



To IK1MNJ Via JA1OYY om

My Small loop Ant's, in JA & HL.

①: First, about naming of "Small Loop"!

I proposed it to my experiment article JA CQ magazine 1994-10-P229 introduced with JA for the first time to call it "Small Loop" of the naming which he used to express respect to W5QJR that theory was analyzed first.

Other antennas are expressly "an electric field type loop" or an electric field type Dipole if "Small Loop" is called "a magnetic field type Loop" or "MLA" aside from the trade name.

Don't you think that it is a little funny?

I have usually thought that it is unpleasant in the recent disorder of "the technological term".

You don't forget that "MAGNETIC LOOP" is the trade name of the DL2FA!

②: The history of Small Loop in JA .

- 1 : I introduced the Loop-ANT experiment example of WA7CUS and W7UGV to "the antenna, handbook of JA" in July, 1970. (From "Down to Earth Army Antenna" on electronics journal)
- 2: As for the experiment example for the first HF use, I announced "the experiment, article of Small Loop" on the JA-CQ Ham radio magazine in August, 1994.
- 3: I announced the experiment example of Small Loop for the first HF on the JA-CQ Ham radio magazine in August, 1994.
As for this, W5QJR referred to the article of "QST" in June, 1985 of Small Loop that theory was analyzed.
- 4: I tested the various characters of the Small loop, antenna by using VHF-Scale-model after that, and the actual measurement data of directivity and Gain etc were collected. This was announced with a title of "the various character, experiments of the Small loop, antenna" in a JA-CQ Ham radio magazine February issue 1995.
- 5: After that, formal License during the stay **seven years** was received in South Korea to verify the practical use of Small Loop.
45 entities and QSO were made in the frequency of **1.8~54MHz** as an applied result of using "All Band Small Loop" with "HL5/JA6HW".

①: First, about "Small Loop" in HL 5/JA6HW !



Know-How for the personal computer beginner

I have "IT-Leader No:14YKS0015" qualification authentication in Fukuoka Prefecture .

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수신 SUMI YHOJI
참조

Callsign of Fixed Station in South Korea

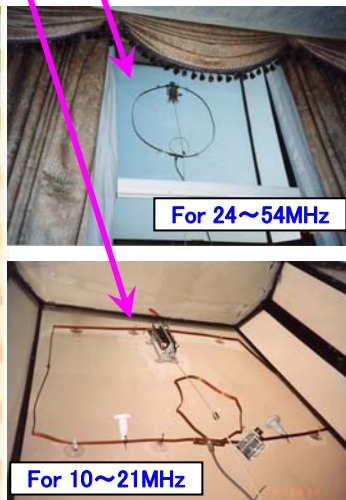
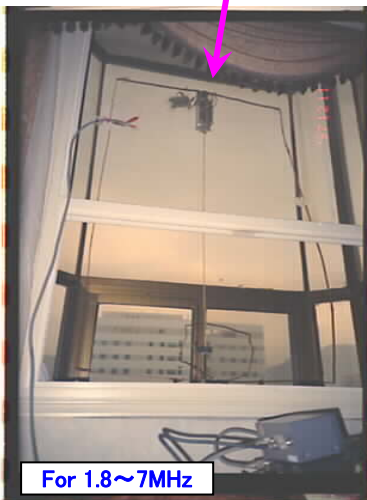
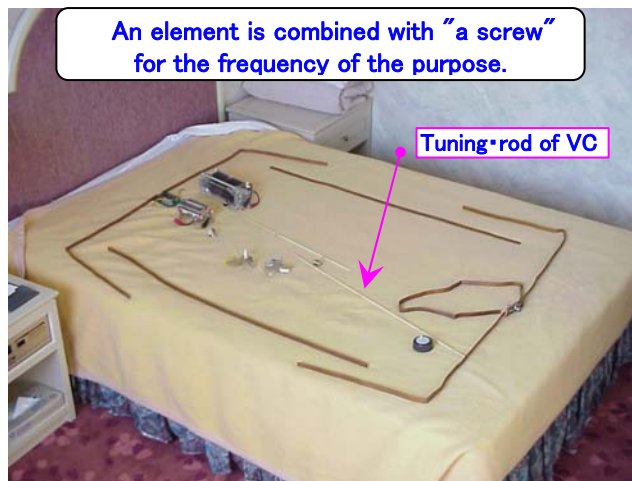
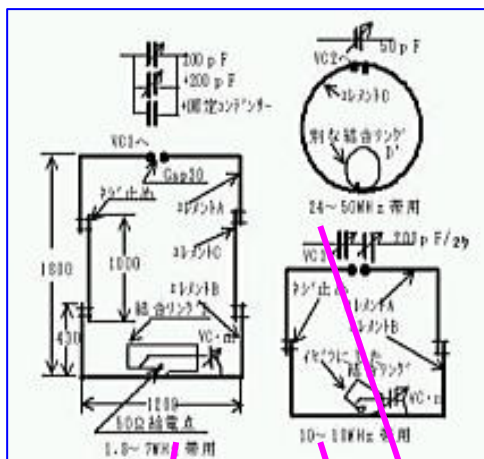
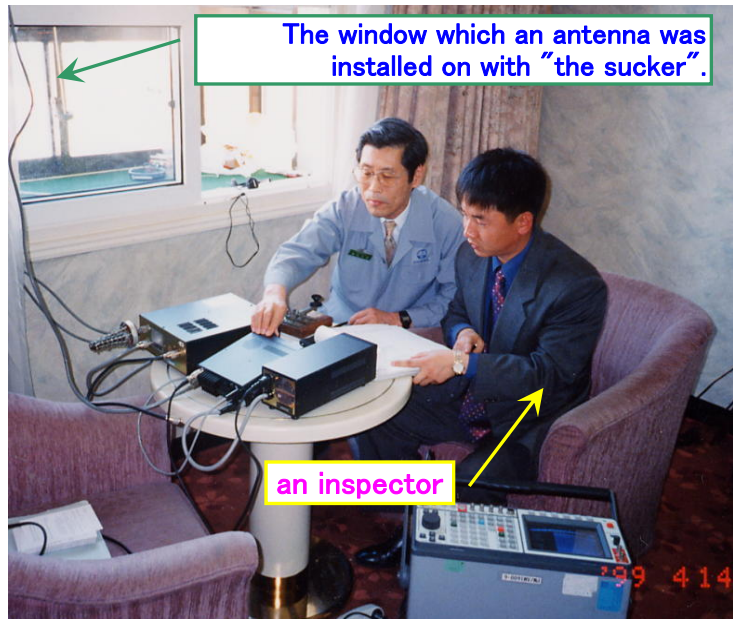
제목: 무선국(이마추어국) 기항가

