5P5T Region 1 VHF test 2013 –best contest ever!

In the weeks leading up to the contest we followed the weather forecast anxiously. Heavy rain makes access to the Kongsbjerg very difficult, but the forecast looked good and Hepburn gave indications of good conditions.

Kongsbjerg is the southern tip of the limestone formation on the island of Moen. The site is 134 m ASL and from 90 to 270 degress there is a clear view to the ocean giving an almost perfect horizon. Besides being a good radio QTH, it is also very beautiful and scenic.

Preparations for a big test like this always takes a lot of time. Just the logistics of bringing all the antennas, generator, operator (horse) trailer, etc. to the site is an effort on its own.

The 5P5T station has been developed since 2007 adding impovement and antennas every year. The current status is a 4 antenna system of vertically stacked antennas that allows us to cover the main activity areas south of us from 90 deg. To 250 deg.

Figur 1 Antenna storage at OZ1FDH's barn

Figur 2 Horse trailer partly loaded before take off

The setup for 2013 was an ICOM 7700 with a DB6NT trvtr and an ICOM 756 pro II as receiver for the 2nd operator. The antennas were 8x3 el DK7ZB in 160 deg, 8x3 el DK7ZB in 210 deg, 8x6 el in 90 deg and 4x10 el DK7ZB on a rotor. All antennas were build from NUXCOM kits.

We had the same station setup as in 2012, but back then the 4x10 el crashed when we elevated the antenna, and we were somewhat handicapped by OZ1FDH on crutches recovering from a heavy traffic accident just 1 month earlier. For 2013 everything and everybody was (hopefully) as good as it could get.

OZ1GER, OZ1FDH and PA5DD arrived friday in the early afternoon and started mounting the antennas and masts. The 4x10 el was quite a challenge, as the plateu on Kongsbjerg is narrow and we had to tie some of the wires to the trees down the slope in order for the antennas to rotate freely.

Figur 3 OZ1GER and PA5DD mounting the BIG EAR

Friday evening we had 1,5 antenna systems up and as darkness came, it was time for a little food and a bootle of wine before turning in for a much needed good nights sleep.

Next morning the weather looked nice and sunny, but somewhat windy, and we continued assembling station and antennas.

The station assembly went without any big trouble, a few bad interconnection cables caused some confusion, a bent element had to be replaced here and there. One of the 8x3 el antennas had a not to good return loss. Comparing it to the 4x10 el it seemed to work OK, and as there really wasn't time to take the system down, we decided to use as it was.

OZ1DJJ arrived at the site around noon on saturday and brought his BEKO PA some fresh blood, good energy and not the least – lunch!

Everything was ready 1 hour before the start and there was time for a short break – preferably a good nap, but tension and nerves just before the start made all of us quite fired up and ready.
The weather was quite windy and we didn't expect much tropo conditions, but that was not quite to be.

Figur 4 Saturday afternoon everything ready to go

14.00 GMT came and PA5DD started as operator and logged 101 QSO's the first hour. Up here north this is a sign of reasonable condx, and we had good signals especially from the south east. Then at 17.43 UTC 9A7D called and set an ODX of 1143 km only to be broken 10 minutes later by YT1VP in JN94 1321 km!

The QSO numbers kept rising and we reached QSO number 500 just before midnight. WAUV, this looked good! Signals were good and stations just kept calling. Conditions improved and we started working ES and OH stations. Quite remarkable the activity stayed high, in the late hours between 01-02 we logged almost 30 stations. For us this was

something we had never tried before. Normally the late hours are yielding 10-15 QSO's if we are lucky. OZ1GER and PA5DD took the early morning shift. They had to kick OZ1FDH out of the horse trailer and serve him a glass of wine, in order to cool him just a little bit down to make him get some rest and be prepared for the morning hours.

