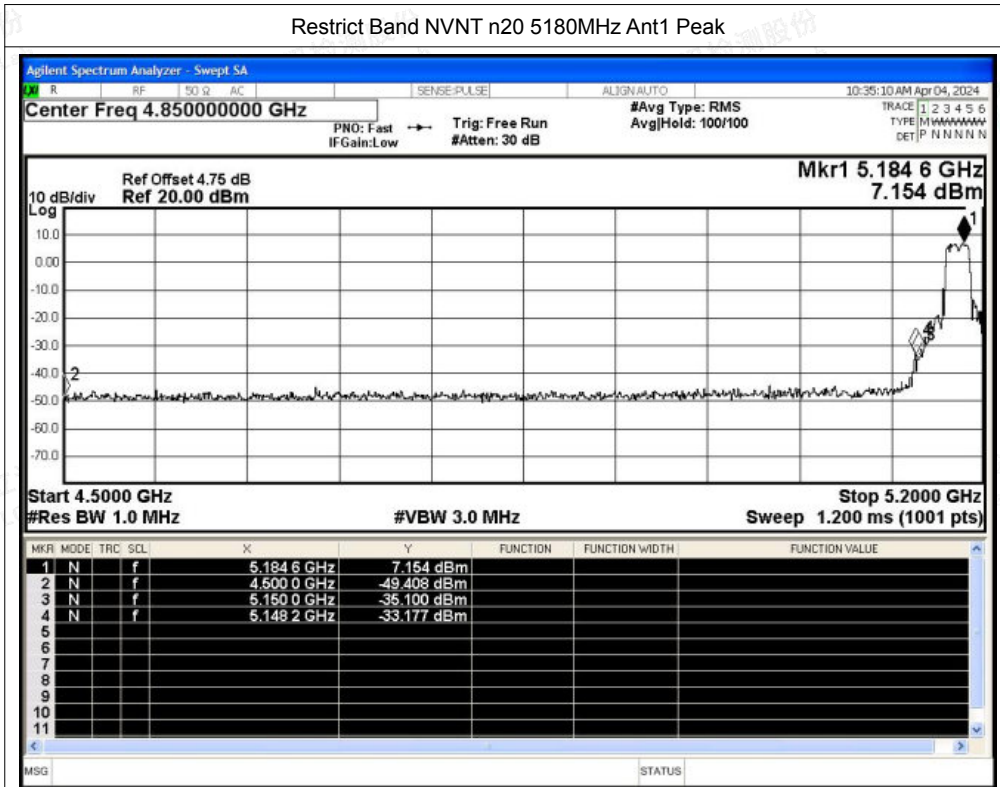
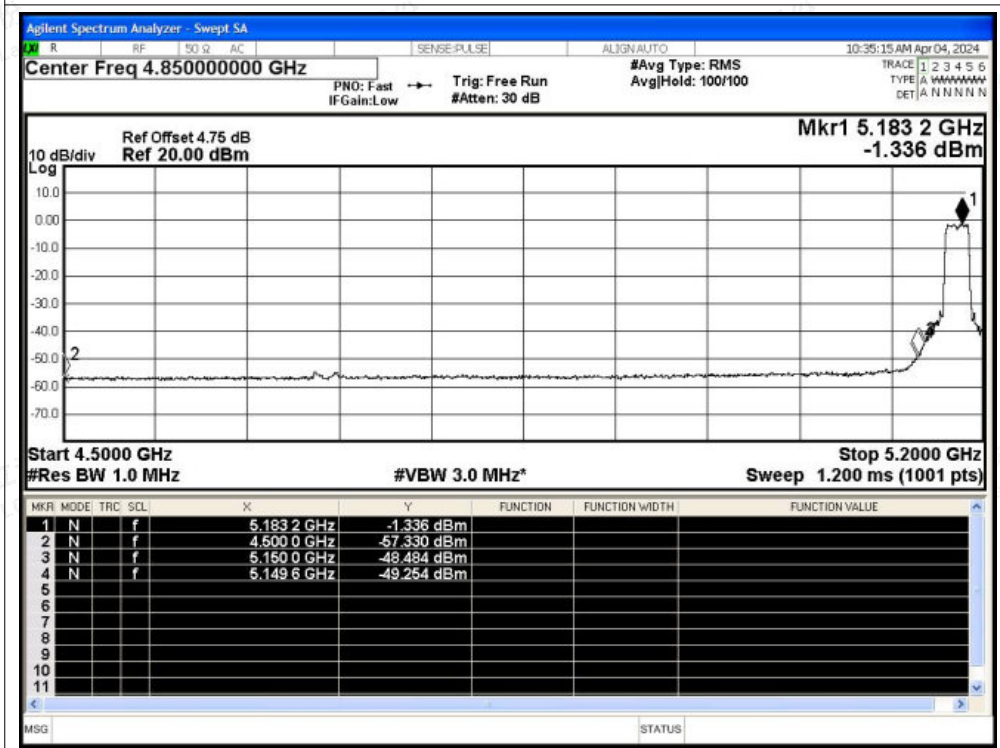




