Mesures des antennes avec un minivna le 24 septembre 2011

Samedi 24 sept vers 20h30, nous nous sommes rendus au radioclub

afin de faire quelques essais de réceptions numériques du type psk31, rtty, etc...

F1OET Robert, F6BZG Arnaud et moi même F5NWY

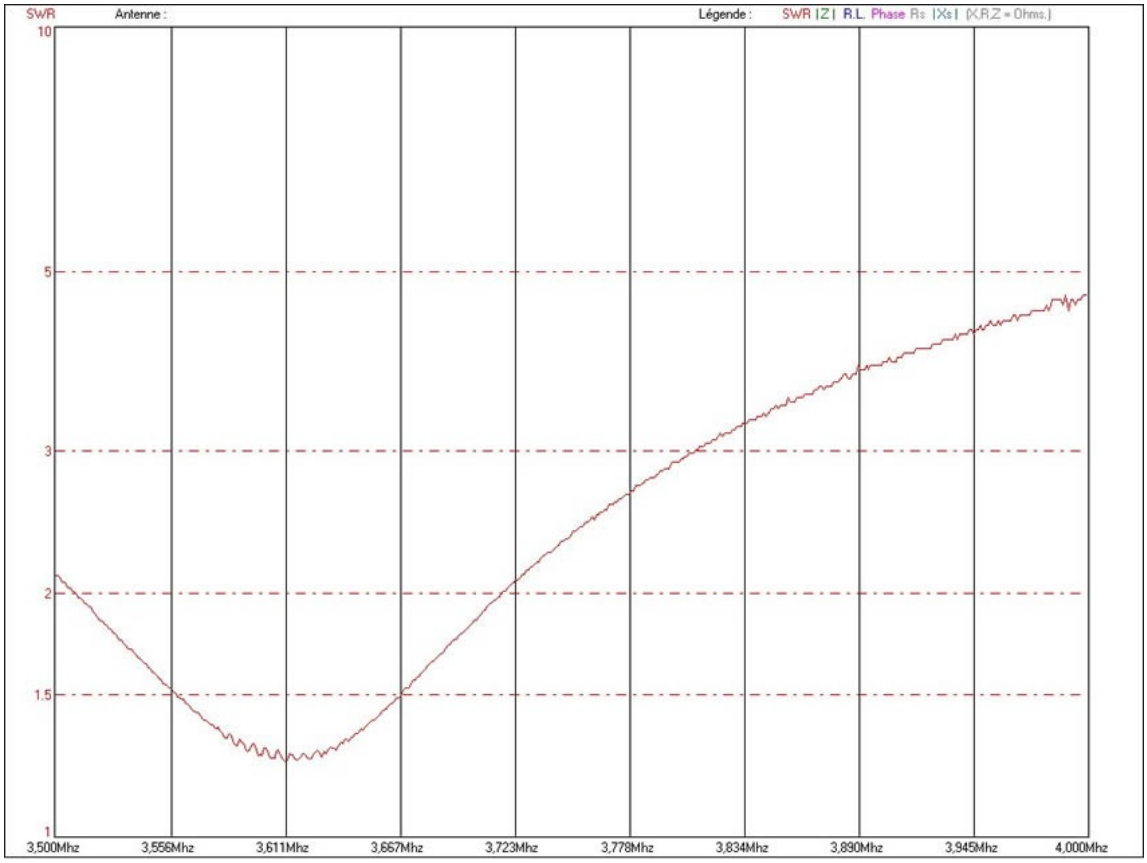
avons pu voir les différents résultats entre deux matériels différents.

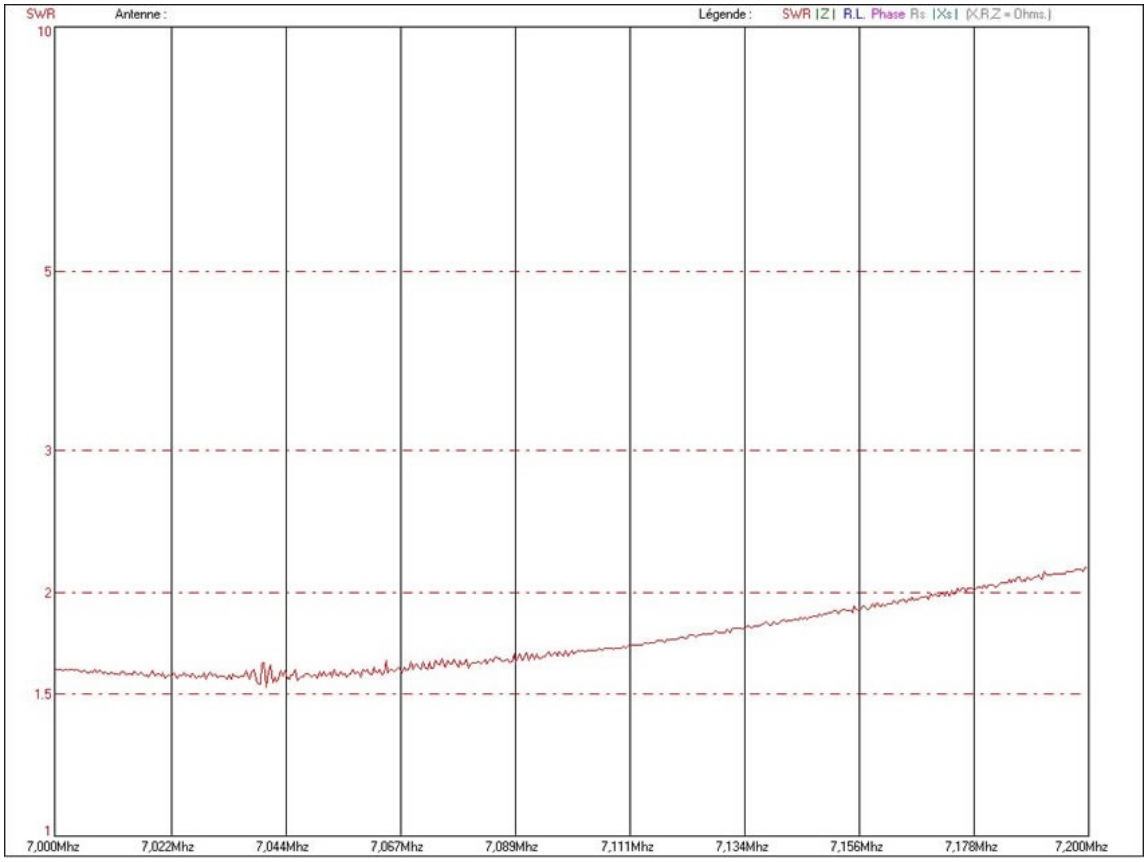
Robert avait amené son Minivna pour mesurer les deux antennes

