

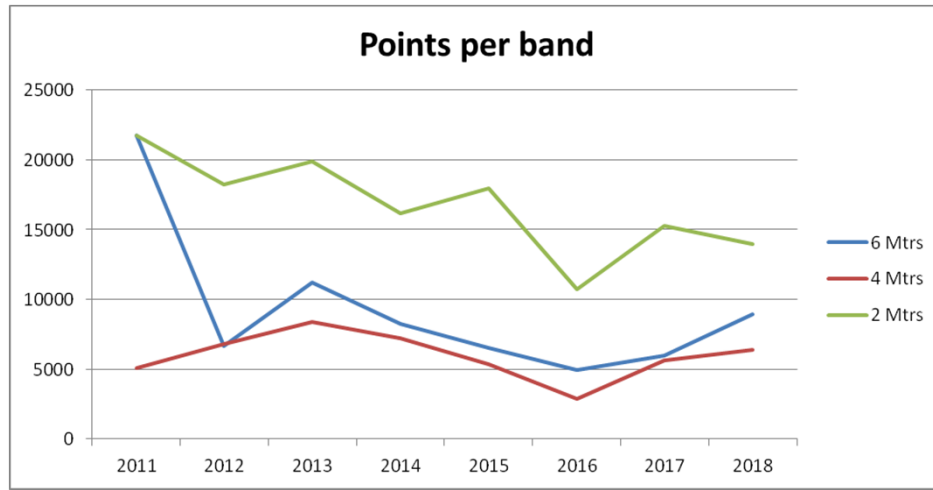
# VHF NFD 2018

Report

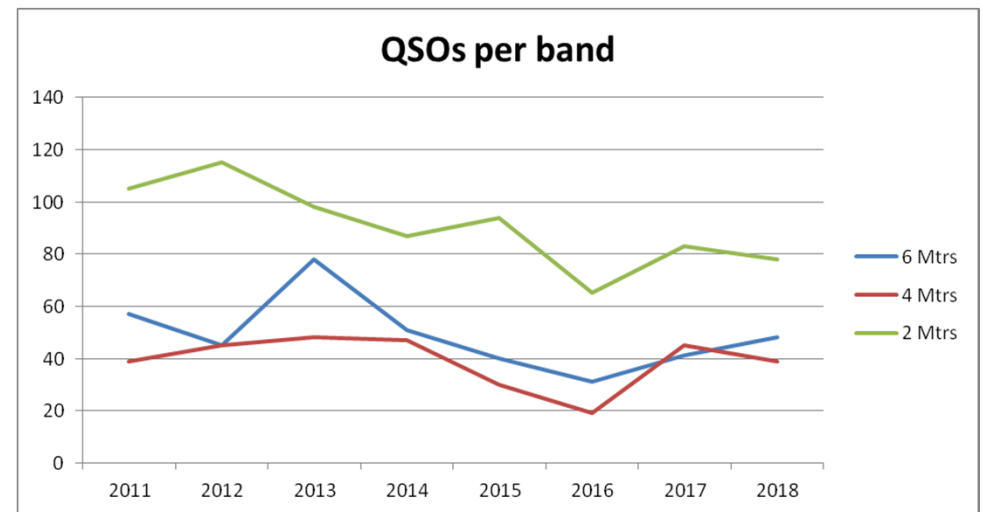
Ian M0IJS

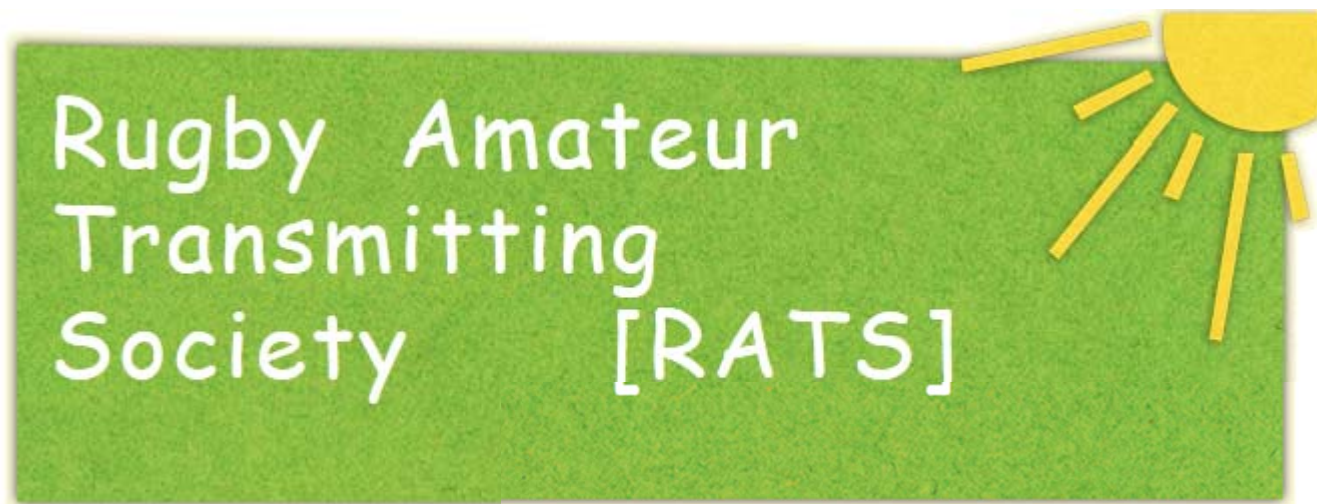


# Contest Statistics



Year	Location	
2011	Daventry	Borough Hill
2012	A5 Hillmorton	Radio Station Field
2013/4/5/6	Coton	Scout Camp
2017/8	West Haddon	Four Acres Farm





