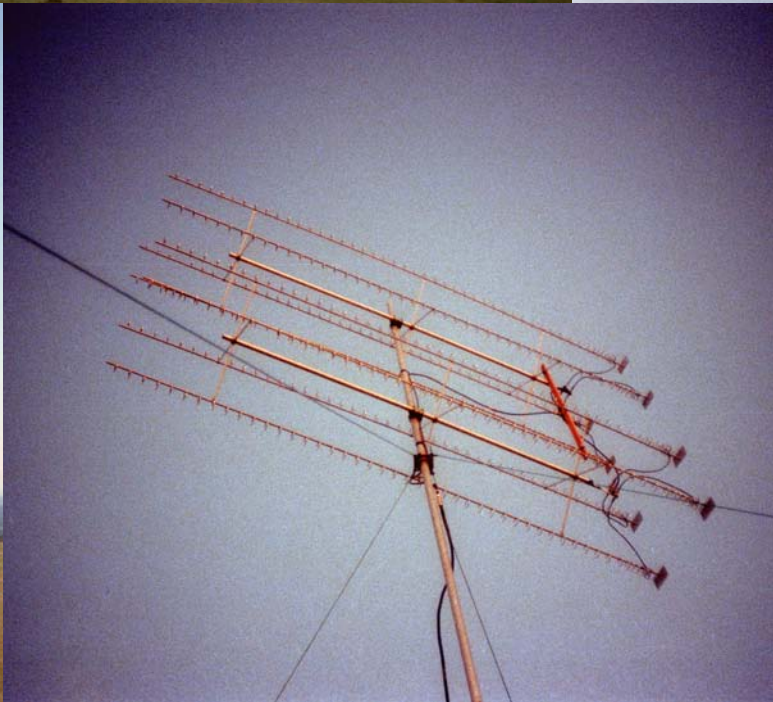


FRARS EME Voyage



Carl Rabe - G6NLC













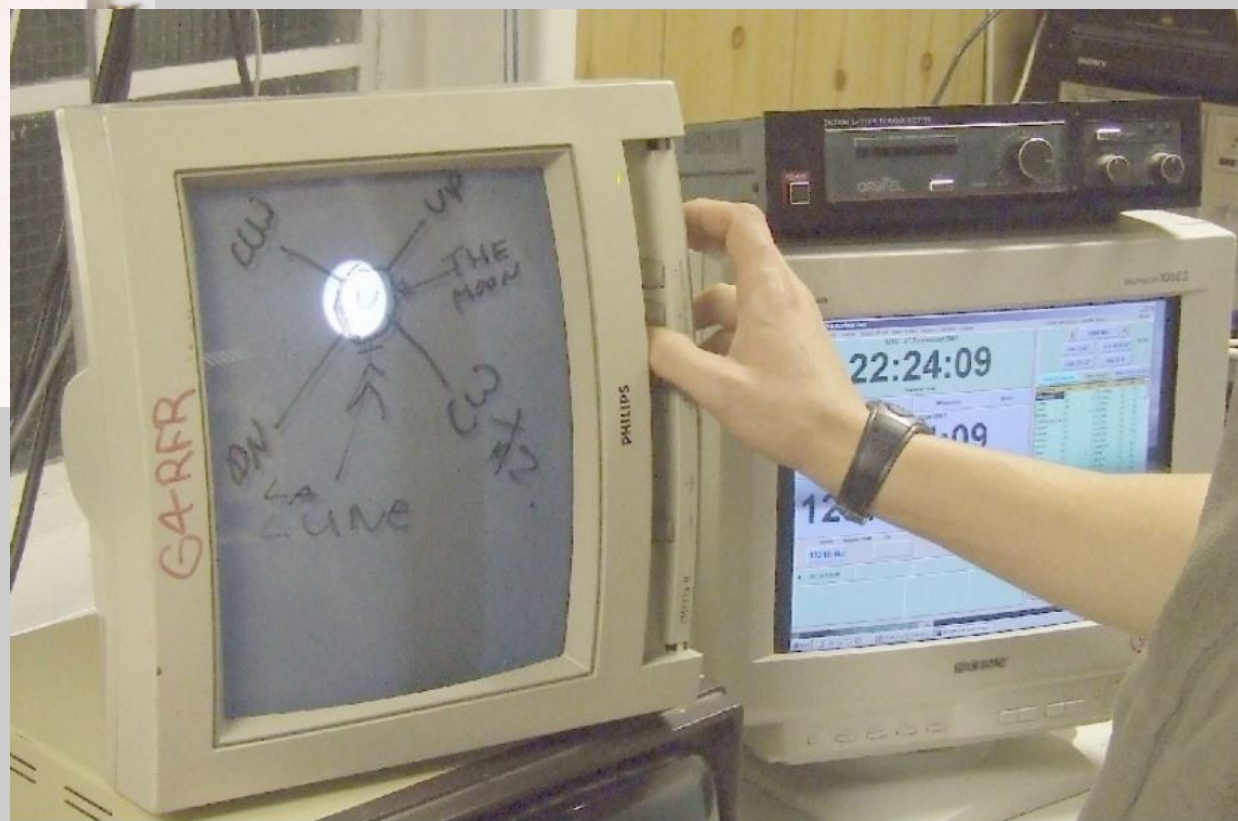
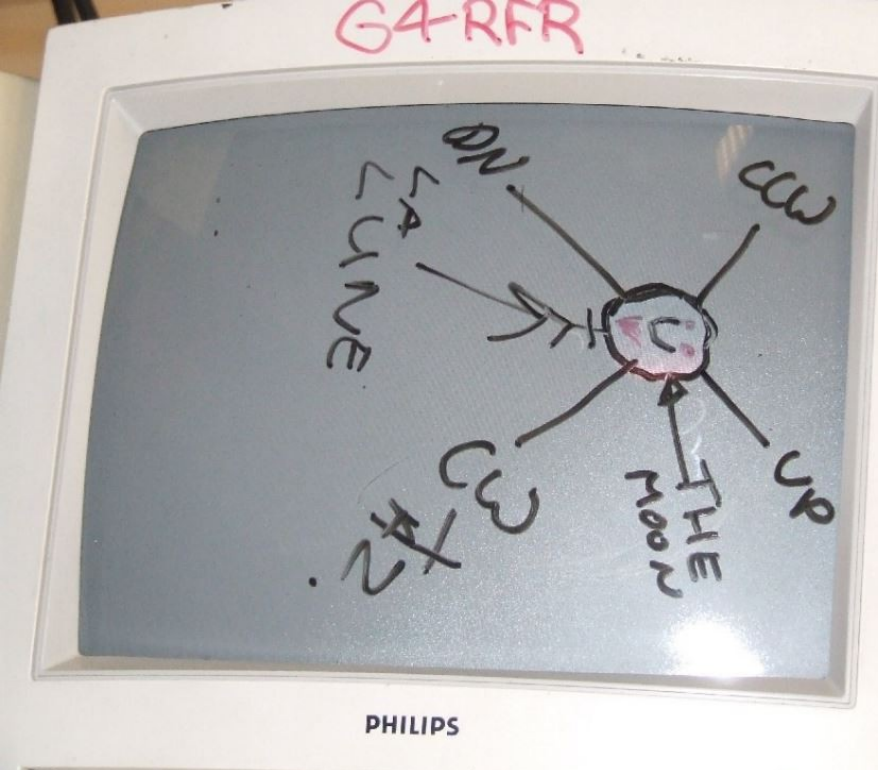




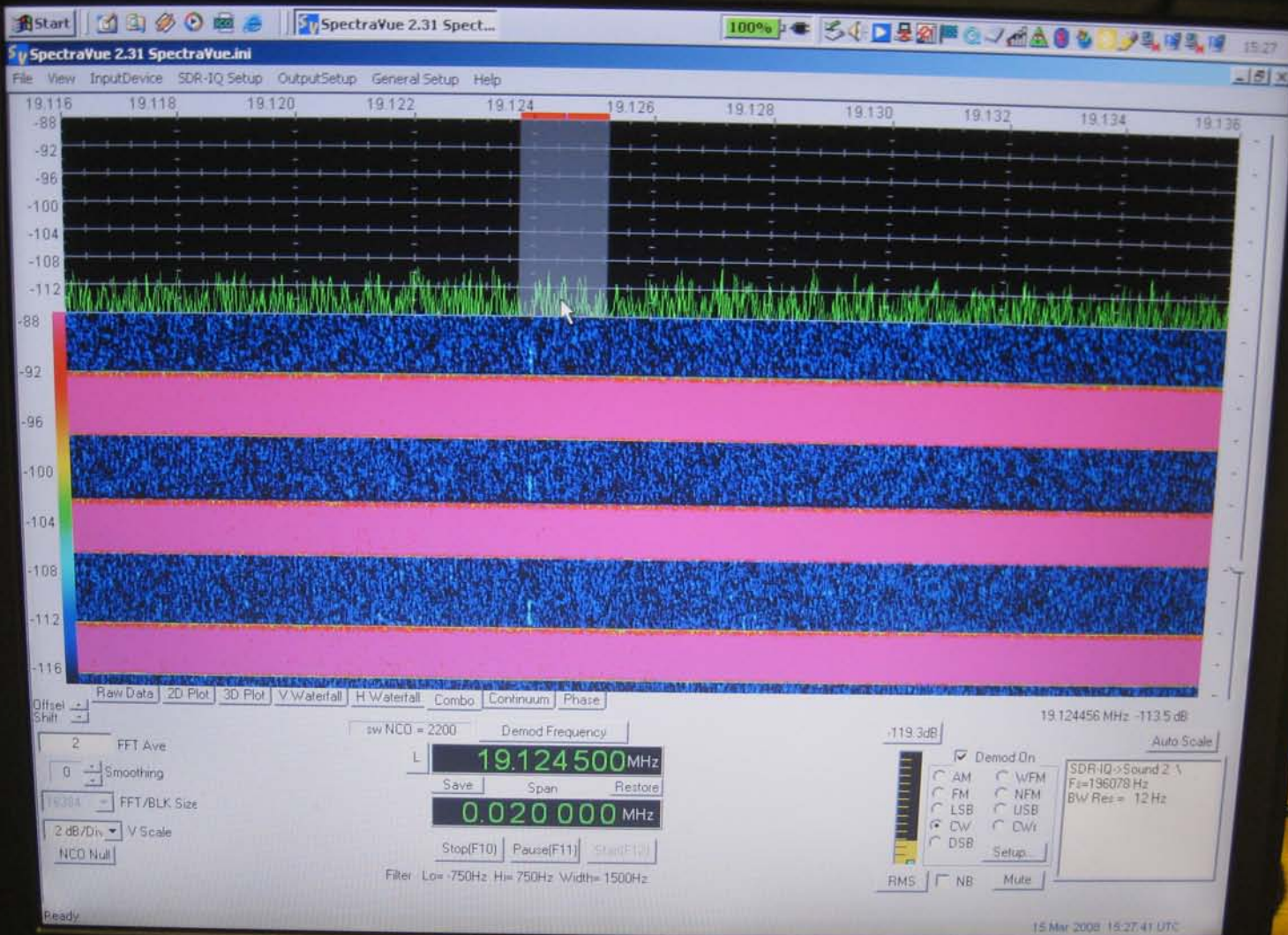












WA7CJO

PHOENIX, ARIZONA U. S. A.

VHF - UHF

James W. Vogler WA7CJO

~~3021 North 13th Avenue~~ 2540

Phoenix, Arizona 85034

RADIO G4RFR Confirming

our QSO of 8, June, 94

at 1300 GMT on 10 GHz

Your CW EME signal was

R S T 1 "O"

Xmtr: Collins 3253 + HB Transverter + 300W P_o TWT

Revr: " 515-1 + "

Ant: 4-8 M Disk + SLR 5-84

Positioner

Very Good EME signal

Thanks for 2nd contact

73.

