Description of Operations

FCC ID: MRXG403MA4
IC: 2546A-G403MA4

Consumer Use Modes	Manufacturing & Service Modes	Mode of Operation	Explanation	Frequency of Transmission
X		Roll Mode (Drive Mode)	Transmitter in normal operation – wheel is rotating and shock sensor detects motion	8words every 60 seconds
	X	Learn Mode	Transmits after LF transponder activation or when sensor exits Off Mode due to pressure delta	40 words whenever LF activation occurs
	X	Factory Mode	Transmitter is in Factory Mode for the next 15 or fewer shock sensor motion detects after a learn activation. The wheel has to be rotating	8 words every 30 seconds
X	X	Stationary Mode	Transmitter enters mode after Factory Mode or Drive Mode – wheel is not rotating – vehicle is stopped	8 words every 60min
X	X	Off Mode	Transmits when sensor transitions to Off Mode	8 words on mode change
X		Low Battery Mode	Transmits as normal with low battery bit set	8 words when low battery occurs in Roll Mode
X		Re-measure Mode	Transmits when a pressure delta is detected	8 words when pressure delta occurs
X	X	Sleep Mode	All of the time between other modes	No transmission
X		Wake	Transmitter in normal operation – wheel has started to rotate and shock sensor detects motion- only on the first motion signal, the data block will contain the function code for “Wake” then return to “Roll”	8 words on mode change into Roll.

Per FCC correspondence, service modes fall under FCC part 15.231(a)(5).

Joseph Brunett <jdbrunett@gmail.com>

Response to Inquiry to FCC (Tracking Number 378112)

Generic Office of Engineering Technology <oetech@fccsun27w.fcc.gov> **Thu, Jun 22, 2006 at 11:48 AM**

To: jdbrunett@gmail.com

Inquiry:
Tire Pressure Monitor Transmitters (15.231 devices) contain special modulation modes that are used to setup and program the tire pressure monitoring system on the vehicle. They are used in factory and service environments (i.e. vehicle/tire dealers) only. Since these procedures require special equipment and training, they will not be evoked by the consumer. Would operation in these modes fall under FCC section 15.231 (a)(5), or under FCC Part 2.803(d),2.803(e)(1)(iv),(v), and 2.803(e)(2), or both? Sincerely, JDB

Response:
The special modulation modes, used for setup of the tire gauge device, will fall under Section 15.231(a)(5) only in this case.

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