



Appendix D

RF Test Data for 5.2GWIFI(Conducted Measurement)

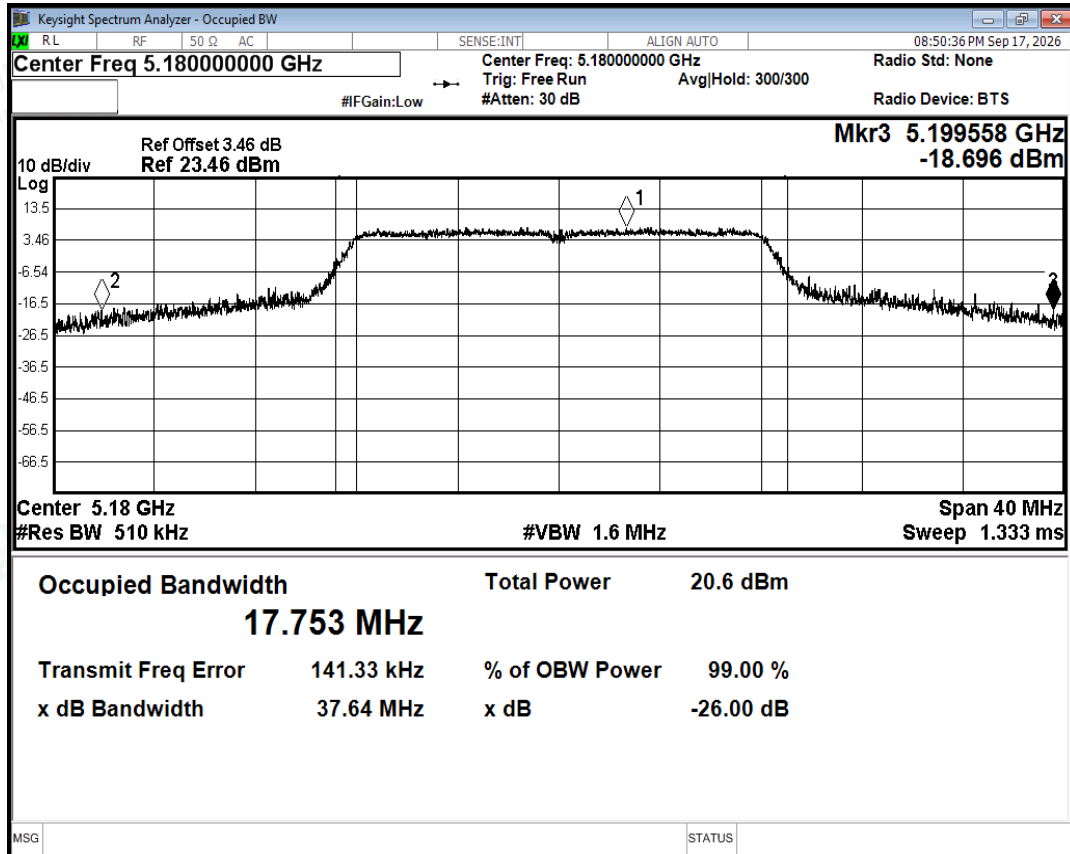
Product Name: Legends Ultimate 2 Arcade
Test Model: HA8805

Environmental Conditions	
Temperature:	24.6° C
Relative Humidity:	53.7%
ATM Pressure:	100.0 kPa
Test Engineer:	Jerry Chu
Supervised by:	Can Kun

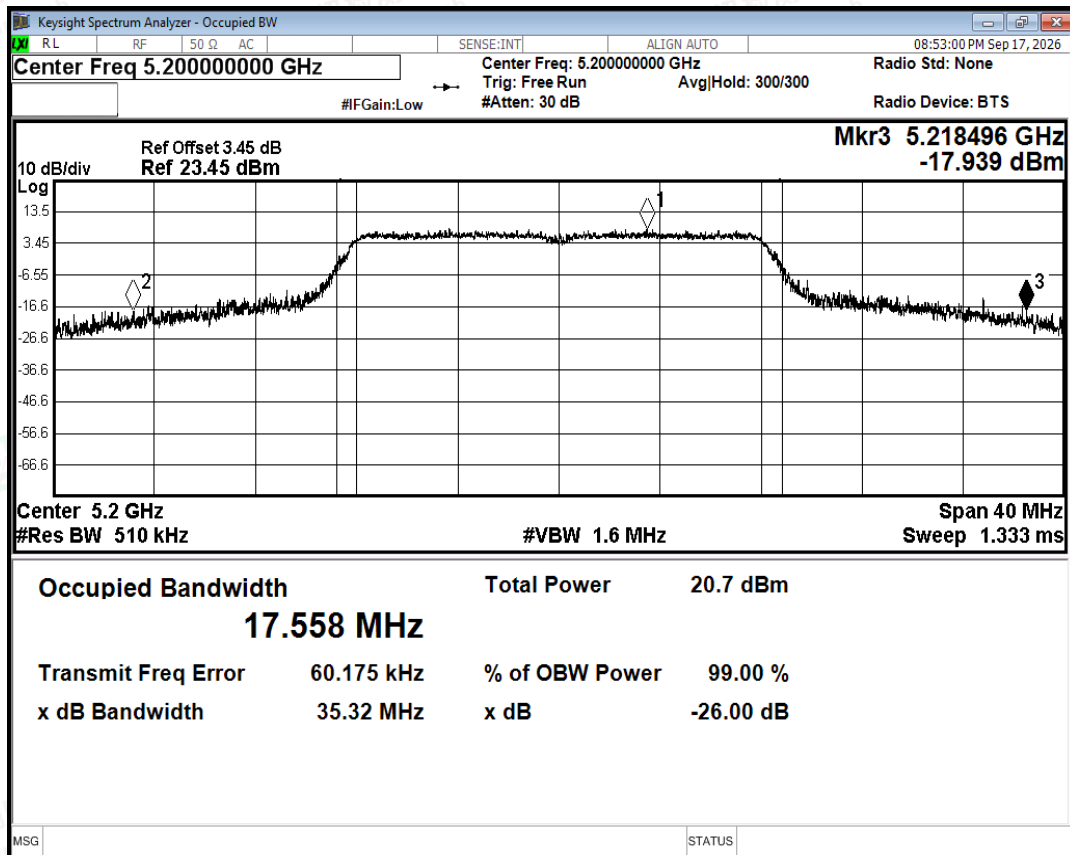


D.1 -26dB Bandwidth

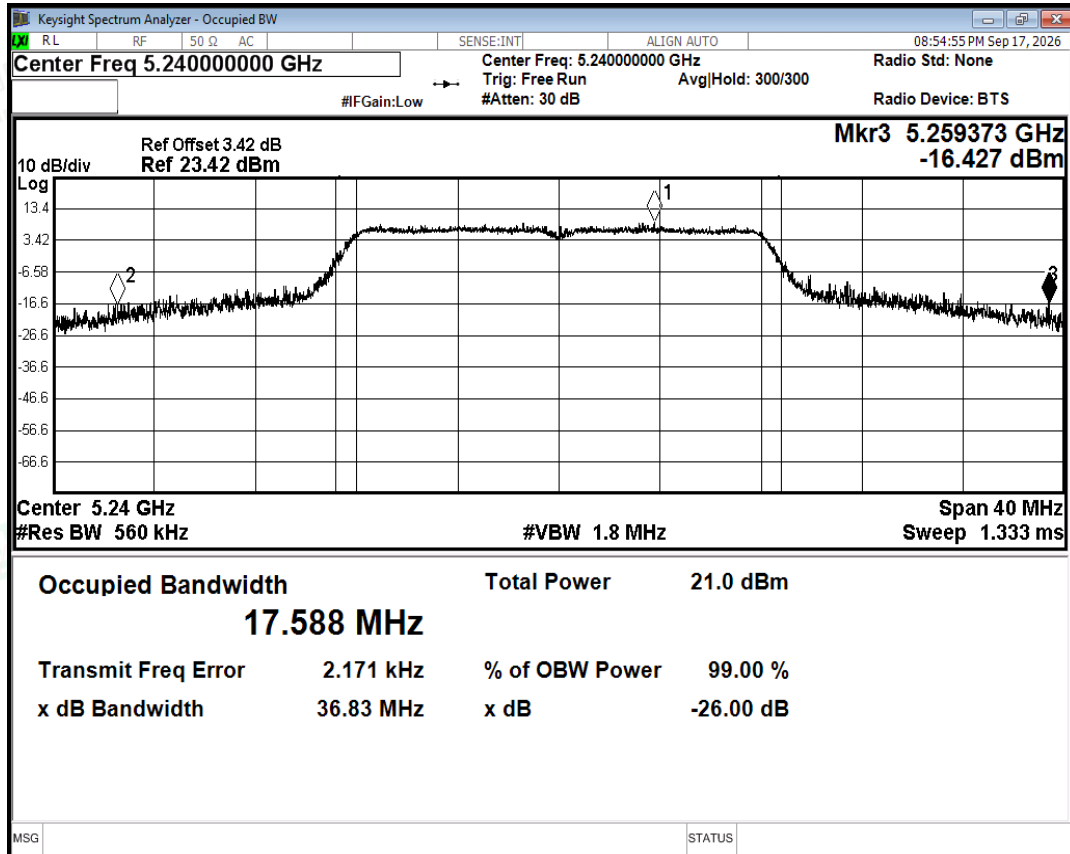
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5180	Ant1	37.64
NVNT	a	5200	Ant1	35.32
NVNT	a	5240	Ant1	36.83
NVNT	n20	5180	Ant1	37.47
NVNT	n20	5200	Ant1	37.82
NVNT	n20	5240	Ant1	37.03
NVNT	n40	5190	Ant1	75.66
NVNT	n40	5230	Ant1	65.65
NVNT	ac20	5180	Ant1	37.53
NVNT	ac20	5200	Ant1	38.13
NVNT	ac20	5240	Ant1	39.42
NVNT	ac40	5190	Ant1	70.79
NVNT	ac40	5230	Ant1	54.15
NVNT	ac80	5210	Ant1	127.7



