

During the manufacturing process, the manufacturer (Grantee) performs the following actions. A Verizon SIM card is inserted, and the device is configured to only use band 13 by forcing the module to only use a band 13 only profile (see command reference below). Note that this profile is directly linked to the Verizon carrier. As far as OTA configuration of band 13 operation, this is all part of the UBLOX SARA module's approval. This device will only ever operate on the Verizon network.

## B.5 Mobile Network Operator profiles

By means of **+UMNOPROF** AT command the module is able to manage different MNO profiles that configure the module according with the MNO configuration. Reboot the module with **AT+CFUN=15** to make the MNO profile active. For more details, see **+UMNOPROF** AT command.

Depending on the module type numbers the MNO profile version can assume different settings. The following tables provide an overview of each MNO profile and the list of AT commands whose setting can be overridden by the MNO profile. Depending on MNO profile the corresponding AT command setting can be locked by the MNO profile (see "Locked" field for more details).

- SARA-R410M-02B
  - o SARA-R410M-02B-01 Americas MNO profiles
  - o SARA-R410M-02B-01 EMEA MNO profiles
  - o SARA-R410M-02B-01 APAC MNO profiles
- SARA-R410M-52B
  - o SARA-R410M-52B-01 Americas MNO profiles
- SARA-R410M-63B
  - o SARA-R410M-63B-00 Americas MNO profiles
  - o SARA-R410M-63B-00 APAC MNO profiles
- SARA-R410M-73B
  - o SARA-R410M-73B-00 Americas MNO profiles
  - o SARA-R410M-73B-00 APAC MNO profiles
- SARA-R412M
  - o SARA-R412M-02B-01 Americas MNO profiles
  - o SARA-R412M-02B-01 EMEA MNO profiles

	Undefined	AT&T	Verizon	T-Mobile US	Sprint	Telus
<b>MNO profile</b>						
<MNO>	0	2	3	5	8	21
Version	n/a	7.1	7.0	7.0	7.0	7.0
<b>+UBANDMASK</b>						
LTE-M bands	2, 3, 4, 5, 8, 12, 13, 18, 19, 20, 25	2, 4, 5, 12	13	n/a	12, 25	2, 4, 5, 12
NB-IoT bands	2, 3, 4, 5, 8, 12, 13, 18, 19, 20	n/a	n/a	2, 4, 5, 12	n/a	n/a

Responses concerning KDB594280

Section I – Device can only be programmed by the grantee at the time of manufacture. There is no professional installer or user ability to configure the transmitter that would allow the transmitter to be out of compliance.

Section II – There is no professional installer or user ability to configure the transmitter.

Section III – There is no user or professional installer ability for configuration control of parameters defined in this section.

Section IV – There is no Wi-Fi ability on this equipment. Additionally, users or professional installers have no ability to alter the programming of the device to allow it to operate outside authorized bands

Section V- There is no Wi-Fi ability on this equipment or any master device that controls other transmitters

Section VI- There is no OTA programming of the module that would affect any of the original equipment **original operating parameters of frequency range, modulation type, maximum output power or the circumstance under which the original module transmitter has been approved.**

Section VII - Software configuration control for radio or other technical parameters are not allowed