

My station

One finds here a description of my radio station, band per band.

HF

I'm using a Kenwood TS-440S transceiver and as antenna, either a multiband Windom FD-4, either a 5/8 ground mounted vertical for the 10 m band. I'm not very active on HF.

70 MHz (currently not active)

A Yaesu FT-857D is used as driver on a 28 MHz IF, it is followed by a [Transverter 28-70 MHz](#) and a OZ2M designed PA. The power is 20W. The antenna is a [5 el. YU7EF](#) (3 m long boom).

144 MHz

As for the 70 MHz, I'm using the Yaesu FT-857D as driver of (28 MHz) a subsequent transverter. The transceiver is followed by an [interface](#). Both the transceiver and the interface are located in the shack.

Between the shack and the tower, there is 55 m of RG213 coax cable.

At the foot of the tower, in a cabinet, one finds a [Transverter 28-144 MHz](#) and a [1kW SSPA](#) (BLF188XR). From the SSPA to the antenna, there is 16 m of 1/2" low loss coax cable ([Eupen](#) 5128) + 6 m of Ecoflex 10 up to the radiating dipoles of the antennas. I don't use a masthead RX preamplifier.

The antennas are [2x9 el. DK7ZB](#), 19 m agl and 119 m asl, with elevation capability. This system is used for the terrestrial traffic, as well as for EME.

For the local FM traffic (and sometimes also for Es), I'm using the same FT-857D or a FT-7800 together with a 5/8 vertical 12 m agl. I'm QRV D-STAR with an Icom ID-51 transceiver but almost not active in this mode. For the DMR (that I much more prefer to D-STAR), I'm using a Tytera MD-380 ; often stand-by on TG's 2062 or 937.

1296 MHz (currently not active)

I have a [Transverter 144-1296 MHz](#) (10 W) and a 35 el. F9FT antenna.

Driver : FT-857D or IC-202.

10368 MHz (currently not active)

I'm using a Prime Focus 48 cm dish and a [Transverter & PA DB6NT 144-10368 MHz](#) (3 W).

Driver : FT-857D or IC-202.



All the equipment described above is complemented by other devices, most of them being home made : CW key, [Interface Audio/Transceiver/Micro.](#), [Interface for Transverter](#) and a [SDR](#) system.

Amongst the non home made equipment, there are power supplies, a Hi-Fi amplifier and an equalizer.

For the moon tracking, I'm using an antenna controller [ERC-3D by Rene, DF9GR](#), together with the software [PstRotator by Codrut, YO3DMU](#). Both are excellent stuff I highly recommend.

My QTH

This post describes my geographical location. Take-off is of prime importance what radio communications matters, especially on the higher frequencies.



Province : **Hainaut**
 Région : **Wallonie**
 Ville : **Soignies**
 Village : **Horrues**
 Locator : **JO10XO**
 Altitude : **100m**

The following maps (made thanks to "[Radio Mobile](#)" by Roger, VE2DBE) are all centered



on my QTH :

View as from the 144 MHz antenna (17m above gr. level) towards the main cardinal



points :



Few pictures of my village (Horrues) in summer :



And in winter :

EME 144 MHz : TX7EME, DXCC #122



Profitant d'un voyage professionnel en Polynésie française, Giulio, IW3HVB a activé l'île de Moorea en EME sur 144 MHz, sous l'indicatif **TX7EME**. Opération remarquable, d'autant plus que Giulio a mené à bien seul cette expédition. Giulio utilisait 2x9 él. XP et 1kW. J'ai eu la chance de contacter TX7EME au troisième passage de lune ; niveau de signal reçu -22 dBJT (-20 pour moi en Polynésie). Pour ce QS0, j'ai utilisé comme antenne ma seule 12 él. DK7ZB sans élévation, profitant ainsi du gain sol.

Taking the opportunity of a business trip in French Polynesia, Giulio, IW3HVB has activated Moorea Island in EME on 144 MHz, under the callsign **TX7EME**. Remarkable operation, all the more Giulio has conducted it alone. Giulio has been using 2x9 el. XP and 1kW. I have been lucky to work TX7EME on his third moonpass ; received signal level -22 dBJT (-20 for me in Polynesia). For this QS0 I have been using my single 12 el. DK7ZB without elevation, getting advantage of the ground gain.

