

FCC Rules and Regulation for CB Radio Operation

95.410 (a) Your CB station transmitter power output must not exceed 4 watts AM and 12 watts SSB.
 95.412 (a) You may transmit two-way plain language communications without codes or coded messages.
 Plain language communications may be about -
 (1) Personal or business activities;
 (2) Emergencies (see CB Rule 18, §95.418);
 (3) Traveler assistance (see CB Rule 18, §95.418);
 §95.413 (a) You must not use a CB station-
 (1) In connection with activity that is against the law;
 (2) To transmit obscenity, indecent words or language;
 (3) To interfere with other communications;
 (4) To transmit one-way, except for emergencies, traveler assistance, brief tests, or voice paging;
 (5) To advertise the sale of any goods or services;
 (6) To transmit music, whistling, sound effects, etc.;
 (7) To transmit any sound effect to attract attention;
 (8) To transmit the word "MAYDAY" or other international distress signal, except when threatened by imminent danger and requesting immediate assistance;
 (9) To communicate with anyone over 155.3 miles away;
 (10) To advertise a political candidate or campaign;
 (11) To communicate with stations in other countries.
 (12) To transmit a false or deceptive communication.
 (b) You must not transmit live or delayed rebroadcasts
 95.418 (a) You must at all times and on all channels, give priority to emergency communications.

Alphabet	Morse Code	NATO Alphabet	Police Alphabet
1) A	. -	Alpha	Adam
2) B	- . . .	Bravo	Boy
3) C	- . - .	Charlie	Charlie
4) D	- . .	Delta	David
5) E	.	Echo	Edward
6) F	. - . -	Foxtrot	Frank
7) G	- - .	Golf	George
8) H	Hotel	Henry
9) I	. .	India	Ida
10) J	. - - -	Juliette	John
11) K	- . -	Kilo	King
12) L	. - . .	Lima	Lincoln
13) M	- -	Mike	Mary
14) N	- .	November	Nora
15) O	- - -	Oscar	Ocean
16) P	. - - .	Papa	Paul
17) Q	- - . -	Quebec	Queen
18) R	. - .	Romeo	Robert
19) S	. . .	Sierra	Sam
20) T	-	Tango	Tom
21) U	. . -	Uniform	Union
22) V	. . . -	Victor	Victor
23) W	. - -	Whiskey	William
24) X	- . . -	X-ray	X-Ray
25) Y	- . - -	Yankee	Young
26) Z	- - . .	Zulu	Zebra
1 . - - - -	2 . - - - -	3 . . . - -	4 -
5	6 -	7 - - . . .	8 - - - . .
9 - - - - .	0 - - - - -		