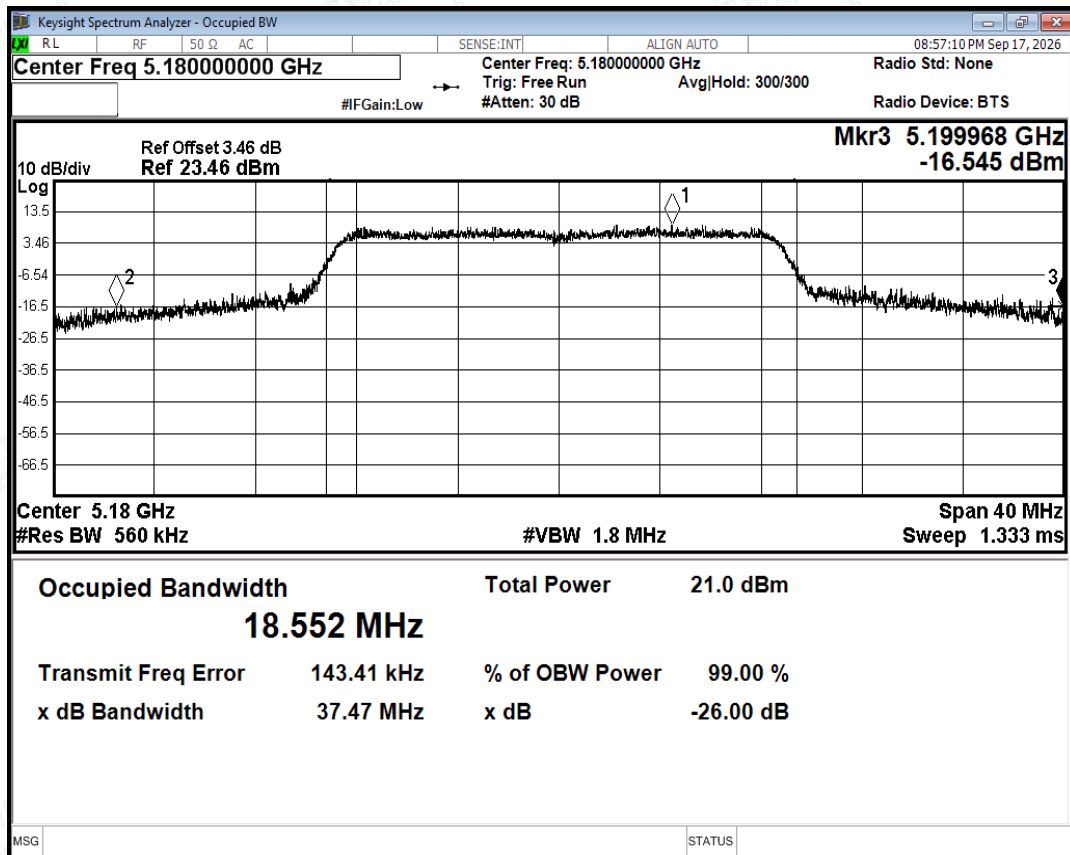
-26dB Bandwidth NVNT a 5180MHz Ant1



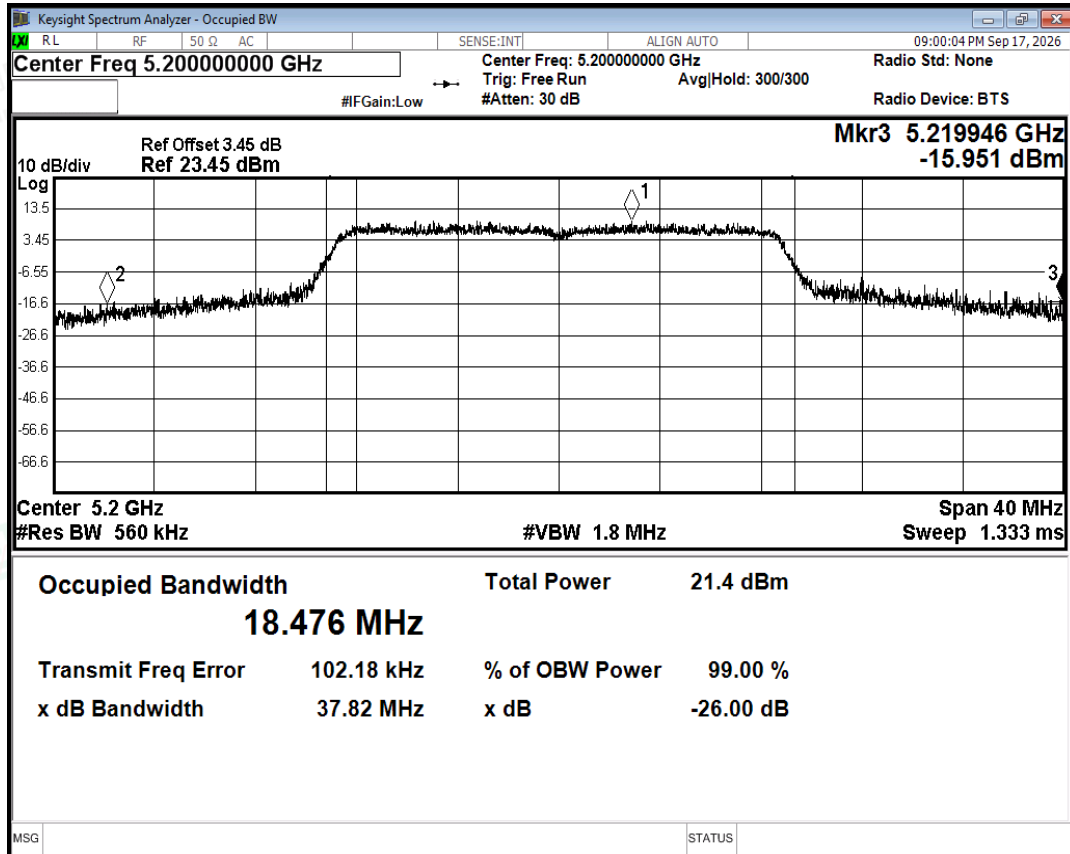
-26dB Bandwidth NVNT a 5200MHz Ant1



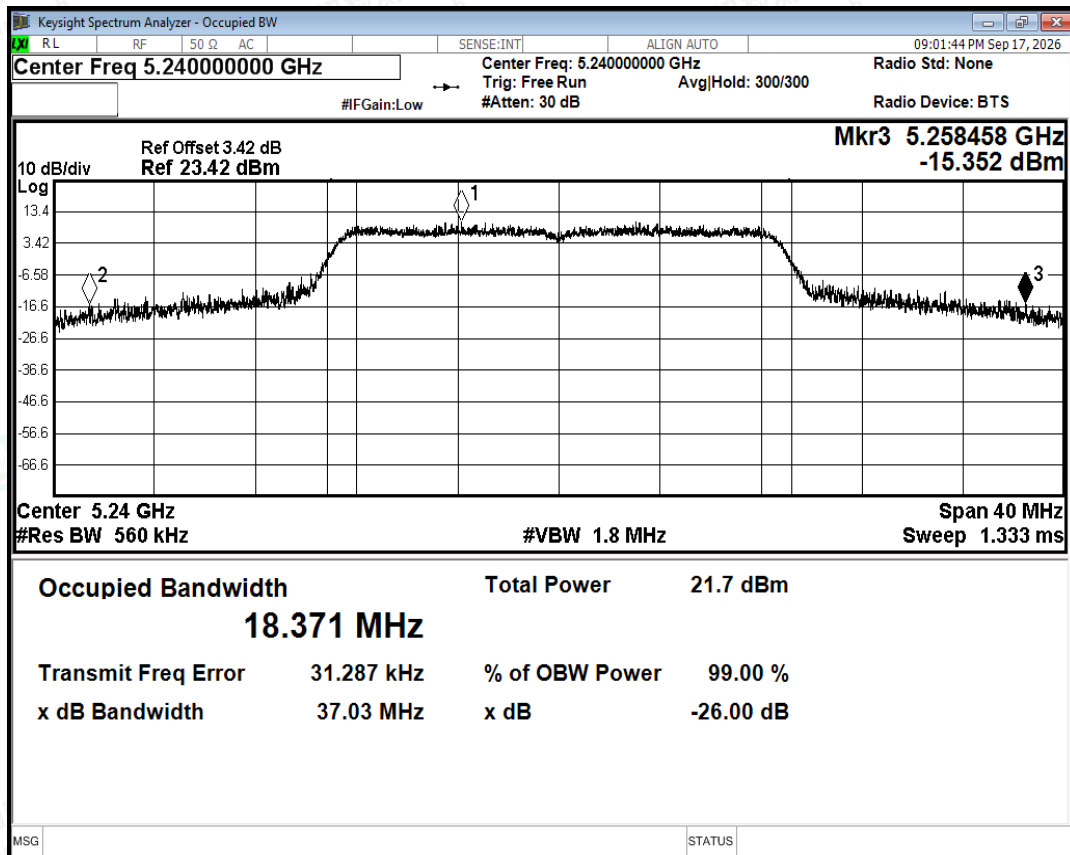
-26dB Bandwidth NVNT a 5240MHz Ant1



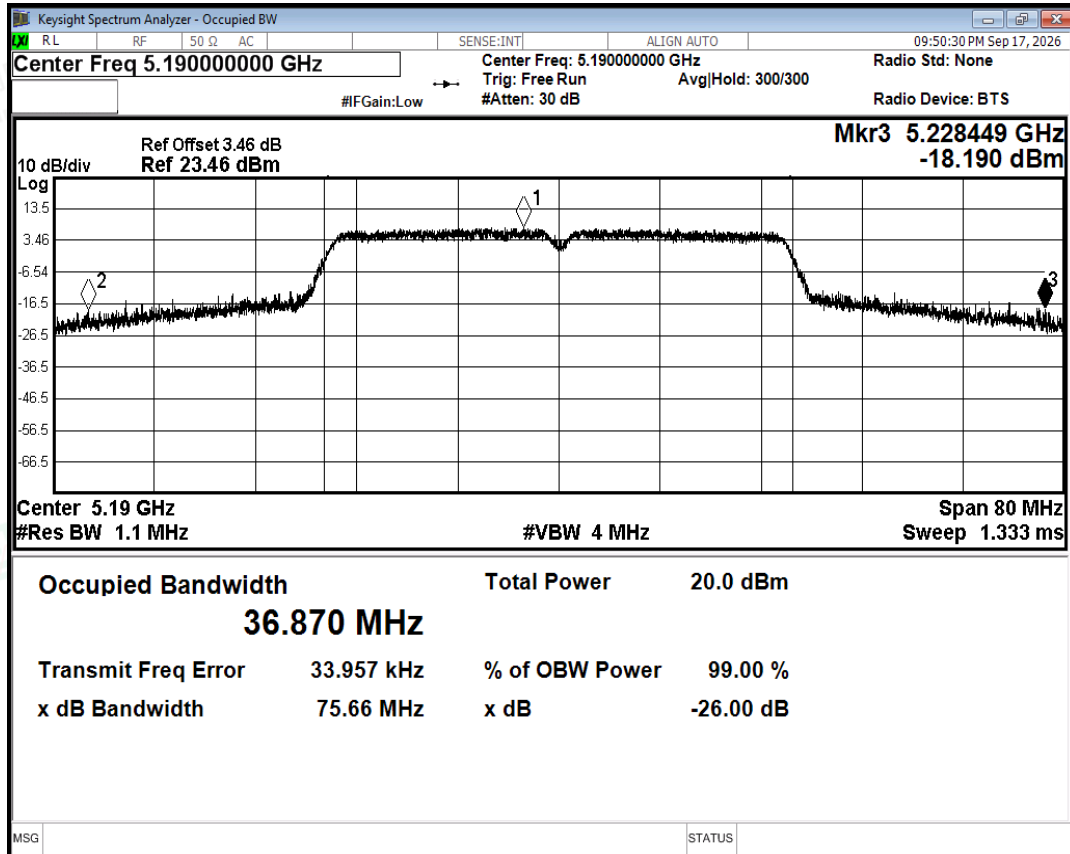
-26dB Bandwidth NVNT n20 5180MHz Ant1



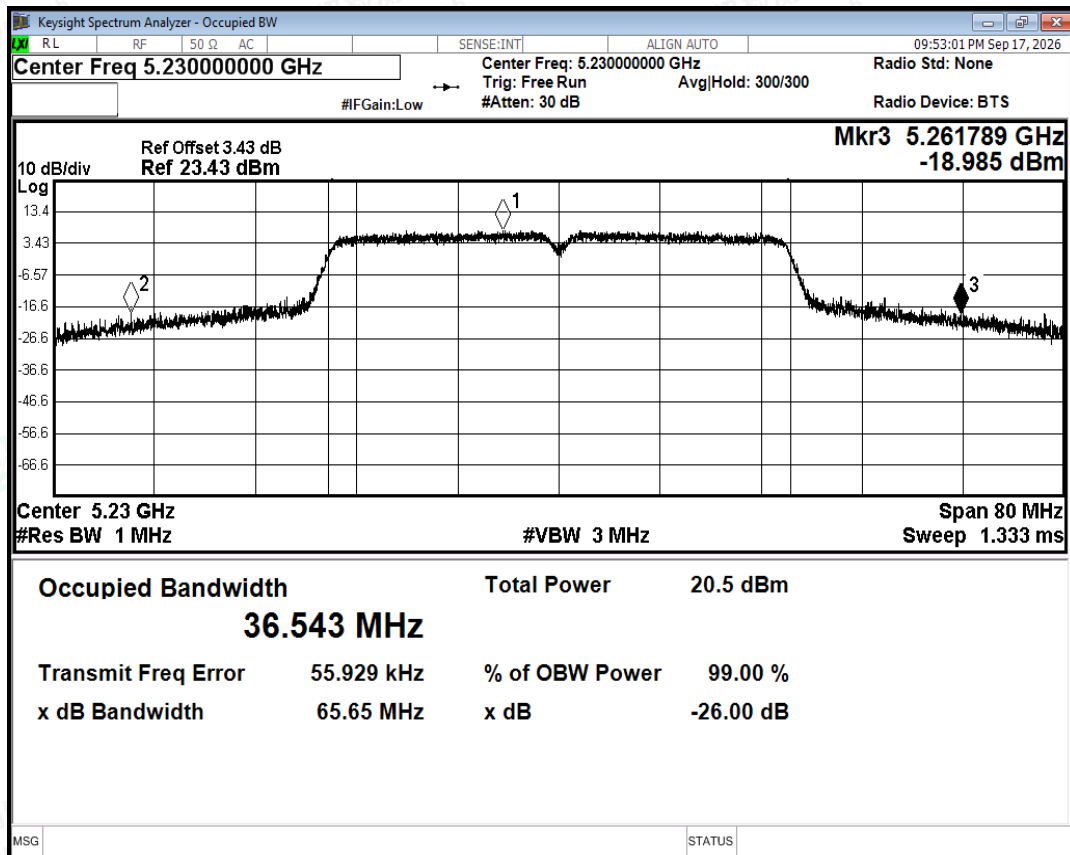
-26dB Bandwidth NVNT n20 5200MHz Ant1



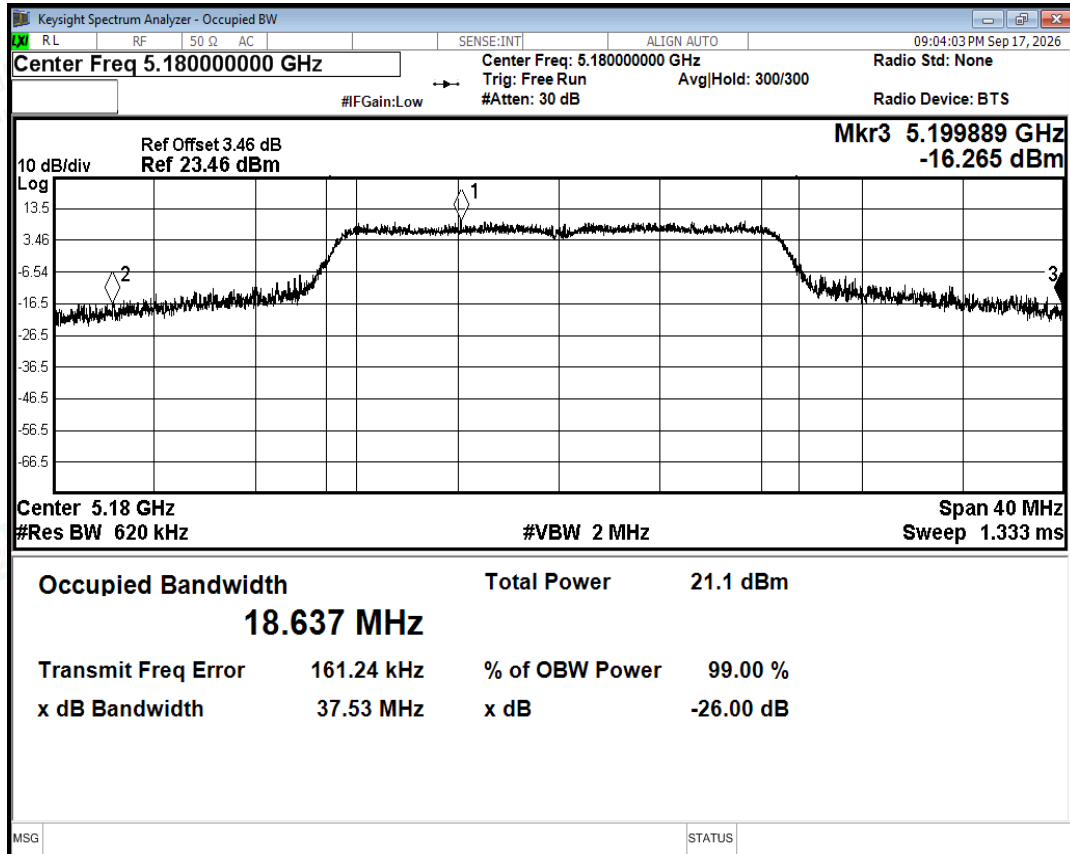
-26dB Bandwidth NVNT n20 5240MHz Ant1



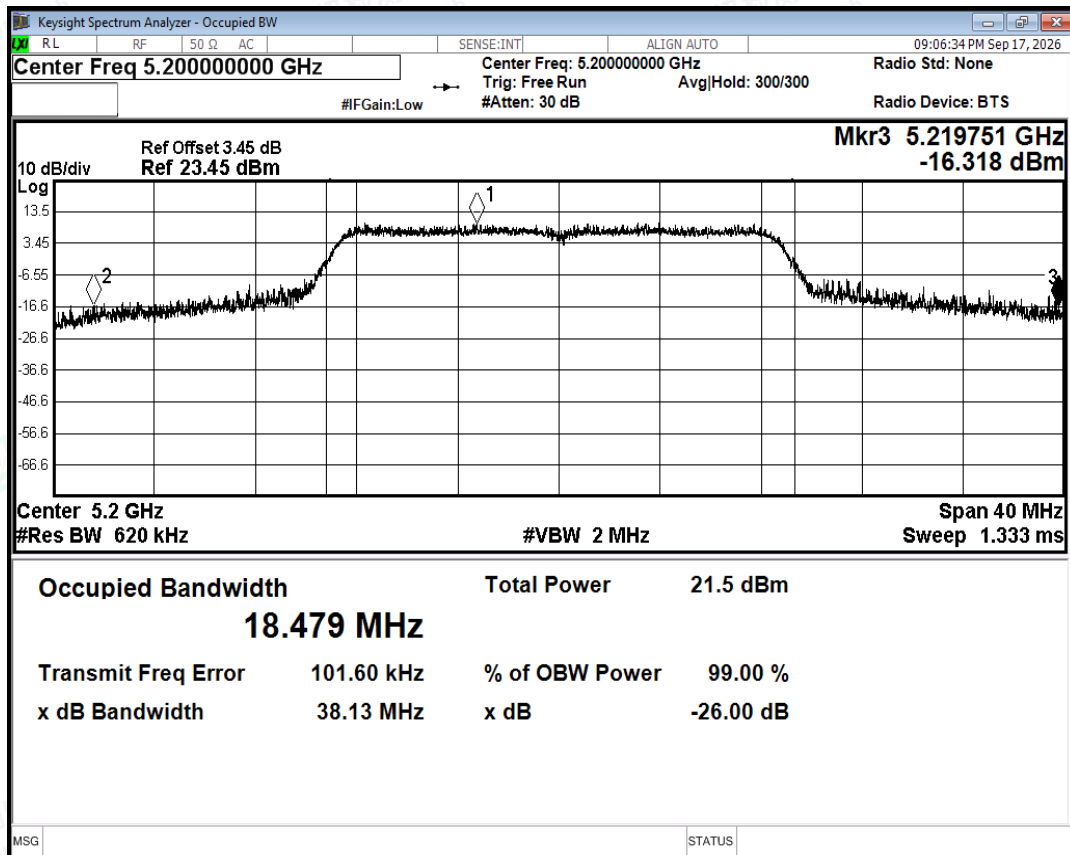
-26dB Bandwidth NVNT n40 5190MHz Ant1



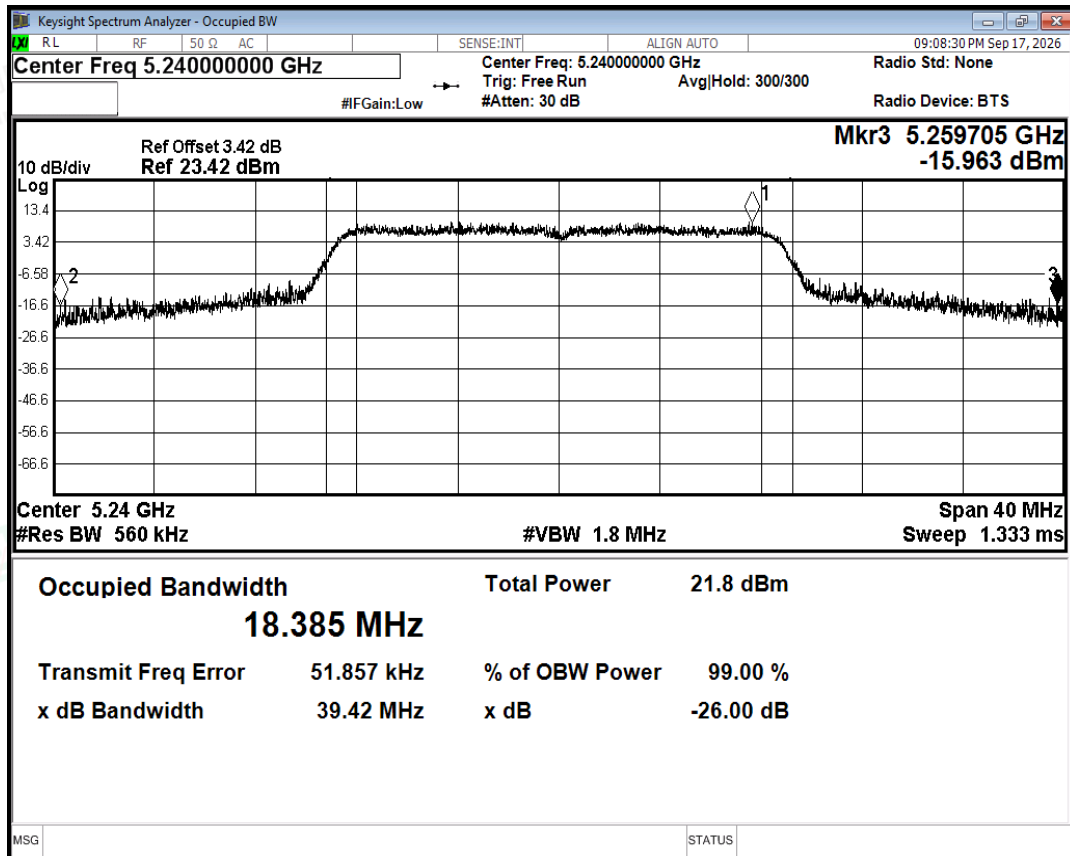
-26dB Bandwidth NVNT n40 5230MHz Ant1



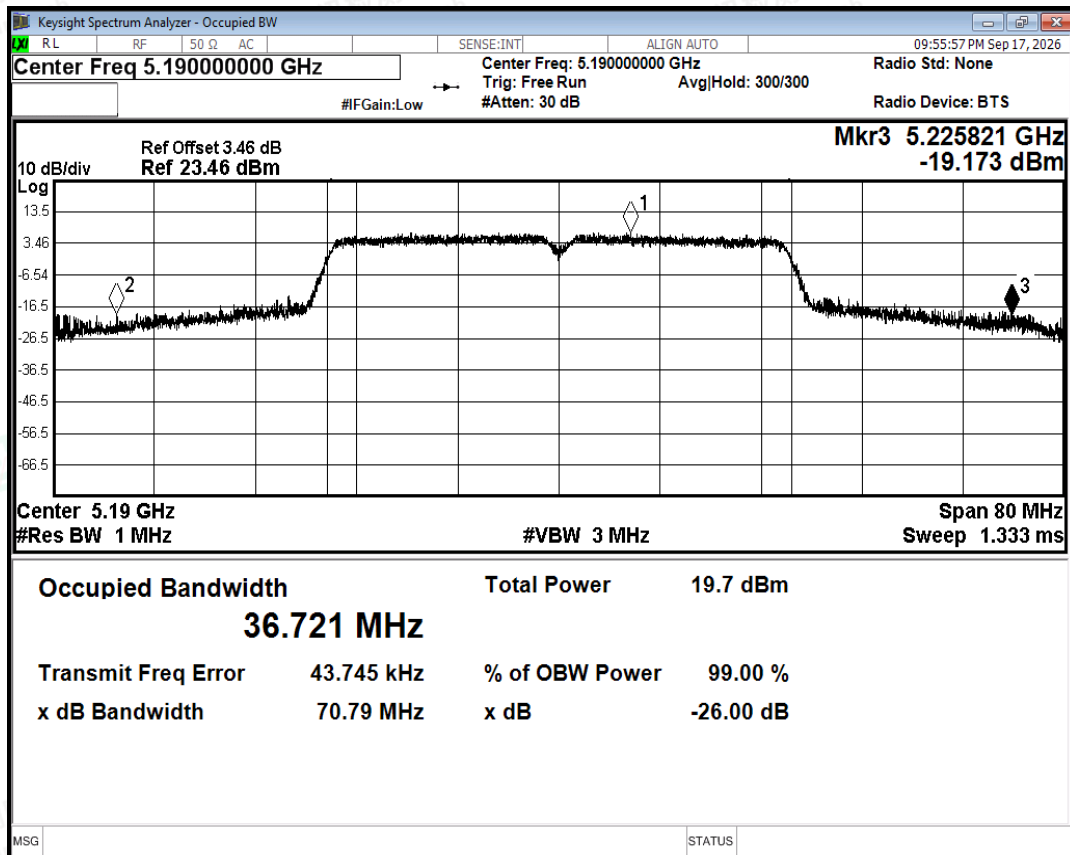
-26dB Bandwidth NVNT ac20 5180MHz Ant1



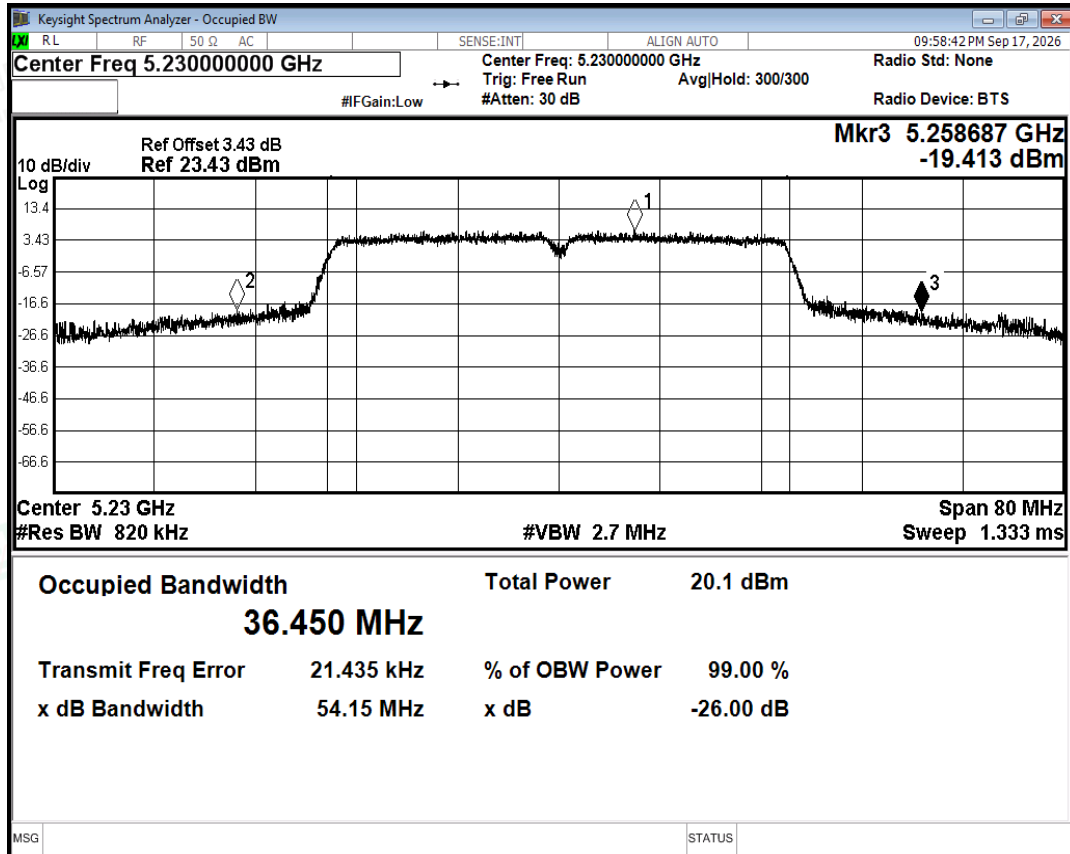
-26dB Bandwidth NVNT ac20 5200MHz Ant1



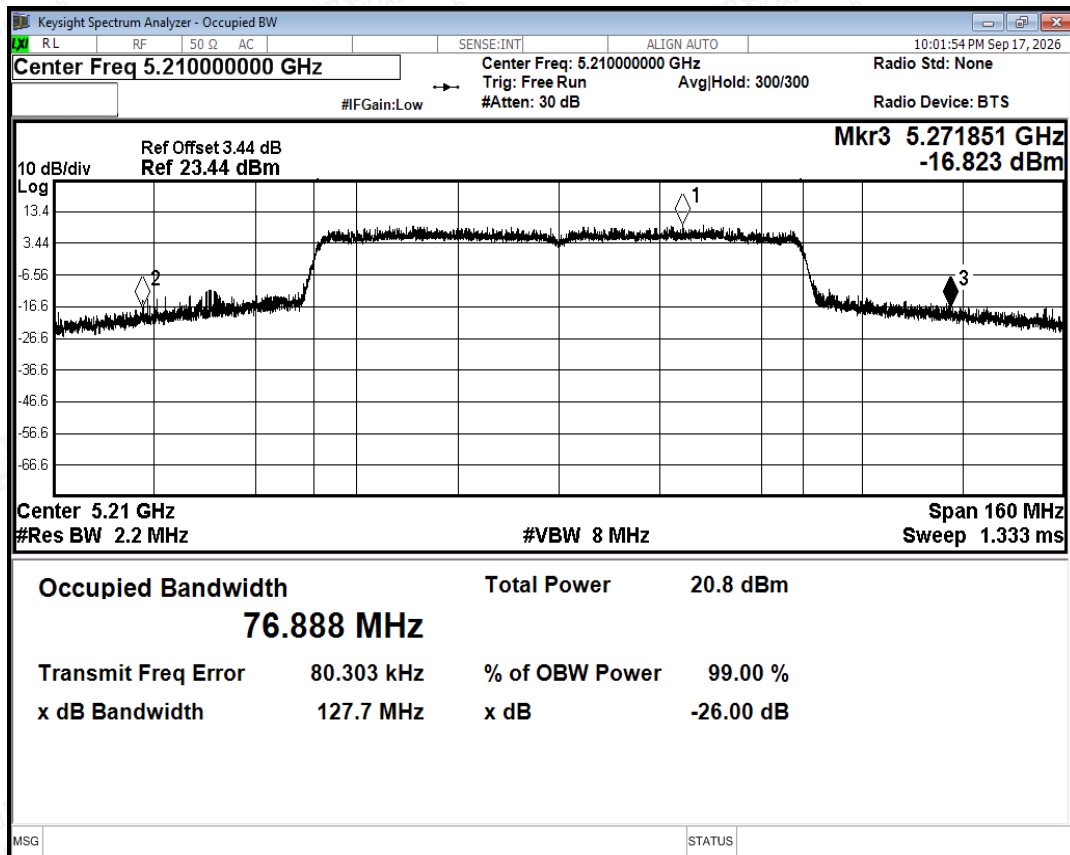
-26dB Bandwidth NVNT ac20 5240MHz Ant1



-26dB Bandwidth NVNT ac40 5190MHz Ant1



-26dB Bandwidth NVNT ac40 5230MHz Ant1



-26dB Bandwidth NVNT ac80 5210MHz Ant1



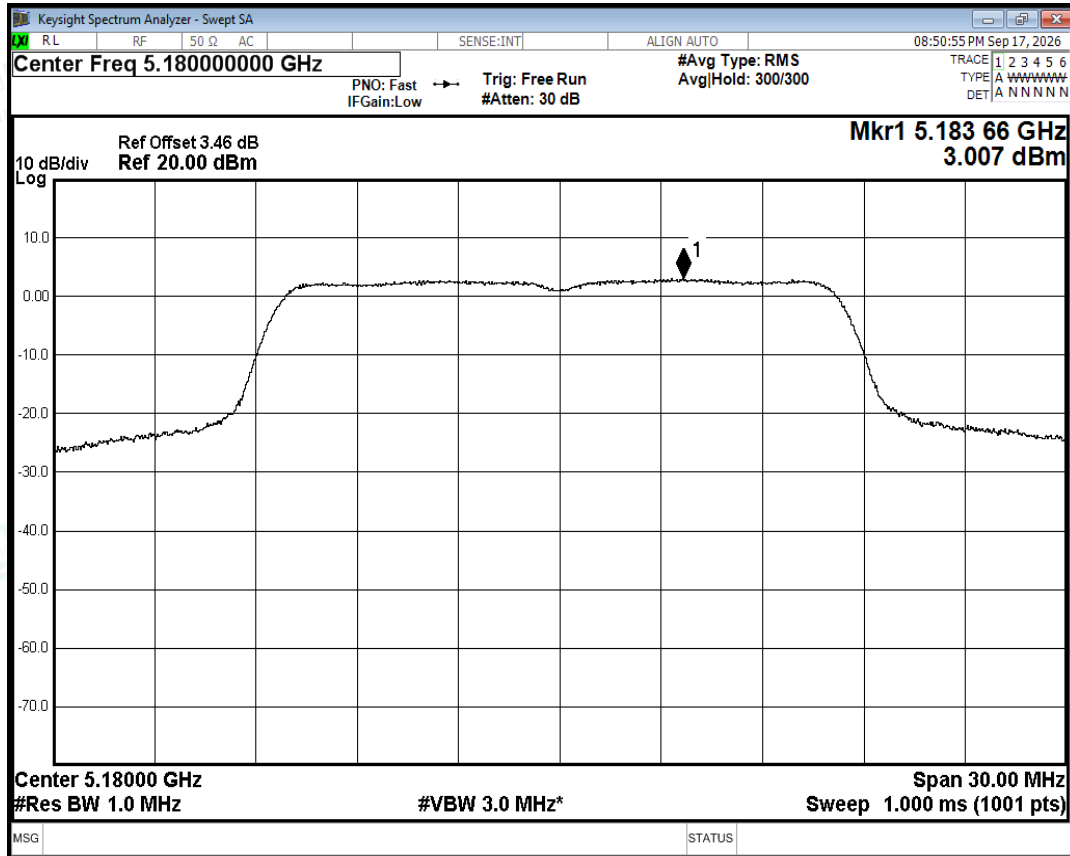
D.2 Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Conducted Power (dBm)	Limit Conducted(dBm)	Verdict
NVNT	a	5180	Ant1	14.19	0.18	14.37	24	Pass
NVNT	a	5200	Ant1	14.34	0.21	14.55	24	Pass
NVNT	a	5240	Ant1	14.6	0.18	14.78	24	Pass
NVNT	n20	5180	Ant1	14.23	0.22	14.45	24	Pass
NVNT	n20	5200	Ant1	14.47	0.22	14.69	24	Pass
NVNT	n20	5240	Ant1	14.8	0.22	15.02	24	Pass
NVNT	n40	5190	Ant1	12.34	0.42	12.76	24	Pass
NVNT	n40	5230	Ant1	12.84	0.42	13.26	24	Pass
NVNT	ac20	5180	Ant1	14.15	0.21	14.36	24	Pass
NVNT	ac20	5200	Ant1	14.47	0.21	14.68	24	Pass
NVNT	ac20	5240	Ant1	14.80	0.21	15.01	24	Pass
NVNT	ac40	5190	Ant1	12.14	0.49	12.63	24	Pass
NVNT	ac40	5230	Ant1	12.54	0.49	13.03	24	Pass
NVNT	ac80	5210	Ant1	12.49	0.79	13.28	24	Pass

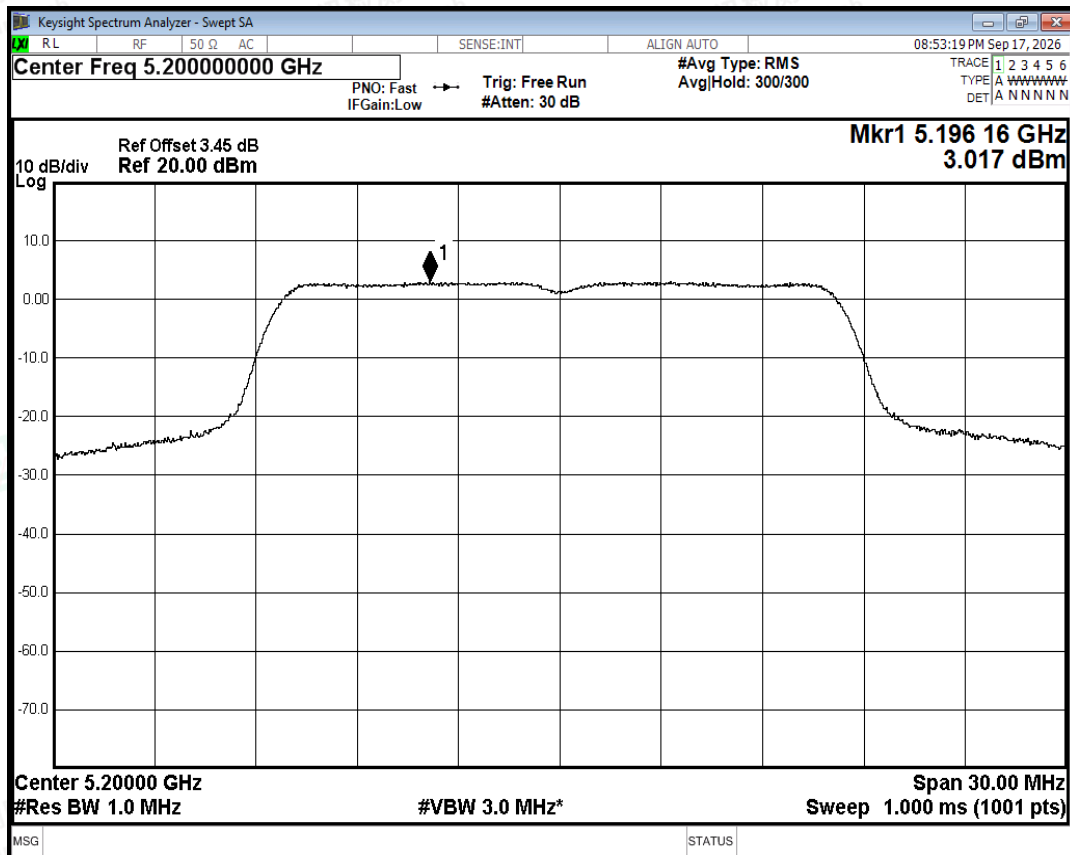


D.3 Maximum Power Spectral Density Level

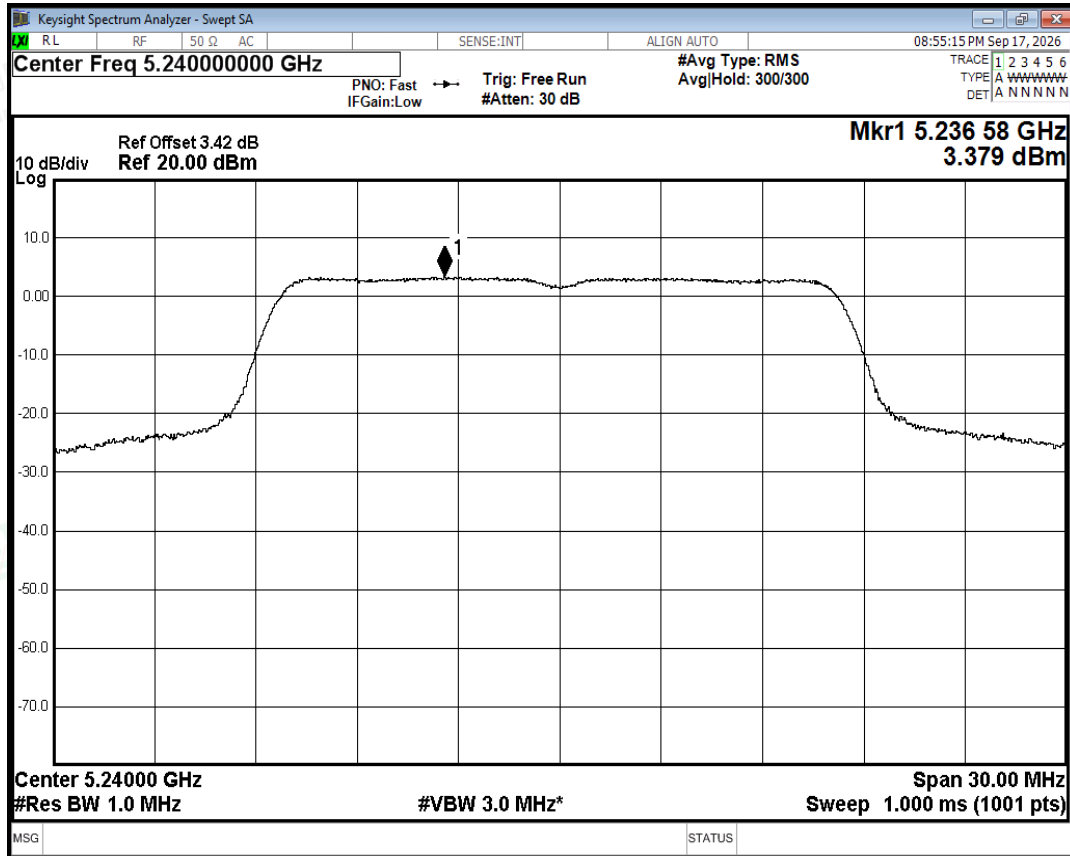
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/MHz)	Duty Factor (dB)	Total PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	a	5180	Ant1	3.01	0.18	3.19	11	Pass
NVNT	a	5200	Ant1	3.02	0.21	3.23	11	Pass
NVNT	a	5240	Ant1	3.38	0.18	3.56	11	Pass
NVNT	n20	5180	Ant1	2.65	0.22	2.87	11	Pass
NVNT	n20	5200	Ant1	2.96	0.22	3.18	11	Pass
NVNT	n20	5240	Ant1	3.37	0.22	3.59	11	Pass
NVNT	n40	5190	Ant1	-2.09	0.42	-1.67	11	Pass
NVNT	n40	5230	Ant1	-1.62	0.42	-1.2	11	Pass
NVNT	ac20	5180	Ant1	2.71	0.21	2.92	11	Pass
NVNT	ac20	5200	Ant1	2.97	0.21	3.18	11	Pass
NVNT	ac20	5240	Ant1	3.33	0.21	3.54	11	Pass
NVNT	ac40	5190	Ant1	-2.13	0.49	-1.64	11	Pass
NVNT	ac40	5230	Ant1	-1.82	0.49	-1.33	11	Pass
NVNT	ac80	5210	Ant1	-5.35	0.79	-4.56	11	Pass



