

Test Data

Frequency Stability (worst case mode)

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVHT	a	5180	ANT0	5179.98	-3.86	25	Pass
HVHT	a	5180	ANT1	5179.98	-3.86	25	Pass
HVLT	a	5180	ANT0	5179.98	-3.86	25	Pass
HVLT	a	5180	ANT1	5179.98	-3.86	25	Pass
LVHT	a	5180	ANT0	5179.98	-3.86	25	Pass
LVHT	a	5180	ANT1	5179.98	-3.86	25	Pass
LVLT	a	5180	ANT0	5179.98	-3.86	25	Pass
LVLT	a	5180	ANT1	5179.98	-3.86	25	Pass
NVNT	a	5180	ANT0	5179.98	-3.86	25	Pass
NVNT	a	5180	ANT1	5179.98	-3.86	25	Pass
HVHT	ax20	5180	MIMO	5179.98	-3.86	25	Pass
HVLT	ax20	5180	MIMO	5179.98	-3.86	25	Pass
LVHT	ax20	5180	MIMO	5179.96	-7.72	25	Pass
LVLT	ax20	5180	MIMO	5180	0	25	Pass
NVNT	ax20	5180	MIMO	5179.98	-3.86	25	Pass
HVHT	ax40	5190	MIMO	5189.96	-7.71	25	Pass
HVLT	ax40	5190	MIMO	5189.96	-7.71	25	Pass
LVHT	ax40	5190	MIMO	5190	0	25	Pass
LVLT	ax40	5190	MIMO	5190	0	25	Pass
NVNT	ax40	5190	MIMO	5189.96	-7.71	25	Pass
HVHT	ax80	5210	MIMO	5209.92	-15.36	25	Pass
HVLT	ax80	5210	MIMO	5210.08	15.36	25	Pass
LVHT	ax80	5210	MIMO	5210	0	25	Pass
LVLT	ax80	5210	MIMO	5210	0	25	Pass
NVNT	ax80	5210	MIMO	5209.92	-15.36	25	Pass
HVHT	n40	5190	ANT0	5189.96	-7.71	25	Pass
HVHT	n40	5190	ANT1	5189.96	-7.71	25	Pass
HVLT	n40	5190	ANT0	5189.92	-15.41	25	Pass
HVLT	n40	5190	ANT1	5190	0	25	Pass
LVHT	n40	5190	ANT0	5189.96	-7.71	25	Pass
LVHT	n40	5190	ANT1	5189.96	-7.71	25	Pass
LVLT	n40	5190	ANT0	5189.96	-7.71	25	Pass
LVLT	n40	5190	ANT1	5190	0	25	Pass
NVNT	n40	5190	ANT0	5189.96	-7.71	25	Pass



NVNT	n40	5190	ANT1	5190	0	25	Pass
Remark: "NTNV" means Normal Temperature Normal Voltage, "LTLV" means Low Temperature Low Voltage, "LTHV" means Low Temperature High Voltage, "HTLV" means High Temperature Low Voltage, "HTHV" means High Temperature High Voltage.							

