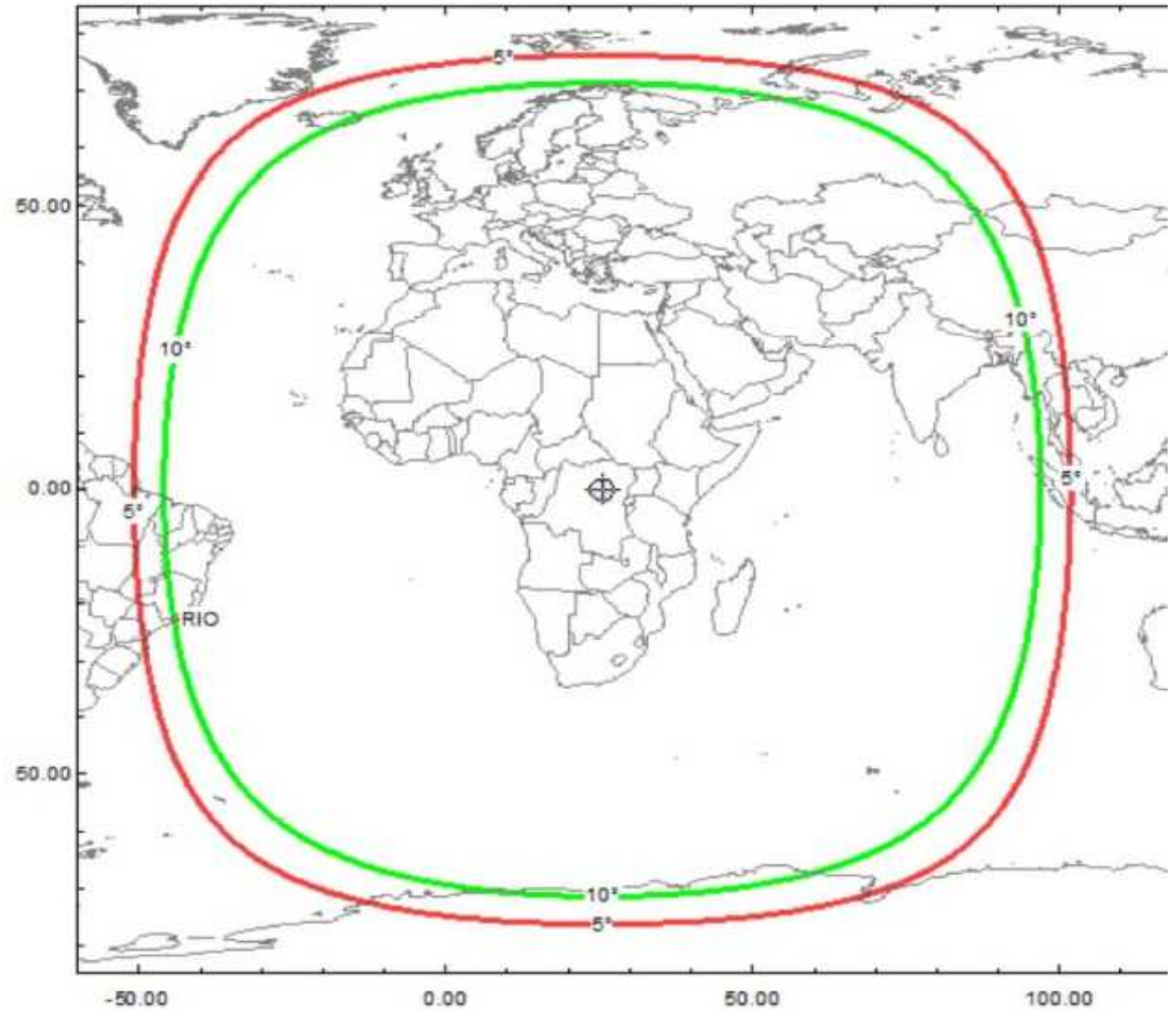
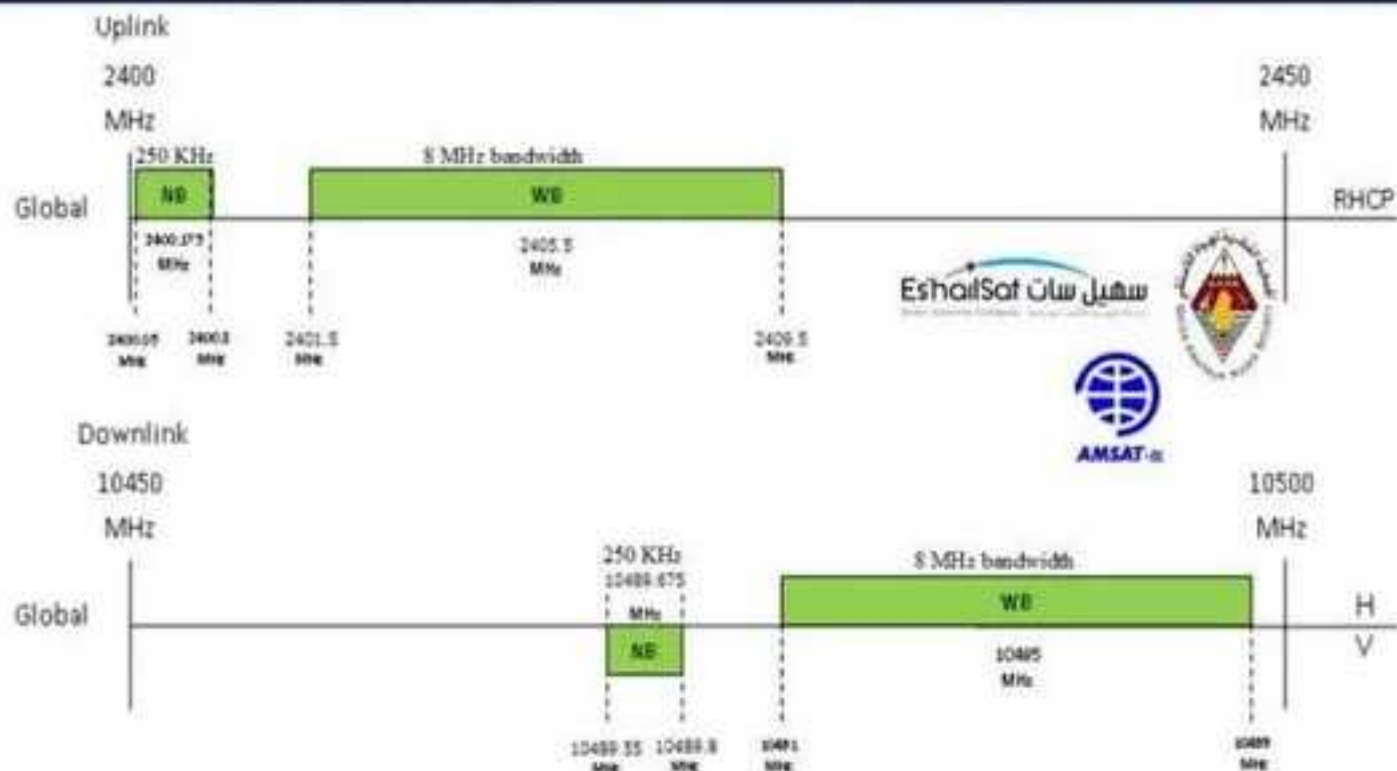


