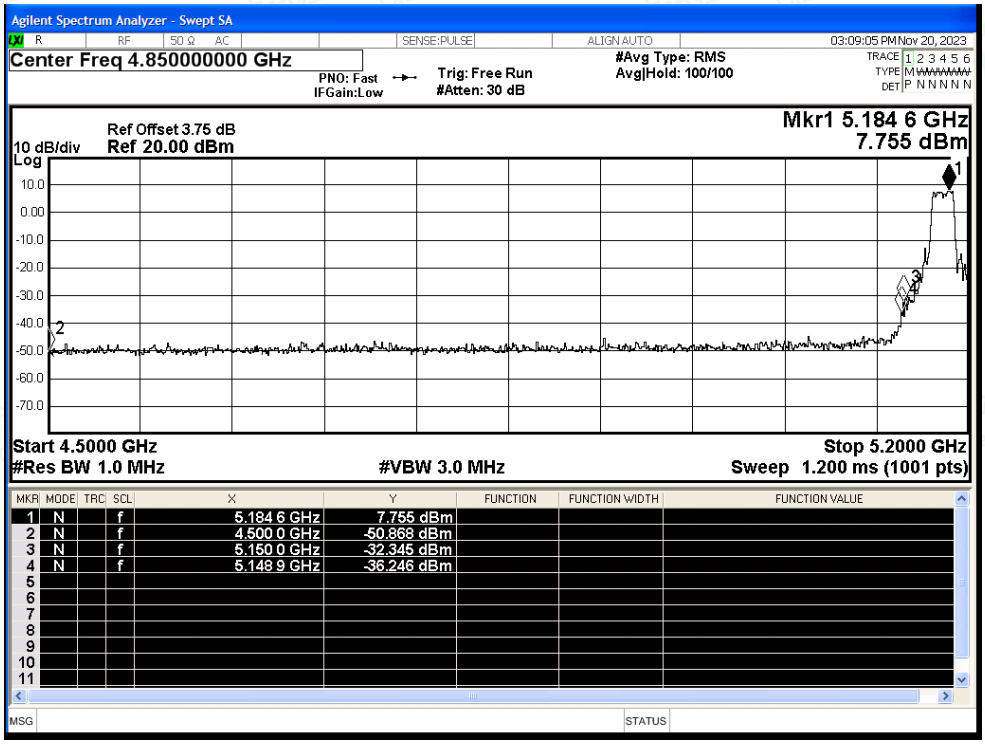
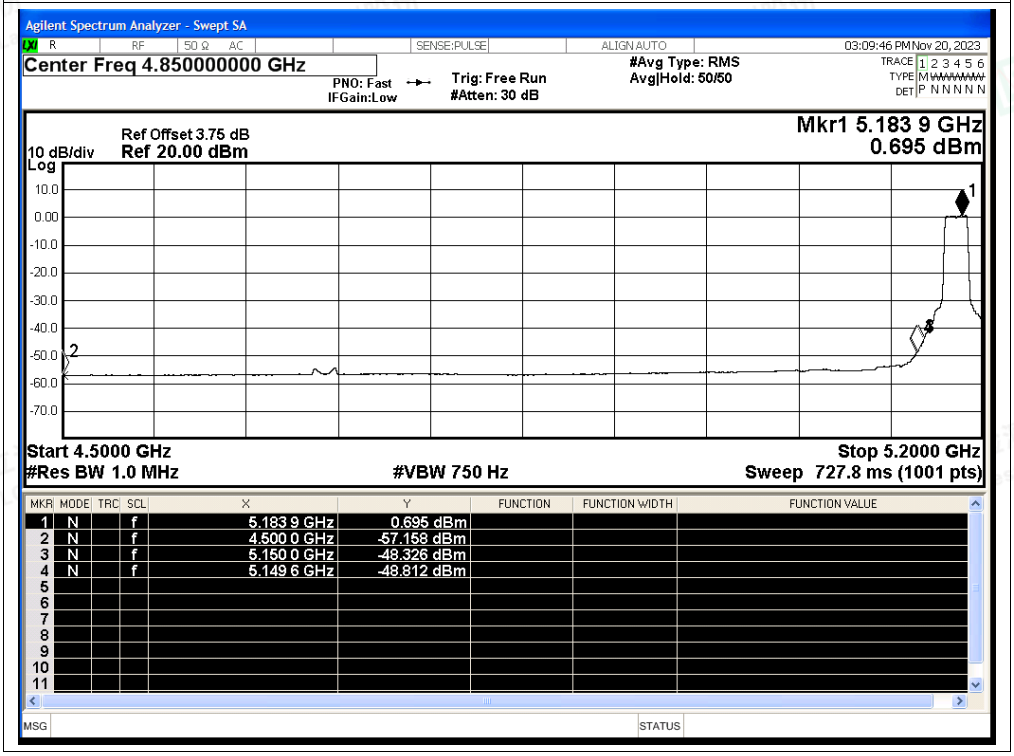
NVNT	ac20	5180	Ant1	5150	-38.25	2	58.98	Peak	68.2	Pass
NVNT	ac20	5180	Ant1	5150	-47.98	2	49.25	Average	54	Pass
NVNT	ac20	5240	Ant1	5350	-50.31	2	46.92	Peak	68.2	Pass
NVNT	ac20	5240	Ant1	5350	-56.83	2	40.4	Average	54	Pass
NVNT	ac20	5240	Ant1	5378.64	-47.15	2	50.08	Peak	68.2	Pass
NVNT	ac20	5240	Ant1	5350.56	-56.65	2	40.58	Average	54	Pass
NVNT	ac20	5240	Ant1	5460	-50.7	2	46.53	Peak	68.2	Pass
NVNT	ac20	5240	Ant1	5460	-57.21	2	40.02	Average	54	Pass
NVNT	ac40	5190	Ant1	4500	-49.71	2	47.52	Peak	68.2	Pass
NVNT	ac40	5190	Ant1	4500	-56.88	2	40.35	Average	54	Pass
NVNT	ac40	5190	Ant1	5149.7	-36.35	2	60.88	Peak	68.2	Pass
NVNT	ac40	5190	Ant1	5148.97	-46.43	2	50.8	Average	54	Pass
NVNT	ac40	5190	Ant1	5150	-36.35	2	60.88	Peak	68.2	Pass
NVNT	ac40	5190	Ant1	5150	-46.64	2	50.59	Average	54	Pass
NVNT	ac40	5230	Ant1	5350	-51.88	2	45.35	Peak	68.2	Pass
NVNT	ac40	5230	Ant1	5350	-56.41	2	40.82	Average	54	Pass
NVNT	ac40	5230	Ant1	5398.71	-46.99	2	50.24	Peak	68.2	Pass
NVNT	ac40	5230	Ant1	5350.11	-56.41	2	40.82	Average	54	Pass
NVNT	ac40	5230	Ant1	5460	-50.54	2	46.69	Peak	68.2	Pass
NVNT	ac40	5230	Ant1	5460	-56.85	2	40.38	Average	54	Pass
NVNT	ac80	5210	Ant1	5350	-49.81	2	47.42	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	5350	-55.56	2	41.67	Average	54	Pass
NVNT	ac80	5210	Ant1	5424.03	-47.12	2	50.11	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	5381.79	-55.3	2	41.93	Average	54	Pass
NVNT	ac80	5210	Ant1	5460	-48.26	2	48.97	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	5460	-55.65	2	41.58	Average	54	Pass
NVNT	ac80	5210	Ant1	4500	-49.69	2	47.54	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	4500	-56.84	2	40.39	Average	54	Pass
NVNT	ac80	5210	Ant1	5149.38	-39.01	2	58.22	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	5147.8	-47.64	2	49.59	Average	54	Pass
NVNT	ac80	5210	Ant1	5150	-40.07	2	57.16	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	5150	-47.89	2	49.34	Average	54	Pass

Test Graphs

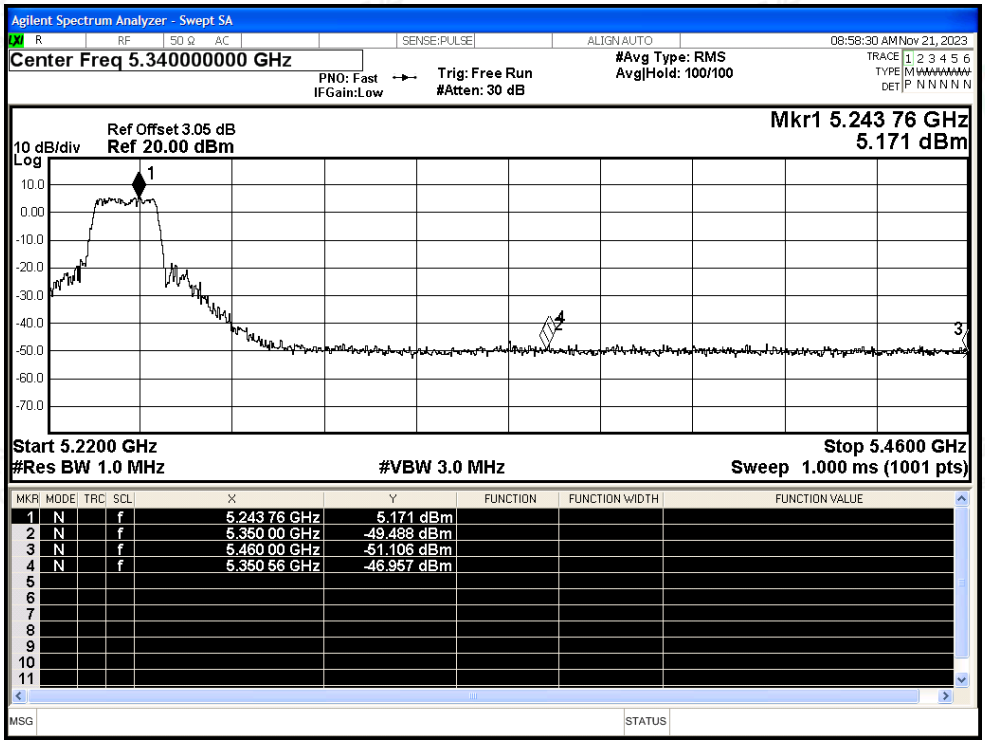
Restrict Band NVNT a 5180MHz Ant1 Peak



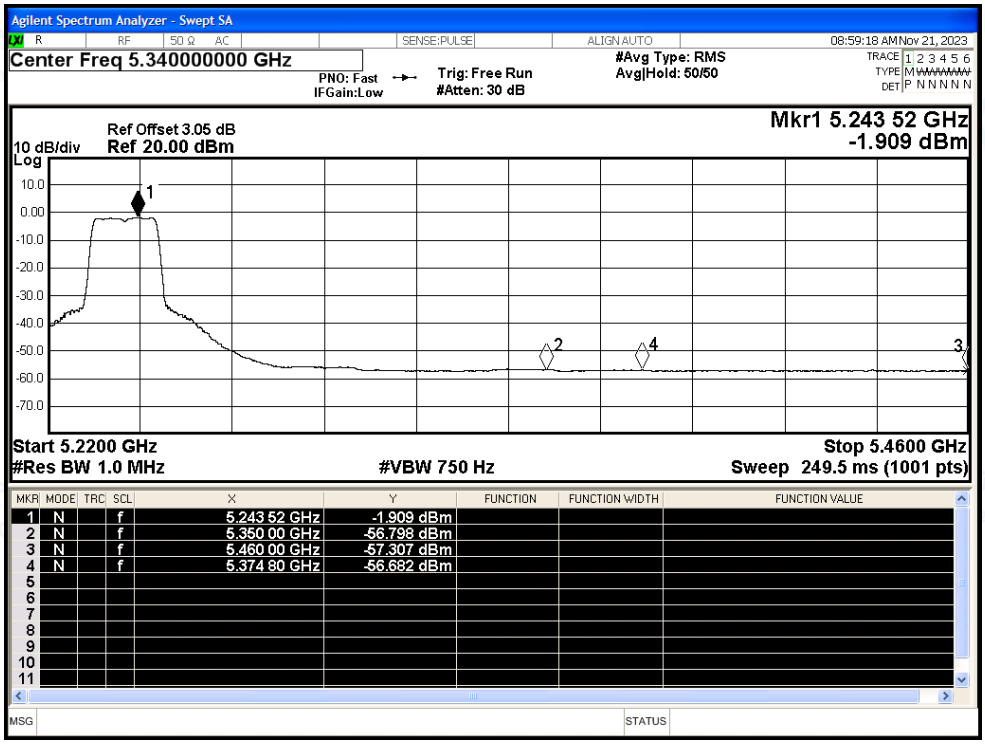
Restrict Band NVNT a 5180MHz Ant1 Average



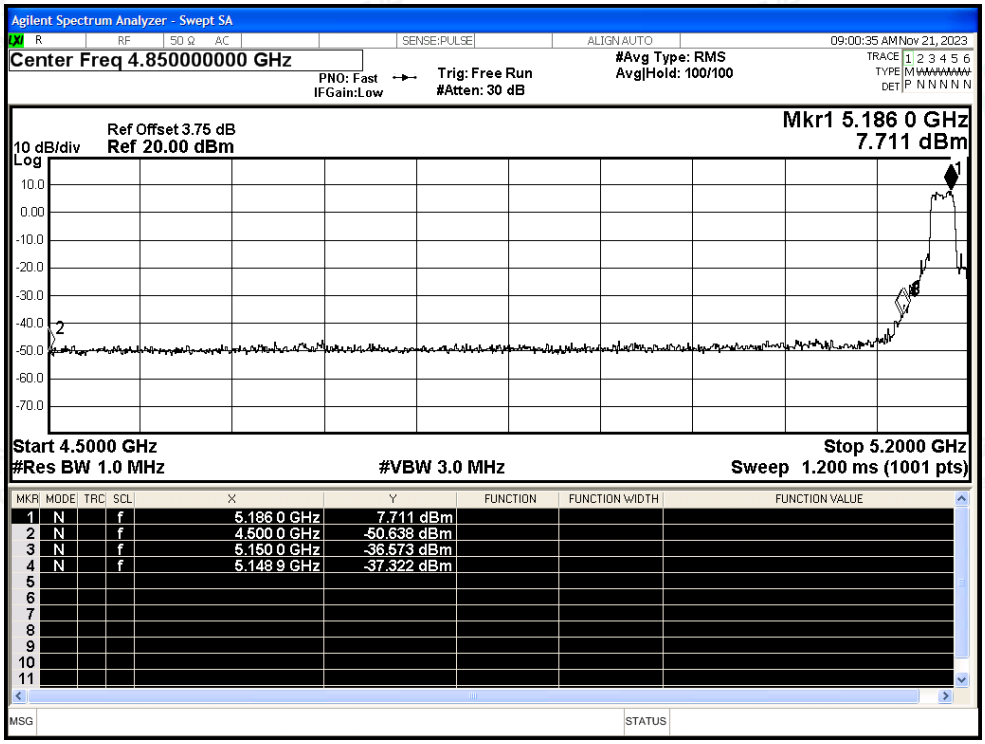
Restrict Band NVNT a 5240MHz Ant1 Peak



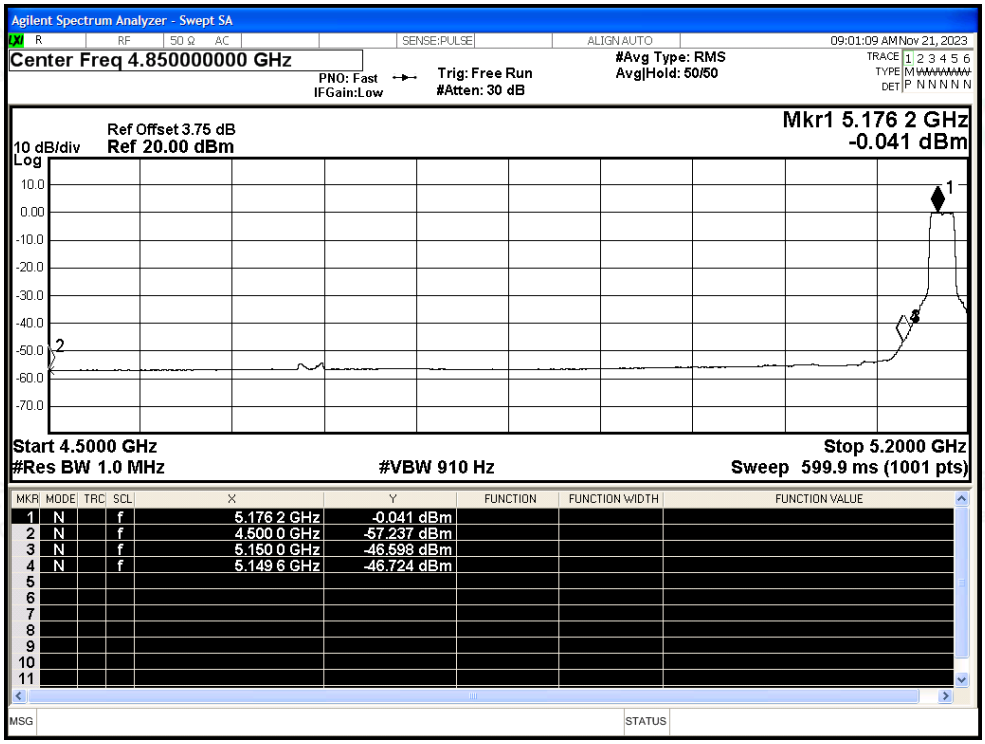
Restrict Band NVNT a 5240MHz Ant1 Average



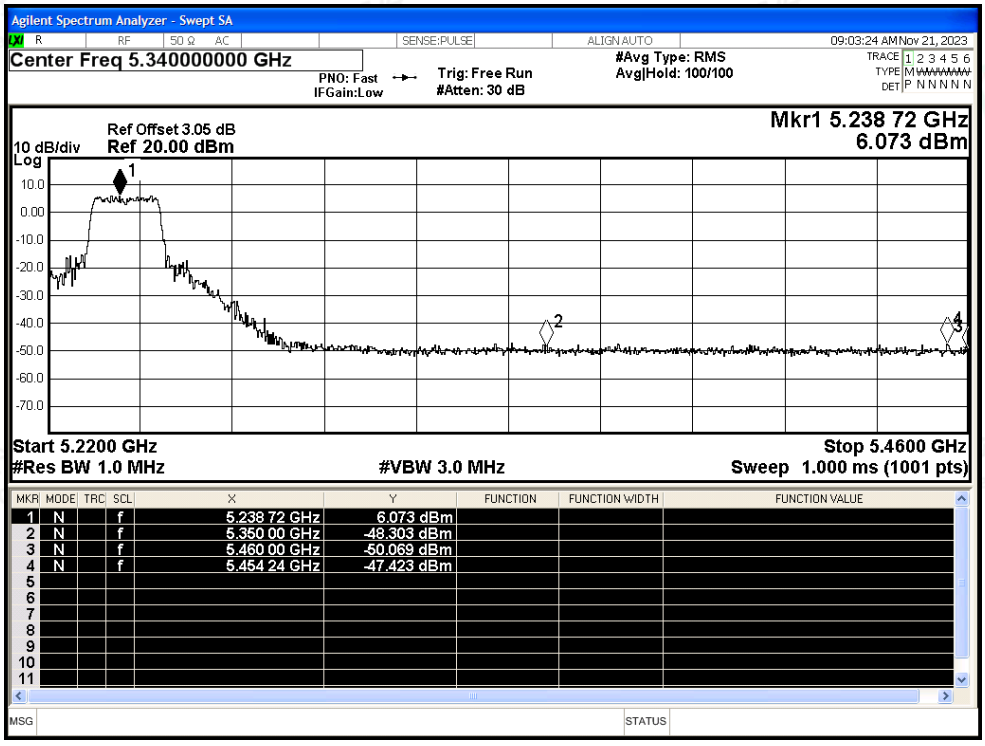
Restrict Band NVNT n20 5180MHz Ant1 Peak



