

Freq	FRS Auth Power	GMRS Auth Bandwidth	CHIRP Label*
462.562500	2 W	20 kHz	FRS01
462.587500	2 W	20 kHz	FRS02
462.612500	2 W	20 kHz	FRS03
462.637500	2 W	20 kHz	FRS04
462.662500	2 W	20 kHz	FRS05
462.687500	2 W	20 kHz	FRS06
462.712500	2 W	20 kHz	FRS07
467.562500	0.5 W		FRS08
467.587500	0.5 W	12.5 kHz	FRS09
467.612500	0.5 W	12.5 kHz	FRS10
467.637500	0.5 W	12.5 kHz	FRS11
467.662500	0.5 W	12.5 kHz	FRS12
467.687500	0.5 W	12.5 kHz	FRS13
467.712500	0.5 W	12.5 kHz	FRS14
462.550000	2 W	20 kHz	FRS15
462.575000	2 W	20 kHz	FRS16
462.600000	2 W	20 kHz	FRS17
462.625000	2 W	20 kHz	FRS18
462.650000	2 W	20 kHz	FRS19
462.675000	2 W	20 kHz	FRS20
462.700000	2 W	20 kHz	FRS21
462.725000	2 W	20 kHz	FRS22
467.550000		20 kHz	GMRS1
467.567500		12.5 kHz	GMRS2
467.575000		20 kHz	GMRS3
467.600000		20 kHz	GMRS4
467.625000		20 kHz	GMRS5
467.650000		20 kHz	GMRS6
467.675000		20 kHz	GMRS7
467.700000		20 kHz	GMRS8
467.725000		20 kHz	GMRS9
151.820000		11.25 kHz	MURS1
151.880000		11.25 kHz	MURS2
151.940000		11.25 kHz	MURS3
154.570000		20 kHz	MURS4
154.600000		20 kHz	MURS5

CTCSS Tones			
Sub#	Tone	Sub#	Tone
1	67.0	20	131.8
2	71.9	21	136.5
3	74.4	22	141.3
4	77.0	23	146.2
5	79.7	24	151.4
6	82.5	25	156.7
7	85.4	26	162.2
8	88.5	27	167.9
9	91.5	28	173.8
10	94.8	29	179.9
11	97.4	30	186.2
12	100.0	31	192.8
13	103.5	32	203.5
14	107.2	33	210.7
15	110.9	34	218.1
16	114.8	35	225.7
17	118.8	36	233.6
18	123.0	37	241.8
19	127.3	38	250.3

Set VFO to Simplex Channel	
1. Go to VFO Mode	[VFO/MR]
2. Select A or B Bank	[A/B]
3. Enter Freq	[Enter on keypad]
4. Set Wide or Narrow FM	[Menu] 7 [Menu] [Select Narrow/Wide] [Menu] [Exit]
5. Set Power	[Menu] 2 [Menu] [Select Low/High] [Menu] [Exit]
6. Set CTCSS Tone if needed	[Menu] 11 [Menu] [Select Tone] [Menu] [Menu] 13 [Menu] [Select Tone] [Menu] [Exit]

### Get GPS Coordinates from an iPhone Without a Cell Signal

- Your iPhone's GPS receiver will function even without a cell signal, so you can tell emergency responders your location over the radio.
- Ensure *Location Services* is turned on. (Settings>Privacy>Location)
  - Under *Location Services*, ensure *Compass* is set to *While Using App*.
- Open the *Compass* app.
  - Your *GPS* coordinates will be displayed at the bottom of the screen.
- You may have to wait up to 15 minutes for a usable GPS signal.
- Line-of-sight to the sky will ensure a good GPS lock. Buildings and mountains can interfere with the satellite signals.

**188** Memory channel  
**434/125** Operating frequencies  
**CT** 'CTCSS' activated  
**DCS** 'DCS' activated  
**+-** Frequency offset direction for repeaters  
**S** 'Dual Watch' activated  
**VOX** Function 'VOX' enabled  
**R** 'Reverse' func. activated  
**N** 'Wide Band' selected  
 Battery level indicator  
 'Keypad Lock' activated  
**LDS** Low transmit power  
 Active band (Chan A or B)  
 Signal strength level

### Using the Radios

- Use the radio *outside* when possible. Vehicles and buildings shield the signal, decreasing transmission and reception effectiveness.
- Do not point the antenna* in the direction you wish to transmit. The antenna should be vertical for most transmissions.
- Except in emergencies, this radio requires an FCC license to operate.
- Except in emergencies, it is illegal for this radio to transmit on the FRS, GMRS, or MURS frequencies listed on this card (even with an FCC license). It is not *Type-Accepted* for use on these frequencies.

Chan	Freq	Tone	Intent	Notes	Name	
1	46	145.1900-	131.8	<b>Primary</b>	Monument Repeater	TLM NET (callsign NOXLF)
2	43	146.9700-	100.0	<b>Alternate</b>	PPFMA: covers WYO-NM-Kansas	COWIDEV (callsign KBOSRJ)
3	70	147.345+	100.0	<b>Contingency</b>	Linked to Salida, Lake George, Pueblo	CMRG147
4	60	145.1300-	88.5	<b>Emer South</b>	ColCon: covers Mon to Pueblo	CC-COS (callsign KBOVJJ)
5	61	145.3100-	88.5	<b>Emer North</b>	ColCon: covers Mon to Cheyenne WYO	CC-DENV (ColCon State Hub)
6	37	146.5200			Simplex - 2m Calling Freq	2M CALL
7	38	146.4000			VHF Simplex	V SIMP1
8	40	446.0000			Simplex - 70cm Calling Freq	70 CALL

#### VHF Simplex (CCARC Band Plan, 15KHz spacing)

146.400	146.415	146.430	146.445	146.460
146.475	146.490	146.505	<b>146.520</b>	146.535
146.550	146.565	146.580	146.595	147.420
147.435	147.450	147.465	147.480	147.495
147.510	147.525	147.540	147.555	147.570
147.585				

#### UHF Simplex (CCARC Band Plan, 25KHz spacing)

445.700	445.725	445.750	445.775	445.800
445.825	445.850	445.875	445.900	445.925
445.950	445.975	<b>446.000</b>	446.025	446.050
446.075	446.100	446.125	446.150	446.175
446.200	446.225	446.250	446.275	

#### In an emergency, tune to one of the EMERGENCY repeaters above and announce "MAYDAY! MAYDAY! MAYDAY!"

- The Colorado Emergency Reporting Net (CERN) Control Station will relay your info to authorities near you.
- Channel EMER SOUTH covers the Front Range from Monument to Pueblo and east toward Limon.
- Channel EMER NORTH covers the Front Range from Monument to Cheyenne, WY, and east toward Limon.
- If you cannot reach those repeaters, call on other channels until you make contact.
- In an emergency, you are authorized to transmit on any frequency at any power to protect life and property.
- If you need to preserve battery life, *transmit/monitor at the top of each hour for three minutes*. Keep batteries warm.