

Test Data

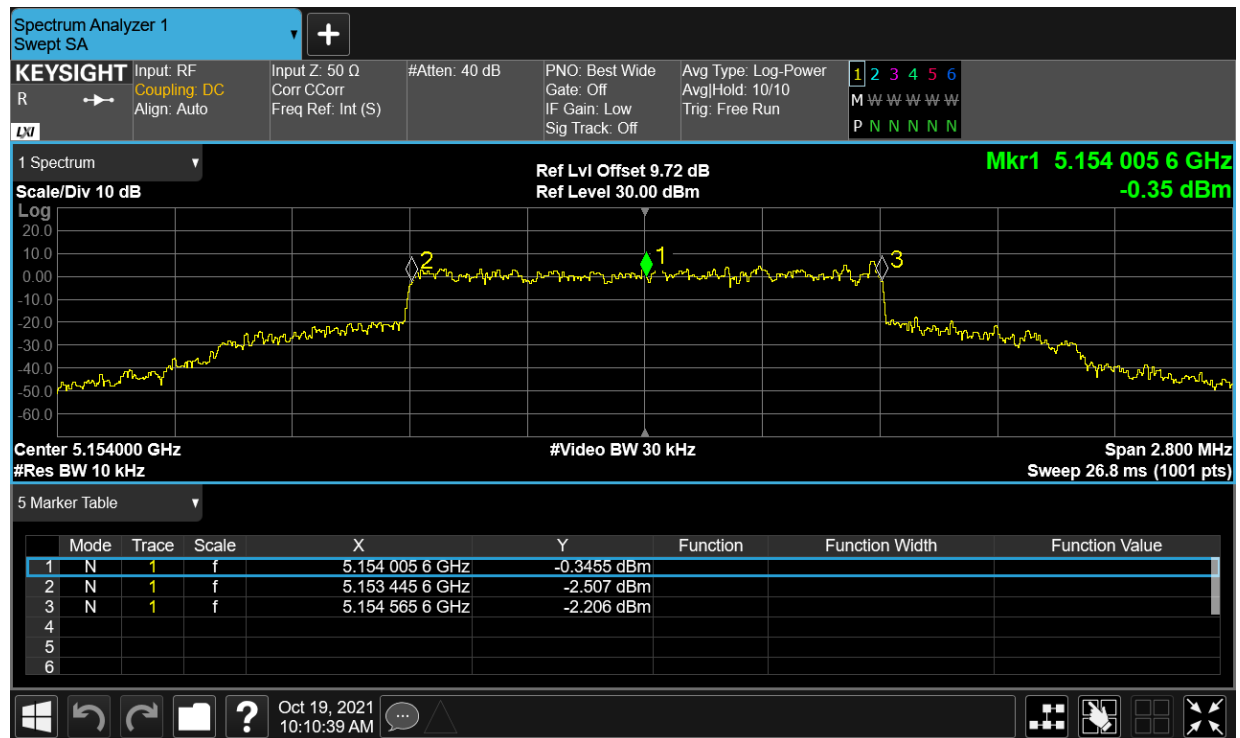
Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVHT	5.2G-1.4M-16QAM	5154	Sum	5154.0056	1.09	within the band	Pass
HVLT	5.2G-1.4M-16QAM	5154	Sum	5154	0		Pass
LVHT	5.2G-1.4M-16QAM	5154	Sum	5154.0014	0.27		Pass
LVLT	5.2G-1.4M-16QAM	5154	Sum	5154	0		Pass
NVNT	5.2G-1.4M-16QAM	5154	Sum	5153.9986	-0.27		Pass
HVHT	5.2G-1.4M-QPSK	5154	Sum	5154.0014	0.27		Pass
HVLT	5.2G-1.4M-QPSK	5154	Sum	5154.0014	0.27		Pass
LVHT	5.2G-1.4M-QPSK	5154	Sum	5154	0		Pass
LVLT	5.2G-1.4M-QPSK	5154	Sum	5153.9986	-0.27		Pass
NVNT	5.2G-1.4M-QPSK	5154	Sum	5154	0		Pass
HVHT	5.2G-10M-16QAM	5157	Sum	5157	0		Pass
HVLT	5.2G-10M-16QAM	5157	Sum	5157	0		Pass
LVHT	5.2G-10M-16QAM	5157	Sum	5157	0		Pass
LVLT	5.2G-10M-16QAM	5157	Sum	5157	0		Pass
NVNT	5.2G-10M-16QAM	5157	Sum	5157	0		Pass
HVHT	5.2G-10M-QPSK	5157	Sum	5157	0		Pass
HVLT	5.2G-10M-QPSK	5157	Sum	5157	0		Pass
LVHT	5.2G-10M-QPSK	5157	Sum	5157	0		Pass
LVLT	5.2G-10M-QPSK	5157	Sum	5157.01	1.94		Pass
NVNT	5.2G-10M-QPSK	5157	Sum	5157	0		Pass
HVHT	5.2G-20M-16QAM	5167	Sum	5167	0		Pass
HVLT	5.2G-20M-16QAM	5167	Sum	5167	0		Pass
LVHT	5.2G-20M-16QAM	5167	Sum	5167.02	3.87		Pass
LVLT	5.2G-20M-16QAM	5167	Sum	5167.02	3.87		Pass
NVNT	5.2G-20M-16QAM	5167	Sum	5167	0		Pass
HVHT	5.2G-20M-QPSK	5167	Sum	5167	0		Pass
HVLT	5.2G-20M-QPSK	5167	Sum	5167	0		Pass
LVHT	5.2G-20M-QPSK	5167	Sum	5167	0		Pass
LVLT	5.2G-20M-QPSK	5167	Sum	5167	0		Pass
NVNT	5.2G-20M-QPSK	5167	Sum	5167	0		Pass

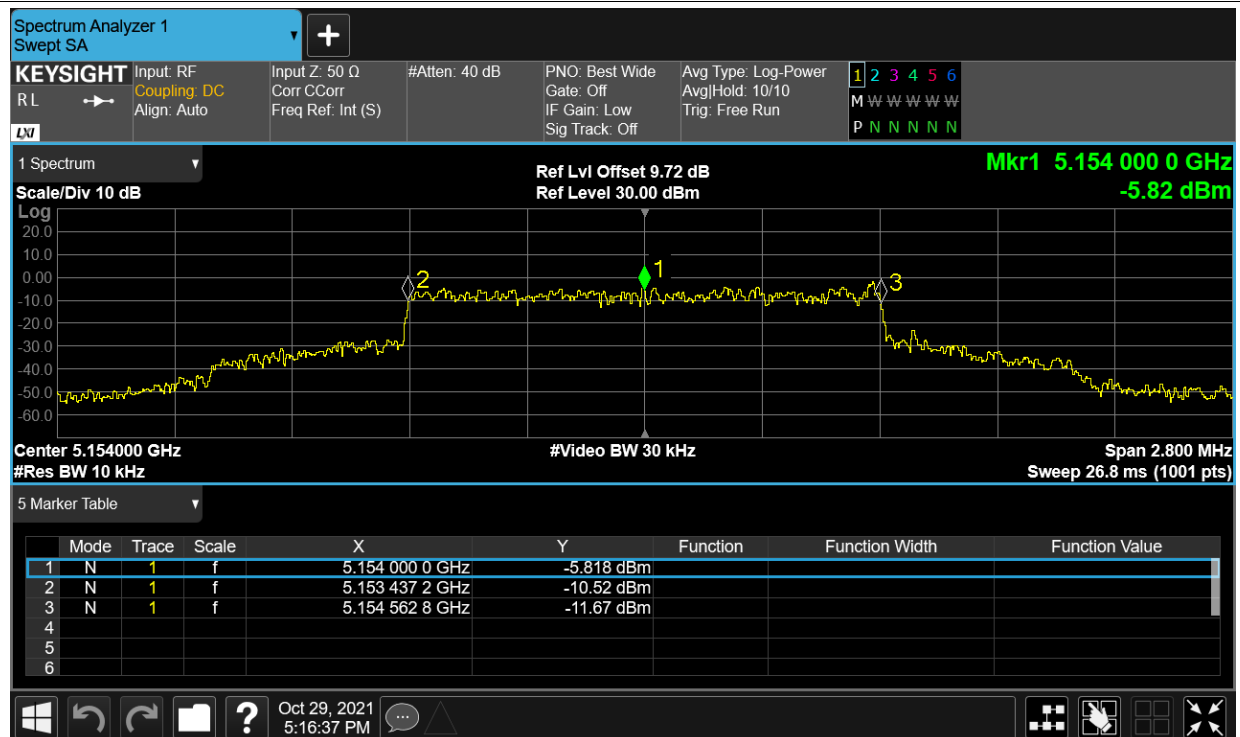
Remark: "NTNV" means Normal Temperature Normal Voltage, "LTLV" means Low Temperature Low Voltage, "LTHV" means Low Temperature High Voltage, "HTLV" means High Temperature Low Voltage, "HTHV" means High Temperature High Voltage.

Test Graphs

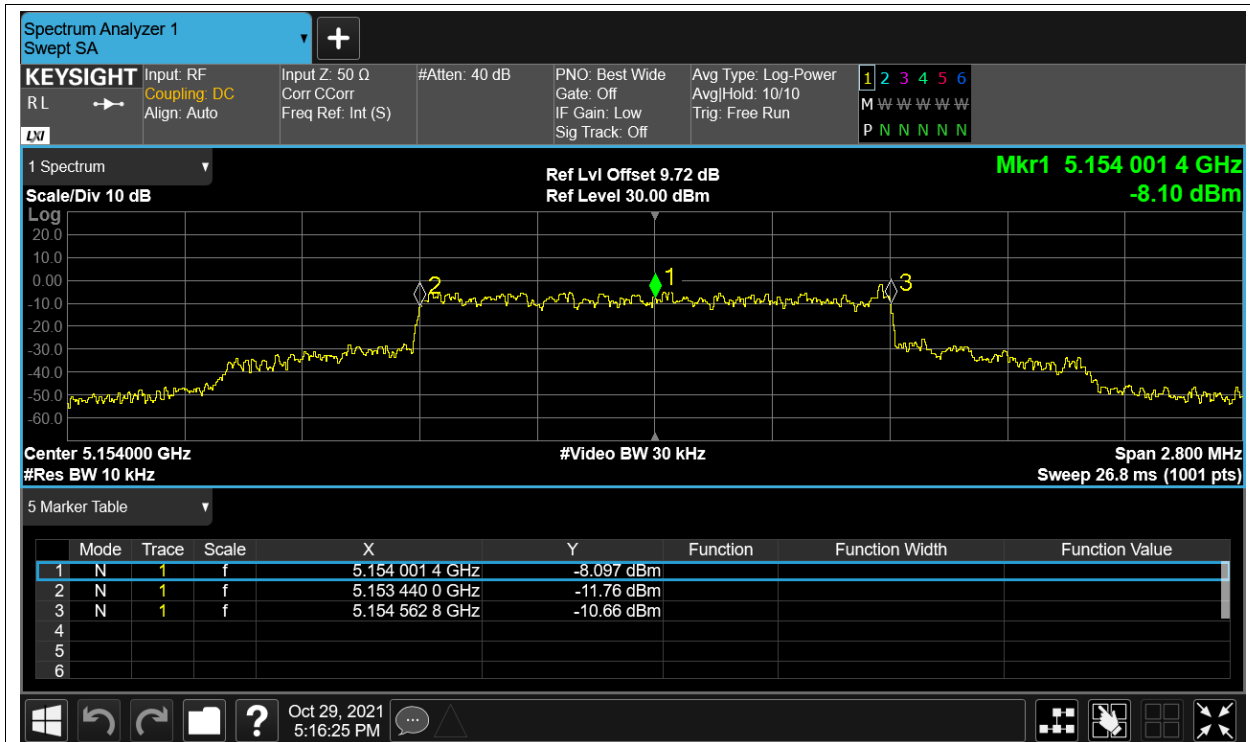
Freq. Stability HVHT 5.2G-1.4M-16QAM 5154MHz Sum



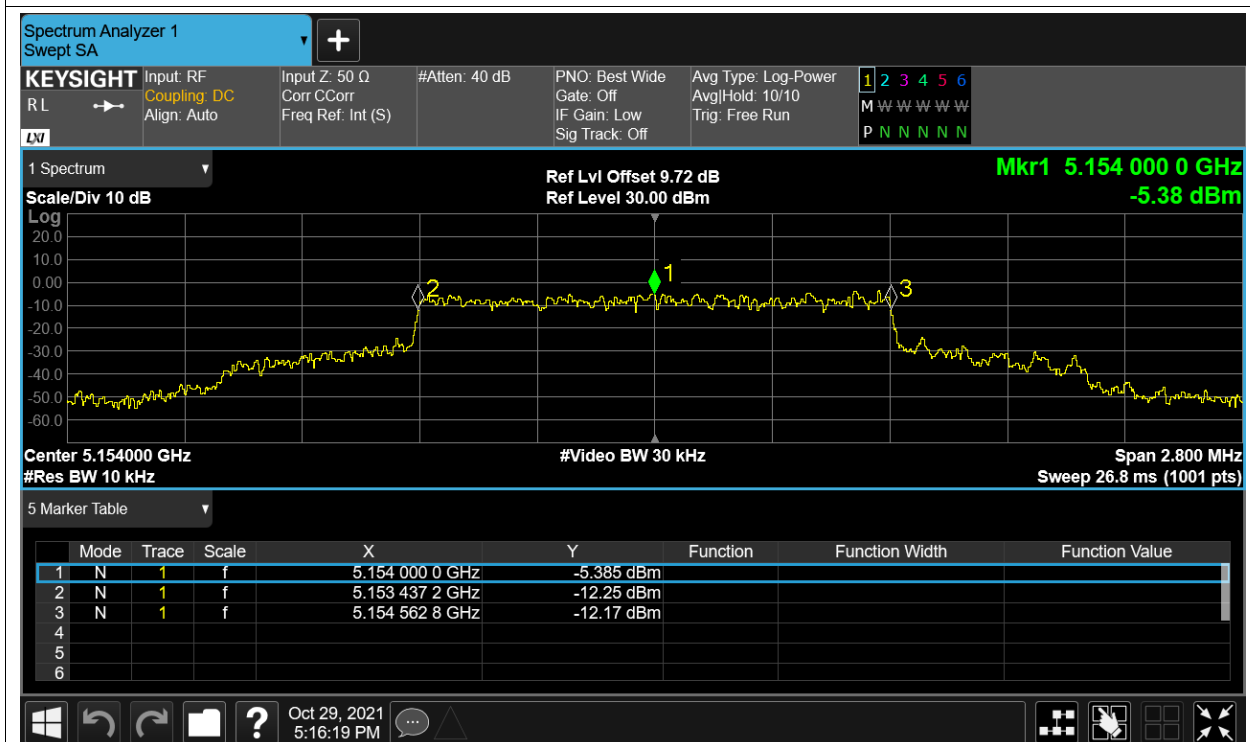
Freq. Stability HVLT 5.2G-1.4M-16QAM 5154MHz Sum



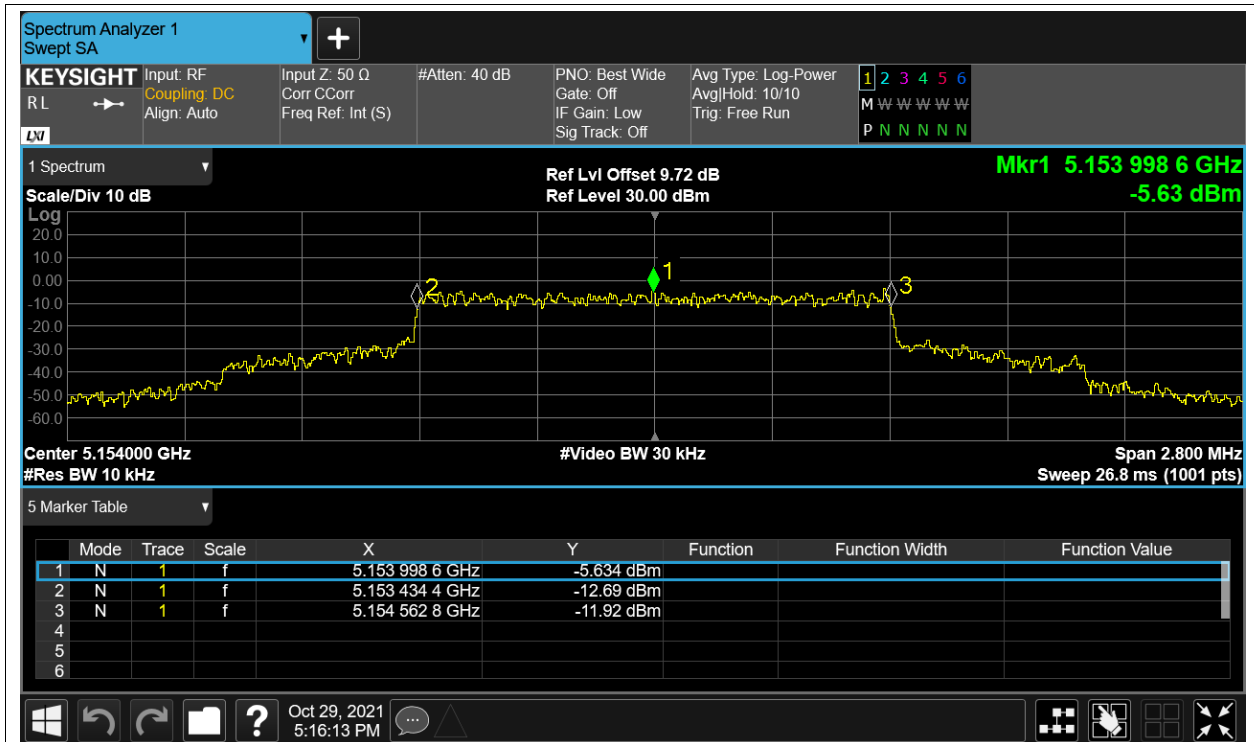
Freq. Stability LVHT 5.2G-1.4M-16QAM 5154MHz Sum