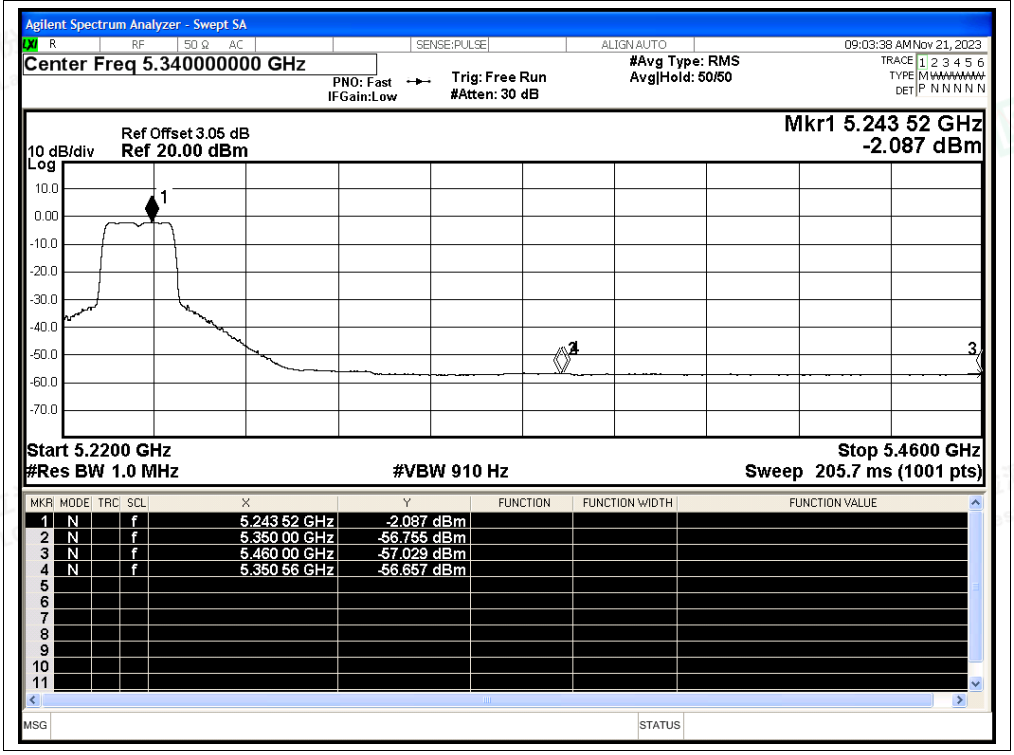
Restrict Band NVNT n20 5180MHz Ant1 Average



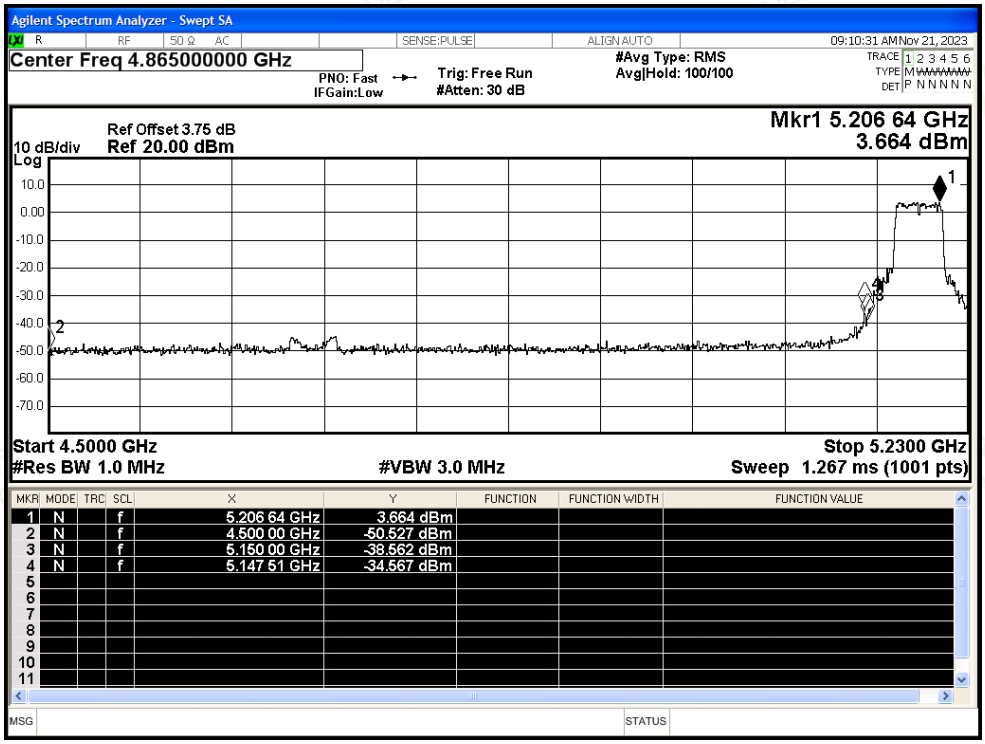
Restrict Band NVNT n20 5240MHz Ant1 Peak



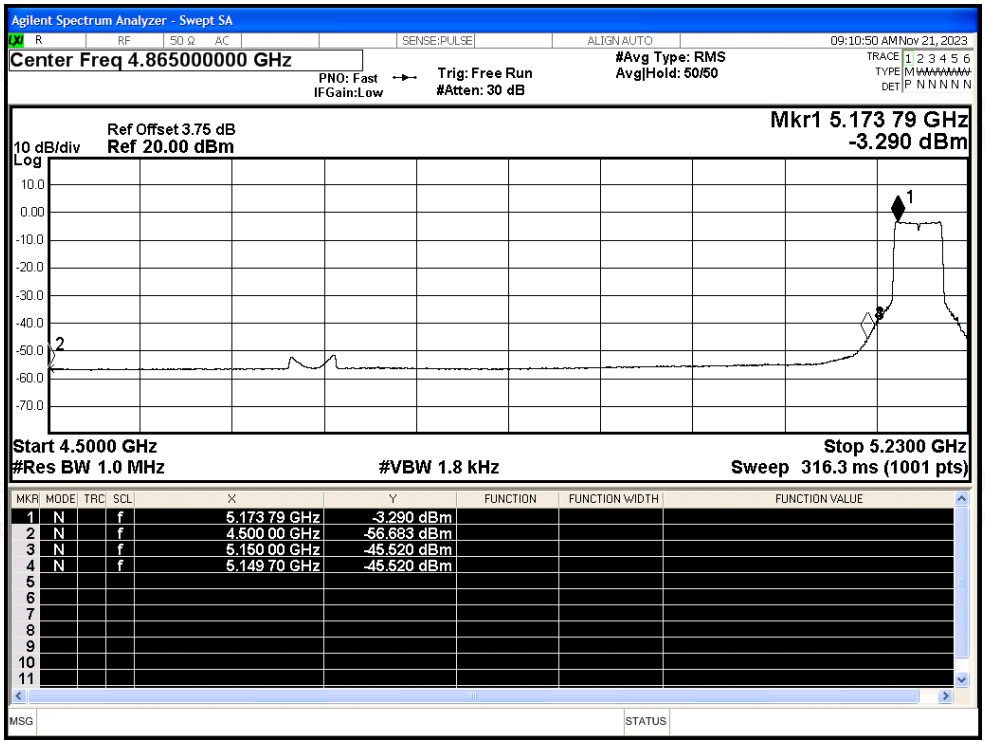
Restrict Band NVNT n20 5240MHz Ant1 Average



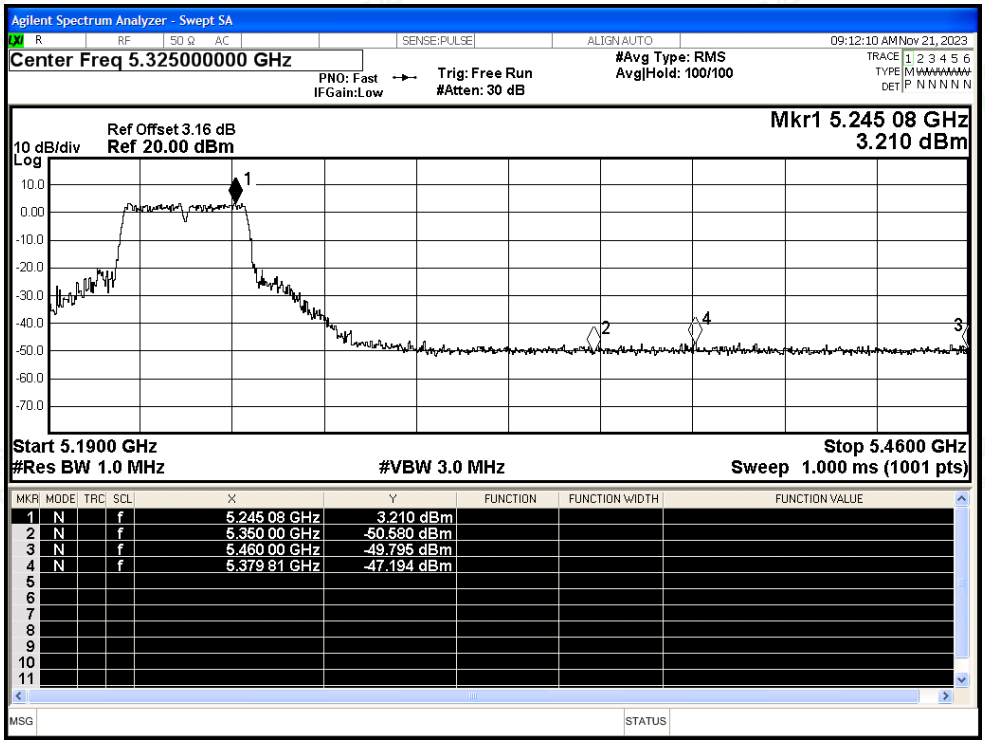
Restrict Band NVNT n40 5190MHz Ant1 Peak



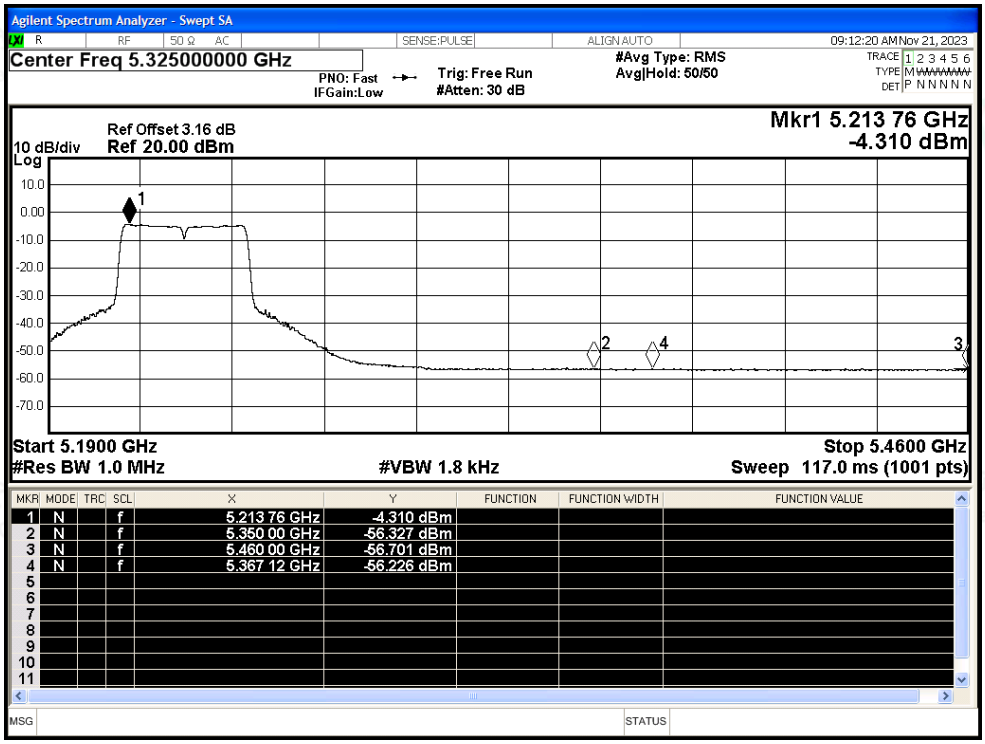
Restrict Band NVNT n40 5190MHz Ant1 Average



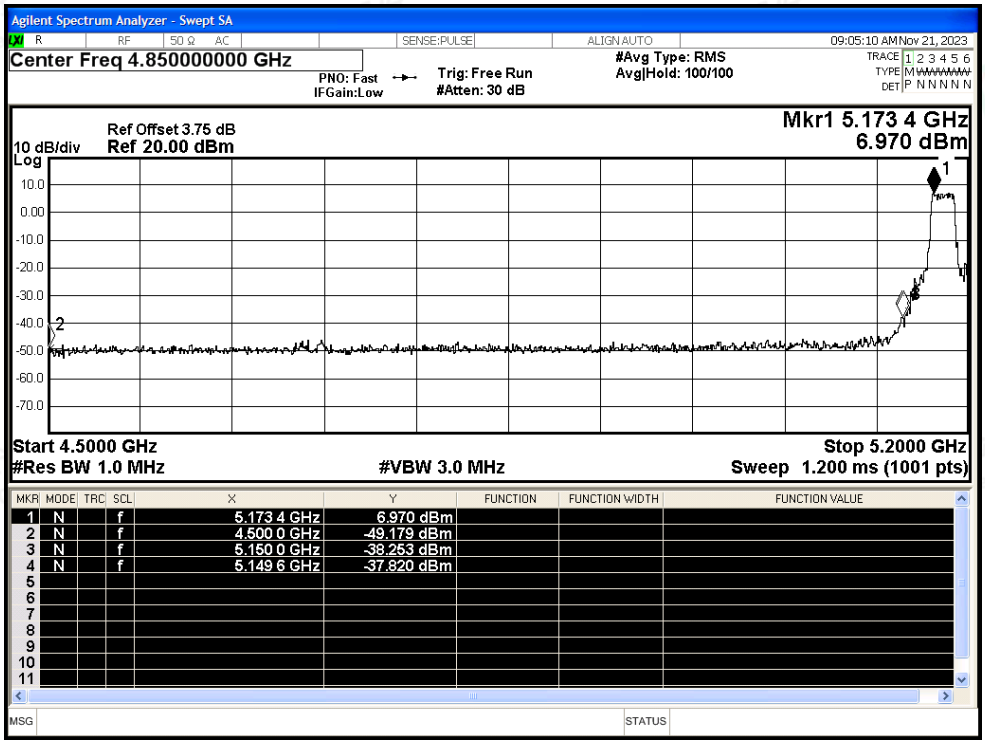
Restrict Band NVNT n40 5230MHz Ant1 Peak



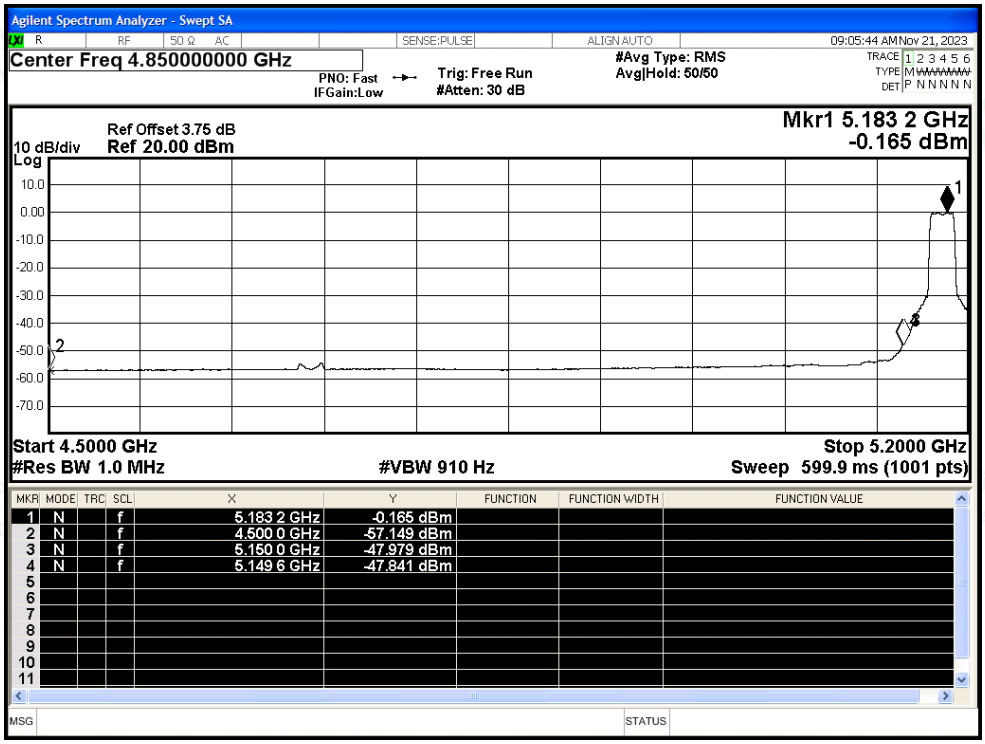
Restrict Band NVNT n40 5230MHz Ant1 Average



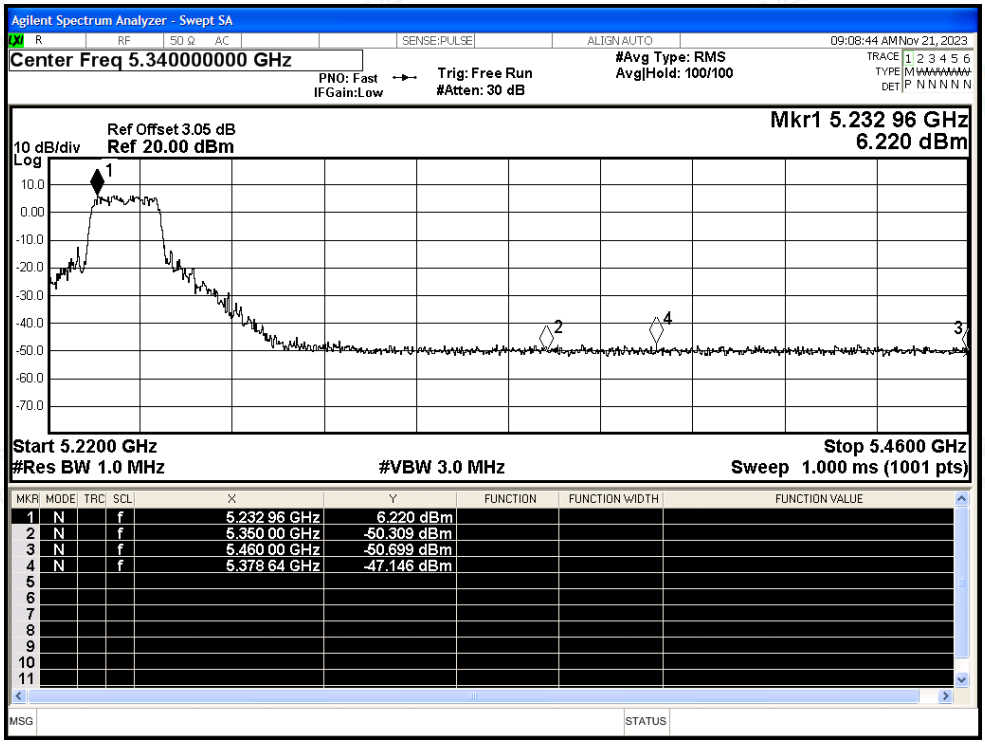
Restrict Band NVNT ac20 5180MHz Ant1 Peak



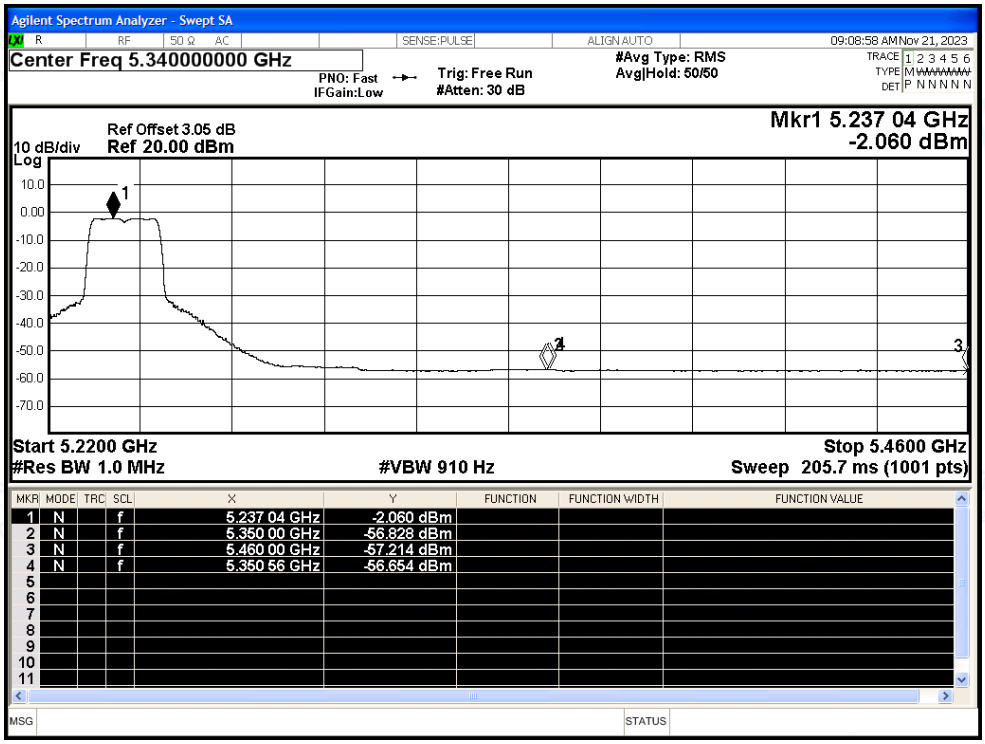
Restrict Band NVNT ac20 5180MHz Ant1 Average



