PA3DZL

MULTIBAND EME OP 8 VERSCHILLENDE BANDEN

VANAF 1986 TOT NU ….

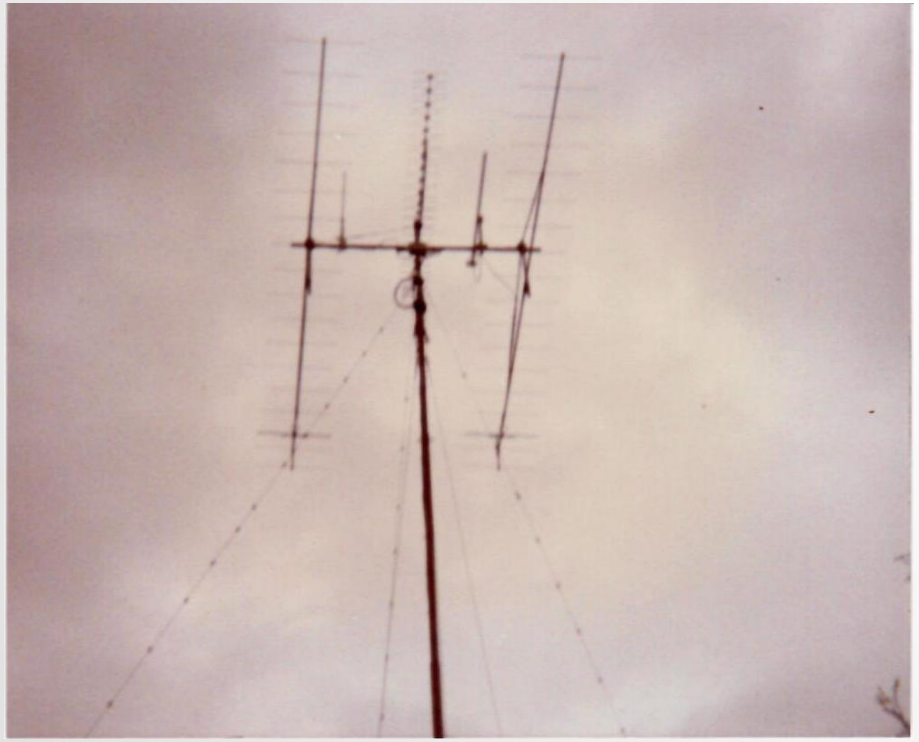
TIJDELIJK QRT JUNI 1992 TOT SEPT. 1999

2m
2m
2m

2M EME (1986)

2 X 19 EL. CC + 5° EL (1)

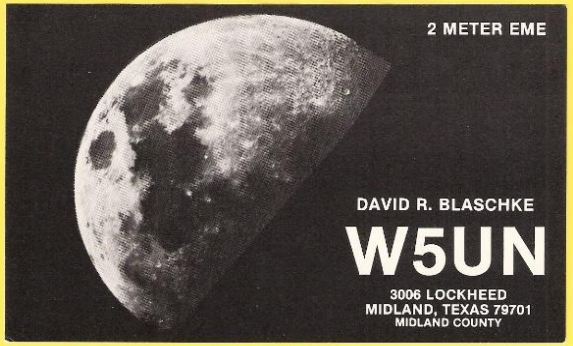
MAART 1986 – MAART 1987 : # 17 – 30 QSO'S

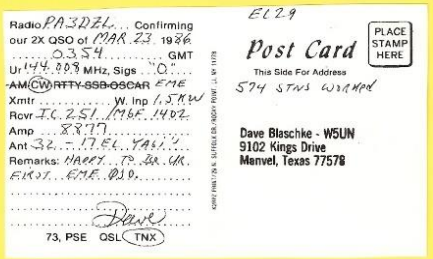


PA3DZL 144 Mhz EME
Mijn eerste EME verbinding met W5UN

Verbinding met W5UN gemaakt op:
23-03-1986 om 03.54 UTC "O" / "rO"

Mijn station destijds (zie foto):
***2 x 19el. CC Boomers vaste el. 5°**
***CFY13 preamp ca. 0.6dB NF a/d ant.**
***4CX250R ca. 400 Watt output**

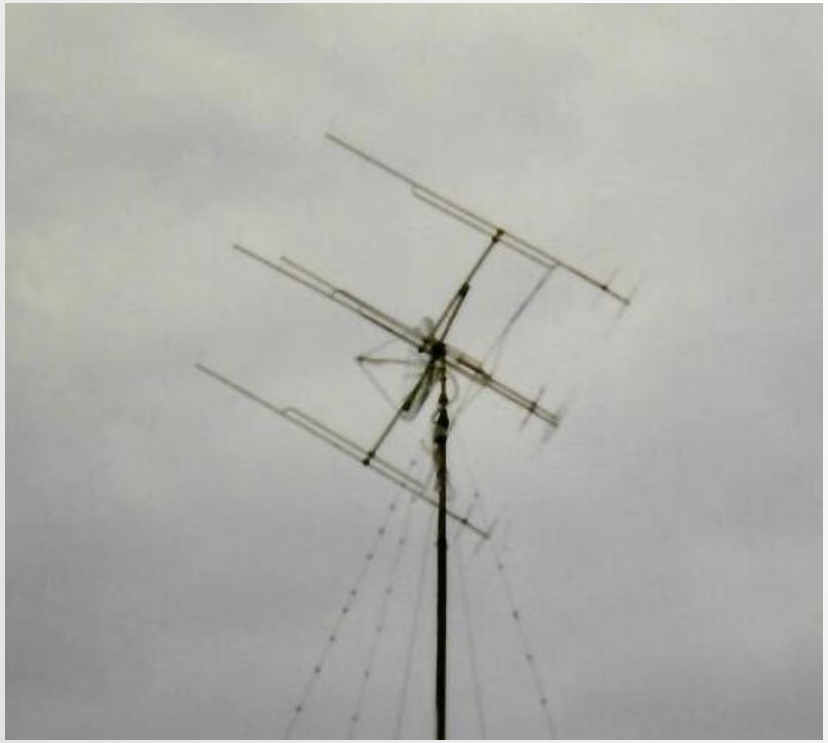




2M EME

4 X 13 EL. DL6WU + EL (2)

MAART 1987 – DEC 1989 : # 43 – 115 QSO'S



NA EEN ZWARE STORM BEGIN 1990

2M EME

BOUW H-FRAME

6 X 17 EL. 3.6L YAGIS (3)

MAART 1991 – JAN. 1992 : # 141 – 308 QSO'S

2M EME

4 X 17 EL. 3.6L YAGIS (4)

SEPT. 1999 – JUNI 2007 : # 196 – 473 QSO'S
OKT. 2003 1E DIGITALE QSO IN JT44
CW 251, SSB 2 EN DIGITAAL 220 QSO'S

1 X M2 18XXX 5.3L YAGI (5)

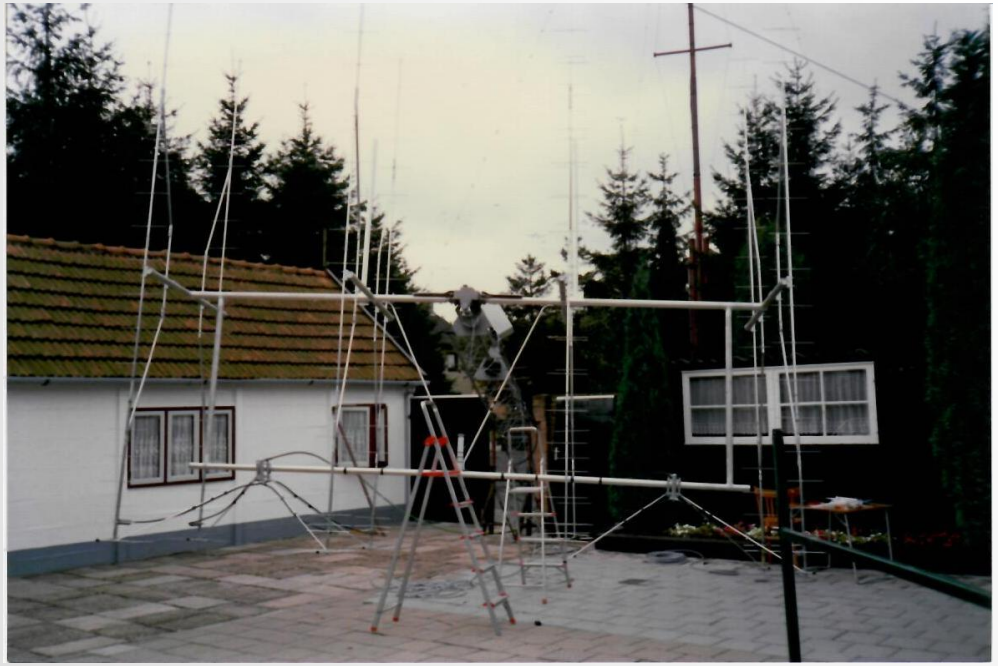
SEPT. 2017 : # 13 – 19 QSO'S
ALLE DIGITAAL JT65

