



Ham radio in China & BS7H brief update

For OHDXC and CCF Annual Cruise Meeting

Silja Serenade

Fan Bin, BA1RB / AE5OR, 2017.2.4

About me

- Fan Bin, BA1RB and AE5OR
- CRAC SME and Special list
- IARU R3 Disaster Communication Committee China Liaison
- Helping CRAC managing guest operation certificate
- BS7H 2007 crew
- B1Z founder
- AH0K guest operator with Esa, OH7WV, J-P, OH6RX and Olli, OH0XX

01 Amateur Radio in China

02 B1Z Contest Station

03 Mulan DX Club / WAPC / QRP golden week

04 Ham Products in China

05 Guest operation in China

06 BS7H brief update

01

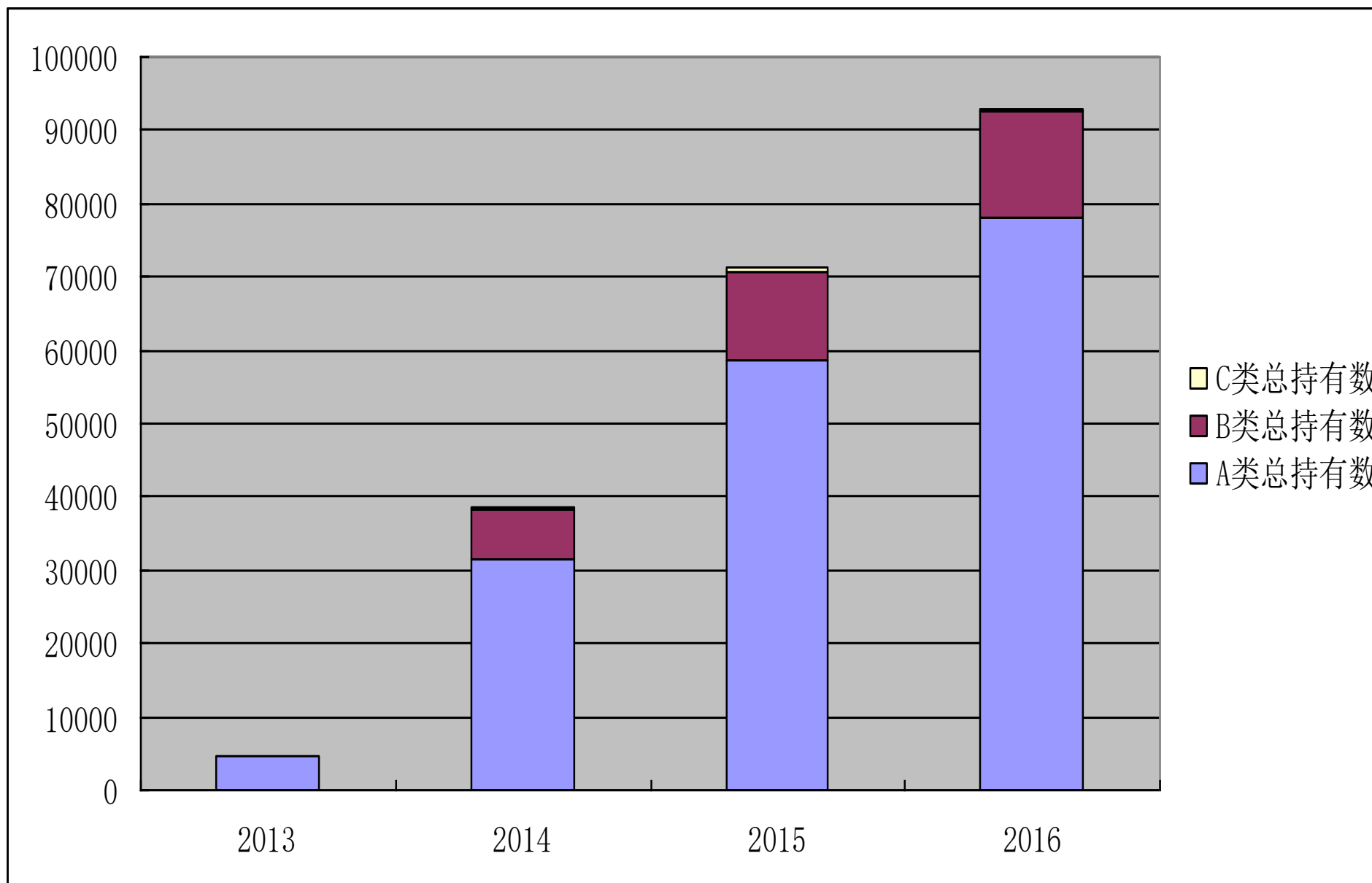
Amateur Radio in China

Number of licensed amateur radio operators

(As of 30 Nov 2016)

Type of License \ Year		2013	2014	2015	2016	Total
Class A	New	4478	14214	16419	17240	52351
	Replace	0	12782	10740	2069	25591
	4478	26996	27159	19309	77942	
Class B	New	207	1915	2481	1999	6602
	0	4589	2916	466	7971	
	207	6504	5397	2465	14573	
Class C	New	51	108	31	6	196
	16	175	74	7	272	
	67	283	103	13	466	
Total	New	4736	16237	18931	19245	59149
	16	17546	13730	2542	33834	
	4752	33783	32659	21787	92981	