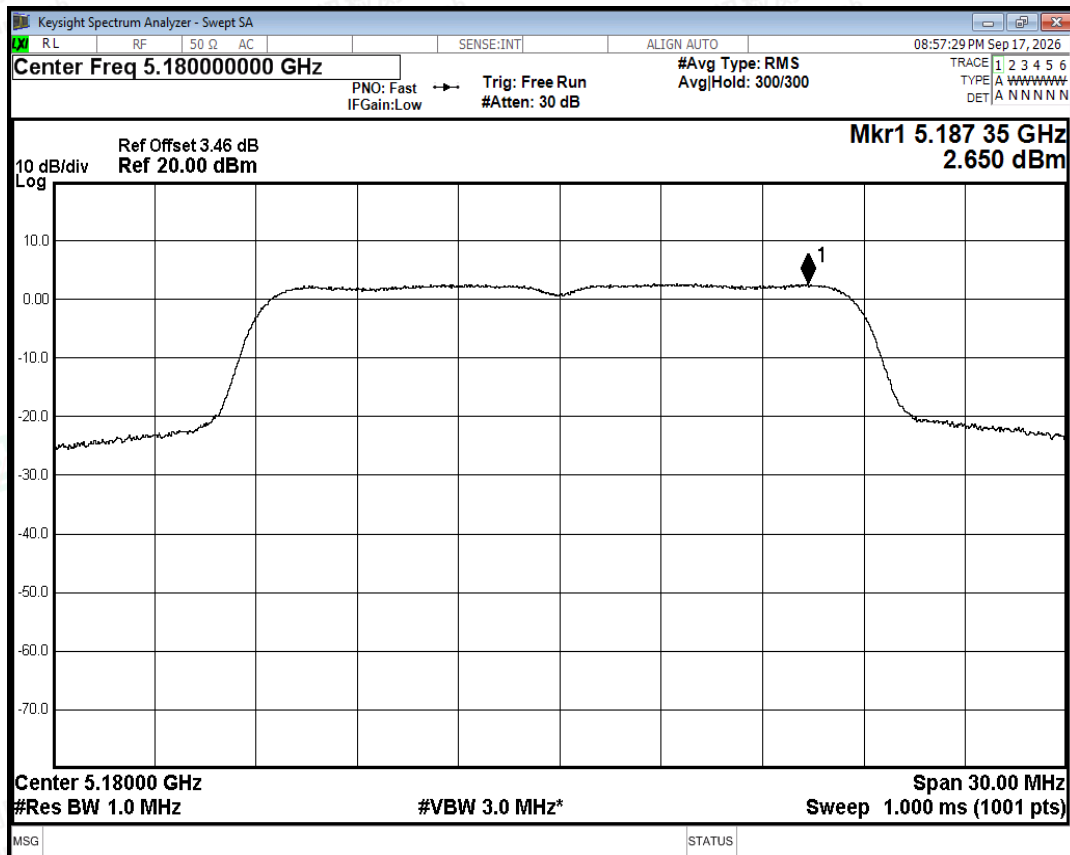
PSD NVNT a 5180MHz Ant1



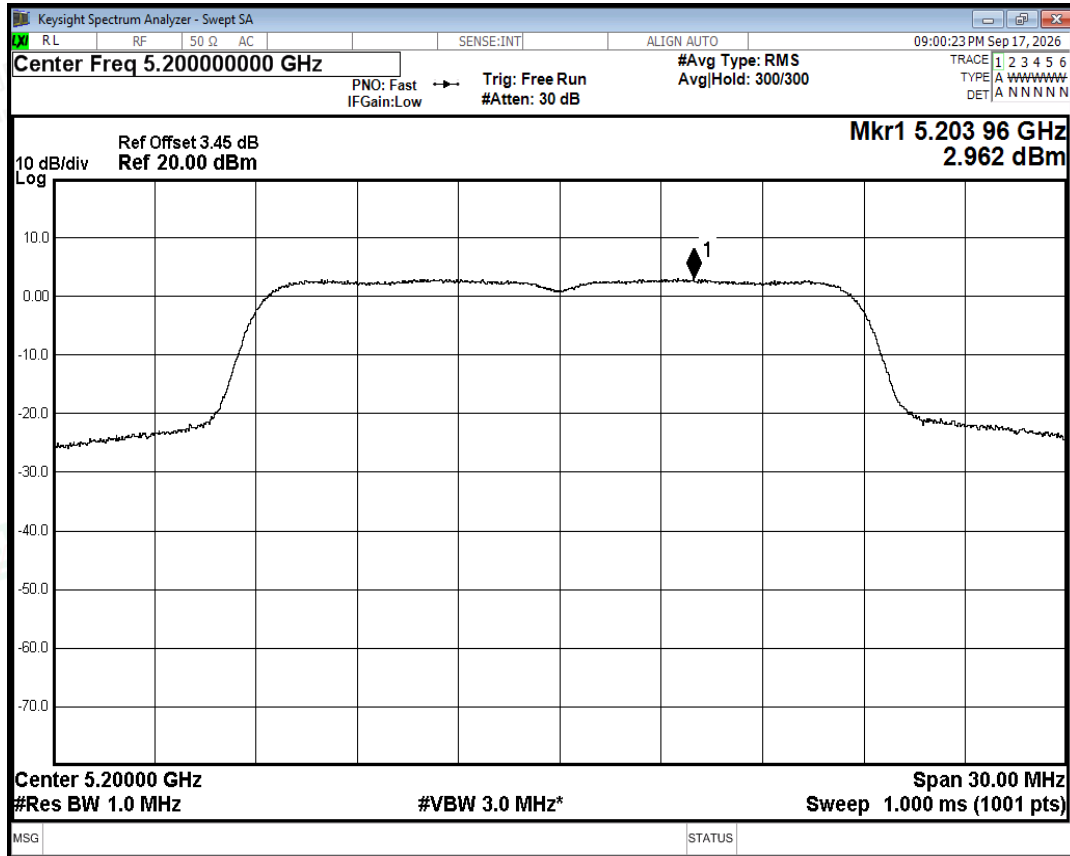
PSD NVNT a 5200MHz Ant1



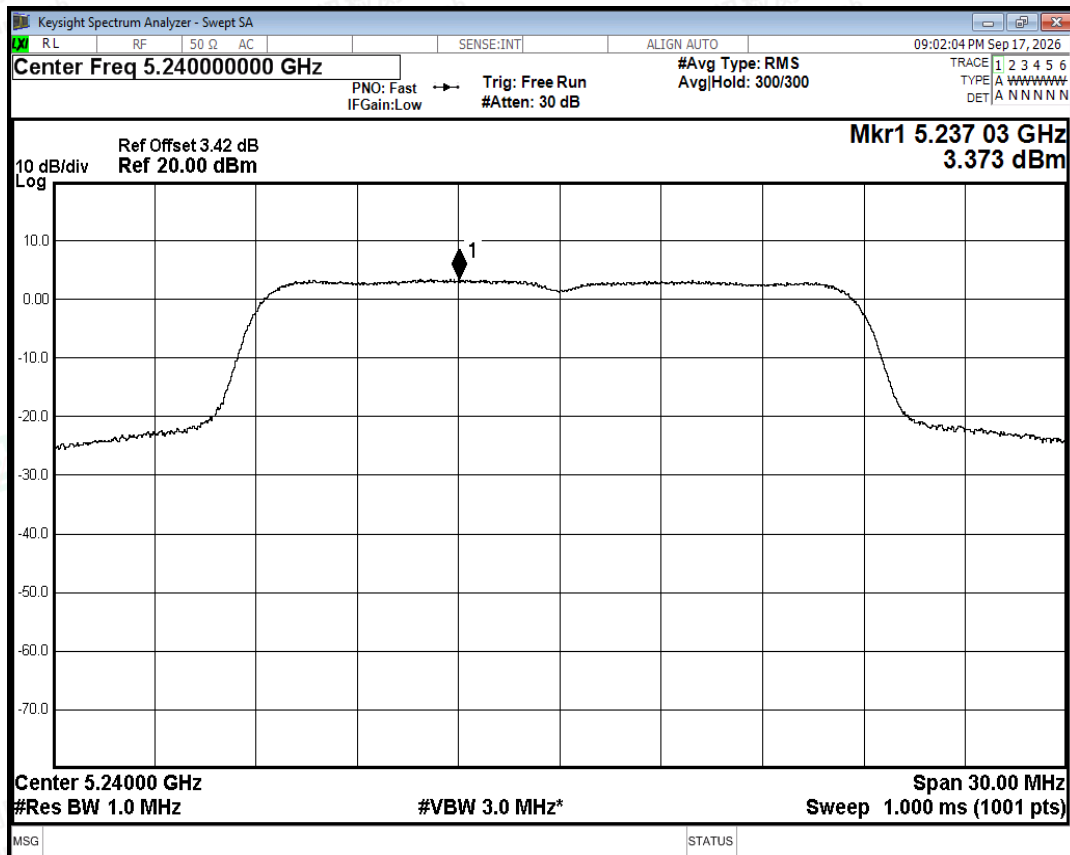
PSD NVNT a 5240MHz Ant1



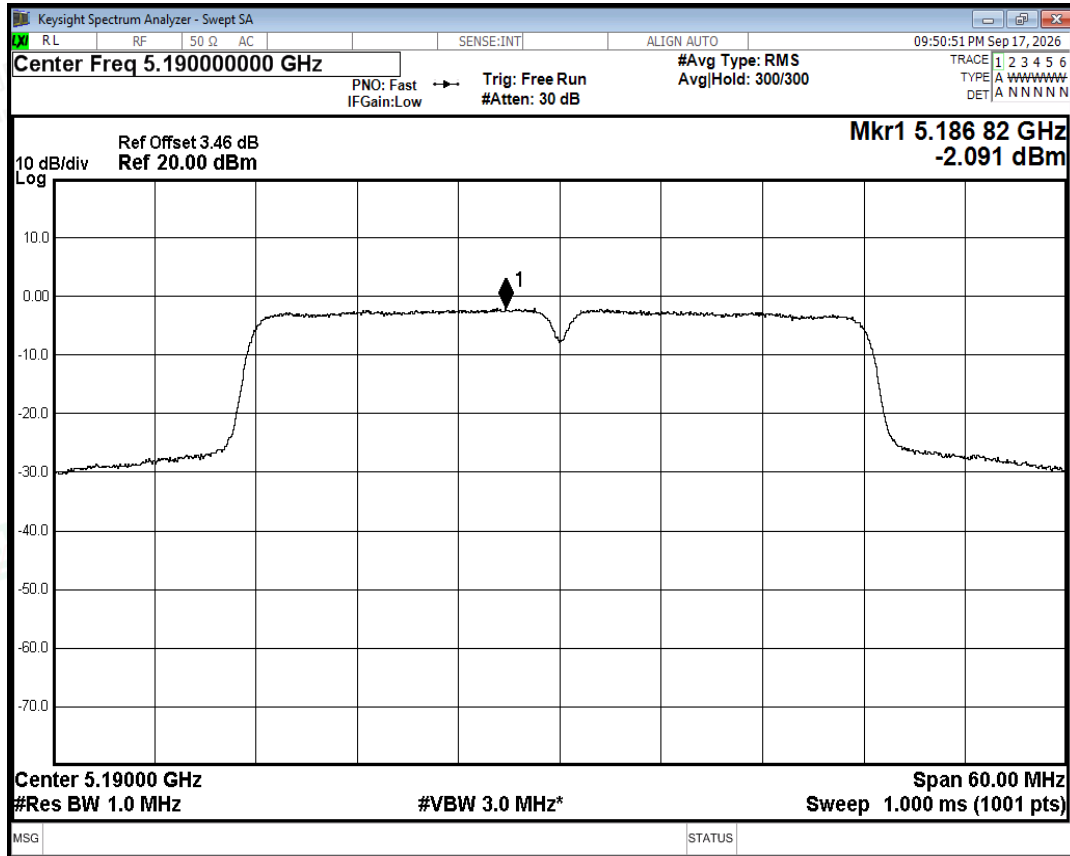
PSD NVNT n20 5180MHz Ant1



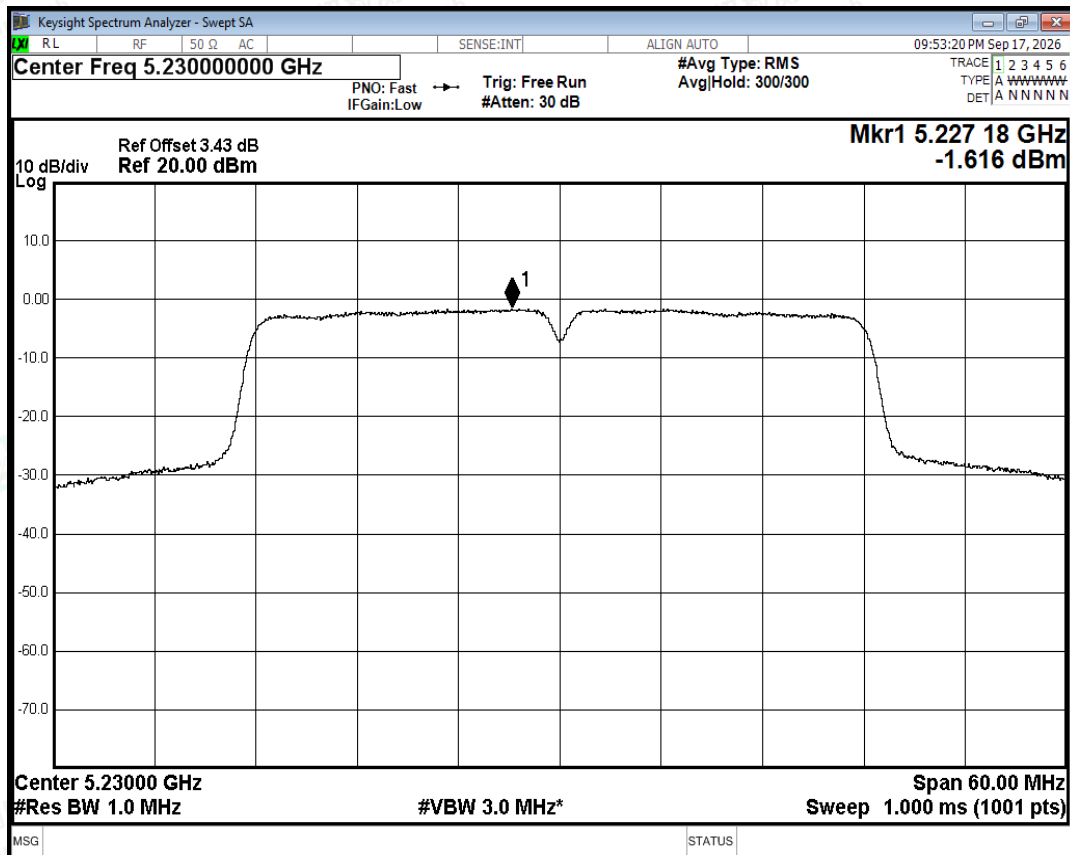
PSD NVNT n20 5200MHz Ant1



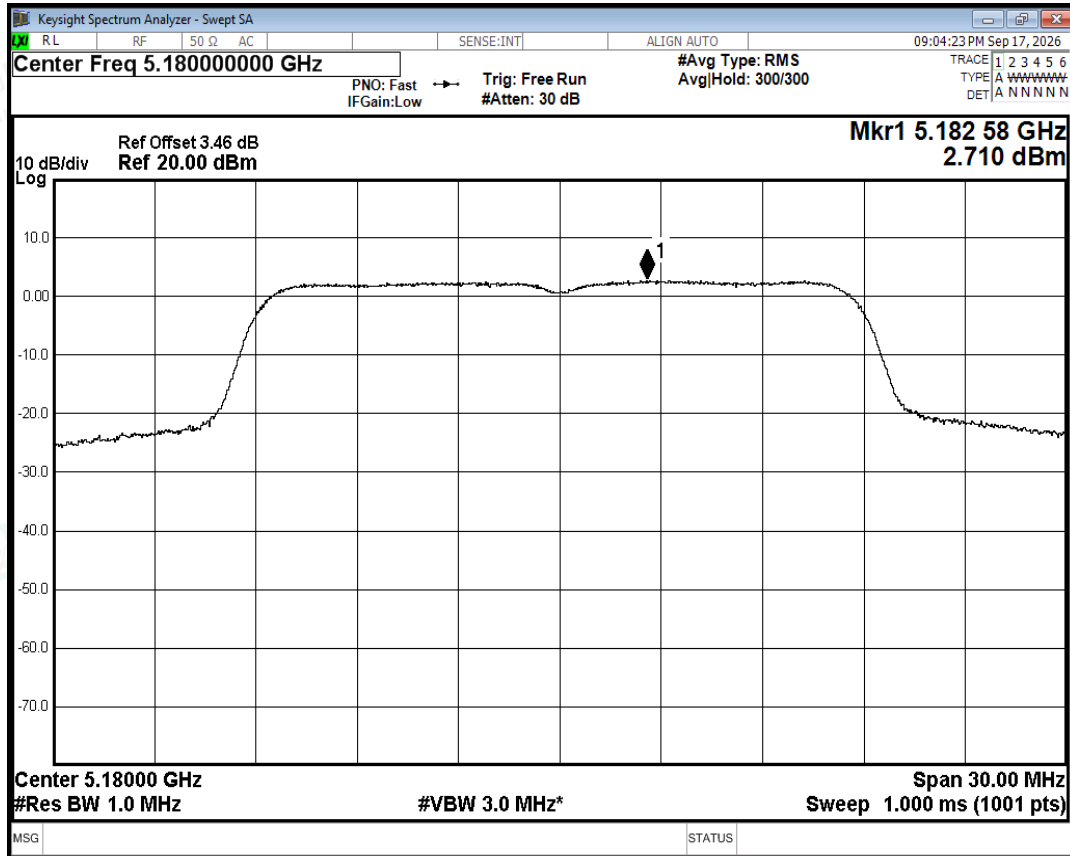
PSD NVNT n20 5240MHz Ant1



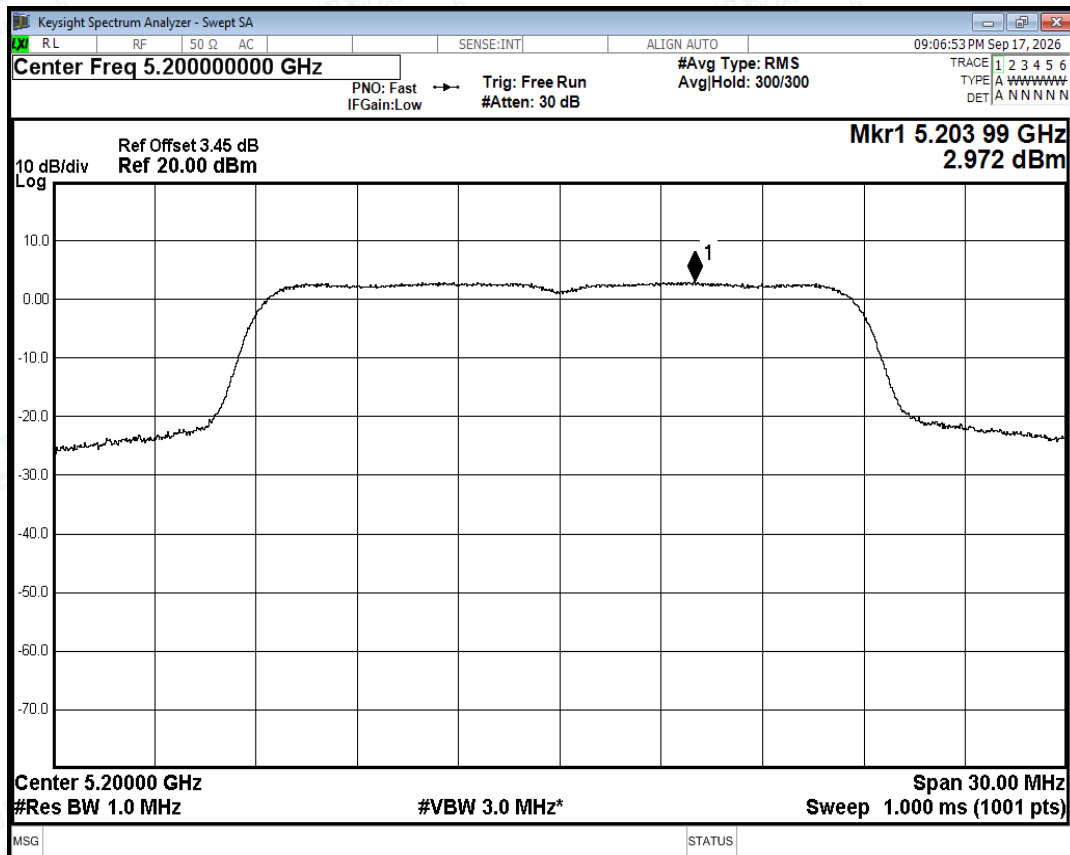
PSD NVNT n40 5190MHz Ant1



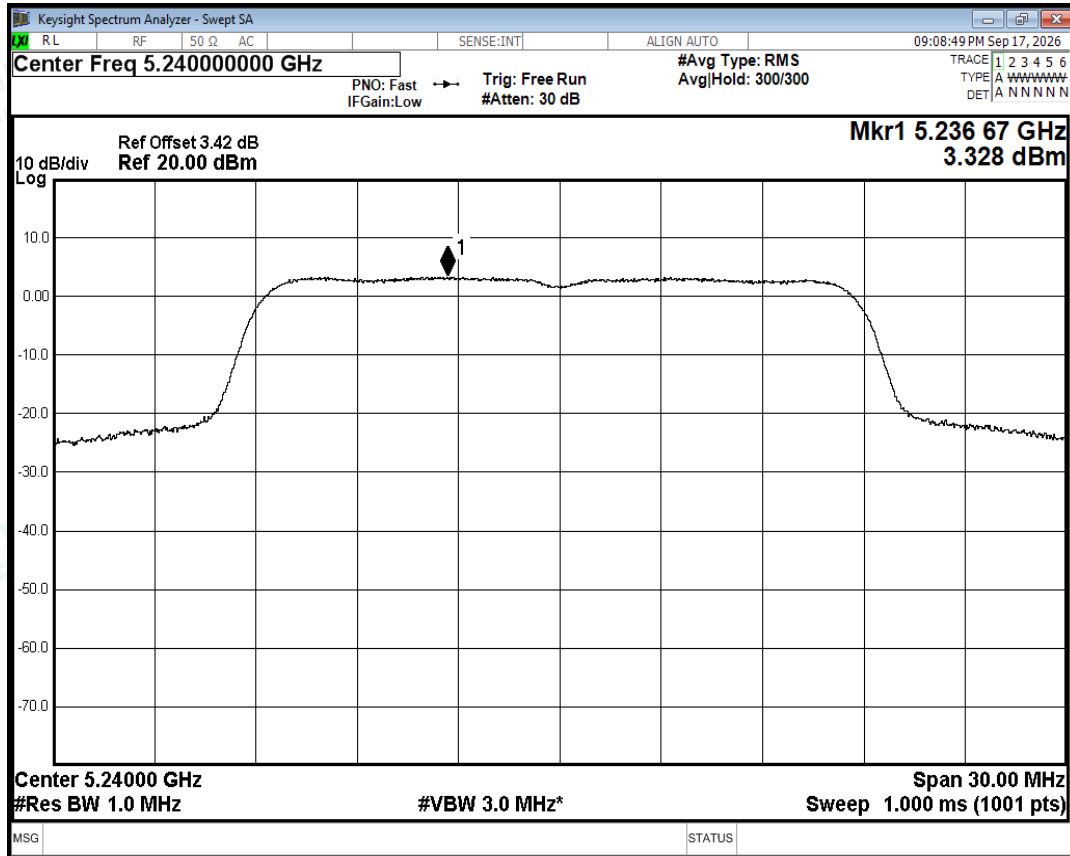
PSD NVNT n40 5230MHz Ant1



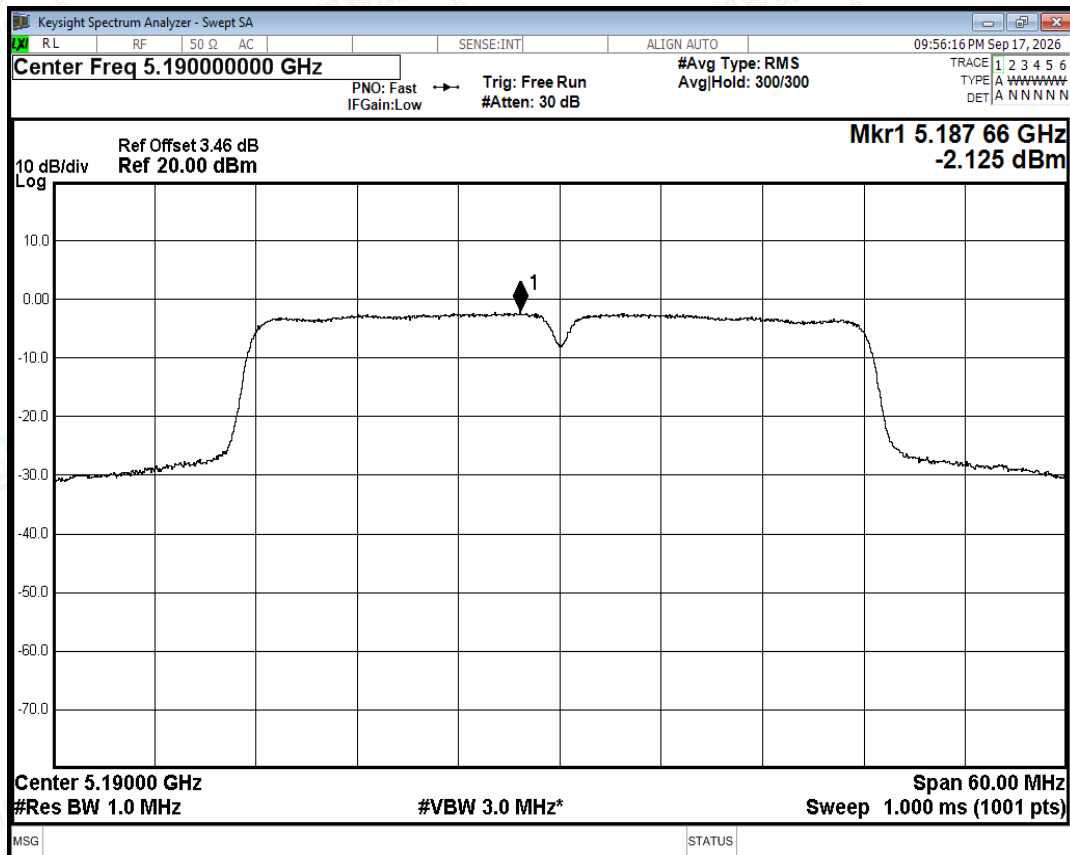
PSD NVNT ac20 5180MHz Ant1



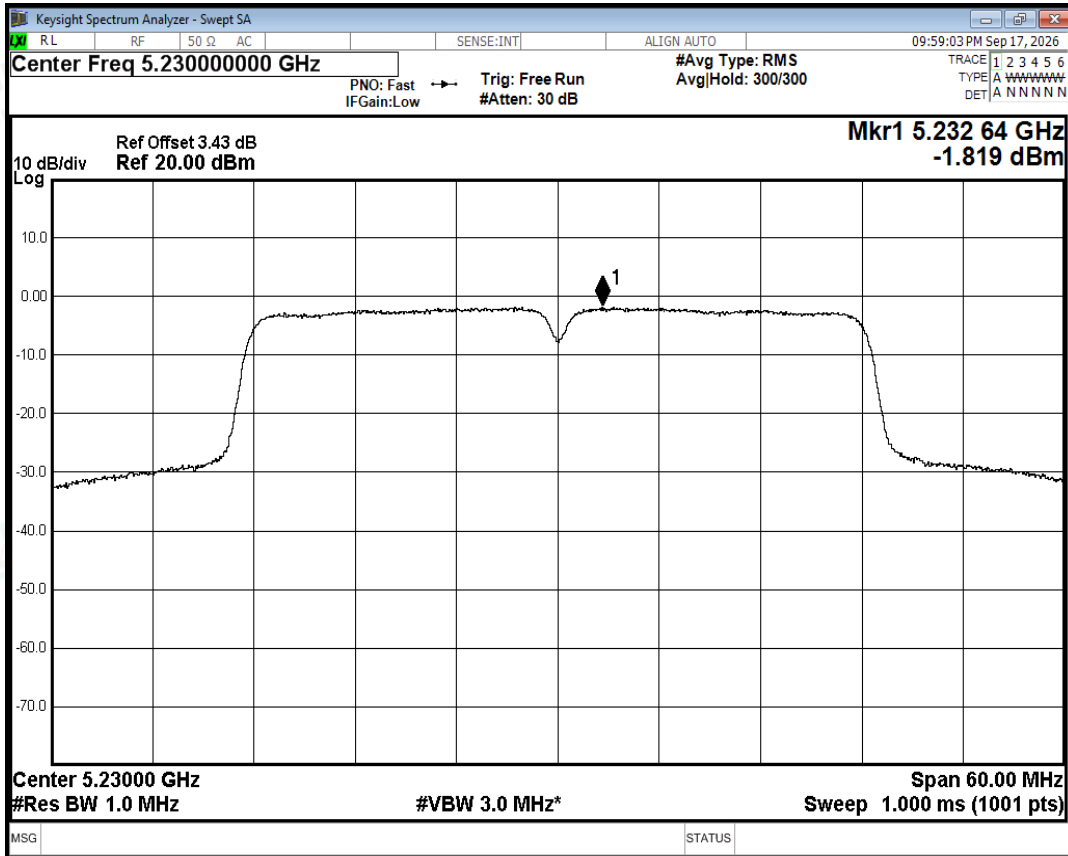
PSD NVNT ac20 5200MHz Ant1



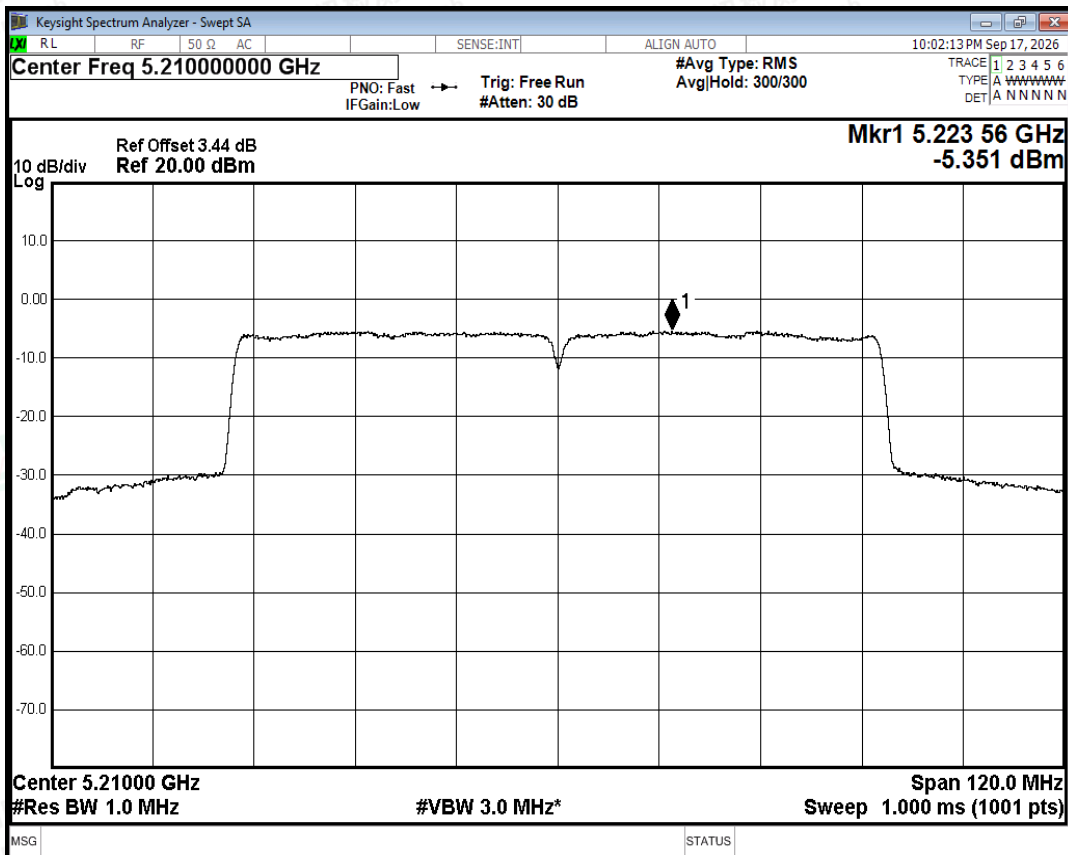
PSD NVNT ac20 5240MHz Ant1



PSD NVNT ac40 5190MHz Ant1



PSD NVNT ac40 5230MHz Ant1



PSD NVNT ac80 5210MHz Ant1

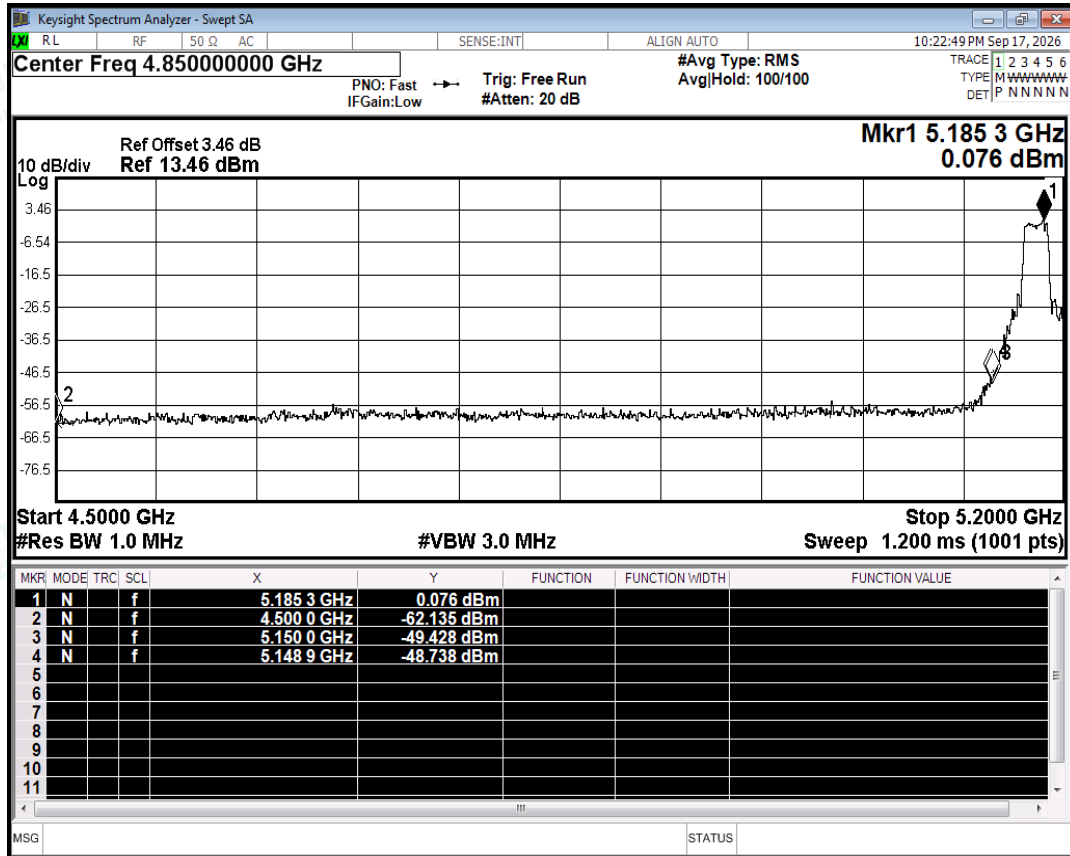


D.4 Restrict Band

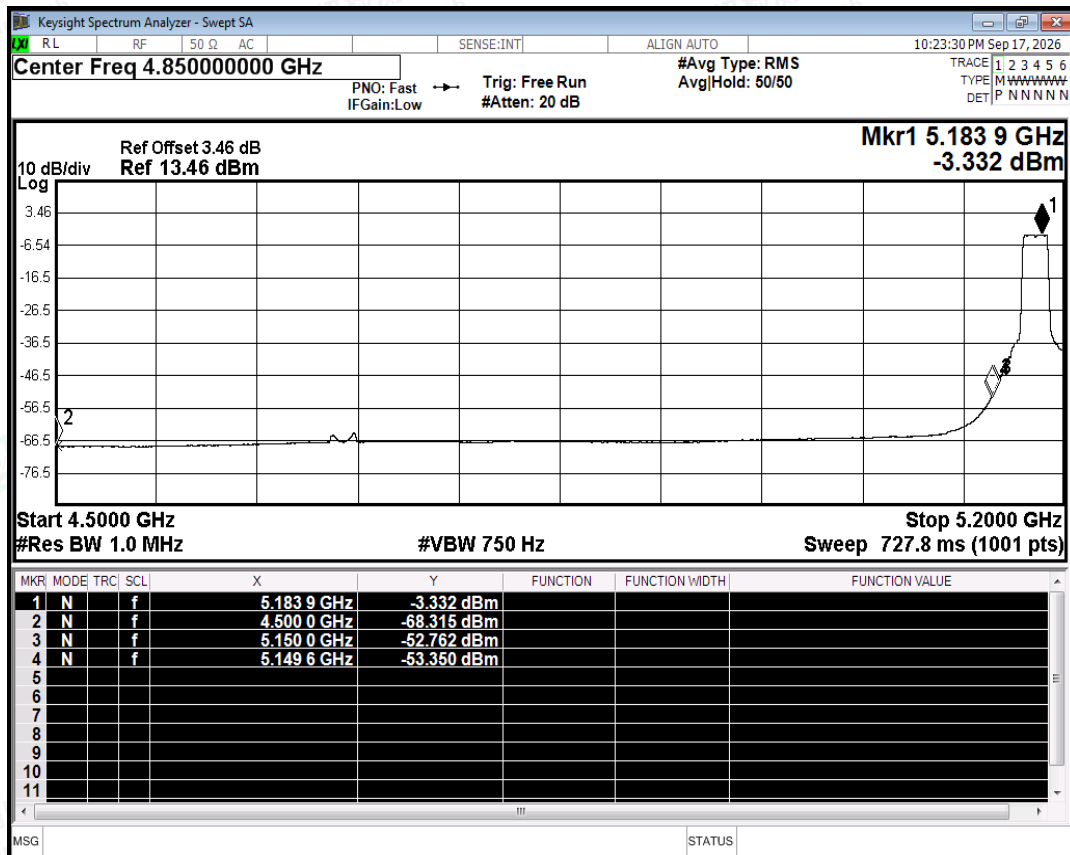
Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	a	5180	Ant1	4500	-62.13	2.97	36.07	Peak	68.2	Pass
NVNT	a	5180	Ant1	4500	-68.31	2.97	29.89	Average	54	Pass
NVNT	a	5180	Ant1	5148.9	-48.73	2.97	49.47	Peak	68.2	Pass
NVNT	a	5180	Ant1	5149.6	-53.34	2.97	44.86	Average	54	Pass
NVNT	a	5180	Ant1	5150	-49.42	2.97	48.78	Peak	68.2	Pass
NVNT	a	5180	Ant1	5150	-52.76	2.97	45.44	Average	54	Pass
NVNT	a	5240	Ant1	5350	-48.43	2.97	49.77	Peak	68.2	Pass
NVNT	a	5240	Ant1	5350	-56.96	2.97	41.24	Average	54	Pass
NVNT	a	5240	Ant1	5394.96	-46.74	2.97	51.46	Peak	68.2	Pass
NVNT	a	5240	Ant1	5440.56	-56.42	2.97	41.78	Average	54	Pass
NVNT	a	5240	Ant1	5460	-49.88	2.97	48.32	Peak	68.2	Pass
NVNT	a	5240	Ant1	5460	-56.54	2.97	41.66	Average	54	Pass
NVNT	n20	5180	Ant1	4500	-50.31	2.97	47.89	Peak	68.2	Pass
NVNT	n20	5180	Ant1	4500	-58.4	2.97	39.80	Average	54	Pass
NVNT	n20	5180	Ant1	5102	-46.11	2.97	52.09	Peak	68.2	Pass
NVNT	n20	5180	Ant1	5149.6	-54.08	2.97	44.12	Average	54	Pass
NVNT	n20	5180	Ant1	5150	-50.13	2.97	48.07	Peak	68.2	Pass
NVNT	n20	5180	Ant1	5150	-53.91	2.97	44.29	Average	54	Pass
NVNT	n20	5240	Ant1	5350	-49.82	2.97	48.38	Peak	68.2	Pass
NVNT	n20	5240	Ant1	5350	-56.82	2.97	41.38	Average	54	Pass
NVNT	n20	5240	Ant1	5395.68	-47.36	2.97	50.84	Peak	68.2	Pass
NVNT	n20	5240	Ant1	5413.2	-56.39	2.97	41.81	Average	54	Pass
NVNT	n20	5240	Ant1	5460	-50.68	2.97	47.52	Peak	68.2	Pass
NVNT	n20	5240	Ant1	5460	-56.62	2.97	41.58	Average	54	Pass
NVNT	n40	5190	Ant1	4500	-59.68	2.97	38.52	Peak	68.2	Pass
NVNT	n40	5190	Ant1	4500	-67.98	2.97	30.22	Average	54	Pass
NVNT	n40	5190	Ant1	5149.7	-45.68	2.97	52.52	Peak	68.2	Pass
NVNT	n40	5190	Ant1	5149.7	-53.26	2.97	44.94	Average	54	Pass
NVNT	n40	5190	Ant1	5150	-45.53	2.97	52.67	Peak	68.2	Pass
NVNT	n40	5190	Ant1	5150	-52.04	2.97	46.16	Average	54	Pass
NVNT	n40	5230	Ant1	5350	-50.88	2.97	47.32	Peak	68.2	Pass
NVNT	n40	5230	Ant1	5350	-56.69	2.97	41.51	Average	54	Pass
NVNT	n40	5230	Ant1	5376.3	-47.33	2.97	50.87	Peak	68.2	Pass
NVNT	n40	5230	Ant1	5422.74	-55.98	2.97	42.22	Average	54	Pass
NVNT	n40	5230	Ant1	5460	-50.17	2.97	48.03	Peak	68.2	Pass
NVNT	n40	5230	Ant1	5460	-56.36	2.97	41.84	Average	54	Pass
NVNT	ac20	5180	Ant1	4500	-52.5	2.97	45.70	Peak	68.2	Pass
NVNT	ac20	5180	Ant1	4500	-58.43	2.97	39.77	Average	54	Pass
NVNT	ac20	5180	Ant1	4962.7	-46.79	2.97	51.41	Peak	68.2	Pass
NVNT	ac20	5180	Ant1	5149.6	-53.81	2.97	44.39	Average	54	Pass