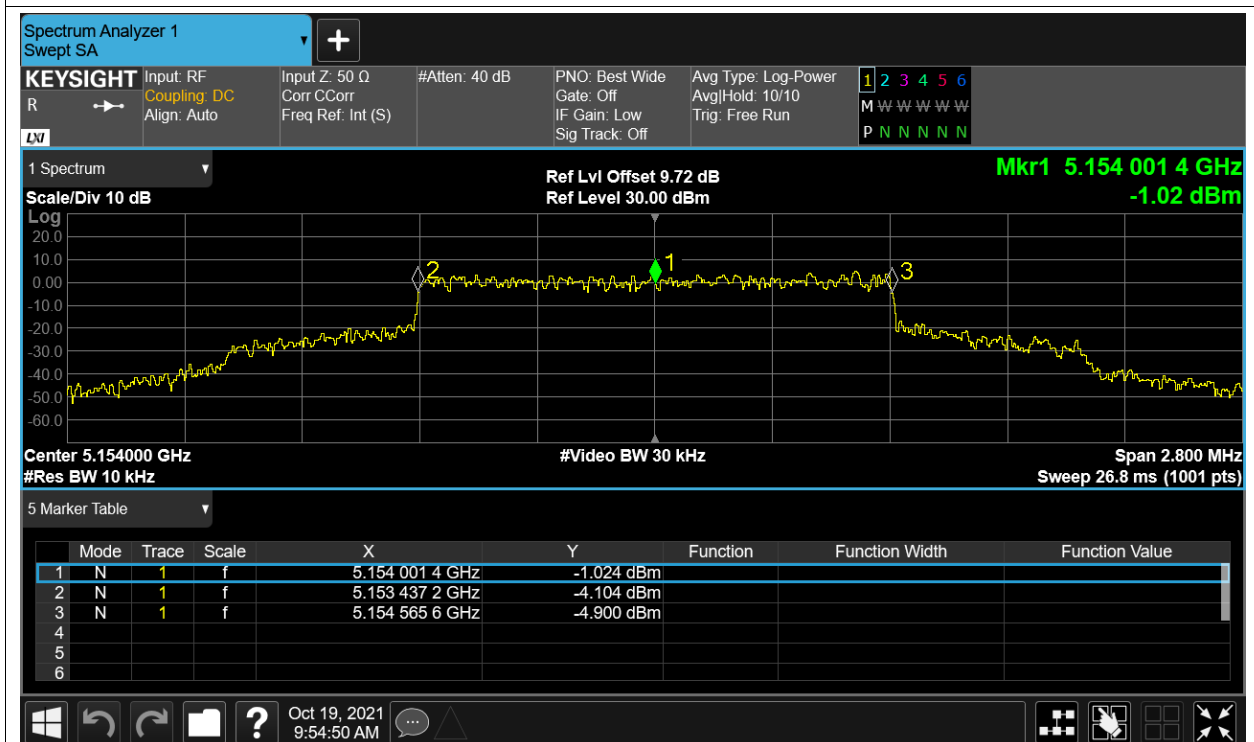
Freq. Stability LVL 5.2G-1.4M-16QAM 5154MHz Sum



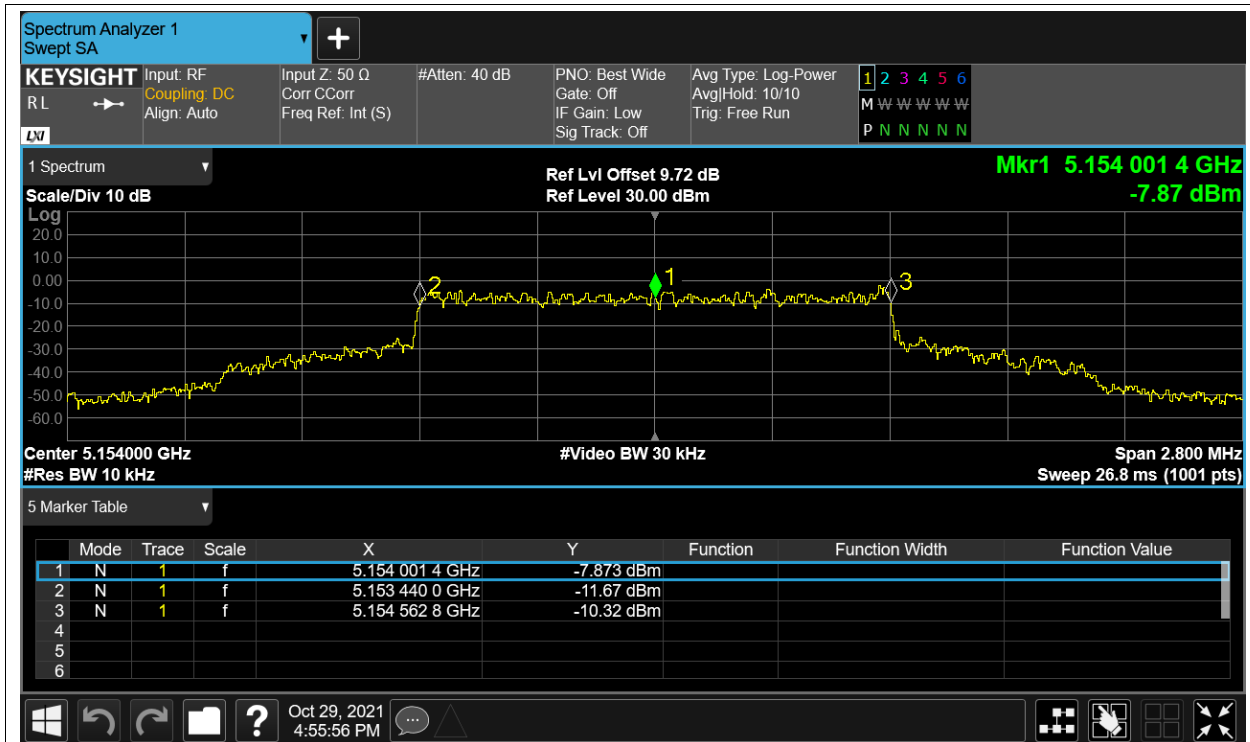
Freq. Stability NVNT 5.2G-1.4M-16QAM 5154MHz Sum



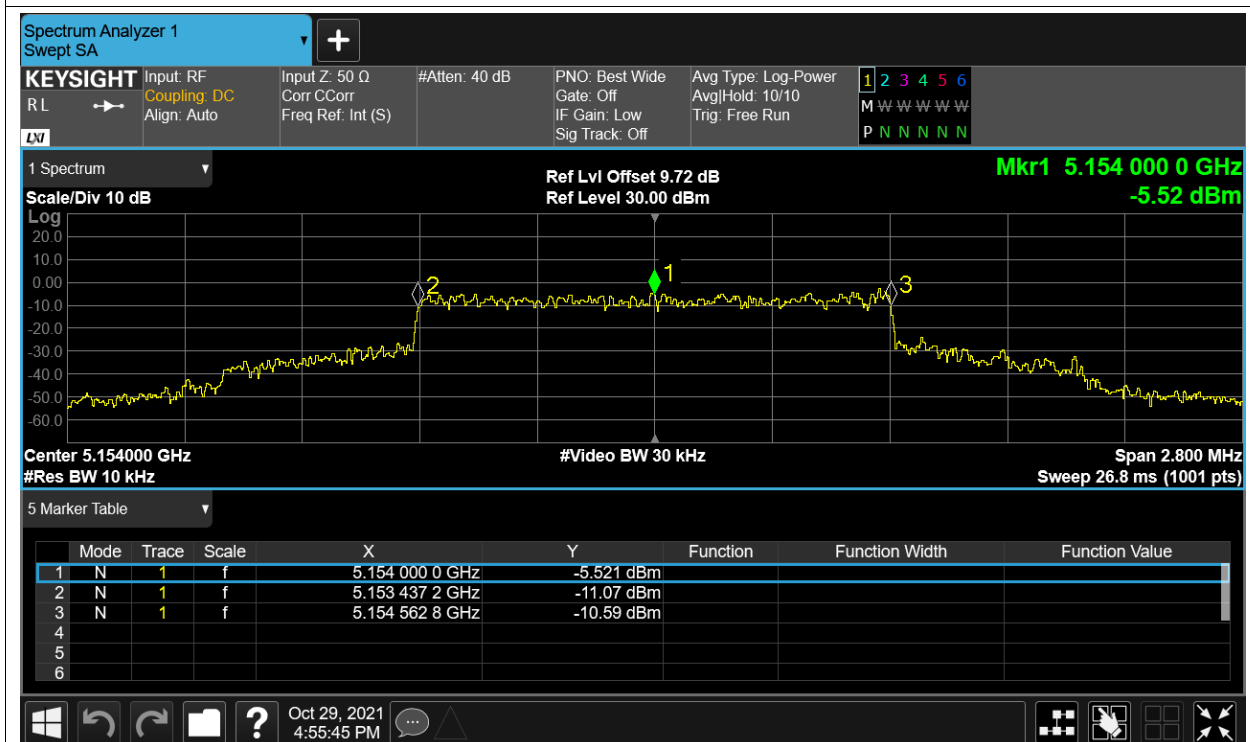
Freq. Stability HVHT 5.2G-1.4M-QPSK 5154MHz Sum



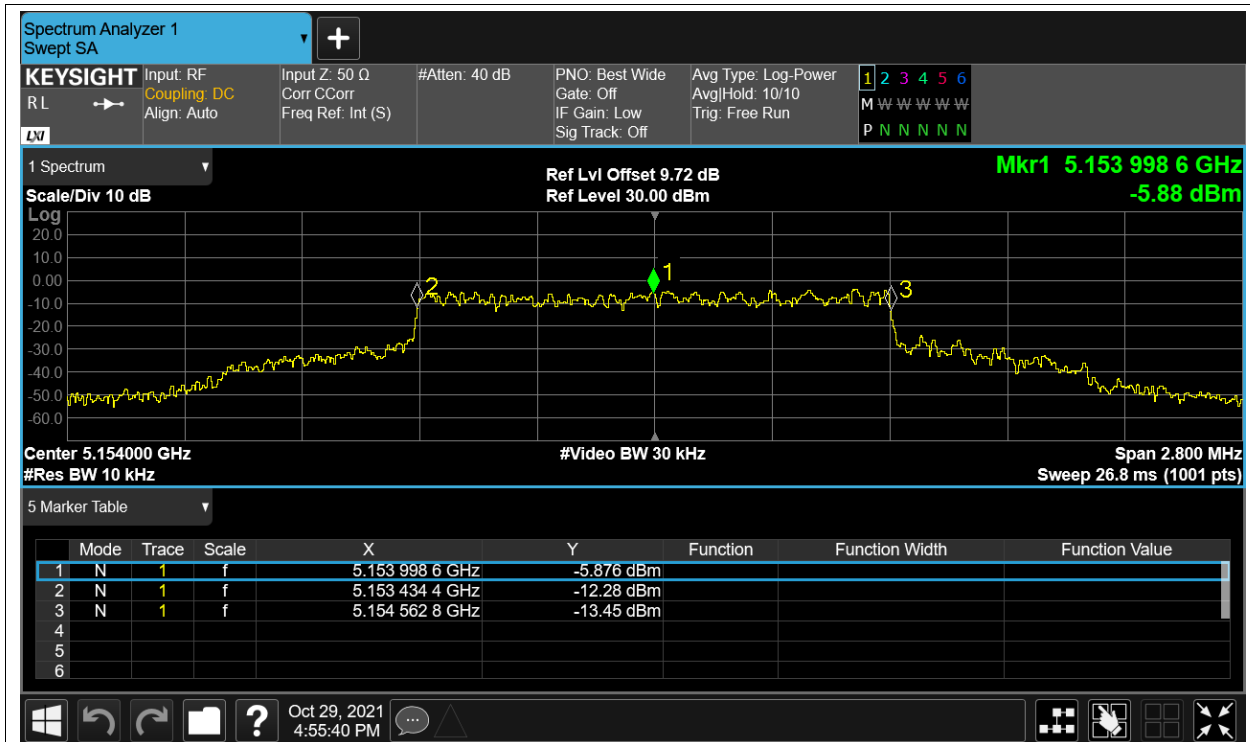
Freq. Stability HVLT 5.2G-1.4M-QPSK 5154MHz Sum



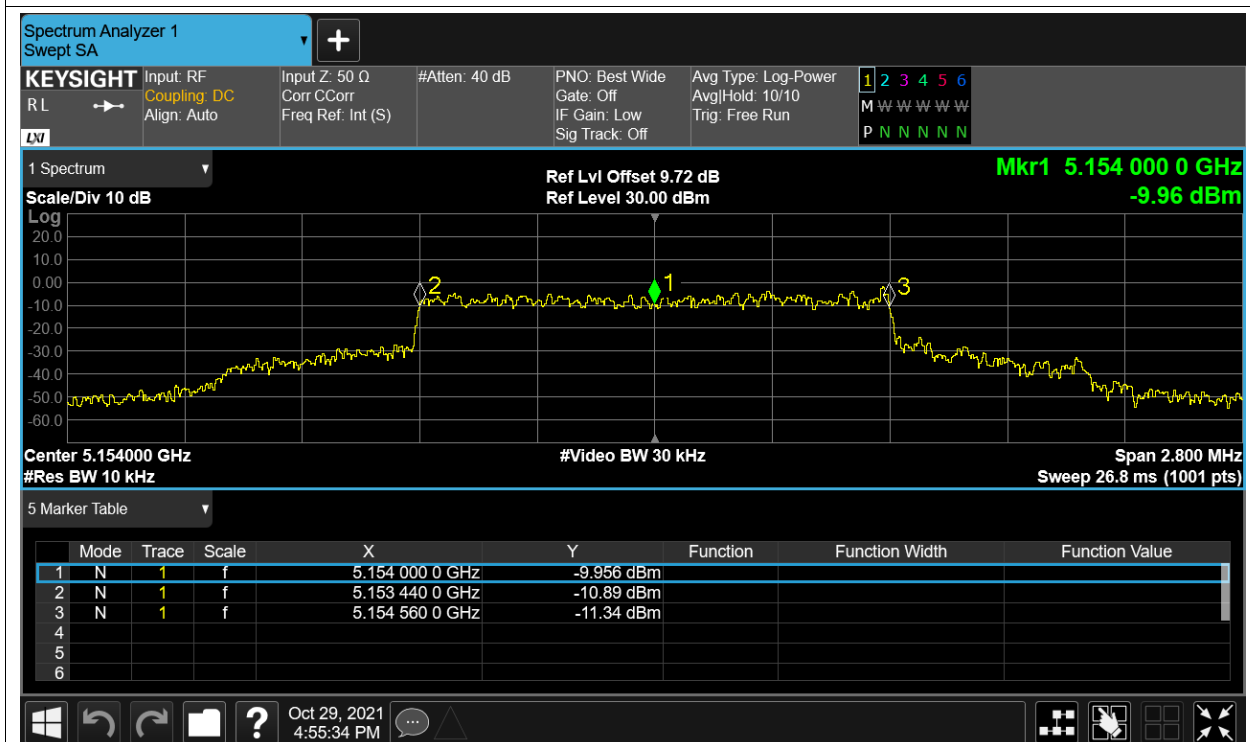
Freq. Stability LVHT 5.2G-1.4M-QPSK 5154MHz Sum



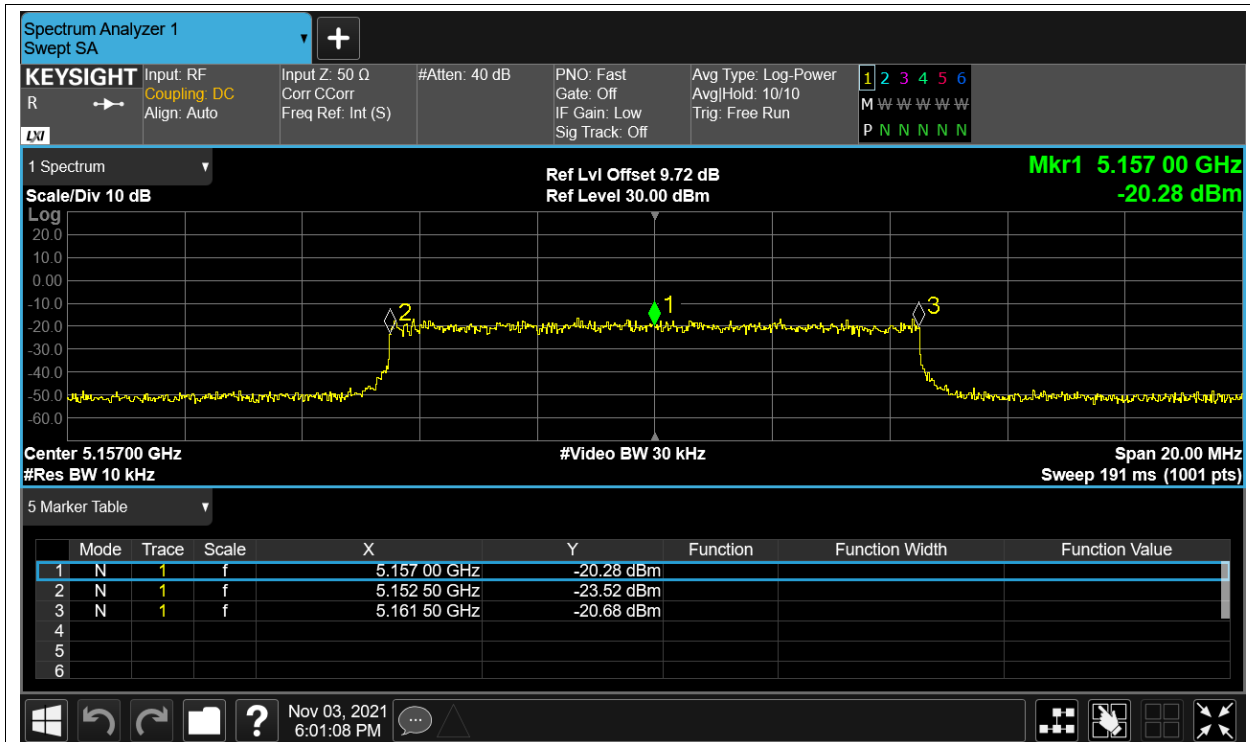
Freq. Stability LVLT 5.2G-1.4M-QPSK 5154MHz Sum