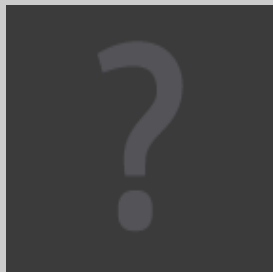
JW

E. Heatherbrie Dr.

Arizona
P. Fritz, Scottsdale

+ G3 VDG Preamp NS $\approx$ 1 dB

0



W7CJO CW

W7CJO SSB











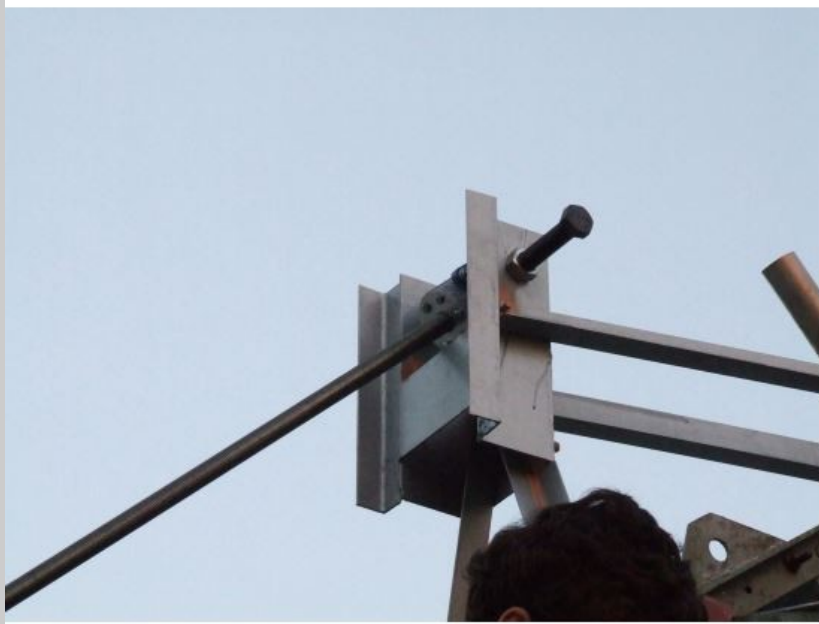
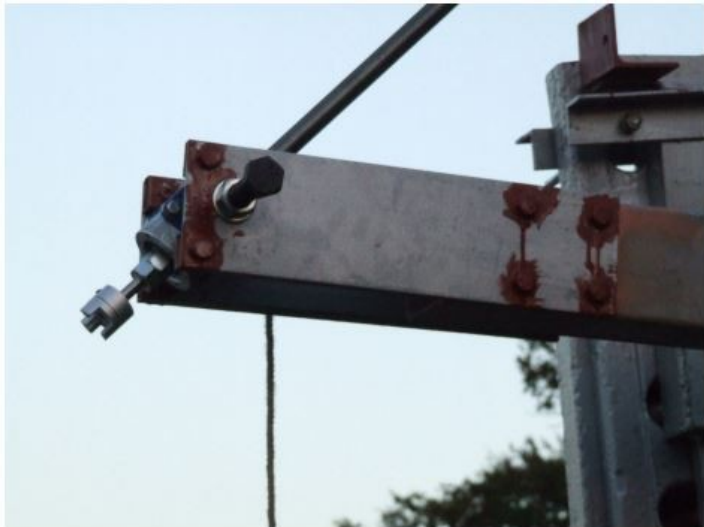










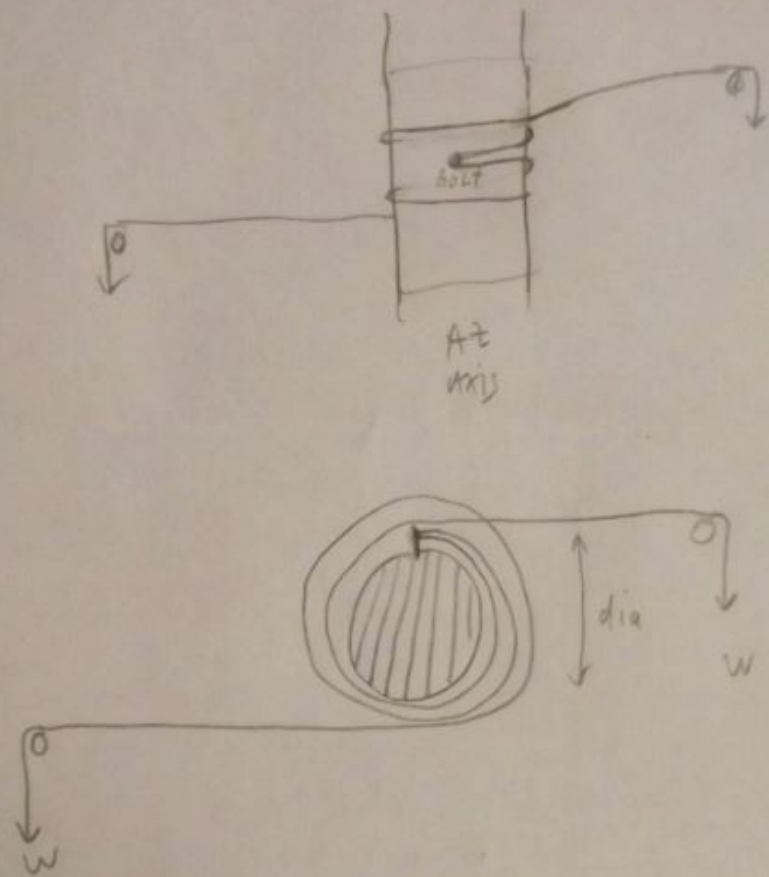










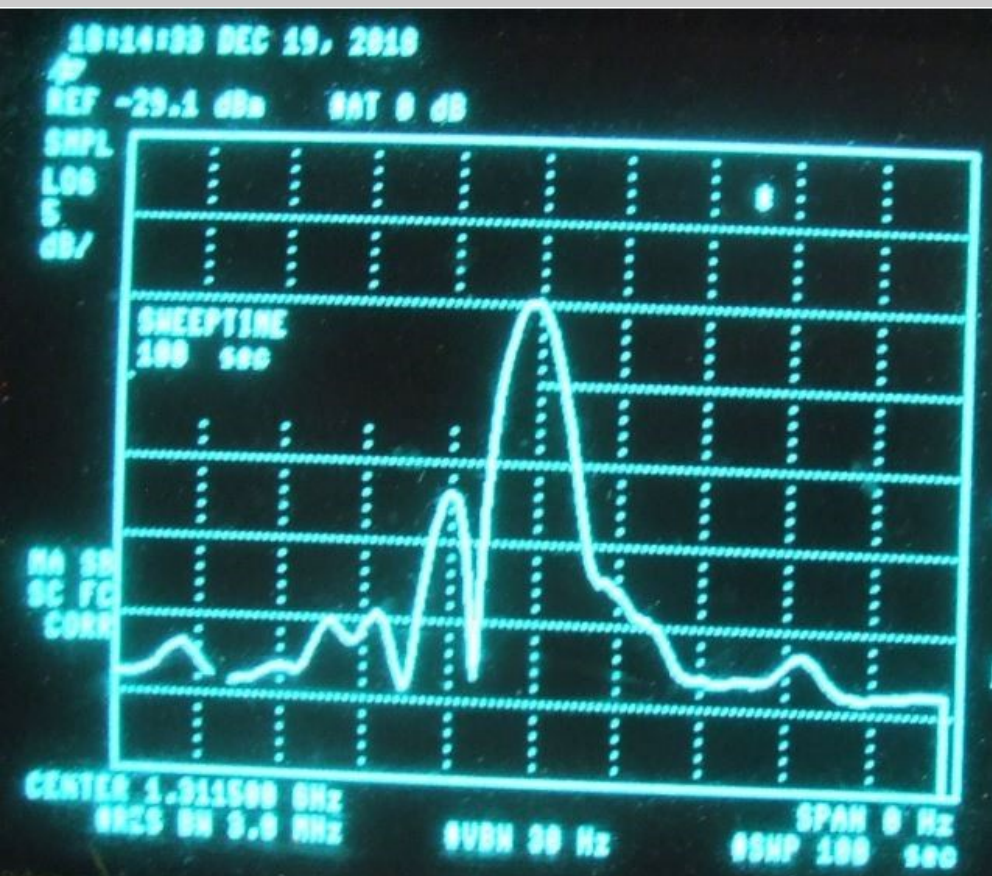


Bolt a length of Steel wire to the axis
 Then wind it round ≈ 2 turns.
 Bring ends out 180° apart over pulleys to weights.
 Torque = $2W \times dia$