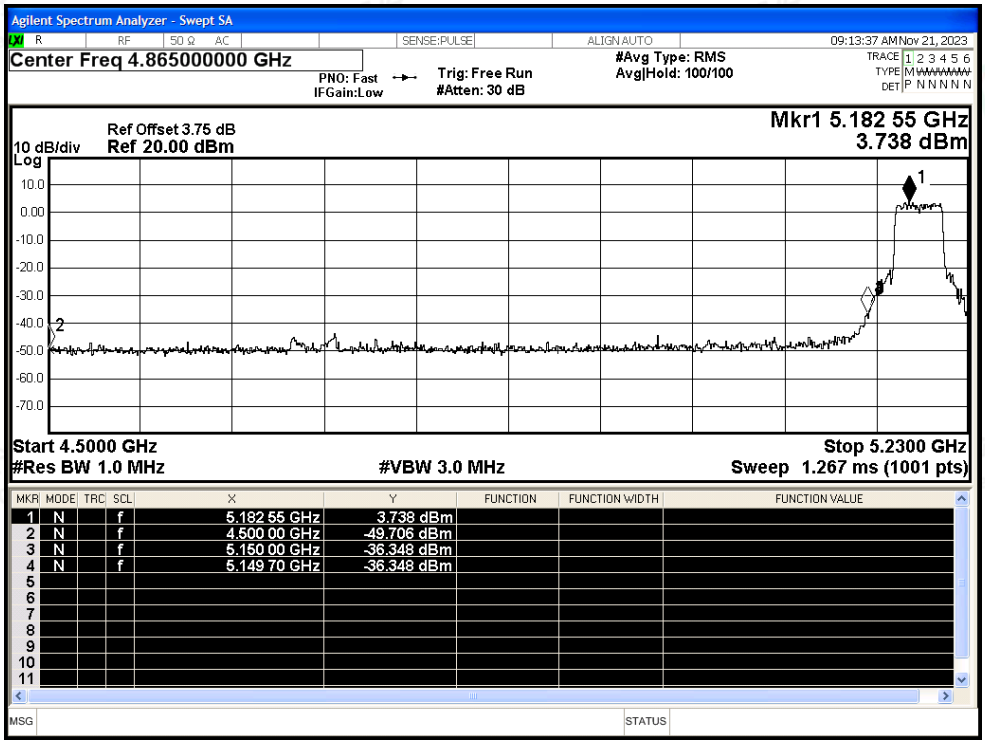
Restrict Band NVNT ac20 5240MHz Ant1 Peak



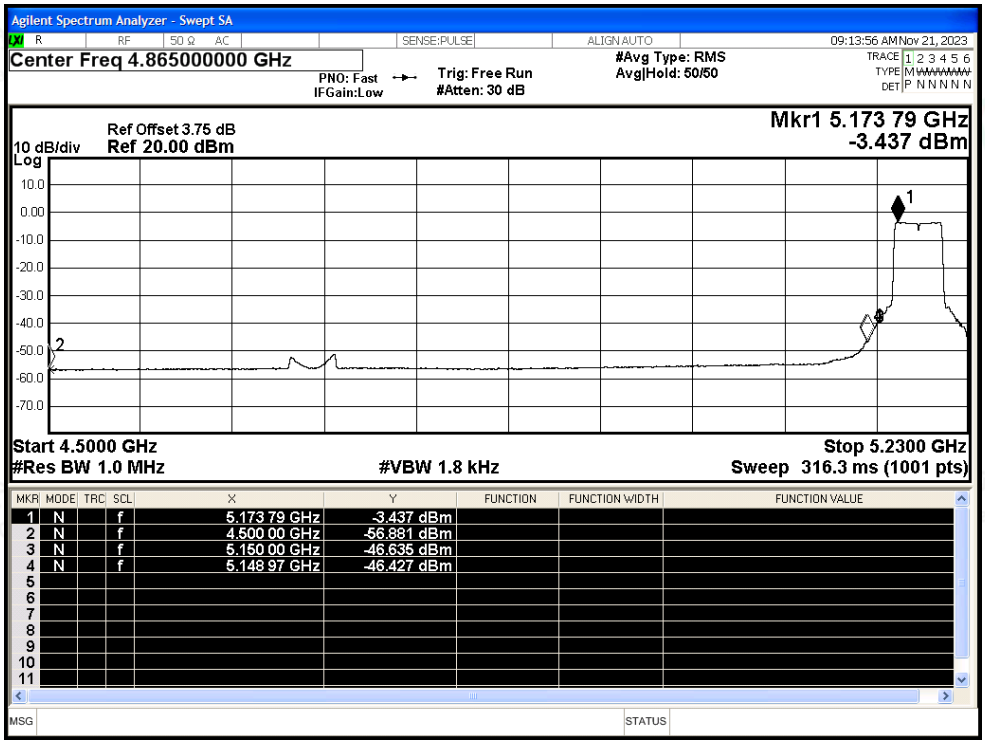
Restrict Band NVNT ac20 5240MHz Ant1 Average



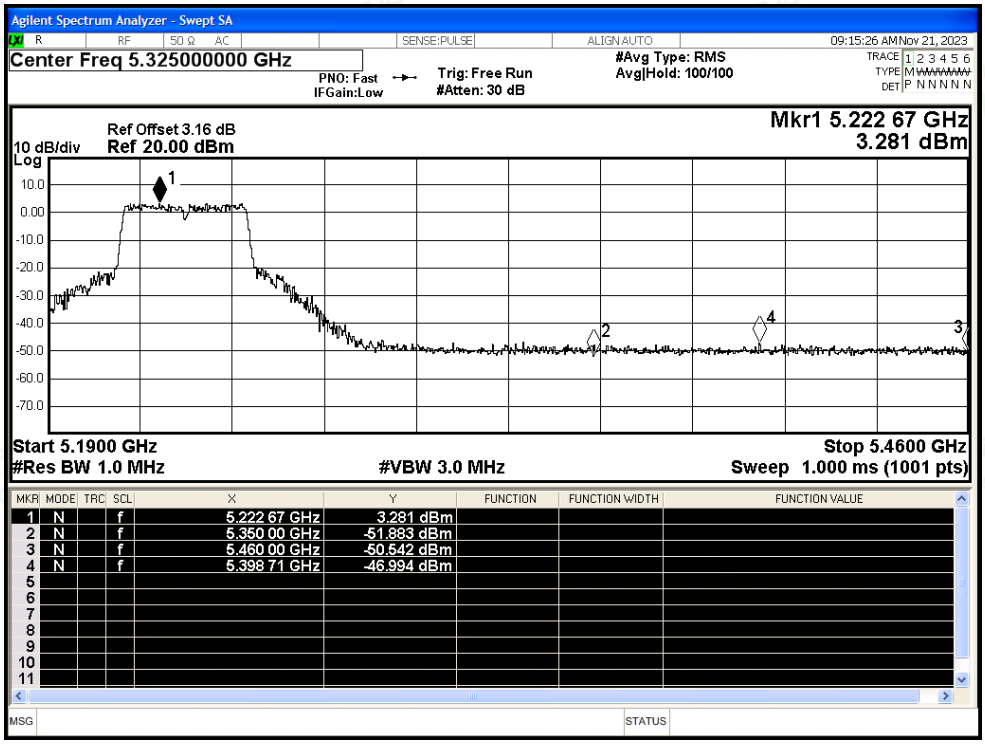
Restrict Band NVNT ac40 5190MHz Ant1 Peak



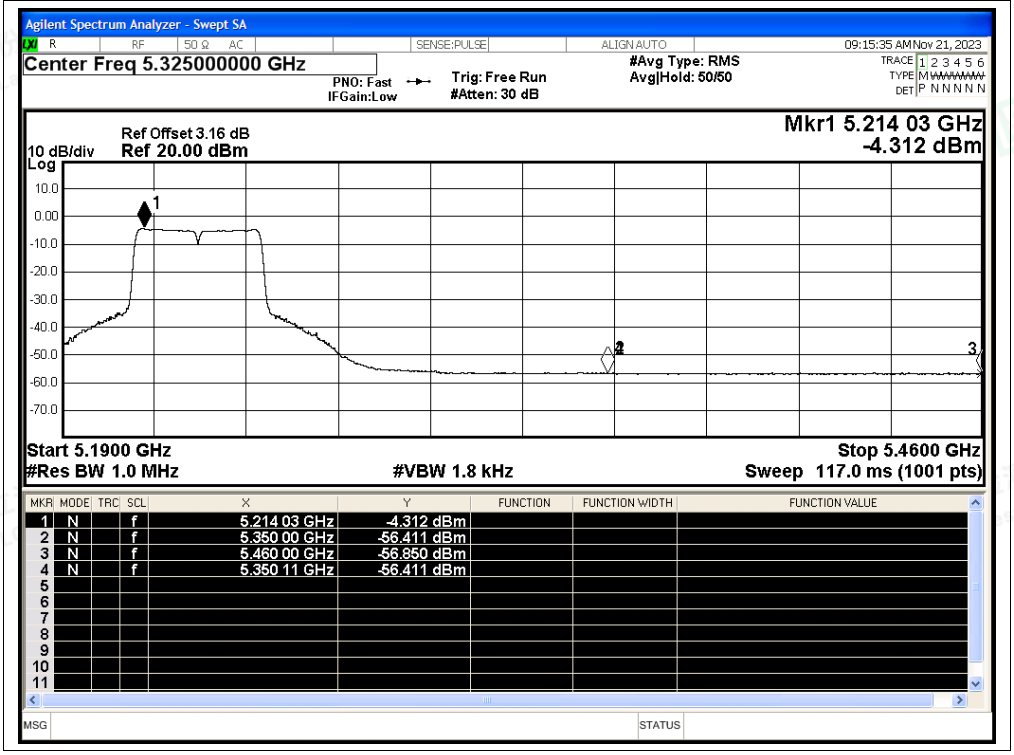
Restrict Band NVNT ac40 5190MHz Ant1 Average



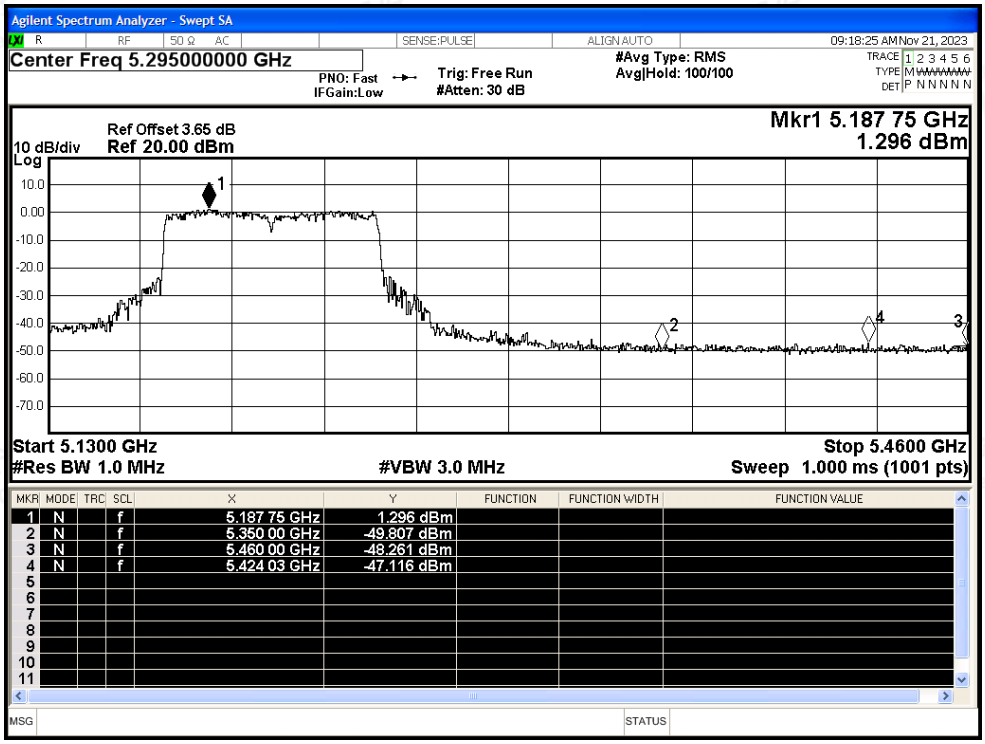
Restrict Band NVNT ac40 5230MHz Ant1 Peak



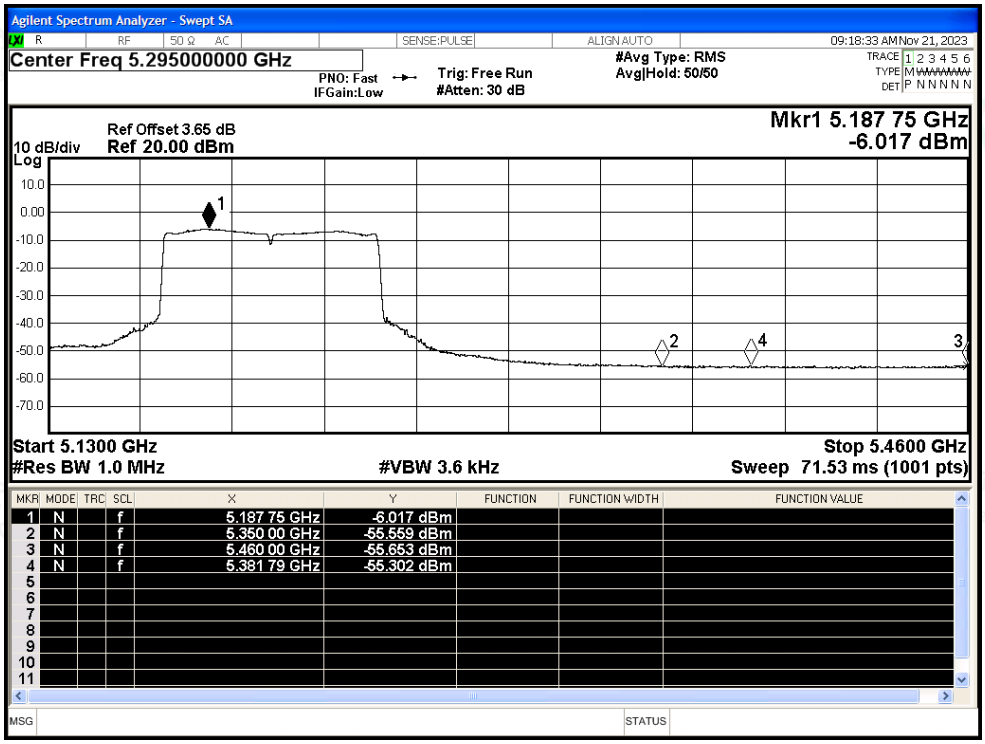
Restrict Band NVNT ac40 5230MHz Ant1 Average



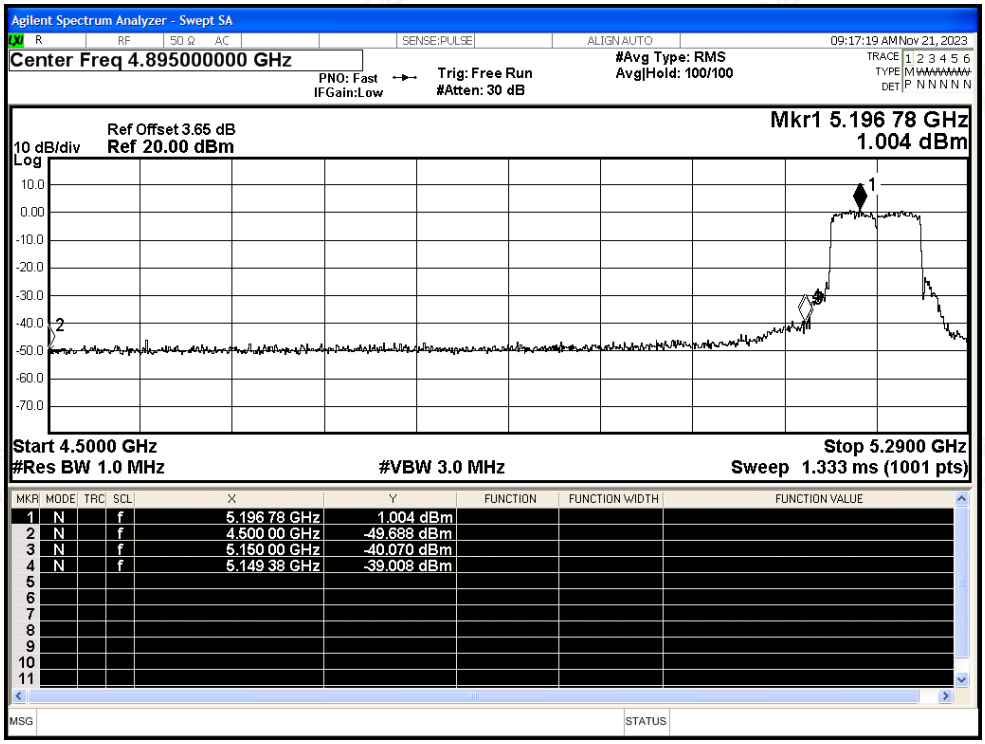
Restrict Band NVNT ac80 5210MHz Ant1 Peak



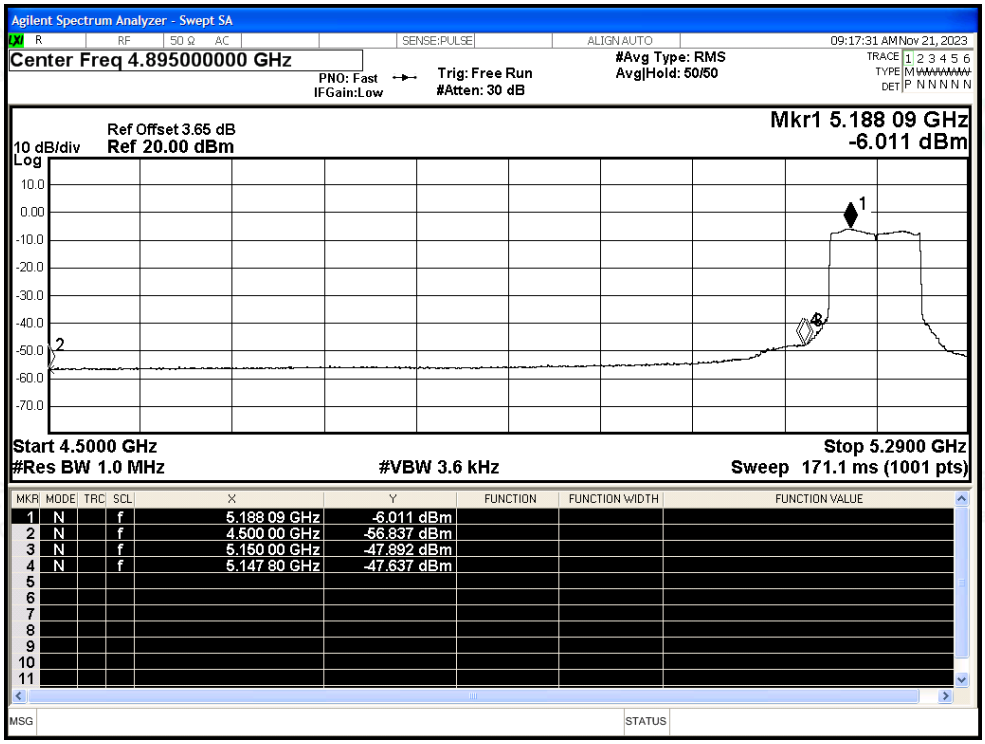
Restrict Band NVNT ac80 5210MHz Ant1 Average



