radioklub ELEKTRON S59ACP

regijska upravna postaja ARON **S 5 0 A B R**

POROČILO REGIJSKE UPRAVNE POSTAJE S50ABR

vaja ARON 15.6.2015

Trg izgnancev 12/a
8250 Brežice
davčna številka: 68518161
http://s59acp.org

radioklub ELEKTRON S59ACP
regijska upravna postaja ARON **S 5 0 A B R**

NAVODILO:

Navodilo za vajo ARON 15.6 2015 ob 20h

Tokratna vaja bo potekala podobno kot zadnjič, ker pa bo uporabljen drug antenski sistem, bo radiogram oddan tudi na 80m bandu.

Vaja bo potekala v treh delih:

1. Sprejem radiograma s programom FLDIGI
Za FLDIGI je na voljo nova različica, zaželjena je nadgradnja.
http://www.w1hkj.com/downloads/fldigi/fldigi-3.22.10_setup.exe
Začetek radiograma ob 20.h.
Tokrat bomo uporabili THOR 16 mode za prvo frekvenco, ki bo 7046 kHz USB.
Ob 20.10h bo QSY na 3596 kHz USB. Mode zamenjamo na THOR 11, s tem dosežemo nekoliko večjo robustnost, ki bo potrebna za previdoma nižji signal na 80m.
Širina signala bo okoli 300hz pri THOR 16 in 200hz pri THOR 11 modu.
To informacijo uporabite tisti, ki boste prilagodili sprejemni filter.
Po končanem delu s FLDIGI filtra ne pozabitie vrniti na 2000hz (za TS-590), kolikor rabi WINMOR 1600.
Oba sprejeta teksta shranimo (copy&paste) v novo tekstovno datoteko, ki jo bomo kot priponko dodali radio emajlu, ali pa jo direktno kopiramo (paste) v RMSExpress email formo.
FLDIGI nato izključimo, da sprosti postajo za winmor način dela!!

2. Posredovanje sprejetega radiograma do S50ARO preko Winlinka sistema s programom RMSExspress, winmor, pactor ali packet način
Pri izbiri frekvenc kjer delujejo Winlink prehodi, svetujem da začnete od višjih proti manjšim, npr. 20m - 80m. Ob tej uri namreč višji bandi še precej dobro delujejo in imate lahko tisti z usmerjenimi antenami dobre linke na 20m. Ura po soncu je takrat šele 19h.
Naša dva prehoda, S50ARO in S57MK imata sedaj na 40m po dve frekvenci, za lažje izogibanje QRMu.
Obvezno si osvežite frekvenčne liste, ker je precej sprememb.

Link ki je slab, počasen je najbolje prekiniti (STOP ali ABORT), ter nato poiskati boljšega. To velja predvsem takrat, kadar moramo oddati večjo datoteko.

Še zanimiva misel ZL digitalnih mojstrov glede lokalnih propagacij na KV:
Od zajtrka do večerje smo na 40m, od večerje do takrat ko gremo v posteljo,
pa na 80m.

3. Sprejem potrditve od S50ARO preko Winlinka
S prejemom potrditvenega sporočila je vaja zaključena.

Za dodatna pojasnila sem dosegljiv na *matjaz.kmet@gmail.com* ali na telefon 041 941 591

Trg izgnancev 12/a
8250 Brežice
davčna številka: 68518161
http://s59acp.org

radioklub ELEKTRON S59ACP

regijska upravna postaja ARON **S 5 0 A B R**

SPREJETO:

7.046 MHz

ARON de S50ARO

ARON de S50ARO

začetek ob 20h.

ARON de S50ARO

pse kkk

ARON vaja 15.6. 2015 ob 20h

QTH Trbovlje JN76ME

PWR 100 w

ANT Windom lenght 78m 160-10m

What is NVIS?