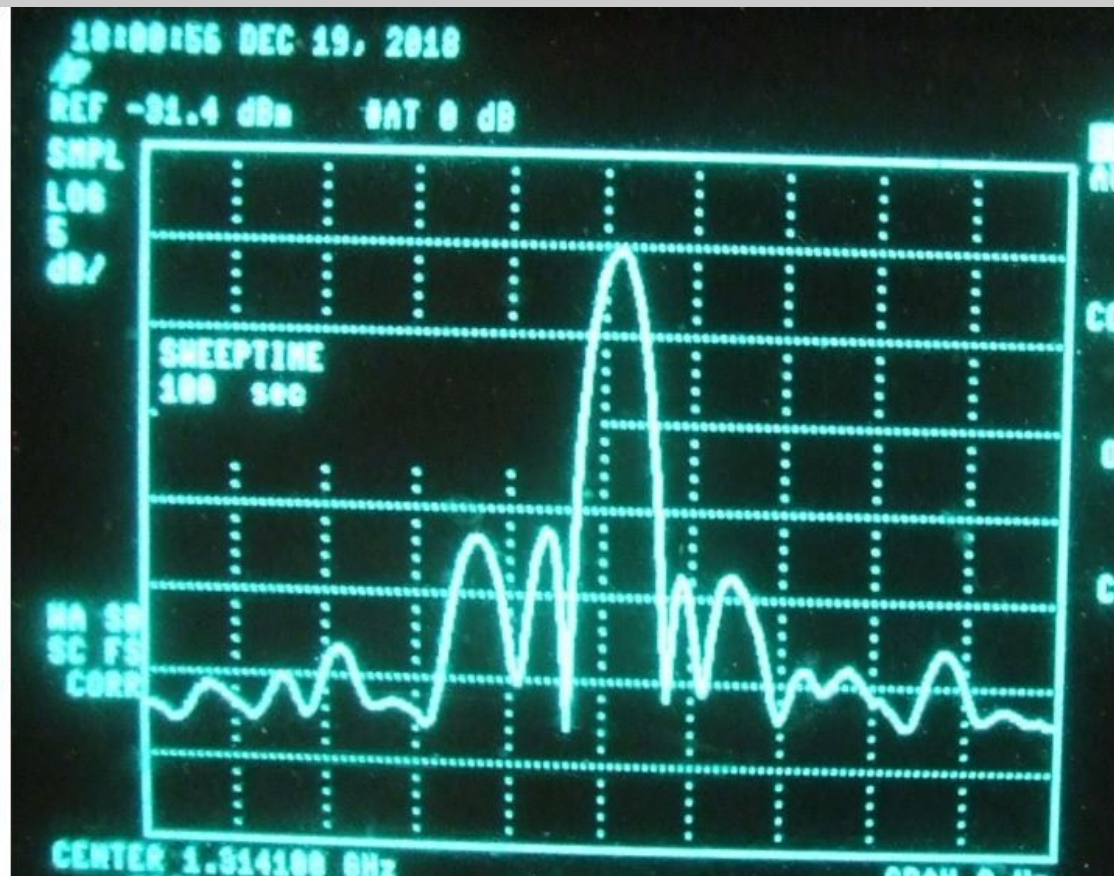






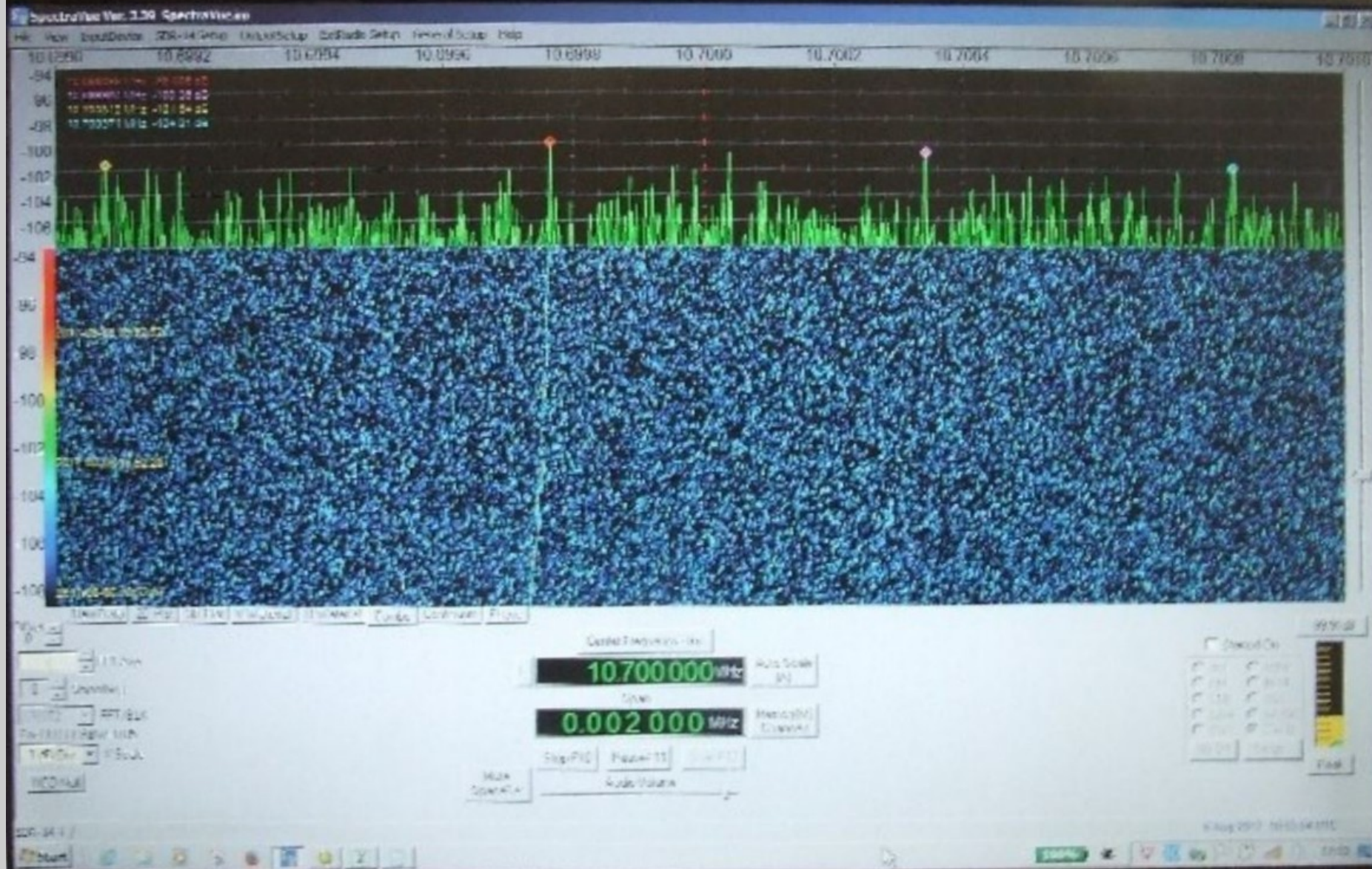


AZ Beam Pattern



EL Beam Pattern









5v Pwr ON

MediiEx

MSX2+ Medii
Version Pre-5.00
AZ: 190.66
EL: 1.20

MOTOR

AZ

EL

MEDII

M5AHQ Medii: Version Pre-4.02 Nov 23 2022

Stop	Track Sun	Track Moon	Track Ephem	Show
Park Dish	Load TWT	Display View	Mobile View	
Goto & Hold	Goto & Stop	AZ: 0.00	EL: 0.00	Coarse?: ☒ Use Arrows?: ☐
Drive Motors (Hz)		AZ: 0	EL: 0	Use Arrows?: ☐
Nudge		AZ: 0.00	EL: 0.00	Coarse?: ☒ Use Arrows?: ☐
Calibrate	Store Cal	AZ: 0.00	EL: 0.00	Coarse?: ☒ Use Arrows?: ☐
Ephemeris	Filename: Browse...	No file selected.		

Predict AZ: 231.33

Predict EL: 1.23

Demand AZ: 231.33

Demand EL: 1.75 (L)

Act. AZ: 231.32 Act. EL: 1.75

Motor AZ: 60

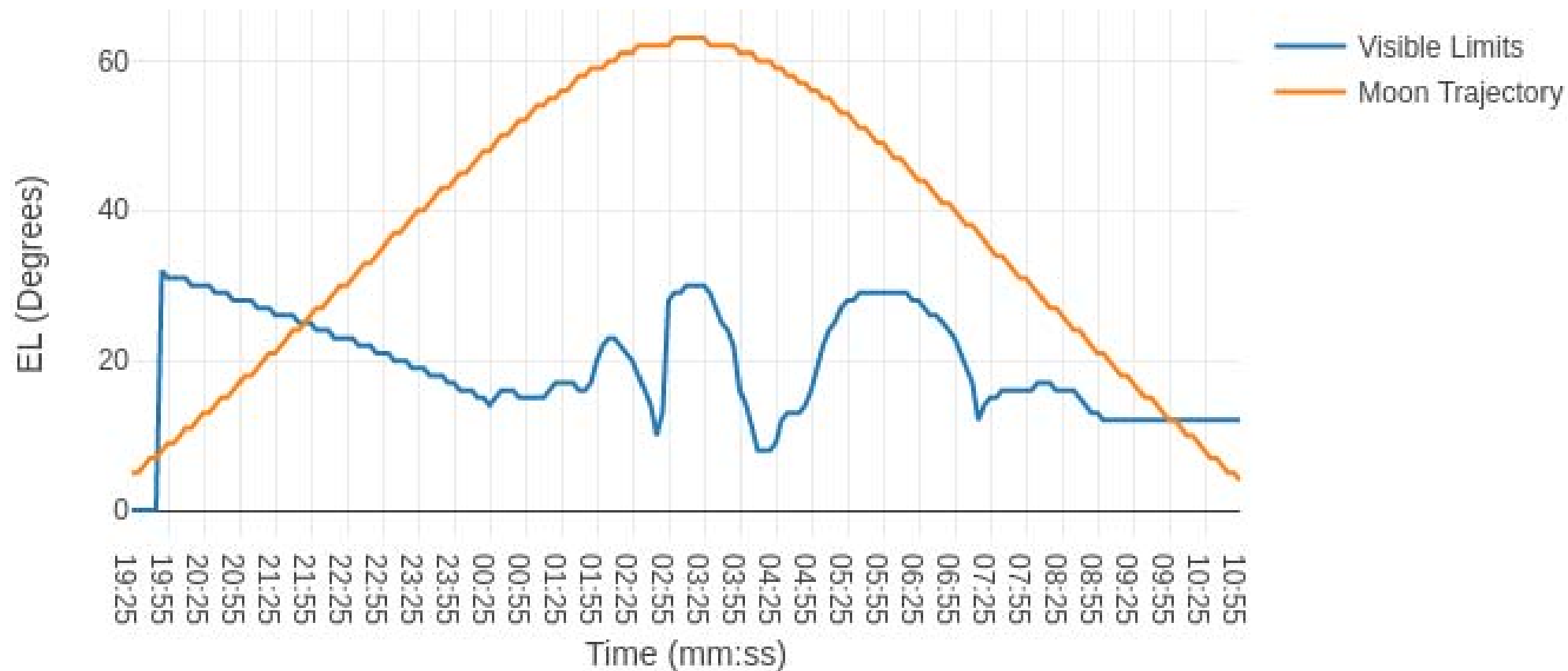
Motor EL: 0

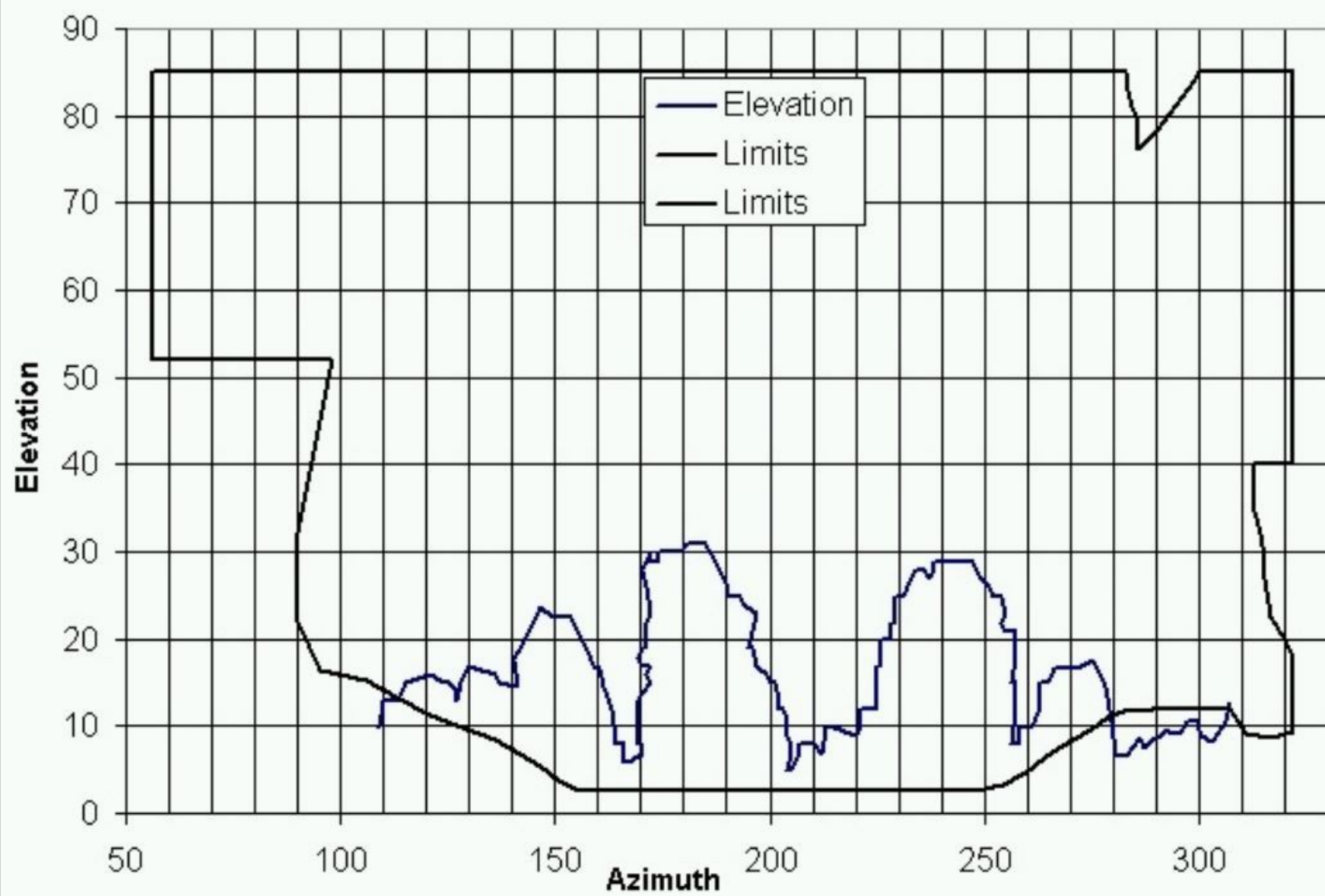
Action: **TRACK MOON**
(Tracking)