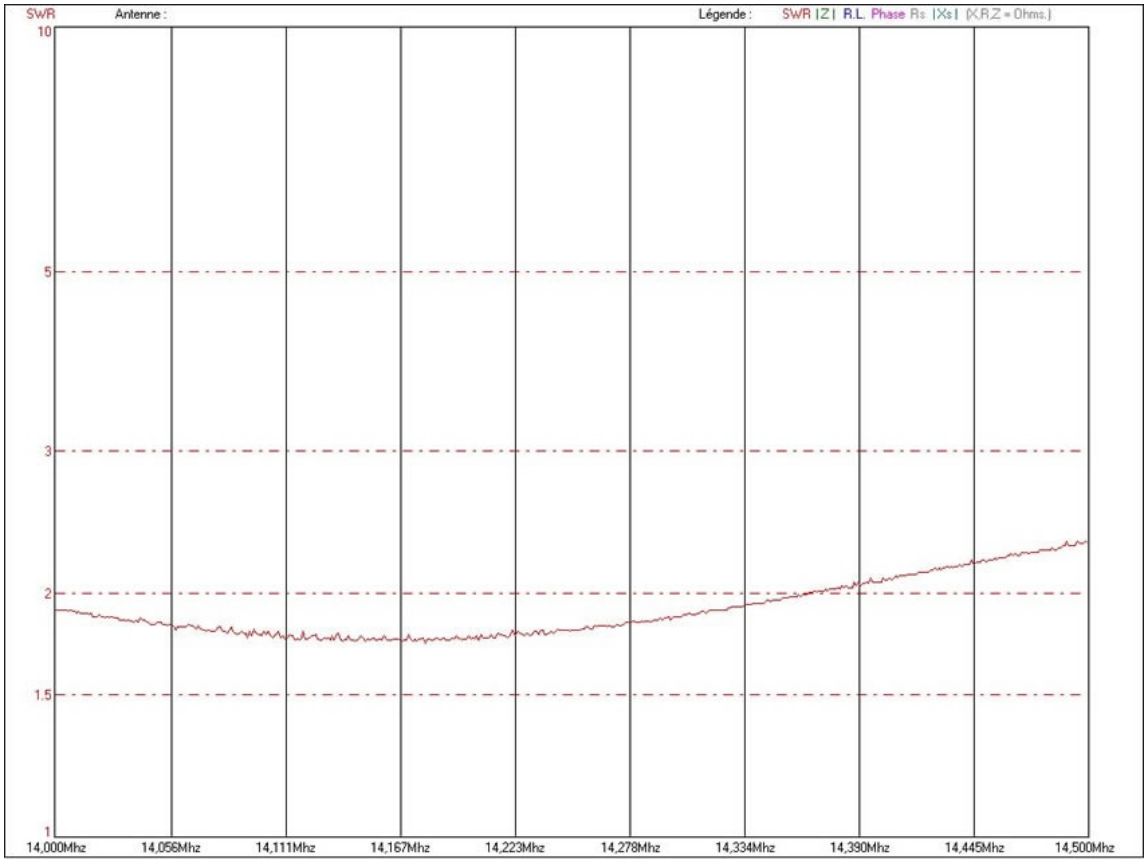
FB53 et la delta loop

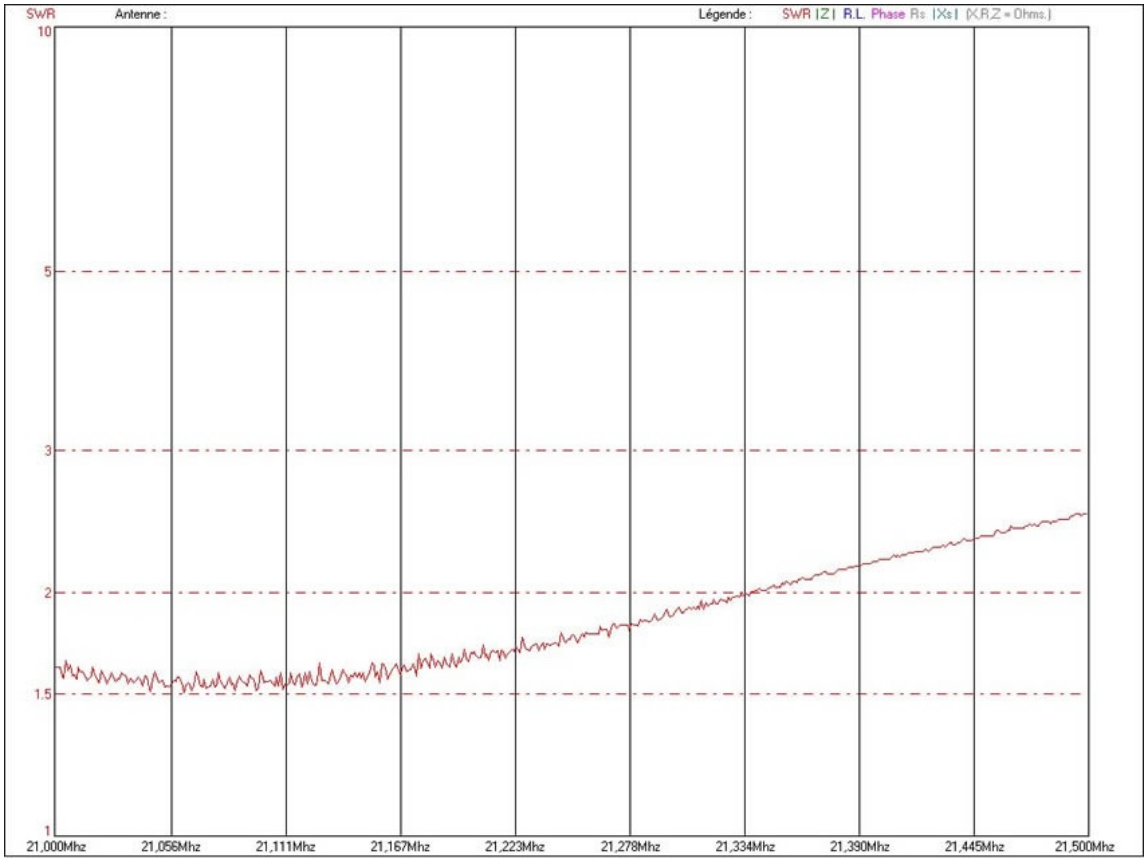
Voici les courbes ci-dessous :