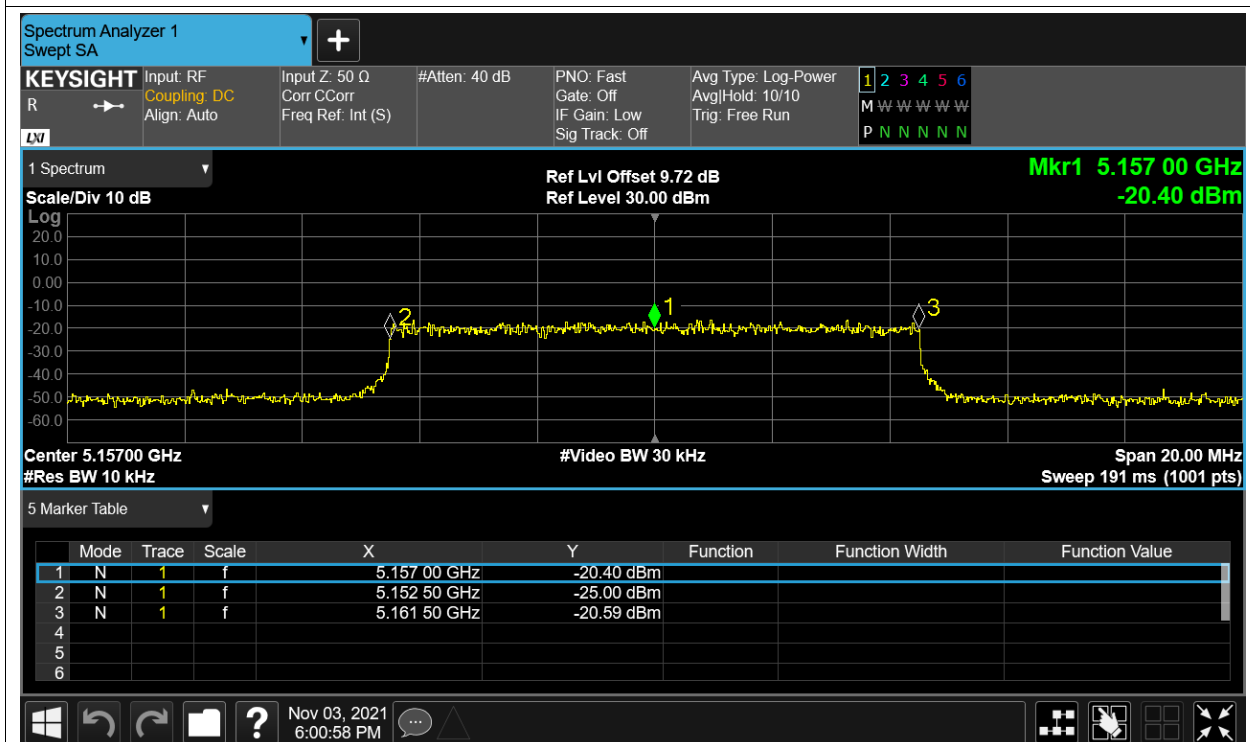
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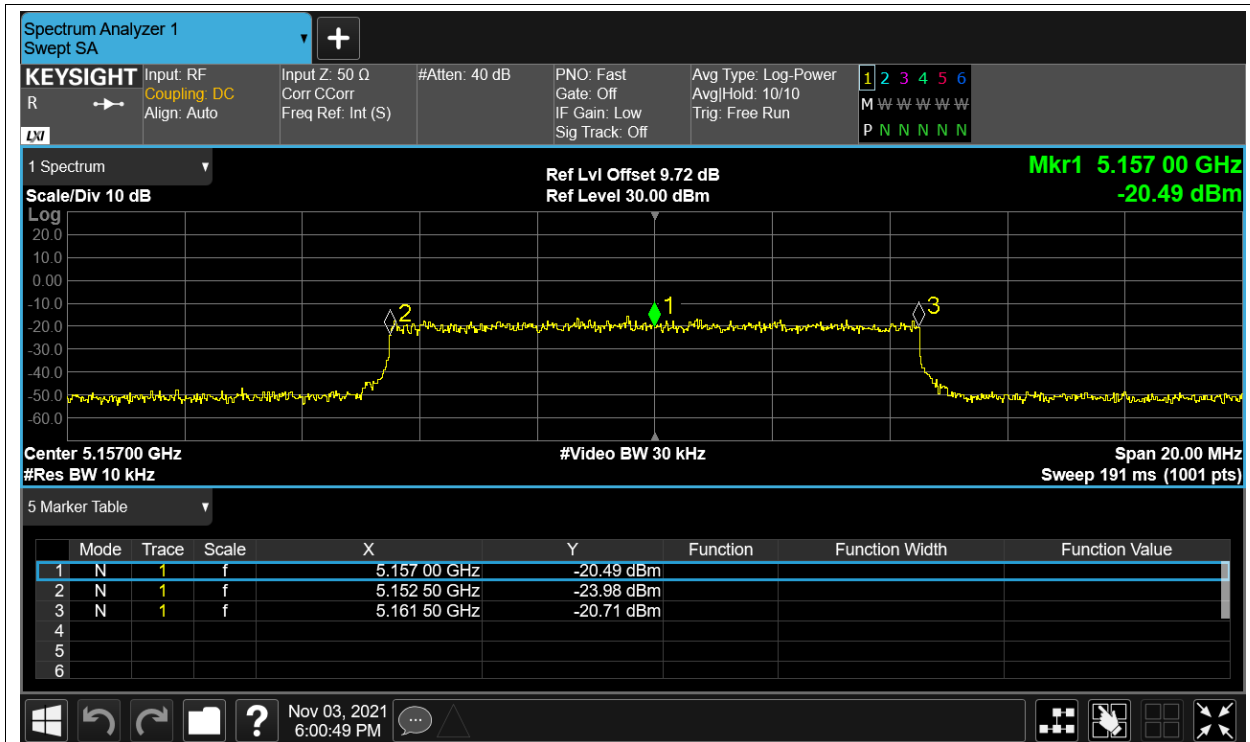
Freq. Stability HVHT 5.2G-10M-16QAM 5157MHz Sum



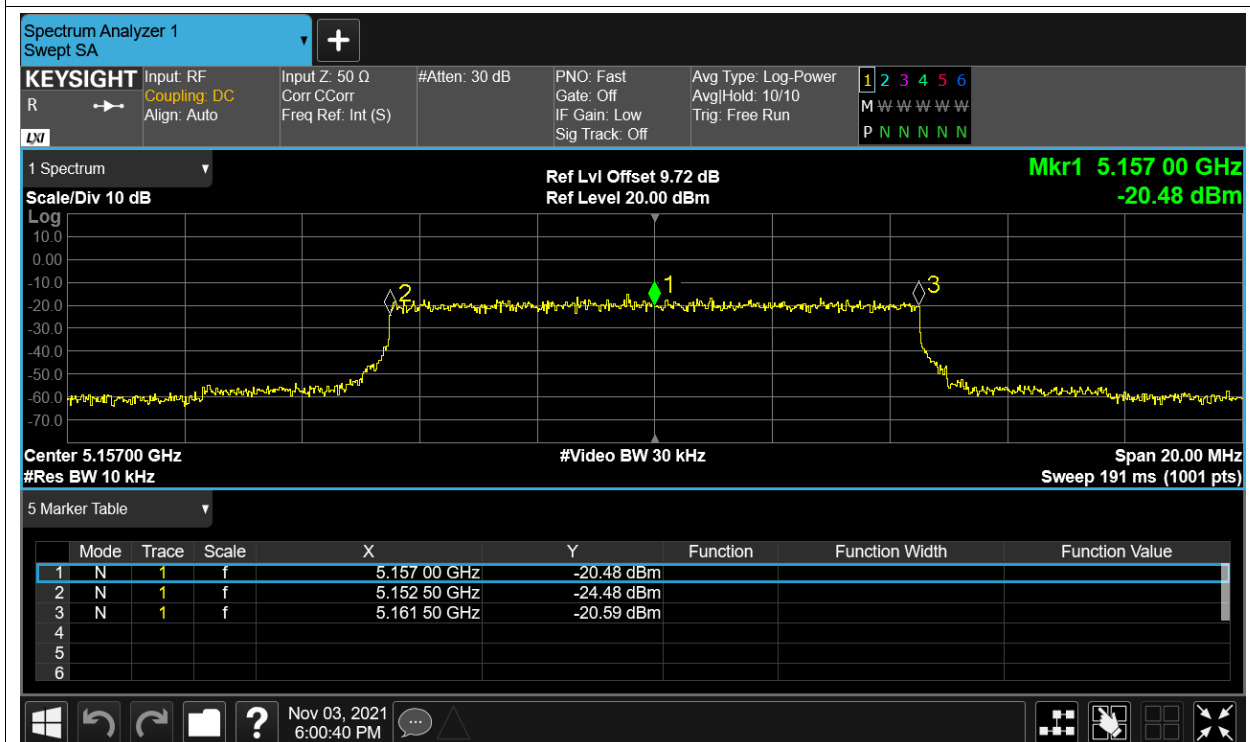
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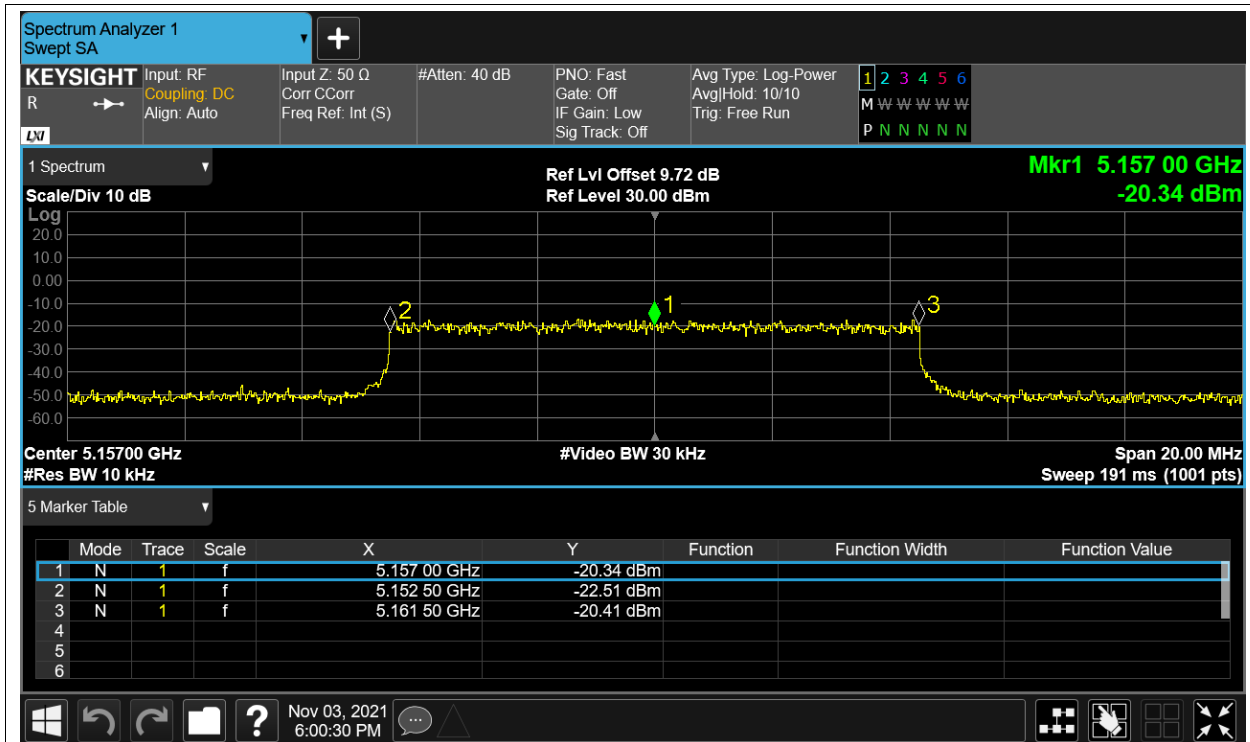
Freq. Stability LVHT 5.2G-10M-16QAM 5157MHz Sum



