

ICOM SHF Project

— Super High Frequency Band Challenge —

April 15, 2022

Design Sketch for <SHF-P1> Concept Model

Releasing the <SHF-P1> Design concept for the Icom SHF Project. This prototype model will be displayed at the Dayton Hamvention in Ohio, USA from 20th May 2022.

Controller with Compact Size

The controller is designed based on the compact IC-705. The operation system is basically the same as the IC-705. The Real-time spectrum scope can be adjusted for various band spans.

Controller

Front view



Front side (design sketch)

Back view

LAN cable connector

RF Module with 2.4 GHz/5.6 GHz and GPS Antenna Connectors

2.4 GHz and 5.6 GHz antenna connectors enable operation on two SHF bands. In addition to these connectors, there is also a GPS antenna connector. A high-precision 1 Pulse-per second (1PPS) clock signal from a built-in GPS receiver enables advanced frequency management.

RF Module

