

General Update

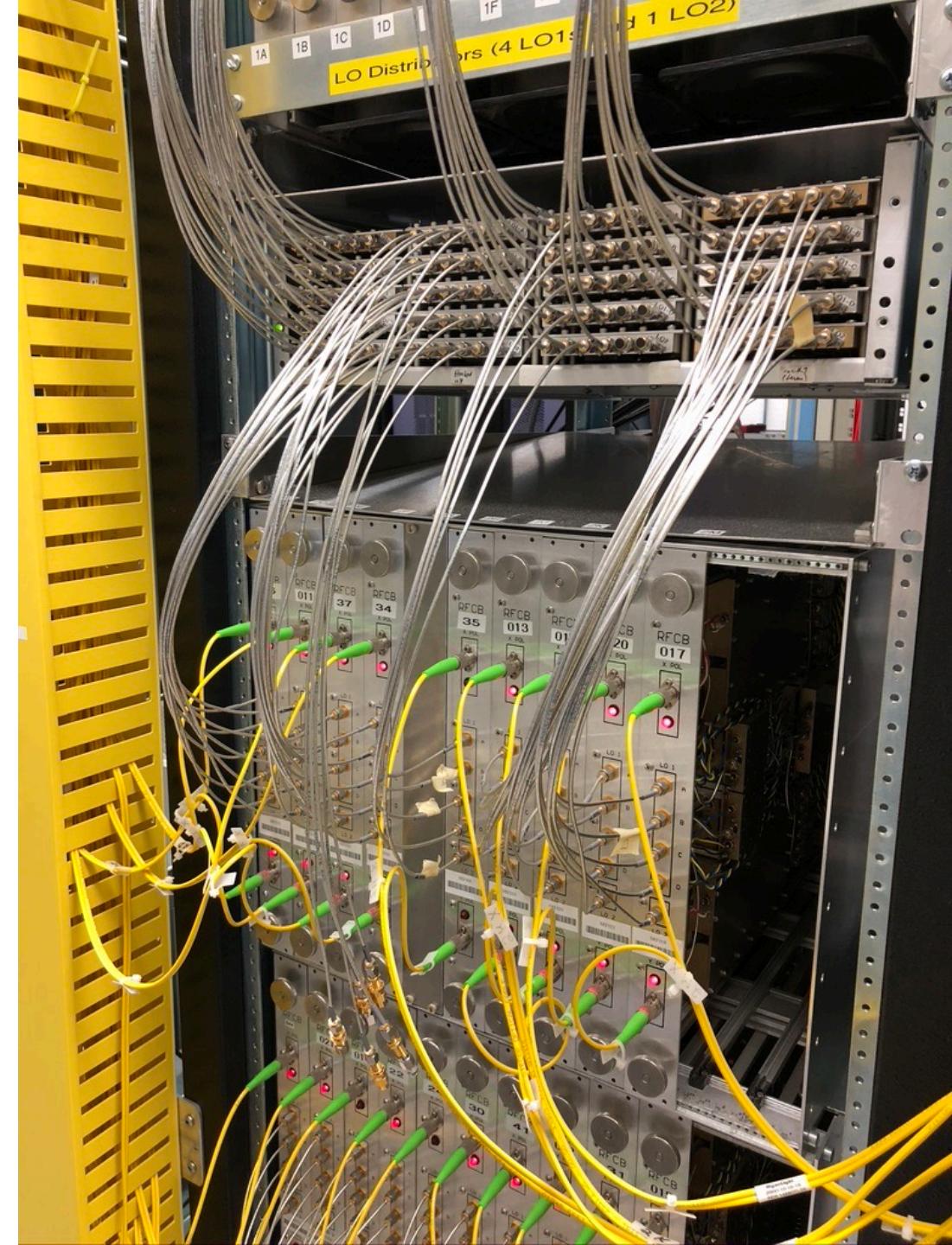
- Attemplifier Module build started
- SPR
 - Cable management analog rack ARRIVED
 - LO distribution
 - AC replacement
- Design work:
 - LO distribution
 - Weather station data connection and power supply
 - Enclosure Control unit for PAX testing (LNA testing)
 - LNA test rig
- Antonio Feed
 - LNAs build and tested, waiting evaluation.
 - Feed-base 017 finished (tuned)
 - Trip to Minex TOMORROW
 - Take feed-base 002 to Minex
 - Take SS coaxial cables to Minex
 - Need to investigate feed 016 LNAs
 - Update feed firmware with longer vacuum times
 - Install new pyramids in feeds:
 - Test vacuum (24h)
 - Install on antenna and cool down(24h)
 - Tsys measurement with absorber