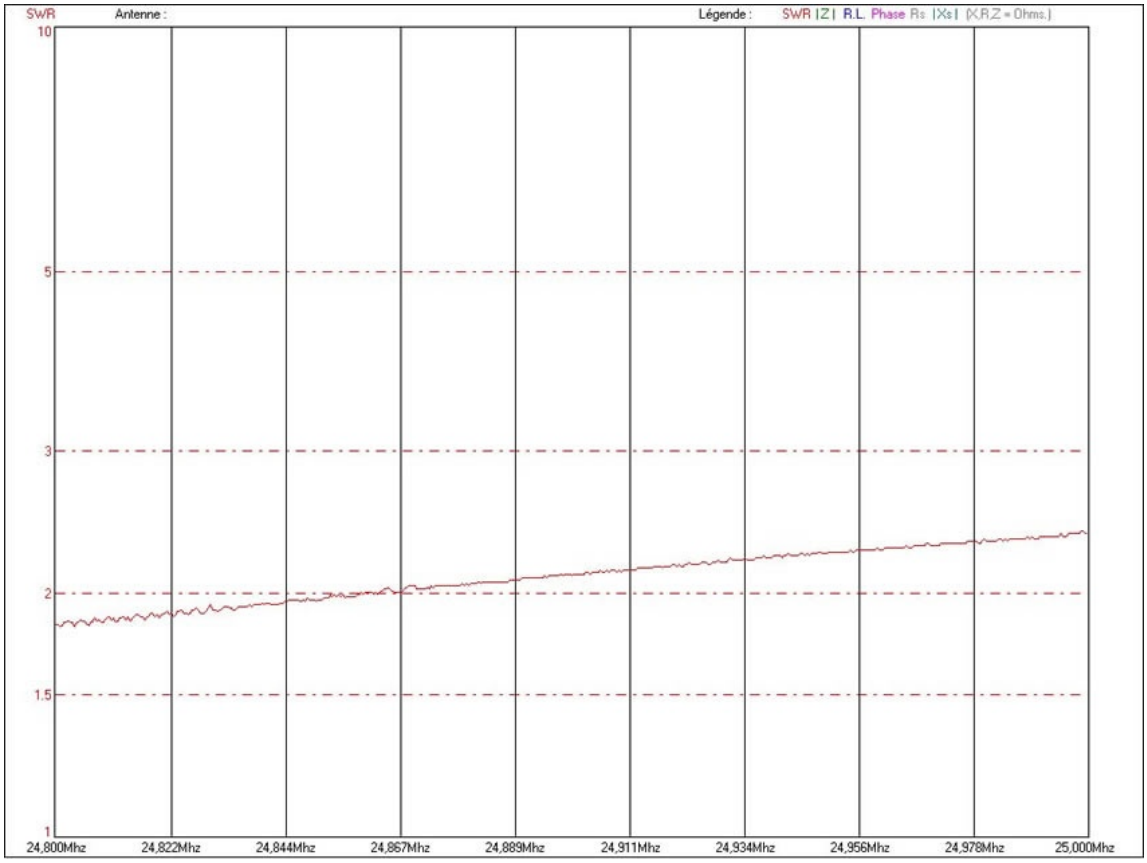
La delta loop 7, 14, 21, 24, 28, 50, 144 MHz pour commencer !!!

