

RULES IARU REGION 1 UHF/MICROWAVES OCTOBER CONTEST

1. Eligible entrants

All licensed radio amateurs in Region 1 can participate in the contest. Multiple operator entries will be accepted, provided only one callsign is used during the contest ¹). The contestants must operate within the letter and spirit of the contest and at no greater power than permitted in the ordinary licenses of their country. Stations operating under special high power licenses do so "hors concours" and cannot be placed in the contest proper. Stations operating temporarily outside their "home-country" are for the purpose of the contest participating as stations in the country where they operate and their logs will have to be submitted to the VHF-Manager/Contest Committee of that country. Logs sent to the contest committee of their home country shall not be submitted to the adjudicating society!

2. Contest sections

For 432 MHz and for the higher frequency amateur bands till 10 GHz inclusive there will be two sections, as defined under point 2 of the rules of the September contest. Furthermore, there will be two sections, as defined under point 2 of the rules for the September contest, for the combined group of amateur bands above 10 GHz, the so-called millimetre group ²).

No more than one transmitter per band may be in use at any one time. **All the equipment of the station (transmitters, receivers and antennas, etc) must be located within a single circle of no greater than 500 metres diameter.** "

A participating station must operate from the same location throughout the event.

3. Date of contest

The contest will start on the first Saturday of October.

4. - 7. As for September contest with the following additions and/or modifications :

- rule 5 - a station can only be worked once on each band
- rule 6 - F2A may be used above 1 GHz
- rule 7 - Serial numbering of contacts commences with 001 for the first contact on each band, increasing by one for each successive contact on that band.

8. Scoring

For the amateur bands till 10 GHz inclusive, points will be scored on the basis of one point per kilometre, i.e. the calculated distance in kms will be truncated to an integer value and 1 km will be added

In order to make contest scores comparable, for the conversion from degrees to kilometres a factor of 111.2 should be used when calculating distances with the aid of the spherical geometry equation (Noordwijkerhout, 1987).

For the combined higher bands the score will be the sum of the points scored on each of the bands, using the following multiplication factors for the number of kilometres scored on each band :

24 Ghz	1 x	120 GHz	5 x
47 GHz	2 x	145 GHz	6 x
75/80 GHz	3 x	245 GHz	10 x

9. - 10. As for the September contest.

¹Multi-operator entries are accepted for participation. When such stations use a different call sign on each band, the logs of that Multi-operator entry shall for each band clearly bear an indication of the group. This will preferably be one of the call signs used, but a group name may be used instead. All stations belonging to such a group shall operate from the same location, i.e. **All the equipment of the stations (transmitters, receivers and antennas, etc) must be located within a single circle of no greater than 500 metres diameter.** "

² The millimetre group was introduced during the meeting of the VHF Working Group in Vienna, March 1986, with the aim of promoting the use of these Amateur Service bands. In October 1987 this extended rule was applied for the first time.

11. Awards

Section winners

Certificates will be issued by the organising society to the winners in the two sections on each band.

Overall winners

For each section an overall winner of the IARU Region 1 UHF/Microwaves contest will be declared. For this competition the scores of the entrants on the following bands ³⁾ will be combined, using an adaptive multiplier system:

435 MHz
1.3 GHz
2.4 GHz
5.7 GHz
10 GHz
millimetre group

The multipliers to be used for the determination of the overall scores in each sector are found as follows:

The multiplier is equal to the ratio between the highest number of points scored by **any** participating station on the 435 MHz band and the highest number of points scored by **any** participating station on the band for which the multiplier is being determined.

For the millimetre group the scores as determined according to rule 8 are used for the determination of this group's multiplier.

The entrants scoring highest in each section will be awarded the IARU REGION 1 CERTIFICATE. The organising society will receive the certificates from the chairman of the VHF/UHF/Microwaves committee (signed by the R1 secretary) and will send those after having filled in the relevant data and after signature to the winners in each of the two sections.

12. As for September contest

See also the notes for information of participating societies at the end of the September contest rules.

³ As the 3.4 GHz band is not yet available in all countries within Region 1, the 3.4 GHz results will not be taken into account when determining the overall winners of the sections in the October IARU Region 1 UHF/Microwaves contest (Noordwijkerhout 1987)