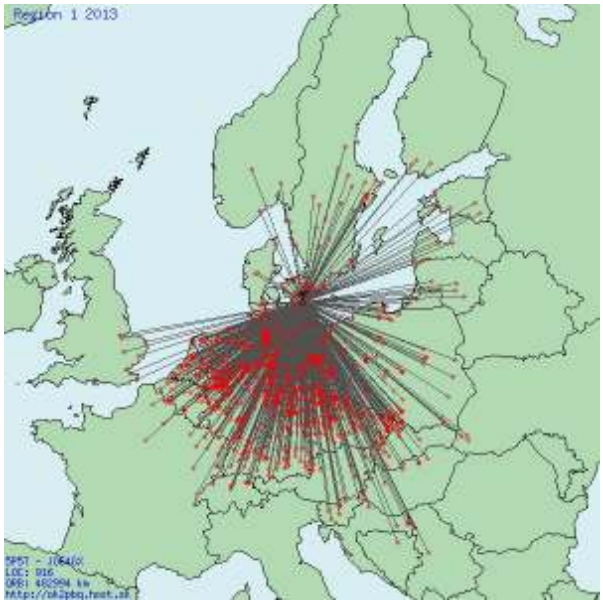
Figur 5 OZ1FDH at the station

As the hours went by the conditions turned back to normal on sunday morning, but still the activity was good and QSO's kept comming in. We still worked into SP8 and SP9 with good signals just as 9A8D came into the log.

The equipment worked quite well. Especially the 4x10 el were excellent. The BIG EAR, as we got to call them, could pick up almost anything that we could barely detect on the other antenna systems.

The final result was 916 QSO´s, 482000 points 123 locators and 25 DXCC, which we believe is a pretty good result and should put us among the top stations. However, we will have wait for the official result before we know.

But regardless what the final result will be, the region 1 contest 2013 was record breaking for 5P5T. Not only did we hit the highest score ever from OZ, we also broke the former OZ QSO number record of 912 QSO´s set by OZ5TE back in 1981.



Figur 6 QSO map -note prelimenary unchecked log

Figur 7 The BIG EAR 4x10 el DK7ZB from Nuxcom

The only sad thing was that OZ5BD Bjørn could not be with us as he had to stay with his work in Greenland. Both this and past years OZ5BD has put so much work into building antennas and setup that he indeed has a big share in our good result.

However, being only 4 people takes quite an effort to assemble and run such a big station, and we were tired but also quite happy. The 5P5T group is always open for new members!

Figur 8 After the contest -disassembled station

Figur 9 Tired but happy after a well done contest. OZ1DJJ, OZ1FDH, PA5DD and OZ1GER

Thank you for all the QSO´s, 73 and hope to work you again next year.

OZ1FDH, OZ1DJJ, OZ1GER, PA5DD & OZ5BD

Contest statistics

Overall (unchecked result)
916 QSO
482870 points
123 locators and 25 DXCC
average/QSO 527 points
ODX YT1EP JN94xc 1321 km

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QSOs versus time                                          Reg1 2013, 20130907
      101
      XX
      XX
      XX
      XX 80
      XX XX
      XX XX
      XX XX       65
      XX XX 61    XX
      XX XX XX    XX
      XX XX XX 49 XX 53 48 49
      XX XX XX XX XX XX XX XX
   Avg XX-XX-XX-XX-XX-XX-XX-XX-40----------------------------------------------
      XX XX XX XX XX XX XX XX XX                        37
      XX XX XX XX XX XX XX XX XX    30 28            28 XX 32 30    29 28 28
      XX XX XX XX XX XX XX XX XX    XX XX            XX XX XX XX 27 XX XX XX
      XX XX XX XX XX XX XX XX XX 18 XX XX         21 XX XX XX XX XX XX XX XX
      XX XX XX XX XX XX XX XX XX XX XX XX 13      XX XX XX XX XX XX XX XX XX
      XX XX XX XX XX XX XX XX XX XX XX XX 10 11 XX XX XX XX XX XX XX XX XX
      XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX
(1h)  XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX
UTC :  14 15 16 17 18 19 20 21 22 23 00 01 02 03 04 05 06 07 08 09 10 11 12 13
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Top 20 QSO-points Reg1 2013, 20130907

