



# TECHNICAL ACCEPTANCE CERTIFICATE



Certificate Validation

## TECHNICAL ACCEPTANCE CERTIFICATE

12141A-BL240D / 8 Sep 2022 / Rev A

for Innovation, Science and Economic Development (ISED) Canada

MiCOM Labs Inc. declares, on the basis of the assessment of the tests and the technical documentation provided by the applicant that the following product complies with the requirements of the above noted regulator.

Product Marketing Name:  
**SD MDR**

Applicant Name:  
**Brigade Electronics Group PLC**

I hereby attest that the subject equipment was tested and found in compliance with the below noted specification.  
J'atteste, par la présente, que le matériel a fait l'objet d'essai et a été jugé conforme à la spécification ci-dessous.



  
**Gordon Hurst, Product Certifier**

This Certificate is Issued under the Authority of:

**MiCOM Labs Inc., 575 Boulder Court, Pleasanton, California 94566, USA**

FCB Number: US0159



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for Innovation, Science and Economic Development (ISED)

Product Marketing Name:

**SD MDR**

Unique Product Number: **BL240D**

**Applicant:** **Brigade Electronics Group PLC**, Brigade House, The Mills, Station Road, South Darenth, Kent, DA4 9BD, United Kingdom; **CN Number: 12141A**

**ISED Representative:** **Synnex Canada limited**, 3300 Cote-Vertus, Suite 110, Ville St. Laurent QC H4R 2B7 Canada; **CN Number: 5408B**

**Test Lab:** **Shenzhen HUAK Testing Technology Co., Ltd.**, 1-2/F., Building B2, Junfeng Zhongcheng Zhizao Innovation Park, Fuhai Street, Bao'an District, Shenzhen, China, Shenzhen, China; **CN Number: 21210**

Wireless Test Site	Open Area Test Site	SAR Test Site	Terminal Test Site
21210	--	--	--

### Technical Details

Specification	Issue	Technology	Frequency Range		Emission Designator	Power		
			From	To		Min.	Max.	Type
RSS-247	2	802.11b	2412MHz	2462MHz	12M3G1D--	--	0.04498W	Conducted
RSS-247	2	802.11g	2412MHz	2462MHz	16M8D1D--	--	0.03776W	Conducted
RSS-247	2	802.11n20	2412MHz	2462MHz	17M7D1D--	--	0.03565W	Conducted
RSS-247	2	802.11n40	2422MHz	2452MHz	36M1D1D--	--	0.03083W	Conducted
RSS-133	6	WCDMA Band II	1852.4MHz	1907.6MHz	4M14F9W--	--	0.14791W	EIRP
RSS-132	3	WCDMA Band V	826.4MHz	846.6MHz	4M15F9W--	--	0.38905W	EIRP
RSS-133	6	LTE Band 2	1860MHz	1900MHz	17M9G7D--	--	0.33266W	EIRP
RSS-133	6	LTE Band 2	1855MHz	1905MHz	8M97G7D--	--	0.40926W	EIRP
RSS-133	6	LTE Band 2	1860MHz	1900MHz	17M9W7D--	--	0.35563W	EIRP
RSS-139	3	LTE Band 4	1720MHz	1745MHz	17M9G7D--	--	0.15276W	EIRP
RSS-139	3	LTE Band 4	1720MHz	1745MHz	17M9W7D--	--	0.09016W	EIRP
RSS-132	3	LTE Band 5	826.5MHz	846.5MHz	2M69G7D--	--	0.54828W	EIRP
RSS-132	3	LTE Band 5	829MHz	844MHz	8M98G7D--	--	0.46026W	EIRP
RSS-132	3	LTE Band 5	829MHz	844MHz	8M98W7D--	--	0.53703W	EIRP
RSS-130	2	LTE Band 12	704MHz	711MHz	8M96G7D--	--	0.39811W	ERP
RSS-130	2	LTE Band 12	704MHz	711MHz	8M97W7D--	--	0.29512W	ERP
RSS-130	2	LTE Band 13	779.5MHz	784.5MHz	4M50W7D--	--	0.41020W	ERP
RSS-130	2	LTE Band 13	782MHz	782MHz	8M96G7D--	--	0.38371W	ERP
RSS-130	2	LTE Band 13	782MHz	782MHz	8M95W7D--	--	0.37757W	ERP
RSS-140	1	LTE Band 14	793MHz	793MHz	8M94G7D--	--	0.27479W	ERP

Certification of equipment means only that the equipment has met the requirements of the above-noted specification. Licence applications, where applicable to use certified equipment, are acted on accordingly by the ISED issuing office and will depend on the existing radio environment, service and location of operation. This certificate is issued on condition that the holder complies and will continue to comply with the requirements and procedures issued by ISED. The equipment for which this certificate is issued shall not be manufactured, imported, distributed, leased, offered for sale or sold unless the equipment complies with the applicable technical specifications and procedures issued by ISED.