Restrict Band NVNT n20 5180MHz Ant1 Peak

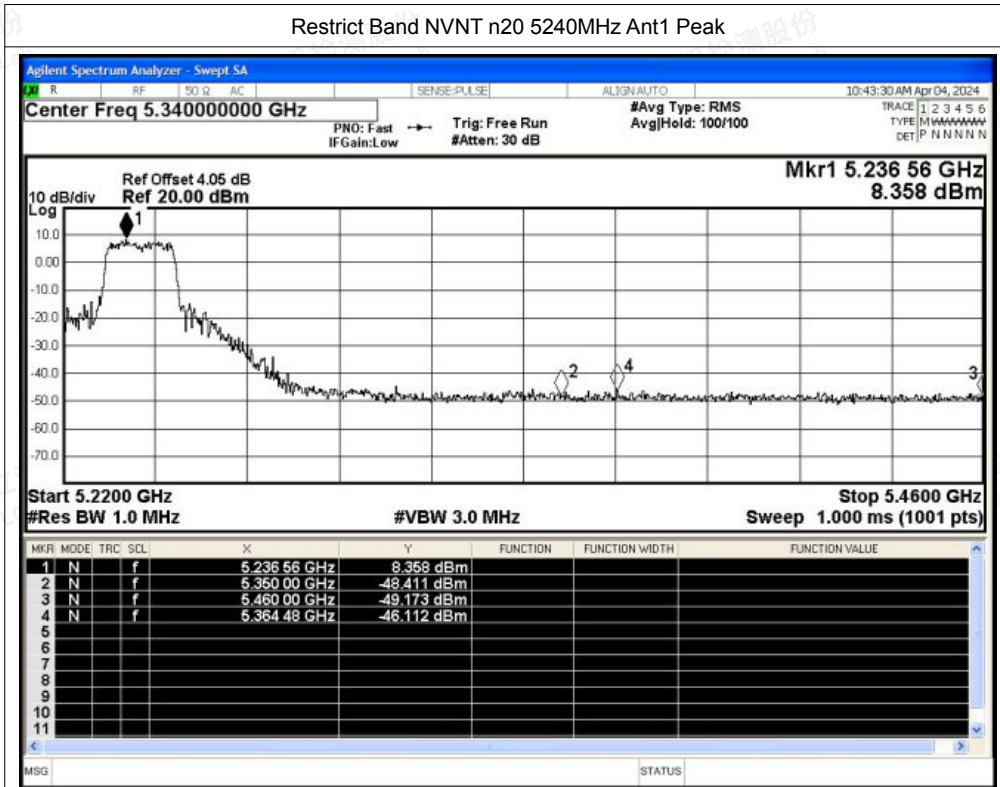


Restrict Band NVNT n20 5180MHz Ant1 Average

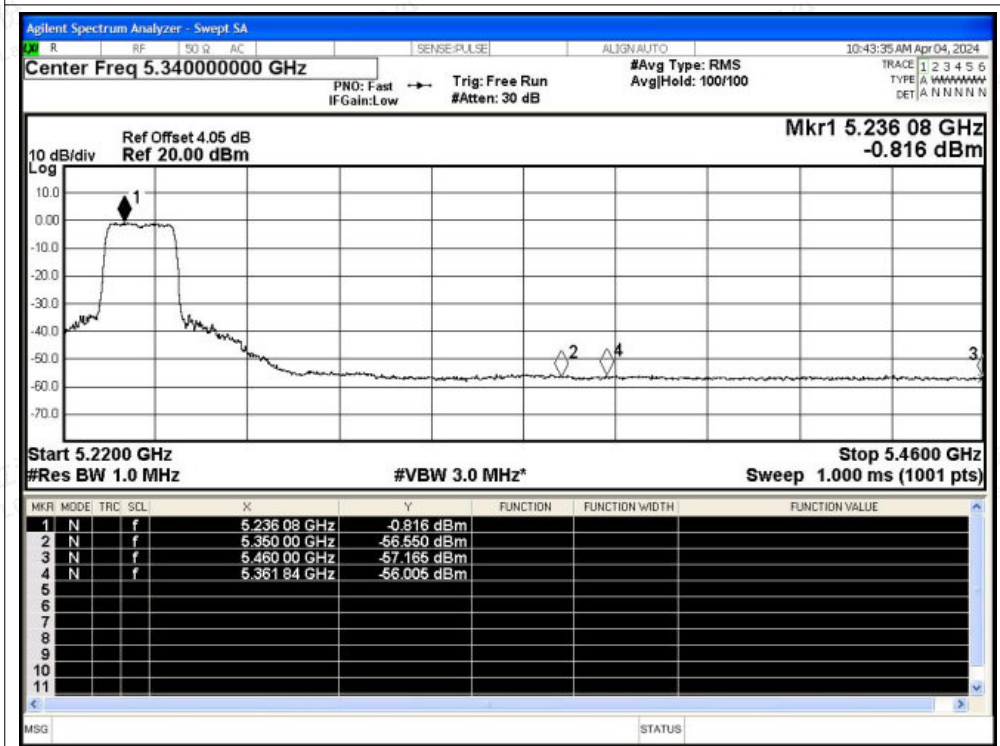




Restrict Band NVNT n20 5240MHz Ant1 Peak

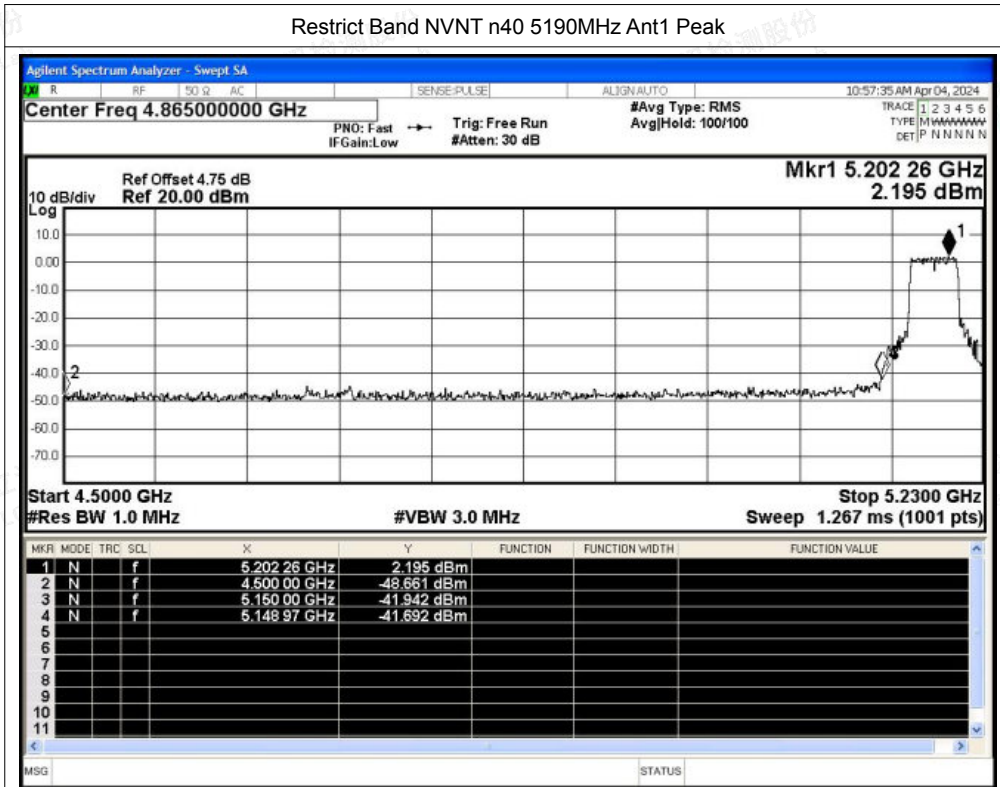


Restrict Band NVNT n20 5240MHz Ant1 Average

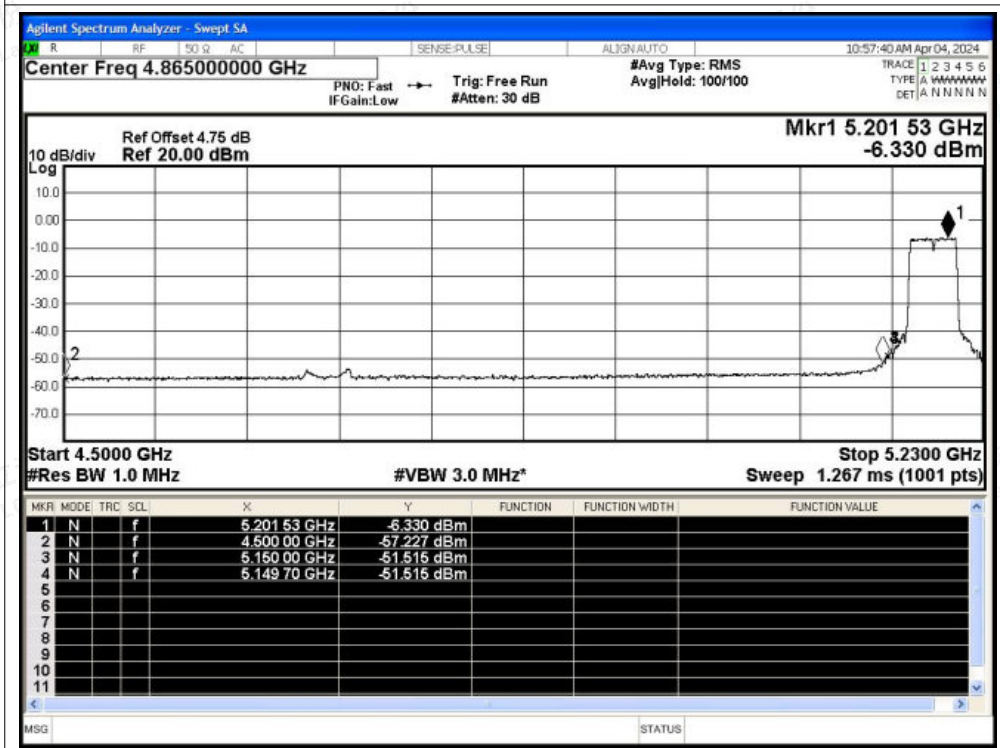




Restrict Band NVNT n40 5190MHz Ant1 Peak

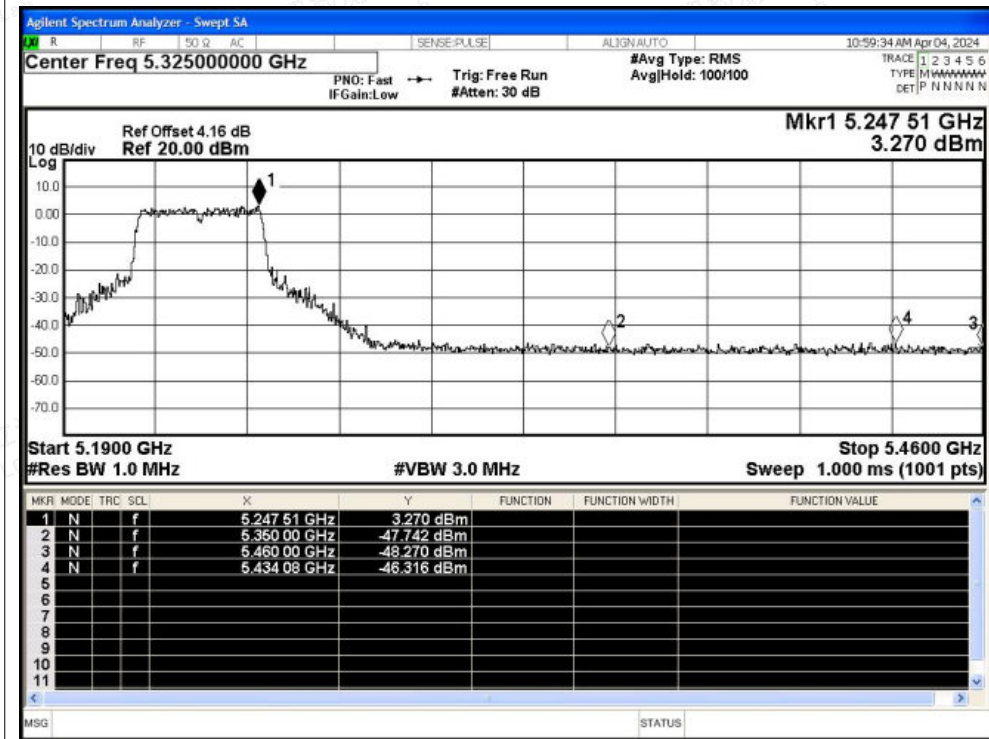


Restrict Band NVNT n40 5190MHz Ant1 Average

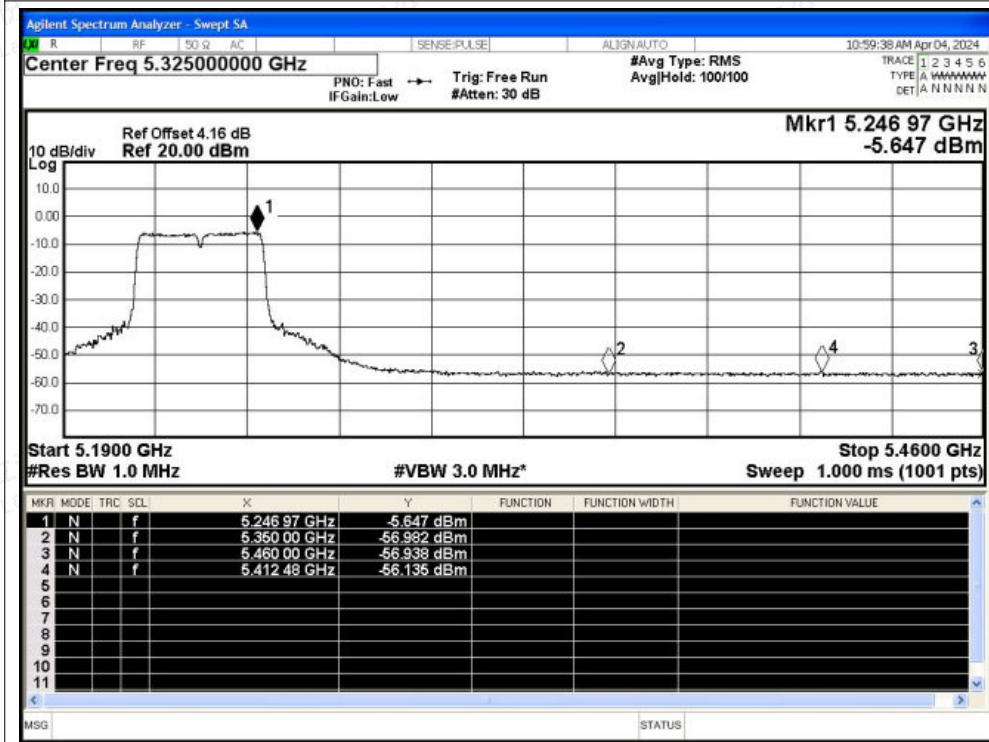




Restrict Band NVNT n40 5230MHz Ant1 Peak

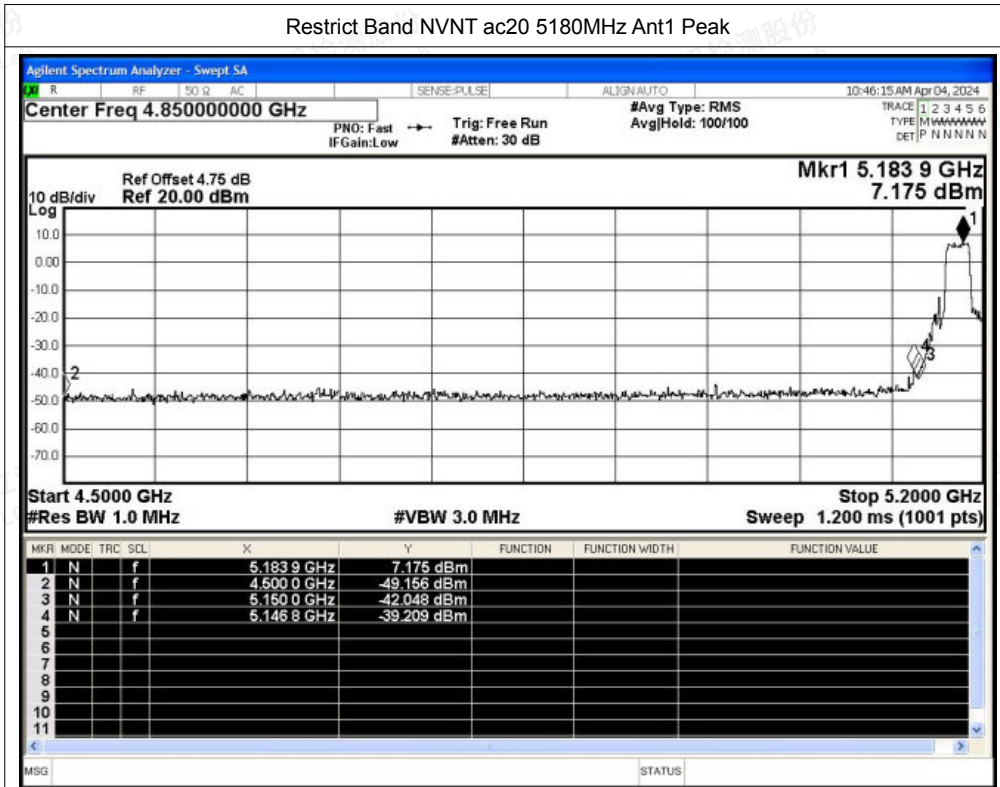


Restrict Band NVNT n40 5230MHz Ant1 Average

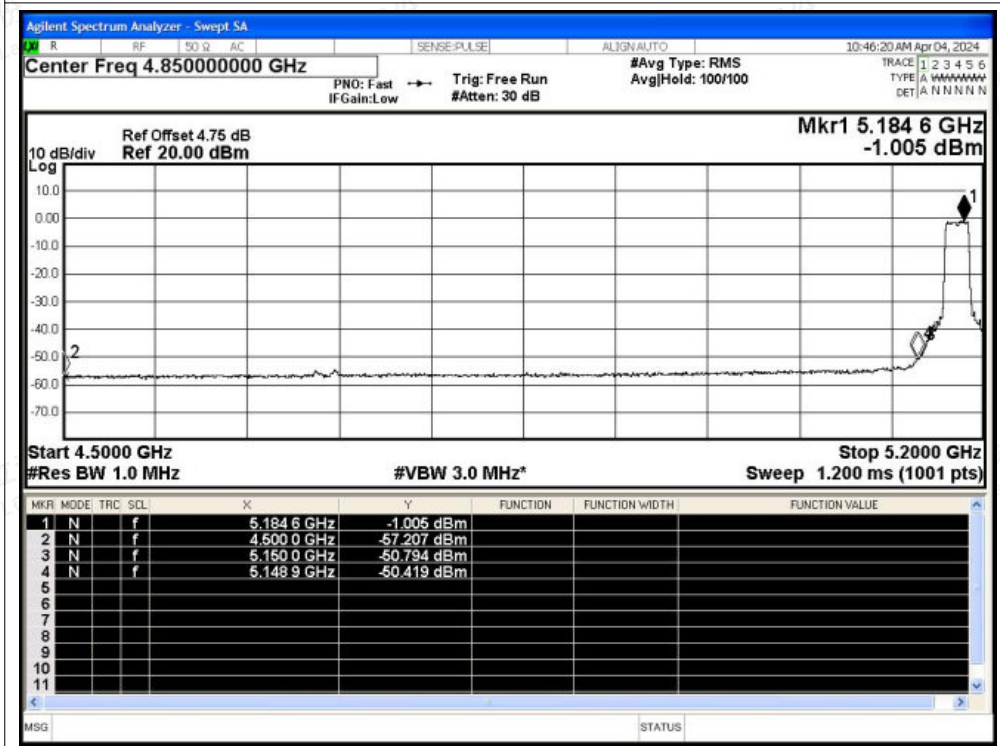




Restrict Band NVNT ac20 5180MHz Ant1 Peak

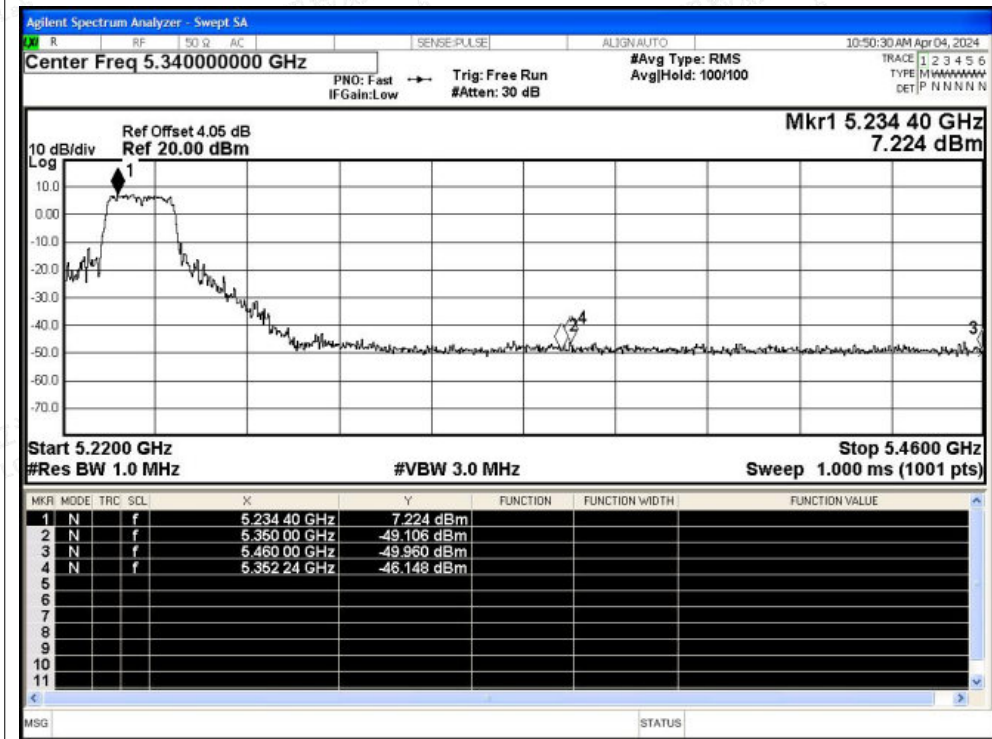


Restrict Band NVNT ac20 5180MHz Ant1 Average

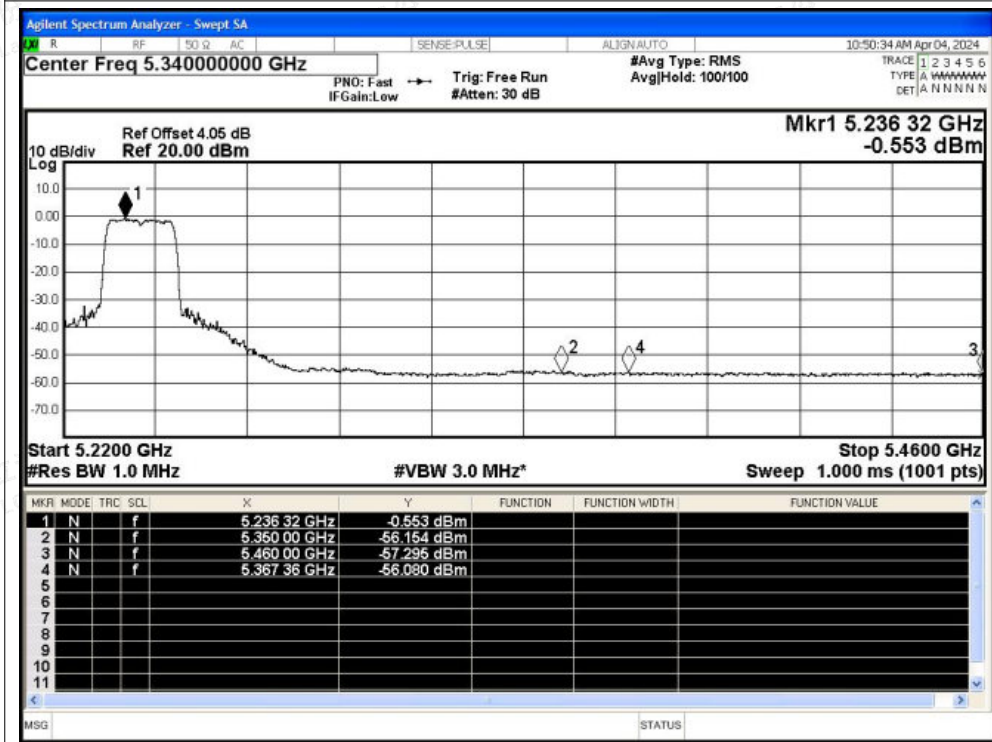




Restrict Band NVNT ac20 5240MHz Ant1 Peak

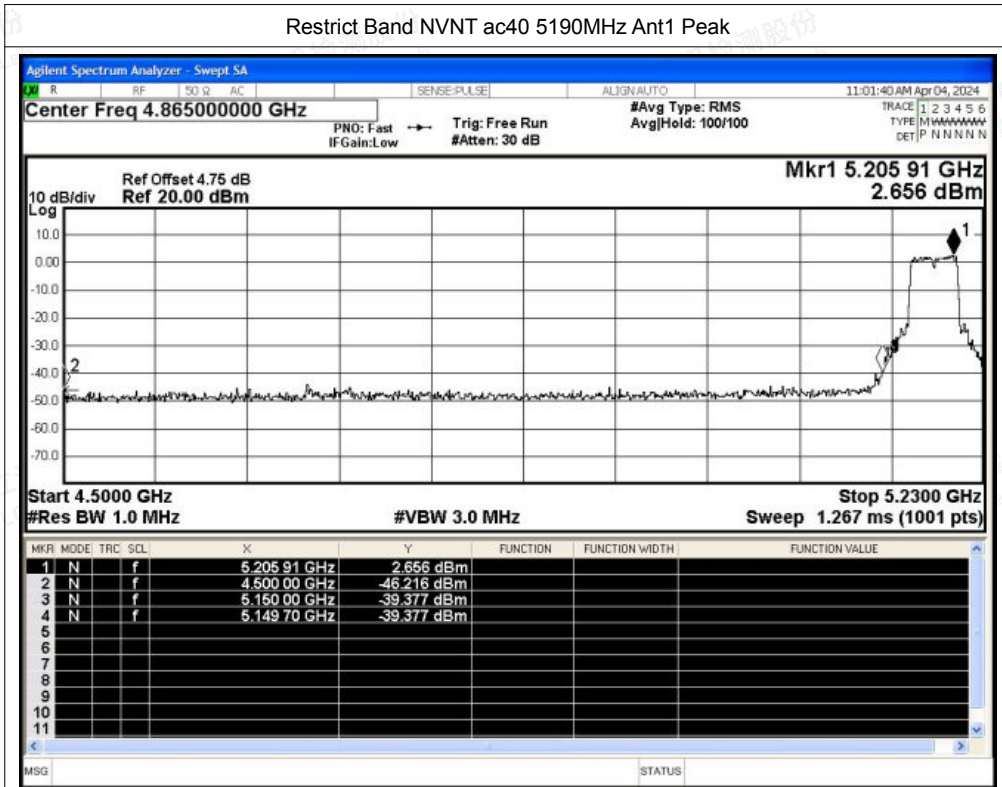


Restrict Band NVNT ac20 5240MHz Ant1 Average

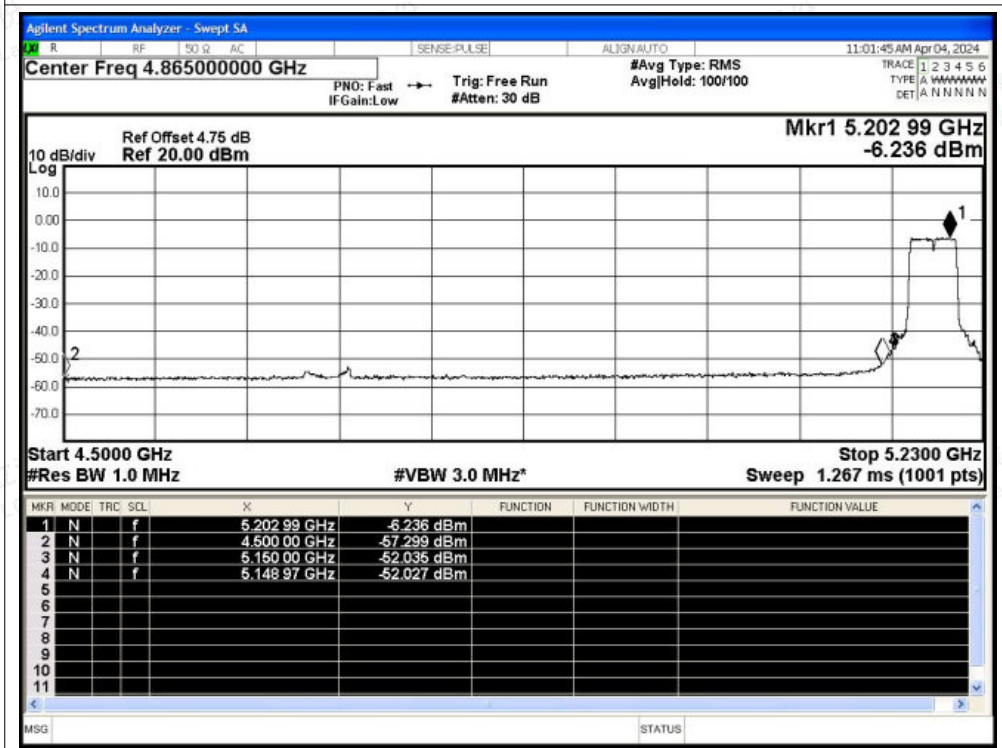




Restrict Band NVNT ac40 5190MHz Ant1 Peak

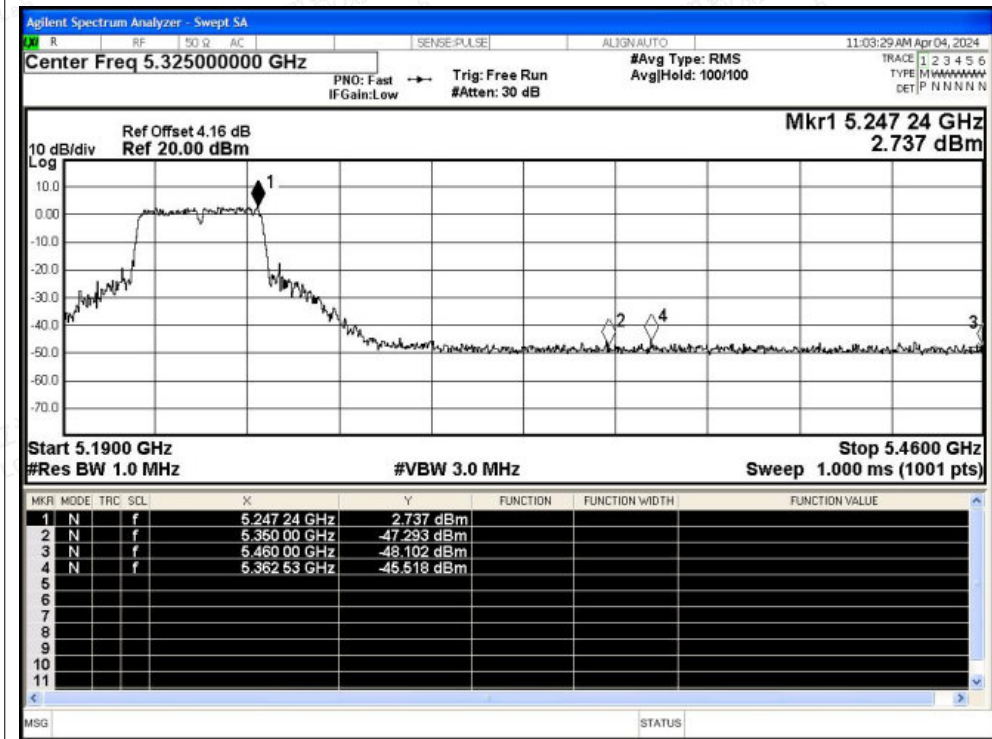


Restrict Band NVNT ac40 5190MHz Ant1 Average

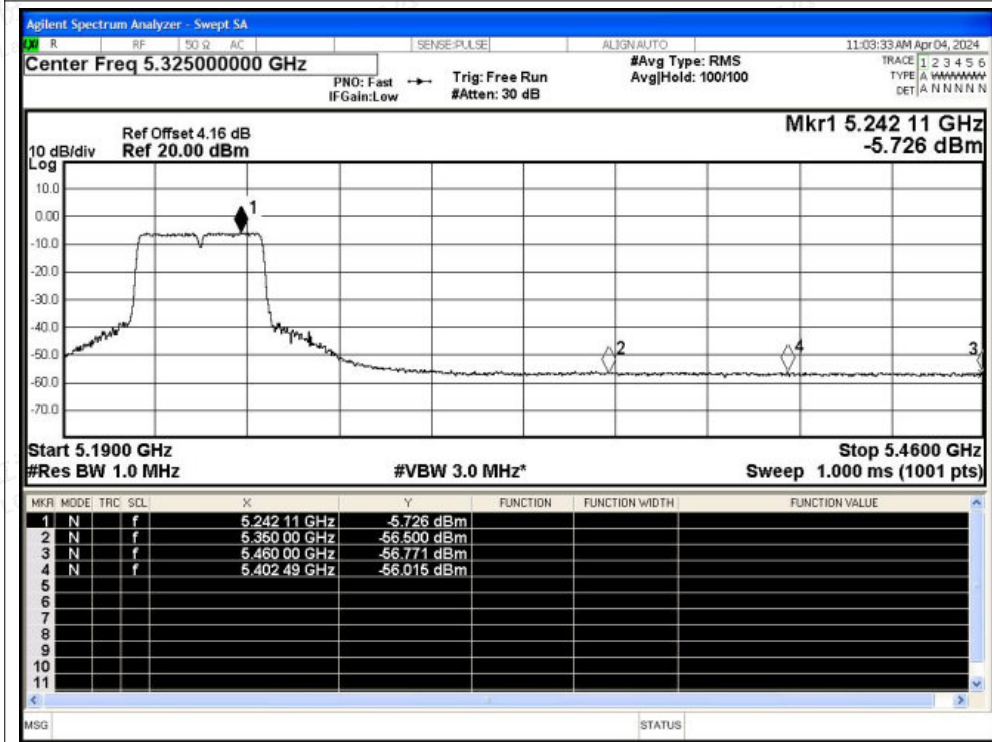




Restrict Band NVNT ac40 5230MHz Ant1 Peak

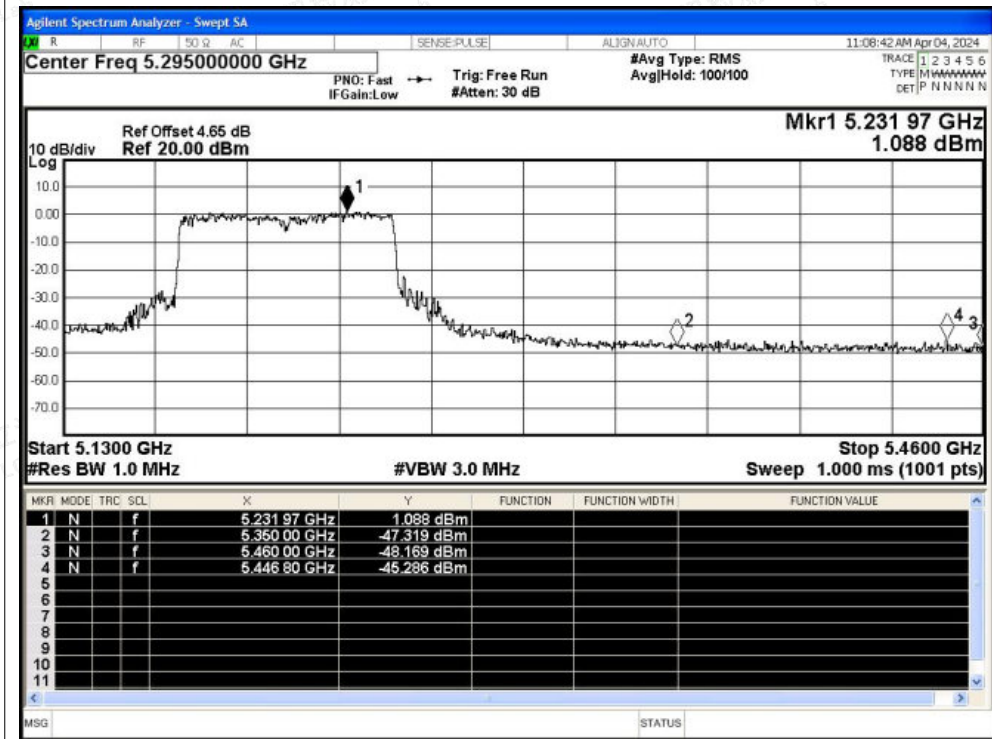


Restrict Band NVNT ac40 5230MHz Ant1 Average

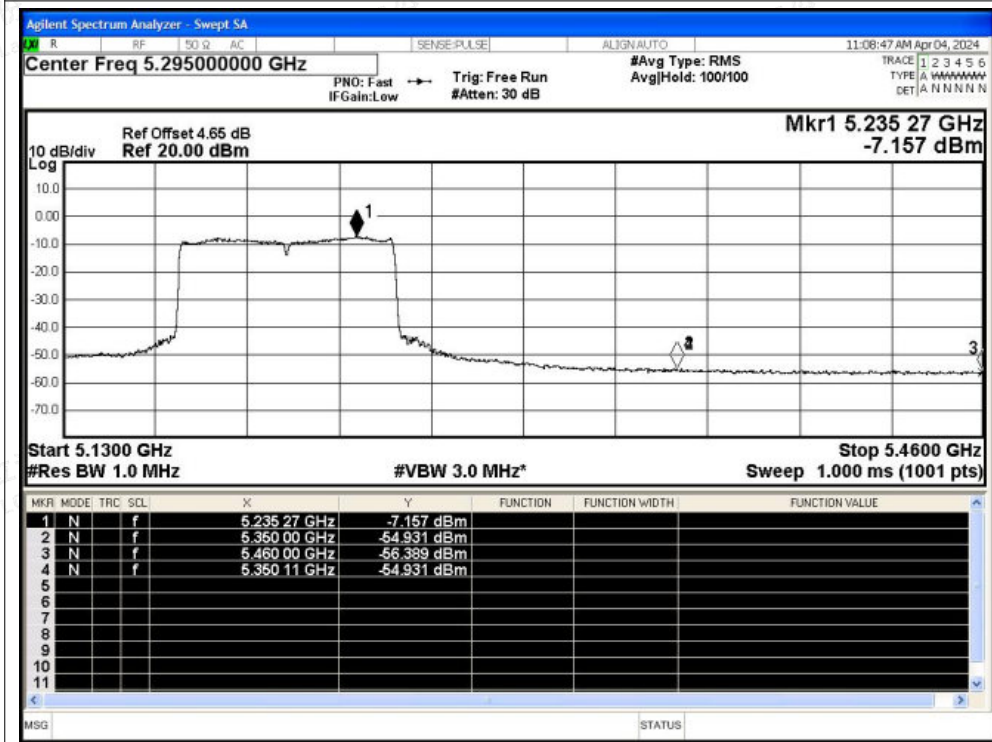




Restrict Band NVNT ac80 5210MHz Ant1 Peak

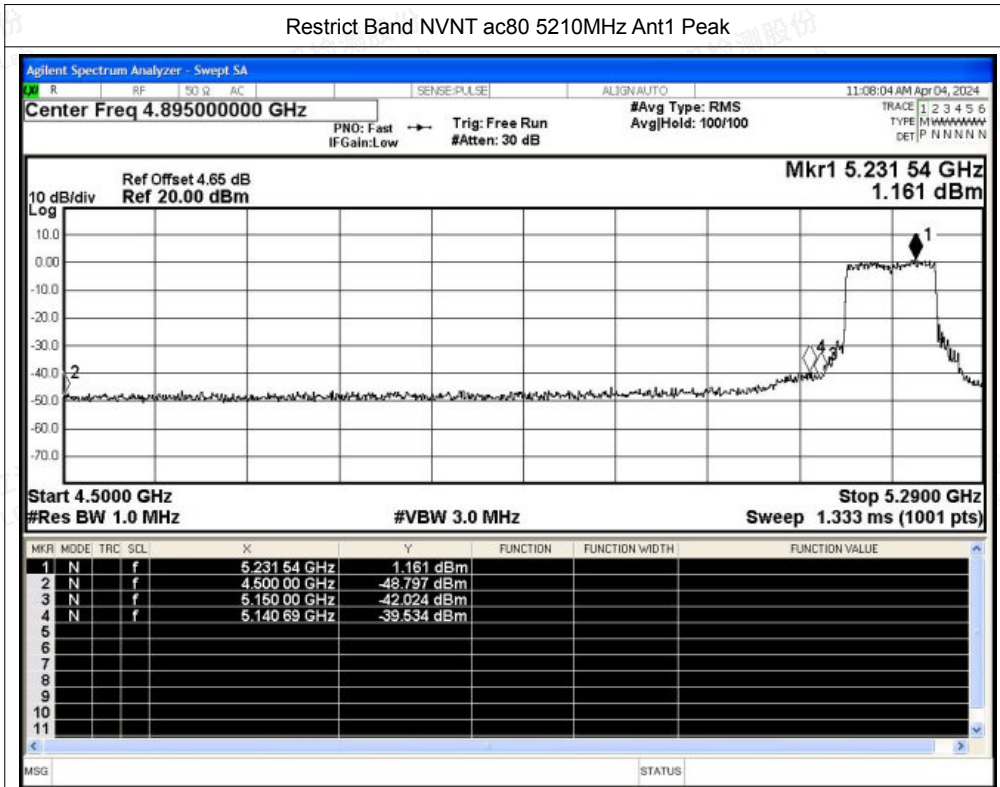


Restrict Band NVNT ac80 5210MHz Ant1 Average

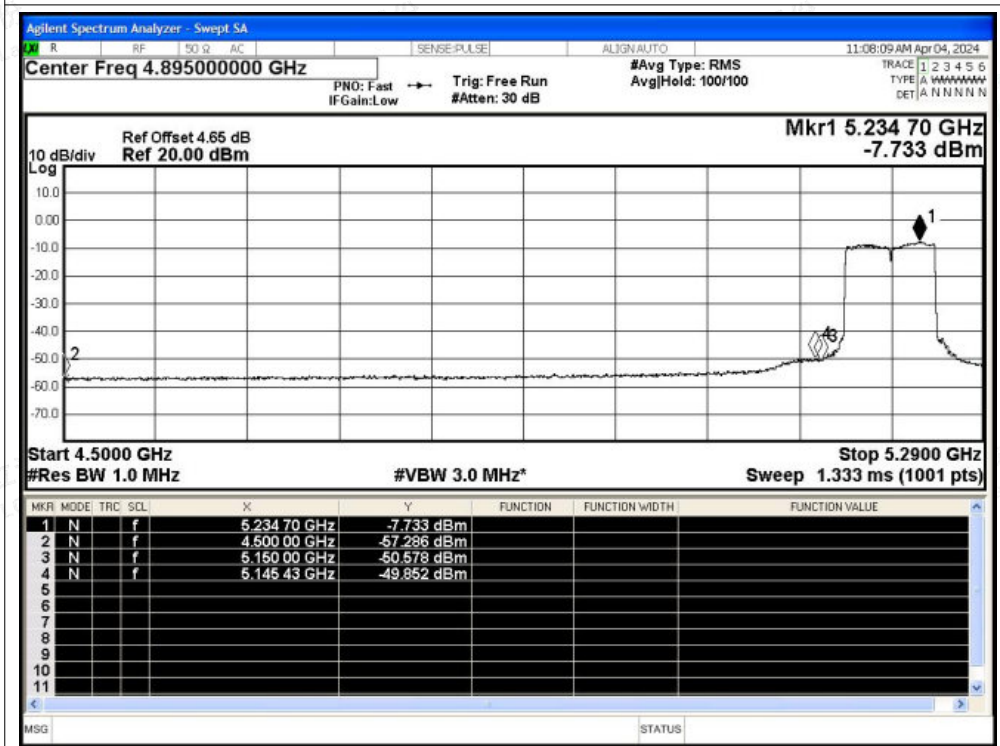




Restrict Band NVNT ac80 5210MHz Ant1 Peak



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	-50.14	-49.41	5.75	54.23	Peak	74	Pass
NVNT	n20	5180	-57.36	-57.33	5.75	46.64	Average	54	Pass
NVNT	n20	5180	-42.51	-33.18	5.75	68.28	Peak	74	Pass
NVNT	n20	5180	-54.5	-49.25	5.75	52.86	Average	54	Pass
NVNT	n20	5180	-44.92	-35.1	5.75	66.31	Peak	74	Pass
NVNT	n20	5180	-54.66	-48.48	5.75	53.44	Average	54	Pass
NVNT	n20	5240	-48.77	-48.41	5.75	55.40	Peak	74	Pass
NVNT	n20	5240	-56.95	-56.55	5.75	47.24	Average	54	Pass
NVNT	n20	5240	-46.54	-46.11	5.75	57.67	Peak	74	Pass
NVNT	n20	5240	-56.08	-56.01	5.75	47.94	Average	54	Pass
NVNT	n20	5240	-49.97	-49.17	5.75	54.44	Peak	74	Pass
NVNT	n20	5240	-57.23	-57.17	5.75	46.79	Average	54	Pass
NVNT	n40	5190	-48.36	-48.66	5.75	55.48	Peak	74	Pass
NVNT	n40	5190	-57.18	-57.23	5.75	46.78	Average	54	Pass
NVNT	n40	5190	-41.25	-41.69	5.75	62.52	Peak	74	Pass
NVNT	n40	5190	-53.95	-51.52	5.75	51.42	Average	54	Pass
NVNT	n40	5190	-41.84	-41.94	5.75	62.10	Peak	74	Pass
NVNT	n40	5190	-53.95	-51.52	5.75	51.42	Average	54	Pass
