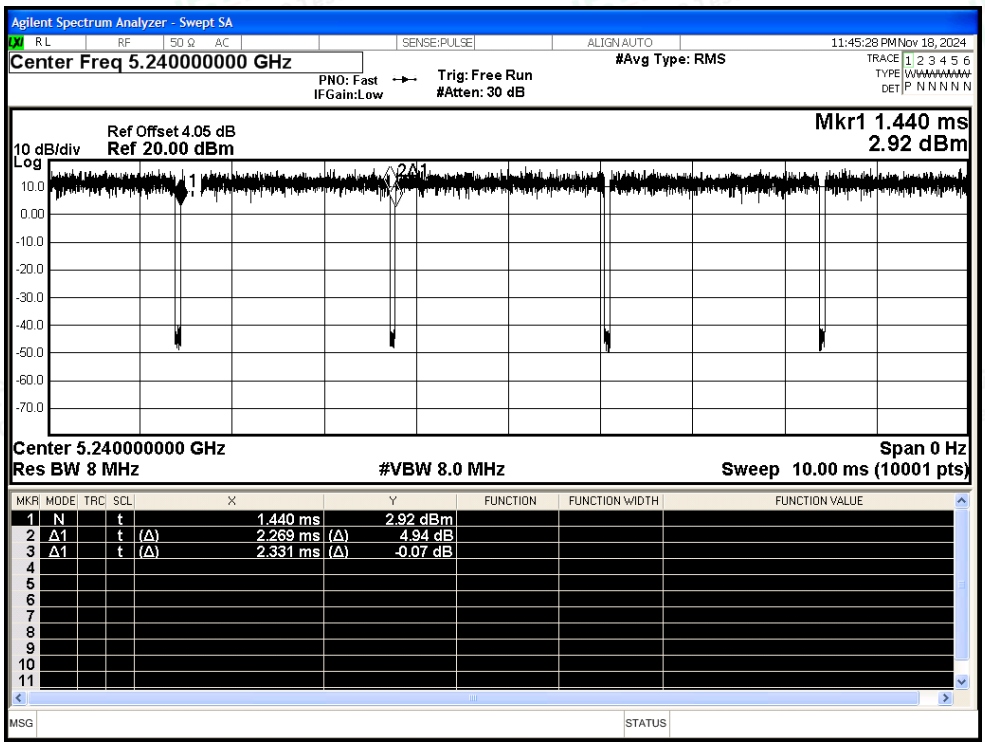
Duty Cycle NVNT ac20 5180MHz Ant4



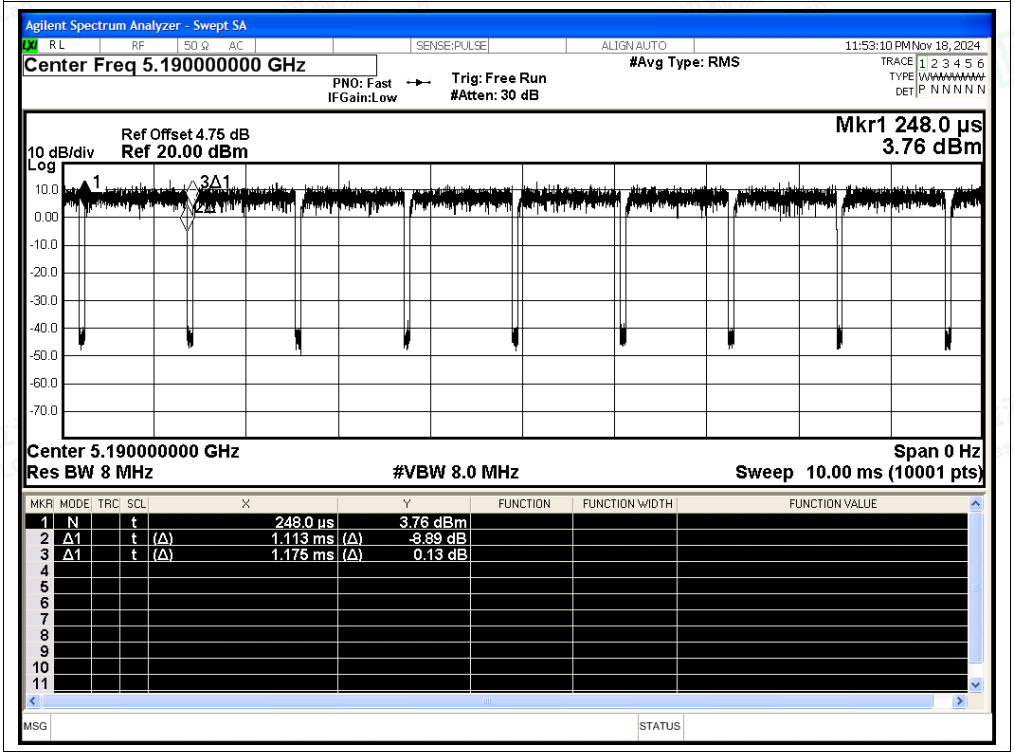
Duty Cycle NVNT ac20 5200MHz Ant4



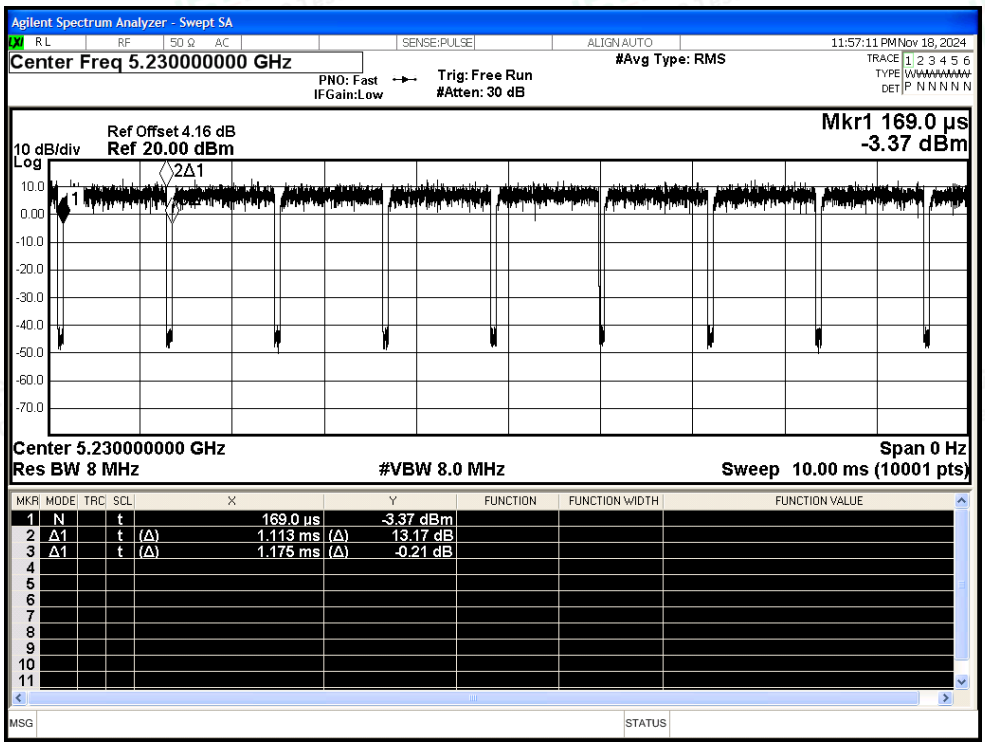