Restrict Band NVNT ac80 5210MHz Ant1 Peak



Restrict Band NVNT ac80 5210MHz Ant1 Average



MIMO

Condition	Mode	Frequency (MHz)	ANT0 Power (dBm)	ANT1 Power (dBm)	Gain (dBi)	Total E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	n20	5180	-48.24	-50.64	5.01	53.97	Peak	68.2	Pass
NVNT	n20	5180	-57.13	-57.24	5.01	46.06	Average	54	Pass
NVNT	n20	5180	-39.69	-37.32	5.01	64.90	Peak	68.2	Pass
NVNT	n20	5180	-53.25	-51.62	5.01	50.89	Average	54	Pass
NVNT	n20	5180	-45.03	-36.57	5.01	64.25	Peak	68.2	Pass
NVNT	n20	5180	-53.05	-49.89	5.01	52.06	Average	54	Pass
NVNT	n20	5240	-50.85	-48.3	5.01	53.86	Peak	68.2	Pass
NVNT	n20	5240	-56.84	-56.76	5.01	46.45	Average	54	Pass
NVNT	n20	5240	-47.03	-47.42	5.01	56.03	Peak	68.2	Pass
NVNT	n20	5240	-56.65	-56.66	5.01	46.59	Average	54	Pass
NVNT	n20	5240	-51.21	-50.07	5.01	52.65	Peak	68.2	Pass
NVNT	n20	5240	-56.99	-57.03	5.01	46.24	Average	54	Pass
NVNT	n40	5190	-49.5	-50.53	5.01	53.26	Peak	68.2	Pass
NVNT	n40	5190	-56.88	-56.68	5.01	46.47	Average	54	Pass
NVNT	n40	5190	-39.54	-38.57	5.01	64.22	Peak	68.2	Pass
NVNT	n40	5190	-53.43	-55.52	5.01	48.90	Average	54	Pass
NVNT	n40	5190	-36.63	-38.56	5.01	65.76	Peak	68.2	Pass
NVNT	n40	5190	-53.43	-55.52	5.01	48.90	Average	54	Pass
NVNT	n40	5230	-48.9	-50.58	5.01	53.59	Peak	68.2	Pass
NVNT	n40	5230	-56.52	-56.33	5.01	46.82	Average	54	Pass
NVNT	n40	5230	-46.55	-47.19	5.01	56.39	Peak	68.2	Pass
NVNT	n40	5230	-56.19	-56.23	5.01	47.04	Average	54	Pass
NVNT	n40	5230	-49.71	-49.8	5.01	53.49	Peak	68.2	Pass
NVNT	n40	5230	-56.86	-56.7	5.01	46.47	Average	54	Pass
NVNT	ac20	5180	-50.17	-49.18	5.01	53.60	Peak	68.2	Pass
NVNT	ac20	5180	-57	-57.15	5.01	46.17	Average	54	Pass
NVNT	ac20	5180	-44.44	-37.82	5.01	63.27	Peak	68.2	Pass
NVNT	ac20	5180	-52.62	-47.84	5.01	53.64	Average	54	Pass
NVNT	ac20	5180	-42.02	-38.25	5.01	63.51	Peak	68.2	Pass
NVNT	ac20	5180	-52.63	-47.98	5.01	53.54	Average	54	Pass
NVNT	ac20	5240	-47.57	-50.31	5.01	54.52	Peak	68.2	Pass
NVNT	ac20	5240	-56.96	-56.83	5.01	46.35	Average	54	Pass
NVNT	ac20	5240	-47.33	-47.15	5.01	56.01	Peak	68.2	Pass
NVNT	ac20	5240	-56.73	-56.65	5.01	46.56	Average	54	Pass
NVNT	ac20	5240	-49.01	-50.7	5.01	53.47	Peak	68.2	Pass
NVNT	ac20	5240	-57.14	-57.21	5.01	46.07	Average	54	Pass
NVNT	ac40	5190	-50.23	-49.71	5.01	53.29	Peak	68.2	Pass
NVNT	ac40	5190	-56.59	-56.88	5.01	46.52	Average	54	Pass

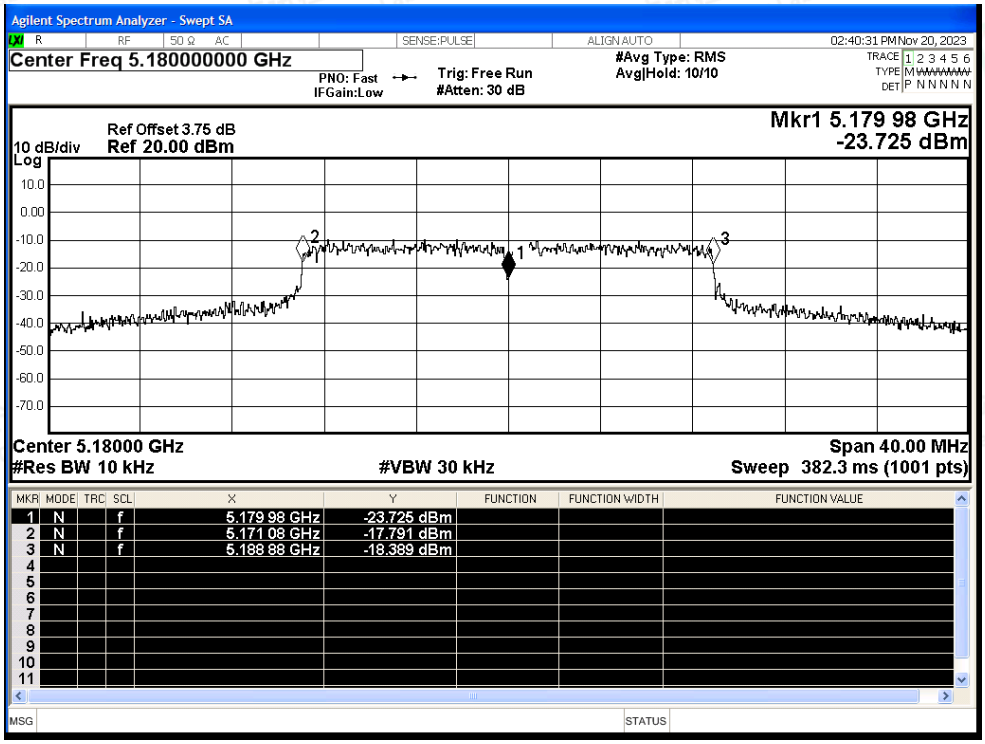
NVNT	ac40	5190	-35.95	-36.35	5.01	67.10	Peak	68.2	Pass
NVNT	ac40	5190	-53.76	-56.43	5.01	48.35	Average	54	Pass
NVNT	ac40	5190	-36.1	-36.35	5.01	67.02	Peak	68.2	Pass
NVNT	ac40	5190	-53.76	-56.64	5.01	48.28	Average	54	Pass
NVNT	ac40	5230	-49.11	-51.88	5.01	52.97	Peak	68.2	Pass
NVNT	ac40	5230	-56.49	-56.41	5.01	46.80	Average	54	Pass
NVNT	ac40	5230	-47.27	-46.99	5.01	56.12	Peak	68.2	Pass
NVNT	ac40	5230	-56.29	-56.41	5.01	46.90	Average	54	Pass
NVNT	ac40	5230	-49.32	-50.54	5.01	53.36	Peak	68.2	Pass
NVNT	ac40	5230	-56.71	-56.85	5.01	46.47	Average	54	Pass
NVNT	ac80	5210	-42.24	-49.81	5.01	58.70	Peak	68.2	Pass
NVNT	ac80	5210	-49.47	-55.56	5.01	51.72	Average	54	Pass
NVNT	ac80	5210	-40.12	-47.12	5.01	60.91	Peak	68.2	Pass
NVNT	ac80	5210	-49.47	-55.3	5.01	51.78	Average	54	Pass
NVNT	ac80	5210	-48.78	-48.26	5.01	54.74	Peak	68.2	Pass
NVNT	ac80	5210	-55.92	-55.65	5.01	47.46	Average	54	Pass
NVNT	ac80	5210	-49.94	-49.69	5.01	53.43	Peak	68.2	Pass
NVNT	ac80	5210	-56.74	-56.84	5.01	46.46	Average	54	Pass
NVNT	ac80	5210	-40.59	-39.01	5.01	63.52	Peak	68.2	Pass
NVNT	ac80	5210	-59.04	-57.64	5.01	44.96	Average	54	Pass
NVNT	ac80	5210	-41.96	-40.07	5.01	62.33	Peak	68.2	Pass
NVNT	ac80	5210	-58.83	-57.89	5.01	44.91	Average	54	Pass

D.5 Frequency Stability

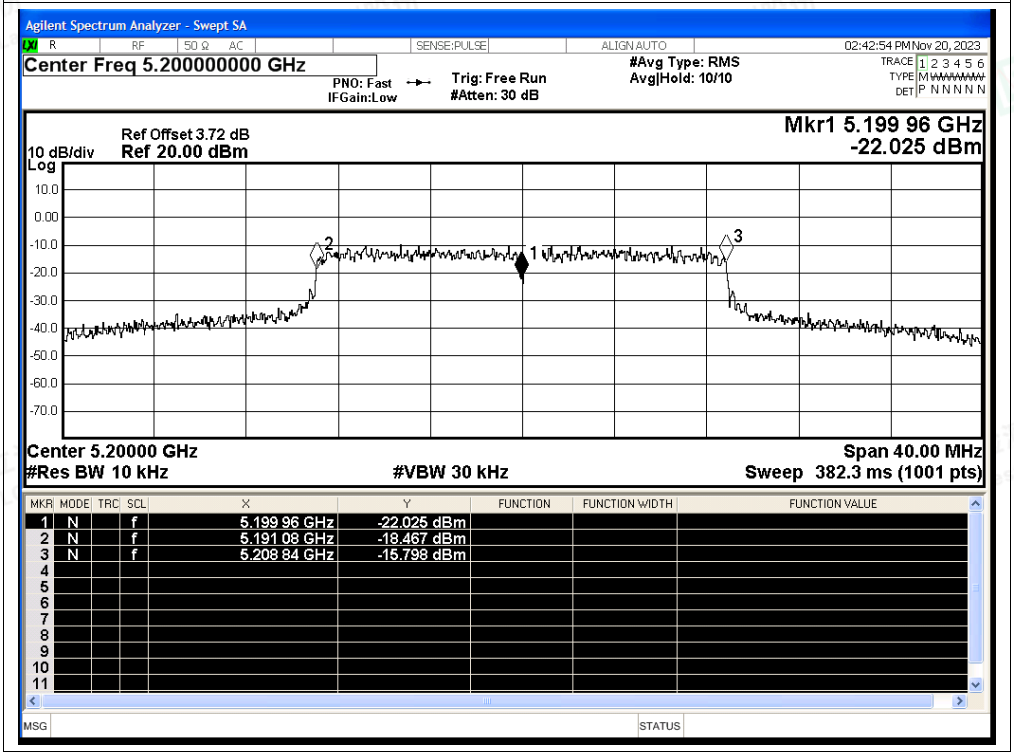
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	ac20	5180	Ant0	5179.98	-20000	-3.86	25	Pass
NVNT	ac20	5200	Ant0	5199.96	-40000	-7.69	25	Pass
NVNT	ac20	5240	Ant0	5239.98	-20000	-3.82	25	Pass
NVNT	ac40	5190	Ant0	5189.96	-40000	-7.71	25	Pass
NVNT	ac40	5230	Ant0	5230	0	0	25	Pass
NVNT	ac80	5210	Ant0	5210	0	0	25	Pass