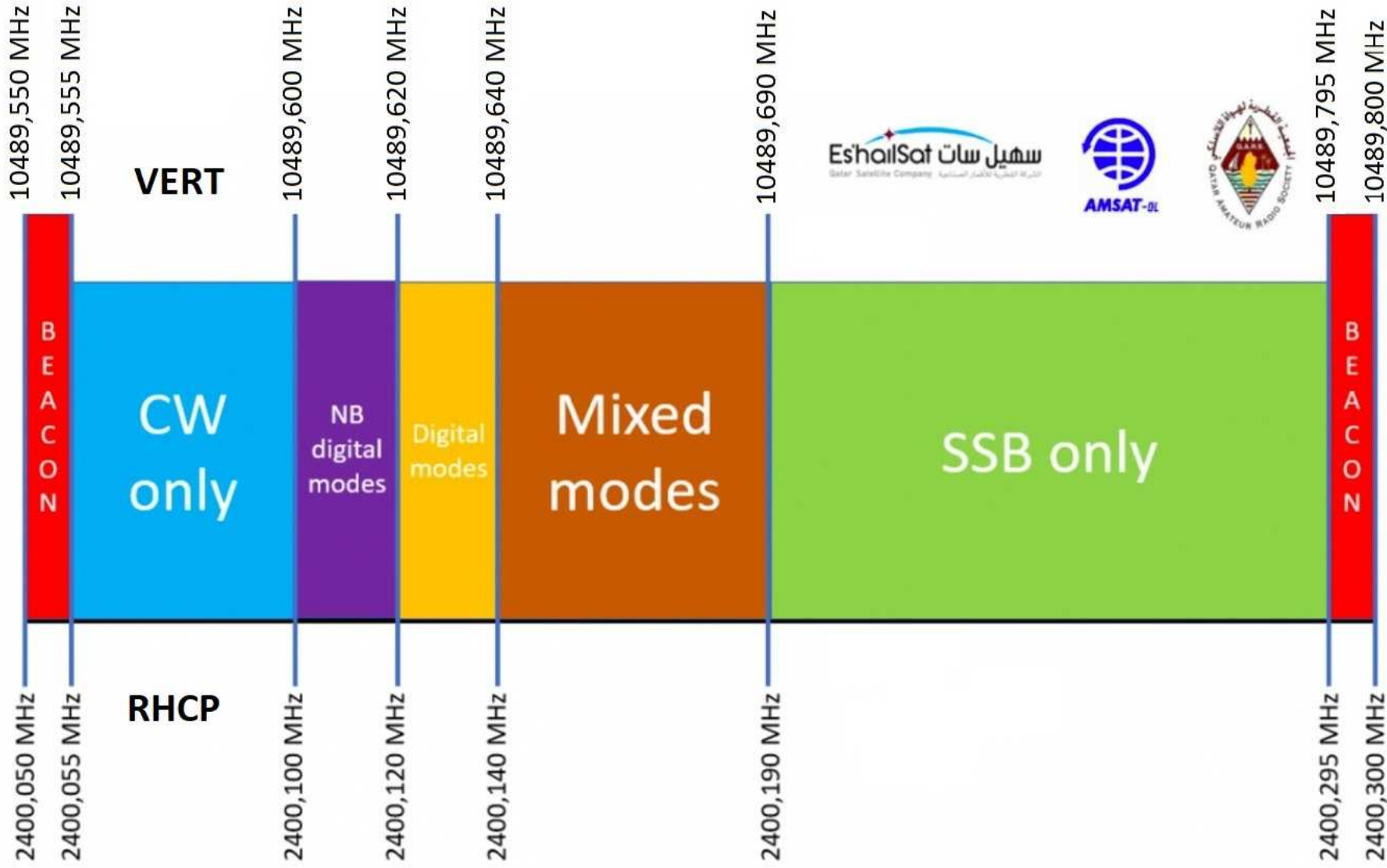
Coverage from orbital position of 26 deg East

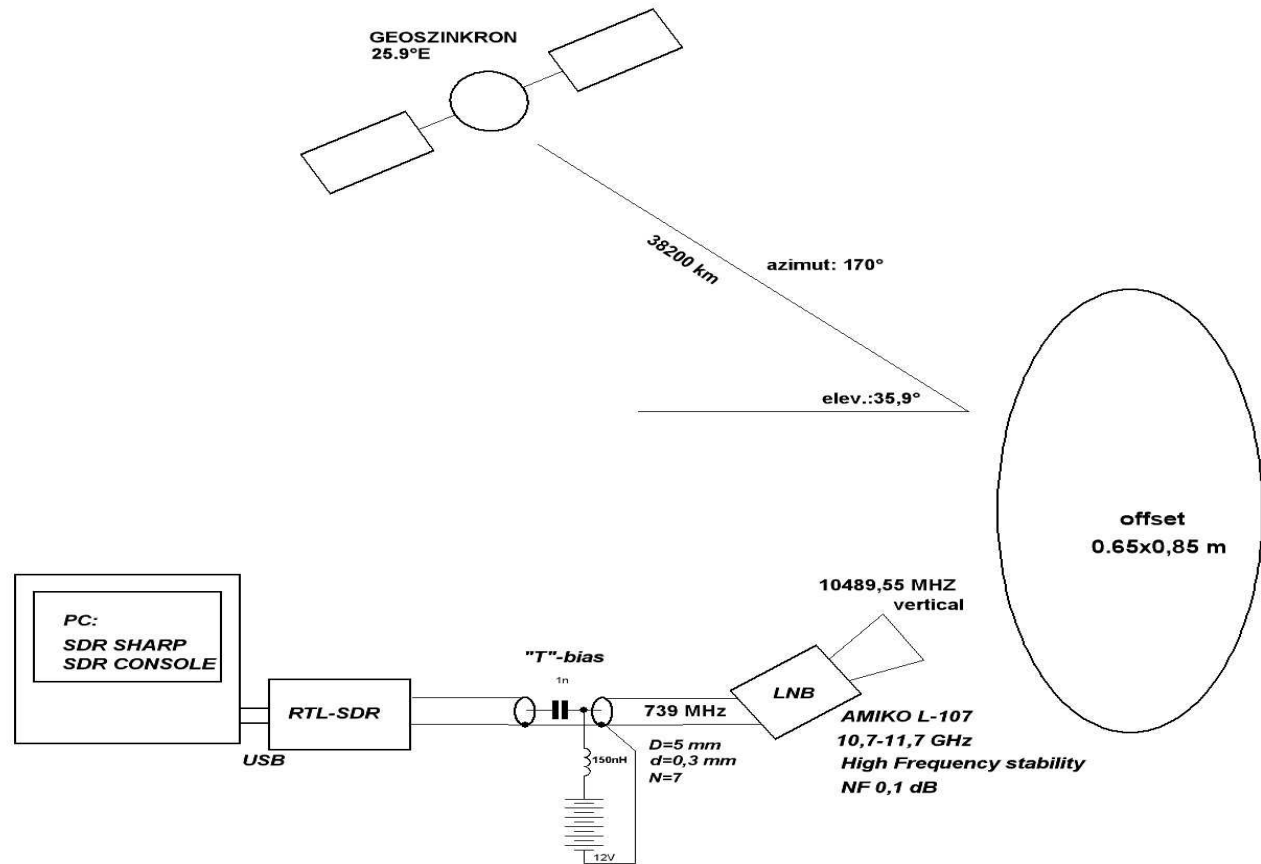
A műhold Zaire fölött áll.
A piros lábnyom a 5°-os a zöld
10°-os emelkedési szöghöz
tartozik.

