

Radio Rental IFB Q & A

Radios shall be two-way, digital, between 450-520 MHz, **5 Watt**, Portable, **Encrypted**, and operate in the Ultra High Frequency (UHF) part of the radio spectrum.

- Typical wattage on a uhf portable radio is 4 watts. Is 4 watts acceptable? **4 watt is acceptable, 5 watt is preferred.**
- Radios operating in digital are inherently more secure than analog radios. What level of encryption or type of encryption is expected and why is it needed? **We are not interested in any high level of encryption from a privacy perspective. We are more interested in clear communication without interference from outside areas.**
- Do the radios provided for both year-round and the OC Fair need to work with existing radios and if so, what type and technology are they? **No, existing radios would be used. We would use 100% of the rental radios provided in this contract.**

Radios shall have **unique identification numbers on the outside** of the radio such as a serial number or assigned identification number.

- Are adhered labels to the outside of the radio acceptable? **Labels are not acceptable since those are easily removed/damaged.**
- Is this required for both OC Fair and year-round units? **Yes**

Repeaters shall be UHF, 50 watt, **weather proof, and at least two channels.**

- What level of weather proof is needed? **Repeaters will be placed on the top of an outdoor berm located at the Pacific Amphitheatre with no covered area. Are weatherproof rack enclosure has been used in the past.**
- Is the expectation that the two channels listed operate simultaneously on one repeater? **Yes, that is acceptable.**
- Is there a secure, appropriately powered, weather protected, climate controlled location, proven to provide the coverage needed already selected or in use and if so, where? **No, not one available.**
- Is there an existing repeater antenna in place? If not, have antenna mounting locations and cable runs/access been determined? In relation to the cable runs and antenna mounting, is the 32nd Agricultural Association prepared to provided needed paths and roof penetrations for antenna cable? **The location and high point on property is the Pacific Amphitheatre berm. Antennas are also placed on tripods or on existing support poles on top of the berm.**

Base station shall be **portable**, push-to-talk, and have an external antenna.

- As a base station is typically stationary and attached to hard power, what is meant by “portable”? **Able to move on top of a desk is what we mean.**

Quantity of repeaters needed lists as 4 for the OC Fair and 6 for Year-Round, for a total of 10.

- How many repeated channels are needed for the OC Fair and how many repeated channels are needed year-round? **Year-round we use channels 1-5 and for fair we add and use 1-16. We have used 2 channels per repeater in the past and that worked fine so any combo to get us to 16 channels at our highest usage is what we are looking for.**
- Will the OC Fair radios need to match the programming in the year-round radios and vice versa or are they to operate independent of each other? **Fair and year-round radios will need to match programming.**
- Are the repeaters for both the year long and the OC Fair located in the same location? **Yes, on top of the berm at the Pacific Amphitheatre.**