Test Graphs

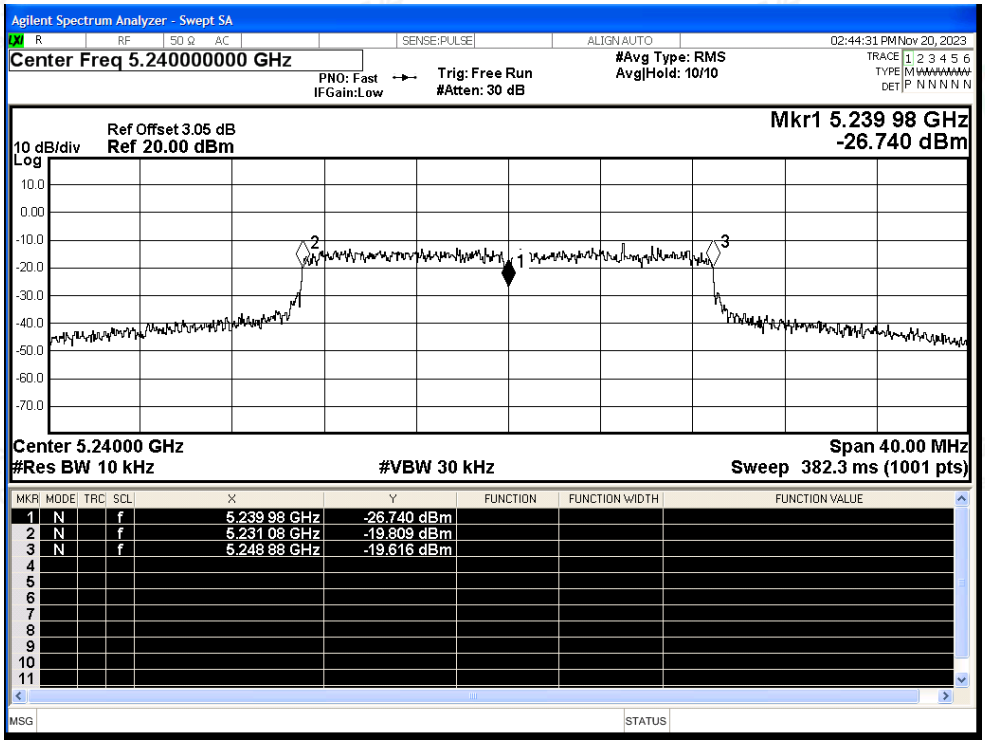
Freq. Stability NVNT ac20 5180MHz Ant0



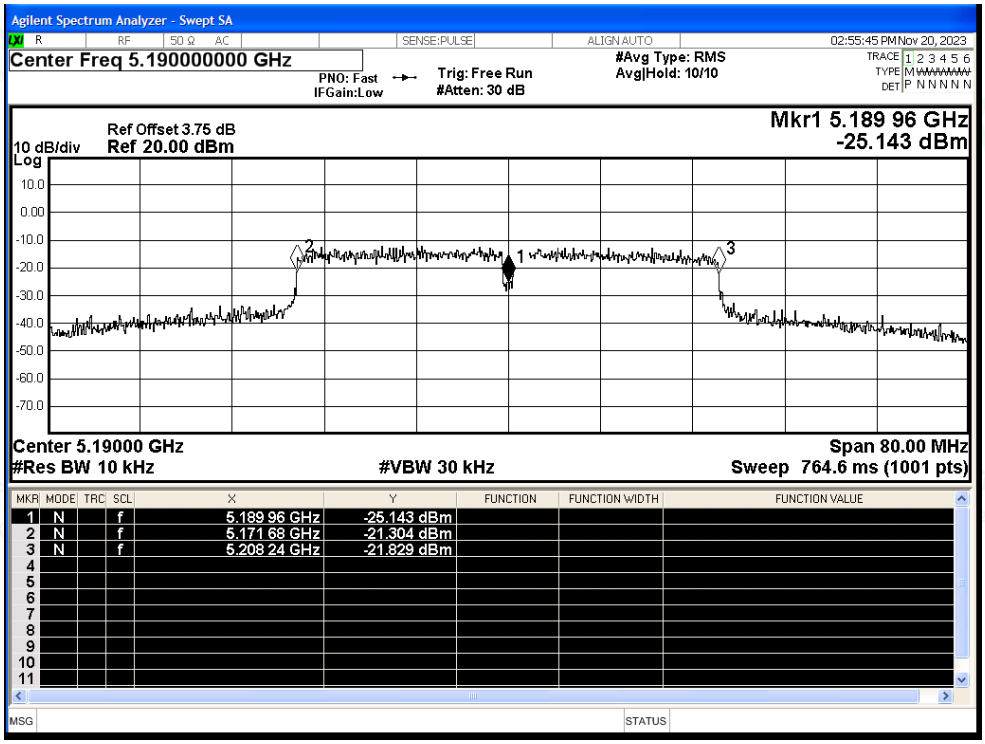
Freq. Stability NVNT ac20 5200MHz Ant0



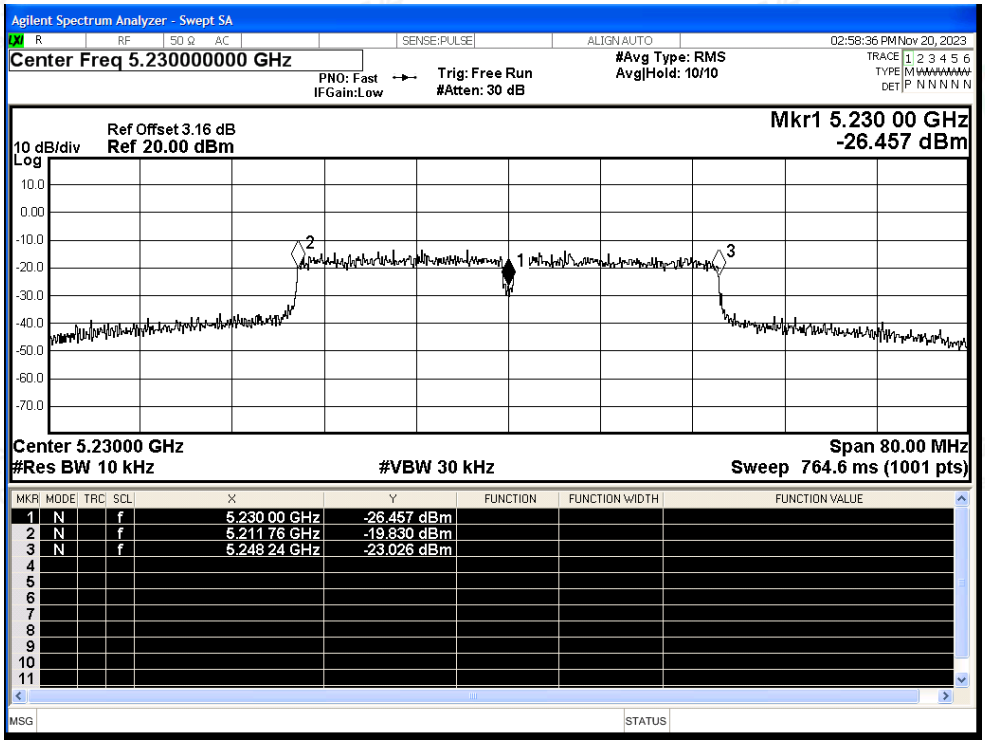
Freq. Stability NVNT ac20 5240MHz Ant0



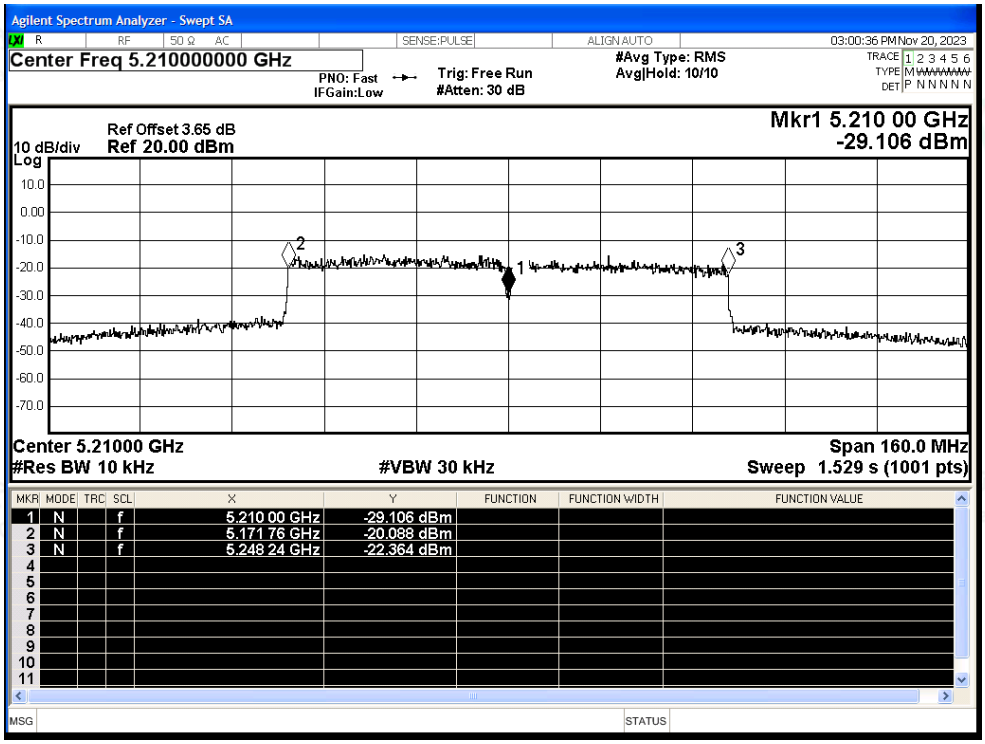
Freq. Stability NVNT ac40 5190MHz Ant0



Freq. Stability NVNT ac40 5230MHz Ant0



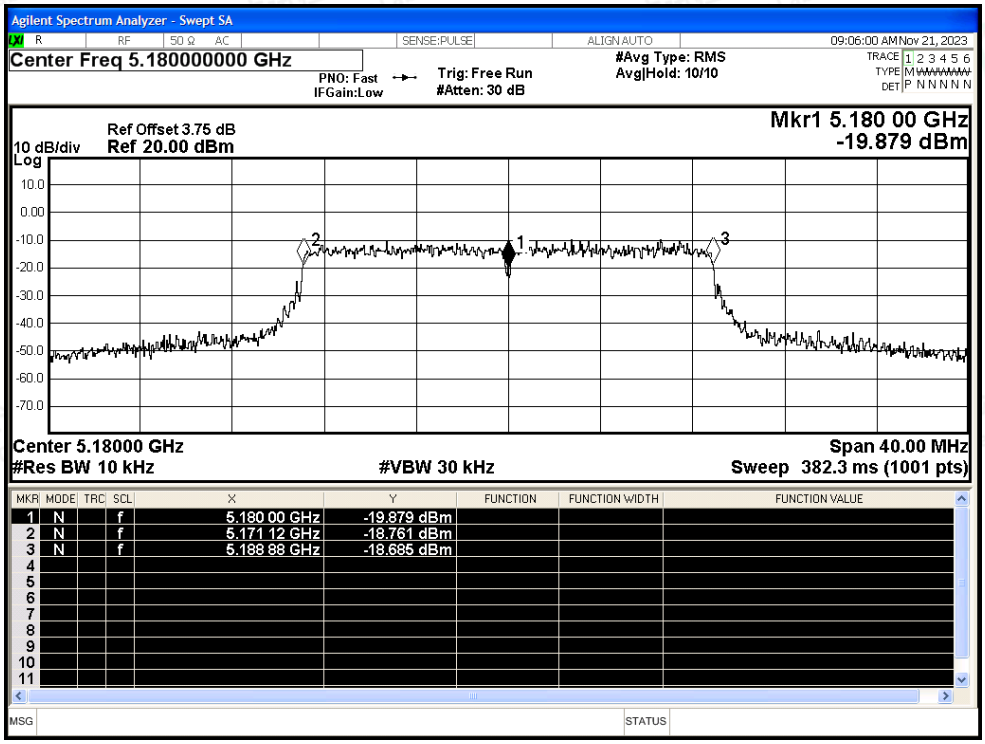
Freq. Stability NVNT ac80 5210MHz Ant0



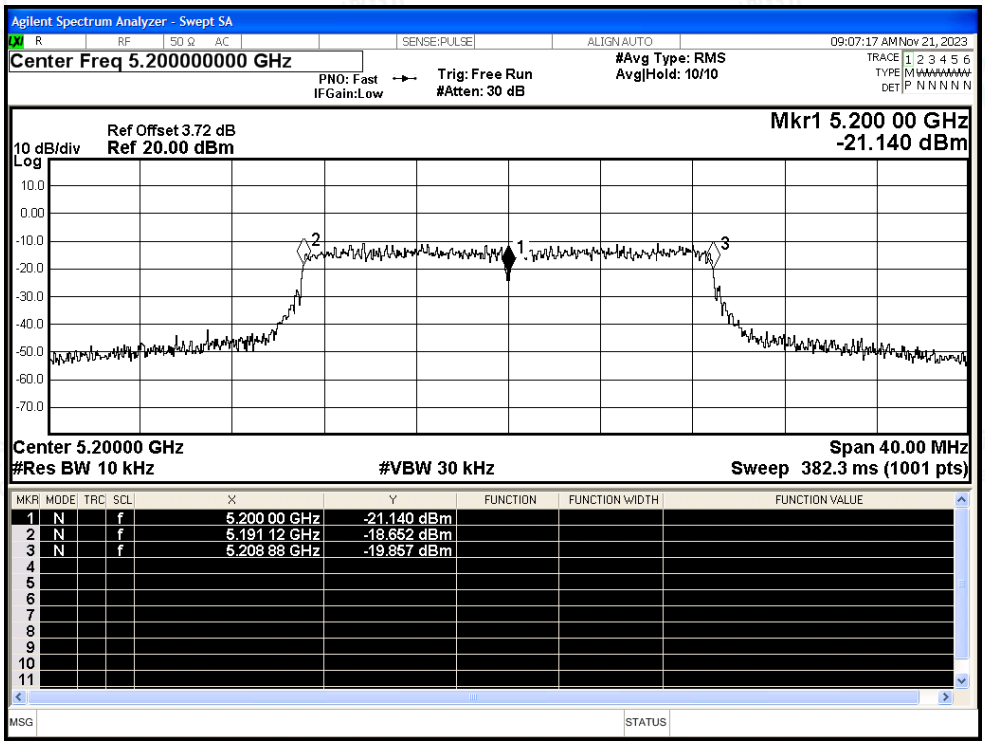
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	ac20	5180	Ant1	5180	0	0	25	Pass
NVNT	ac20	5200	Ant1	5200	0	0	25	Pass
NVNT	ac20	5240	Ant1	5240	0	0	25	Pass
NVNT	ac40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
NVNT	ac40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
NVNT	ac80	5210	Ant1	5210	0	0	25	Pass

Test Graphs

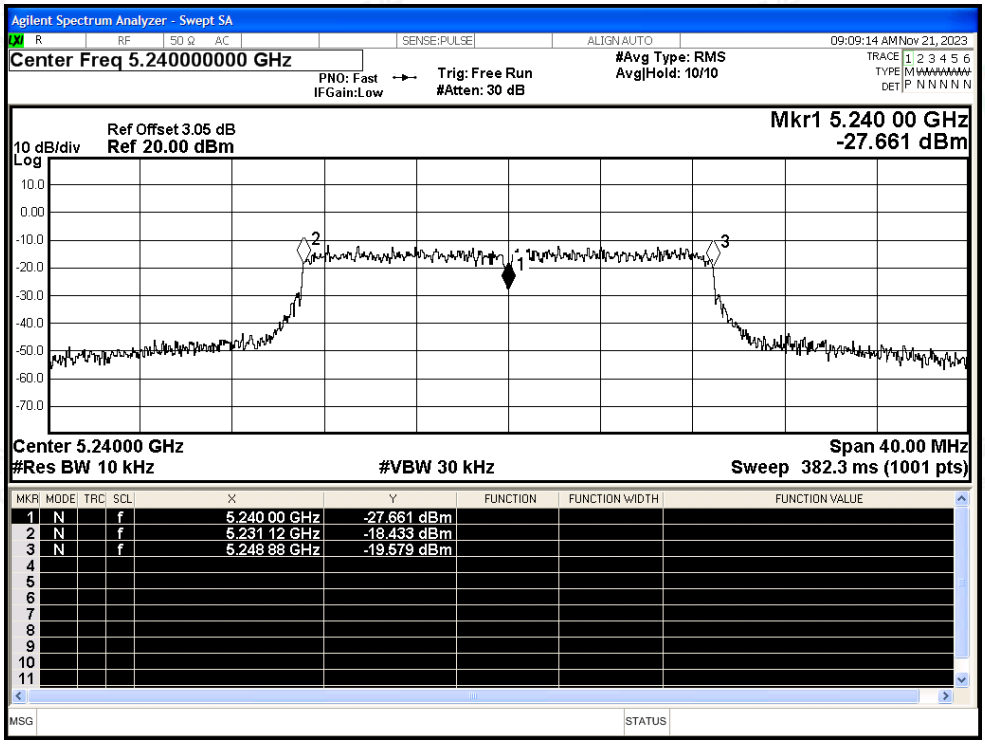
Freq. Stability NVNT ac20 5180MHz Ant1



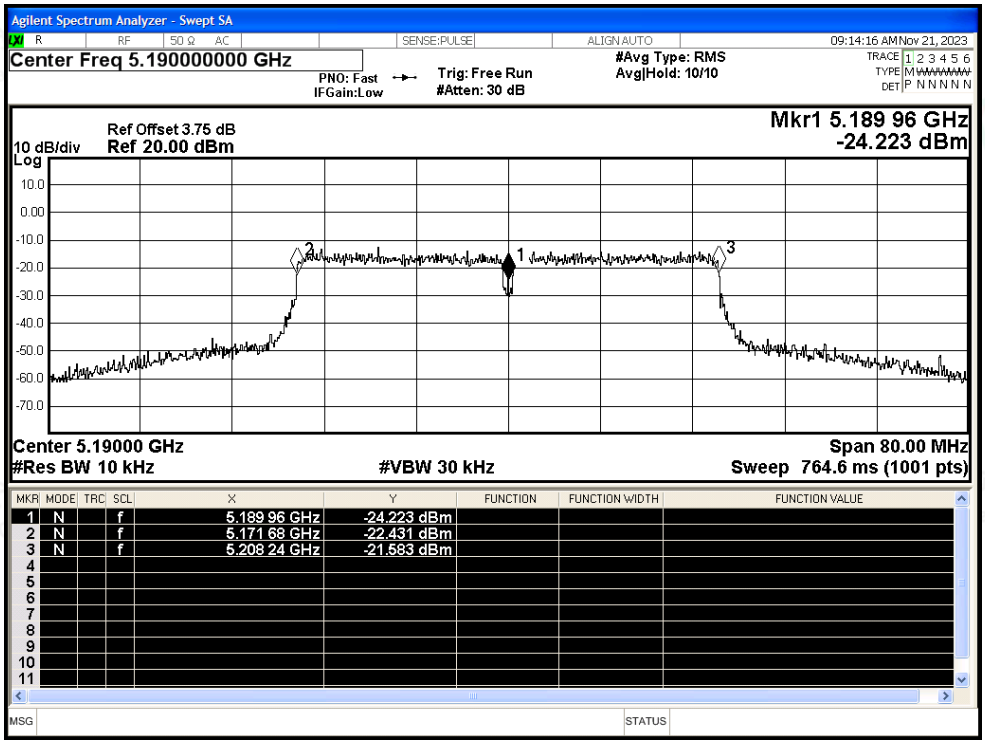
Freq. Stability NVNT ac20 5200MHz Ant1



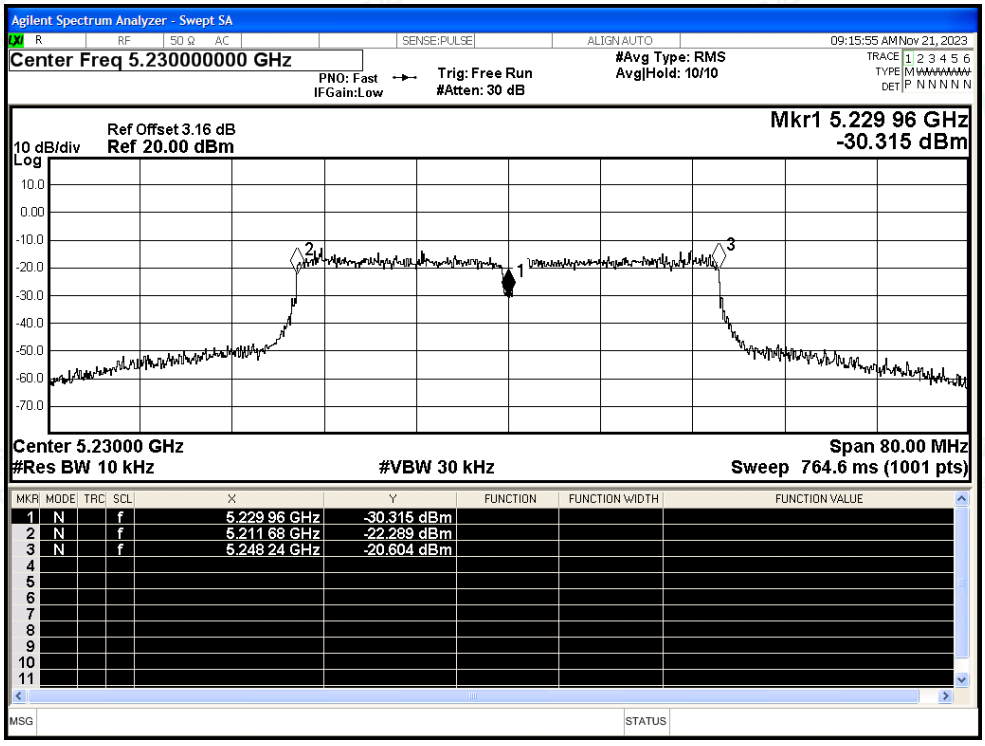
Freq. Stability NVNT ac20 5240MHz Ant1



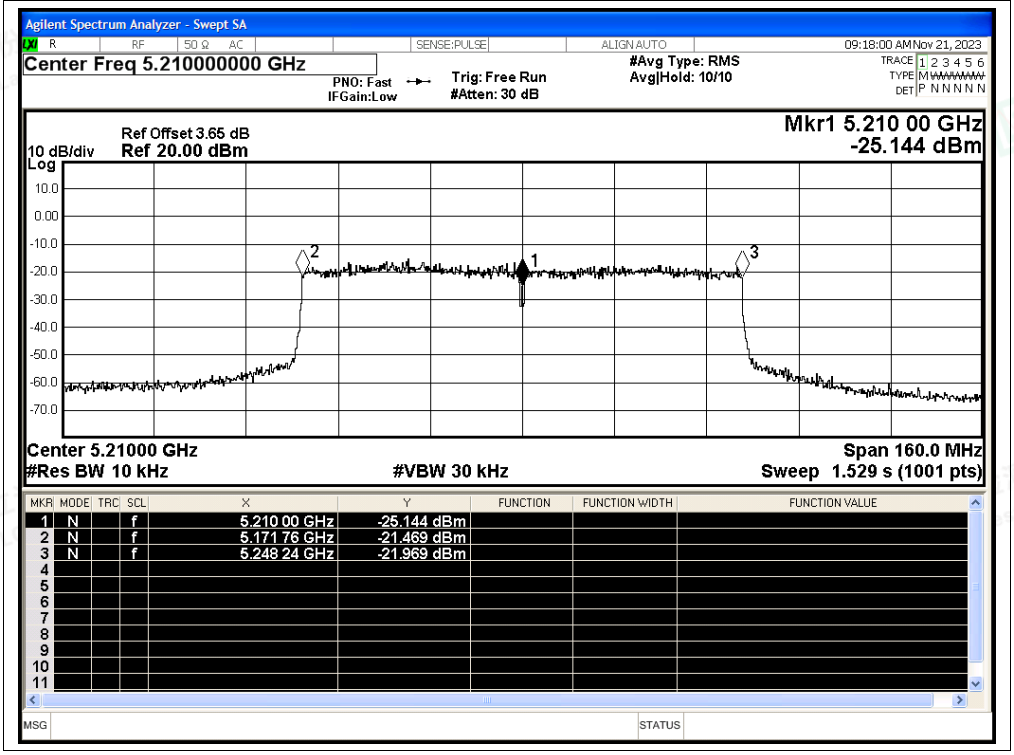
Freq. Stability NVNT ac40 5190MHz Ant1



Freq. Stability NVNT ac40 5230MHz Ant1



Freq. Stability NVNT ac80 5210MHz Ant1

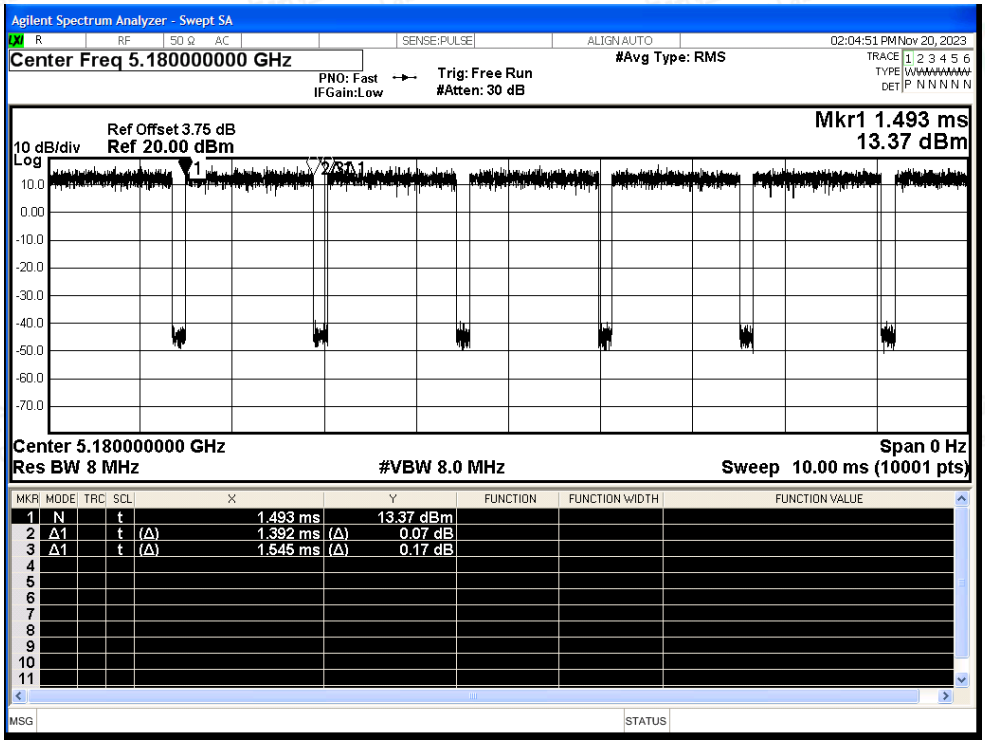


D.6 Duty Cycle

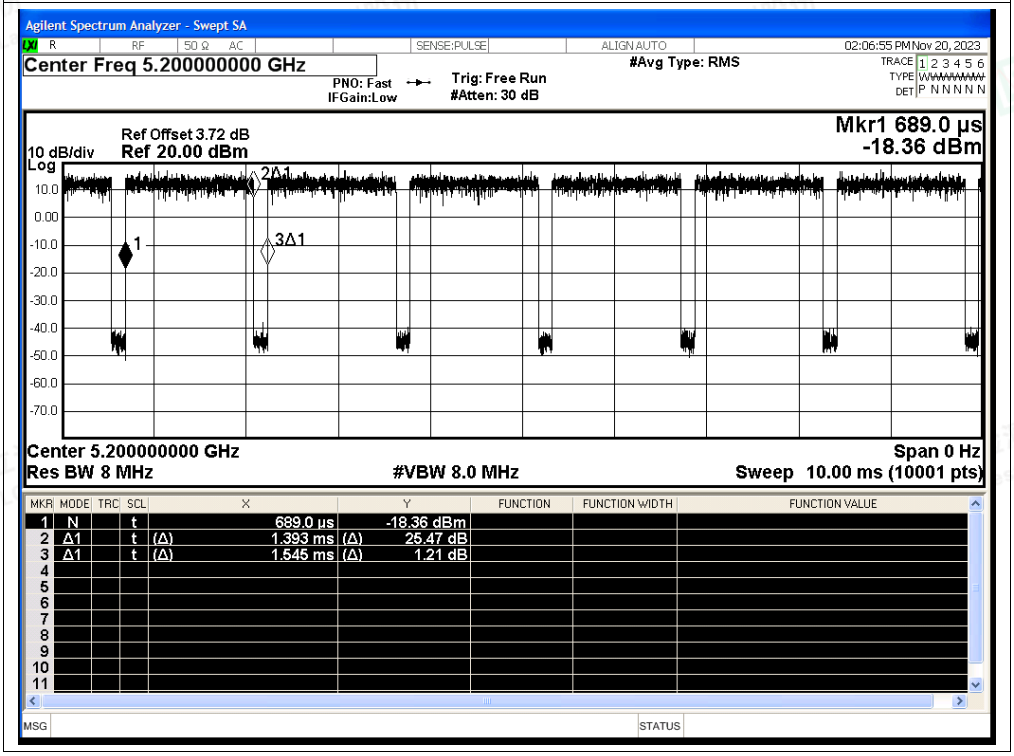
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant0	90.1	0.45	0.72
NVNT	a	5200	Ant0	90.16	0.45	0.72
NVNT	a	5240	Ant0	90.63	0.43	0.72
NVNT	n20	5180	Ant0	88.47	0.53	0.85
NVNT	n20	5200	Ant0	87.36	0.59	0.85
NVNT	n20	5240	Ant0	88.47	0.53	0.85
NVNT	n40	5190	Ant0	79.43	1	1.7
NVNT	n40	5230	Ant0	80.41	0.95	1.7
NVNT	ac20	5180	Ant0	87.41	0.58	0.84
NVNT	ac20	5200	Ant0	89.16	0.5	0.84
NVNT	ac20	5240	Ant0	88.57	0.53	0.84
NVNT	ac40	5190	Ant0	77.66	1.1	1.69
NVNT	ac40	5230	Ant0	77.66	1.1	1.69
NVNT	ac80	5210	Ant0	68.84	1.62	3.38