Minex Engineering Schedule for SETI Work:

Quote	Purchase	Qty	Description	February 22 23 24 25 26	March 1 2 3 4 5	March 8 9 10 11 12	March 15 16 17 18 19
PO 3600		40 ea	Fabricate new coax cables.				
		3 ea	Install new coax on existing LNAs.				
		3 ea	Fabricate new LNA Modules.				
		3 ea	Feed complete with Modules & tip links.				
			Feed SN 008, 011, 014				
210201A	PO 3626		Recive new LNAs and modify coax.				
		6 ea	Prep pyramid & arms for plating.				
		6 ea	Pyramids & arms to plater.				
			Feed SN 001, 003, 010, 016, 017, ???				
210202A	PO 3627	6 ea	Fabricate new LNA Modules.				
		6 ea	Feed complete with Modules & tip links.				
			Feed SN 001, 003, 010, 016, 017, ???				
210203A	PO 3628	6 ea	Pyramid, solder and complete.				
		6 ea	Arm sets, solder and complete.				

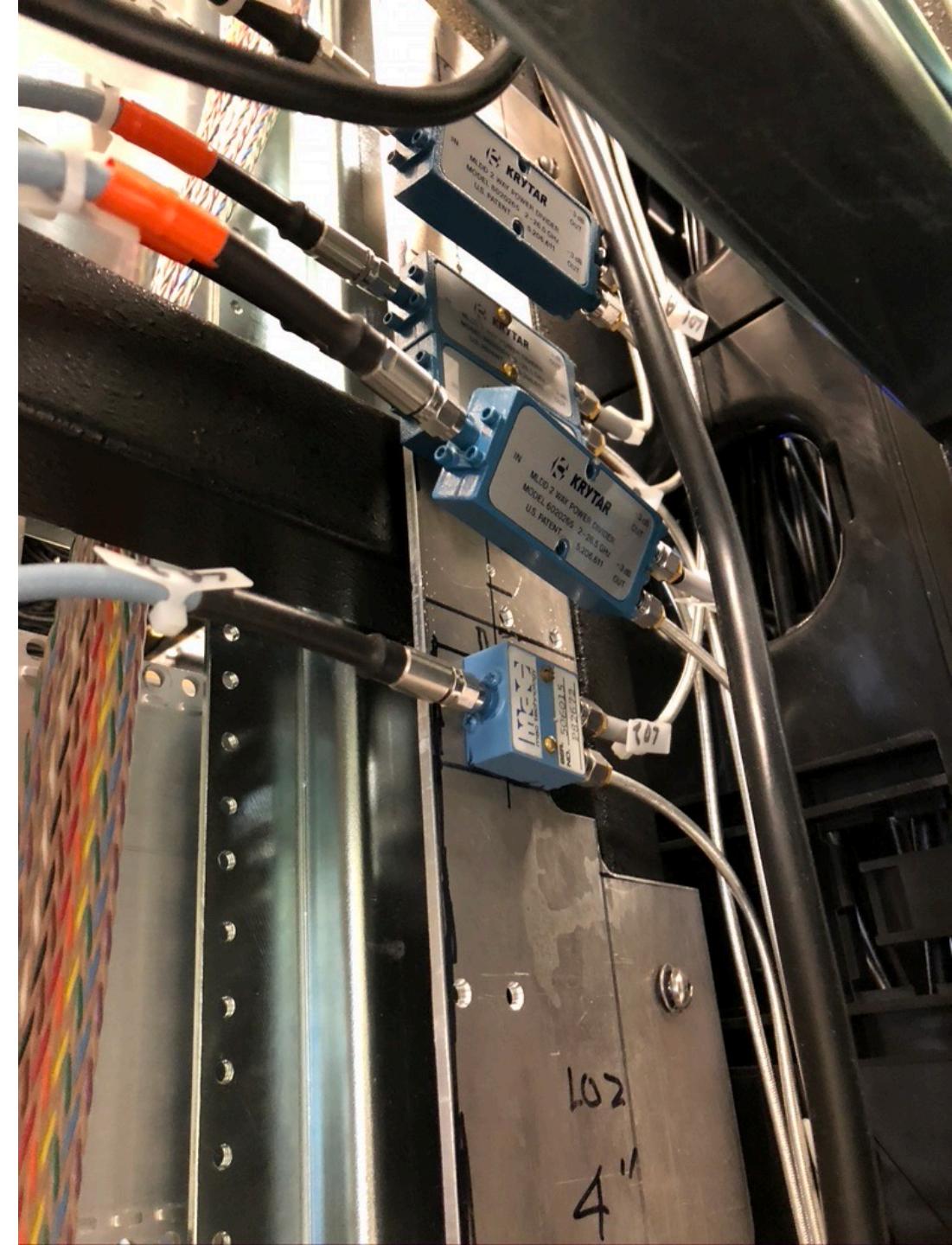
Engineering Down Time:

- Replace LO cables
- Replace fan power cable
- Install PDU RFCB rack
- Replace PDU central network rack



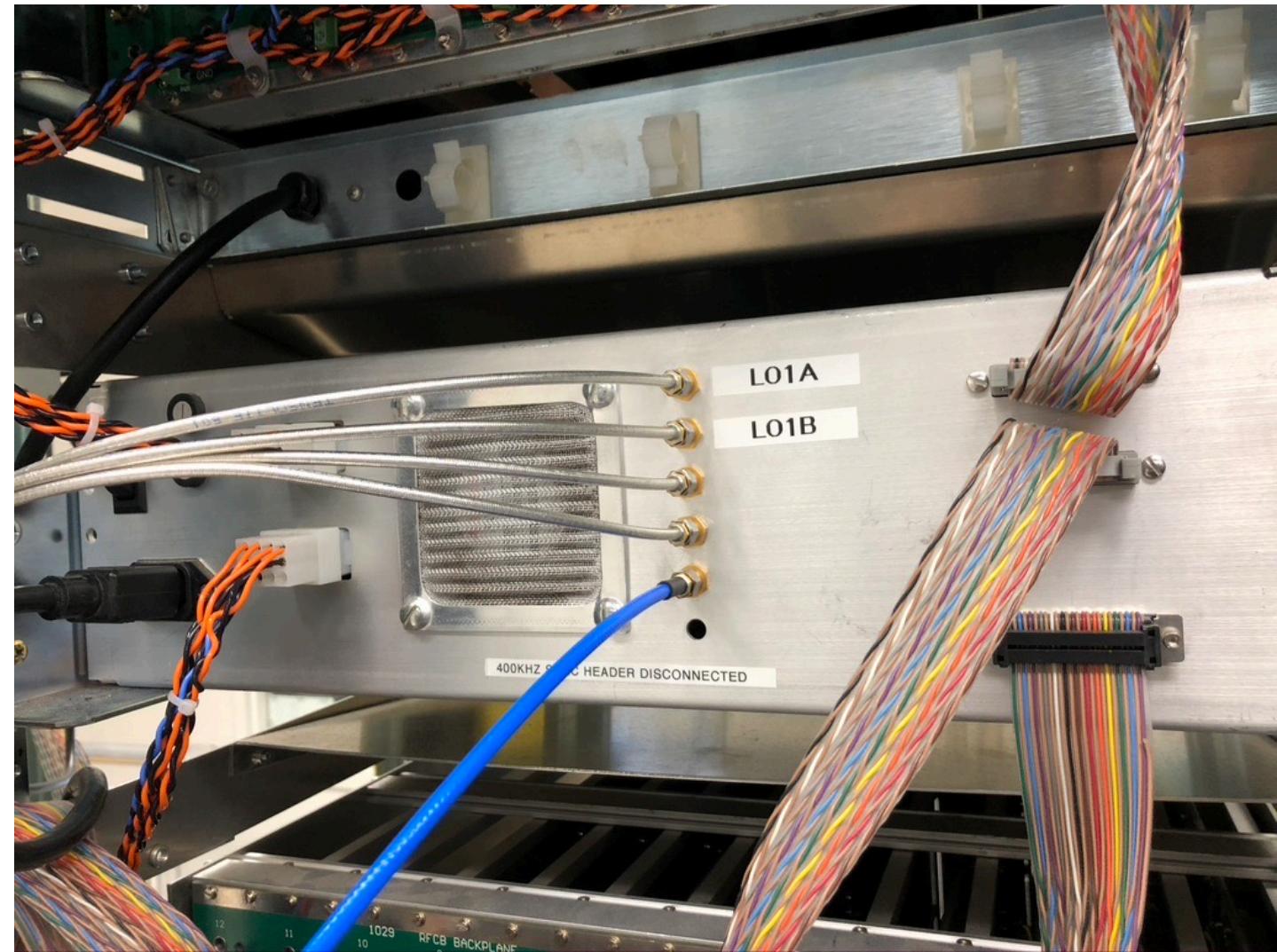
LO distribution

- Replaced cables
- Removed multiple SMA adapter
- Discovered damaged cable
- Added correct 50 Ohm terminators