Total number of license per year



Class C license holder statistics

Province	2016	Total	Province	2016	Total	Province	2016	Total
Beijing		35	Anhui		11	Guizhou		1
Tianjin		25	Fujian		8	Yunnan		5
Hebei	1	37	Jiangxi		4	Shan3xi		5
Shanxi		8	Shandong	1	37	Gansu		2
Neimenggu	2	8	Henan	2	19	Qinghai		1
Liaoning	2	19	Hubei		10	Ningxia	1	1
Jilin		3	Hunan		19	Xinjiang	2	7
Heilongjiang		18	Guangdong	1	46	Hongkong		3
Shanghai		27	Guangxi		9			
Jiangsu		45	Chongqing		1			
Zhejiang		26	Sichuan	2	28	Total	14	468

业余电台操作证书持有数量的地区分布



China in IARU

1940 China Amateur Radio League (CARL) founded

1947 CARL join IARU

1964 Chinese Radio Sports Association (CRSA) founded

1984 CRSA join IARU

1993 IARU R3 1st ARDF championship held in Beijing

1997 9th IARU R3 Conference held in Beijing

2010 Chinese Radio Amateur's Club (CRAC) founded

2011 IARU president Tim VE6SH send letter to CRSA about IARU membership transition to CRAC

2016 IARU president Tim VE6SH visit State Radio Regulation Committee

2016.10 CRAC replace CRSA became IARU member

02

B1Z Contest Station

B1Z Information

1

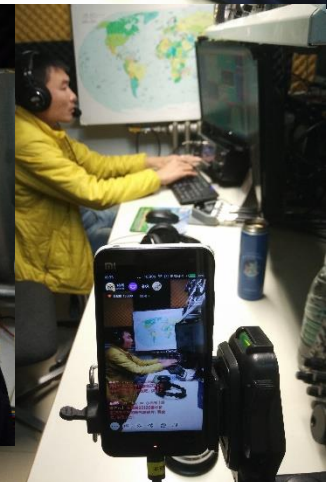
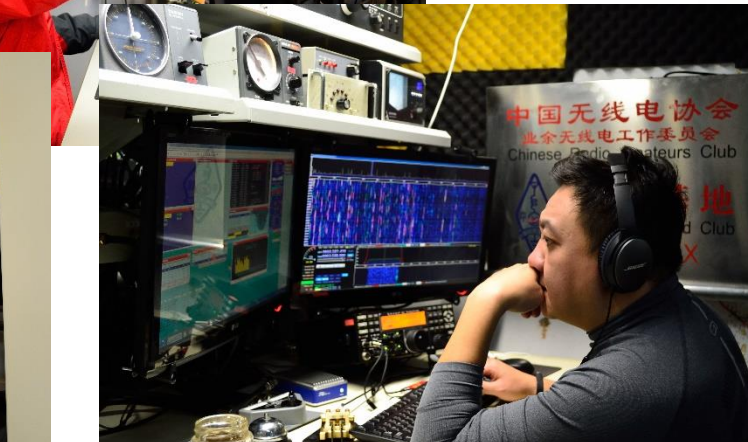
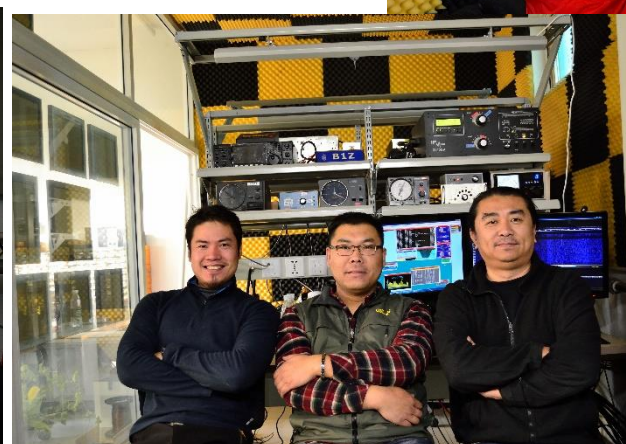
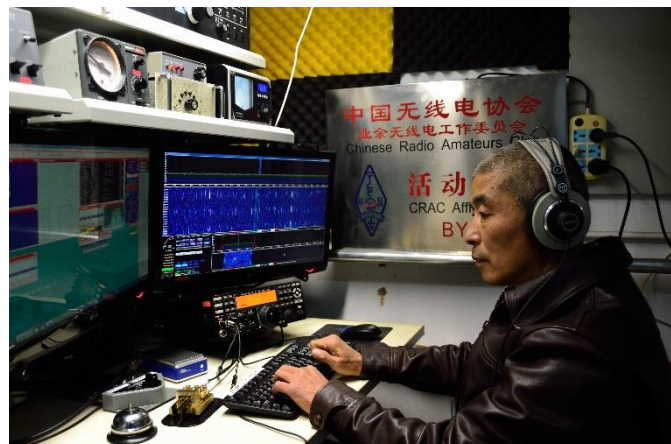
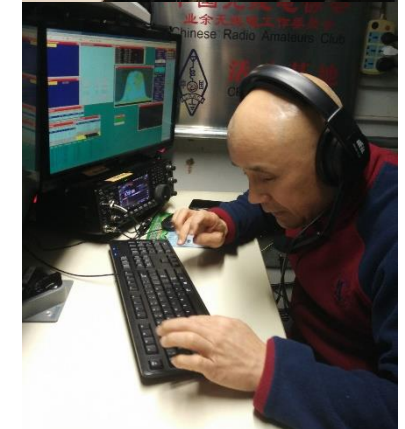
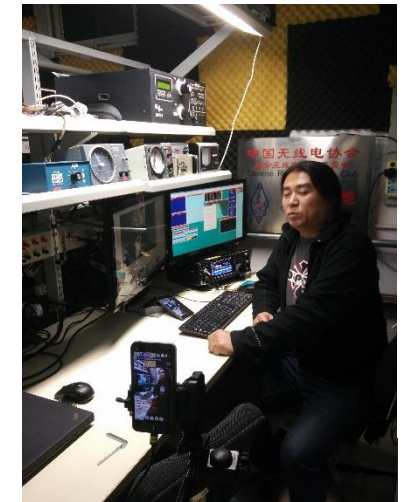
Founded in 1998, 50+ members.