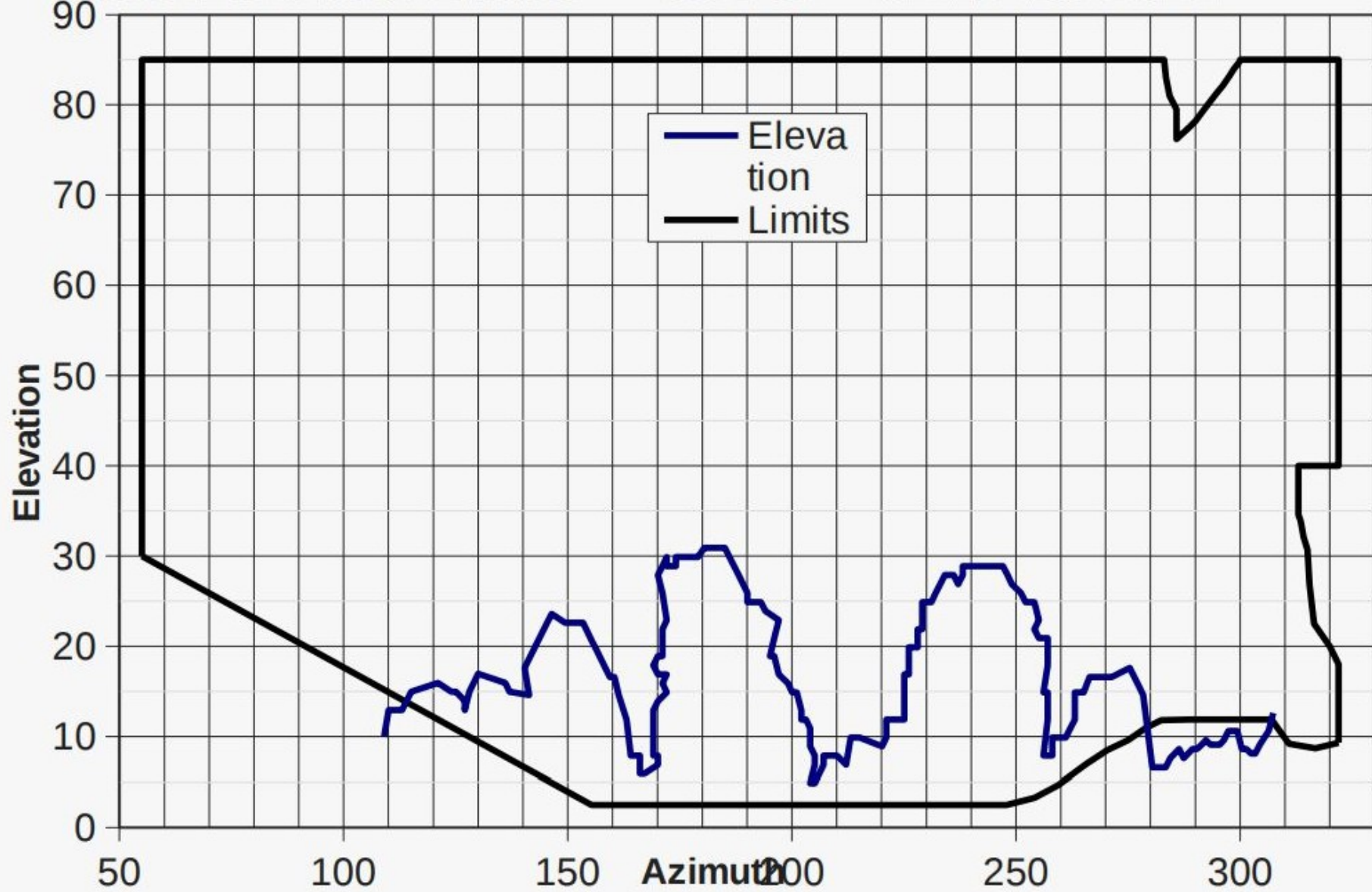
Status: **OK**

Last Status Message (See log file for more details):