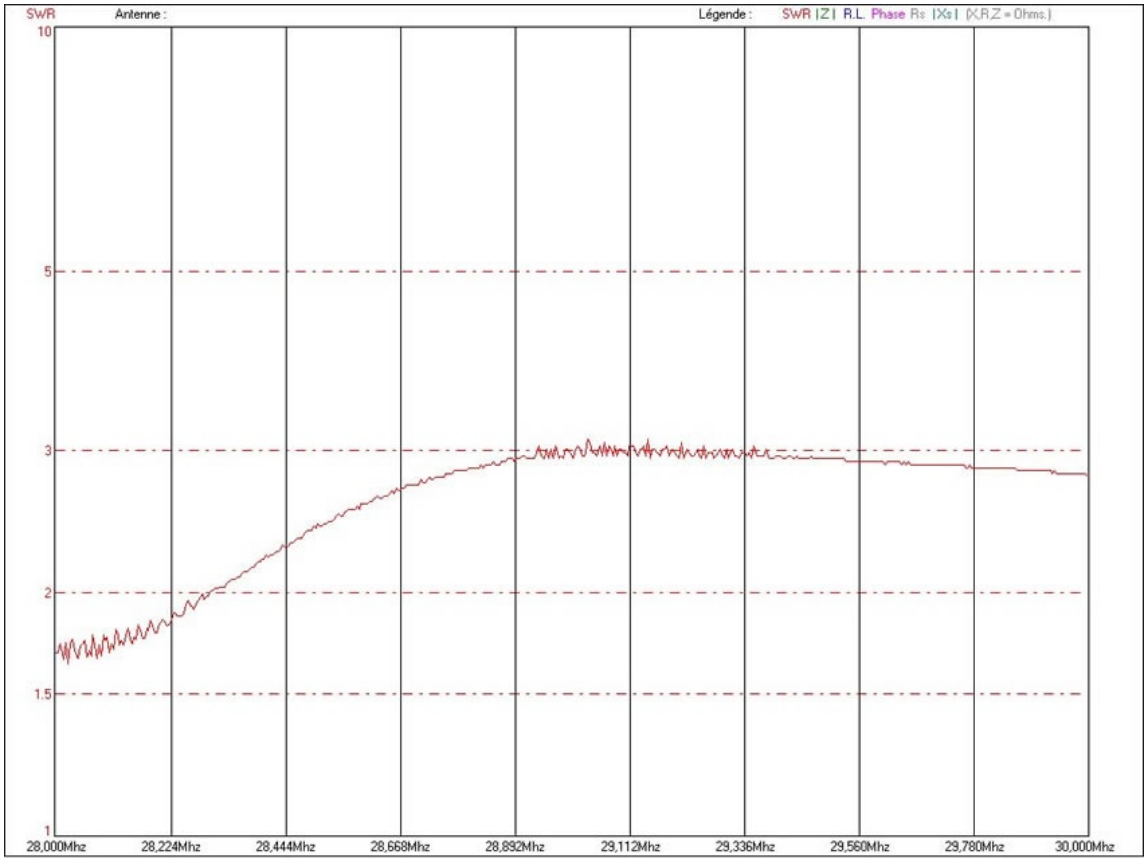


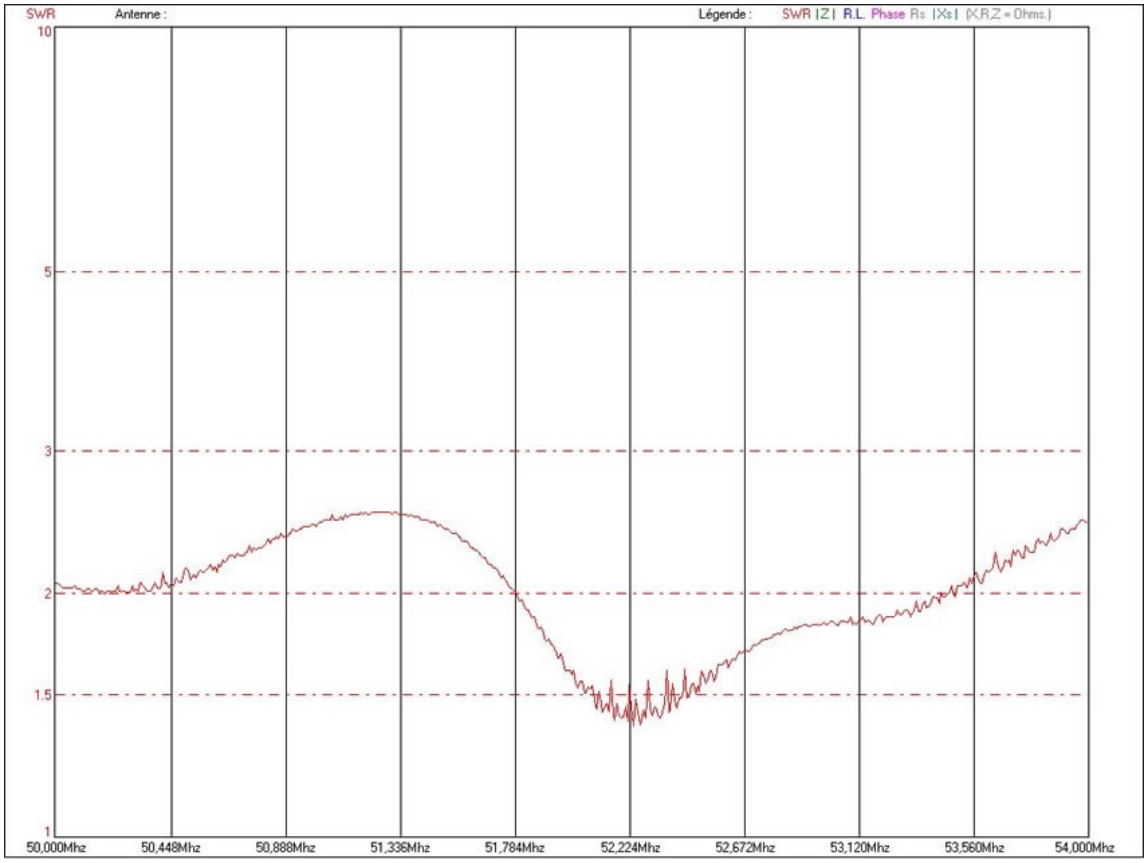

SWR
Antenne :
Légende : SWR |Z| R.L. Phase Rs |Xs| (X,R,Z = Ohms.)
10
5
3
2
1.5
1
7,000Mhz
7,022Mhz
7,044Mhz
7,067Mhz
7,089Mhz
7,111Mhz
7,134Mhz
7,156Mhz
7,178Mhz
7,200Mhz