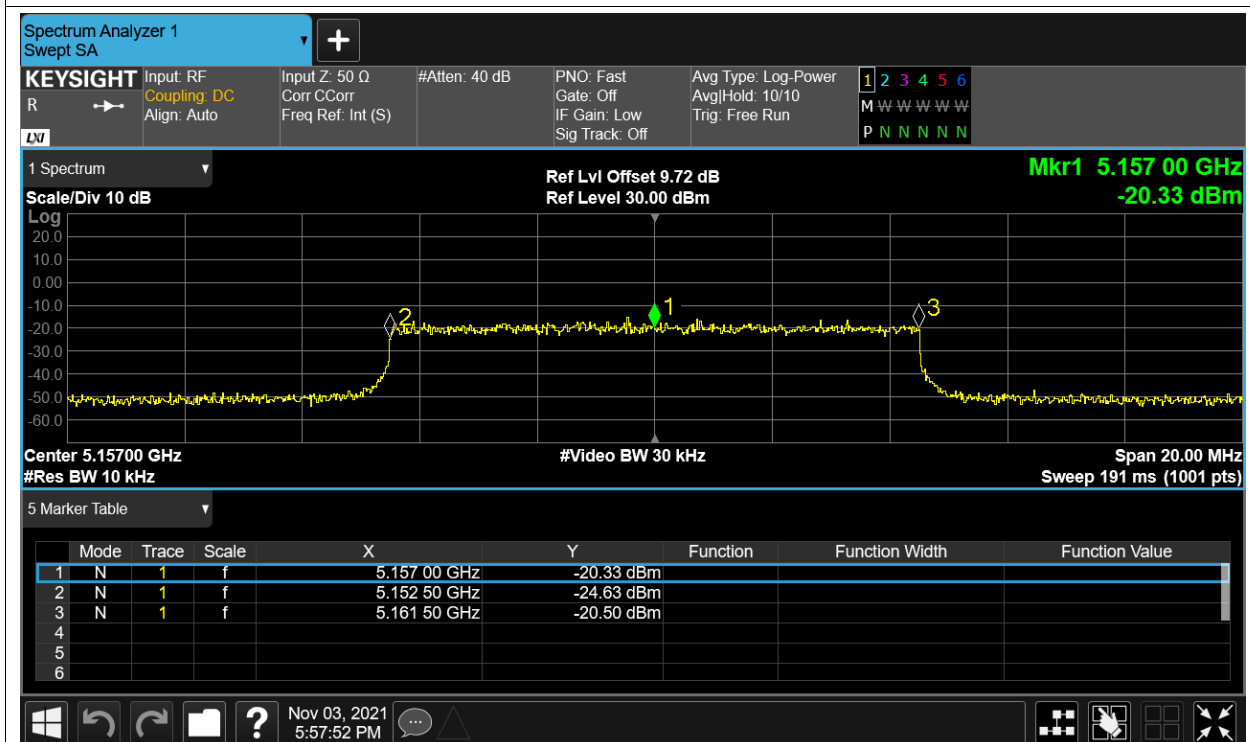
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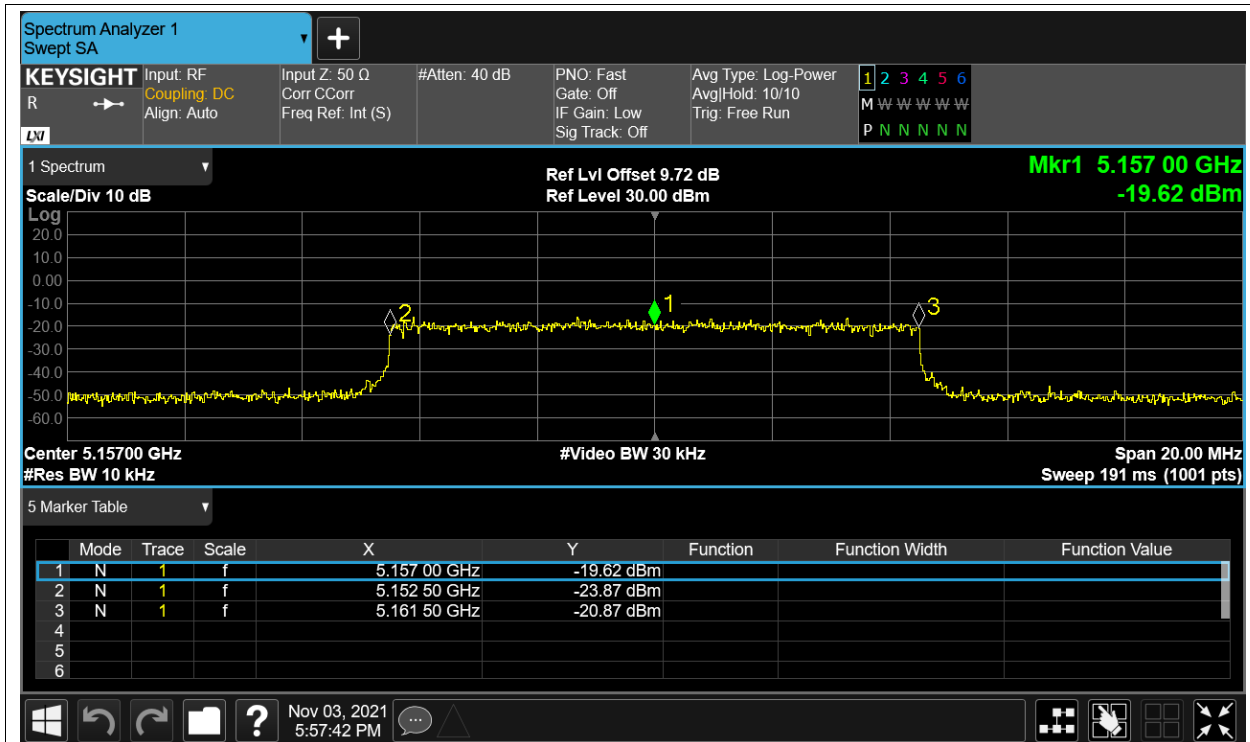
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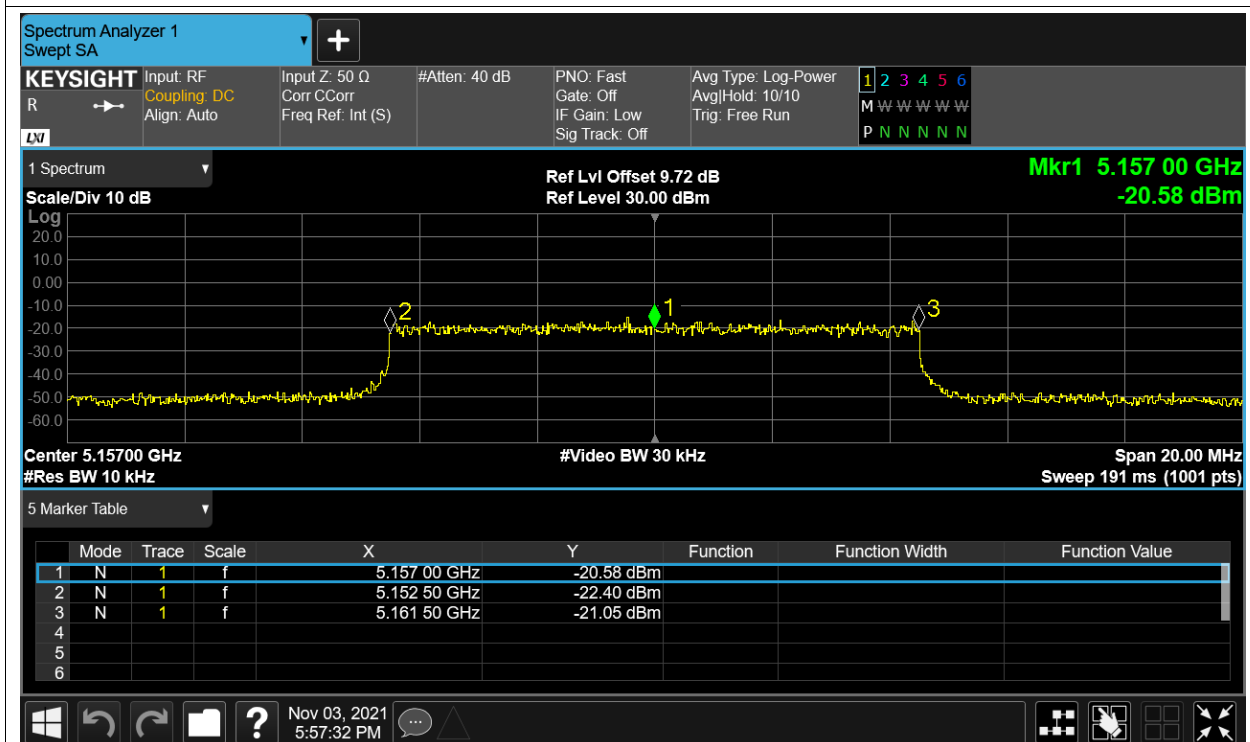
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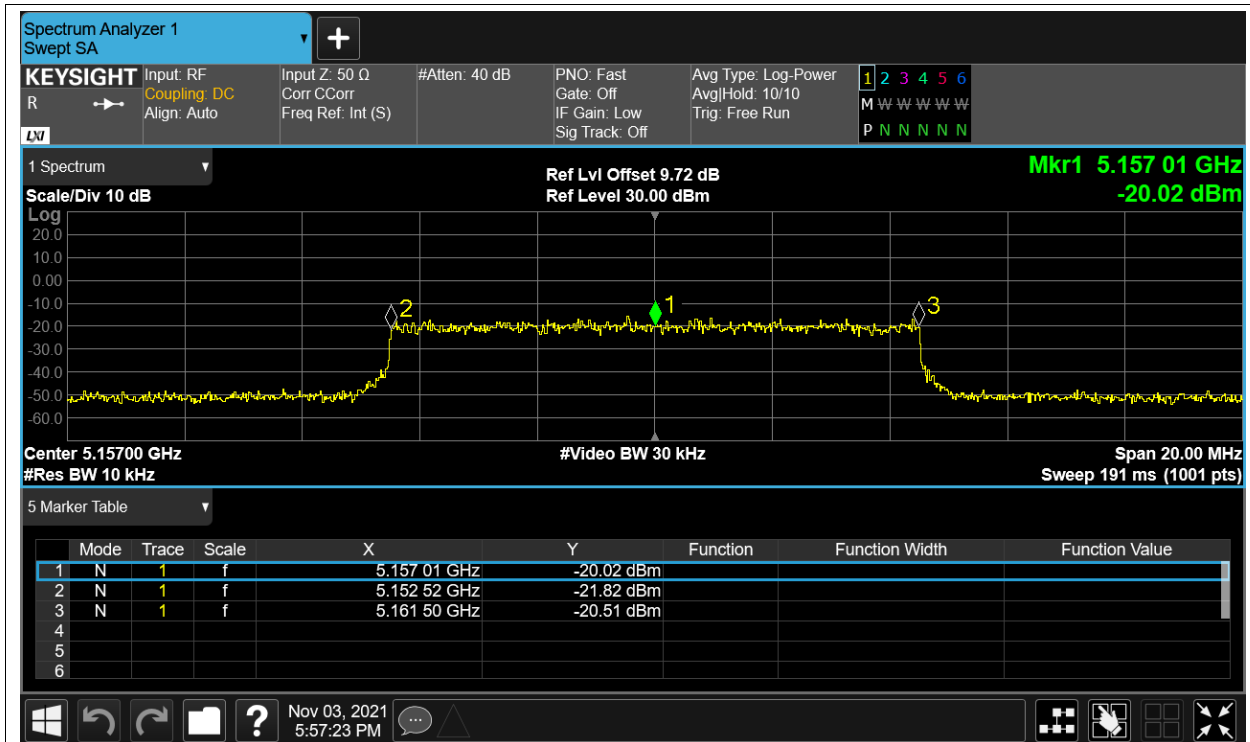
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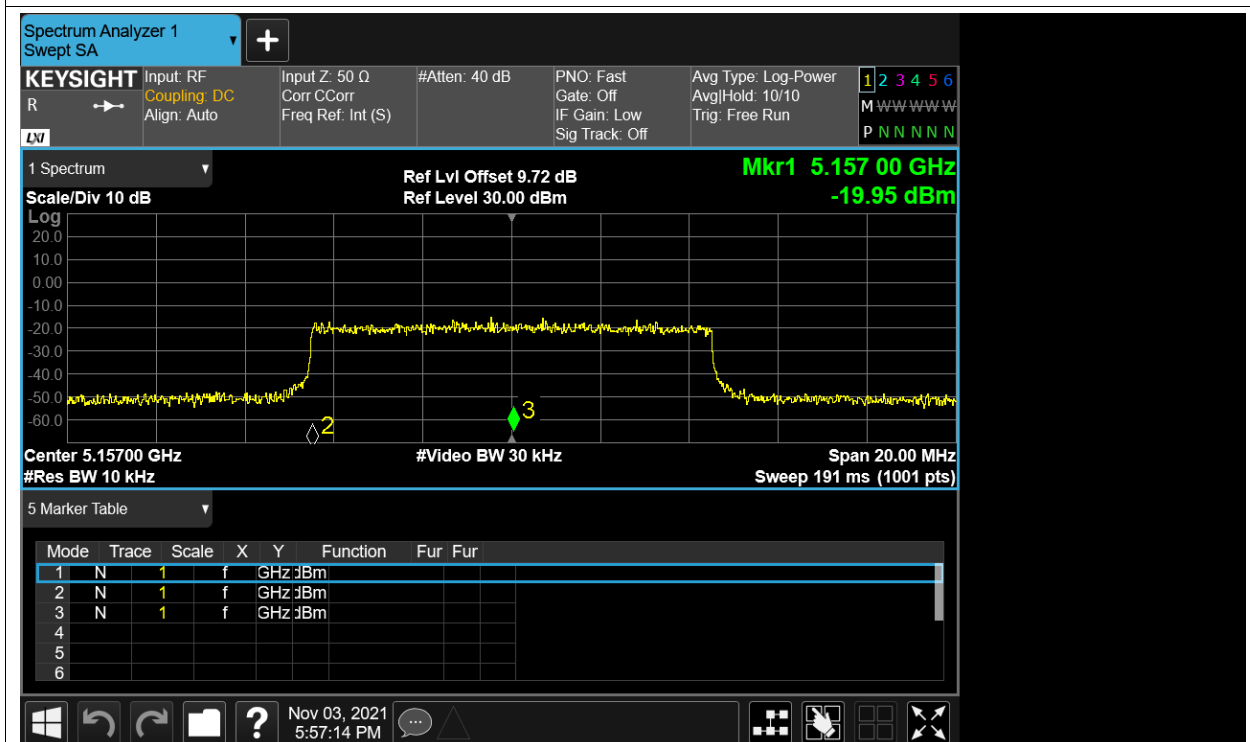
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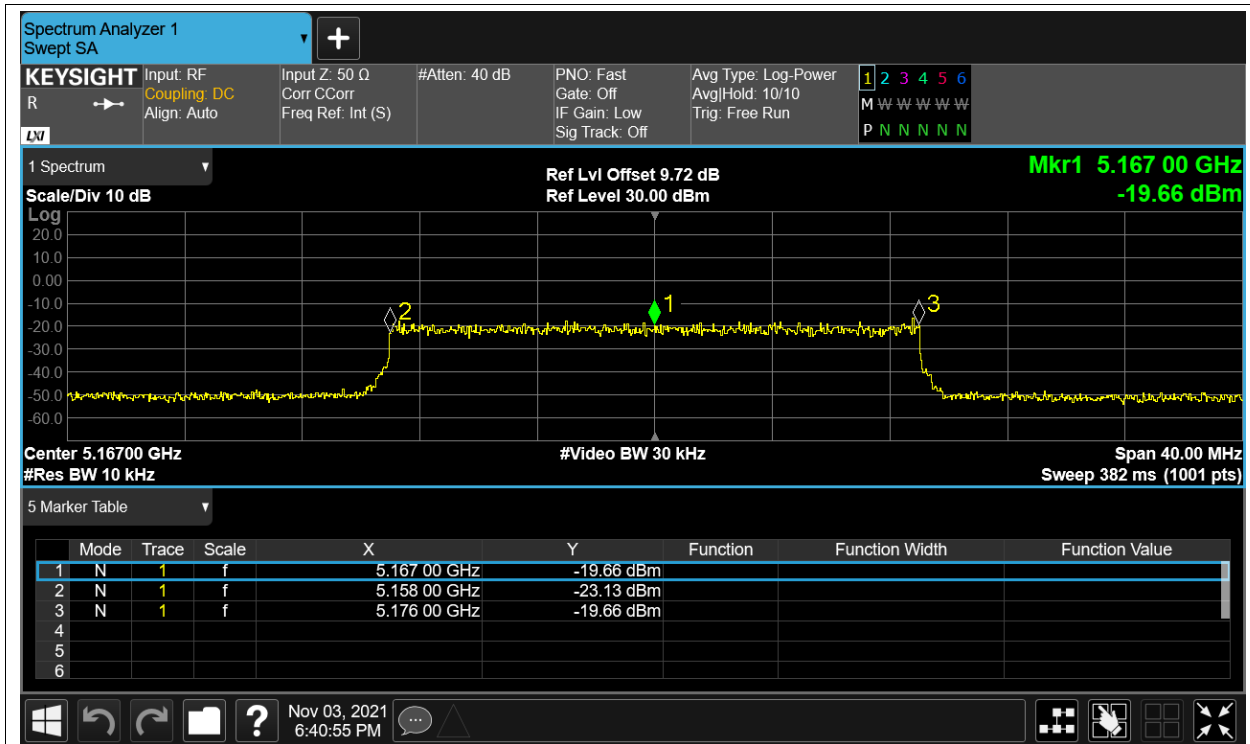
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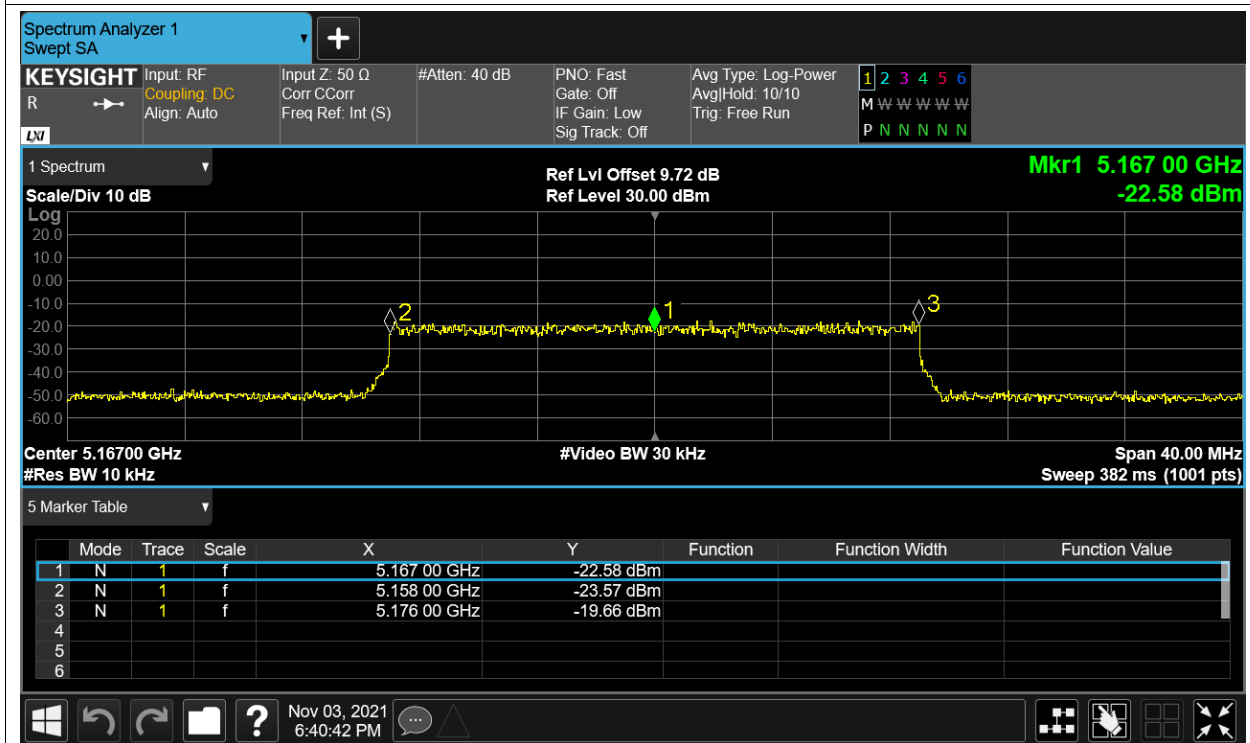
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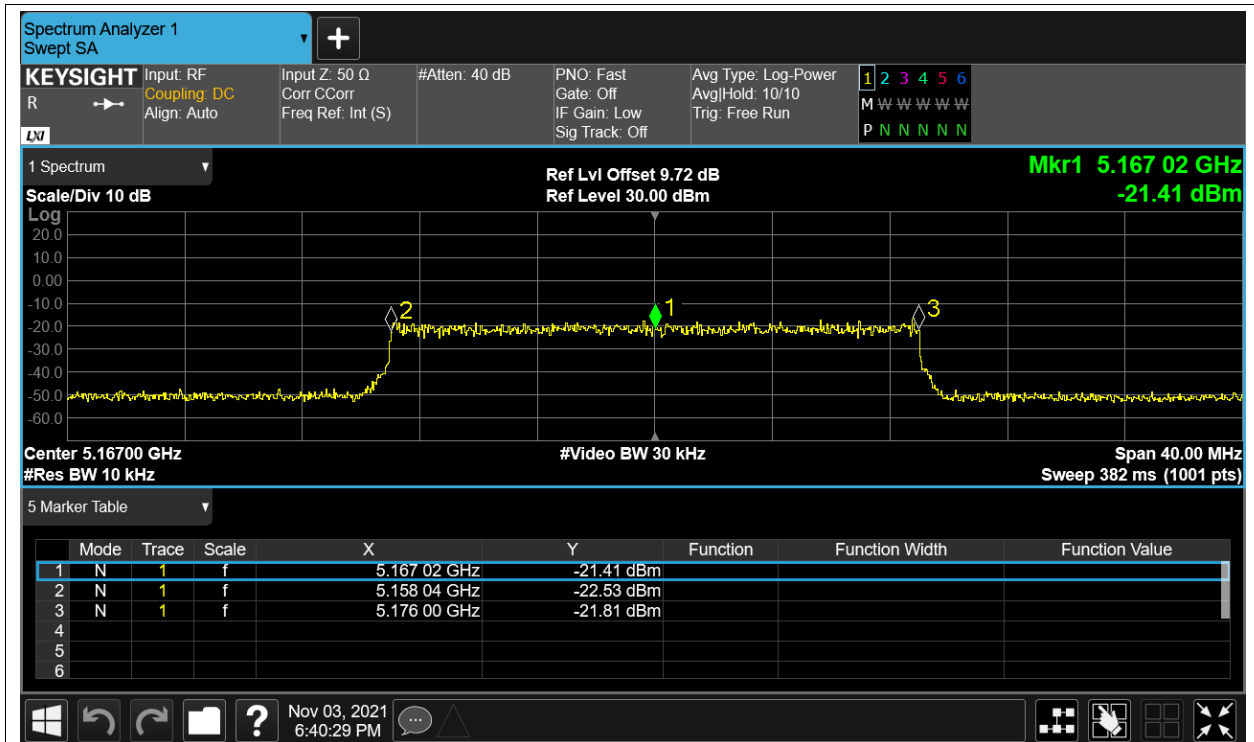
Freq. Stability HVHT 5.2G-20M-16QAM 5167MHz Sum



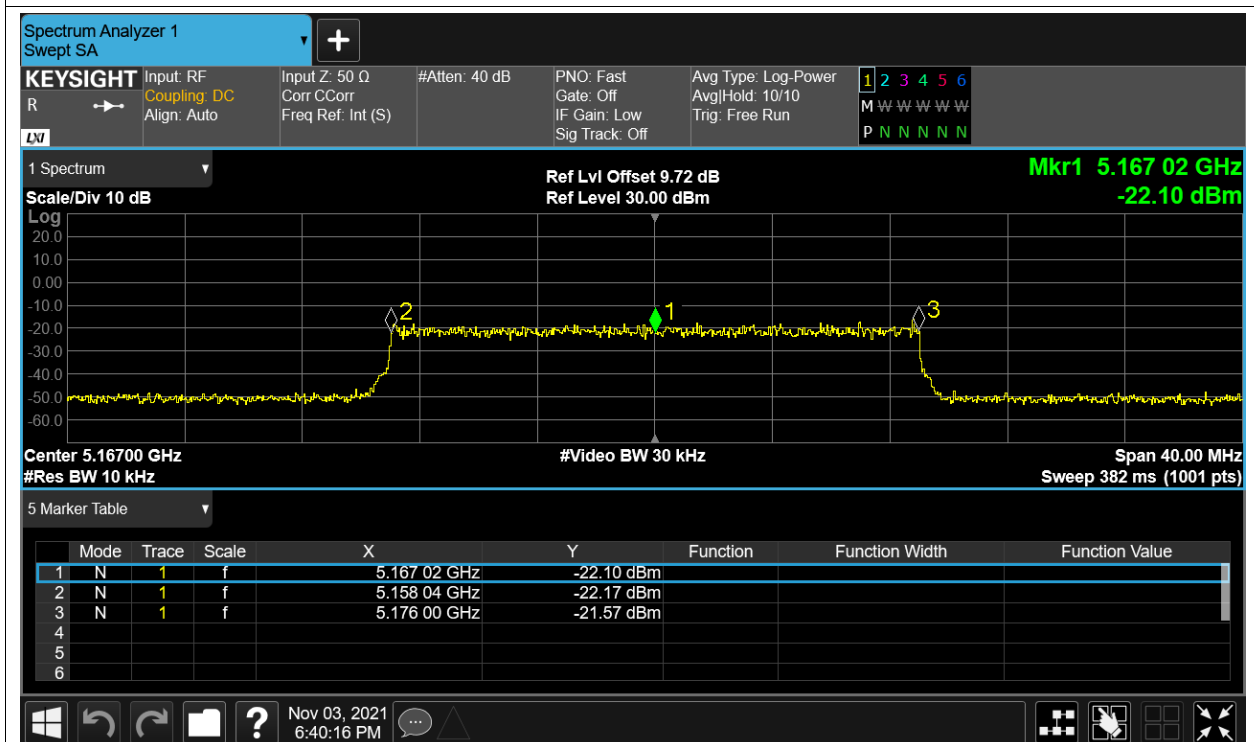
Freq. Stability HVLT 5.2G-20M-16QAM 5167MHz Sum