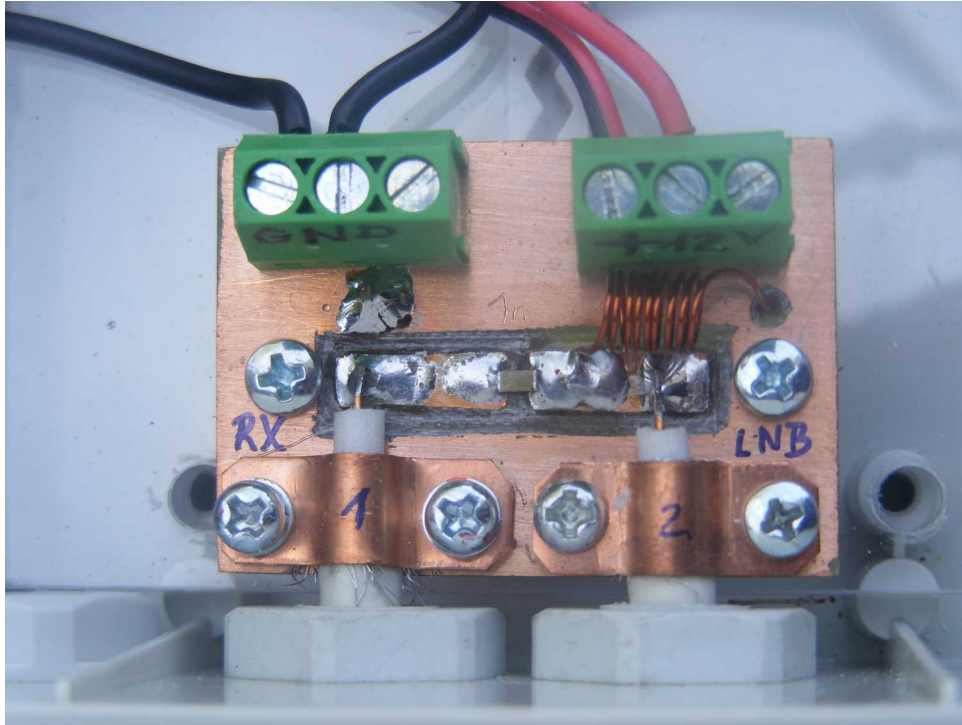




Xpdr	U/L FREQUENCY (MHz)				D/L FREQUENCY (MHz)				LO	BW
No	Pol	Begin	Center	End	Pol	Begin	Center	End	(MHz)	(MHz)
NB	RHCP	2400.05	2400.175	2400.3	V	10489.55	10489.675	10489.8	8089.5	0.25
WB	RHCP	2401.5	2405.5	2409.5	H	10491	10495	10499	8089.5	8

