

FRS/GMRS combined channel chart

From The RadioReference Wiki

- **FCC FRS Page** (<https://www.fcc.gov/wireless/bureau-divisions/mobility-division/family-radio-service-frs>)
- **FCC GMRS Page** (<https://www.fcc.gov/general-mobile-radio-service-gmrs>)
- **47 CFR Part 95** (<https://www.ecfr.gov/current/title-47/chapter-I/subchapter-D/part-95?toc=1>) - Current FCC Part 95 rules, Electronic Code of Federal Regulations.
- **FCC rule changes effective October 28, 2021.**
 - Review of the Commission's Personal Radio Services Rules (<https://www.federalregister.gov/documents/2021/09/28/2021-19399/review-of-the-commissions-personal-radio-services-rules>) - Federal Register, September 28, 2021.
- **FCC rule changes effective September 28, 2017.**
 - Personal Radio Service Reform (<https://www.federalregister.gov/documents/2017/08/29/2017-17395/personal-radio-service-reform>) - Federal Register, August 28, 2017.

Contents

- 1 Current FRS/GMRS Channels (effective September 28, 2017)
- 2 Old FRS/GMRS Channels
- 3 Midland and Cobra Extra Channels
- 4 FRS/GMRS in Canada
- 5 Related Wiki Articles

Current FRS/GMRS Channels (effective September 28, 2017)

- Note that the old GMRS channels (the 462 MHz splinter channels and the 462/467 repeater channels) were not required to narrowband.
- FRS channel numbers (<https://www.ecfr.gov/current/title-47/chapter-I/subchapter-D/part-95/subpart-B/section-95.563>) commonly used by 22 channel radios are shown in

the leftmost column.

- Most 22 channel radios of this type which were formerly marketed as GMRS/FRS combination radios (radios that are not capable of repeater operation, do not include the repeater input frequencies, have a maximum power of 2 watts and have a non-detachable antenna) have been reclassified as FRS radios.

New FRS/GMRS Channel Table

FRS Channel	Frequency	FRS Power	FRS Bandwidth	GMRS Power	GMRS Bandwidth	Notes/Usage
01	462.5625	2 W	12.5 kHz	5 W	20 kHz	(1)
02	462.5875	2 W	12.5 kHz	5 W	20 kHz	(1)
03	462.6125	2 W	12.5 kHz	5 W	20 kHz	(1)
04	462.6375	2 W	12.5 kHz	5 W	20 kHz	(1)
05	462.6625	2 W	12.5 kHz	5 W	20 kHz	(1)
06	462.6875	2 W	12.5 kHz	5 W	20 kHz	(1)
07	462.7125	2 W	12.5 kHz	5 W	20 kHz	(1)
08	467.5625	0.5 W	12.5 kHz	0.5 W	12.5 kHz	(1)
09	467.5875	0.5 W	12.5 kHz	0.5 W	12.5 kHz	(1)
10	467.6125	0.5 W	12.5 kHz	0.5 W	12.5 kHz	(1)
11	467.6375	0.5 W	12.5 kHz	0.5 W	12.5 kHz	(1)
12	467.6625	0.5 W	12.5 kHz	0.5 W	12.5 kHz	(1)
13	467.6875	0.5 W	12.5 kHz	0.5 W	12.5 kHz	(1)
14	467.7125	0.5 W	12.5 kHz	0.5 W	12.5 kHz	(1)
15	462.5500	2 W	12.5 kHz	50 W	20 kHz	(1) (2)
16	462.5750	2 W	12.5 kHz	50 W	20 kHz	(1) (2)
17	462.6000	2 W	12.5 kHz	50 W	20 kHz	(1) (2)
18	462.6250	2 W	12.5 kHz	50 W	20 kHz	(1) (2)
19	462.6500	2 W	12.5 kHz	50 W	20 kHz	(1) (2)
20	462.6750	2 W	12.5 kHz	50 W	20 kHz	(1) (2)
21	462.7000	2 W	12.5 kHz	50 W	20 kHz	(1) (2)
22	462.7250	2 W	12.5 kHz	50 W	20 kHz	(1) (2)
	467.5500			50 W	20 kHz	(3)
	467.5750			50 W	20 kHz	(3)
	467.6000			50 W	20 kHz	(3)
	467.6250			50 W	20 kHz	(3)
	467.6500			50 W	20 kHz	(3)
	467.6750			50 W	20 kHz	(3)
	467.7000			50 W	20 kHz	(3)
	467.7250			50 W	20 kHz	(3)