2

30km east to Beijing downtown.

3

Actively involving amateur radio activities, including Dxing, contest, Dxpedition, Satellite, EME, and young people training etc.



B1Z CONTEST

We actively participate in CQ WW 160 CW as well

2016 CW

4个呼号四个组，都有奖状

Rank	Call	Year	Category	Score	QSOs	W/VE	Cty	Hours	Operator(s)
1	B1Z	2016	MULTI-OP	69,338	254	1	36	19.5	BH1LHS BD1GO BD1RX
2	BA5CW	2016	SOA HIGH	38,550	209	3	27	8.9	
3	BA7QT	2016	SO HIGH	2,145	24		11	3.7	
4	BD5XX	2016	SO LOW	208	11		4	1	



B1Z Basic setup

7 towers, 18 antennas with stacks and beverage antennas



BEVERAGE

40M YAGI @
40mH, with 10m
long john ANT
above



80M 160M
transmitting ANT



10M*2 YAGI



WARC YAGI + Create
714



15M*3 stacked
YAGI



20M*2 stacked
YAGI



351 Multi
band YAGI

40M 3E YAGI @40mH Repair



B1Z Enhancement

BEVERAGE receiving antenna

Greatly improved receiving on 160m / 80m



B1Z Shack Layout and improvement

Build base on M2 setup

Before



B1Z Shack Layout and improvement

After

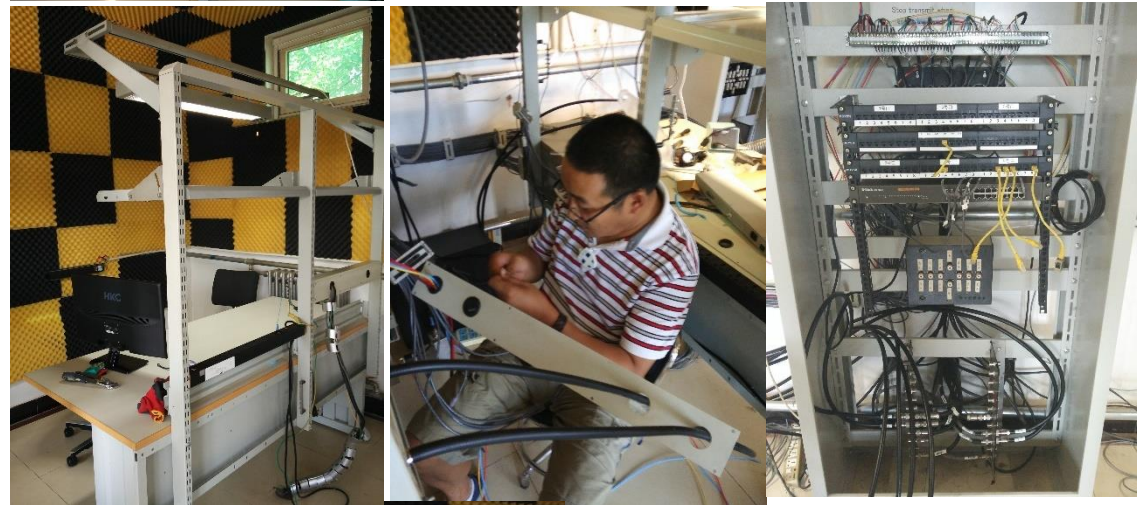
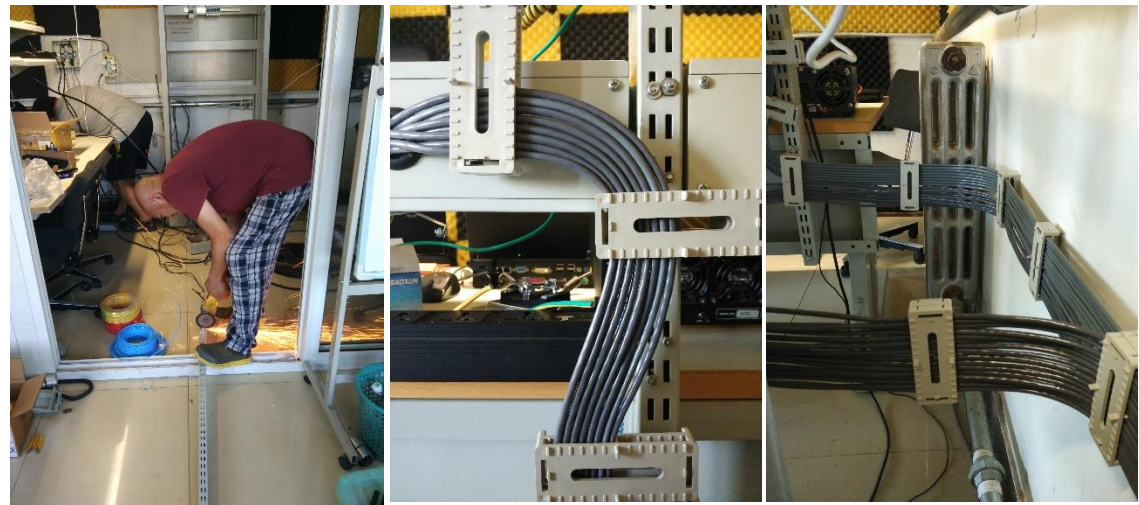


