

ARRL EME Contest

About

Objective: To work as many amateur stations as possible via the earth-moon-earth path on any authorized amateur frequency above 50 MHz.

- **Dates-**
Three full weekend 48-hour periods (0000 UTC on Saturday through 2359 UTC Sunday). Dates for 2020 are:

Weekend # 1 - 2.3 GHz & Up - September 12-13

Weekends # 2/3 - 50 to 1296 MHz - October 10-11, November 28-29
- **Bands+**
- **Log Submission Deadline *30 days after final weekend*+**
- **Terms Of Entry+**
- **Contact Information+**
- **Awards+**
- **Entry Methods and Forms+**
- **Results+**

Contest Details

1. Object: Two-way communications via the earth-moon-earth path on any authorized amateur frequency above 50 MHz.

2. Date and Contest Period: Three full weekend 48-hour periods (0000 UTC on Saturday through 2359 UTC Sunday). 2020 dates and designated bands:

- **September 12-13, 2020:** 2.3+ GHz
- **October 10-11, 2020:** 50-1296 MHz
- **November 28-29, 2020:** 50-1296 MHz

3. Entry Categories:

3.1. Single Operator All Mode: Any combination of CW, phone, or digital modes. Available for all bands.

3.2. Single Operator CW Only: 144, 432, and 1296 MHz bands and Multi band logs.

3.3. Multioperator All Mode: Any combination of CW, phone, or digital modes. Available for all bands.

3.4. Multioperator CW Only: 144, 432, and 1296 MHz bands and Multi band logs.

4. Exchange: Each station must send and receive both call signs and a signal report in any mutually understood format, plus an acknowledgment of the calls and report. Partial or incomplete contacts should be indicated on your log, but not counted for contest credit.

5. Scoring:

5.1. QSO points: Count 100 points for each complete EME contact.

5.2. Multiplier: Each US State and Canadian Province, plus each DXCC entity (excluding the US/Canada) worked via EME on each band.

5.3. Final Score: Multiply QSO point total by the sum of multipliers worked from each band.

Miscellaneous:

6.1. A Multioperator entry may be made up of neighboring amateurs within one state, province, or non-US/Canadian DXCC entity, but with EME facilities for different bands on different team members' premises, as long as no two are more than 50 km (30 miles) apart. Multioperator neighborhood groups may use the same call signs at each location if permissible under national licensing rules and regulations. If not permissible, separate callsigns may be used for the multioperator neighborhood entry. When operating under this neighborhood provision, all logs must be submitted together in a single envelope or email with a single summary sheet showing the combined operation, designating the principal callsign for the entry. All multioperator callsigns will be shown in the results.

6.2. Stations may be worked for credit only once per band, regardless of mode.

6.3. All entrants, regardless of category, are permitted to use spotting assistance or nets including but not limited to DX-alerting nets, internet chat rooms, APRS and other packet, reverse beacon

networks and repeaters to identify stations available for contacts and to announce (self-spot) their availability for contacts. Announcements shall be limited to call sign, location, band or frequency, mode and—if applicable—transmitting sequence and listening direction. These methods of spotting assistance may also be used to coordinate antenna peaking prior to initiation of the contact and to explain contest rules, such as the exchange required, for those who need clarification. Such assistance may not be used to facilitate the completion of any contact once the contact has commenced. This means such assistance may not be used to convey receipt or non-receipt of any required element of a contact or to request a repeat of any required element of a contact.

6.4. Only one transmitted signal is allowed per band at any given time; alternating CQs on two or more frequencies using the same band and mode is prohibited.

6.5. There is no specified minimum terrestrial distance for contacts, but all communications must be copied over the EME path, regardless how strong (or weak) a nearby station's terrestrial signal may be.

6.6. Commercial Equipment: Stations using equipment that is not amateur-owned (such as a dish antenna or lab equipment owned by an institution or government agency) are ineligible for awards.

6.7. Each claimed contact must include contemporaneous direct initiation by the operator on both sides of the contact. Initiation of a contact may be either locally or by remote.

7. Reporting: Entries must include complete log - QSO - EME Exchange data - and mailed entries must include official ARRL EME Contest Summary Sheet. Official forms are available at the top of this page "Entry Methods and Forms" or with a SASE request to the Contest Branch. No other forms of the summary sheet will be accepted. Each line of QSO data in the log must contain band, mode, date and time in UTC, callsign of station worked, EME exchange sent, EME exchange received, each new multiplier, and points earned. Photocopies of the log form and official Summary Sheet are acceptable. **Participants must submit their event entry by the submission deadline via web app, or by postal mail as follows:**

Via our new web app at contests.arrl.org/arrlemescoresubmission.php - provide your event summary form detail in the web app header, then attach your Cabrillo file to your submission.

Or by mail to: **ARRL EME Contest, 225 Main St, Newington CT 06111**

Log Submission Deadline - All entries must be emailed or postmarked within 30 days after the event - no later than December 29, 2020.

8. Awards: Certificates (downloadable on line at <http://contests.arrl.org/certificates.php>) will be awarded in the following categories - and multiband entrants will also be listed in the single band tables, and are eligible for those awards:

8.1. Single operator, Multi-band, All Mode

8.2. Single operator, Multi-band, CW Only

8.3. Single operator, All Mode, for each single band.

8.4. Single operator, CW, for each of the single bands 144, 432, and 1296 MHz.

8.5. Multioperator, Multi-band, All Mode

8.6. Multioperator, Multi-band, CW Only

8.7. Multioperator, All Mode, for each single band.

8.8. Multioperator, CW, for each of the single bands 144, 432, and 1296 MHz.

9. Other:

9.1. See "[General Rules for All ARRL Contests](#)" and "[General Rules for ARRL Contests on bands above 50 MHz \(VHF\)](#)."