

Progress

Mechanical Support: Drawings from designer

Vacuum Parts: May be ready on Wednesday?

Modification to Stages: Parts needed

Rack Layout: Submitted plan

Patch panel installed this week?

Amplifier for diodes: Building our own, need parts

Need to investigate gain, rise time

DC Electronics

- IF/RF/Full Channel
- Power sweeps at different attenuations, LO powers, frequencies
- Pulsed Time Domain measurements
- Assembled three channels
- Cross couplings
- No IP3 or noise figure yet

Down-converter measurement overview:

Channel	X	Y	REF
Output P1dB	13.0	12.6	13.0
3 dB Bandwidth/MHz	201	201	200
3 dB frequency range/GHz	14.97-15.18	14.97-15.18	14.97-15.18

Gain and cross-coupling:

Input Port \ Output Port	X	Y	REF
X	+5.0	-82.2	-96.8
Y	-87.4	+5.6	-81.0
REF	-90.4	-87.0	+5.3