

PREPPER & SHTF COMMUNICATIONS 2 WAY RADIO FREQUENCIES

BAND	CHAN	FREQ.MHZ	NOTES
FRS	3	462.6125FM	PREPPER FRS
GMRS	20 / 675	462.675+FM	PL 141.3 REPEATR
MURS	3	151.940 FM	PREPPER MURS
CB AM	3 AM	26.985 AM	PREPPER CB
CB AM	9 AM	27.065 AM	EMERGENCY CB
CB SSB	36 USB	27.365USB	SHTF SURVIVAL
CB SSB	37 USB	27.375USB	PREPPER CB SSB
CB FREEBAND	38 GAP	27.378USB	SHTF SURVIVAL
CB FREEBAND	E 2 HI	27.425USB	SHTF SURVIVAL
LOWBAND VHF	LOW	33.400 FM	SHTF SURVIVAL
LOWBAND VHF	PKDOT	42.980 FM	PREPPER LOW
HAM VHF	2 M	146.520 FM	HAM CALL SIMP
HAM VHF	2 M	146.550 FM	HAM PREPR SIMP
HAM VHF	6 M	51.000 FM	HAM PREPR SIMP
HAM HF	10 M	28.305USB	HAM PREPR TECH
HAM HF	20 M	14.242USB	HAM TAPRN
HAM HF	40 M	7.242LSB	HAM TAPRN NET
HAM HF	60 M	5.357USB	HAM SHTF NVIS
HAM HF	80 M	3.818LSB	HAM TAPRN NET
LAND SAR VHF	SARFM	155.160 FM	SEARCH&RESCUE
MARINE VHF	16	156.800 FM	SAFETY CALLING
MARINE VHF	72	156.625 FM	MARINE PREPPER
AIRCRAFT VHF	GUARD	121.500 AM	EMERG DISTRESS

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Wallet size frequency list (PRINT)

SHTF Survivalist Radio Frequency List

=== BAND ===	CHAN.	FREQUENCY MHZ	NOTES
FRS	=== 3	462.6125 FM	PREPPER FRS
GMRS	== 20	462.675+ FM	PL 141.3 REPEATER
MURS	=== 3	151.9400 FM	PREPPER MURS
CB AM	3 AM=	026.9850 AM	PREPPER CB
CB AM	9 AM=	027.0650 AM	EMERGENCY CB
CB SSB	36USB	027.3650 USB	SHTF SURVIVAL
CB SSB	37USB	027.3750 USB	PREPPER CB SSB
CB FREEBAND-	38GAP	027.3780 USB	SHTF SURVIVAL
CB FREEBAND-	E 2HI	027.4250 USB	SHTF SURVIVAL
LOWBAND VHF-	= LOW	033.4000 FM	SHTF SURVIVAL
LOWBAND VHF-	PKDOT	042.9800 FM	PREPPER LOW SIMPLEX
HAM VHF	== 2M	146.5200 FM	HAM CALL SIMPLEX
HAM VHF	== 2M	146.5500 FM	HAM PREPPER SIMPLEX
HAM VHF	== 6M	051.0000 FM	HAM PREPPER SIMPLEX
HAM HF	= 10M	028.3050 USB	HAM PREPPER TECH
HAM HF	= 20M	014.2420 USB	HAM TAPRN
HAM HF	= 40M	007.2420 LSB	HAM TAPRN NET
HAM HF	= 60M	005.3570 USB	HAM SHTF NVIS
HAM HF	= 80M	003.8180 LSB	HAM TAPRN NET
LAND SAR VHF	SARFM	155.1600 FM	SEARCH & RESCUE
MARINE VHF -	== 16	156.8000 FM	SAFETY CALLING
MARINE VHF -	== 72	156.6250 FM	MARINE PREPPER
AIRCRAFT VHF	GUARD	121.5000 AM	EMERGENCY DISTRESS

Background Notes and Histories on Frequencies of the List.

Low Band VHF Frequencies:

LOWBAND VHF | PKDOT | 042.9800 FM | PREPPER LOW SIMPLEX

42.98 MHz is an old Low Band VHF itinerant business channel with a 2 watt limit. It is the Pink Dot channel, for those who are familiar with the Blue Dot, Red Dot, Purple Dot, etc. and similar "Color Dot" series used by 2-way radio marketing and event rental radios. Very few businesses still use VHF Low Band, because most have gone to cell phones. So the handhelds, portables, or mobiles for it are cheap at flea markets, garage sales, and online auctions. Also, junk band 49 MHz walkie talkies and headsets can be modified for this frequency by changing the crystals. Useful for patrols and tactical communications. All scanners can receive this channel.