NVNT	n40	5230	-47.31	-47.74	5.75	56.47	Peak	74	Pass
NVNT	n40	5230	-56.9	-56.98	5.75	47.05	Average	54	Pass
NVNT	n40	5230	-45.7	-46.32	5.75	57.99	Peak	74	Pass
NVNT	n40	5230	-56.2	-56.14	5.75	47.82	Average	54	Pass
NVNT	n40	5230	-49.66	-48.27	5.75	55.08	Peak	74	Pass
NVNT	n40	5230	-57.18	-56.94	5.75	46.93	Average	54	Pass
NVNT	ac20	5180	-49.34	-49.16	5.75	54.74	Peak	74	Pass
NVNT	ac20	5180	-57.38	-57.21	5.75	46.69	Average	54	Pass
NVNT	ac20	5180	-43.88	-39.21	5.75	63.04	Peak	74	Pass
NVNT	ac20	5180	-53.69	-50.42	5.75	52.23	Average	54	Pass
NVNT	ac20	5180	-43.29	-42.05	5.75	61.36	Peak	74	Pass
NVNT	ac20	5180	-53.98	-50.79	5.75	51.89	Average	54	Pass
NVNT	ac20	5240	-50.11	-49.11	5.75	54.41	Peak	74	Pass
NVNT	ac20	5240	-56.6	-56.15	5.75	47.62	Average	54	Pass
NVNT	ac20	5240	-46.46	-46.15	5.75	57.69	Peak	74	Pass
NVNT	ac20	5240	-56.18	-56.08	5.75	47.86	Average	54	Pass
NVNT	ac20	5240	-49.8	-49.96	5.75	54.11	Peak	74	Pass
NVNT	ac20	5240	-56.63	-57.3	5.75	47.04	Average	54	Pass
NVNT	ac40	5190	-49.47	-46.22	5.75	56.44	Peak	74	Pass





NVNT	ac40	5190	-57.17	-57.3	5.75	46.75	Average	54	Pass
NVNT	ac40	5190	-41.63	-39.38	5.75	63.63	Peak	74	Pass
NVNT	ac40	5190	-53.43	-52.03	5.75	51.31	Average	54	Pass
NVNT	ac40	5190	-41.63	-39.38	5.75	63.63	Peak	74	Pass
NVNT	ac40	5190	-53.43	-52.04	5.75	51.31	Average	54	Pass
NVNT	ac40	5230	-48.03	-47.29	5.75	56.34	Peak	74	Pass
NVNT	ac40	5230	-57.02	-56.5	5.75	47.24	Average	54	Pass
NVNT	ac40	5230	-45.85	-45.52	5.75	58.31	Peak	74	Pass
NVNT	ac40	5230	-56.01	-56.02	5.75	47.97	Average	54	Pass
NVNT	ac40	5230	-50.17	-48.1	5.75	54.98	Peak	74	Pass
NVNT	ac40	5230	-57.01	-56.77	5.75	47.10	Average	54	Pass
NVNT	ac80	5210	-47.54	-47.32	5.75	56.56	Peak	74	Pass
NVNT	ac80	5210	-56.64	-54.93	5.75	48.29	Average	54	Pass
NVNT	ac80	5210	-45.81	-45.29	5.75	58.45	Peak	74	Pass
NVNT	ac80	5210	-55.61	-54.93	5.75	48.73	Average	54	Pass
NVNT	ac80	5210	-47.11	-48.17	5.75	56.38	Peak	74	Pass
NVNT	ac80	5210	-56.63	-56.39	5.75	47.48	Average	54	Pass
NVNT	ac80	5210	-48.89	-48.8	5.75	55.14	Peak	74	Pass
NVNT	ac80	5210	-56.79	-57.29	5.75	46.96	Average	54	Pass
NVNT	ac80	5210	-43.3	-39.53	5.75	62.97	Peak	74	Pass
NVNT	ac80	5210	-54.49	-49.85	5.75	52.41	Average	54	Pass
NVNT	ac80	5210	-45.97	-42.02	5.75	60.43	Peak	74	Pass
NVNT	ac80	5210	-54.92	-50.58	5.75	51.76	Average	54	Pass





D.5 Frequency Stability

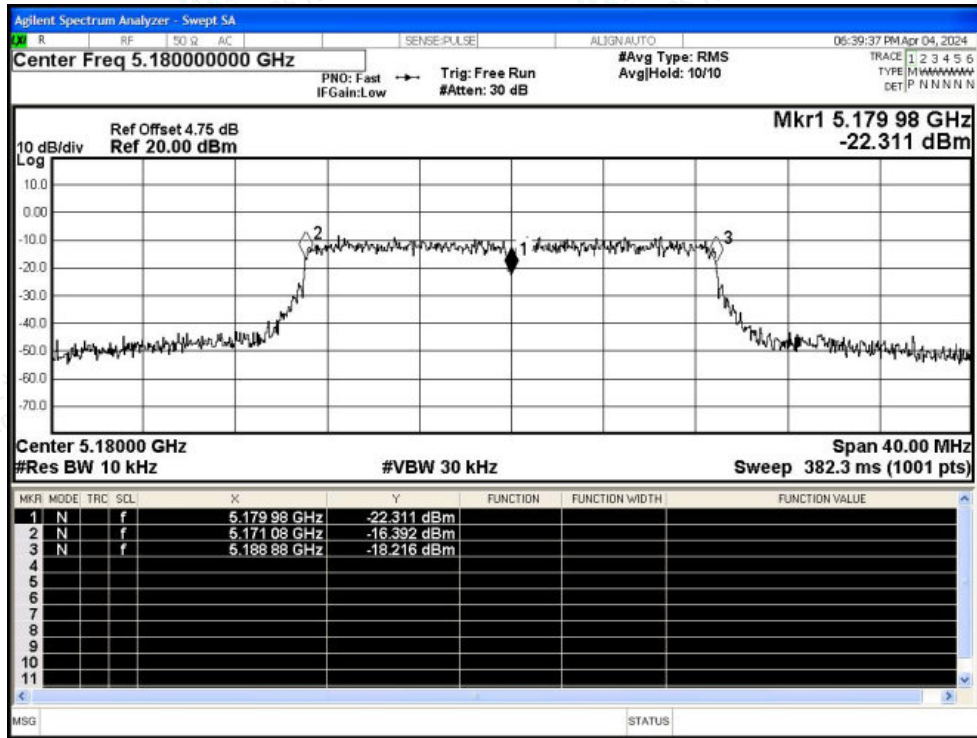
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	ac20	5180	Ant0	5179.98	-20000	-3.86	25	Pass
NVNT	ac20	5200	Ant0	5199.96	-40000	-7.69	25	Pass
NVNT	ac20	5240	Ant0	5240	0	0	25	Pass
NVNT	ac40	5190	Ant0	5189.96	-40000	-7.71	25	Pass
NVNT	ac40	5230	Ant0	5229.96	-40000	-7.65	25	Pass
NVNT	ac80	5210	Ant0	5210	0	0	25	Pass