Test Graphs

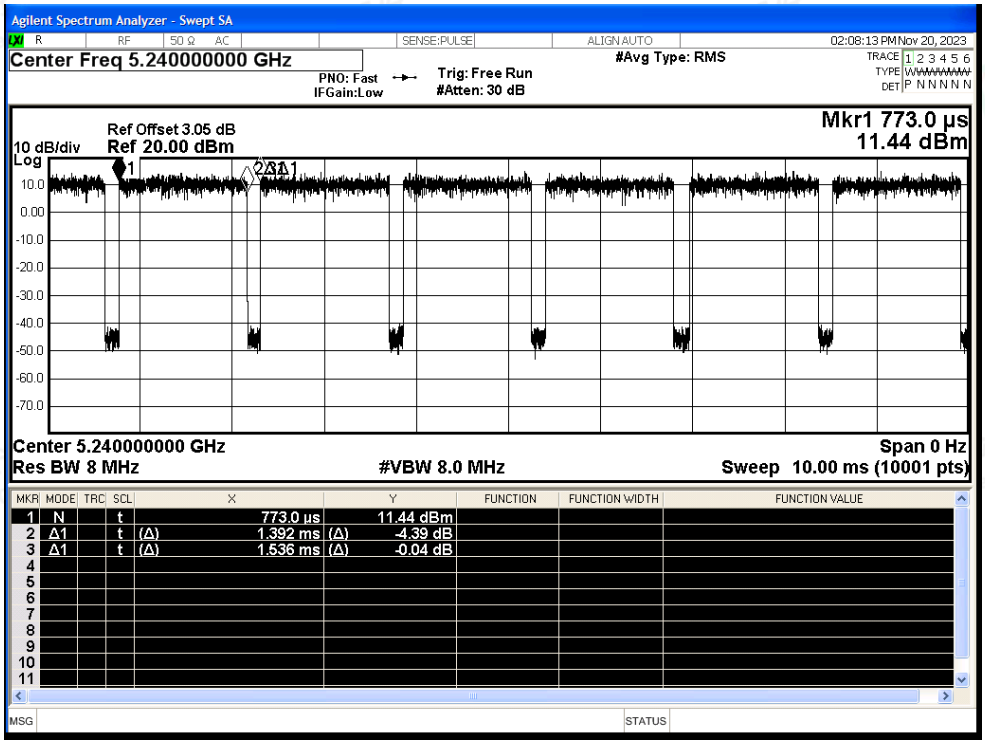
Duty Cycle NVNT a 5180MHz Ant0



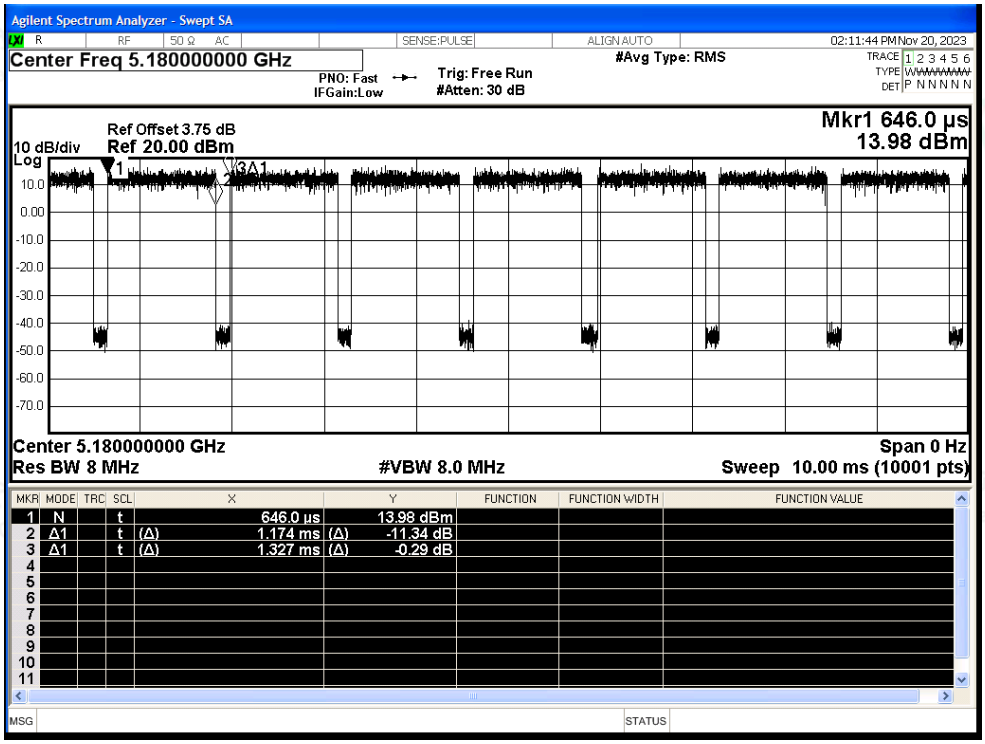
Duty Cycle NVNT a 5200MHz Ant0



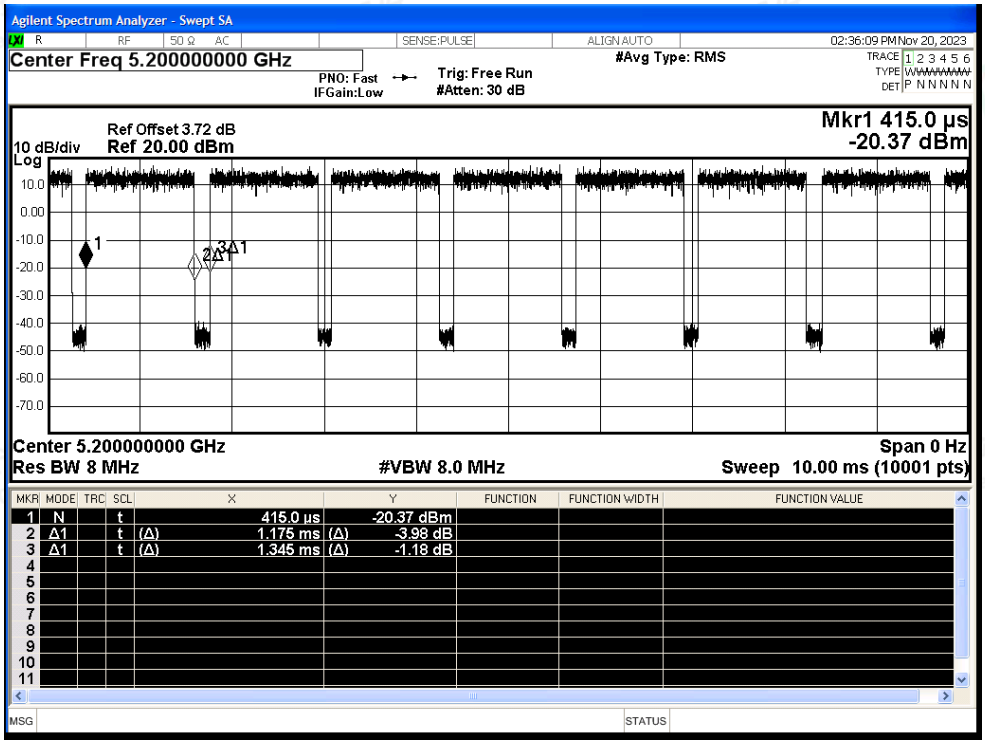
Duty Cycle NVNT a 5240MHz Ant0



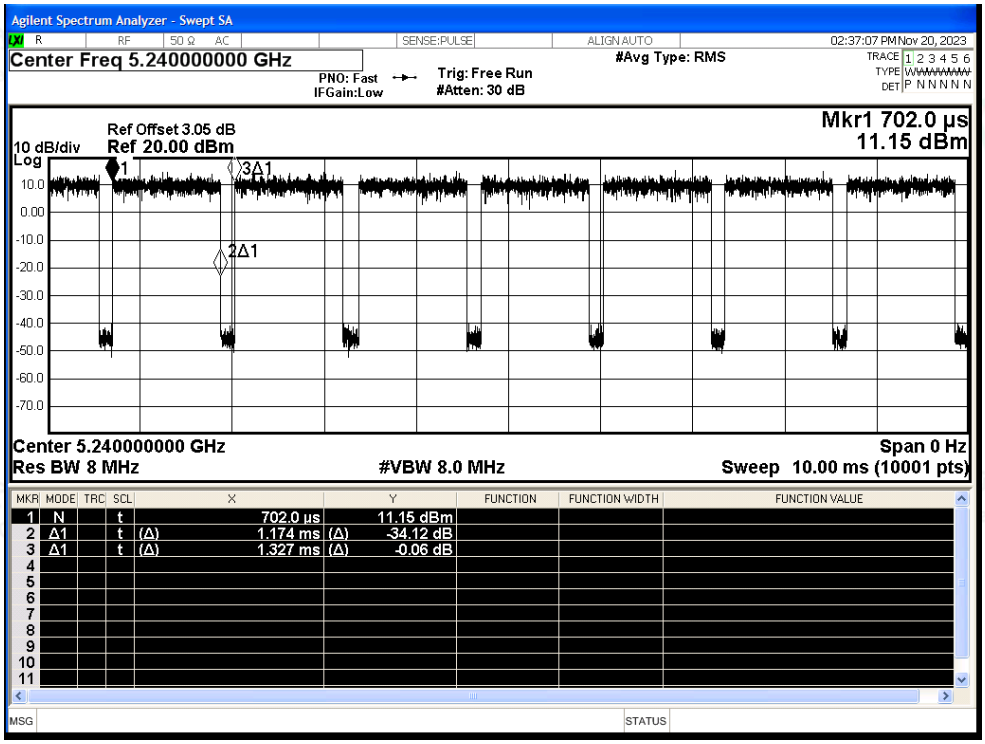
Duty Cycle NVNT n20 5180MHz Ant0



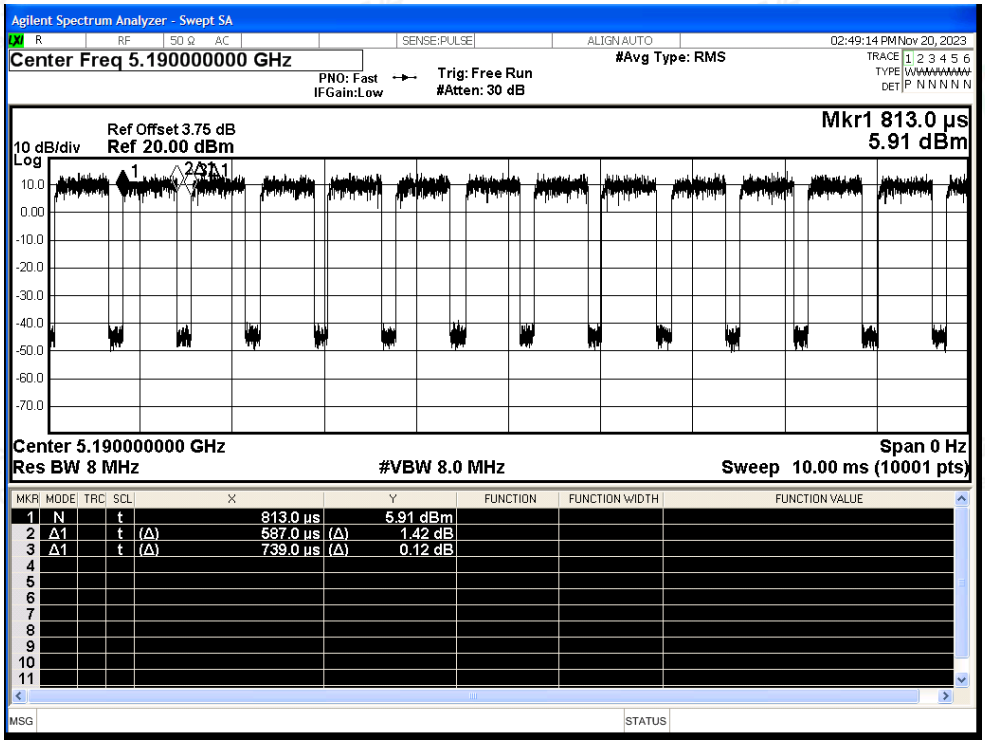
Duty Cycle NVNT n20 5200MHz Ant0



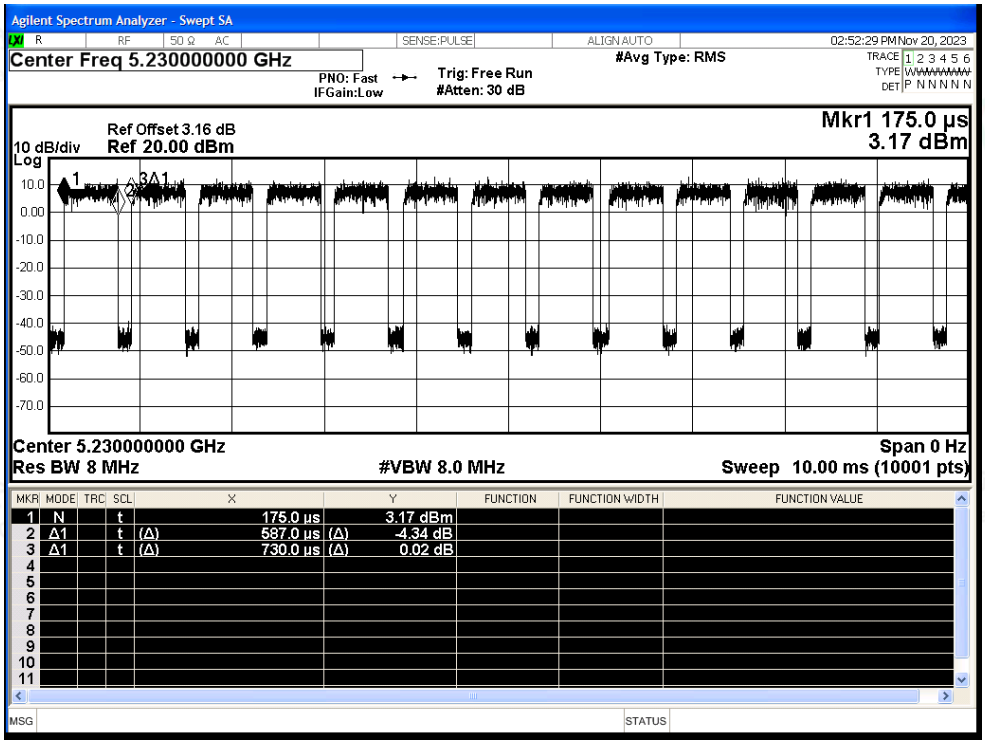
Duty Cycle NVNT n20 5240MHz Ant0



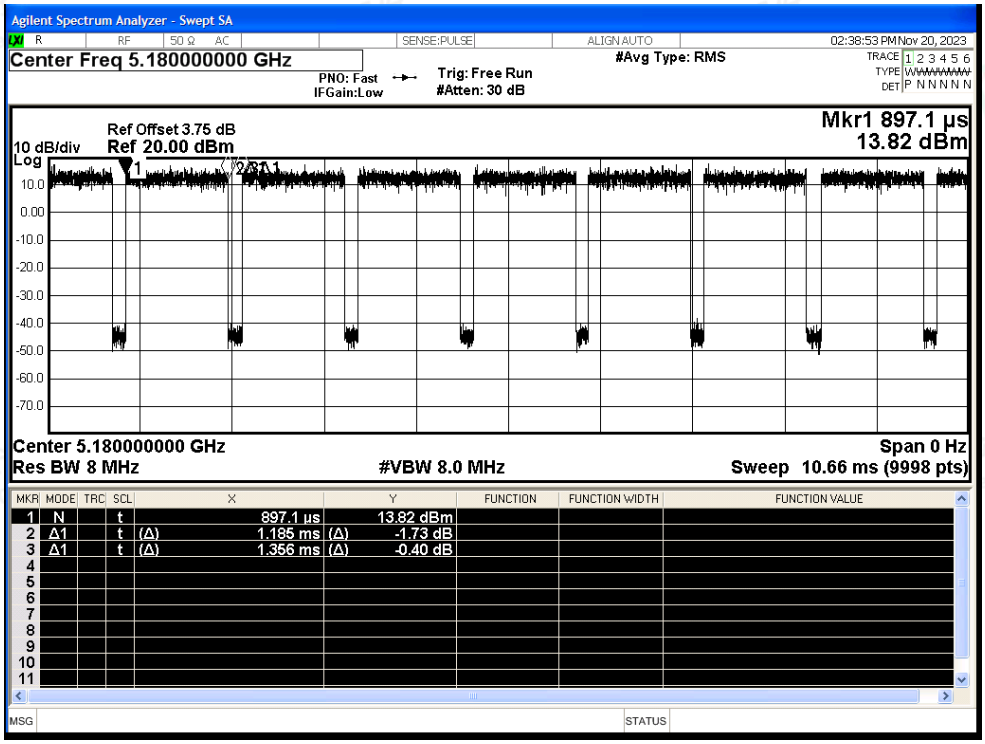
Duty Cycle NVNT n40 5190MHz Ant0



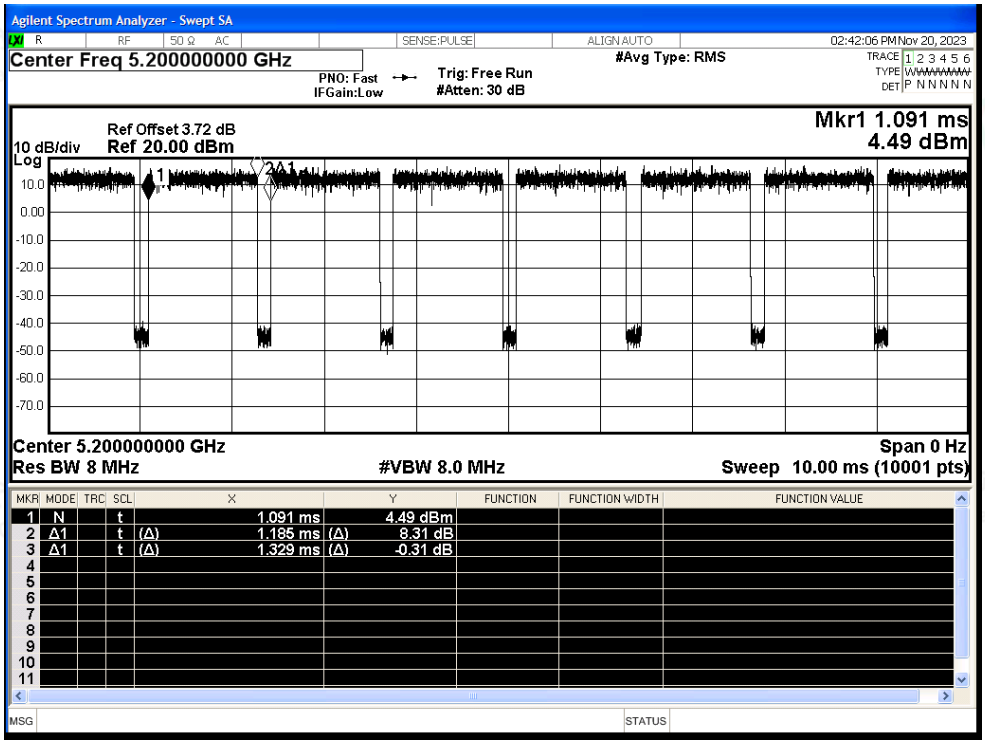
Duty Cycle NVNT n40 5230MHz Ant0



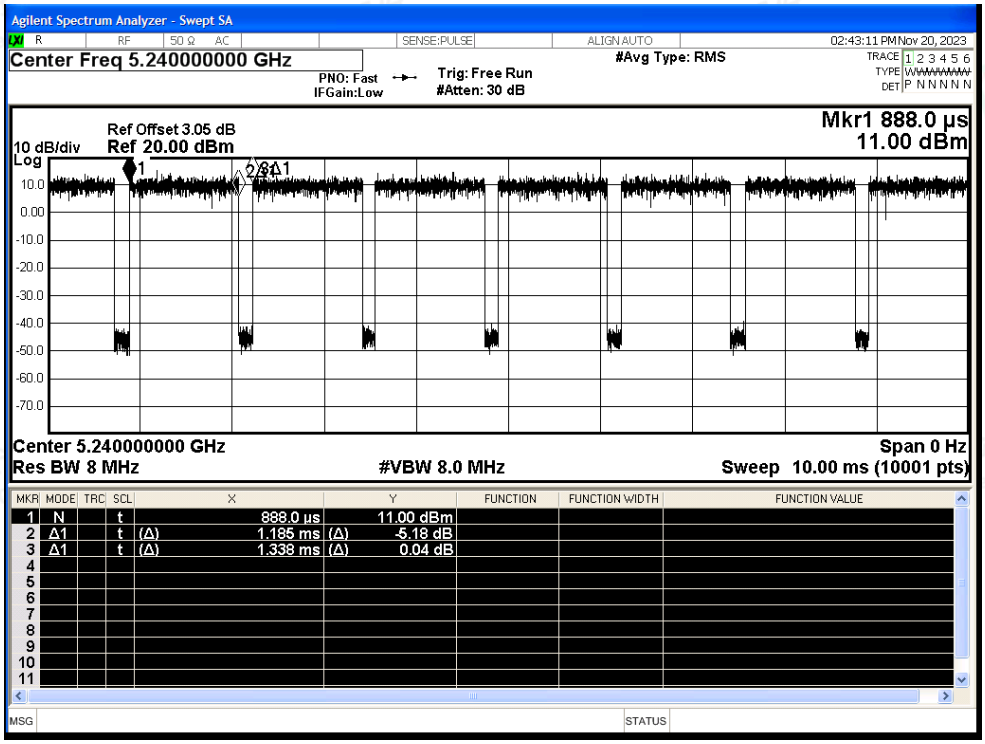
Duty Cycle NVNT ac20 5180MHz Ant0



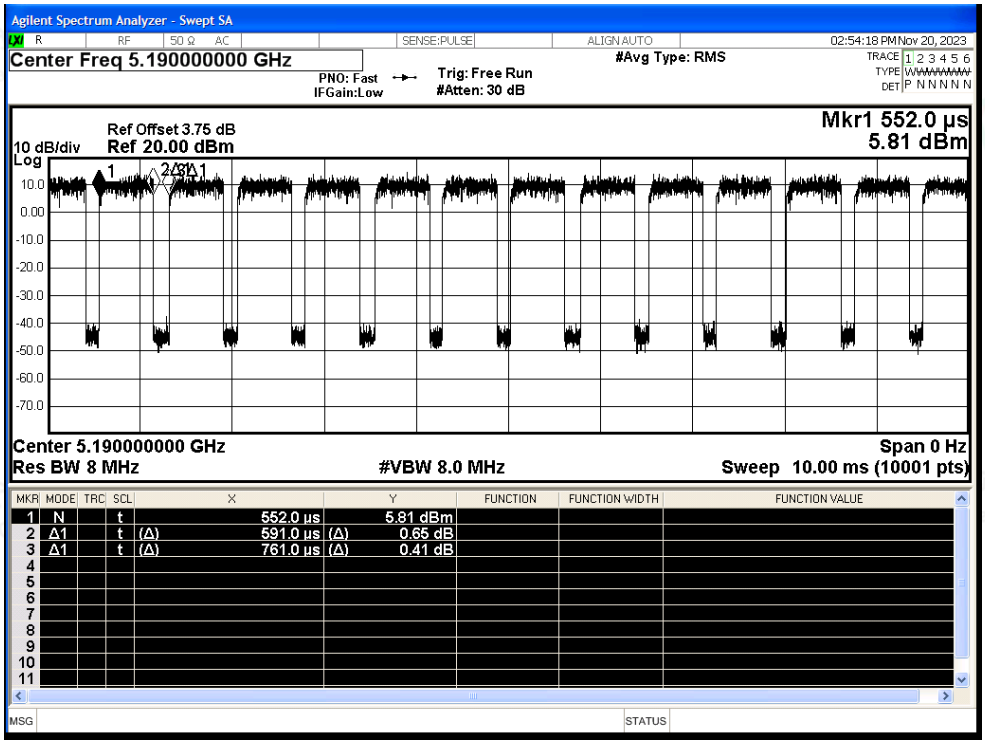
Duty Cycle NVNT ac20 5200MHz Ant0



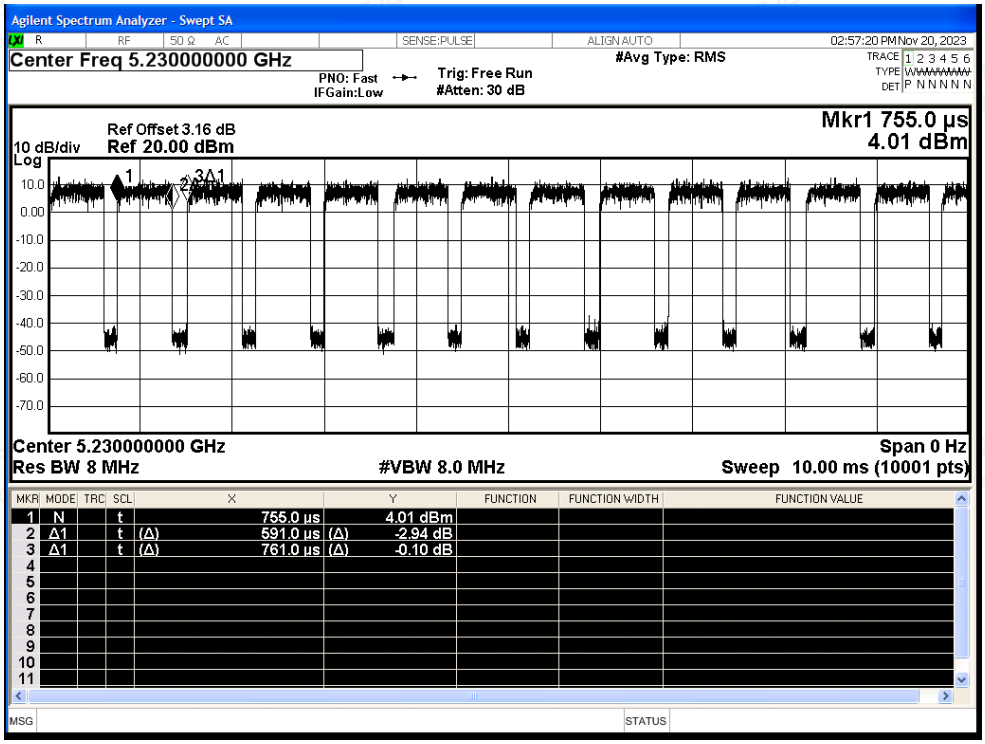