LOWBAND VHF | LOW | 033.4000 FM | SHTF SURVIVAL

33.4 MHz is an ancient Low Band VHF FM itinerant business channel with a 1 watt limit. Popular among reenactors, survivalists, and bulletproof-radio enthusiasts using old military surplus manpacks or military handheld sets on this channel (especially PRC-77). The reason they use 33.4 is probably because it is the only low power itinerant channel that old green manpacks can select with their 50 kHz or 25 kHz channel spacing dials. At low power in the field, they aren't bothering anybody. Useful for patrols and tactical communications. All scanners can receive this channel.

HAM VHF | 6M | 051.0000 FM | HAM PREPPER SIMPLEX

51.0 MHz is a ham radio 6 meter FM simplex channel widely used by operators with all types of Low Band VHF military surplus radios. The frequency is compatible with normal ham radios and is not on a repeater channel. If military radio tone squelch (150 Hz) may be used, it is compatible with civilian radios PL 151.4 Hz. Useful for patrols and tactical communications. All scanners can receive this channel.

Some "green" military surplus radios common for Low Band VHF

Military manpack set PRC-9, AN/PRC-9 (27.0-38.9 MHz FM) continuously tunable

Military manpack set PRC-10, AN/PRC-10 (38.0 to 54.9 MHz) continuously tunable

Military manpack set PRC-77, AN/PRC-77 (30-52.95; 53-75.95 MHz FM) channel spacing 50 kHz

Military manpack set PRC-25, AN/PRC-25 (30-52.95; 53-75.95 MHz FM) channel spacing 50 kHz

Military handheld set PRC-68, AN/PRC-68A, B (30-79.975 MHz FM) channel spacing 50/25/12.5 kHz

Military handheld set RT-1547/PRC-126, AN/PRC-126 (30-88 MHz FM) channel spacing 25 kHz

Military handheld set AN/PRC-128 (30-88 MHz FM) channel spacing 12.5 kHz

Military manpack set AN/PRC-119 (30-87.95 MHz) channel spacing 25KHz

Military radio set AN/PRC-117 (30-90 MHz) channel spacing 25KHz

High Band VHF Frequencies:

LAND SAR VHF | SAR FM | 155.1600 FM | SEARCH & RESCUE

155.16 MHz FM Simplex is the (ground or land) SAR (Search And Rescue) National interoperability channel in USA. It is widely used by government and civilian SAR teams for field communications and interaction with governmental, law enforcement, or fire operations in the field. This channel is also known as SAR WFM or SAR NFM and it requires an FCC license to transmit on it. All scanners can receive this channel.

MARINE VHF | 16 | 156.8000 FM | SAFETY CALLING

156.800 MHz FM Simplex is VHF marine channel 16, the international primary Marine Safety, Emergency, and Distress guard channel worldwide. It is widely used and monitored by all boats, ships, and watercraft. All scanners can receive this channel.

MARINE VHF | 72 | 156.6250 FM | MARINE PREPPER

156.625 MHz FM Simplex is VHF marine channel 72, an international ship-to-ship or HT channel worldwide. It is widely used on boats, ships, and watercraft. It is designated for non-commercial use, is common for HT-to-HT informal communications, and is normally clear of commercial shipping or port operations. It is usually not monitored by coast guards. All scanners can receive this channel.

AIRCRAFT VHF | GUARD | 121.5000 AM | EMERGENCY DISTRESS

121.5 MHz AM is the Aircraft Emergency Frequency also known as the Guard Channel or International Air Distress (IAD) or VHF Guard. It is widely used and monitored by all aircraft, Air Traffic Control, defense aircraft, and towers. This was the primary crash beacon frequency for many years, up until newer 406 MHz UHF systems such as PLB, ELT or EPIRB emergency beacons became mandatory aboard aircraft in 2007. Transmissions on 121.5 MHz may bring teams of Search and Rescue authorities with direction finders looking for the transmitter. Some scanners can receive this channel.