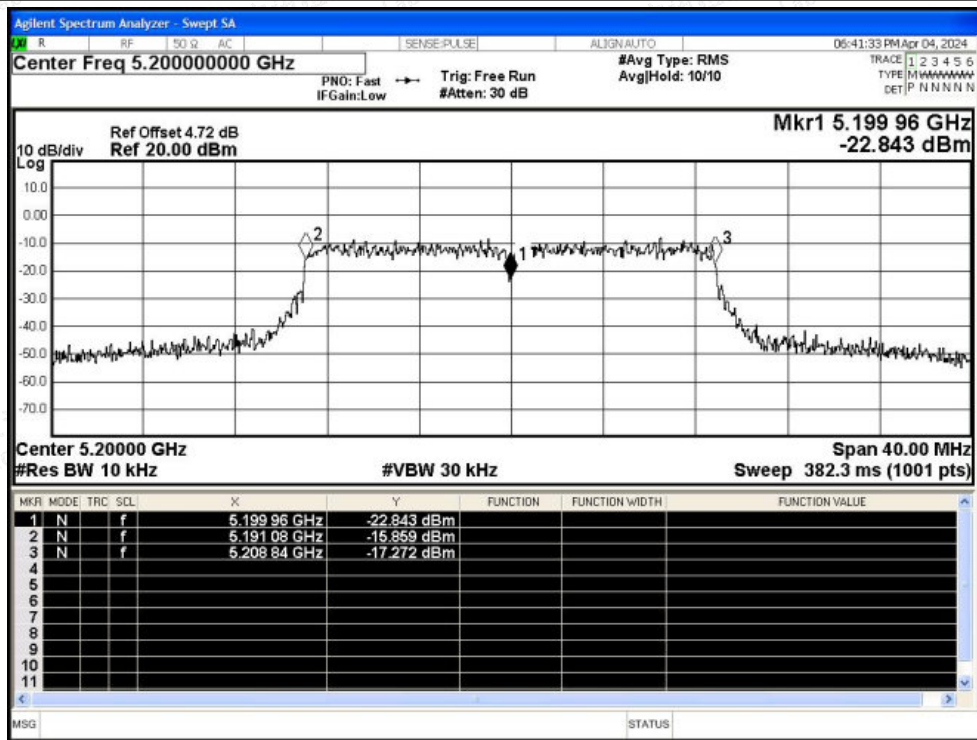


Test Graphs

Freq. Stability NVNT ac20 5180MHz Ant0

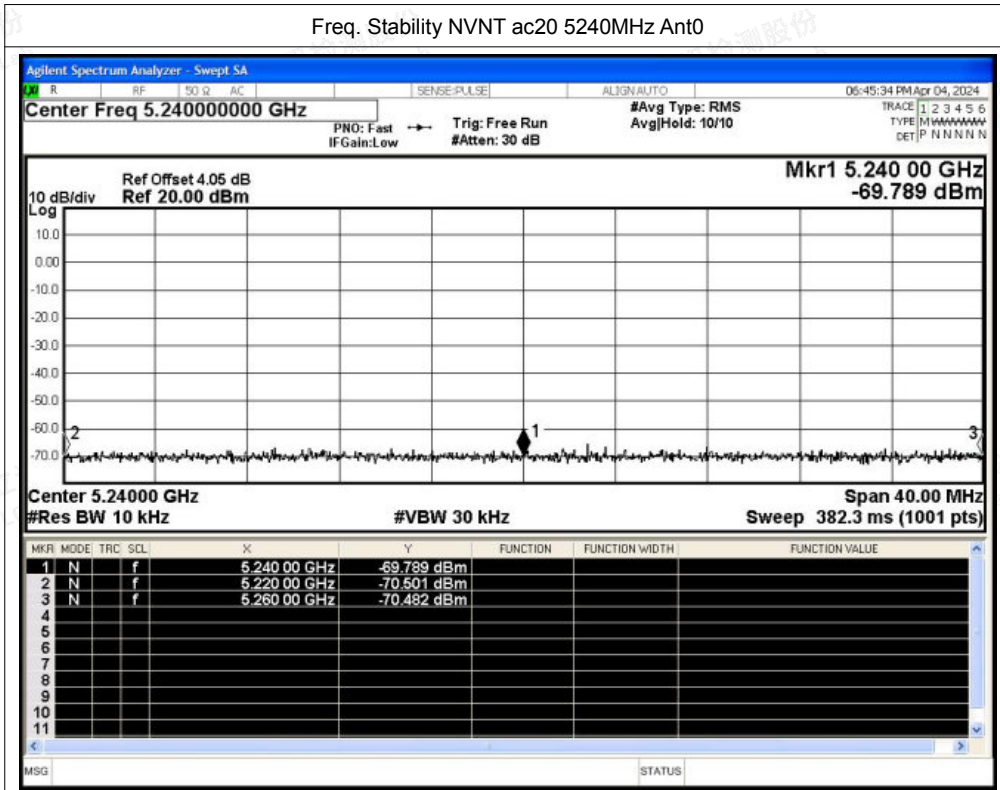


Freq. Stability NVNT ac20 5200MHz Ant0

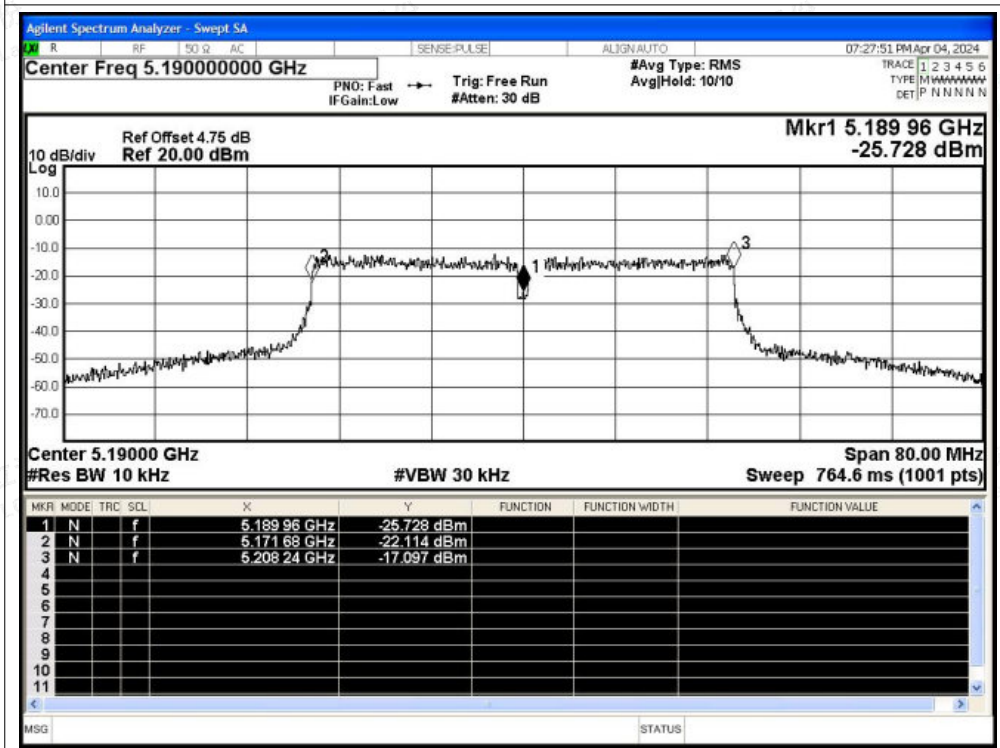




Freq. Stability NVNT ac20 5240MHz Ant0

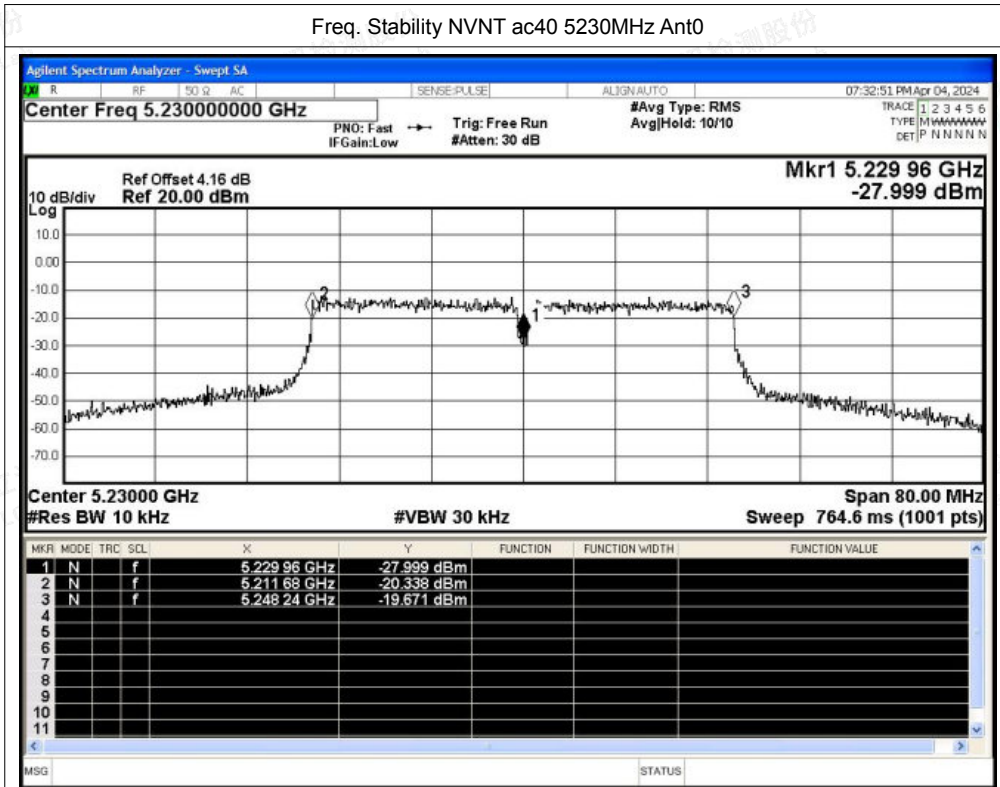


Freq. Stability NVNT ac40 5190MHz Ant0

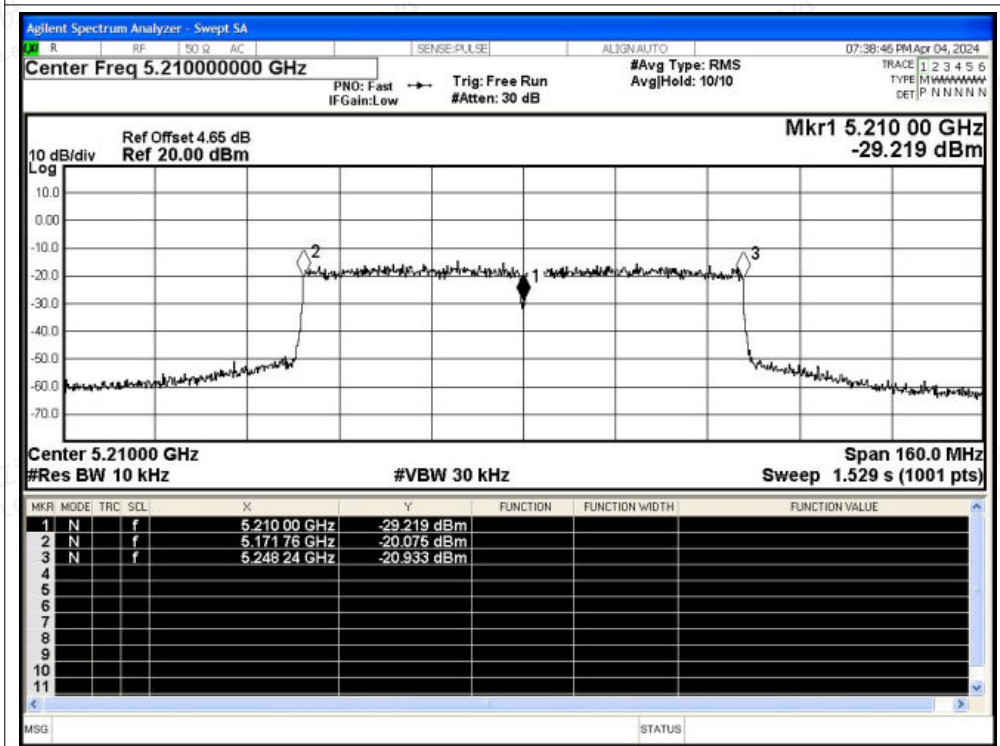




Freq. Stability NVNT ac40 5230MHz Ant0



Freq. Stability NVNT ac80 5210MHz Ant0





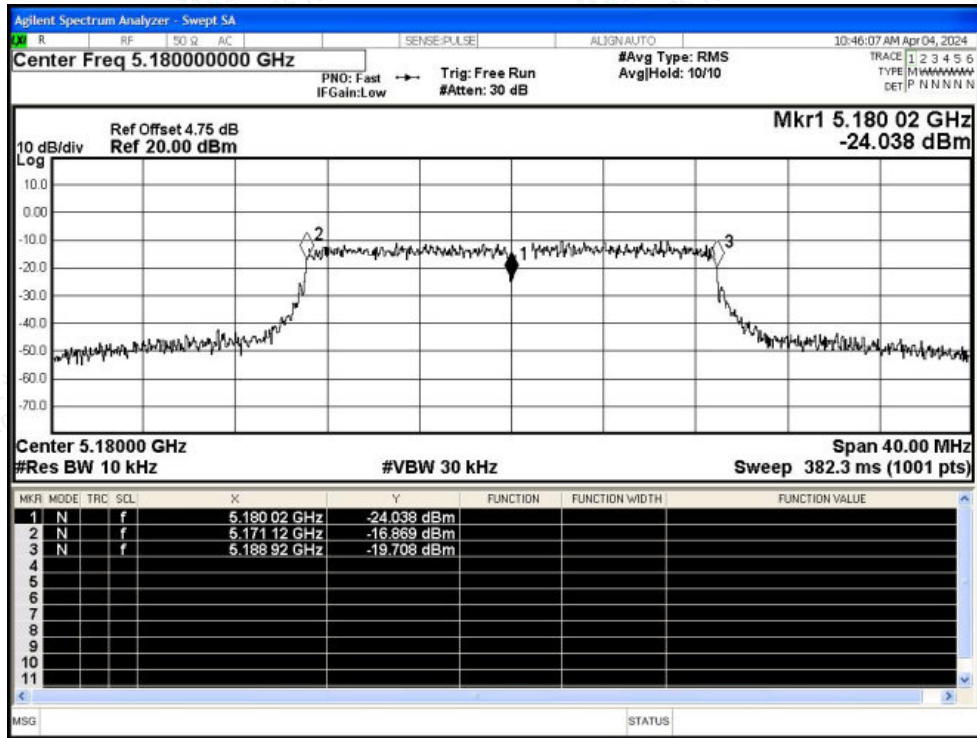
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	ac20	5180	Ant1	5180.02	20000	3.86	25	Pass
NVNT	ac20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
NVNT	ac20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
NVNT	ac40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
NVNT	ac40	5230	Ant1	5230	0	0	25	Pass
NVNT	ac80	5210	Ant1	5210	0	0	25	Pass



