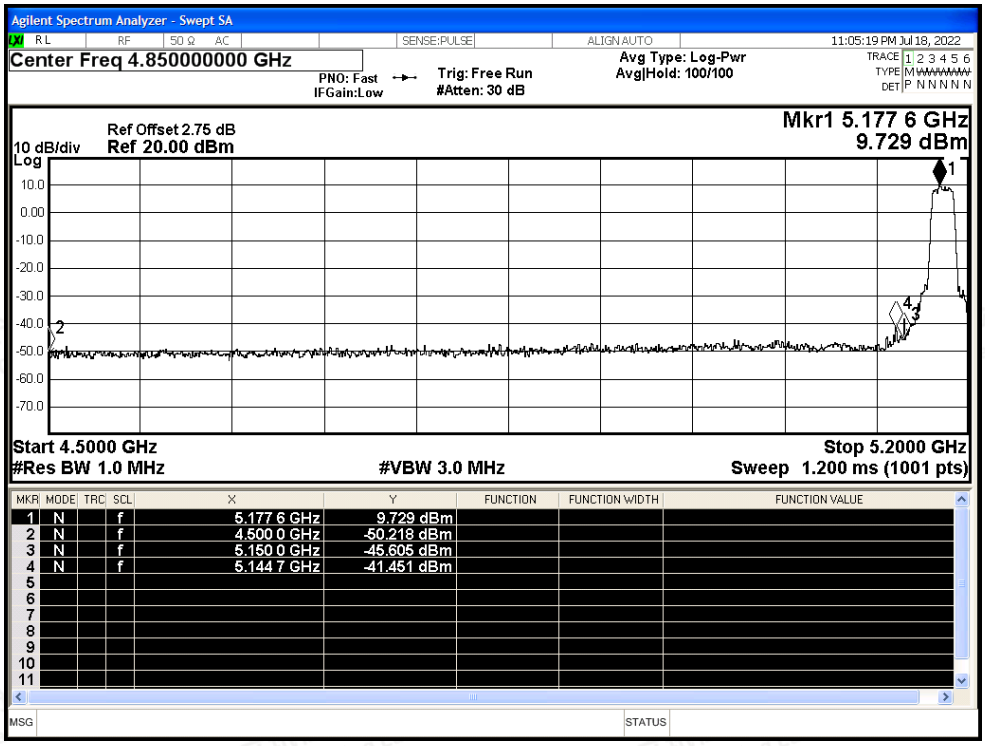
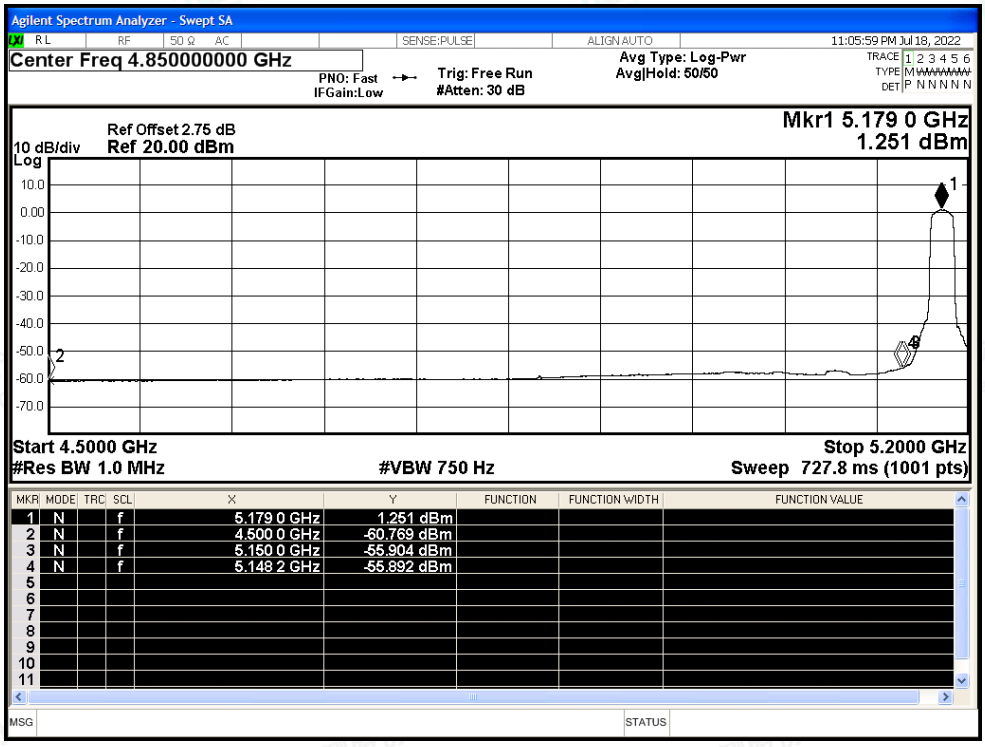
Ant1:

Test Graphs

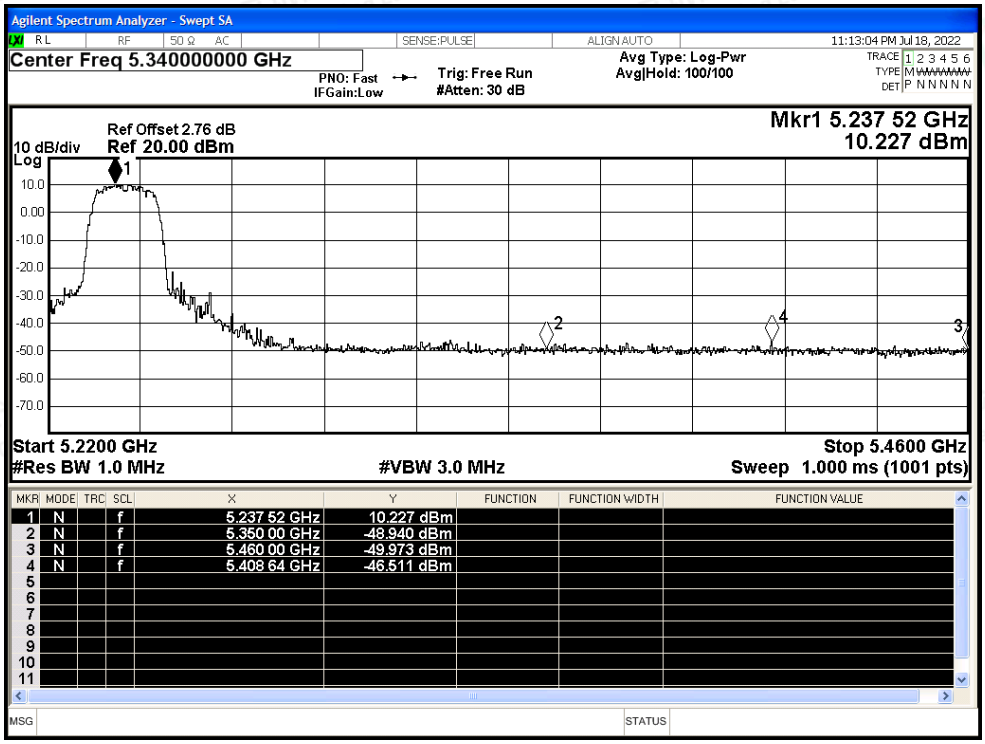
Restrict Band NVNT a 5180MHz Ant1 Peak



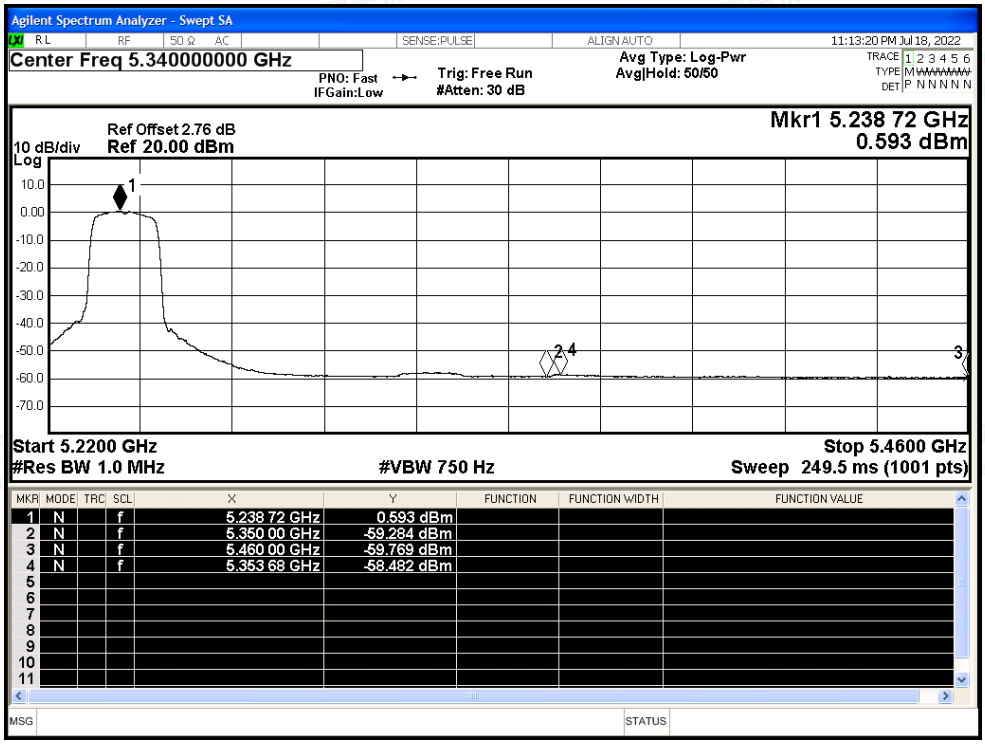
Restrict Band NVNT a 5180MHz Ant1 Average



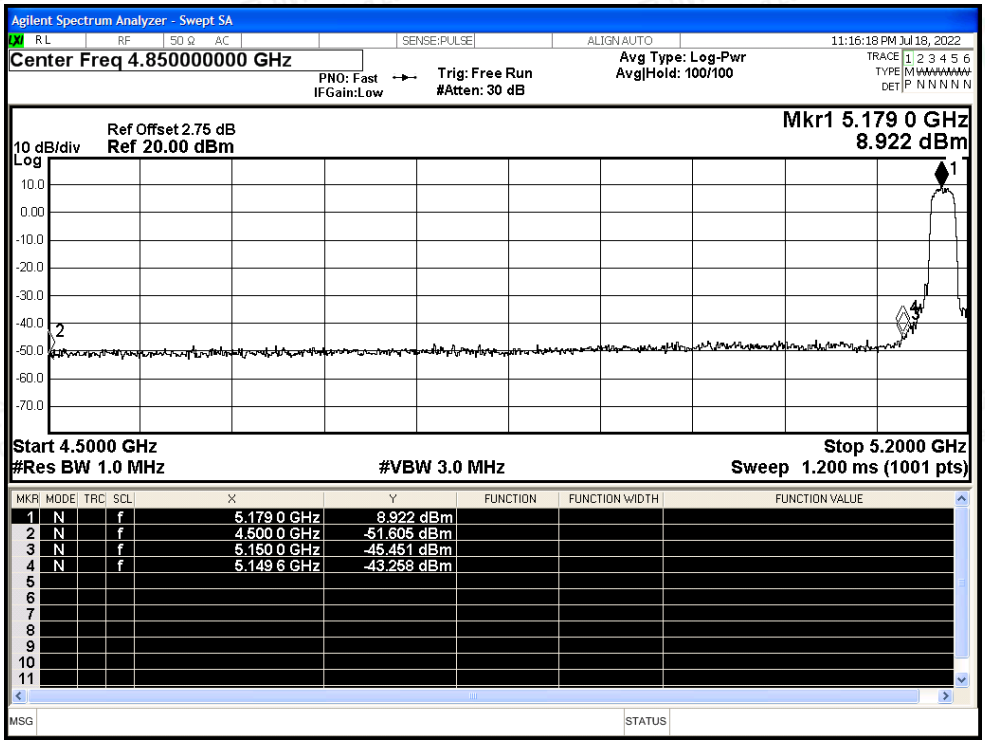
Restrict Band NVNT a 5240MHz Ant1 Peak



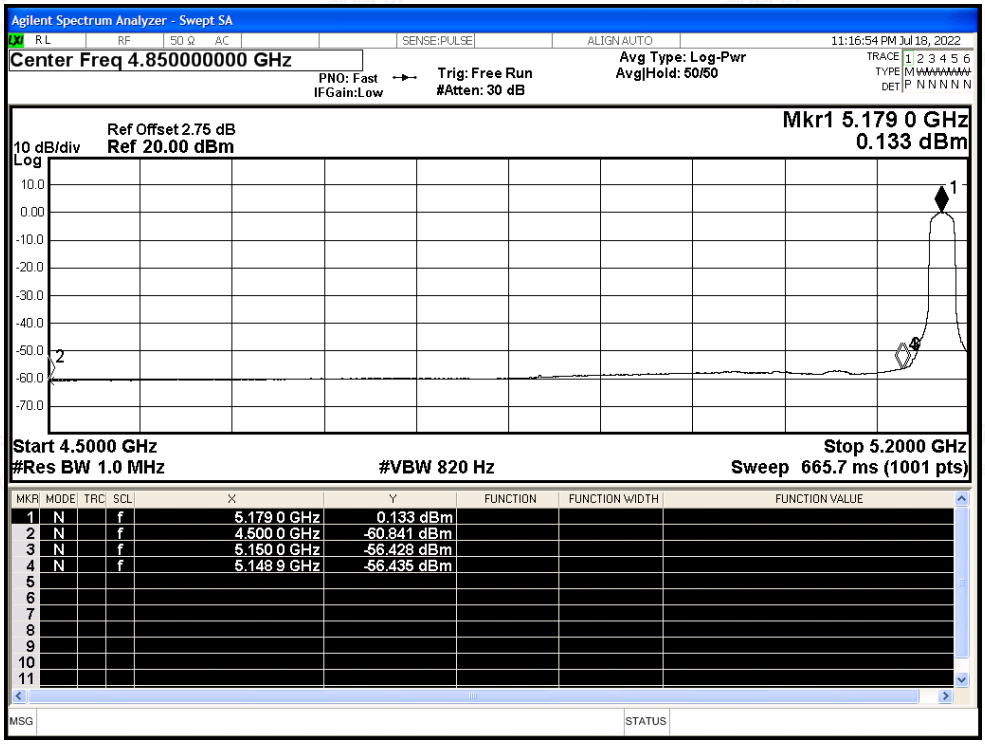
Restrict Band NVNT a 5240MHz Ant1 Average



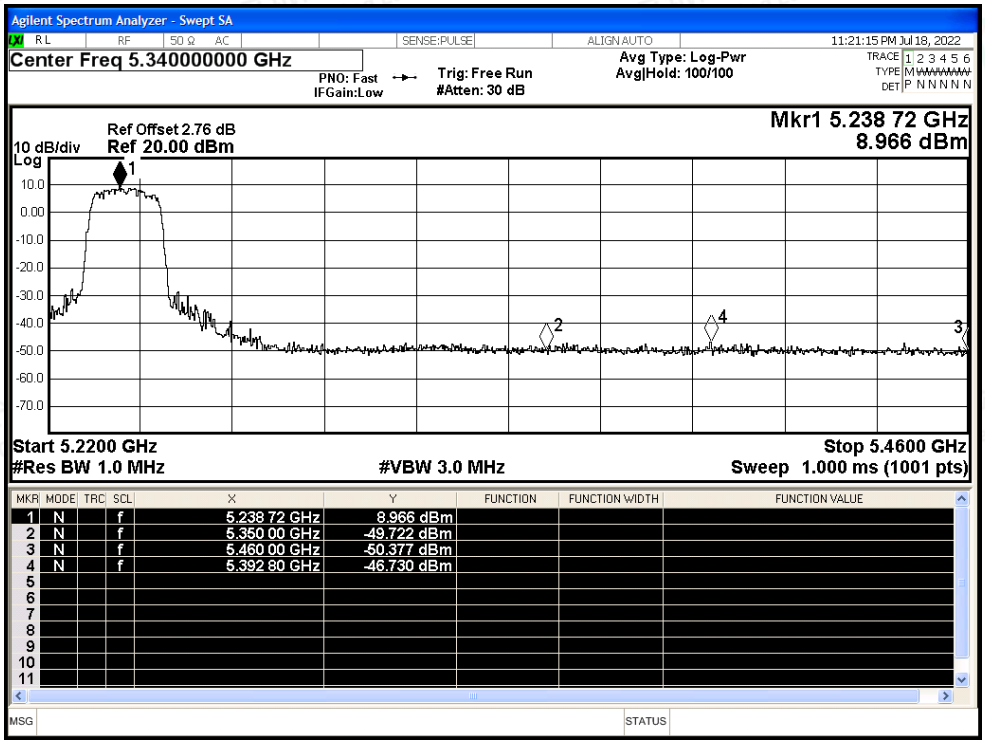
Restrict Band NVNT n20 5180MHz Ant1 Peak



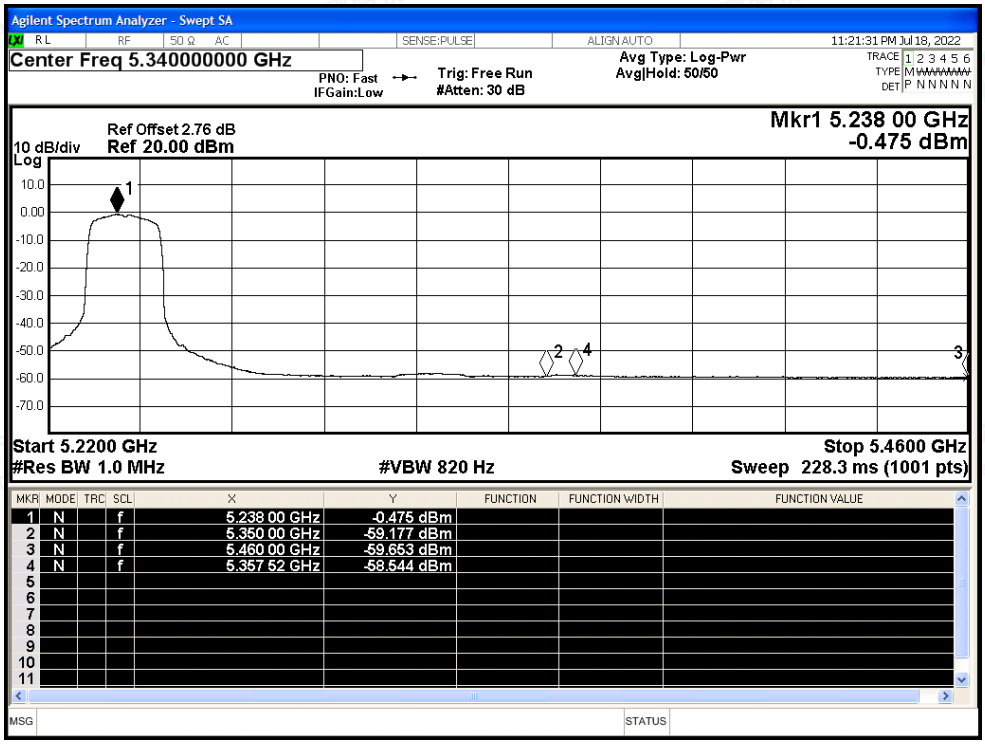
Restrict Band NVNT n20 5180MHz Ant1 Average



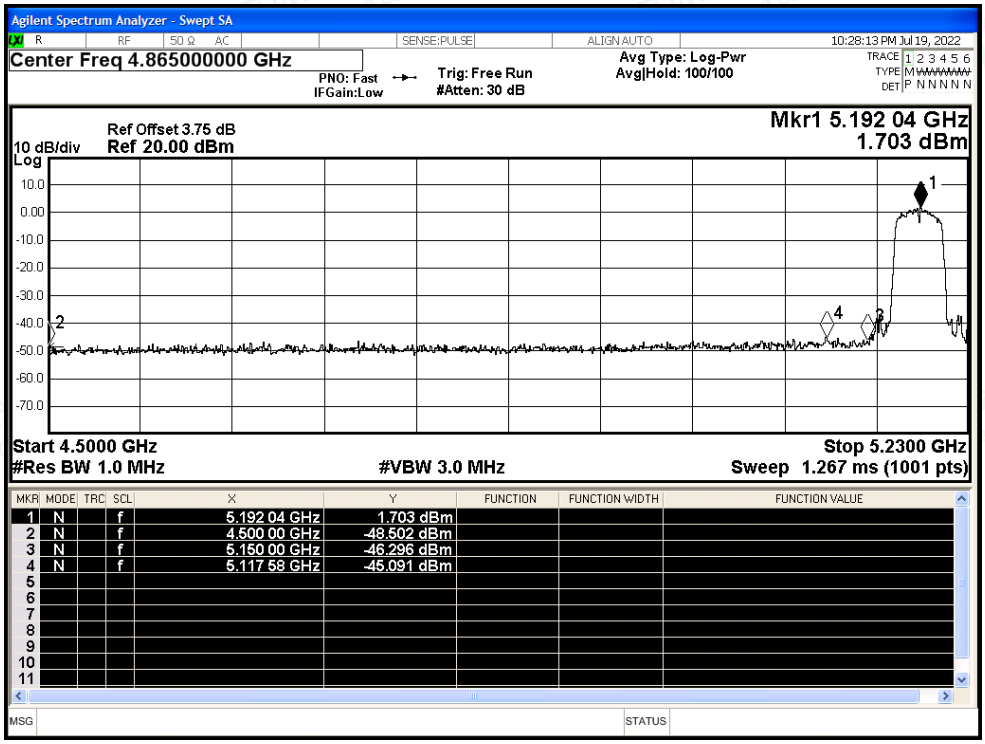
Restrict Band NVNT n20 5240MHz Ant1 Peak



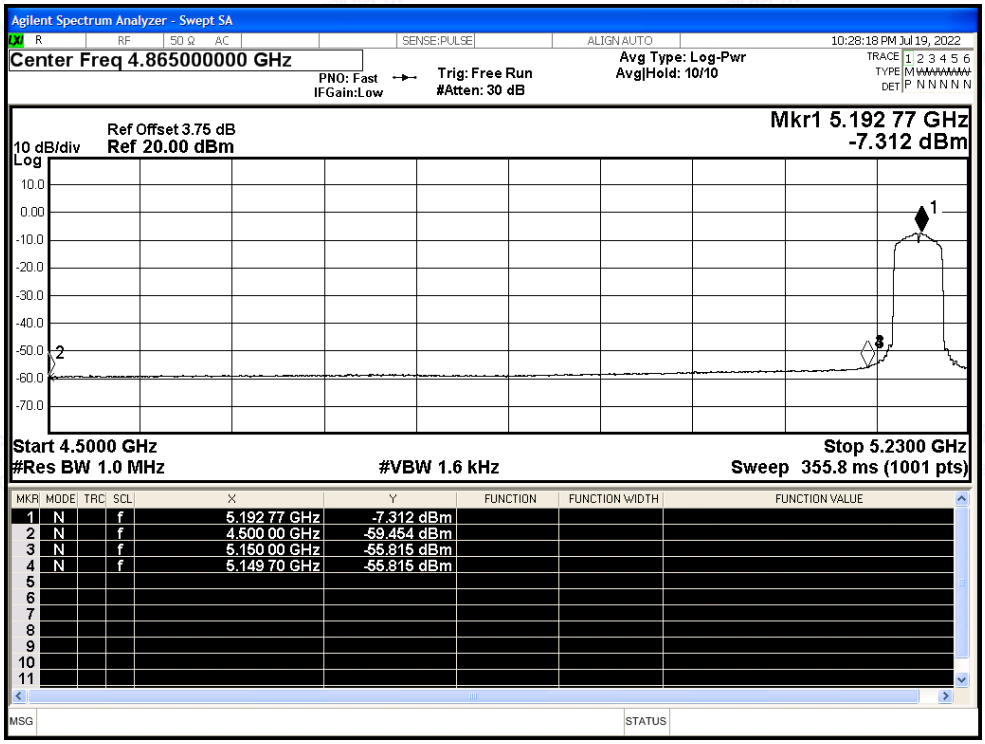
Restrict Band NVNT n20 5240MHz Ant1 Average



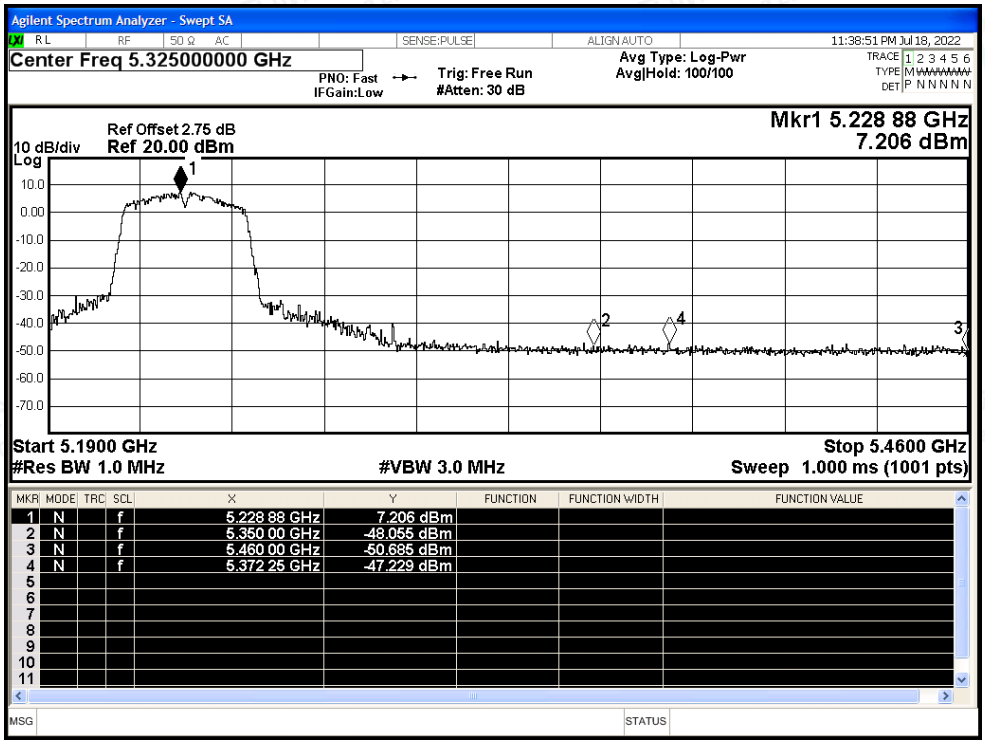
Restrict Band NVNT n40 5190MHz Ant1 Peak



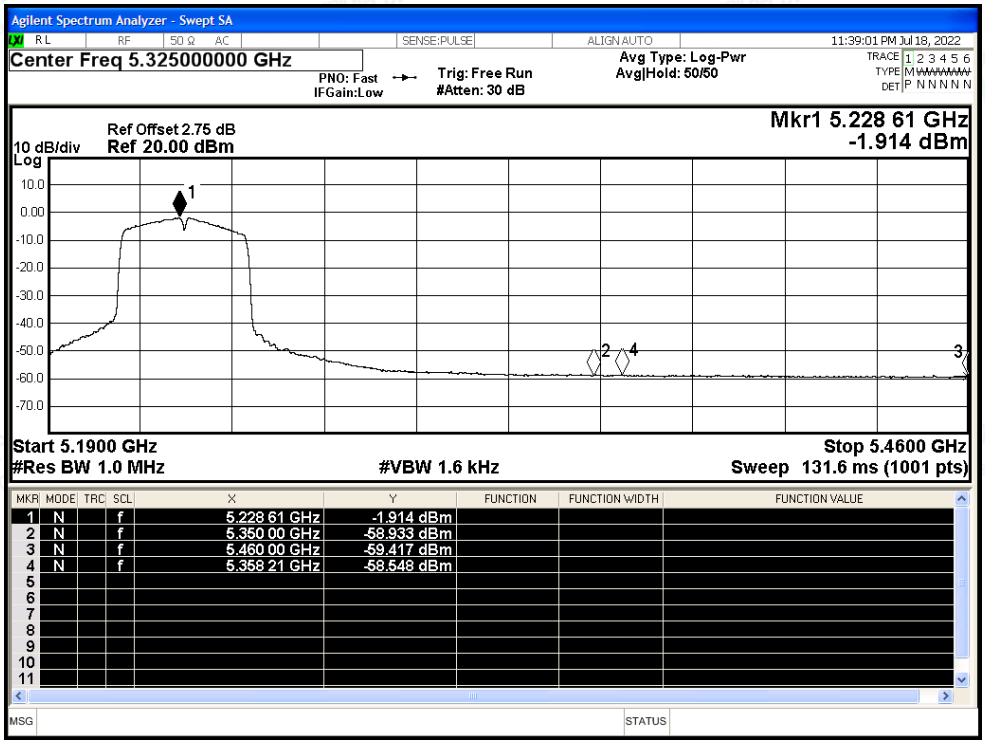
Restrict Band NVNT n40 5190MHz Ant1 Average



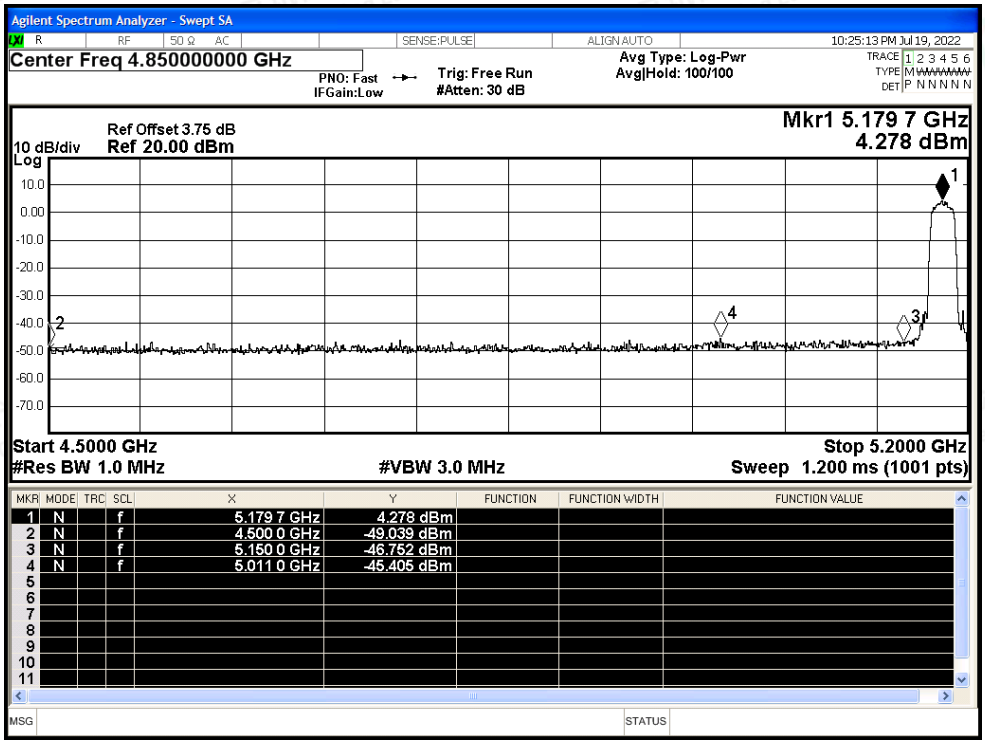
Restrict Band NVNT n40 5230MHz Ant1 Peak



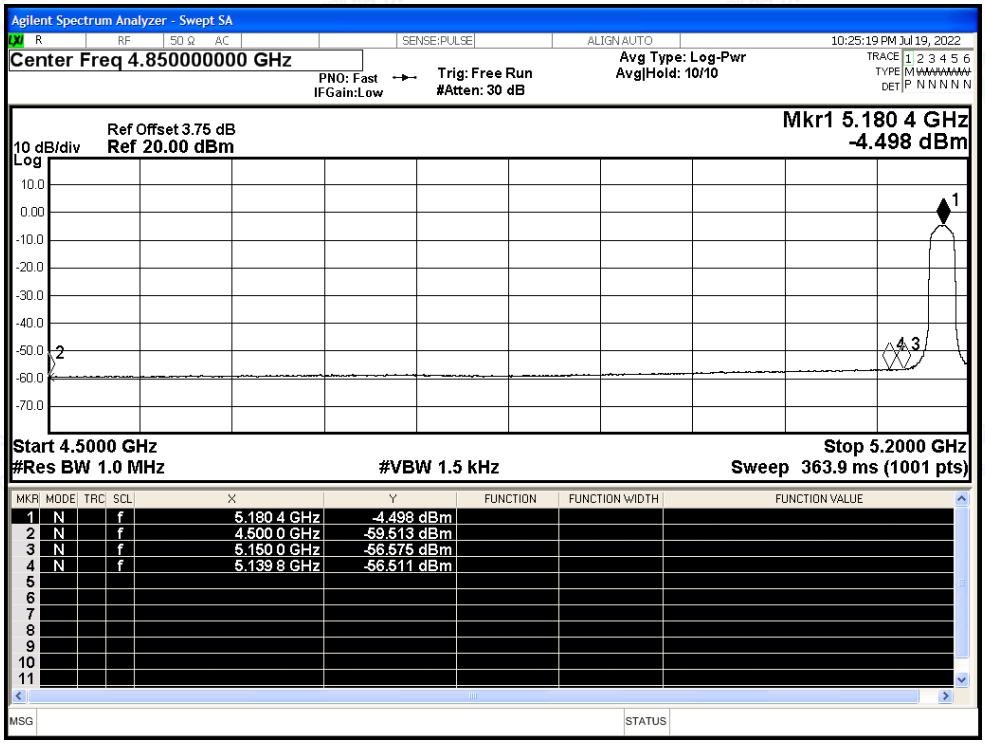
Restrict Band NVNT n40 5230MHz Ant1 Average



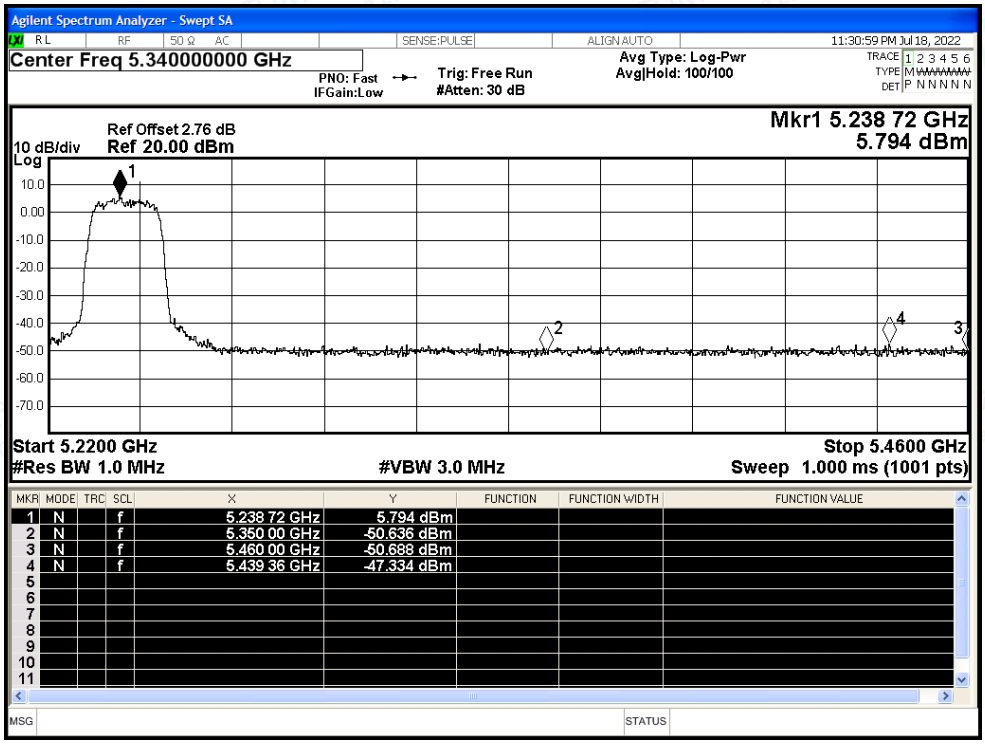
Restrict Band NVNT ac20 5180MHz Ant1 Peak