Test Graphs

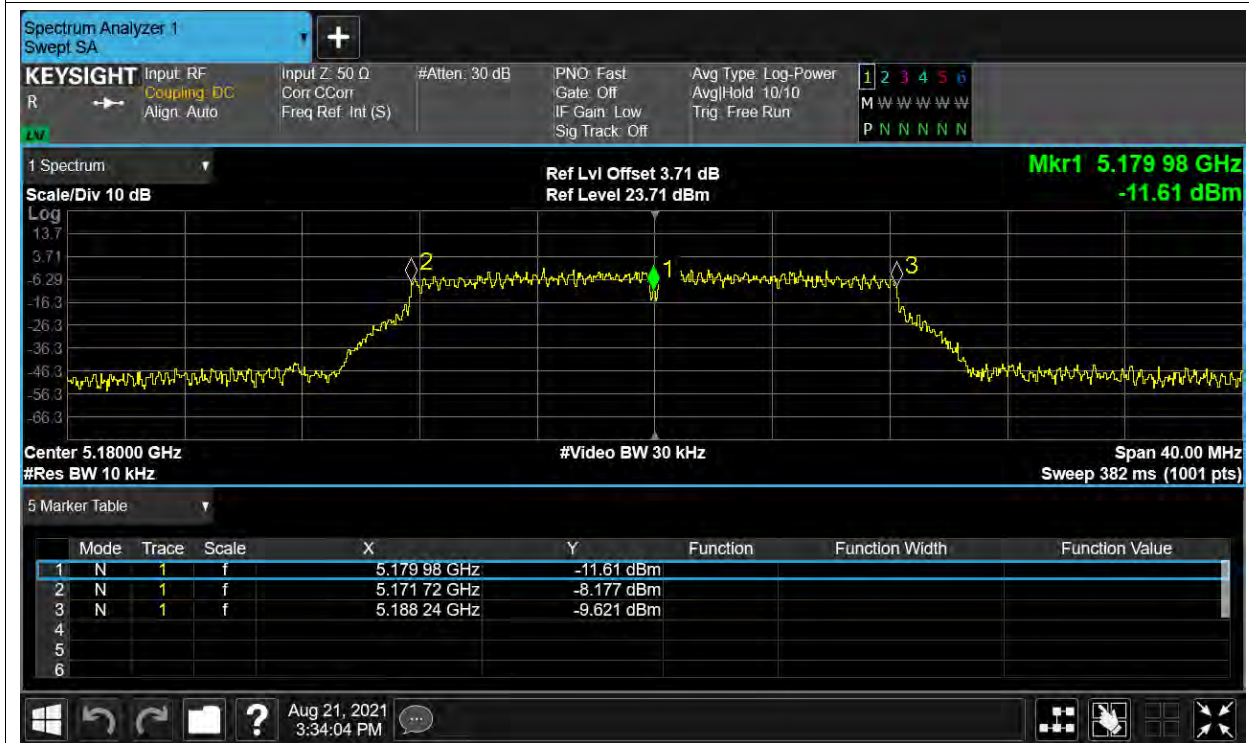
Freq. Stability HVHT a 5180MHz ANT0



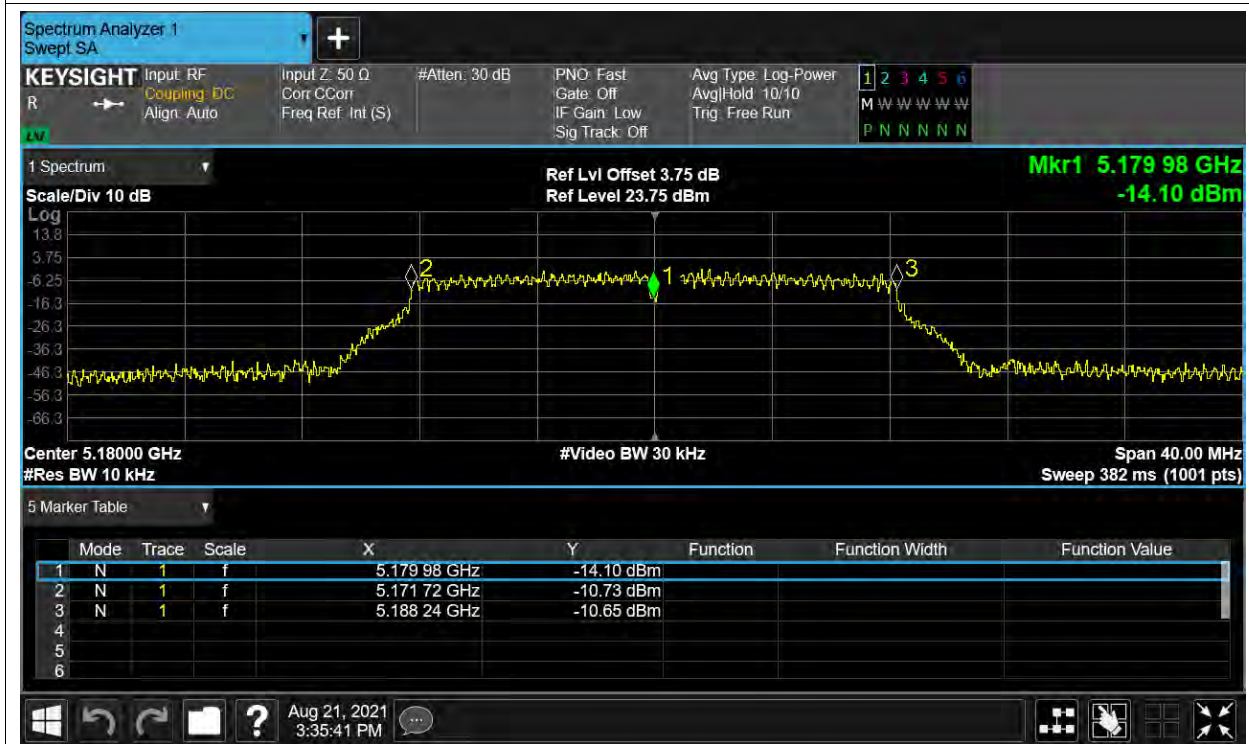
Freq. Stability HVHT a 5180MHz ANT1



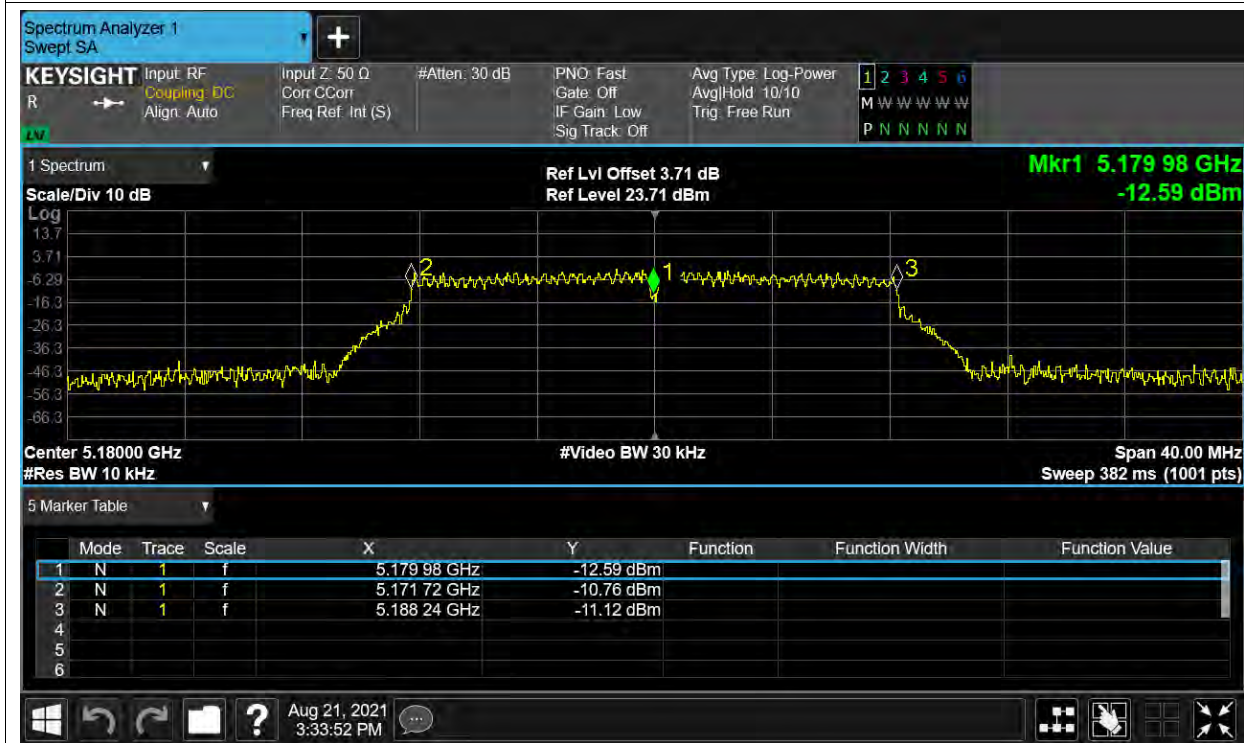
Freq. Stability HVLt a 5180MHz ANT0



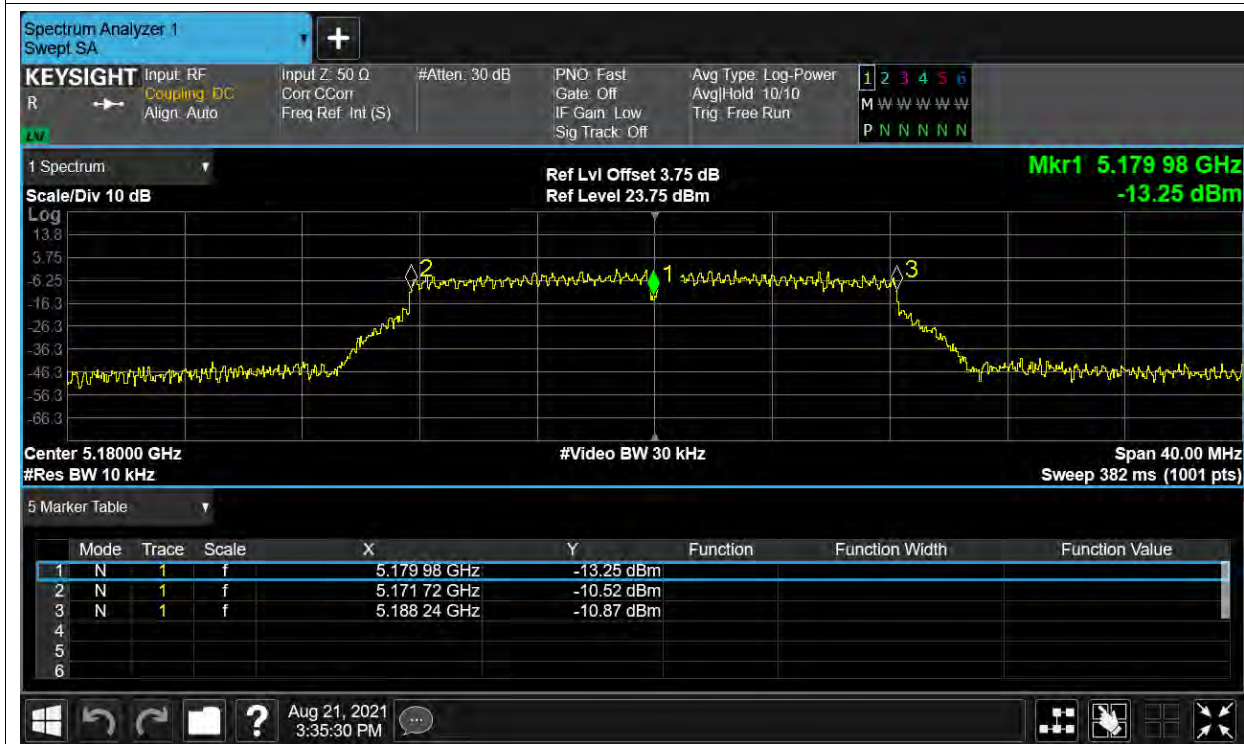
Freq. Stability HVLt a 5180MHz ANT1



Freq. Stability LVHT a 5180MHz ANT0



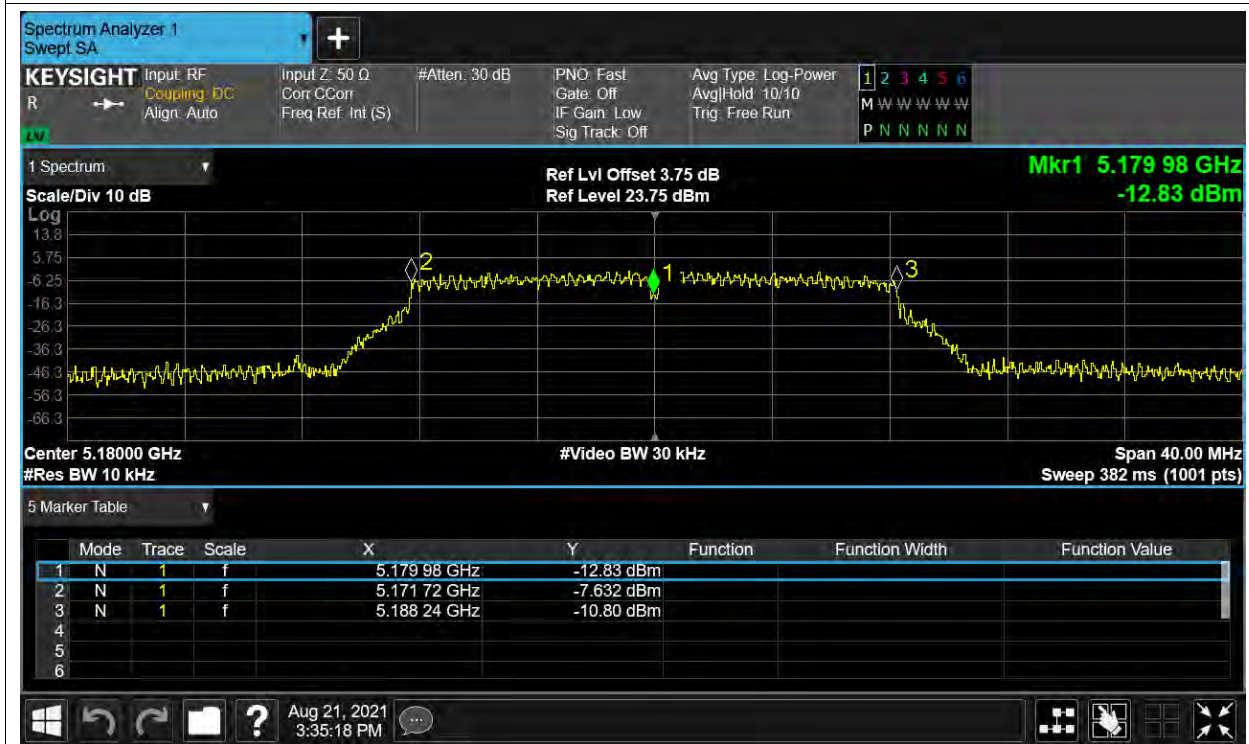
Freq. Stability LVHT a 5180MHz ANT1



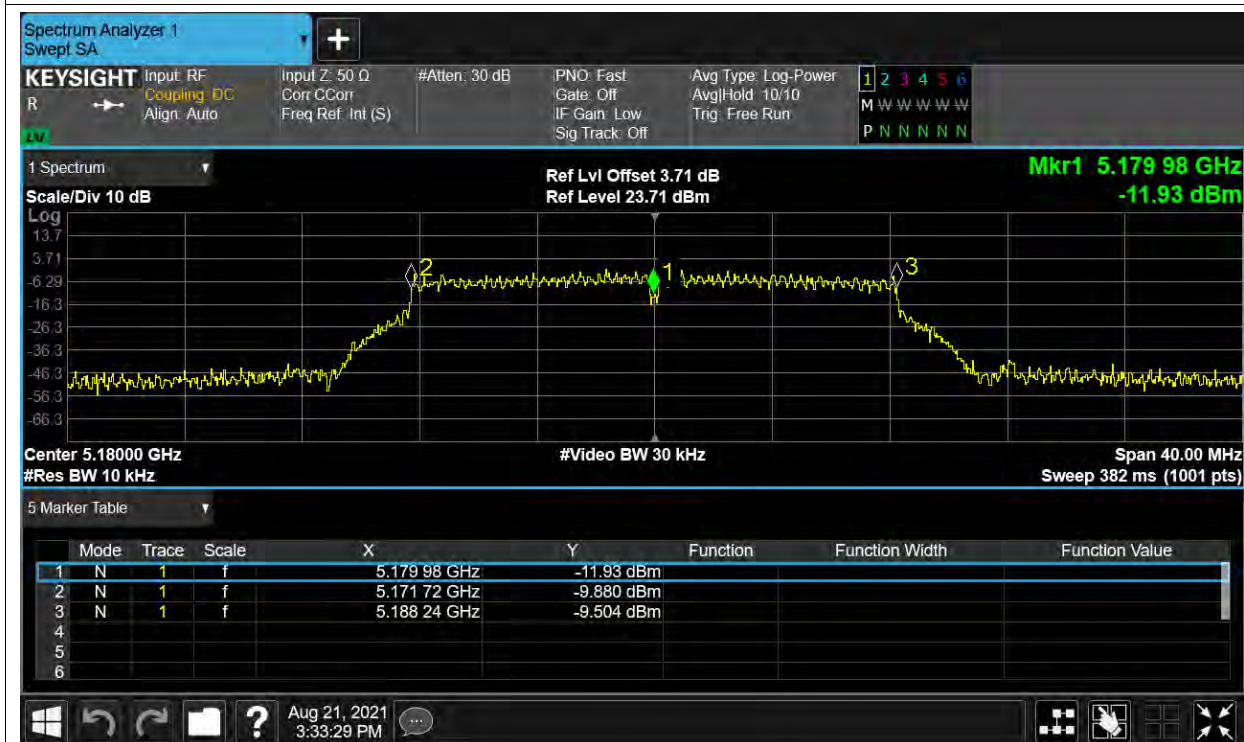
Freq. Stability LVLT a 5180MHz ANT0



Freq. Stability LVLT a 5180MHz ANT1



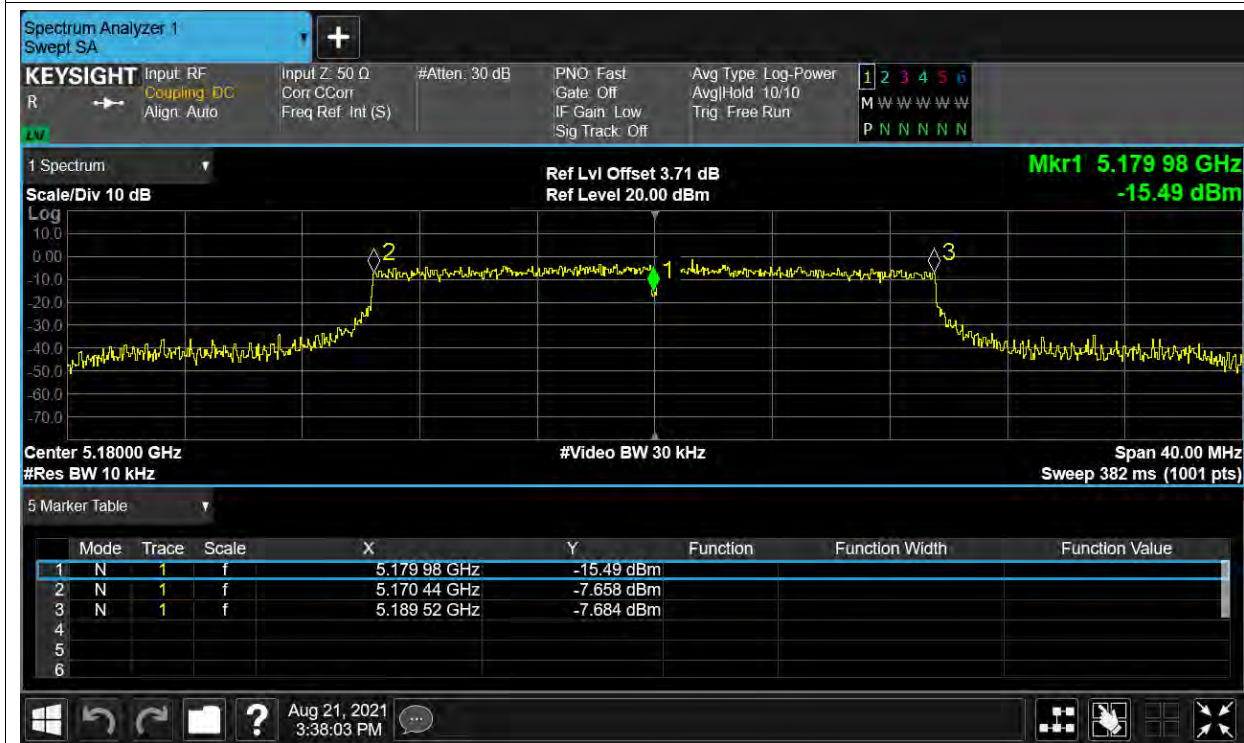
Freq. Stability NVNT a 5180MHz ANT0



Freq. Stability NVNT a 5180MHz ANT1



Freq. Stability HVHT ax20 5180MHz MIMO



Freq. Stability HVLt ax20 5180MHz MIMO



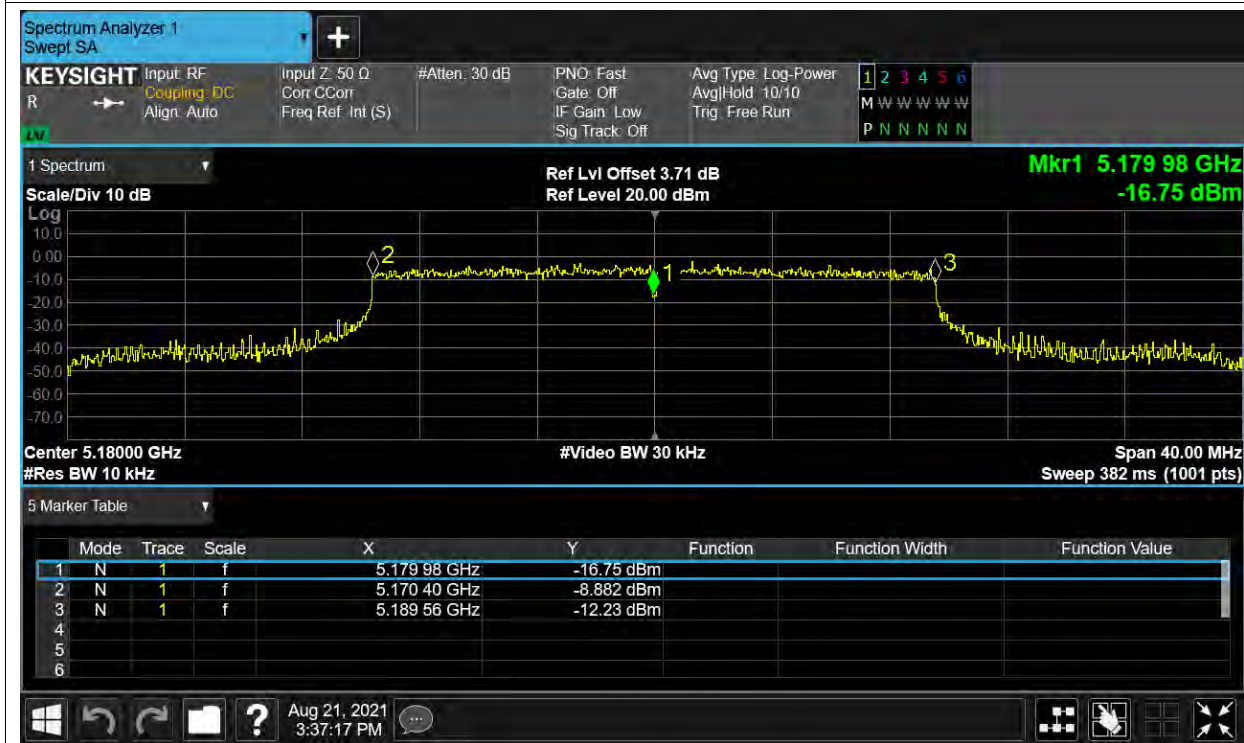
Freq. Stability LVHT ax20 5180MHz MIMO



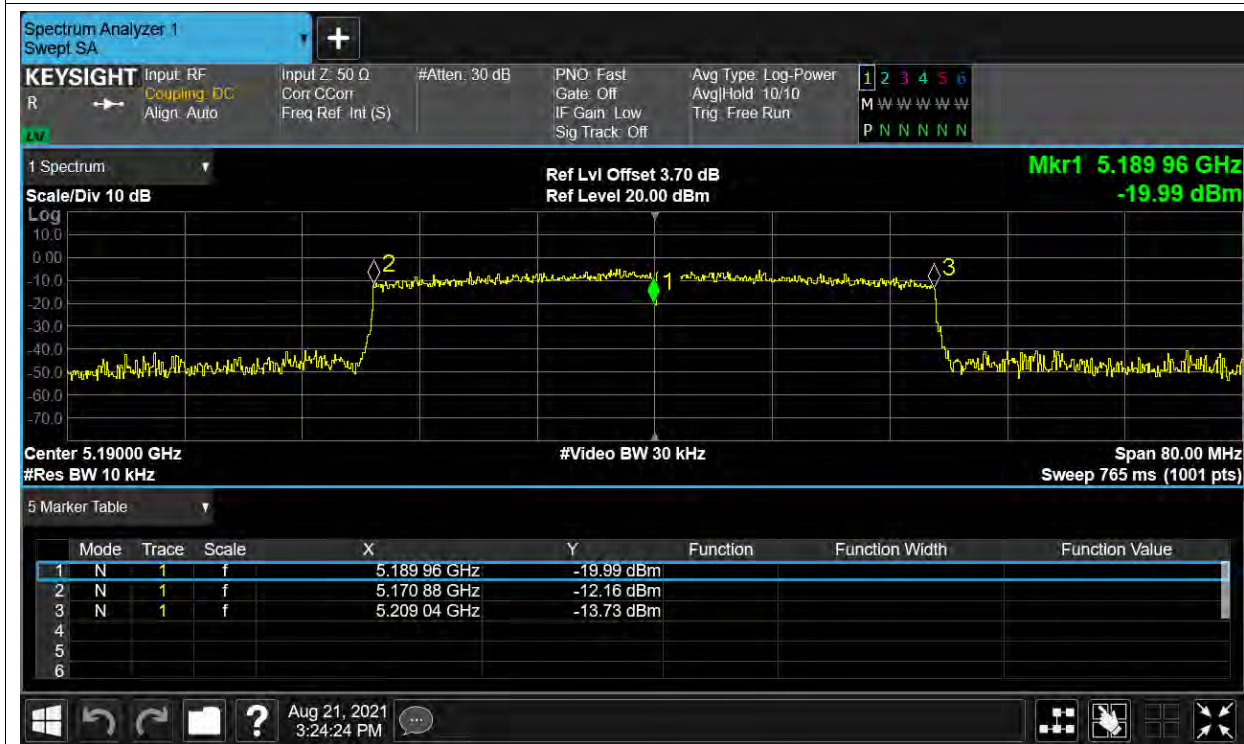
Freq. Stability LVL T ax20 5180MHz MIMO



Freq. Stability NVNT ax20 5180MHz MIMO



Freq. Stability HVHT ax40 5190MHz MIMO



Freq. Stability HVLT ax40 5190MHz MIMO



Freq. Stability LVHT ax40 5190MHz MIMO



Freq. Stability LVLTL ax40 5190MHz MIMO



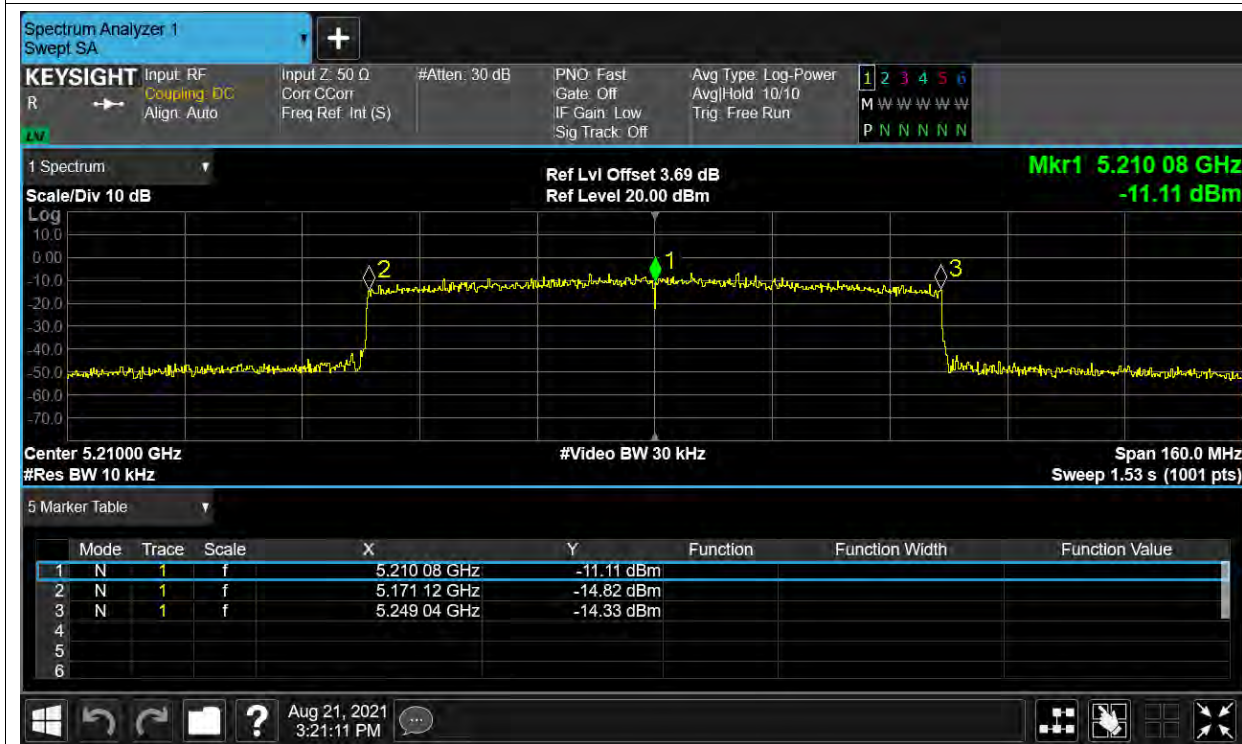
Freq. Stability NVNT ax40 5190MHz MIMO



Freq. Stability HVHT ax80 5210MHz MIMO



Freq. Stability HVLt ax80 5210MHz MIMO



Freq. Stability LVHT ax80 5210MHz MIMO



Freq. Stability LVLt ax80 5210MHz MIMO