Trucker Ten Code with Police Extended APCO 10-Codes Added *

10-0	Danger / Caution	10-00	Man Down (additional)
10-1	Signal Weak, Receiving Poorly	*10-51	Fight in progress (10-10)
10-2	Signal Good, Receiving Well	*10-52	Civil disturbance (10-15)
10-3	Stop Transmitting	*10-53	Road Blocked
10-4	Message Received, Affirmative	*10-54	Livestock on Roadway
10-5	Relay Message	*10-55	Intoxicated Driver
10-6	Busy, Stand By	*10-56	Intoxicated Pedestrian
10-7	Out of Service, Off the Air	*10-57	Hit and Run Accident
10-8	In Service, On the Air	*10-58	Direct Traffic
10-9	Repeat Message	*10-59	Convoy or Escort
10-10	Transmission Over, Standing By	10-60	Next Message?
10-11	Talking Too Quickly, Slow Down	*10-61	Personnel in Area
10-12	Visitors Listening, Stand by	*10-62	Reply to Message
10-13	Weather and Road Conditions	*10-63	Prepare to Make Written Copy
10-14	Message or Information	*10-64	Local Message
10-15	Message Delivered	*10-65	Net Message
10-16	Make Pickup	*10-66	Arrived at Scene (10-23)
10-17	Urgent Business	*10-67	Clear Freq for Net Message
10-18	Any Information or Instructions?	*10-68	Dispatch Information
10-19	Nothing for You, Return to Base	*10-69	Stop for Food or Fuel (additional)
10-20	Present Location	*10-70	Fire Alarm
10-21	Contact by Phone _____	*10-71	Advise Nature of Fire Alarm
10-22	Report in Person to _____	*10-72	Report Progress of Fire Alarm.
10-23	Stand By, Stop Transmitting	10-73	Smokey Report, Speed Trap
10-24	Assignment Completed	*10-74	Negative, No
10-25	Can you contact _____?	*10-75	In Contact With _____.
10-26	Disregard/Cancel Last Message	*10-76	En Route to _____.
10-27	Move to Another Channel	10-77	Negative Contact
10-28	Request to Identify Station	*10-78	Need Assistance or Backup
10-29	Out of Time, Contact Over	*10-79	Notify Coroner
10-30	Improper Radio Use	*10-80	Chase in Progress (Define)
10-31	Crime in Progress	*10-81	Units Assemble/Converge (add)
10-32	Will Give You a Radio Check	10-82	Reserve or Procure Lodging
10-33	Emergency Situation	10-83	Dismiss/Withdraw All Units
10-34	Help Needed at this Station	*10-84	Estimated Time of Arrival
10-35	Major Crime Alert	10-85	Arrival Delayed
10-36	Correct Time	*10-86	Operator on Duty
10-37	Towtruck Needed at _____	*10-87	Pick up _____
10-38	Ambulance Needed at _____	*10-88	Person W/Gun (10-32) or Shots Fired (additional)
*10-39	Respond with Sirens & Flashers	*10-89	Bomb Threat
*10-40	Silent Run, No Lights or Sirens	*10-90	Bank Alarm/Robbery
10-41	Tune to Channel _____	10-91	Talk Closer into the Microphone
10-42	Traffic Accident	10-92	Your transmitter is Off Frequency
10-43	Traffic Tie-up	10-93	Check my Frequency
10-44	I Have a Message for You	10-94	Give me a Long Number Count
10-45	All Units in Range Report	10-95	Transmit Dead Signal for 5 Sec.
*10-46	Assist Motorist	*10-96	Detain Subject.
*10-47	Emergency Road Repairs	*10-97	Suspicious Vehicle (10-37).
*10-48	Traffic Control	*10-98	Prison or Jail Break
*10-49	Traffic Light Out	*10-99	Wanted or Stolen.
10-50	Request Channel Use	10-100	Use Rest Area or Bathroom

Common 2-Way Jargon

Affirmative - Yes.

Break - Signals a pause during a long transmission to open the channel for other transmissions.

Break-Break - Signals to all listeners on the frequency, the message to follow is priority. Almost always reserved for emergency traffic.

Callsign-Actual - Saying "actual" after their callsign asserts you wish to speak to the specific person the callsign is attached to.

Come in - Do you hear me? Please reply.

Copy - I heard what you just said; ok; all right.

Go ahead or Send your traffic - Send your transmission.

Negative - No

Out - I have finished talking to you and do not expect a reply.

Over - "Over to you." I have finished talking and I am listening for your reply.

Ready to Copy - Write down (i.e. "Prepare to copy" - 'I am ready to write down' when used in a reply transmission).

Roger - "I have received all of the last transmission" in both military and civilian aviation radio communications.

Standby or Wait out - Pause for the next transmission.

Wait - I do not have the information, I will attempt to answer request shortly but I have finished talking and don't expect a reply.

Wilco - Will comply (after receiving new directions, implies Roger).