HAM VHF | 2M | 146.5200 FM | HAM CALL SIMPLEX

146.52 MHz FM Simplex is widely known as the ham radio 2 meter Calling Frequency. It is the most widely monitored simplex frequency in USA, but it should not be depended upon for emergency 911 type calls, because there are no organized first-responders on it. It is the most likely local ham radio FM Simplex channels to be activated in SHTF scenarios, especially when infrastructure and repeaters are down. All scanners can receive this channel.

HAM VHF | 2M | 146.5500 FM | HAM PREPPER SIMPLEX*

146.55 MHz FM Simplex is one of very few ham radio 2 meter frequencies widely coordinated for FM-Simplex-only throughout USA. *It is the only 2 meter simplex channel compatible with bulletproof military surplus radios (AN/PRC-127, etc) and forest-fire radios (Bendix HTs, etc). These types of radios have 25kHz channel spacing, and are in wide use by ham radio survivalists/preppers. Useful for patrols and tactical communications. All scanners can receive this channel.

Reference source:

List of 2 Meter 146 MHz Simplex Reality in USA

- = 146.400 Repeaters all areas
- = 146.415 Simplex (or Repeaters in some areas)
- = 146.430 Simplex (or Repeaters in some areas)
- = 146.445 Simplex (or Repeaters in some areas)
- = 146.460 Simplex all areas
- = 146.475 Simplex (or Repeaters in some areas)
- = 146.490 Simplex (or Repeaters in some areas)
- = 146.505 Simplex (or Repeaters in some areas)
- = 146.520 National Simplex Calling
- = 146.535 Simplex all areas
- * 146.550 Simplex all areas
- = 146.565 Simplex & T-hunts (or Repeaters in some areas)
- = 146.580 Simplex all areas
- = 146.595 Simplex (or Repeaters in some areas)
- = 146.610 Repeaters all areas

* Compatible with Mil Surplus and Forest-Fire HTs using 25 kHz channel spacing

UHF Frequencies:

GMRS | 20 | 462.675+ FM | PL 141.3 REPEATER

462.675 MHz FM is recognized as the GMRS nationwide emergency and traveler assistance repeater channel. Commonly known as GMRS 675. It is GMRS Channel 20 in the Motorola channel naming system and GMRS Channel 6 in the Icom/GM channel naming system. The repeater output is 462.675 MHz and uses a 5 MHz + split with an input frequency of 467.675 MHz and a PL 141.3 tone. Most scanners can receive this channel.

FRS | 3 | 462.6125 FM | PREPPER FRS

462.6125 MHz FM Simplex is FRS channel 3, it is commonly used for tactical patrols and neighborhood watch. It is an extremely short-range channel, but can be extended somewhat using GMRS radios that can also operate on this frequency or with simplex repeaters. FRS Channel 3 is on the channel list of several survivalist and prepper networks. Most scanners can receive this channel.

Ham HF SSB Frequencies:

HAM HF | 10M | 28.3050 USB | HAM PREPPER TECH

28.305 MHz USB is a ham radio Upper SideBand local and international frequency in the 10 meter band. In USA, it is widely available to Technician basic ham license (or higher) ham operators. This channel also is compatible with less-expensive 10-meter SSB channelized radios and extra-channel or modified CB SSB radios. HF SSB radios and military surplus manpack radios can transceive on this channel. Shortwave receivers with USB or BFO can receive this channel. Most scanners can not receive this channel due to the use of Single SideBand.

HAM HF | 20M | 14.2420 USB | HAM TAPRN

14.242 MHz USB is a ham radio Upper SideBand international and long distance frequency in the 20 meter band. In USA, it is only available to General license (or higher) ham operators. It is on the channel list of several organized survivalist and prepper networks, including TAPRN (The American Prepper Radio Network). HF SSB radios and military surplus manpack radios can transceive on this channel. Shortwave receivers with USB or BFO can receive this channel. Most scanners can not receive this channel due to the use of Single SideBand.

HAM HF | 40M | 7.2420 LSB | HAM TAPRN NET

7.242 MHz LSB is a ham radio Lower SideBand wide area frequency in the 40 meter band available to General license (or higher) operators in USA. It is on the channel list of several organized survivalist and prepper networks, including an active weekly net by TAPRN (The American Prepper Radio Network). HF SSB radios and some military surplus manpack radios can transceive on this channel. Shortwave receivers with LSB or BFO can receive this channel. Most scanners can not receive this channel due to the use of Single SideBand.