Notes

- **(1)** Shared FRS and GMRS simplex.
- **(2)** GMRS repeater output.
- **(3)** GMRS repeater input only.
- For suggested and unofficial channel usages see the Family Radio Service (/index.php/Family_Radio_Service) and General Mobile Radio Service (/index.php/General_Mobile_Radio_Service) wiki articles.

Old FRS/GMRS Channels

- FRS radios with 14 (or fewer) channels and up to 1/2 watt power output are still manufactured and sold.

Old FRS/GMRS Channel Table

Common Channel	Frequency	FRS Chan.	FRS Power	FRS Bandwidth	GMRS Chan.	GMRS Power	GMRS Bandwidth	Note
01	462.5625	FRS 1	0.5 W	12.5 kHz	GMRS 9	5 W	25 kHz	(1)
02	462.5875	FRS 2	0.5 W	12.5 kHz	GMRS 10	5 W	25 kHz	(1)
03	462.6125	FRS 3	0.5 W	12.5 kHz	GMRS 11	5 W	25 kHz	(1)
04	462.6375	FRS 4	0.5 W	12.5 kHz	GMRS 12	5 W	25 kHz	(1)
05	462.6625	FRS 5	0.5 W	12.5 kHz	GMRS 13	5 W	25 kHz	(1)
06	462.6875	FRS 6	0.5 W	12.5 kHz	GMRS 14	5 W	25 kHz	(1)
07	462.7125	FRS 7	0.5 W	12.5 kHz	GMRS 15	5 W	25 kHz	(1)
08	467.5625	FRS 8	0.5 W	12.5 kHz				(1)
09	467.5875	FRS 9	0.5 W	12.5 kHz				(1)
10	467.6125	FRS 10	0.5 W	12.5 kHz				(1)
11	467.6375	FRS 11	0.5 W	12.5 kHz				(1)
12	467.6625	FRS 12	0.5 W	12.5 kHz				(1)
13	467.6875	FRS 13	0.5 W	12.5 kHz				(1)
14	467.7125	FRS 14	0.5 W	12.5 kHz				(1)
15	462.5500				GMRS 1	50 W	25 kHz	(2)
16	462.5750				GMRS 2	50 W	25 kHz	(2)
17	462.6000				GMRS 3	50 W	25 kHz	(2)
18	462.6250				GMRS 4	50 W	25 kHz	(2)
19	462.6500				GMRS 5	50 W	25 kHz	(2)
20	462.6750				GMRS 6	50 W	25 kHz	(2)
21	462.7000				GMRS 7	50 W	25 kHz	(2)

Common Channel	Frequency	FRS Chan.	FRS Power	FRS Bandwidth	GMRS Chan.	GMRS Power	GMRS Bandwidth	Note
22	462.7250				GMRS 8	50 W	25 kHz	(2)
	467.5500				GMRS 1 in	50 W	25 kHz	(4)
	467.5750				GMRS 2 in	50 W	25 kHz	(4)
	467.6000				GMRS 3 in	50 W	25 kHz	(4)
	467.6250				GMRS 4 in	50 W	25 kHz	(4)
	467.6500				GMRS 5 in	50 W	25 kHz	(4)
	467.6750				GMRS 6 in	50 W	25 kHz	(4)
	467.7000				GMRS 7 in	50 W	25 kHz	(4)
	467.7250				GMRS 8 in	50 W	25 kHz	(4)

Notes

- **(1)** FRS simplex.
- **(2)** GMRS simplex.
- **(3)** GMRS repeater output.
- **(4)** GMRS repeater input only.
- For suggested and unofficial channel usages see the Family Radio Service (/index.php/Family_Radio_Service) and General Mobile Radio Service (/index.php/General_Mobile_Radio_Service) wiki articles.

