

Crolles, August 29th, 2012

ADEUNIS RF

283 rue LOUIS NEEL – 38920 CROLLES FRANCE
Office : +33 (0) 4 76 92 07 77 Fax +33 (0)4 76 08 97 46

TO : TIMCO Subject : Permissive change.

Product : ARF7482A, ARF7482B & ARF7482C

FCC ID : U3Z-ARF7474

Dear Sir/Madam,

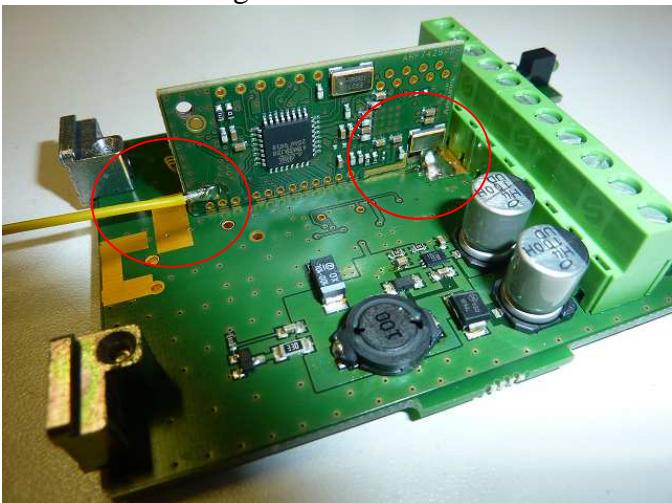
We, AdeunisRF, would like to change the functionality of the modems **ARF7482A, ARF7482B & ARF7482C** (previously know under FCC ID: **U3Z-ARF7474**)

ARF53 Wireless modem has been tested for GYL technologies in the report number 084102-CC-1-a. The first version of ARF53 Wireless modem had only a fixed antenna; it was just a business decision, not a technical limitation. PCBs, layout, bill of material and placement are the same with internal or external antenna. This version is the same product with removed antenna and an extension TNC cable length 500mm.

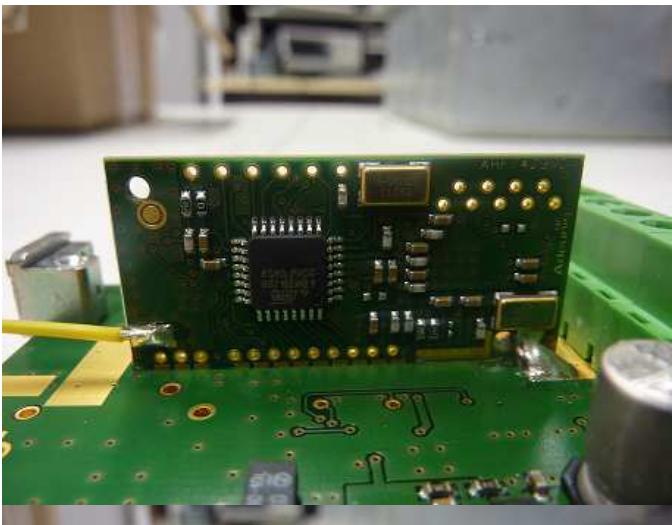
The equipment changes are the possibility to use the following antennas:

- ARF7482A : PROCOM ELF900-915 TNC-antenna gain: 5dBi
- ARF7482B : LAIRD FG9026-antenna gain : 6dBd
- ARF7482C : LAIRD FG9023-antenna gain : 3dBd

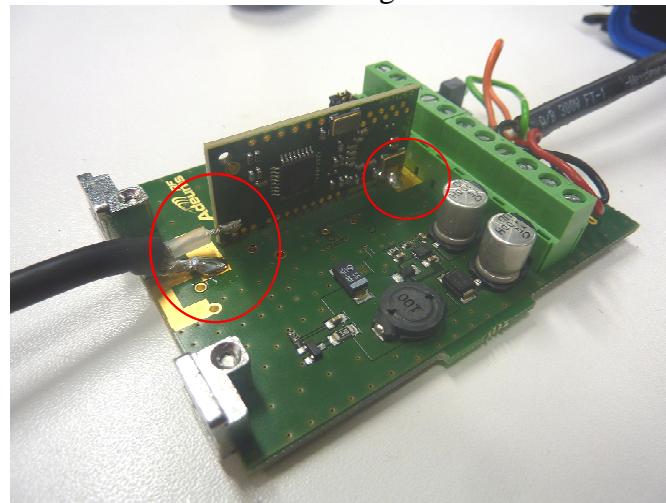
Original version



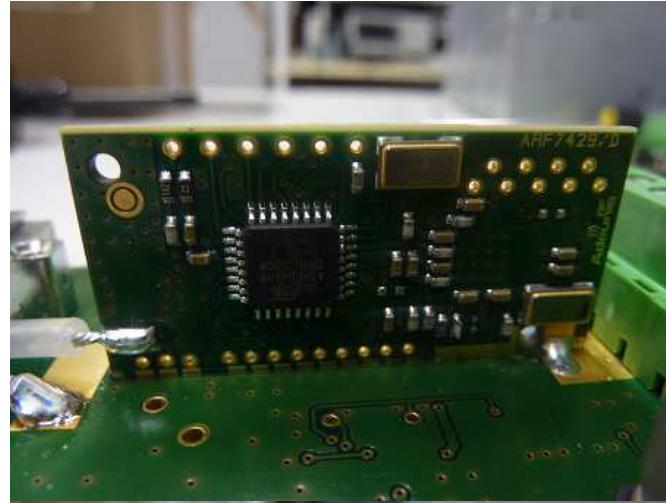
- Make a spot weld for connecting the ground between the two boards.
- Solder the wire antenna directly on the golden pad of the radio module.



Permissive change version



- Make a spot weld for connecting the ground between the two boards.
- Solder the soul of coaxial cable directly on the golden pad of the radio module.
- Solder the shield of the coaxial cable as shown above on the golden zone.





Pascal Saguin
Technical Manager Adeunis RF
If you have any queries, please do not hesitate to contact us. Best Regards.