Freq. Stability NVNT ax80 5210MHz MIMO



Freq. Stability HVHT n40 5190MHz ANT0



Freq. Stability HVHT n40 5190MHz ANT1



Freq. Stability HVLT n40 5190MHz ANT0



Freq. Stability HVLT n40 5190MHz ANT1



Freq. Stability LVHT n40 5190MHz ANT0



Freq. Stability LVHT n40 5190MHz ANT1



Freq. Stability LVLT n40 5190MHz ANT0

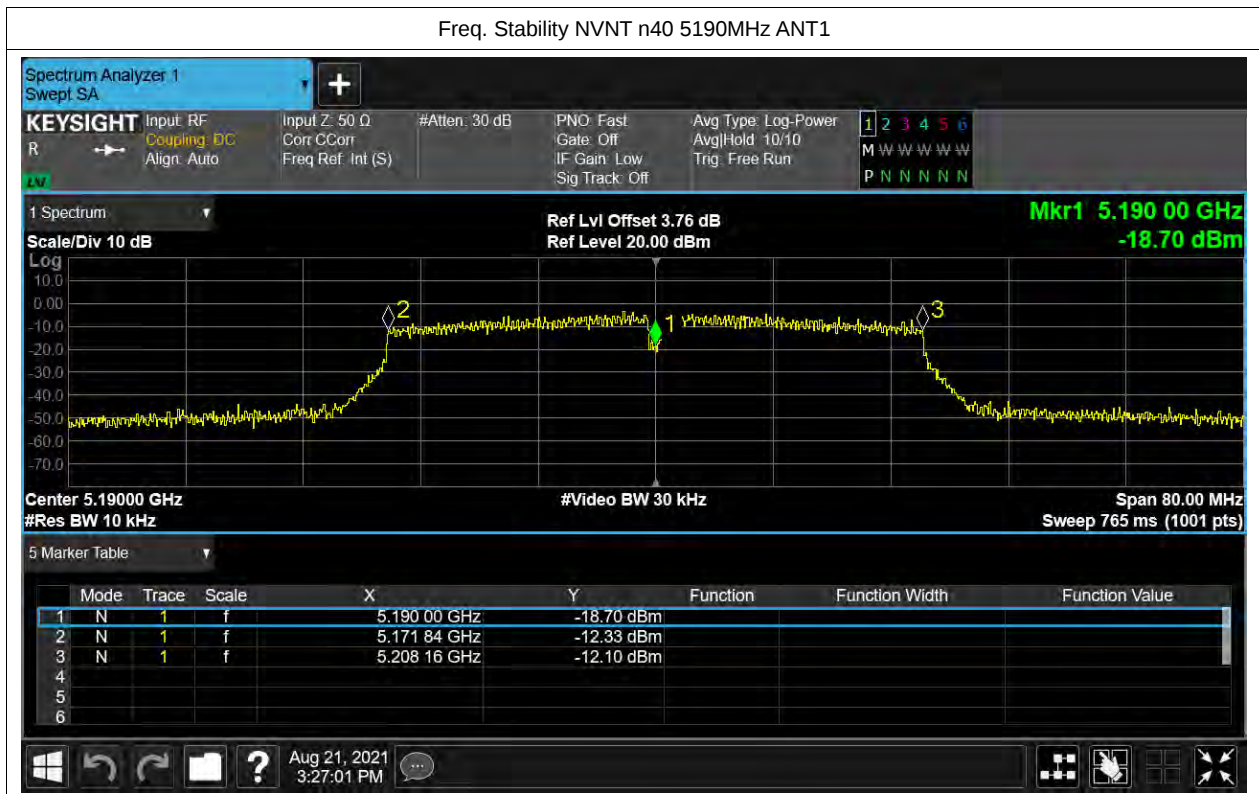


Freq. Stability LVL T n40 5190MHz ANT1



Freq. Stability NVNT n40 5190MHz ANT0



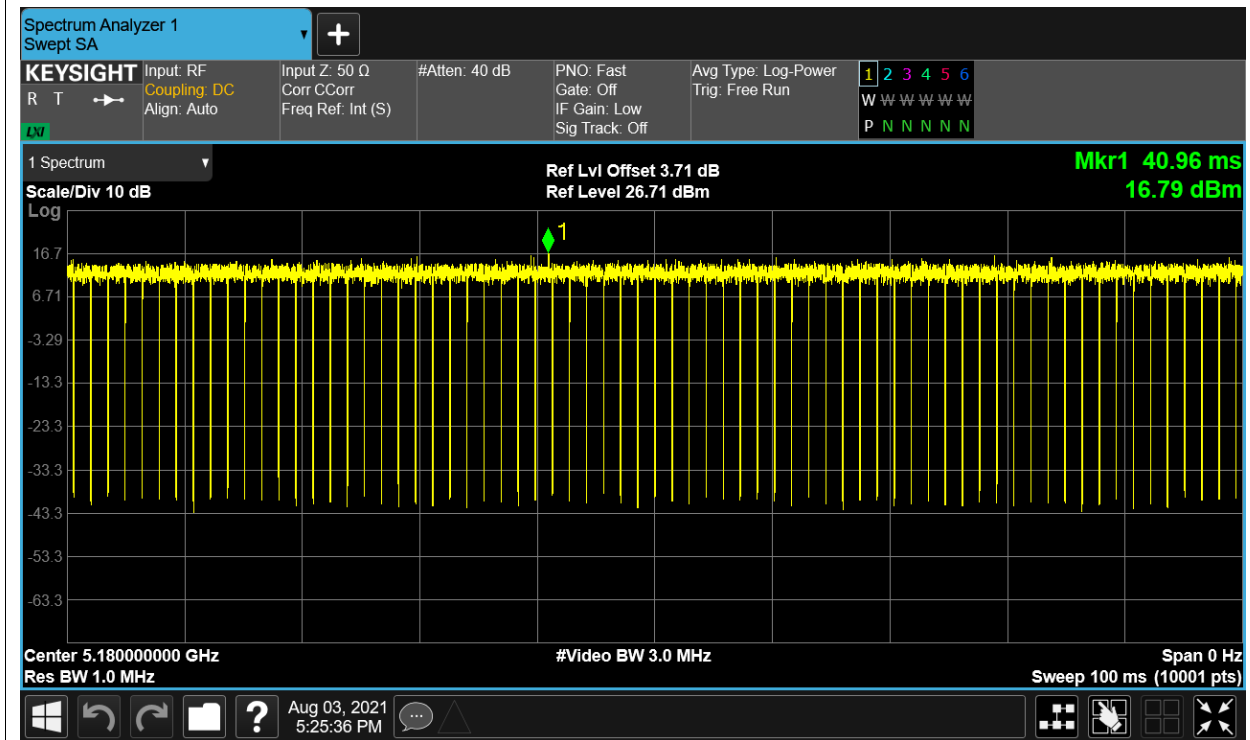


Duty Cycle

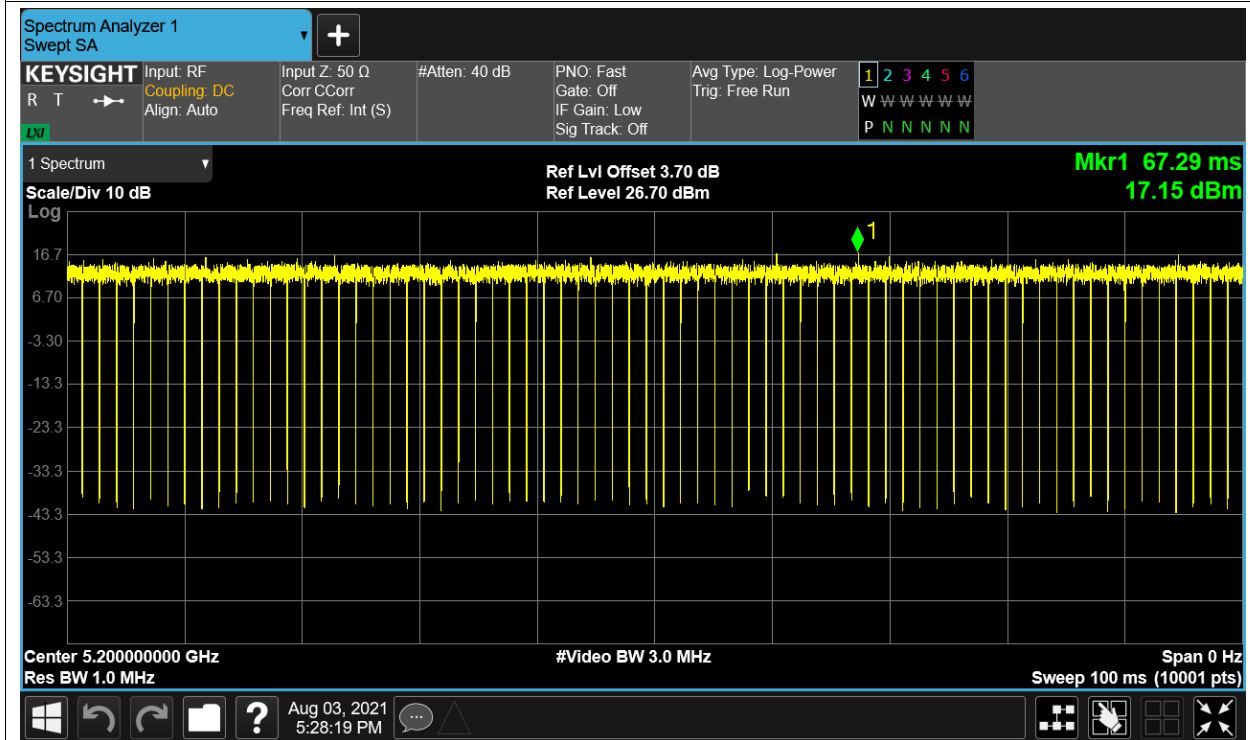
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	ANT0	99.08	0.04
NVNT	a	5200	ANT0	98.9	0.05
NVNT	a	5240	ANT0	98.83	0.05
NVNT	a	5180	ANT1	99.15	0.04
NVNT	a	5200	ANT1	99.01	0.04
NVNT	a	5240	ANT1	98.73	0.06
NVNT	ac20	5180	MIMO	98.49	0.07
NVNT	ac20	5200	MIMO	97.95	0.09
NVNT	ac20	5240	MIMO	97.35	0.12
NVNT	ac40	5190	MIMO	98.15	0.08
NVNT	ac40	5230	MIMO	98.35	0.07
NVNT	ac80	5210	MIMO	98.08	0.08
NVNT	ax20	5180	MIMO	98.98	0.04
NVNT	ax20	5200	MIMO	98.67	0.06
NVNT	ax20	5240	MIMO	98.08	0.08
NVNT	ax40	5190	MIMO	98.49	0.07
NVNT	ax40	5230	MIMO	98.26	0.08
NVNT	ax80	5210	MIMO	98.12	0.08
NVNT	n20	5180	ANT0	99.14	0.04
NVNT	n20	5200	ANT0	99.01	0.04
NVNT	n20	5240	ANT0	98.5	0.07
NVNT	n20	5180	ANT1	99.19	0.04
NVNT	n20	5200	ANT1	98.89	0.05
NVNT	n20	5240	ANT1	98.44	0.07
NVNT	n40	5190	ANT0	98.27	0.08
NVNT	n40	5230	ANT0	98.24	0.08
NVNT	n40	5190	ANT1	98.18	0.08
NVNT	n40	5230	ANT1	98.19	0.08