Duty Cycle NVNT ac20 5240MHz Ant0



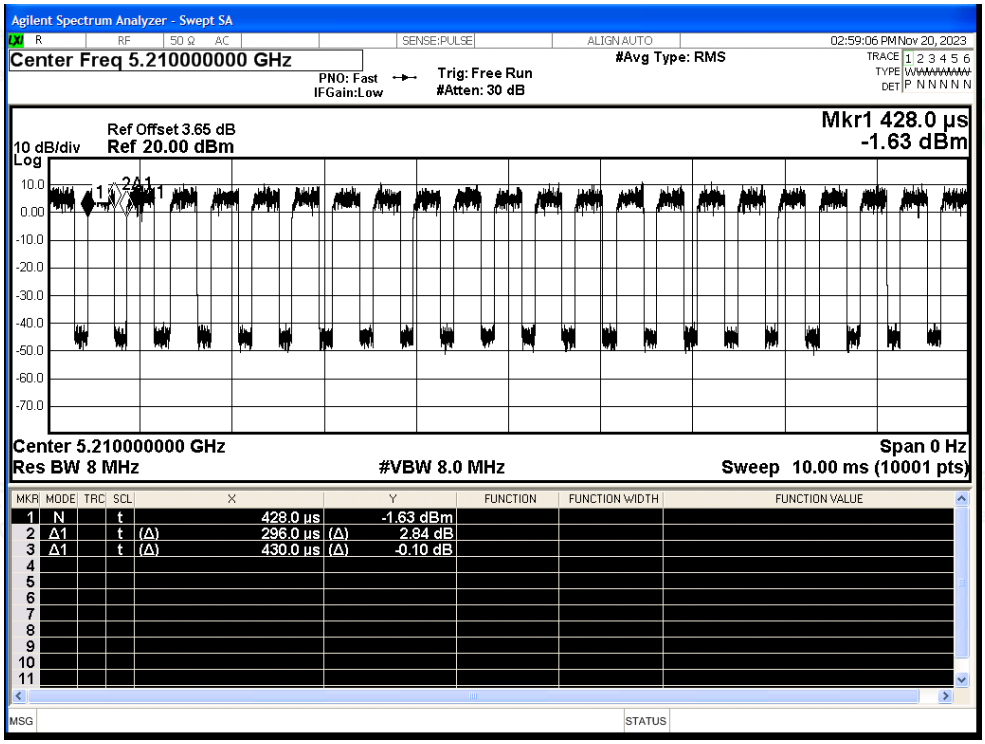
Duty Cycle NVNT ac40 5190MHz Ant0



Duty Cycle NVNT ac40 5230MHz Ant0



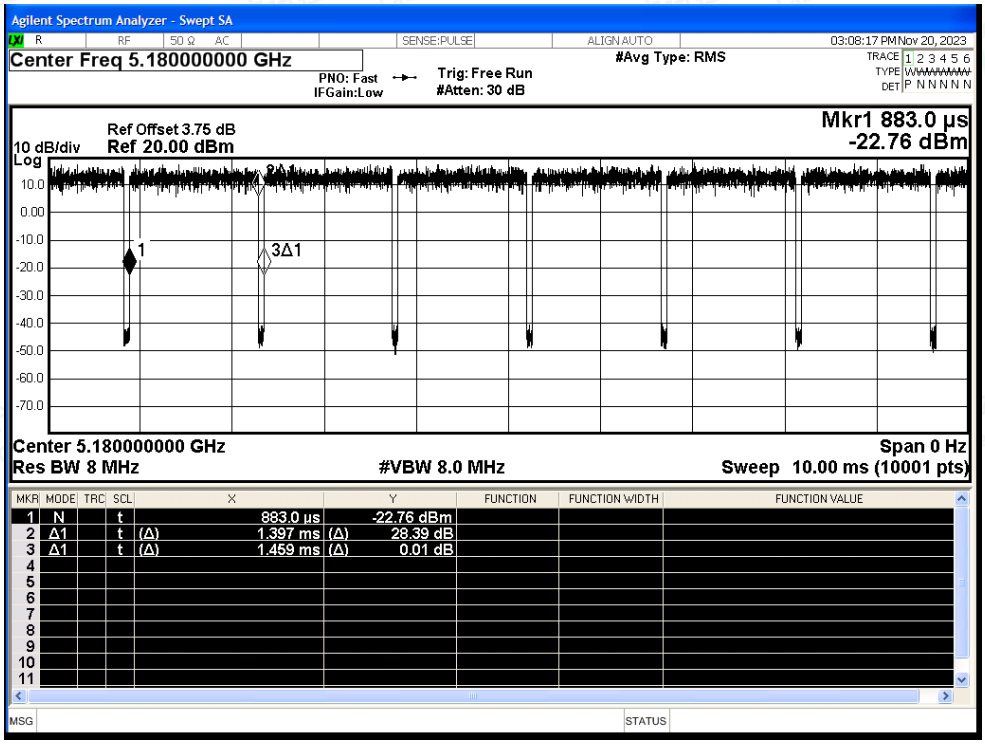
Duty Cycle NVNT ac80 5210MHz Ant0



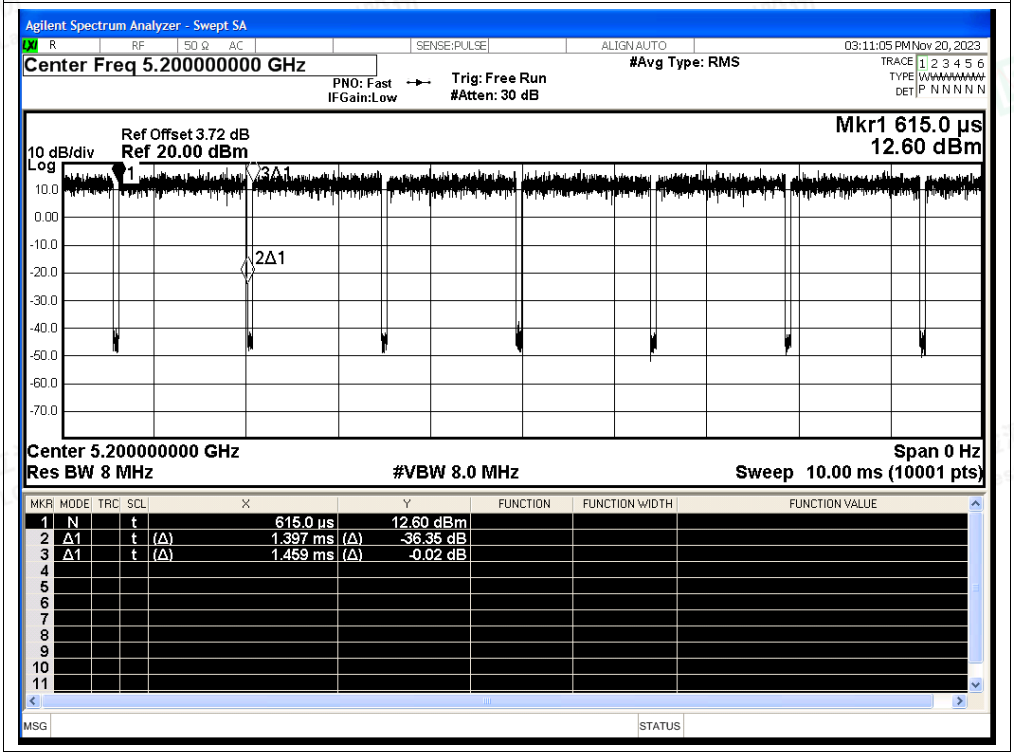
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	95.75	0.19	0.72
NVNT	a	5200	Ant1	95.75	0.19	0.72
NVNT	a	5240	Ant1	95.68	0.19	0.72
NVNT	n20	5180	Ant1	94.94	0.23	0.85
NVNT	n20	5200	Ant1	94.94	0.23	0.85
NVNT	n20	5240	Ant1	94.94	0.23	0.85
NVNT	n40	5190	Ant1	90.45	0.44	1.7
NVNT	n40	5230	Ant1	90.45	0.44	1.7
NVNT	ac20	5180	Ant1	94.97	0.22	0.84
NVNT	ac20	5200	Ant1	95.04	0.22	0.84
NVNT	ac20	5240	Ant1	95.04	0.22	0.84
NVNT	ac40	5190	Ant1	90.56	0.43	1.68
NVNT	ac40	5230	Ant1	90.56	0.43	1.68
NVNT	ac80	5210	Ant1	82.4	0.84	3.39