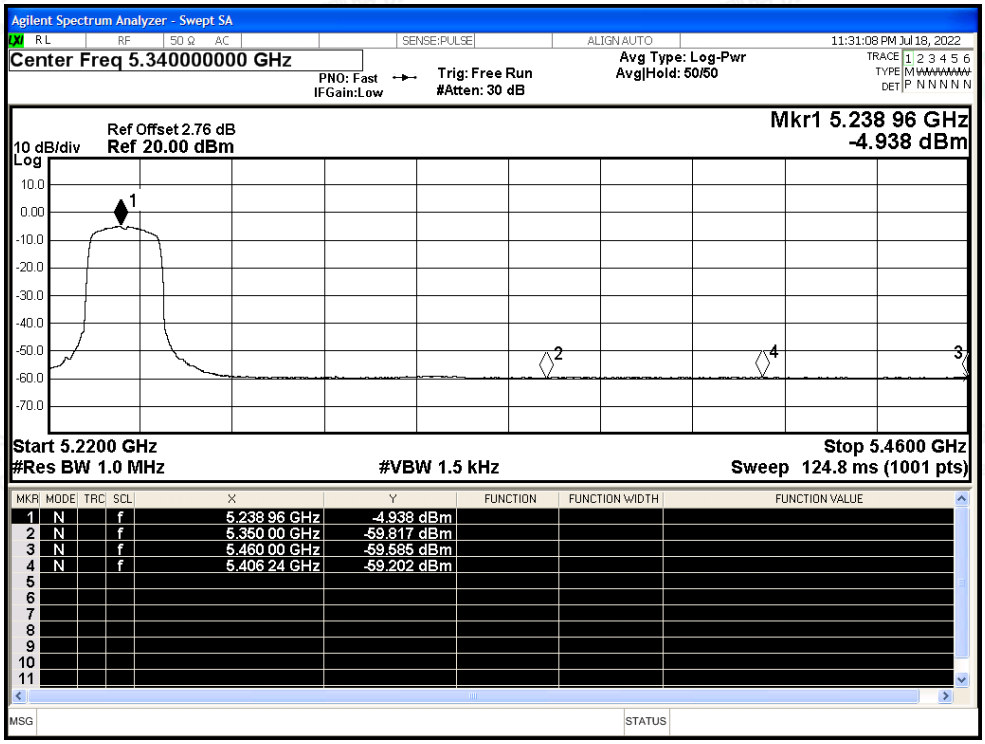
Restrict Band NVNT ac20 5180MHz Ant1 Average



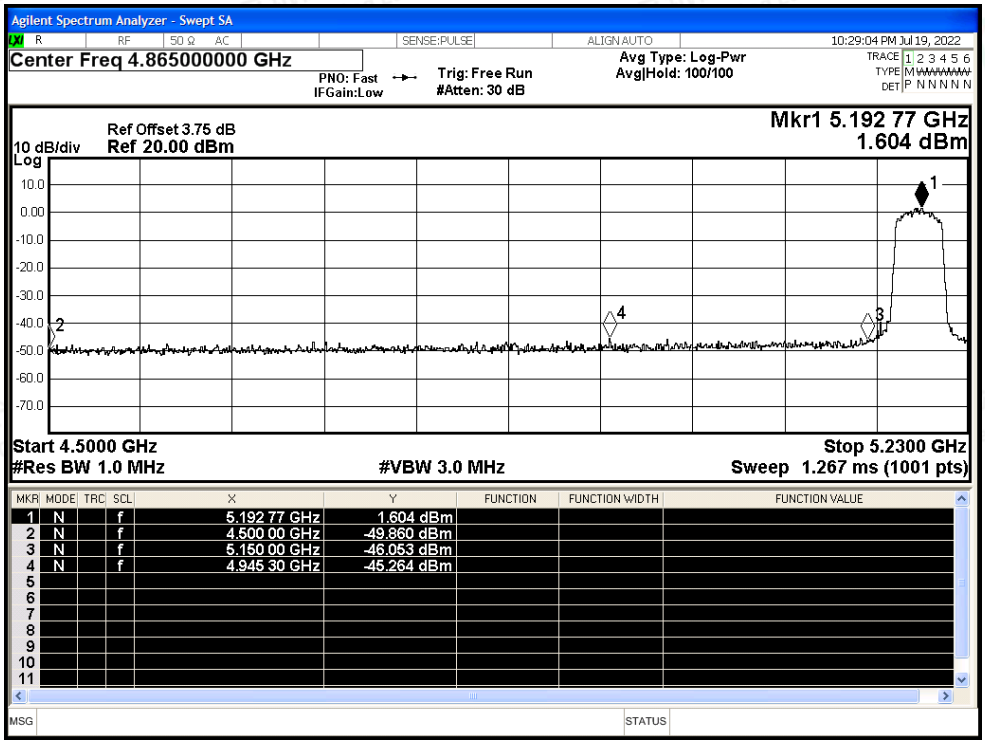
Restrict Band NVNT ac20 5240MHz Ant1 Peak



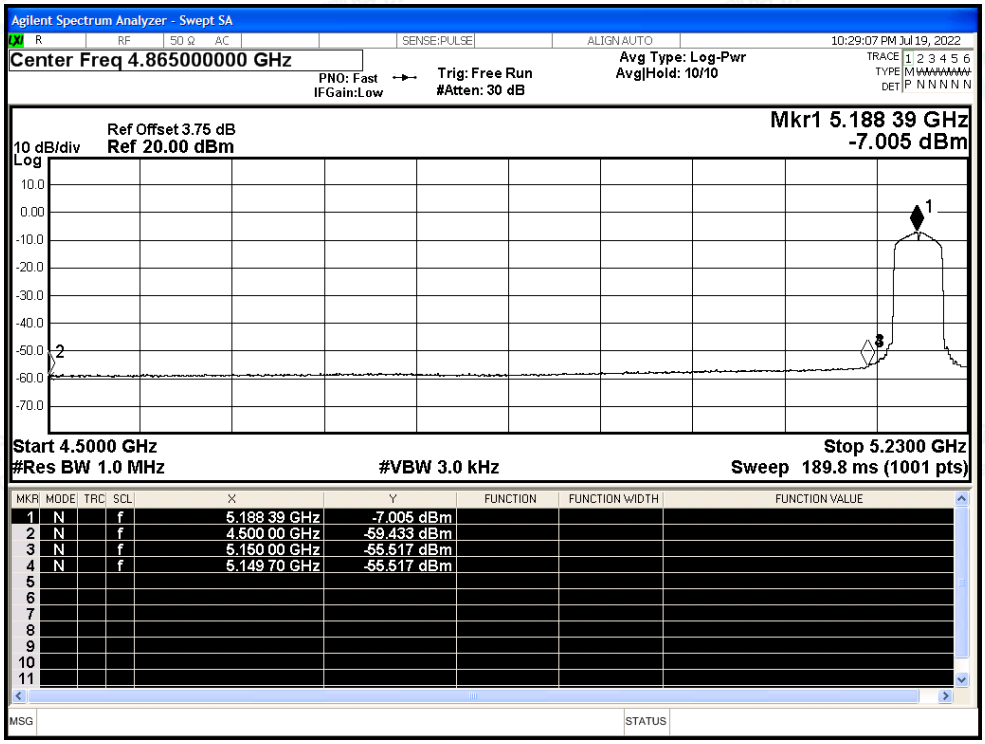
Restrict Band NVNT ac20 5240MHz Ant1 Average



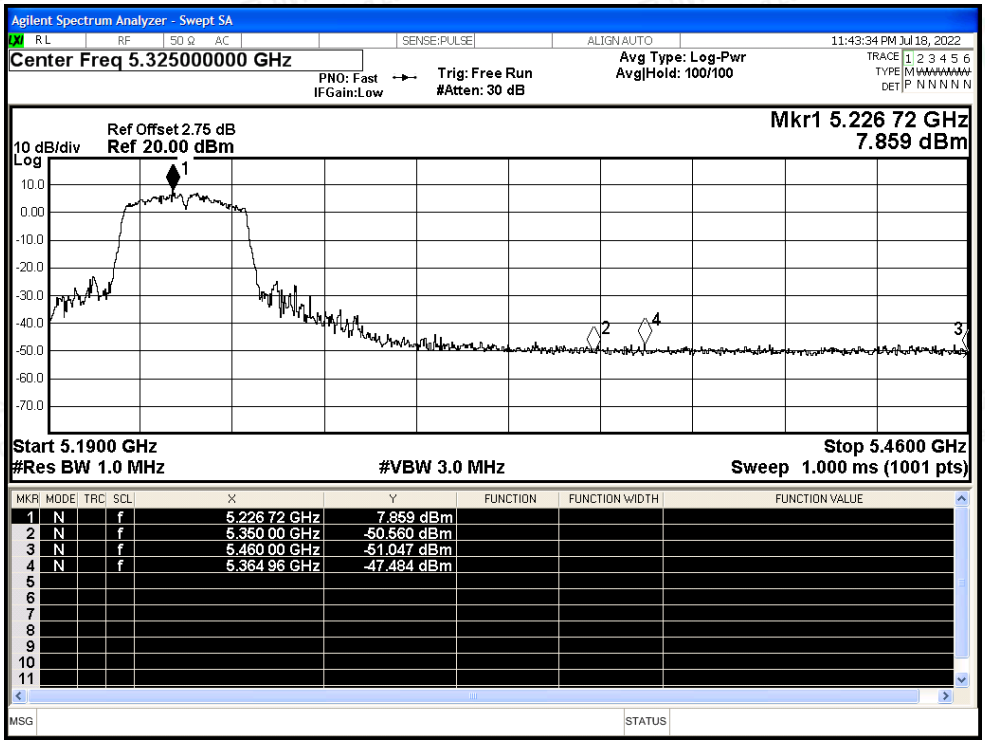
Restrict Band NVNT ac40 5190MHz Ant1 Peak



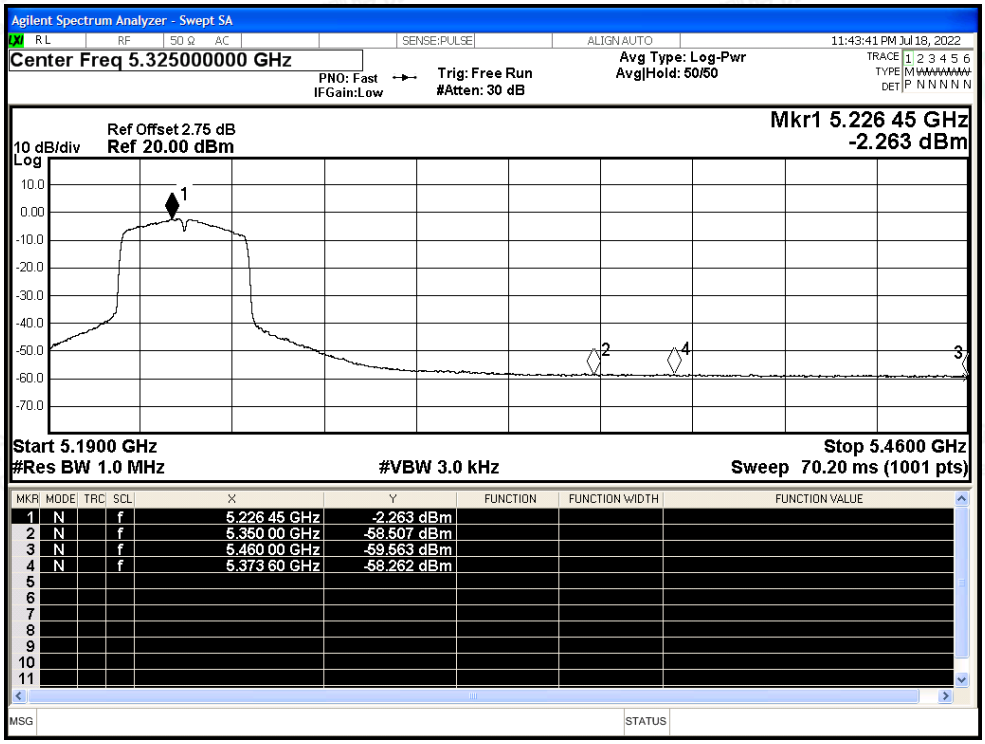
Restrict Band NVNT ac40 5190MHz Ant1 Average



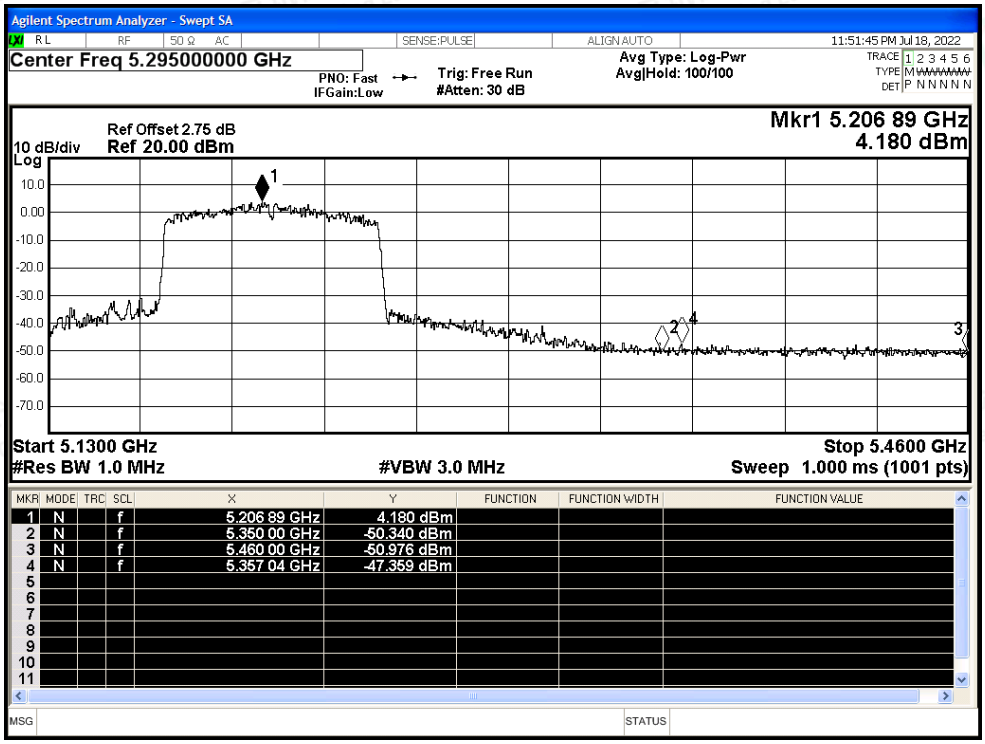
Restrict Band NVNT ac40 5230MHz Ant1 Peak



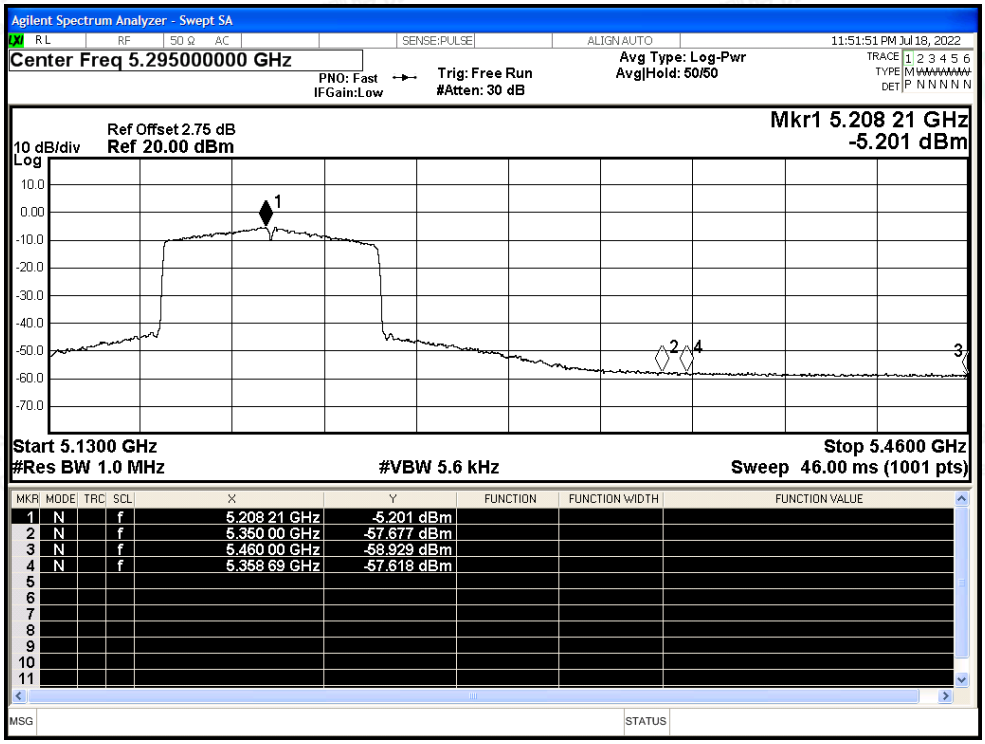
Restrict Band NVNT ac40 5230MHz Ant1 Average



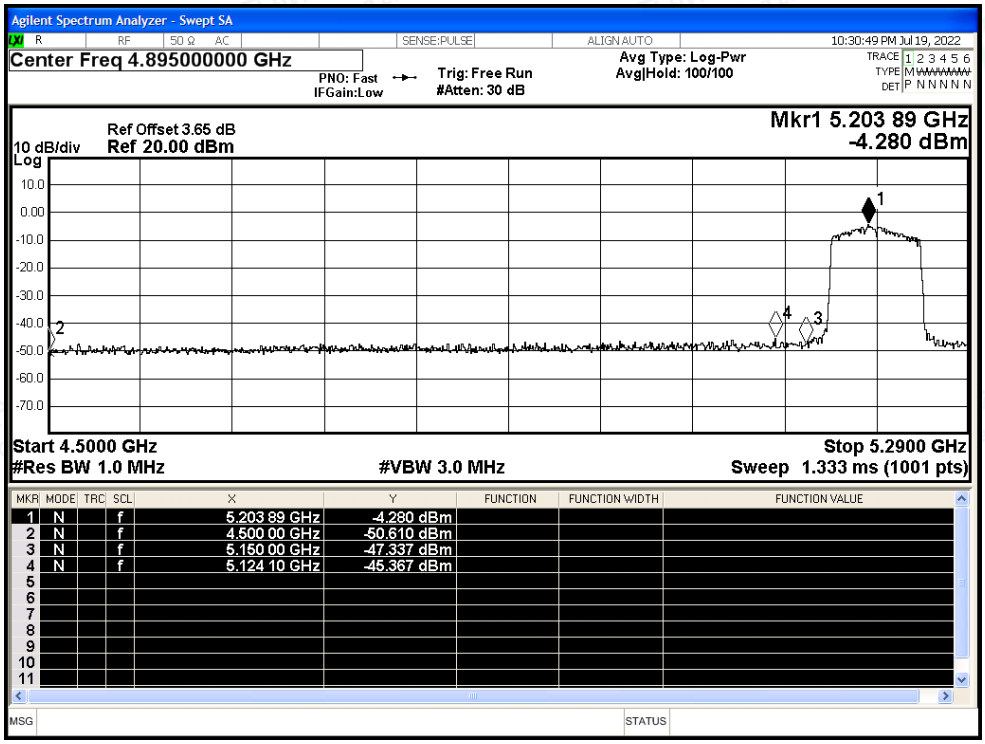
Restrict Band NVNT ac80 5210MHz Ant1 Peak



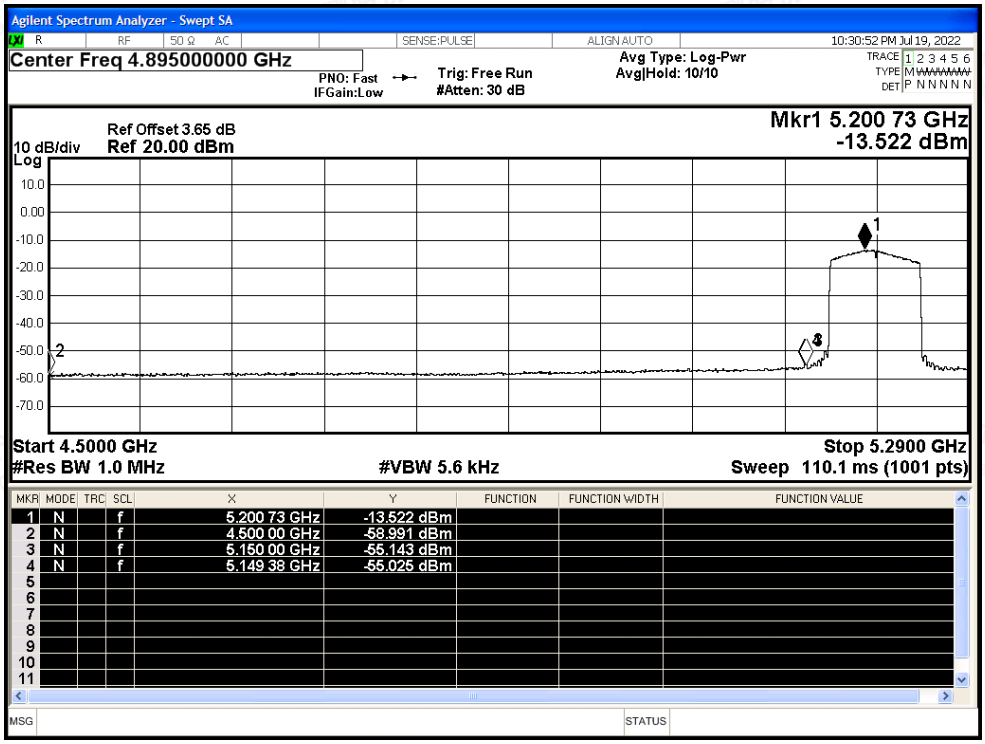
Restrict Band NVNT ac80 5210MHz Ant1 Average



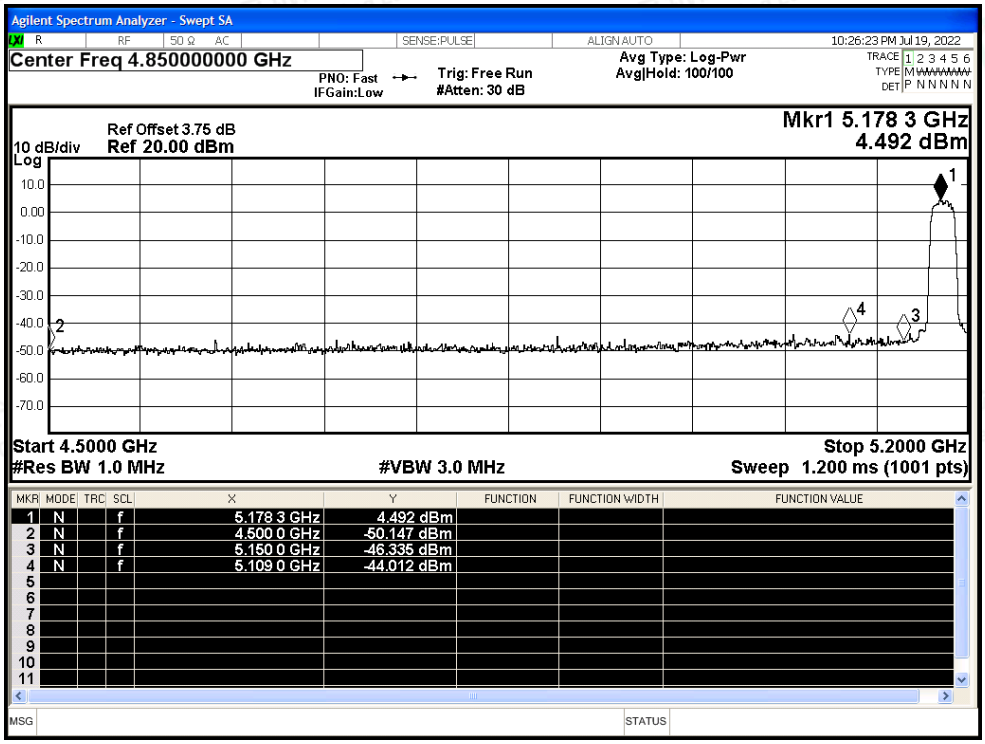
Restrict Band NVNT ac80 5210MHz Ant1 Peak



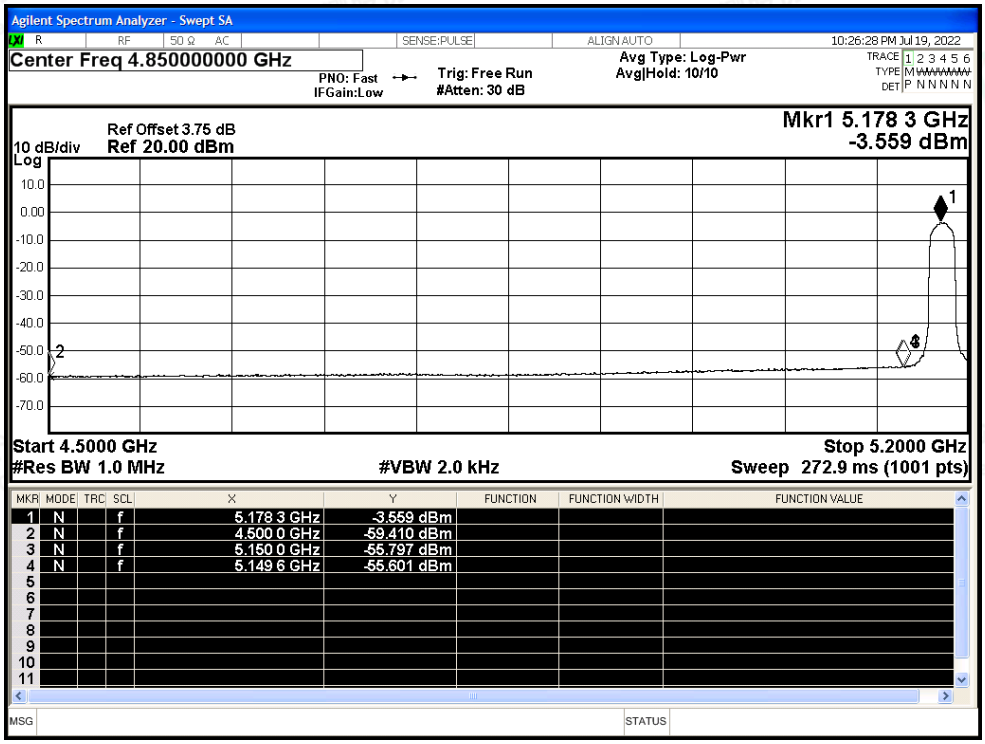
Restrict Band NVNT ac80 5210MHz Ant1 Average



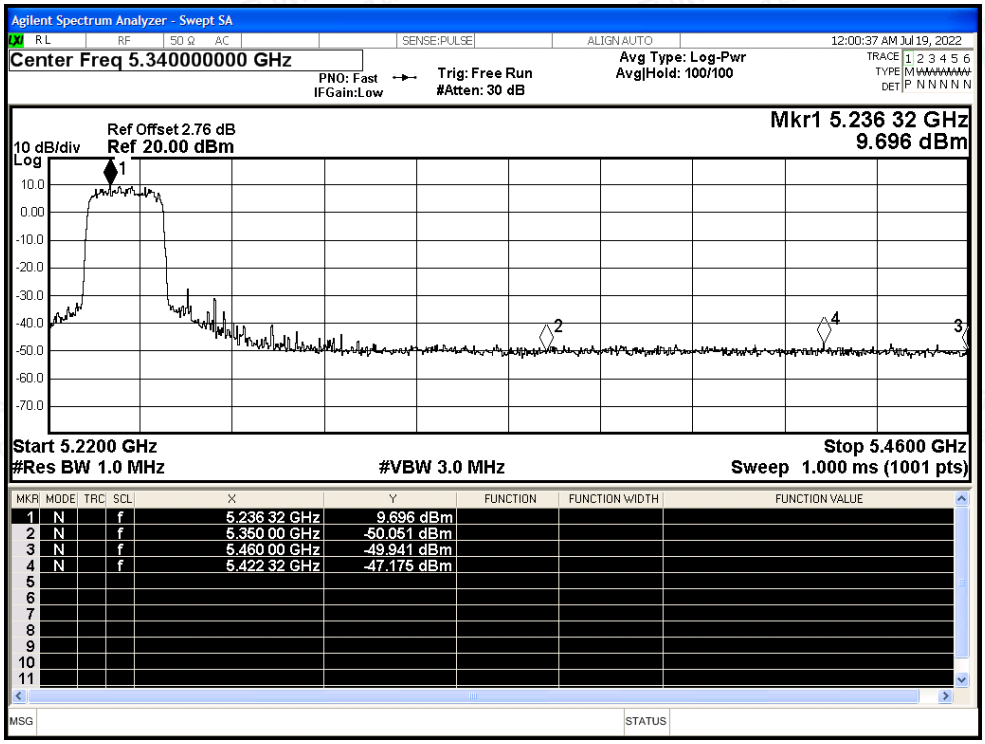
Restrict Band NVNT ax20 5180MHz Ant1 Peak



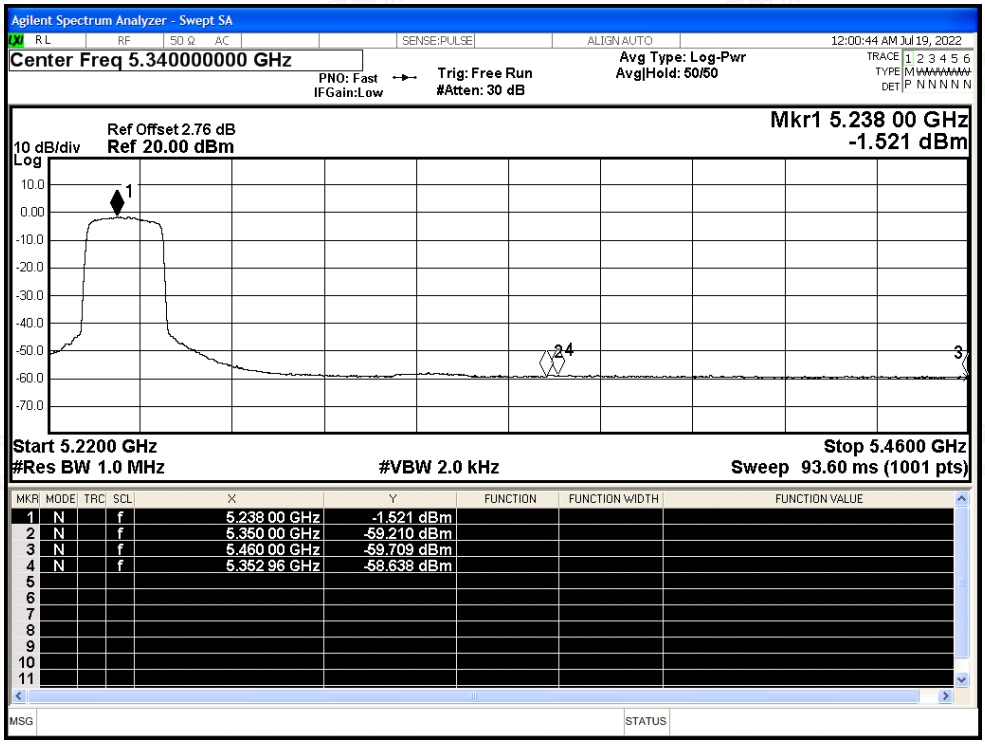
Restrict Band NVNT ax20 5180MHz Ant1 Average



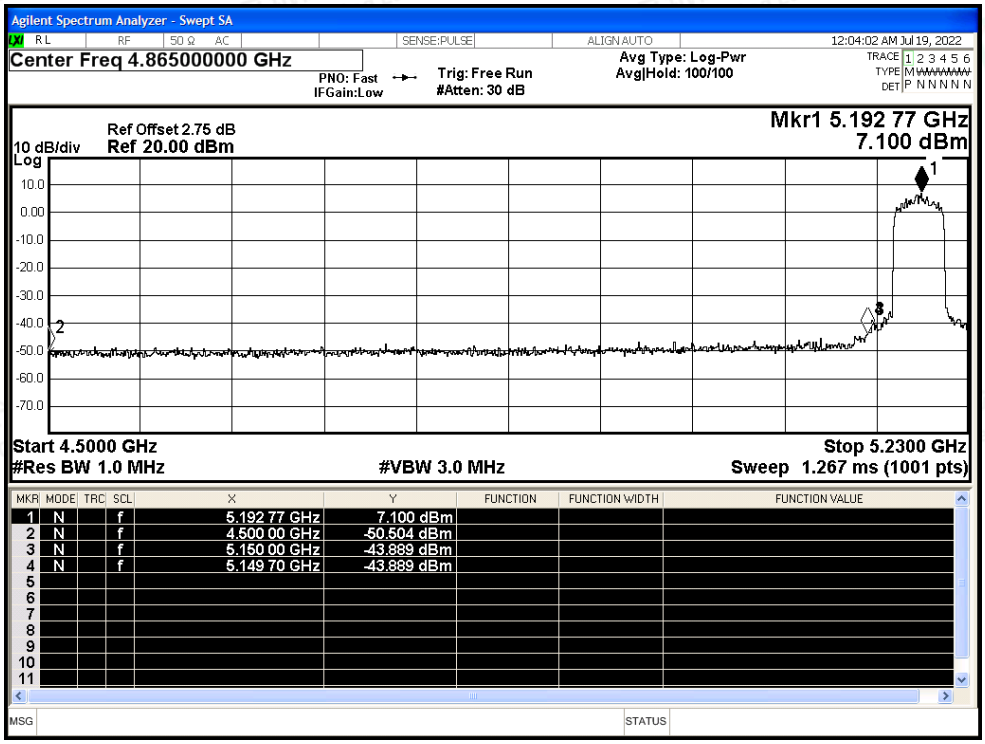
Restrict Band NVNT ax20 5240MHz Ant1 Peak



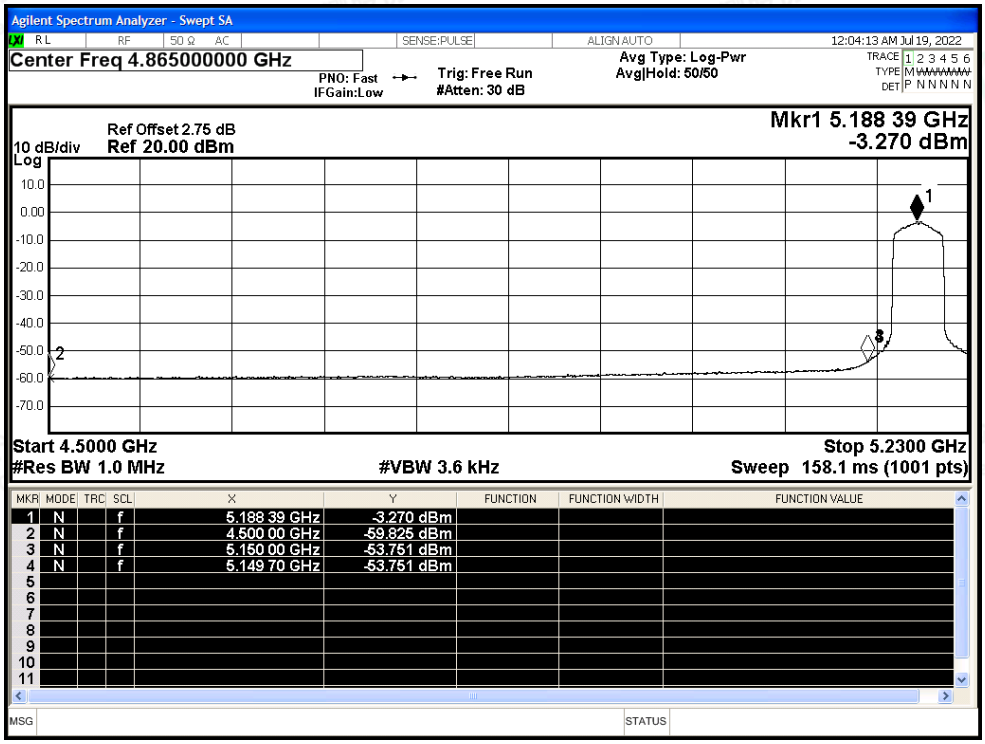
Restrict Band NVNT ax20 5240MHz Ant1 Average