Test Graphs

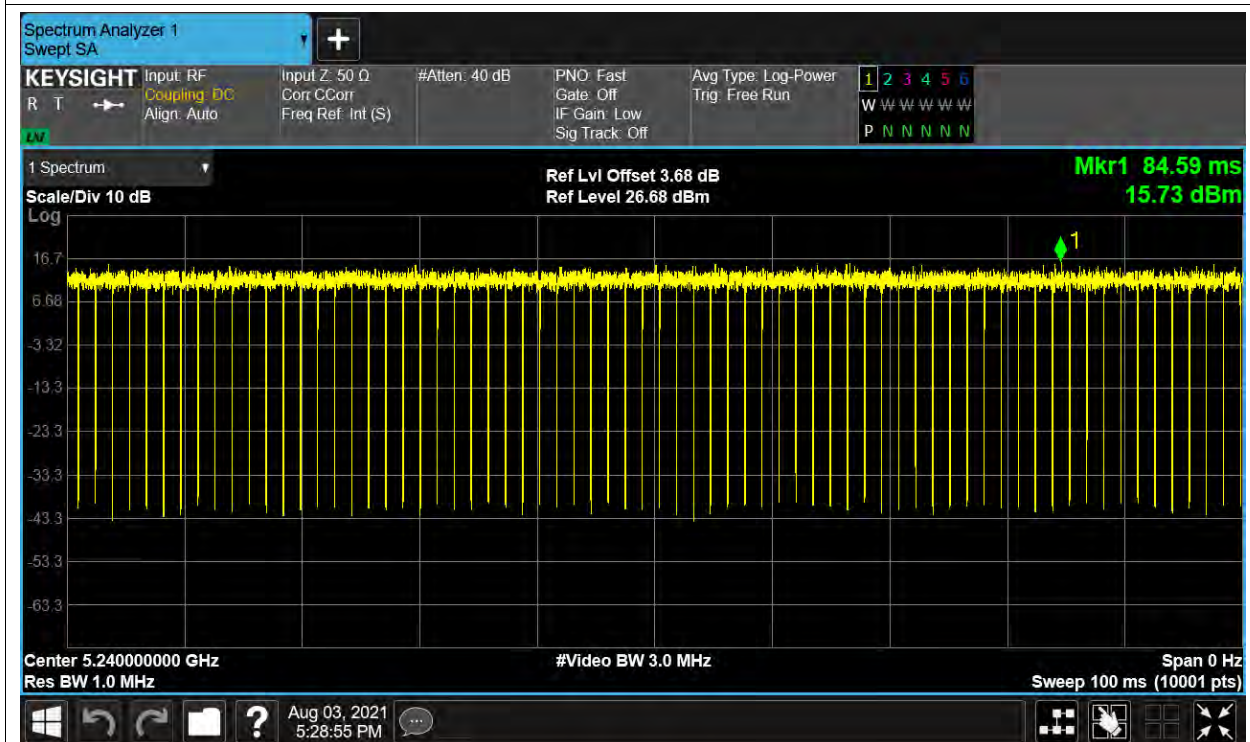
Duty Cycle NVNT a 5180MHz ANT0



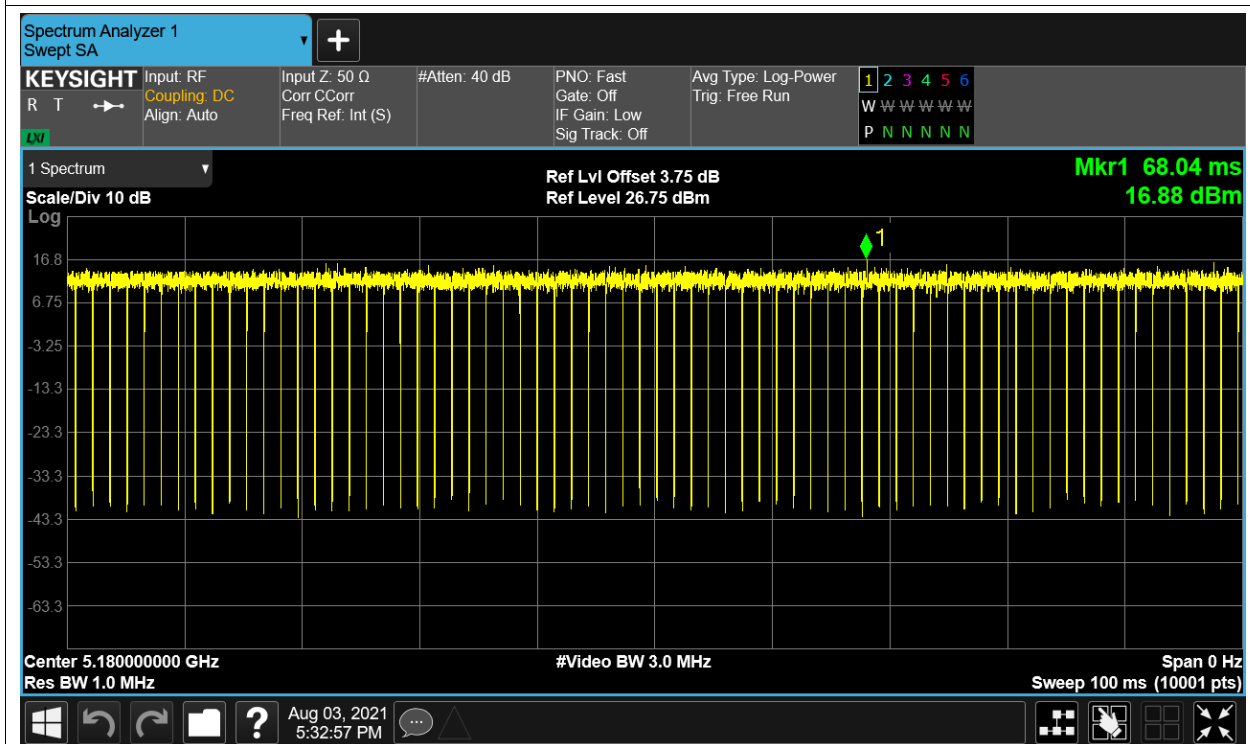
Duty Cycle NVNT a 5200MHz ANT0

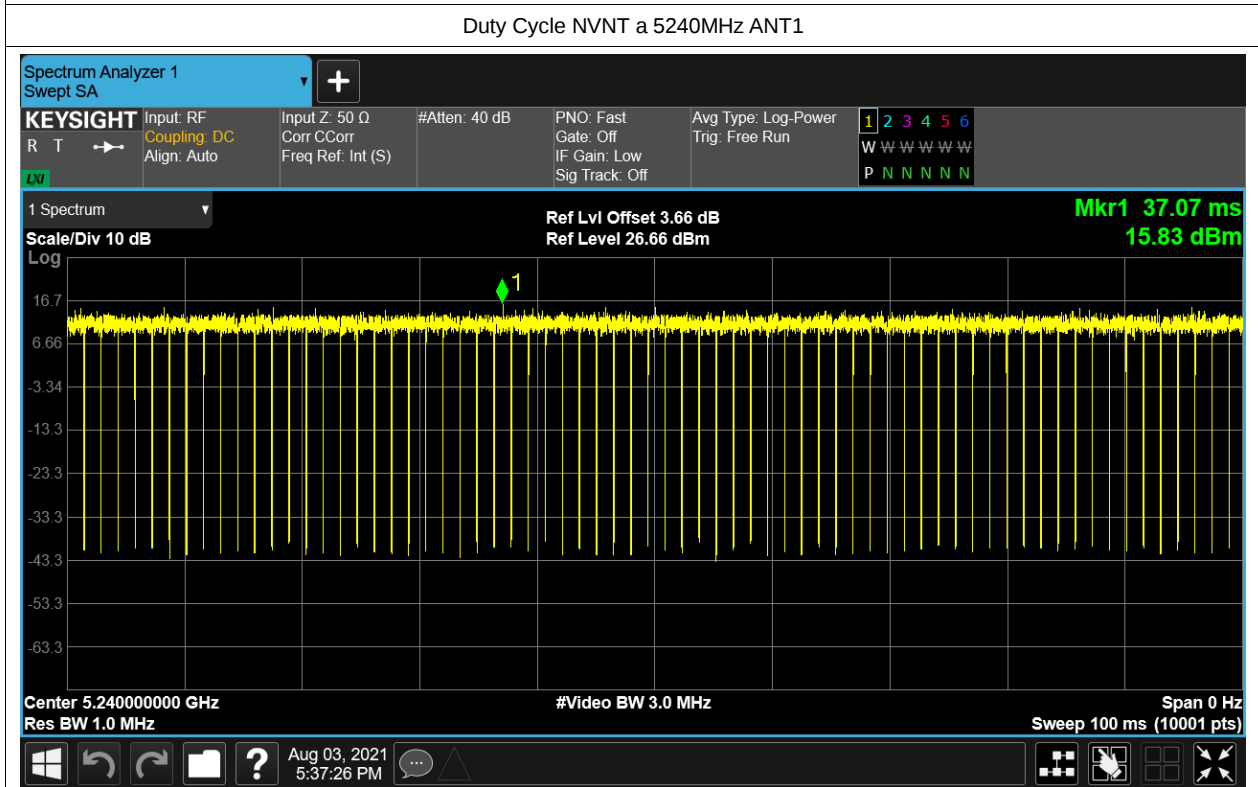
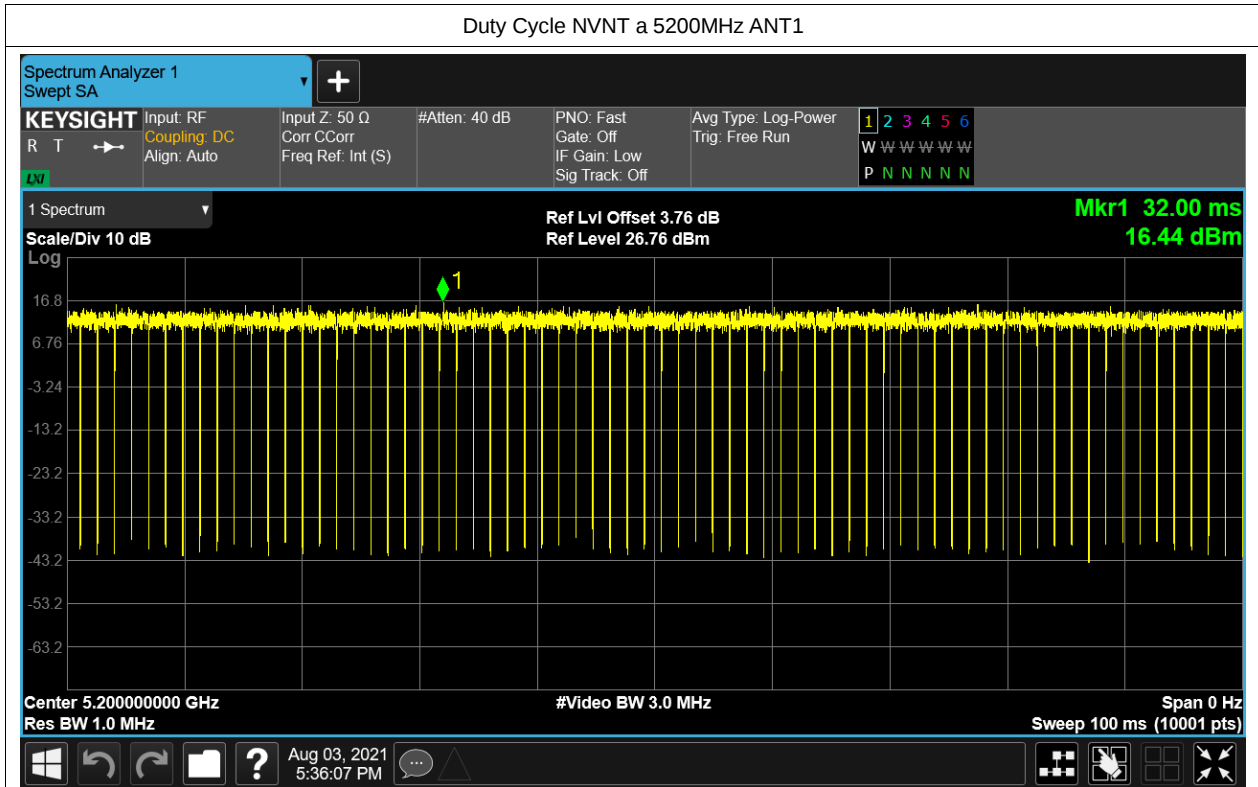


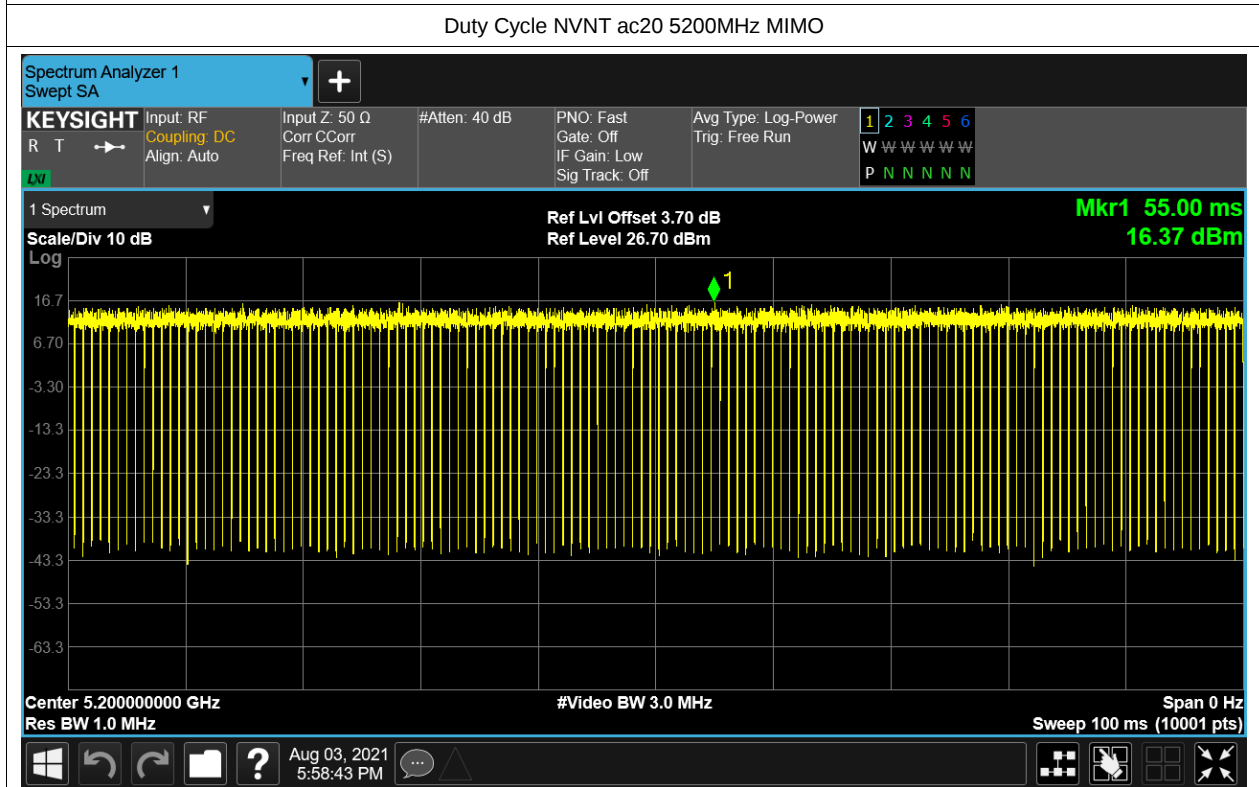
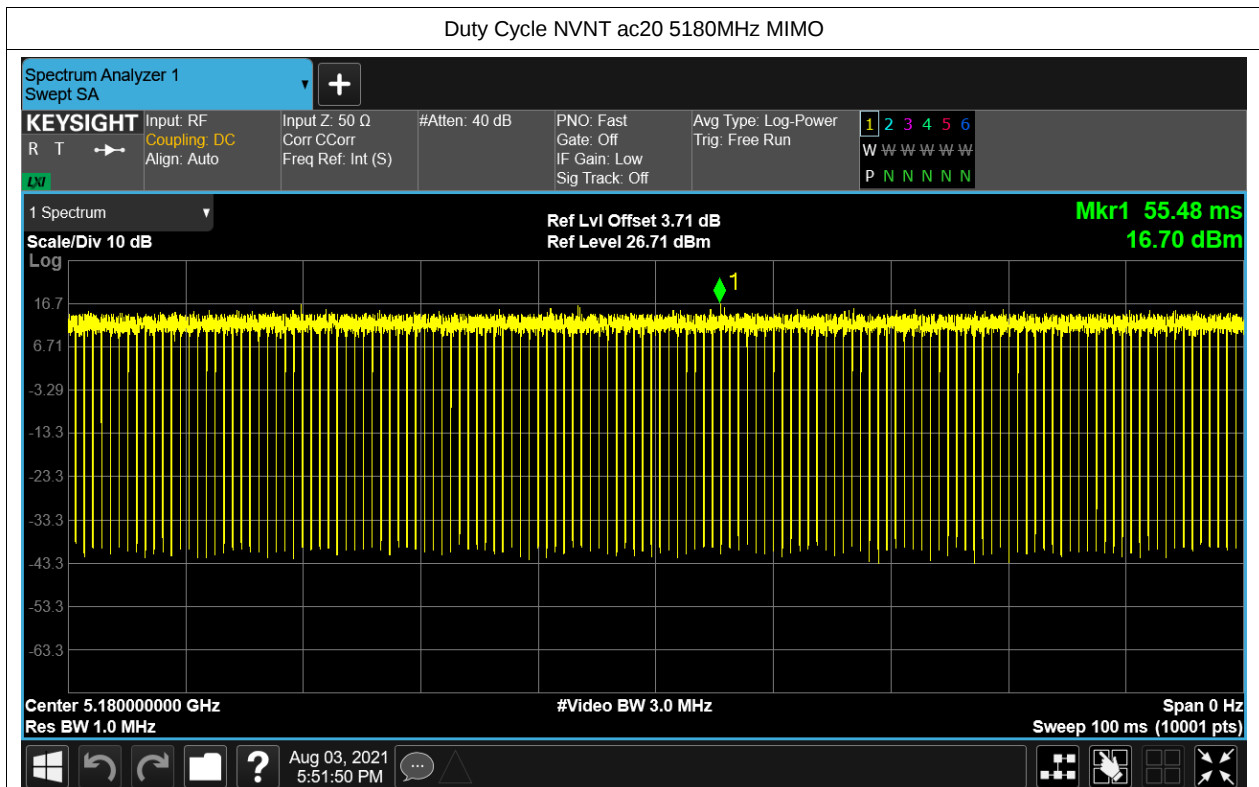
Duty Cycle NVNT a 5240MHz ANT0

