



Options for Field Day 2021

South Pasadena Amateur Radio Club | W6SPR

June 2, 2021

Scratching the Surface

These slides are no substitute for reading the rules yourself.

And there are a lot of rules.



ARRL Field Day 2021 Rules



Temporary Rule Waivers for ARRL Field Day 2021:

For Field Day 2021 only, Class D stations may contact all other Field Day stations, including other Class D stations, for points. Class D and Class E stations are limited to 150 Watts PEP. (See Field Day rule 4.6)

1. Eligibility: Field Day is open to all amateurs in the areas covered by the ARRL/RAC Field Organizations and countries within IARU Region 2. DX stations residing in other regions may be contacted for credit and may submit entries as check-logs.

2. Object: To work as many stations as possible on the 160, 80, 40, 20, 15 and 10 Meter HF bands, as well as all bands 50 MHz and above, and in doing so to learn to operate in abnormal situations in less than optimal conditions. A premium is placed on developing skills to meet the challenges of emergency preparedness as well as to acquaint the general public with the capabilities of Amateur Radio.

3. Date and Time Period: Field Day 2021 will be held June 26-27. Field Day is ALWAYS the fourth full weekend of June, beginning at 1800 UTC Saturday and ending at 2059 UTC Sunday.

3.1. Class A and B (see below) stations that do not begin setting up until 1800 UTC on Saturday may operate the entire 27-hour Field Day period.

3.2. Stations who begin setting up before 1800 UTC Saturday may work only 24 consecutive hours, commencing when on-the-air operations begin.

3.3. No class A or B station may begin its set-up earlier than 0000 UTC on the Friday (Thursday afternoon or evening local time) preceding the Field Day period. Cumulative set-up time shall not exceed a total of 24 hours.

4. Entry Categories: Field Day entries are classified according to the maximum number of *simultaneously* transmitted signals, followed by a designator indicating the nature of their individual or group participation. The minimum number of transmitters that must be claimed is one (1). Twenty (20) transmitters maximum are eligible for the purpose of calculating bonus points (2,000 points maximum). However, additional transmitters which may legitimately be used simultaneously will determine your entry category classification, but will not earn additional bonus points (i.e. 22 transmitters = 22A). The use of switching systems that allow for lock-outs in order to use multiple transmitters (i.e., an "octopus") in an attempt to enter a lower-number-of-transmitters class are prohibited (i.e. using 2 transmitters that can transmit simultaneously, with two operators, and a lock-out system and entering class 1A). The use of simulcasting devices which allow a single operator to key and transmit on more than one transmitter at a time, is prohibited. **Bonus stations, such as the GOTA station and satellite station do not count towards determining the number of transmitters for the class and do not qualify for transmitter bonus points.**

4.1. (Class A) Club / non-club portable: Club or a non-club group of three or more persons set up specifically for Field Day. Such stations must be located in places that are not regular station locations and must not use facilities installed for permanent station use, or use any structure installed permanently for Field Day. A single licensee or trustee for the entry is responsible for the group entry. All equipment (including antennas) must lie within a circle whose diameter does not exceed 300 meters (1000 feet). To be listed as Class A, all contacts must be made with transmitter(s) and receiver(s) operating independent of commercial power mains. Entrants whom for any reason operate a transmitter or receiver from a commercial main for one or more contacts will be listed separately as Class A-Commercial.

4.1.1. Get-On-The-Air (GOTA) Station. Any Class A (or F) entry whose transmitter classification is two or more transmitters may also operate one additional station without changing its base entry category, known as the GET-ON-THE-AIR (GOTA) station. **This GOTA station may operate on any Field Day band, HF or VHF, but is limited to one GOTA station transmitted signal at any time.**

4.1.1.1. This station must use a different callsign from the primary Field Day station. The GOTA station must use the same callsign for the duration of the event regardless if operators change. **The GOTA station uses the same exchange as its parent.**

4.1.1.2. **The GOTA station may be operated by any person licensed since the previous year's Field Day, regardless of license class. It may also be operated by a generally inactive licensee. Non-licensed persons may participate under the direct supervision of an appropriate control operator. A list of operators and participants must be included on the required summary sheet to ARRL HQ.**

Objective of Field Day

Work as many stations as possible on...

- 160, 80, 40, 20, 15 and 10 meters
- all bands 50 MHz and above (2m, 440!)

and learn to operate in less than optimal conditions.



When Is Field Day 2021?

Start

Saturday, June 26, 11:00 am PDT (1800 UTC)

End

Sunday, June 27, 1:59 pm PDT (2059 UTC)



Operating Classes

Classes have two parts:

- ▶ maximum NUMBER of simultaneously transmitted signals
- ▶ LETTER designator indicating nature of station



Class A

- ▶ PORTABLE
- ▶ Three or more persons (your family?)
- ▶ Not regular station location
- ▶ Independent of commercial power (or “Class A-Commercial”)



Class A-Battery

- ▶ Same as Class A but...
- ▶ All contacts made using 5 Watts or less
- ▶ No commercial power or motor-driven generator
- ▶ Batteries, solar cells, water-driven generators, etc.

