MICHELIN MEMS4 LTE Evolution Module Transceiver Instructions

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DISPOSAL
The MEMS EVOLUTION 4, LTE/GPS MODULE must not be disposed of in landfill.

At the end of its life, the MEMS EVOLUTION 4, LTE/GPS MODULE must be removed from the vehicle and deposited in a container dedicated to the recycling of electronic equipment. If users do not have access to the appropriate recycling facility, your local Michelin MEMS representative is able to provide a container dedicated to the purpose of collecting MEMS equipment.

Contents

PRODUCT INFORMATION

For correct operation, the coupling torque of all SMA connectors is 0.34 – 0.57Nm. Failure to tighten to this range can result in loss of performance and/or damage to the connector during use.

CONTACT DETAILS – Technical Support
For more information or assistance, please contact the Michelin MEMS representative for your country.

Brasil, Chile & Perú : +55 (21) 36 21 4646
USA, Canada & México : +1 864 458 5000
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China : +86 21 22855000
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Features, specifications are subject to change without notification. Document version 3.0

PRODUCT NAME
MEMS4 LTE/GPS MODULE TRANSCEIVER – Part Number CAI 906401 IMEI TAC Number: 35 925908

PRODUCT DESCRIPTION
The MEMS 4 LTE/GPS MODULE TRANSCEIVER is mounted in a MEMS EVOLUTION 4 TRANSCEIVER. It transmits to the MEMS SERVER, via an externally antenna, the pressure and temperature of tyres fitted with a MEMS SENSOR together with the location of the vehicle in which the transceiver is mounted. It can also receive from the server, updates of the transceiver configuration and software.

FCC / IC CERTIFICATION
Model : RV8-01

FCC ID : FI5-RV801

Contains FCC ID: N7NEM75 / Contains IC: 2417C-EM75

Note: This product has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This product generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this product does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help

FCC Statement
Please take attention that changes or modification not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by Michelin may void the user’s authority to operate the equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

PRODUCT SPECIFICATION

Frequency band support

Band	LTE	WCDMA	Frequency (Tx	Frequency (Rx)
B1	o	o	1920–1980 MHz	2110–2170 MHz
B2	o	o	1850–1910 MHz	1930–1990 MHz
B3	o		1710–1785 MHz	1805–1880 MHz
B4	o	o	1710–1755 MHz	2110–2155 MHz
B5	o	o	824–849 MHz	869–894 MHz
B6	o	o	830–840 MHz	875–885 MHz
B7	o		2500–2570 MHz	2620–2690 MHz
B8	o	o	880–915 MHz	925–960 MH
B9	o	o	1749.9–1784.9 MHz	1844.9–1879.9 MHz
B12	o		699–716 MHz	729–746 MH
B13	o		777–787 MHz	746–756 MH
B18	o		815–830 MHz	860–875 MHz
B19	o	o	830–845 MHz	875–890 MHz
B20	o		832–862 MHz	791–821 MHz
B26	o		814–849 MHz	859–894 MHz
B28	o		703–748 MHz	758–803 MH
B29	o		n/a	717–728 MH
B30	o		disabled	2350–2360 MHz
B32	o		n/a	1452–1496 MHz
B42	o		2496–2690 MHz (TDD)	
B43	o		3400–3600 MHz (TDD)	
B46	o		3600–3800 MHz (TDD)	
B48	o		n/a	5150–5925 MHz (TDD)
B66	o		3550–3700 MHz (TDD	

Storage Conditions

- Storage temperature: -40 to +80°C, -40°F to +176°F

Operating Conditions

- Operating temperature: -20°C to +60°C, -4°F to +140°F

Physical Characteristics

- Dimensions: L=180mm. W= 65mm. D=20mm (including connectors)
- Weight: approximately 500g
- Aluminium case, anodized

Documents / Resources

	MICHELIN MEMS4 LTE Evolution Module Transceiver [pdf] Instructions RV8-01, FI5-RV801, FI5RV801, RV801, MEMS4 LTE, MEMS4 LTE Evolution Module Transceiver, Evolution Module Transceiver, Module Transceiver