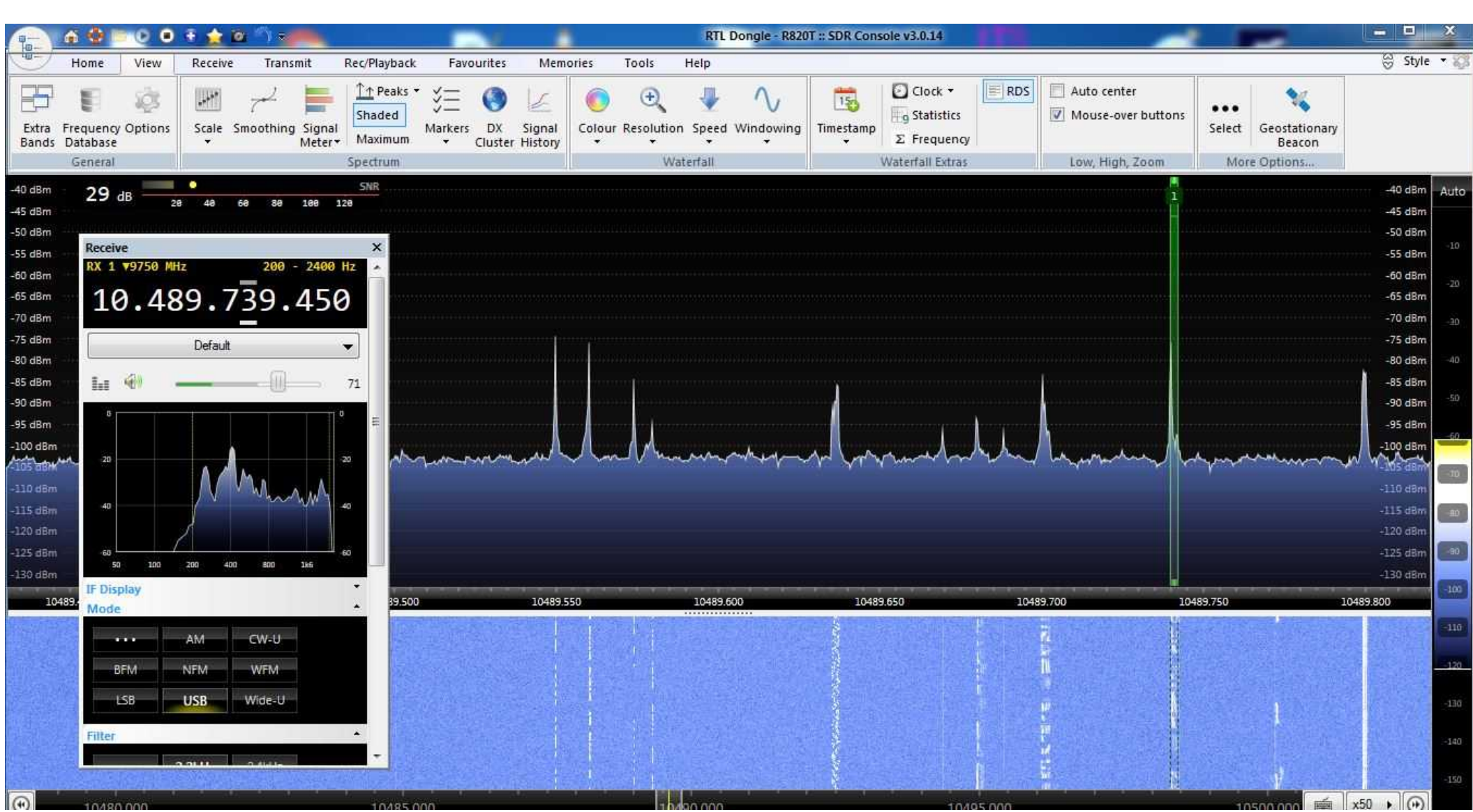


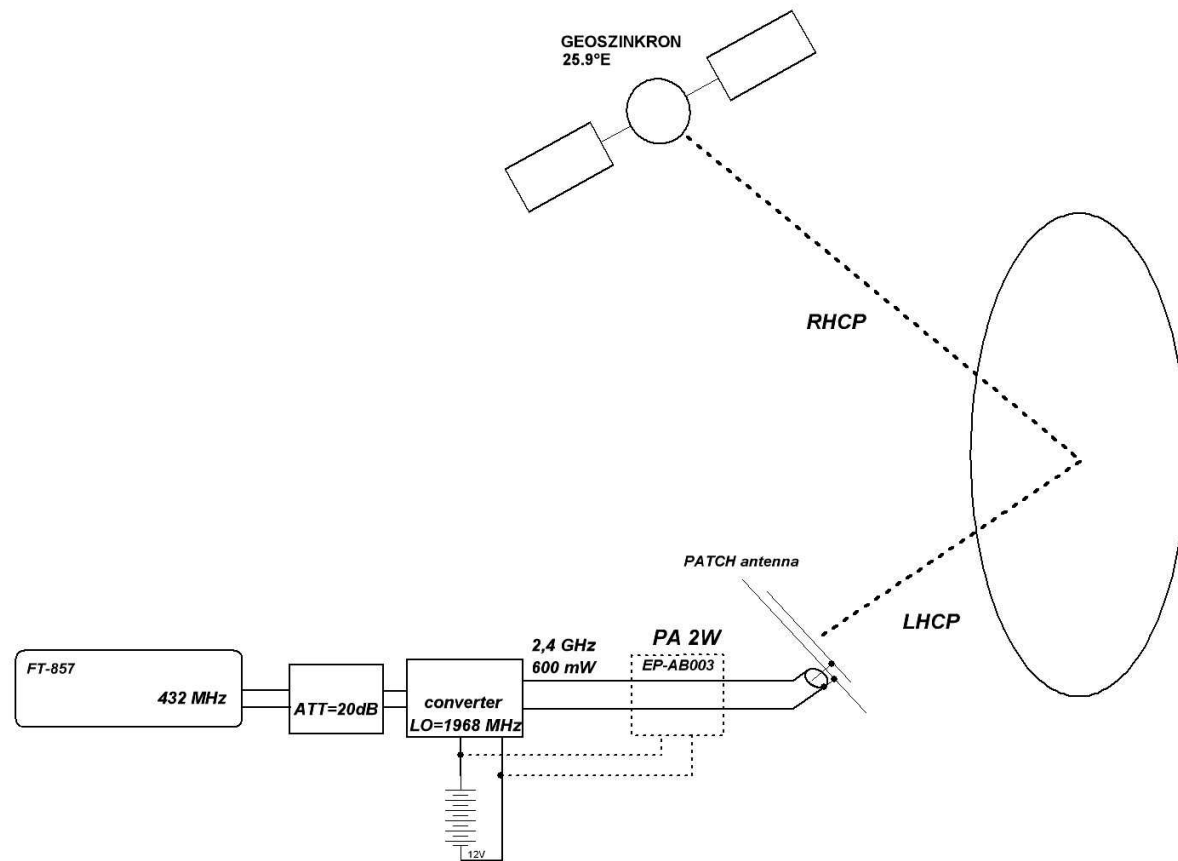




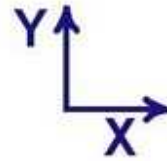
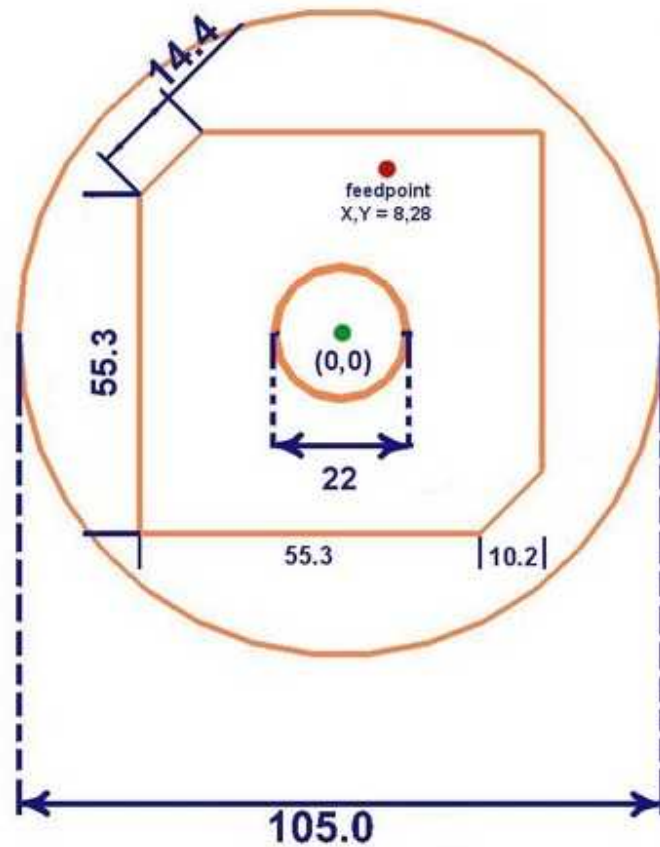
Homemade „bias-
tee”



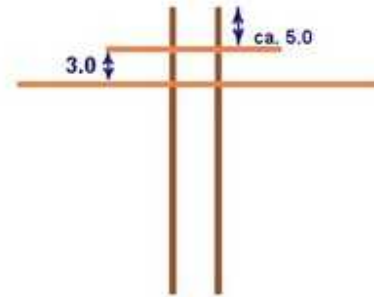






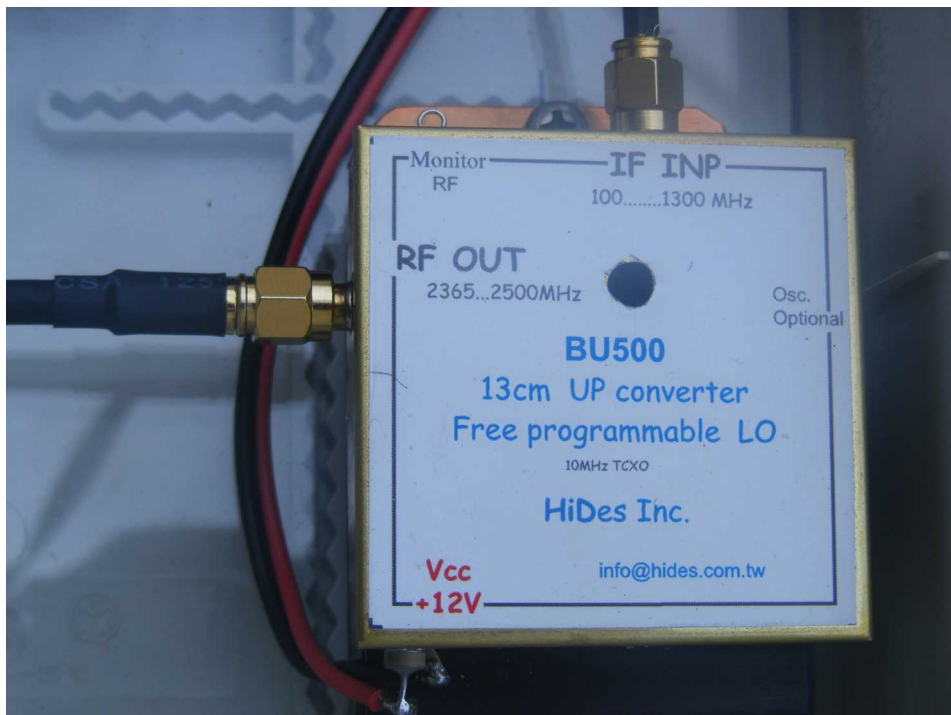


Dimensions in millimeter (mm)