Class B / Class B-Battery

- ▶ ONE OR TWO PERSON PORTABLE
- ▶ One and two person Class B entries are listed separately.

Class C

- ▶ MOBILE
- ▶ Stations in vehicles capable of operating while in motion and normally operated in this manner
- ▶ Includes maritime and aeronautical

Class D

- ▶ HOME STATIONS
- ▶ Permanent station location
- ▶ Commercial power
- ▶ May count contacts made with other Class D stations due to COVID
- ▶ 2021 RULE CHANGE!
150W power limit



Class E

- ▶ HOME STATIONS - EMERGENCY POWER
- ▶ Otherwise same as Class D
- ▶ May work all Field Day stations
- ▶ 2021 RULE CHANGE!
150W power limit



Class F

- ▶ EMERGENCY OPERATION CENTERS
- ▶ Not this year!



Field Day Exchange

- ▶ QSO is an exchange of operating class and ARRL section.
- ▶ Example: “1D LAX” on CW or digital or “1 Delta LAX” on Phone
- ▶ Keep it short and sweet!



Miscellaneous Rules

- ▶ Can't call your own station
- ▶ Must use your PERSONAL call (not W6SPR)
- ▶ One call sign per transceiver except family members with different calls
- ▶ Only work stations once per band per mode
- ▶ No cross-banding except satellites
- ▶ Only one transmitter at a time per band-mode
- ▶ Only simplex/digital – NO REPEATER CONTACTS



Scoring

- ▶ Phone contacts = 1 point each
- ▶ CW contacts = 2 points each
- ▶ Digital contacts = 2 points each



Logging

- ▶ Paper and pencil log sheet:



Field Day Log

page _____ of _____

Call Used

Exchange Sent

| Frequency | Mode | Date | Time (UTC) | Station Worked | Exchange Received |
|-----------|------|------|------------|----------------|-------------------|
| | | | | | |
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<http://www.arrl.org/files/file/Field-Day/2019/2019%20FD%20Log%20Sheet.pdf>



Logging via Computer

- ▶ N3FJP
Free for 30 or fewer contacts / \$8.99 full unlock
<http://n3fjp.com>
- ▶ N1MM+ (free)
<https://n1mmwp.hamdocs.com>
- ▶ QRUQSP (free)
<https://qrupart.org>
- ▶ RUMlog (free, macOS)
<https://dl2rum.de/rumsoft/RUMLog.html>



Submission Form



[ARRL Home](#) | [Field Day Home](#) | [Field Day Resources](#) | [Field Day Locator](#) | [Rules](#) | [Entry Form](#) | [Entries Received](#) | [Results](#) | [Soapbox](#)

2021 Field Day Entry - Introduction

To submit your entry for Field Day, you'll need both the data that describes your entry and any required bonus point documentation. Although the bonus point documentation can be submitted at a later time, it's recommended that you submit both at the same time.

Data Entry. You'll need all of the info that describes your entry:

- Call used and GOTA station call
- Entry class, number of participants, list of operators
- Power source and multiplier
- Claimed bonus points
- QSO totals by band and mode
- GOTA operators and QSO totals

Upload Documents. If you elect to upload required documents at this time, you'll need files for the following:

- Cabrillo log or list of stations worked by band/mode (dupe sheet)
- Required documentation for bonus points

[Go To Data Entry](#)

Send comments or questions about this page to [ARRL Contest Manager](#).
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<http://field-day.arrl.org/fdentry.php>



Suggested Goal

- ▶ Log at least five contacts

Getting your feet wet in contesting!

- ▶ HF and/or VHF/UHF



Selected Bonus Options

- ▶ Message to Section Manager
- ▶ Satellite QSO
- ▶ Alternate Power
- ▶ Copy [W1AW Bulletin](#)
- ▶ Youth QSO (18 and under)
- ▶ [Social Media!](#)
- ▶ Submitting log online



Power Level Multipliers

- ▶ If all contacts are made using 5 Watts or less using no commercial mains or generators, multiply score by 5.
- ▶ If all contacts are made using 5 Watts or less, but with commercial mains or generators or batteries charged by either, multiply score by 2.
- ▶ If all contacts made using no more than 150 Watts, multiply score by 2.



Elmers

Don't be afraid to ask for help!

contest@southpasradio.org



Submitting to ARRL

- ▶ <http://field-day.arrl.org/fdentry.php>
- ▶ We will discuss procedure at July 7 SPARC meeting
- ▶ Due by July 27
- ▶ Affiliate with
“South Pasadena Amateur Radio Club” *not SPARC*
- ▶ Results will be published in QST Magazine
- ▶ Send proof of submission to SPARC for special recognition



More Information

- ▶ [Video on N3FJP](#)
- ▶ [QST article on club contesting](#)
- ▶ [ARRL FD 2021 Video](#)
- ▶ [DX Zone Guide to QSL Card Software](#)

Let's go make some contacts!