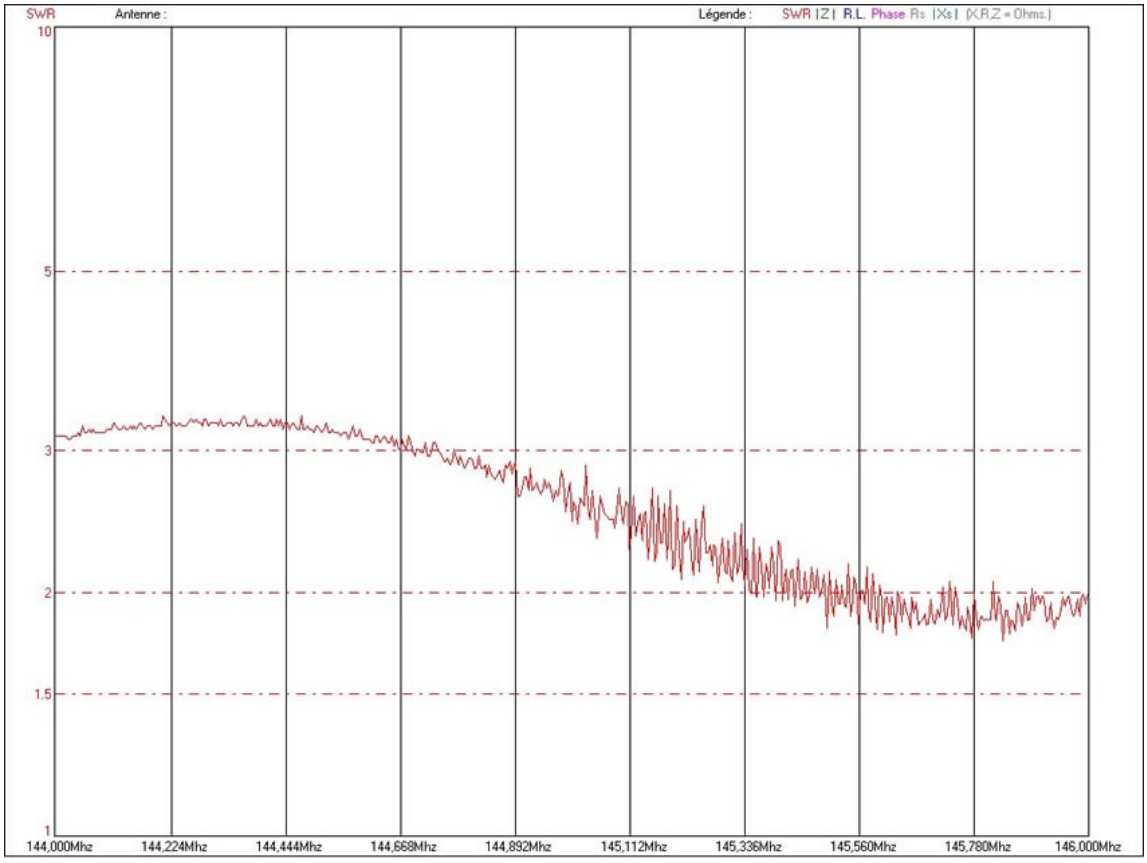

SWR
Antenne :
Légende : SWR |Z| R.L. Phase Rs |Xs| (X,R,Z = Ohms.)
10
5
3
2
1.5
1
14,000Mhz
14,056Mhz
14,111Mhz
14,167Mhz
14,223Mhz
14,278Mhz
14,334Mhz
14,390Mhz
14,445Mhz
14,500Mhz


SWR
Antenne :
Légende : SWR |Z| R.L. Phase Rs |Xs| (X,R,Z = Ohms.)
10
5
3
2
1.5
1
21,000Mhz
21,056Mhz
21,111Mhz
21,167Mhz
21,223Mhz
21,278Mhz
21,334Mhz
21,390Mhz
21,445Mhz
21,500Mhz