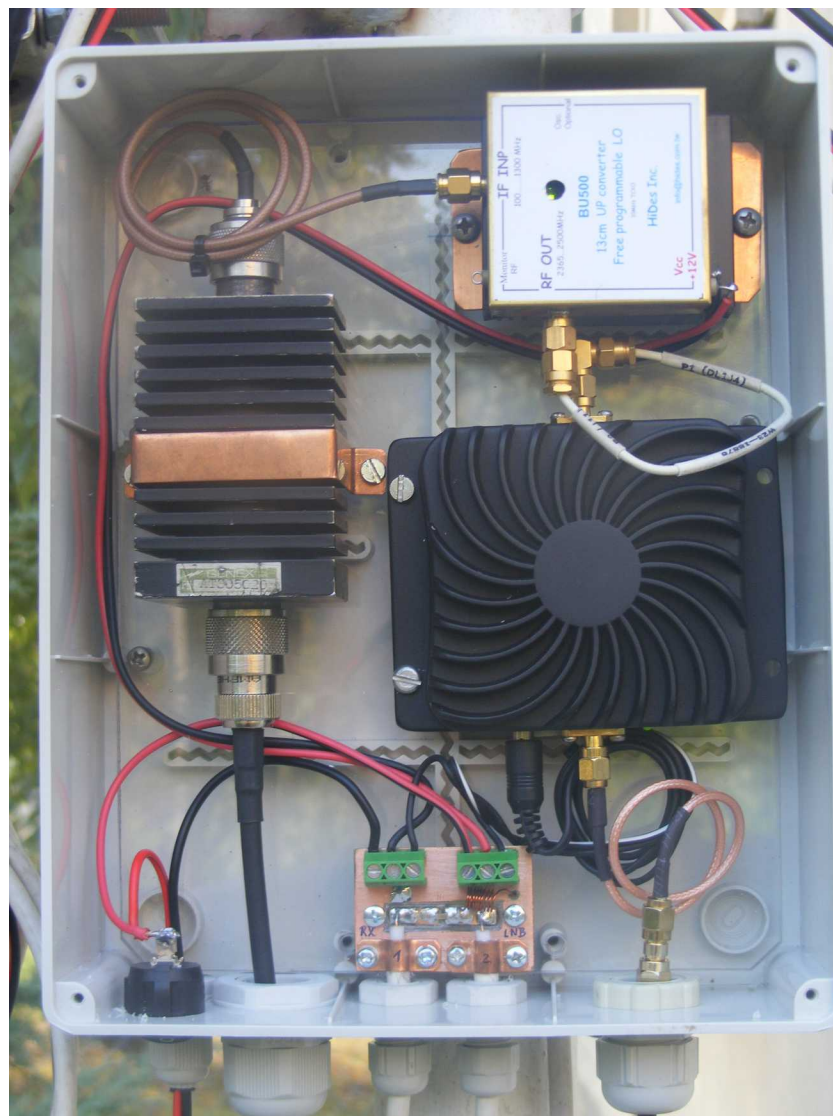


Side view

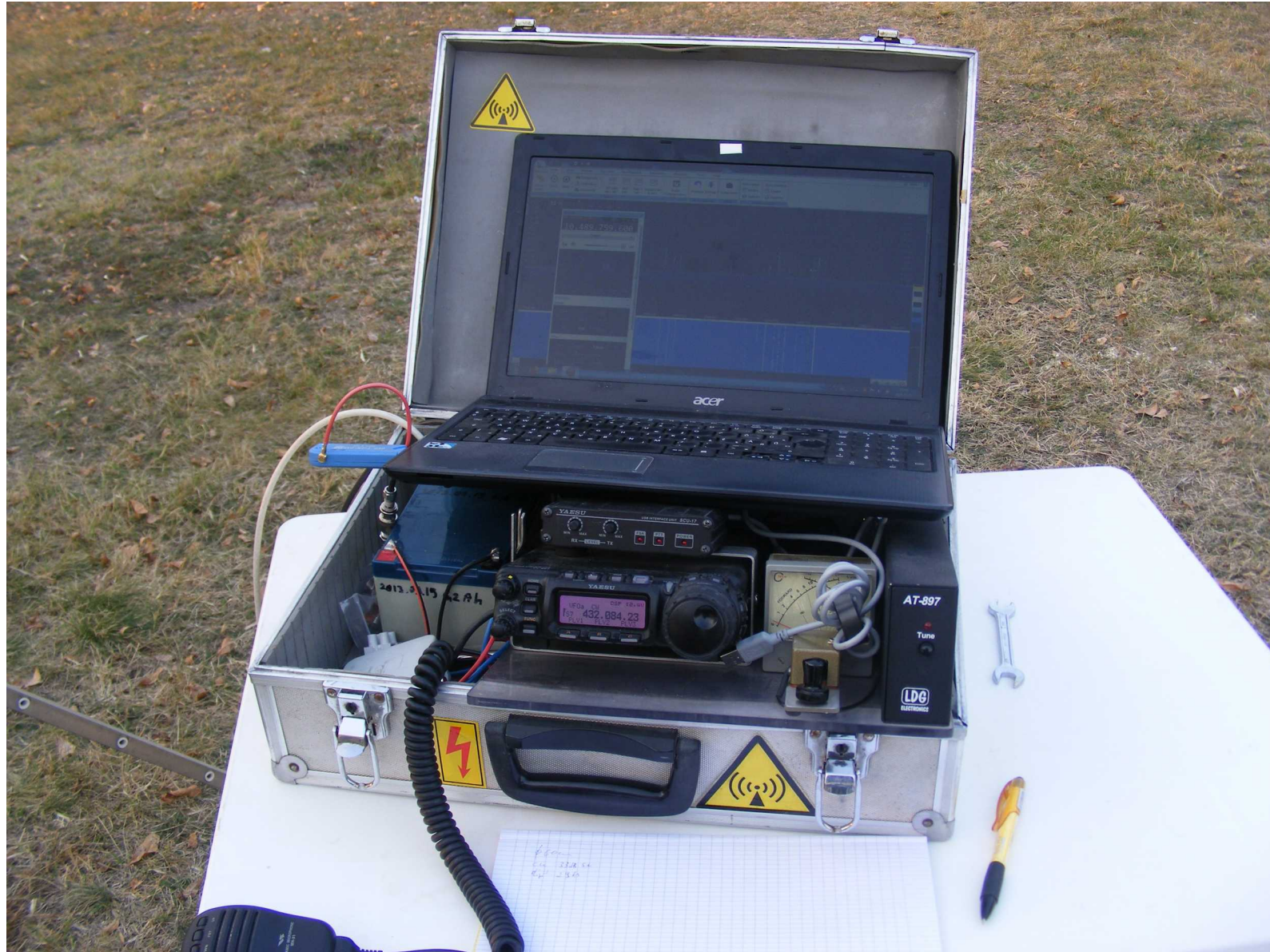
2,4 GHz LHCP patch antenna

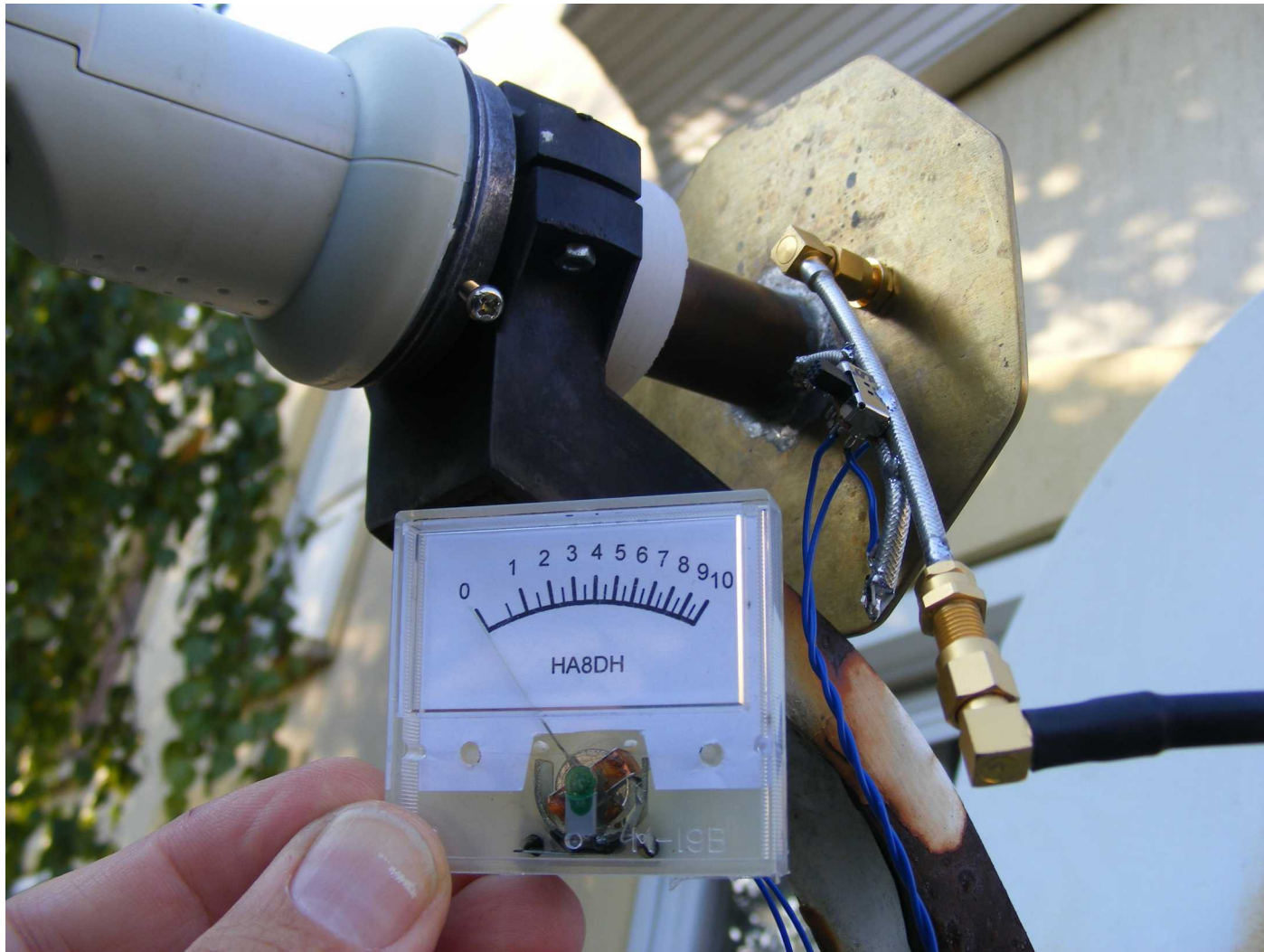