Visible Limits vs Moon Trajectory - 11/12/2022



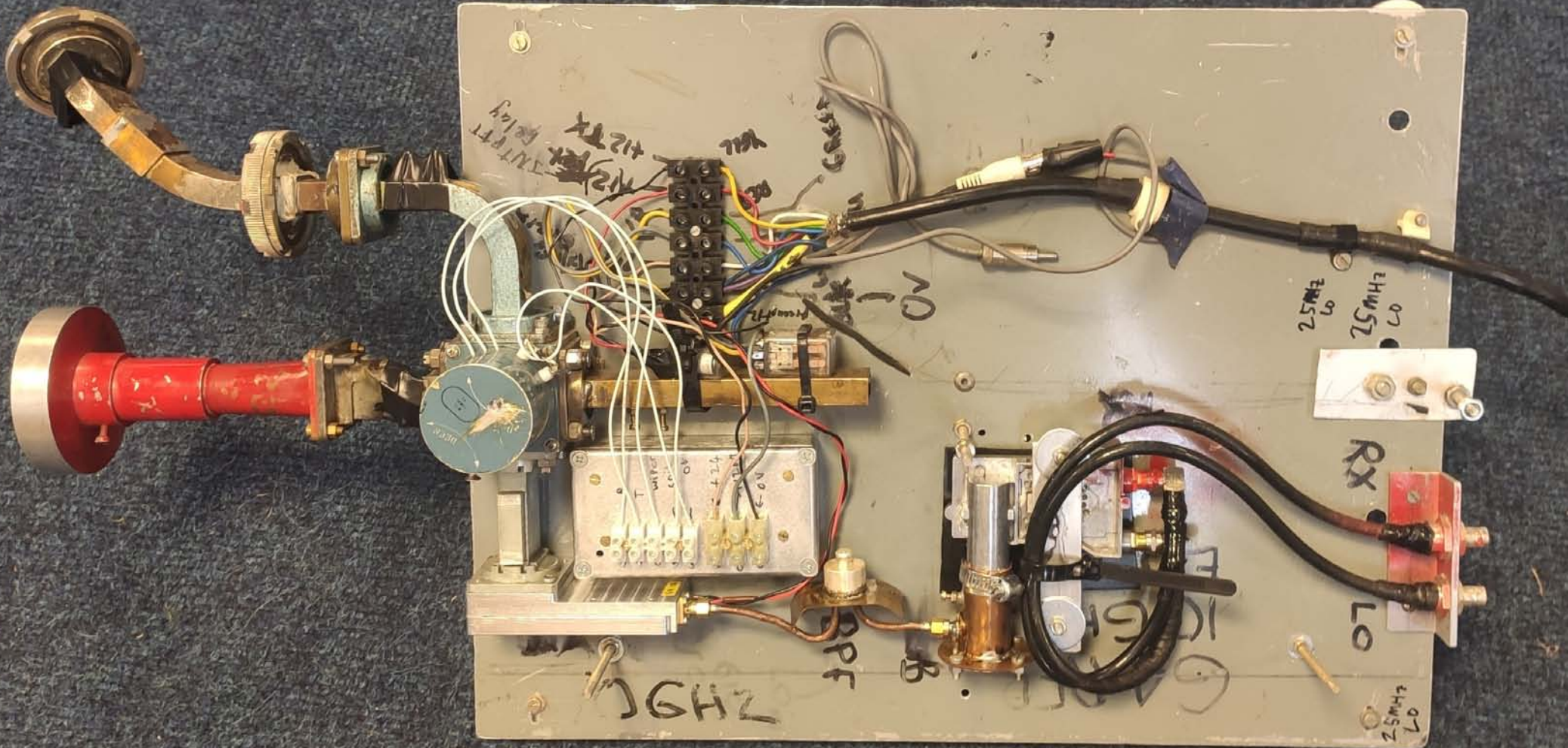


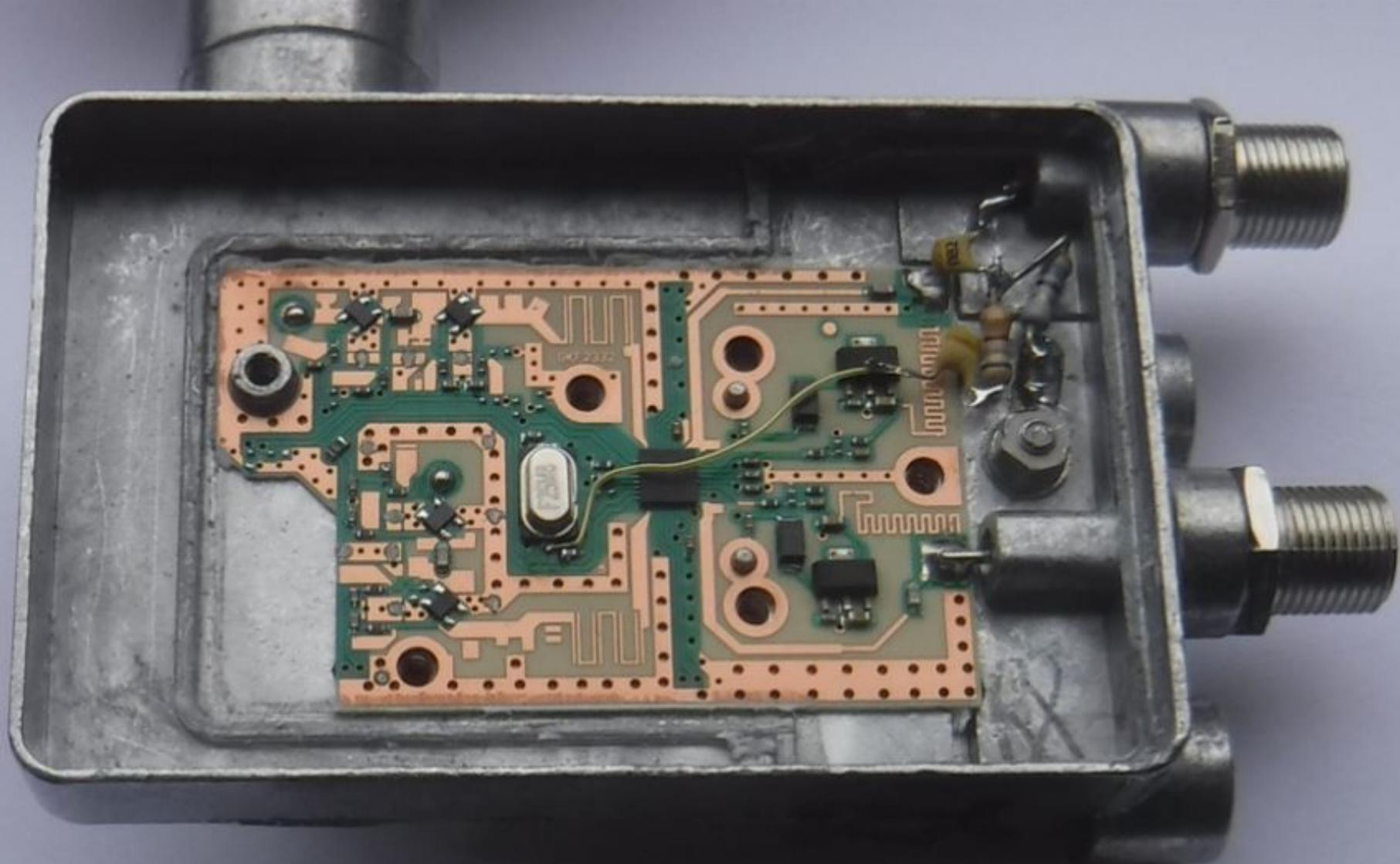


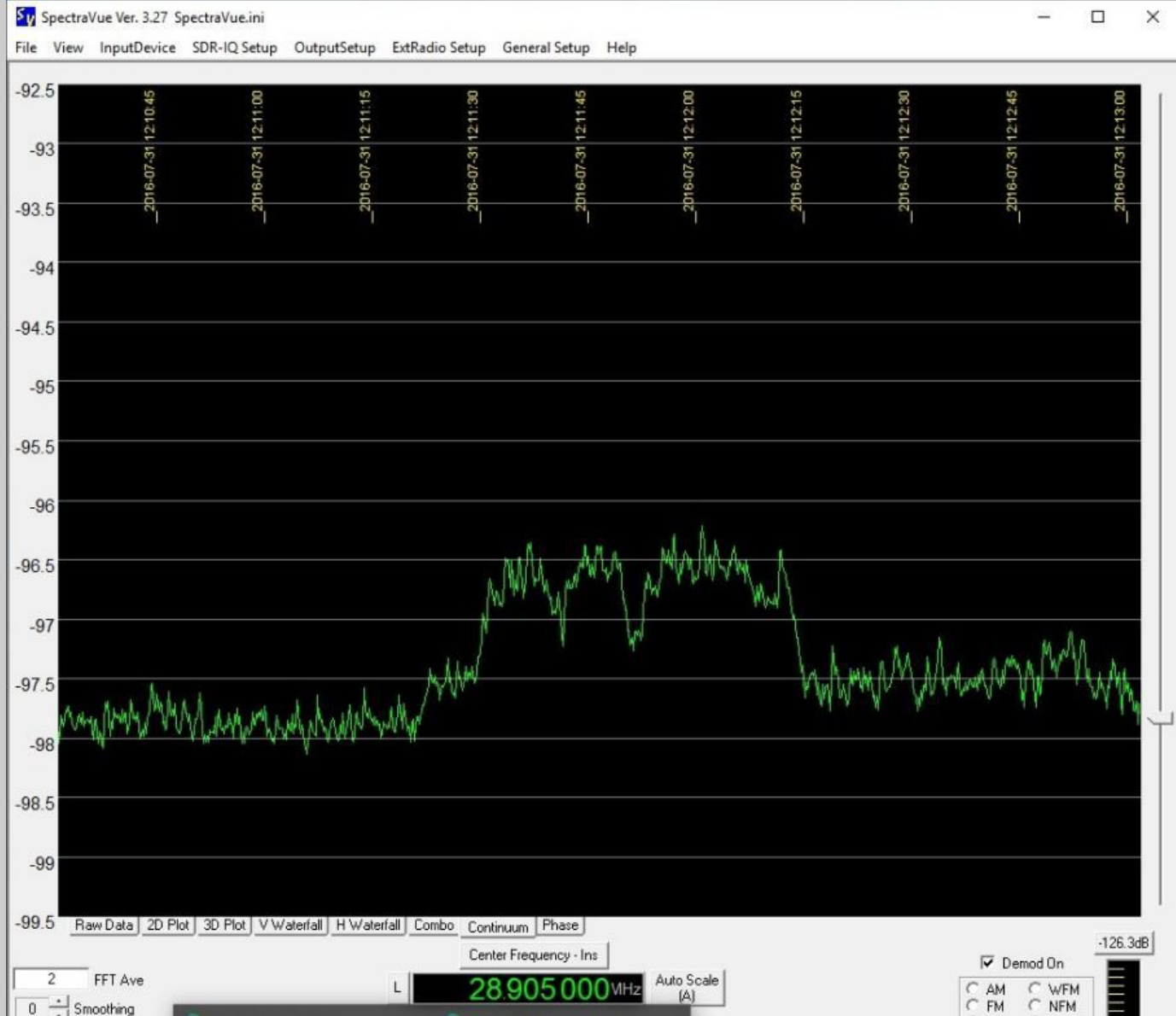


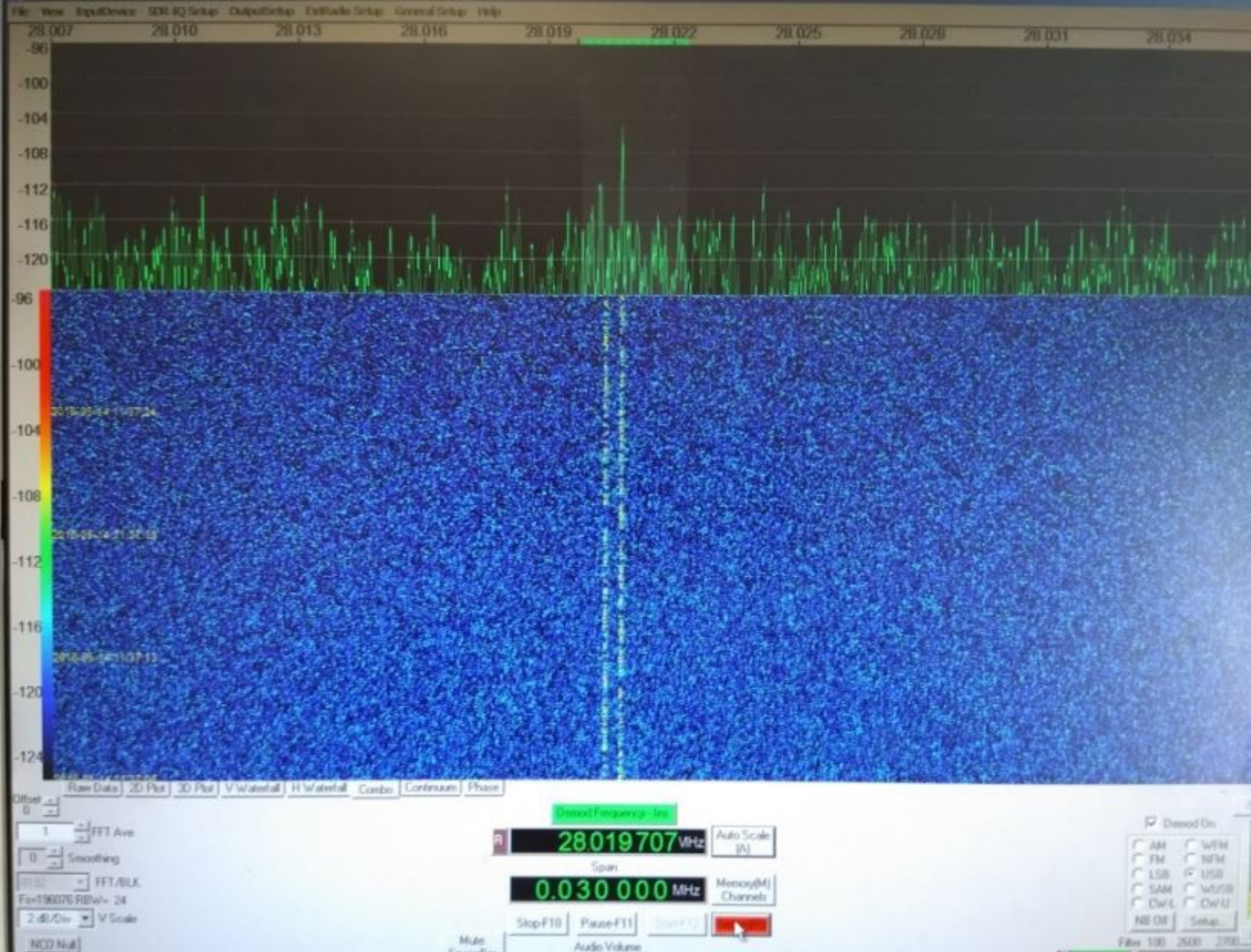


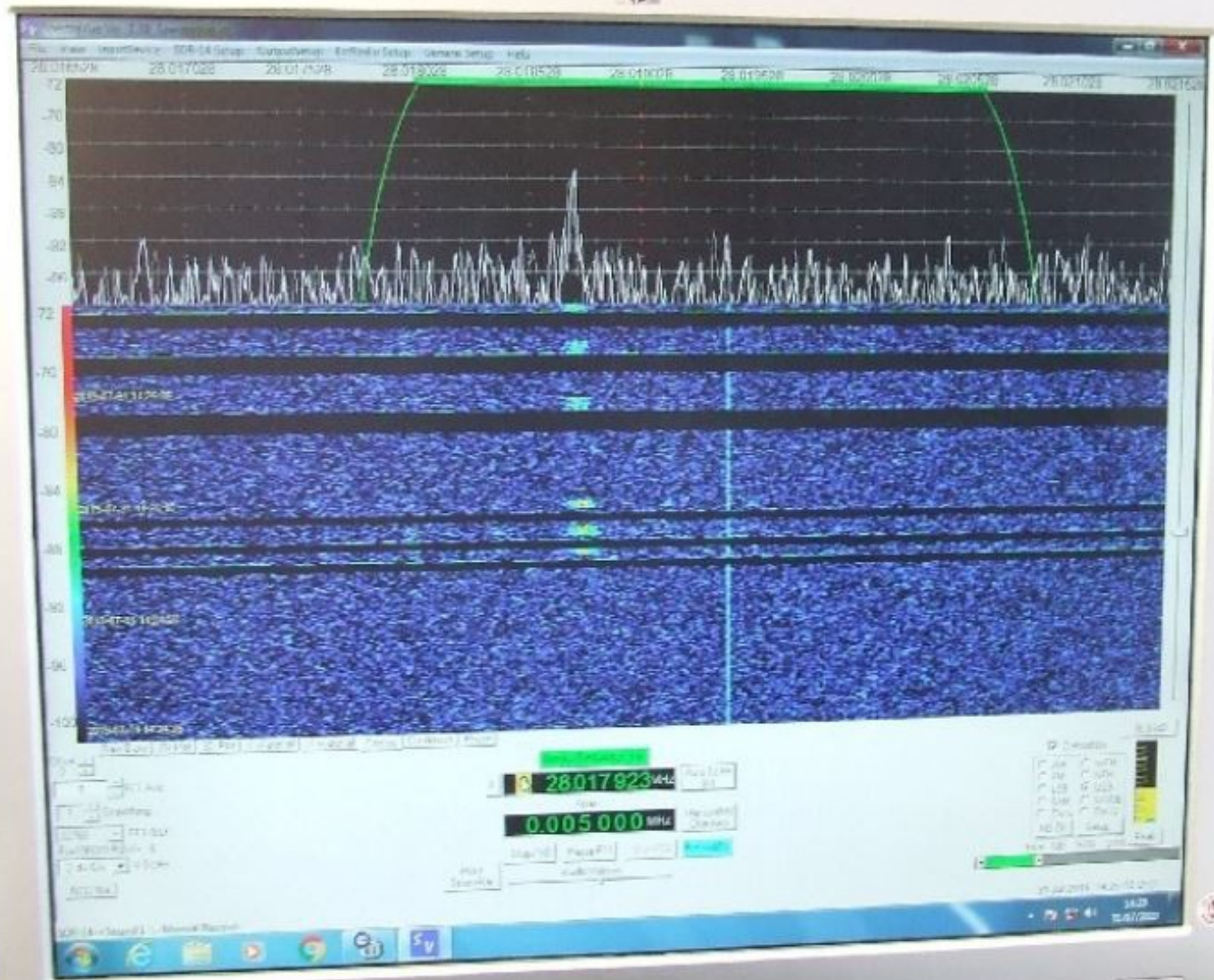