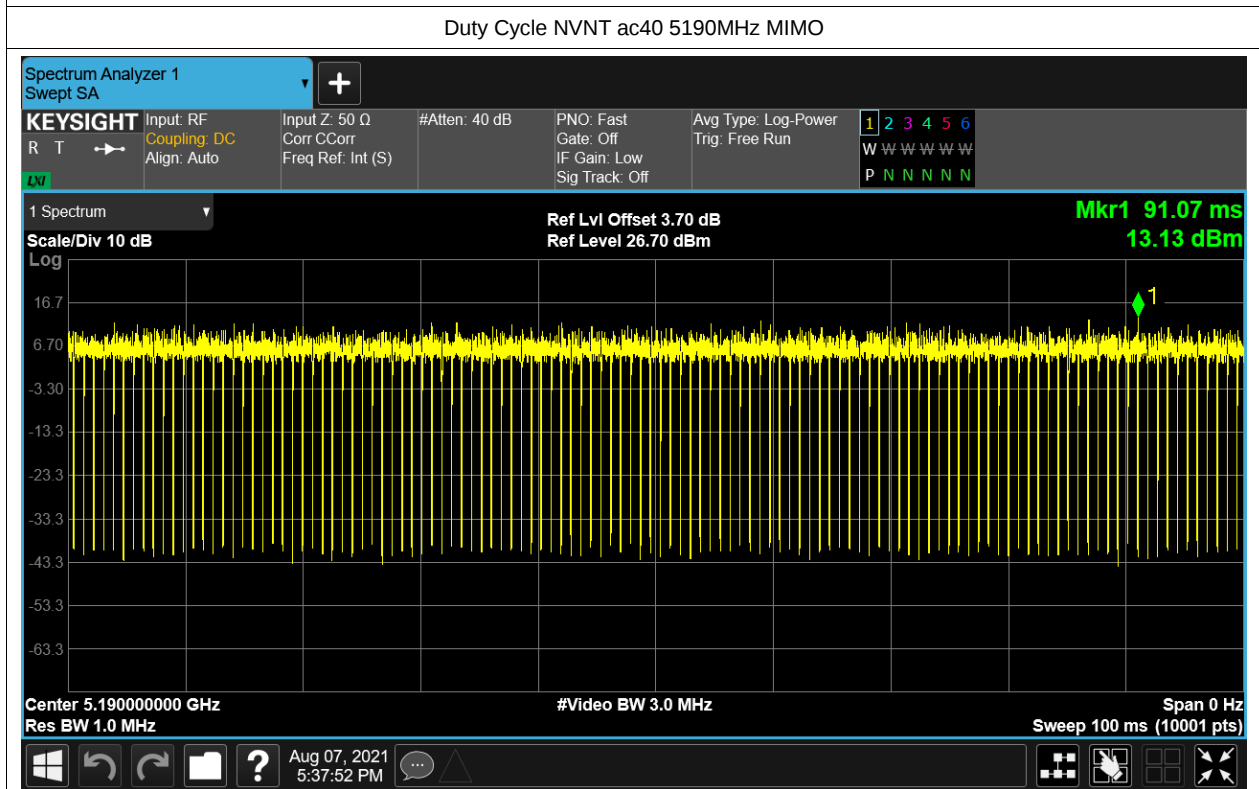
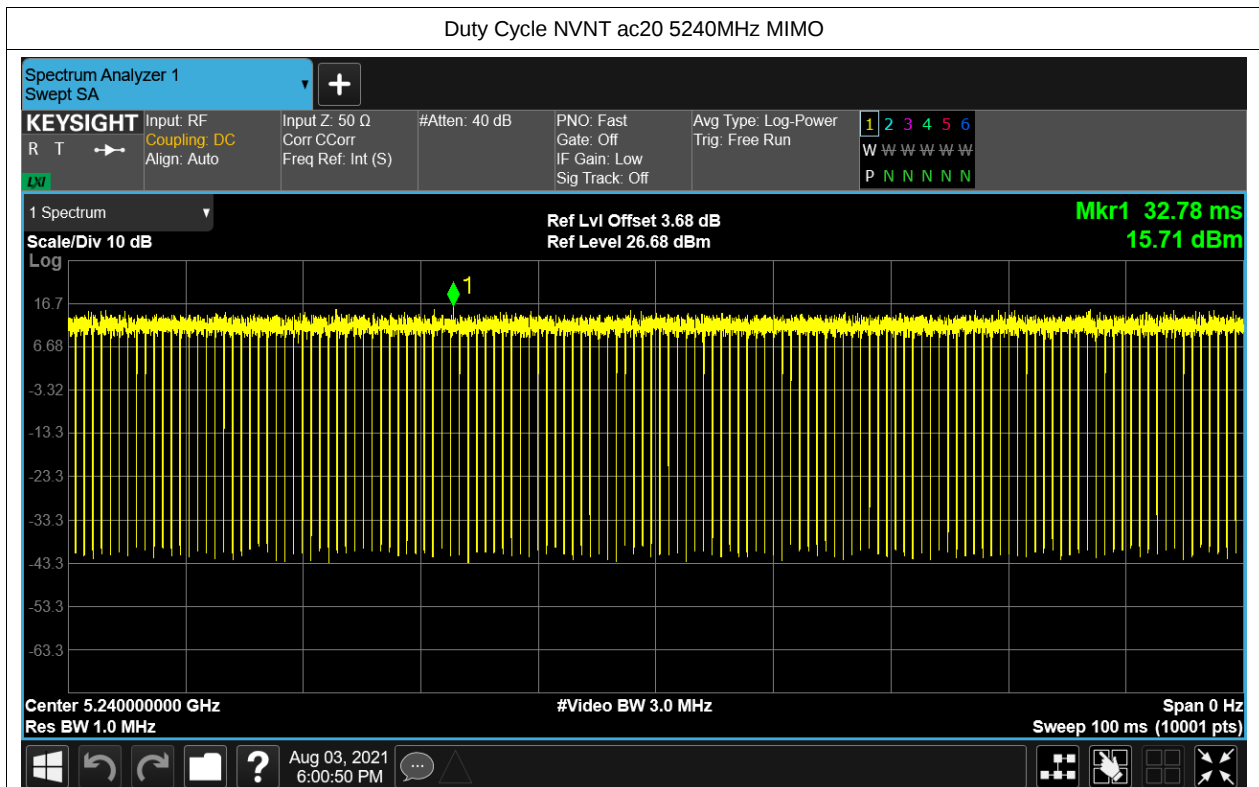


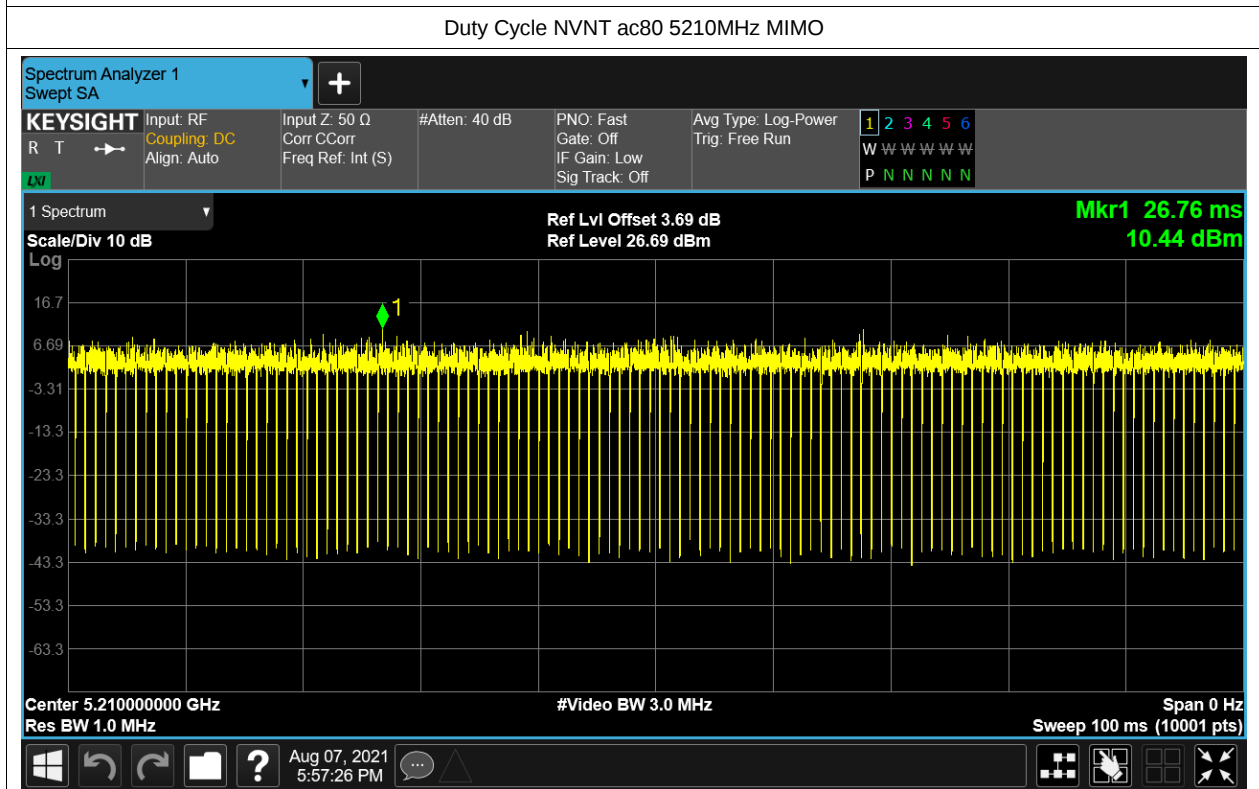
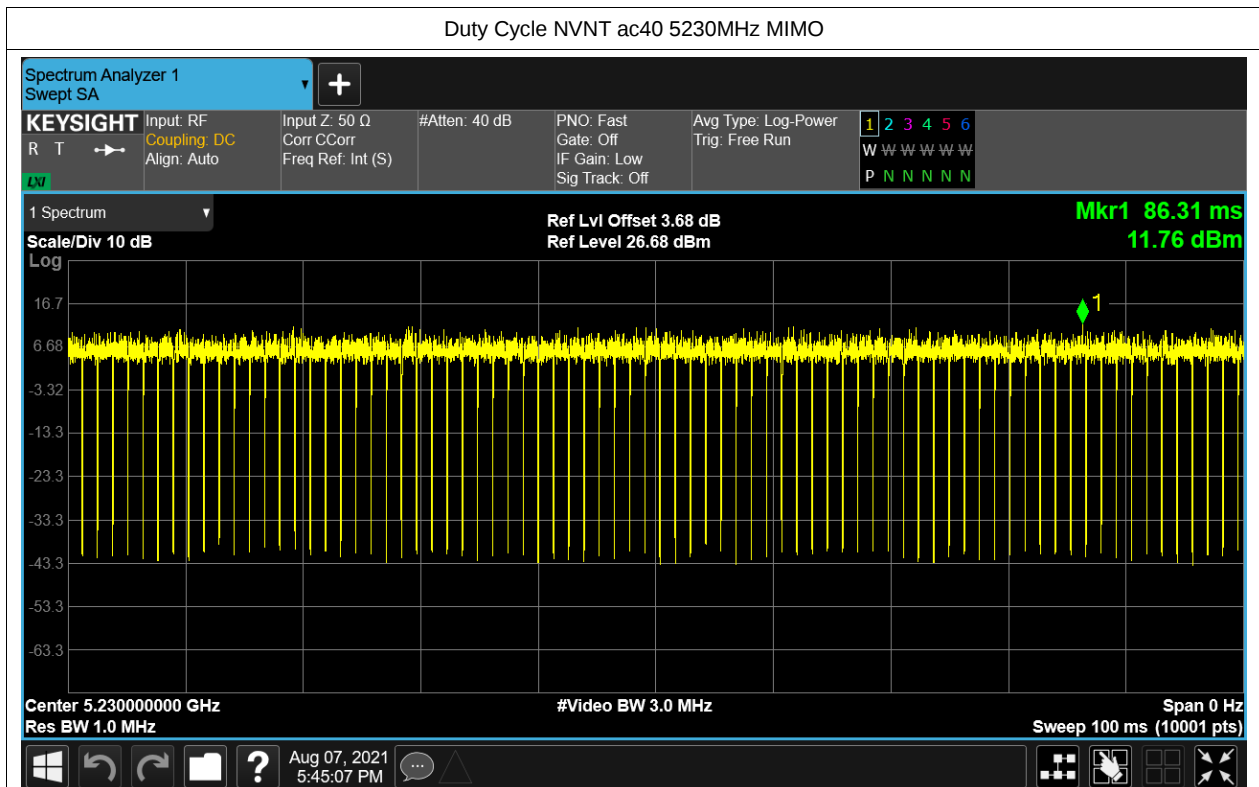
Duty Cycle NVNT a 5180MHz ANT1

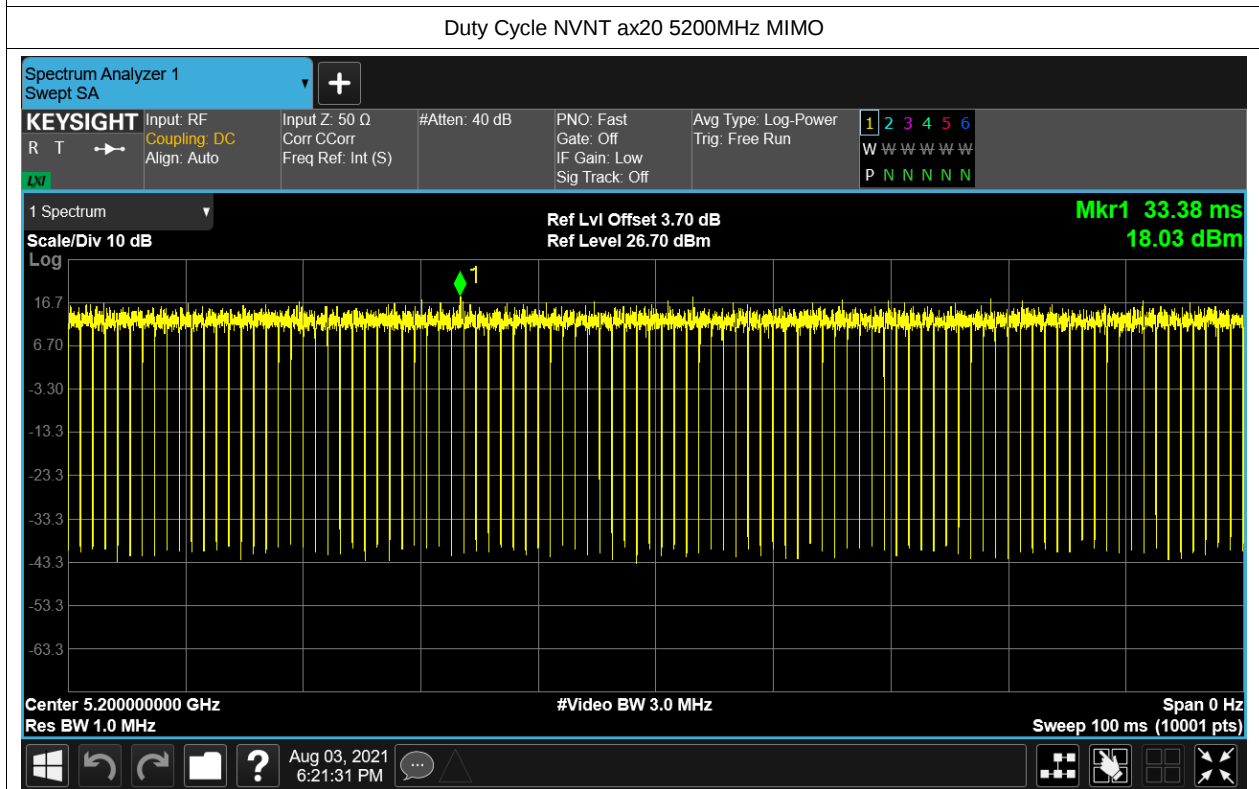
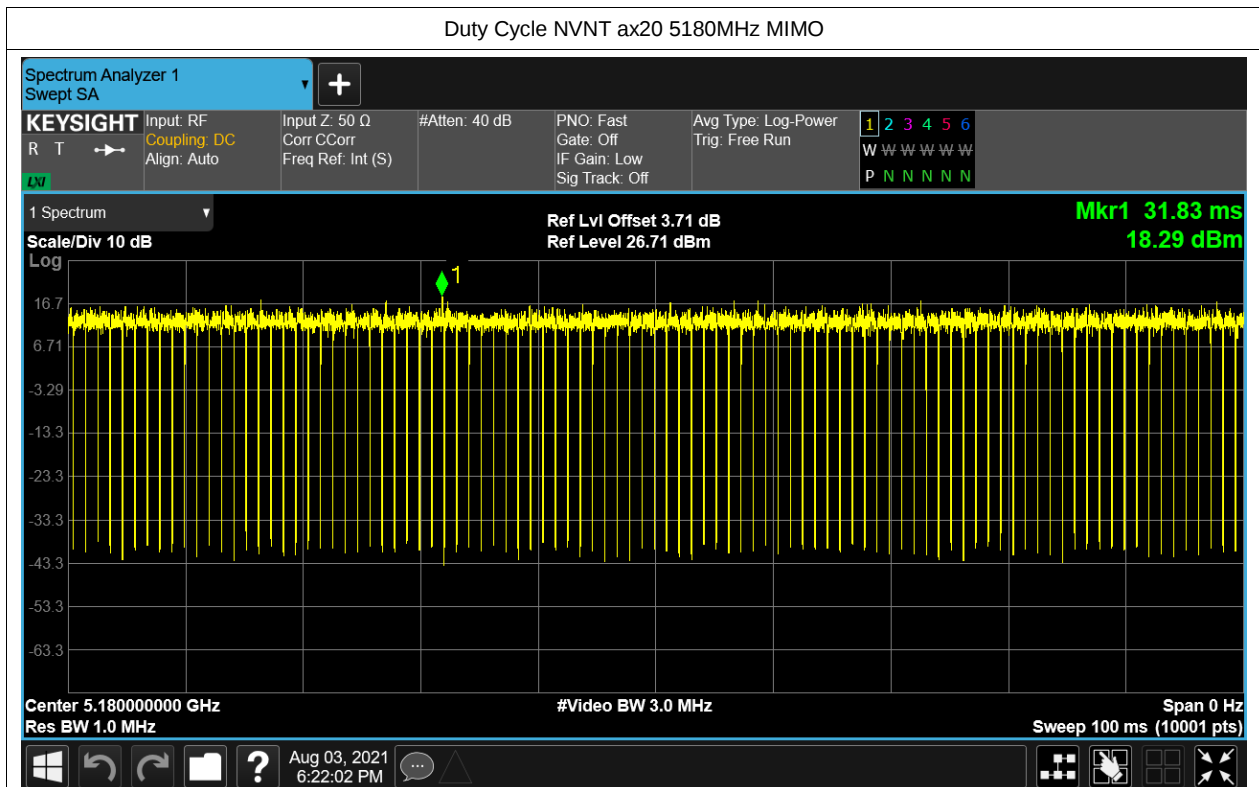