LO=1968 MHz



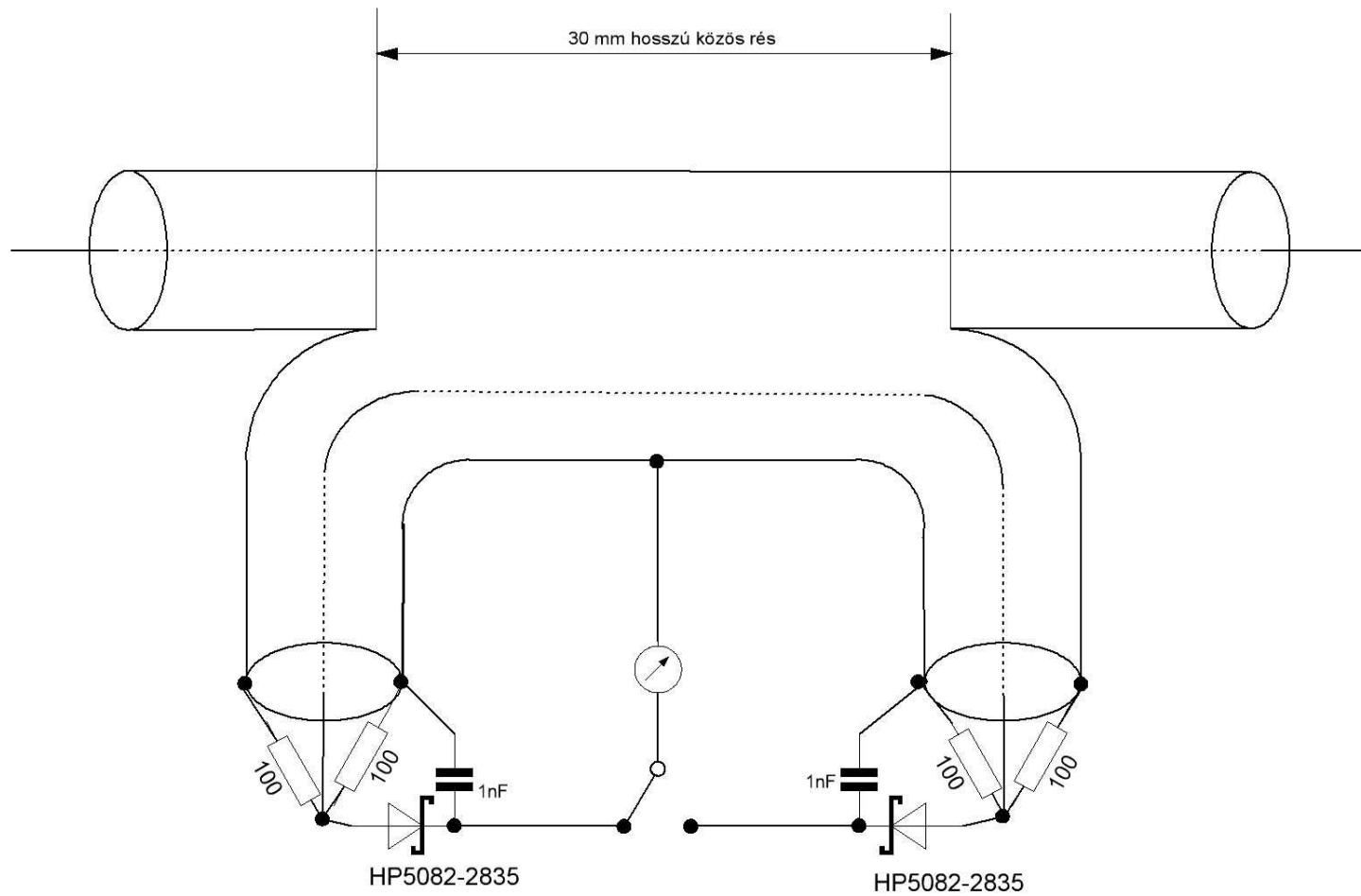




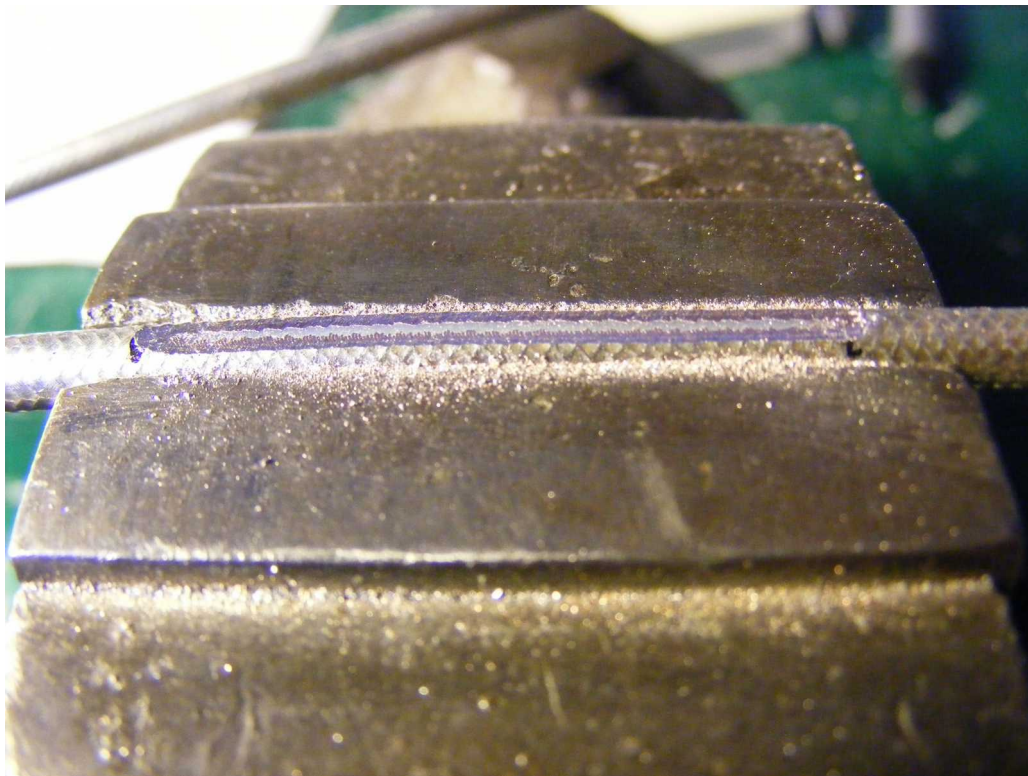
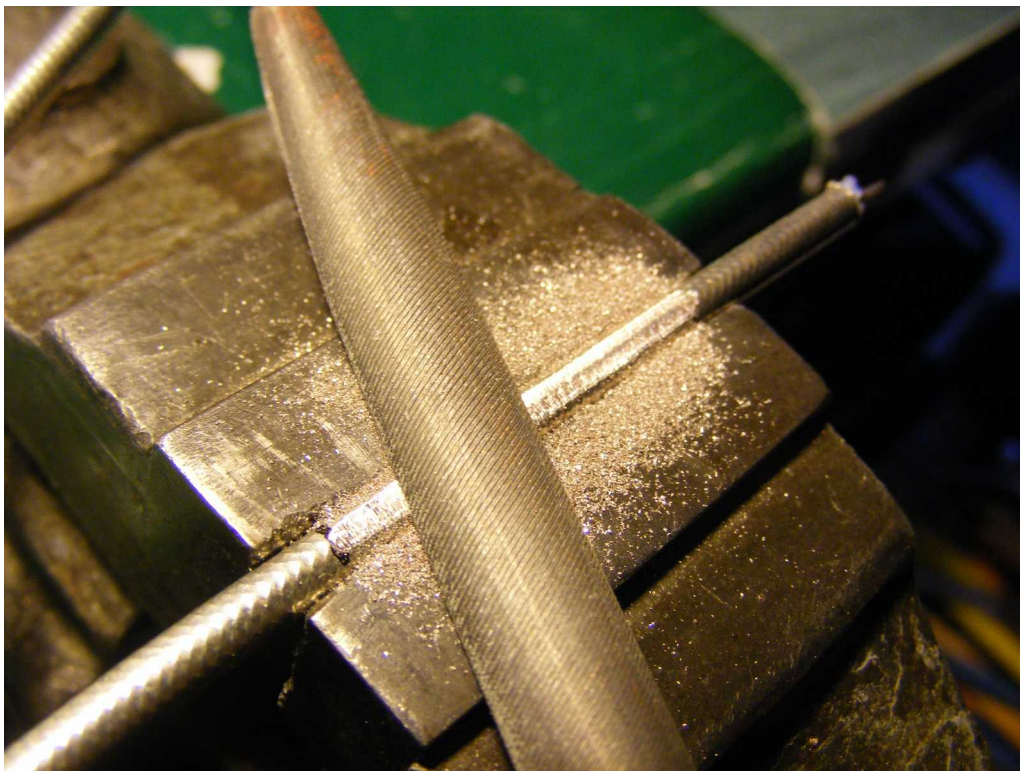


$$\text{SWR} = \frac{U_f + U_r}{U_f - U_r}$$