**VHF NFD 2018**

**The Stations  
Ian M0IJS**

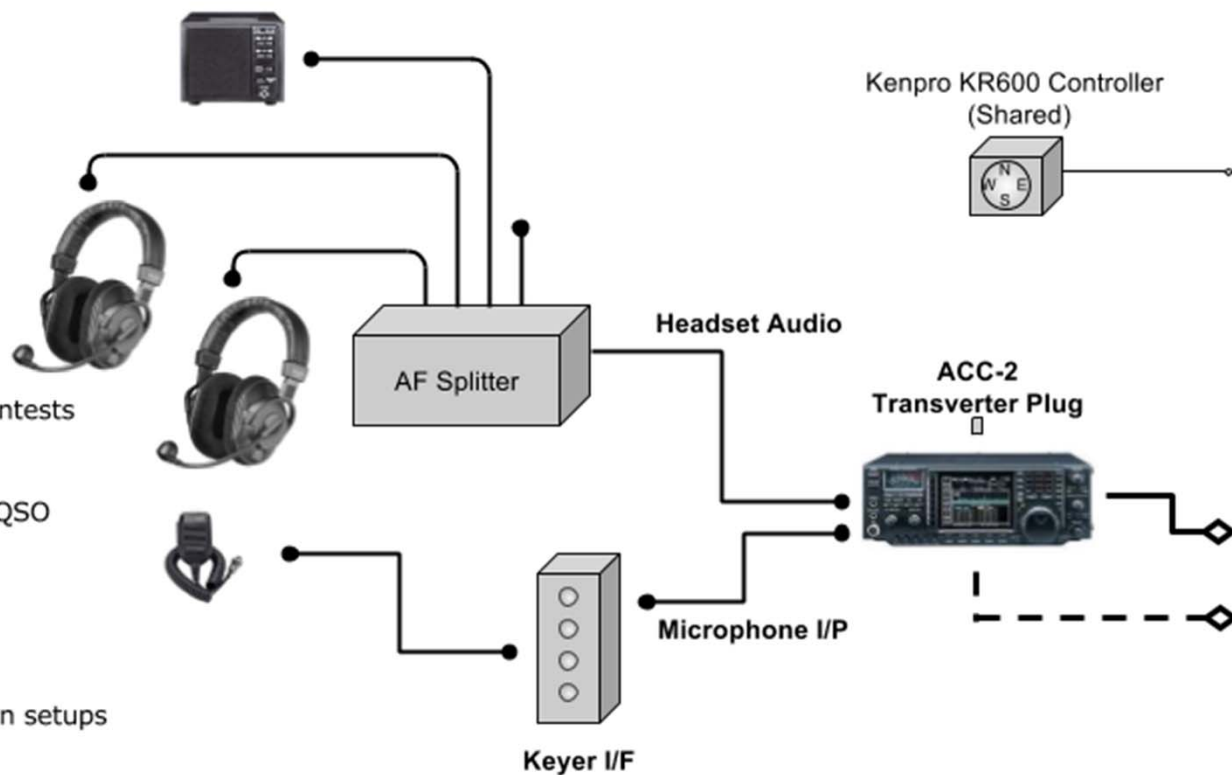


# RATS VHF NFD 2017 Operating Positions x2

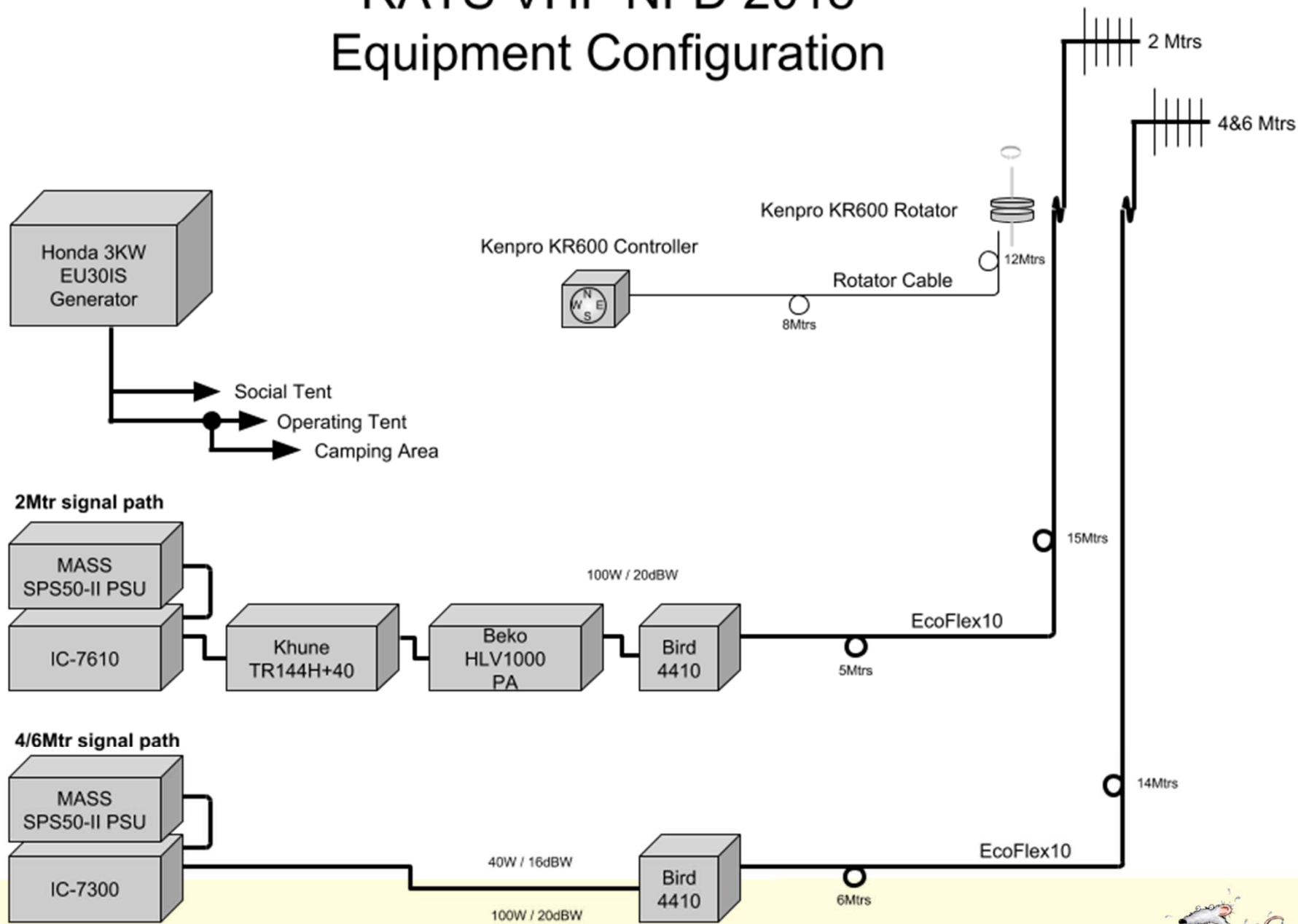


## Minos Logbook

- Support for most RSGB and Region 1 contests
- Realtime or post event entry
- Realime scoring
- Points per kilometre or fixed points per QSO
- Automatic dupe checking
- Callsign lookups from previous contests
- Entry logs in various formats\*
- ADIF export
- Maidenhead locator calculator