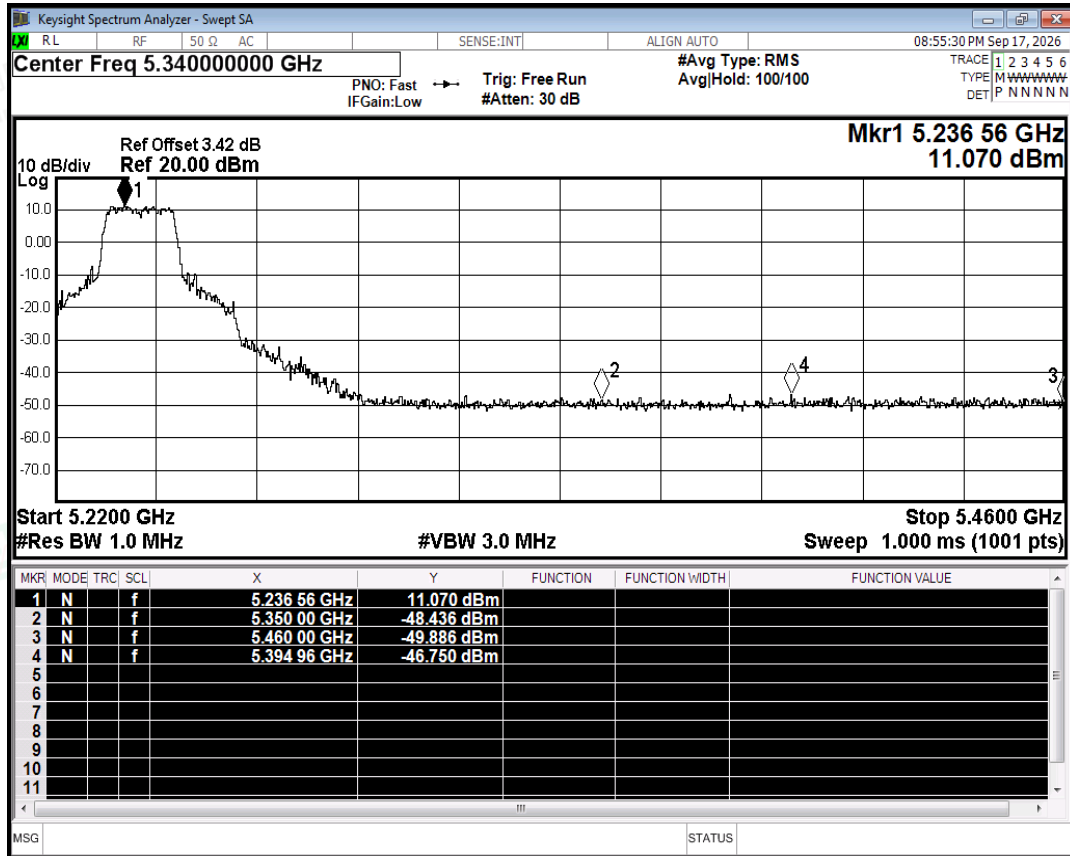
NVNT	ac20	5180	Ant1	5150	-47.16	2.97	51.04	Peak	68.2	Pass
NVNT	ac20	5180	Ant1	5150	-53.28	2.97	44.92	Average	54	Pass
NVNT	ac20	5240	Ant1	5350	-51.36	2.97	46.84	Peak	68.2	Pass
NVNT	ac20	5240	Ant1	5350	-56.81	2.97	41.39	Average	54	Pass
NVNT	ac20	5240	Ant1	5410.32	-46.18	2.97	52.02	Peak	68.2	Pass
NVNT	ac20	5240	Ant1	5448.48	-56.29	2.97	41.91	Average	54	Pass
NVNT	ac20	5240	Ant1	5460	-48.63	2.97	49.57	Peak	68.2	Pass
NVNT	ac20	5240	Ant1	5460	-56.68	2.97	41.52	Average	54	Pass
NVNT	ac40	5190	Ant1	4500	-51.73	2.97	46.47	Peak	68.2	Pass
NVNT	ac40	5190	Ant1	4500	-58.29	2.97	39.91	Average	54	Pass
NVNT	ac40	5190	Ant1	5145.32	-46.38	2.97	51.82	Peak	68.2	Pass
NVNT	ac40	5190	Ant1	5148.97	-51.12	2.97	47.08	Average	54	Pass
NVNT	ac40	5190	Ant1	5150	-46.91	2.97	51.29	Peak	68.2	Pass
NVNT	ac40	5190	Ant1	5150	-51.68	2.97	46.52	Average	54	Pass
NVNT	ac40	5230	Ant1	5350	-48.75	2.97	49.45	Peak	68.2	Pass
NVNT	ac40	5230	Ant1	5350	-56.58	2.97	41.62	Average	54	Pass
NVNT	ac40	5230	Ant1	5409.51	-47.62	2.97	50.58	Peak	68.2	Pass
NVNT	ac40	5230	Ant1	5423.82	-55.87	2.97	42.33	Average	54	Pass
NVNT	ac40	5230	Ant1	5460	-49.97	2.97	48.23	Peak	68.2	Pass
NVNT	ac40	5230	Ant1	5460	-56.51	2.97	41.69	Average	54	Pass
NVNT	ac80	5210	Ant1	5350	-47.19	2.97	51.01	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	5350	-52.47	2.97	45.73	Average	54	Pass
NVNT	ac80	5210	Ant1	5356.05	-43.8	2.97	54.40	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	5351.76	-52.15	2.97	46.05	Average	54	Pass
NVNT	ac80	5210	Ant1	5460	-50.07	2.97	48.13	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	5460	-55.96	2.97	42.24	Average	54	Pass
NVNT	ac80	5210	Ant1	4500	-50.8	2.97	47.40	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	4500	-57.74	2.97	40.46	Average	54	Pass
NVNT	ac80	5210	Ant1	5147.8	-44.93	2.97	53.27	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	5139.9	-52.55	2.97	45.65	Average	54	Pass
NVNT	ac80	5210	Ant1	5150	-48.73	2.97	49.47	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	5150	-53.33	2.97	44.87	Average	54	Pass



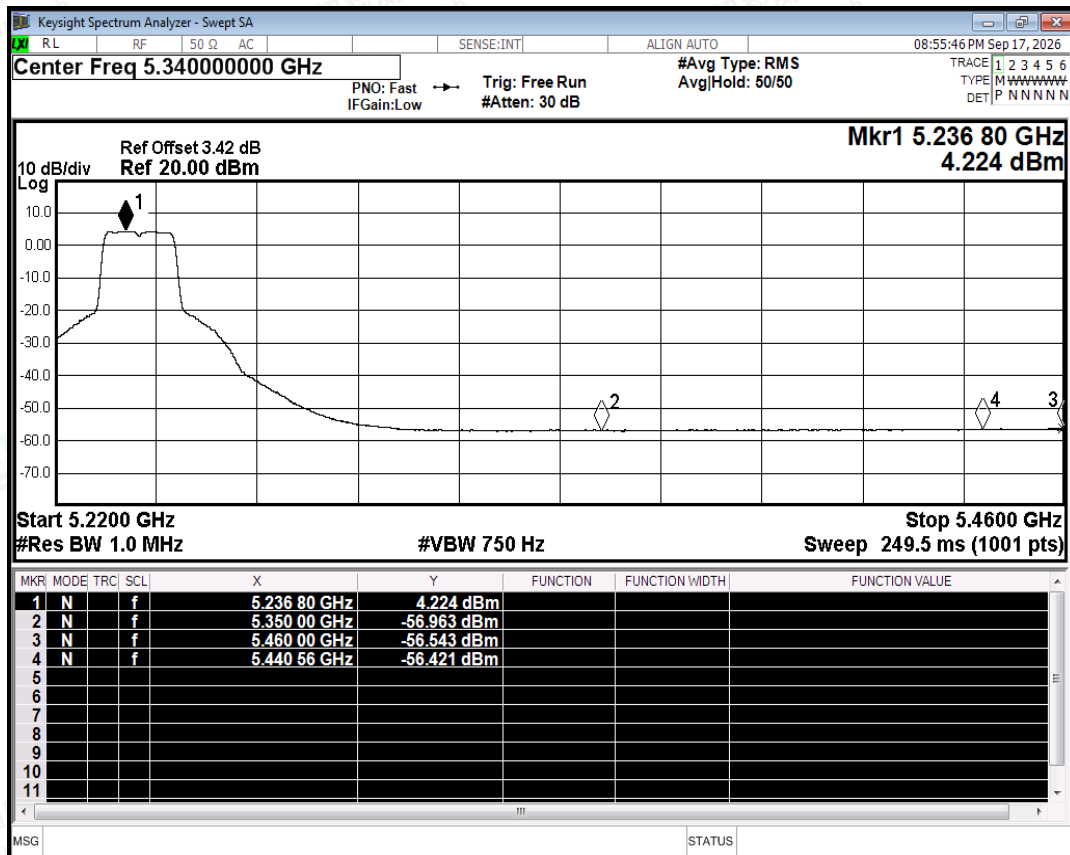
Restrict Band NVNT a 5180MHz Ant1 Peak



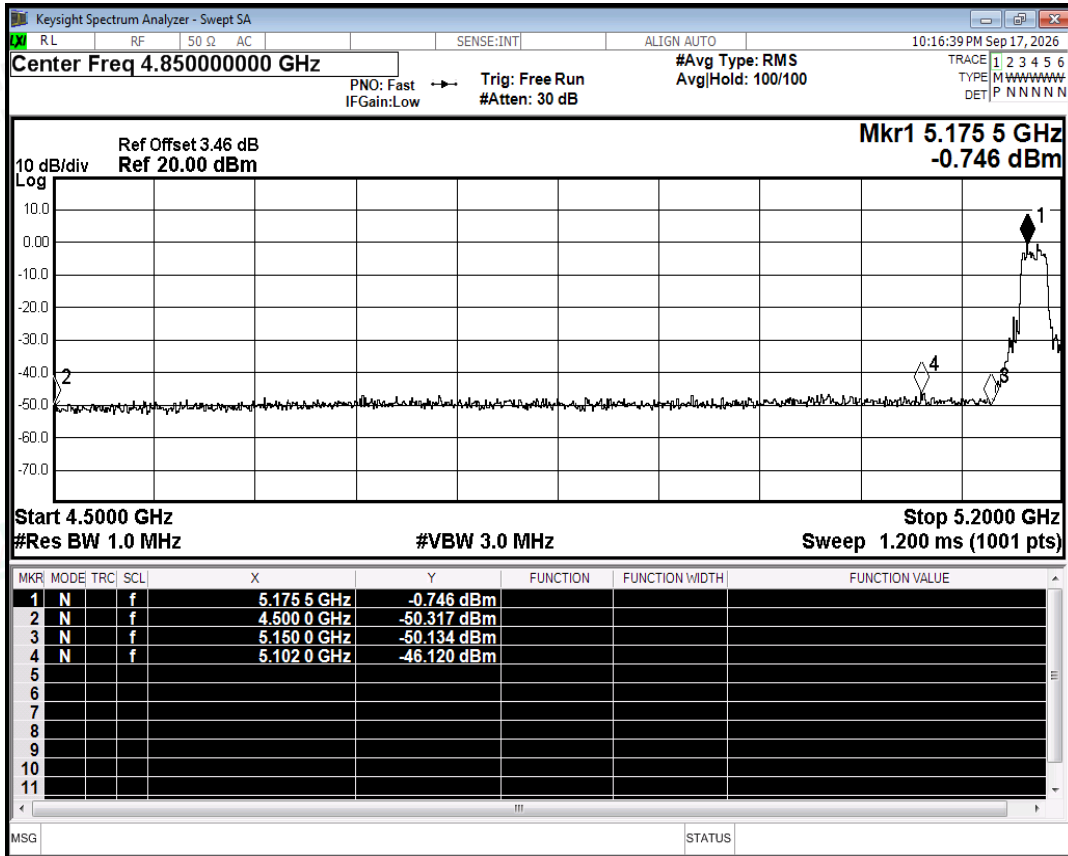
Restrict Band NVNT a 5180MHz Ant1 Average



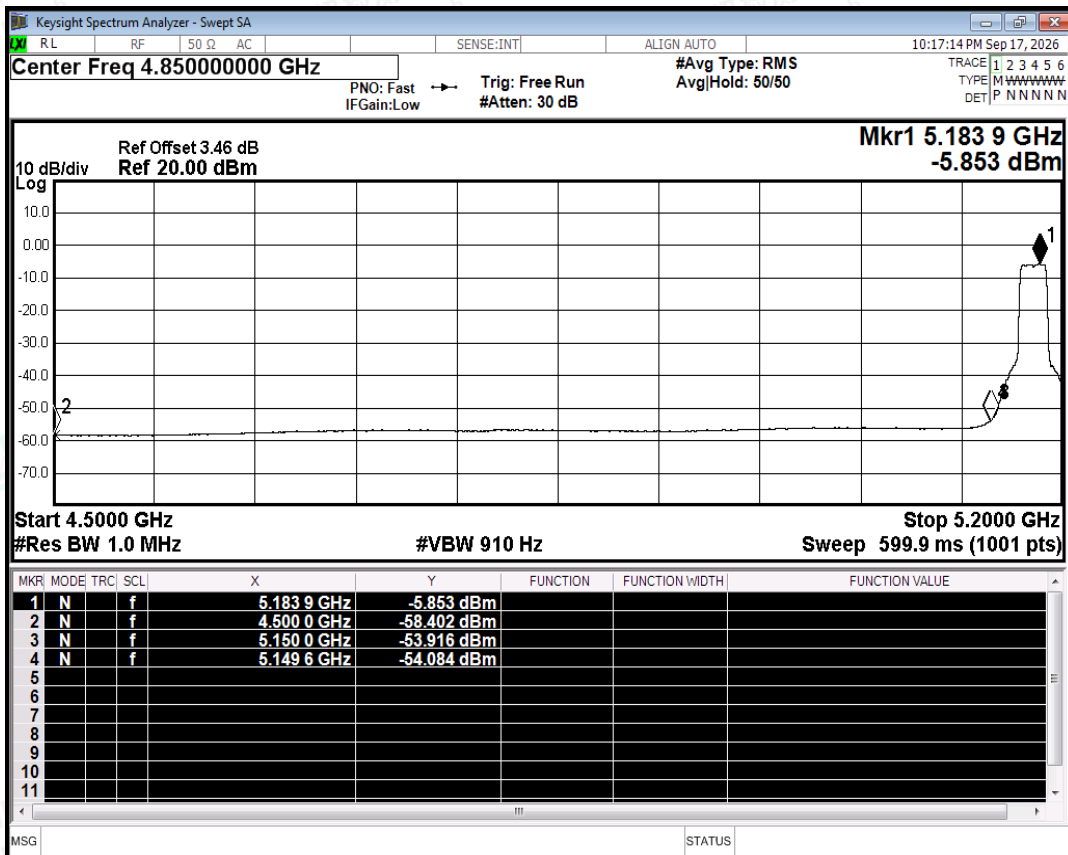
Restrict Band NVNT a 5240MHz Ant1 Peak



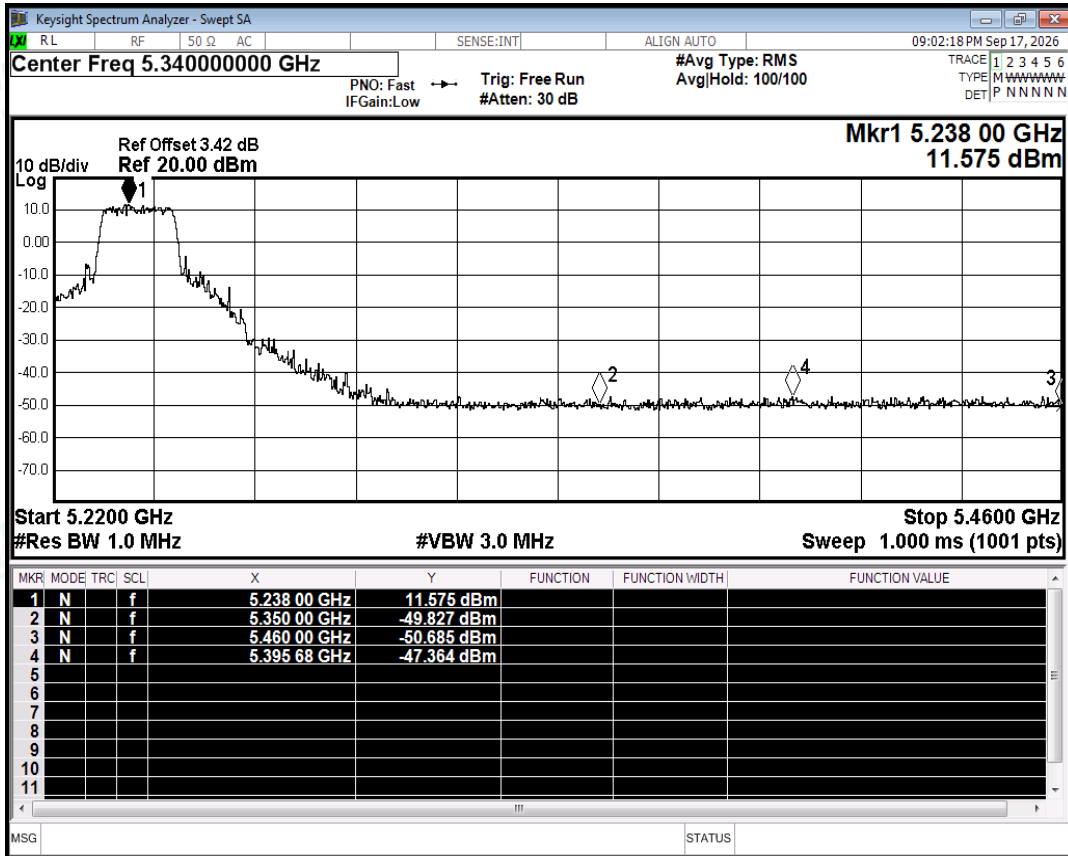
Restrict Band NVNT a 5240MHz Ant1 Average



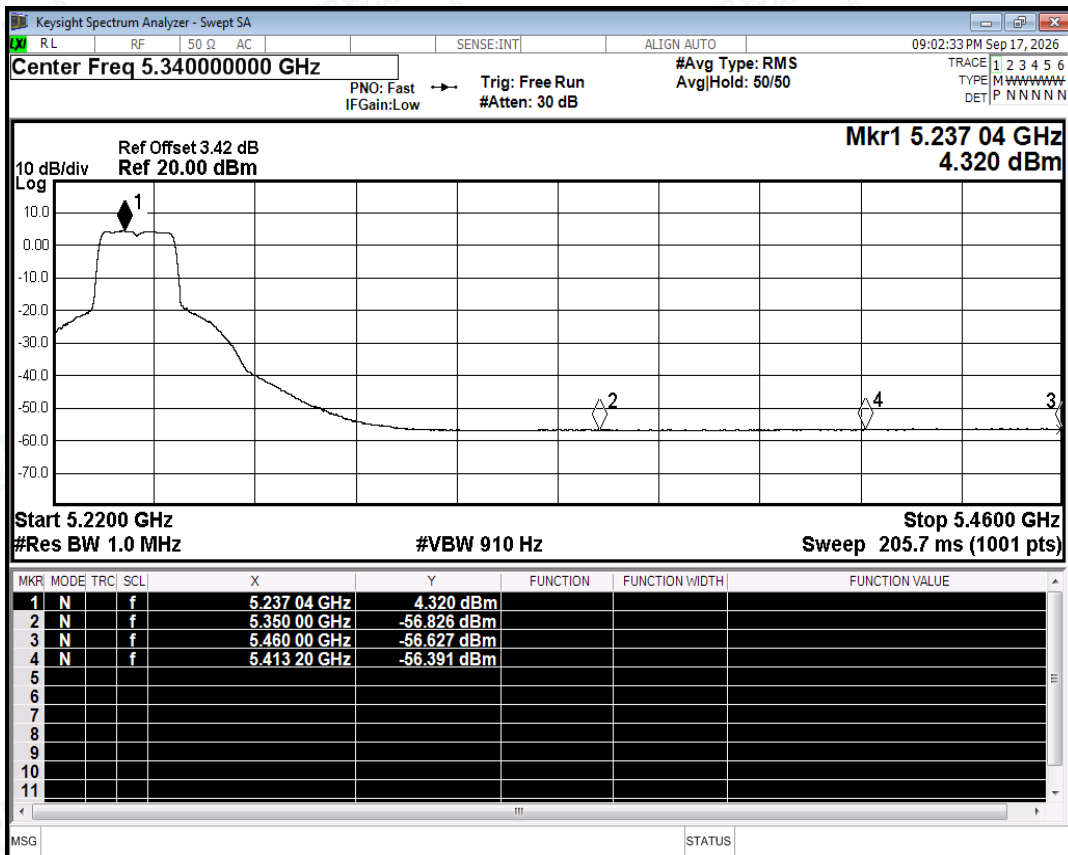
Restrict Band NVNT n20 5180MHz Ant1 Peak



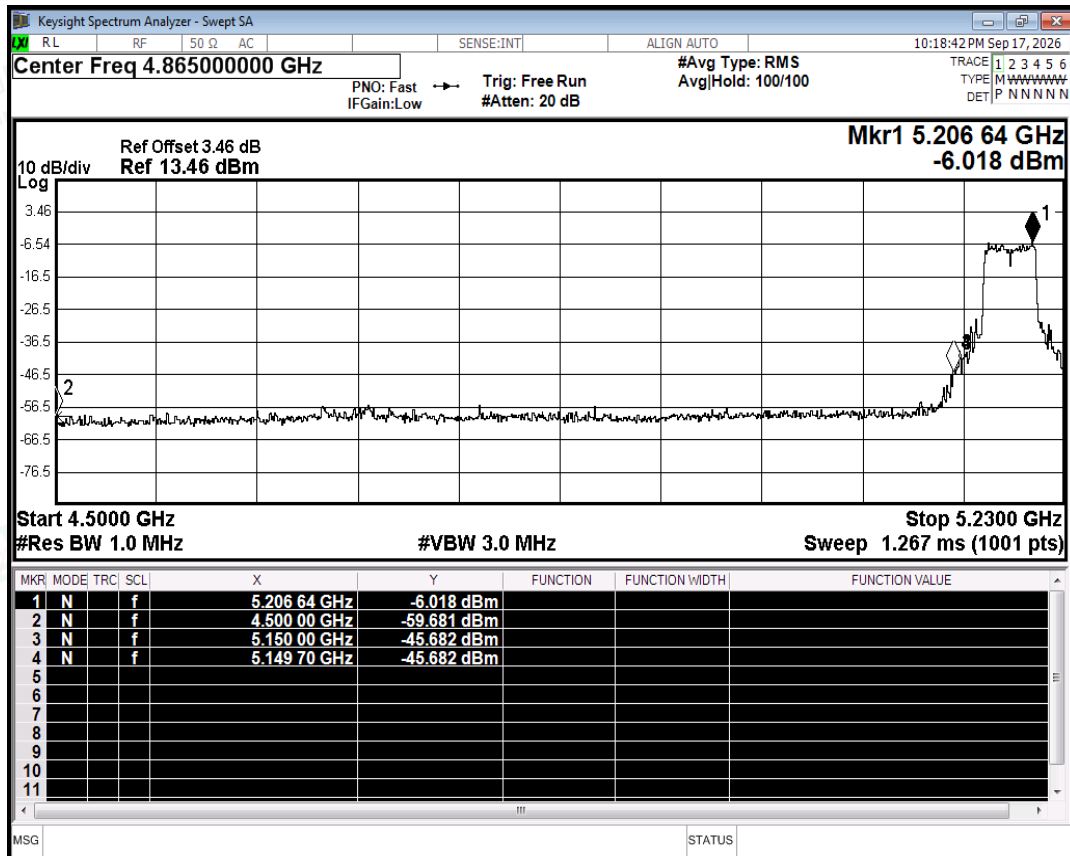
Restrict Band NVNT n20 5180MHz Ant1 Average



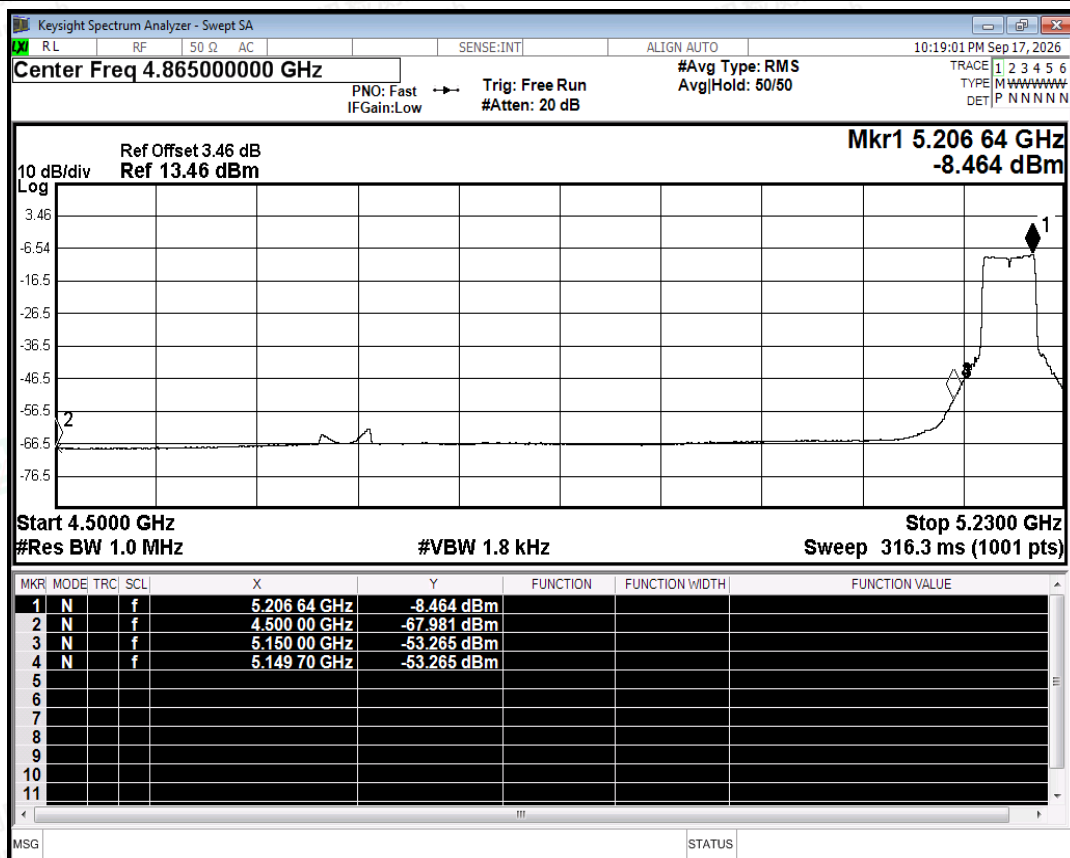
Restrict Band NVNT n20 5240MHz Ant1 Peak



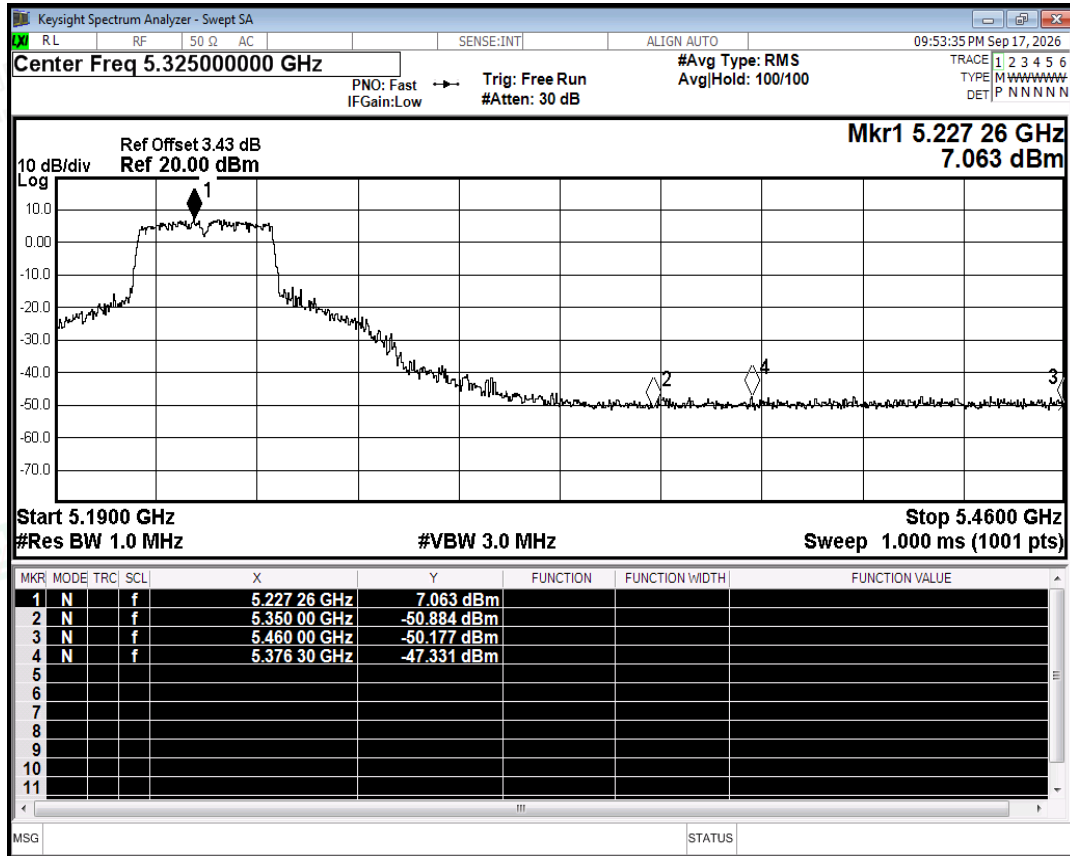
Restrict Band NVNT n20 5240MHz Ant1 Average