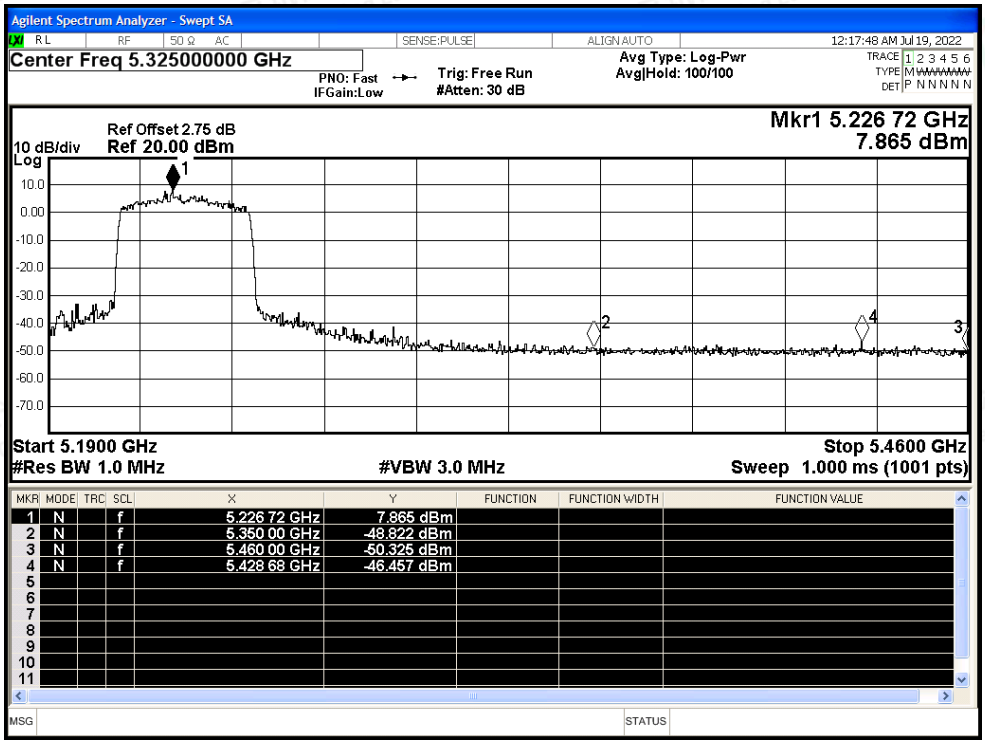
Restrict Band NVNT ax40 5190MHz Ant1 Peak



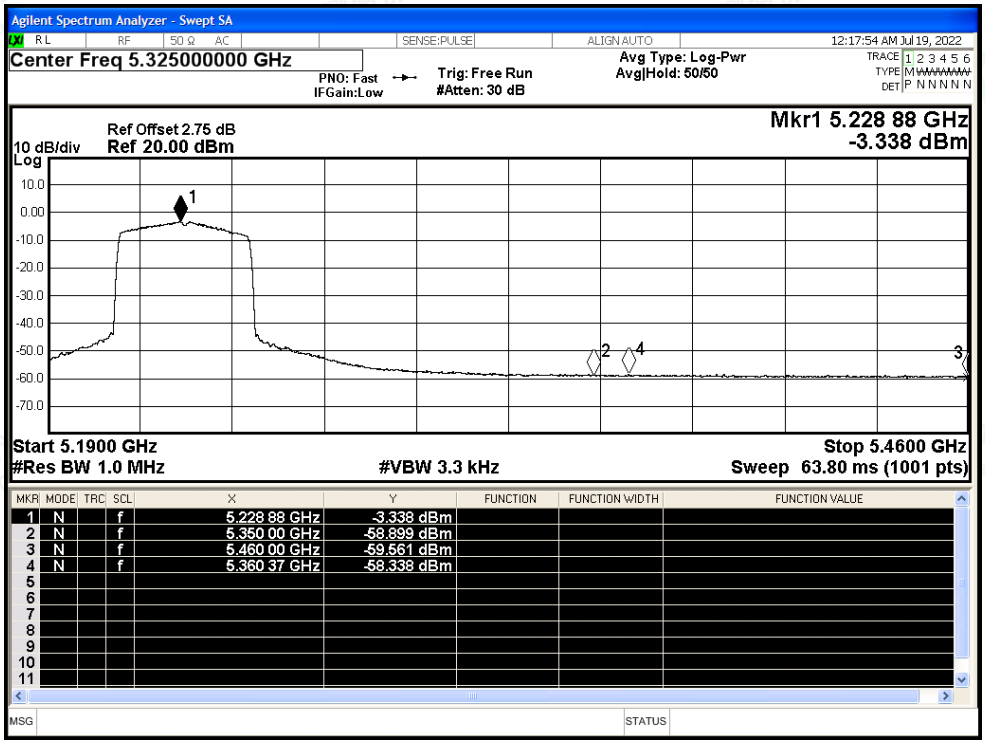
Restrict Band NVNT ax40 5190MHz Ant1 Average



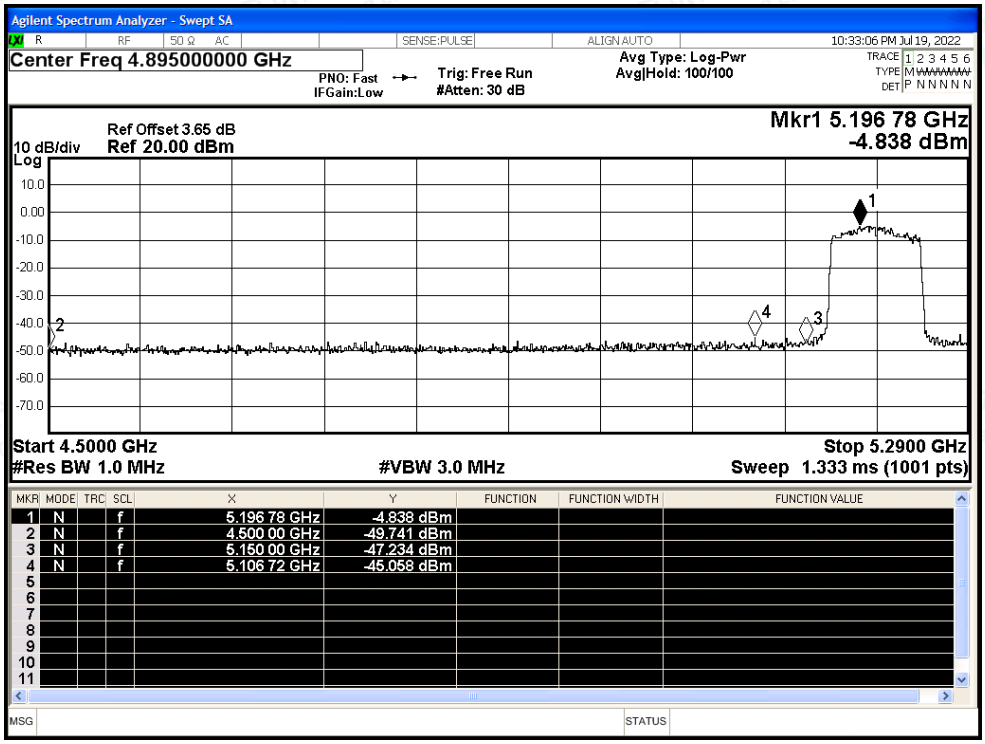
Restrict Band NVNT ax40 5230MHz Ant1 Peak



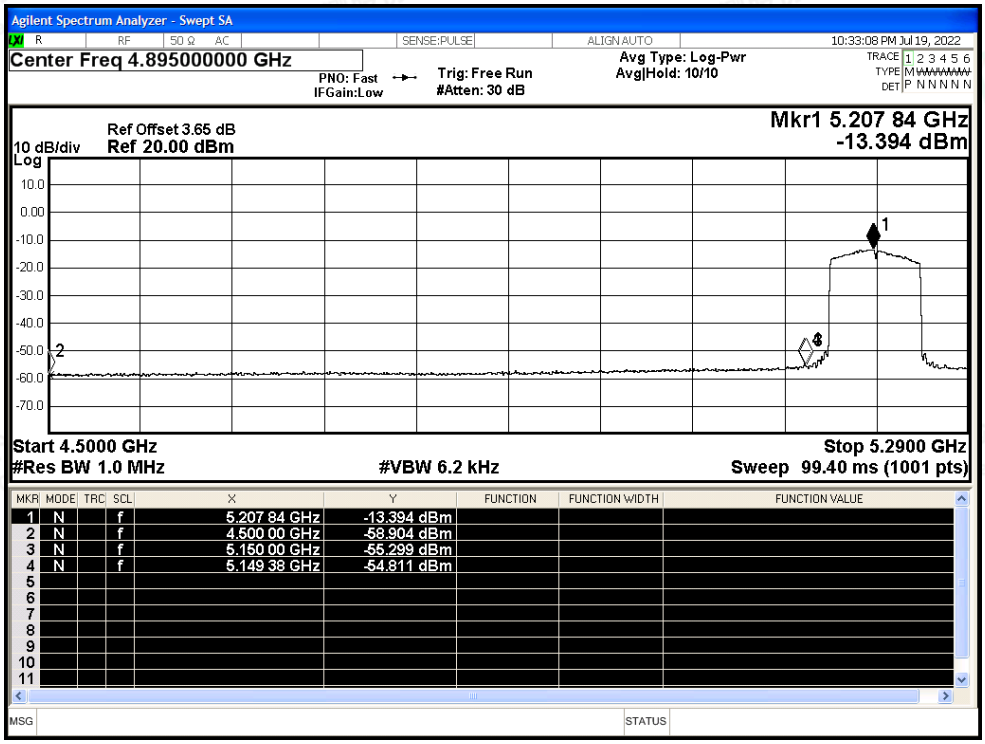
Restrict Band NVNT ax40 5230MHz Ant1 Average



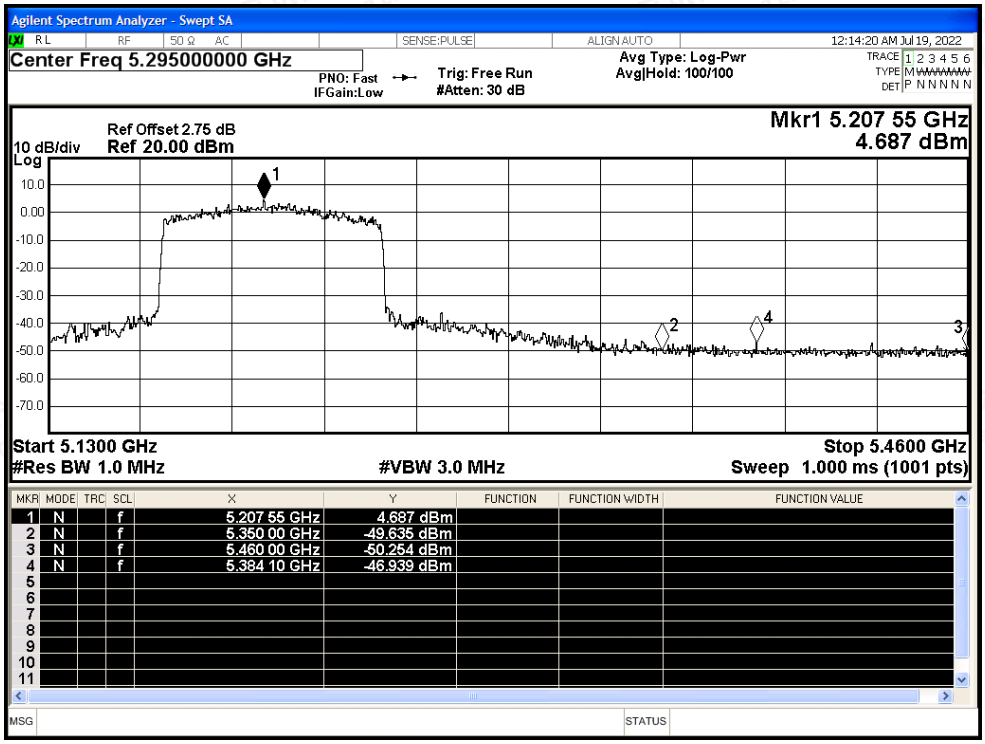
Restrict Band NVNT ax80 5210MHz Ant1 Peak



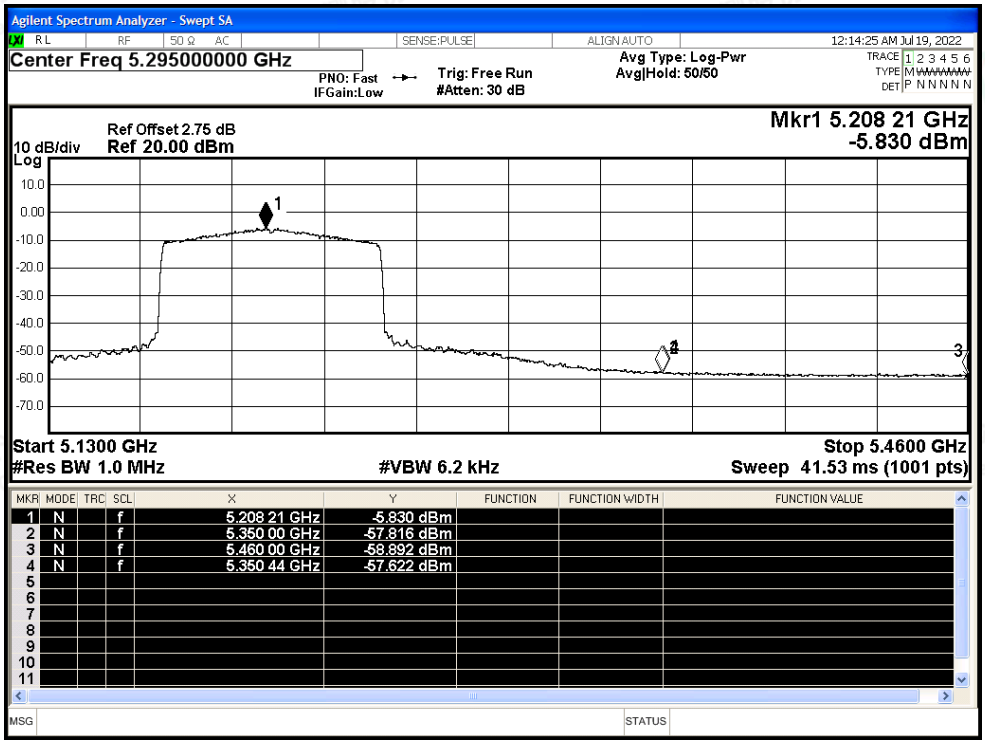
Restrict Band NVNT ax80 5210MHz Ant1 Average



Restrict Band NVNT ax80 5210MHz Ant1 Peak



Restrict Band NVNT ax80 5210MHz Ant1 Average

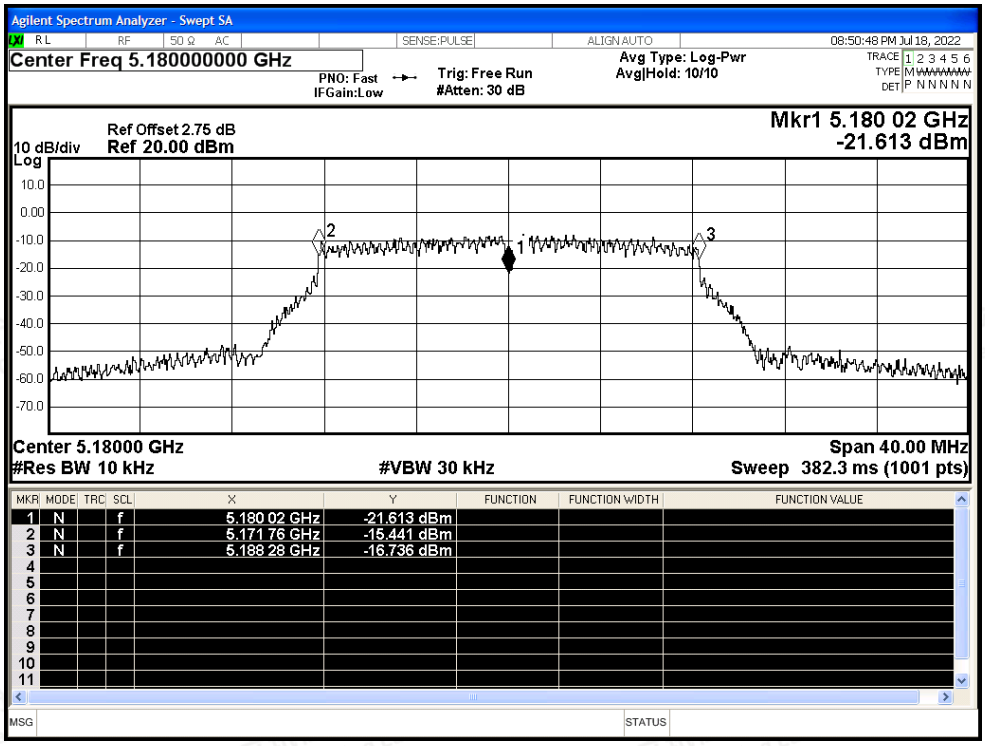


B.6 Frequency Stability

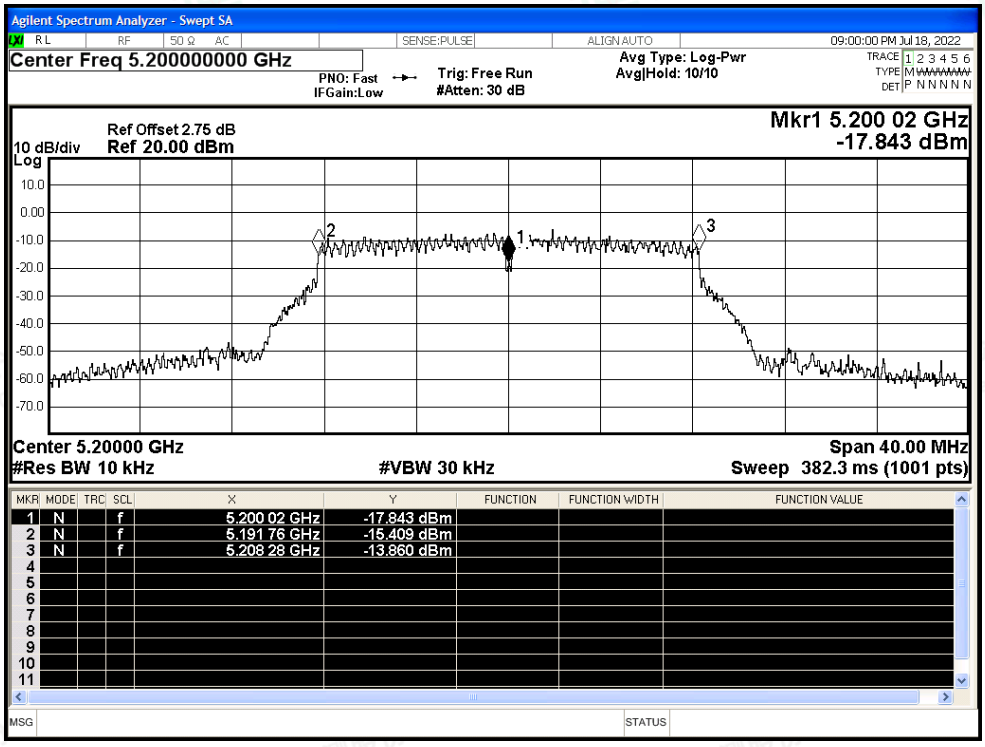
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	a	5180	Ant0	5180.02	20000	3.86	25	Pass
NVNT	a	5200	Ant0	5200.02	20000	3.85	25	Pass
NVNT	a	5240	Ant0	5240.04	40000	7.63	25	Pass
NVNT	n20	5180	Ant0	5180.02	20000	3.86	25	Pass
NVNT	n20	5200	Ant0	5200.02	20000	3.85	25	Pass
NVNT	n20	5240	Ant0	5240.04	40000	7.63	25	Pass
NVNT	n40	5190	Ant0	5190.04	40000	7.71	25	Pass
NVNT	n40	5230	Ant0	5230.04	40000	7.65	25	Pass
NVNT	ac20	5180	Ant0	5180.04	40000	7.72	25	Pass
NVNT	ac20	5200	Ant0	5200.04	40000	7.69	25	Pass
NVNT	ac20	5240	Ant0	5240.06	60000	11.45	25	Pass
NVNT	ac40	5190	Ant0	5189.88	-120000	-23.12	25	Pass
NVNT	ac40	5230	Ant0	5230.04	40000	7.65	25	Pass
NVNT	ac80	5210	Ant0	5210.08	80000	15.36	25	Pass
NVNT	ax20	5180	Ant0	5180.02	20000	3.86	25	Pass
NVNT	ax20	5200	Ant0	5200.02	20000	3.85	25	Pass
NVNT	ax20	5240	Ant0	5240.04	40000	7.63	25	Pass
NVNT	ax40	5190	Ant0	5190.04	40000	7.71	25	Pass
NVNT	ax40	5230	Ant0	5230.04	40000	7.65	25	Pass
NVNT	ax80	5210	Ant0	5209.92	-80000	-15.36	25	Pass