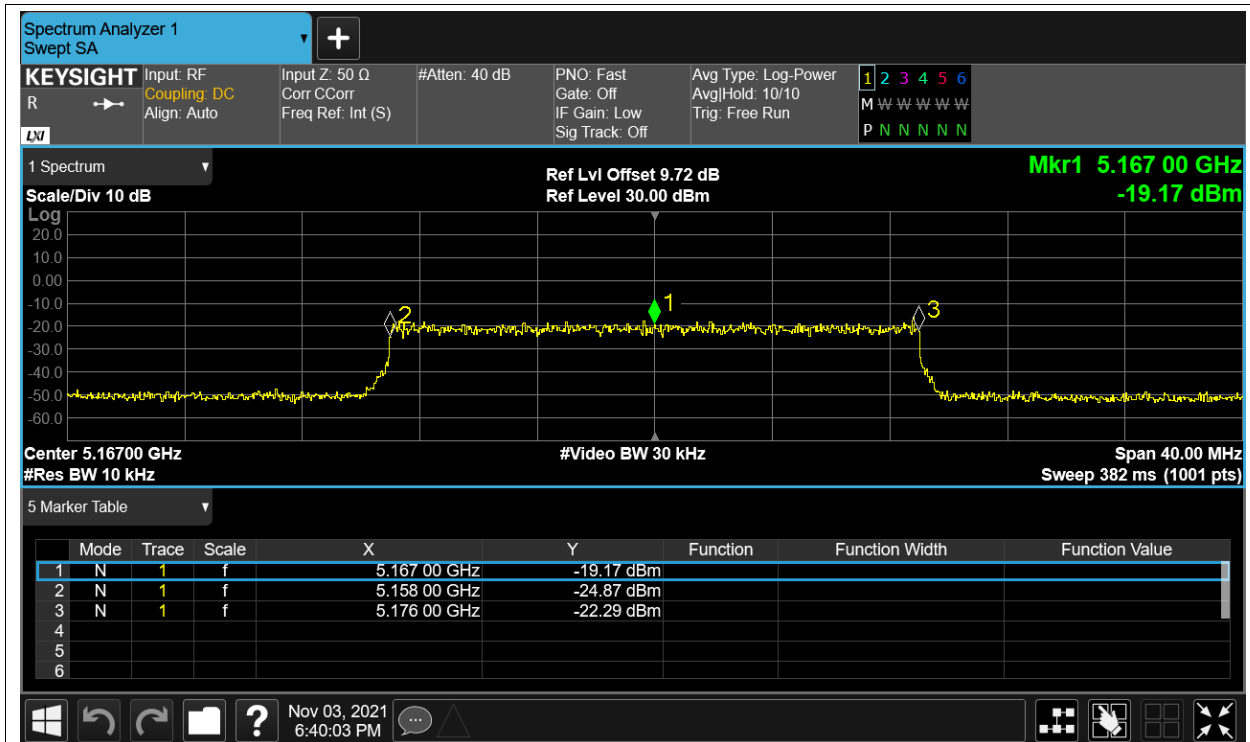
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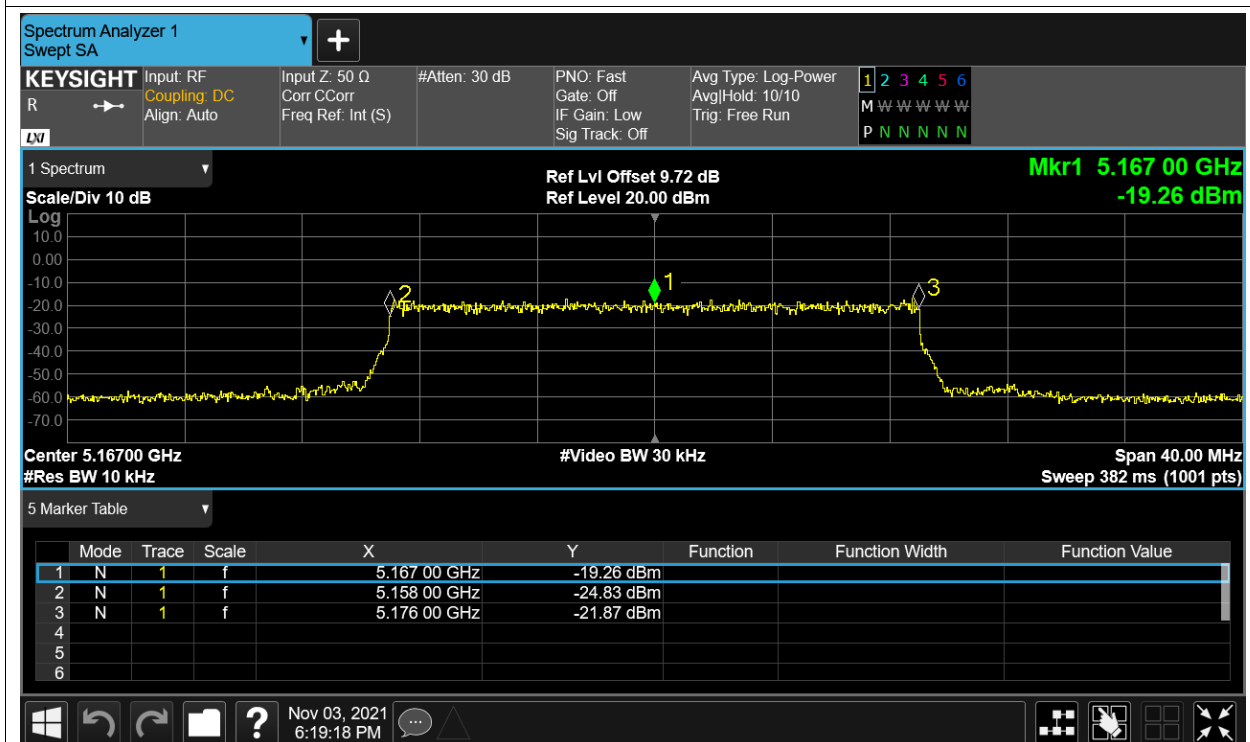
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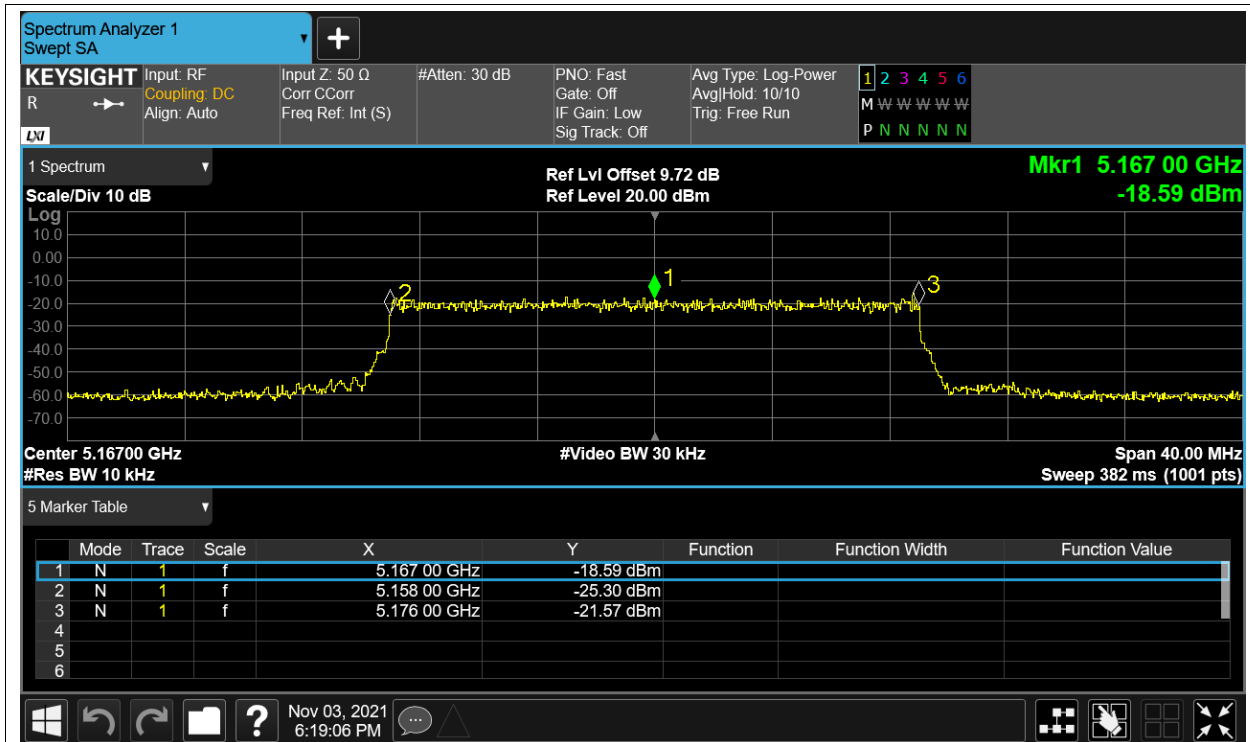
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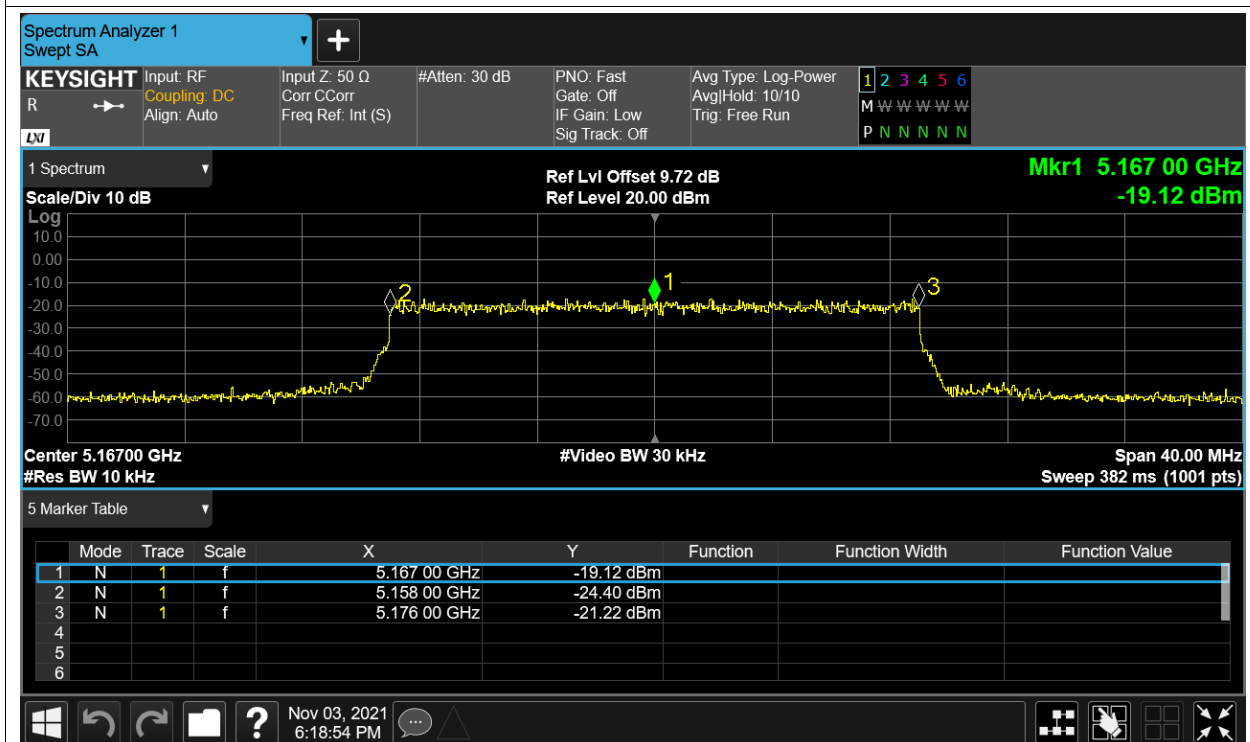
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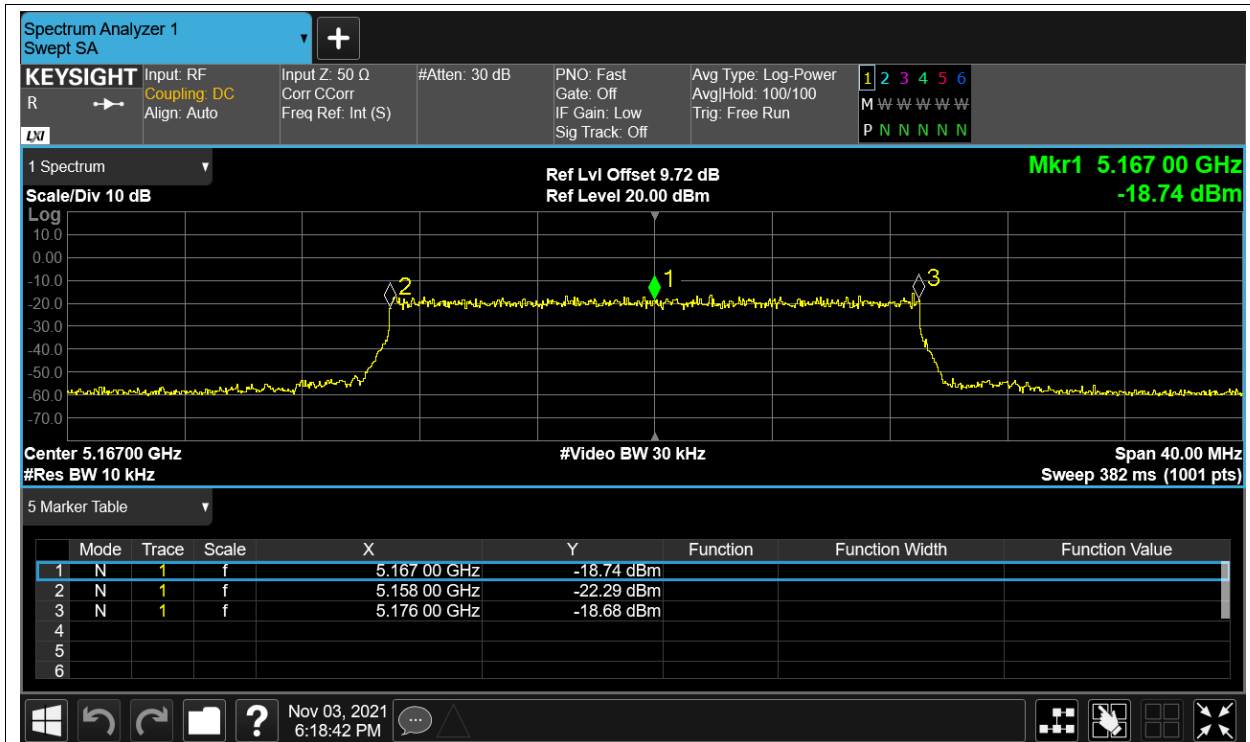
Freq. Stability HVLT 5.2G-20M-QPSK 5167MHz Sum



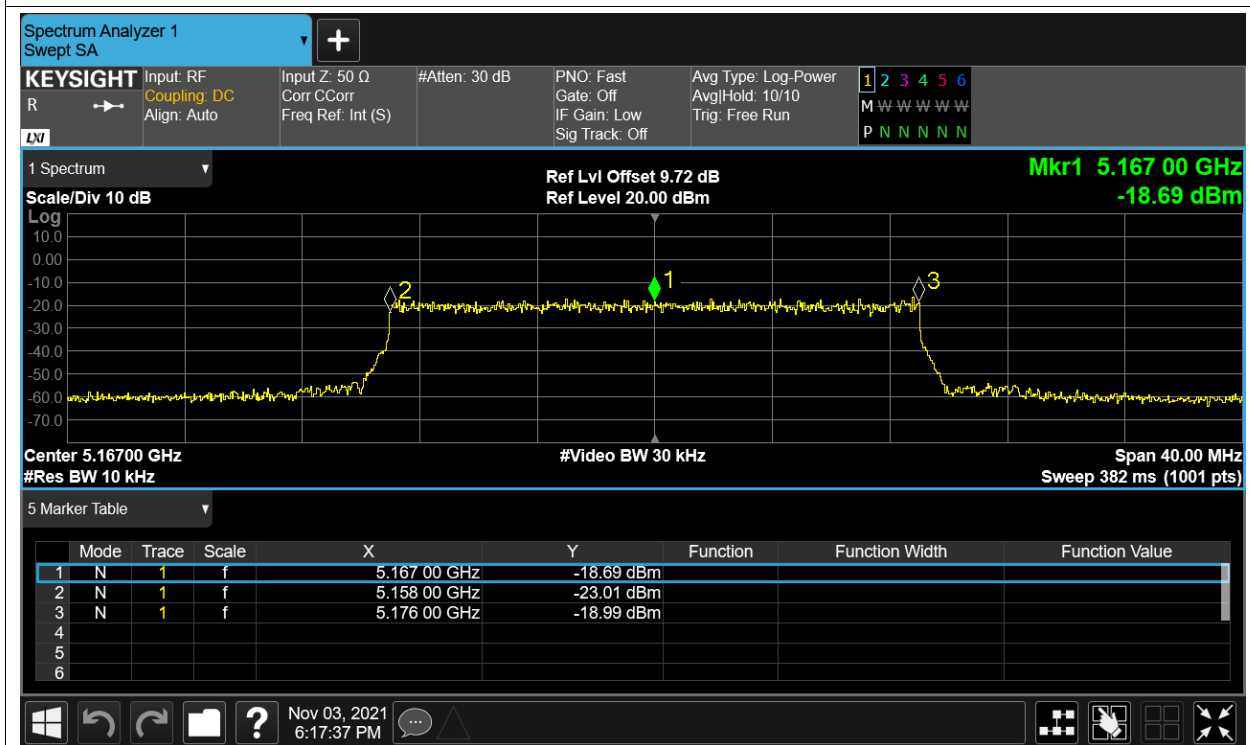
Freq. Stability LVHT 5.2G-20M-QPSK 5167MHz Sum



Freq. Stability LVLT 5.2G-20M-QPSK 5167MHz Sum

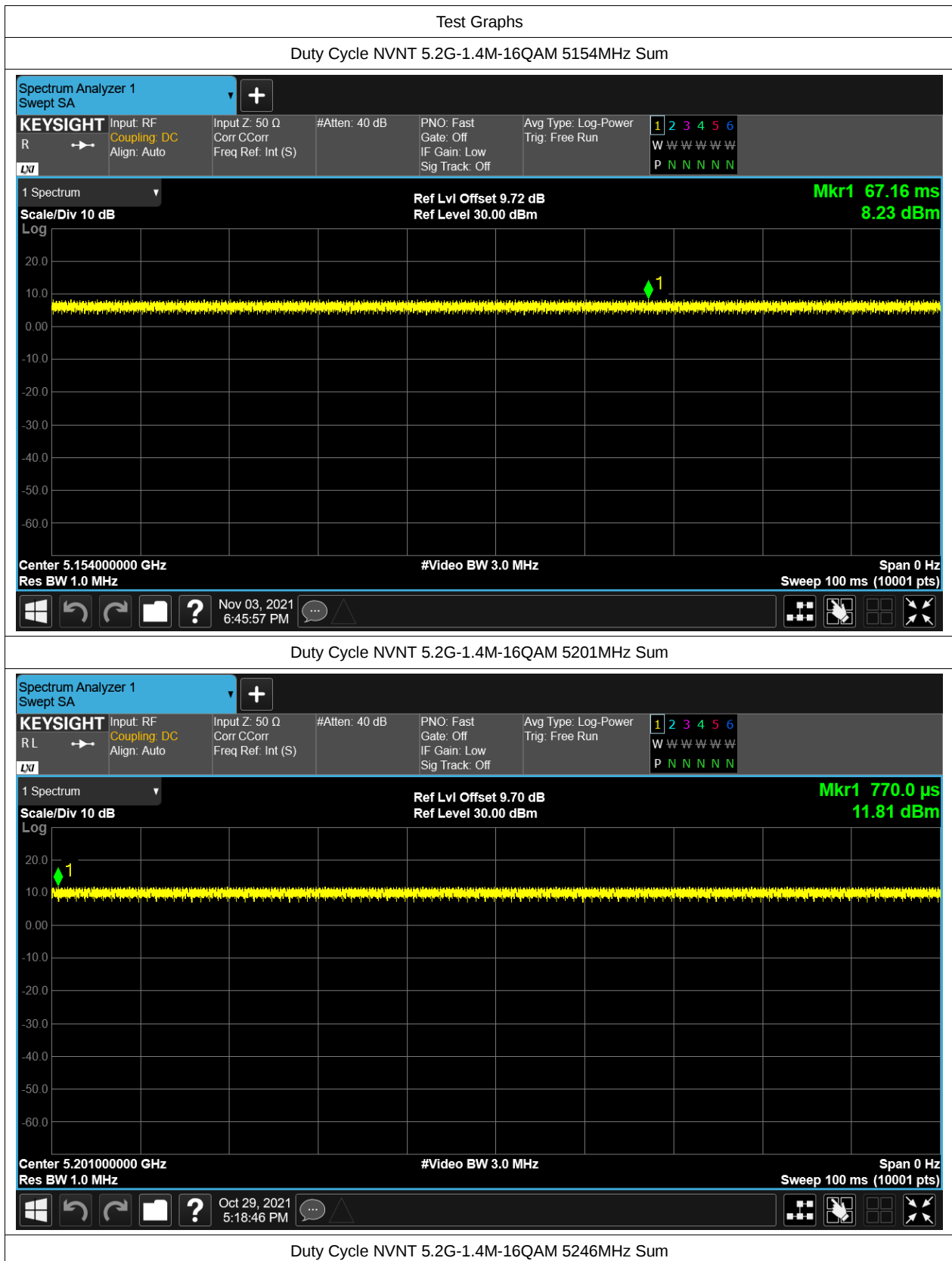


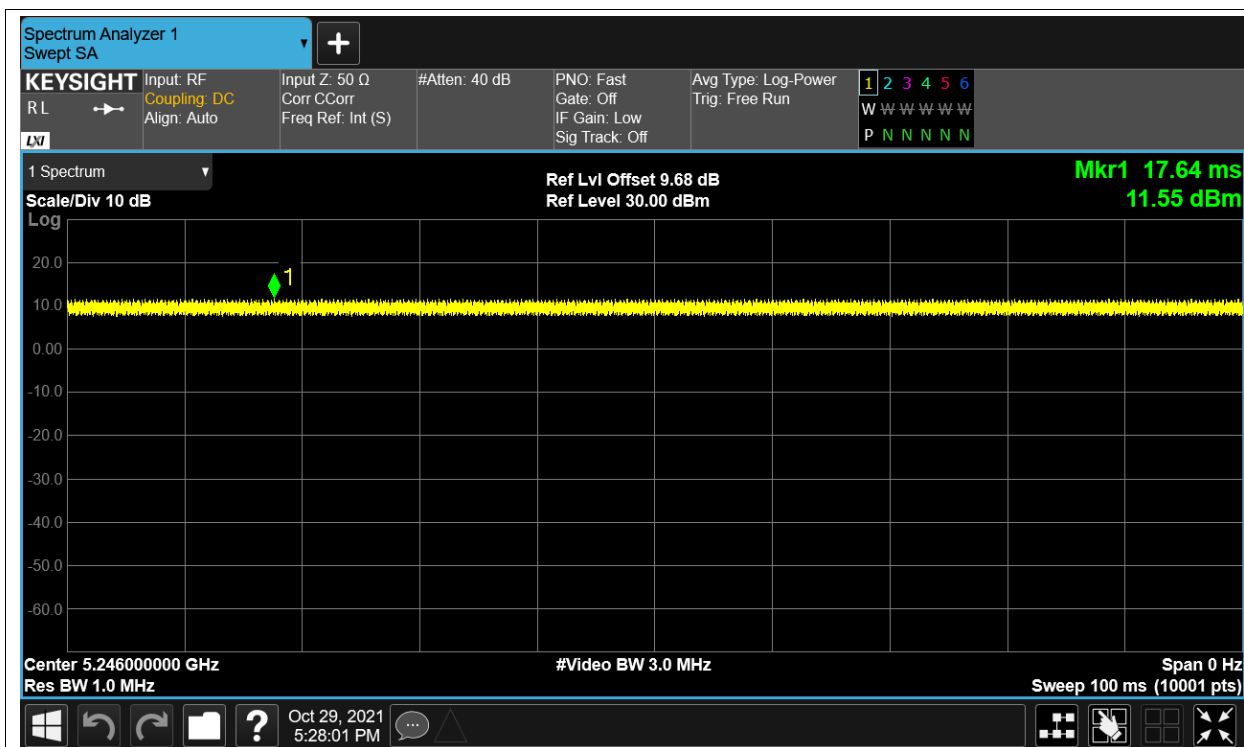
Freq. Stability NVNT 5.2G-20M-QPSK 5167MHz Sum