- Loading of predefined contest and station setups



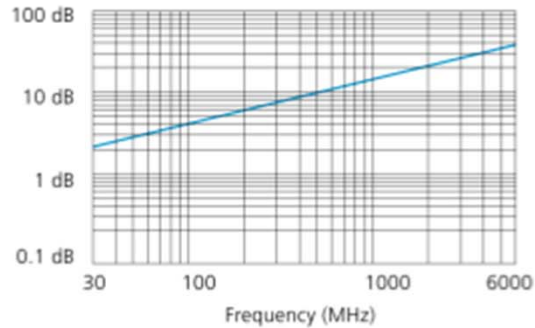
# RATS VHF NFD 2018 Equipment Configuration



# RATS VHF NFD 2018 RF Loss Budget

EcoFlex10

Typ. attenuation (dB/100 m) @ 20°C



Power at antenna feed point  
2Mtrs: 76W / 18.8dBW

Loss = 4.9dB / 100 Mtrs  
0.98dB / 20 Mtrs  
0.2dB for connections (2xN)

EIRP

EIRP = Feed + Gain  
Gain = 14.12dBi  
EIRP = 32.9 dBW  
Or 1950W

2 Mtrs  
InnoVAntennas  
144 9Ele OWL

4&6 Mtrs  
InnoVAntennas  
4/5 (9Ele) dual

