LES RÉALISATIONS DE LA « LIGNE BLEUE »

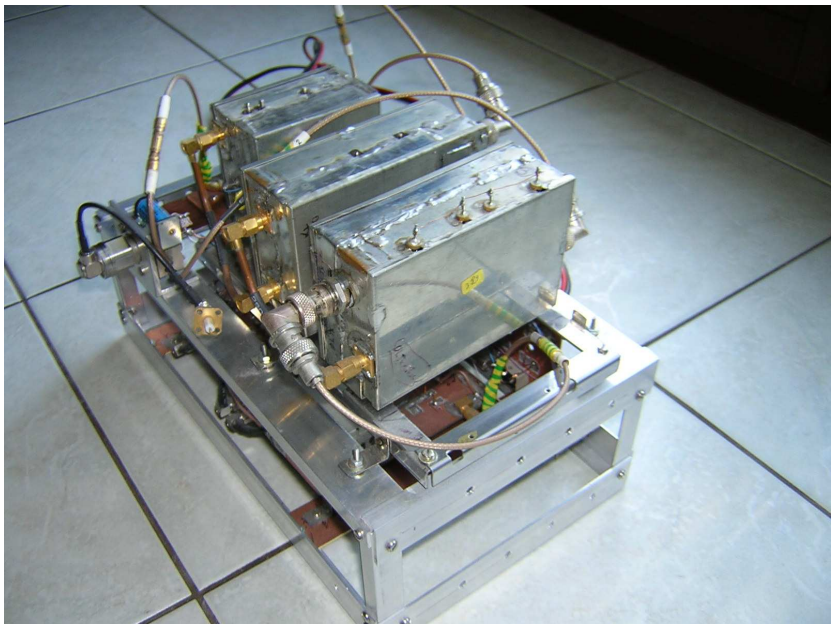
LE SAVOIR-FAIRE RADIOAMATEUR

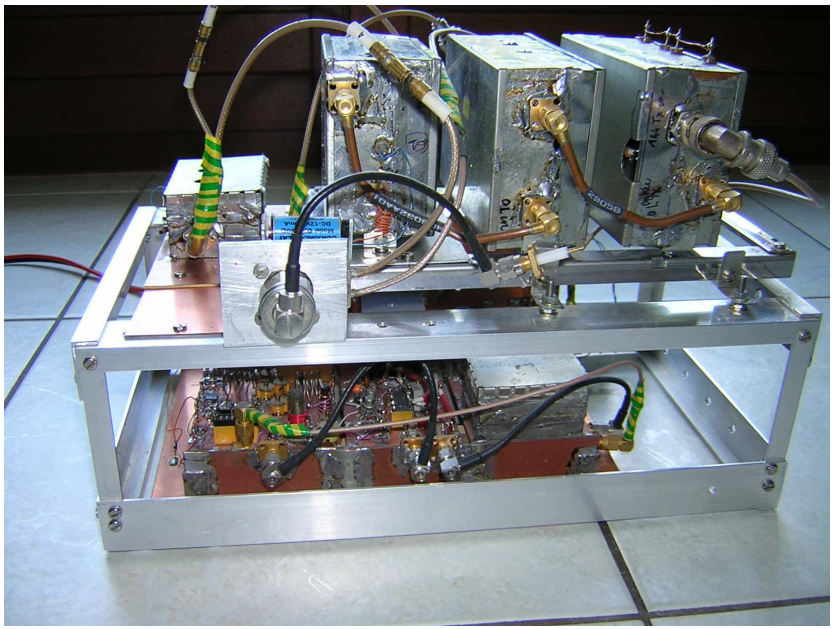
Transverter 23 cm (1296 MHz) construction F6BCU 1983 et modifications 1999 à 2004