B1Z improvement Plan

Shack enhancement



Site designer: **BD1GO**



Welcome joining B1Z



OUR B1Z

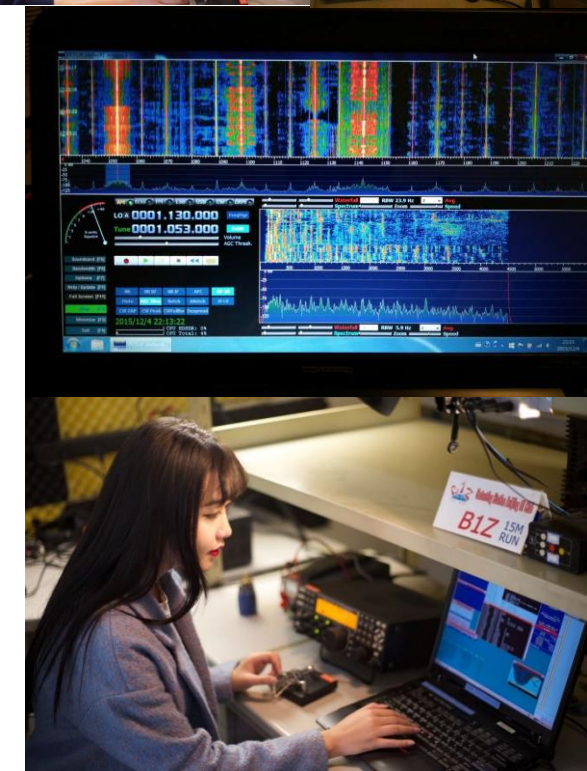
Open Society

Promoting Dxing, Contest and DXpedition ;

We participate most of the major contest using B1Z or B1W

Welcome joining B1Z family ;

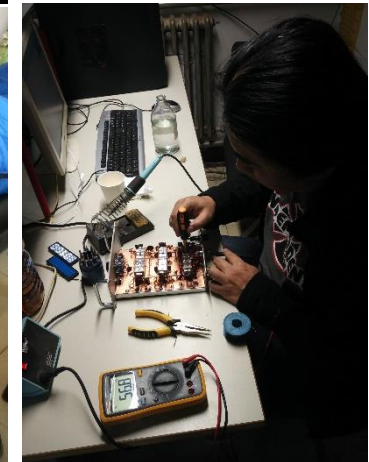
Promoting China DX contest, encourage activities between China ham radio operators and amateur radio operators all over the world ;



We are in Contest!



Delicious food !



Beautiful site and core team – Welcome to operate B1Z



03

Mulan DX Club / WAPC / QRP golden week

About Mulan DX Club



- The Mulan DX Club was established in 2009 as an online community, consist of top Chinese DX chasers and a bunch of enthusiastic contesters. It was named after the ancient hunting fields of the Qing dynasty for the emperor and his royal family. Amateur radio sometimes is just like hunting and fishing, especially the DXing. You get up early in the morning and stay late into the night waiting for a weak signal which may never come through. However, by hard working and persistency, a DXer may success and they will shares the same joy of the new prefix with the community.
- The Club to share DX information and fun in a timely manner, to lead and promote BY's amateur radio DXing and competition.
- Eligible for those confirmed at least 150 DXCC entities.

Members List of Mulan DX Club (54)



- BA7NQ BA7CK BA5CW BA4EG BD4AHD BD4SP BH4SCF BA2IA BA1RB
BD7OZG BA9TX BH4SYG
BD5FFK BD4AGK BD4CB BA8IK BH7PFH BA6QR
BD7LMD BD1TX BD7OB BD4GNV BG2AUE BA1KW
VR2YDC BD0AAI BD7BM BA5CJ BD8SZ BA7JA BG8GAM BD4SX BD4FF
M BA1PK BA7NO BA7JS BD6AHU
BG9HKP BD4TS BA7IA BG5EEF BD1RX
VR2XLN VR2KW BA7LO BA4RF BG3UPA BD6IQD BA7MY VR2XMT BG7
AA BD4WN BA5AD BA7IO

About The WAPC



- The WAPC(Work All Provinces of China) is the first Chinese sponsored ham radio DX contest. The contest encourages amateur radio operators around the world to work Chinese provinces as many as possible. The 1st WAPC contest was held in 2012. The WAPC now begins on the **third full Saturday of April every year**, starting from 0600z and lasting for 24 hours.
- There are a total of 34 Chinese Provinces, Municipalities, Autonomous Regions, and Special Administration Zones. Know better of China starting with working the WAPC contest! The WAPC is fast growing and your participation is important to us. We are also offering a WAPC award program for amateurs who have successfully worked all the 34 Chinese provincial entities within or out of the WAPC contest period. Check out the WAPC rules at: <http://www.mulandxc.org>

Sample of WAPC award



CRAC QRP Golden Week HF contest

- 1st CRAC QRP Golden Week in 2016.
- All participants got awards in 2016.
- The full week including 17 June, which IARU designated as “QRP day”. Duration is 7 days.
- All station including QRP station and QRO are welcome.
- Encourage field operation and DIY rig, will get special endorsements if you are field operation or operate using DIY equipment.
- 2017 rules will be published soon on www.crac.org.cn.