NVIS stands for Near-Vertical Incidence Skywave radio propagation. NVIS is used for short ra°czwd*eelions, that is out to about 200 to 300 miles. The many purposes for NVIS propagation includesb military communications and emergency communications (EMCOMM). Not all ham bands or reliable for NVIS communication. So let us examine the best bands to use, and when.

Which bands should I use?

Remember that Vertical-Incidence Critical Frequency averages between 2 and 13 MHz, so we can eliminate 20m band and all higher bands. 30m is marginal, and 160m requires a huge antenna ,so we can eliminate them as well. That leave h the 80m, 60m, and 40m bands that are traditionally used for reliable NVIS operation.

What time is best for ea_eea nd?

The D Layer exists during the daytime, then fades away after dark. Since the D Layer absorbs radiation in the upper MF and lower HF range,d·e7jd) unreliable for NVIS operation during the daytime. After dark when the D Layer dissipates, 80m becomes reliable. During the daytime 40m is reliable for NVIS operation.,However, it is nat reliable at nighttime.

Trg izgnancev 12/a
8250 Brežice
davčna številka: 68518161
http://s59acp.org

radioklub ELEKTRON S59ACP

regijska upravna postaja ARON **S 5 0 A B R**

What time is best for each band?

There is a lag time between daytime and nighttime, and vice versa, when 80m and 40m can be unreliable. 60m can fill this void. However, it is low power (50 watts PEP) and amateur radio can only use it on a secondary basis. To sum up: Useable NVIS Bands Daytime: 40m is the most reliable Twilight: While the D Layer dissipates, 60m might be reliable Nighttime: 80m is the most reliable Dawn: While the D Layer is forming, 60m might be reliable

3.596 MHz

QSY 3596 kHz

Način THOR 11

Začetek 20.10h

ARON de S50ARO 15.6.2015 20:00 Central Europe Daylight Time

kkk

ARON vaja 15.6. 2015 ob 20h

QTH Trbovlje JN76ME

PWR 100 w

ANT Windom lenght 78m 160-10m

What is NVIS?

NVIS stands for Near-Vertical Incidence Skywave radio propagation. NVIS is used for short ra°czwd*eelions, that is out to about 200 to 300 miles. The many purposes for NVIS propagation includes military communications and emergency communications (EMCOMM). Not all ham bands or reliable for NVIS communication. So let us examine the best bands to use, and when.

Trg izgnancev 12/a
8250 Brežice
davčna številka: 68518161
http://s59acp.org

radioklub ELEKTRON S59ACP

regijska upravna postaja ARON **S 5 0 A B R**

Which bands should I use?

Remember that Vertical-Incidence Critical Frequency averages between 2 and 13 MHz, so we can eliminate 20m band and all higher bands. 30m is marginal, and 160m requires a huge antenna , so we can eliminate them as well. That leave h the 80m, 60m, and 40m bands that are traditionally used for reliable NVIS operation.

What time is best for ea_eea nd?

The D Layer exists during the daytime, then fades away after dark. Since the D Layer absorbs radiation in the upper MF and lower HF range,d·e7jd) unreliable for NVIS operation during the daytime. After dark when the D Layer dissipates, 80m becomes mreliable. During the daytime 40m is reliable for NVIS peration. However, it is nat reliable at nighttime.

What time is best for each band?

There is a lag time between daytime and nighttime, and vice versa, when 80m and 40m can be unreliable. 60m can fill this void. However, it is low power (50 watts PEP) and amateur radio can only use it on a secondary basis. To sum up: Useable NVIS Bands Daytime: 40m is the most reliable Twilight: While the D Layer dissipates, 60m might be reliable Nighttime: 80m is the most reliable Dawn: While the D Layer is forming, 60m might be reliable

QSY 3596 kHz

Način THOR 11

Začetek 20.10h

ARON de S50ARO 15.6.2015 20:00 Central Europe Daylight Time

Kkk

Pripravil Matjaž, S57MK

73

ARON de S50ARO 15.6.2015 20:10 Central Europe Daylight Time

SK ..