Test Graphs

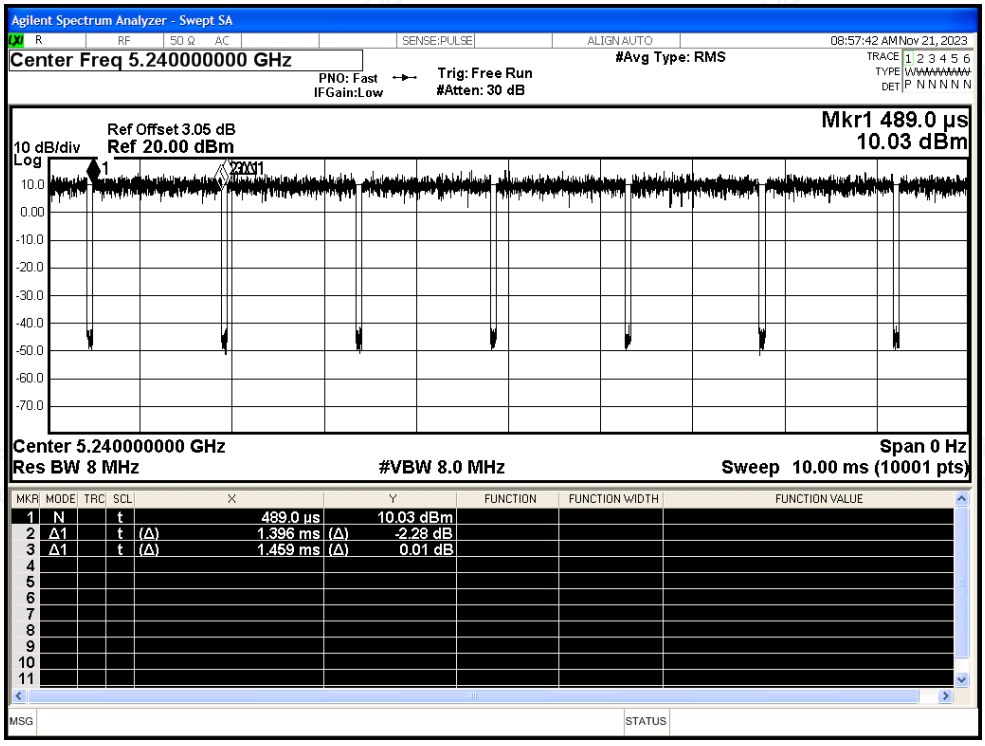
Duty Cycle NVNT a 5180MHz Ant1



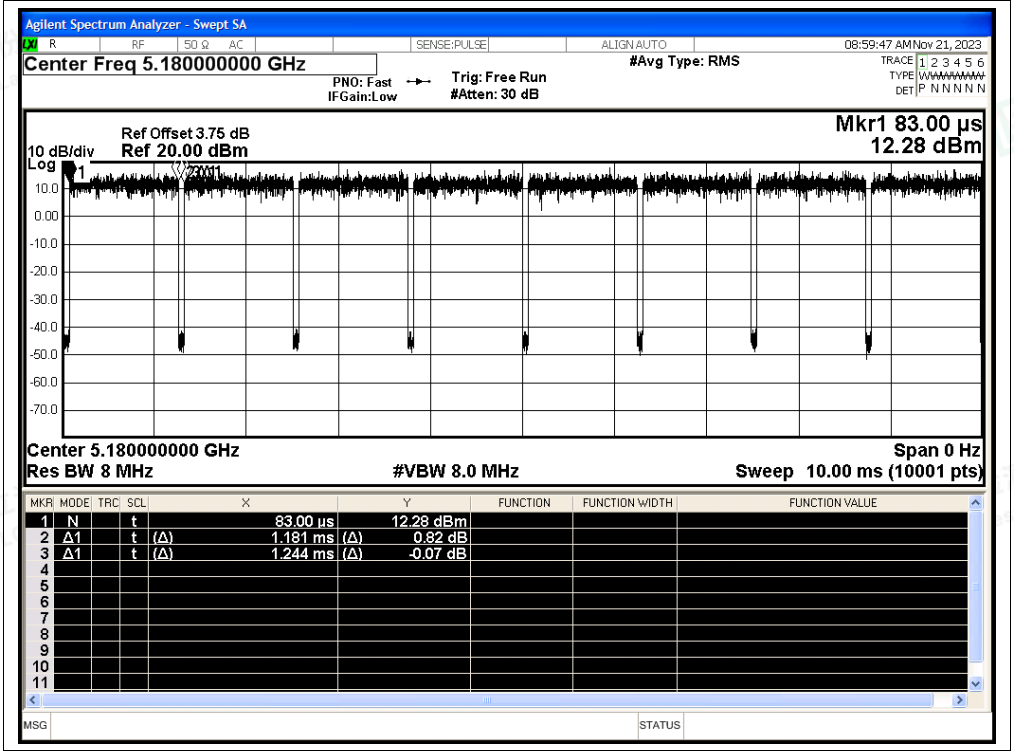
Duty Cycle NVNT a 5200MHz Ant1



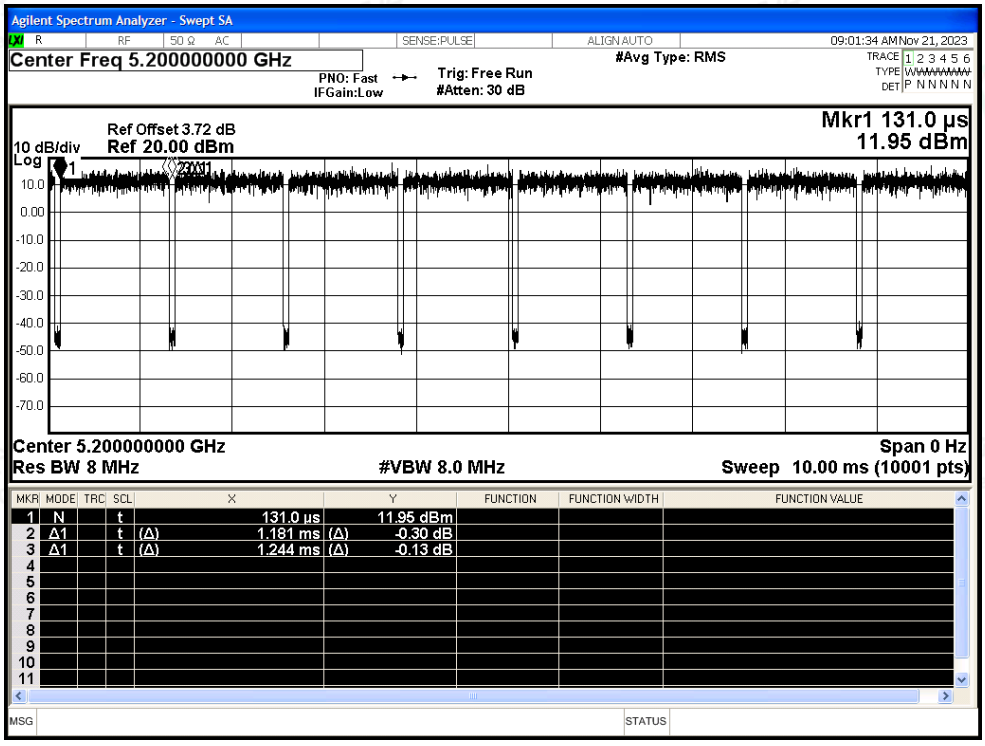
Duty Cycle NVNT a 5240MHz Ant1



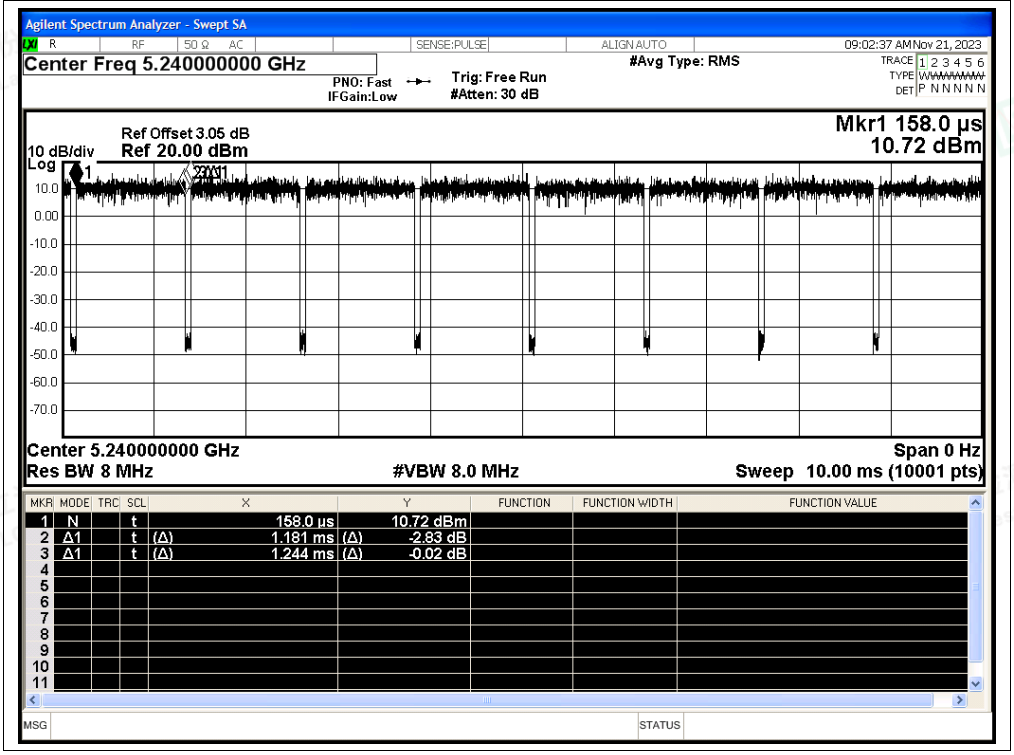
Duty Cycle NVNT n20 5180MHz Ant1



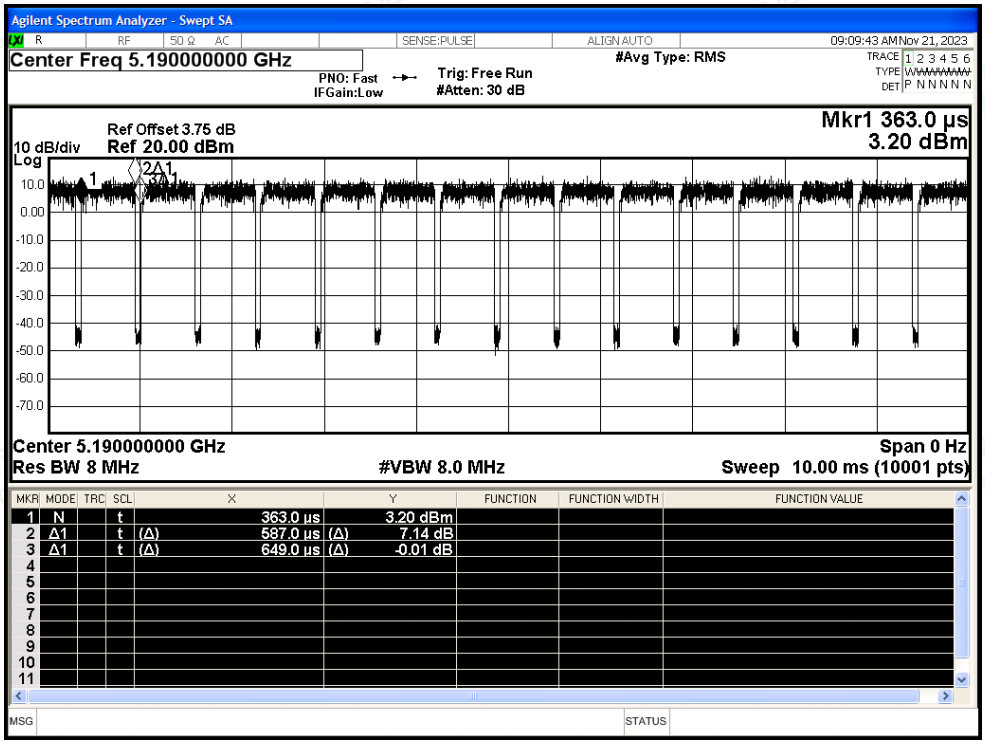
Duty Cycle NVNT n20 5200MHz Ant1



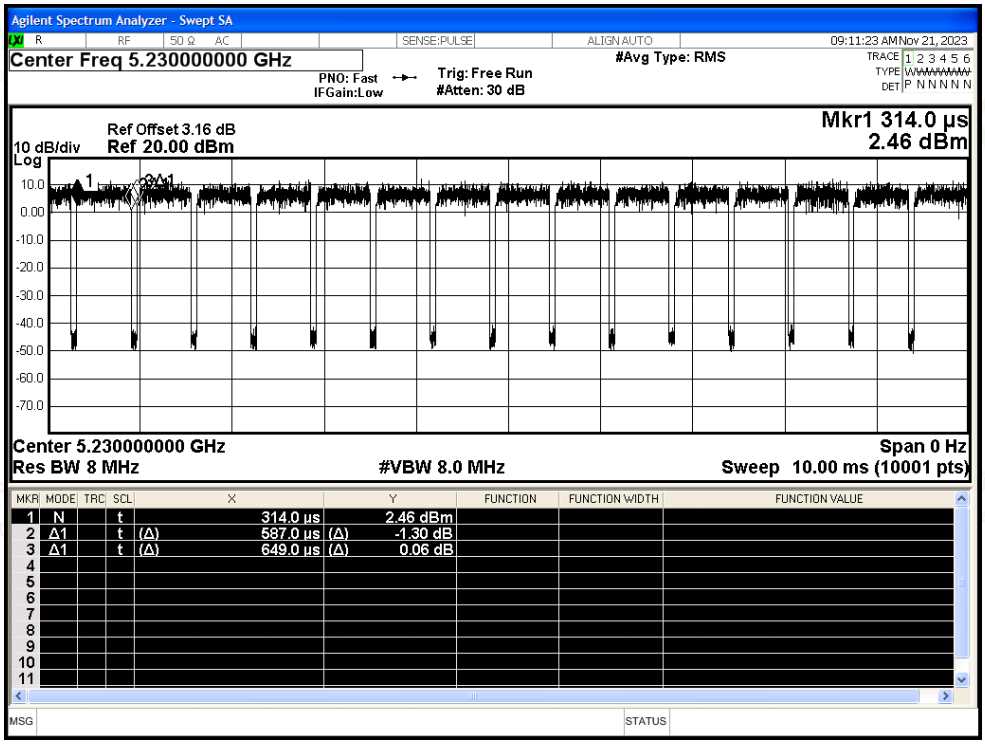
Duty Cycle NVNT n20 5240MHz Ant1



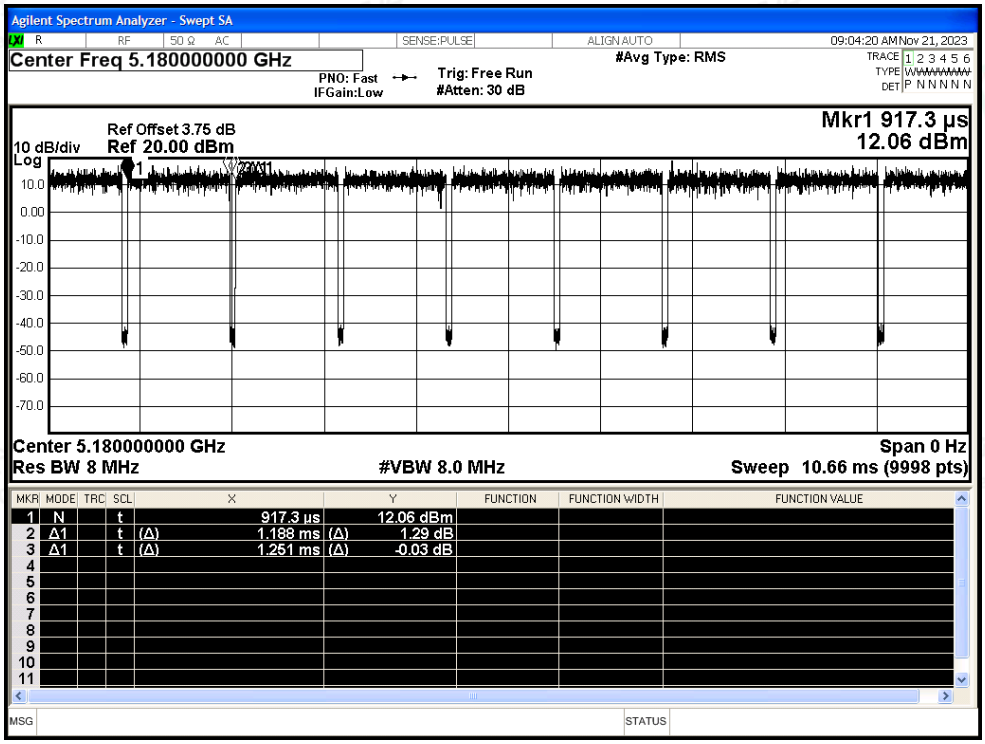
Duty Cycle NVNT n40 5190MHz Ant1



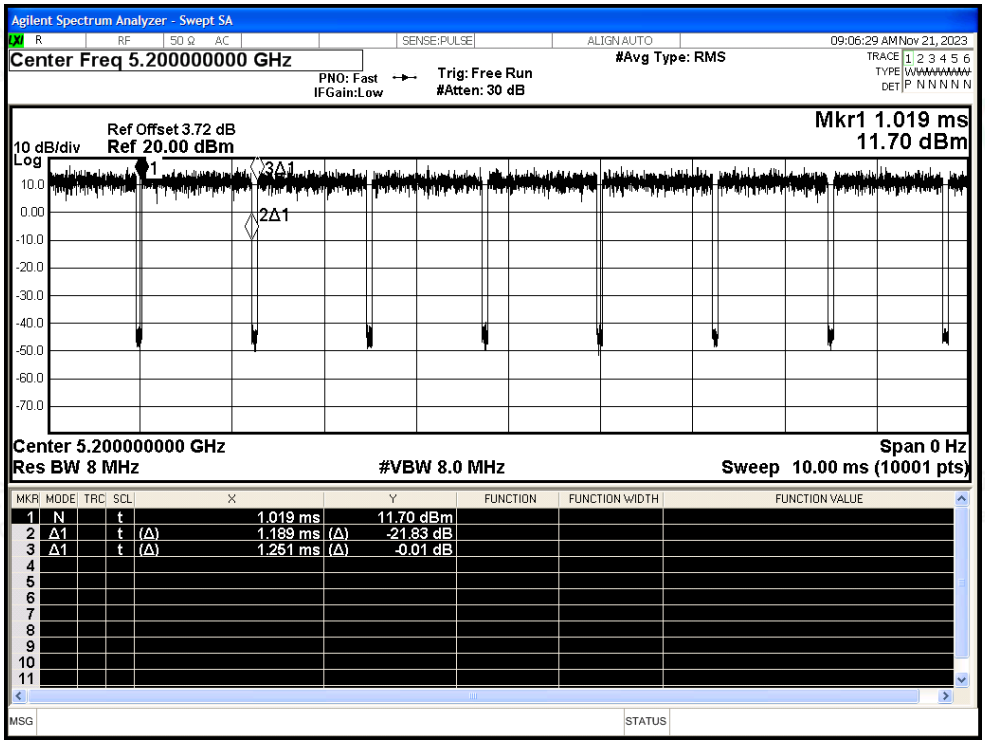
Duty Cycle NVNT n40 5230MHz Ant1



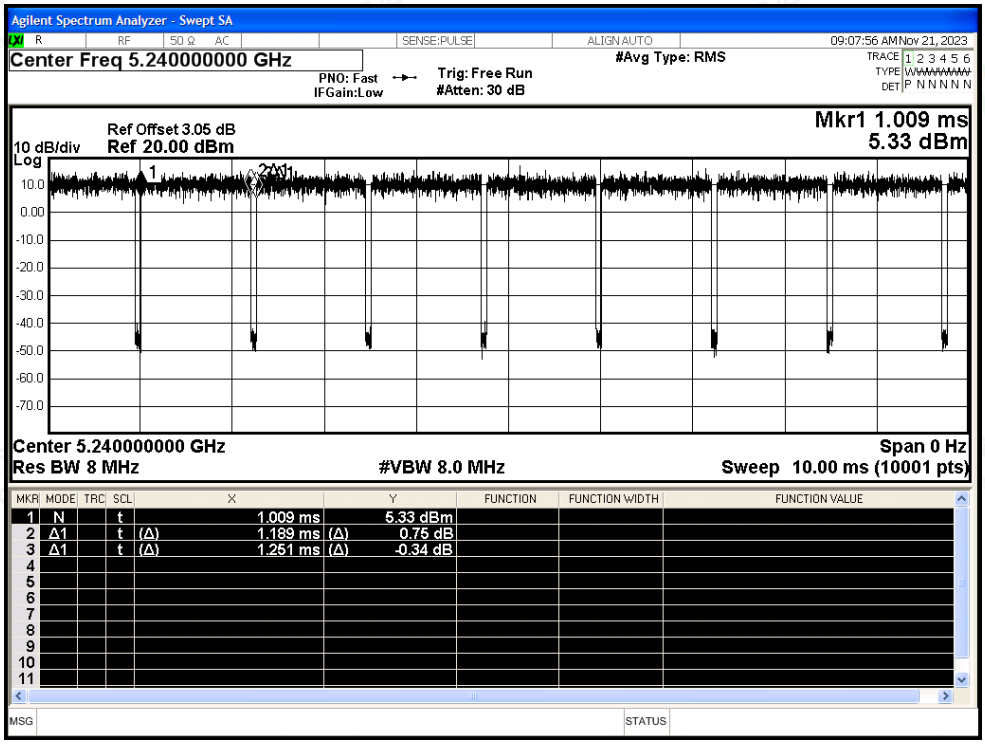
Duty Cycle NVNT ac20 5180MHz Ant1



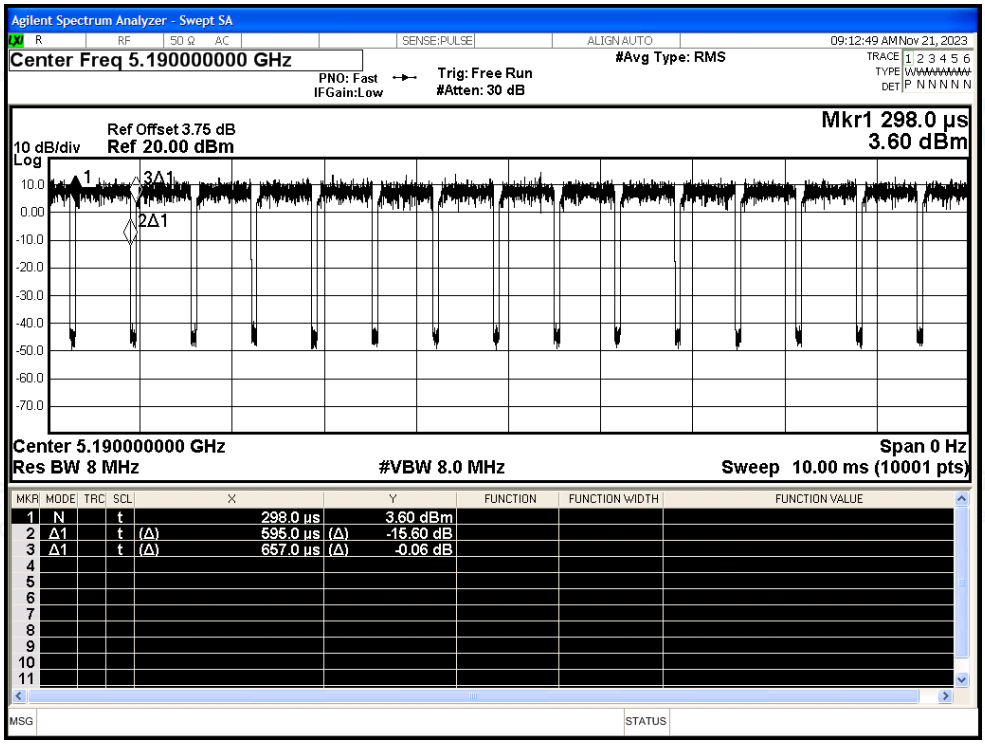
Duty Cycle NVNT ac20 5200MHz Ant1



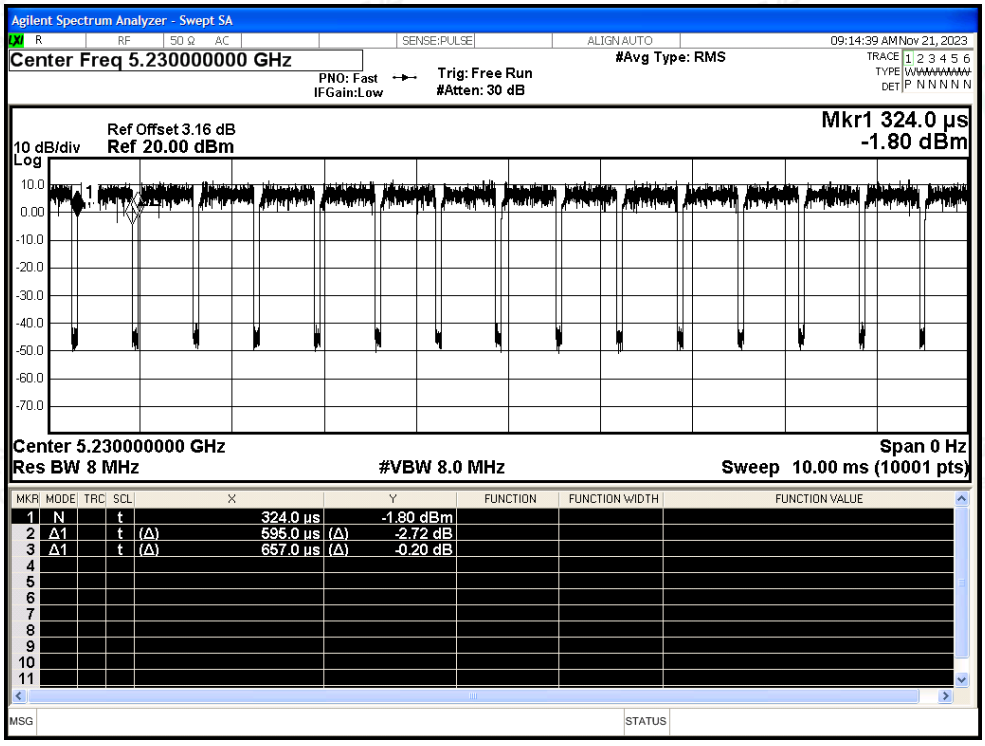
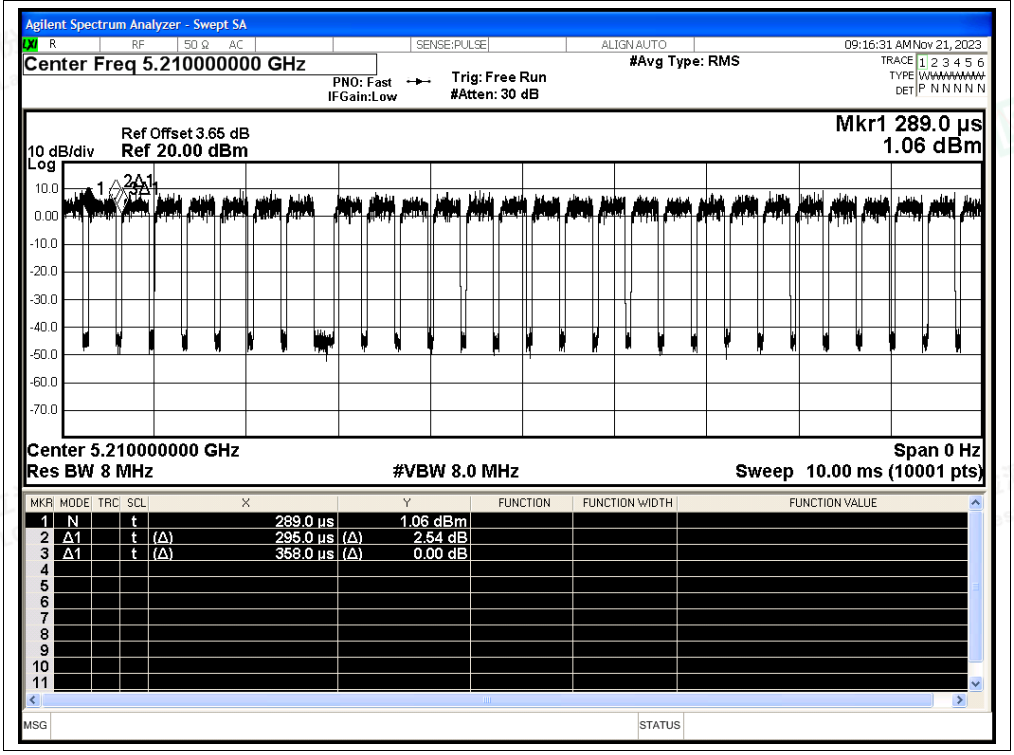
Duty Cycle NVNT ac20 5240MHz Ant1



Duty Cycle NVNT ac40 5190MHz Ant1



Duty Cycle NVNT ac40 5230MHz Ant1



Duty Cycle NVNT ac80 5210MHz Ant1