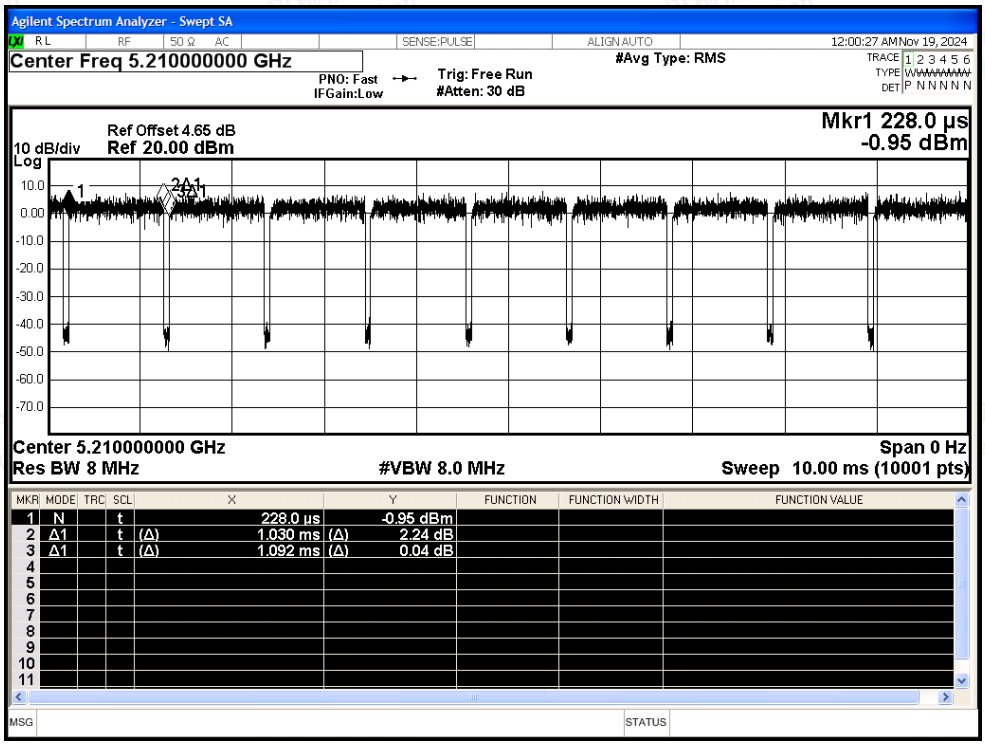
Duty Cycle NVNT ac20 5240MHz Ant4



Duty Cycle NVNT ac40 5190MHz Ant4



Duty Cycle NVNT ac40 5230MHz Ant4



Duty Cycle NVNT ac80 5210MHz Ant4