Trg izgnancev 12/a
8250 Brežice
davčna številka: 68518161
http://s59acp.org

radioklub ELEKTRON S59ACP

regijska upravna postaja ARON **S 5 0 A B R**

POSLANO SPOROČILO:

*** WINMOR 1600 connect from S50ABR on 14113,00 KHz at 2015-06-15 18:23 UTC **********
RMS Trimode 1.3.3.0
S50ABR has 119 minutes remaining with S56IPS
[WL2K-3.0-B2FWIHJM$]
Halifax CMS via S56IPS >
;FW: S50ABR
[RMS Express-1.3.3.0-B2FHM$]
; S56IPS DE S50ABR (JN75TV)
FC EM KYTMHFGYBMIX 9846 4050 0
F> C1
FS Y
[Transferring binary data to CMS]
FF
FQ
*** Disconnected from S50ABR, CMS link ended.
--Connection Summary-- 2015-06-15 18:25:57 Mode: WINMOR16 Bytes Confirmed Sent: 120 Bytes To CMS: 4222 Peak Bytes Per Min: 4285 Last Command: FQ Session Time: 2,5 min
*** Active WINMOR Channels reported to WL2K data base 2015-06-15 19:00:12
*** Solar flux index via Internet {SFI = 132 on 2015-06-15 20:00 UTC}

POTRDITEV SPOROČILA:

Message ID: MT53A3RECBZL

Date: 2015/06/15 18:35

From: S50ARO

To: S50ABR

Source: WEBMAIL

Subject: Potrditev ARON junij 2015

QSL & 73 de S50ARO

ANALIZA / PREDLOGI:

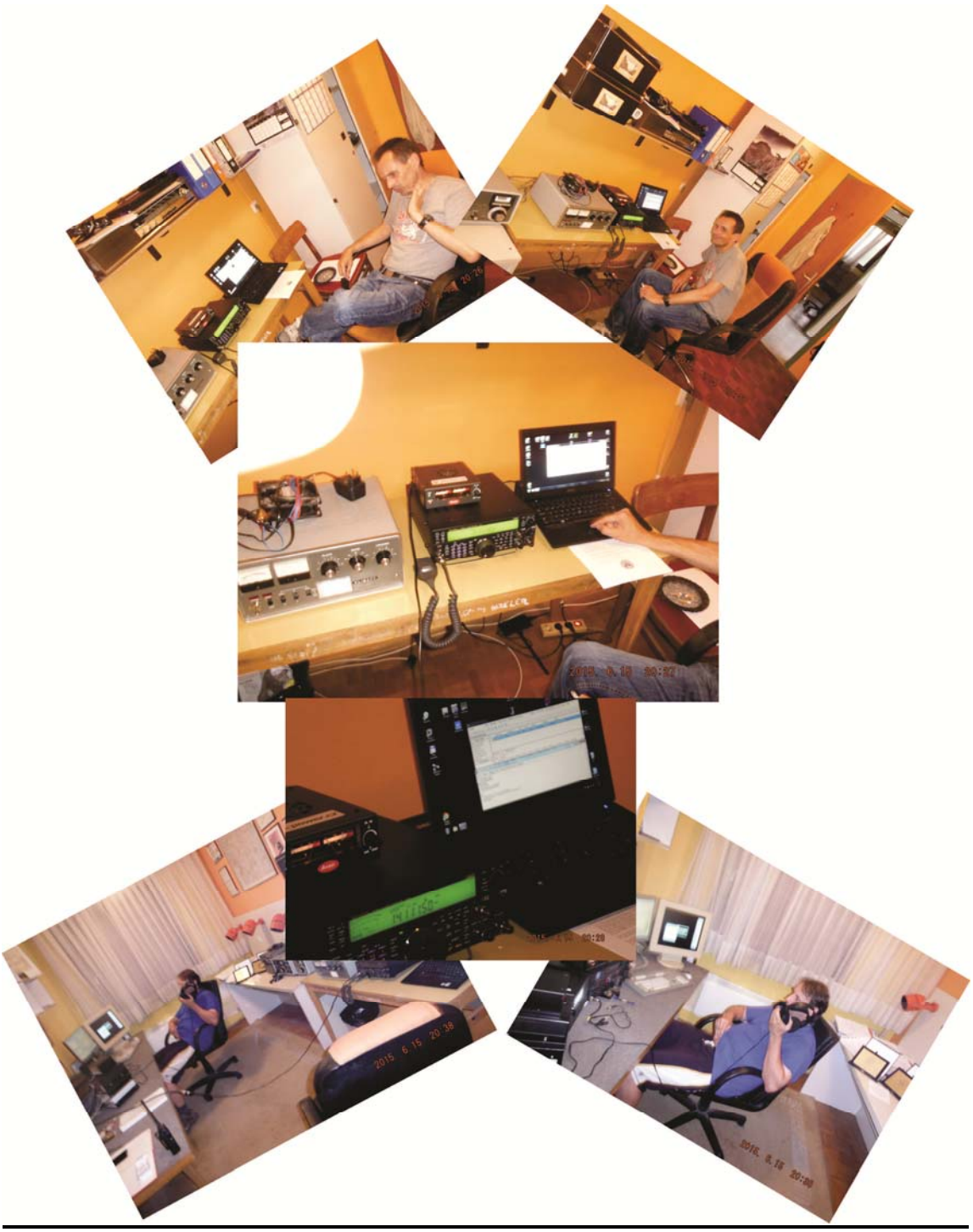
Razmere na bandu veliko boljše kot prejšnjič, pošiljanje radiograma na 7 in 3,5 MHz se je čepo obneslo…
Pošiljanje e-mail sporočila z WinLinkom ni omejeno le na prehod S52MK-10…
Uporabniki naj poskusijo tudi druge prehode na drugih frekvenčnih območjih.
Povzetek – vaja uspela, ekipe že kar poznajo tovrsten način dela, še nekajkrat ponovimo potem pa kondiciranje…hi
Mogoče naslednjič vključite še kakšno slikico,,,

