

StreamCaster MIMO Radio Basic User Manual

This equipment has been constructed so that the product complies with the requirement of with Article 10(2) as it can be operated in at least one Member State as examined and the product is compliant with Article 10(10) as it has no restrictions on putting into service in all EU member states.

See restrictions mentioned in ERC Recommendation 25-10, Table 7-C2, for guidance of restrictions applicable to specific countries.

Table 7-C2: additional information regarding the national conditions for the identified tuning ranges for video PMSE applications - Band C2

Frequency Band	Country	Implementation	Conditions/remarks
C2 2026-2110 MHz	ALT	I*	Max. 10 MHz Channels, max. 20dBW eqp, 2070-2080 MHz. Restricted to Broadcasters only. 2080-2110 MHz. Restricted to fire brigades and private users.
	ATF	Y*	On a secondary basis.
	BEL	I	FMS old MW link systems for FMSF. Military use in 2025-2110 MHz.
	BUL	Y	ERC Report 210. Available for Cordless Cameras, Portable video links and Mobile video links.
	CZE	Y*	The band may be used in the coordination with the Ministry of Defence of the Czech Republic. https://www.cdu.cz/sk/sk/default/files/obsah-to-ctu-foup-p-06-09-2014-07-on.pdf , now version is available only in czech https://www.cdu.cz/sk/sk/default/files/obsah-to-ctu-foup-p-06-09-2014-07-on.pdf , now version is available only in czech https://www.cdu.cz/sk/sk/default/files/obsah-to-ctu-foup-p-06-09-2014-07-on.pdf .
	D	N	Deviations from the specifications in the Frequency Plan ("FreqP") could be permitted for a limited time in accordance with §50 TRG. This is provided that the frequency usages indicated in the I frequency Ordinance (I regV) and the I frequency Plan are not adversely affected (for more details see: https://www.bundesnetzagentur.de/cdn_14120/L/Sachgebiete/Telekommunikation/Unternehmen_Institutionen/frequenzen/SpezielleAnwendungen/Kurzzuteilungen/kurzzuteilungen-co-nord.html).
	DNK	Y*	
	L	N	Band not available.
	EST	I*	2075-2110 MHz SAP/SAN. See Regulation of Ministry of Communication and Economical Affairs 21.05.2015 No.35. Otherwise governmental use.
	F	I*	Temporary licenses, e.i.p. max. -10 dBW. Use of 10 MHz bandwidth centered on 2085 MHz and 2085 MHz for ground-to-ground link and 10 MHz bandwidth centered on 2085 MHz and 2105 MHz for air-to-ground link. Coordination required between assigning authorities (in Départment and Spain) regarding the use of the other available bands in order to avoid harmful interference. ARCLIT Decision 2016-1130.
	FIN	I*	Cordless cameras, temporary use on a case-by-case basis. Standard EN 302064. Other use includes military use and space operation.
	G	Y*	Technology and application neutral but typically used for wireless cameras, typically licensed at 100 mW e.i.p.
	GEO	L*	
	GRC	L*	Cordless Cameras, Portable/Mobile video links, 2087.5-2108.5 MHz; not available (exclusive use by security services).
	HUN	N	Band not available (governmental use). However, the band may be used for short term I/MSL use if the user demand makes it necessary at certain occasions like main events. In this case the authority handles the requests on a case-by-case basis and if the frequency use can be authorised the users receive an individual license.
	HOL	L*	2070-2110 MHz for EN9-OB only.

Possible implementation status: Y = the whole band is available for I/MSL, L = Limited availability, N = the band is not available for I/MSL, * = Individual licence may be required, I = restrictions apply (e.g. geographical restrictions)

EU DECLARATION OF CONFORMITY

Number: 10045C000

Name and address of the Manufacturer

Silvus Technologies, Inc.,
10990 Wilshire Blvd., Suite #1500
Los Angeles, CA 90024 U.S.A

This declaration of conformity is issued under the sole responsibility of the manufacturer.