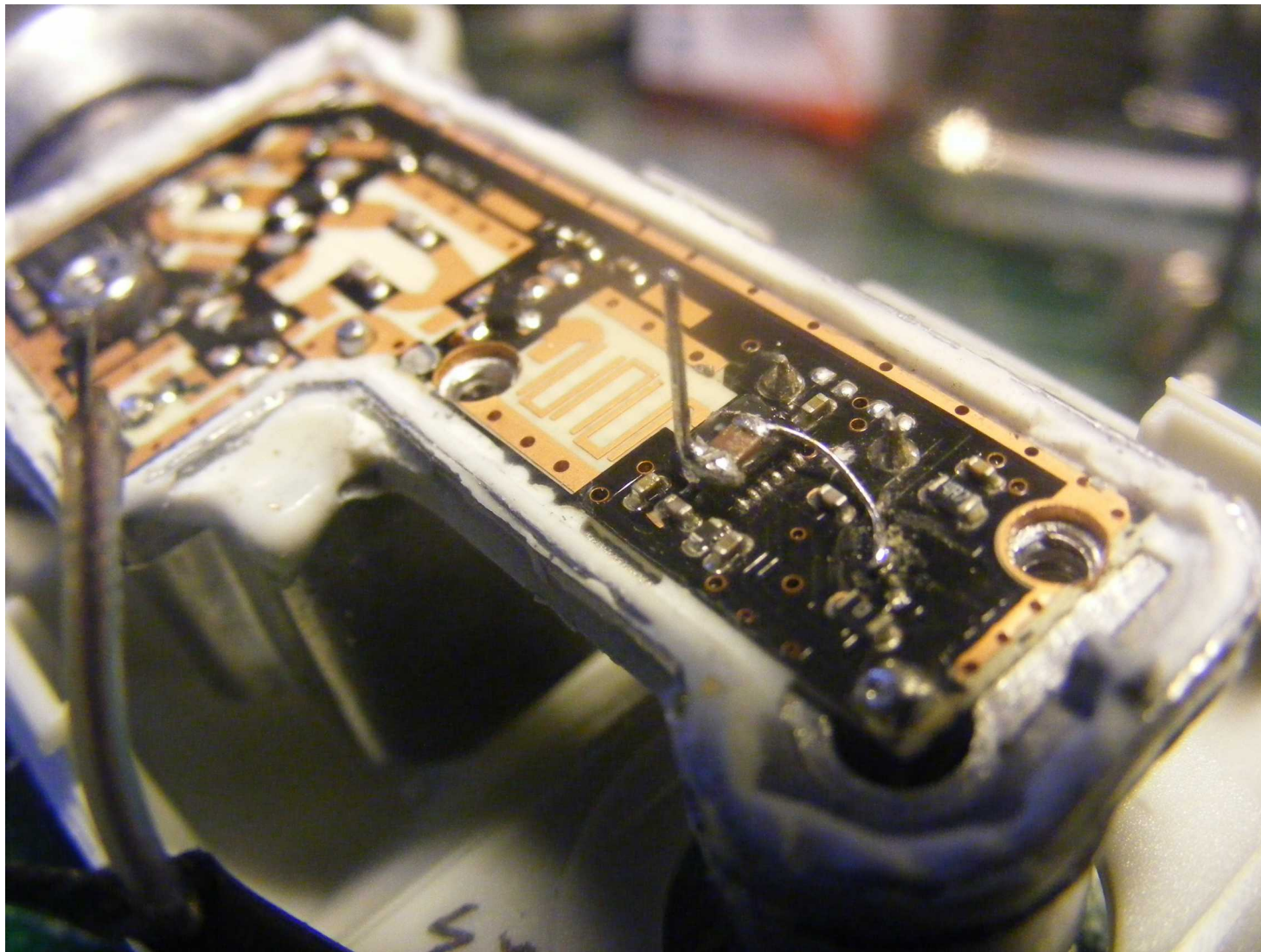




Az SWR mérő kapcsolása



Az SWR-mérő iránycsatolóján és a tápvonalán 30 mm hosszú részt reszeltem.