Trg izgnancev 12/a
8250 Brežice
davčna številka: 68518161
http://s59acp.org

radioklub ELEKTRON S59ACP

regijska upravna postaja ARON **S 5 0 A B R**

SLIKE:



Trg izgnancev 12/a
8250 Brežice
davčna številka: 68518161
http://s59acp.org

radioklub ELEKTRON S59ACP
regijska upravna postaja ARON **S 5 0 A B R**

p.s.:

Matjaz Kmet
Za ekipe-aron

Pozdravljeni!

Vaja se je začela po načrtu ob 20h z radiogramom na 40m, ki
mu je sledil še en na 80m,konec pošiljanja pa je bil okoli 20.17h.
Sodelujoče ekipe so poslale sprejeti radiogram preko Winlinka na upravno postajo S50ARO.
Časovni vrstni red:

S50ACE 20.22h
S50ABR 20.23h
S50AKR 20.23h
S50APT 20.25h
S50AMB 20.25h
S50ATR 20.25h
S50ALJ 20.26h
S50AMS 20.27h
S55SM 20.28h
S50ANM 20.29h
S50ANG 20.29h
S50APO 20.29h
S58OW 20.32h
S50ASG 20.34h
S57AF 20.35h
S56AW 20.43h

S tem je bil glavni del naloge opravljen. Sledil je potrditveni del spet preko Winlinka, ki pa se je zaradi zasedenosti Winlink postaj in medsebojnega QRM-ja kar zavlekel :-)
V bodoče priporočam veliko več poslušanja, da no bomo napoti sebi in drugim uporabnikom frekvenčnega spektra.
Vsem ekipam čestitam za uspešno opravljeno nalogo!

73
Matjaž, S57MK

Trg izgnancev 12/a
8250 Brežice
davčna številka: 68518161
http://s59acp.org