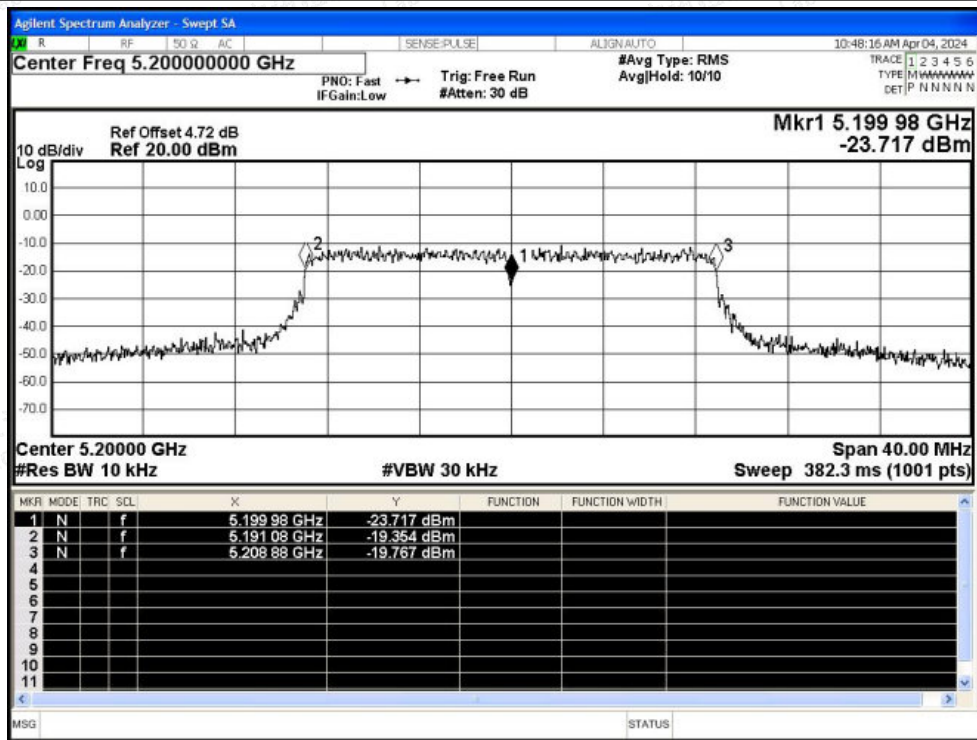


Test Graphs

Freq. Stability NVNT ac20 5180MHz Ant1

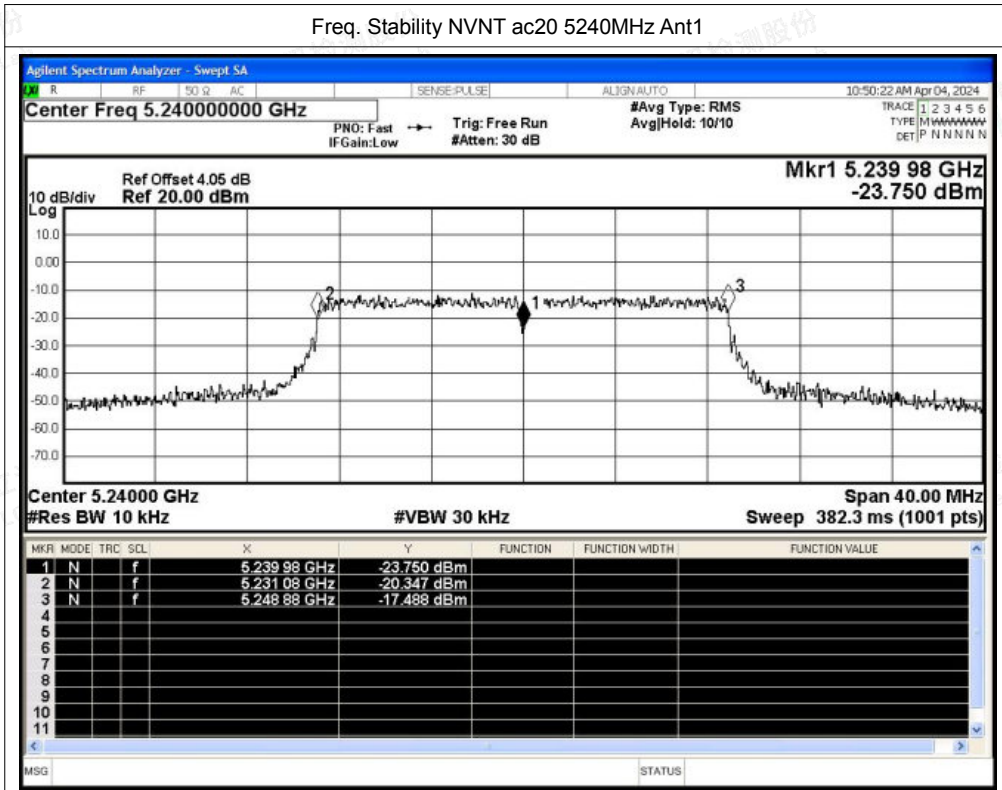


Freq. Stability NVNT ac20 5200MHz Ant1

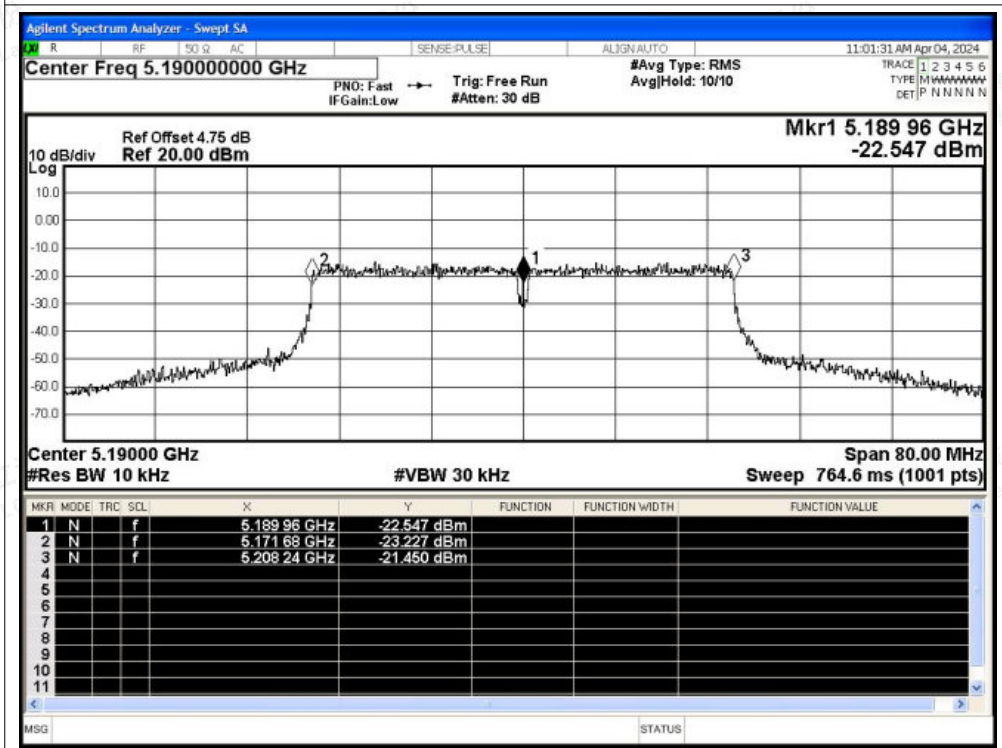




Freq. Stability NVNT ac20 5240MHz Ant1

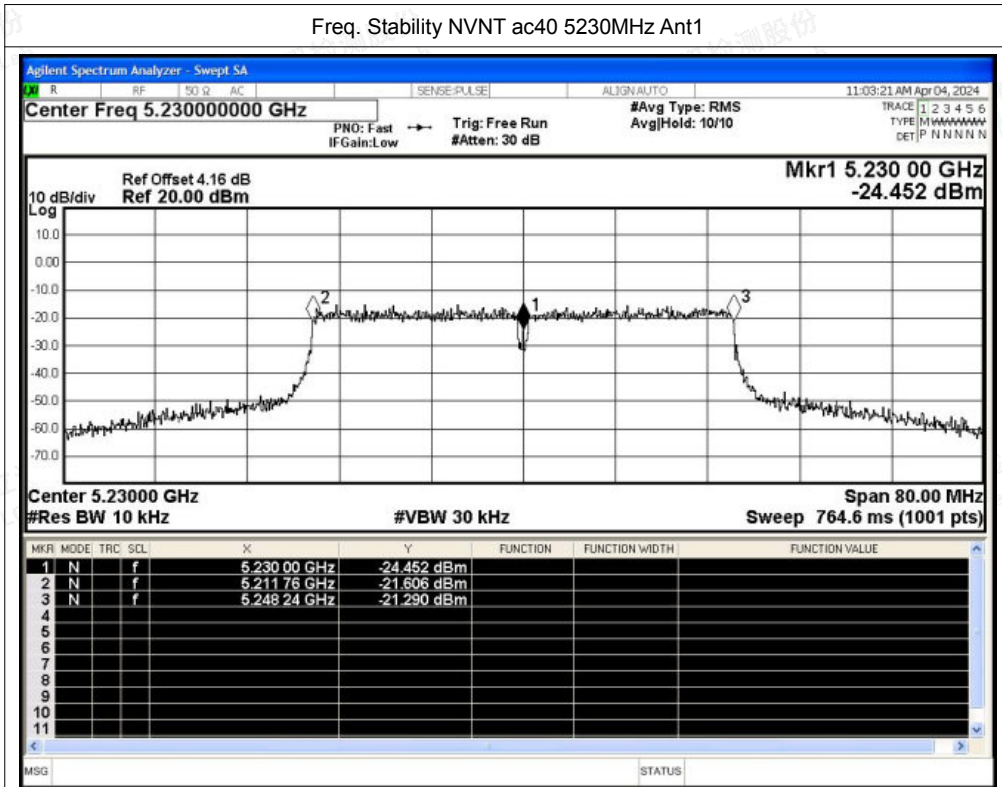


Freq. Stability NVNT ac40 5190MHz Ant1

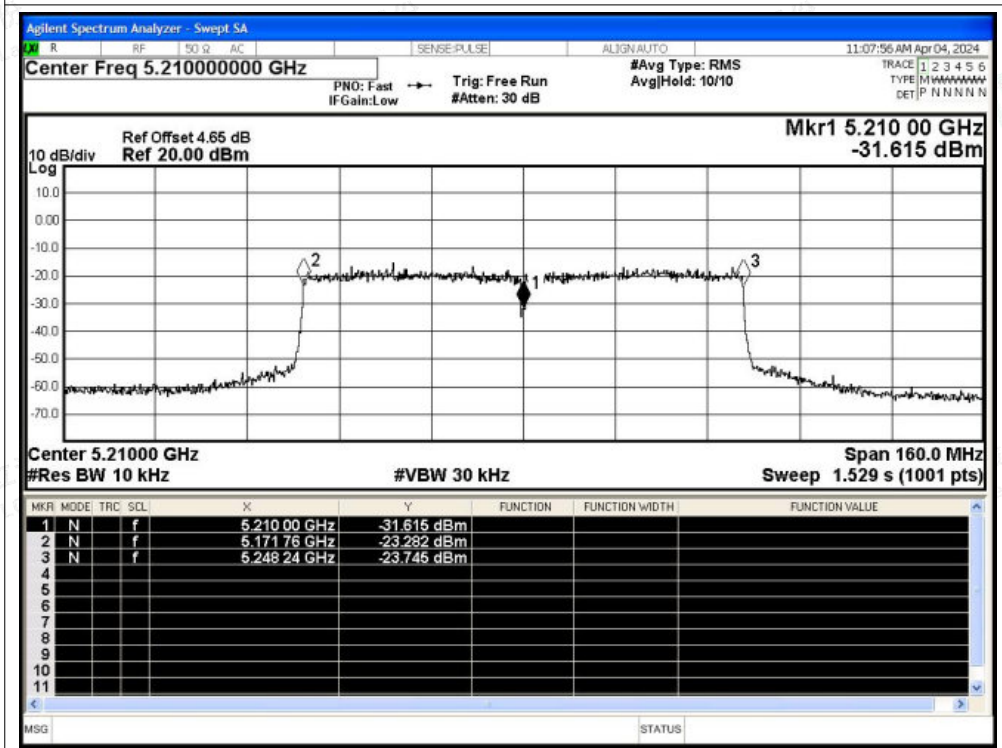




Freq. Stability NVNT ac40 5230MHz Ant1



Freq. Stability NVNT ac80 5210MHz Ant1





D.6 Duty Cycle

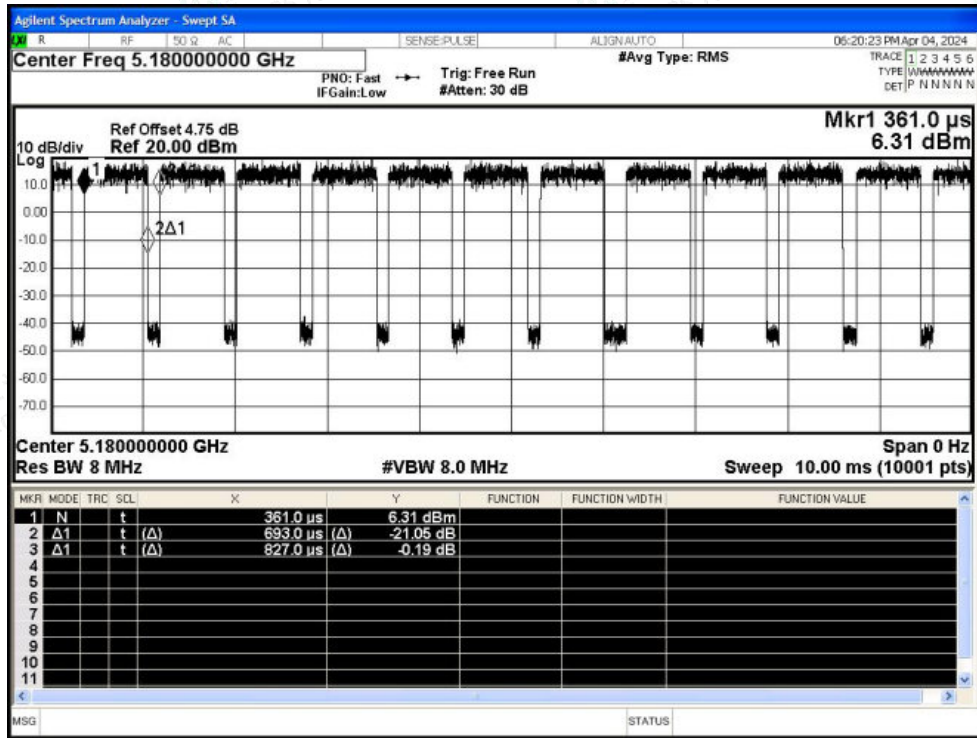
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant0	83.8	0.77	1.44
NVNT	a	5200	Ant0	83.8	0.77	1.44
NVNT	a	5240	Ant0	84.72	0.72	1.44
NVNT	n20	5180	Ant0	76.87	1.14	1.68
NVNT	n20	5200	Ant0	75.13	1.24	1.68
NVNT	n20	5240	Ant0	73.46	1.34	1.68
NVNT	n40	5190	Ant0	75.52	1.22	2.12
NVNT	n40	5230	Ant0	93.11	0.31	2.11
NVNT	ac20	5180	Ant0	73.66	1.33	1.66
NVNT	ac20	5200	Ant0	82.69	0.83	1.66
NVNT	ac20	5240	Ant0	73.72	1.32	1.66
NVNT	ac40	5190	Ant0	74.28	1.29	2.15
NVNT	ac40	5230	Ant0	66.62	1.76	2.15
NVNT	ac80	5210	Ant0	65.17	1.86	1.86