Test Graphs

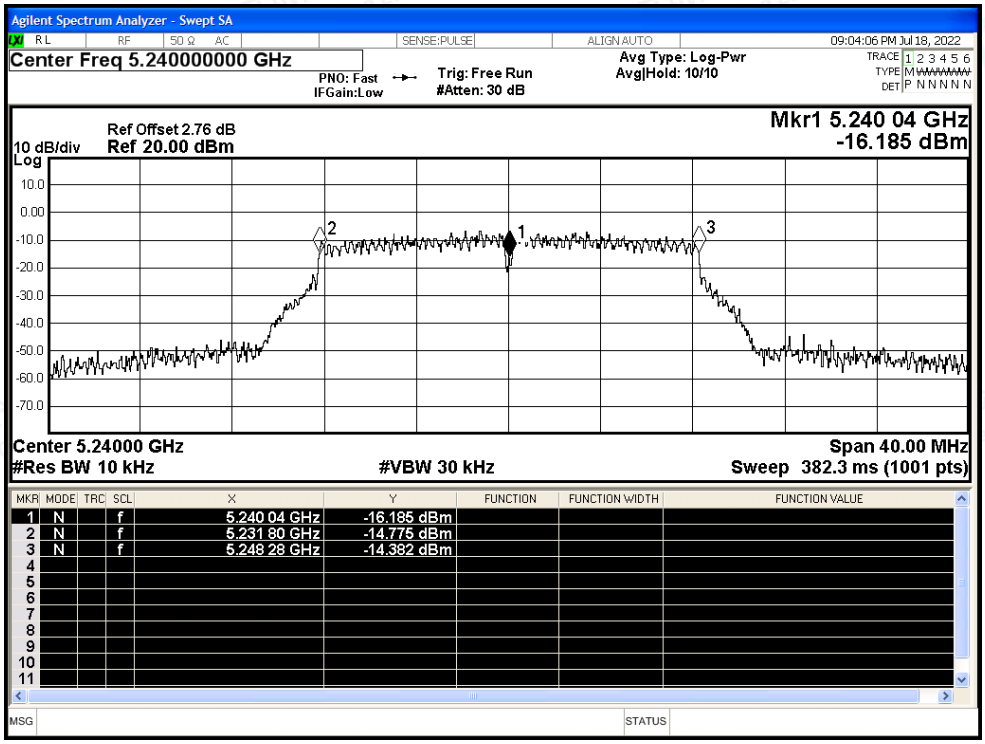
Freq. Stability NVNT a 5180MHz Ant0



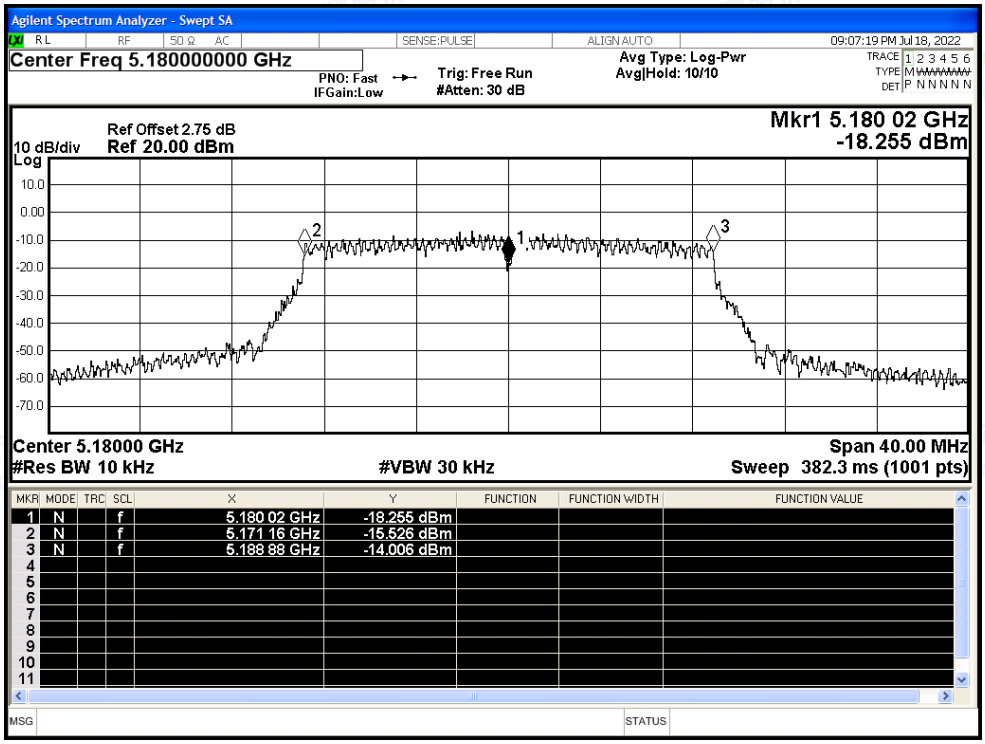
Freq. Stability NVNT a 5200MHz Ant0



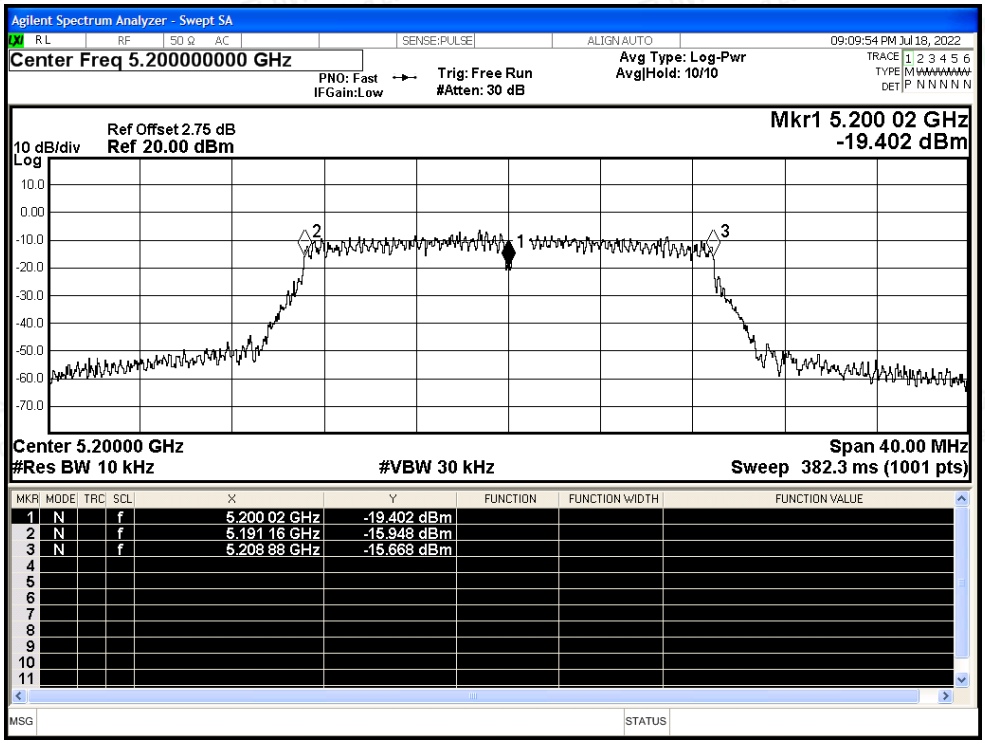
Freq. Stability NVNT a 5240MHz Ant0



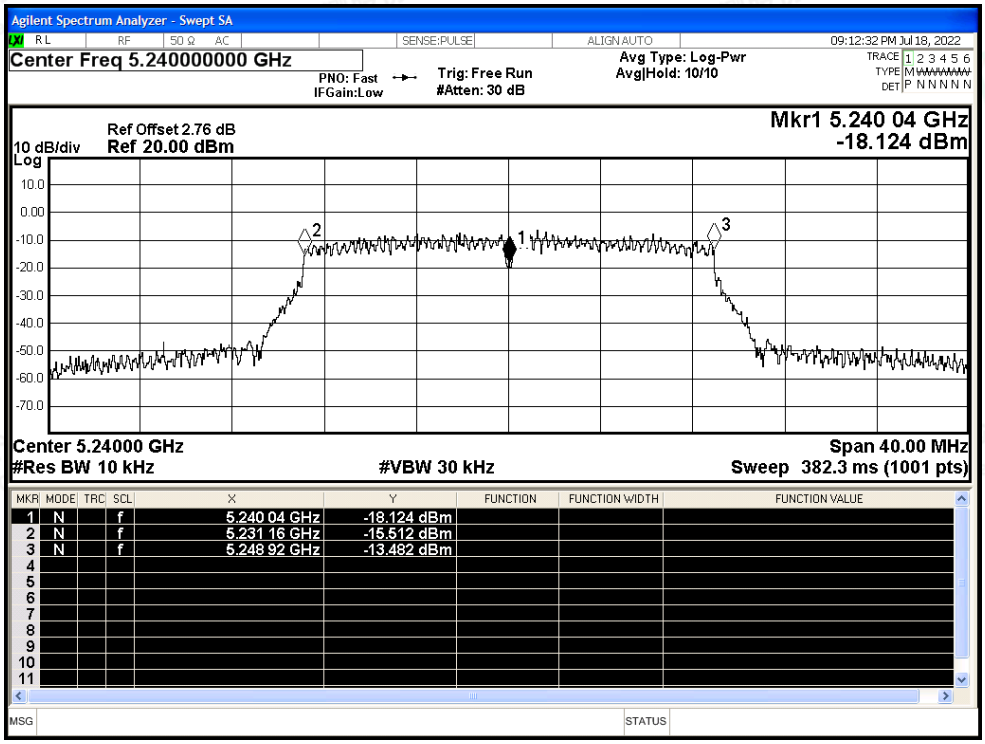
Freq. Stability NVNT n20 5180MHz Ant0



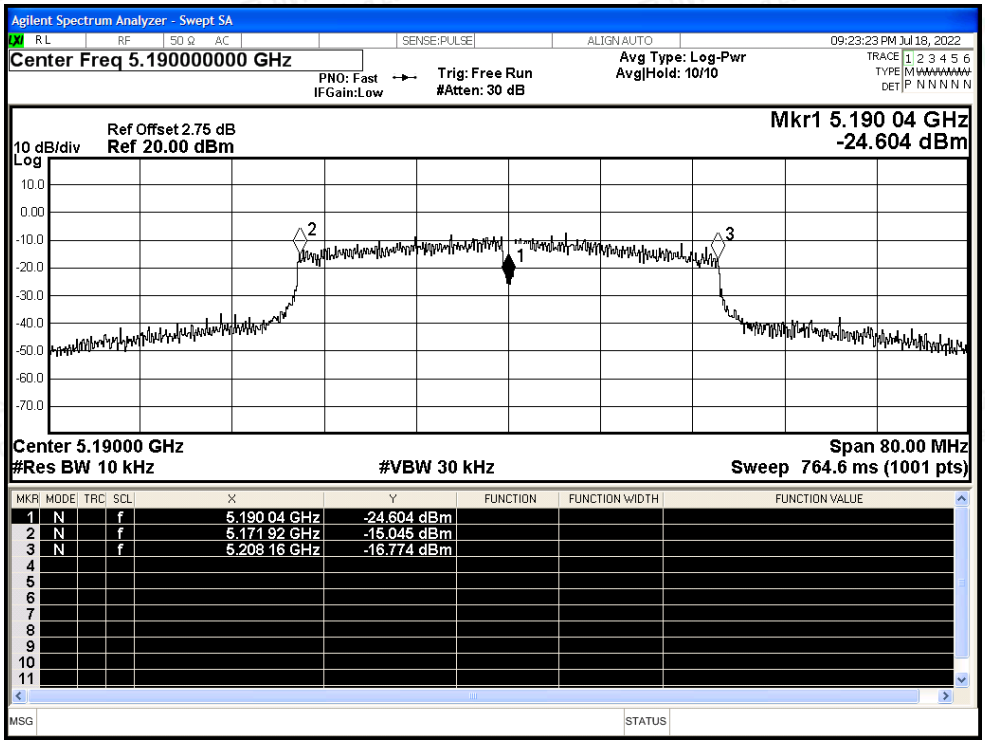
Freq. Stability NVNT n20 5200MHz Ant0



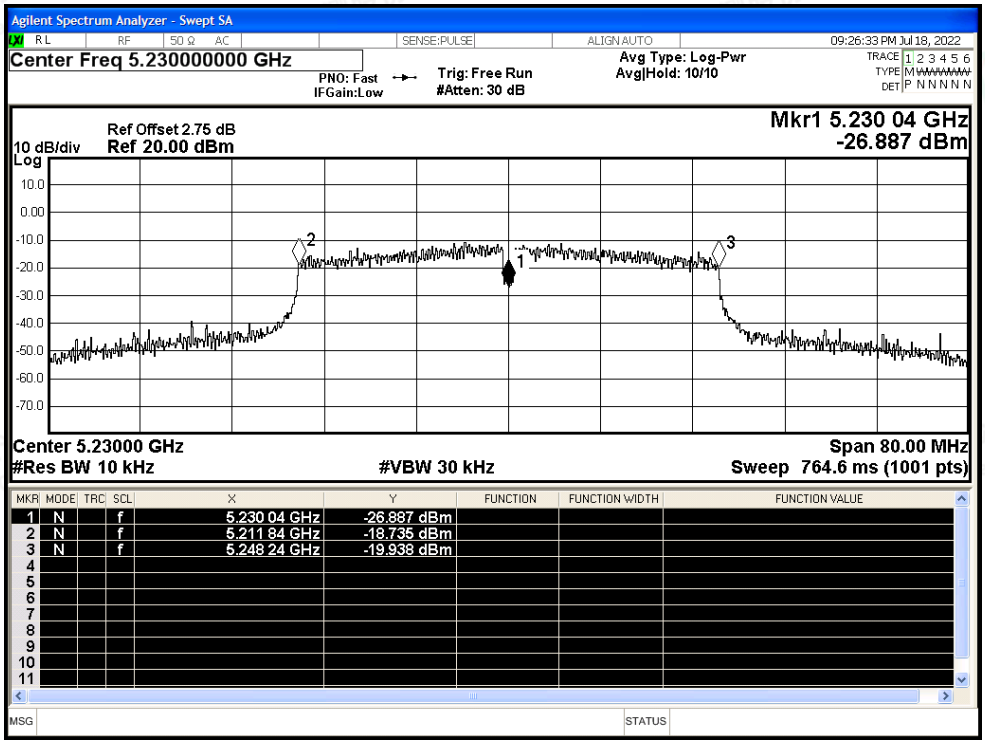
Freq. Stability NVNT n20 5240MHz Ant0



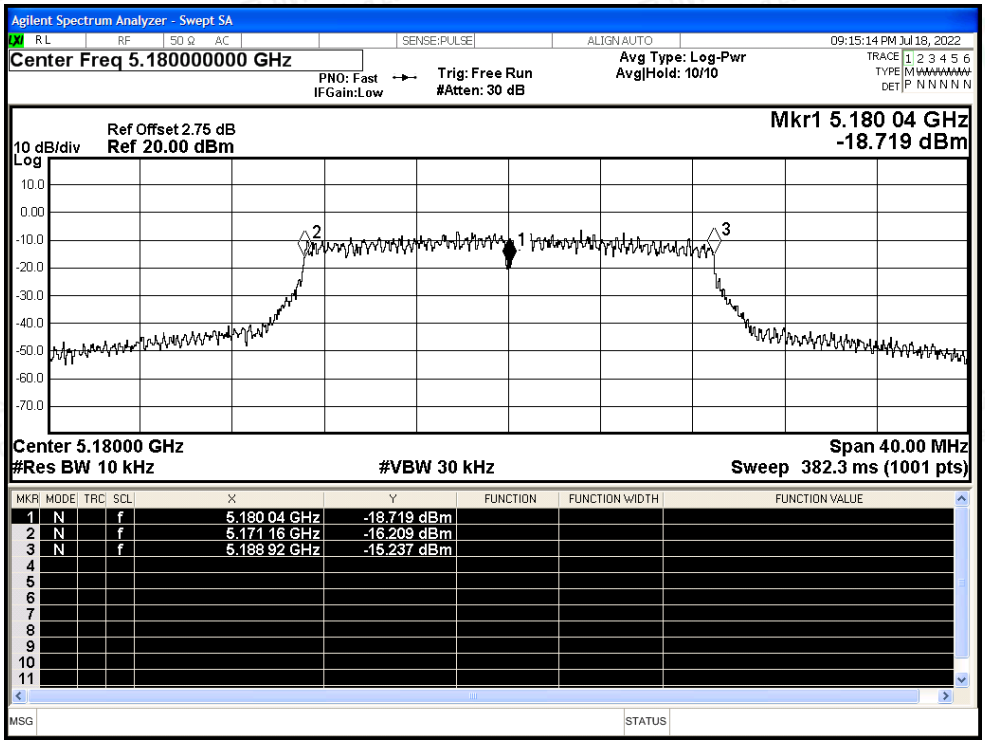
Freq. Stability NVNT n40 5190MHz Ant0



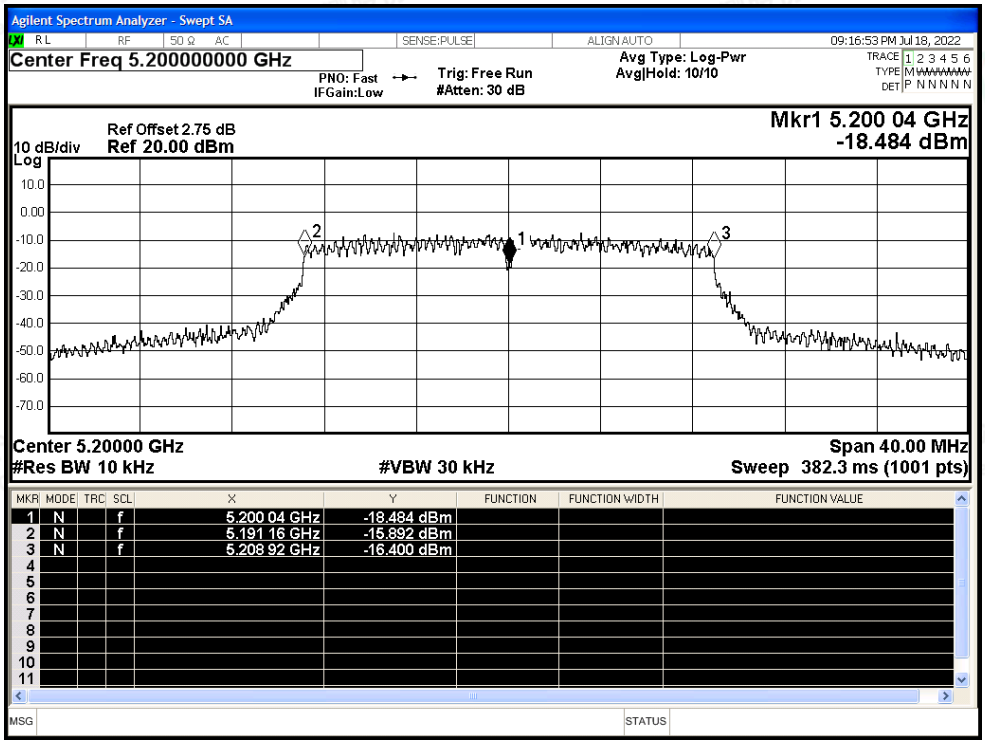
Freq. Stability NVNT n40 5230MHz Ant0



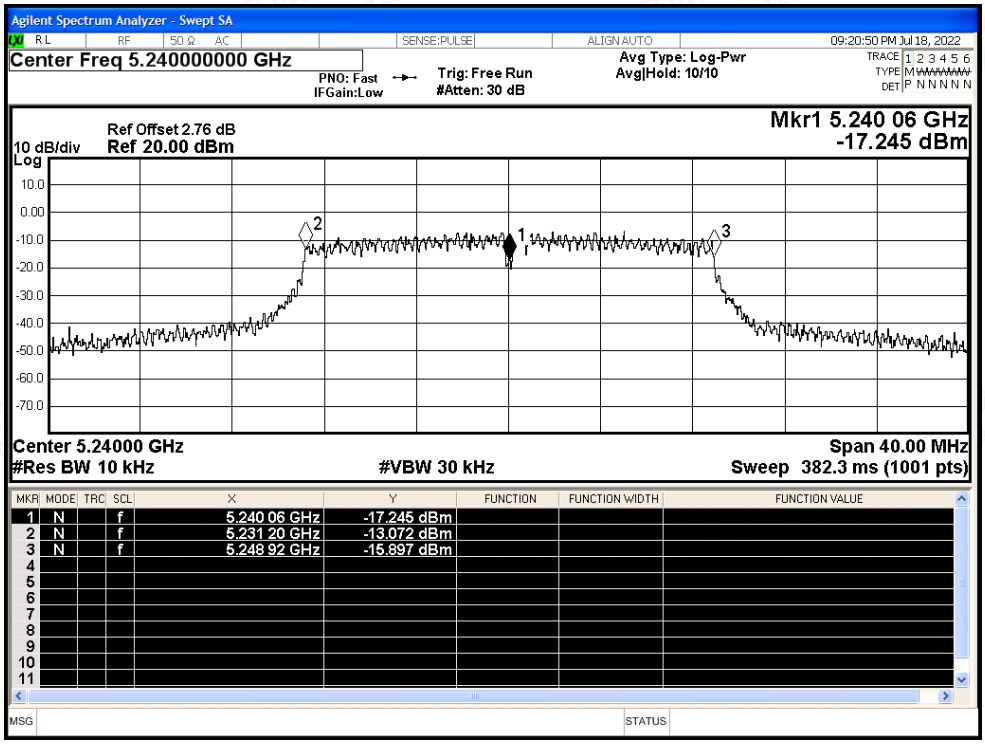
Freq. Stability NVNT ac20 5180MHz Ant0



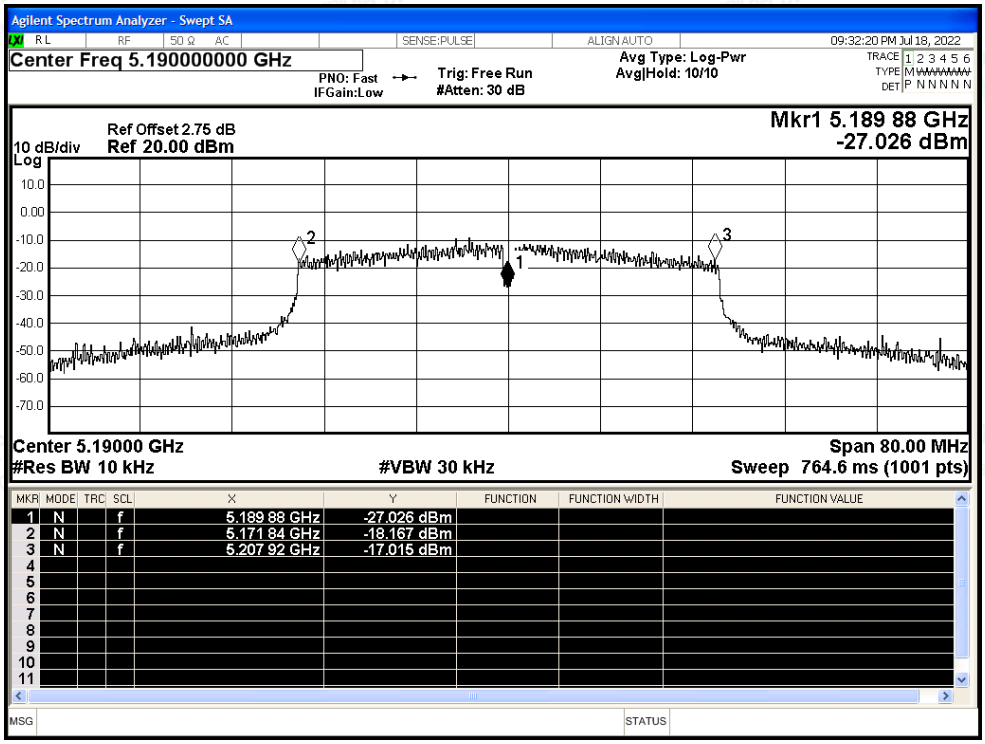
Freq. Stability NVNT ac20 5200MHz Ant0



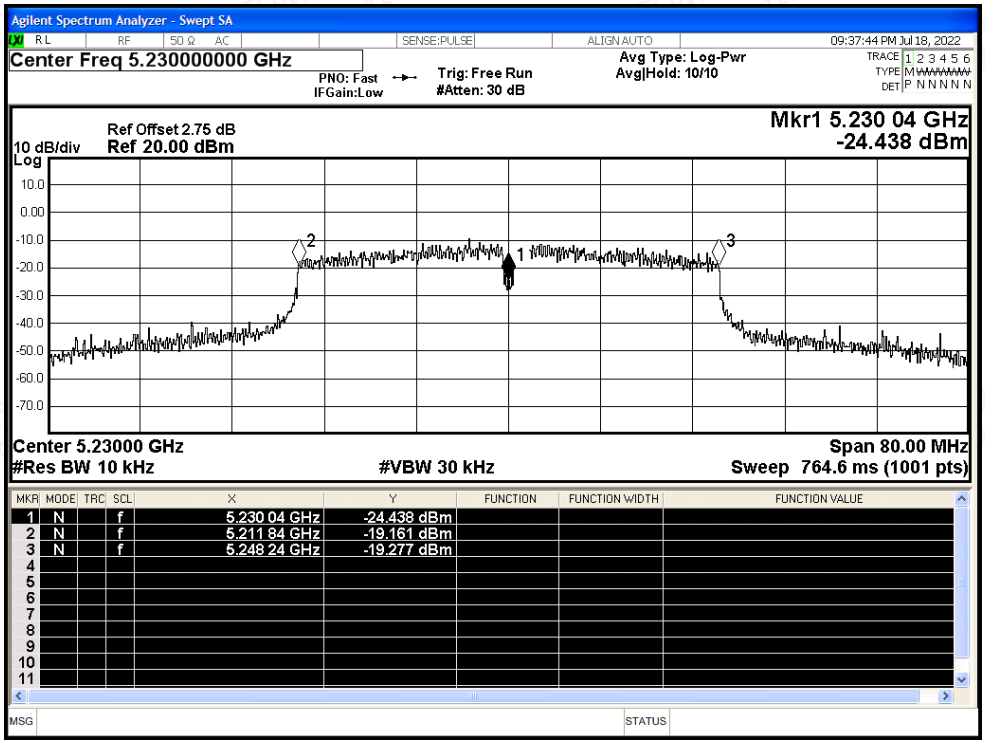
Freq. Stability NVNT ac20 5240MHz Ant0



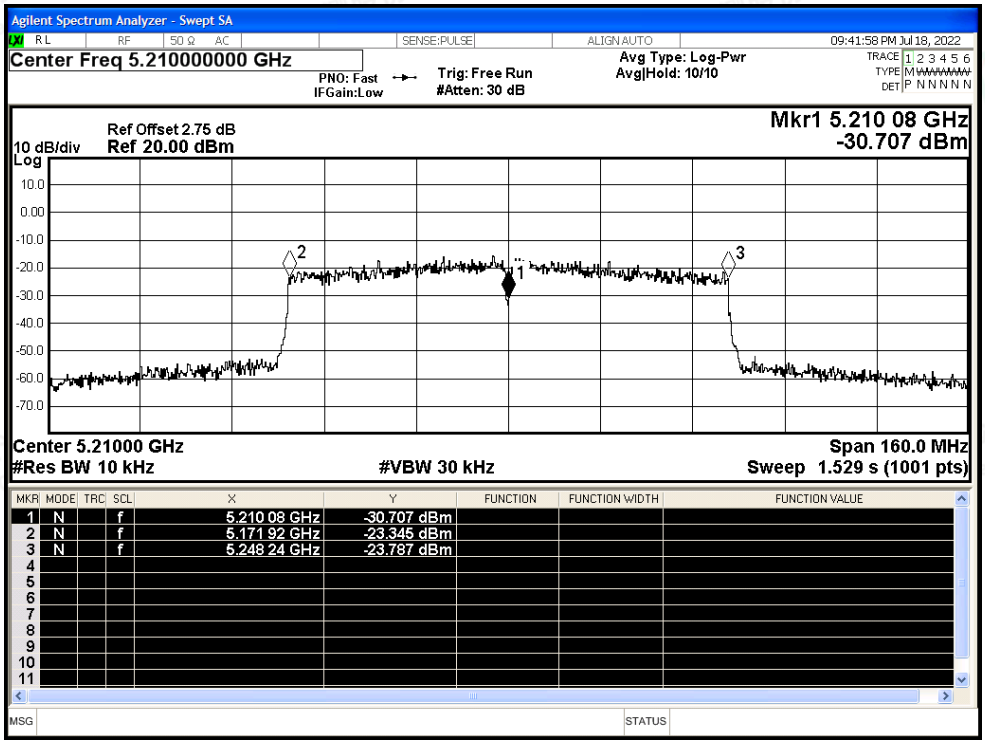
Freq. Stability NVNT ac40 5190MHz Ant0



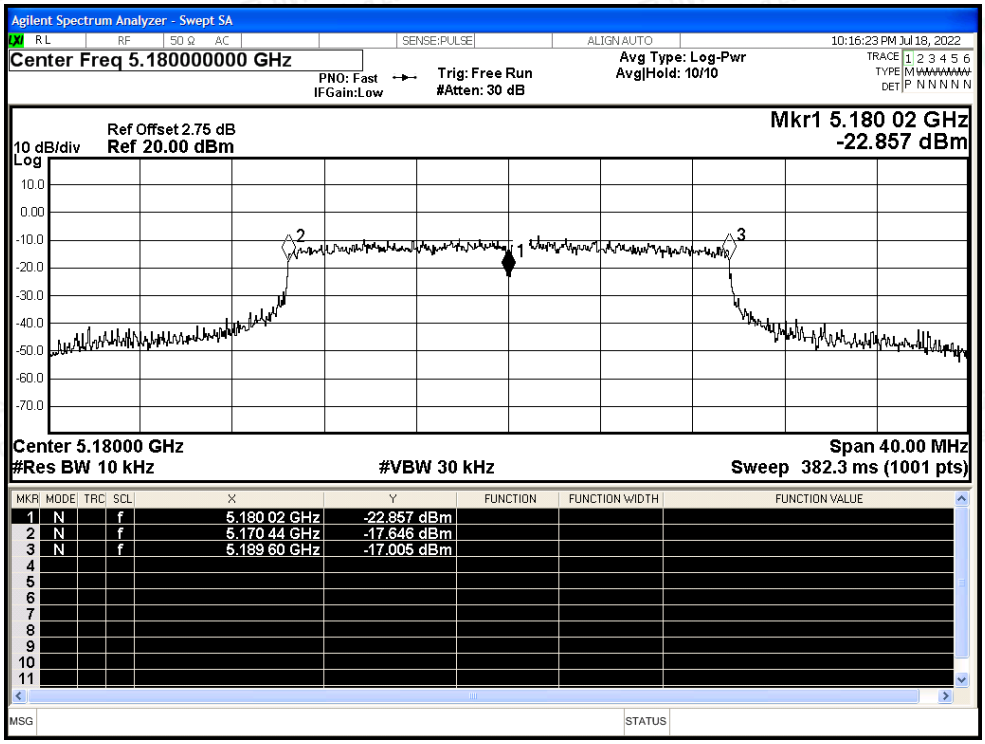
Freq. Stability NVNT ac40 5230MHz Ant0



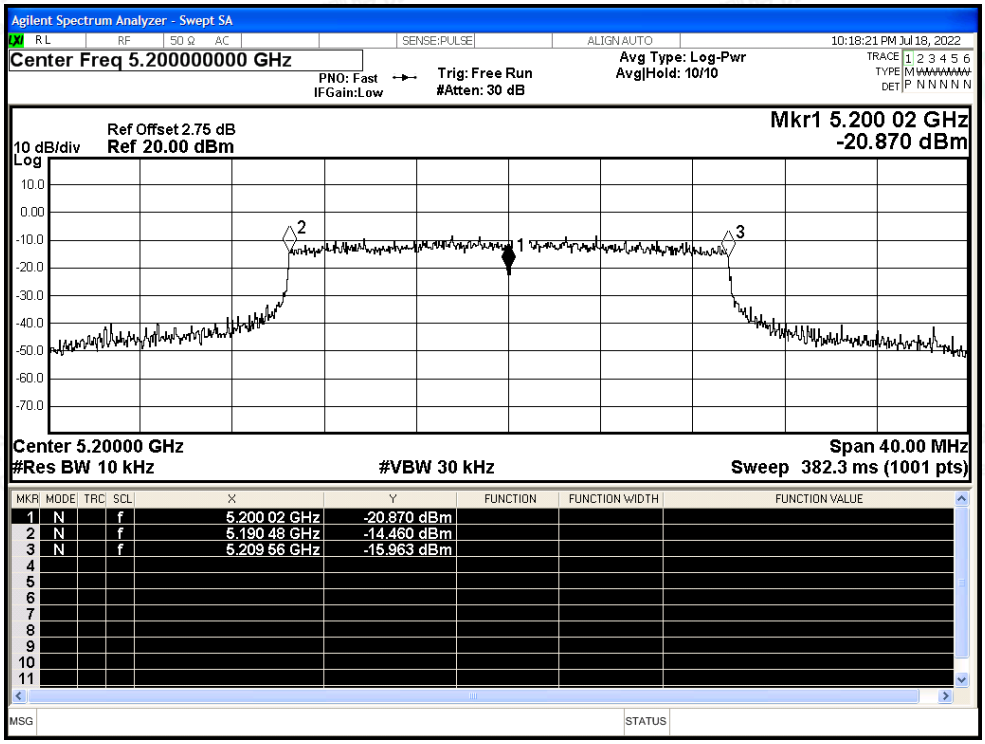
Freq. Stability NVNT ac80 5210MHz Ant0



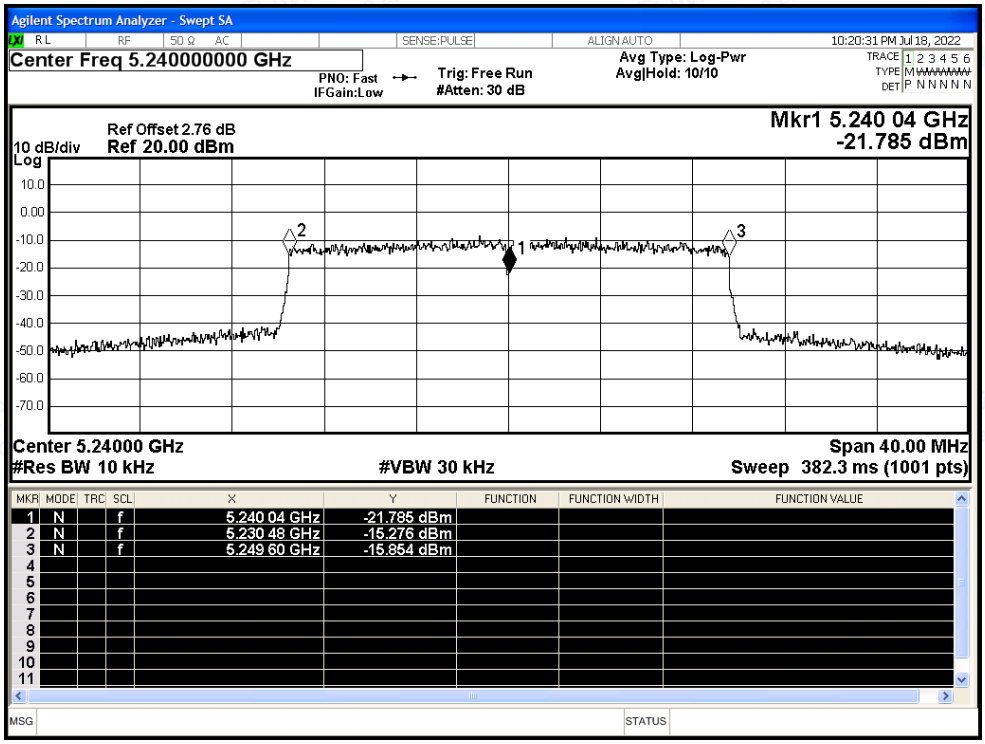
Freq. Stability NVNT ax20 5180MHz Ant0



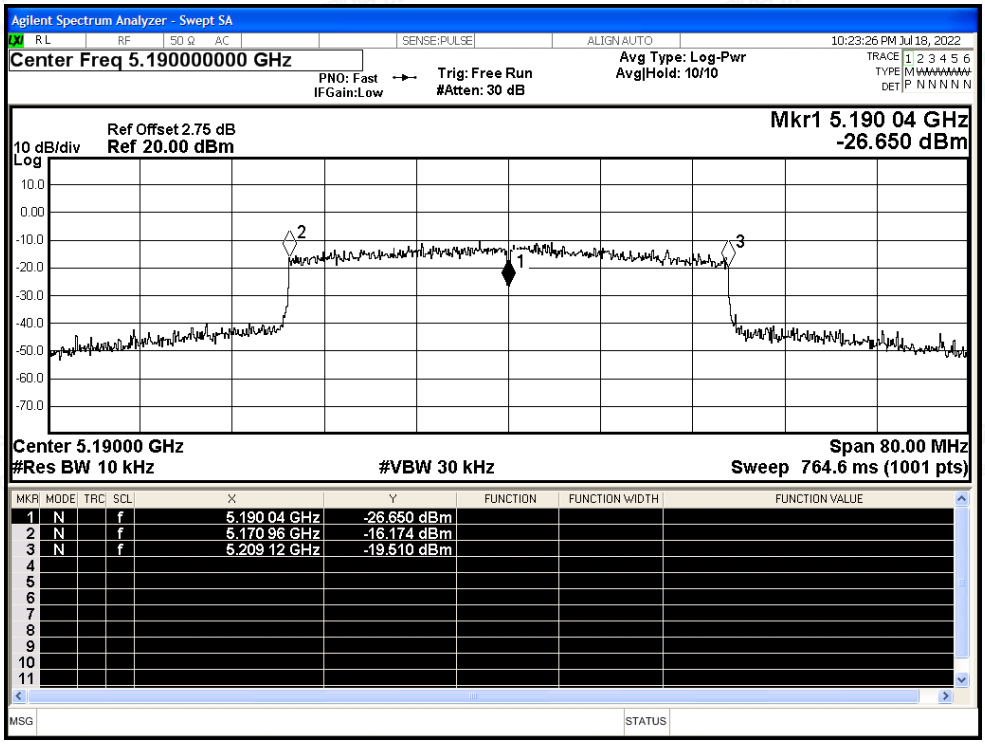