Midland and Cobra Extra Channels

- Midland and Cobra make radios with up to 38 "Extra Channels" (for a total of 40, 50 or 60 channels depending on the model).
- These extra channels are simply existing FRS/GMRS frequencies with hard coded tones, and fixed low power on the 467 MHz channels.

Midland and Cobra Extra Channels

"Extra" Channel	Actual Channel	Frequency	PL/DPL No.	PL Tone/DPL Code
23	1	462.5625	38	250.3
24	3	462.6125	35	225.7
25	5	462.6625	32	203.5
26	7	462.7125	29	179.9
27	15	462.5500	26	162.2
28	17	462.6000	23	146.2
29	19	462.6500	20	131.8

"Extra" Channel	Actual Channel	Frequency	PL/DPL No.	PL Tone/DPL Code
30	21	462.7000	17	118.8
31	2	462.5875	1	67.0
32	4	462.6375	4	77.0
33	6	462.6875	7	85.4
34	8	467.5625	10	94.8
35	10	467.6125	13	103.5
36	12	467.6625	16	114.8
37	14	467.7125	19	127.3
38	16	462.5750	22	141.3
39	18	462.6250	25	156.7
40	20	462.6750	28	173.8
41	22	462.7250	31	192.8
42	1	462.5625	14	107.2
43	3	462.6125	11	97.4
44	5	462.6625	8	88.5
45	7	462.7125	5	79.7
46	15	462.5500	2	71.9
47	17	462.6000	37	241.8
48	19	462.6500	34	218.1
49	21	462.7000	31	192.8
50	2	462.5875	2	71.9
51	4	462.6375	5	79.7
52	6	462.6875	8	88.5
53	8	467.5625	11	97.4
54	10	467.6125	14	107.2
55	12	467.6625	17	118.8
56	14	467.7125	20	131.8
57	16	462.5750	23	146.2
58	18	462.6250	26	162.2
59	20	462.6750	29	179.9
60	22	462.7250	32	203.5

FRS/GMRS in Canada

- RSS-210 Annex E (<http://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf01320.html#aE>) - Canadian FRS/GMRS rules.
- SP 462/467 MHz (<http://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf08144.html>) -

Spectrum Utilization Policy to Permit Licence-Exempt Devices in the Land Mobile Frequency Sub-bands 462/467 MHz.

Related Wiki Articles

- [Citizens Band \(/index.php/Citizens_Band\)](/index.php/Citizens_Band)
- [Family Radio Service \(/index.php/Family_Radio_Service\)](/index.php/Family_Radio_Service)
- [General Mobile Radio Service \(/index.php/General_Mobile_Radio_Service\)](/index.php/General_Mobile_Radio_Service)
- [Multi-Use Radio Service \(/index.php/Multi-Use_Radio_Service\)](/index.php/Multi-Use_Radio_Service)

Return to DB pages: [Family Radio Service \(FRS\) \(https://www.radioreference.com/apps/db/?aid=7732\)](https://www.radioreference.com/apps/db/?aid=7732), [General Mobile Radio Service \(GMRS\) \(https://www.radioreference.com/apps/db/?aid=7730\)](https://www.radioreference.com/apps/db/?aid=7730)

Return to Wiki pages: [Family Radio Service \(/index.php/Family_Radio_Service\)](/index.php/Family_Radio_Service), [General Mobile Radio Service \(/index.php/General_Mobile_Radio_Service\)](/index.php/General_Mobile_Radio_Service), [Common Frequencies \(/index.php/Common_Frequencies\)](/index.php/Common_Frequencies)

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