04

Ham Products in China

FX-9A 160m – 10m transceiver, 10W MAX – By BG2FX



X5105 HF QRP Transceiver, MAX Power 5W – By BG8HT



KN series, Design and manufactured by BA6BF



HB1 Series, 3 bands, 5W MAX, Design and manufactured by BD4RG



S9C SDR receiver, it is capable for direct linking to CW skimmer server, providing up to 8 bands local spots with 1 box – Manufactured by BD1CM and BD1GO



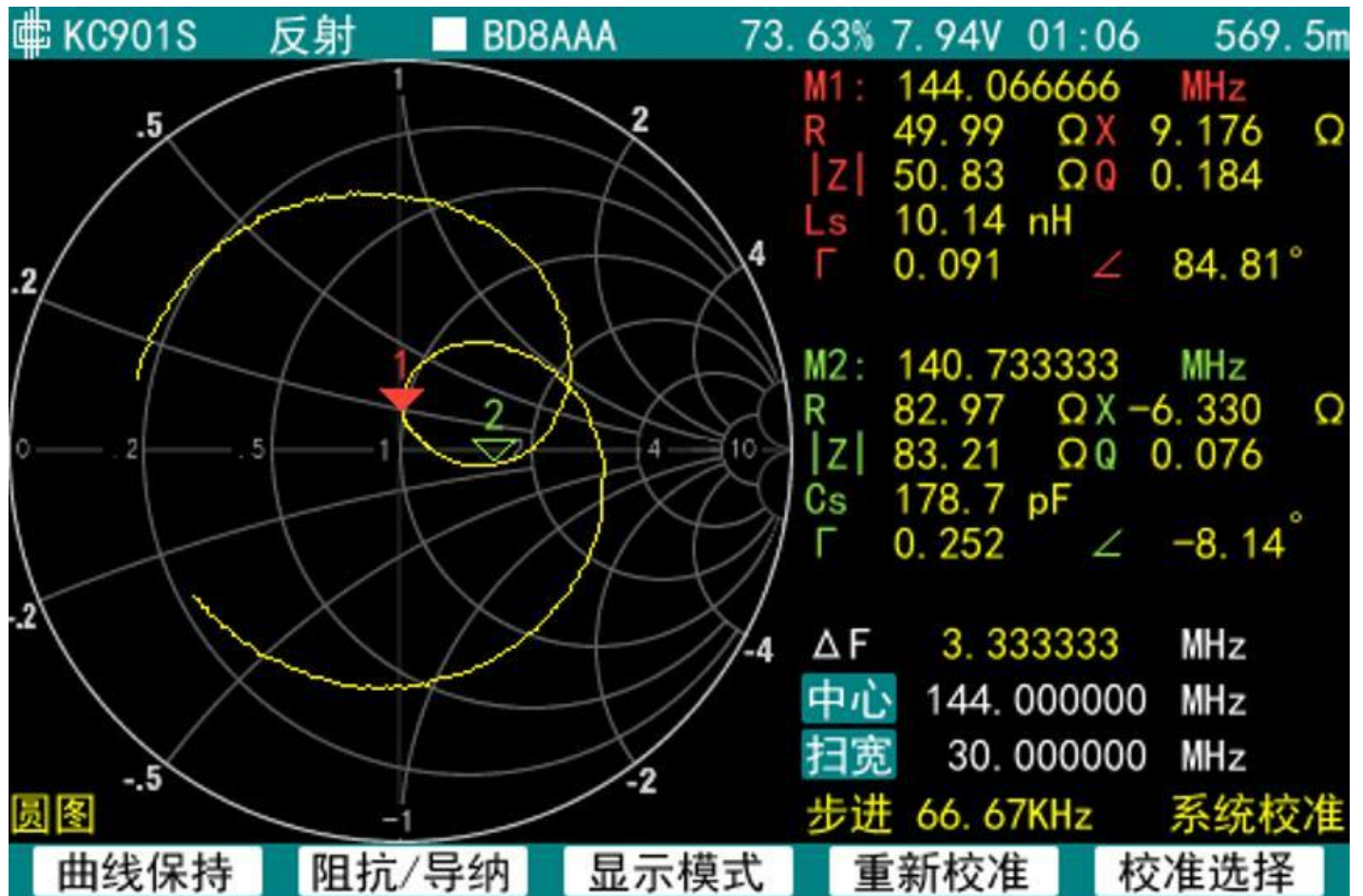
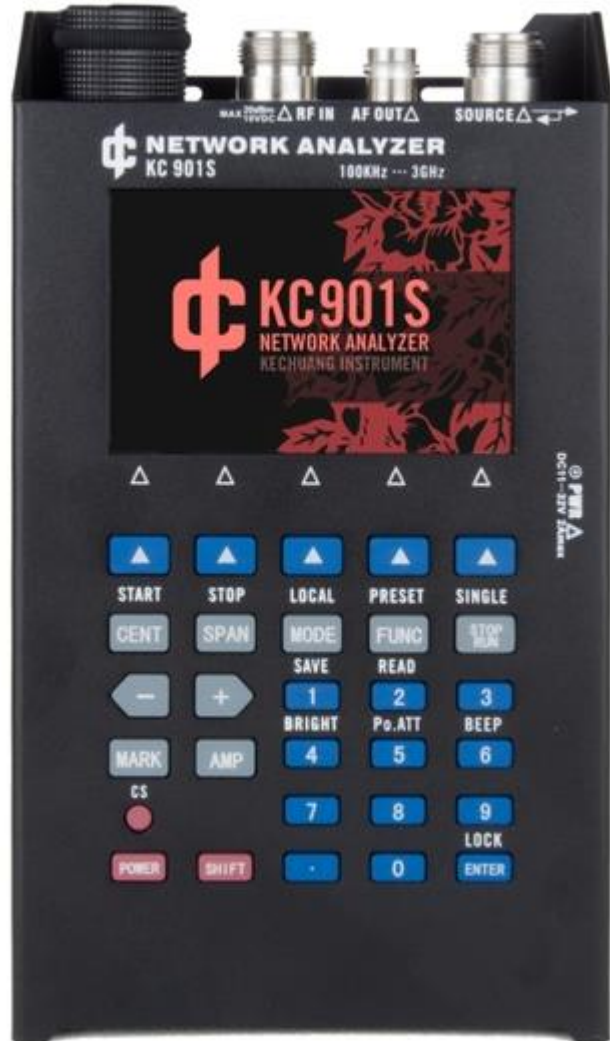
XPA-125 100W Power Amplifier and Antenna Tuner – By BG8HT



