GPS Repeater System – AS 61

Description:

AS61 is a retransmission system for all GNSS frequencies for use in a building, lab use, production line, hangar or shelter or anechoic chambers.

Transmitting range is around 15-20m. The radiation angle / beam width is about 90°.

GALILEO is the GNSS of European Union. GLONASS is the GNSS of the Russian federation. Omnistar is a chargeable precise positioning service for users of GPS.

Technical Datasheet:

Art.-No.: AS61-XX-V-xx (depending on the configuration)
Frequencies:
- 1575 MHz +/- 15 MHz (L1-zivil)
- 1227 MHz +/- 12 MHz (L2-MIL)
- 1176 MHz +/- 12 MHz (L5-neu)
- 1609 MHz +/- 7 MHz (L1-GLO)
- 1252 MHz +/- 7 MHz (L2-GLO)
- 1575 MHz +/- 17 MHz (E1/2 Galileo)
- 1164 – 1219 MHz (E5-Galileo)
- 1266 – 1290 MHz (E6-Galileo)
- 1542 MHz +/- 14 MHz (OMNI)
- 1542 MHz +/- 5 MHz (L6-Galileo)

Polarisation: R.H.C.P. (Right Handed Circular Pol.)
Gain: 33-35 dB (antenna), 0-30 dB (repeater)
VSWR: < 2.0 : 1 (antenna)
Cable length: 30 m (outdoor antenna to repeater)
Cable type: LMR400 PE, LMR195 or others
Power supply: 230 Volt (power adapter)
Consumption: 100 mA +/- 5 mA (in total)
Impedance: 50 Ohm
Dimensions:
- 127 mm x 43 mm (antenna)
- 100 mm x 65 mm x 32 mm (without antenna)

Material antenna: aluminium alloy base, composite radome, fire retardant, MIL specifications on inquiry
Weight: 200 g (antenna)
Mounting antenna: with screws, clamping on Pole Mount
Environ. Condition.: 100 % water proofed (outdoor antenna)