Power at antenna feed point  
6Mtrs: 33W / 15.2dBW

Loss = 2.9dB / 100 Mtrs  
0.58dB / 20 Mtrs  
0.2dB for connections (2xN)

EIRP

Gain = 9.25 dBi  
EIRP = 24.2 dBW  
Or 263W

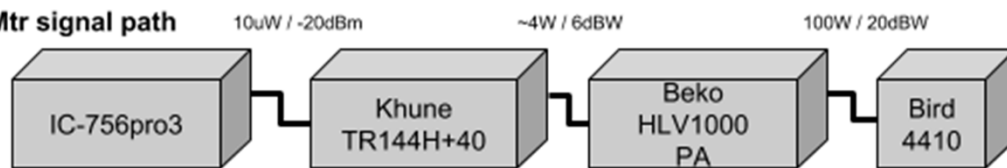
Power at antenna feed point  
4Mtrs: 81W / 19.1dBW

Loss = 3.5dB / 100 Mtrs  
0.7dB / 20 Mtrs  
0.2dB for connections (2xN)

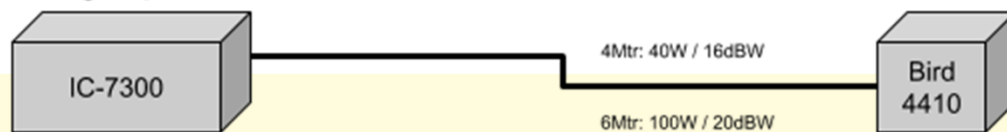
EIRP

Gain = 10.53 dBi  
EIRP = 29.6 dBW  
Or 912W

2Mtr signal path



4/6Mtr signal path



15Mtrs

14Mtrs

