

Gevonden mails mbt de R-725/URR op het internet

Weird 391 Mon Feb 12 09:27:53 1996

The R-725 was the R-390A with the R390 IF strip used by NSA in the TRD15 and 23 systems. As mentioned, they used 8-10 of these receivers and a circle of receiving antennas 150' in diameter and a device called a goniometer? (I think that's right) to sequentially rotate the "antenna farm" to feed it into a truckload of additional equipment from scopes to amplifiers and a transmitter. This allowed the doppler effect to then give a line of bearing for DF Work. It would sound as if the mentioned 391 had a similar purpose. However, the autotune 390 version creates more questions. Maybe NSA didn't mean to get rid of this one and it slipped away! (Maybe from the Ft. Meade skunk works?) Definately WEIRD!

73's Dave metzd@cfw.com

Servo Help with R-725 Sun Feb 18 08:45:44 1996

I recently purchased an R-725. This is a R-390A with a new IF deck similar to that of the R-390 (no mech filters). The company which packaged this rig for the TRD-15 direction finding system was Servo Corporation of America (Servo Industries in 1965) of Hicksville, NY. I dropped them a note, and Mr. Stephen Barre, chairman of the company, was nice enough to send me a packet of about eight drawings fully documenting the modification of the 390A, and a how-to on scratch building a 390 IF deck. Servo scratch built the 390 style decks for this modification, robbing some parts (like BFO) from actual 390 decks. The new IF is was called a series 500 IF. They also added a separate power supply to provide 28V DC to the filaments of the IF deck and the PTO. Anyway, I'll write this stuff up for ER, but I thought it was nice of Servo to send these drawings. If anyone wants to scratch build a R-725, look me up.

73 de tom n5off%w5ddl.aara.org@usl.edu

R-725 info Mon Apr 01 09:31:37 1996

The R-725 is actually a R-390A in sheep's clothing. The difference is the R-390A IF deck was replaced by a newly made R-390 typed tuned circuit IF deck to enable better direction finding. The new decks were called "series 500 IF deck". The sets were modified by Arvin and Servo Corp. I have a copy of the drawings from Servo. BTW, there is also a separate power supply module added in to supply filament voltage for the IF deck and the PTO. The PTO has a mod to enable this new filament source. Look to a future ER on this.

73 de tom