Freq. Stability NVNT ax20 5200MHz Ant0



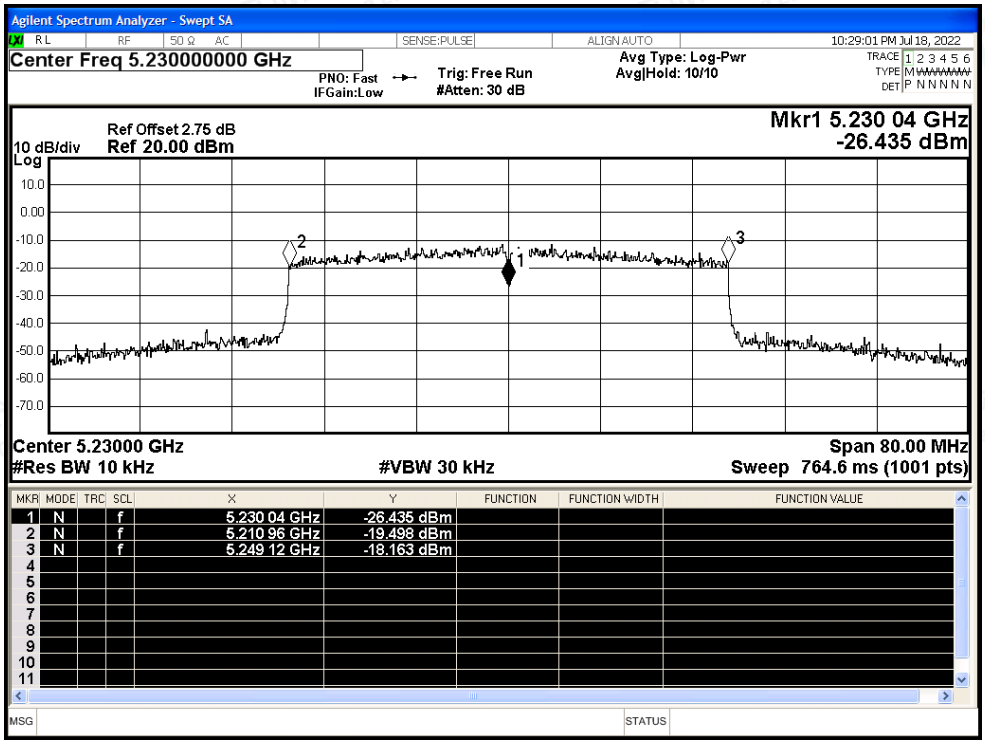
Freq. Stability NVNT ax20 5240MHz Ant0



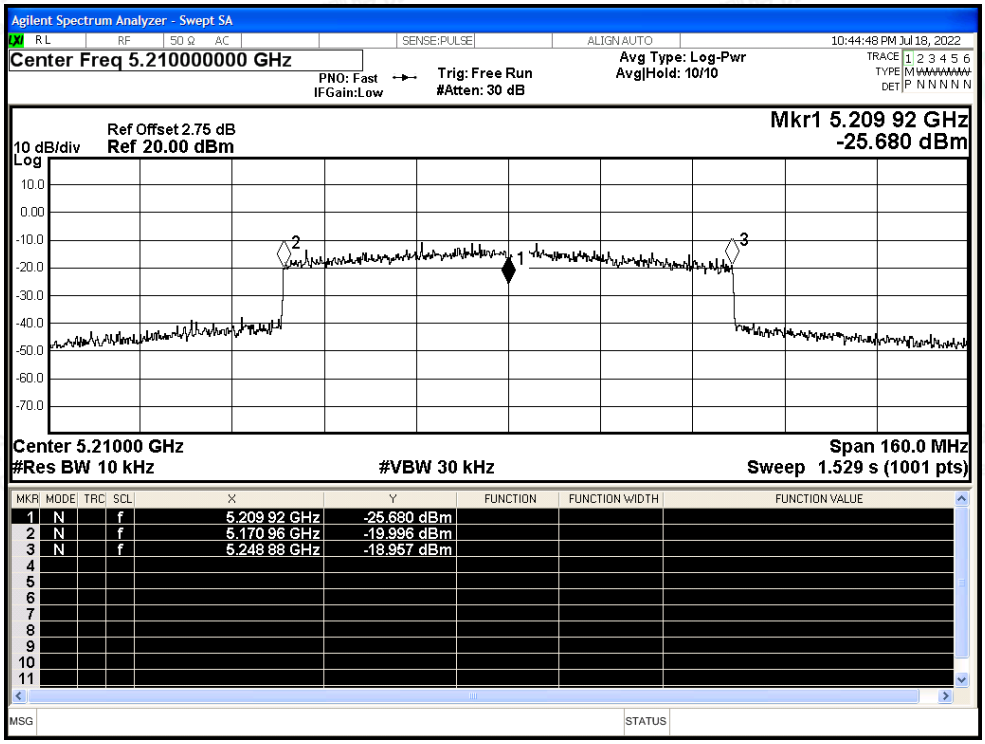
Freq. Stability NVNT ax40 5190MHz Ant0



Freq. Stability NVNT ax40 5230MHz Ant0



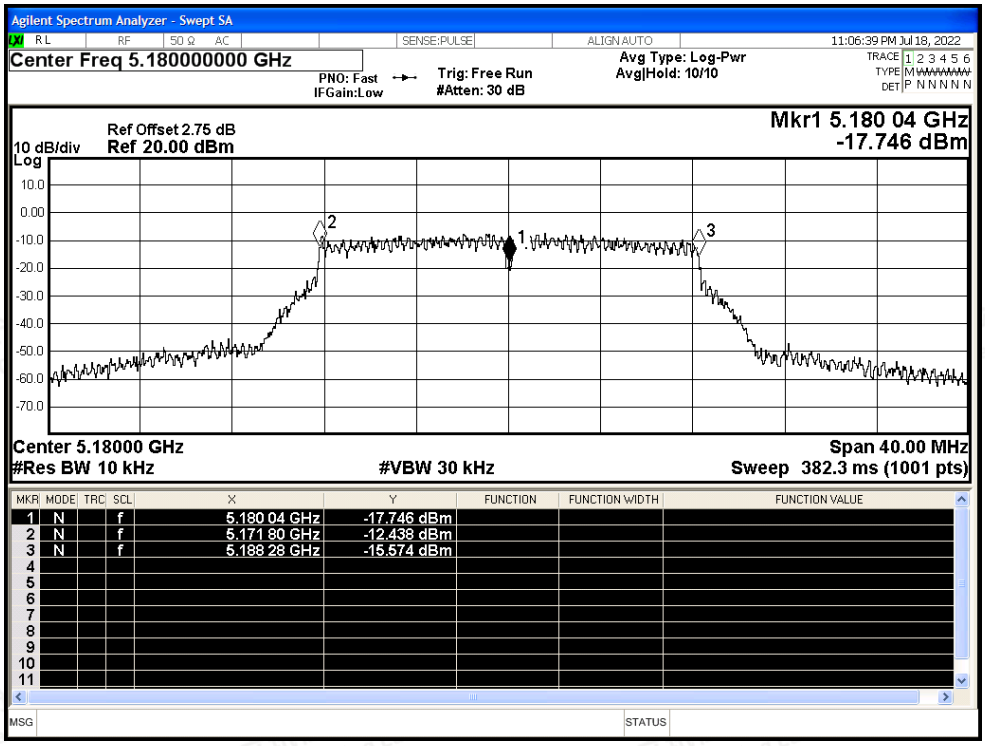
Freq. Stability NVNT ax80 5210MHz Ant0



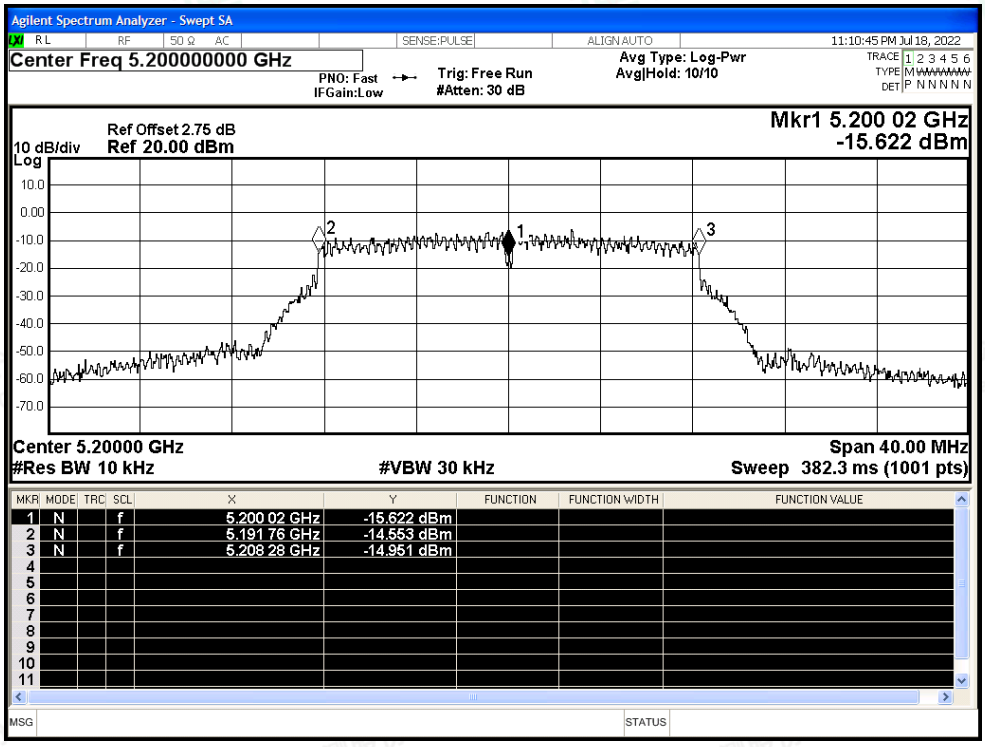
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	a	5180	Ant1	5180.04	40000	7.72	25	Pass
NVNT	a	5200	Ant1	5200.02	20000	3.85	25	Pass
NVNT	a	5240	Ant1	5240.02	20000	3.82	25	Pass
NVNT	n20	5180	Ant1	5180.04	40000	7.72	25	Pass
NVNT	n20	5200	Ant1	5200.04	40000	7.69	25	Pass
NVNT	n20	5240	Ant1	5240.02	20000	3.82	25	Pass
NVNT	n40	5190	Ant1	5190.04	40000	7.71	25	Pass
NVNT	n40	5230	Ant1	5230	0	0	25	Pass
NVNT	ac20	5180	Ant1	5180.02	20000	3.86	25	Pass
NVNT	ac20	5200	Ant1	5200.04	40000	7.69	25	Pass
NVNT	ac20	5240	Ant1	5240.02	20000	3.82	25	Pass
NVNT	ac40	5190	Ant1	5190.04	40000	7.71	25	Pass
NVNT	ac40	5230	Ant1	5230	0	0	25	Pass
NVNT	ac80	5210	Ant1	5209.92	-80000	-15.36	25	Pass
NVNT	ax20	5180	Ant1	5180.04	40000	7.72	25	Pass
NVNT	ax20	5200	Ant1	5200.04	40000	7.69	25	Pass
NVNT	ax20	5240	Ant1	5240.04	40000	7.63	25	Pass
NVNT	ax40	5190	Ant1	5190.04	40000	7.71	25	Pass
NVNT	ax40	5230	Ant1	5230	0	0	25	Pass
NVNT	ax80	5210	Ant1	5210	0	0	25	Pass