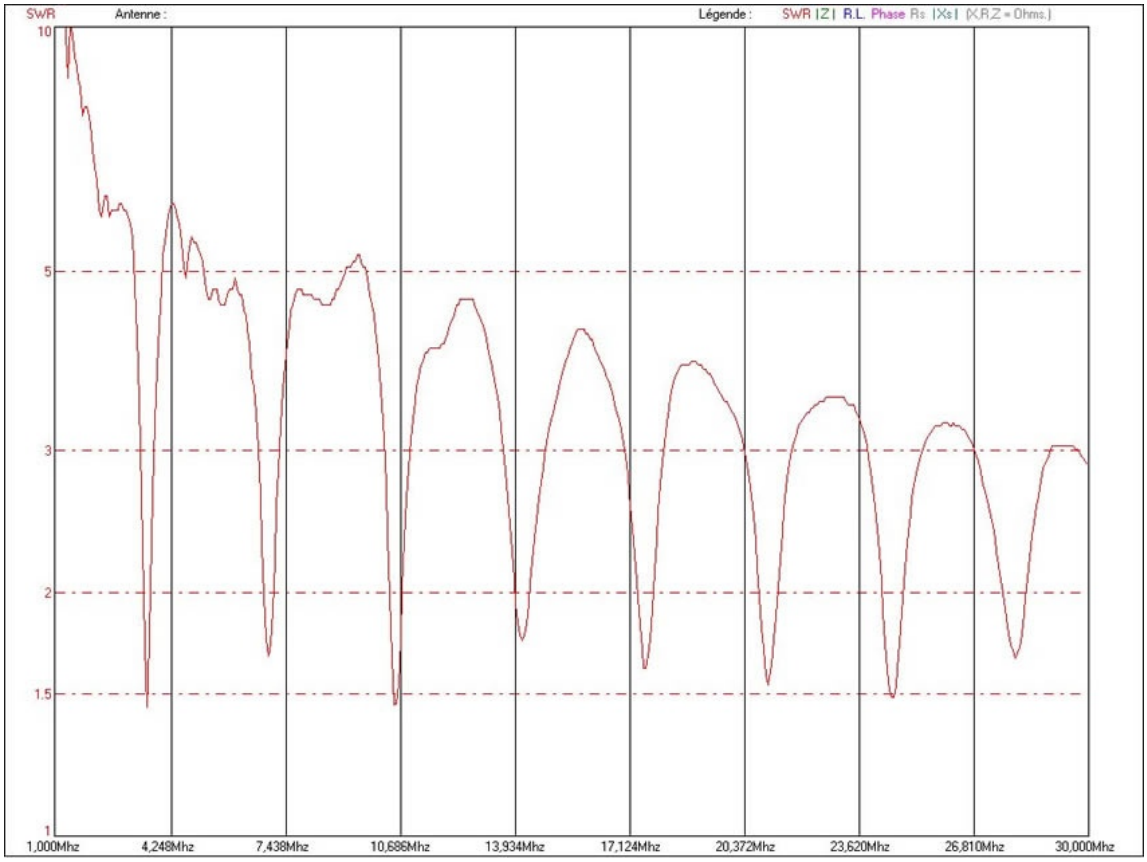

SWR
Antenne :
Légende : SWR |Z| R.L. Phase Rs |Xs| (X,R,Z = Ohms.)
10
5
3
2
1.5
1
24,800Mhz
24,822Mhz
24,844Mhz
24,867Mhz
24,889Mhz
24,911Mhz
24,934Mhz
24,956Mhz
24,978Mhz
25,000Mhz


SWR
Antenne :
Légende : SWR |Z| R.L. Phase Rs |Xs| (X,R,Z = Ohms.)
10
5
3
2
1.5
1
28,000Mhz
28,224Mhz
28,444Mhz
28,668Mhz
28,892Mhz
29,112Mhz
29,336Mhz
29,560Mhz
29,780Mhz
30,000Mhz


SWR
Antenne :
Légende : SWR |Z| R.L. Phase Rs |Xs| (X,R,Z = Ohms.)
10
5
3
2
1.5
1
50,000Mhz
50,448Mhz
50,888Mhz
51,336Mhz
51,784Mhz
52,224Mhz
52,672Mhz
53,120Mhz
53,560Mhz
54,000Mhz