Par F6BCU–Bernard MOUROT—Radio-Club de la Ligne bleue

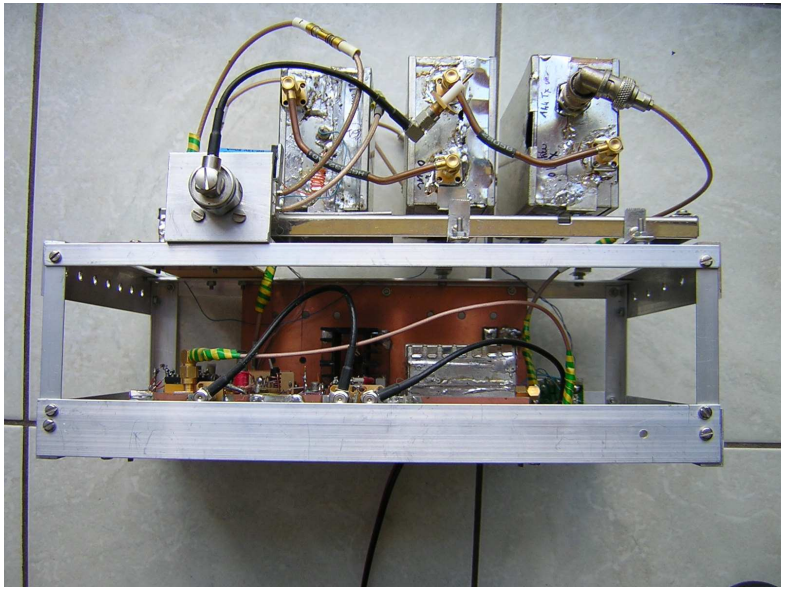
4ème partie Les photographies du transverter 1296/28 MHz

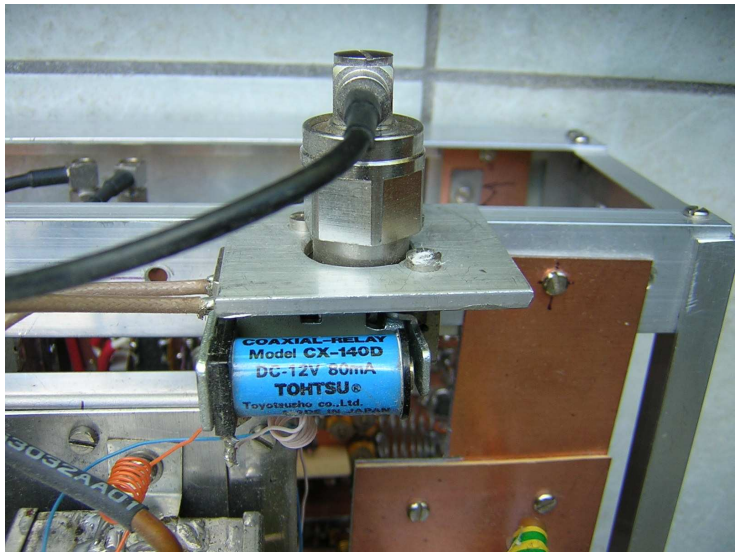
(comprend 2 transverters en cascade 1296/144 et 144/28)