Test Graphs

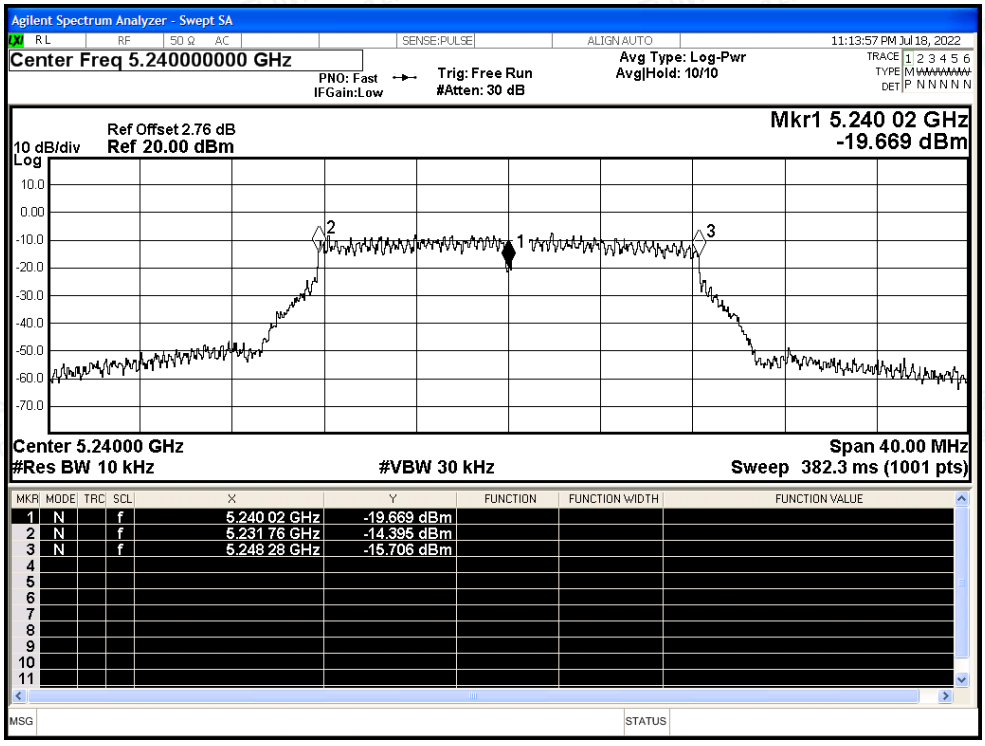
Freq. Stability NVNT a 5180MHz Ant1



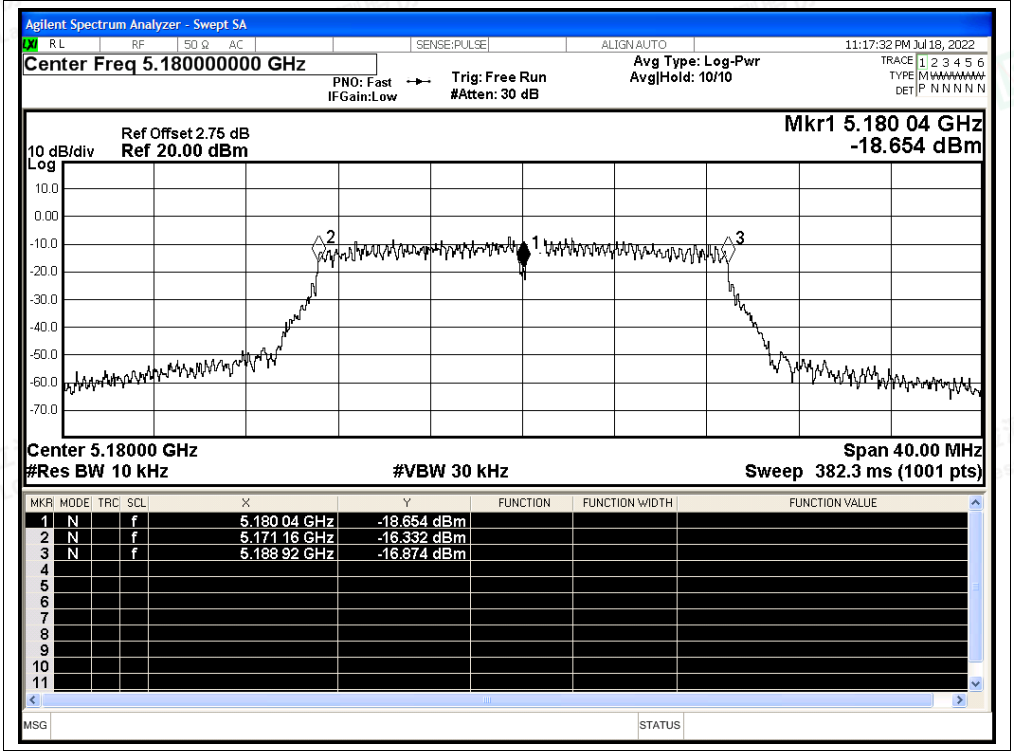
Freq. Stability NVNT a 5200MHz Ant1



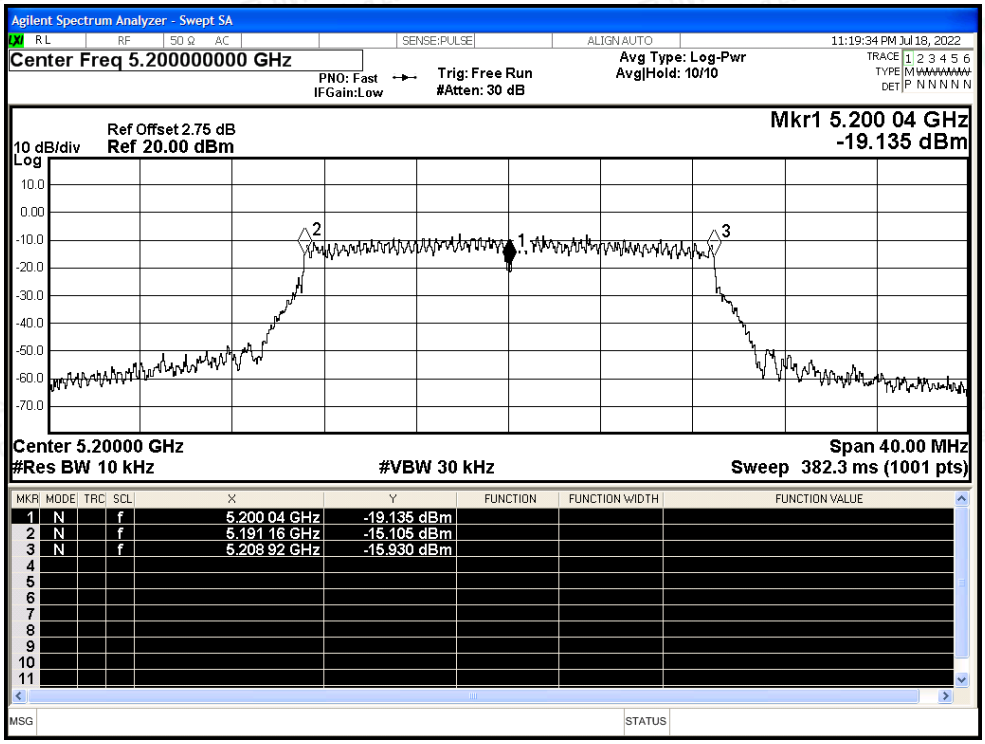
Freq. Stability NVNT a 5240MHz Ant1



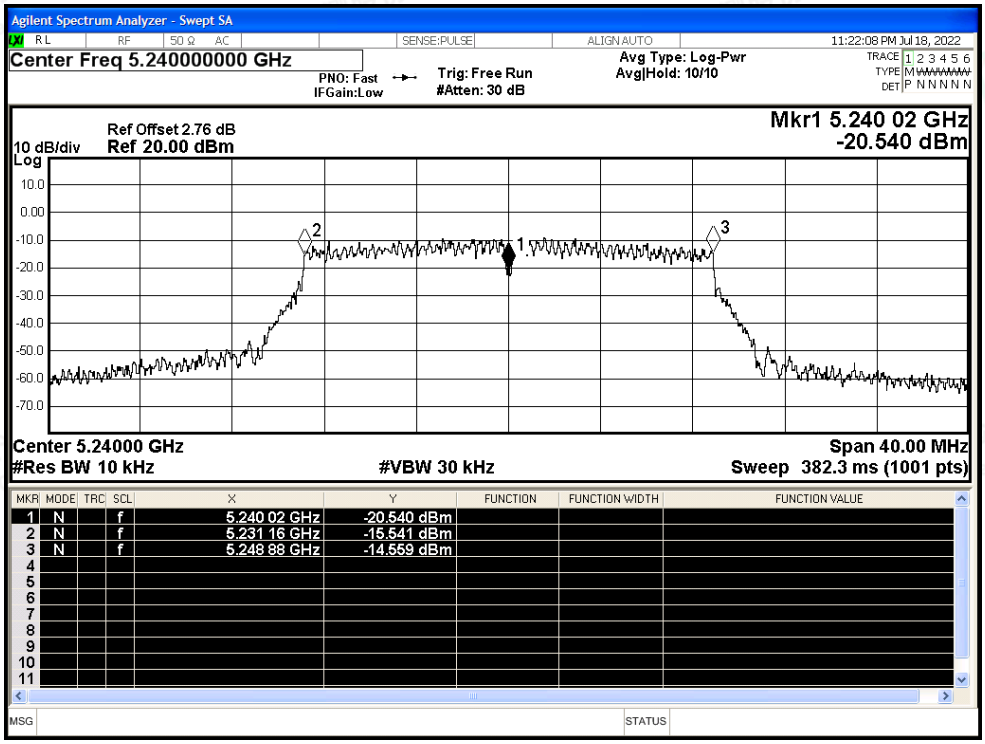
Freq. Stability NVNT n20 5180MHz Ant1



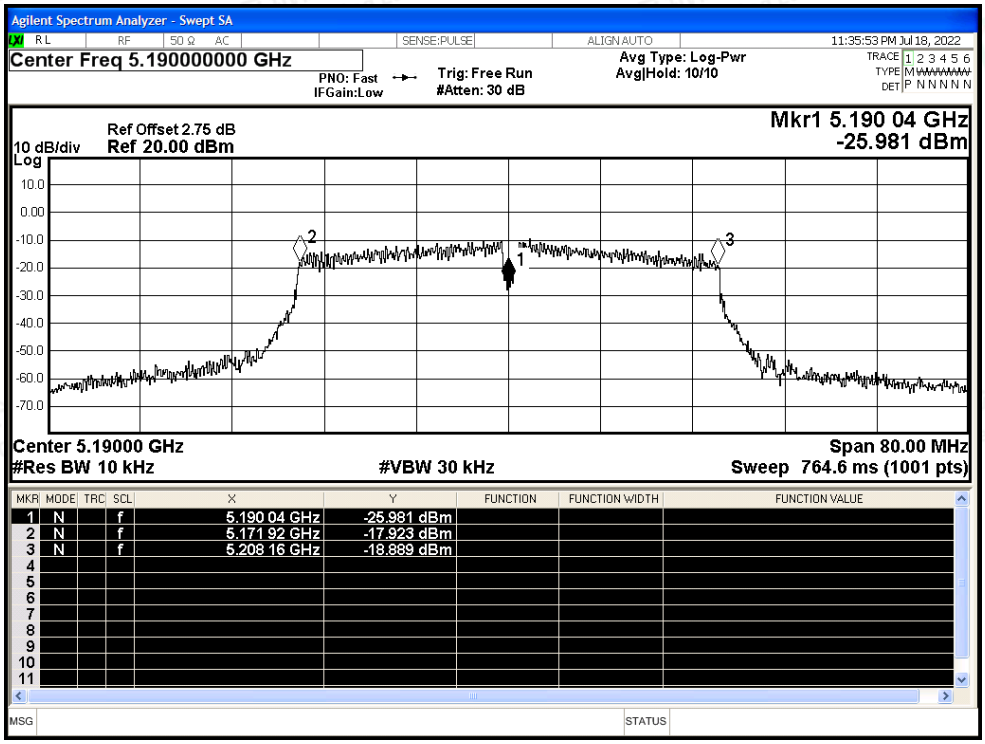
Freq. Stability NVNT n20 5200MHz Ant1



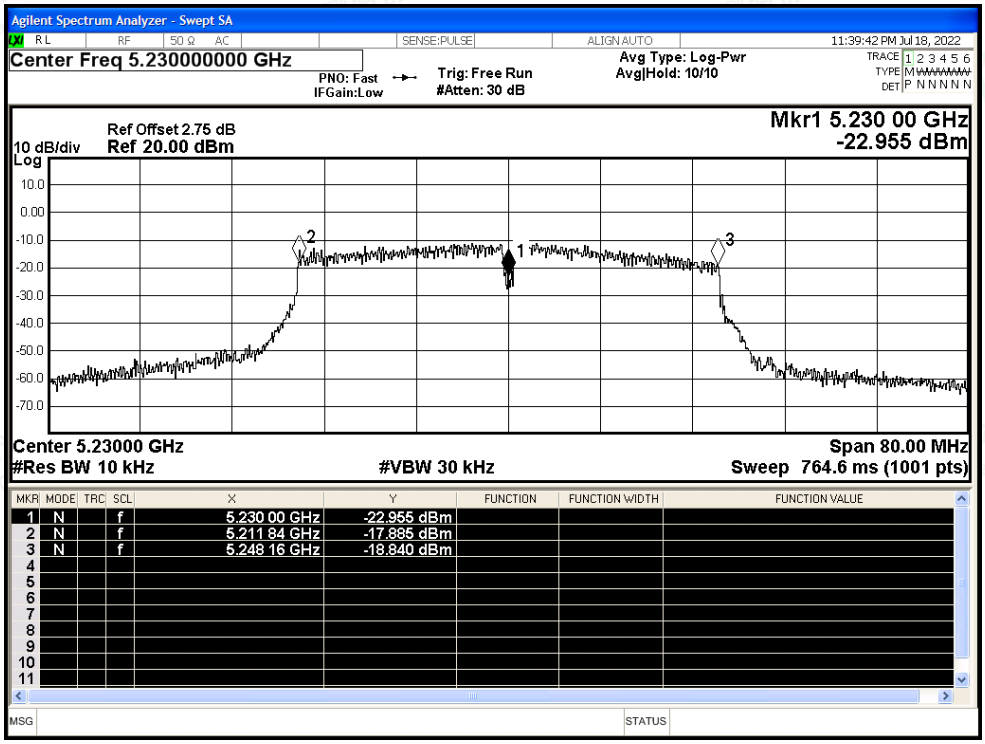
Freq. Stability NVNT n20 5240MHz Ant1



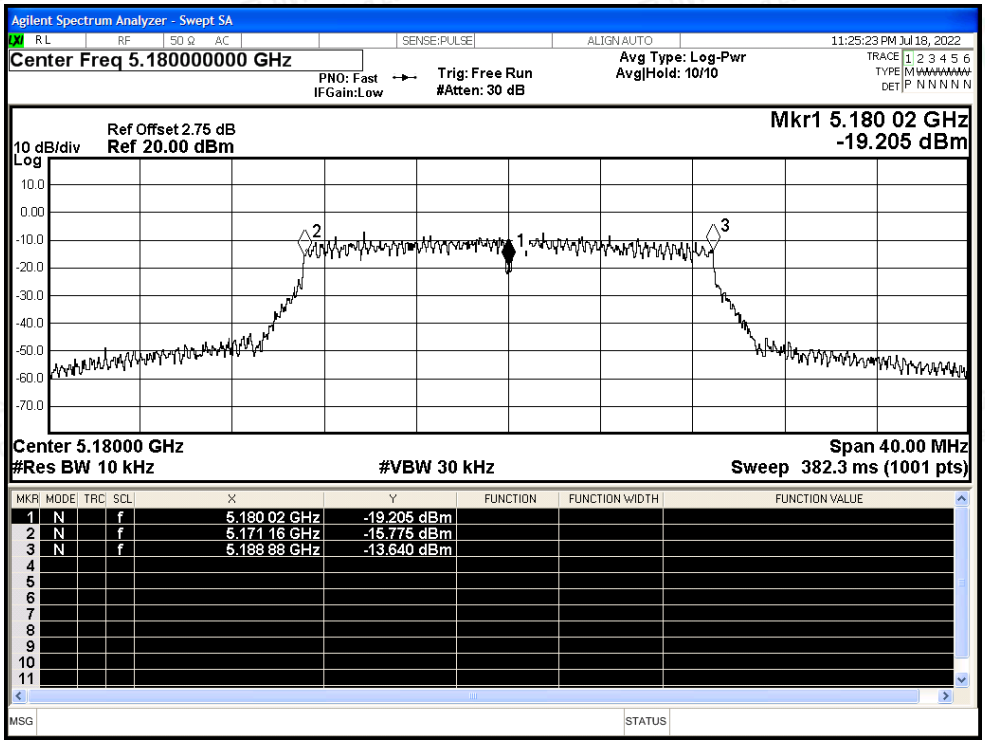
Freq. Stability NVNT n40 5190MHz Ant1



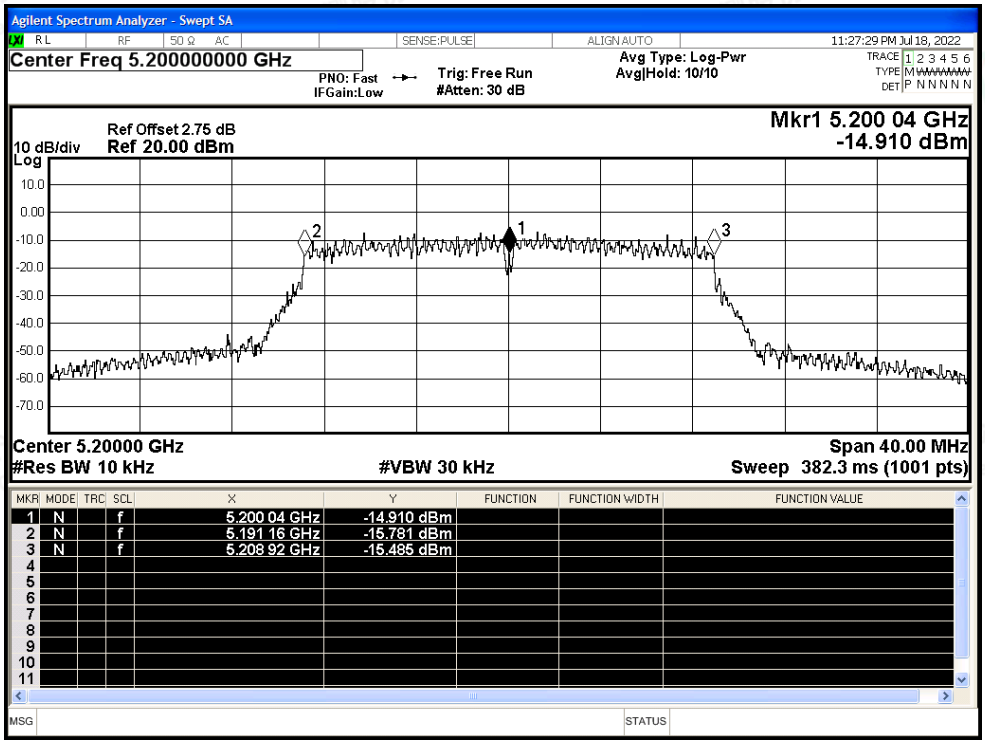
Freq. Stability NVNT n40 5230MHz Ant1



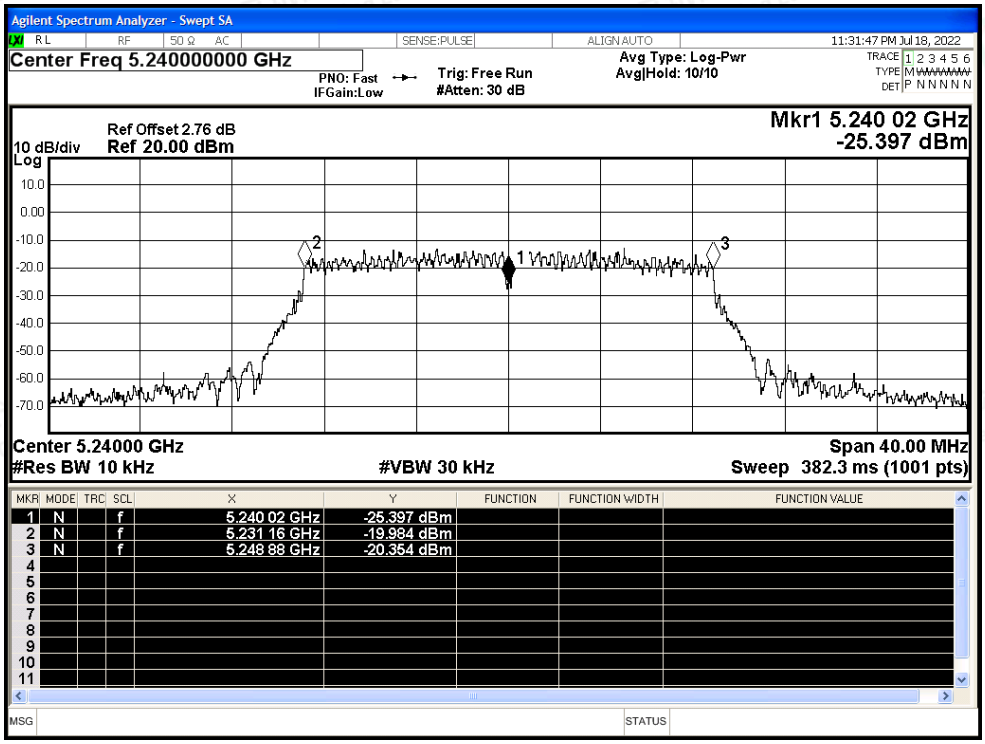
Freq. Stability NVNT ac20 5180MHz Ant1



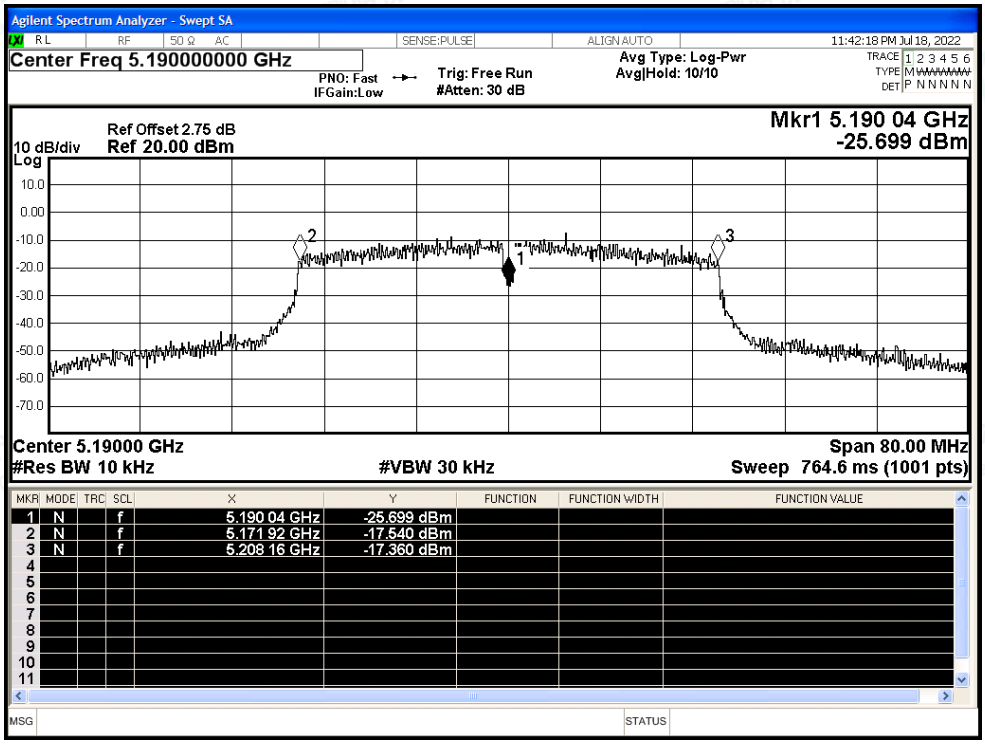
Freq. Stability NVNT ac20 5200MHz Ant1



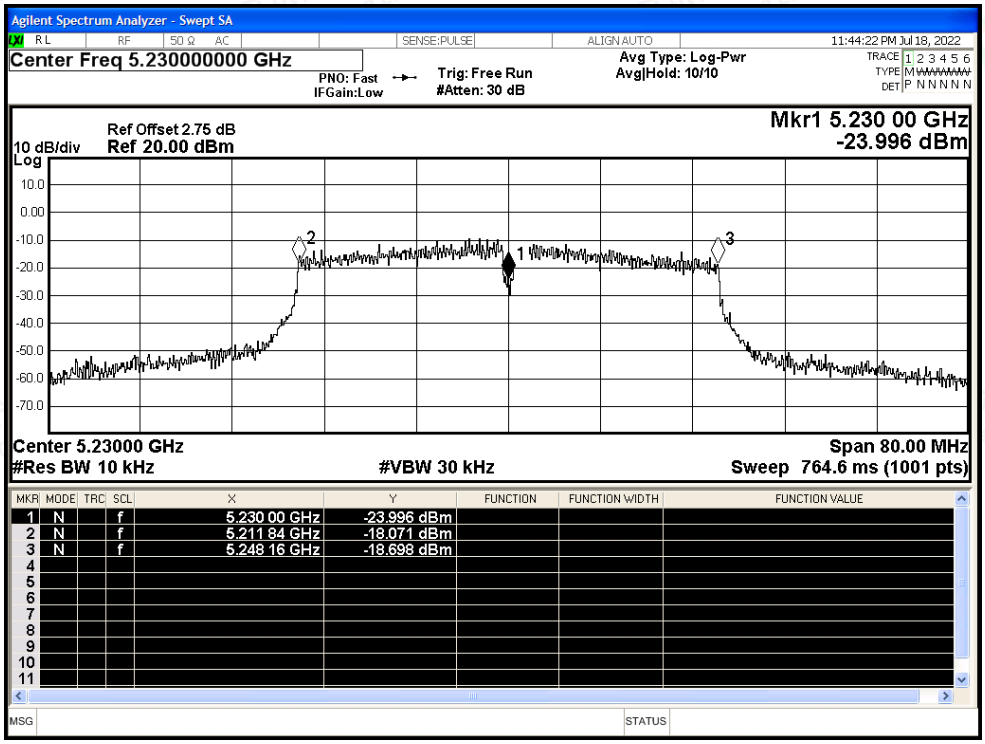
Freq. Stability NVNT ac20 5240MHz Ant1



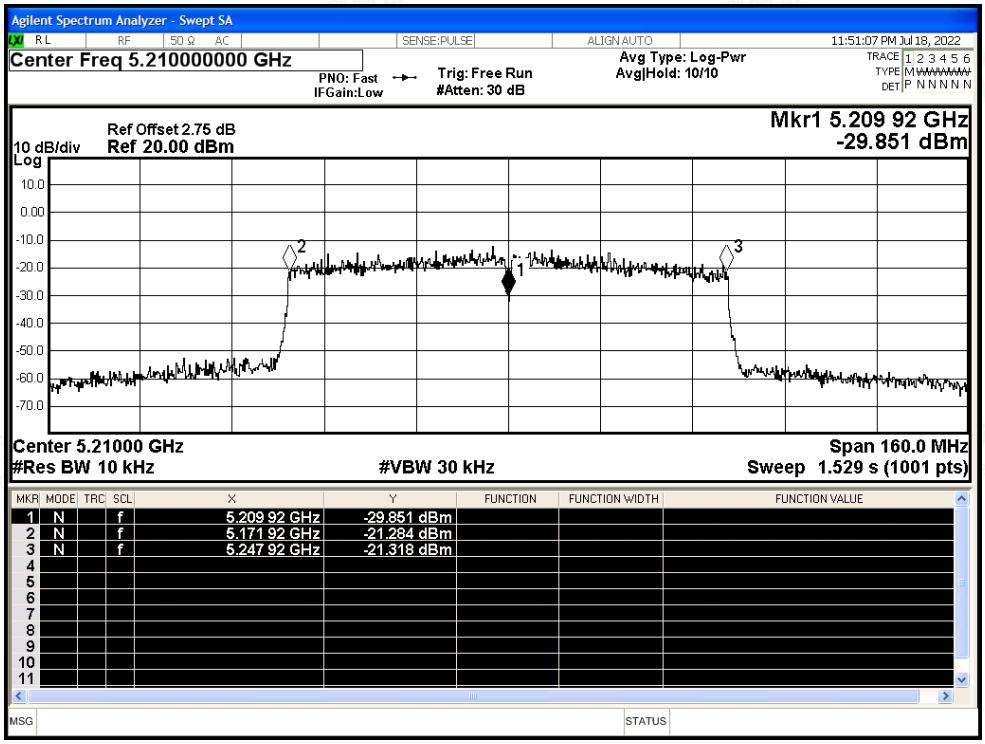
Freq. Stability NVNT ac40 5190MHz Ant1



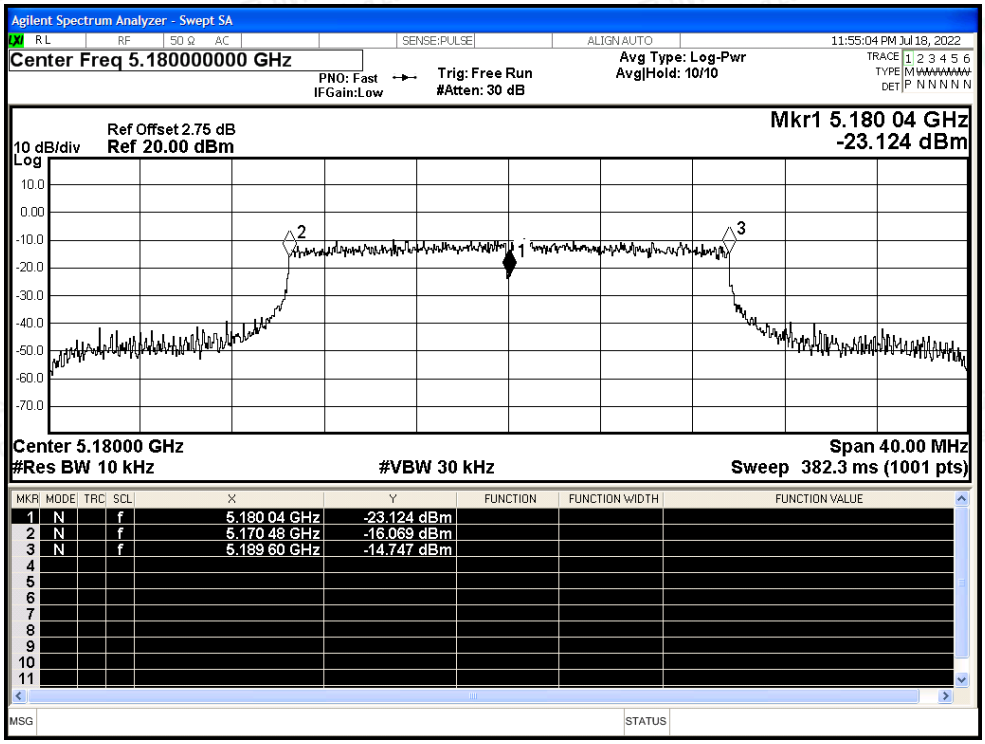
Freq. Stability NVNT ac40 5230MHz Ant1



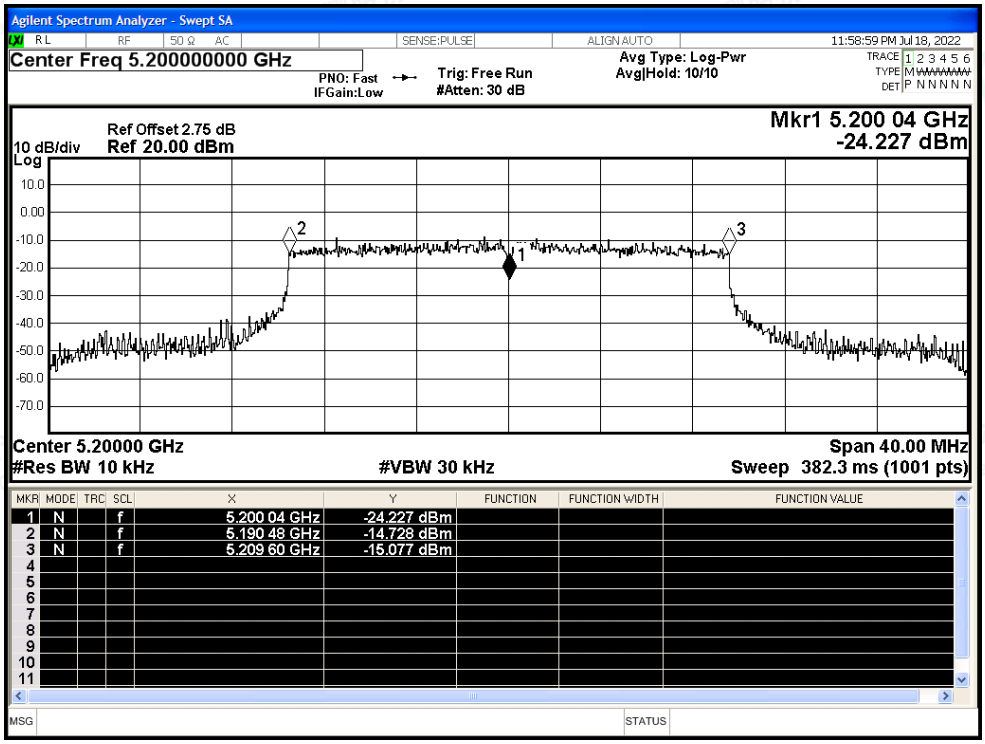
Freq. Stability NVNT ac80 5210MHz Ant1



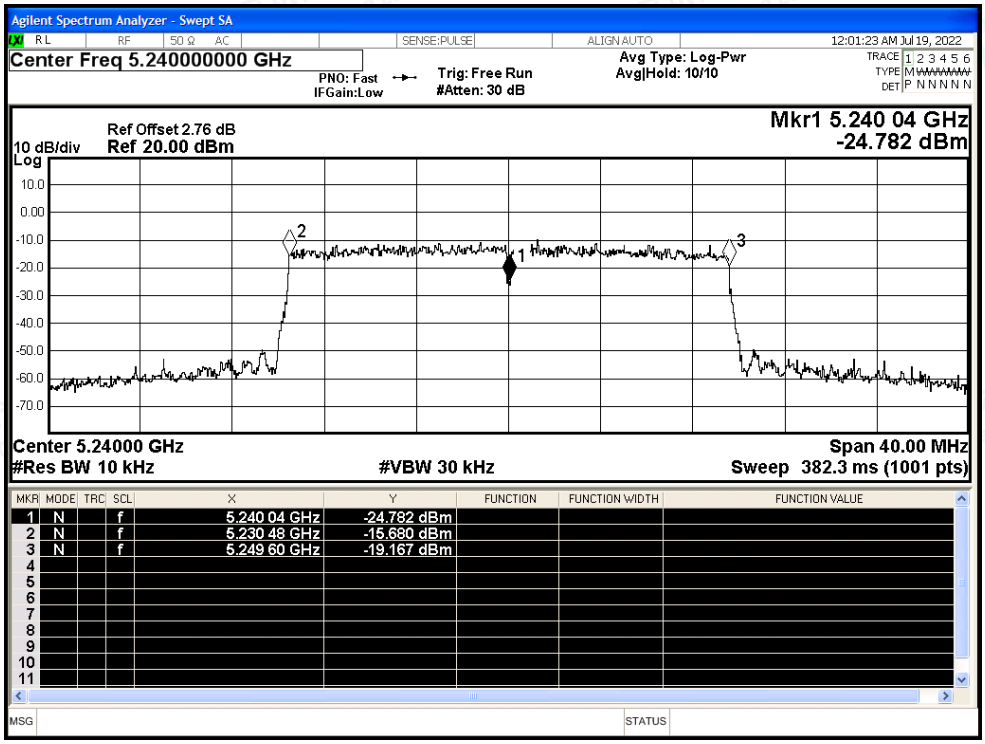
Freq. Stability NVNT ax20 5180MHz Ant1



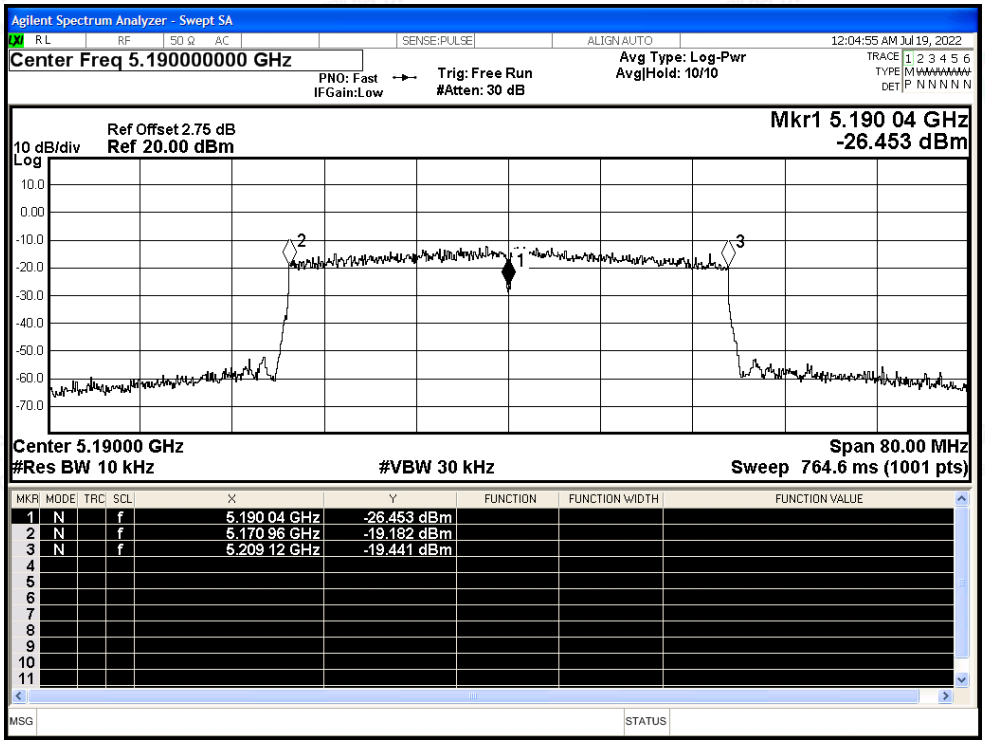
Freq. Stability NVNT ax20 5200MHz Ant1



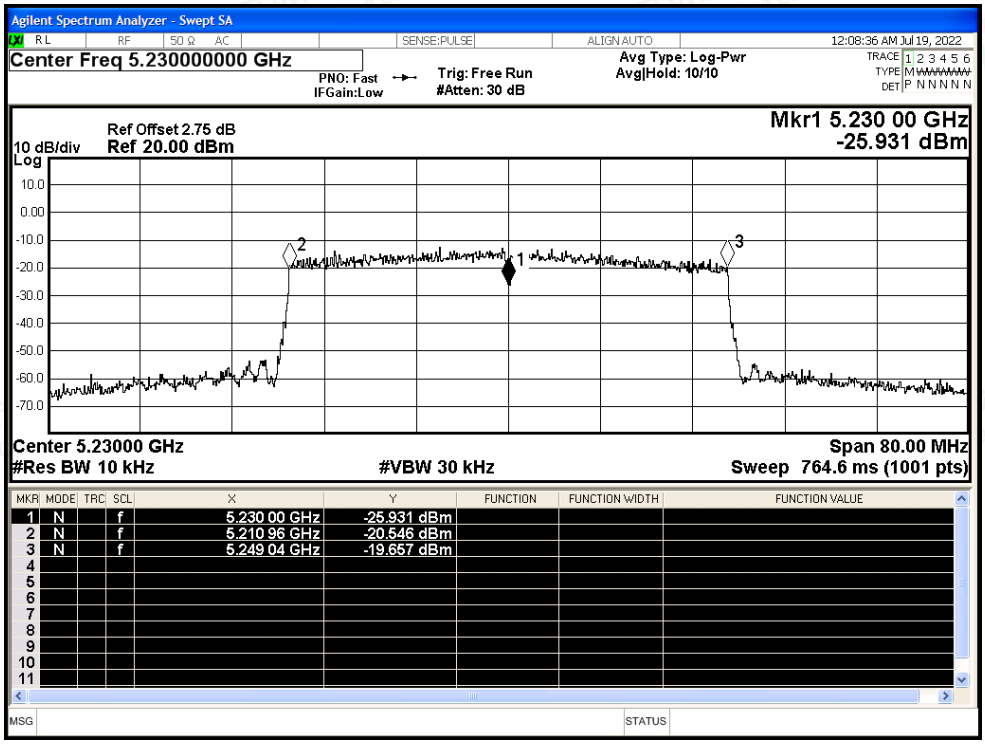
Freq. Stability NVNT ax20 5240MHz Ant1



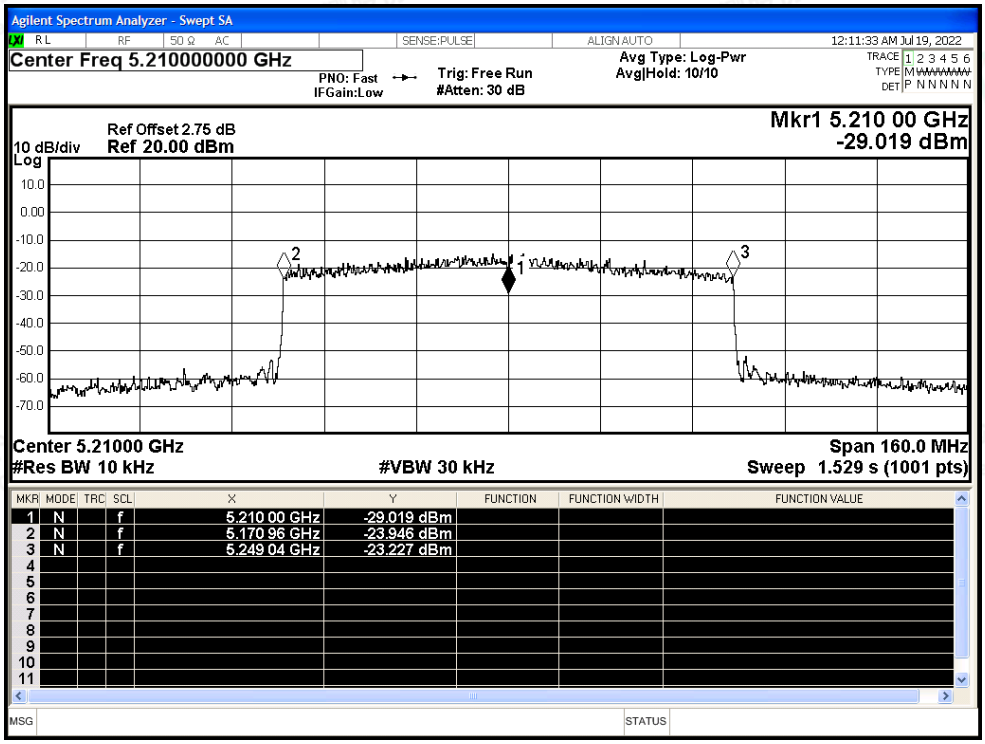
Freq. Stability NVNT ax40 5190MHz Ant1



Freq. Stability NVNT ax40 5230MHz Ant1



Freq. Stability NVNT ax80 5210MHz Ant1

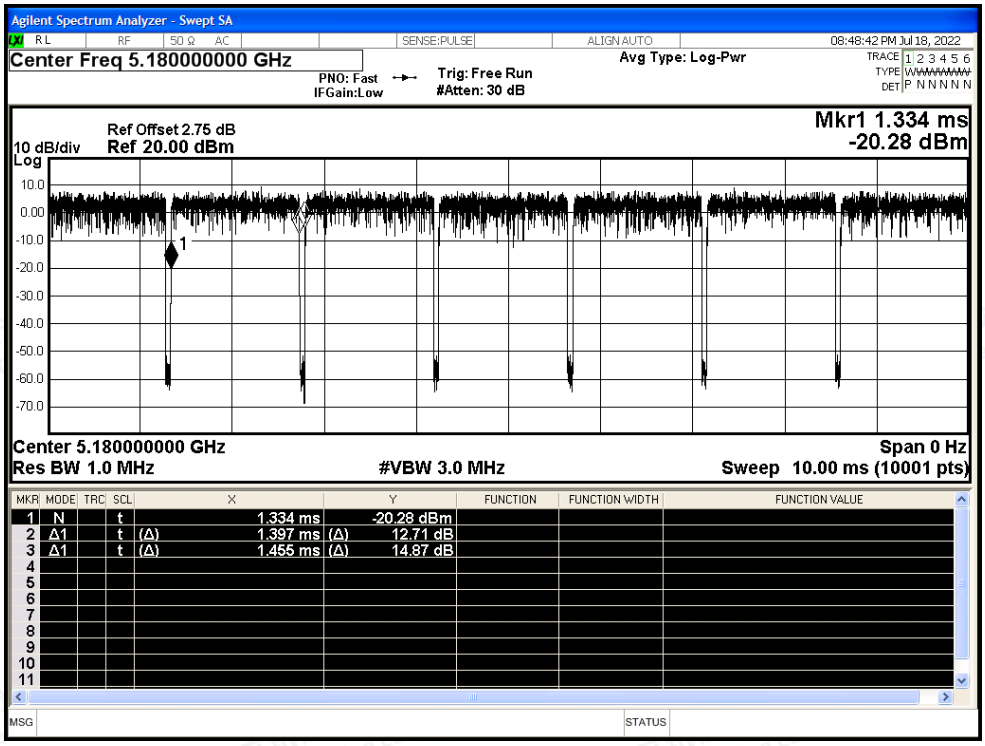


B.7 Duty Cycle

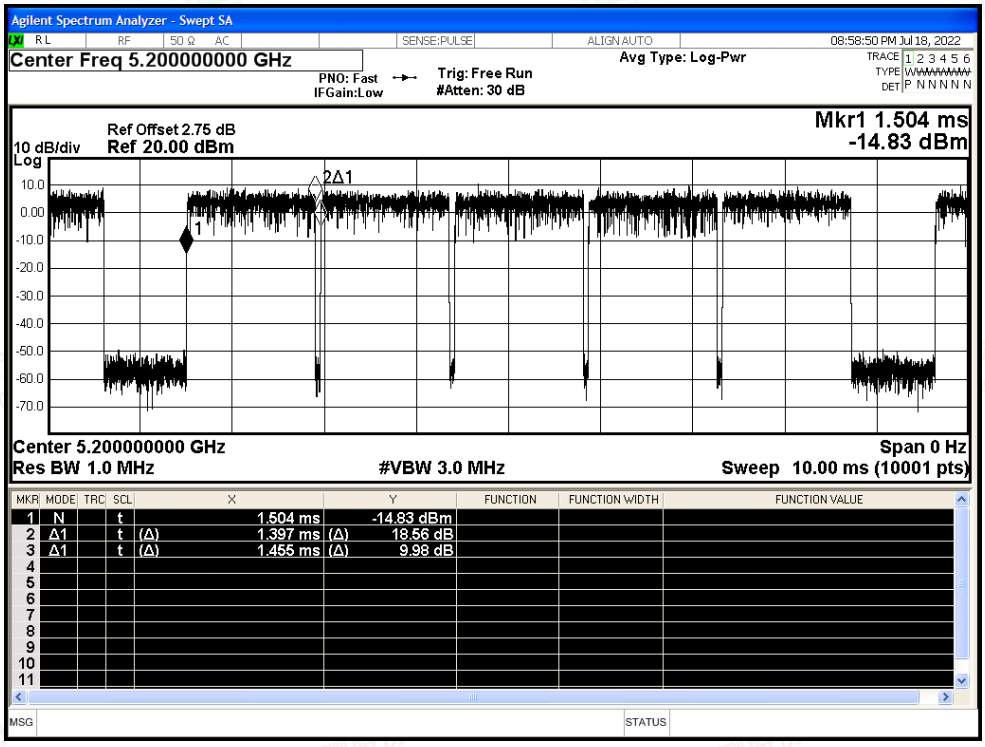
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant0	96.01	0.18	0.72
NVNT	a	5200	Ant0	96.01	0.18	0.72
NVNT	a	5240	Ant0	96.01	0.18	0.72
NVNT	n20	5180	Ant0	95.72	0.19	0.77
NVNT	n20	5200	Ant0	95.7	0.19	0.77
NVNT	n20	5240	Ant0	95.79	0.19	0.77
NVNT	n40	5190	Ant0	86.83	0.61	2.81
NVNT	n40	5230	Ant0	86.59	0.63	2.82
NVNT	ac20	5180	Ant0	92.18	0.35	1.46
NVNT	ac20	5200	Ant0	92.32	0.35	1.46
NVNT	ac20	5240	Ant0	92.32	0.35	1.46
NVNT	ac40	5190	Ant0	86.59	0.63	2.82
NVNT	ac40	5230	Ant0	86.83	0.61	2.81
NVNT	ac80	5210	Ant0	84.24	0.74	3.4
NVNT	ax20	5180	Ant0	90.48	0.43	1.85
NVNT	ax20	5200	Ant0	90.48	0.43	1.85
NVNT	ax20	5240	Ant0	90.48	0.43	1.85
NVNT	ax40	5190	Ant0	84.92	0.71	3.29
NVNT	ax40	5230	Ant0	81.82	0.87	111.11
NVNT	ax80	5210	Ant0	34.04	4.68	5.65