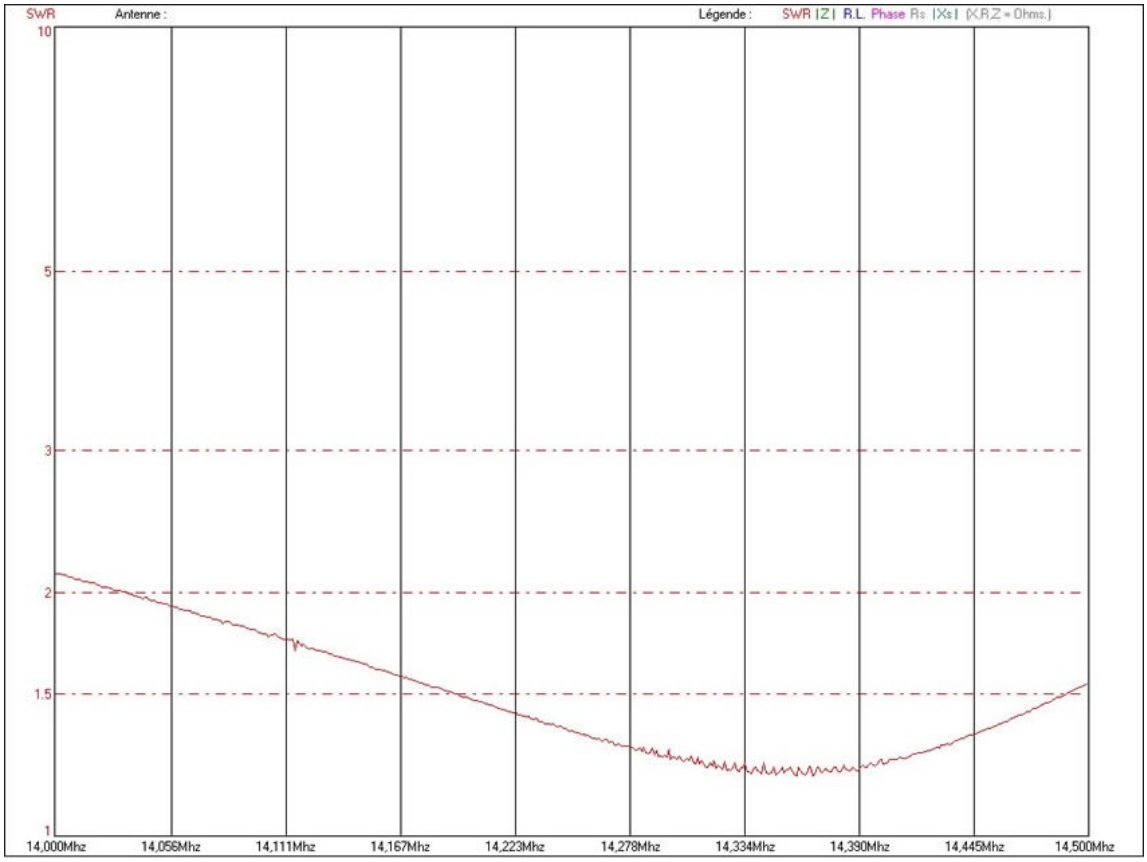


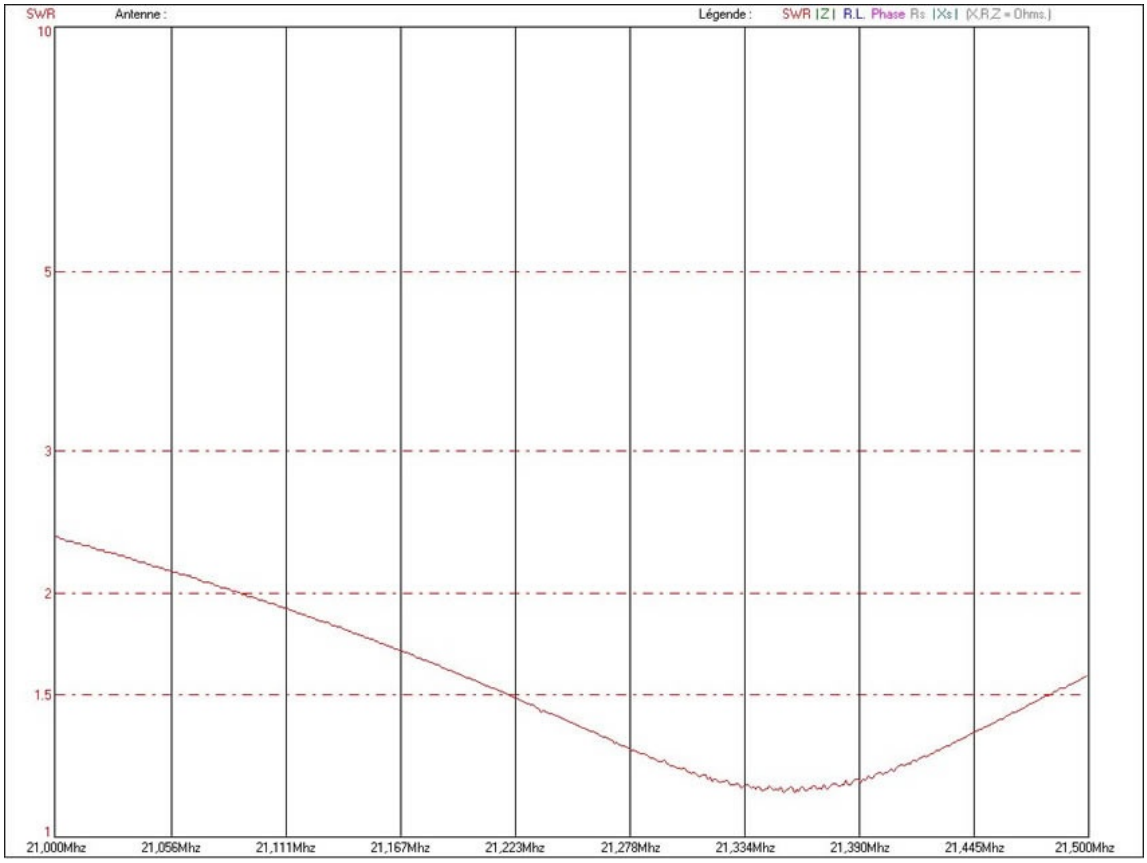
Il faudra essayer de faire le qso de section en 144 MHz hi !!!