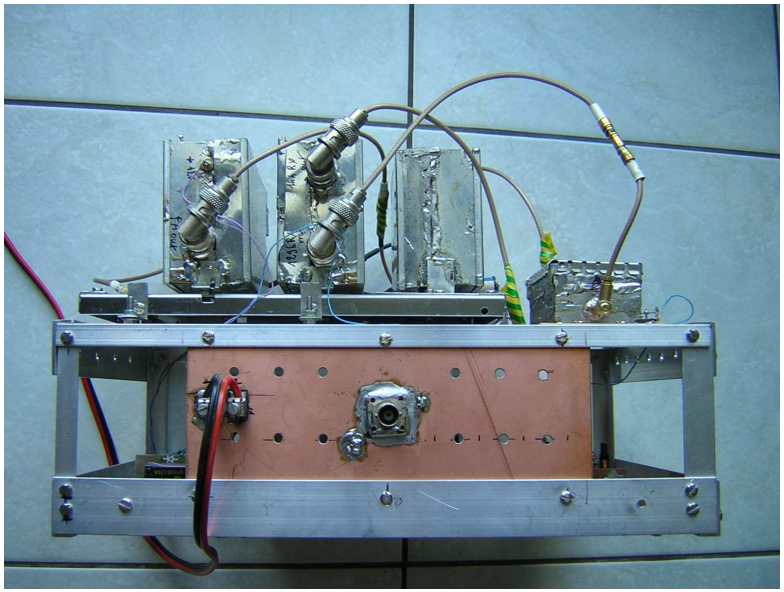


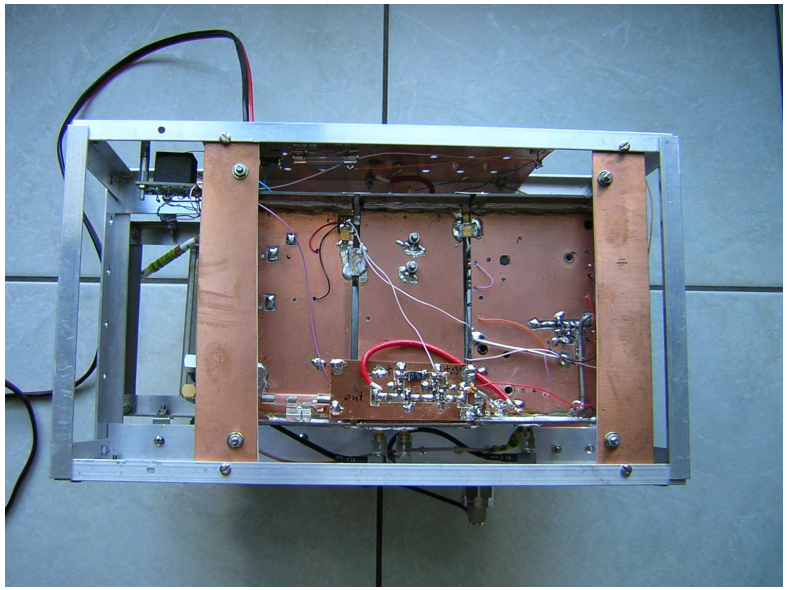


Transverter 23 cm complet

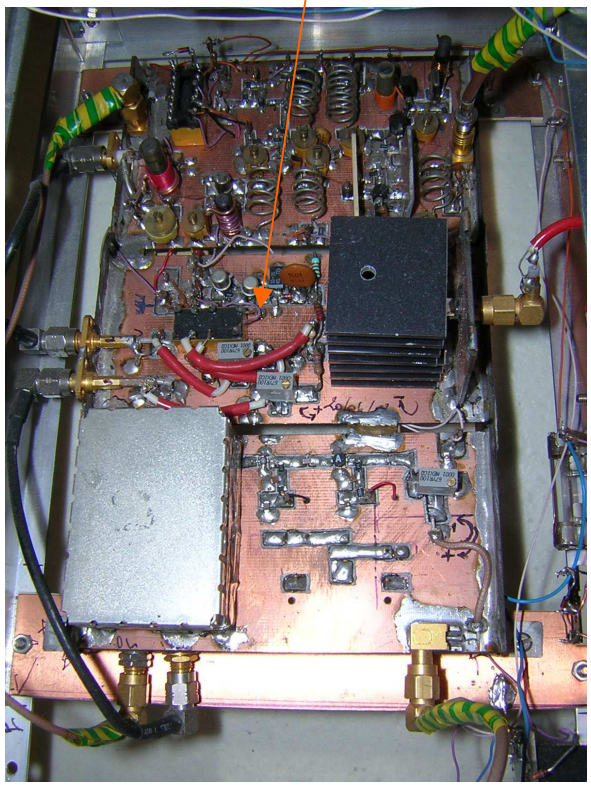


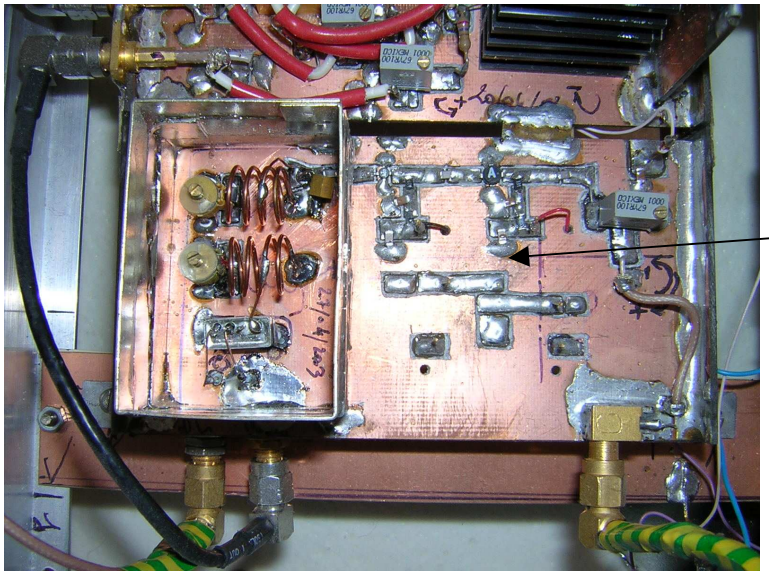

COAXIAL-RELAY
Model CX-140D
DC-12V 80mA
TOHTSU
Toyotsuho co.,Ltd.