Test Graphs

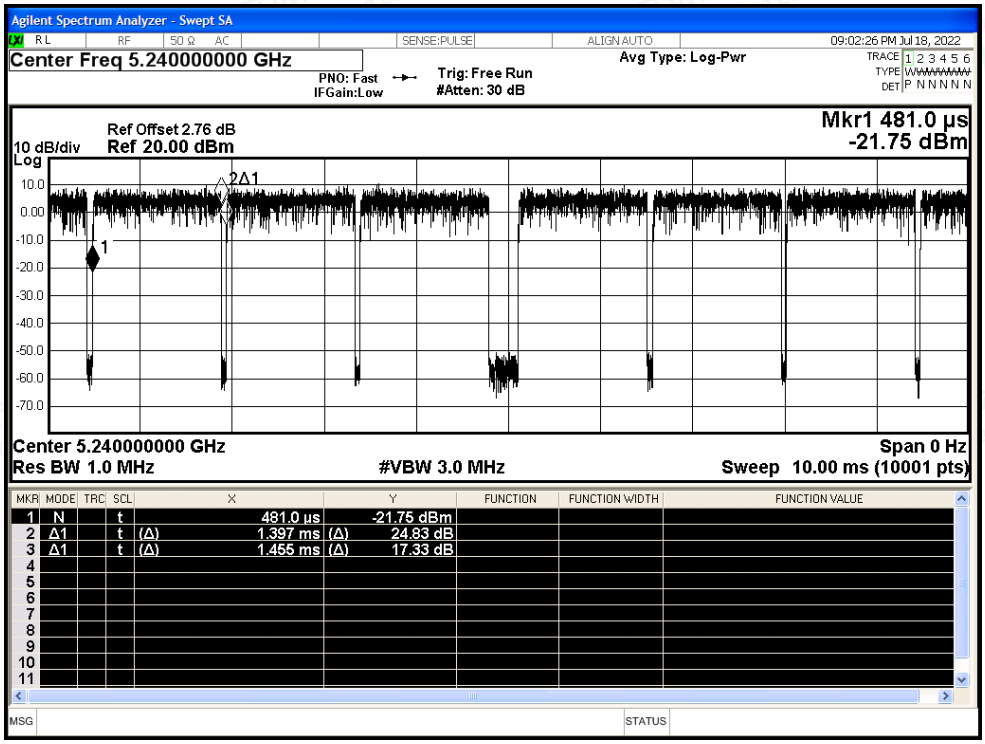
Duty Cycle NVNT a 5180MHz Ant0



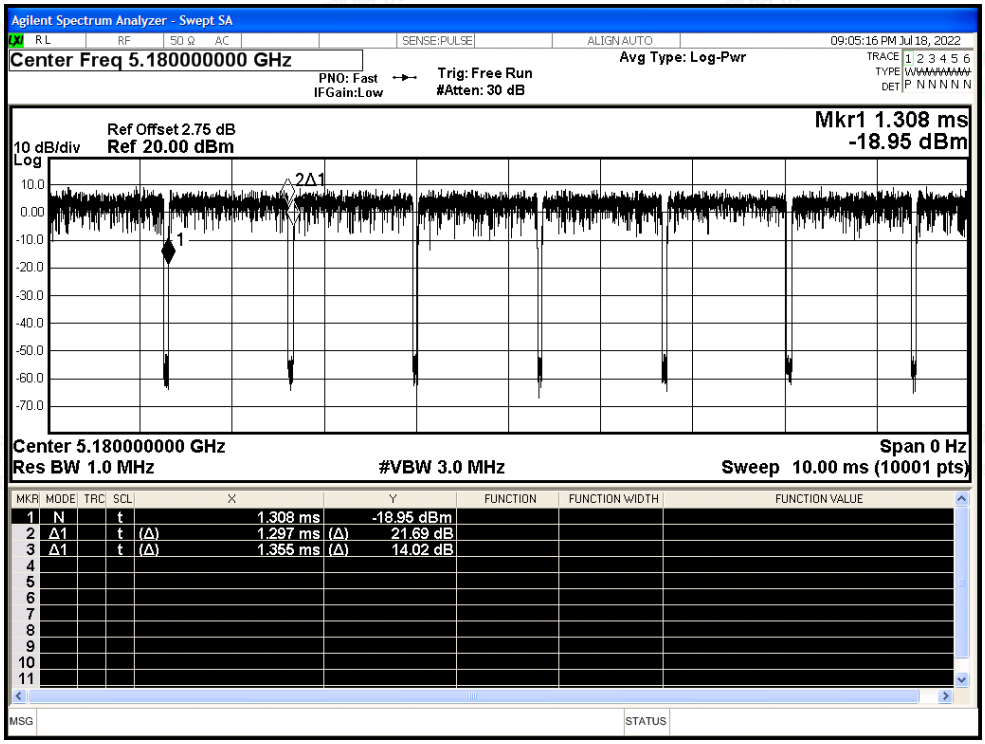
Duty Cycle NVNT a 5200MHz Ant0



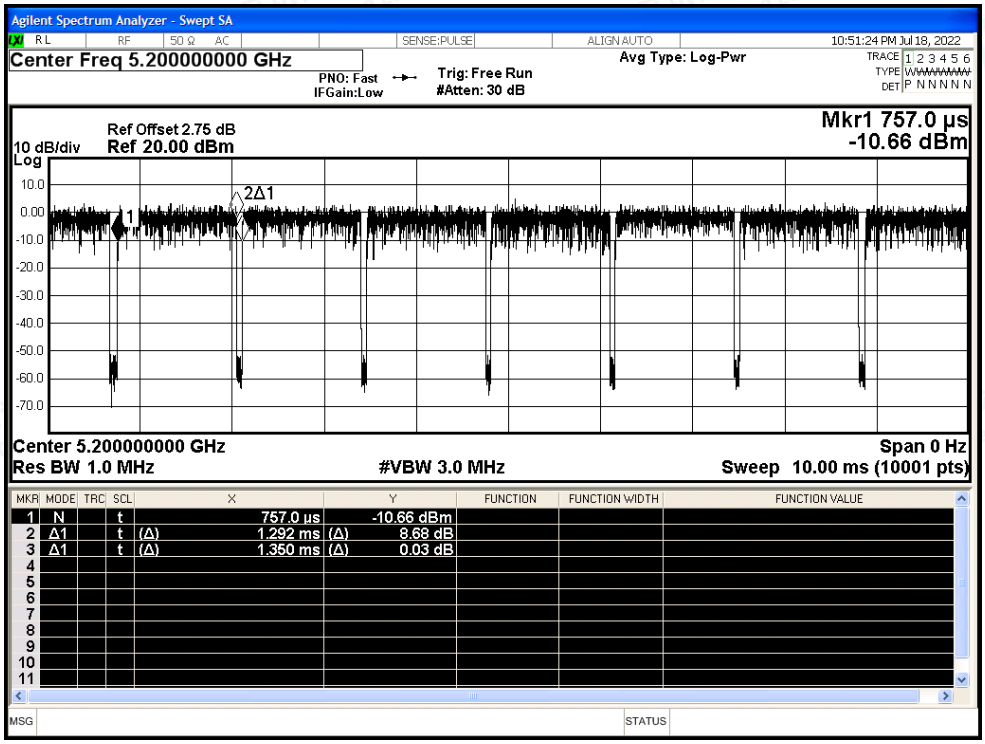
Duty Cycle NVNT a 5240MHz Ant0



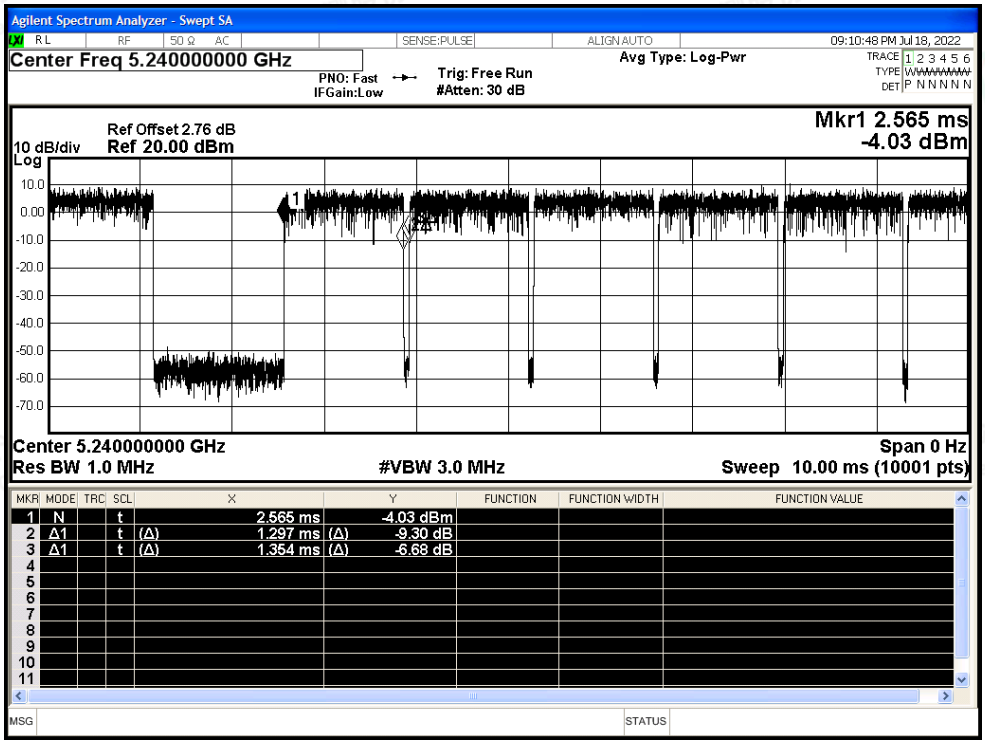
Duty Cycle NVNT n20 5180MHz Ant0



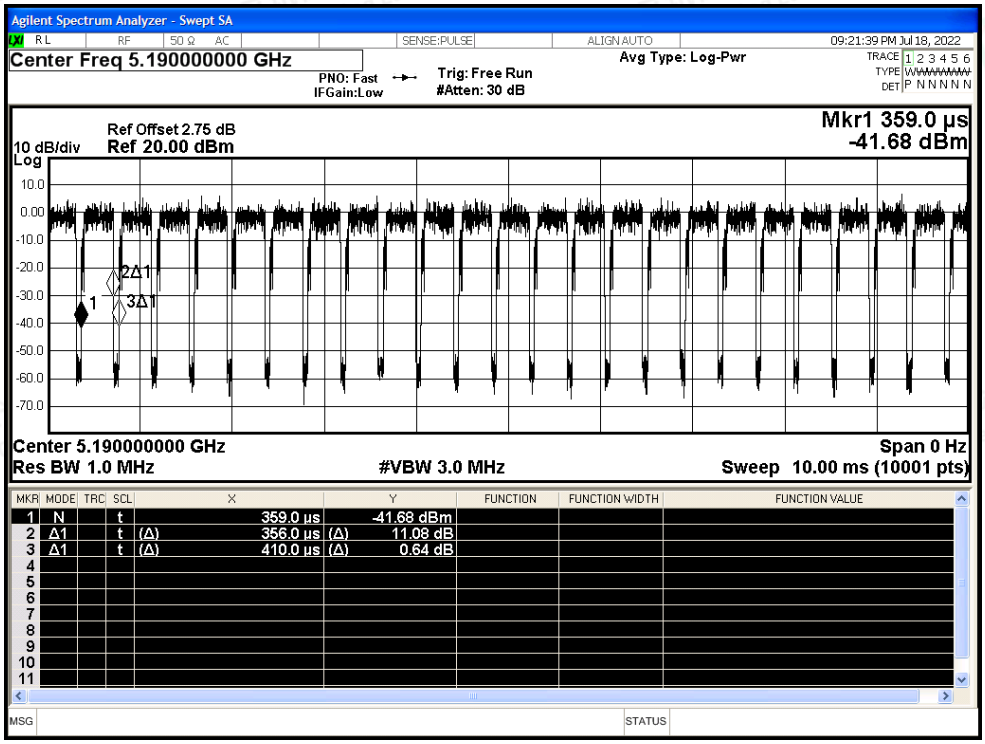
Duty Cycle NVNT n20 5200MHz Ant0



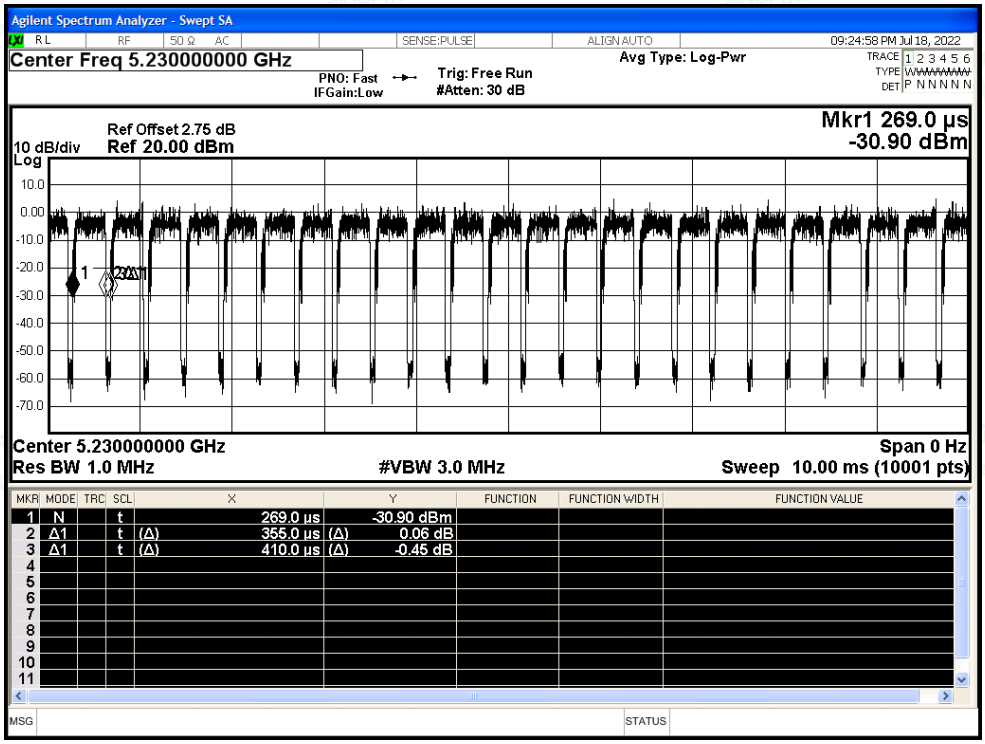
Duty Cycle NVNT n20 5240MHz Ant0



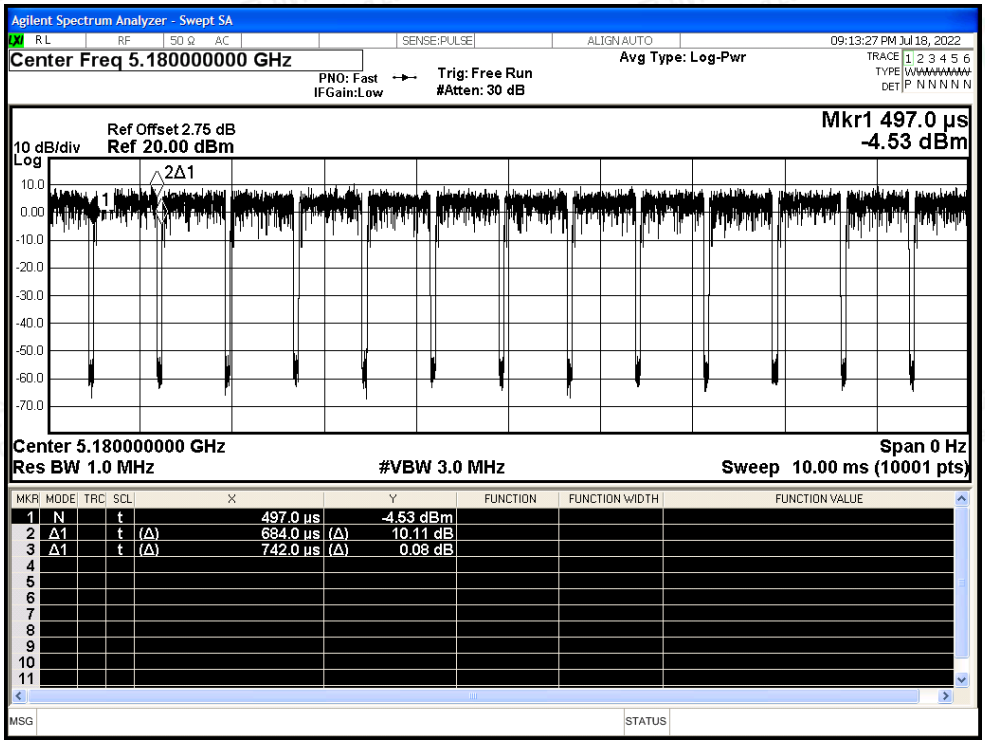
Duty Cycle NVNT n40 5190MHz Ant0



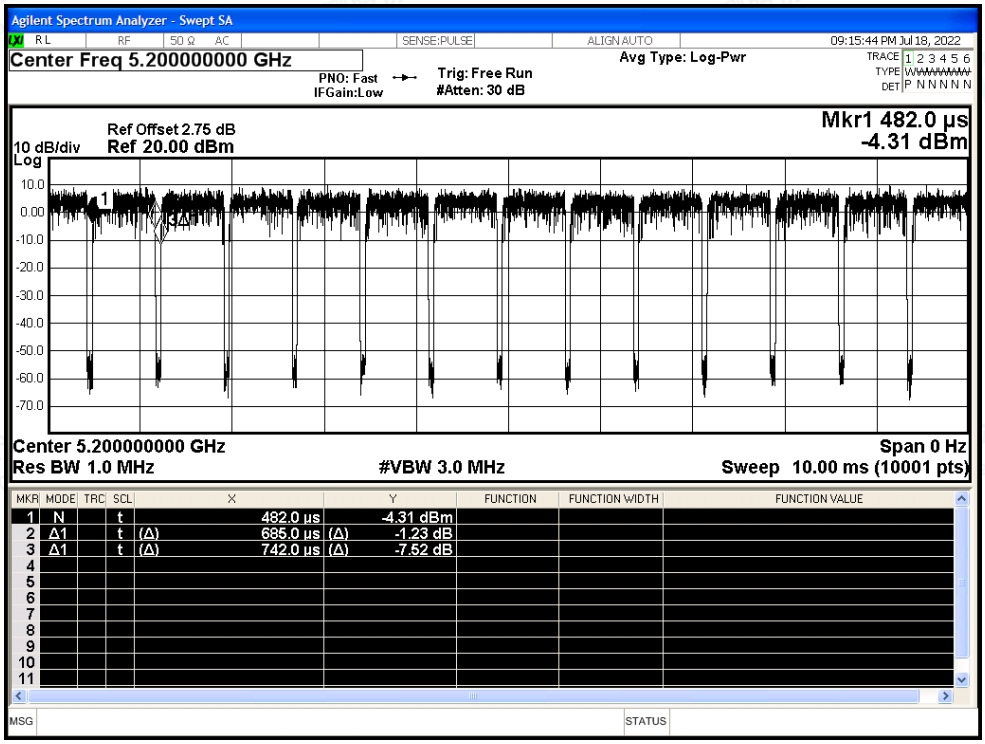
Duty Cycle NVNT n40 5230MHz Ant0



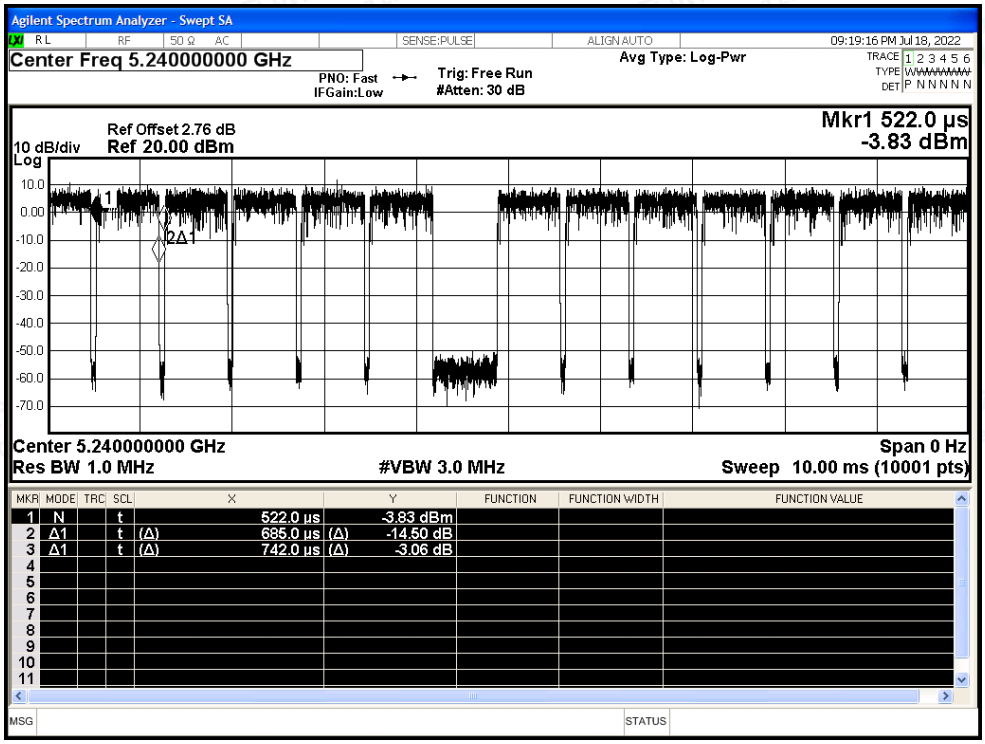
Duty Cycle NVNT ac20 5180MHz Ant0



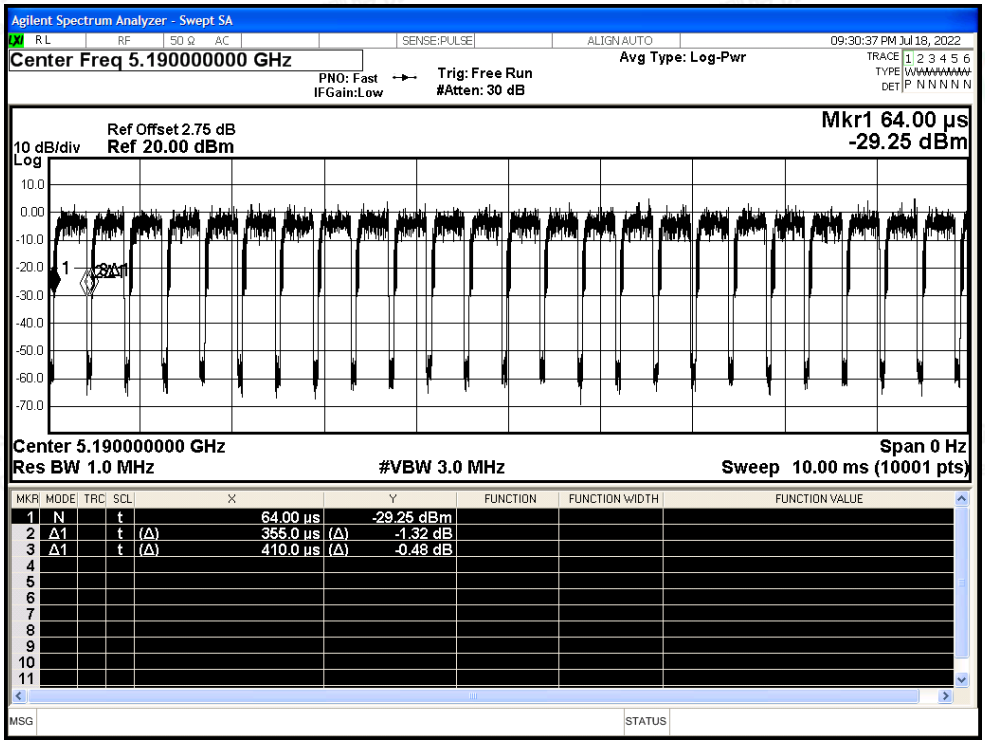
Duty Cycle NVNT ac20 5200MHz Ant0



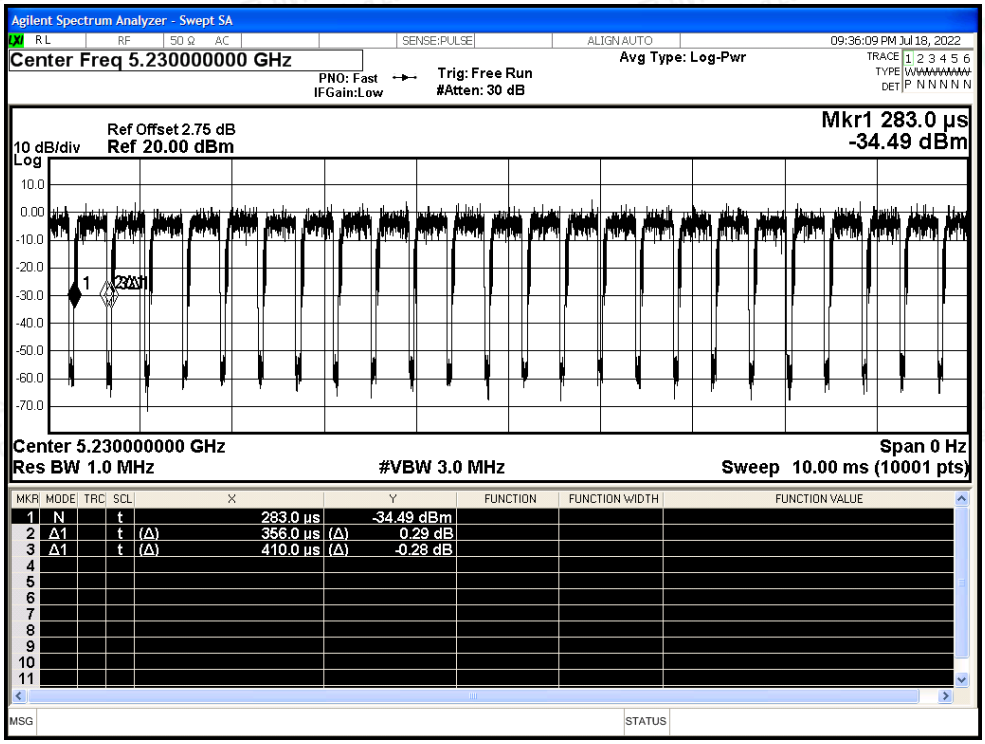
Duty Cycle NVNT ac20 5240MHz Ant0



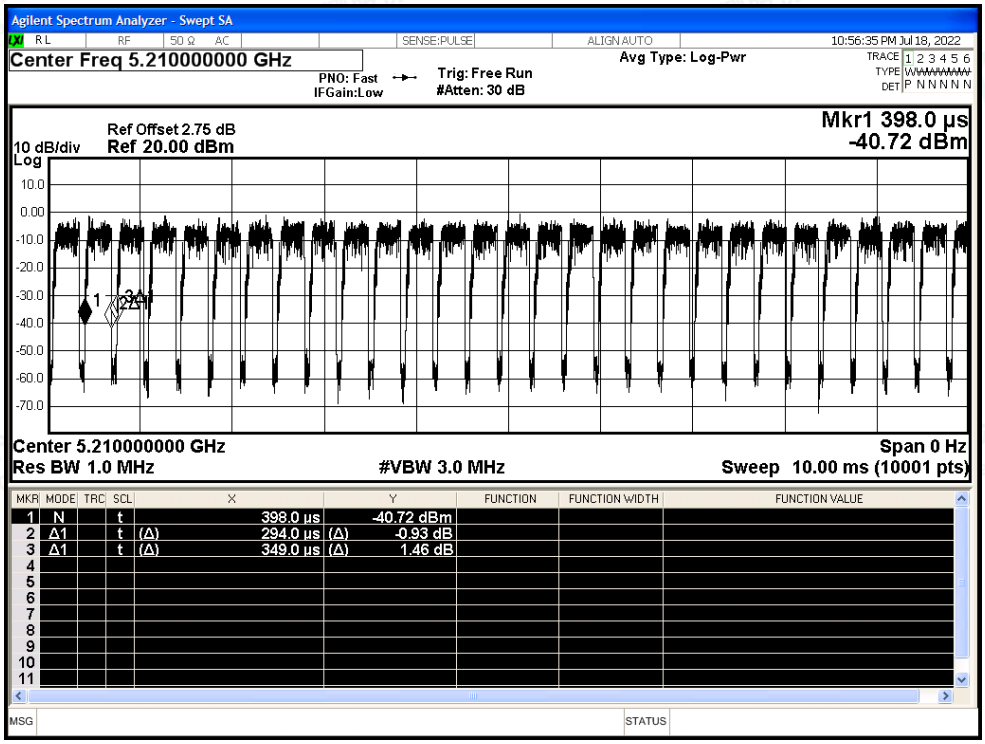
Duty Cycle NVNT ac40 5190MHz Ant0



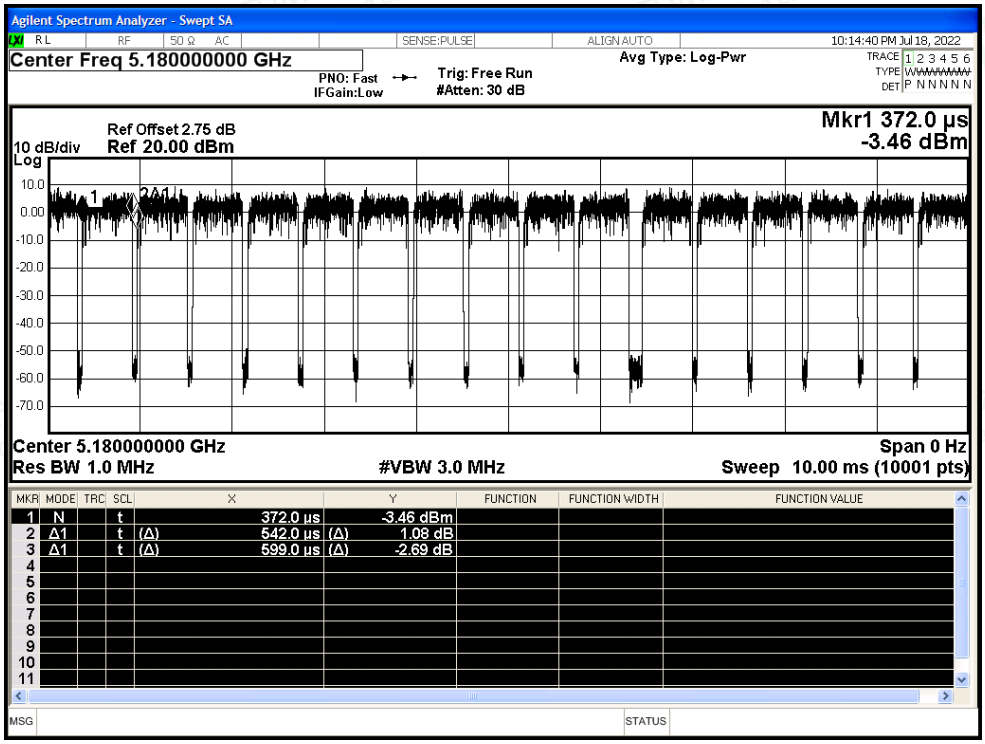
Duty Cycle NVNT ac40 5230MHz Ant0



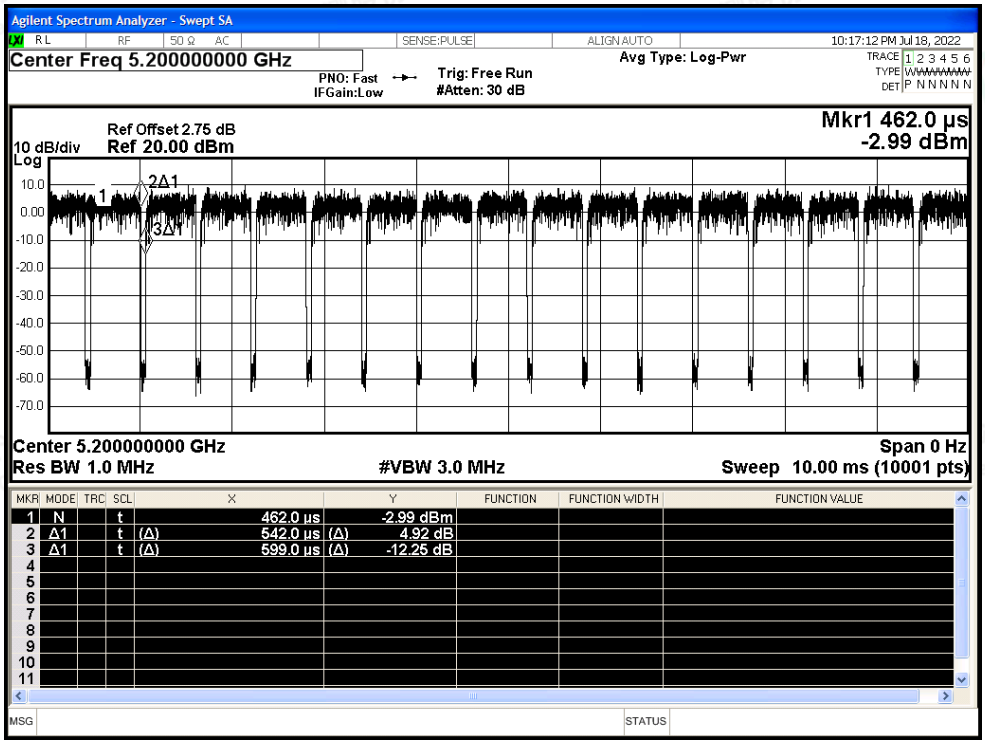
Duty Cycle NVNT ac80 5210MHz Ant0



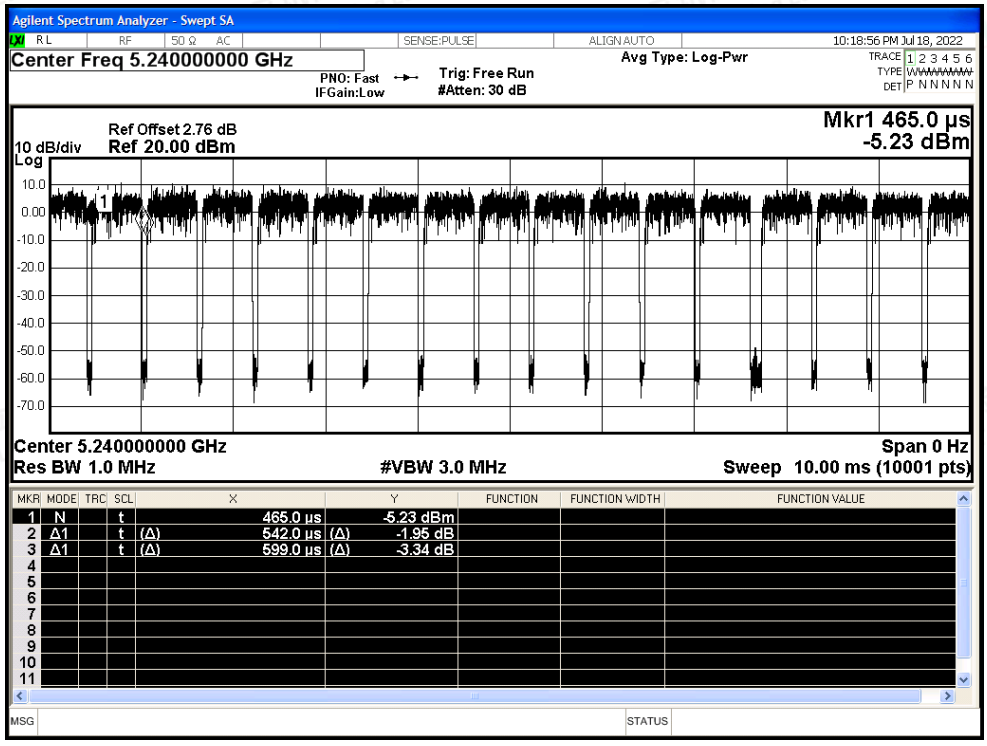
Duty Cycle NVNT ax20 5180MHz Ant0



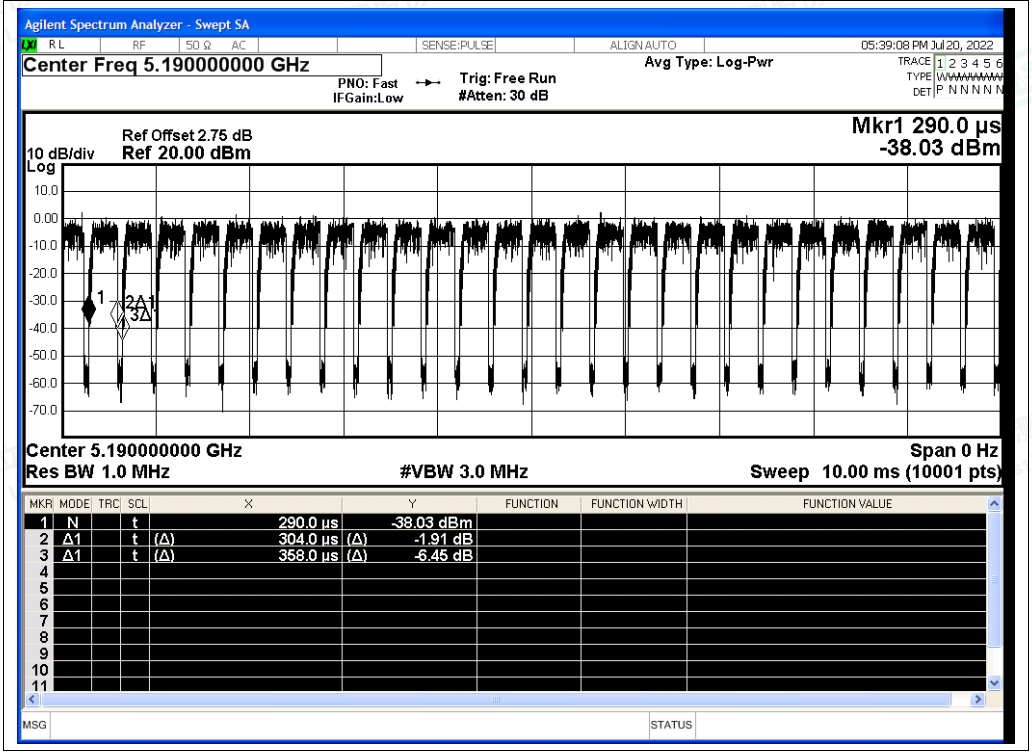
Duty Cycle NVNT ax20 5200MHz Ant0



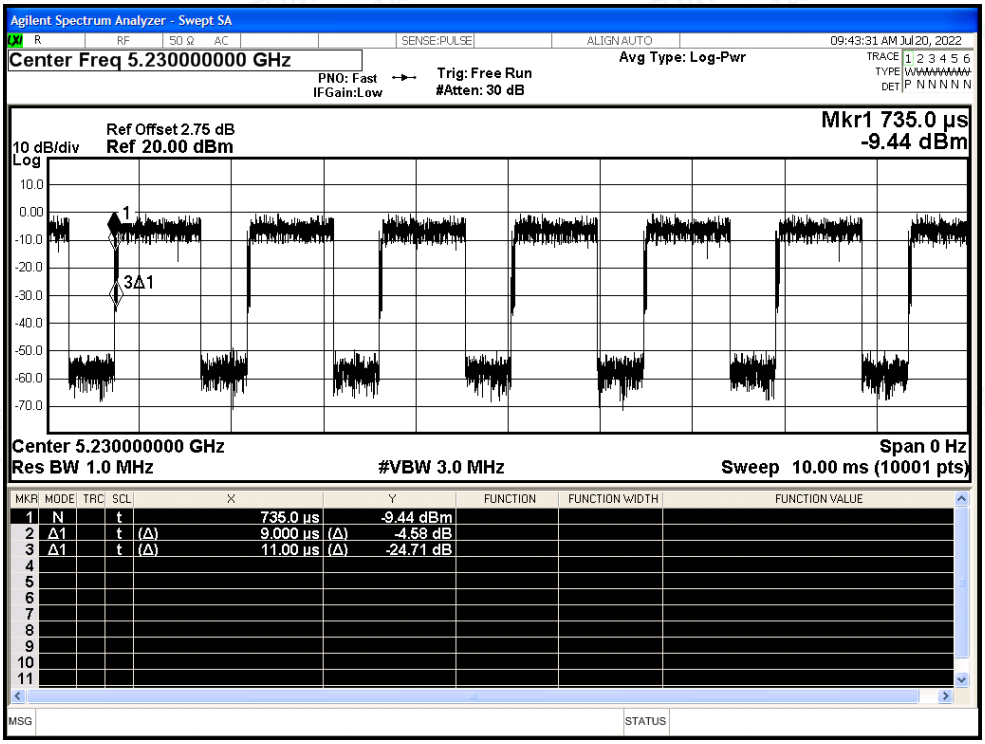
Duty Cycle NVNT ax20 5240MHz Ant0



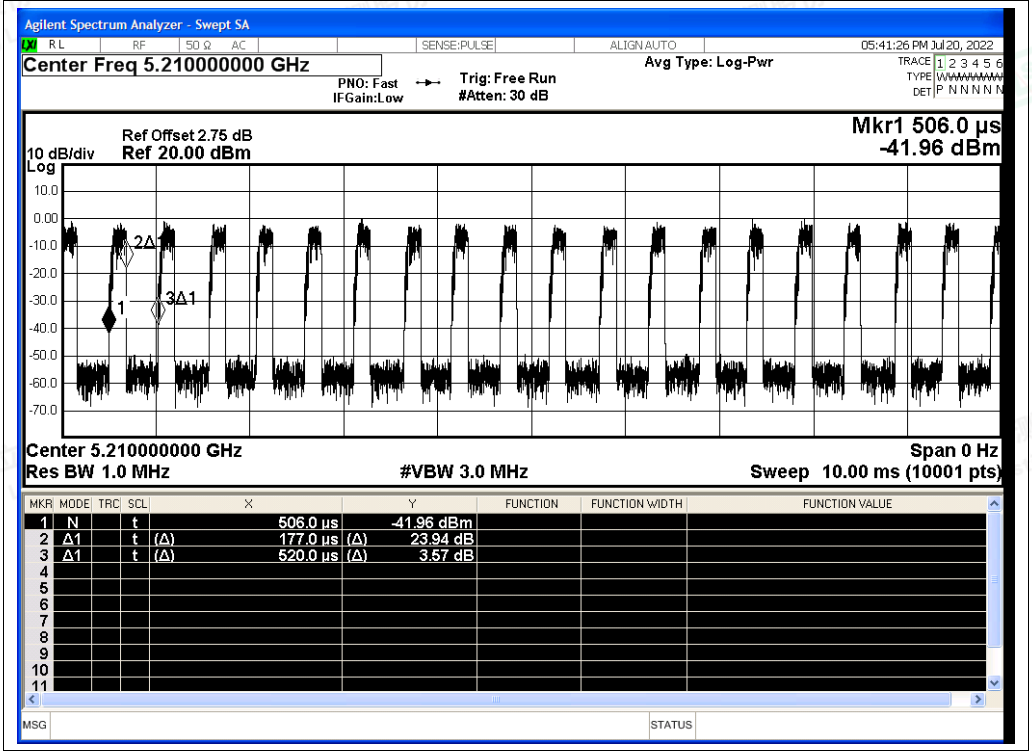
Duty Cycle NVNT ax40 5190MHz Ant0



Duty Cycle NVNT ax40 5230MHz Ant0



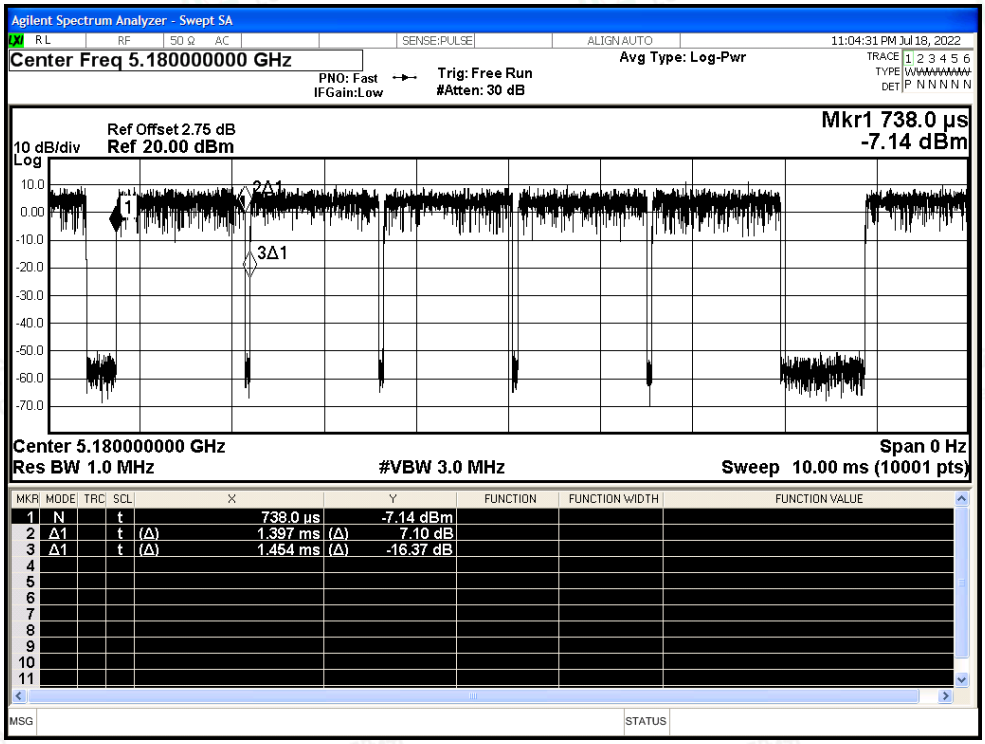
Duty Cycle NVNT ax80 5210MHz Ant0



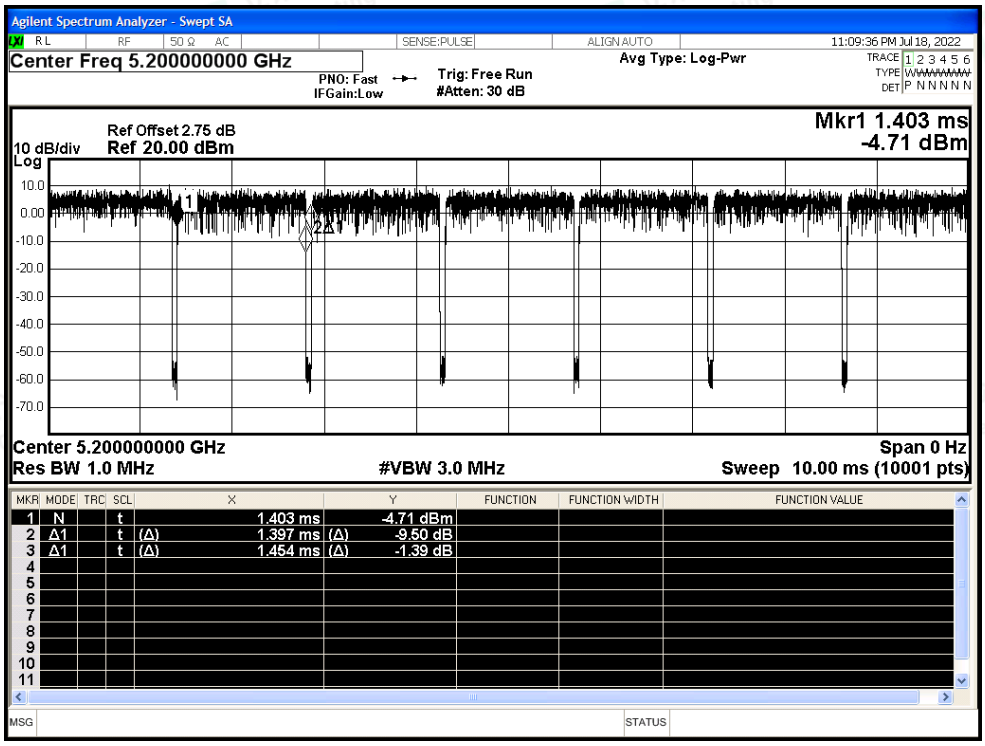
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	96.08	0.17	0.72
NVNT	a	5200	Ant1	96.08	0.17	0.72
NVNT	a	5240	Ant1	96.01	0.18	0.72
NVNT	n20	5180	Ant1	95.71	0.19	0.77
NVNT	n20	5200	Ant1	95.7	0.19	0.77
NVNT	n20	5240	Ant1	93.62	0.29	0.77
NVNT	n40	5190	Ant1	65.47	1.84	1.56
NVNT	n40	5230	Ant1	92.07	0.36	1.56
NVNT	ac20	5180	Ant1	92.32	0.35	1.46
NVNT	ac20	5200	Ant1	92.19	0.35	1.46
NVNT	ac20	5240	Ant1	92.19	0.35	1.46
NVNT	ac40	5190	Ant1	86.83	0.61	2.81
NVNT	ac40	5230	Ant1	86.59	0.63	2.82
NVNT	ac80	5210	Ant1	33.22	4.79	5.29
NVNT	ax20	5180	Ant1	90.5	0.43	1.84
NVNT	ax20	5200	Ant1	90.5	0.43	1.84
NVNT	ax20	5240	Ant1	90.5	0.43	1.84
NVNT	ax40	5190	Ant1	84.12	0.75	3.31
NVNT	ax40	5230	Ant1	84.68	0.72	3.29
NVNT	ax80	5210	Ant1	32.71	4.85	5.68

