

Family Radio Service (FRS) and General Mobile Radio Service (GMRS) Comparison

	FRS	GMRS
Maximum Power Out:	0.5 Watt	5 Watts
External Antenna Allowed:	No	Yes, 20 ft max above ground or above the tree on which it is mounted
License:	No	Yes, \$85/5 years (rule pending to remove charge for individuals)
Channel Bandwidth:	12.5 kHz	25 kHz
Motorola Channel Convention:	CH Frequency	CH Frequency Pairs and Shared FRS
<i>Shared Frequencies (blue) are not subject to FRS power or antenna restrictions for GMRS operations</i>	1 462.5625	15 462.5500 467.5500 462.5625
	2 462.5875	16 462.5750 467.5750 462.5875
	3 462.6125	17 462.6000 467.6000 462.6125
	4 462.6375	18 462.6250 467.6250 462.6375
	5 462.6625	19 462.6500 467.6500 462.6625
	6 462.6875	20 462.6750 467.6750 462.6875
	7 462.7125	21 462.7000 467.7000 462.7125
	8 467.5625	22 462.7250 467.7250
	9 467.5875	
	10 467.6125	
	11 467.6375	
	12 467.6625	
	13 467.6875	
	14 467.7125	

Simplex and repeater outputs

Repeater inputs

PURCHASE ISSUE: All but one of the FRS/GMRS transceivers are sold in pairs with a SINGLE charger; assignment to "volunteer households" means each will have two radios. Not a big deal because the units are so cheap and it could be useful to have 2 radios available each household.

HT evaluation criteria: Cost, PL available, battery quality, simplicity of operation.