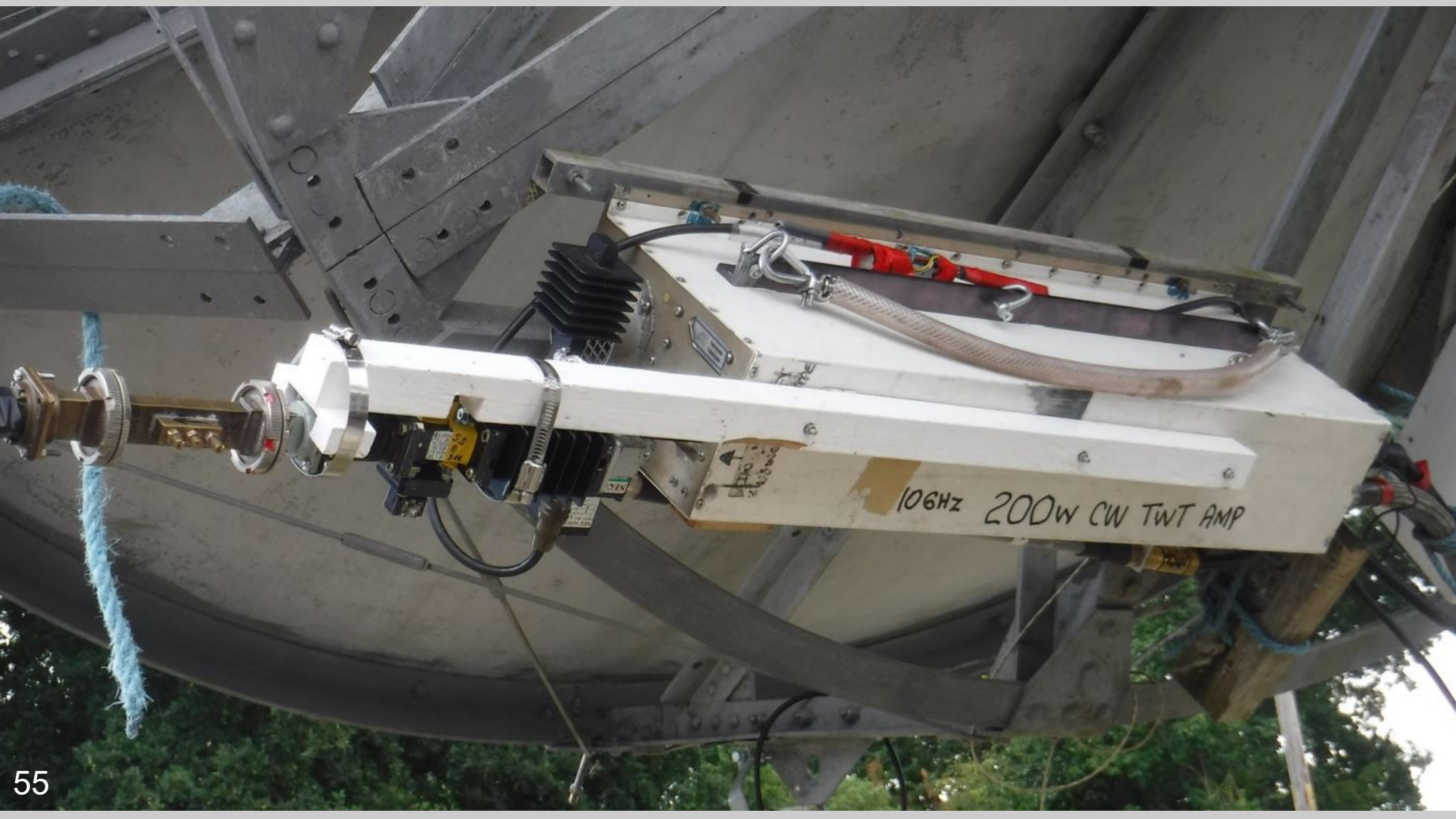


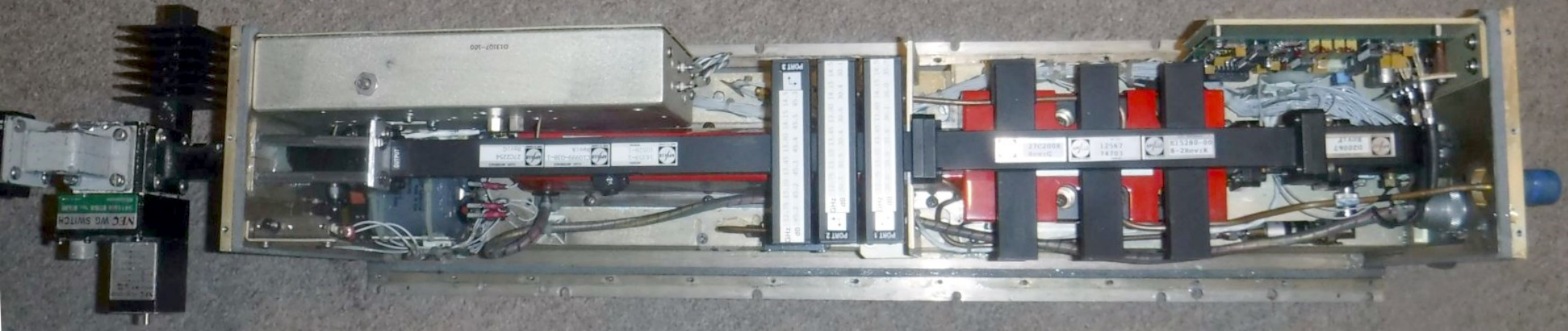








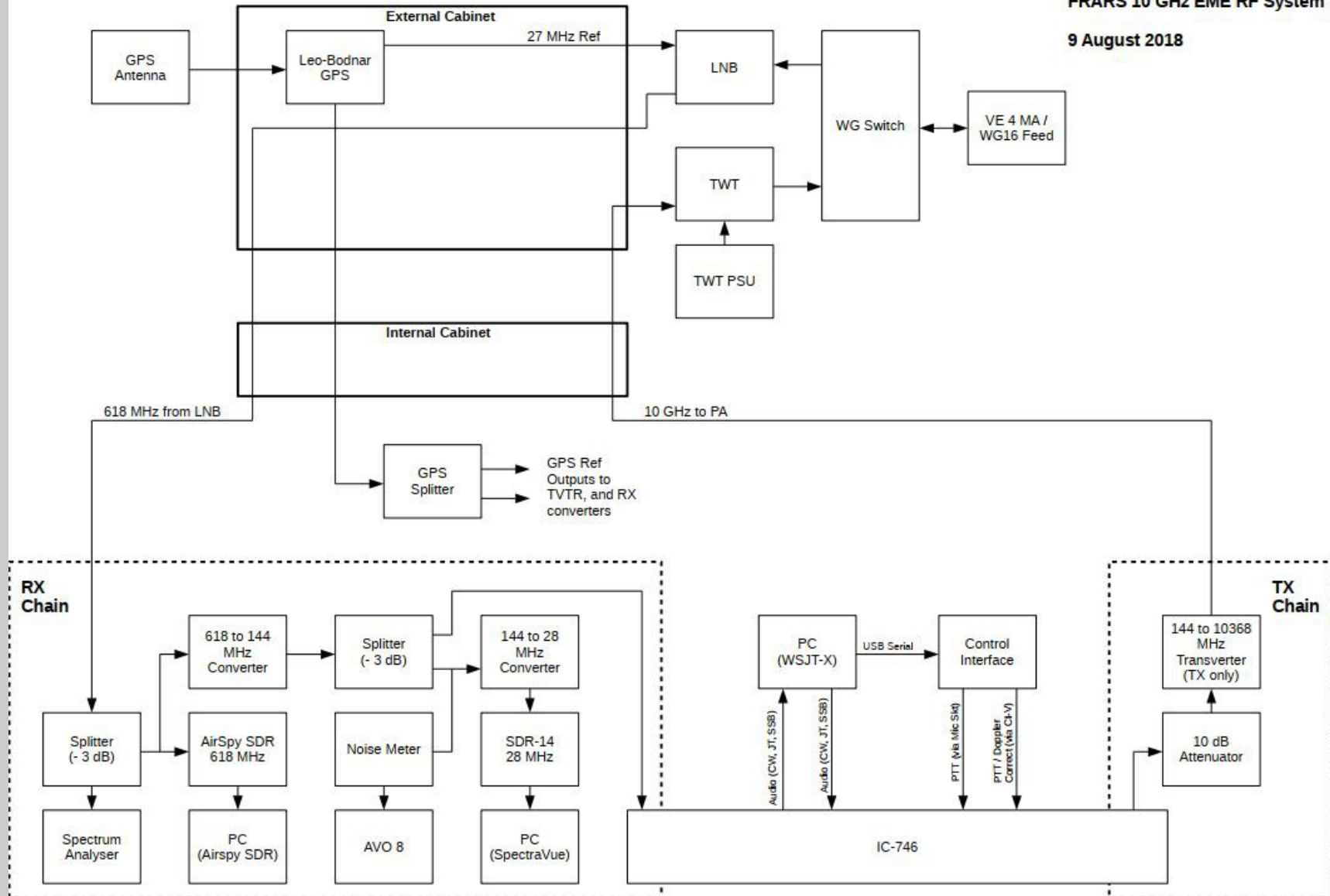




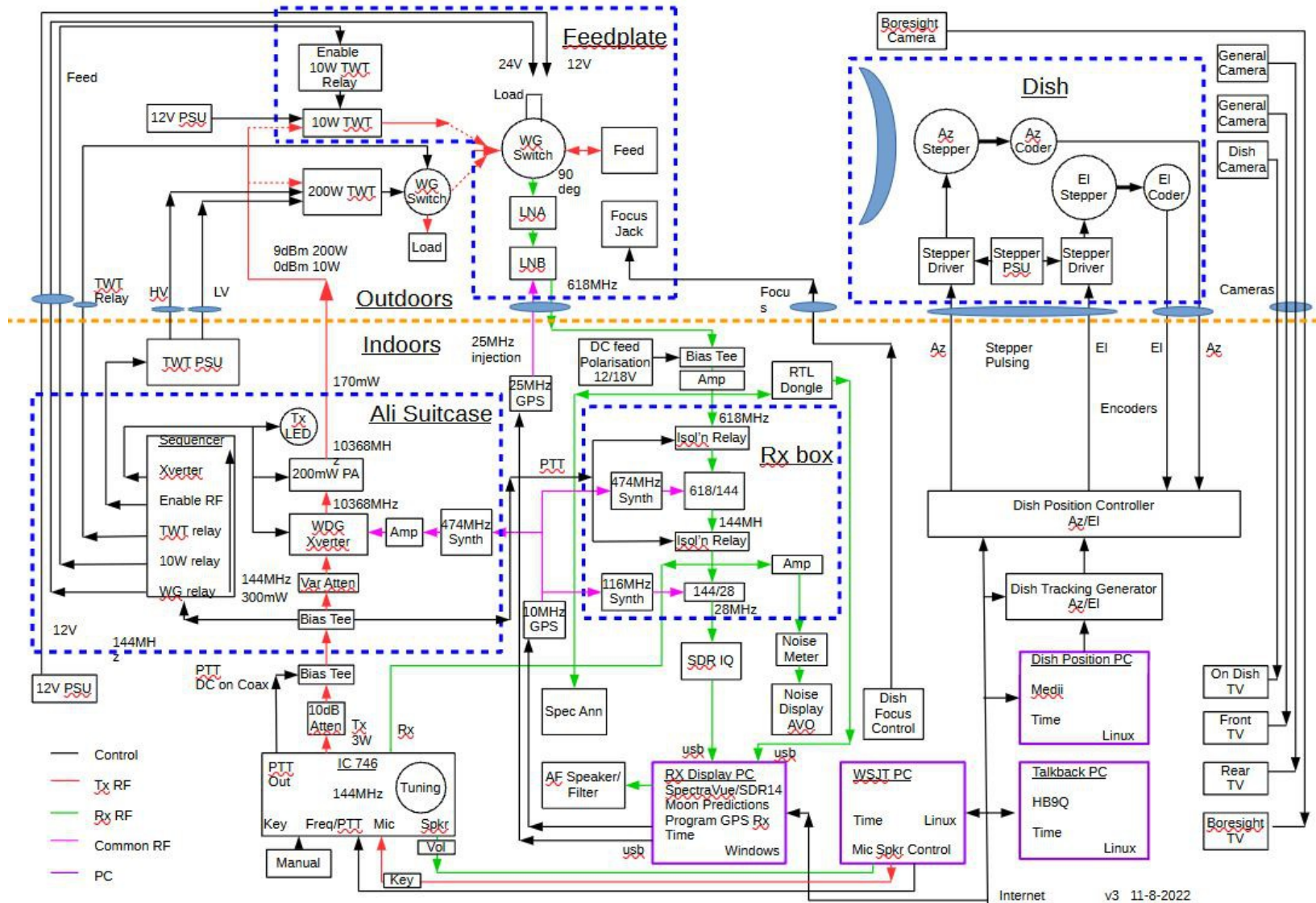




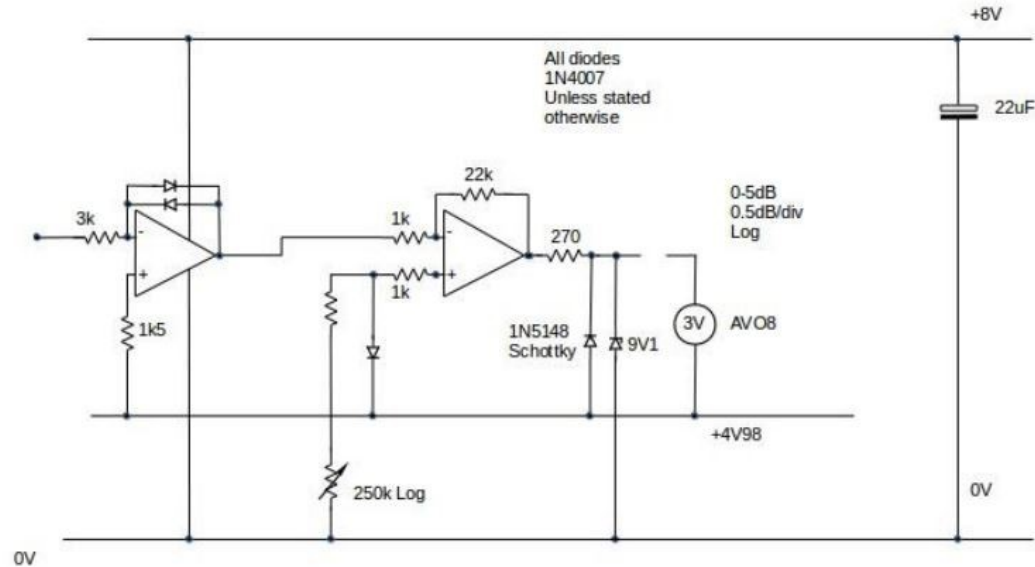
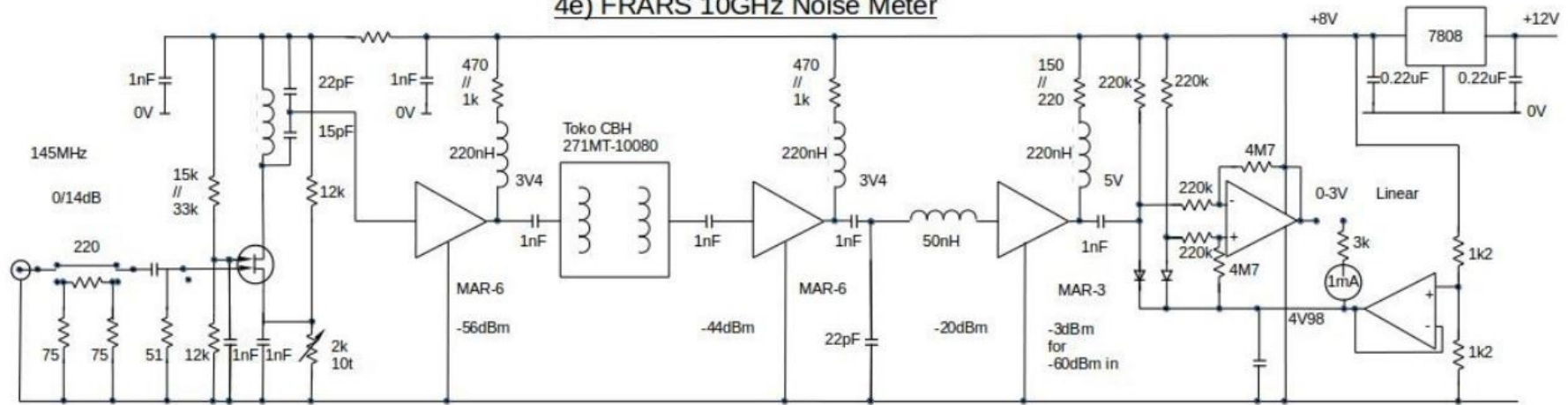
9 August 2018