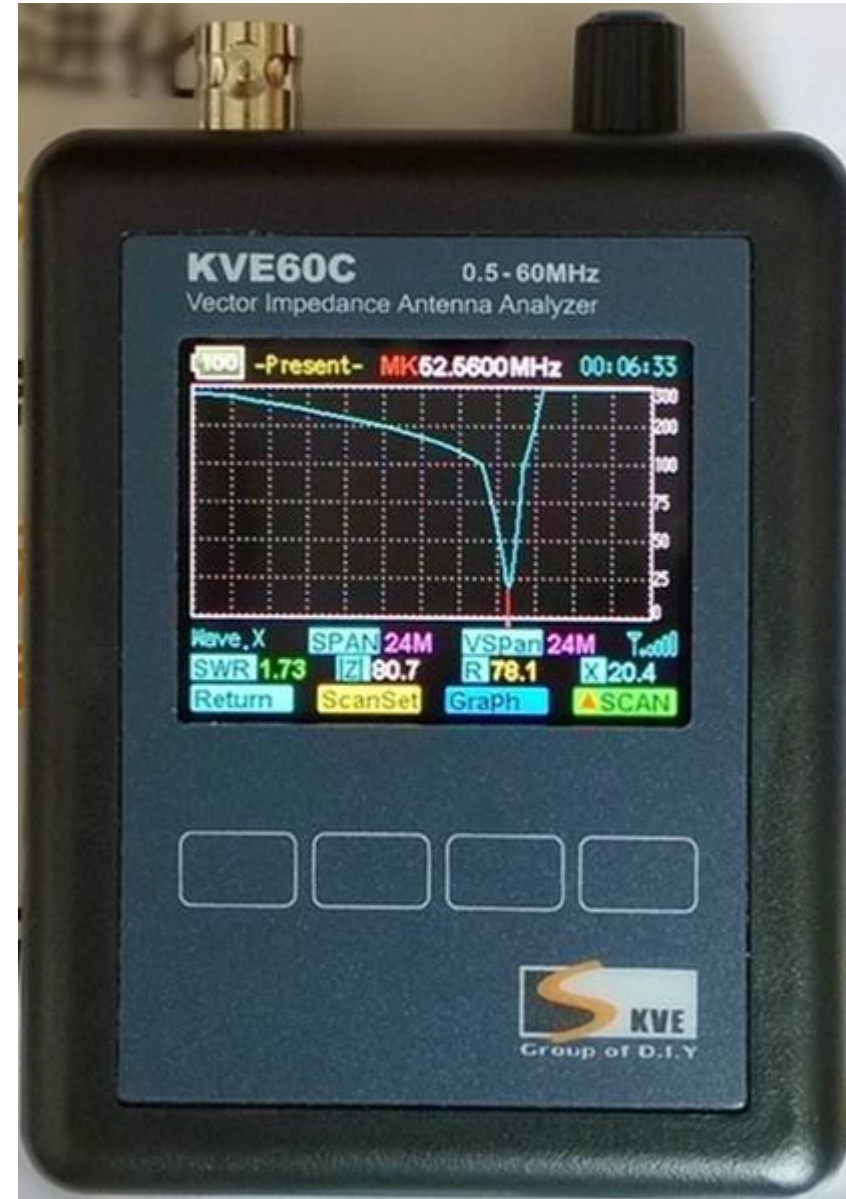
mAT Antenna Tuner – By BG3MZU



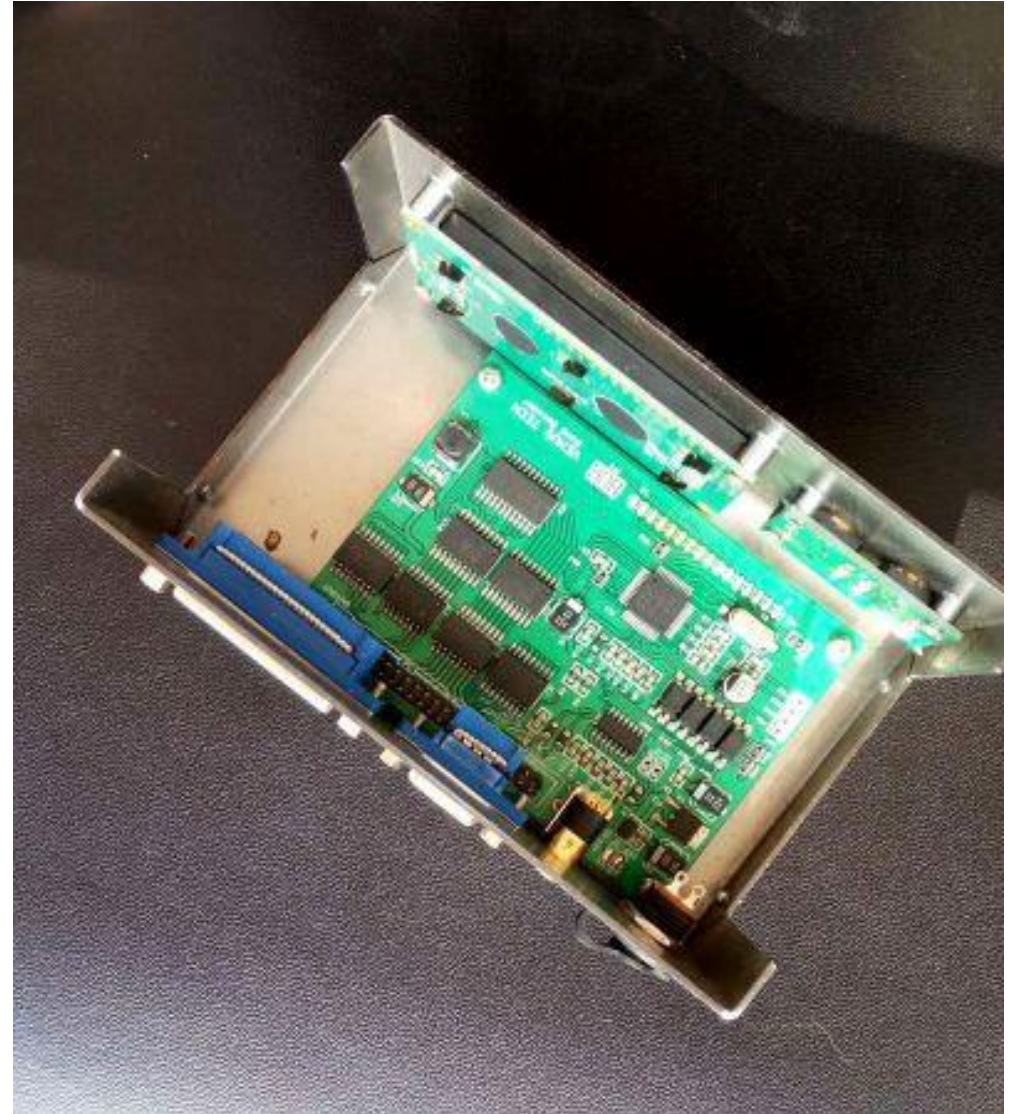
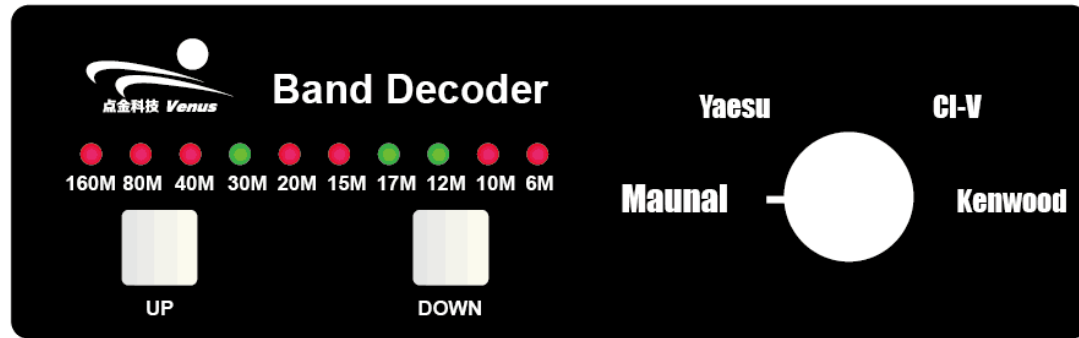
KC901S Vector Network Analyzer – BD8AAA



KVE60C 0.5-60MHz Antenna Analyzer, VHF / UHF version available as well – By BH7KVG



BA4TB Band decoder – Support ICOM, YAESU, KENWOOD and Elecraft



BA4TB Win-Keyer, Base on K3NG



BA4TB Micro GPRS beacon, all in one – Manufactured by BD7LM



10m fiber glass pole and 10.68m stainless pole – by BA4TB, perfect for DXpedition

Fluorocarbon paint, super anti-solaris



BD3MN Amptech Power Amplifier – Using China Ceramic Tubes



AMPTEC LA1200

made in China, is the latest manual tuning shortwave power amplifier. With the Military FU250F vacuum tube adopted, it can easily output 1200W. A large industrial LCD screen of 5 inches is equipped. An independent filament transformer with the tap of 6V can be a direct substitute (4cx250b). Besides, I can offer quite good after-sales service and a reasonable price.