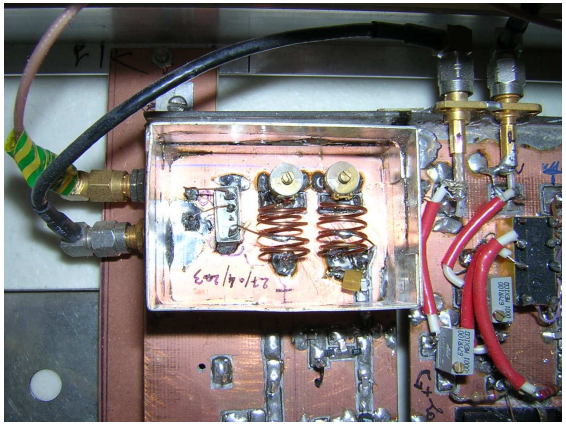


Partie transverter 144/28

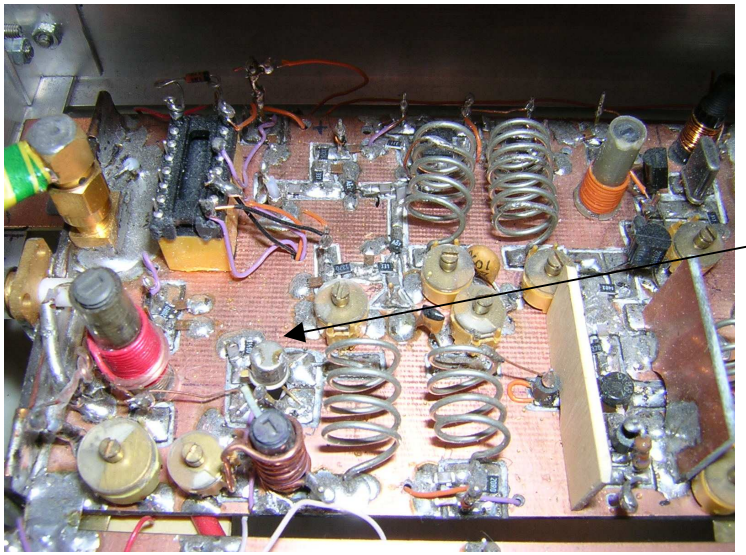




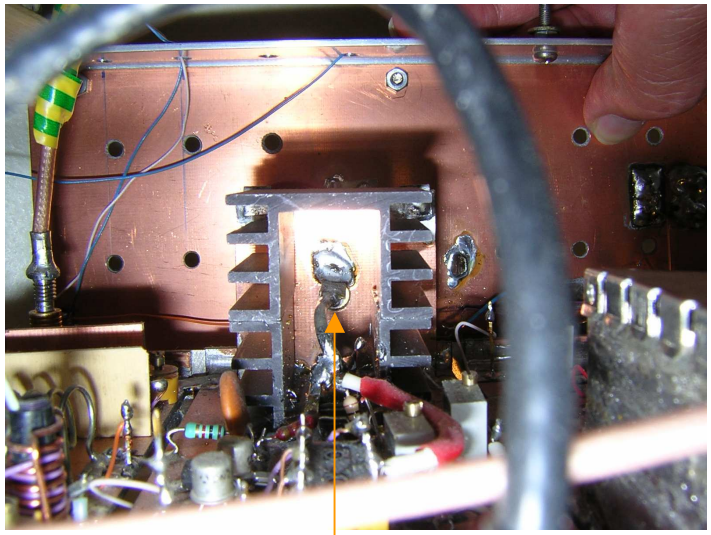
Partie émission 144 à petit niveau 50 mW HF maximum par MMIC MSA 1105



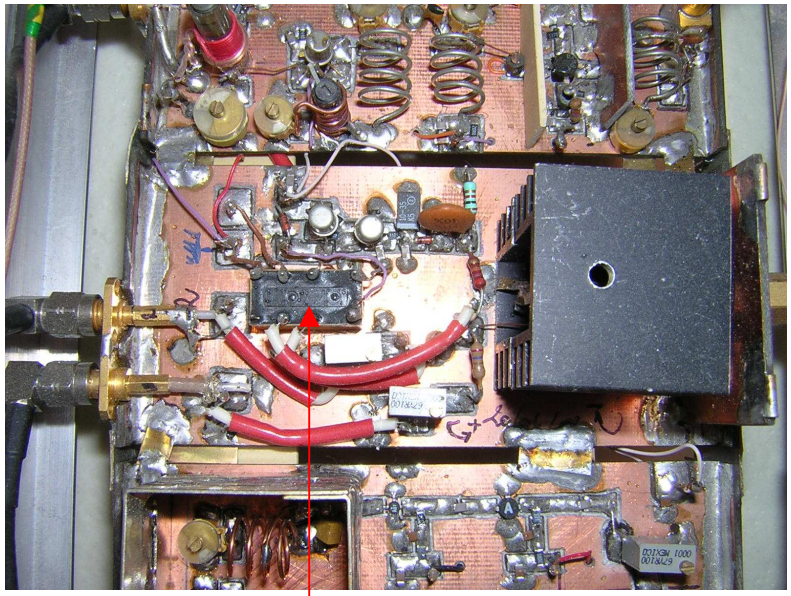
Mélangeur 116 + 28 = 144 MHz



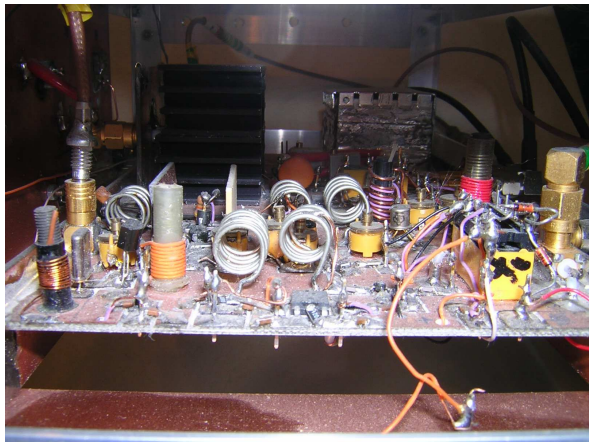
Partie réception 144 MHz : Ampli HF et mélangeur BF960, F.I. 28 MHz



Charge de 50 W HF module intégré et radiateur pour 10 w dissipation Max



Platine VOX HF et charge émission /réception commutation par relais et commande délai



Platine réception de face

Conclusion : la mise au point d'un tel transverter ne demande pas un gros appareillage de mesure, mais beaucoup de bon sens et une bonne connaissance des phénomènes inhérents aux hyper fréquences.

Bernard MOUROT F6BCU REMOMEIX VOSGES 20 août 2004