The screenshot shows the MAP65 software interface. At the top, the title bar reads "MAP65 v2.5, r4705 by K1JT". Below the title bar is a menu bar with "File", "Setup", "View", "Mode", "Decode", "Save", and "Help".

The main window contains a table of frequencies and their associated data:

Freq	DF	Pol	UTC	DT	dB		KV	DS	TxPol
127	304	0	121800	0.6	-20	RRR	0	0	0
127	304	0	122000	0.6	-19	RRR	0	0	0
127			122200						
127			122400						
127			122600				1	0	0
127	307	0	122600	2.4	-22	PI9CM TX7EME BH52 OOO	1	0	0
127	307	0	122800	0.6	-17	RRR	0	0	0
127	307	0	123000	2.5	-22	ON4KHG TX7EME BH52 OOO	1	115	0
127	307	0	123200	0.8	-16	RRR	0	0	0
127	304	0	123400	2.5	-22	SM7FMX TX7EME BH52 OOO	1	0	0
127			123500						
127	307	0	123600	2.5	-25	SM7FMX TX7EME BH52 OOO	1	0	0

Below the table are several control panels:

- A row of buttons: "Log QSO", "Stop", "Monitor" (highlighted in green), "Decode", "Erase", "Auto is OFF", "Stop Tx".
- A vertical scale on the left with markers at 10, 20, 30, 40, 50 dB. A bar indicates a level around 14 dB.
- A "DX Call" section with "TX7EME" and "Grid" section with "BH52gg". Buttons include "Lookup", "Add", and "GenStdMsgs".
- A "Tx first" checkbox (unchecked) and a "Set Tx Freq" button.
- A "NB" checkbox (checked) and a frequency slider set to 73.
- A "Tol" section with a value of 50 and a "CQ ON4KHG JO10" field.
- A list of transmission modes: "Tx1" (TX7EME ON4KHG JO10), "Tx2" (TX7EME ON4KHG JO10 OOO), "Tx3" (RO), "Tx4" (RRR), "Tx5" (73), "Tx6" (CQ ON4KHG JO10).

At the bottom, a status bar shows: "Receiving S1", "OSO Freq: 127", "OSO DF: 310", "Rx noise: 15.0 0.2%", "JT65B", and "Ava: 0". A large digital clock displays "12:37:46".

IARU Region 1 VHF Contest 2015

Bref compte rendu du contest VHF IARU Region 1 des 5 et 6 septembre 2015. J'ai été actif en single op. durant toute la durée du contest, nuit comprise. Que celle-ci fût laborieuse (seulement 30 QSO), tant la propagation était mauvaise (30 QSO et 16000 points de moins qu'en 2014) et l'activité faible entre 2h et 6h du matin...

Merci à tous ceux qui m'ont appelé !

Station habituelle : 12 él. DK7ZB et 550W

Short report of activity in the IARU Region 1 VHF contest of September 5th and 6th, 2015. I have been active single op. the whole duration of the contest, night included. What a hard night it was (only 30 QSO), since the propagation was very poor (30 QSO and 16000 points less compared to 2014) and the activity low between 2h and 6h in the morning..

Thanks to everyone who called me !