 # 411, 948 QSO'S, 88 DXCC, WAC

70cm
70cm
70cm

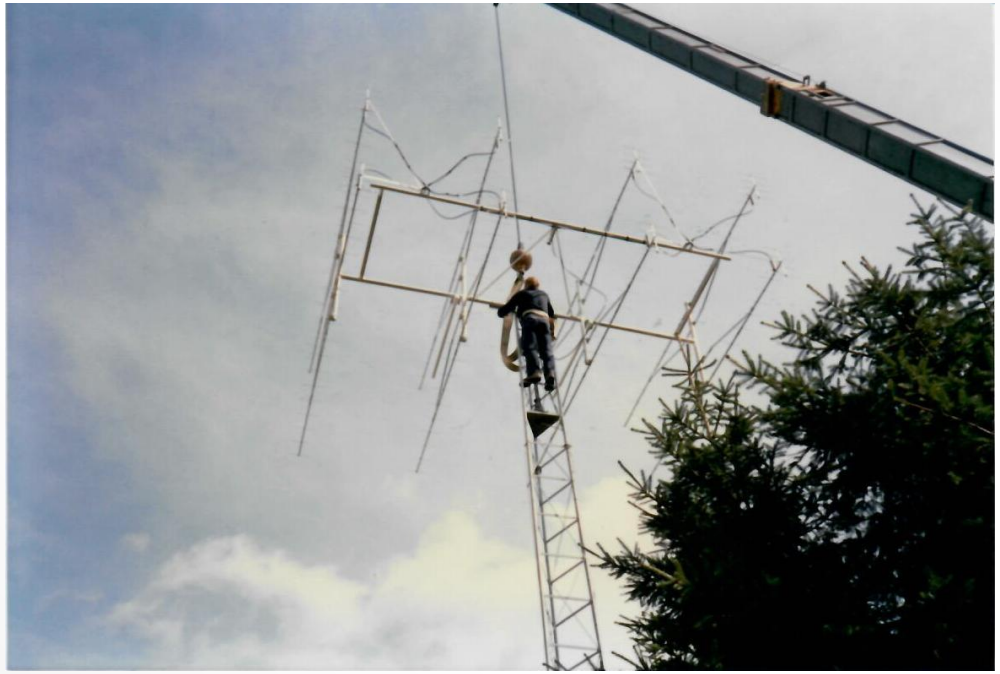
70CM EME (1987)

OPBOUW FRAME EN YAGIS (1)



8 X 24 EL. 6.6L MOD. YAGIS (1)

SEPT. 1987 – MAART 1992 : # 119 – 295 QSO'S
CW 292 EN 3 SSB QSO'S



70CM EME

1E QSO

RANDOM JAN DL9KR RIEP MIJ AAN TIJDENS ECHO TESTS ☺

To PA3DZL

Pleasant surprise to interrupt
your echo tests and make our
first 70cm EME QSO on Sep-12-87
at 2028 UT 432,012 MHZ RST 549.

My locator: JO40de
Ant: 16x20 el DL9KR, open wire
feed & phasing
RX: NE75083 front end
TX: 1,5 KW RF at antenna out of
YL1050 cavity amp.

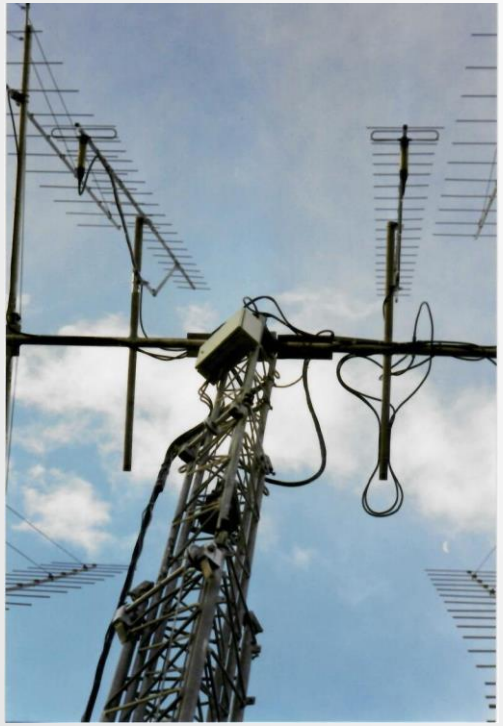
Heard you various times during
the weekend and always with
good signals! Good first show.
Bcnu often & 73,

Jan
DL9KR

70CM EME

2 X 21 EL. F9FT (2)

OKT. 1999 – FEBR. 2005 : # 13 – 47 QSO'S
CW 43 EN DIGITAAL 4 QSO'S



1 X 38EL. M2 13L YAGI (3)

SPECIAAL VOOR ARECIBO
APRIL 2010 : CW 1 EN DIGITAAL 2 QSO'S

70CM EME

BOUW VAN 4 YAGI ARRAY HEEFT VERTRAGING ☺

4 X 38EL. 13L M2 YAGIS (4)

AUG. 2010 – JAN. 2013 : # 78 – 199 QSO'S
CW 59, SSB 1 EN DIGITAAL 139 QSO'S

70CM EME

3.7M SCHOTEL MET PATCH FEED (5)

MEI 2017 TOT NU: # 8 – 21 QSO'S
DIGITAAL 21 QSO'S IN JT65

 # 224, 580 QSO'S, 63 DXCC, WAC

H + V SCHAKELAAR ☺

23cm
23cm
23cm

23CM EME: SIMON STEVIN HOEVEN (1990)

WURZBURG-RIESE 7.5M F/D 0.23 !!

WATERGEKOELDE PA 2 X 2C39BA – DRIVER 1 X 2C39BA

PREAMP MGF1400 NF 0.7DB - HANDMATIGE TRACKING

BELICHTEN VAN DE PARABOOL MET VE4MA FEED, MOEILIJK!

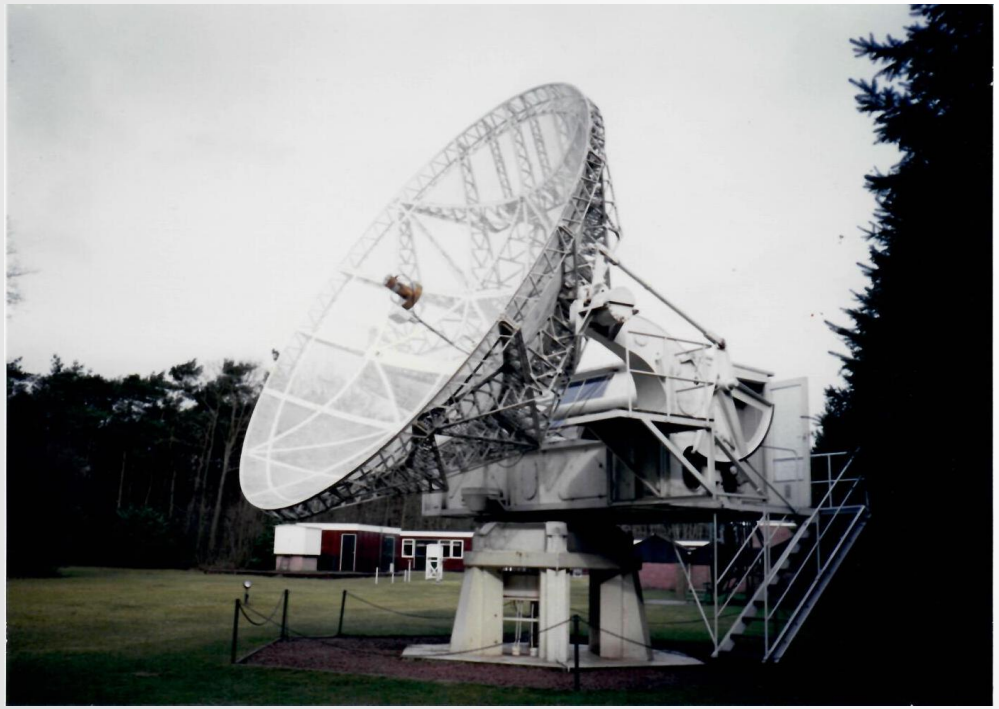
IN 2011 NAAR MUSEUM VAN VLIEGBASIS DEELEN ARNHEM GEGAAN