HAM HF | 60M | 5.3570 USB | HAM SHTF NVIS

5.357 MHz USB is a ham radio Upper SideBand regional area frequency available to General license (or higher) operators in USA and other countries. The 5 MHz channels in the 60 meter band are recognized for use in EMCOMM Emergency Communications. This channel is optimum for long range mobile patrols and base NVIS (Near Vertical Incidence Skywave) HF communications dependably up to 500 miles on a regular daily basis. HF SSB radios and military surplus manpack radios can transceive on this channel. Shortwave receivers with USB or BFO can receive this channel. Most scanners can not receive this channel due to the use of Single SideBand.

HAM HF | 80M | 3.8180 LSB | HAM TAPRN NET

3.818 MHz LSB is a ham radio Lower SideBand night regional frequency in the 80 meter band available to General license (or higher) operators in USA. It is on the channel list of several survivalist and prepper networks, including an active weekly net by TAPRN (The American Prepper Radio Network). HF SSB radios and some military surplus manpack radios can transceive on this channel. Shortwave receivers with LSB or BFO can receive this channel. Most scanners can not receive this channel due to the use of Single SideBand.

CB Band and Freeband HF Frequencies:

CB AM | 3 AM | 26.9850 AM | PREPPER CB

26.985 MHz AM is CB Channel 3. Useful for common tactical, short range patrols and local area communications between HTs, vehicles, and bases. Channel 3 CB is on the channel list of several survivalist groups and prepper networks. Shortwave receivers and HF ham radios can receive this channel. Some scanners can receive this channel.

CB AM | 9 AM | 27.0650 AM | EMERGENCY CB

27.065 MHz AM is CB Channel 9. In USA, the radio regulations designate this as the Emergency and Travelers' Assistance Channel in FCC rules 47CFR95.407(b). It is widely used by Cbers during emergencies, but it should not be considered a 911 type channel because it is not reliably monitored by any first-responder organization. Some CB radios have a dedicated Channel 9 button. Shortwave receivers and HF ham radios can receive this channel. Some scanners can receive this channel.

CB SSB | 36 USB | 027.3650 USB | SHTF SURVIVAL

27.365 MHz USB is CB Channel 36 Upper SideBand. Highly useful for long range patrols and wide local area communications, especially between vehicles and bases up to about 20 miles. Channel 36 USB CB is on the channel list of several SHTF survivalist groups. Shortwave receivers with USB or BFO or HF ham radios can receive this channel. Most scanners can not receive this channel due to the use of Single SideBand.

CB SSB | 37 USB | 027.3750 USB | PREPPER CB SSB

27.375 MHz USB is CB Channel 37 Upper SideBand. Highly useful for long range patrols and wide local area communications, especially between vehicles and bases up to about 20 miles. Channel 37 USB CB is a prepper group listed frequency. Shortwave receivers with USB or BFO or HF ham radios can receive this channel. Most scanners can not receive this channel due to the use of Single SideBand.

CB FREEBAND | 38 GAP | 027.3780 USB | SHTF SURVIVAL

27.378 MHz USB is a CB freeband Upper SideBand channel in the gap between CB channel 38 and CB channel 37. It is useful for long range patrols and wide local area communications, especially between vehicles and bases up to about 20 miles. This frequency is clearer due to less interference and has longer distance range than normal CB channels for SHTF groups using CB SSB radios with unlocked clarifier. Shortwave receivers with USB or BFO or HF ham radios can receive this channel. Most scanners can not receive this channel due to the use of Single SideBand.

CB FREEBAND | E 2 HI | 027.4250 USB | SHTF SURVIVAL

27.425 MHz USB is a CB freeband Upper SideBand channel in the extra channels, about 2 channels above normal CB channel 40. For CBs with extra channels in bands, it is channel 2 of the band just above normal CB band (usually Band E). It is useful for long range patrols and wide local area communications, especially between vehicles and bases up to about 20 miles. This frequency is clearer and has longer distance range than normal CB channels for SHTF survivalist groups using radios with extra upper high channels. Shortwave receivers with USB or BFO or HF ham radios can receive this channel. Most scanners can not receive this channel due to the use of Single SideBand.