Usual station : 12 el. DK7ZB and 550W

QSO's : 424

Points : 151617

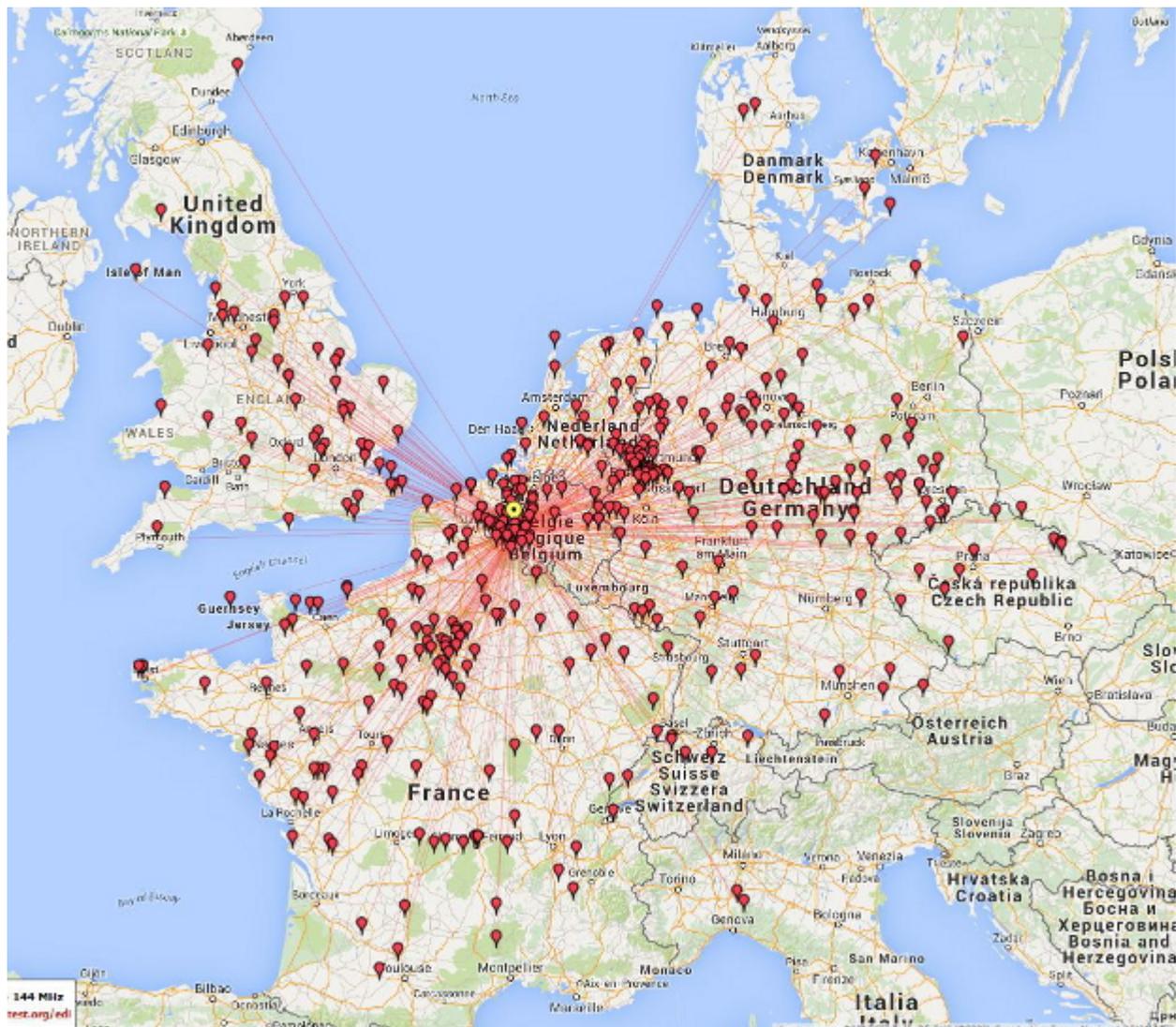
DXCC : 16 (I, G, GM, GW, GD, GU, SP, F, HB9, OE, OK, OZ, DL, ON, PA)

WWL : 86

Average km/QSO : 357,6

Top 10 DX QSO's :

OL7M	J080FF	885 km
OK1KU0	J080FG	885 km
OK1FIG	J080DH	872 km
OK1KCR	JN79VS	846 km
F4CWN	JN03KN	816 km
SN7L	J070SS	815 km
GM4AFF	I086TS	801 km
OZ9FW	J065C0	781 km
OL4W	J070LR	774 km
F1RHS	JN03PV	772 km



Ecoutez 0L7M / Listen to 0L7M :

<http://on4khg.be/wordpress/wp-content/uploads/2015/09/0L7M-IARU-VHF-05092015.mp3>

Et I02V / and I02V :

<http://on4khg.be/wordpress/wp-content/uploads/2015/09/I02V-IARU-VHF-05092015.mp3>

Enregistrement de notre QSO réalisé par Matej, OK1TEH / Recording of our QSO made by Matej, OK1TEH (Thanks) :

http://on4khg.be/wordpress/wp-content/uploads/2015/09/on4khg_2m050915-recorded-by-0K1TEH.mp3