



# ARI

## Associazione Radioamatori Italiani

### 5<sup>th</sup> A.R.I. Italian EME Trophy – 2019

## Rules

**Spring Session:** from 00.00 UTC of **May 11<sup>th</sup>** to 24.00 UTC of **May 12<sup>th</sup> 2019**

**Autumn Session:** from 00.00 UTC of **September 28<sup>th</sup>** to 24.00 UTC of **September 29<sup>th</sup> 2019**

- **Bands:** 144 MHz – 432 MHz - 1.2 GHz - 2.3 GHz - 5.7 GHz - 10 GHz - Separate classification for each band
- **Modes:** Analog Modes : CW - SSB  
Digital Modes : JT65B et similia  
Only via Moon Reflection (EME)

*It's possible to work the same station once for each mode Analog or Digital with a maximum of 2 QSOs during the same session : (1 qso in CW or SSB and 1 qso in Digital Modes)*

- **Categories for bands:**

Stations are subdivided by type of antenna used.

For yagi antennas the total length (distance reflector-last director), in wavelengths, is taken in account multiplied by the number of yagis in the antenna array.

In case of H/V or Circular polarization yagi antennas system we will take in account only the longest one.

For the parabolic dishes we take in account the diameter's length.

### **Mix Mode (Digi & CW/SSB)**

**Category: 144 MHz. 1 wl = 2,08 m = 82" = 6' 10"**

Cat.	Yagi
A-mix	< 4 wl
B-mix	< 9 wl
C-mix	< 20 wl
D-mix	>20 wl

**Single Category : 432 MHz**

**Category: 1.2 - 2.3 - 5.7 - 10 GHz.**

Cat.	Dish
A-mix	< 3m (10') & Yagi
B-mix	> 3m (10')

### **Analog Modes (CW/SSB)**

**Single Category : 144 MHz CW/SSB**

**Single Category : 432 MHz CW/SSB**

**Category: 1.2 GHz CW/SSB**

Cat.	Dish
A	< 3m (10') & Yagi
B	> 3m (10')

**Single Category: MW 2.3 - 5.7 - 10 GHz CW/SSB**

**The score calculation will be made exclusively by the contest manager.**

Every score will be weighted following the bottom table and then added together.

<b>2,3 GHz</b>	<b>x 3</b>
<b>5,7 GHz</b>	<b>x 5</b>
<b>10 GHz</b>	<b>x 7</b>

le: 10 points on 2.3 GHz. = 30 points – 5 points on 5.7 GHz. = 25 points -5 points on 10 GHz. =35 points

- **Multiband**

Every station, that will send their logs in at least 2 bands from 1.2 GHz till 10 GHz regardless of the category and score, will be put into a Multiband Classification. Every score will be weighted following the bottom table and then added together.

<b>1,2 GHz</b>	<b>x 1</b>
<b>2,3 GHz</b>	<b>x 3</b>
<b>5,7 GHz</b>	<b>x 5</b>
<b>10 GHz</b>	<b>x 7</b>

**The score calculation for the Multiband category will be made exclusively by the contest manager.**

If there will be a single participant on CW-SSB category, this will be moved into Mix homologous category for the same band.  
If there will be a single participant on Mix category, this will be moved into CW-SSB homologous category for the same band.

- **Downgrading:**

If the first station of each category scores less than the first of the lower category, the whole category is moved into the lower one.

- **QSO Points:**

4 points for each CW/SSB QSO  
1 point for each Digital QSO

- **Multipliers:**

Every Italian station worked counts as **multiplier x2 on analogic mode x1 on digital mode**  
If you work the same Italian station on both modes (analog and digital) you have two multipliers (x3).  
(If there are no Italian stations in the log the sum of points will be the Final Total Score)

- **Total Score:**

Total Score = Total of QSO points \* Total of Multipliers

*For example :*

*[5 qso CW (20 pts) + 25 qso DIG (25 pts)] \* [3 Italian stations wkd (6 mults)] = 45\*6= 270 points*

*For a log without Italian stations worked :*

*[5 qso CW (20 pts) + 25 qso DIG (25 pts)] = 45 points*

- **Prizes:**

Every First Station of each category on each session will receive a prize.  
All participants will receive an certificate downloadable from ARI web-site  
If someone wins more than one category, he gets only one prize and certificates for the other categories won, while the prize for these categories goes to the second placed in the classification.

- **Trophy Score:**

All Stations that took part in both sessions in the same categories will participate to the Final ARI EME Trophy.  
The Trophy's score will be the sum of the scores obtained in every session.  
The First Station in each category will receive a prize; all the participants will receive a certificate downloadable from ARI web-site.

- **Log entries:**

Contest entries must be sent **within 30 days after the contest** only via e-mail to :

[i5wbe@i5wbe.it](mailto:i5wbe@i5wbe.it)

The log must contain a general section with: Call used, Name, Address (including e-mail), QTH Locator, Band, Category, Power, Antenna type and dimensions in wavelenght.

Each QSO line in the log must contain Date, Time (UTC), Call, QSO Points, Multipliers per band of participation.  
At the end of the log must be indicated Total QSO Points, Total Multipliers, Total Score Declared

It is preferred excel format logs (xls or xlsx) like the facsimile available at the following link :

<http://www.eme2008.org/ari-eme/contest.html>

Comments about conditions and pictures are welcome.

- **Notes:**

It's allowed to indicate own cq frequency on chats and EME Logger.

Every station that during the contest will exchange information about the QSO through these chat or logger will be considered as Check Log. **Only Call and CQ Frequencies are allowed.**

The final judging of the entries are responsibility of the contest manager, whose decision is final. Entrants deliberately contravening any of these rules, attempting fraud or flagrantly disregarding the IARU bandplans will be disqualified.

**ARI EME Contest Manager  
Enrico Baldacci I5WBE**