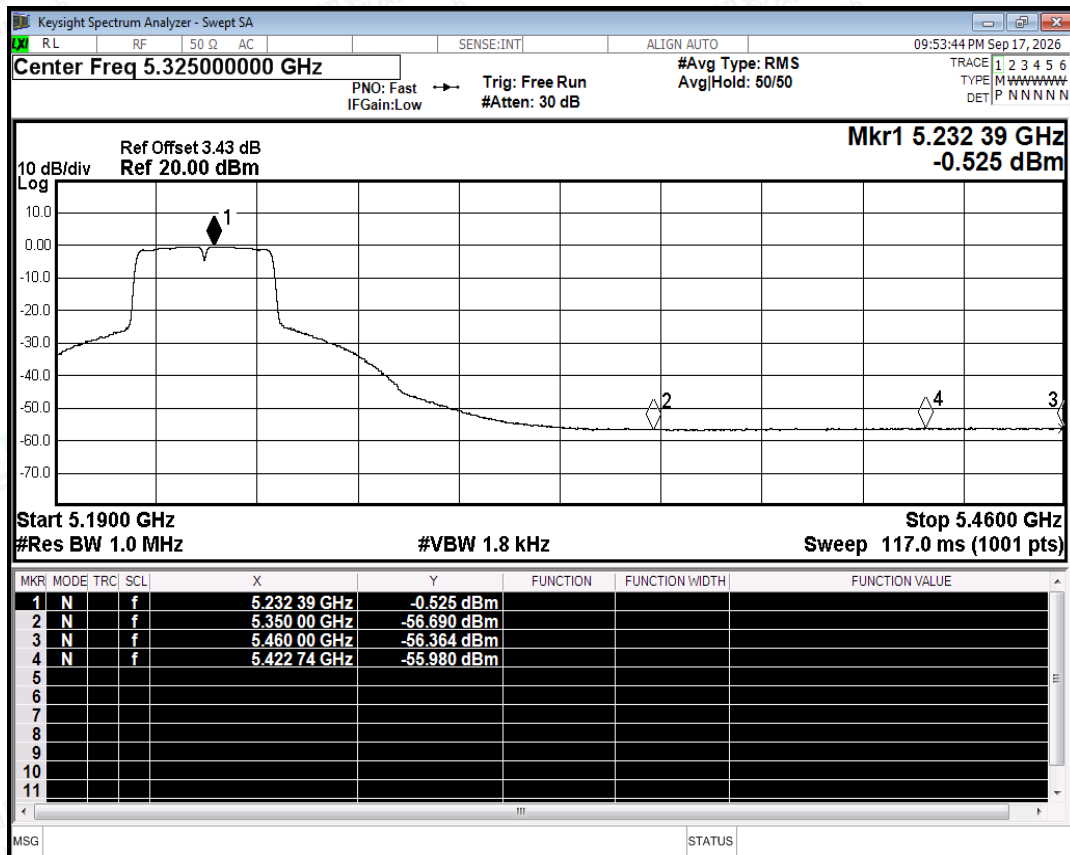
Restrict Band NVNT n40 5190MHz Ant1 Peak



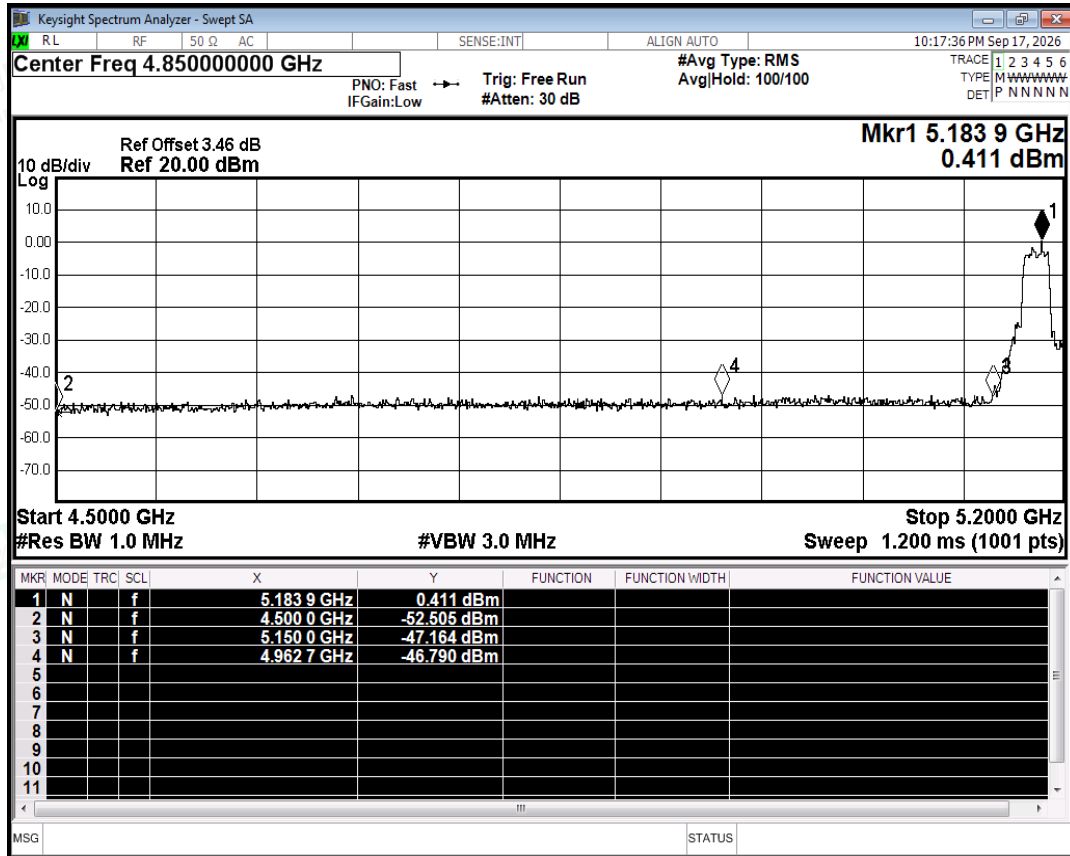
Restrict Band NVNT n40 5190MHz Ant1 Average



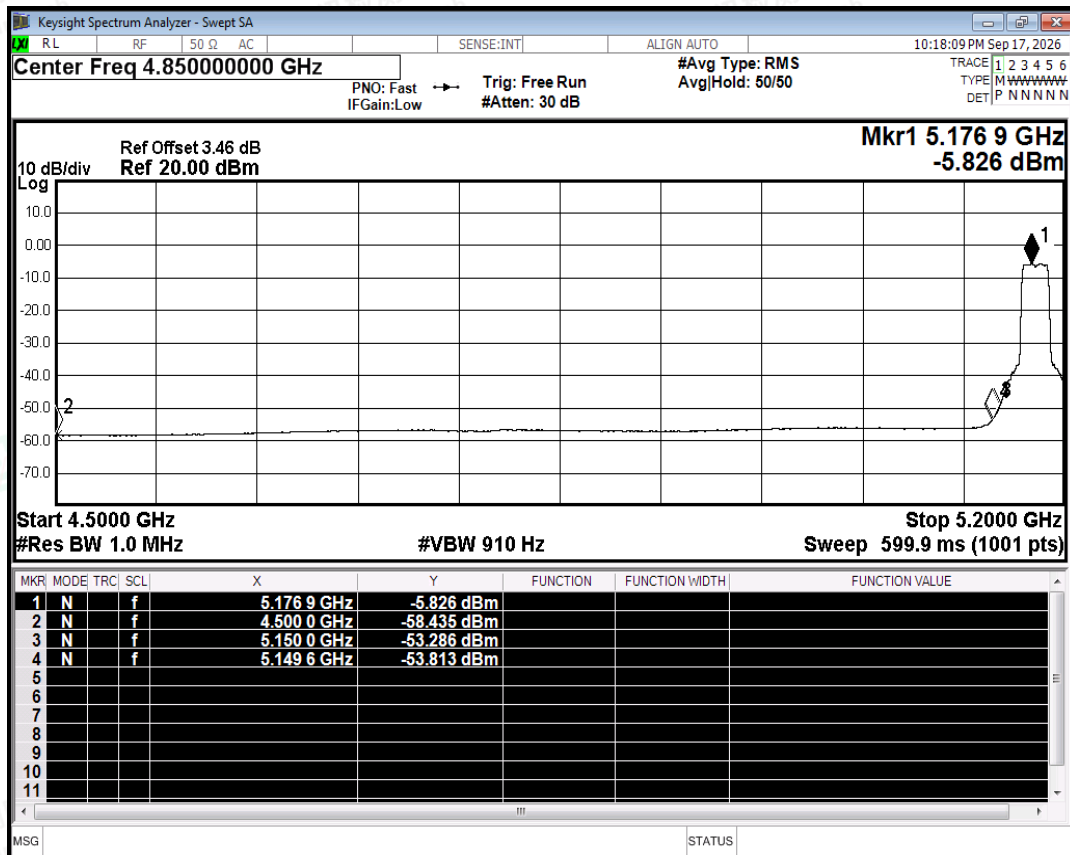
Restrict Band NVNT n40 5230MHz Ant1 Peak



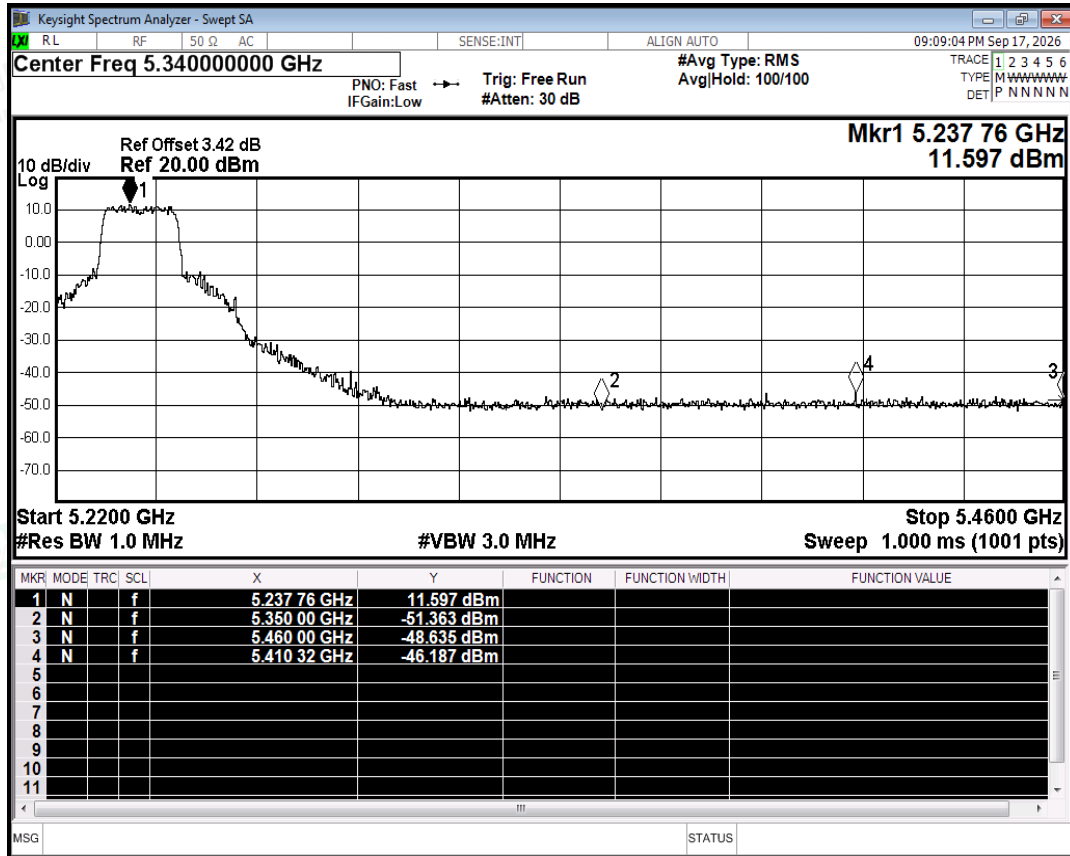
Restrict Band NVNT n40 5230MHz Ant1 Average



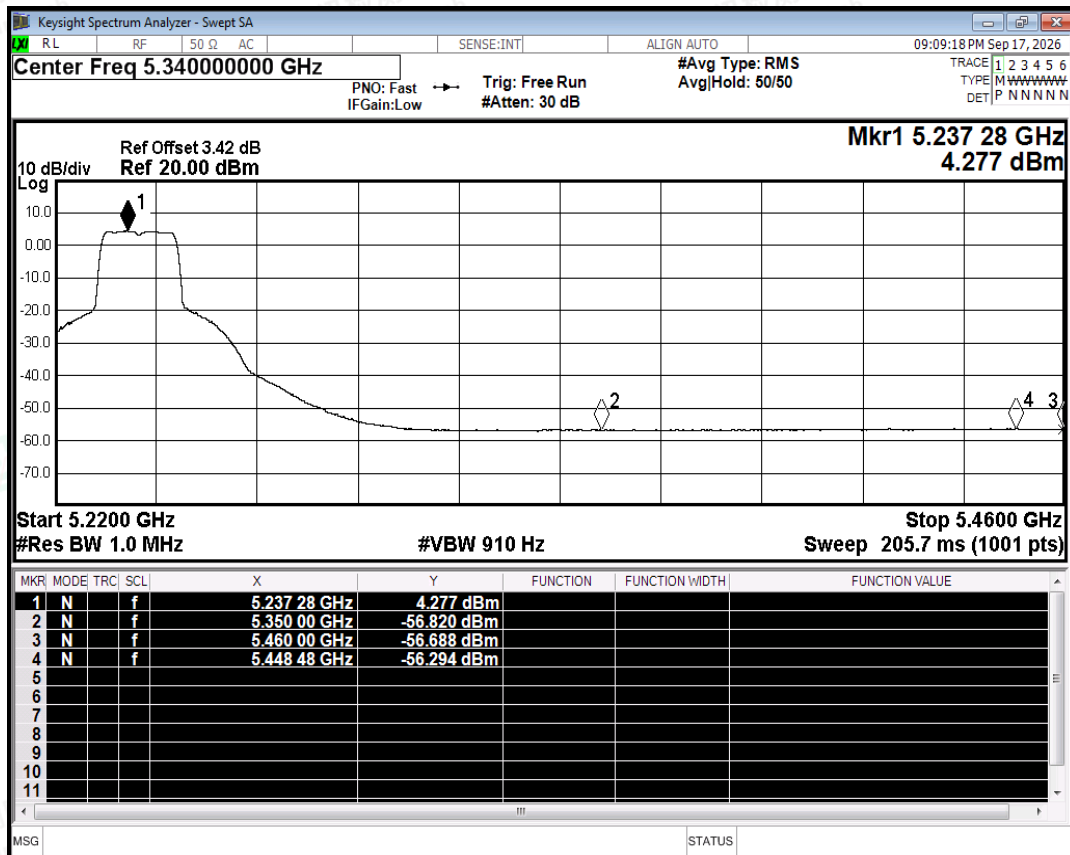
Restrict Band NVNT ac20 5180MHz Ant1 Peak



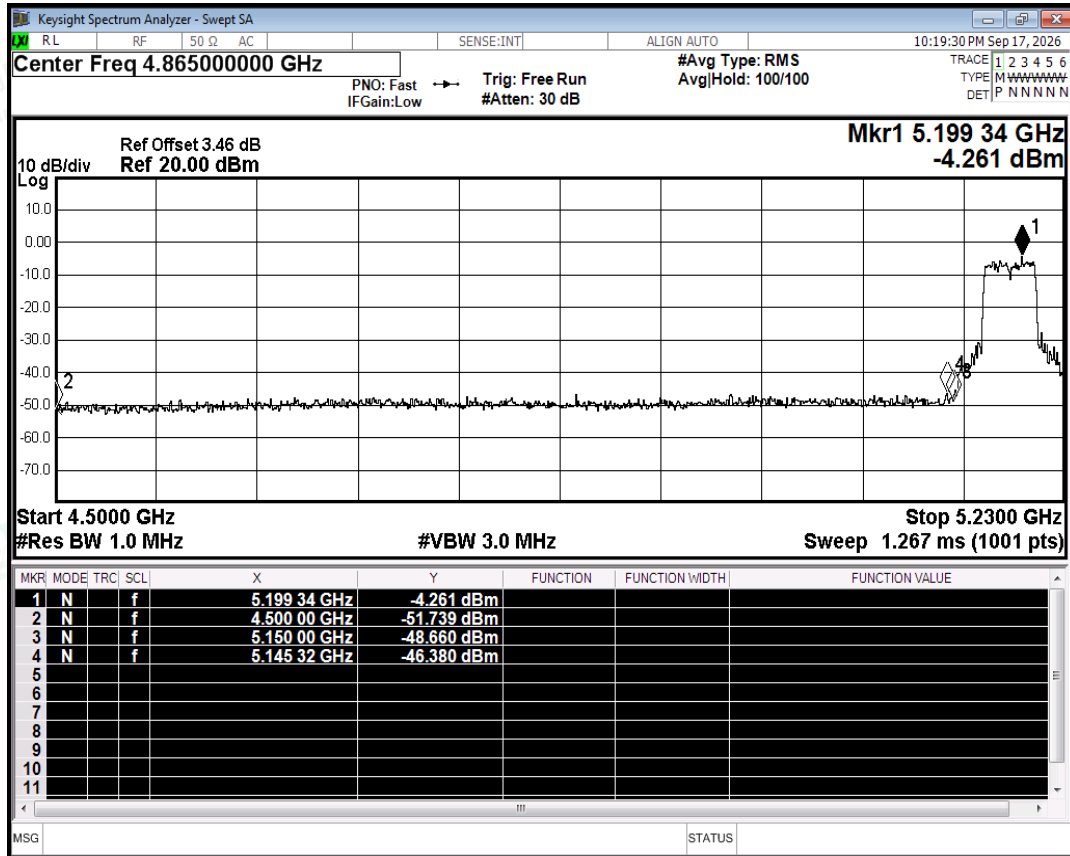
Restrict Band NVNT ac20 5180MHz Ant1 Average



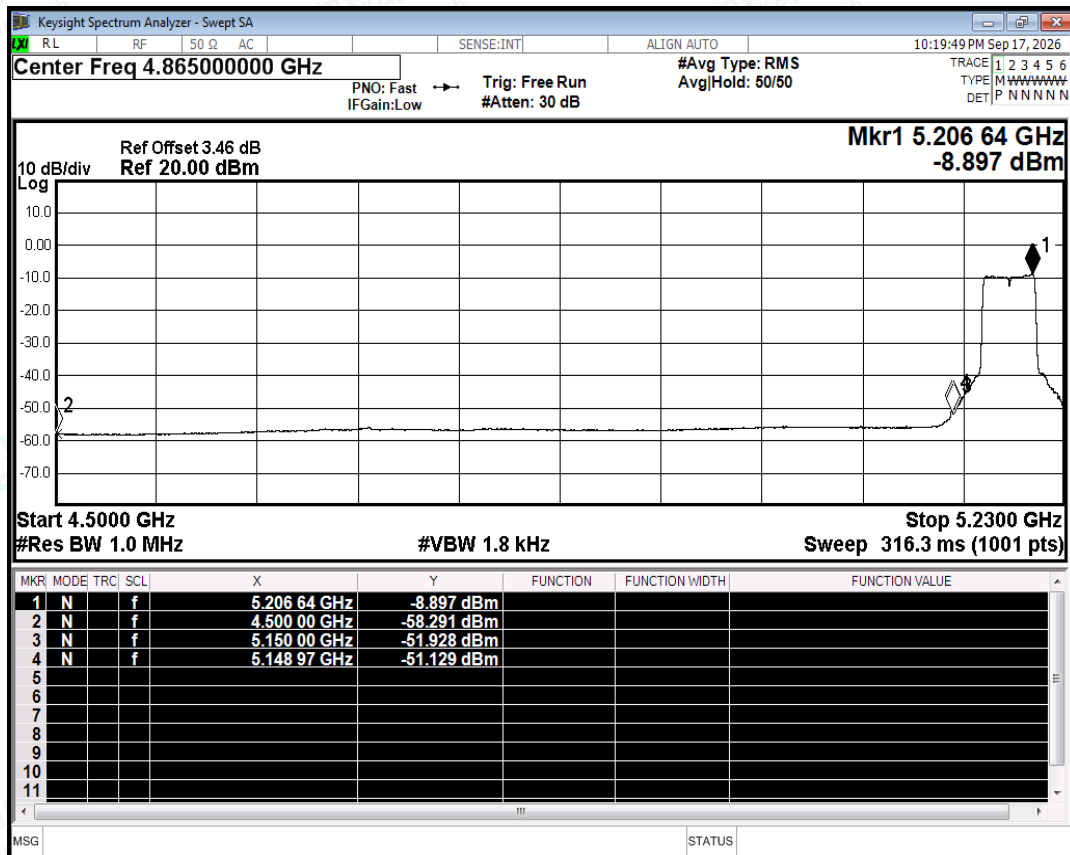
Restrict Band NVNT ac20 5240MHz Ant1 Peak



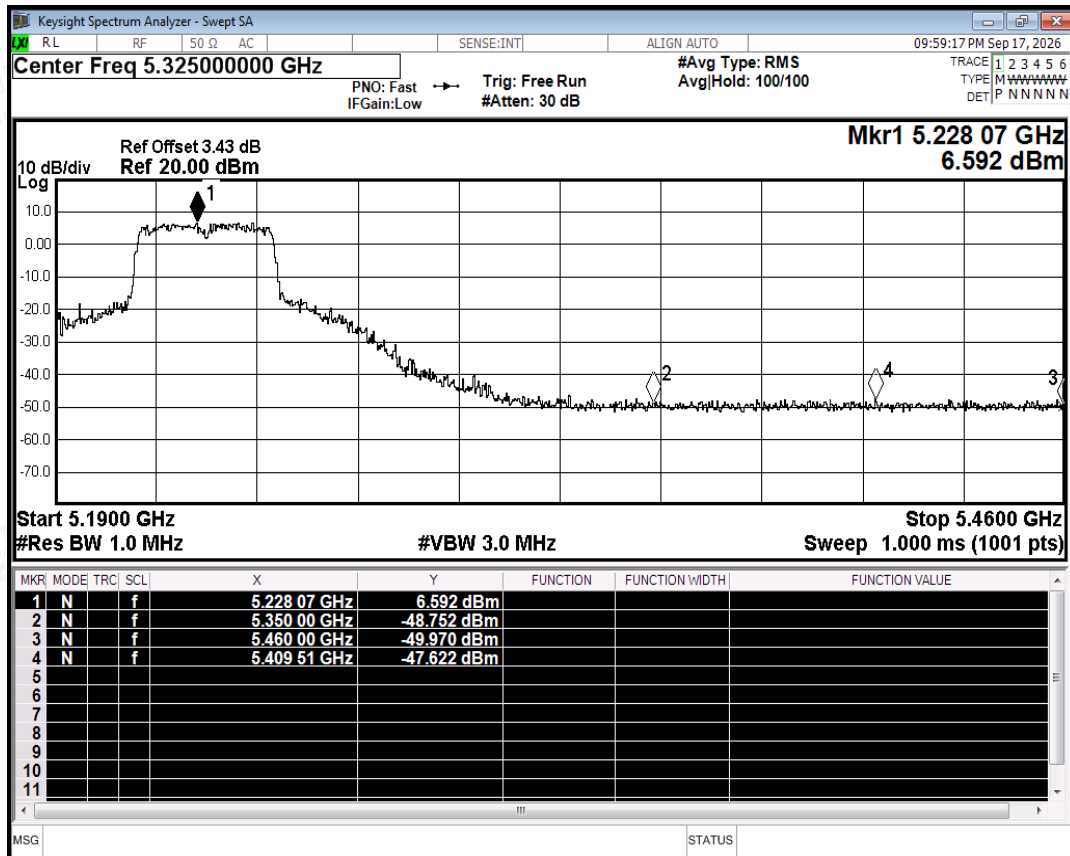
Restrict Band NVNT ac20 5240MHz Ant1 Average



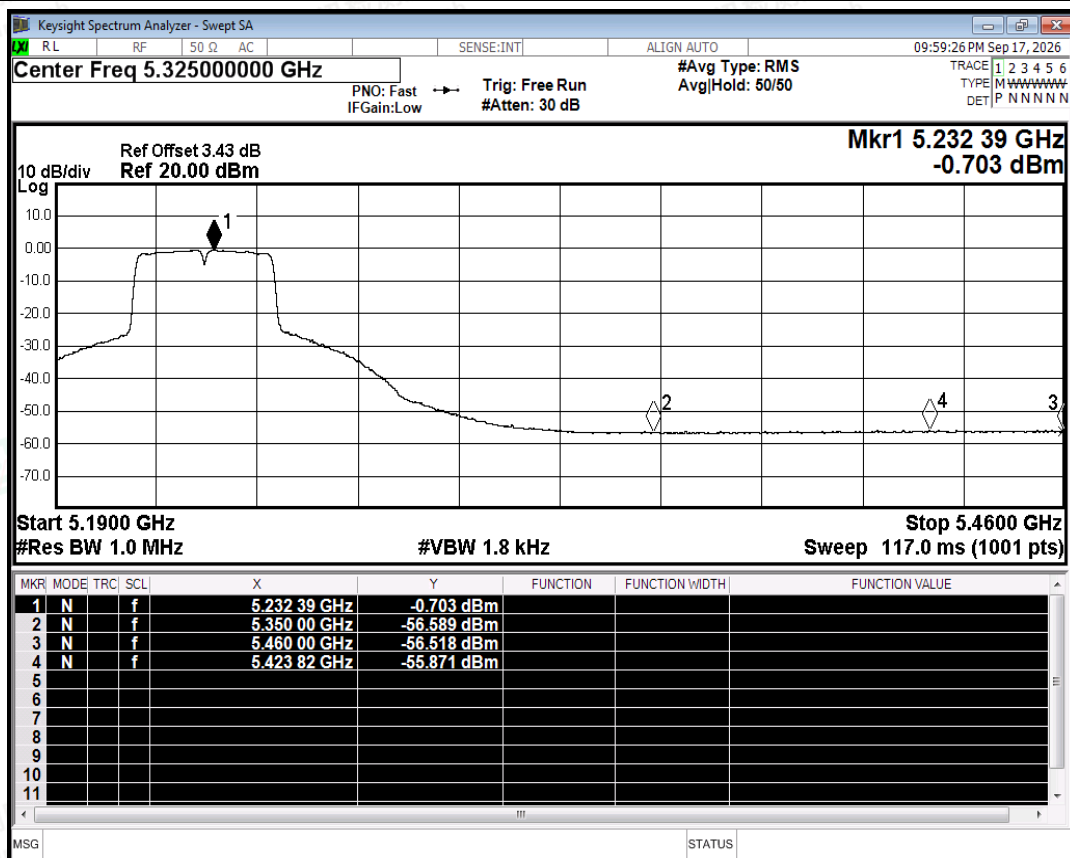
Restrict Band NVNT ac40 5190MHz Ant1 Peak



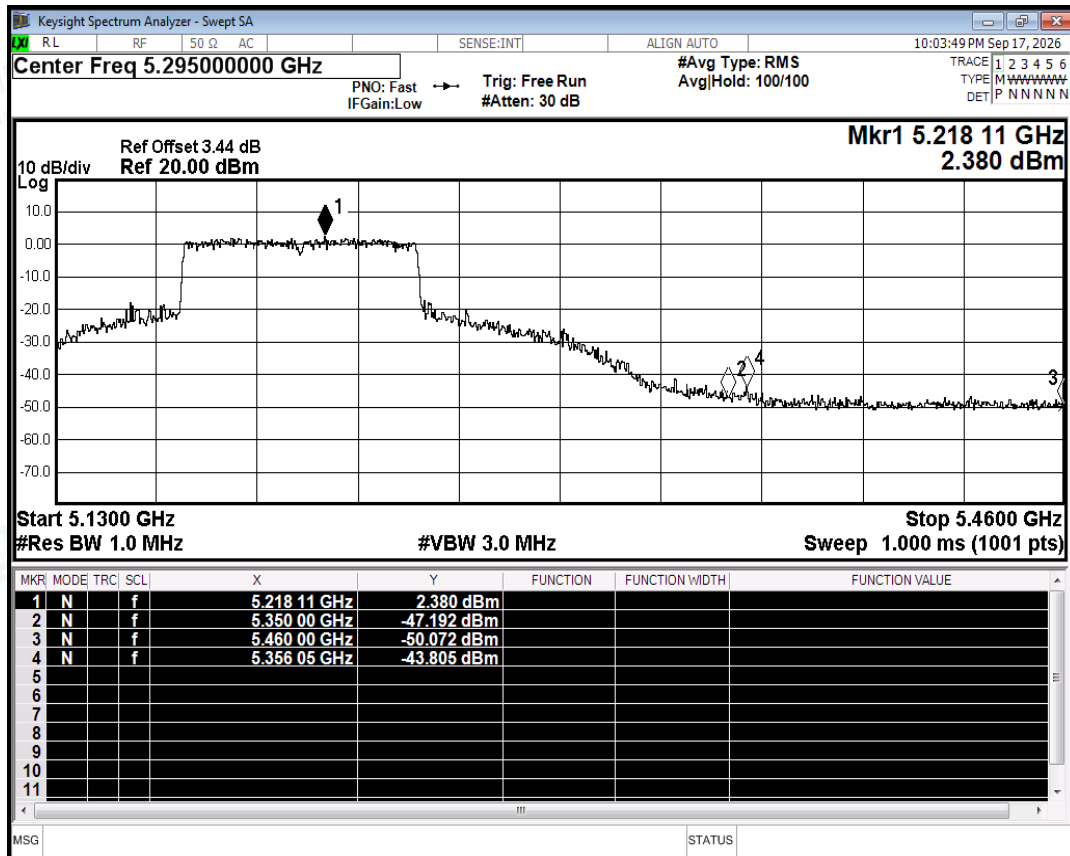
Restrict Band NVNT ac40 5190MHz Ant1 Average