1. 귀하가 신청하신 **HL5/JA6HW** (이마추어국) 무선국을 전파법 제7조의 규정에 의거 다들고 같이 기항가 합니다. (단, 전파법 제6조의 규정에 의한 결격사유가 발생된 때에는 기항가를 취소하는 조건임) 가. 기항가사항: 무선국 기항가 시험서 참조 나. 공사가 완료되면 아래의 서류를 첨부한 준공신고서를 한국무선국 관리사업단 마산사업소에 제출하여 승인을 받으시기 바랍니다. 보안교육필증사본

2. 기항내 준공이 불가능할시는 기한경과전에 준공기한 연장신청서(1회에 한하여 1년 이내 연장가능)를 제출하여 승인을 받으시기 바랍니다. 불 일 무선국 기항가시험서 1부. 끝.

固定局として
竣工検査合格後の
無線局許可証 1ページ目

부 산 체 신 청 장



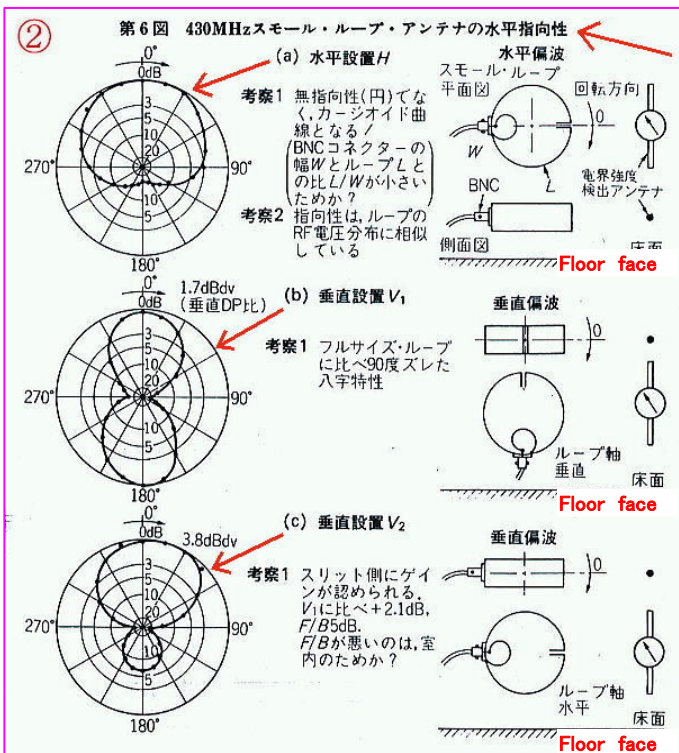
The sucker installed on the high frequency part, high electric potential melted!



Small Loop is careful of the damage to the human body by the strong magnetic field which approached!

②: The data that the various characters of SL were measured .

1) : The installation posture of SL, pointing and Polarization direction .
It can get "Gain" though it is little corresponding to the installation posture of SL, too.



2) : It can get "Gain" when a reflection board is put on SL.