Object of the declaration

Product information

StreamCaster:
SC4240EP-139-BB, SC4240EP-139-EB, SC4480E-139-SBST

Additional information

SW version : v4.0.2.7 (all models)
HW version : B1: SC4480E-139-SBST
B7: SC4240EP-139-BB
C7: SC4240EP-139-EB

The object of the declaration described above is in conformity with the relevant Union harmonisation legislation:

- References to the relevant harmonised standards used or references to the technical specifications in relation to which conformity is declared

Radio Equipment Directive 2014/53/EU

EN 301 489-1 V2.1.1
EN 301 489-28 V1.1.1
EN 302 084 V2.1.1
EN 62368-1
EN62311:2008

RoHS Directive 2011/65/EU

EN 50581:2012

The notified body

Name: TÜV SÜD America
Number: 1929

performed

- a conformity assessment of the technical construction file

and issued the certificate

NB06 002138 0004 Rev. 00

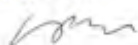
Additional information

N/A

Signed for and on behalf of:

Silvus Technologies Inc

Authorised Representative:



Name and Surname / Function:

WeiJun Zhu, Vice President of Engineering

Date of Issue:

March 2, 2023

8.3 (-235467 Models)

The following Silvus Technologies models are declared to conform to CE Mark requirements:

Silvus P/N: SC4240EP-235467-BB, SC4240EP-235467-EB, SC4480E-235467-SBST

Relevant standards:

- ETSI EN 302 064 V2.1.1 (2016-09), Wireless Video Links, Harmonized Standard
- ETSI EN 301 489-1 V2.2.0 (2017-03), EMC, Common Technical Requirements
- ETSI EN 301 489-28 V1.1.1 (2004-09), EMC, Specific conditions for wireless digital video links
- EN 62368-1, Product Safety Standard

Frequency range:

- S band (2200MHz to 2500MHz)
- C band (4400MHz to 4940MHz)

Maximum RF power: In compliance with EN302-064, for Tx BW=20MHz, the output power must not exceed:

- For S-band, 27dBm/0.5W per channel
- For C-band, 24dBm/0.25W per channel

Antenna: 2dBi Omni Antennas (AOV2D230515G-TM)

Cable: Silvus cable assembly (SC-PRICBL-A-6H)

Safe Working Distance:

Maintain minimum safe working distance between radios & users by models below:

- SC42xx-235467, >34cm
- SC44xx-235467, >67cm

For more details, refer to TUV report no. 72171985D, "Radio Frequency Exposure Verification of the Silvus Technologies Inc. StreamCaster SC4240EP-235467 and SC4480E-235467 Tactical MIMO Radios. The CE Mark Technical File is available upon request for inspection.

To satisfy RF exposure requirements, this device and its antennas must operate with the minimum separation distances listed above from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter, except in accordance with RED RF Exposure requirements.

This equipment has been constructed so that the product complies with the requirement of with Article 10(2) as it can be operated in at least one Member State as examined and the product is compliant with Article 10(10) as it has no restrictions on putting into service in all EU member states.

See restrictions mentioned in ERC Recommendation 25-10, Table 7-C2, for guidance of restrictions applicable to specific countries.

Table 7-C2: additional information regarding the national conditions for the identified tuning ranges for video PMSE applications - Band C2