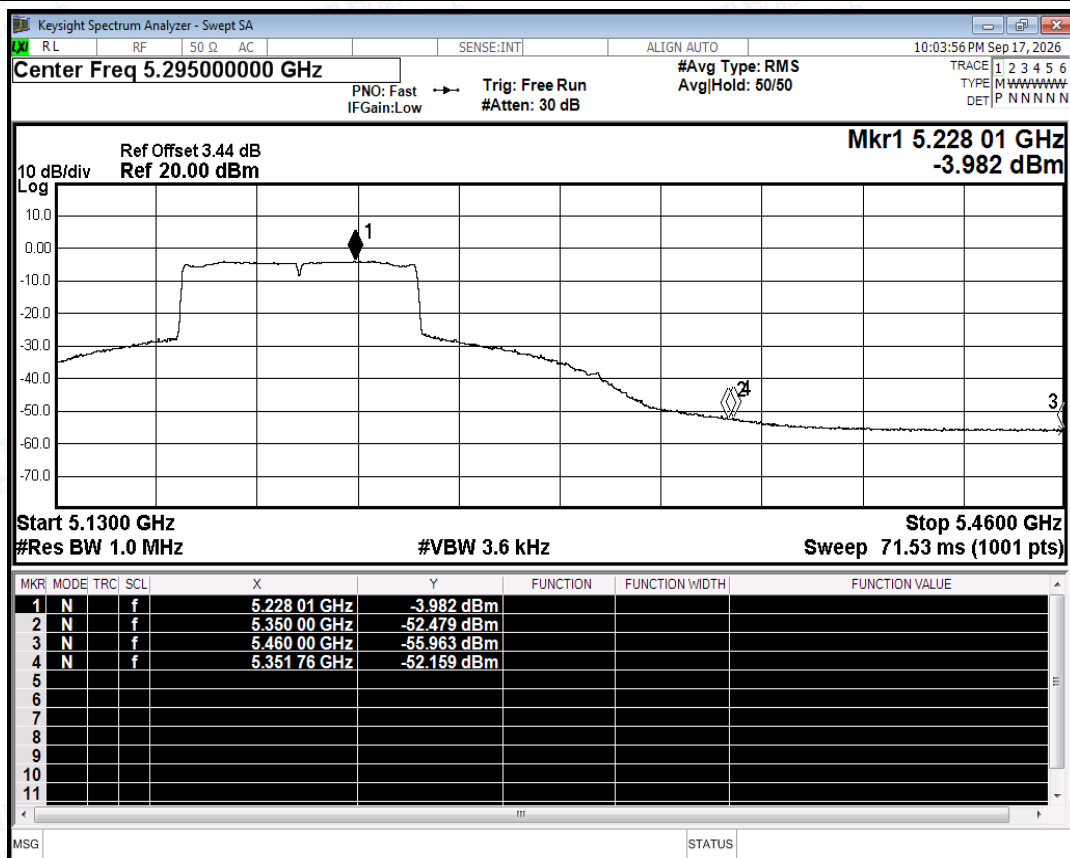
Restrict Band NVNT ac40 5230MHz Ant1 Peak



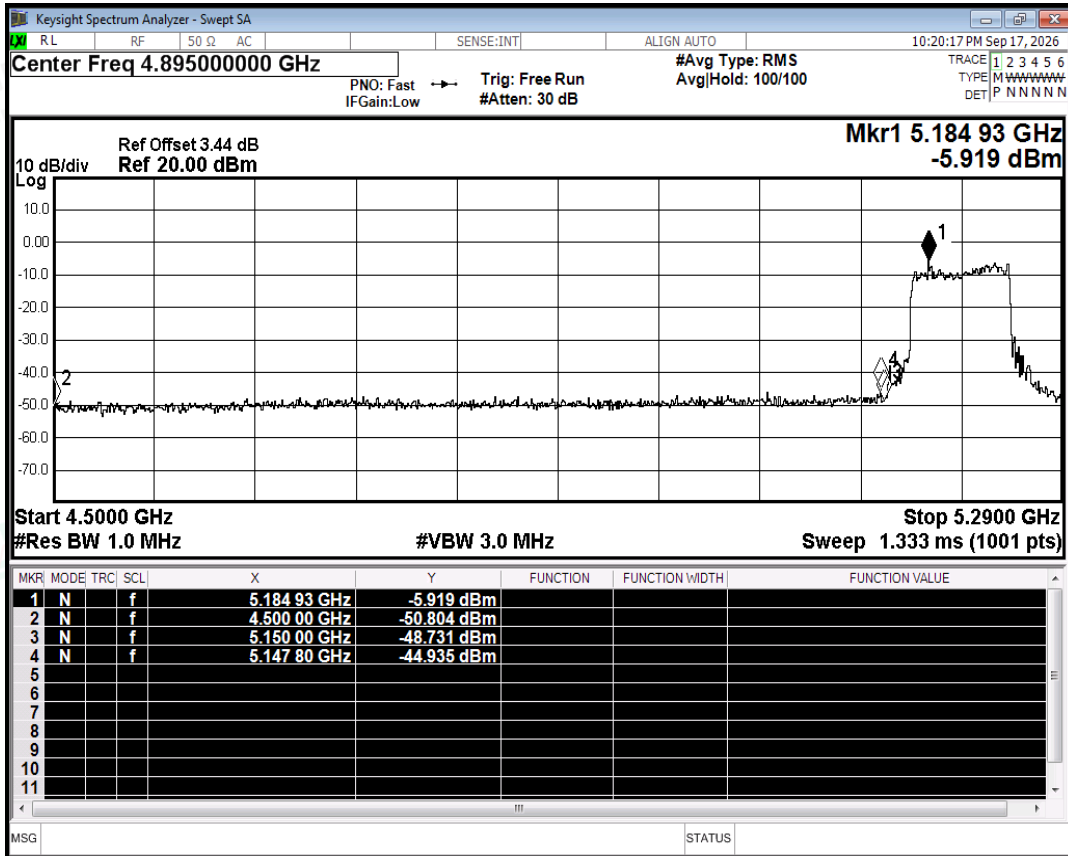
Restrict Band NVNT ac40 5230MHz Ant1 Average



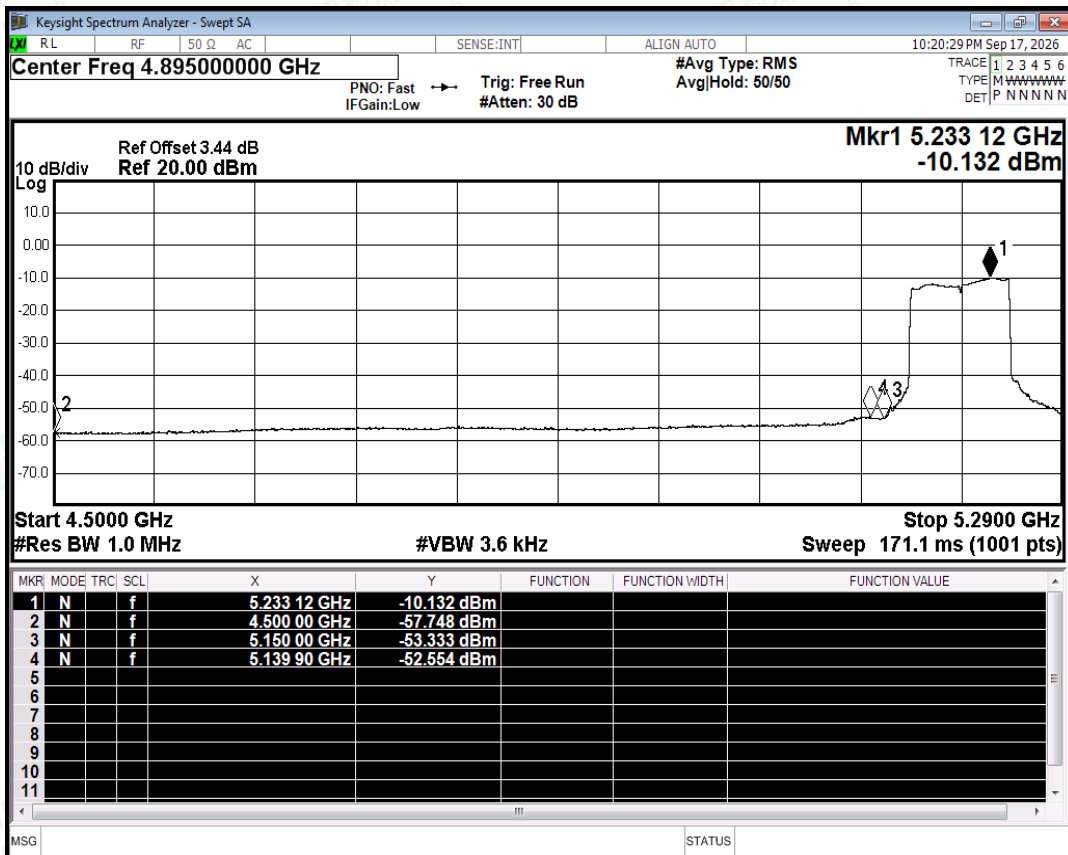
Restrict Band NVNT ac80 5210MHz Ant1 Peak



Restrict Band NVNT ac80 5210MHz Ant1 Average



Restrict Band NVNT ac80 5210MHz Ant1 Peak

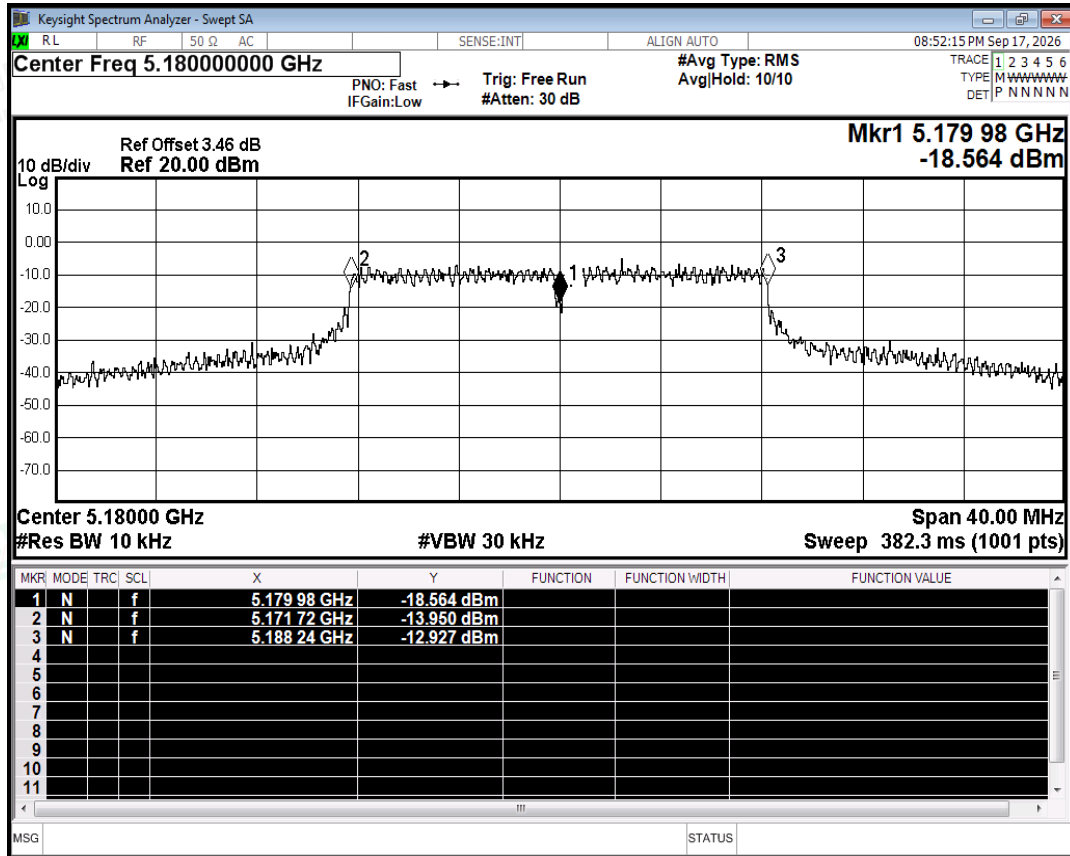


Restrict Band NVNT ac80 5210MHz Ant1 Average

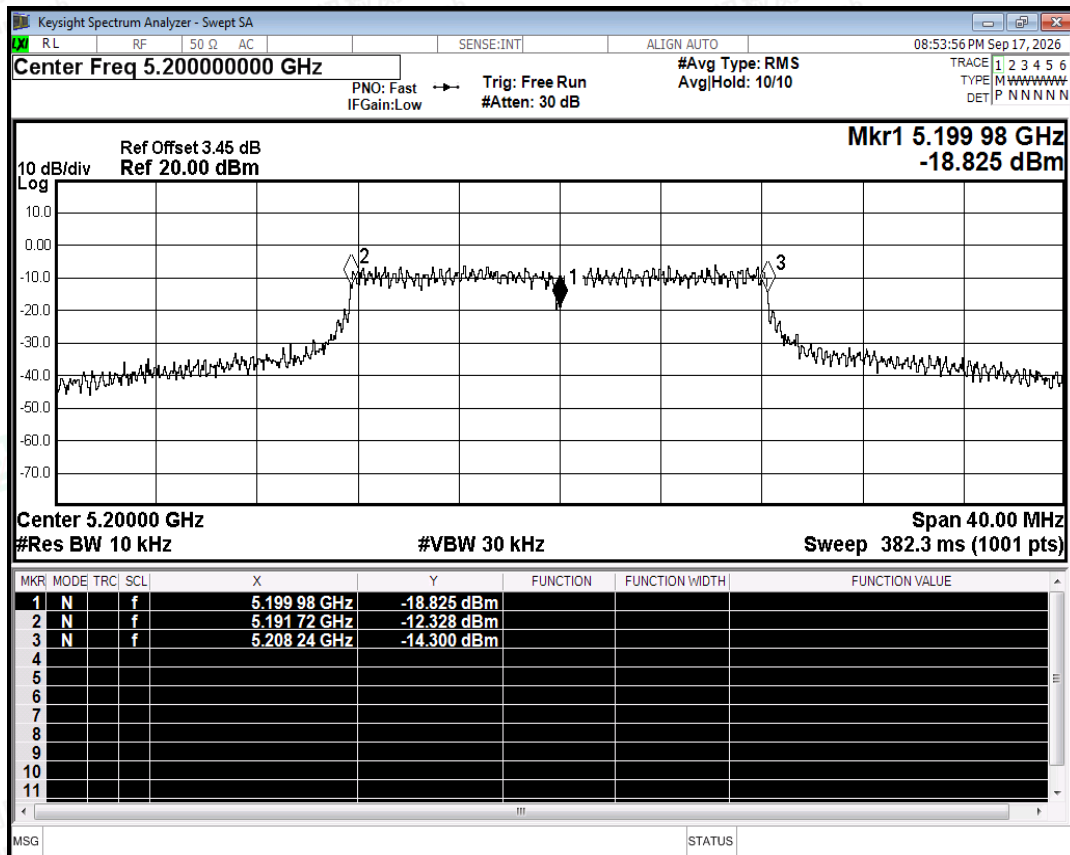


D.5 Frequency Stability

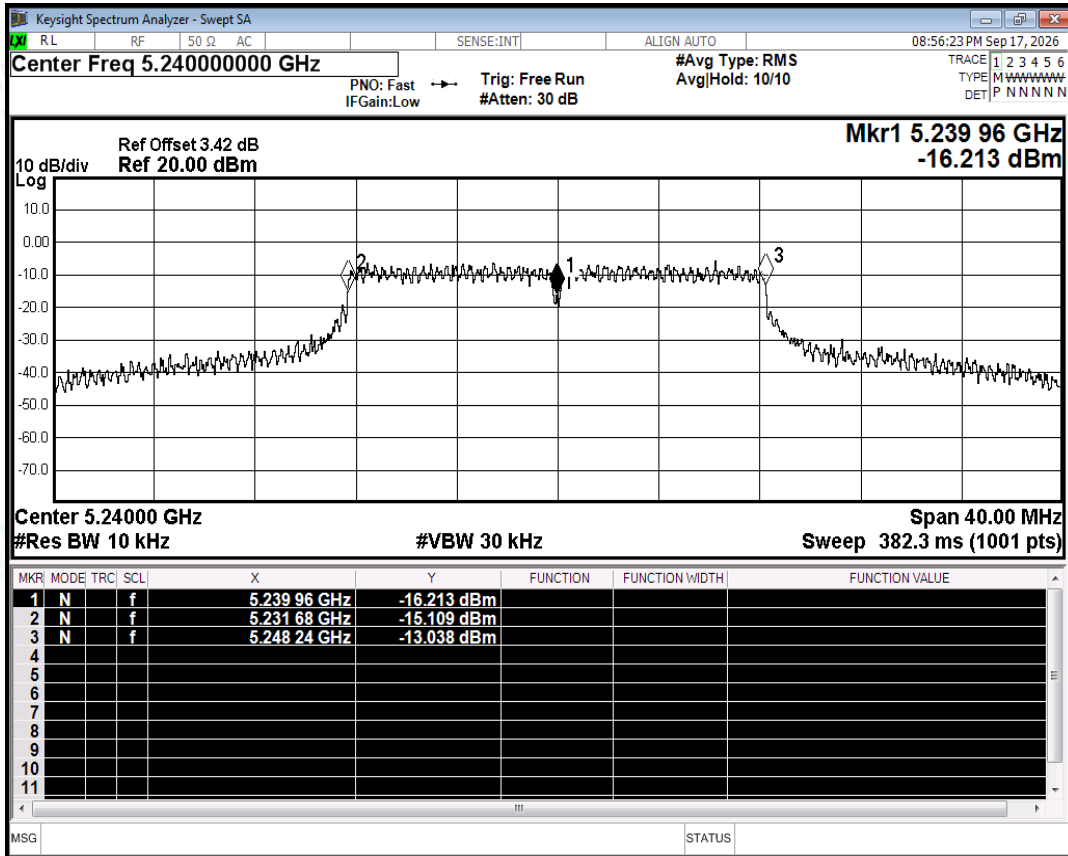
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	a	5180	Ant1	5179.98	-20000	-3.86	25	Pass
NVNT	a	5200	Ant1	5199.98	-20000	-3.85	25	Pass
NVNT	a	5240	Ant1	5239.96	-40000	-7.63	25	Pass
NVNT	n20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
NVNT	n20	5200	Ant1	5199.94	-60000	-11.54	25	Pass
NVNT	n20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
NVNT	n40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
NVNT	n40	5230	Ant1	5230	0	0	25	Pass
NVNT	ac20	5180	Ant1	5179.98	-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	5190	0	0	25	Pass
NVNT	ac40	5230	Ant1	5230	0	0	25	Pass
NVNT	ac80	5210	Ant1	5210	0	0	25	Pass