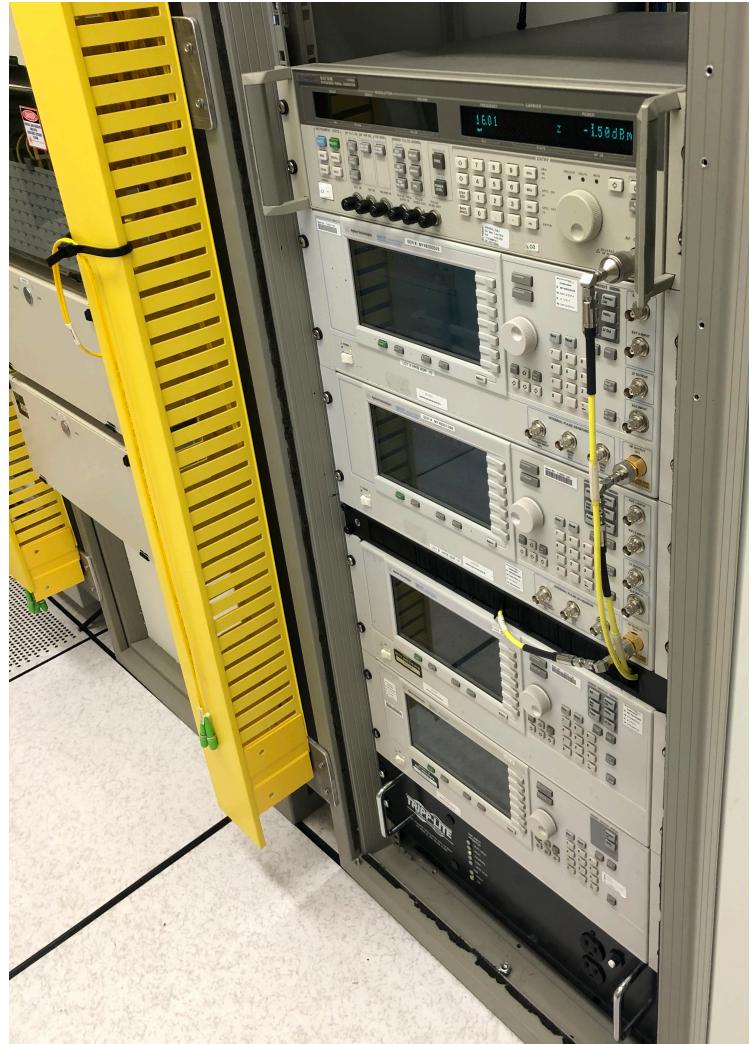
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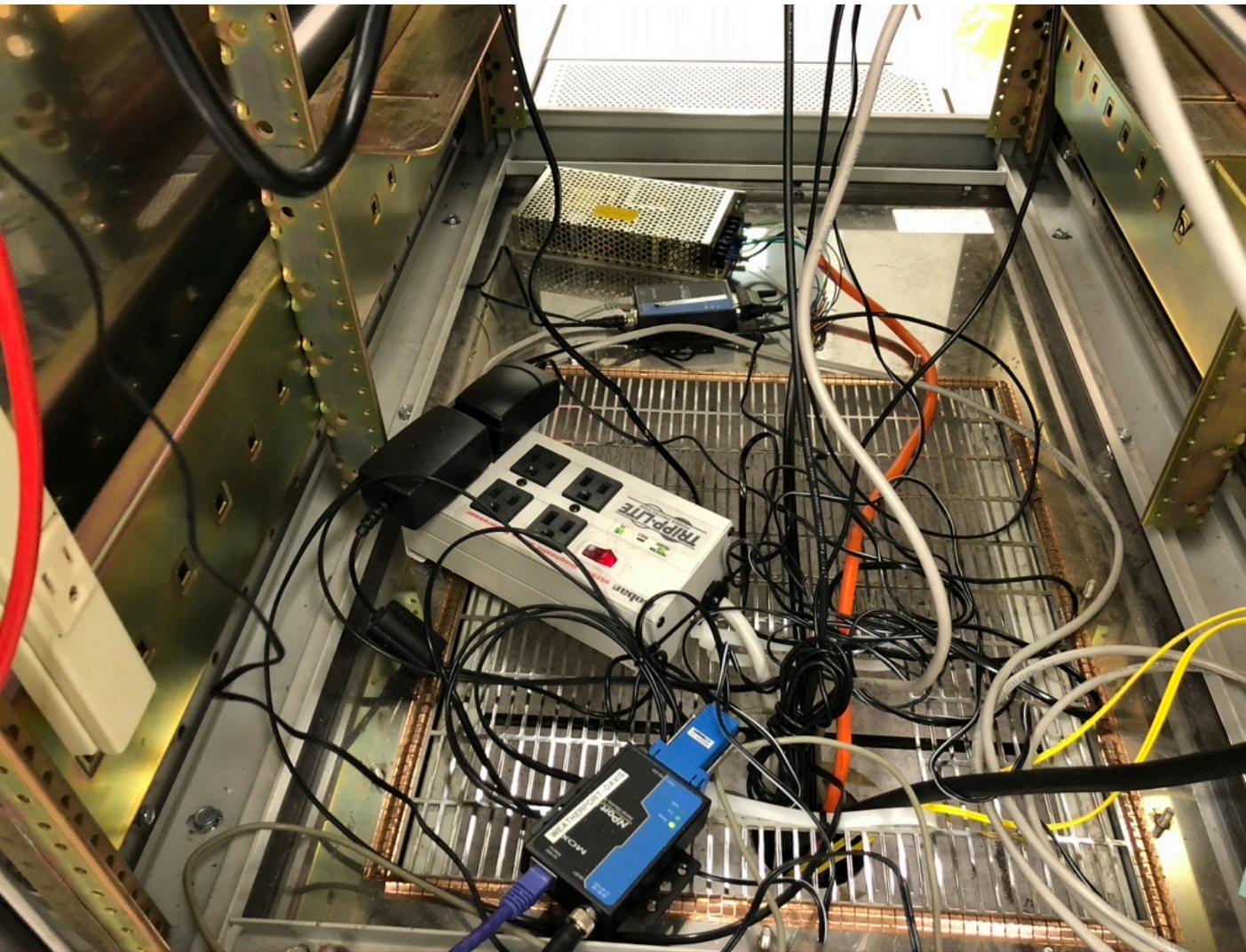