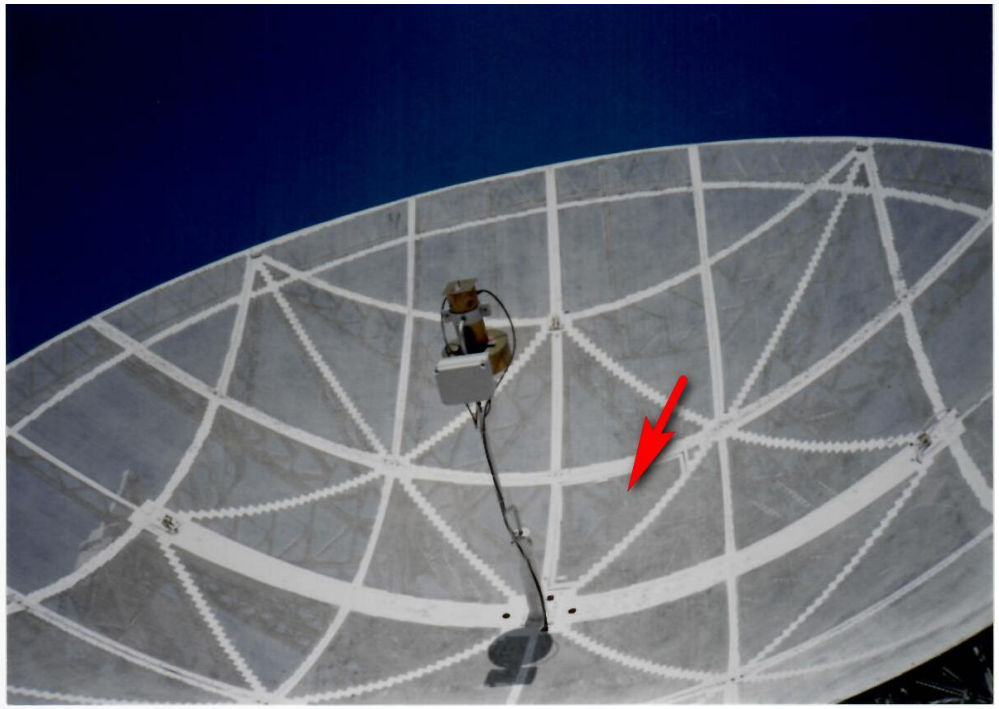
1990 (15) - 1994 (6) - 1995 (1)

3 FIRSTS : UA1ZCL – ZS6AXT – EA3UM

 # 65 EN 161 QSO'S – CW 157 – SSB 4 QSO'S

EIGEN ECHO'S MET CA. 10W @ FEED



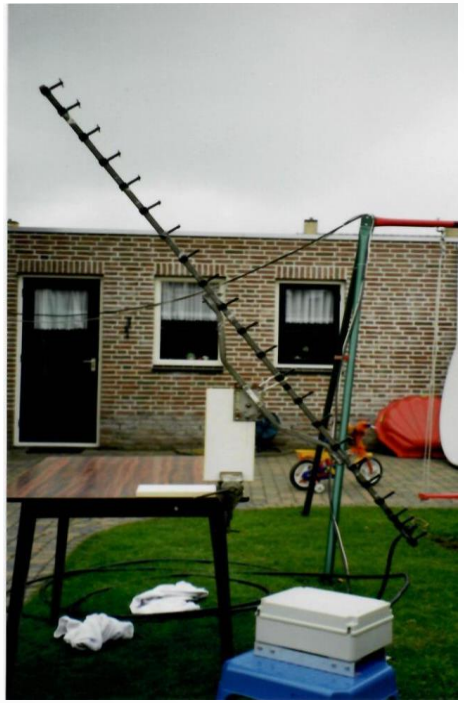


23CM EME QSO MET TM8EME (1998)

SPECIALE CALL IVM 1998 EME CONFERENTIE IN PARIJS → **PA3DZL QRP STATION**

QSL KAART

23EL. F9FT YAGI (1)
15.6DBD BOOM 1.75M
150W - MGF1400



23CM EME (2000)

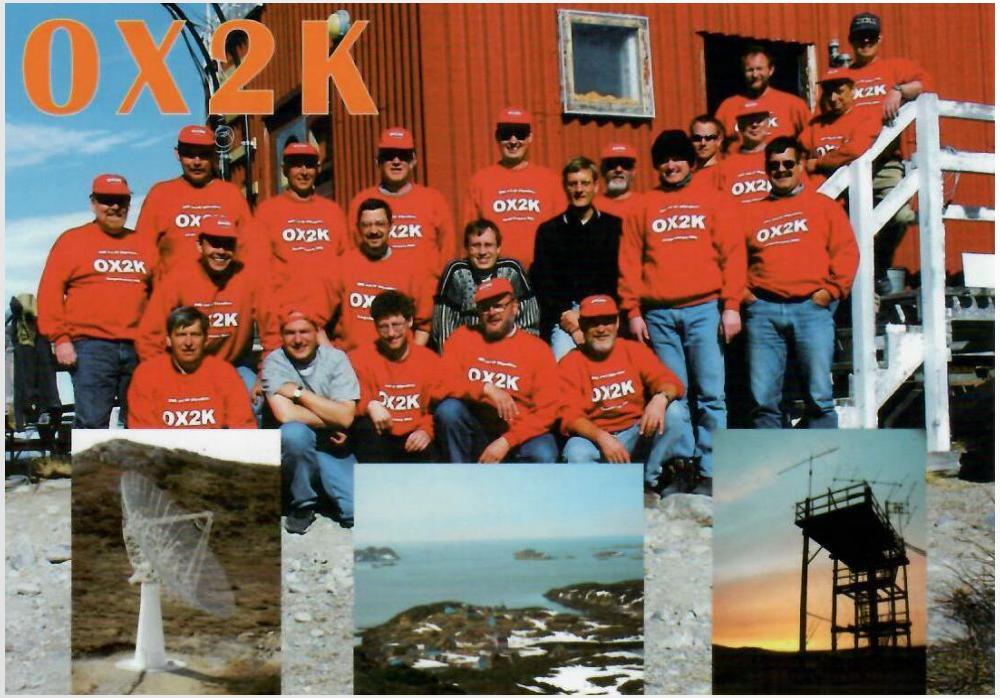
2.5M (1.8M ORIGINEEL) (2)

23,9 – 26,7 = + 2,8DBD

32M GROENLAND - 2000 - OX2K

23CM EME

QSL KAART VAN FIRST VERBINDING



SCHOTEL MET 23CM VE4MA FEED (2)

MEI 2000 – JUNI 2011 : # 143 – 382 QSO'S
CW 223, SSB 3 EN DIGITAAL 156 QSO'S
1E QSO DIGITAAL DEC. 2006

23CM EME

RENOVATIE 3.7M GAAS-SCHOTEL ON5RR

BOUWEN MAST MET AZ + EL MAB25 ENCODERS / OE5JFL

23CM EME (2011)

SEGMENTEN MONTEREN

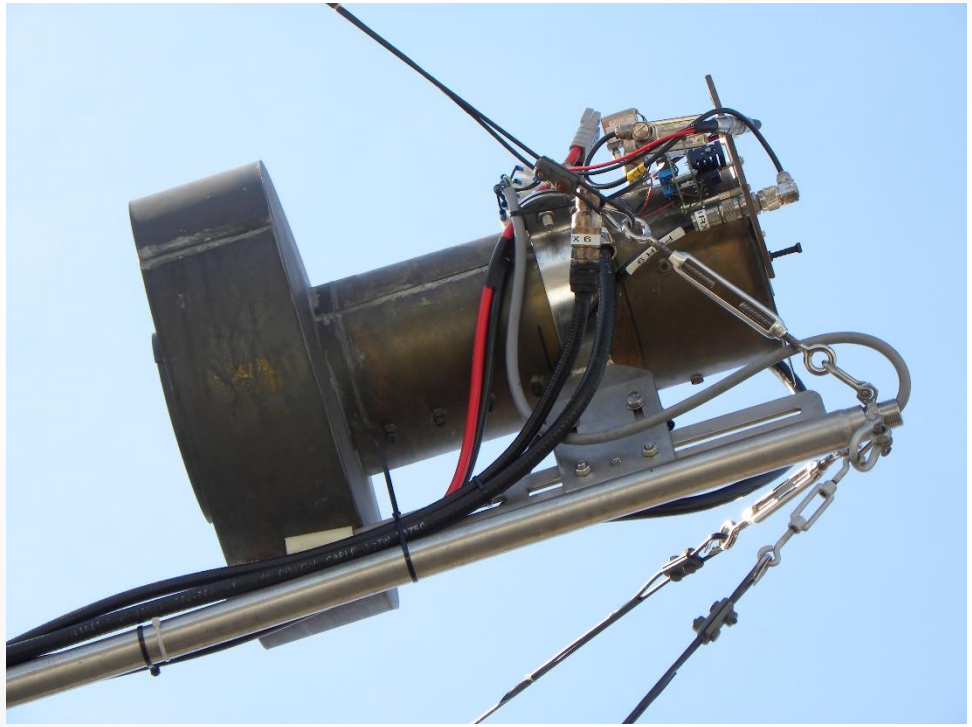
KLAAR VOOR MASTMONTAGE (3)

23CM EME

QRV 16-10-2011 TM 2-2-2014 (3)