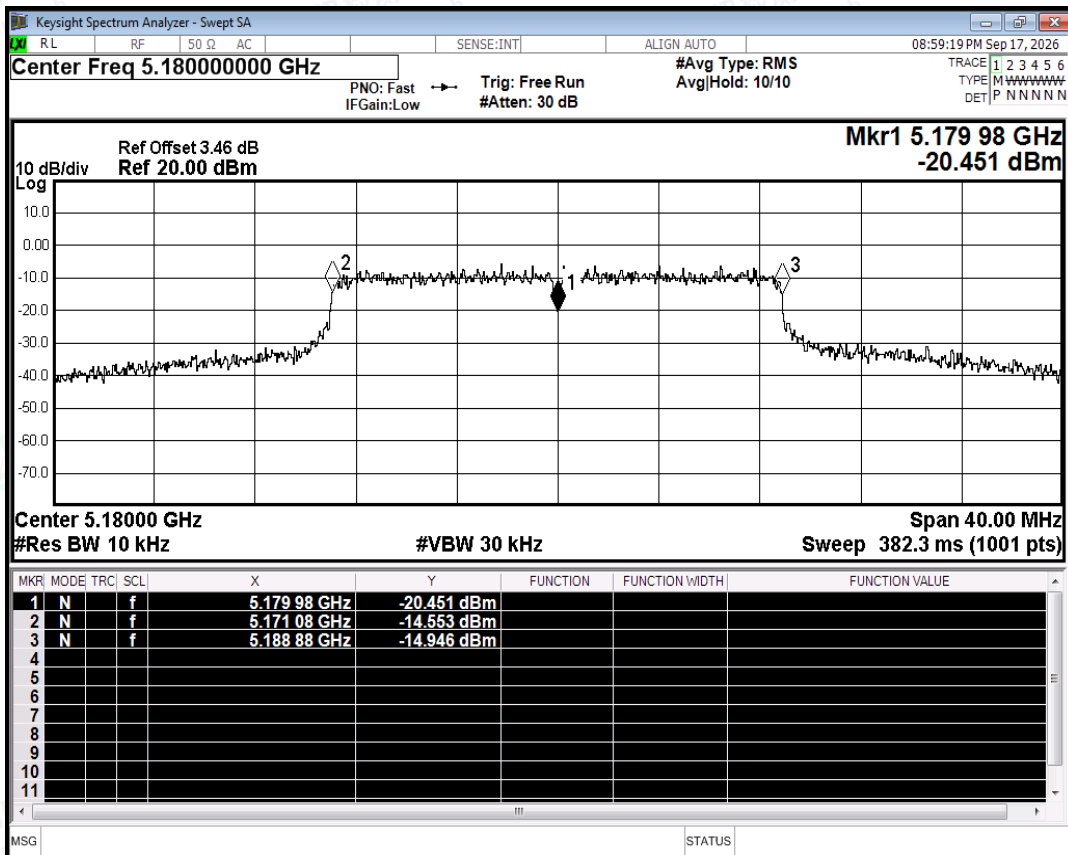
Freq. Stability NVNT a 5180MHz Ant1



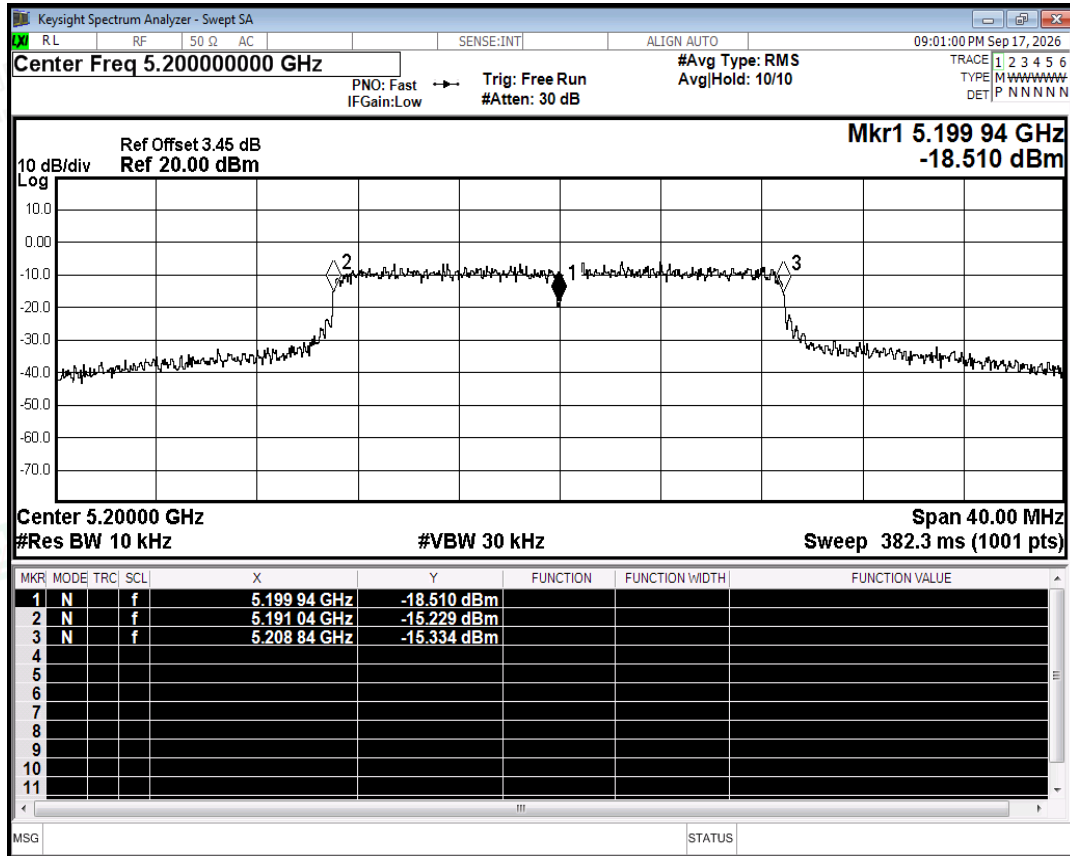
Freq. Stability NVNT a 5200MHz Ant1



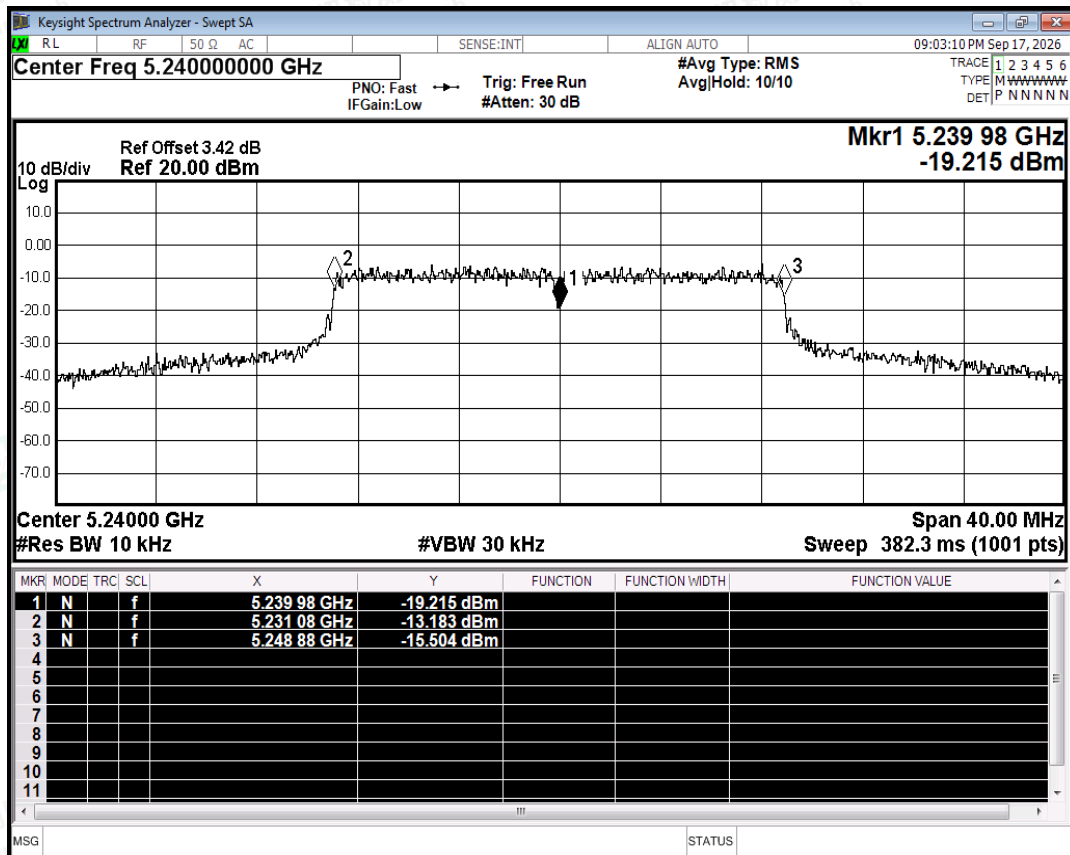
Freq. Stability NVNT a 5240MHz Ant1



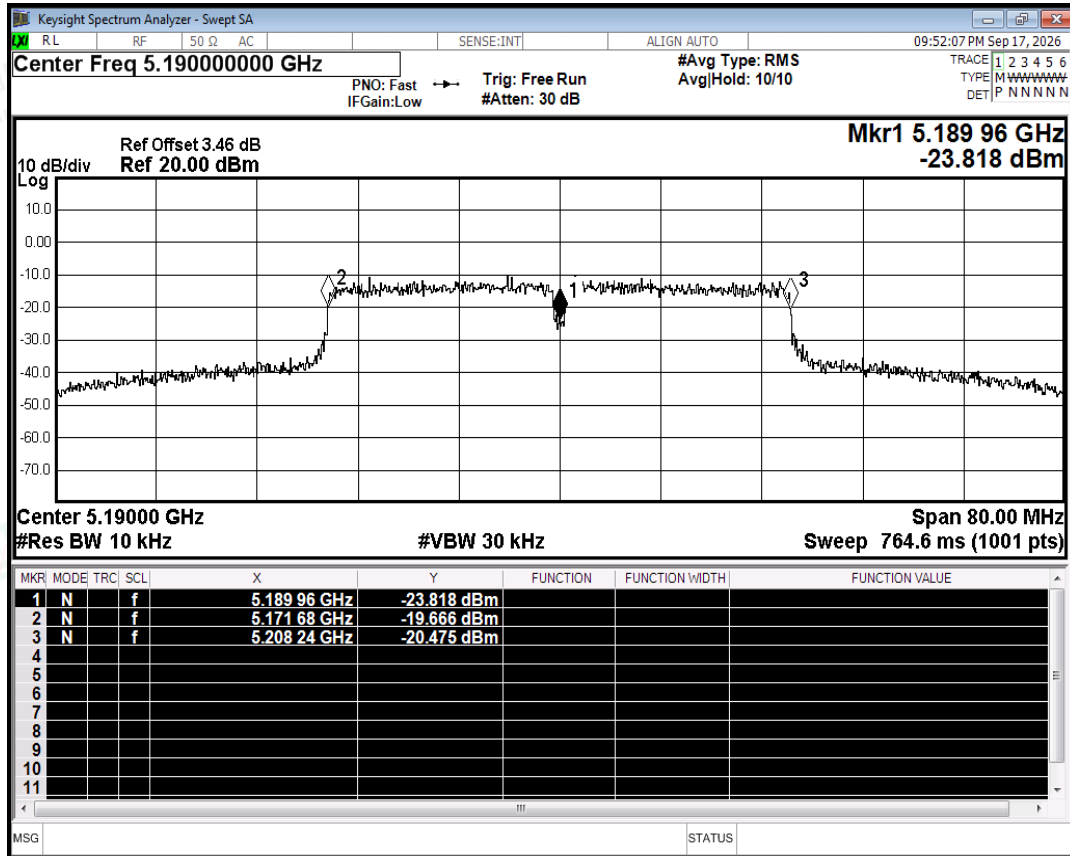
Freq. Stability NVNT n20 5180MHz Ant1



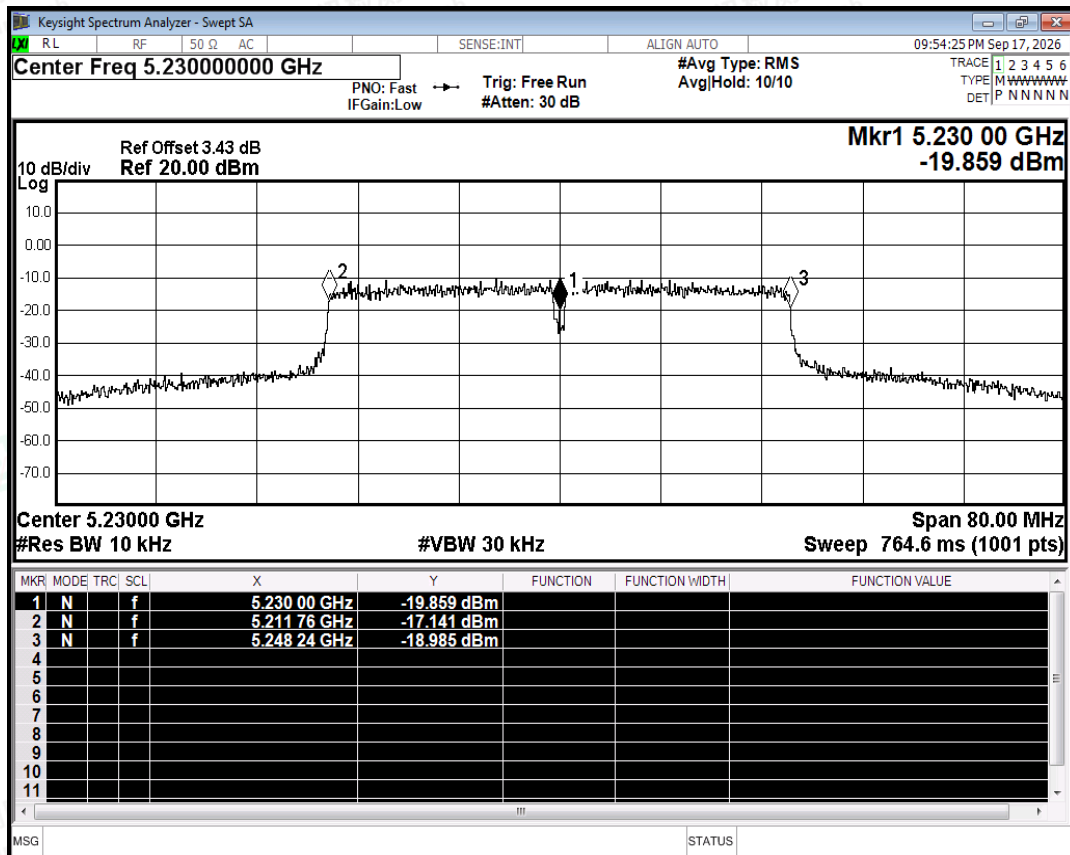
Freq. Stability NVNT n20 5200MHz Ant1



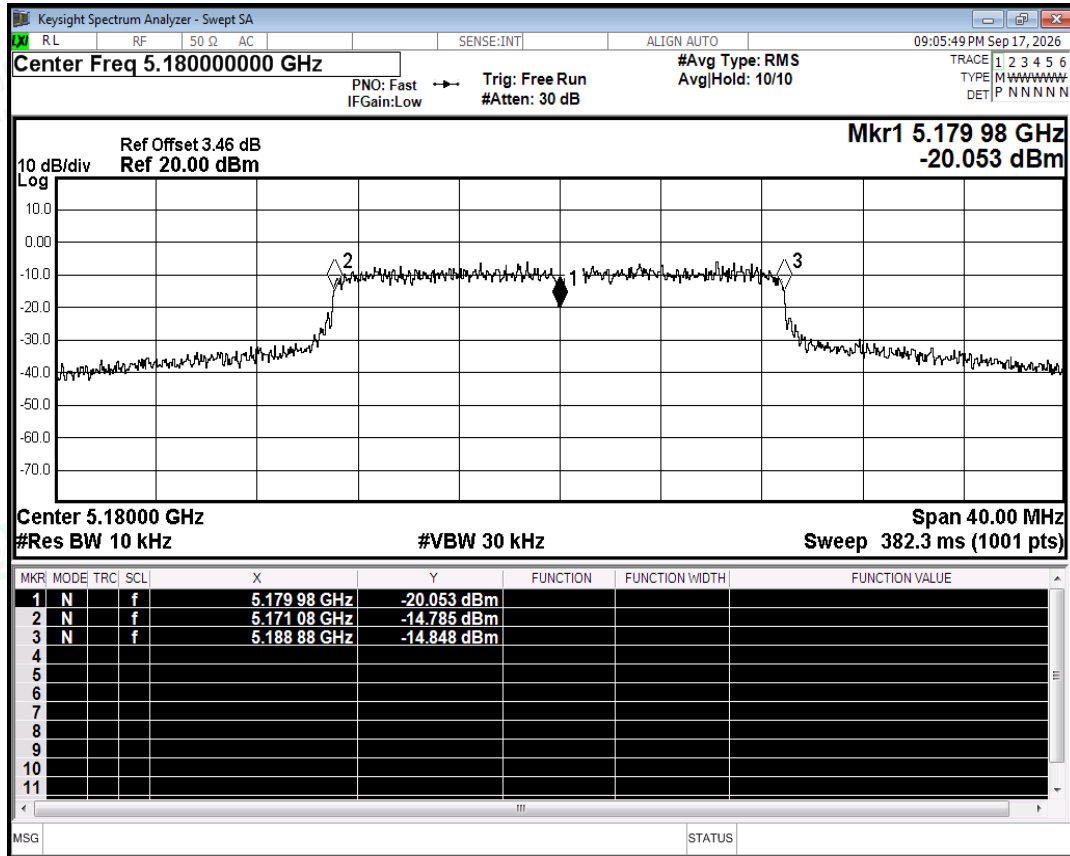
Freq. Stability NVNT n20 5240MHz Ant1



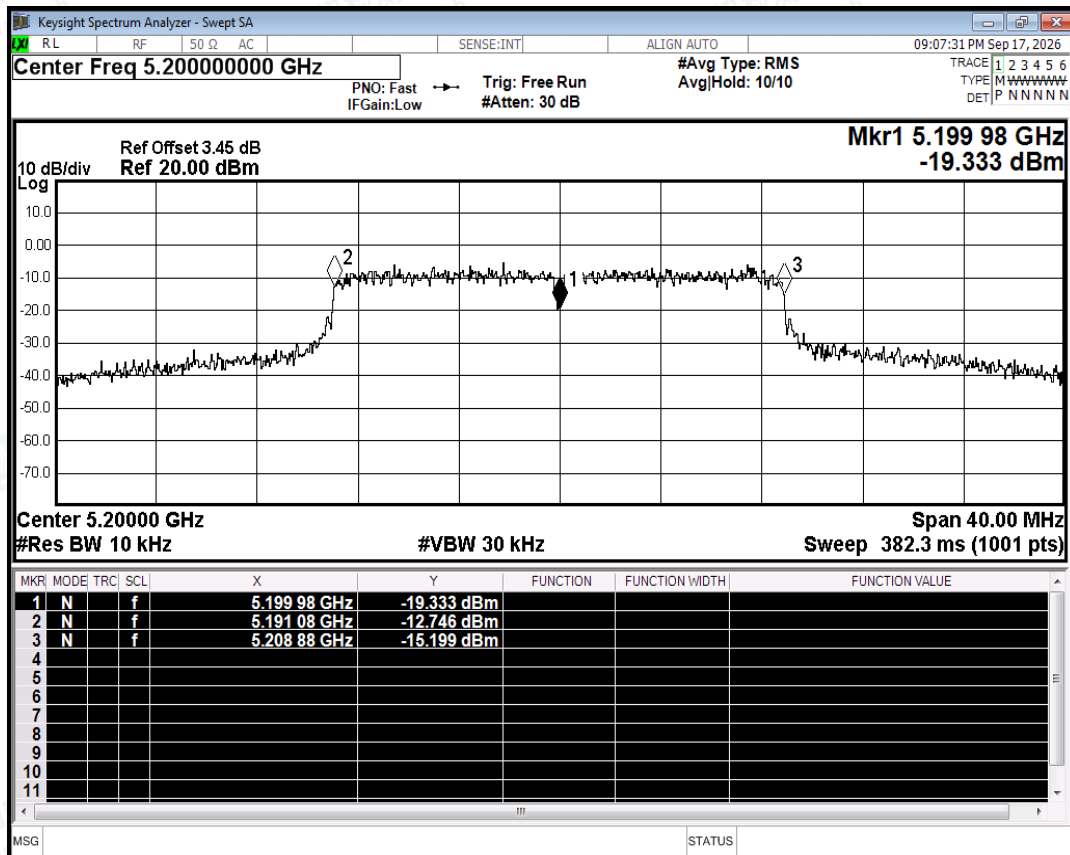
Freq. Stability NVNT n40 5190MHz Ant1



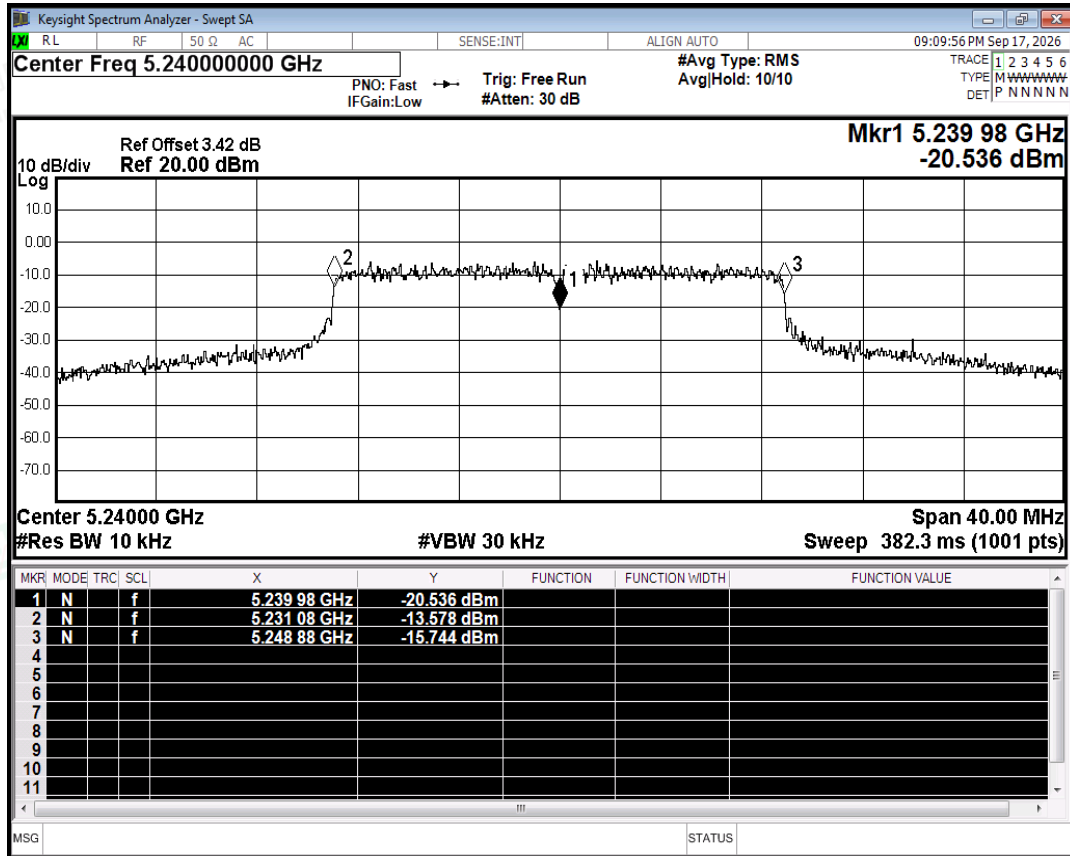
Freq. Stability NVNT n40 5230MHz Ant1



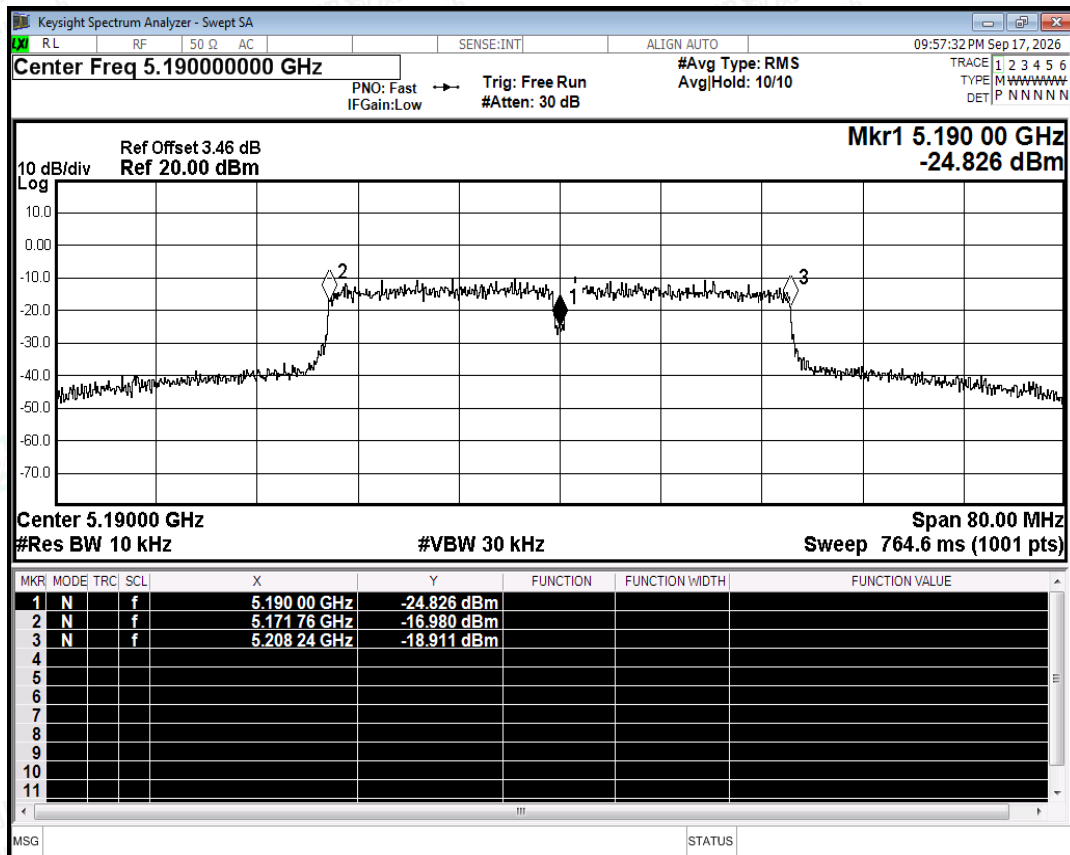
Freq. Stability NVNT ac20 5180MHz Ant1



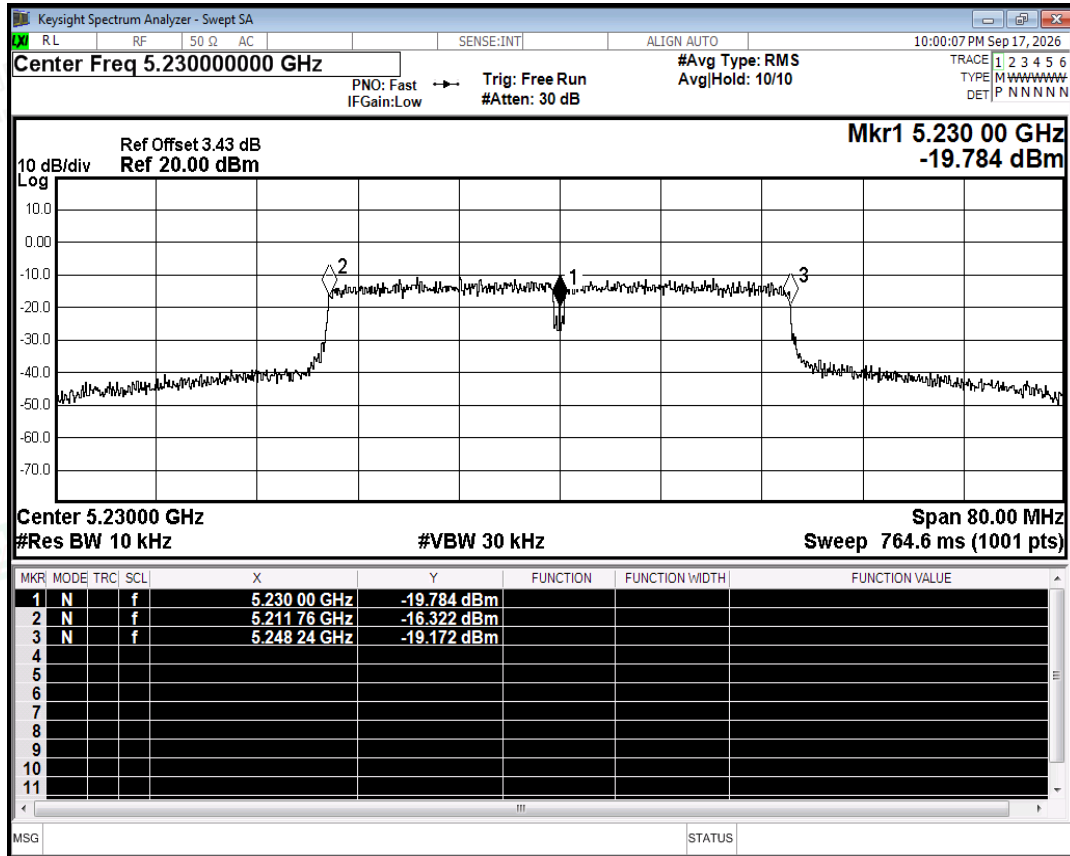
Freq. Stability NVNT ac20 5200MHz Ant1



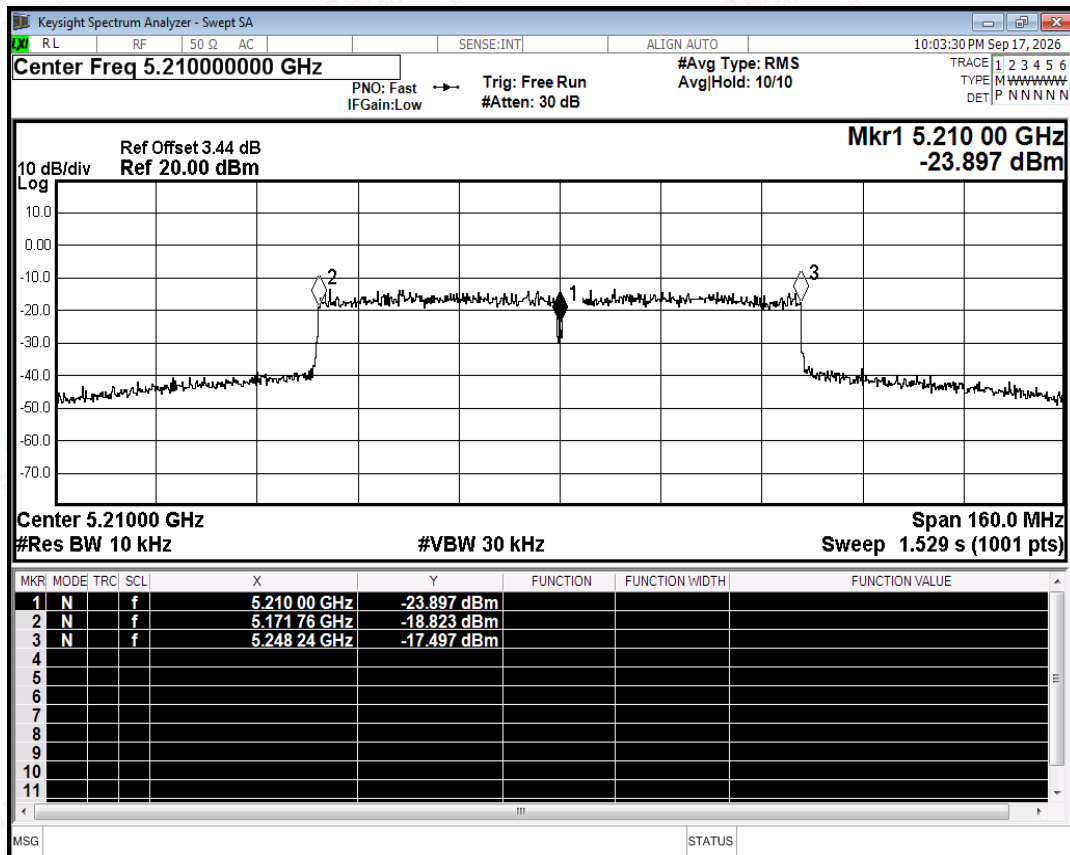
Freq. Stability NVNT ac20 5240MHz Ant1



Freq. Stability NVNT ac40 5190MHz Ant1



Freq. Stability NVNT ac40 5230MHz Ant1

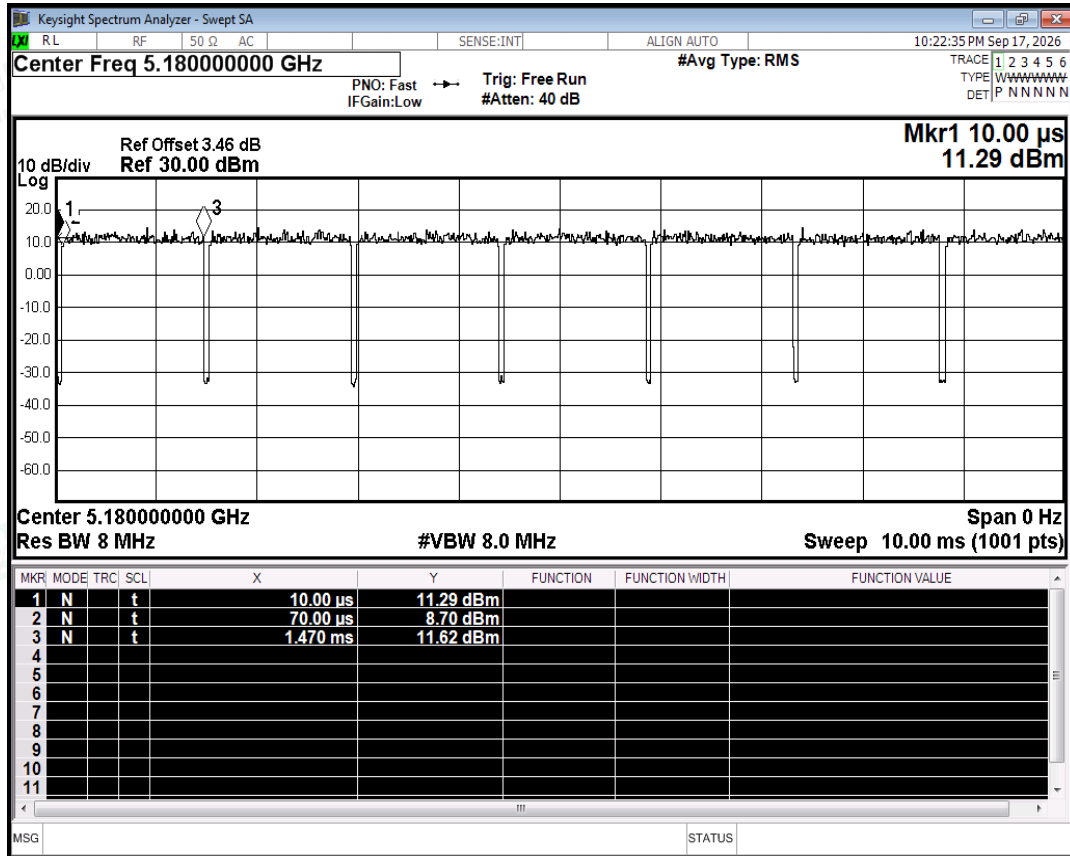


Freq. Stability NVNT ac80 5210MHz Ant1

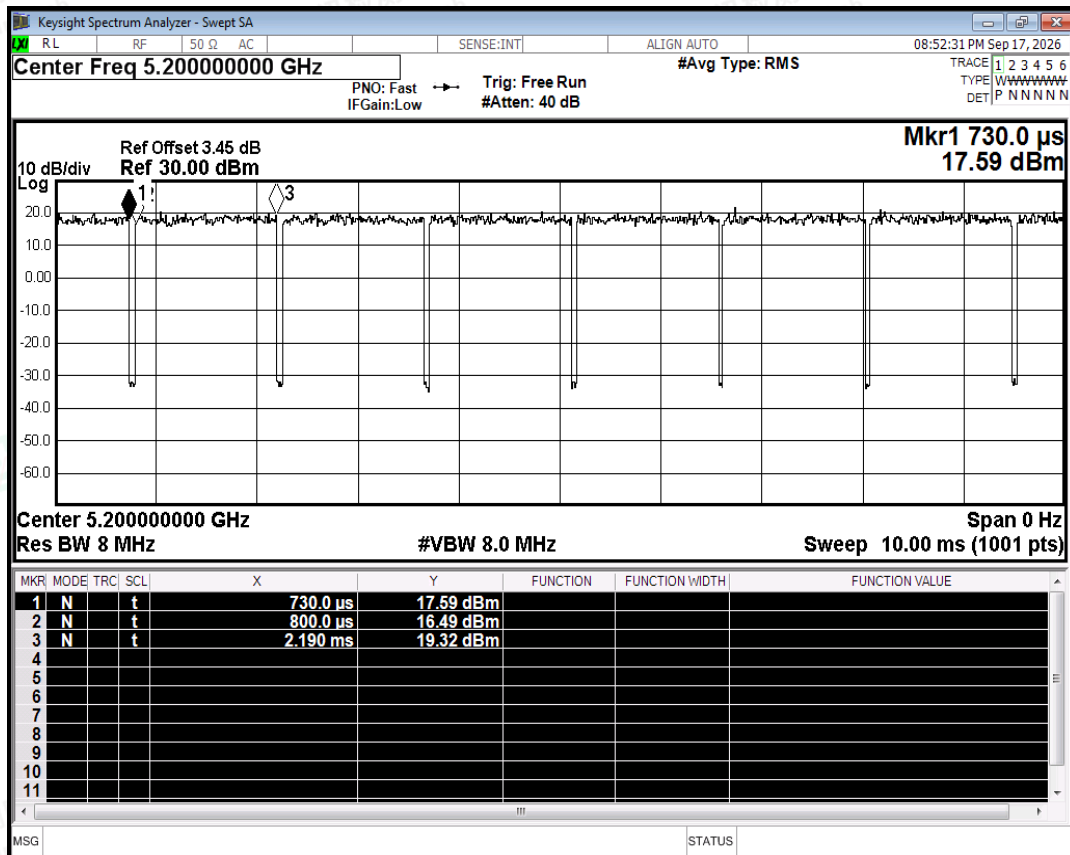


D.6 Duty Cycle

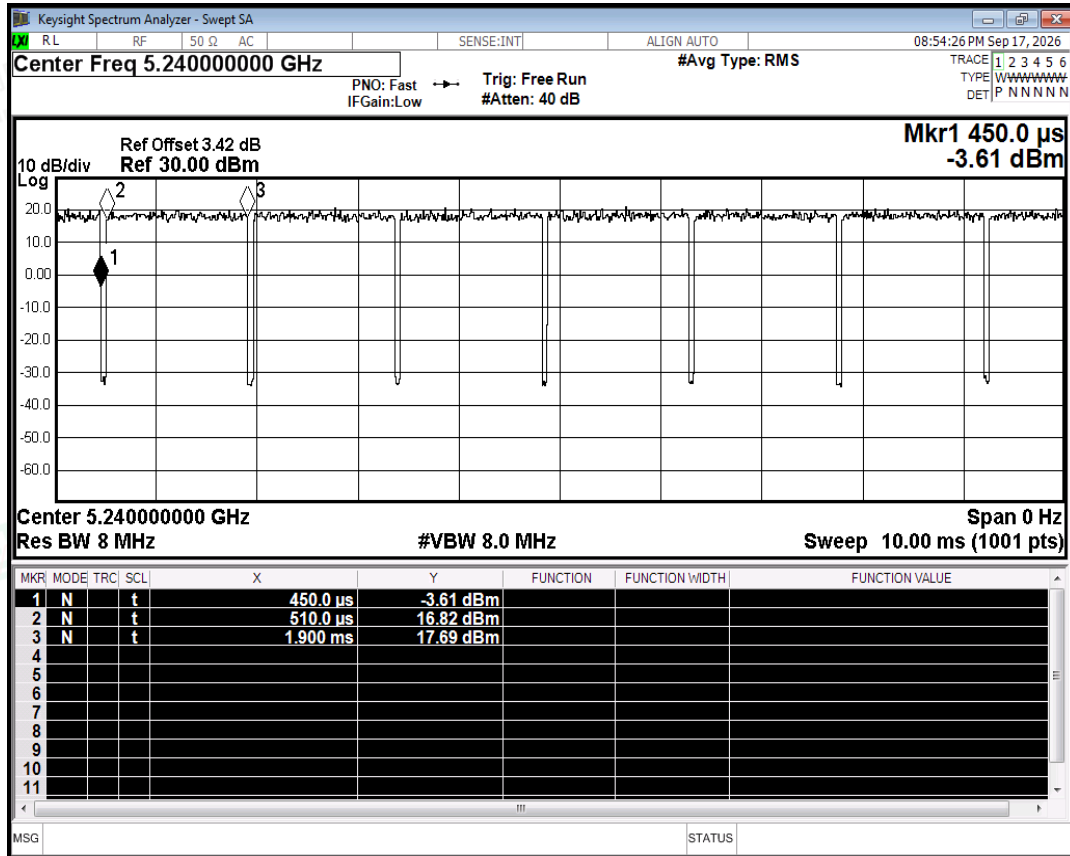
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	95.89	0.18	0.71
NVNT	a	5200	Ant1	95.21	0.21	0.72
NVNT	a	5240	Ant1	95.86	0.18	0.72
NVNT	n20	5180	Ant1	95.16	0.22	0.85
NVNT	n20	5200	Ant1	95.16	0.22	0.85
NVNT	n20	5240	Ant1	95.16	0.22	0.85
NVNT	n40	5190	Ant1	90.77	0.42	1.69
NVNT	n40	5230	Ant1	90.77	0.42	1.69
NVNT	ac20	5180	Ant1	95.2	0.21	0.84
NVNT	ac20	5200	Ant1	95.2	0.21	0.84
NVNT	ac20	5240	Ant1	95.2	0.21	0.84
NVNT	ac40	5190	Ant1	89.39	0.49	1.69
NVNT	ac40	5230	Ant1	89.39	0.49	1.69
NVNT	ac80	5210	Ant1	83.33	0.79	3.33