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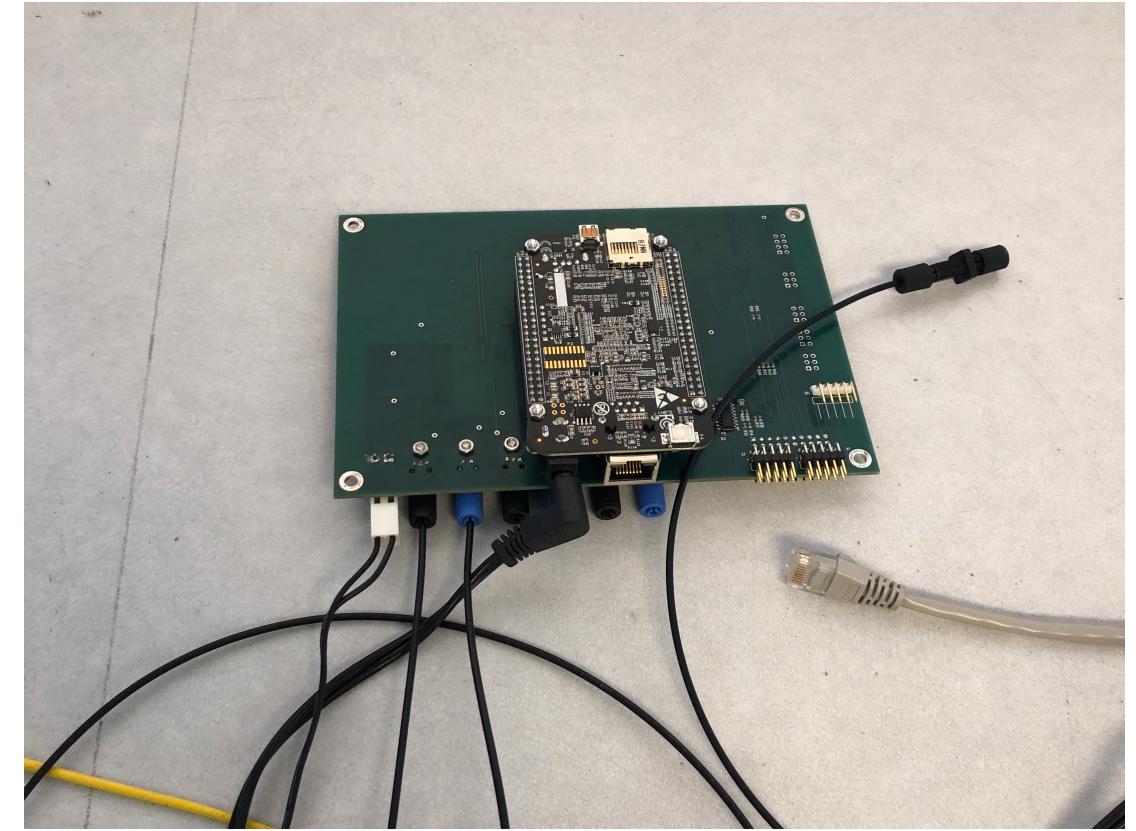
Design work