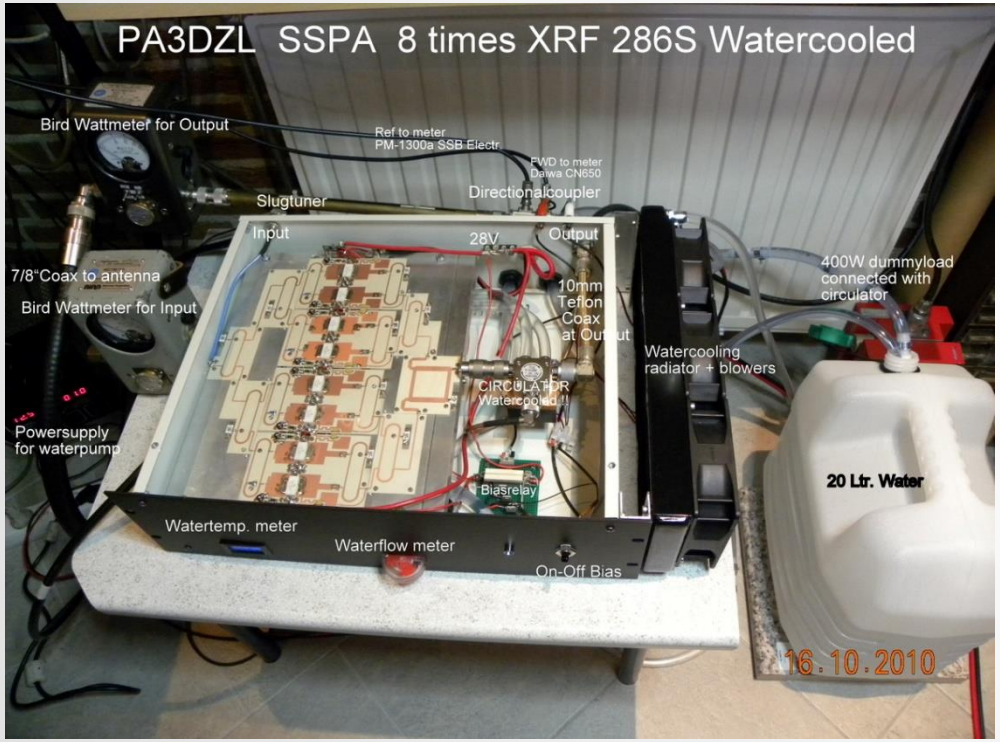
AUG. 2010 – JAN. 2013 : # 78 – 199 QSO'S
CW 59, SSB 1 EN DIGITAAL 139 QSO'S

23CM VE4MA FEED + FEEDSUPPORT

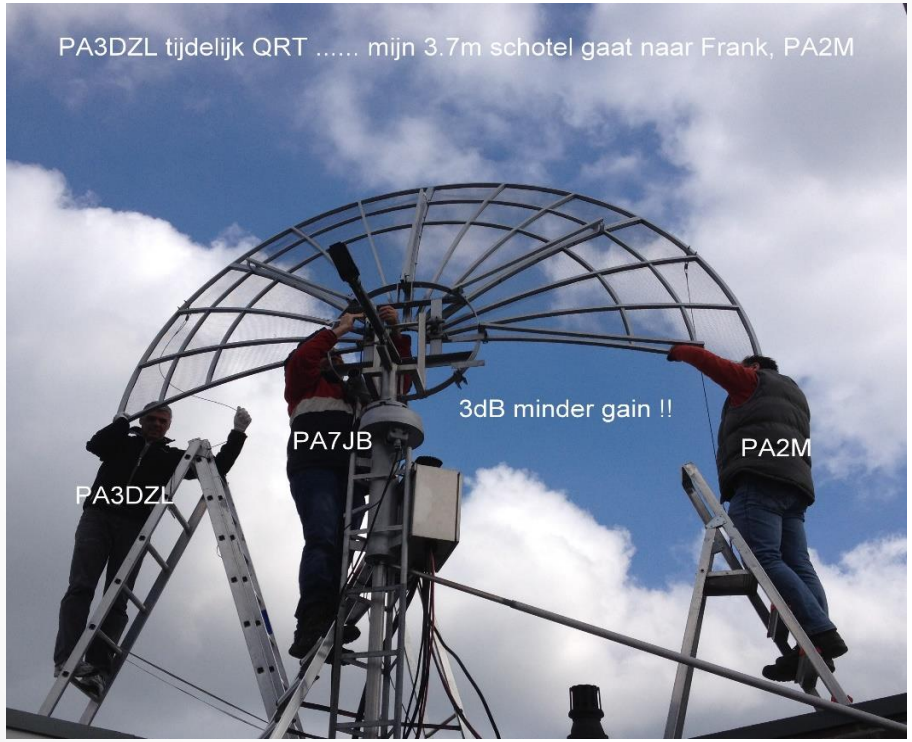


23CM EME

WATERGEKOELDE SSPA (3)

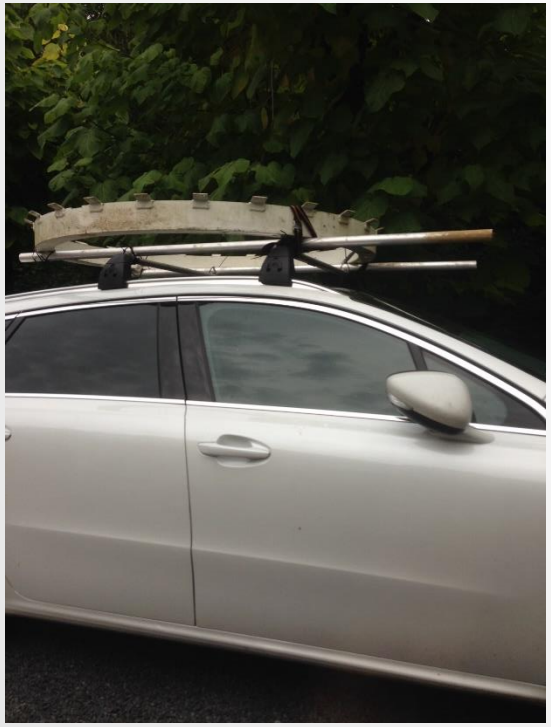


DEMONTAGE SCHOTEL



23CM EME

HUB OP DE AUTO



TRANSPORT ON5RR → PA3DZL
3.7M ANDREW DICHTE SCHOTEL

23CM EME

BOUW NIEUW RVS FRAME

SCHOTEL AFGEMONTEERD
JUNI 2014

23CM EME

FRAME MET ACTUATOR, ROTOR, CONTRAGEWICHTEN, ENCODERS

ANDREW SCHOTEL MET HUB 300KG

23CM EME

MONTAGE OP FRAME

CHECK POSITIE FEED DMV ZON EN QRV VANAF 2-11-2014 (4)

NOV. 2014 TOT NU: # 68 – 355 QSO'S
CW 236, SSB 16 EN DIGITAAL 103 QSO'S

 # 280, 1098 QSO'S, 70 DXCC, WAC

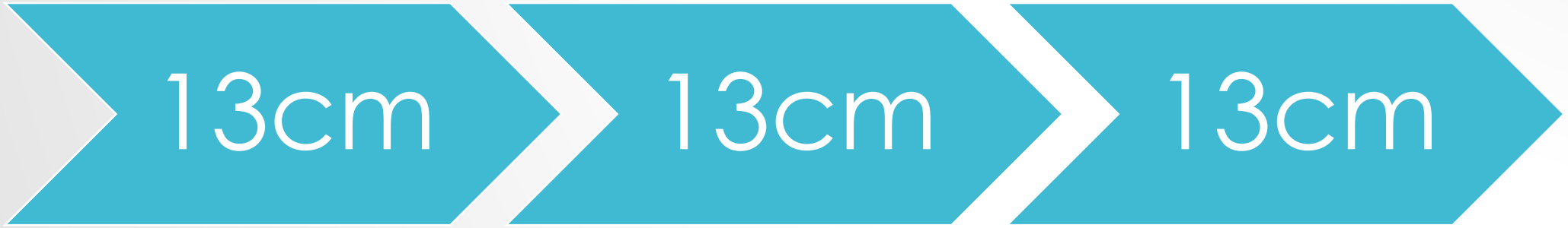
23CM EME

DETAIL FEEDSUPPORT

FOCUSPUNT - VERSTELBAARHEID

1236 IF AMP METER 28MHZ

METEN ZON- EN MAANRUIS


13cm
13cm
13cm

13CM EME (2002)

13CM VE4MA FEED IN 2.5M SCHOTEL (1)

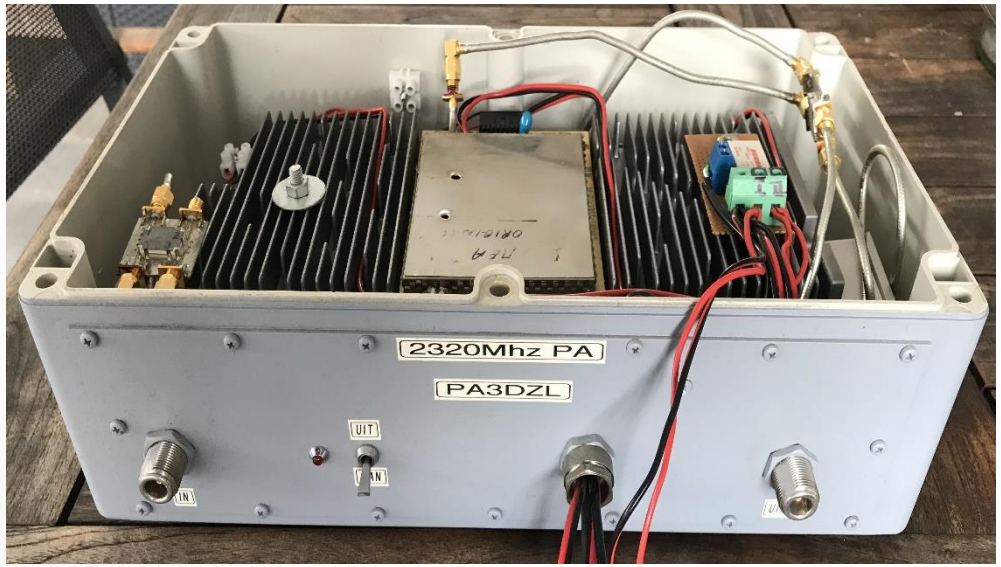
EERSTE 2 QSO'S JUNI 2002: OE9ERC EN OE9XXI –CW- NF 0.9DB