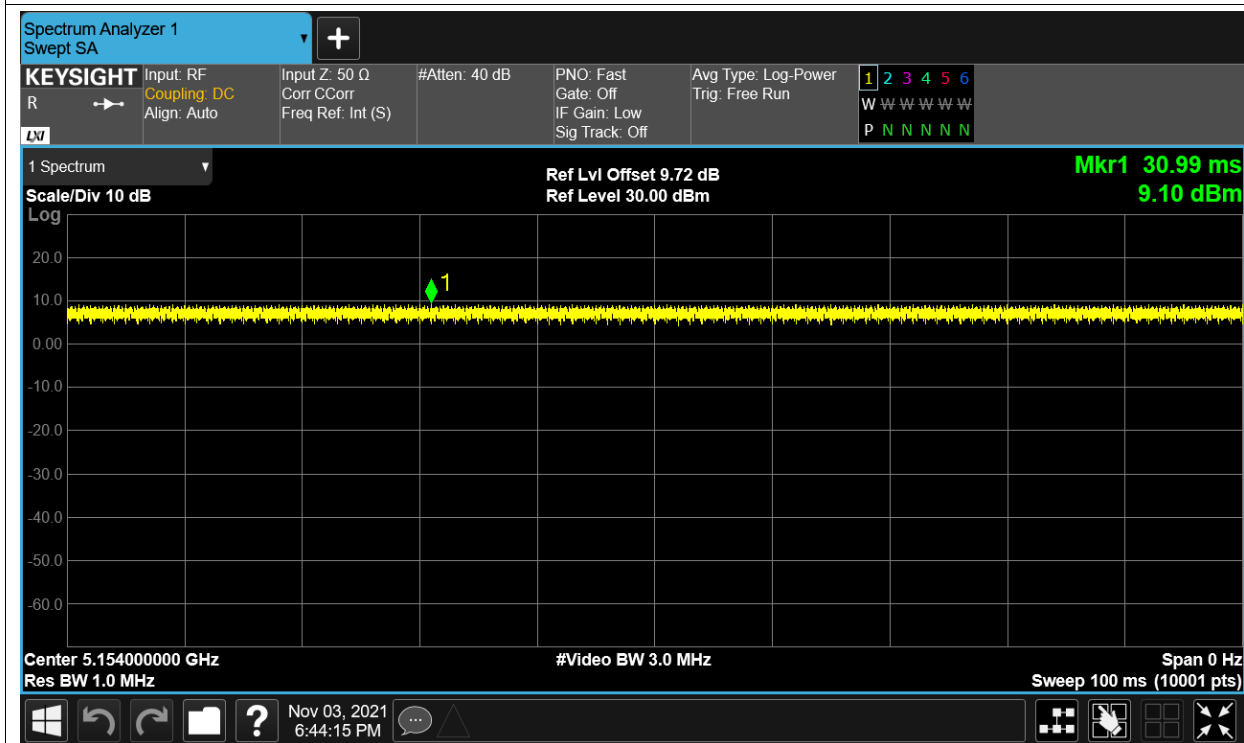
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	5.2G-1.4M-16QAM	5154	Sum	100	0
NVNT	5.2G-1.4M-16QAM	5201	Sum	100	0
NVNT	5.2G-1.4M-16QAM	5246	Sum	100	0
NVNT	5.2G-1.4M-QPSK	5154	Sum	100	0
NVNT	5.2G-1.4M-QPSK	5201	Sum	100	0
NVNT	5.2G-1.4M-QPSK	5246	Sum	100	0
NVNT	5.2G-10M-16QAM	5157	Sum	100	0
NVNT	5.2G-10M-16QAM	5201	Sum	100	0
NVNT	5.2G-10M-16QAM	5243	Sum	100	0
NVNT	5.2G-10M-QPSK	5157	Sum	100	0
NVNT	5.2G-10M-QPSK	5201	Sum	100	0
NVNT	5.2G-10M-QPSK	5243	Sum	100	0
NVNT	5.2G-20M-16QAM	5167	Sum	100	0
NVNT	5.2G-20M-16QAM	5201	Sum	100	0
NVNT	5.2G-20M-16QAM	5233	Sum	100	0
NVNT	5.2G-20M-QPSK	5167	Sum	100	0
NVNT	5.2G-20M-QPSK	5201	Sum	100	0
NVNT	5.2G-20M-QPSK	5233	Sum	100	0

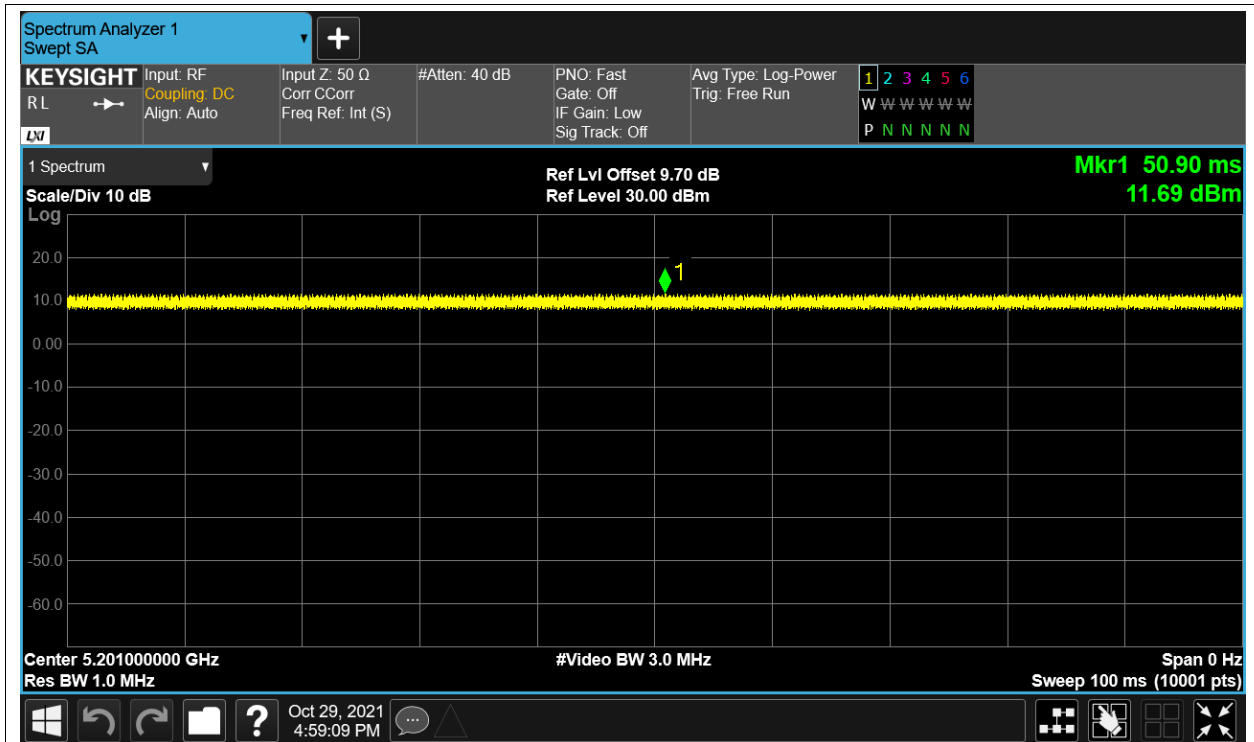




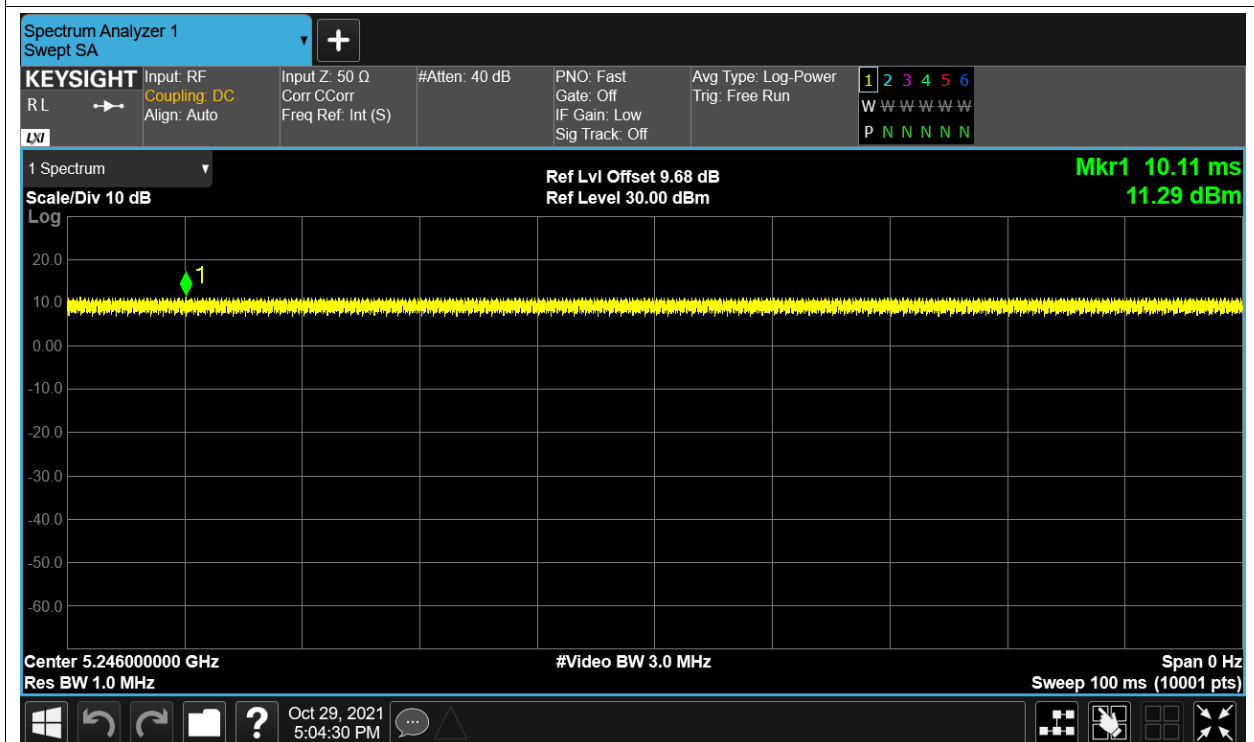
Duty Cycle NVNT 5.2G-1.4M-QPSK 5154MHz Sum



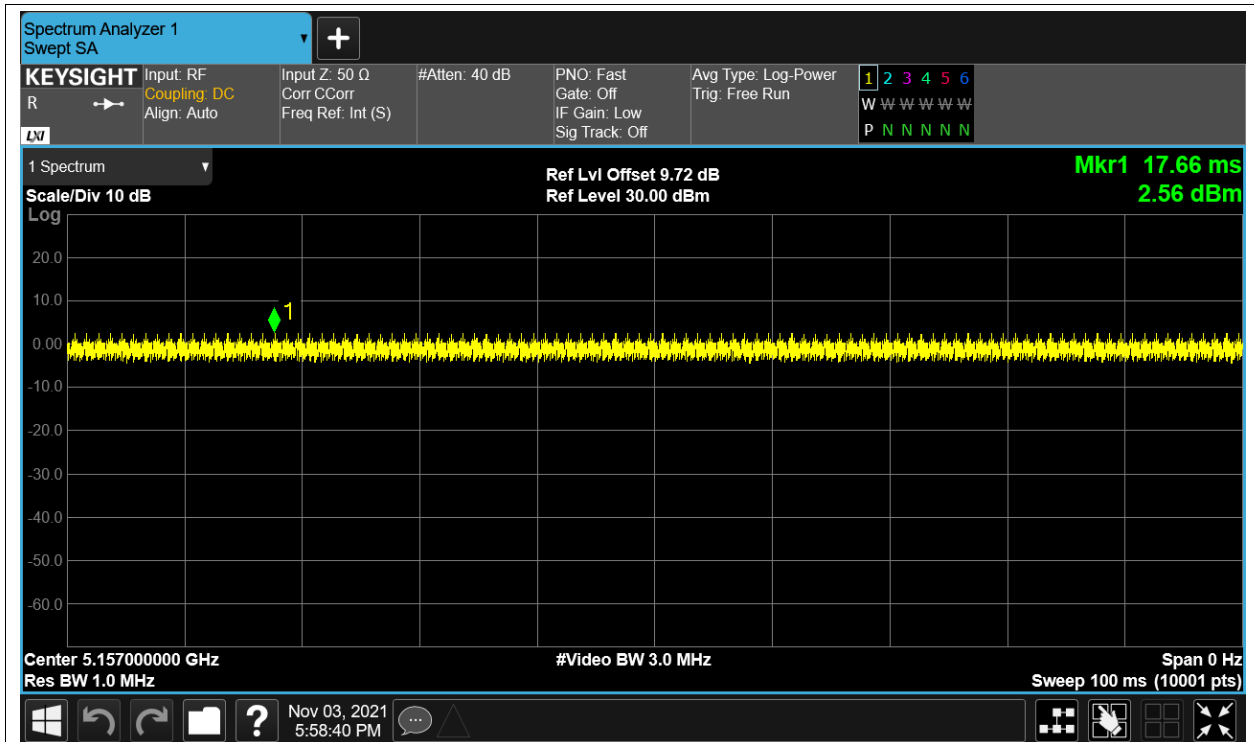
Duty Cycle NVNT 5.2G-1.4M-QPSK 5201MHz Sum



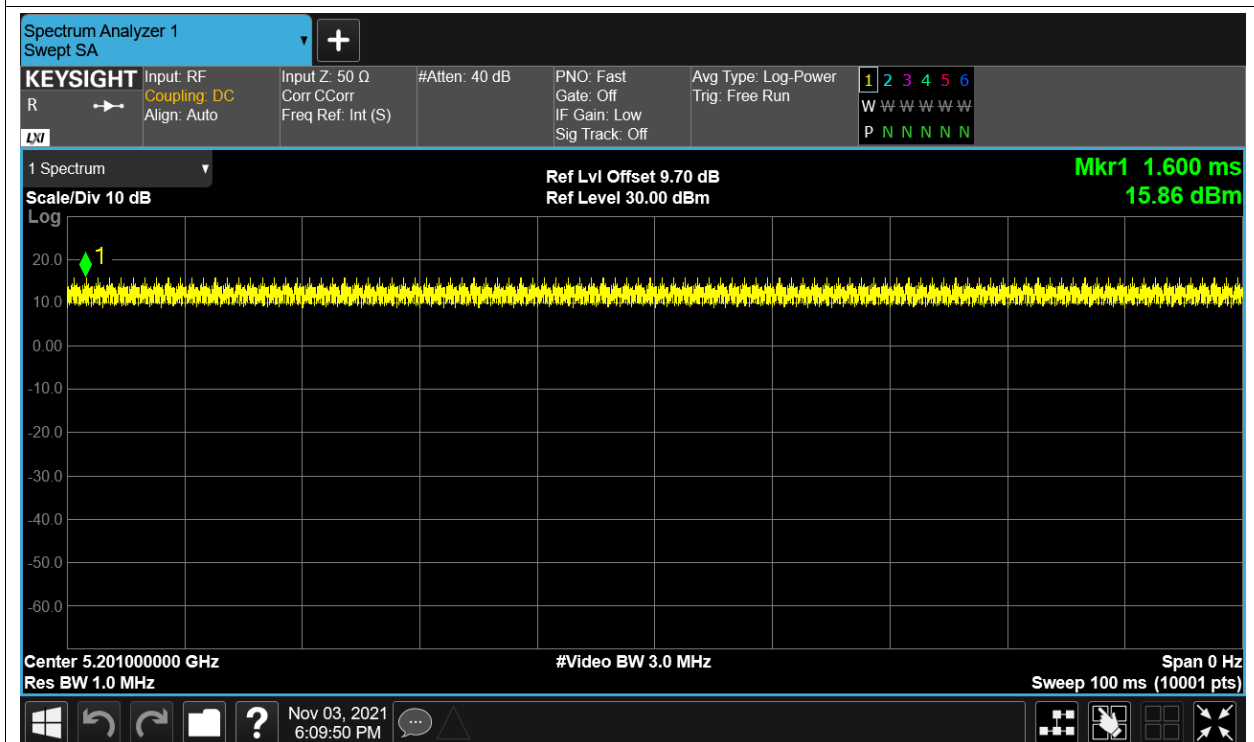
Duty Cycle NVNT 5.2G-1.4M-QPSK 5246MHz Sum



