



# Lake County Florida ARES Frequency Plan



Check [www.k4fc.org](http://www.k4fc.org) often, especially before deployment, for updates

**Effective June 1, 2020**

## 144 MHz (VHF) Voice Repeaters

CH	Freq.	Offset	Tone	Purpose	ID	Location
1	147.255	+600KHz	103.5	Primary & Skywarn	N4FLA	Astatula
2*	147.000	+	103.5	Alternate Tac / Local P25	K4FC	Leesburg
3 !	146.895	-	103.5	North Lake P25	W4ALR	Paisley
4	147.225	<b>147.855</b>	103.5	Primary/West (Simulcast)	W4ALR	South Leesburg
5	147.180	+	103.5	East Lake (Local)	KD4MBN	Eustis
6 !	146.850	-	103.5	West Lake P25	WN4AMO	The Villages
7 !	147.345	+	103.5	South Lake P25	K4AUS	Groveland
8 !	147.390	+	103.5	Central Lake P25	K4AUS	Tavares

**Net & Skywarn Primary: 147.255 (CH1) | Net & Skywarn Secondary: 147.390 (CH8)**

### **! A NOTE ON P25 DIGITAL LINKED OPERATIONS !**

Repeaters CH 3, 6, 7 & 8 are Project 25 (P25) mixed mode – analog/digital repeaters. Use full CTCSS/tone Squelch to avoid hearing digital noise. Please confine non-emergency use to brief messages when other area repeaters are not available. The 4 P25 VHF repeaters are full time linked/wide area in P25 mode only. P25 digital mode has **priority** unless there is a net/ARES activation. **A 10-15 min QSO limit is enforced.** P25 digital is a distinct separate digital mode, which **differs** from DMR (Digital mobile radio), used on 440/UHF  
 \*Repeater CH 2 above is P25 capable for local area only (not linked). All P25 repeaters use NAC of 293

## 144 MHz (VHF) Emergency Repeater (Comm Trailer)

CH	Output (RX)	Input (TX)	Tone	Purpose	ID	Location
10	145.470	147.470	186.2	LCARES Trailer	N4FLA	As Deployed

**NOTE:** This repeater is a Split Repeater with an atypical offset. It is an uncoordinated repeater used during deployment of the LCARES Comm Trailer. Please program your radios accordingly.

## 144 MHz (VHF) Simplex Frequencies

11	147.420	Simplex	<b>103.5(tx)</b>	Lake County Primary / EOC remote base**
12	146.580	Simplex	none	Lake County Secondary
13	146.520	Simplex	none	2m VHF National Calling Frequency

Lake County EOC maintains the availability of a remote base on 147.420. Remote base is linked to the P25 repeaters on an as-needed basis, by request of LCARES. Tone of **103.5 (tx only)** is required for access.

## 144 MHz (VHF) Digital Text Mode Frequencies

14	145.010	Local Area Packet, K4FC Digipeater, N4FLA-2 Digipeater, K4FC-1 BBS			
15	145.770	SEDAN Node TVRZ KF4C-7			
16	144.390	Automatic Position Reporting System (APRS) N4FLA-3 Digipeater			

### *“Communication is Key”*

*These frequencies should be pre-programmed into your radios and tested **NOW** rather than under the pressure of a deployment. Print a copy and keep by your station, in your deployment kit, and on your smartphone/computer. These frequencies are continuously revised and do change. Please brief any difficulties that you may have in getting the repeaters to respond on the LARA information nets.*

**Check [www.k4fc.org](http://www.k4fc.org) often to be sure you have current updated version**

## Adjacent County Primary Repeater Frequencies

17	146.925	-	123.0	Sumter ARES	W4OE	Sumterville
18	443.050	+	103.5	Orange ARES	W4MCO	Orlando
19	147.165	+	103.5	Seminole ARES	N1FL	Chuluota
20	146.610	-	123.0	Marion MERT	K4GSO	Ocala
21	145.350	-	103.5	Osceola ARES	KG4OSC	St. Cloud
22	146.985	-	127.3	Polk ARES	WC4PEM	Bartow
23	147.240	+	123.0	Volusia ARES	KV4EOC	Daytona Bch

NOTE: Obtain permission for long term use (drills/exercises) of repeaters 17 - 23 prior to event.

## East Central District-Wide Frequencies

Freq.	Offset	Tone	Purpose/Day/Time	ID	Location
145.230	-	103.5	Primary (Linked)/	K4FL	Bithlo
442.625	+	DCS 411	As Needed	K4FL	
442.700	+	103.5	Secondary/As Needed	W4MCO	Orlando
146.550	Simplex		National ARES Freq.		

## 440 MHz (UHF) Voice Repeaters & Simplex

24!	442.900	+5MHz	103.5	LARA North/IRLP 8284	K4FC	Leesburg
25	442.800	+	103.5	Royal Harbor (Local)	K4FC	Tavares
26	444.6125	+	CC1/103.5	Central Lake DMR	K4LAK	Tavares
27	444.550	+	CC1/103.5	North Lake DMR	W4ALR	Paisley
28	444.050	+	CC1/103.5	South Lake DMR	K4AUS	Groveland
29	442.600	+	103.5	LARA South/IRLP 8911	K4FC	Clermont
30	446.000	Simplex	none	70cm UHF National Calling Frequency		
31	446.575	Simplex	203.5	Cross-Band Repeat Frequency		
32	444.975	+	103.5	SARNET Statewide Net	KA0OXH	Clermont

! 442.900 P25 mixed mode capable (NAC 293) | DMR repeaters are linked to DMR Southeast IRLP info: [www.eastcoastreflector.org](http://www.eastcoastreflector.org) (DMR-SE). See below for additional.

Channels 26, 27, 28 (DMR repeaters) can be steered to analog w/ 103.5 tone as requested by LCARES

## High Frequency (HF) Nets

Time (Local)/Day	Name	Frequency/Mode
0655 Daily	Florida Phone Traffic Net (FPTN)	3.940 MHz - LSB
0900 Daily (Except Sun)	Northern Florida AREC Net (becomes NFL Emergency Net on activation)	3.950 MHz - LSB
1200 Daily	Florida Midday Traffic Net (FMTN)	3.940 MHz - LSB
1930 Daily	Northern Florida Phone Net (NFPN)	3.950 MHz - LSB
As needed – when hurricane is within 300 miles of populated land	Hurricane Watch Net <a href="http://www.hwn.org">www.hwn.org</a>	14.325 MHz – USB (day) 7.268 MHz – USB (night) <b>MONITOR ONLY unless called by NCS!</b>

## 440 MHz (UHF) Digital Mobile Radio (DMR) Repeater Talkgroups

Lake County affiliated DMR repeaters utilize color code (CC) 1. Below are the approved talkgroups / timeslots:

Local/Countywide <i>ALL Lake Co. Repeaters</i>	TS 2	TG 2	Primary for Local Communications	North America	TS 1	TG 3
Worldwide	TS 1	TG 1		TAC-310	TS 1	TG 310
Worldwide English	TS 1	TG 13		TAC-311	TS 1	TG 311
FL Statewide	TS 1	TG 3112		Southeast US	TS 1	TG 3174

All timeslot 1 talkgroups may require PTT activation, with 10 minute inactivity timeout. Timeslot 2 reserved for local 2 (countywide) TG

Obtain DMR radio ID before transmitting: [www.radioid.net](http://www.radioid.net) DMR Southeast info: [www.dmr-se.org](http://www.dmr-se.org)

NOAA Weather Radio (RX Only) Orlando: 162.475 MHz | Daytona Beach: 162.400 MHz | Sumterville: 162.500