JUNI 2002 – JUNI 2011 : # 40 – 80 QSO'S
CW 64, SSB 2 EN DIGITAAL 14 QSO'S

JUNI 2002 ERICSSON PA – G4DDK PREAMP 0.3DB

75W SSPA CA. 45W @ FEED (1)

2 X 40W MODULE (WEINHEIM 2000)



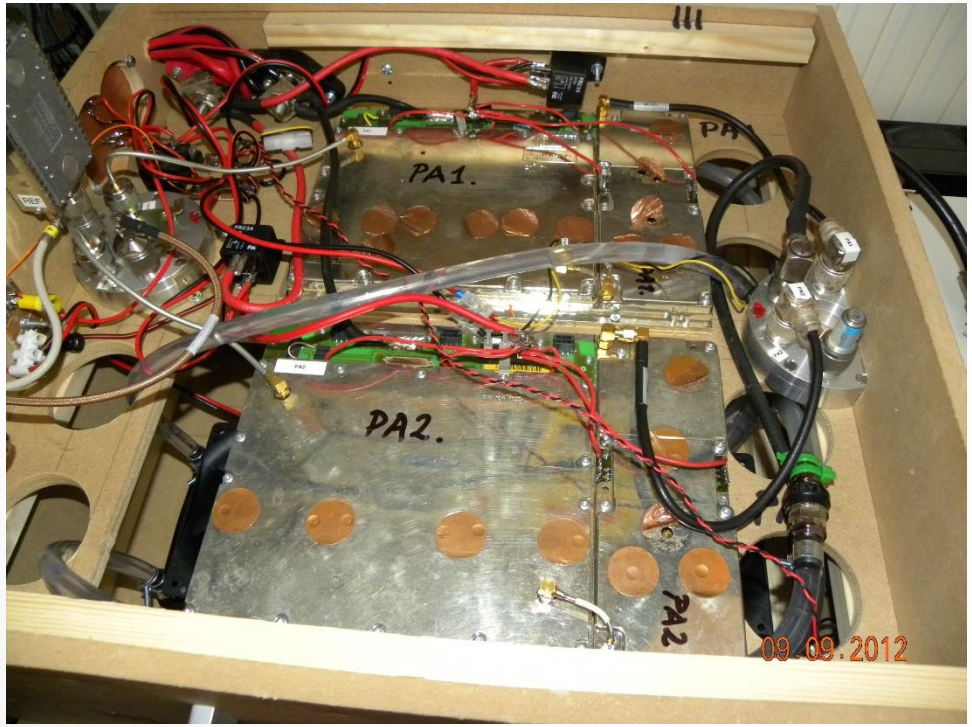
13CM EME

3.7M GAAS-SCHOTEL + VE4MA FEED (2)

OKT. 2011 – MAART 2014 : # 43 – 195 QSO'S
CW 187, SSB 4 EN DIGITAAL 4 QSO'S
KAN OP 13CM MAANRUIS METEN

2 X ERICSSON PA 1E TEST (3) WATERKOELING !

GEWELDIGE ECHO'S, ZELFS SSB !!



13CM EME

X-BAND NOODZAKELIJK

2301.900-2302.000 VK
2304 USA
2320 EU-ZA+
2400 JA

SSB QSO PA3DZL – LX1DB
OPGENOMEN DOOR PY2BS
3.7 → 10 (+ 8,3DBD)→ 5.1 M

13CM EME

3.7M ANDREW SCHOTEL (3)

BESCHERMING VAN DE FEED

NOV. 2014 TOT NU: # 66 – 122 QSO'S
CW 93, SSB 3 EN DIGITAAL 26 QSO'S

 # 113, 410 QSO'S, 48 DXCC, WAC

VE4MA FEED

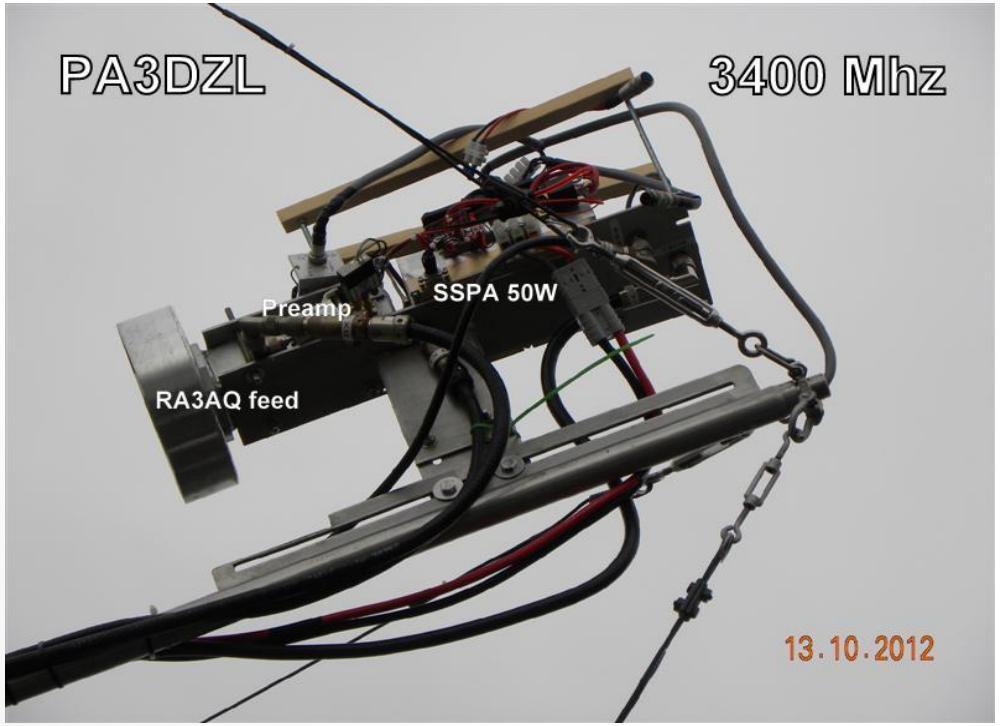
9cm
9cm
9cm

9CM EME (2011)

3.7M GAAS-SCHOTEL (1)

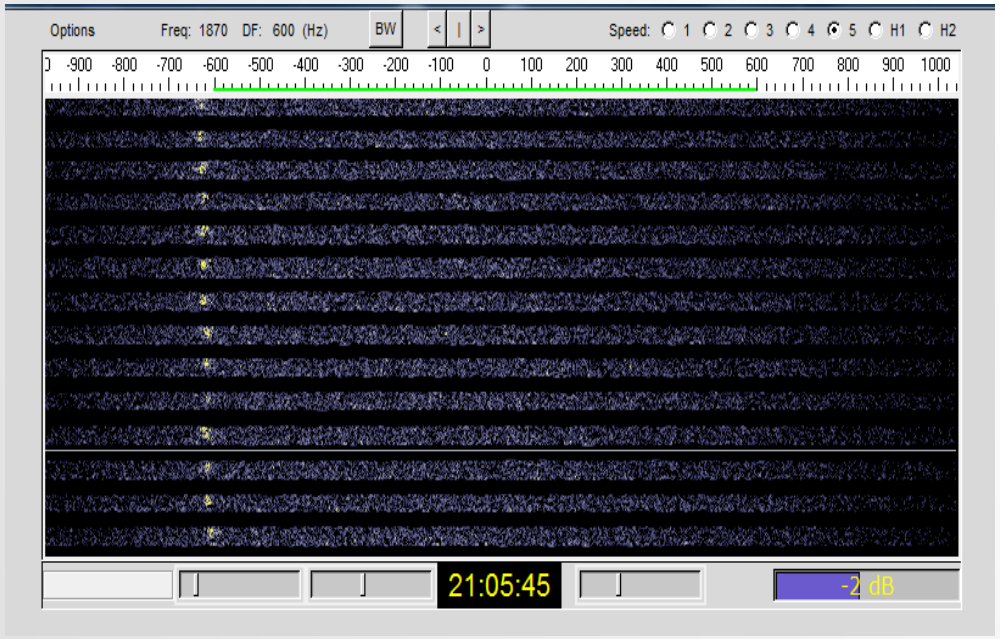
OKT. 2011 – MAART 2014 : # 29 – 54 QSO'S
CW 47, SSB 2 EN DIGITAAL 5 QSO'S

