

2020 SV-QRP International Low Power Marathon

The purpose of this Marathon is to increase the QRP activity. Using the WW (Maidenhead) Locators and the power level of the two communicating stations, the longest "contact distance" using QRP power can be determined. (See the calculation formula below).

The 5th International SV-QRP Marathon will run from:

October 20th (00.00 UTC) till November 30th (23.59 UTC) 2020

That is 42 days, as the Classic Athens Marathon Run course has the length of 42 kilometers.

This Ham activity is not a contest. You can think of it as a statistical "game" dealing with low power levels and a long continuous presence on the HF bands of Ham stations using QRP practices.

The process and study of the received log entries and QSOs can assist to the extraction of useful information about the propagation using low power, at this time of the Solar cycle.

The rules:

All Radio Amateurs over the world that are keen on QRP operation are welcomed to participate.

Contacts can be carried out in all the HF bands from 10m to 160 m, including the WARC bands, using the following modes: CW, SSB, DIGITAL (RTTY and PSK31 **only please no FT8**).

It is not necessary to call "CQ contest!" nor do we exchange any serial number. We simply try making contacts by calling "CQ" or "CQDX". Then upon establishing contact with the other station we ask for its QTH Locator and its transmitting power.

Marathon participants should use QRP power levels of 5 watts or less, with any antenna type. The other (corresponding) station in the QSO however, may use any power level and antenna type.

QRP participants are permitted to ask the contacted station to reduce power during the QSO, so that a better result/score can be achieved. Such request could "motivate" the other station to make more frequent QRP calls in the future and enjoy the QRP mentality and practice.

At the same time it is acceptable for the QRP station to further decrease its low transmitting power to the level where the communication between the two parties can be sustained.

Only one (1) QSO on each HF band can be logged for each day. We can therefore select to log the best QSO for each band.

Attention! The same station may be contacted on another band at the same day, only if it is operated from a different Locator.

Registered contacts having a distance of less than **200 kilometers** should not be logged, as they do not make sense.

To calculate the "reference distance" we use the formula.

This type is courtesy of RW3AA

$$Z = \frac{L}{\sqrt{P_1 * P_2}}$$

$Z = L / \text{sqrt}(P_1 * P_2)$

Z - QSO reference distance.

L - distance in kilometers

P1 and P2 - transmitting power in Watts

Log's:

Download the "Download Log form" from <http://www.aegeandxgroup.gr/index.html> and open the spreadsheet.

{ The values in the power "cells" are "indicative" so as not to create a problem (#div/0) in the appearance of the spreadsheet. Only change the power to the cells you are interested in, leave the others as they are. Without completing the distance the result as you see is zero (0) }

- A. In cell E1 fill in your Call Sing
- B. Fill in your own QTH Locator in cell H1

and you are ready to register QSO in the Band that was done.

- the time UTC (cell C)
- the Call of the station (cell D),
- the operating mode (cell E),
- the QTH loc of the station (cell F),
- the power of the other (cell G),
- your power (cell H).

If you can calculate the distance with a program (we use the K7FRY program which you will find on the website <https://k7fry.com/grid/>) then enter the distance in kilometers (cells I).

This will give you a direct reference to the "reference distance" or better the degrees corresponding to this QSO

If you can not, we will do it when you send the Log at the end of the contest, in this case will inform you of your performance before publication for any objections.

Submission of calendars until December 10, 2020 at the email address sv8cyr@gmail.gr

The reliability of the entries lies in the honesty of the contestants.

Information remarks in the email sv8cyr@gmail.com

72/73 Good Race