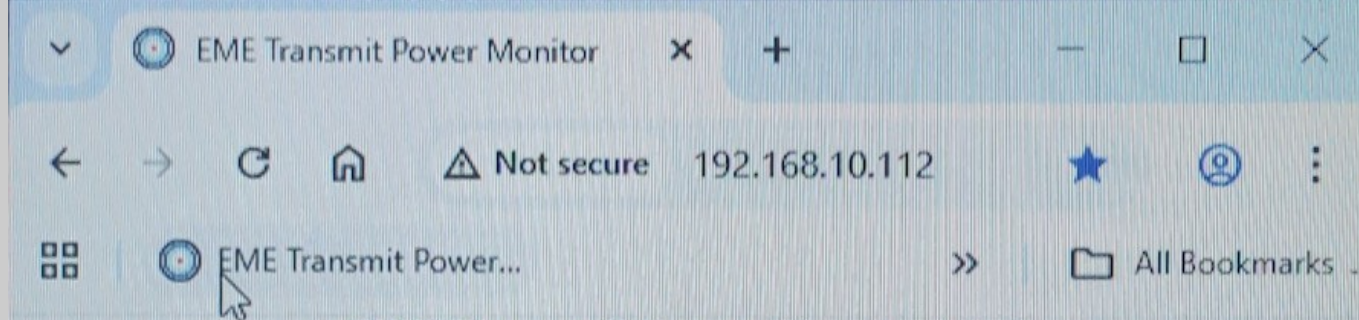


FRARS 10GHz EME System



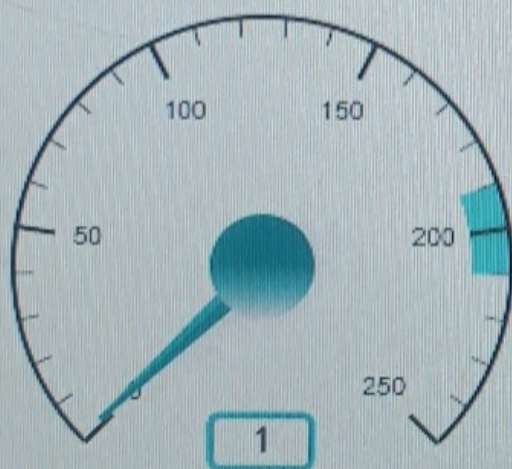
4e) FRARS 10GHz Noise Meter





EME Transmit Power Monitor V1.2

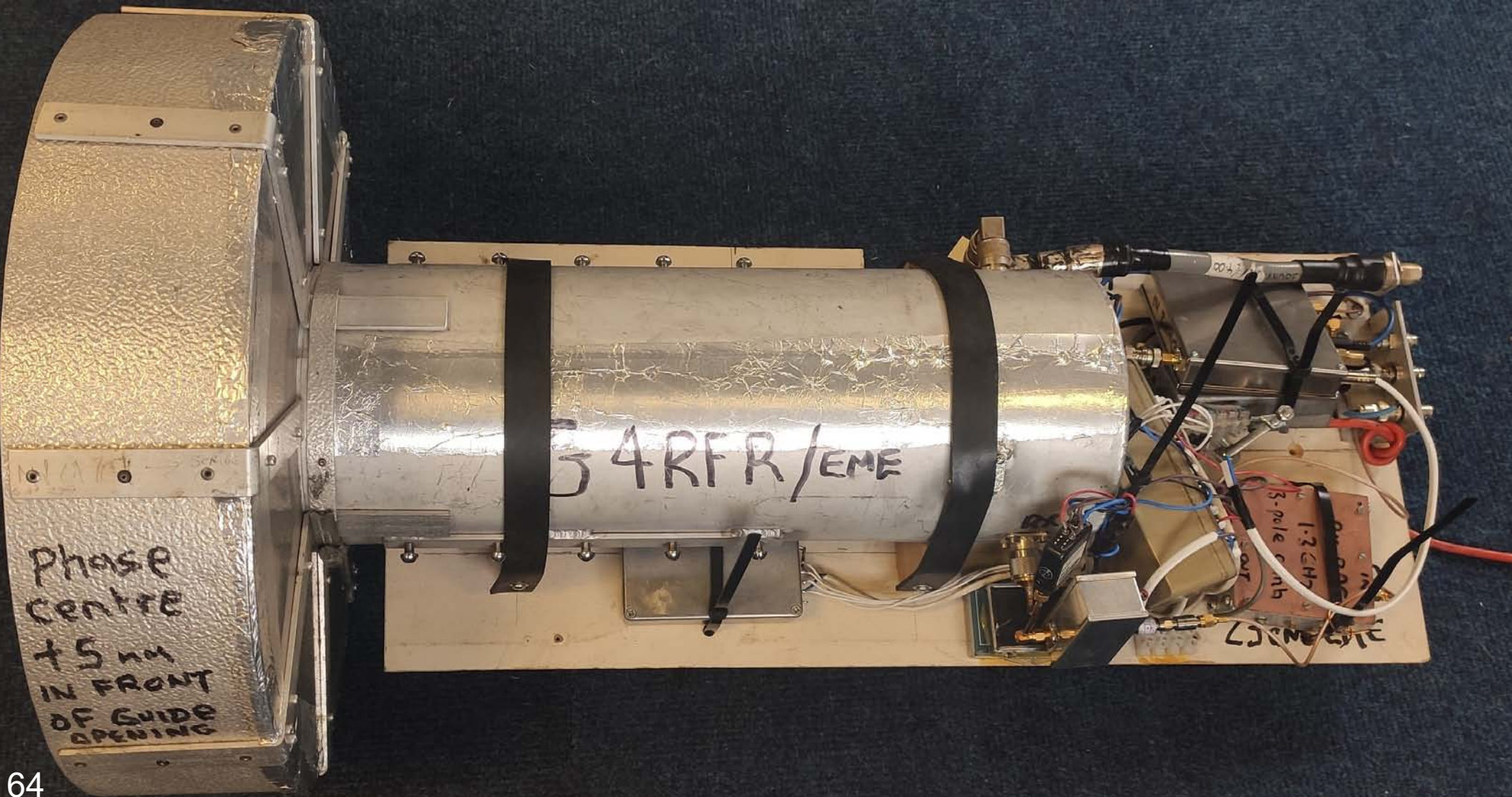
Forward (W)



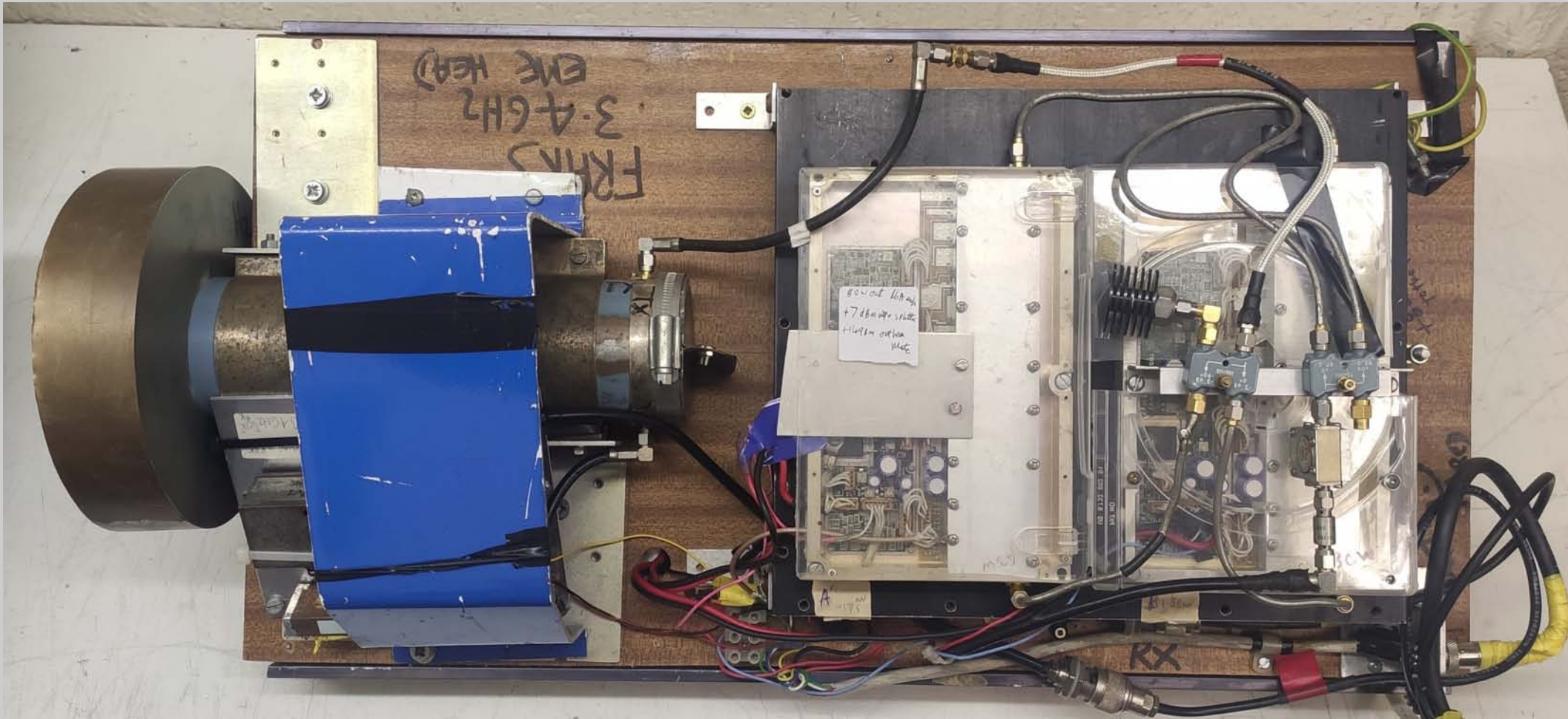
Reflected (W)