La certification du matériel signifie seulement que le matériel a satisfait aux exigences de la norme indiquée ci-dessus. Les demandes de licences nécessaires pour l'utilisation du matériel certifié sont traitées en conséquence par le bureau de délivrance d'ISDE et dépendent des conditions radio ambiantes, du service et de l'emplacement d'exploitation. Le présent certificat est délivré à la condition que le titulaire satisfasse et continue de satisfaire aux exigences et aux procédures d'ISDE. Le matériel à l'égard duquel le présent certificat est délivré ne doit pas être fabriqué, importé, distribué, loué, mis en vente ou vendu à moins d'être conforme aux procédures et aux spécifications techniques applicables publiées par ISDE.



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**12141A-BL240D / 8 Sep 2022 / Rev A**

**for Innovation, Science and Economic Development (ISED)**

### Technical Details - Continued

Specification	Issue	Technology	Frequency Range		Emission Designator	Power		
			From	To		Min.	Max.	Type
RSS-140	1	LTE Band 14	793MHz	793MHz	8M94W7D--	--	0.27990W	ERP
RSS-139	3	LTE Band 66	1717.5MHz	1772.5MHz	13M4W7D--	--	0.31842W	EIRP
RSS-139	3	LTE Band 66	1720MHz	1770MHz	17M9G7D--	--	0.30339W	EIRP
RSS-139	3	LTE Band 66	1720MHz	1770MHz	17M9W7D--	--	0.31046W	EIRP
RSS-130	2	LTE Band 71	665.5MHz	695.5MHz	4M50G7D--	--	0.21827W	ERP
RSS-130	2	LTE Band 71	673MHz	688MHz	17M9G7D--	--	0.19861W	ERP
RSS-130	2	LTE Band 71	673MHz	688MHz	17M9W7D--	--	0.24322W	ERP
<b>Cahiers des charges</b>	<b>Numéro de la version</b>	<b>Technologie</b>	<b>Gamme de fréquence</b>		<b>Désignatif d'émission</b>	<b>Puissance</b>		

#### Technical Acceptance Certificate

#### Certificat D'acceptabilité Technique

Company Name	<b>Brigade Electronics Group PLC</b>	Nom de l'entreprise
Certification No.	<b>12141A-BL240D</b>	No. De certification
Issue Date / Rev	<b>8 Sep 2022 / Rev A</b>	Date D'émission / Rev
Equipment Description	<b>SD MDR</b>	Description de l'équipement
Type of Equipment	<b>Cellular Network - Other Portable Device</b>	Type de matériel
Product Marketing Name	<b>SD MDR</b>	Nom du produit Marketing(PMN)
Host Marketing Name	<b>--</b>	Nom de l'hôte marketing (HMN)
Hardware Version Identification Number	<b>BL-240D(NA)</b>	Version Hardware numéro d'identification (HVIN)
Firmware Version Identification Number	<b>V2.0</b>	Firmware Version numéro d'identification (FVIN)

### Antennas

Antenna Type	Manufacturer	Model/Part No.	Gain (dBi)	Frequency Range (MHz)
External Antenna	Brigade Electronics Group PLC	--	1	2400-2500
External Antenna	Brigade Electronics Group PLC	--	1	1850-1910
External Antenna	Brigade Electronics Group PLC	--	1	1710-1755
External Antenna	Brigade Electronics Group PLC	--	1	824-849
External Antenna	Brigade Electronics Group PLC	--	1	699-716
External Antenna	Brigade Electronics Group PLC	--	1	777-787
External Antenna	Brigade Electronics Group PLC	--	1	788-798
External Antenna	Brigade Electronics Group PLC	--	1	1710-1780
External Antenna	Brigade Electronics Group PLC	--	1	663-698