1	20130907	1754	YT1VP	59	287 59	099	JN94XC	1321 153
2	20130907	1843	YT7C	59	336 59	166	JN94XC	1321 153
3	20130907	2333	E73FDE	55	558 59	165	JN94CP	1218 158
4	20130907	1836	9A0V	59	327 59	167	JN95PE	1190 153
5	20130908	0236	9A4V	55	629 59	289	JN95KI	1161 155
6	20130907	1809	9A8D	55	300 59	072	JN95LM	1146 154
7	20130907	1743	9A7D	59	280 59	075	JN95CI	1143 157
8	20130908	0045	S59DEM	55	585 59	418	JN75DS	1032 172
9	20130908	0100	TM0W	59	595 59	253	JN36BP	1030 208
10	20130907	2047	UW5Y	55	450 59	210	KN18OO	1019 130
11	20130908	0941	9A2L	59	798 59	565	JN86HF	1015 162
12	20130908	0143	S57C	59	614 59	286	JN75JX	1014 170
13	20130908	0710	UY4W	59	713 59	090	KN18OT	1001 129
14	20130908	0144	S53D	55	615 59	307	JN76BD	989 173
15	20130907	2254	F6HMQ	55	544 54	044	JN18GP	983 228
16	20130908	0219	S50C	59	626 59	446	JN76JG	982 170
17	20130908	0456	UR7D	599	656 599	357	KN18JT	981 130
18	20130908	0208	9A1CMS	55	624 59	191	JN86FM	980 162
19	20130908	0133	S56K	55	611 59	289	JN76KI	973 169
20	20130907	2347	S59P	579	561 599	270	JN86AO	963 164

Number of QSOs per DXCC

9A	6	UA2	2		
DL	509	UR	3		
E7	1	YL	6		
ES	7	YU	2		
F	20				
G	7				
HA	7				
HB	8				
LA	3				
LX	1				
LY	5				
OE	10				
OH	3				
OK	99				
OM	15				
ON	13				
OZ	19				
PA	52				
S5	11				
SM	40				
SP	67				

Number of QSOs per WWL

IO92:	2	JN76:	6	JO31:	60	JO61:	34	JO82:	5	KO10:	1
JN18:	1	JN77:	2	JO32:	13	JO62:	38	JO83:	1	KO11:	1
JN19:	1	JN79:	20	JO33:	12	JO63:	5	JO84:	1	KO12:	1
JN27:	1	JN86:	5	JO40:	10	JO64:	2	JO86:	2	KO15:	2
JN28:	1	JN87:	3	JO41:	20	JO65:	13	JO88:	1	KO16:	2
JN29:	3	JN88:	9	JO42:	22	JO66:	3	JO89:	7	KO17:	1
JN36:	1	JN89:	14	JO43:	25	JO67:	2	JO90:	10	KO18:	2
JN37:	4	JN94:	3	JO44:	8	JO68:	1	JO91:	6	KO19:	1
JN38:	4	JN95:	4	JO46:	2	JO69:	2	JO92:	1	KO24:	1
JN39:	7	JN97:	4	JO48:	1	JO70:	30	JO93:	2	KO25:	2
JN46:	1	JN98:	1	JO50:	36	JO71:	14	JO94:	9	KO26:	1
JN47:	8	JN99:	22	JO51:	38	JO72:	8	JO99:	3	KO27:	1
JN48:	15	JO01:	2	JO52:	29	JO73:	8	JP40:	1	KO28:	1
JN49:	19	JO02:	3	JO53:	22	JO74:	1	JP70:	1	KO37:	1
JN57:	5	JO10:	9	JO54:	3	JO75:	2	JP80:	1	KO38:	1
JN58:	17	JO11:	4	JO55:	9	JO76:	1	KN08:	2	KP00:	1
JN59:	9	JO20:	7	JO56:	1	JO77:	1	KN09:	2	KP10:	2
JN67:	5	JO21:	15	JO57:	2	JO78:	1	KN18:	3		
JN68:	12	JO22:	13	JO58:	1	JO79:	1	KO02:	6		
JN69:	16	JO23:	6	JO59:	1	JO80:	10	KO04:	2		
JN75:	2	JO30:	23	JO60:	23	JO81:	2	KO06:	2		