AMPTEC LA2000

made in China, is the latest manual tuning shortwave power amplifier. With the Military FU728F vacuum tube adopted, it can easily output 2000W. A large industrial LCD screen of 7 inches is equipped. An independent filament transformer with the tap of 6V can be a direct substitute (4cx1500b). Besides, I can offer quite good after-sales service and a reasonable price.



05

Guest operation in China

Guest Operation in China

- 1) Application form (Click here to download: [Application Form](#)) signed by the applicant with the commitment to Comply with radio laws and regulations of China” (in Chinese or English, submitted in pdf or jpg format. Refer to annex or be downloaded from www.crac.org.cn) ;
- 2) Text version of visitor’s information (submitted in txt or doc format. Refer to Annex) :
- 3) An image copy of the valid travel certificate and Chinese visa (submitted in pdf or jpg format, with resolution no less than 1000 pixel in height) ;
- 4) An image copy of the home amateur radio license (submitted in pdf or jpg format, with resolution no less than 1000 pixel in height) ;
- 5) An ID photo (submitted in pdf or jpg format, with resolution no less than 600 pixel in height) ;

Application detail Link: <http://www.crac.org.cn/?p=1646>

No service charge

Electronic copy, print out by yourself

Send to: licensing@crac.org.cn



06

BS7H brief update

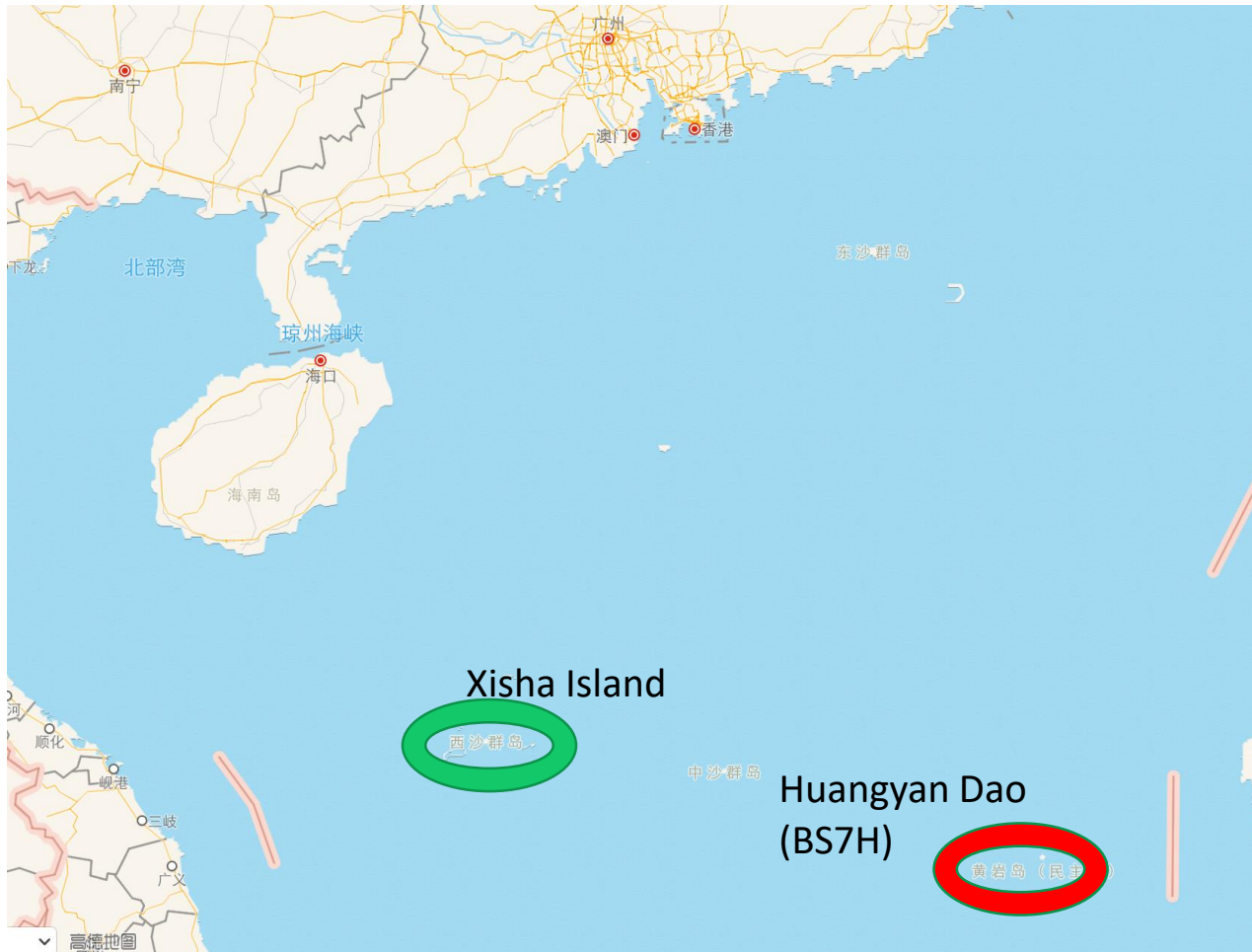
BS7H brief update

Originally planned in May of 2016

Due to logistics and administration arrangement, it was delayed

Still trying to find opportunity and will update once confirmed

May try Xisha island Dxpedition in 2017





THANK
YOU

PRESENTED BY **BA1RB / AESOR**