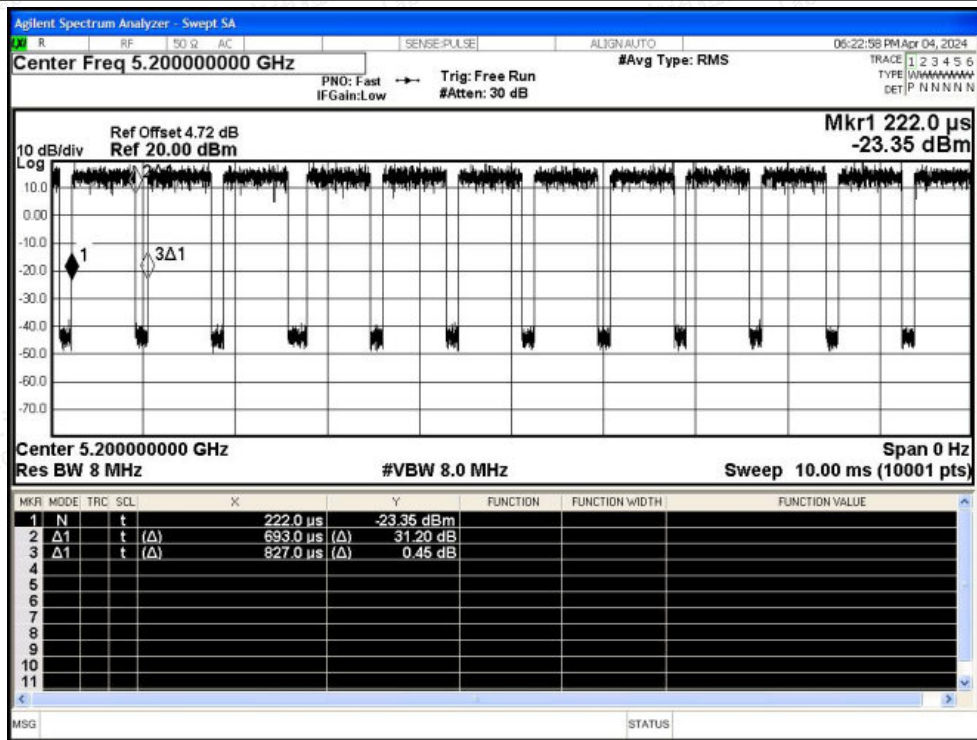


Test Graphs

Duty Cycle NVNT a 5180MHz Ant0

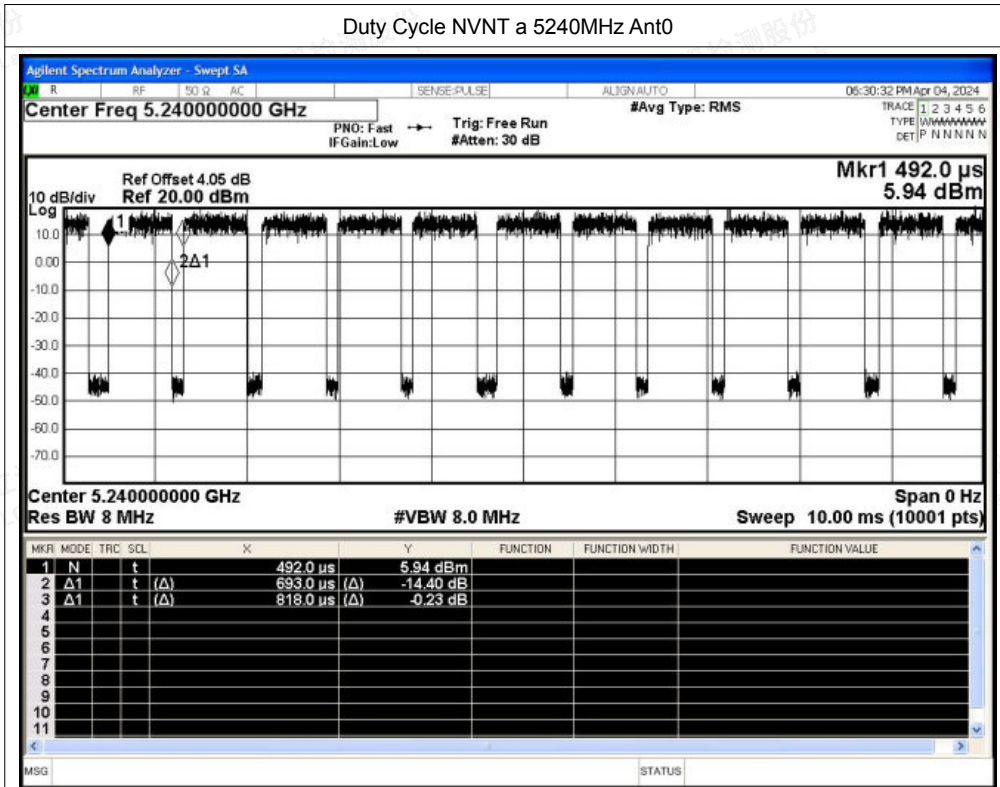


Duty Cycle NVNT a 5200MHz Ant0

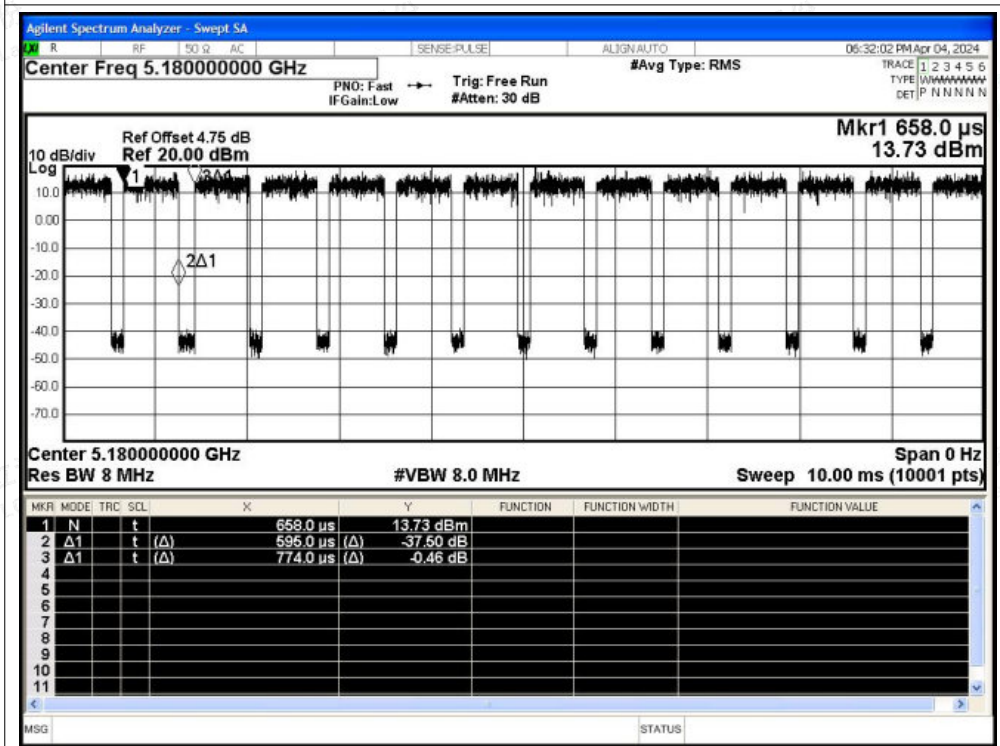




Duty Cycle NVNT a 5240MHz Ant0

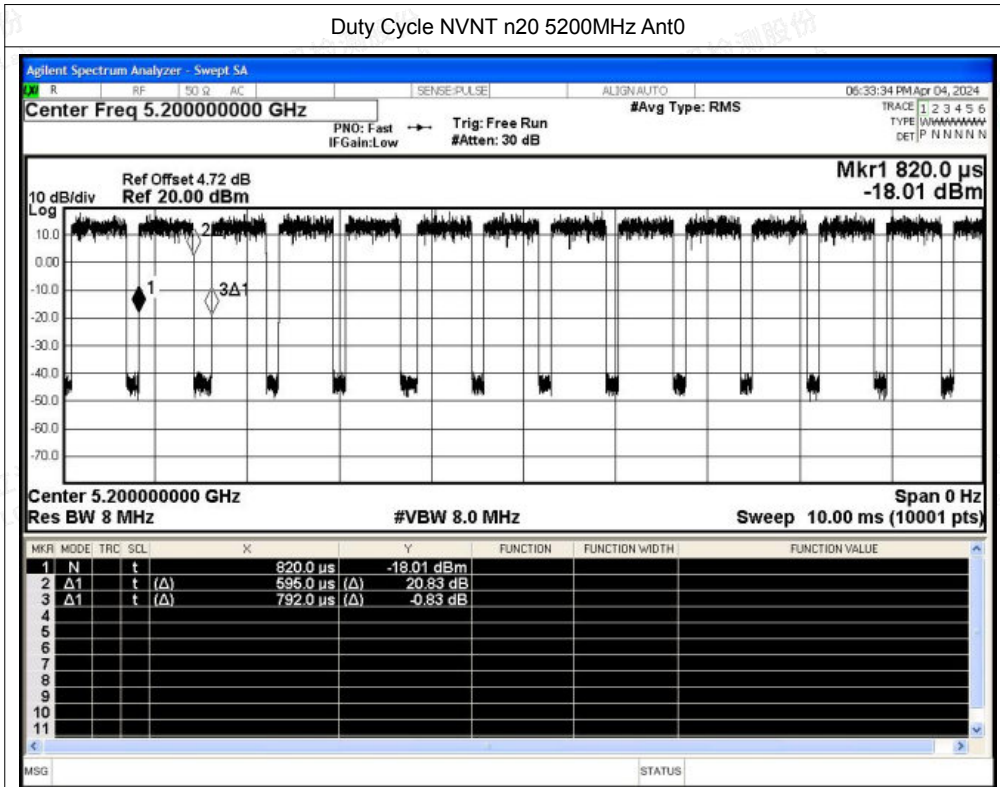


Duty Cycle NVNT n20 5180MHz Ant0

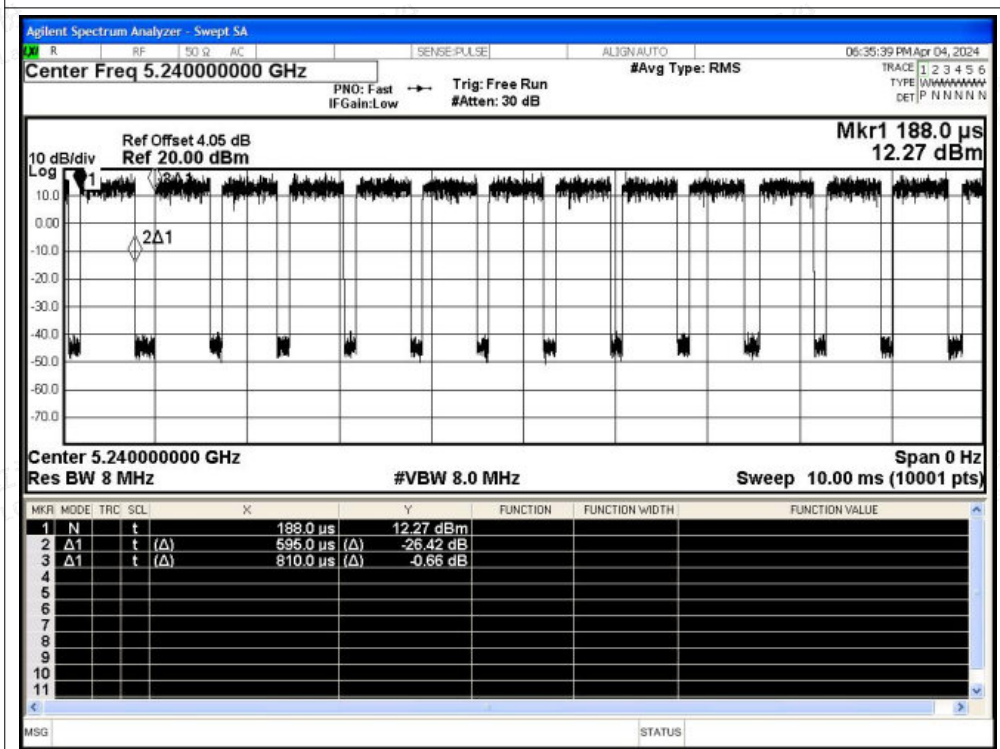




Duty Cycle NVNT n20 5200MHz Ant0

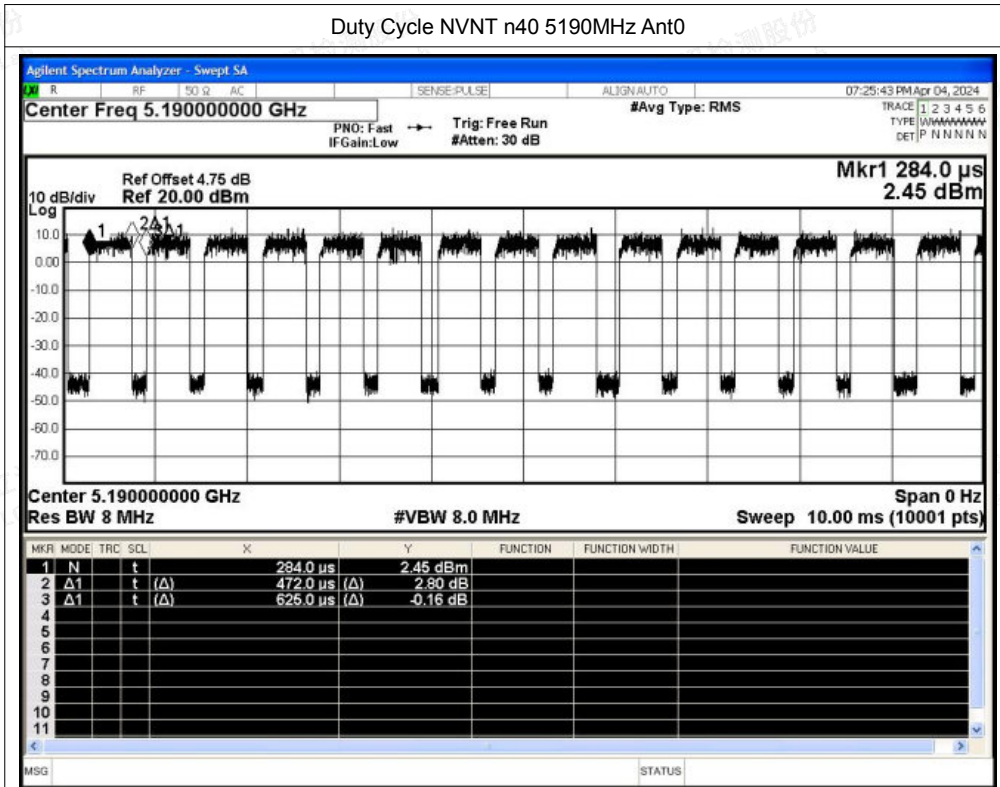


Duty Cycle NVNT n20 5240MHz Ant0

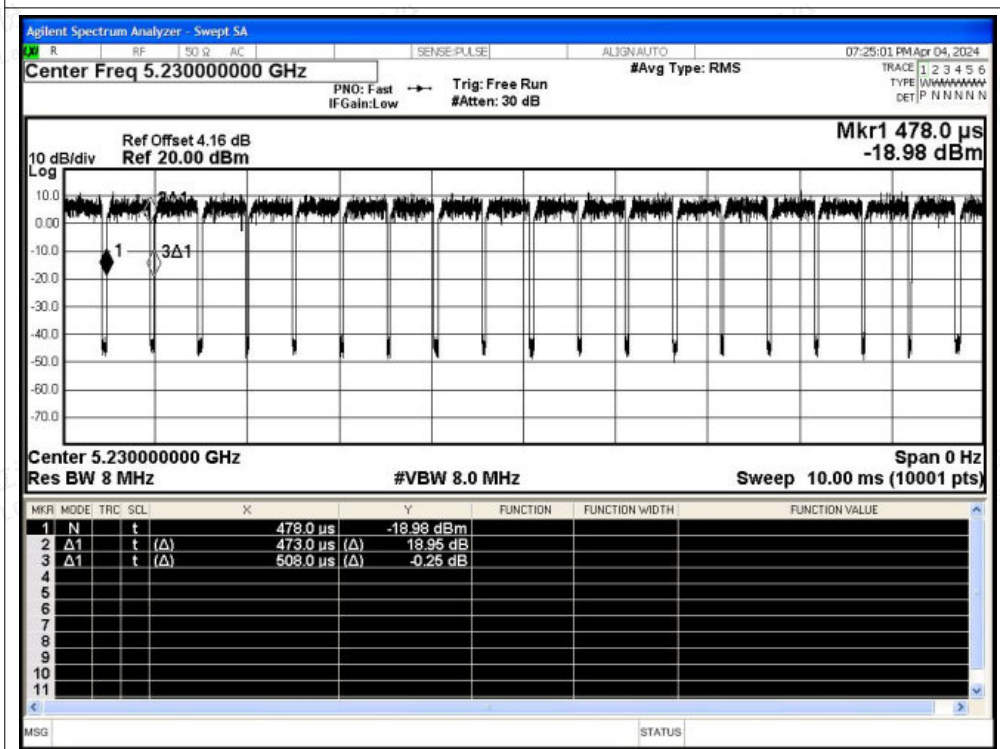




Duty Cycle NVNT n40 5190MHz Ant0

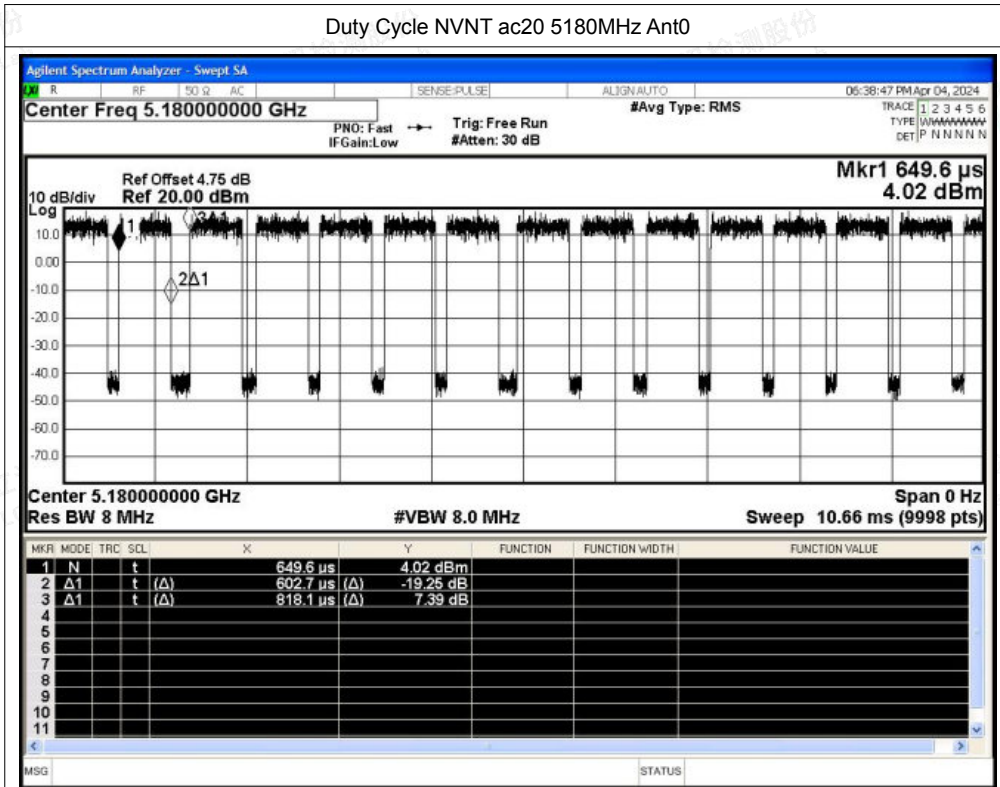


Duty Cycle NVNT n40 5230MHz Ant0

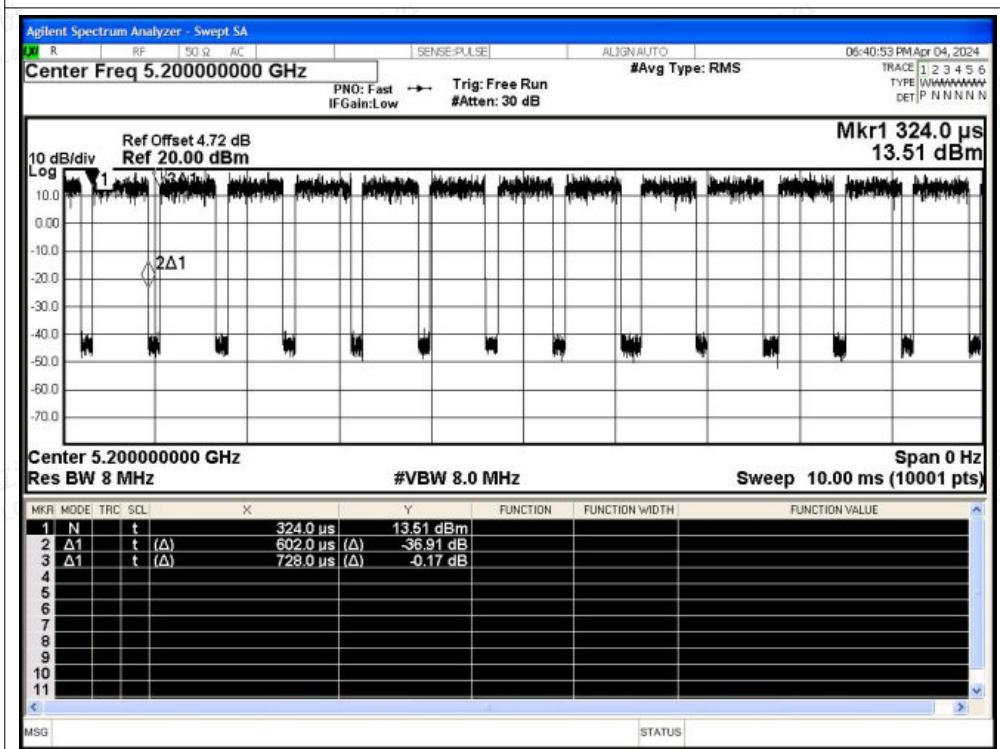




Duty Cycle NVNT ac20 5180MHz Ant0

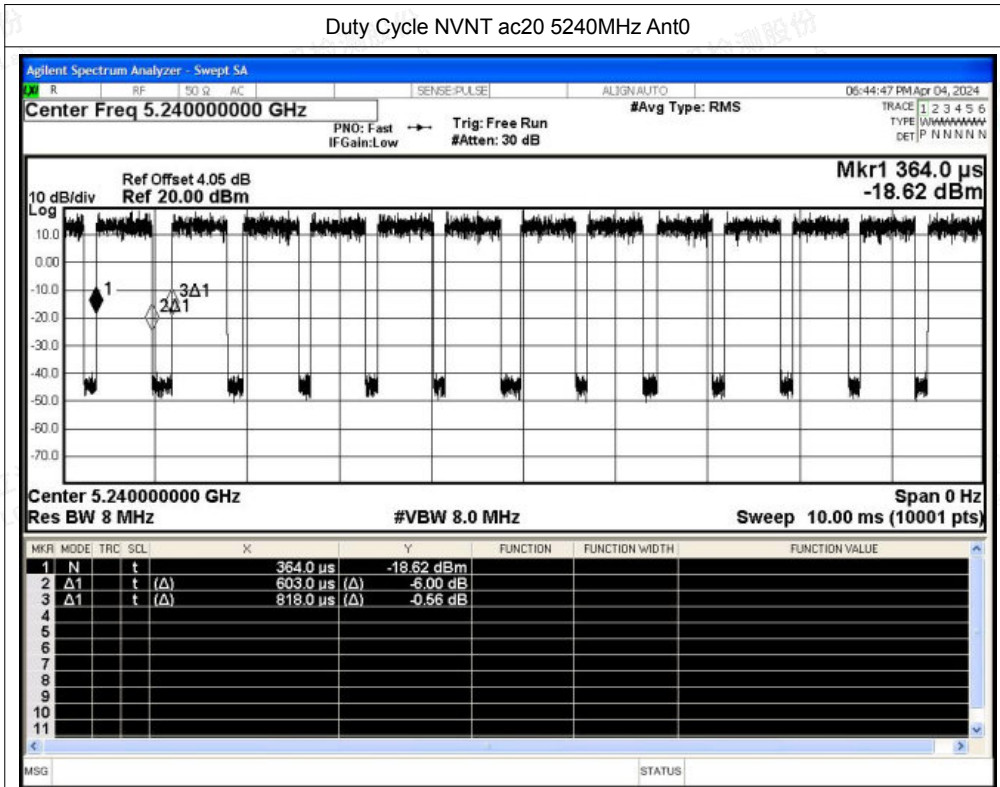


Duty Cycle NVNT ac20 5200MHz Ant0

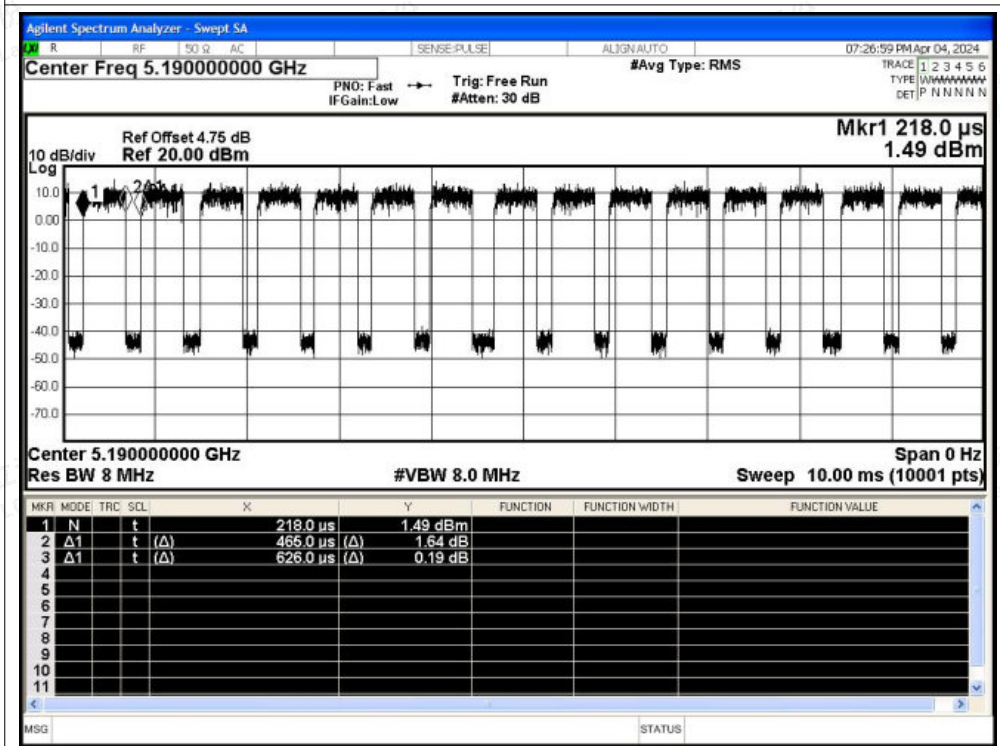




