Radio Services

	CB Citizen's Band	MURS Multi Use Radio Service	FRS Family Radio Service	GMRS General Mobile Radio Service	Ham Amateur Radio
FCC regulations	Part 95(d)	Part 95(j)	Part 95(b)	Part 95(e)	Part 97
License required	by device	by device	by device	individual 18+ y.o. (covers family)	individual by exam, any age (three license levels)
Repeater use	no	no	no	yes	yes
Channels Emergency Channel	40 9	5	22 20	30 20	frequency bands varies by band & context
Frequency Band	11m HF (AM)	VHF (FM)	UHF (FM)	UHF (FM)	VHF/UHF/HF
Max power allowed	4 watts AM 12 watts SSB	2 watts	2 watts (ch. 1-7) 0.5 watts (ch. 8-14) 2 watts (ch. 15-22)	5 watts (ch. 1-7) 0.5 watts (ch. 8-14) HT only 50 watts (ch. 15-22) 50 watts (ch. 15R-22R)	1500 watts* (*varies by license and frequency)
Realistic range, handheld	2-10 miles	2-4 miles	1-2 miles	2-5 miles	2-15 miles
Realistic range, mobile	10-20 miles	n/a	n/a	5-15 miles	15-100s of miles
Realistic range, base Range is highly variable, depending upon terrai Don't be misled by advertised claims, that wildl Notes		n/a	n/a non-removable antenna	15-40 miles Tx call sign every 15 mins	100-1000s of miles Tx call sign every 10 mins
Compiled July 17, 2024 Lee Lukehart K7AVR/WRAX623				NETICAS CONTROL OF THE PROPERTY OF THE PROPER	145 SECT 00 00 00 00 00 00 00 00 00 00 00 00 00