

Equipment:

Kenwood TS-2000X
Yeasu G5500
Yeasu GS-232B
M2 Antennas

Software

GNOME Predict
FLDigi

Pointing Ability:

Beam width 21 & 38
Software calculations +/- .1
Hardware pointing precision +/- 10

Tracking Ability:

Antennas 1 Satellite
Software +/- 20 Satellites (Hardware limitation)

Operating range: 2, 6, 10, 12, 15, 17, 20, 30, 40, 80, 160 meter & 70, 23 cm bands

Modes: CW, AM, (N)FM, SSB, FSK, AFSK

Audio Signal processing based on the above demodulation schemes

Sensitivity Main: SSB/CW/FSK (S/N 10 dB)	Less than 4 μ V (500 kHz ~ 1.705 MHz) Less than 0.2 μ V (1.705 MHz ~ 24.5 MHz) Less than 0.13 μ V (24.5 MHz ~ 30 MHz) Less than 0.13 μ V (50 ~ 54 MHz) Less than 0.16 μ V (144 ~ 148 MHz) Less than 0.11 μ V (430 ~ 450 MHz) Less than 0.11 μ V (1240 ~ 1300 MHz)
AM (S/N 10 dB)	Less than 31.6 μ V (500 kHz ~ 1.705 MHz) Less than 2 μ V (1.705 ~ 24.5 MHz) Less than 1.3 μ V (24.5 ~ 30 MHz) Less than 1.3 μ V (50 ~ 54 MHz) Less than 1.4 μ V (144 ~ 148 MHz) Less than 1.0 μ V (430 ~ 450 MHz)
FM (12 dB SINAD)	Less than 1.0 μ V (1240 ~ 1300 MHz) Less than 0.22 μ V (28 ~ 30 MHz) Less than 0.22 μ V (50 ~ 54 MHz) Less than 0.25 μ V (144 ~ 148 MHz) Less than 0.18 μ V (430 ~ 450 MHz)

Sub:	Less than 0.18 μ V (1240 ~ 1300 MHz)
AM	Less than 2.25 μ V (144 ~ 148 MHz)
FM	Less than 1.55 μ V (438 ~ 450 MHz)
FM	Less than 0.40 μ V (144 ~ 148 MHz)
FM	Less than 0.28 μ V (438 ~ 450 MHz)

Selectivity	
Main:	
SSB Low (300MHz)	More than 2.2 kHz (-6 dB)
SSB Hi (2600 MHz)	Less than 4.4 kHz (-60 dB)
AM Low (100 MHz)	More than 6.0 kHz (-6 dB)
AM Hi (3000 MHz)	Less than 12.0 kHz (-50 dB)
FM	More than 12.0 kHz (-6 dB)
FM	Less than 25.0 kHz (-50 dB)
FM Narrow	More than 8.0 kHz (-6 dB)
FM Narrow	Less than 20.0 kHz (-50 dB)
Sub:	
AM	More than 12.0 kHz (-6 dB)
AM	Less than 25.0 kHz (-50 dB)
FM	More than 12.0 kHz (-6 dB)
FM	Less than 25.0 kHz (-50 dB)