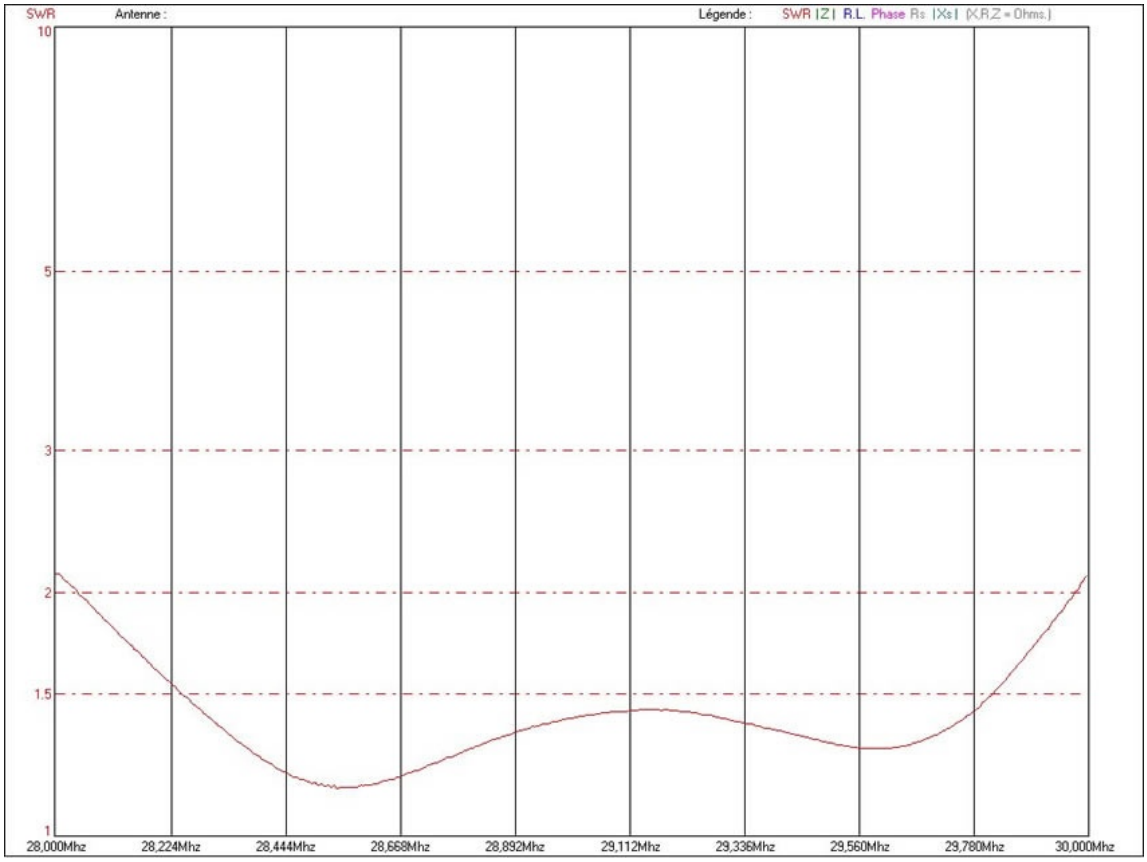


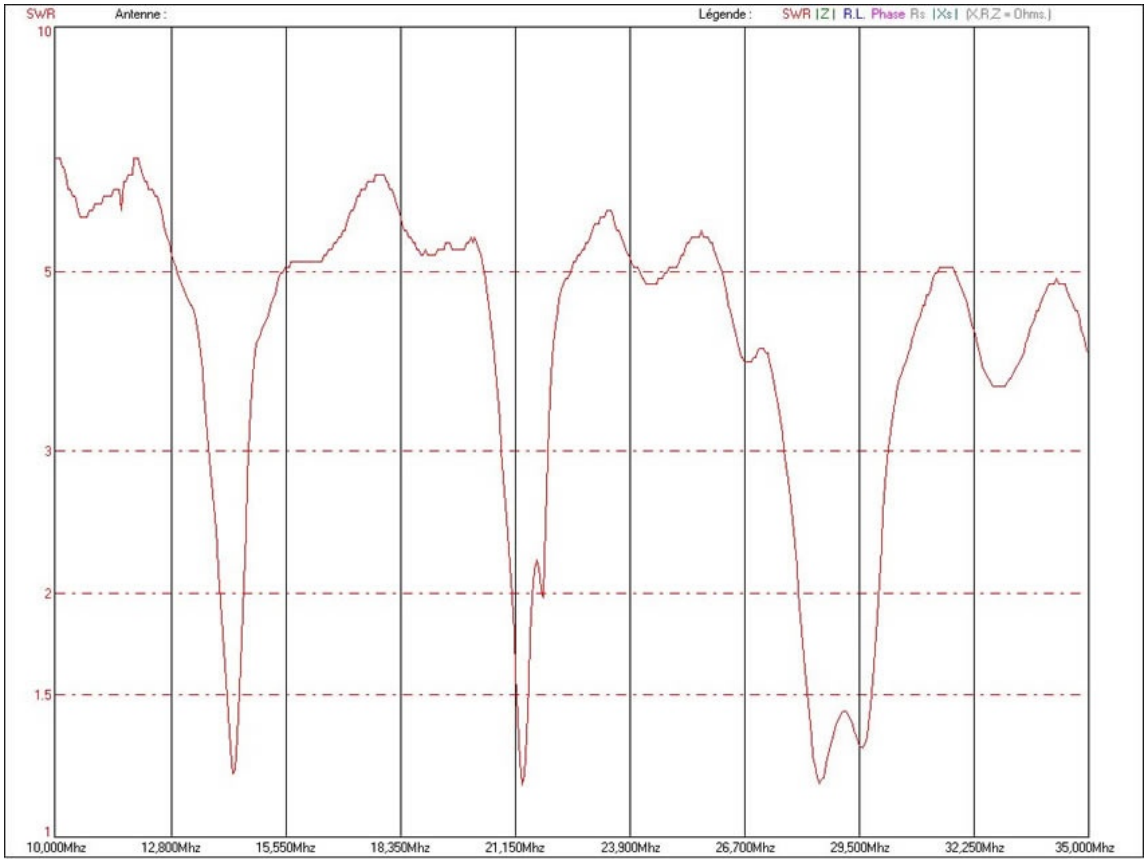
Les résonances de 1 à 30 MHz de la delta loop de 82m

Puis les courbes de la FB33 Fritzel 14, 21, 28MHz :


SWR
Antenne :
Légende : SWR |Z| R.L. Phase Rs |Xs| (X,R,Z = Ohms.)
10
5
3
2
1.5
1
14,000Mhz
14,056Mhz
14,111Mhz
14,167Mhz
14,223Mhz
14,278Mhz
14,334Mhz
14,390Mhz
14,445Mhz
14,500Mhz


SWR
Antenne :
Légende : SWR |Z| R.L. Phase Rs |Xs| (X,R,Z = Ohms.)
10
5
3
2
1.5
1
21,000Mhz
21,056Mhz
21,111Mhz
21,167Mhz
21,223Mhz
21,278Mhz
21,334Mhz
21,390Mhz
21,445Mhz
21,500Mhz





Les résonances de la FB33

(Photos F1OET)