Duty Cycle NVNT ac20 5240MHz Ant0

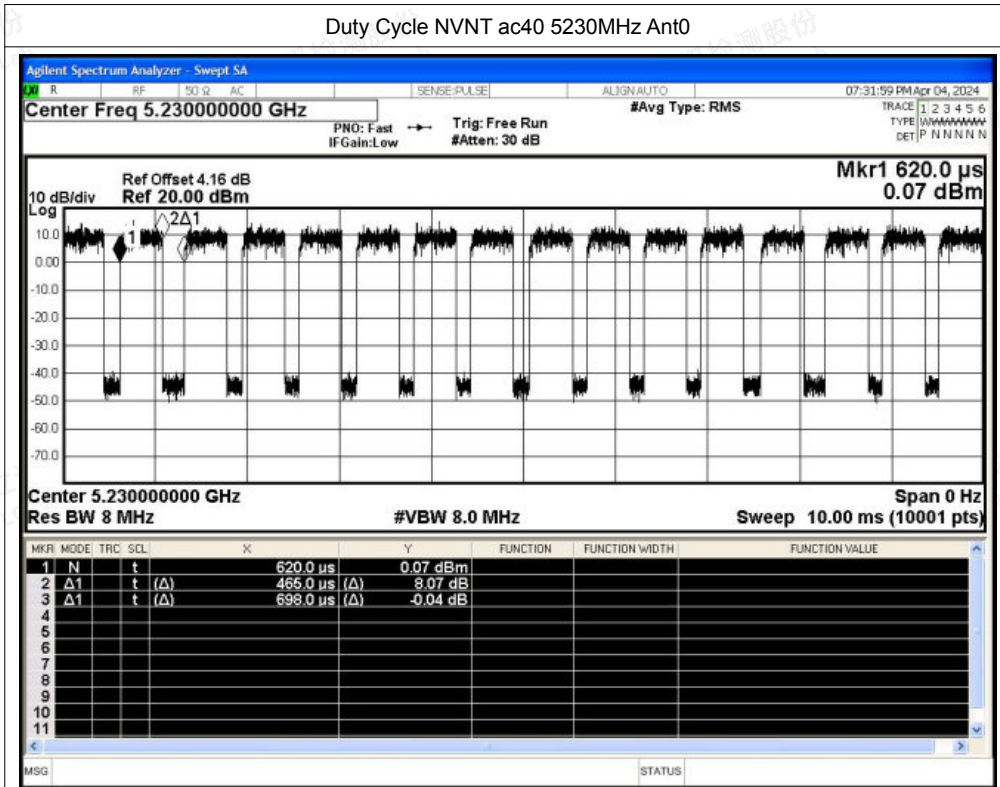


Duty Cycle NVNT ac40 5190MHz Ant0

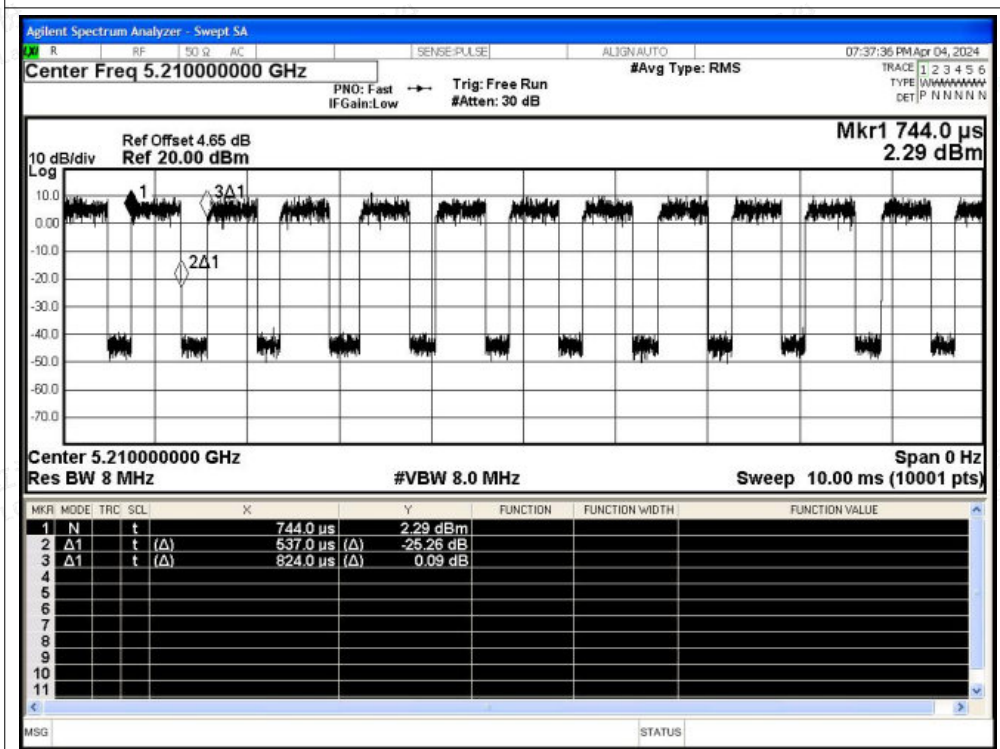




Duty Cycle NVNT ac40 5230MHz Ant0



Duty Cycle NVNT ac80 5210MHz Ant0





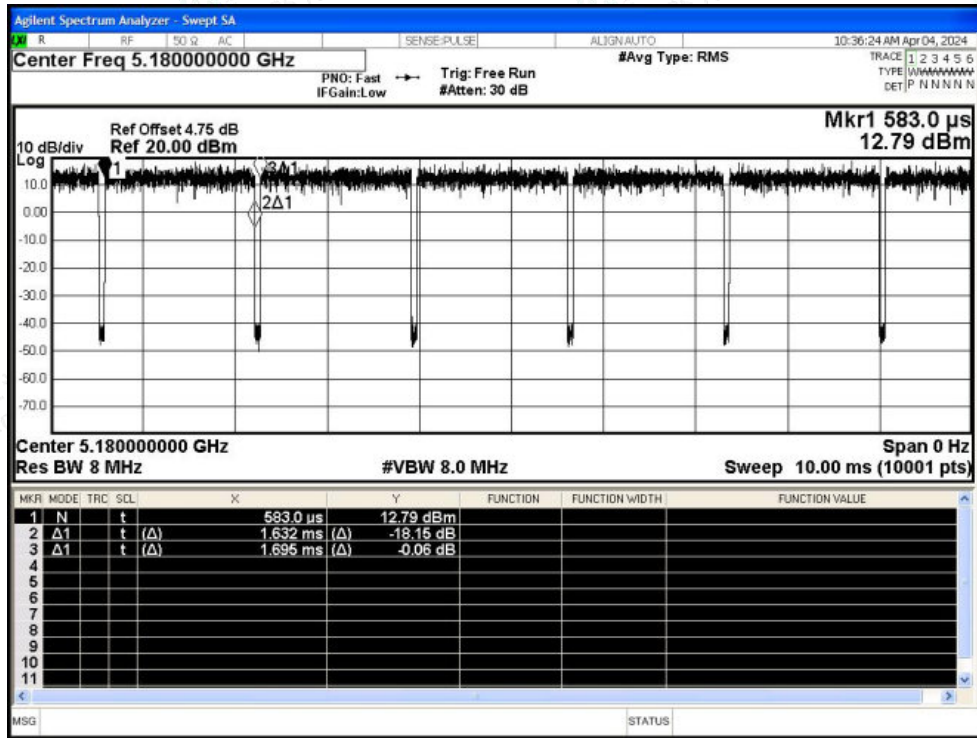
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	96.28	0.16	0.61
NVNT	a	5200	Ant1	96.28	0.16	0.61
NVNT	a	5240	Ant1	96.34	0.16	0.61
NVNT	n20	5180	Ant1	95.69	0.19	0.73
NVNT	n20	5200	Ant1	95.69	0.19	0.73
NVNT	n20	5240	Ant1	95.69	0.19	0.73
NVNT	n40	5190	Ant1	91.52	0.38	1.47
NVNT	n40	5230	Ant1	91.52	0.38	1.47
NVNT	ac20	5180	Ant1	95.65	0.19	0.72
NVNT	ac20	5200	Ant1	95.64	0.19	0.72
NVNT	ac20	5240	Ant1	95.71	0.19	0.72
NVNT	ac40	5190	Ant1	91.61	0.38	1.45
NVNT	ac40	5230	Ant1	91.61	0.38	1.45
NVNT	ac80	5210	Ant1	89.65	0.47	1.86