Test Graphs

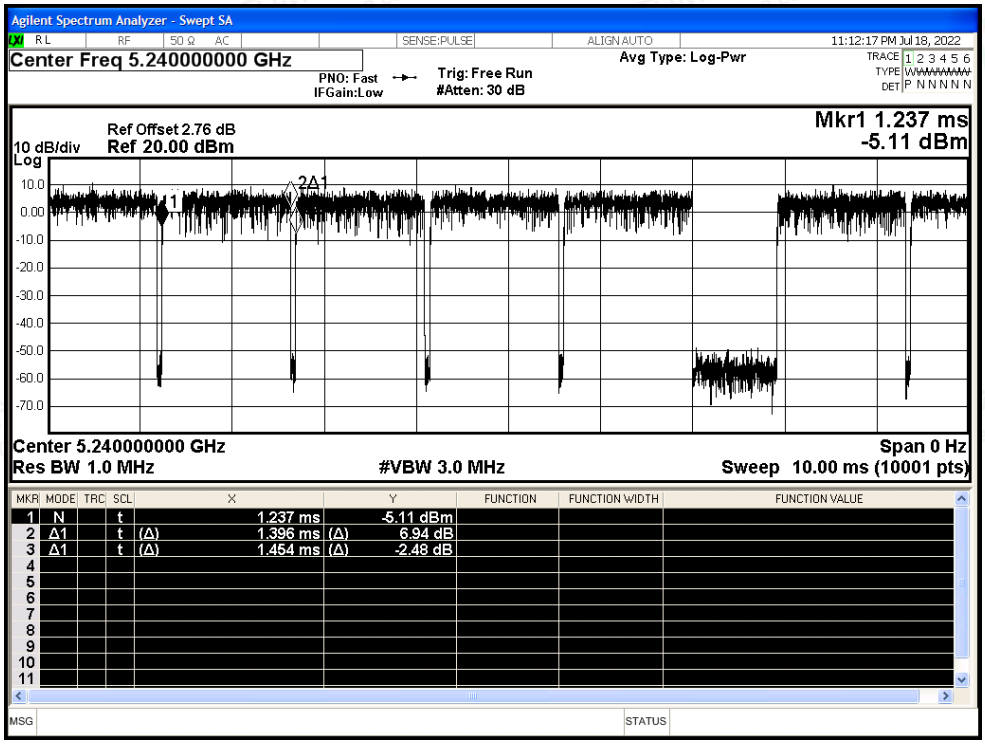
Duty Cycle NVNT a 5180MHz Ant1



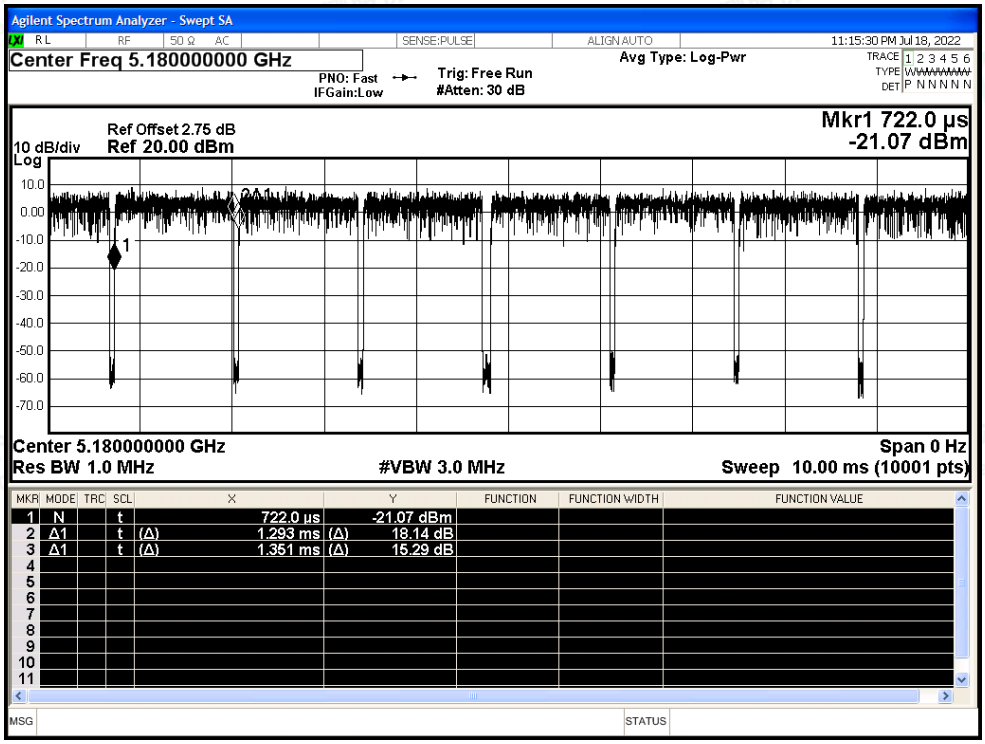
Duty Cycle NVNT a 5200MHz Ant1



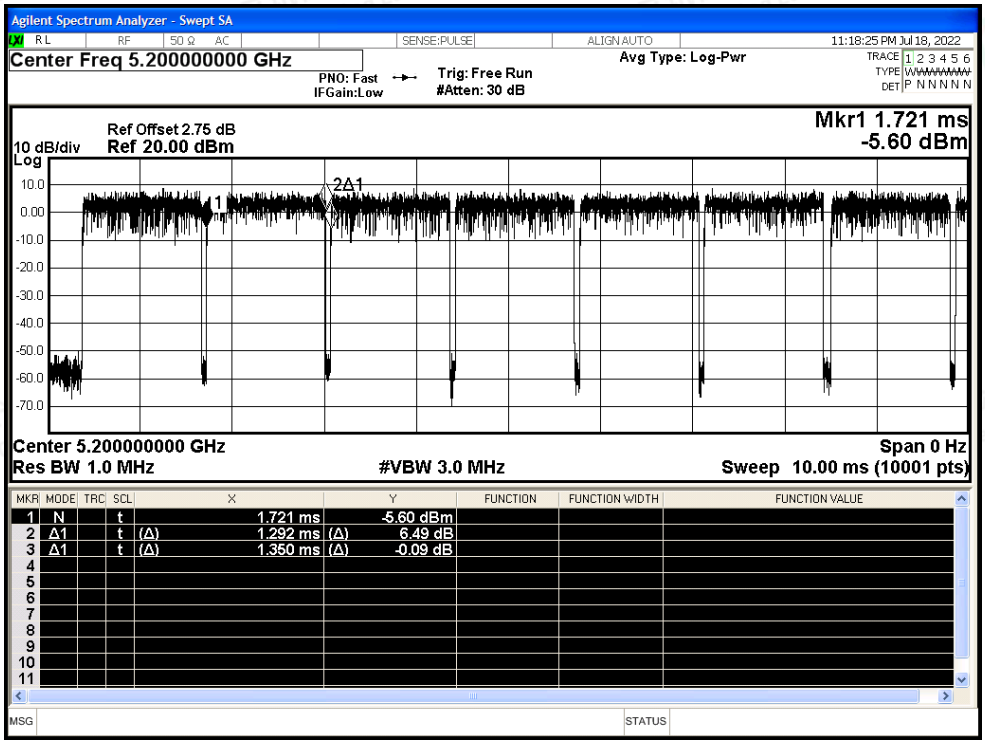
Duty Cycle NVNT a 5240MHz Ant1



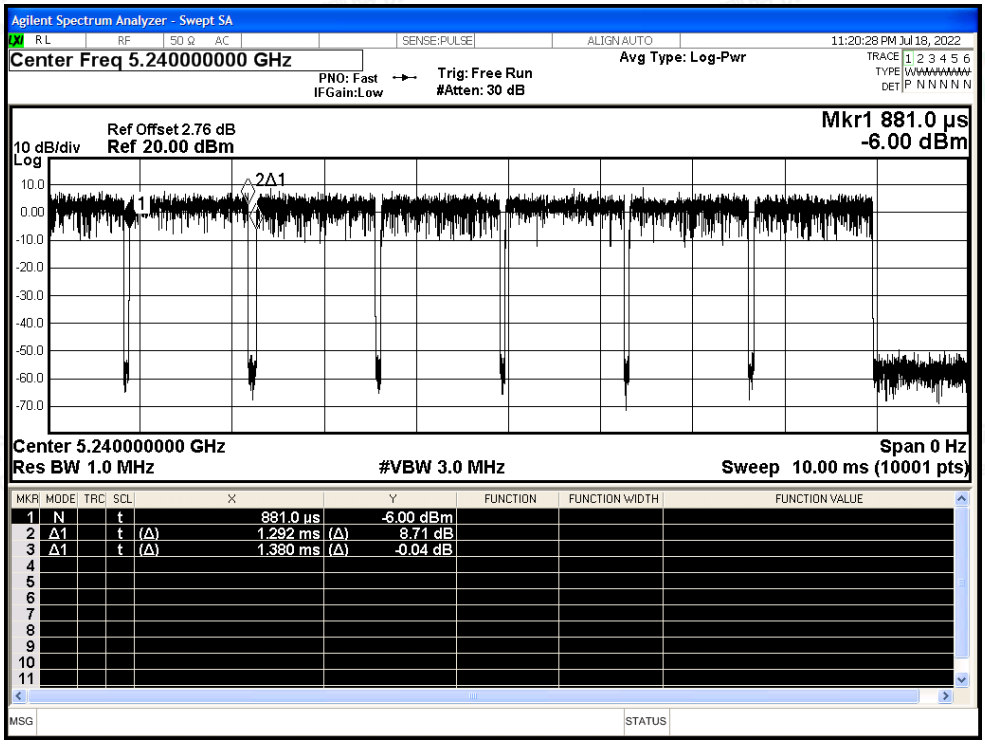
Duty Cycle NVNT n20 5180MHz Ant1



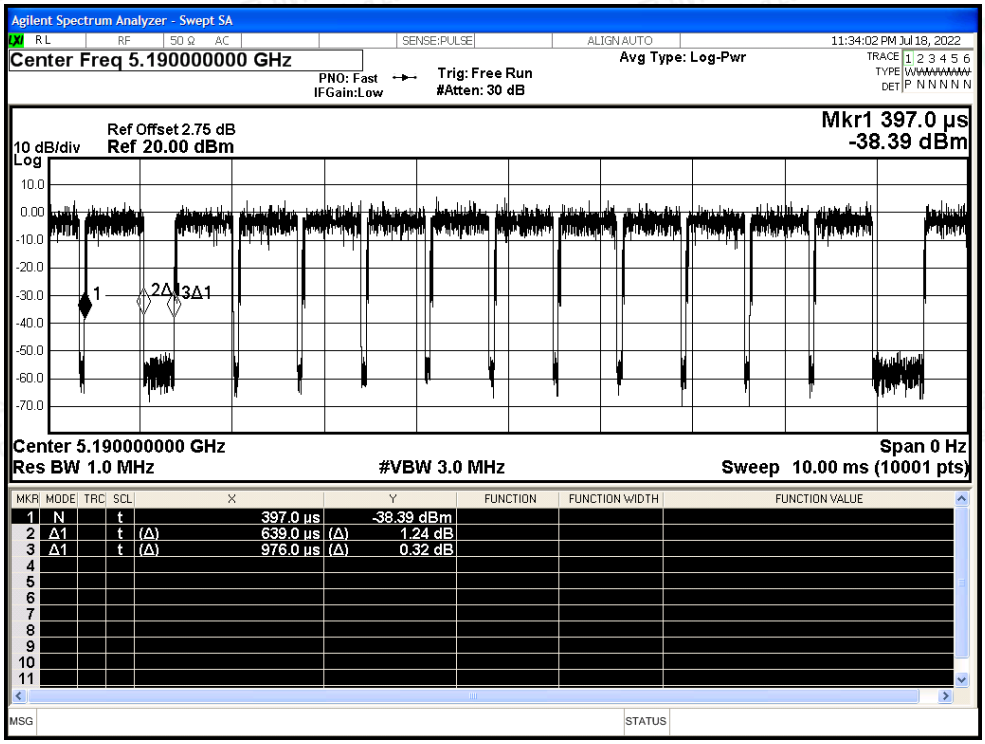
Duty Cycle NVNT n20 5200MHz Ant1



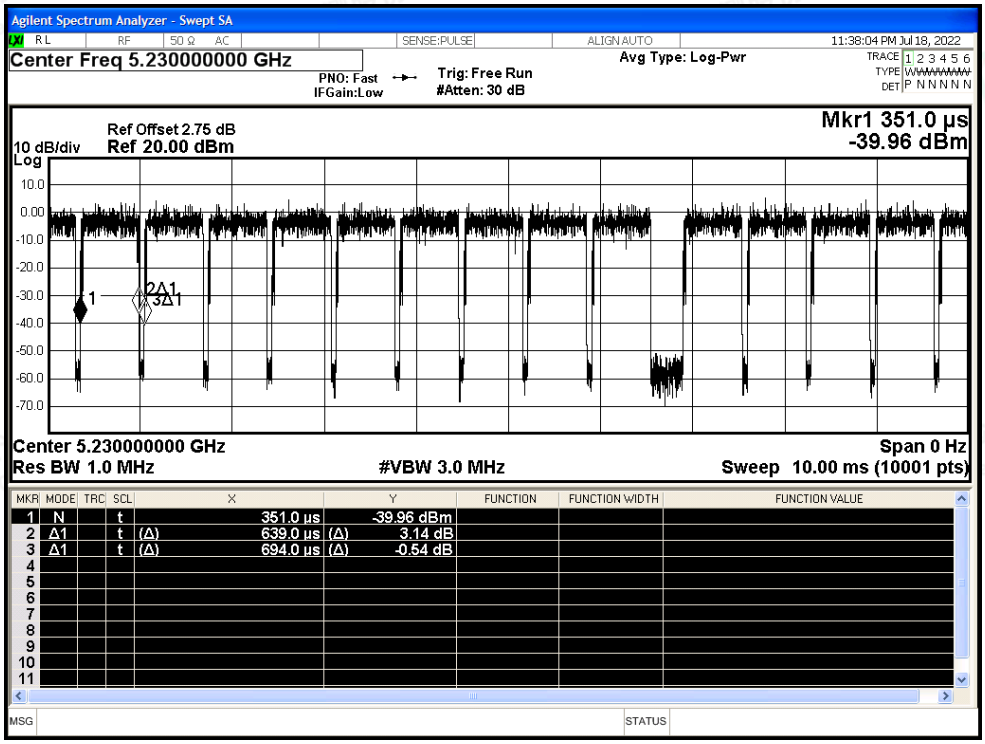
Duty Cycle NVNT n20 5240MHz Ant1



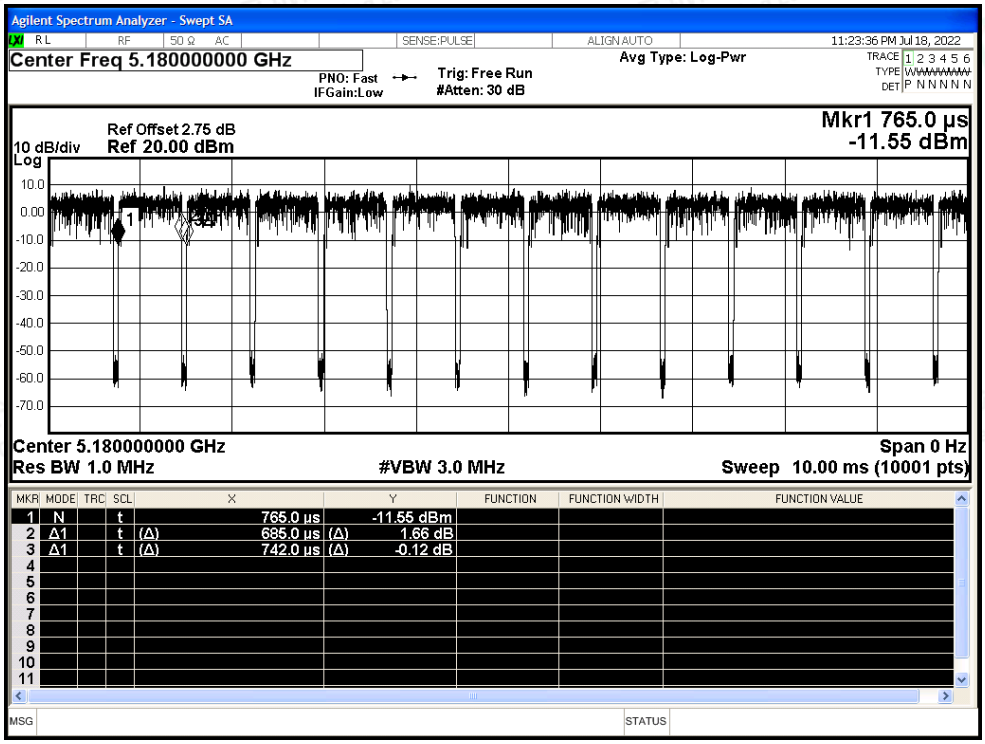
Duty Cycle NVNT n40 5190MHz Ant1



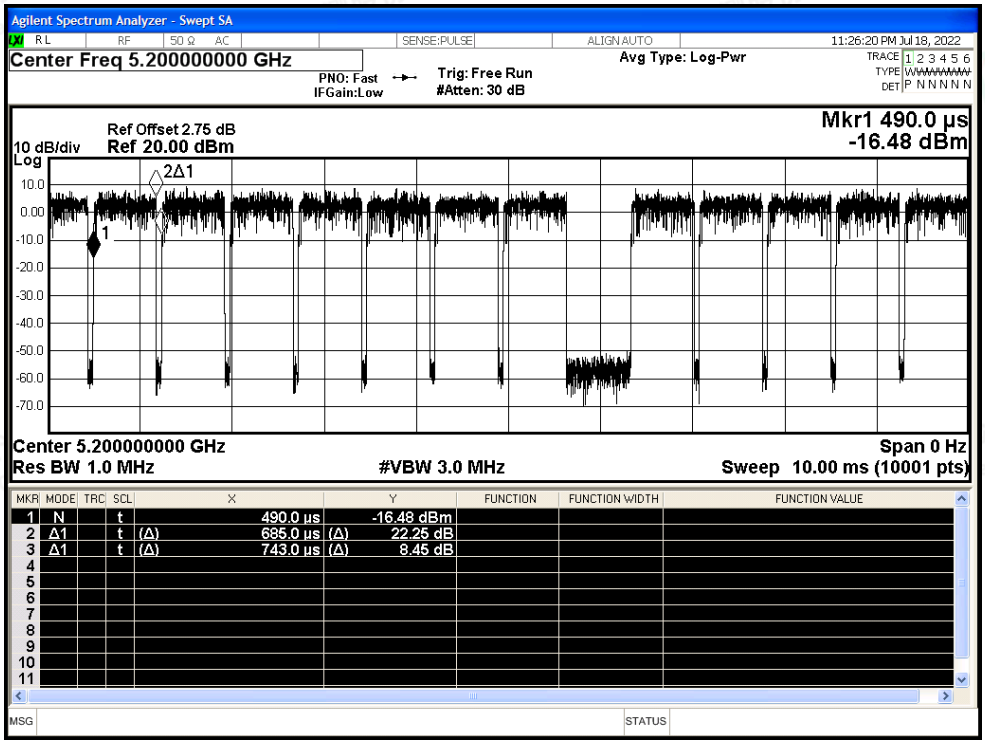
Duty Cycle NVNT n40 5230MHz Ant1



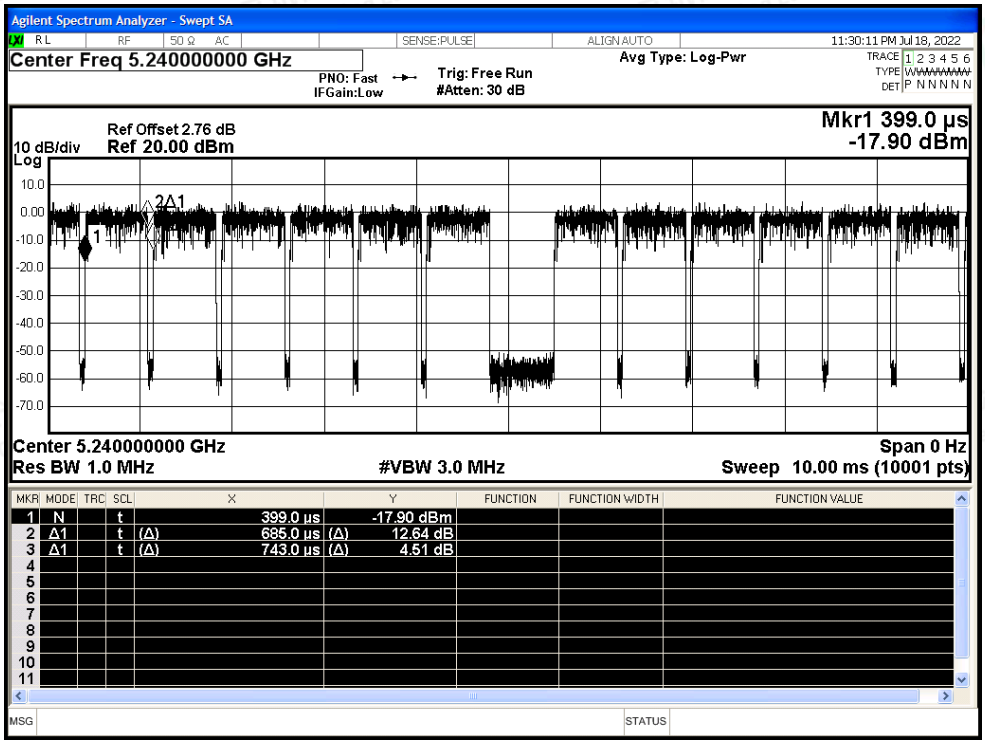
Duty Cycle NVNT ac20 5180MHz Ant1



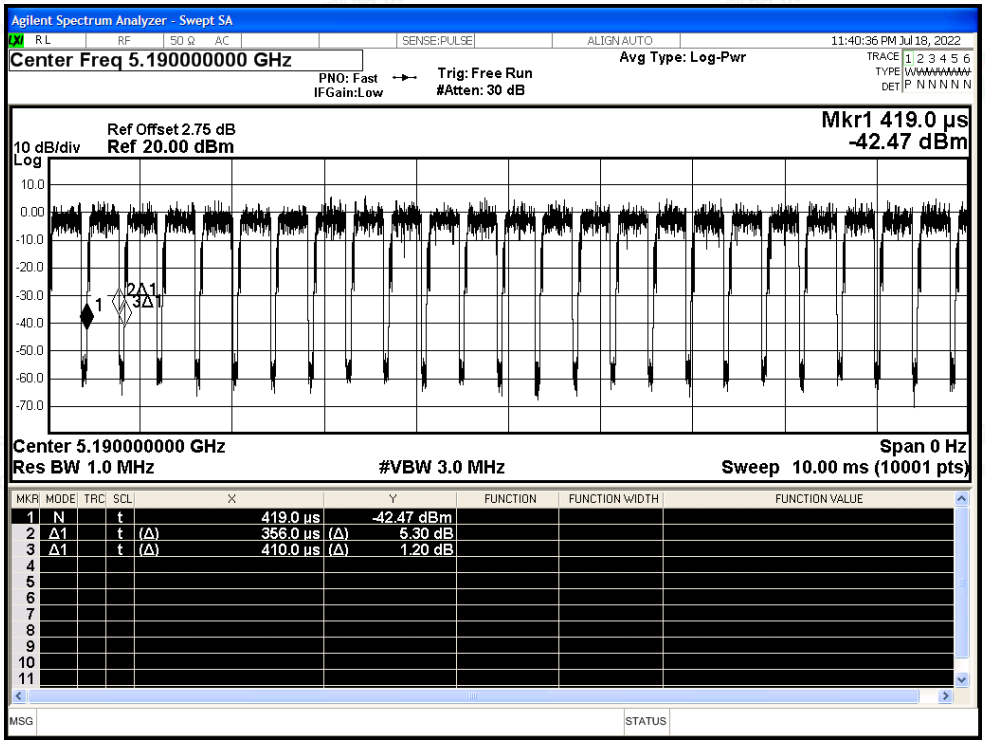
Duty Cycle NVNT ac20 5200MHz Ant1



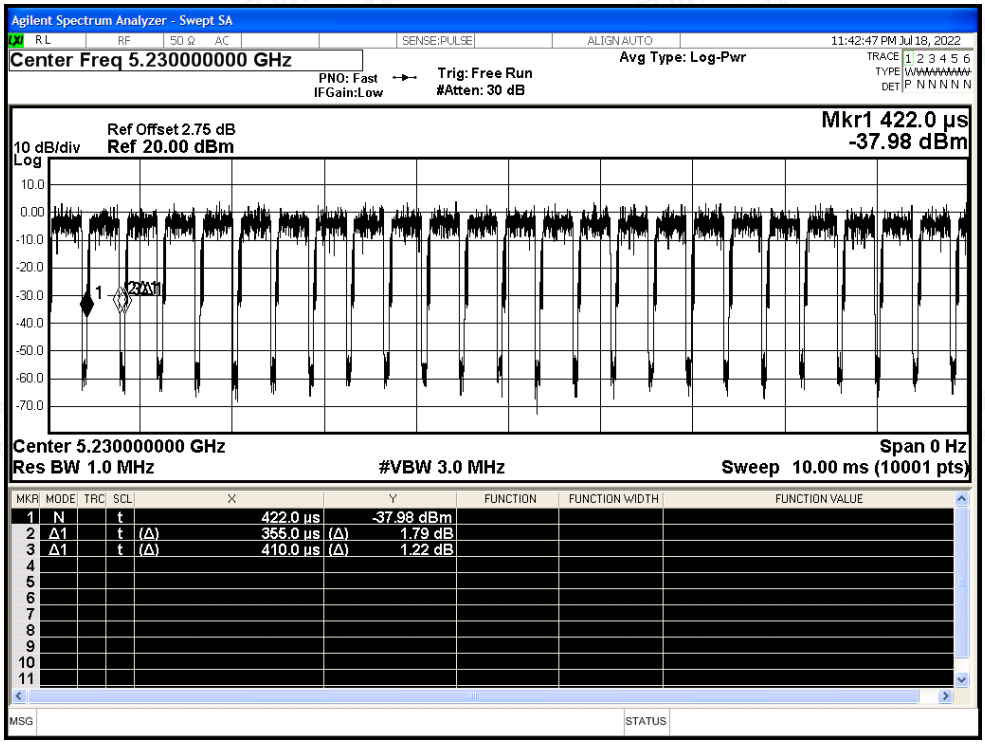
Duty Cycle NVNT ac20 5240MHz Ant1



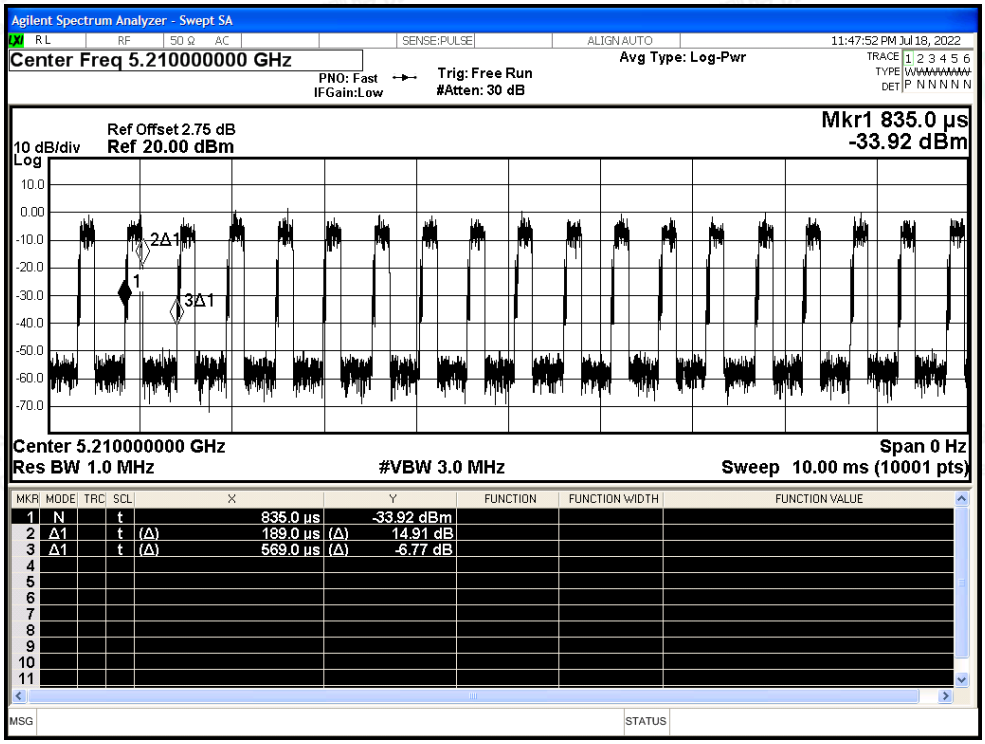
Duty Cycle NVNT ac40 5190MHz Ant1



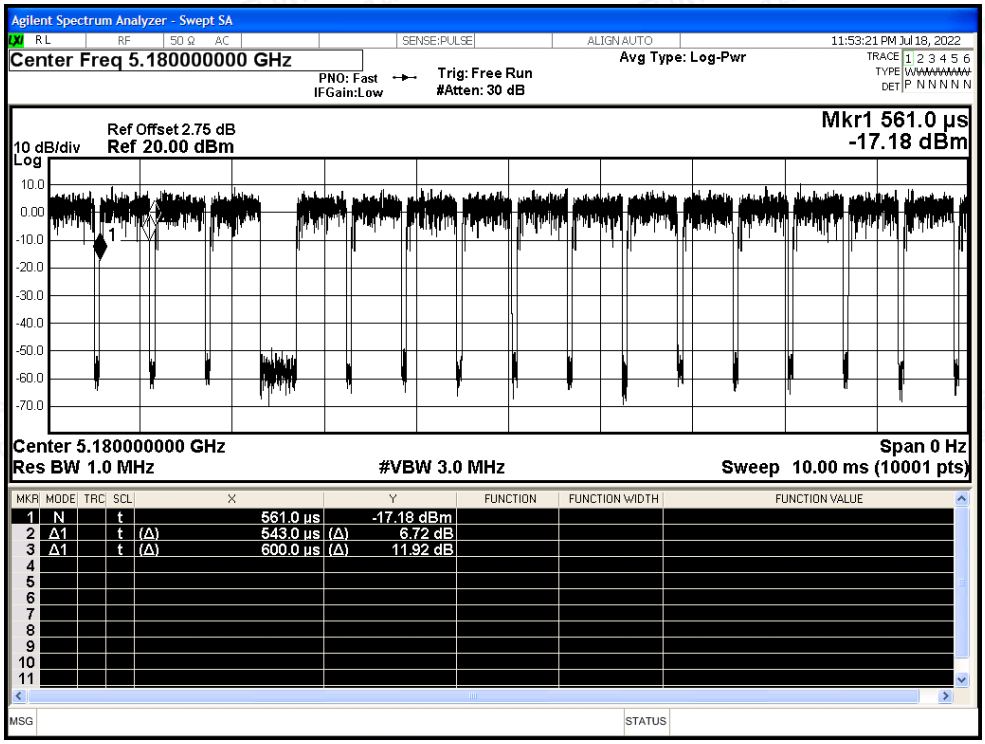
Duty Cycle NVNT ac40 5230MHz Ant1



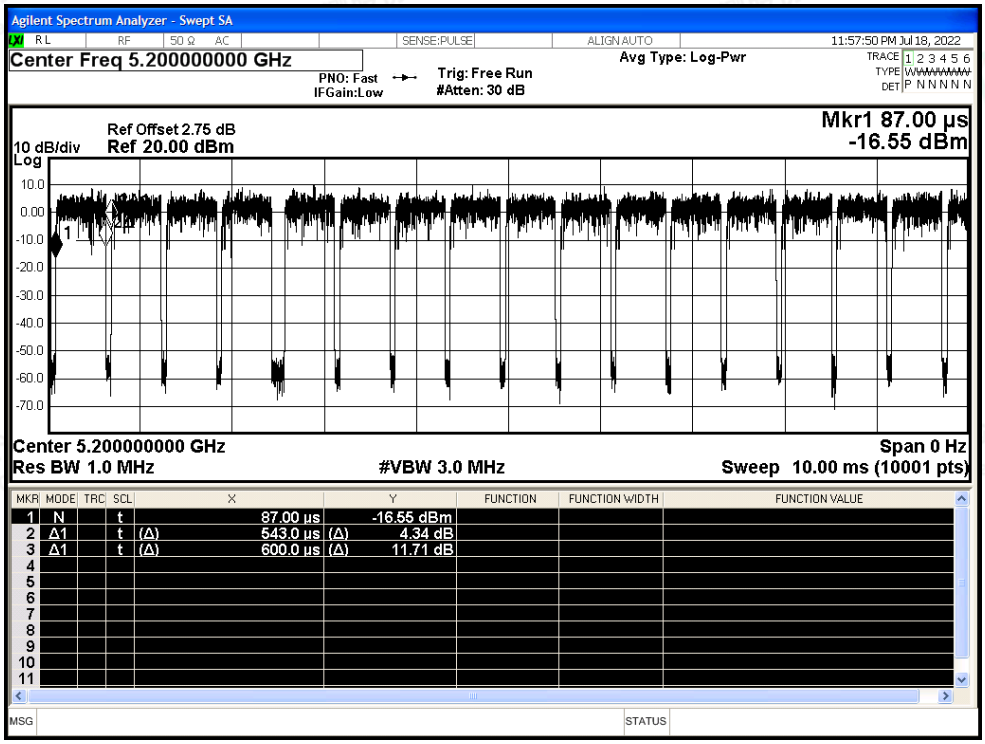
Duty Cycle NVNT ac80 5210MHz Ant1



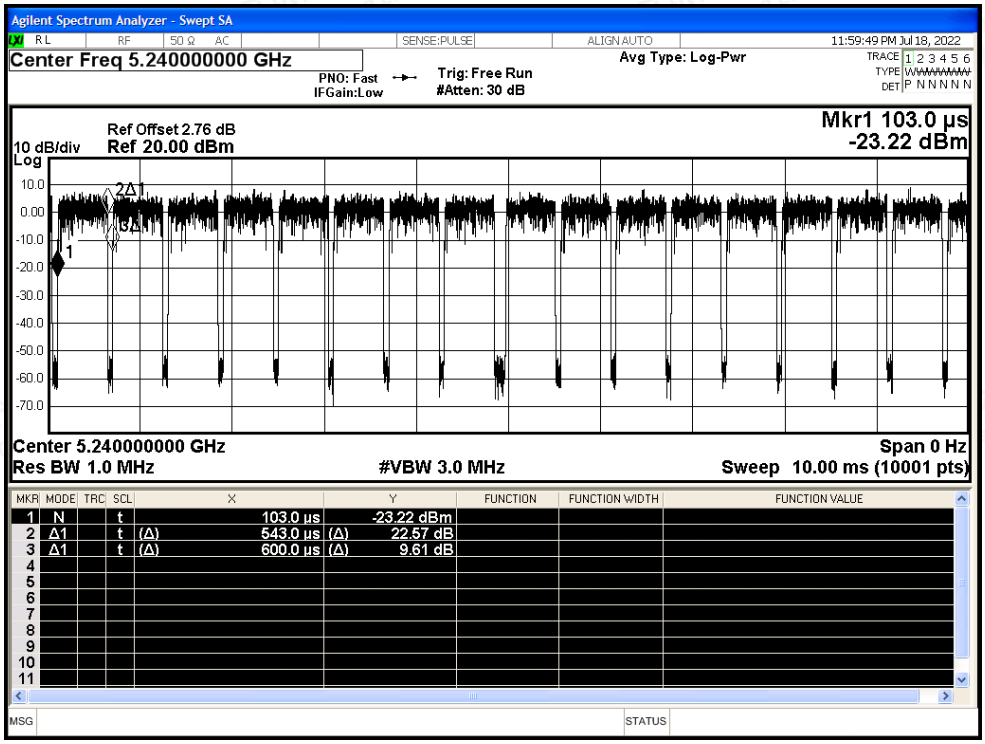
Duty Cycle NVNT ax20 5180MHz Ant1



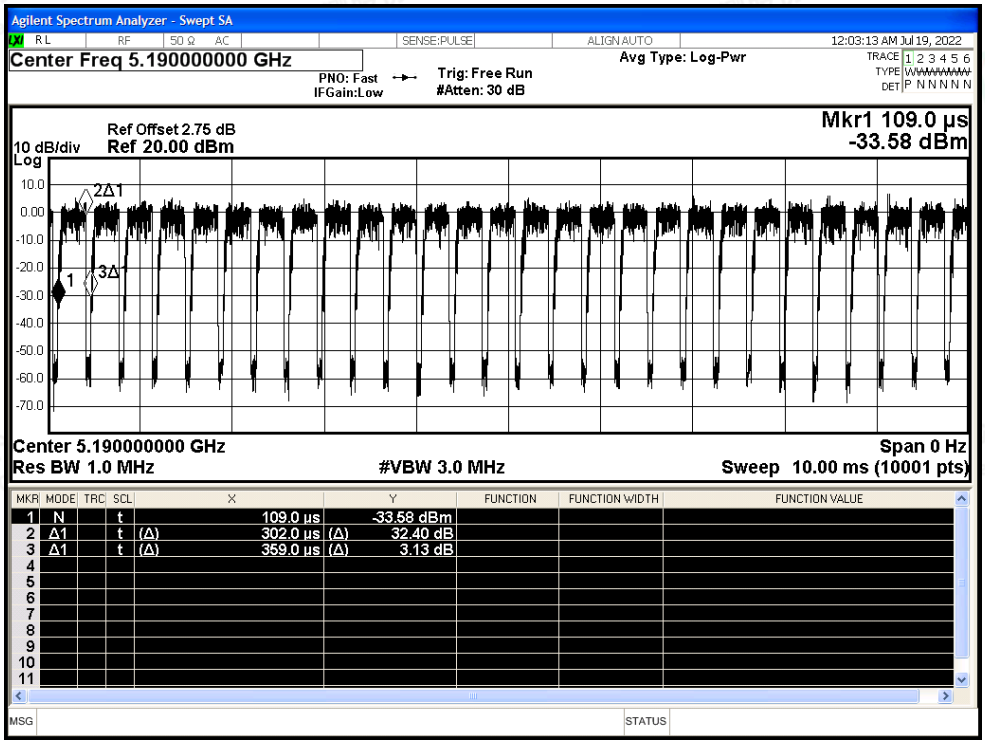
Duty Cycle NVNT ax20 5200MHz Ant1



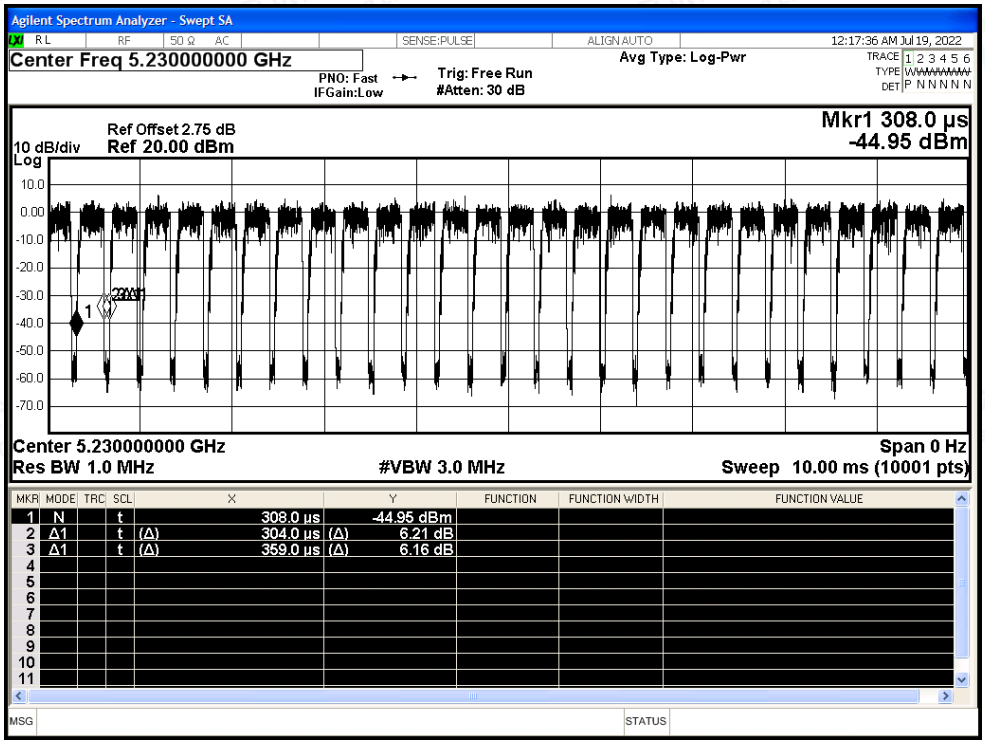
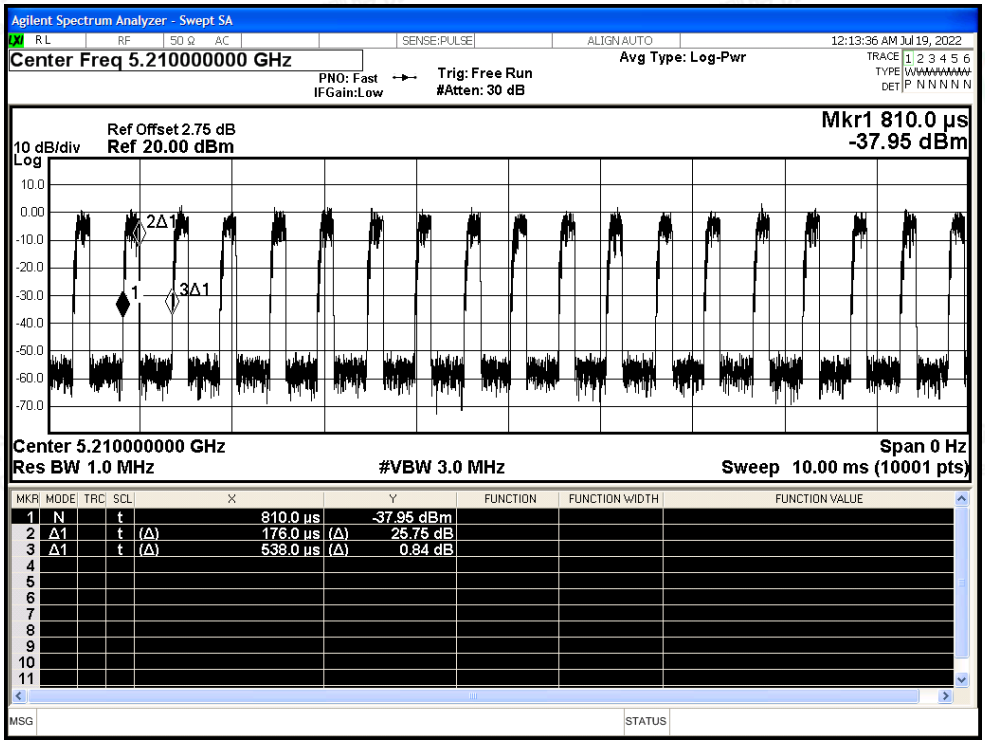
Duty Cycle NVNT ax20 5240MHz Ant1



Duty Cycle NVNT ax40 5190MHz Ant1



Duty Cycle NVNT ax40 5230MHz Ant1



Duty Cycle NVNT ax80 5210MHz Ant1