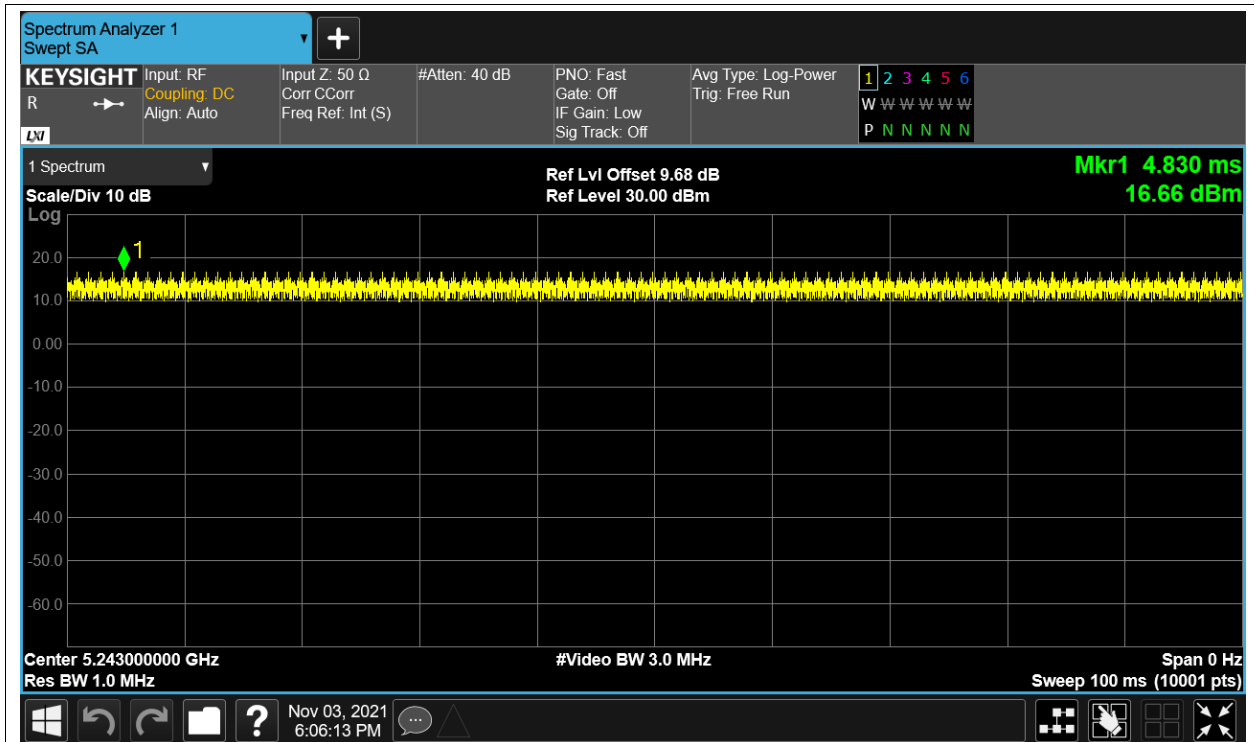
Duty Cycle NVNT 5.2G-10M-16QAM 5157MHz Sum



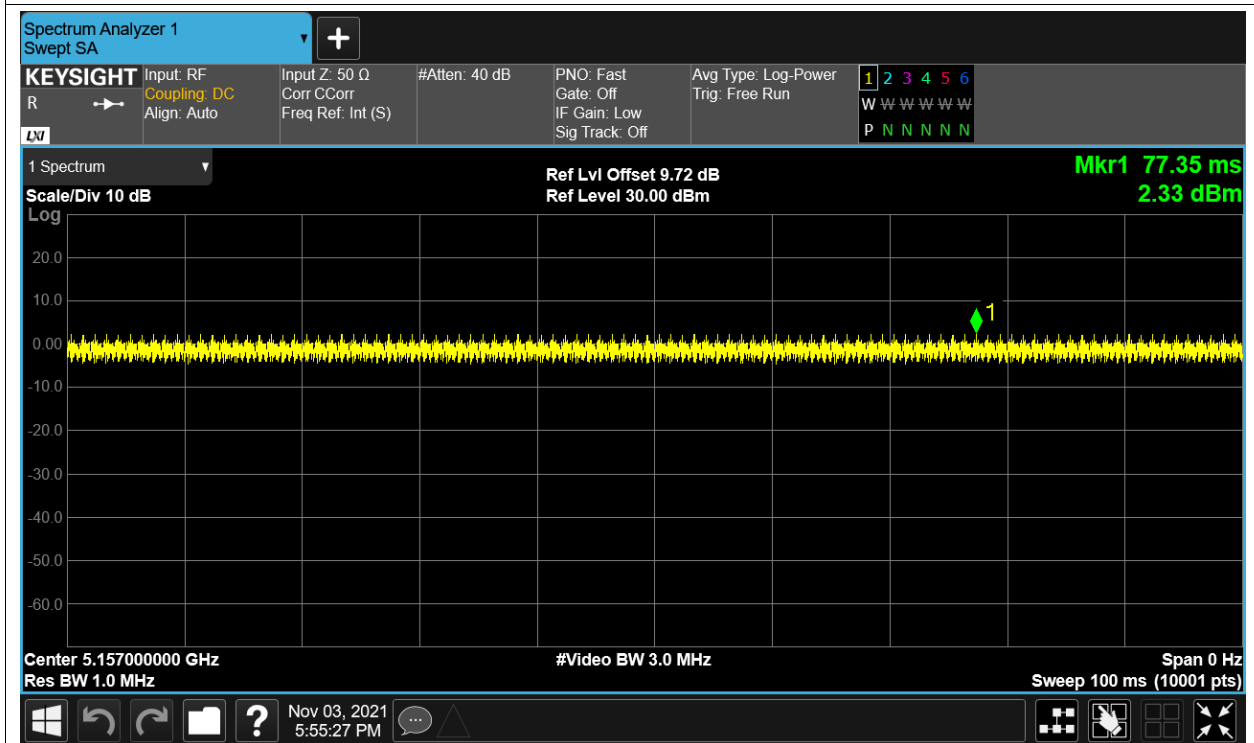
Duty Cycle NVNT 5.2G-10M-16QAM 5201MHz Sum



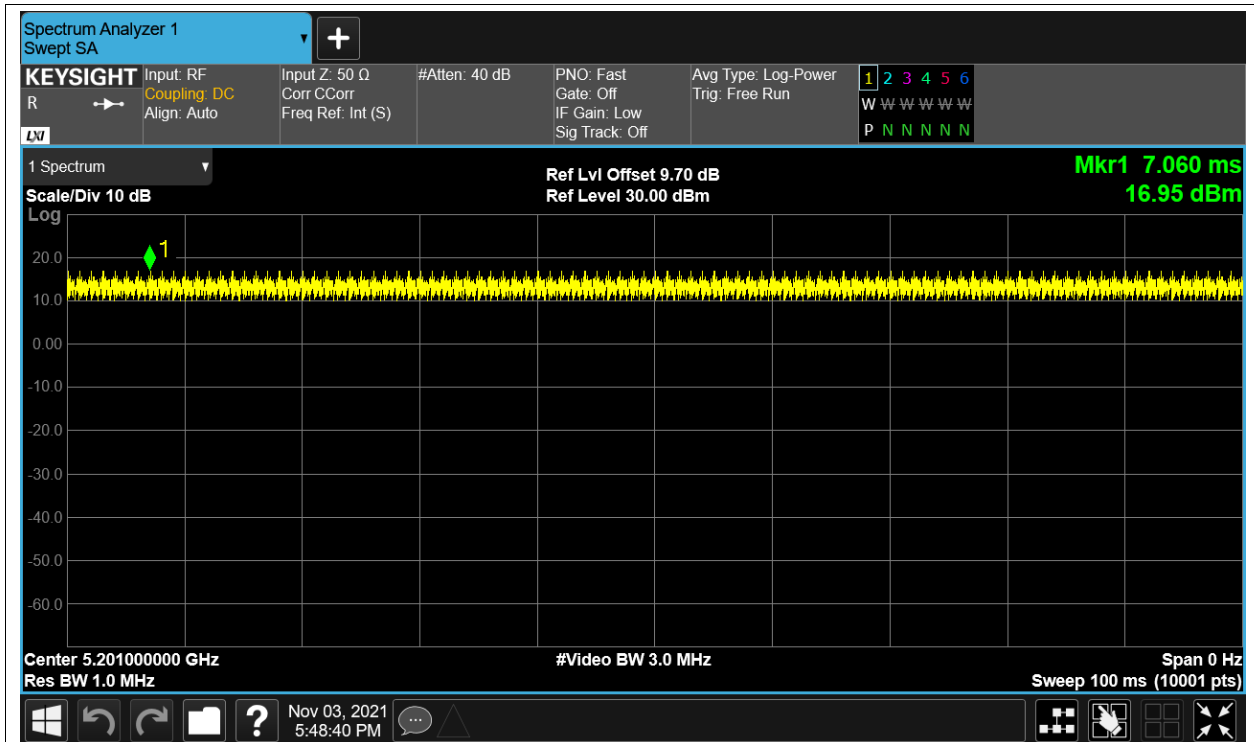
Duty Cycle NVNT 5.2G-10M-16QAM 5243MHz Sum



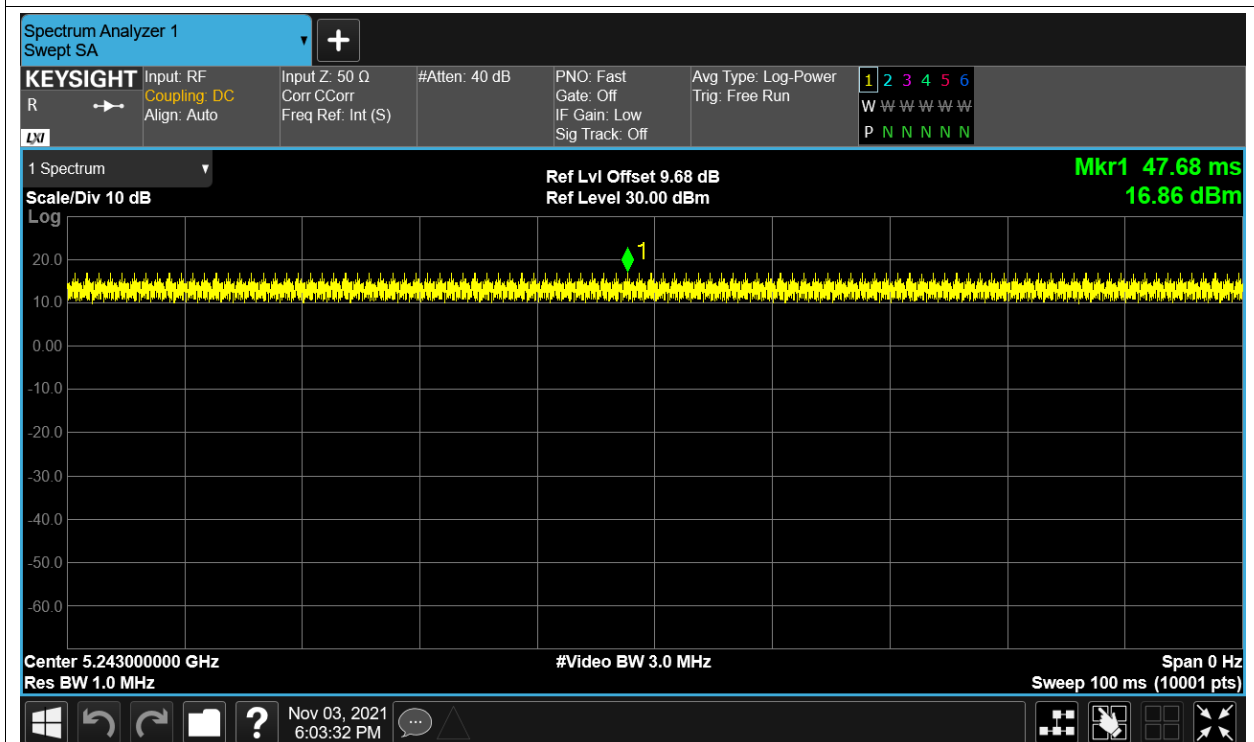
Duty Cycle NVNT 5.2G-10M-QPSK 5157MHz Sum



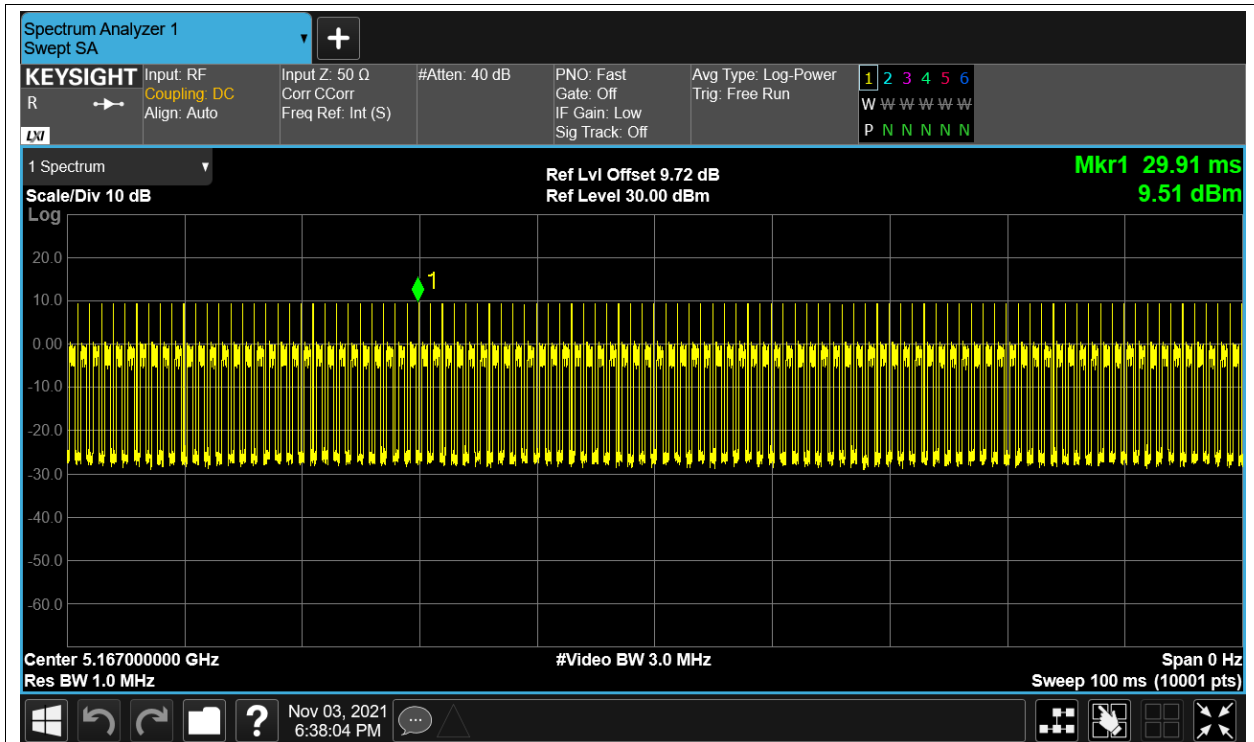
Duty Cycle NVNT 5.2G-10M-QPSK 5201MHz Sum



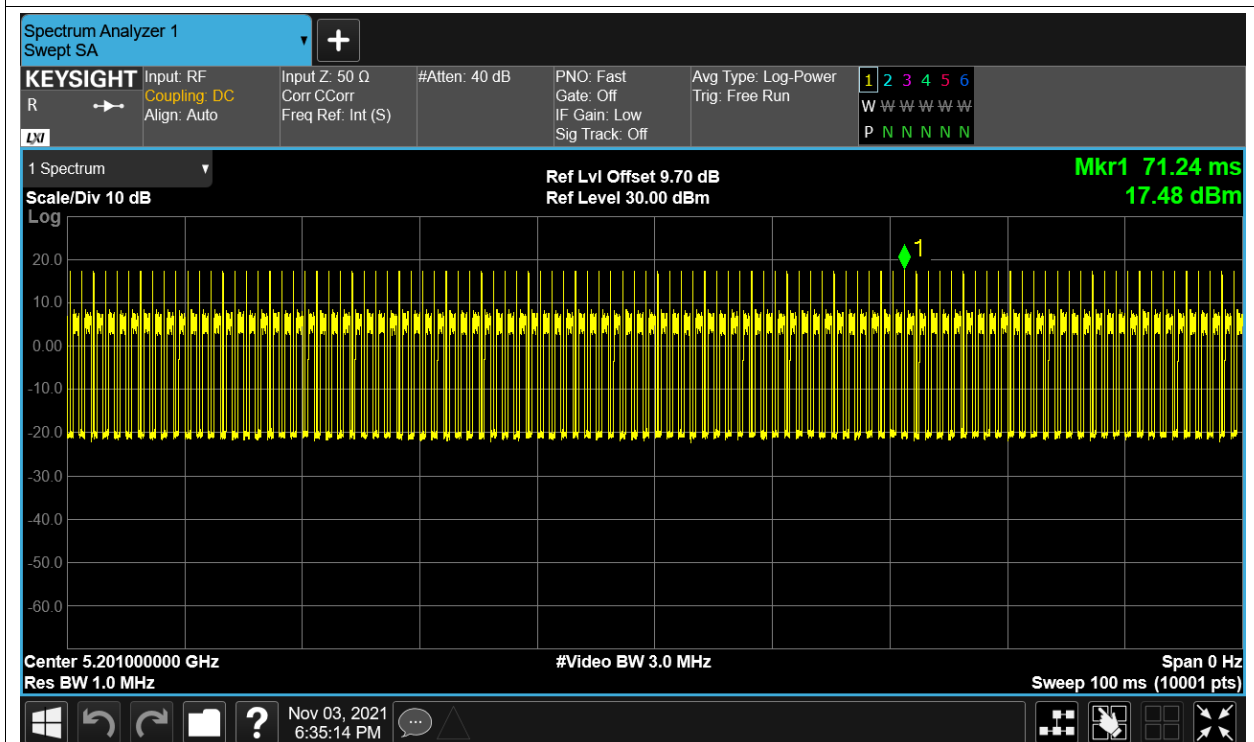
Duty Cycle NVNT 5.2G-10M-QPSK 5243MHz Sum