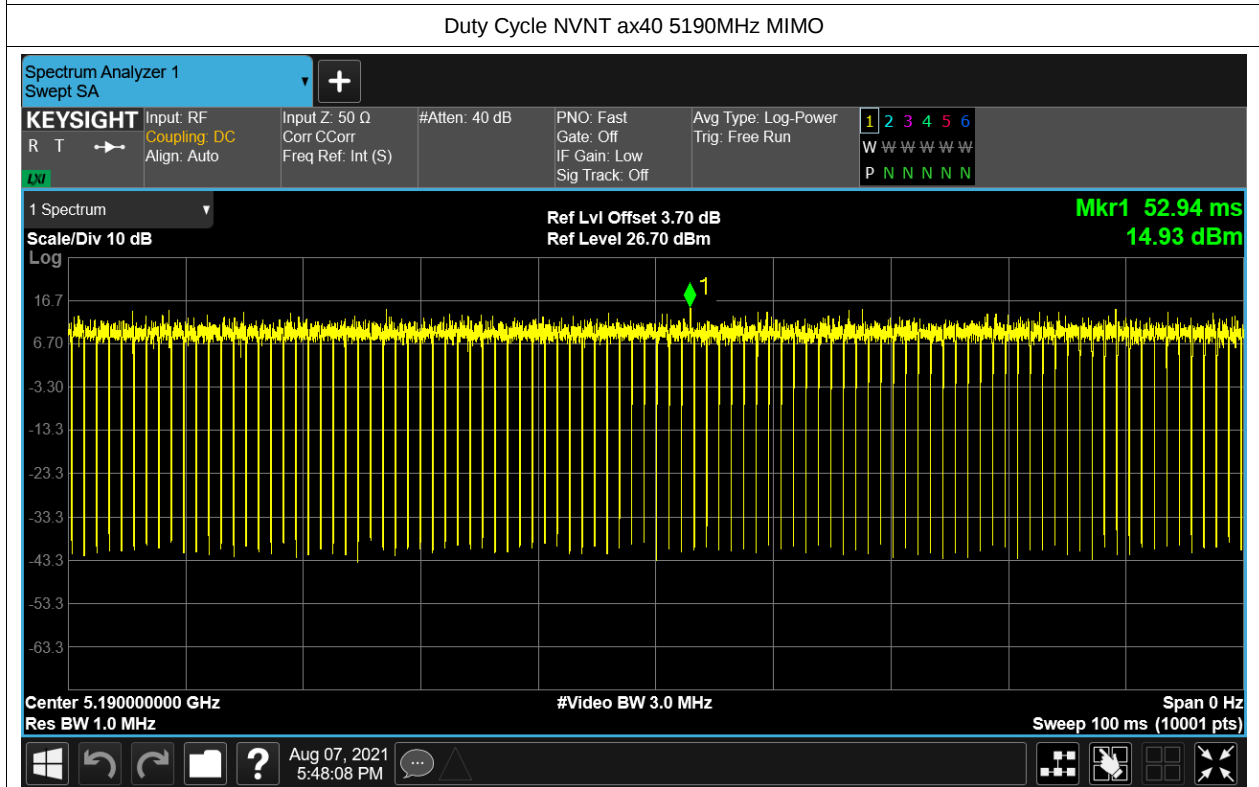
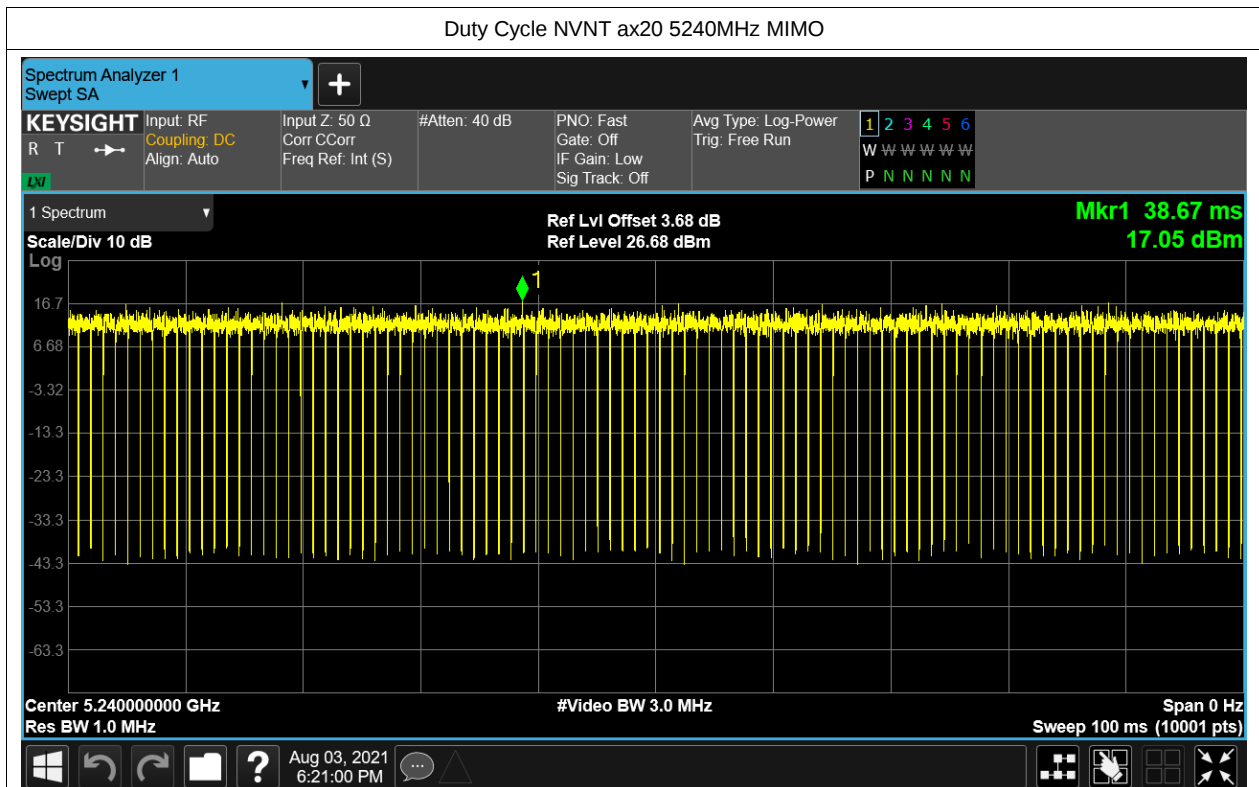


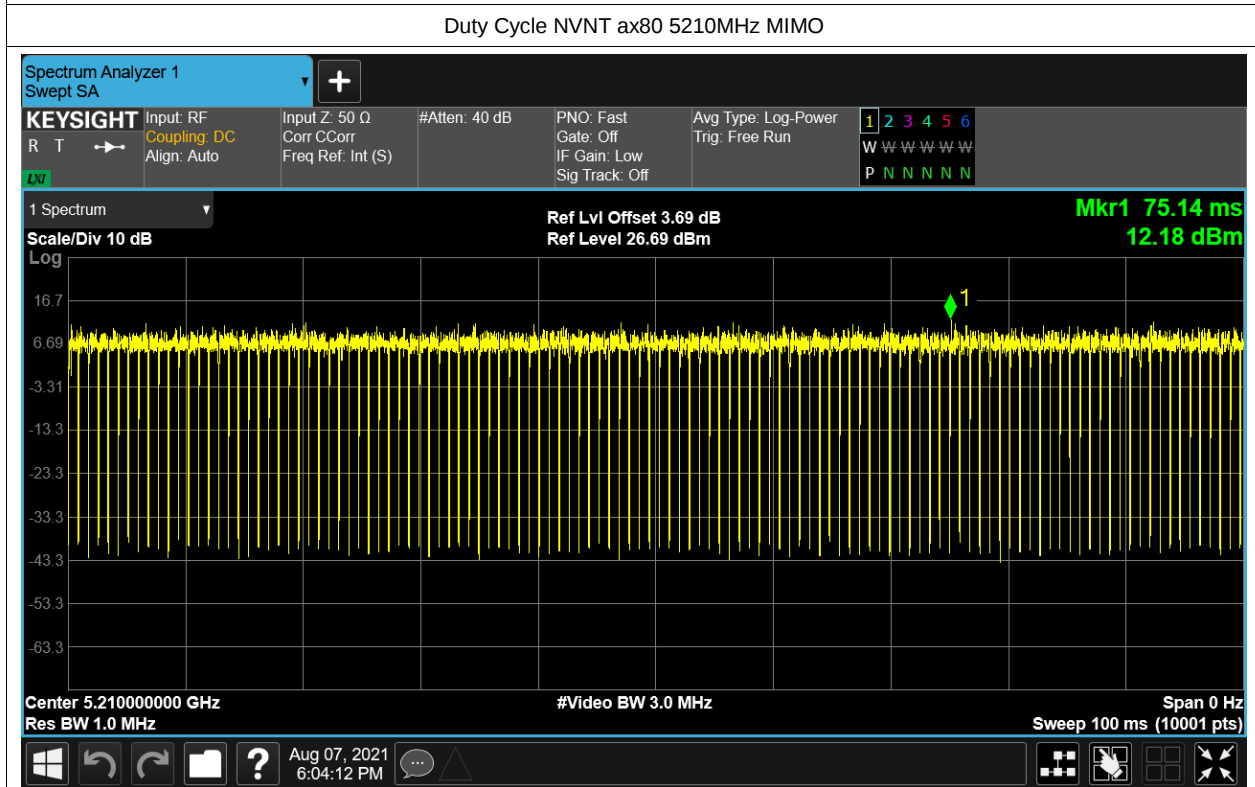
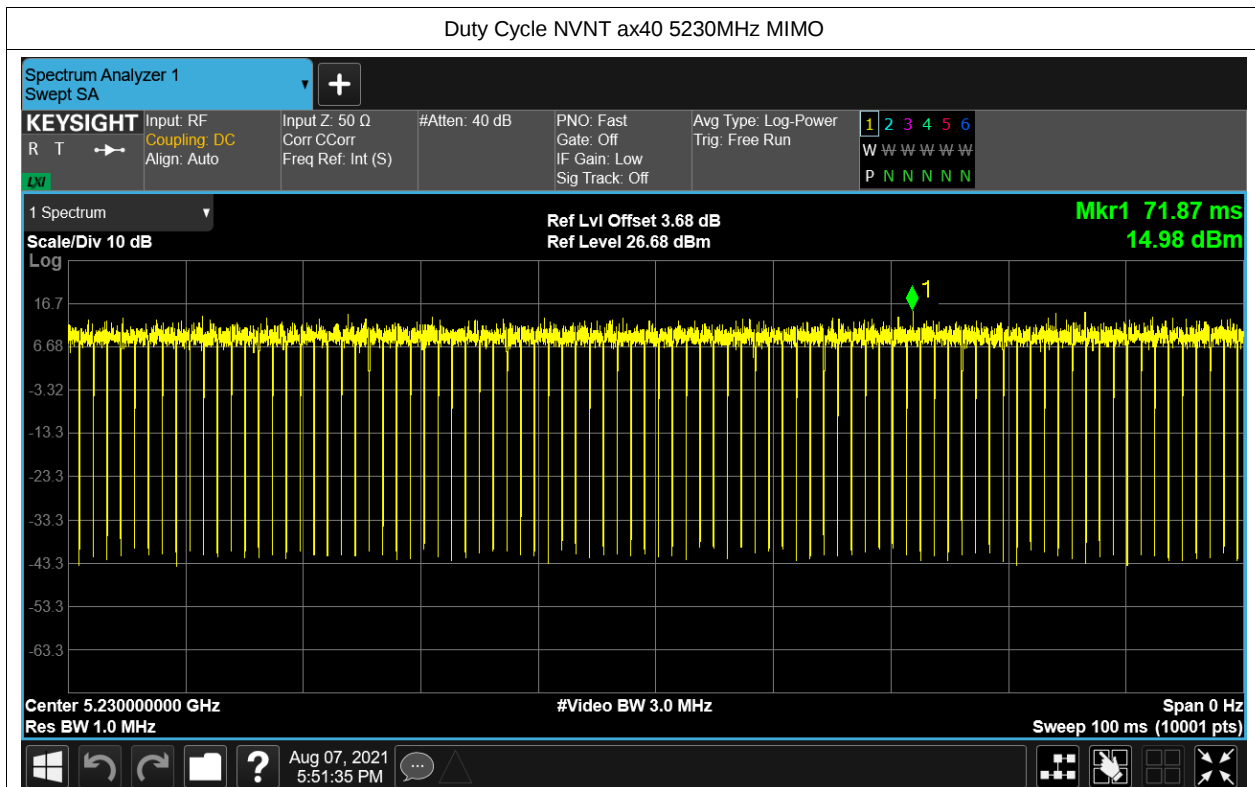




