

# Parachute Mobile Communications Diagram

www.parachutemobile.org



**tactical call, "Jumper One, Jumper Two, ..."**

Voice Comms: 146.430 MHz direct  
 HF comms: 28425 KHz USB  
 Jumper Mon: 446.075 MHz  
 DMR: 145.0 out, 147.5 in, Calif TG 3106, reflector REF014 C.  
 APRS telemetry: 144.330 MHz (144.390 if no local igate)  
 Video: 5.8GHz primary, 2.4GHz or 1.2GHz secondary.  
 SSTV: Scottie 1 mode 320x256, 145.500 MHz

APRS data either AF6IM, KF6WRW, KC6TYD, W7BIG

**Frequencies:**

146.430 simplex, no PL  
 147.570 simplex, no PL  
 28425 KHz USB  
 145.0/147.5, Calif TG 3106  
 147.060+, PL 100.0  
 446.075 simplex, no PL  
 144.330 MHz  
 145.500 MHz

**Description:**

Jumper QSO  
 Jumper QSO secondary  
 10m SSB or AM for worldwide QSOs  
 DMR or Dstar communications  
 W6CX repeater for talkback, ops, announcements  
 Jumper Mon, transmit only from Tac Ops to jumper  
 APRS frequency, if no local I-gate, then use 144.390  
 Slow Scan TV, Scottie 1 mode 320x256

**DMR Communications Plan**

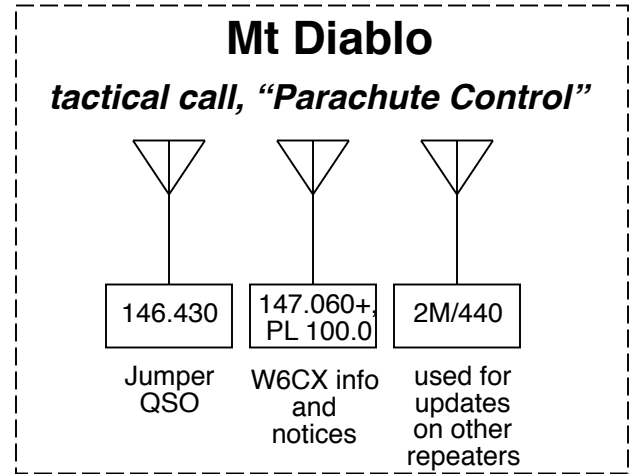
D-Star via W6CX-C repeater on Mount Diablo, output 145.000, input 147.500, Calif Talk Group 3106, reflector REF014 C.

**10-meter HF Worldwide QSO Plan**

Jumper 1 will be on 28425 USB, may go to other freq as requested.

If HF frequency below 28.500 it opens it up to Technician class.

28.600 is 10M calling frequency.

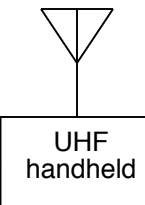


**Weather Box**

local windspeed, wind direction, temperature, barometric pressure

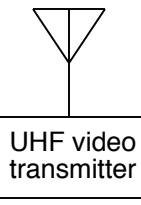
localized weather in landing zone

ADS-WS1 weather station



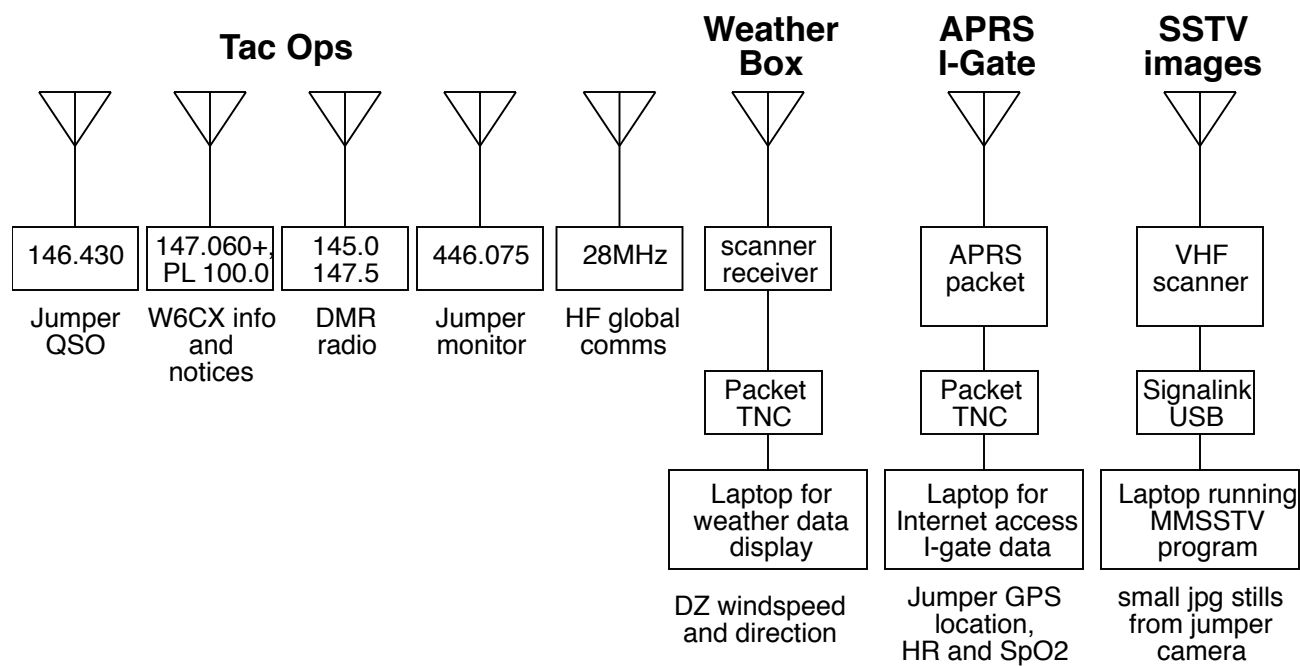
camera on small building in landing zone