CB Frequencies

1	26.965 MHz	Lowest Channel
2	26.975 MHz	
3	26.985 MHz	Unofficial Prepper
4	27.005 MHz	TAPRN Prepper
5	27.015 MHz	
6	27.025 MHz	High Power Skip
7	27.035 MHz	
8	27.055 MHz	
9	27.065 MHz	Emergency
10	27.075 MHz	
11	27.085 MHz	Radio Checks & Skip
12	27.105 MHz	
13	27.115 MHz	
14	27.125 MHz	
15	27.135 MHz	
16	27.155 MHz	Single Side Band
17	27.165 MHz	
18	27.175 MHz	
19	27.185 MHz	Truckers, Travelers
20	27.205 MHz	Radio Checks & Skip
21	27.215 MHz	
22	27.225 MHz	
23	27.255 MHz	Old Upper Limit
24	27.235 MHz	
25	27.245 MHz	
26	27.265 MHz	
27	27.275 MHz	
28	27.285 MHz	
29	27.295 MHz	
30	27.305 MHz	
31	27.315 MHz	
32	27.325 MHz	
33	27.335 MHz	
34	27.345 MHz	
35	27.355 MHz	
36	27.365 MHz	Chs 36-40 SSB
37	27.375 MHz	Prepper USB
38	27.385 MHz	LSB National Calling
39	27.395 MHz	
40	27.405 MHz	Highest Channel

UHF and VHF Frequencies

The following list of UHF and VHF frequencies are license free.

The Family Radio Service is legal from a 1/2 watt handheld with attached antenna. Channels 1 through 7 are shared with the General Mobile Radio Service (GMRS). The FRS rules are similar to the CB rules.

The Multi-Use Radio Service is used with 2 watt units with detachable antennas. The MURS rules allow encoded and digitized signals, except digitized voice signals. Some old high watt licenses are grandfather back for MURS frequencies. Neither FRS or MURS allow any repeaters or phone to radio connections.

	Family	Radio Service UHF
1	462.5625MHz	
2	462.5875MHz	
3	462.6125MHz	Unofficial Prepper
4	462.6375MHz	TAPRN Prepper
5	462.6625MHz	
6	462.6875MHz	
7	462.7125MHz	
8	467.5625MHz	
9	467.5875MHz	
10	467.6125MHz	
11	467.6375MHz	
12	467.6625MHz	
13	467.6875MHz	
14	467.7125MHz	
	Multi-Use	Radio Service VHF
1	151.820 MHz	
2	151.880 MHz	
3	151.940 MHz	Unofficial Prepper
4	154.570 MHz	TAPRN Prepper
5	154.600 MHz	

Q-Code (Basic) For Side Band and Short Wave Use

CQ	Break Channel - General Call
CQDX	Call for Distant Station
QRA	What is the Name of Your Station?
QRB	How Distant are You?
QRG	Tell Me Exact Frequency
QRH	Does Frequency Vary?
QRI	How is Tone of Transmission?
QRJ	Are My Signals Weak?
QRK	Readability of Signal Is...
QRL	Are you busy? I am busy
QRM	Interference From Other Stations
QRN	Static Interference
QRO	Increase Power
QRP	Decrease Power
QRQ	Send Faster
QRS	Send Slower
QRT	Stop Sending
QRU	Do You Have any Messages for Me?
QRV	Are you ready? I am ready
QRW	I am Calling on ____ Frequency
QSA	What is my Signal Strength?
QSB	Are my Signals Fading?
QSD	Is my (Morse code) Keying Defective?
OSG	Send ____ Message(s) at a time
QSK	May I Break in on Your Transmission?
QSL	Acknowledge Receipt
QSM	Repeat last message
QSO	Communicate Directly - A Conversation
QSP	Will You Relay to ____? I will relay to ____
QSV	Send a Series of V's
QSW	Will You Send on this Frequency?
QSX	Shall I switch to Another Frequency?
QSY	Switching Frequencies
QSZ	Send Each Group Twice
QTA	Cancel Message
QTB	Do You Agree with Number of Words?
QTC	How Many Messages Do You Have?
QTH	Location
QTR	Exact Time