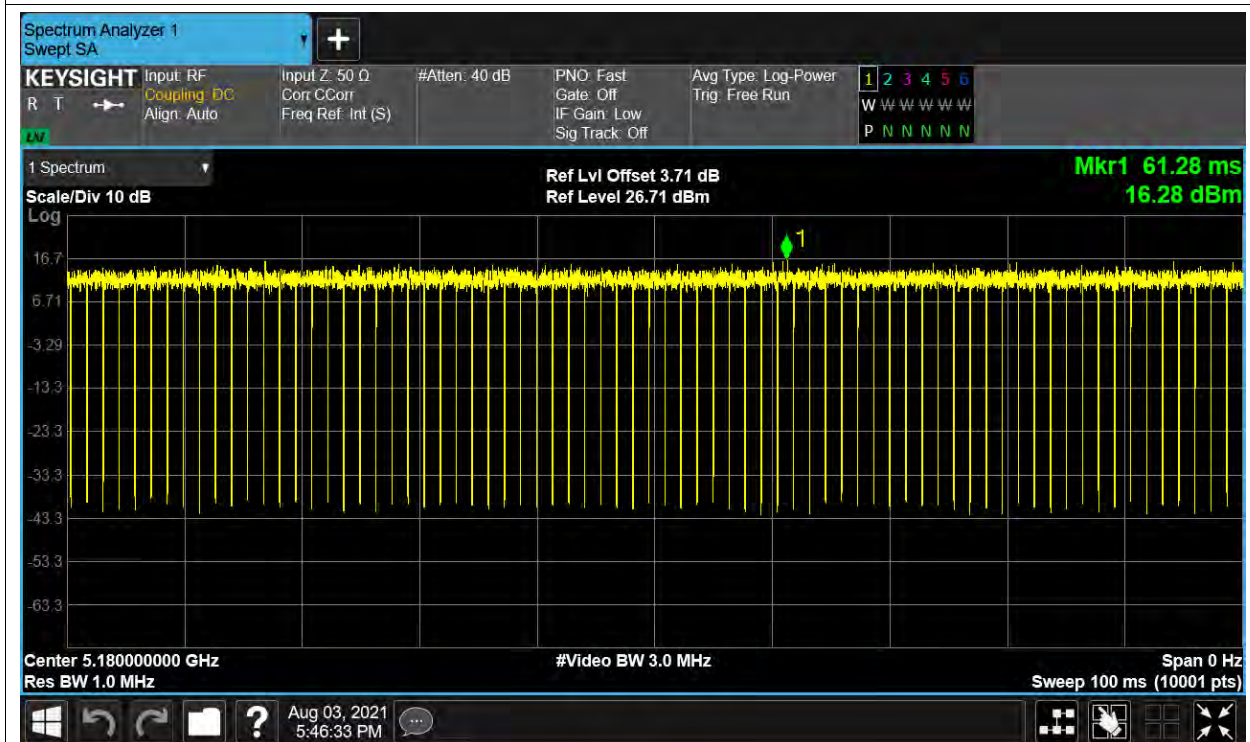




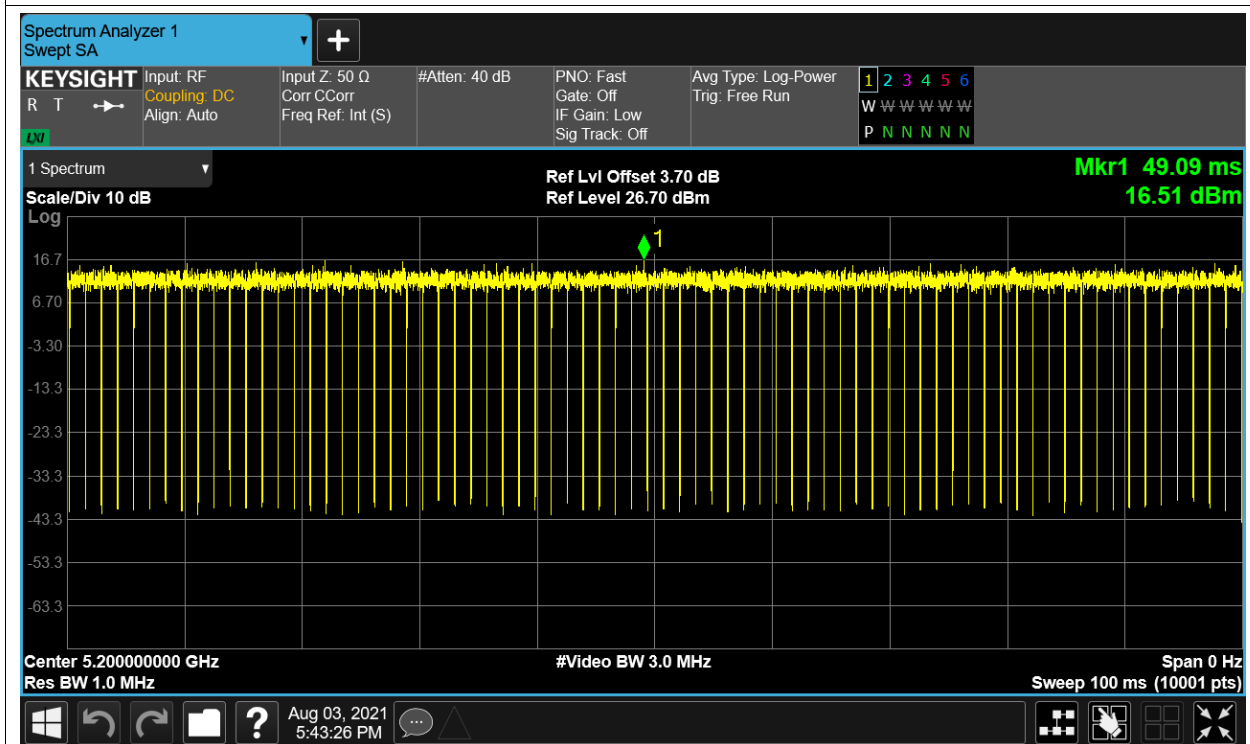


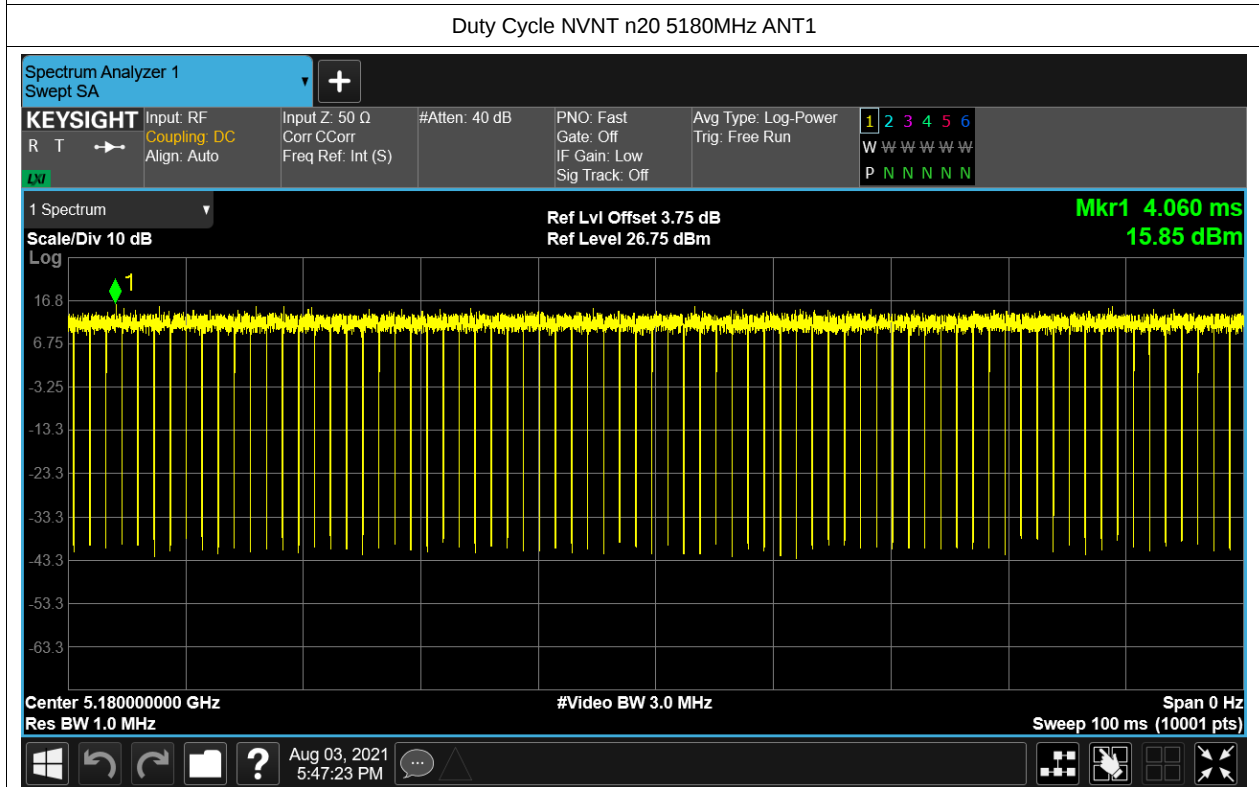
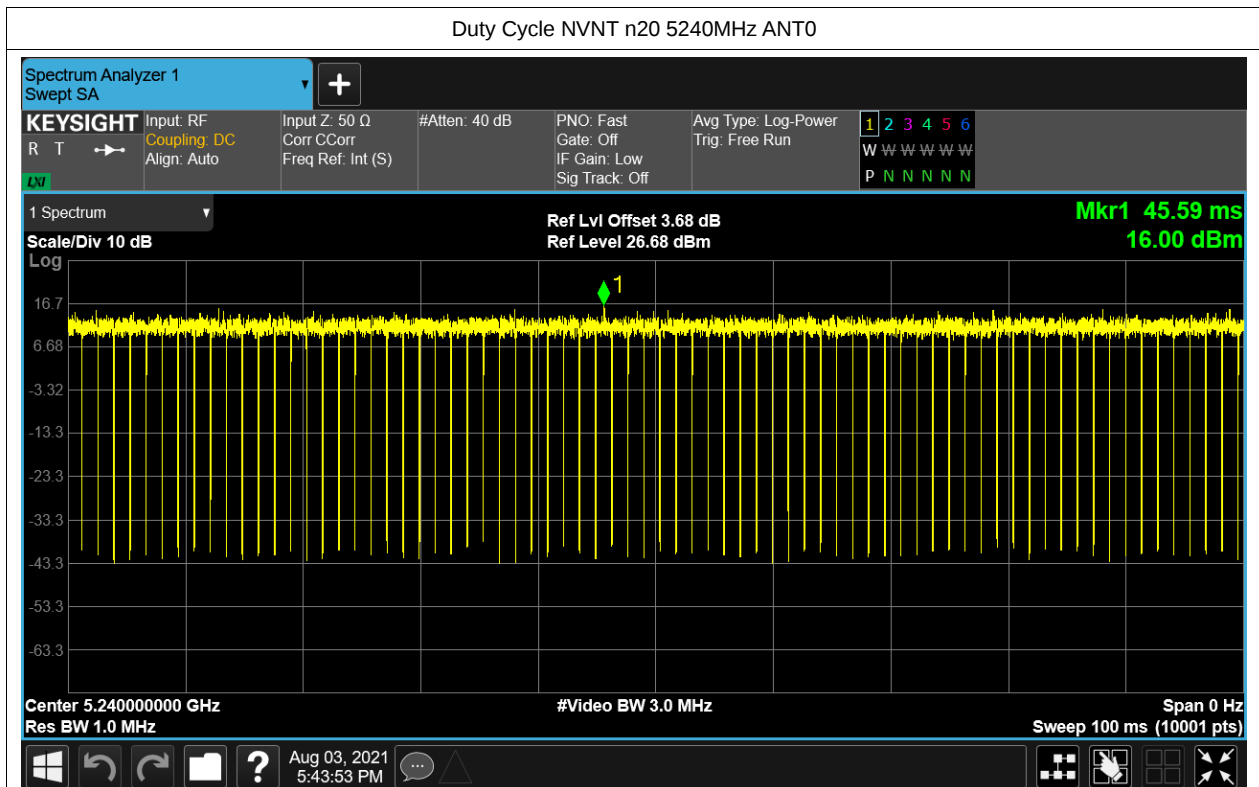


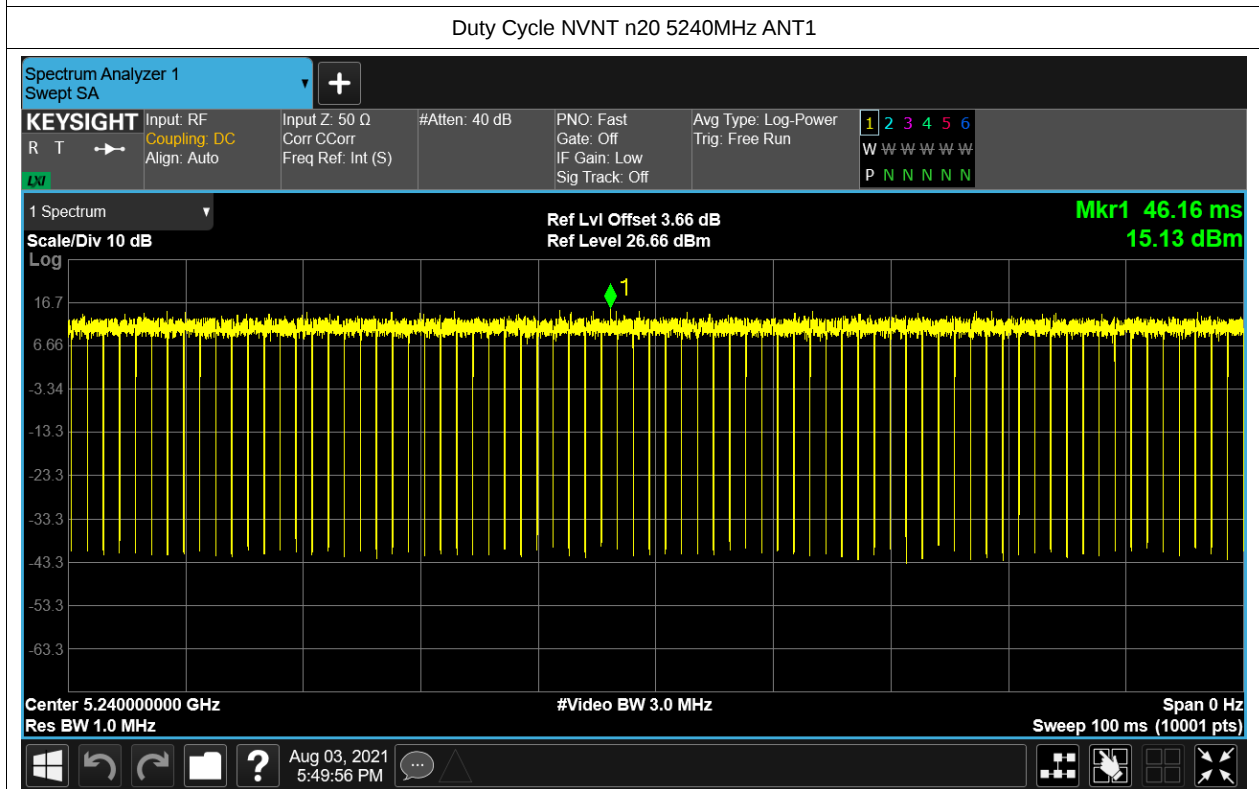
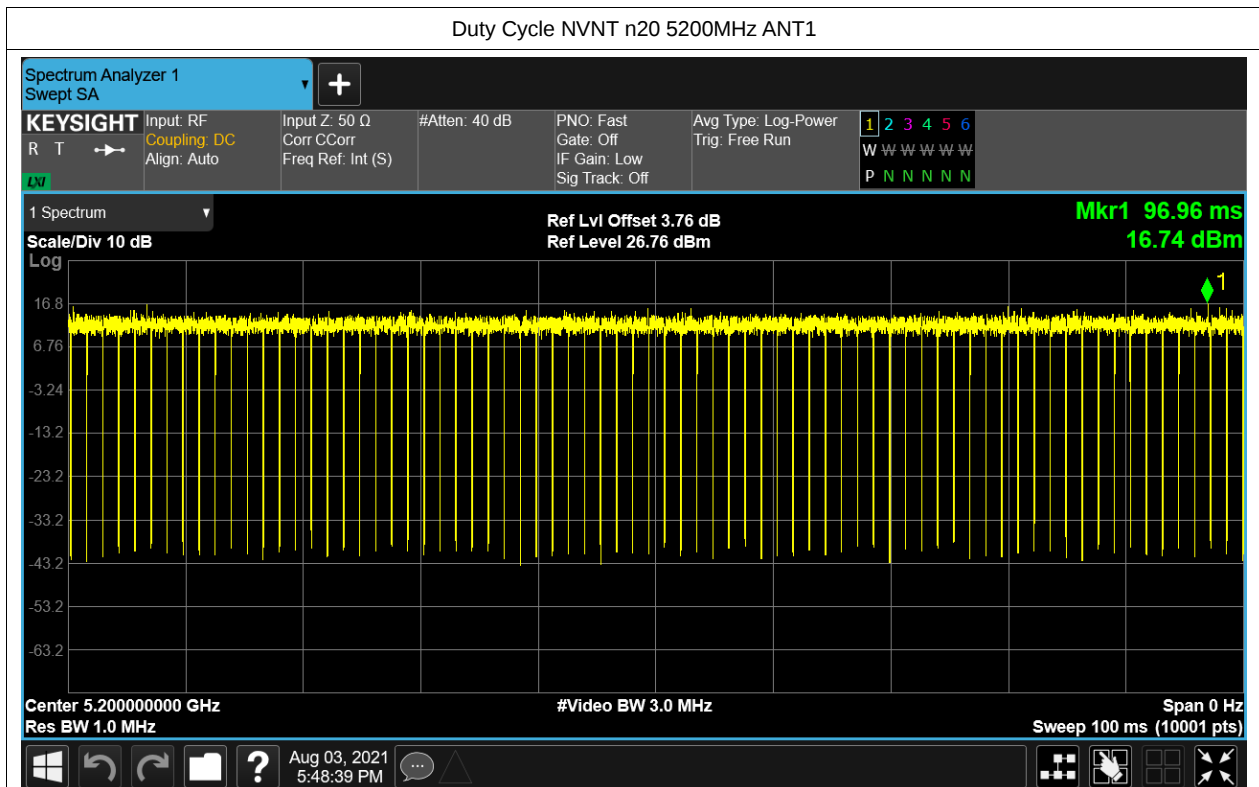
Duty Cycle NVNT n20 5180MHz ANT0

