

# W77BLGSM1 User Manual

## 1 Document Revision History

Revision	Date	Author	Summary
1	June 11, 2014	Scott Jacobsen	Initial release
2	June 20, 2014	Scott Jacobsen	Add antenna gain values and explanation for colocation restrictions

## 2 Purpose of this Manual

The purpose of this manual is to define guidance on the usage of the BGS2 cellular radio module under its FCC ID: W77BLGSM1. The module is manufactured and sold by Gemalto M2M GmbH under FCC ID: QIPBGS2, but Blackline GPS obtained a Change in Identification for the module for the purpose of filing class II permissive changes to the grant as they relate to specific RF exposure conditions.



### 3 FCC Compliance Statement

The host product must be labeled with the following:

Contains FCC ID: W77BLGSM1

The host product manual must include following statements:

“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 Blackline GPS, may void the user’s authority to operate the equipment.

The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20cm from all persons and must not be co-located or operated in conjunction with any antenna or transmitter not described under this FCC ID. The final product operating with this transmitter must include operating instructions and antenna installation instructions, for end-users and installers to satisfy RF exposure compliance requirements.

This device is approved for use in specific co-located configurations in generic host platforms as described in this filing. See “Loner Bridge RF Exposure Compliance and Appendices.”

Co-location with other modules has been evaluated and is restricted to the following:

Module Description	Model	FCC ID	IC ID	Grantee
Satellite	9602	Q639602	4629A-9602	Iridium Satellite LLC
Frequency Hopping Transceiver	MLINK G 900A FW	KQNMLINK900	2361A-MLINK900	Murandi Communications Ltd

Co-location has been evaluated with and is restricted to the following antenna gains:

Frequency Band	Peak Gain(dBi)
Cellular	0.5
PCS	1.5
Satellite	3.0
915 MHz ISM	2.4



## 4 IC Compliance Statement

The host product must be labeled with the following (in English and French):

Contains IC: 8255A-BLGSM1

The host product manual must include following statements (in English and French):

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

*Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :*

- (1) l'appareil ne doit pas produire de brouillage, et*
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.*