- Weather station data connection and power supply



Design work

- Enclosure Control unit for PAX testing
(LNA testing)



SPR

- Cable management



Power Measurement

- 3C: -2.7dBm
- 3L: -7.6dBm
- 2B: -15.4dBm [-5.4dBm]

Component	Gain dB	Power at this stage (dBm)	Measured Power (dBm)	(P1dB)	Dynamic Range (dB)
Bandwidth red. 12/15 GHz	-1.000	-47.97		-	-
NDA-412	12.000	-35.93		14.00	49.93
Filter	-3.000	-38.93		-	-
HMC424	-4.000	-42.93		22.00	64.93
NDA-412	12.000	-30.92		14.00	44.92
Slope Compensator	-2.000	-32.92		-	-
NDA-412	12.000	-20.92		14.00	34.92
Slope Compensator	-2.000	-22.92		-	-
NDA-412	12.000	-10.92		14.00	24.92
HMC424	-20.000	-30.92		22.00	52.92
NDA-412	12.000	-18.92		14.00	32.92
Slope Compensator	-2.000	-20.92		-	-
NDA-412	12.000	-8.92		14.00	22.92
PAM output cable to OTX	0.000	-8.92		-	-
NX8560LJ-CC189	0.000	-8.92	-10.10	11.60	20.52
Fiber cable	-35.000	-43.86		-	-
DSC-40S	0.000	-43.86		-	-
NDA-412	12.000	-31.85		14.00	45.85
NDA-412	12.000	-19.85		14.00	33.85
NDA-412	12.000	-7.85		14.00	21.85
4-way Wilkinson Divider	-6.000	-13.85		-	-
NDA-412	12.000	-1.85		14.00	15.85
Stepped Impedance Filter	-1.000	-2.85	-2.70	-	-
Fixed Attenuator	-10.000	-12.85		-	-
HMC260	-7.500	-20.35		12.00	32.35
BPF 700MHz	-3.500	-23.85		-	-
Bandwidth red. 0.7/12 GHz	-12.300	-36.15		-	-
HMC516	20.500	-15.65		14.00	29.65
HMC412	-8.000	-23.65		11.50	35.15
SGA-2286	15.000	-8.65		8.30	16.95
RFCB output cable	-0.100	-8.75	0.0 -8.0 -12.2 -8.6	-	-

1GHz | 2GHz | 5GHz | 10GHz