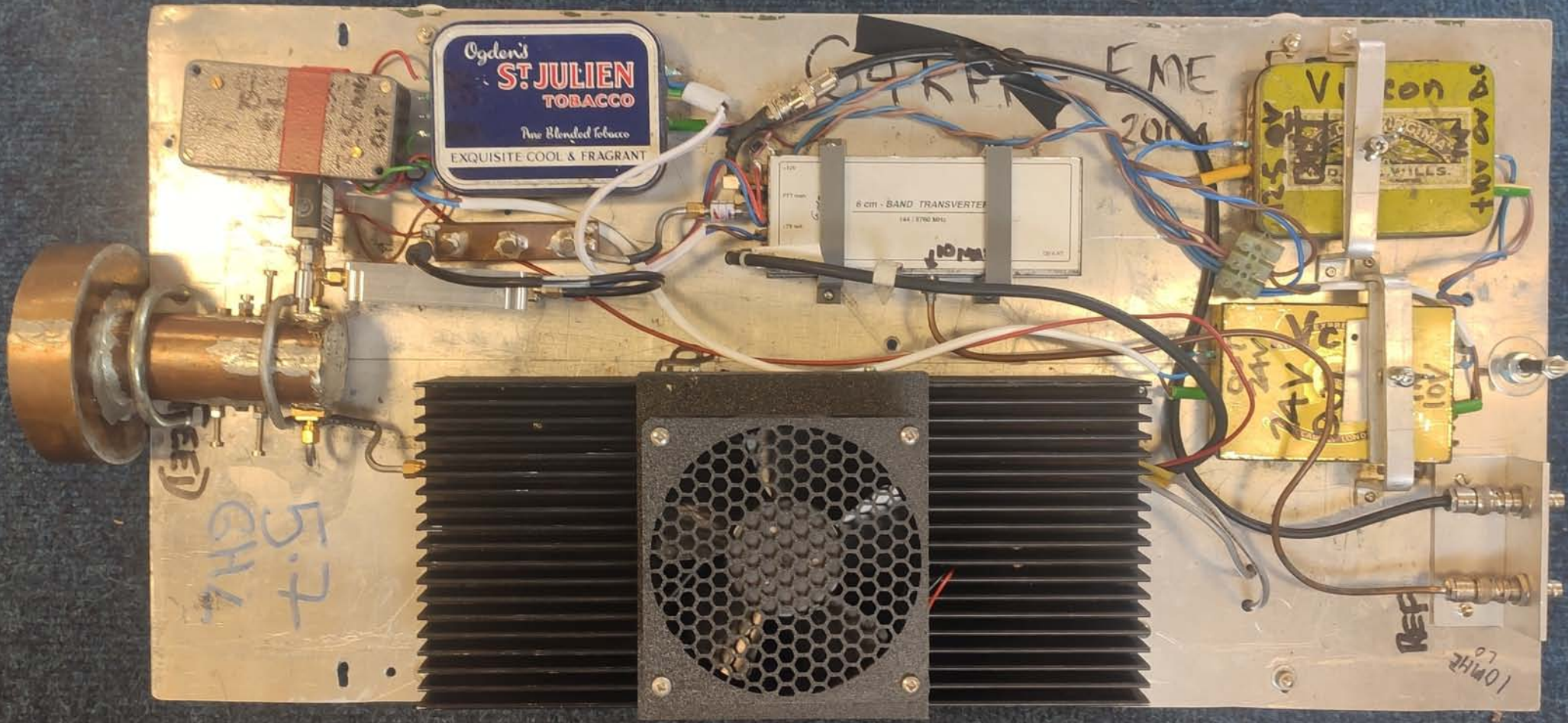


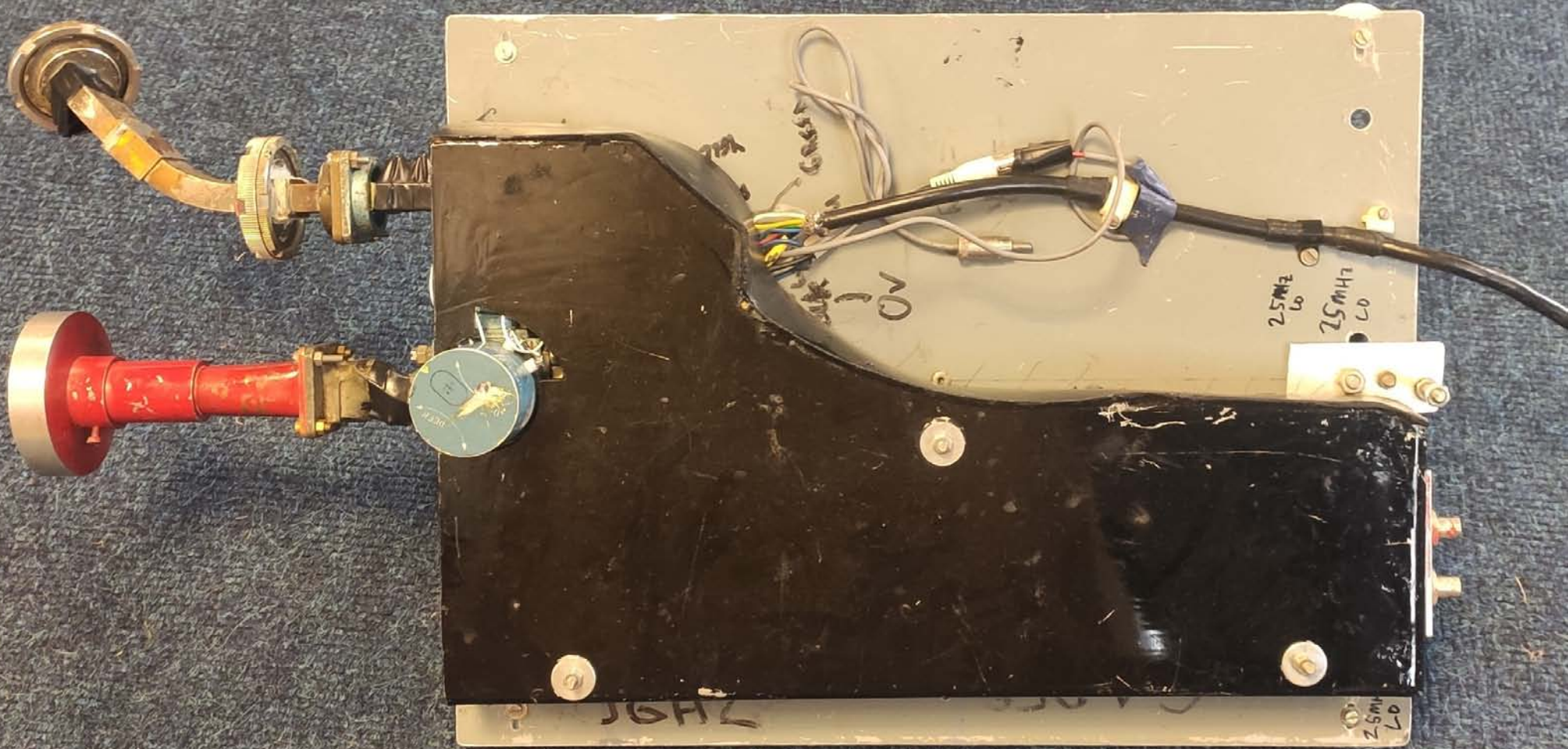




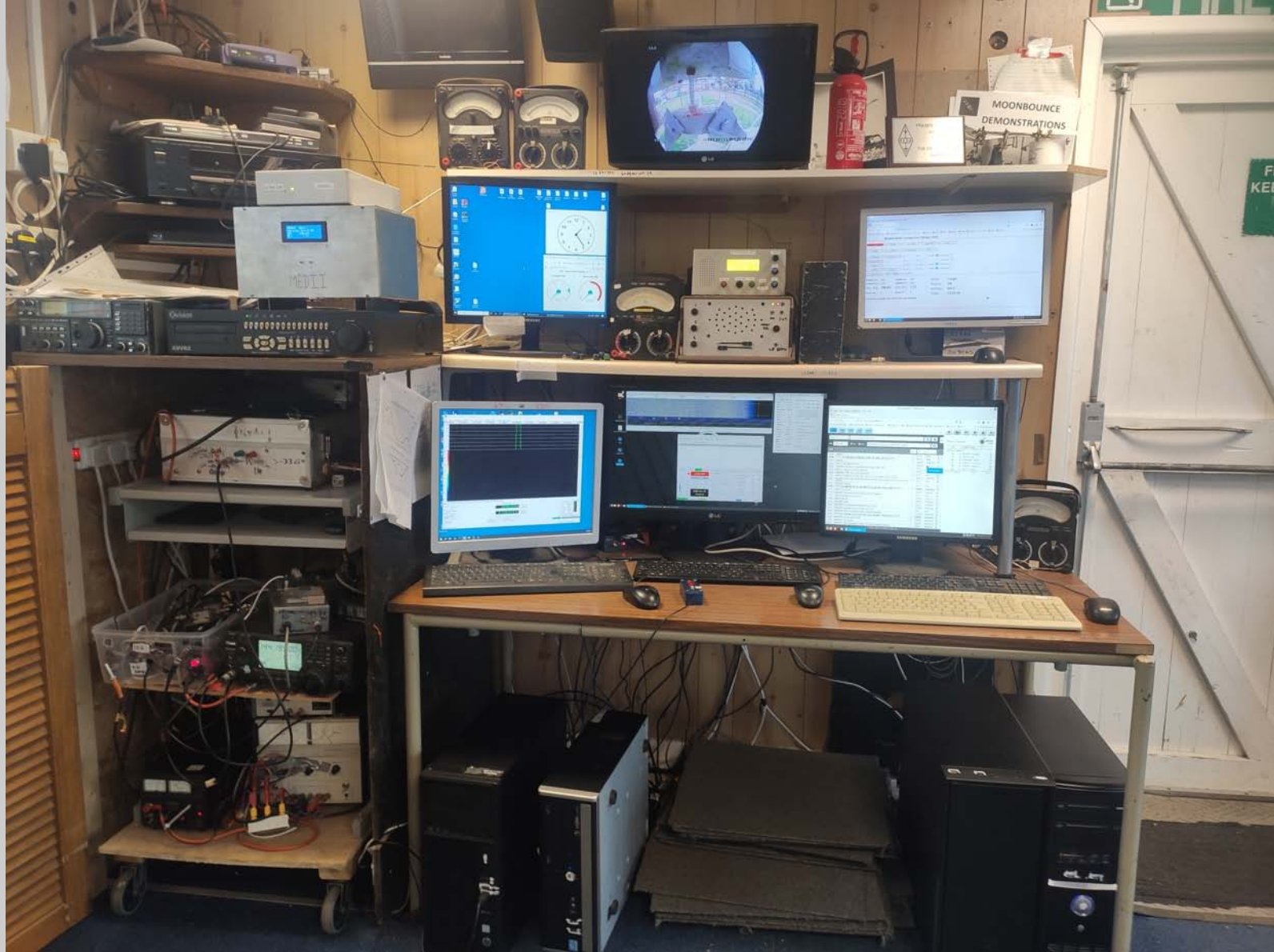














**FRASER SHEPHERD
AWARD**

2022

**THE FRARS GROUP
G4RFR**



Carl G6NLC

John M5AHQ

Julian G3YGF

John G0API

Rob M5RAO