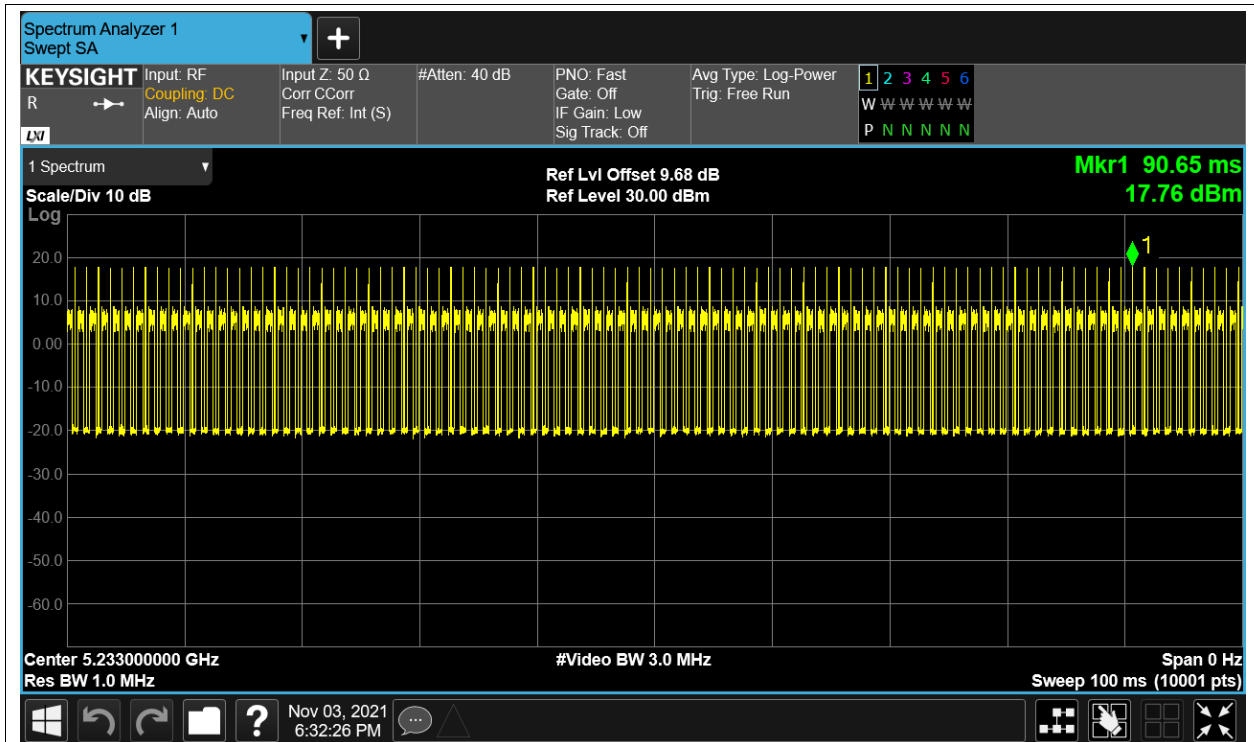
Duty Cycle NVNT 5.2G-20M-16QAM 5167MHz Sum



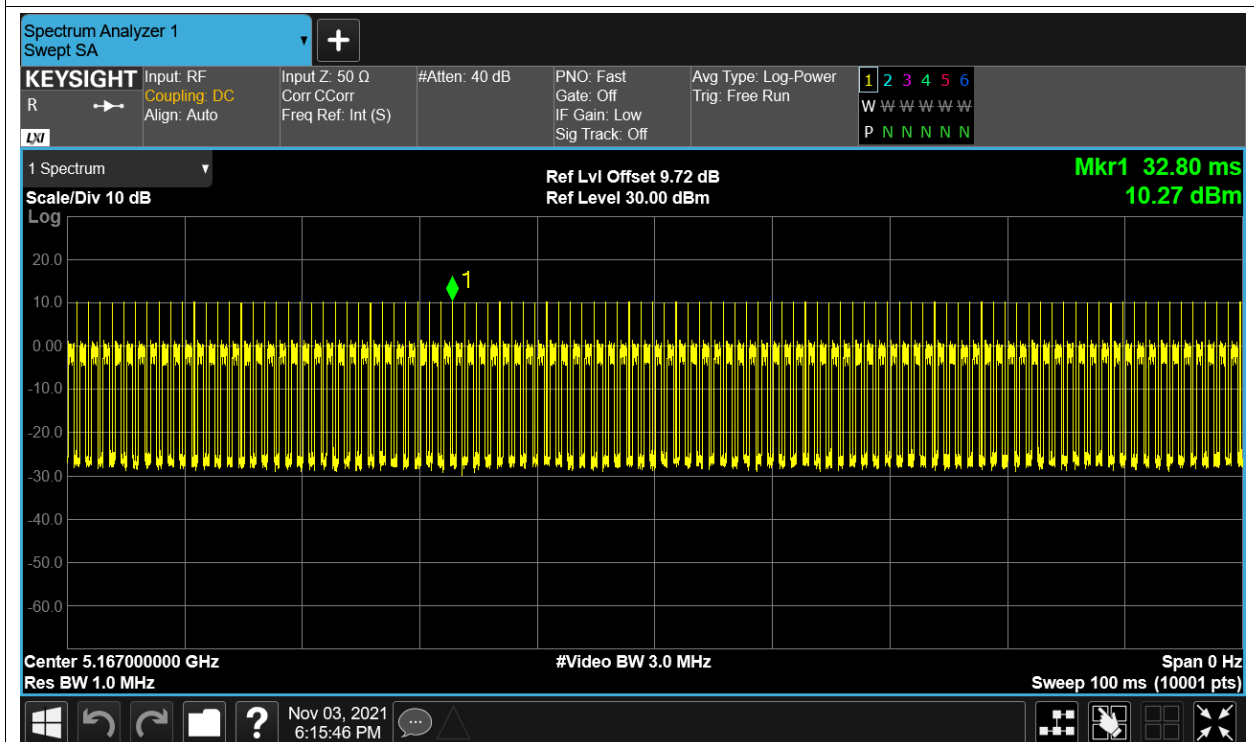
Duty Cycle NVNT 5.2G-20M-16QAM 5201MHz Sum



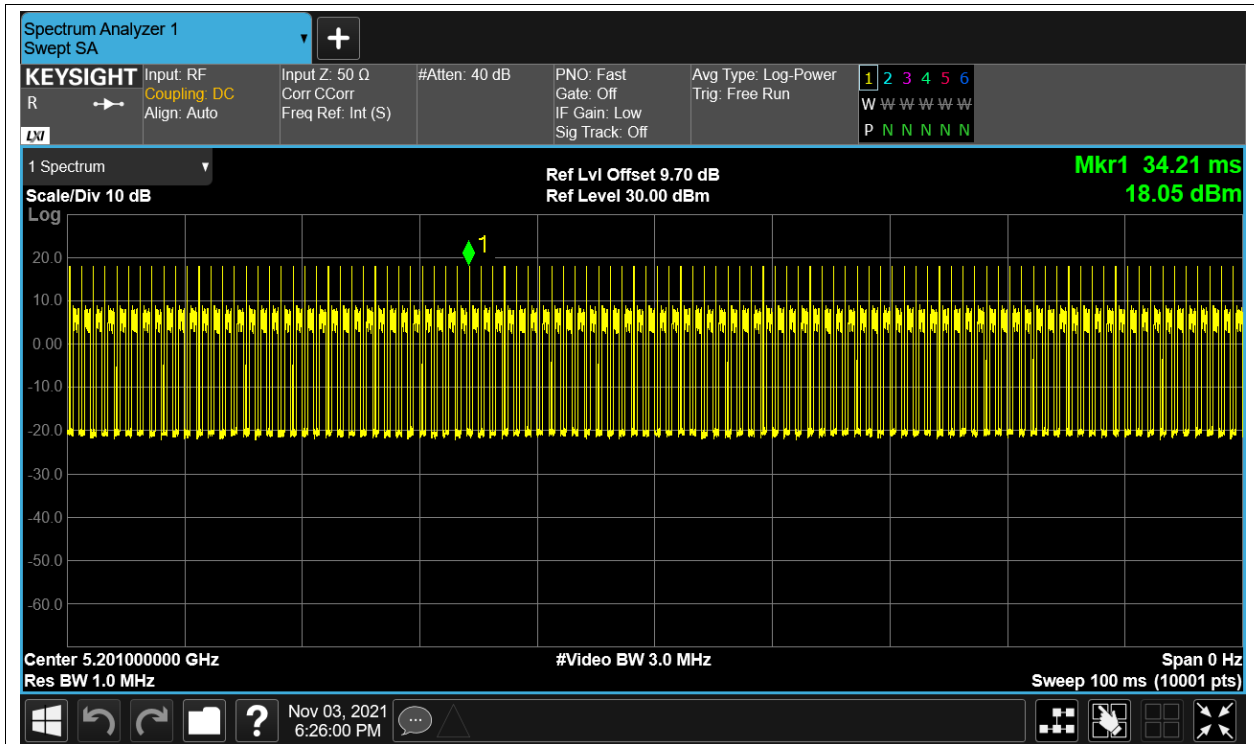
Duty Cycle NVNT 5.2G-20M-16QAM 5233MHz Sum



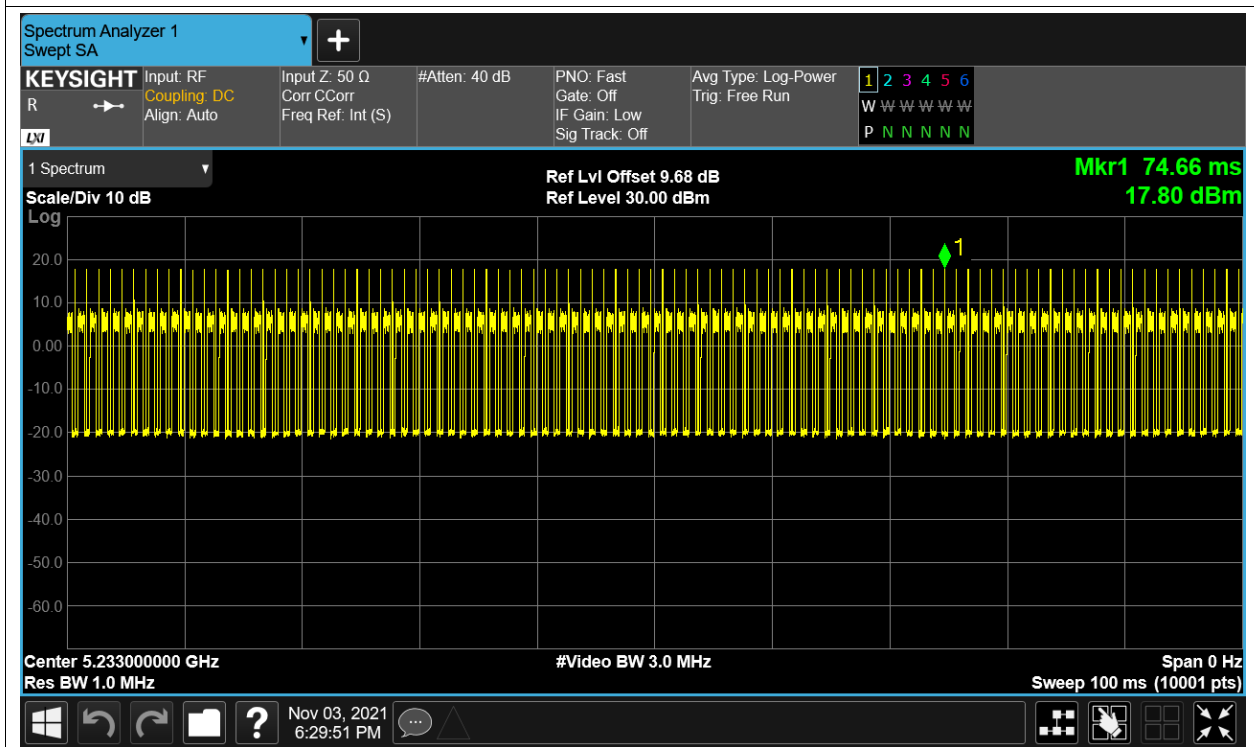
Duty Cycle NVNT 5.2G-20M-QPSK 5167MHz Sum



Duty Cycle NVNT 5.2G-20M-QPSK 5201MHz Sum



Duty Cycle NVNT 5.2G-20M-QPSK 5233MHz Sum



Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	5.2G-1.4M-16QAM	5154	Ant1	4.13	0	4.13	24	Pass
NVNT	5.2G-1.4M-16QAM	5154	Ant2	6.44	0	6.44	24	Pass
NVNT	5.2G-1.4M-16QAM	5154	Sum	8.447	0	8.447	24	Pass
NVNT	5.2G-1.4M-16QAM	5201	Ant1	7.71	0	7.71	24	Pass
NVNT	5.2G-1.4M-16QAM	5201	Ant2	7.9	0	7.9	24	Pass
NVNT	5.2G-1.4M-16QAM	5201	Sum	10.816	0	10.816	24	Pass
NVNT	5.2G-1.4M-16QAM	5246	Ant1	7.58	0	7.58	24	Pass
NVNT	5.2G-1.4M-16QAM	5246	Ant2	7.77	0	7.77	24	Pass
NVNT	5.2G-1.4M-16QAM	5246	Sum	10.686	0	10.686	24	Pass
NVNT	5.2G-1.4M-QPSK	5154	Ant1	4.9	0	4.9	24	Pass
NVNT	5.2G-1.4M-QPSK	5154	Ant2	7.21	0	7.21	24	Pass
NVNT	5.2G-1.4M-QPSK	5154	Sum	9.217	0	9.217	24	Pass
NVNT	5.2G-1.4M-QPSK	5201	Ant1	7.71	0	7.71	24	Pass
NVNT	5.2G-1.4M-QPSK	5201	Ant2	7.55	0	7.55	24	Pass
NVNT	5.2G-1.4M-QPSK	5201	Sum	10.641	0	10.641	24	Pass
NVNT	5.2G-1.4M-QPSK	5246	Ant1	7.41	0	7.41	24	Pass
NVNT	5.2G-1.4M-QPSK	5246	Ant2	7.51	0	7.51	24	Pass
NVNT	5.2G-1.4M-QPSK	5246	Sum	10.471	0	10.471	24	Pass
NVNT	5.2G-10M-16QAM	5157	Ant1	3.42	0	3.42	24	Pass
NVNT	5.2G-10M-16QAM	5157	Ant2	5.52	0	5.52	24	Pass
NVNT	5.2G-10M-16QAM	5157	Sum	7.606	0	7.606	24	Pass
NVNT	5.2G-10M-16QAM	5201	Ant1	15.01	0	15.01	24	Pass
NVNT	5.2G-10M-16QAM	5201	Ant2	16.39	0	16.39	24	Pass
NVNT	5.2G-10M-16QAM	5201	Sum	18.765	0	18.765	24	Pass
NVNT	5.2G-10M-16QAM	5243	Ant1	15.08	0	15.08	24	Pass
NVNT	5.2G-10M-16QAM	5243	Ant2	16.36	0	16.36	24	Pass
NVNT	5.2G-10M-16QAM	5243	Sum	18.777	0	18.777	24	Pass
NVNT	5.2G-10M-QPSK	5157	Ant1	3.24	0	3.24	24	Pass
NVNT	5.2G-10M-QPSK	5157	Ant2	5.35	0	5.35	24	Pass
NVNT	5.2G-10M-QPSK	5157	Sum	7.432	0	7.432	24	Pass
NVNT	5.2G-10M-QPSK	5201	Ant1	13.6	0	13.6	24	Pass
NVNT	5.2G-10M-QPSK	5201	Ant2	17.69	0	17.69	24	Pass
NVNT	5.2G-10M-QPSK	5201	Sum	19.12	0	19.12	24	Pass
NVNT	5.2G-10M-QPSK	5243	Ant1	15.39	0	15.39	24	Pass
NVNT	5.2G-10M-QPSK	5243	Ant2	17.85	0	17.85	24	Pass
NVNT	5.2G-10M-QPSK	5243	Sum	19.802	0	19.802	24	Pass
NVNT	5.2G-20M-16QAM	5167	Ant1	9.73	0	9.73	24	Pass
NVNT	5.2G-20M-16QAM	5167	Ant2	12.16	0	12.16	24	Pass

NVNT	5.2G-20M-16QAM	5167	Sum	14.123	0	14.123	24	Pass
NVNT	5.2G-20M-16QAM	5201	Ant1	17.12	0	17.12	24	Pass
NVNT	5.2G-20M-16QAM	5201	Ant2	19.69	0	19.69	24	Pass
NVNT	5.2G-20M-16QAM	5201	Sum	21.603	0	21.603	24	Pass
NVNT	5.2G-20M-16QAM	5233	Ant1	17.51	0	17.51	24	Pass
NVNT	5.2G-20M-16QAM	5233	Ant2	19.8	0	19.8	24	Pass
NVNT	5.2G-20M-16QAM	5233	Sum	21.815	0	21.815	24	Pass
NVNT	5.2G-20M-QPSK	5167	Ant1	11.19	0	11.19	24	Pass
NVNT	5.2G-20M-QPSK	5167	Ant2	13.24	0	13.24	24	Pass
NVNT	5.2G-20M-QPSK	5167	Sum	15.345	0	15.345	24	Pass
NVNT	5.2G-20M-QPSK	5201	Ant1	17.95	0	17.95	24	Pass
NVNT	5.2G-20M-QPSK	5201	Ant2	20.53	0	20.53	24	Pass
NVNT	5.2G-20M-QPSK	5201	Sum	22.439	0	22.439	24	Pass
NVNT	5.2G-20M-QPSK	5233	Ant1	17.54	0	17.54	24	Pass
NVNT	5.2G-20M-QPSK	5233	Ant2	19.82	0	19.82	24	Pass
NVNT	5.2G-20M-QPSK	5233	Sum	21.838	0	21.838	24	Pass

Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	5.2G-1.4M-16QAM	5154	Ant1	1.123979485
NVNT	5.2G-1.4M-16QAM	5154	Ant2	1.12355047
NVNT	5.2G-1.4M-16QAM	5201	Ant1	1.118678977
NVNT	5.2G-1.4M-16QAM	5201	Ant2	1.119018302
NVNT	5.2G-1.4M-16QAM	5246	Ant1	1.119235569
NVNT	5.2G-1.4M-16QAM	5246	Ant2	1.120204821
NVNT	5.2G-1.4M-QPSK	5154	Ant1	1.12224233
NVNT	5.2G-1.4M-QPSK	5154	Ant2	1.123755994
NVNT	5.2G-1.4M-QPSK	5201	Ant1	1.119504907
NVNT	5.2G-1.4M-QPSK	5201	Ant2	1.119242962
NVNT	5.2G-1.4M-QPSK	5246	Ant1	1.12139634
NVNT	5.2G-1.4M-QPSK	5246	Ant2	1.120430698
NVNT	5.2G-10M-16QAM	5157	Ant1	8.927426518
NVNT	5.2G-10M-16QAM	5157	Ant2	8.929901459
NVNT	5.2G-10M-16QAM	5201	Ant1	8.947039017
NVNT	5.2G-10M-16QAM	5201	Ant2	8.933022685
NVNT	5.2G-10M-16QAM	5243	Ant1	8.938105067
NVNT	5.2G-10M-16QAM	5243	Ant2	8.931840579
NVNT	5.2G-10M-QPSK	5157	Ant1	8.933795196
NVNT	5.2G-10M-QPSK	5157	Ant2	8.931593275
NVNT	5.2G-10M-QPSK	5201	Ant1	8.948255682
NVNT	5.2G-10M-QPSK	5201	Ant2	8.940009537
NVNT	5.2G-10M-QPSK	5243	Ant1	8.922515418
NVNT	5.2G-10M-QPSK	5243	Ant2	8.935280882
NVNT	5.2G-20M-16QAM	5167	Ant1	17.85855806
NVNT	5.2G-20M-16QAM	5167	Ant2	17.82300702
NVNT	5.2G-20M-16QAM	5201	Ant1	17.87272703
NVNT	5.2G-20M-16QAM	5201	Ant2	17.86358573
NVNT	5.2G-20M-16QAM	5233	Ant1	17.90463841
NVNT	5.2G-20M-16QAM	5233	Ant2	17.85466014
NVNT	5.2G-20M-QPSK	5167	Ant1	17.90689877
NVNT	5.2G-20M-QPSK	5167	Ant2	17.86654216
NVNT	5.2G-20M-QPSK	5201	Ant1	17.84169768
NVNT	5.2G-20M-QPSK	5201	Ant2	17.90360507
NVNT	5.2G-20M-QPSK	5233	Ant1	17.84779581
NVNT	5.2G-20M-QPSK	5233	Ant2	17.88242959