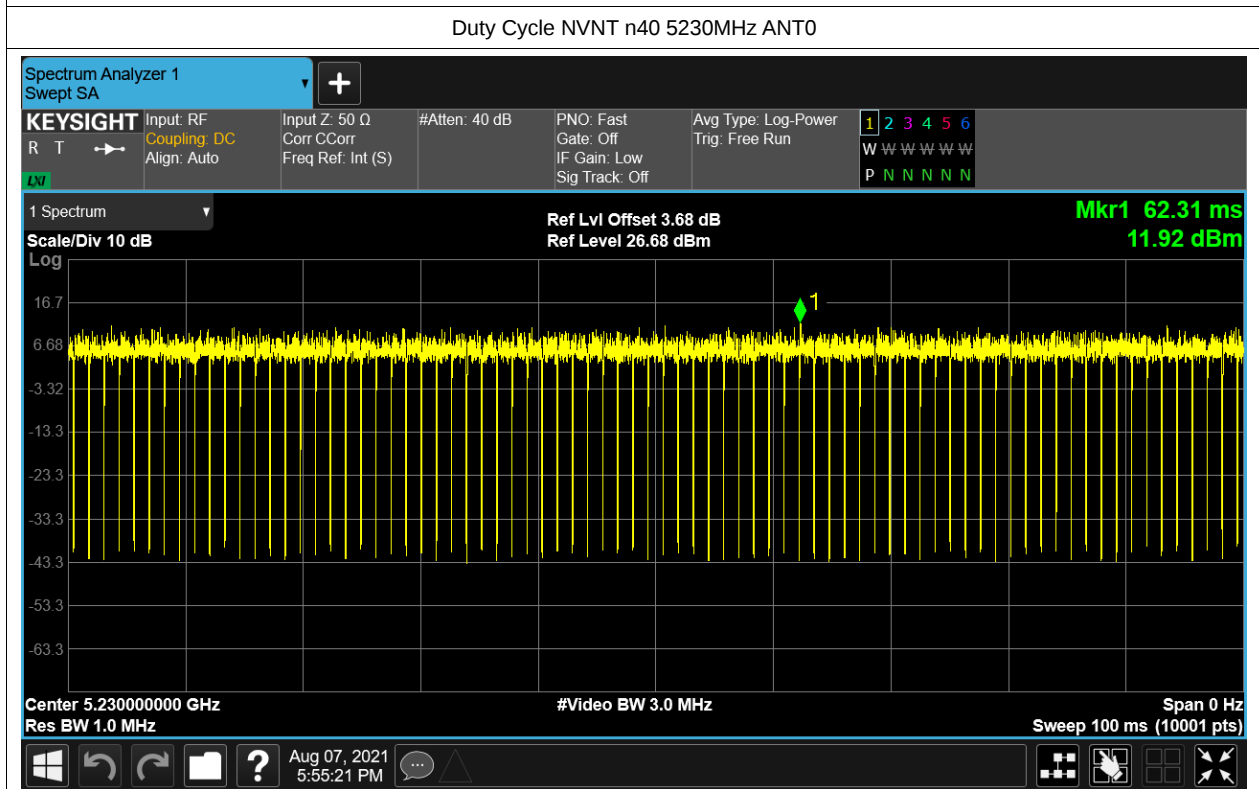
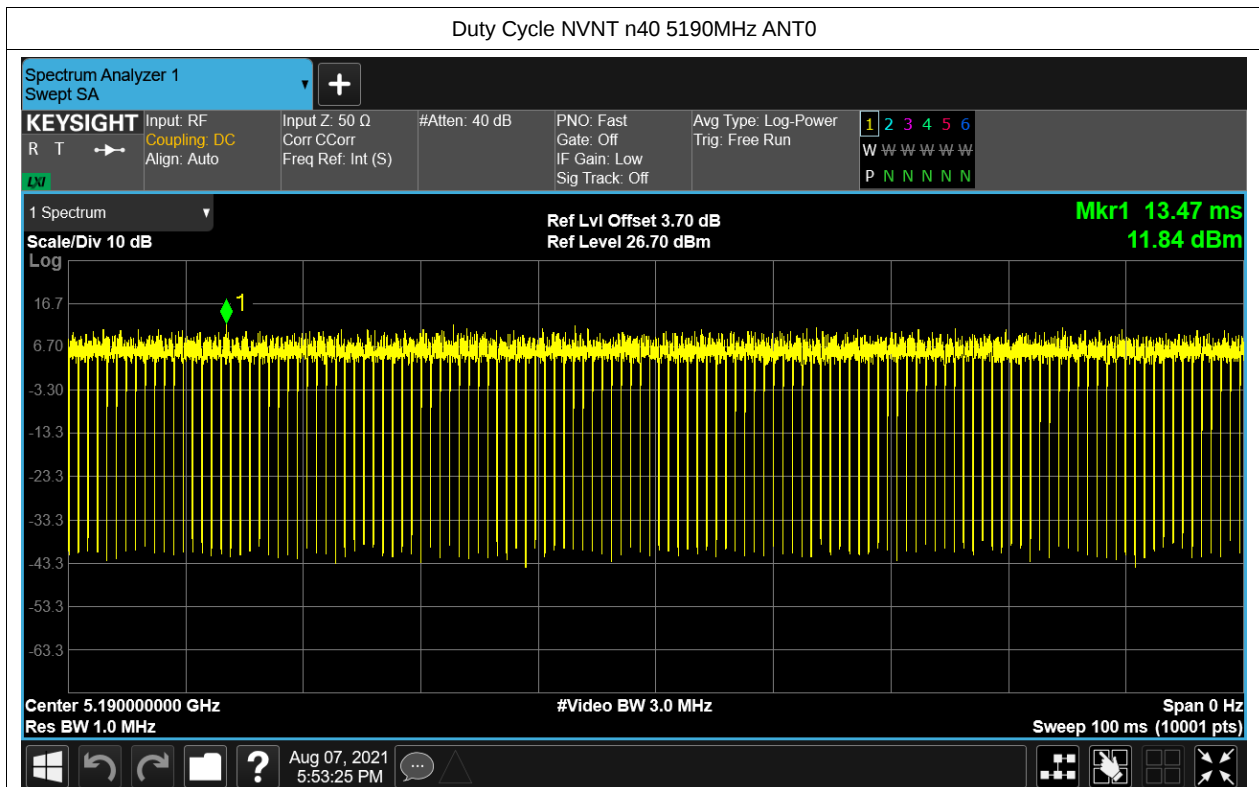


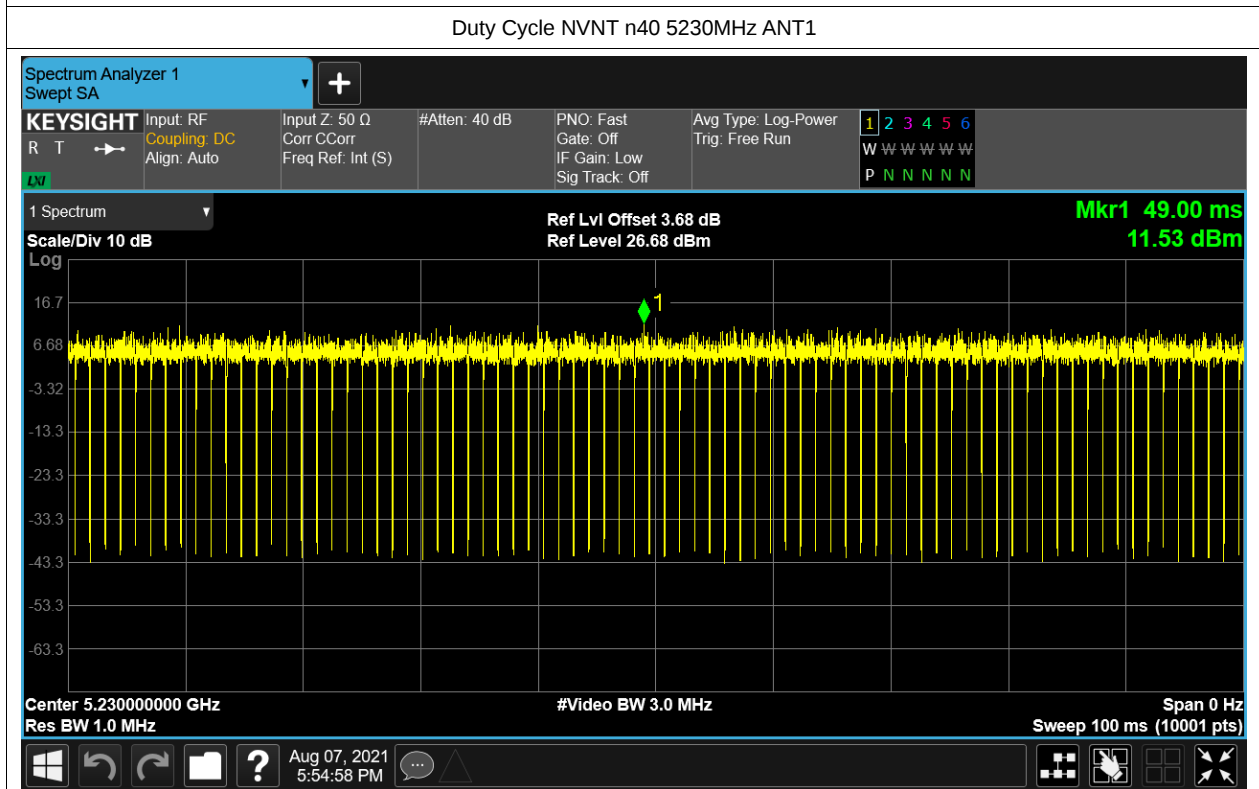
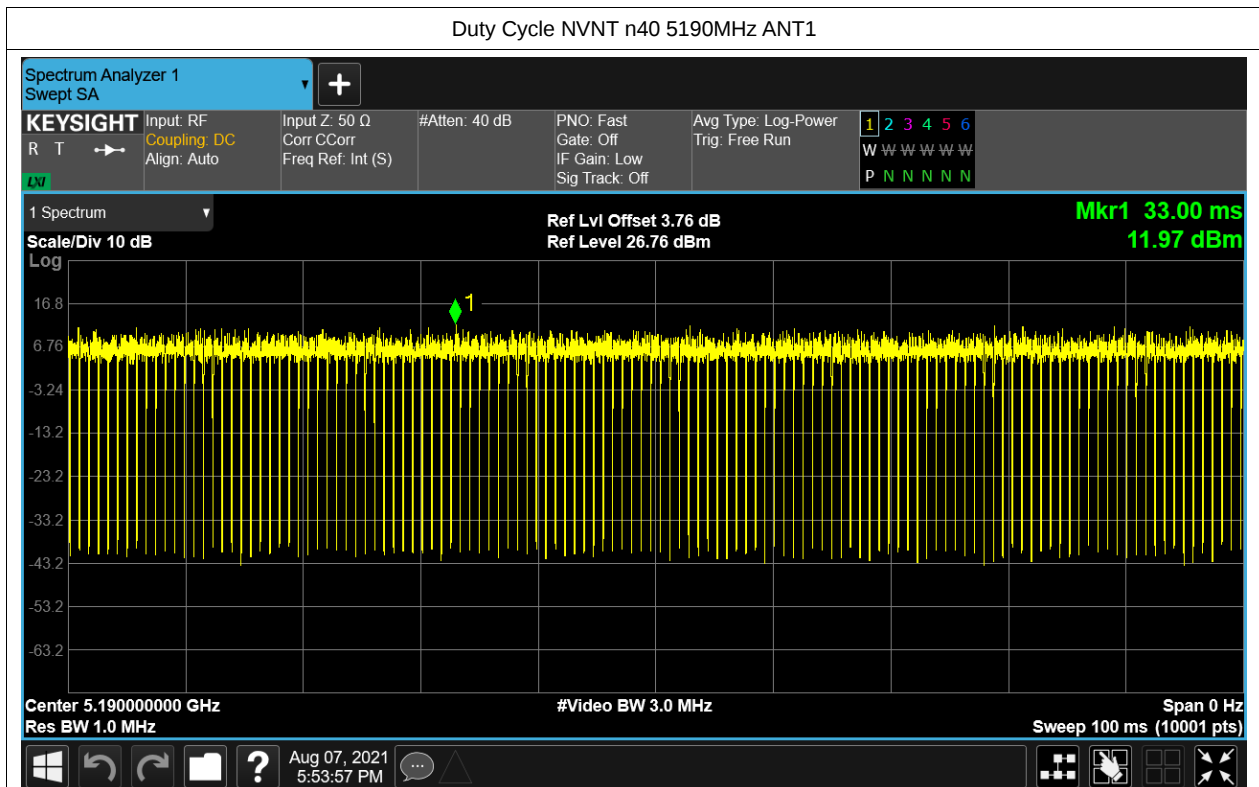
Duty Cycle NVNT n20 5200MHz ANT0











Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	ANT0	18.52	0.04	18.56	30	Pass
NVNT	a	5200	ANT0	18.83	0.05	18.88	30	Pass
NVNT	a	5240	ANT0	17.91	0.05	17.96	30	Pass
NVNT	a	5180	ANT1	17.78	0.04	17.82	30	Pass
NVNT	a	5200	ANT1	18.16	0.04	18.2	30	Pass
NVNT	a	5240	ANT1	17.24	0.06	17.3	30	Pass
NVNT	ac20	5180	ANT0	18.58	0.07	18.65	27.68	Pass
NVNT	ac20	5180	ANT1	17.85	0.07	17.92	27.68	Pass
NVNT	ac20	5180	MIMO	21.241	0.07	21.311	27.68	Pass
NVNT	ac20	5200	ANT0	18.91	0.09	19	27.68	Pass
NVNT	ac20	5200	ANT1	18.31	0.09	18.4	27.68	Pass
NVNT	ac20	5200	MIMO	21.631	0.09	21.721	27.68	Pass
NVNT	ac20	5240	ANT0	18.06	0.12	18.18	27.68	Pass
NVNT	ac20	5240	ANT1	17.36	0.12	17.48	27.68	Pass
NVNT	ac20	5240	MIMO	20.734	0.12	20.854	27.68	Pass
NVNT	ac40	5190	ANT0	18.26	0.08	18.34	27.68	Pass
NVNT	ac40	5190	ANT1	18.18	0.08	18.26	27.68	Pass
NVNT	ac40	5190	MIMO	21.23	0.08	21.31	27.68	Pass
NVNT	ac40	5230	ANT0	18.12	0.07	18.19	27.68	Pass
NVNT	ac40	5230	ANT1	17.48	0.07	17.55	27.68	Pass
NVNT	ac40	5230	MIMO	20.822	0.07	20.892	27.68	Pass
NVNT	ac80	5210	ANT0	18.6	0.08	18.68	27.68	Pass
NVNT	ac80	5210	ANT1	18.45	0.08	18.53	27.68	Pass
NVNT	ac80	5210	MIMO	21.536	0.08	21.616	27.68	Pass
NVNT	ax20	5180	ANT0	18.9	0.04	18.94	27.68	Pass
NVNT	ax20	5180	ANT1	18.11	0.04	18.15	27.68	Pass
NVNT	ax20	5180	MIMO	21.533	0.04	21.573	27.68	Pass
NVNT	ax20	5200	ANT0	19.15	0.06	19.21	27.68	Pass
NVNT	ax20	5200	ANT1	18.52	0.06	18.58	27.68	Pass
NVNT	ax20	5200	MIMO	21.857	0.06	21.917	27.68	Pass
NVNT	ax20	5240	ANT0	18.35	0.08	18.43	27.68	Pass
NVNT	ax20	5240	ANT1	17.62	0.08	17.7	27.68	Pass
NVNT	ax20	5240	MIMO	21.011	0.08	21.091	27.68	Pass
NVNT	ax40	5190	ANT0	18.49	0.07	18.56	27.68	Pass
NVNT	ax40	5190	ANT1	18.49	0.07	18.56	27.68	Pass
NVNT	ax40	5190	MIMO	21.5	0.07	21.57	27.68	Pass
NVNT	ax40	5230	ANT0	18.27	0.08	18.35	27.68	Pass
NVNT	ax40	5230	ANT1	17.72	0.08	17.8	27.68	Pass

NVNT	ax40	5230	MIMO	21.014	0.08	21.094	27.68	Pass
NVNT	ax80	5210	ANT0	19.28	0.08	19.36	27.68	Pass
NVNT	ax80	5210	ANT1	18.74	0.08	18.82	27.68	Pass
NVNT	ax80	5210	MIMO	22.029	0.08	22.109	27.68	Pass
NVNT	n20	5180	ANT0	18.44	0.08	18.52	30	Pass
NVNT	n20	5200	ANT0	18.69	0.04	18.73	30	Pass
NVNT	n20	5240	ANT0	17.8	0.07	17.87	30	Pass
NVNT	n20	5180	ANT1	17.73	0.04	17.77	30	Pass
NVNT	n20	5200	ANT1	18.2	0.05	18.25	30	Pass
NVNT	n20	5240	ANT1	17.26	0.07	17.33	30	Pass
NVNT	n40	5190	ANT0	18.15	0.08	18.23	30	Pass
NVNT	n40	5230	ANT0	17.95	0.08	18.03	30	Pass
NVNT	n40	5190	ANT1	18.1	0.08	18.18	30	Pass
NVNT	n40	5230	ANT1	17.32	0.08	17.4	30	Pass

Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	ANT0	16.46512882
NVNT	a	5200	ANT0	16.46619115
NVNT	a	5240	ANT0	16.44303080
NVNT	a	5180	ANT1	16.49962823
NVNT	a	5200	ANT1	16.48009715
NVNT	a	5240	ANT1	16.48103696
NVNT	ac20	5180	ANT0	17.60161611
NVNT	ac20	5180	ANT1	17.59703579
NVNT	ac20	5200	ANT0	17.59161131
NVNT	ac20	5200	ANT1	17.61207415
NVNT	ac20	5240	ANT0	17.57294915
NVNT	ac20	5240	ANT1	17.58850237
NVNT	ac40	5190	ANT0	35.88153751
NVNT	ac40	5190	ANT1	35.88286947
NVNT	ac40	5230	ANT0	35.80316653
NVNT	ac40	5230	ANT1	35.82535427
NVNT	ac80	5210	ANT0	75.08858606
NVNT	ac80	5210	ANT1	74.87959524
NVNT	ax20	5180	ANT0	18.98523506
NVNT	ax20	5180	ANT1	18.96294423
NVNT	ax20	5200	ANT0	18.96164053
NVNT	ax20	5200	ANT1	18.99648784
NVNT	ax20	5240	ANT0	18.84185863
NVNT	ax20	5240	ANT1	18.87135305
NVNT	ax40	5190	ANT0	37.42344214
NVNT	ax40	5190	ANT1	37.60021111
NVNT	ax40	5230	ANT0	37.43656287
NVNT	ax40	5230	ANT1	37.56851687
NVNT	ax80	5210	ANT0	76.74746312
NVNT	ax80	5210	ANT1	76.43173459
NVNT	n20	5180	ANT0	17.61232969
NVNT	n20	5200	ANT0	17.60433273
NVNT	n20	5240	ANT0	17.62862574
NVNT	n20	5180	ANT1	17.60956571
NVNT	n20	5200	ANT1	17.60931736
NVNT	n20	5240	ANT1	17.56918898
NVNT	n40	5190	ANT0	35.84443298
NVNT	n40	5230	ANT0	35.84792456
NVNT	n40	5190	ANT1	35.88689217

NVNT	n40	5230	ANT1	35.94808958
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Test Graphs

OBW NVNT a 5180MHz ANT0



OBW NVNT a 5200MHz ANT0