FEED, PREAMP EN SSPA (1)

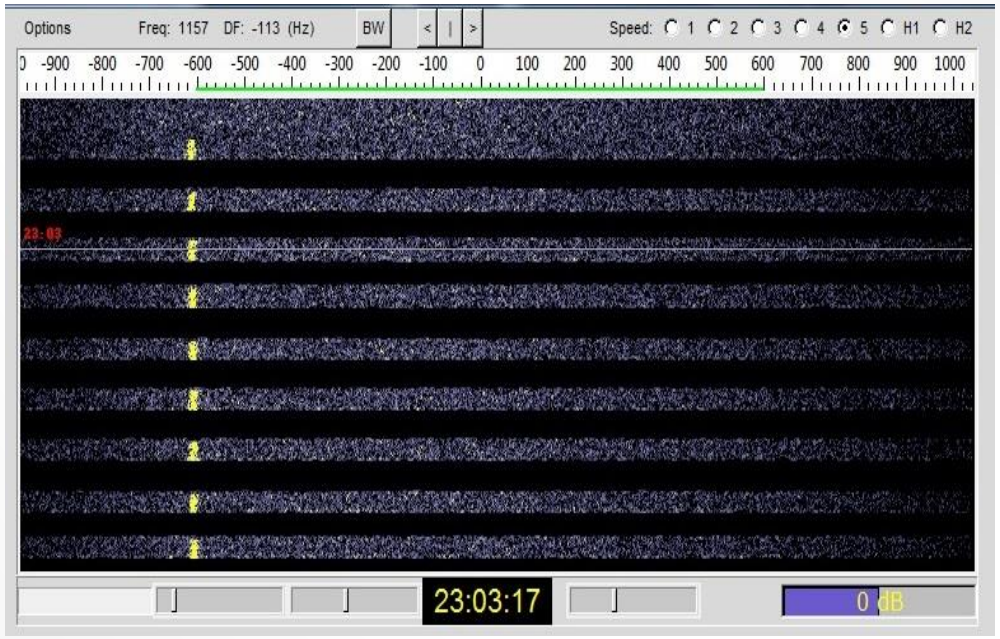


9CM EME

ECHO MET 50W



ECHO MET 150W (2)



9CM EME

3.7M ANDREW SCHOTEL

NOV. 2014 TOT NU: # 27 – 114 QSO'S
CW 91, SSB 5 EN DIGITAAL 18 QSO'S

 # 56, 168 QSO'S, 26 DXCC, WAC

CQ K5GW (6.9M)
3.7M GAAS-SCHOTEL

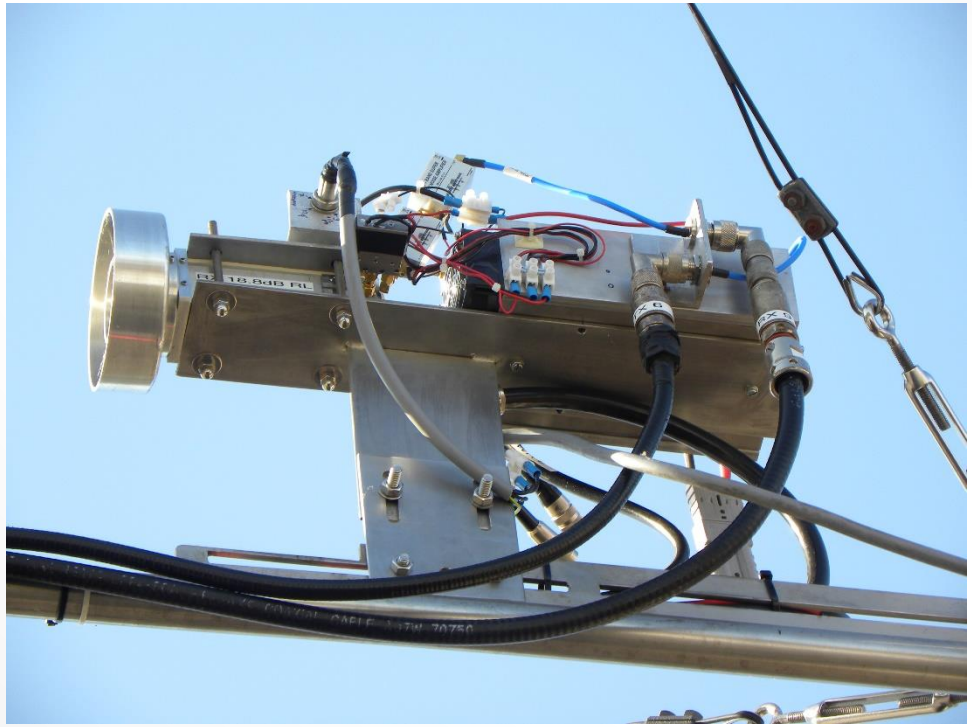
6cm
6cm
6cm

6CM EME (2011)

3.7M GAAS-SCHOTEL (1)
18W (1) @ RA3AQ FEED (1)

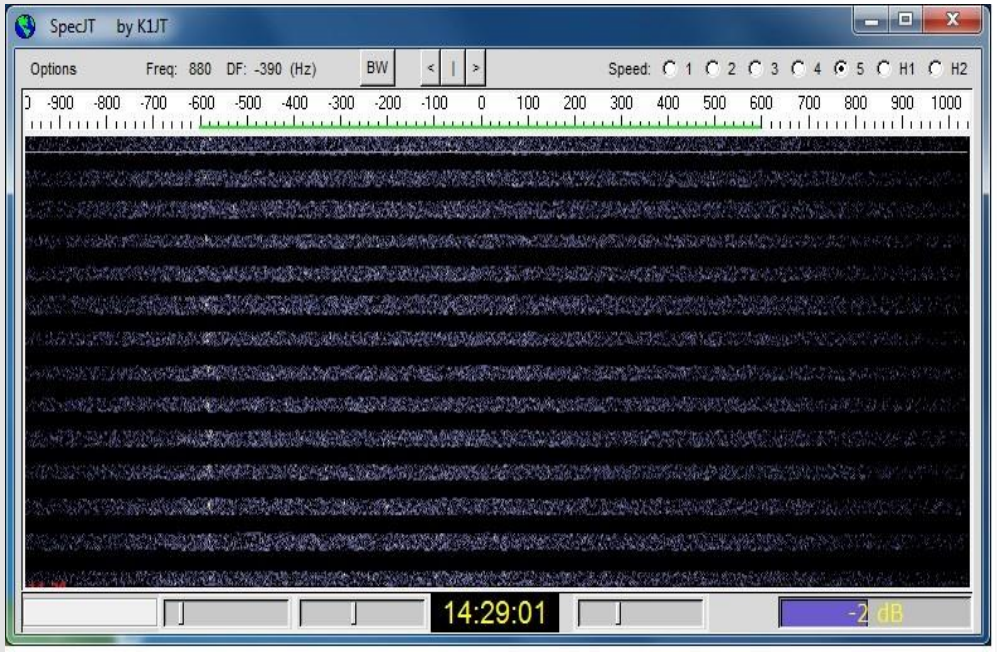
OKT. 2011 – MAART 2014 : # 41 – 105 QSO'S
CW 104 EN SSB 1 QSO'S

NIEUWE SSPA (2)