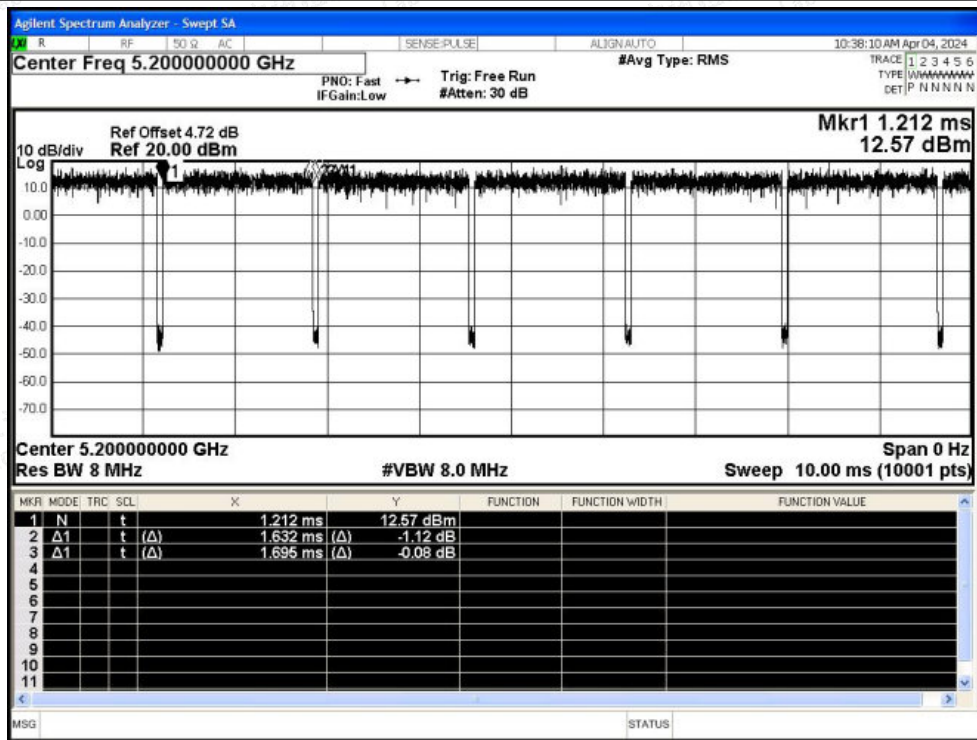


Test Graphs

Duty Cycle NVNT a 5180MHz Ant1

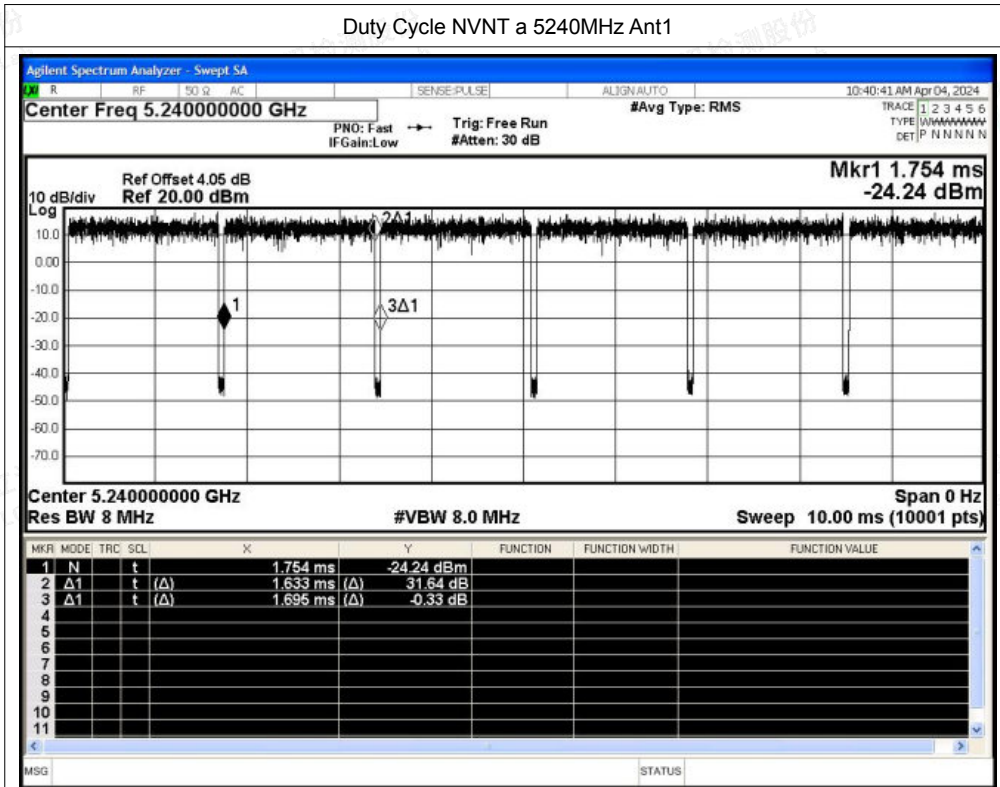


Duty Cycle NVNT a 5200MHz Ant1

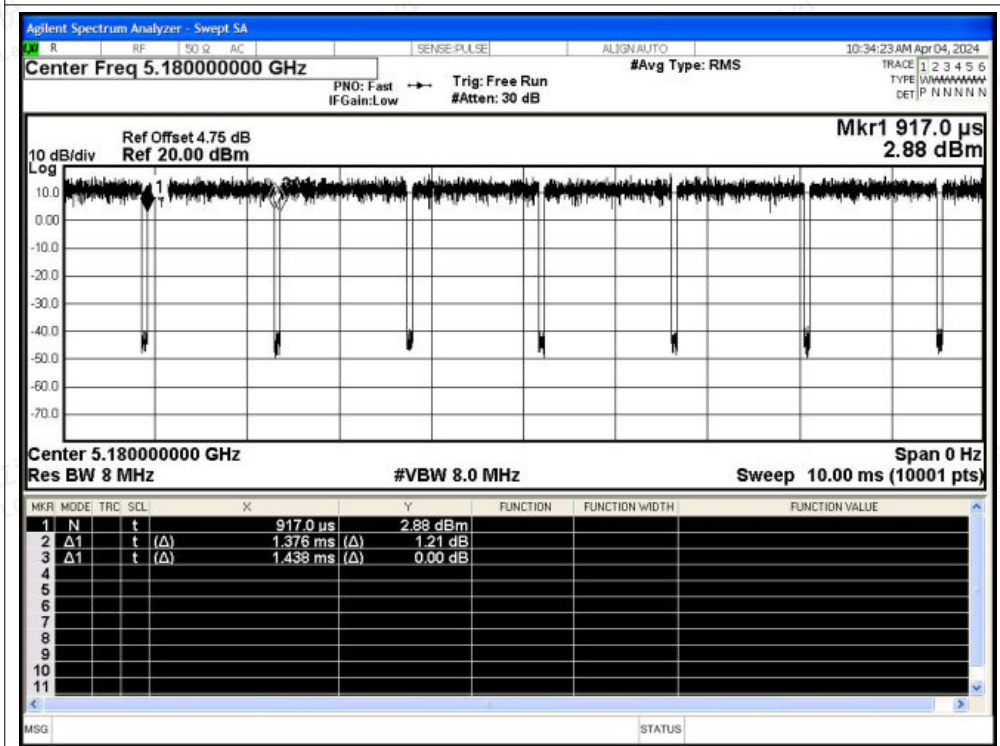




Duty Cycle NVNT a 5240MHz Ant1

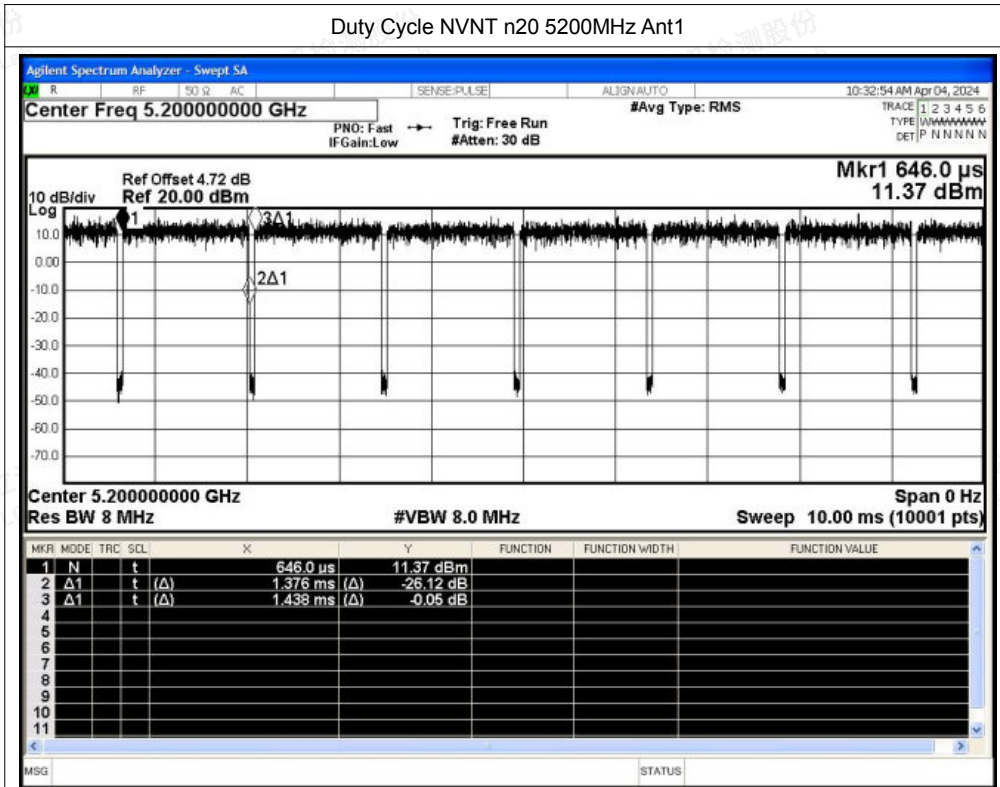


Duty Cycle NVNT n20 5180MHz Ant1

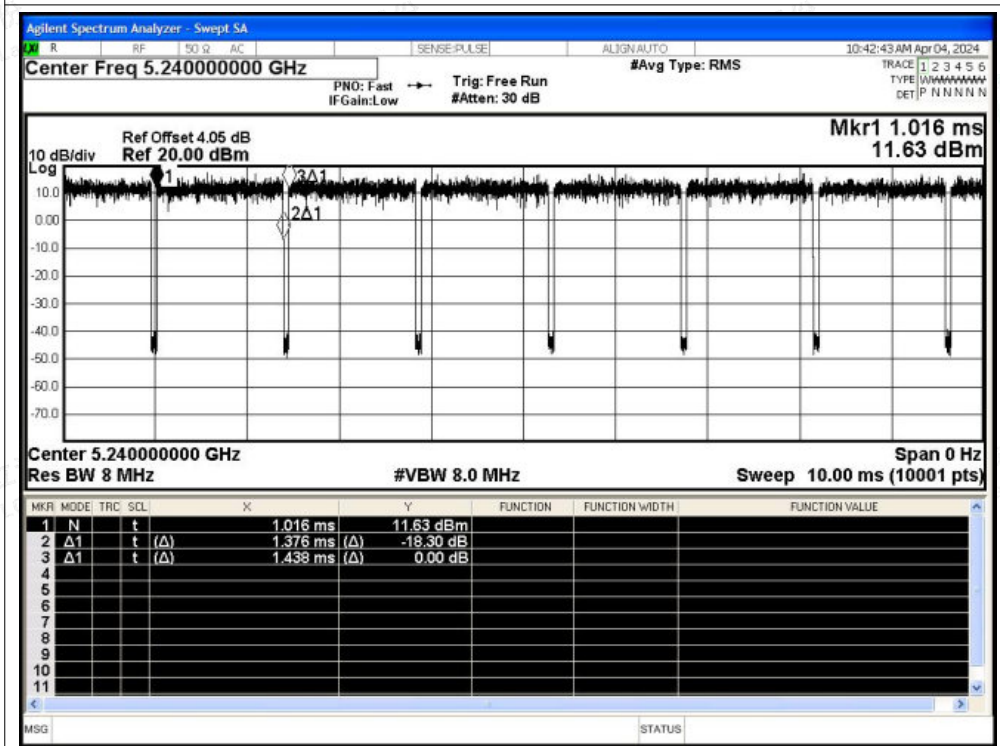




Duty Cycle NVNT n20 5200MHz Ant1

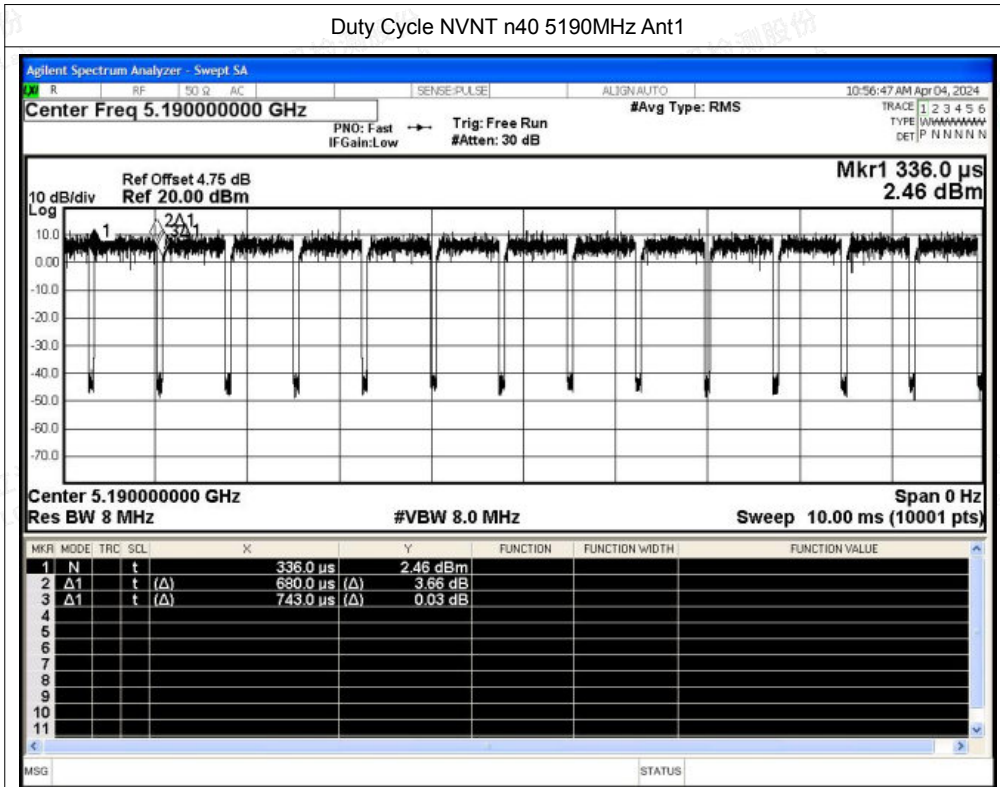


Duty Cycle NVNT n20 5240MHz Ant1

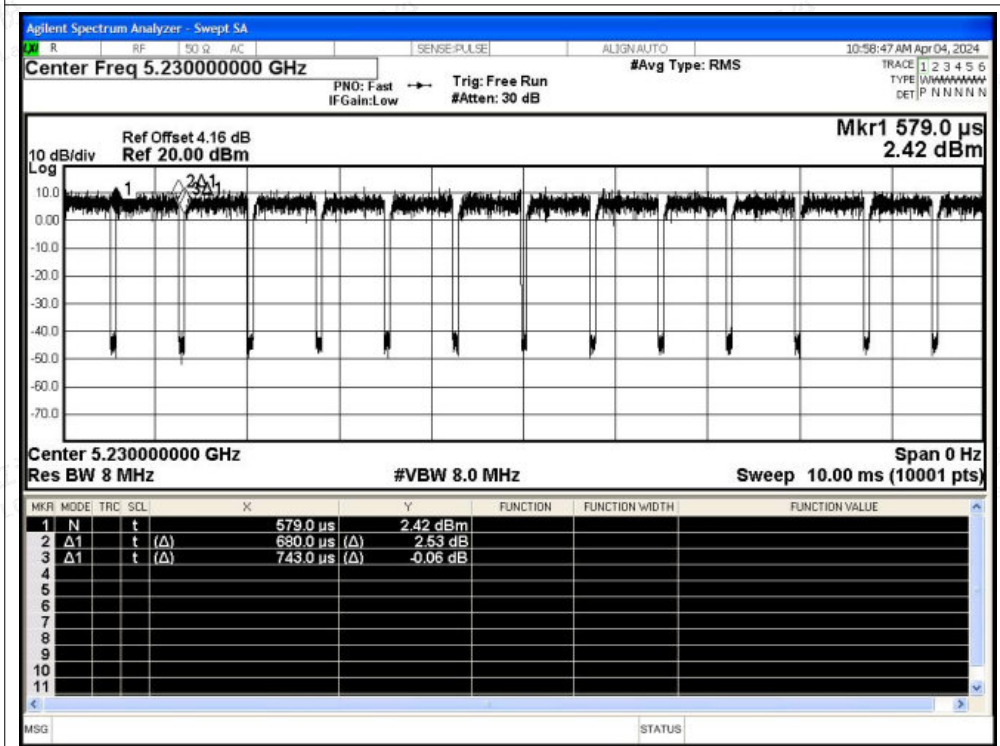




Duty Cycle NVNT n40 5190MHz Ant1

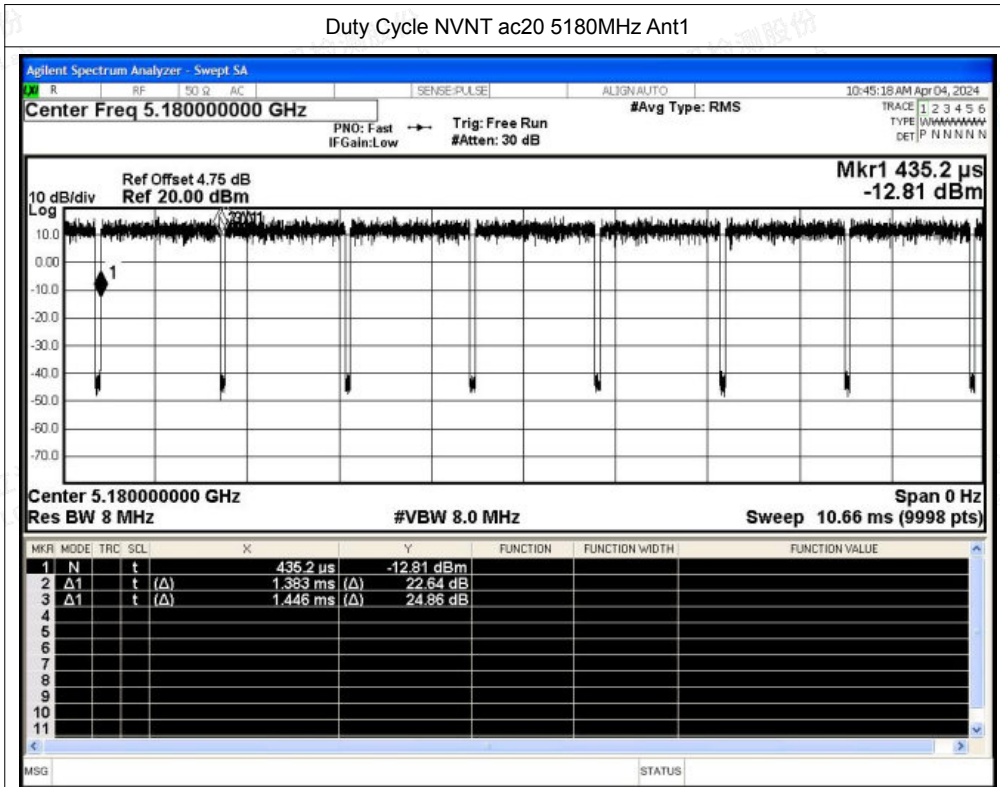


Duty Cycle NVNT n40 5230MHz Ant1

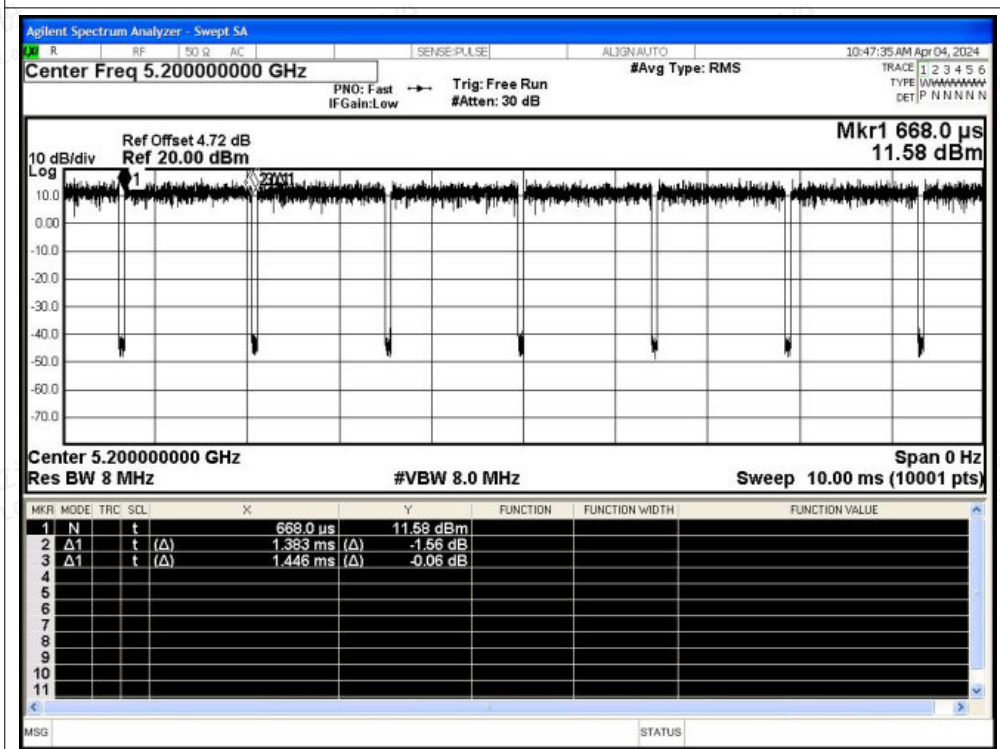




Duty Cycle NVNT ac20 5180MHz Ant1

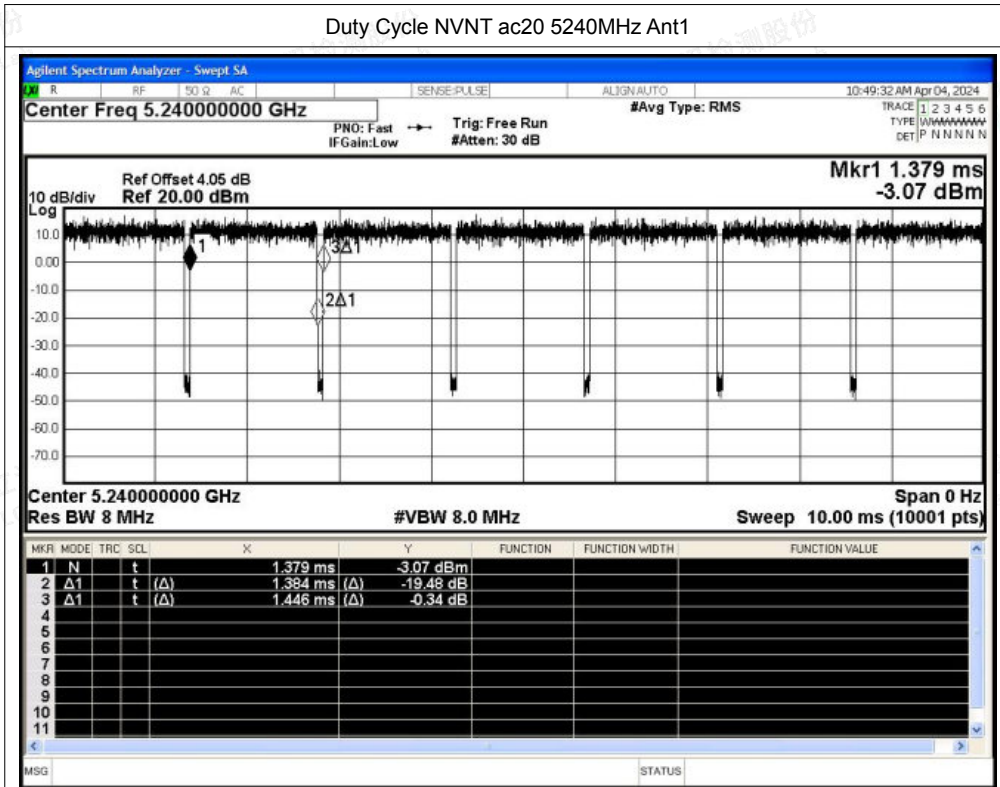


Duty Cycle NVNT ac20 5200MHz Ant1

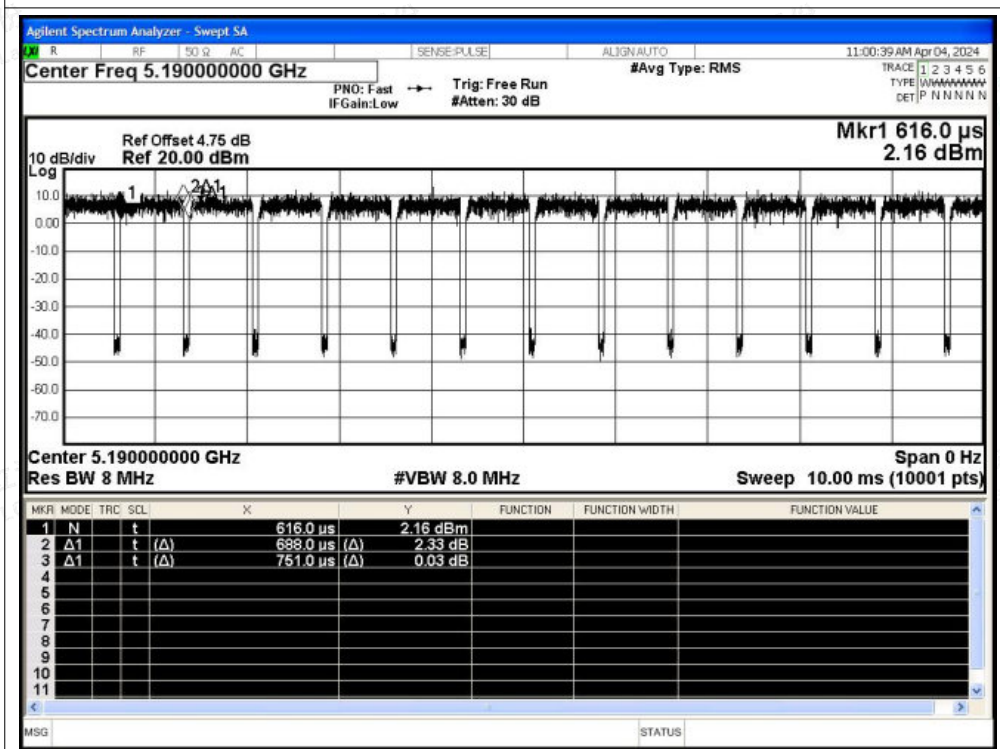




Duty Cycle NVNT ac20 5240MHz Ant1

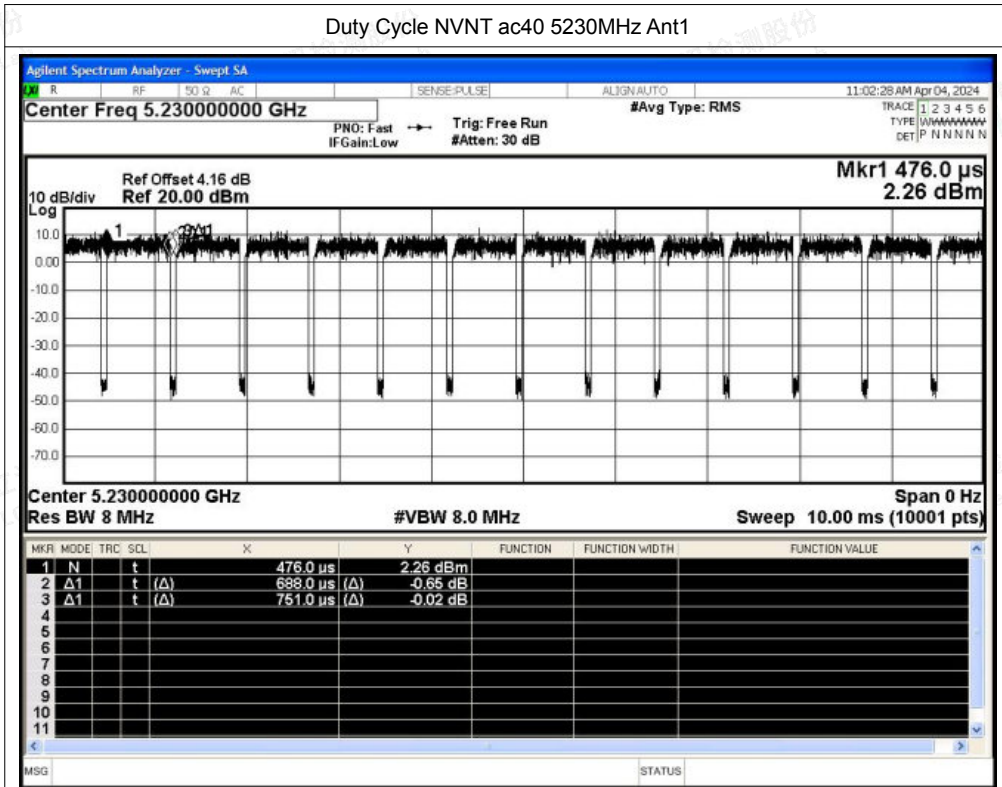


Duty Cycle NVNT ac40 5190MHz Ant1





Duty Cycle NVNT ac40 5230MHz Ant1



Duty Cycle NVNT ac80 5210MHz Ant1

