

Re: multiple vehicles tracking each other

Source: <http://sci.tech-archive.net/Archive/sci.geo.satellite-nav/2006-01/msg00378.html>

- *From:* John <jlwsecure-usenet5@xxxxxxxxxx>
 - *Date:* Sun, 08 Jan 2006 03:45:48 GMT
-

"Gerard M Foley" <gfoley@xxxxxxxxxxxxxxxxxx> wrote in
[news:SWXvf.12695\\$tR5.10217@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](news:SWXvf.12695$tR5.10217@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx):

- >
- > "Eric Anderson" <eganders@xxxxxxxxxx> wrote in message
- > <news:1135023486.332374.207490@xx>
- >> Is there a product that uses GPS and wireless (say, Wi-Fi) to allow
- >> several vehicles to track each other on a screen so they can see
- >> themselves and a couple of other vehicles with the same equipment?
- >
- > Amateur radio uses a system called APRS which does this:
- >
- > <http://www.cave.org/aprs/>
- >
- > It should be possible to adapt this to other radio services, such as
- > FRS and GMRS.

Negative. GMRS regulations forbid this type of communication. Data communication is forbidden by regulation. The **only** exception is a waiver granted Garmin for its GPS/GMRS units.

GMRS regulations forbid any non voice communication See sections (e) and (f) below::

Sec. 95.631 Emission types.

- (a) A GMRS transmitter must transmit only emission types A1D, F1D, G1D, H1D, J1D, R1D, A3E, F3E, G3E, H3E, J3E or R3E. A non-voice emission is limited to selective calling or tone-operated squelch tones to establish or continue voice communications. See Sec. 95.181 (g) and (h).
- (b) An R/C transmitter may transmit any appropriate non-voice emission which meets the emission limitations of Sec. 95.633.
- (c) A CB transmitter may transmit only emission types A1D, H1D, J1D, R1D, A3E, H3E, J3E, R3E. A non-voice emission is limited to selective calling or tone-operated squelch tones to establish or continue voice

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communications. See Sec. 95.412 (b) and (c).

(d) An FRS unit may transmit only emission type F3E or F2D. A non-voice emission is limited to selective calling or tone-operated squelch tones

to establish or continue voice communications, digital data transmission of location information or text messaging.

(e) No GMRS or CB transmitter shall employ a digital modulation or emission.

(f) No GMRS, CB or R/C transmitter shall transmit non-voice data.

Evidently, FRS will allow this type of emission.

• ***Follow-Ups:***

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• ***References:***

◆ ***Re: multiple vehicles tracking each other***

◇ *From:* Gerard M Foley

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