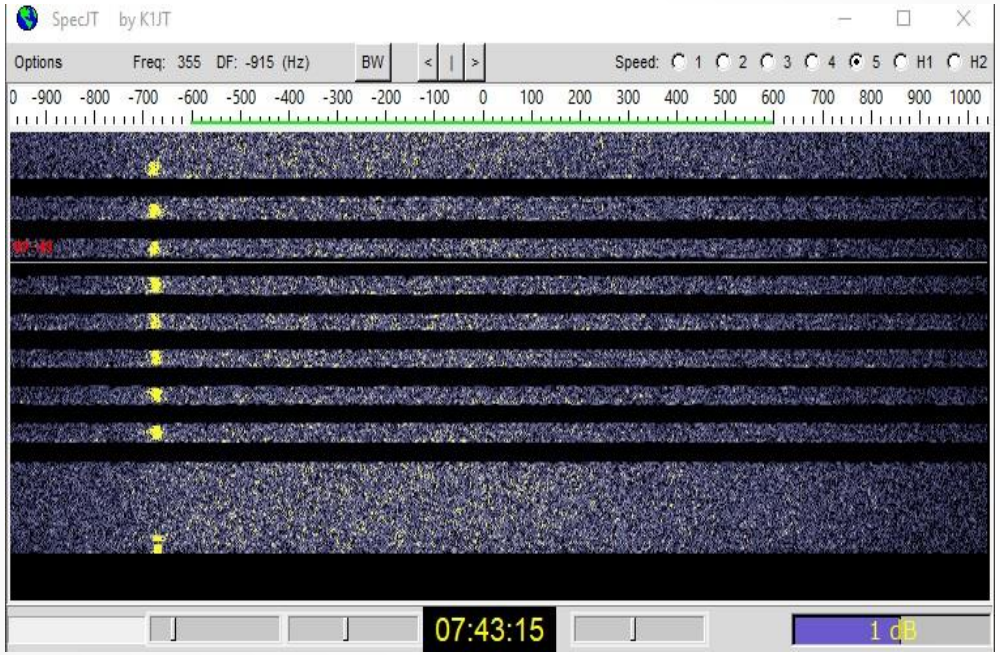


6CM EME

ECHO 18W @ FEED



ECHO 110W @ FEED



6CM EME

3.7M ANDREW (2) WATERPROOF

NOV. 2014 TOT NU: # 22 – 105 QSO'S
CW 95, SSB 3 EN DIGITAAL 7 QSO'S

 # 63, 210 QSO'S, 29 DXCC, WAC

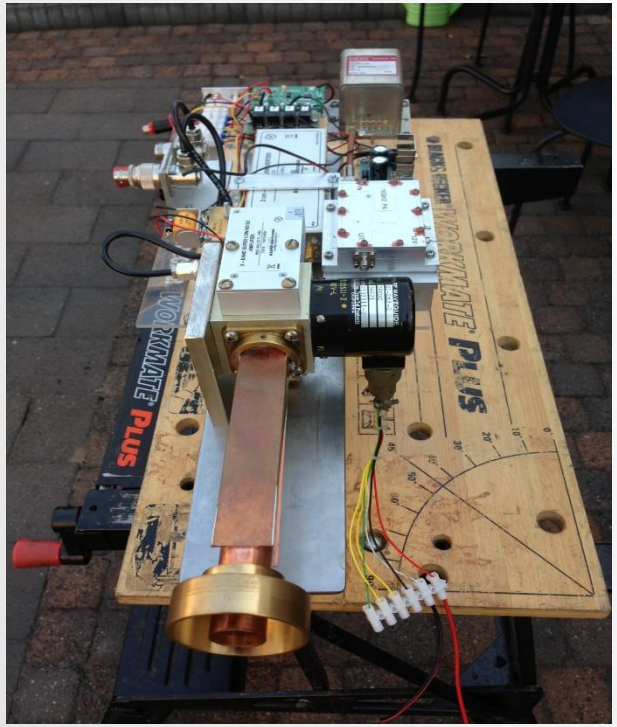
NIEUWE SQUEEZED FEED (2)

3cm
3cm
3cm

3CM EME (2013)

3CM EME STATION (1)

SSPA PWR 3W @ FEED



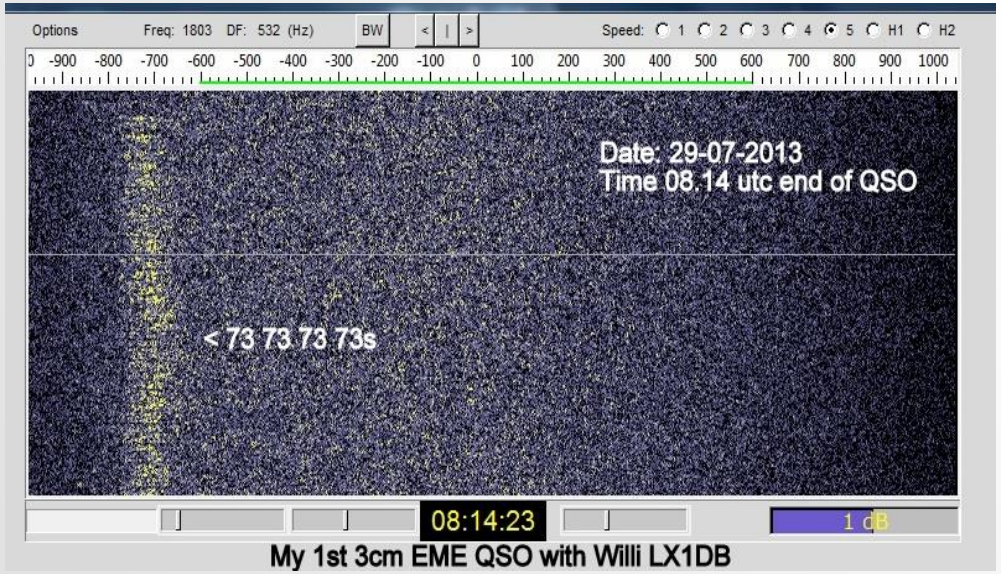
3.7M GAAS SCHOTEL (1)

RVS GAAS 5X5MM
 # 1 EN 1 QSO IN CW

3CM EME

1E QSO MET LX1DB
PWR 3W@FEED ☺

LIBRATION FADING !!



3CM QRO STATION

TWT 1127 - LASER

3CM EME

3.7M ANDREW SCHOTEL (2)

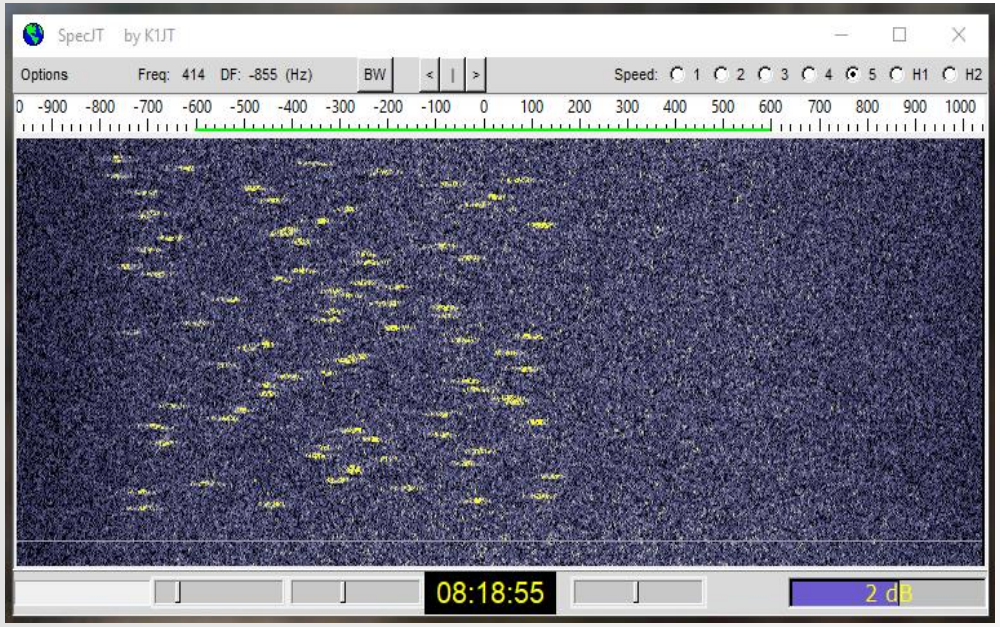
NOV. 2014 TOT NU: # 57 – 125 QSO'S
CW 108, SSB 1 EN DIGITAAL 16 QSO'S
QRA64D MET CFOM
JAPAN 10450MHZ – JA4BLC CONVERTER

