



Lake County Florida ARES Frequency Plan



Check www.k4fc.org/lara-repeaters often, especially before deployment, for updates

Effective January 2023

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	147.855	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	K4LAK	The Villages
7 !	147.345	+	103.5	South Lake P25	K4LAK	Groveland
8 !	147.390	+	103.5	Central Lake P25	K4AUS	Tavares

Net & Skywarn Primary: 147.255 (CH 1) | 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 (ESF2 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	103.5(tx)	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	Winlink Node			
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.*

Interactive repeater resource map available at: www.k4fc.org/lara-repeaters

Check 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 ARES	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 Area 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
145.150	-	123.0	Wide Area	AG4BV	Bithlo/Christmas
146.550	Simplex		National ARES Freq.		

440 MHz (UHF) Voice Repeaters & Simplex

24!	442.900	+5MHz	103.5	LARA North/Allstar 56043	K4FC	Leesburg
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	NX4Y	Clermont

! 442.900 P25 mixed mode capable (NAC 293) | DMR repeaters are linked to DMR Southeast IRLP info: www.eastcoastreflector.org (DMR-SE). See below for additional.
Channels 26, 27, 28 (DMR repeaters) can be steered to analog w/ 103.5 tone if needed.



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 www.hwn.org	14.325 MHz – USB (day) 7.268 MHz – USB (night) MONITOR ONLY unless called by NCS!

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		First Coast	TS 1	TG 31121
Worldwide English	TS 1	TG 13		Southeast US	TS 1	TG 3174
FL Statewide	TS 1	TG 3112				

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 DMR Southeast info: www.dmr-se.org

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