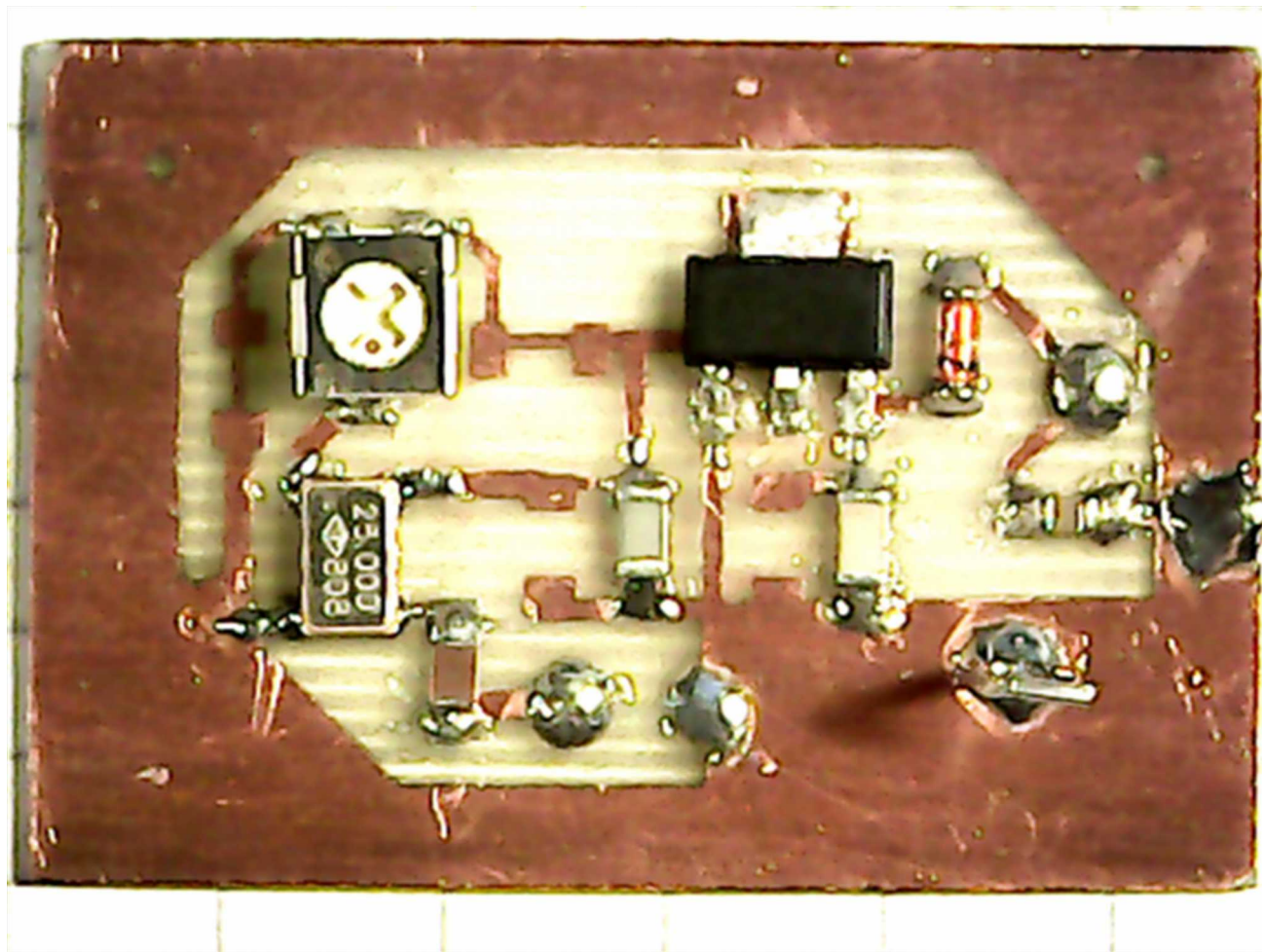


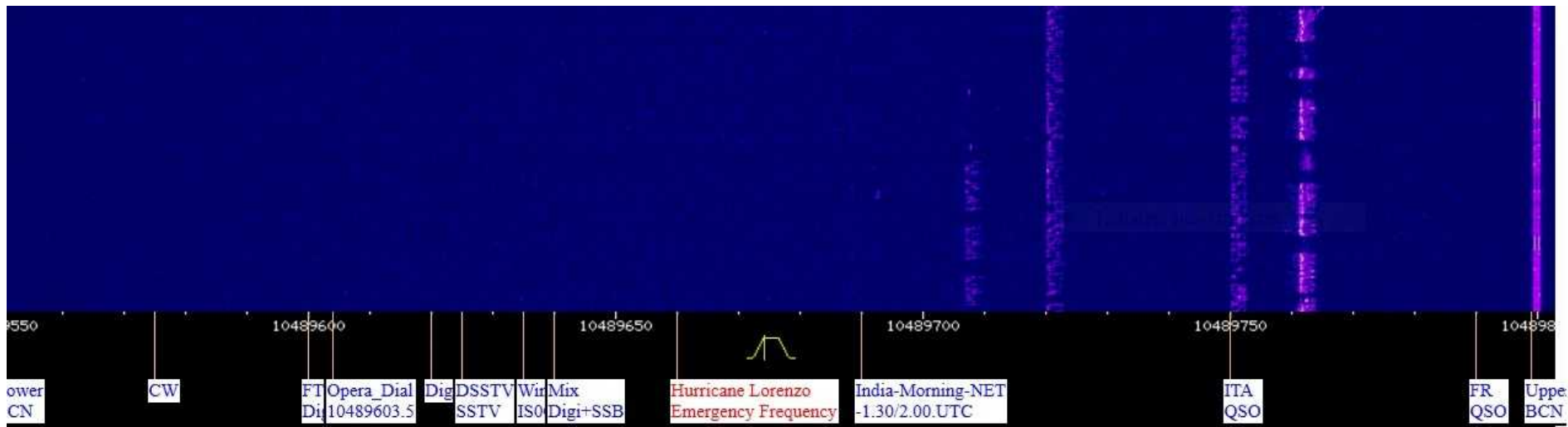
Az LNB-ben a PLL IC-re egy 1 nF-os SMD kondenzátort ragasztottam.

Az LNB-házát
pontosan a
kivezetés felett kell
kifűzni.



TCXO
PANEL





<http://websdr.is0grb.it:8901>

A Lorenzo hurrikán 2019. október 2-án megközelítette meg az Azori szigeteket. Az aktiválódott a helyi rádióamatőr veszélyhelyzeti szolgálat átmenetileg a QO-100 műhold 10489,660 MHz frekvenciáját, veszélyhelyzeti frekvenciának jelölte ki.





Köszönet nyilvánítás:

HA7CD Józsinak a TCXO-ért,
HA5WH Bandinak,
DO1TAM Tamásnak,
HA4BM Bélának,
OE3VMQ Misinek a szakmai segítségért.

Köszönöm a figyelmet!

Hegyi Loránd

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