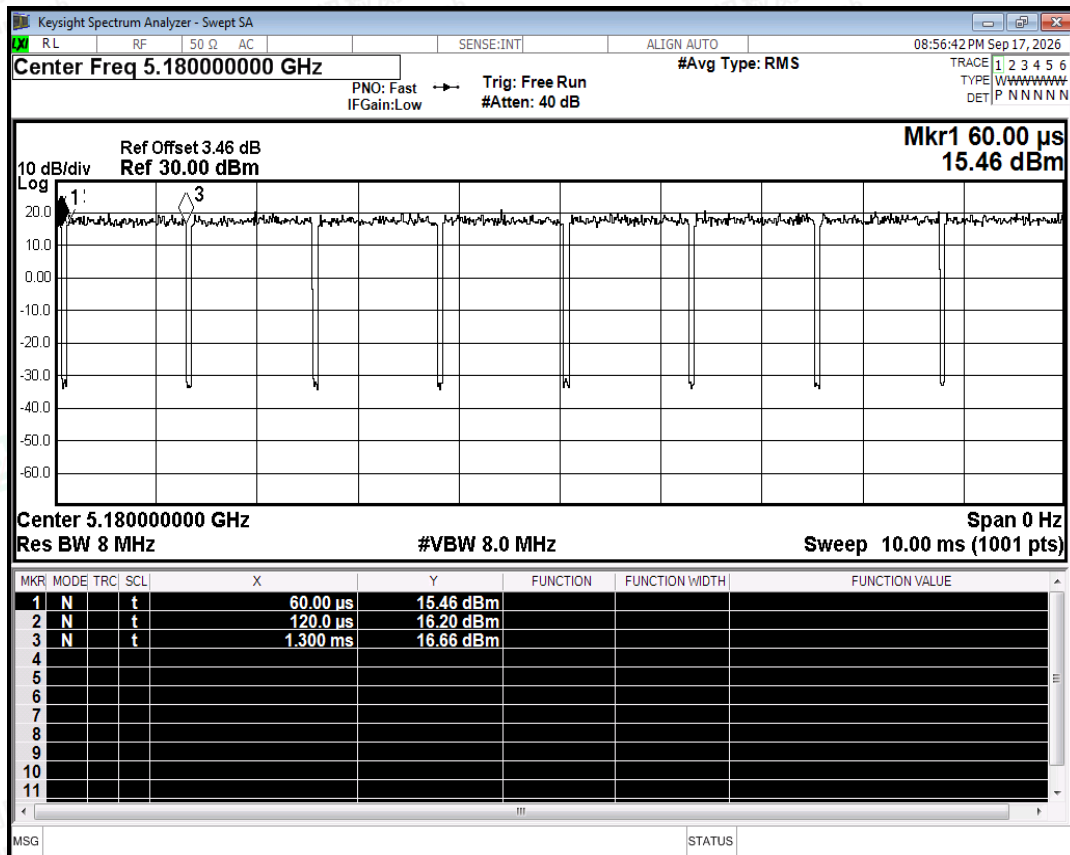
Duty Cycle NVNT a 5180MHz Ant1



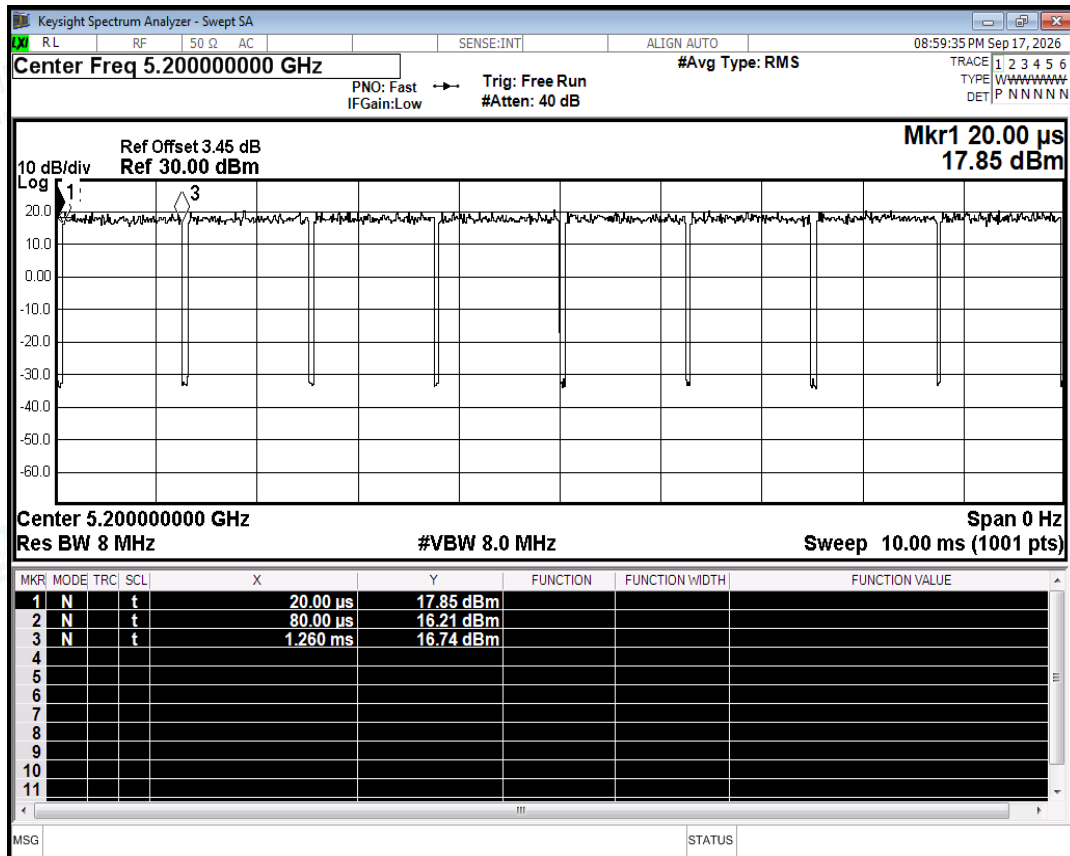
Duty Cycle NVNT a 5200MHz Ant1



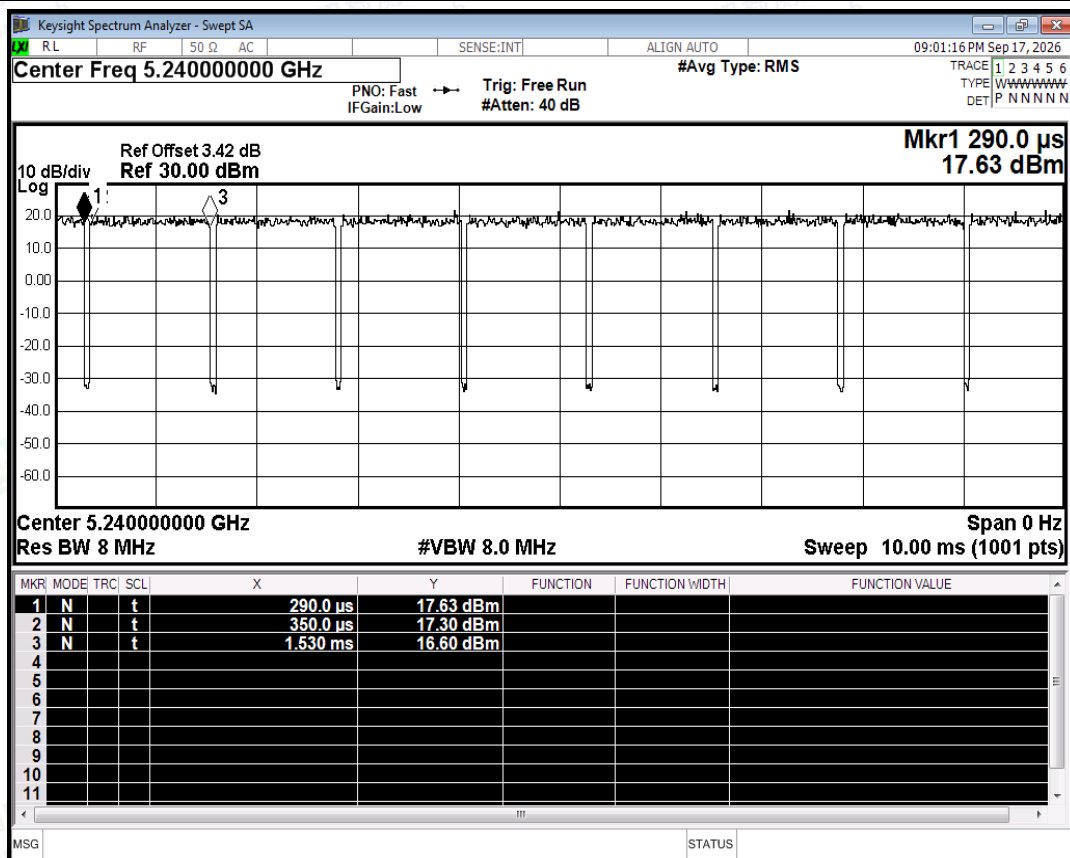
Duty Cycle NVNT a 5240MHz Ant1



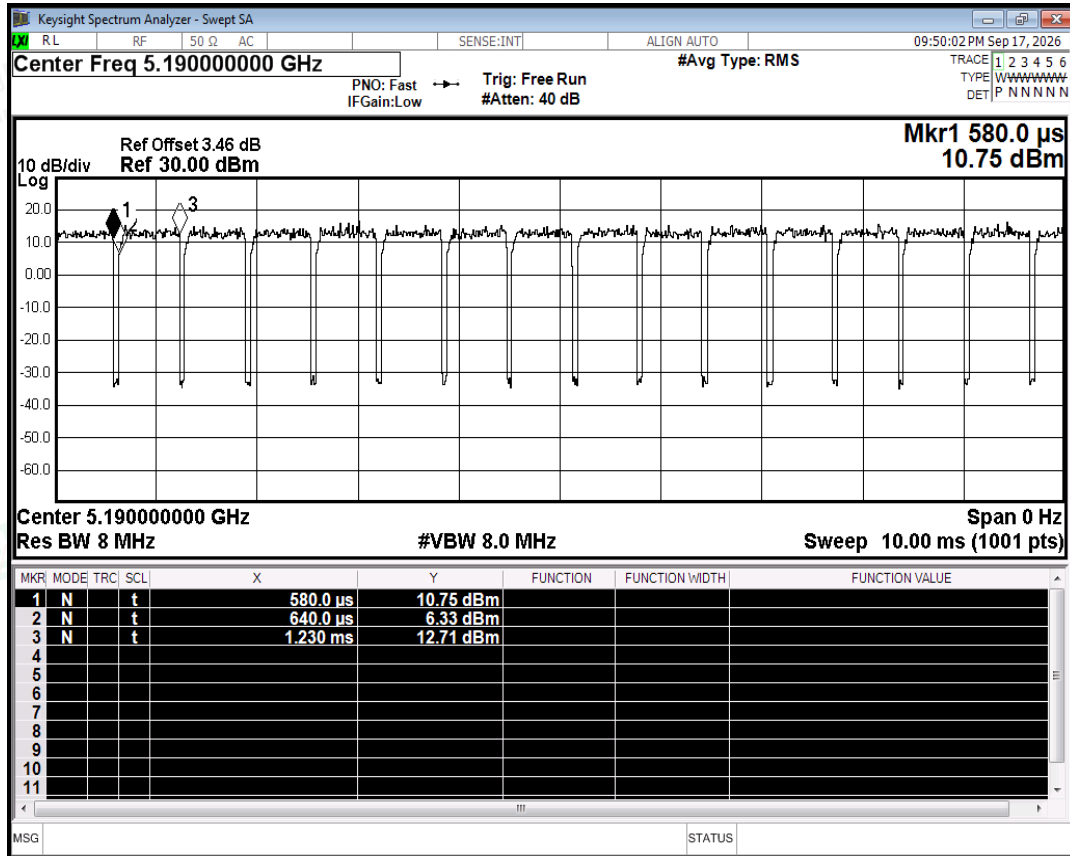
Duty Cycle NVNT n20 5180MHz Ant1



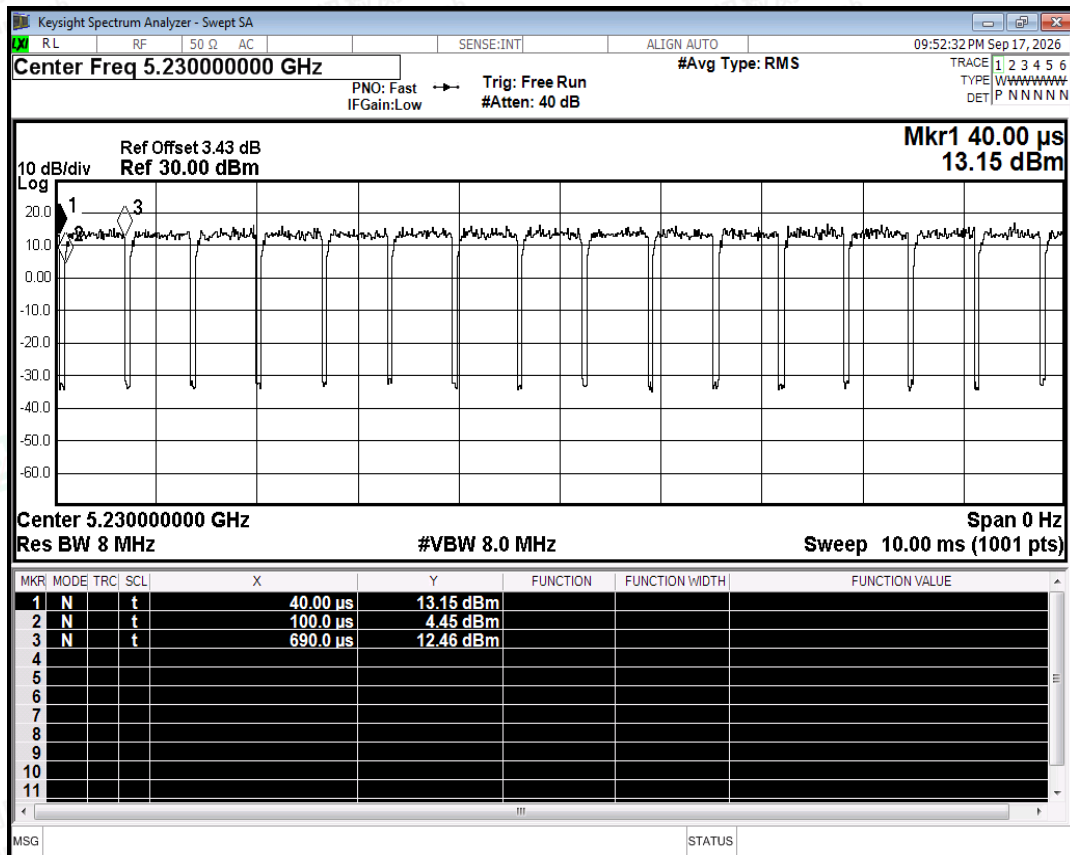
Duty Cycle NVNT n20 5200MHz Ant1



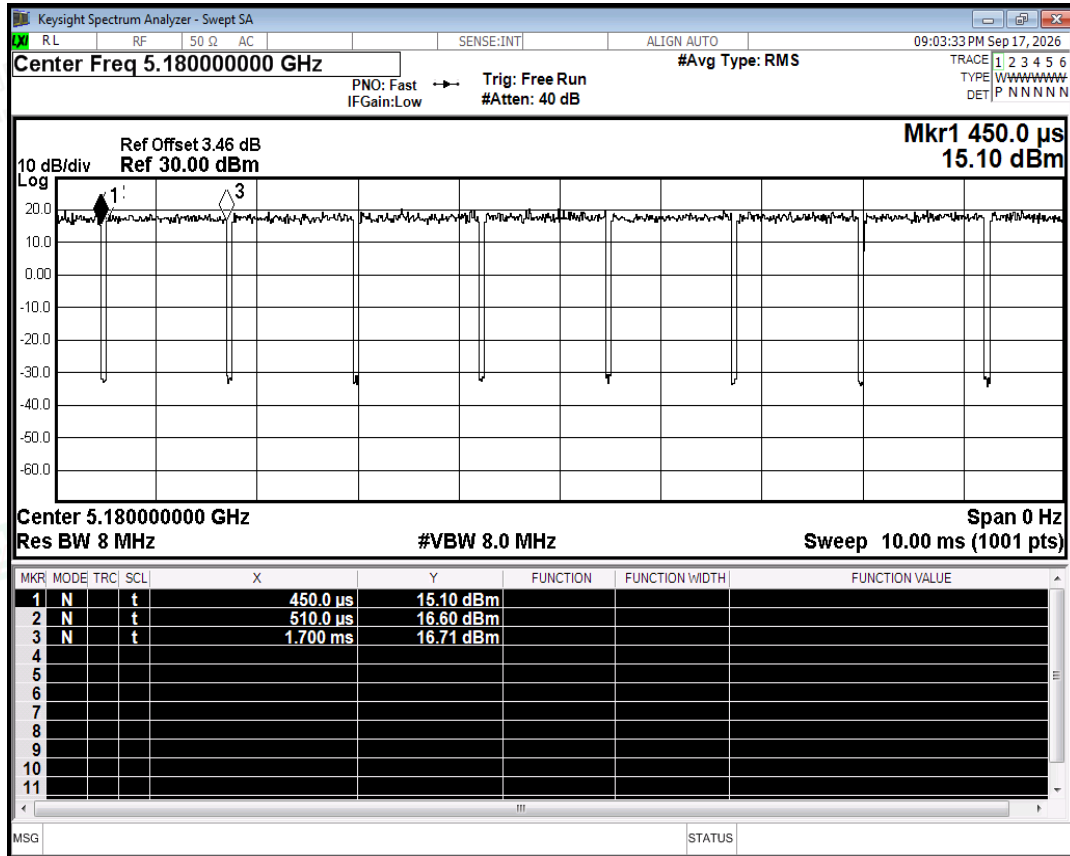
Duty Cycle NVNT n20 5240MHz Ant1



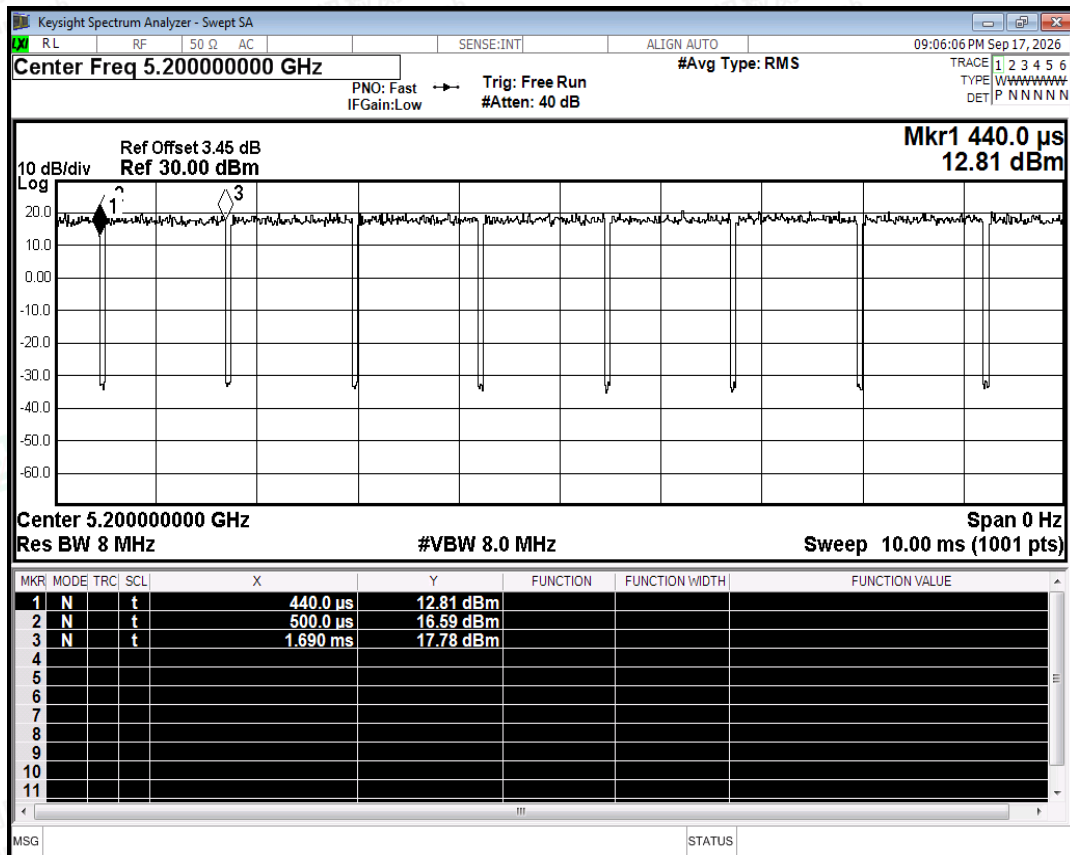
Duty Cycle NVNT n40 5190MHz Ant1



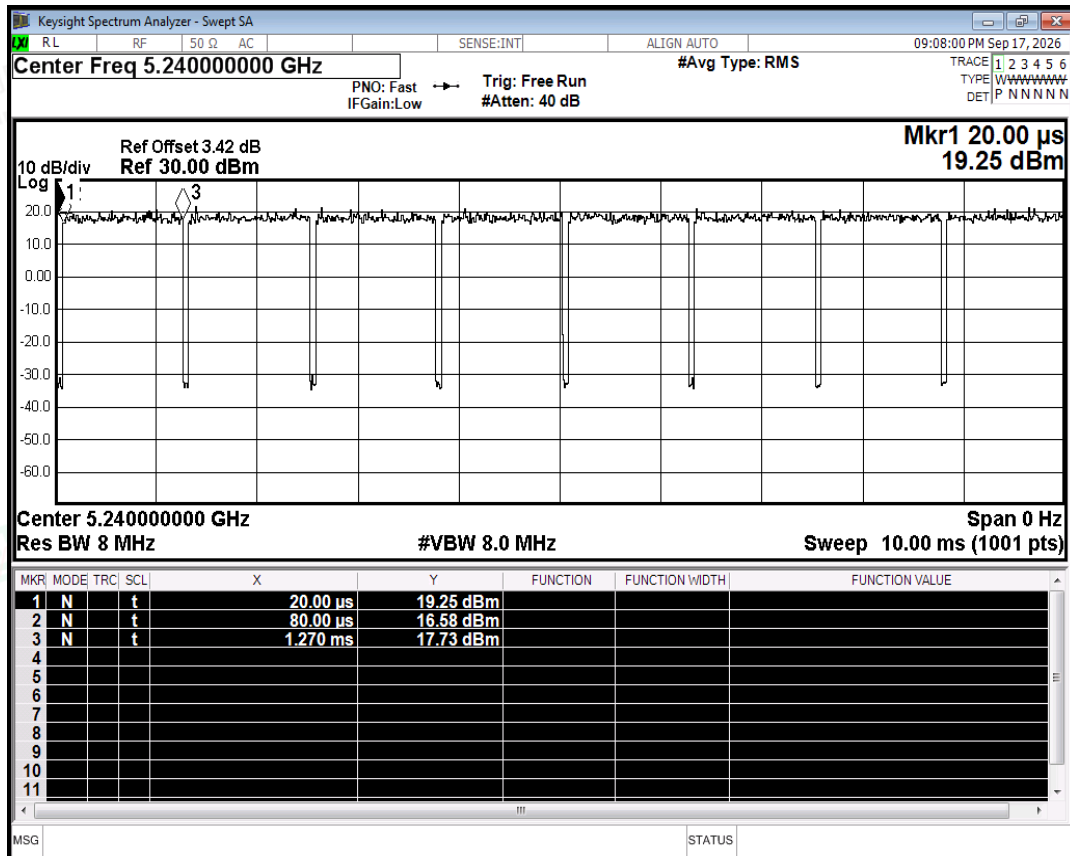
Duty Cycle NVNT n40 5230MHz Ant1



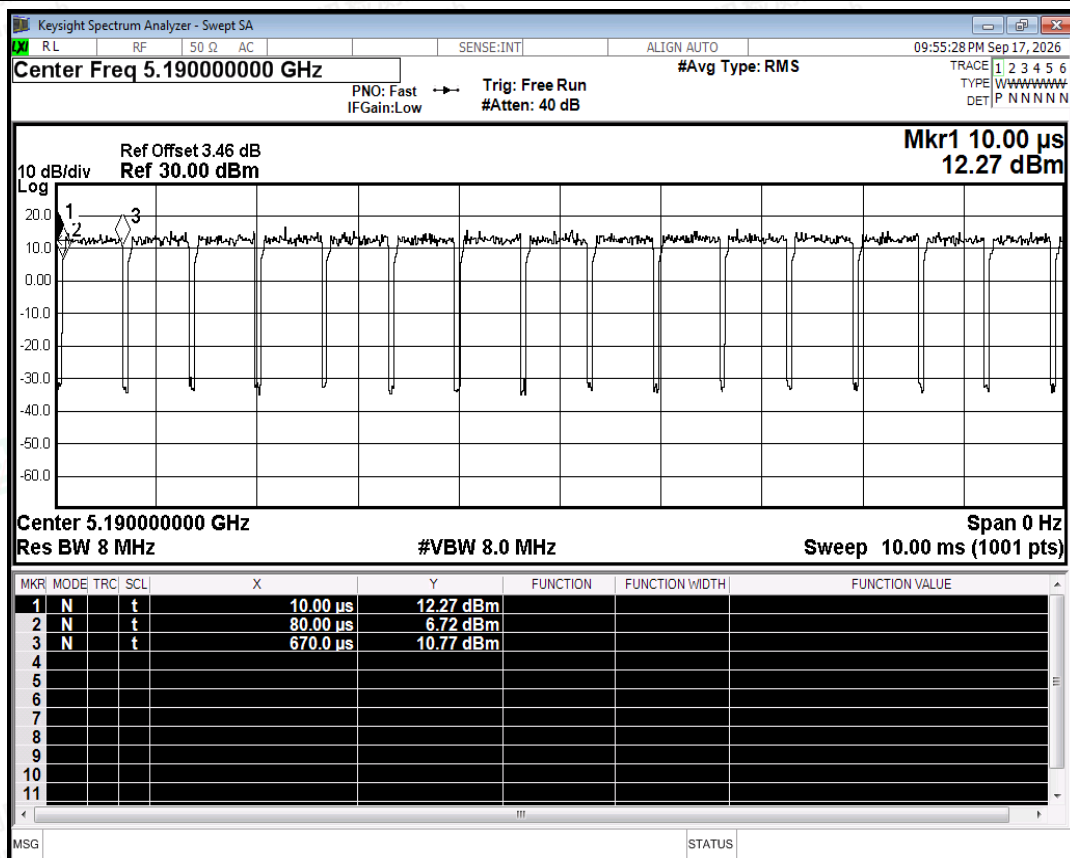
Duty Cycle NVNT ac20 5180MHz Ant1



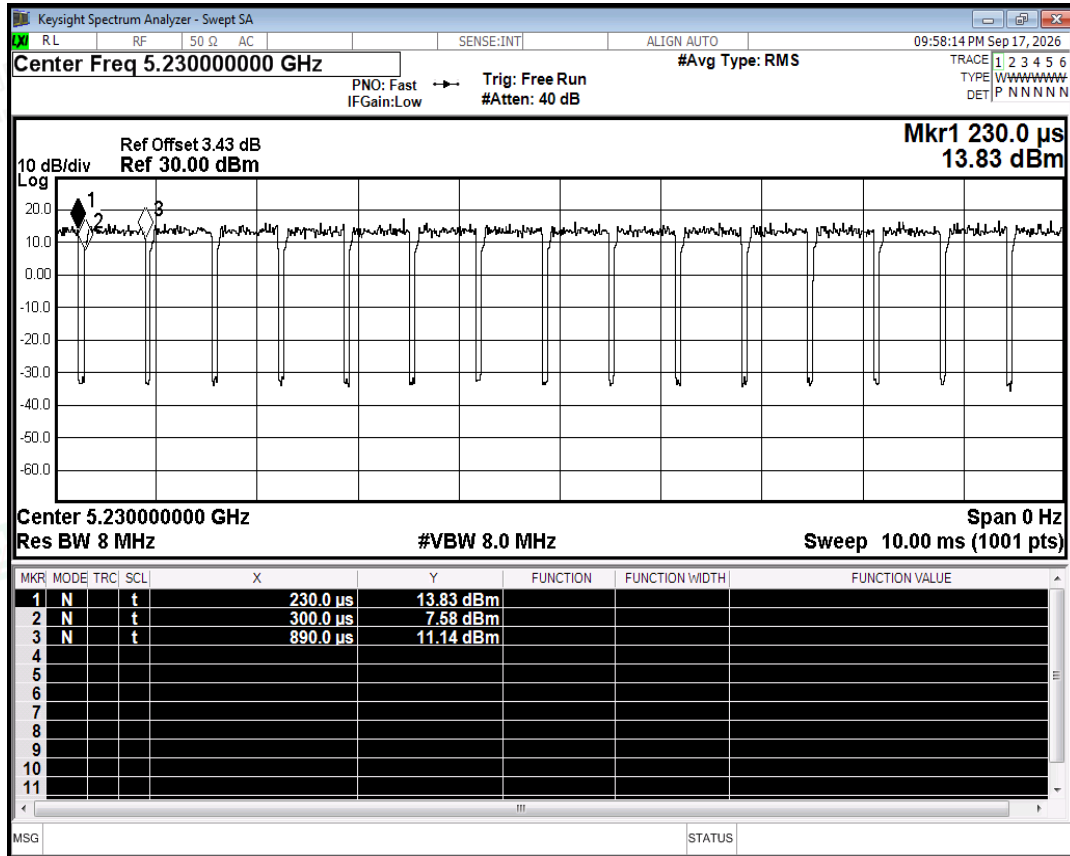
Duty Cycle NVNT ac20 5200MHz Ant1



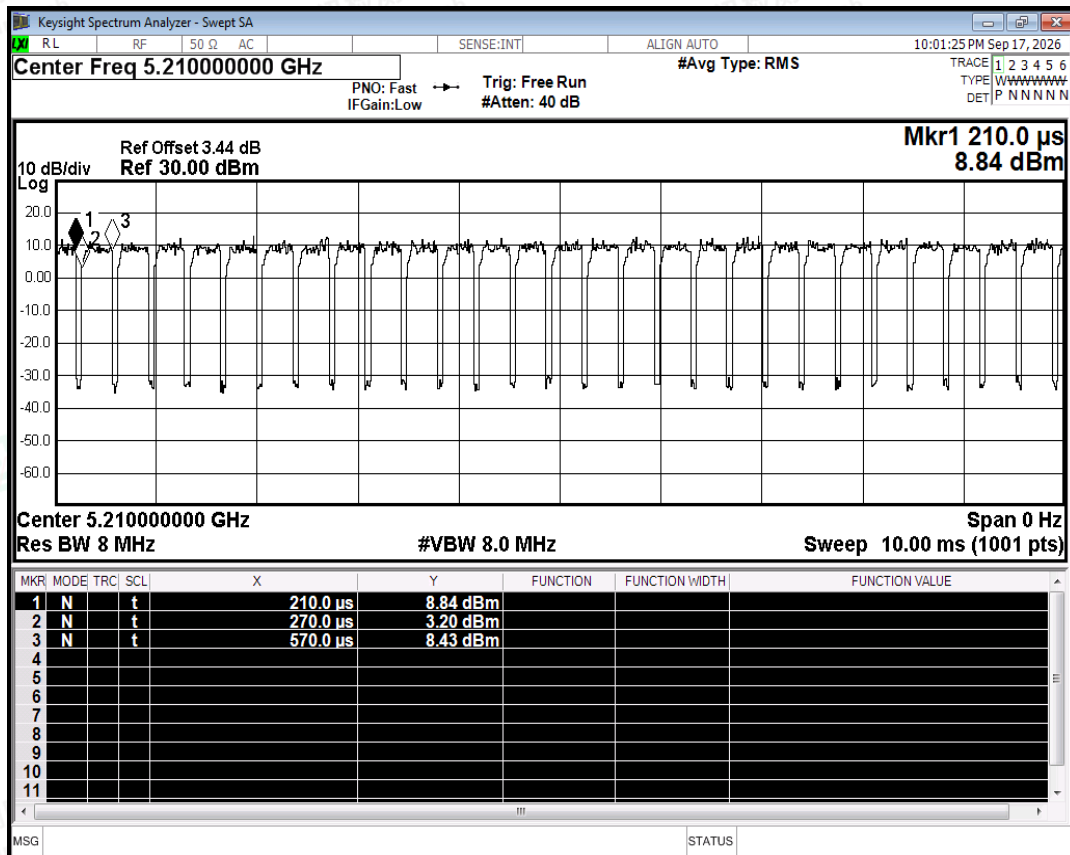
Duty Cycle NVNT ac20 5240MHz Ant1



Duty Cycle NVNT ac40 5190MHz Ant1



Duty Cycle NVNT ac40 5230MHz Ant1



Duty Cycle NVNT ac80 5210MHz Ant1