 # 58, 126 QSO'S, 27 DXCC, WAC

QRO 65W OUTPUT

3CM EME

DL0SHF BAKEN



QSO EA9LZ IN QRA64D + CFOM FIRST PA → EA9 TEVENS WAC

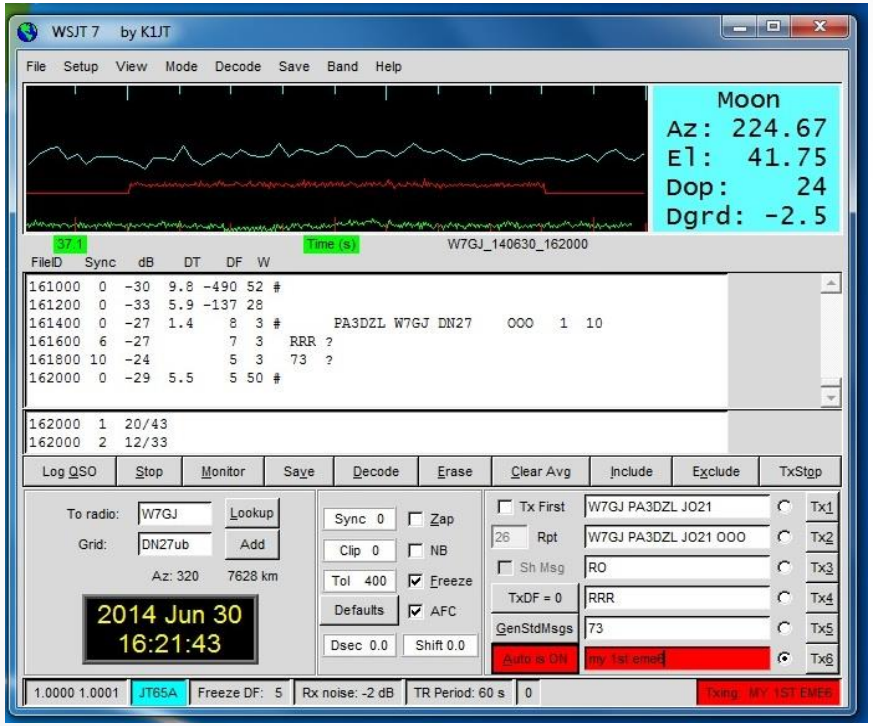
6m
6m
6m

6M EME

7EL. YAGI 10.4M BOOM

 # 1 EN 2 QSO'S
PREAMP 0.5DB @ ANT. – TX 7/8 COAX – RX H100

1E EME QSO W7GJ



SHACK
SHACK
SHACK

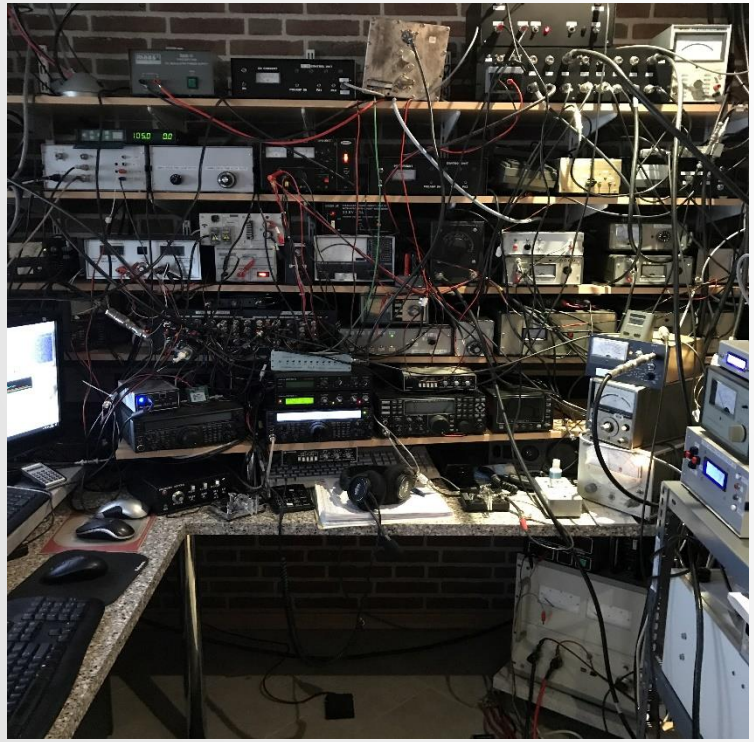
SHACK

SHACK 1987

YOSHIRO JA4BLC (2000)

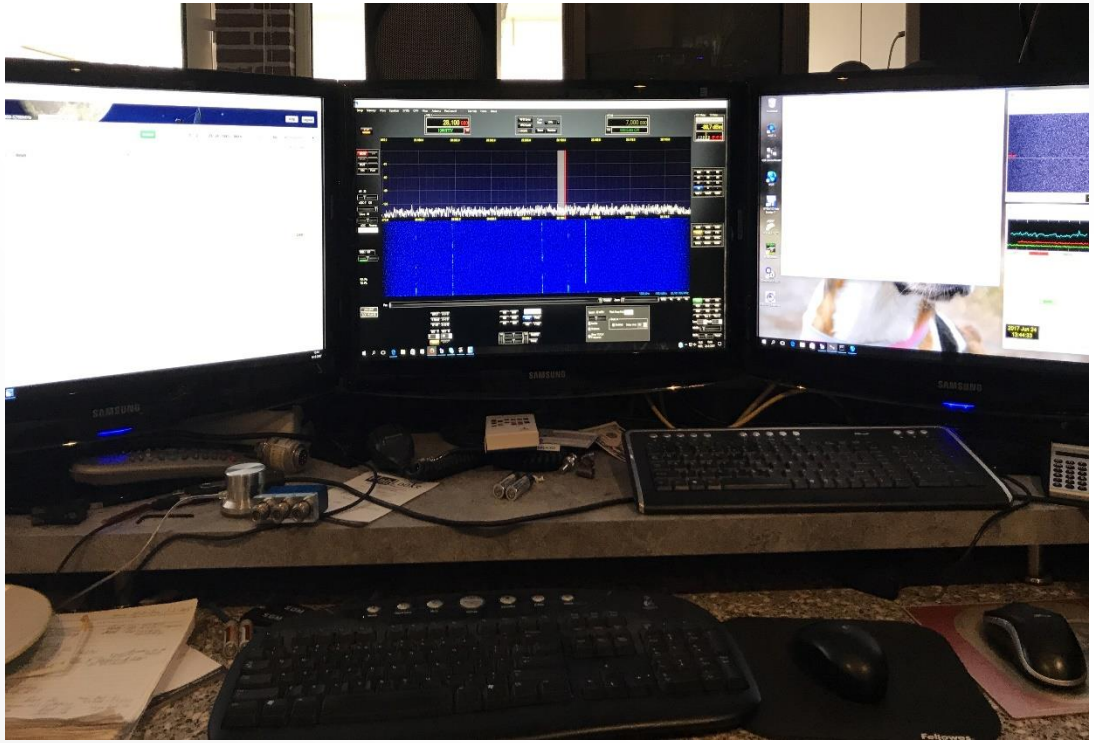
EEN KIJKJE IN MIJN SHACK

HET IS GEEN DRAADLOZE HOBBY ☺



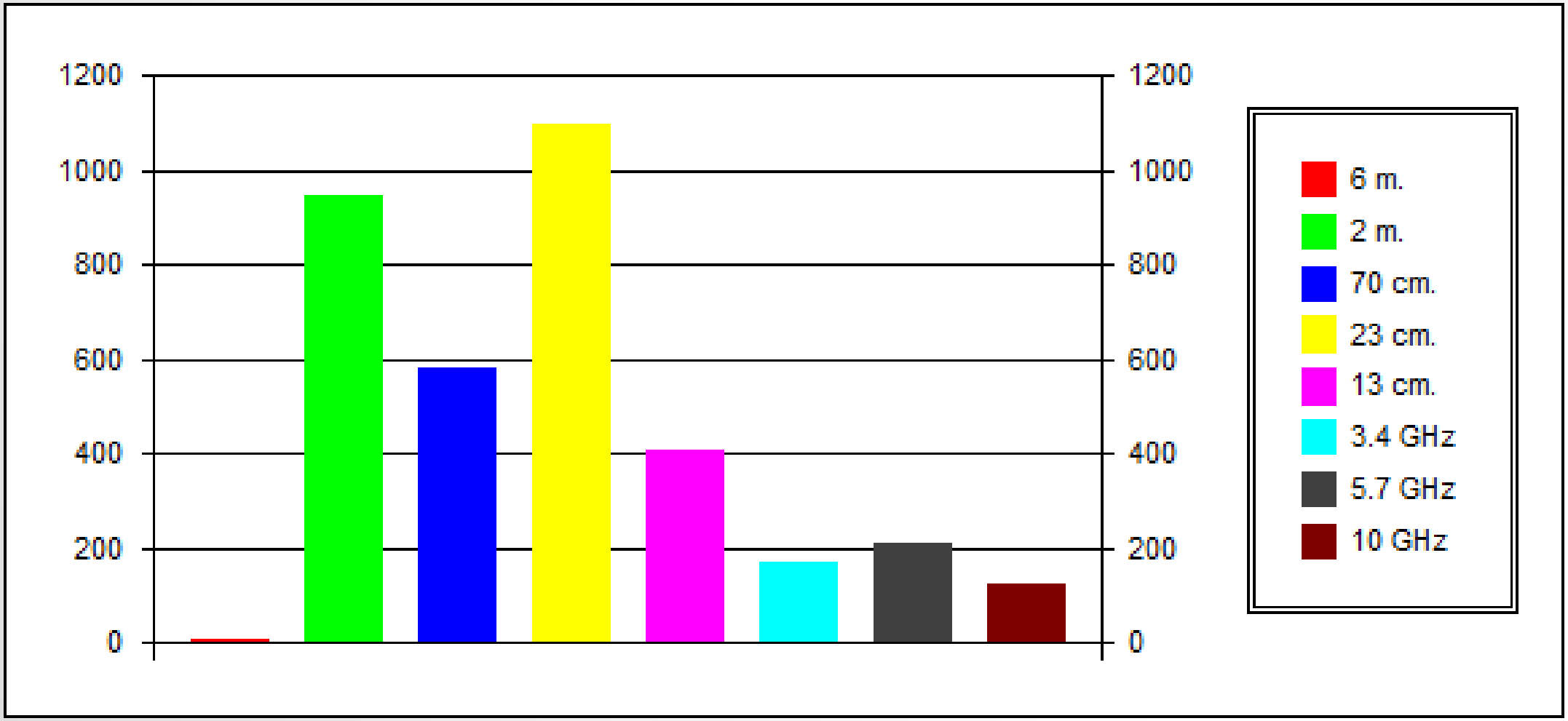
"CONTROLECENTRUM"

HB9Q LOGGER, FLEXRADIO SDR, WSJT 10+X



RESLUTATEN
RESULTATEN
RESULTATEN

TOTAAL AANTAL : 3704 EME QSO'S OP 8 VERSCHILLENDE BANDEN



EN ALS HET DAN ECHT NIET MEER LUKT ☺

BEDANKT VOOR UW AANDACHT