Camera

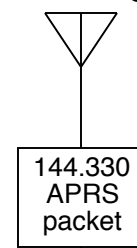


**Byron Airport**

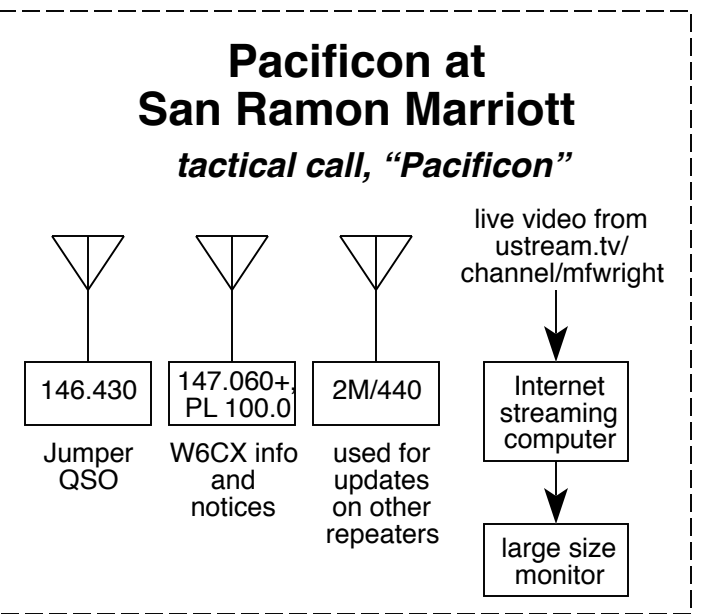
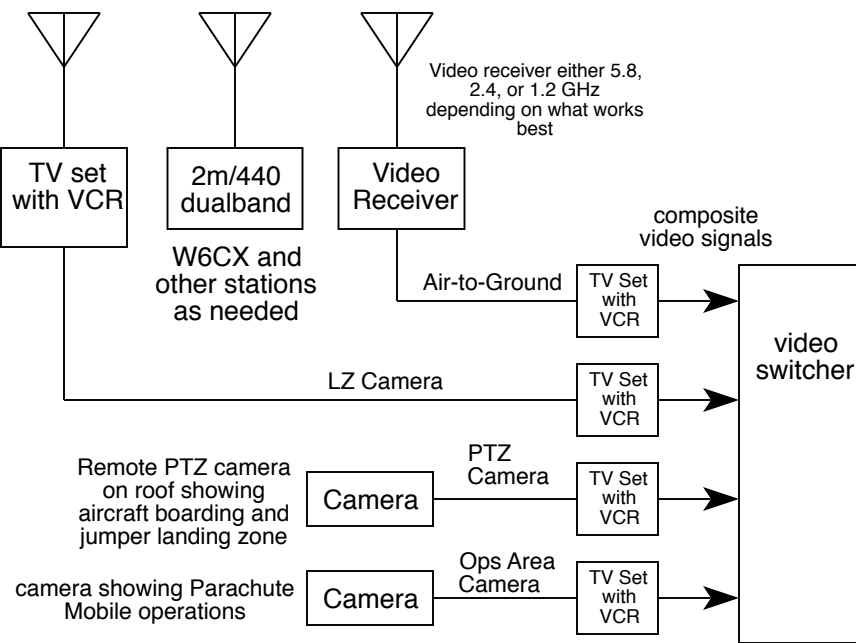
**tactical call, "Dropzone"**



**APRS map display and log**



**Video Ops**



Streaming Video:  
<http://ustream.tv/channel/mfwright>  
 For mobile devices, use  
<http://m.ustream.tv/channel/mfwright>

TV sets are Sansui brand with built-in VHS decks and composite video outputs.