Frequency Band	Country	Implementation	Conditions/remarks
C2 2026-2110 MHz	ALT	I*	Max. 15M Hz Channels, max. 20dBW eirp, 2070-2086 M Hz. Restricted to Broadcasters only. 2090-2110 M Hz. Restricted to fire brigades and private users.
	AUT	Y*	On a secondary basis.
	BEL	I	FNS old MW link systems for FMST. Military use in 2026-2110 M Hz.
	BUL	Y	ECC Report 210. Available for Cordless Cameras, Portable video links and Mobile video links.
	CZE	Y*	The band may be used in the coordination with the Ministry of Defence of the Czech Republic. https://www.czu.cz/info/sidefaile/fns/obcasko-sch/rup-p_06_09-2014-07_en.pdf , new version is available only in czech https://www.czu.cz/sites/default/files/obsah/czu/vyva-k-uplatneni-opimink-k-arvhu-spateni-obecny-ch-vyuziti-a-dru-hych-spektral-nu-pu-pd-fax-2017-gg-pro-kmitule-tve-gsm-m-1300-2200-mhz/tiba/kxy/pz-pd-2017.pdf .
	D	N	Deviations from the specifications in the Frequency Plan ("FrequP") could be permitted for a limited time in accordance with §50 TRG. This is provided that the frequency usages indicated in the I frequency Ordinance (I regV) and the I frequency Plan are not adversely affected (for more details see: https://www.bundesnetzagentur.de/dn_1412/LU/Sachgebiete/Telekommunikation/Unternehmen_Institutionen/regulierung/SpezielleAnwendungen/Kurzzuteilungen/kurzzuteilungcn-node.html).
	LUX	Y*	
	L	N	Band not available.
	EST	I*	2075-2110 M Hz S&P/SAR. See Regulation of Ministry of Communication and Economical Affairs 21.05.2015 No.35. Otherwise governmental use.
	F	I*	Temporary licenses, eirp max = 10 dBW. Use of 10 M Hz bandwidth centered on 2055 M Hz and 2085 M Hz for ground-to-ground link and 10 M Hz bandwidth centered on 2065 MHz and 2105 MHz for air-to-ground link. Coordination required between assigning authorities (in Distance and Space) regarding the use of the other available bands in order to avoid harmful interference. ARCLIP Decision 2016-1100.
	FIN	I*	Cordless cameras, temporary use on a case-by-case basis. Standard EN 302064. Other use includes military use and space operation.
	G	Y*	Technology and application neutral but typically used for wireless cameras, typically licensed at 100 mW eirp.
	GEO	L*	
GRC	L*	Cordless Cameras, Portable/Mobile video links. 2087.5-2108.5 MHz : not available (exclusive use by security services)	
HUN	N	Band not available (governmental use). However, the band may be used for short term FMSL use if the user demand makes it necessary at certain occasions like main events. In this case the authority handles the requests on a case-by-case basis and if the frequency use can be authorised the users receive an individual license.	
HOL	L*	2070-2110 MHz for ENG-OB only	
Possible implementation status: Y – the whole band is available for FMSL L – Limited availability N – the band is not available for FMSL * Individual licence may be required I – restrictions apply (e.g. geographical restrictions)			

EU DECLARATION OF CONFORMITY

Number: 10046C000

Name and address of the Manufacturer

Silvus Technologies, Inc.,
10990 Wilshire Blvd., Suite #1500
Los Angeles, CA 90024 U.S.A

This declaration of conformity is issued under the sole responsibility of the manufacturer.

Object of the declaration

Product information

StreamCaster:
SC4240EP-235467-BB, SC4240EP-235467-EB, SC4480E-235467-SBST

Additional information

SW version : v4.0.2.7 (all models)
HW version : B1: SC4480E-235467-SBST
B7: SC4240EP-235467-BB
C7: SC4240EP-235467-EB

The object of the declaration described above is in conformity with the relevant Union harmonisation legislation:

- References to the relevant harmonised standards used or references to the technical specifications in relation to which conformity is declared

Radio Equipment Directive 2014/53/EU

EN 301 489-1 V2.1.1
EN 301 489-28 V1.1.1
EN 302 084 V2.1.1
EN 62368-1
EN 62311:2008

RoHS Directive 2011/65/EU

EN 50581:2012

The notified body

Name: TÜV SÜD America
Number: 1929

performed

- a conformity assessment of the technical construction file

and issued the certificate

NB06 002138 0005 Rev. 00

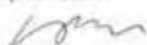
Additional information

N/A

Signed for and on behalf of:

Silvus Technologies Inc

Authorised Representative:



Name and Surname / Function:

Weijun Zhu, Vice President of Engineering

Date of Issue:

March 2, 2023

8.4 (-235 Models)

The following Silvus Technologies models are declared to conform to CE Mark requirements:

Silvus P/N:

- **SC4240-235-BB, SC4240-235-EB**
- **SC4240EP-235-BB, SC4240EP-235-EB**
- **SC4480-235-SBST, SC4480E-235-SBST**
- **SC4240E-235-BB, SC4240E-235-EB**

Relevant standards:

- ETSI EN 302 064 V2.1.1 (2016-09), Wireless Video Links, Harmonized Standard
- ETSI EN 301 489-1 V2.2.0 (2017-03), EMC, Common Technical Requirements
- ETSI EN 301 489-28 V1.1.1 (2004-09), EMC, Specific conditions for wireless digital video links
- EN 62311, MPE (Maximum Permissible Exposures)
- EN 62368-1, Product Safety Standard
- EN 50581, RoHS (Restriction of Hazardous Substances)

Frequency range: S band (2200MHz to 2500MHz)

Maximum RF power: In compliance with EN302-064, the output power per channel must not exceed:

- For Tx BW=10MHz, 33dBm/2W per channel
- For Tx BW=20MHz, 27dBm/0.5W per channel

Antenna: 1.5dBi Omni Antennas (AOV2S192G-TM)

Cable: Silvus cable assembly (SC-PRICBL-A-6H)

Safe Working Distance:

Maintain minimum safe working distance between radios & users by models below:

- SC42xx-235, >0.4m
- SC44xx-235, >0.6m

For more details, refer to Nemko SC4240-235-EB & SC4480-235-SBST EN62311 MPE Reports “Radio Frequency Exposure Verification of the Silvus Technologies Inc. StreamCaster SC4240-235 and SC4480-235 Tactical MIMO Radios. The CE Mark Technical File is available upon request for inspection.

To satisfy RF exposure requirements, this device and its antennas must operate with the minimum separation distances listed above from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter, except in accordance with RED RF Exposure requirements.

This equipment has been constructed so that the product complies with the requirement of with Article 10(2) as it can be operated in at least one Member State as examined and the product is compliant with Article 10(10) as it has no restrictions on putting into service in all EU member states.

See restrictions mentioned in ERC Recommendation 25-10, Table 7-C2, for guidance of restrictions applicable to specific countries.

Table 7-C2: additional information regarding the national conditions for the identified tuning ranges for video PMSE applications - Band C2

Frequency Band	Country	Implementation	Conditions/remarks
C2 2026-2110 MHz	ALT	I*	Max. 10 MHz Channels, max. 20dBSm eirp, 2070-2080 MHz. Restricted to Broadcasters only 2080-2110 MHz. Restricted to fire brigades and private users.
	AUT	Y*	On a secondary basis
	BEL	I	FNS old MW link systems for PMSE. Military use in 2025-2110 MHz
	BUL	Y	ERC Report 210. Available for Cordless Cameras, Portable video links and Mobile video links
	CZE	Y*	The band may be used in the coordination with the Ministry of Defence of the Czech Republic. https://www.ctu.cz/sites/default/files/obsah/actual/roup-p_06_00-2014-07_on.pdf , now version is available only in czech https://www.ctu.cz/sites/default/files/obsah/actual/vyzva-k-uplatneni-prpominek-k-uvazeni-ve-vetsej-slozke-povodni-castic-plani-ovuziti-radioveho-spektra-c-pv-pifnc-2017-yy-pro-kamery-ve-vasim-1900-2700-mhz/obsah/ky-pv-pf-2017.pdf
	DN	N	Deviations from the specifications in the Frequency Plan (FreqP) could be permitted for a limited time in accordance with §50 TRG. This is provided that the frequency usages indicated in the Frequency Ordinance (FreqV) and the Frequency Plan are not adversely affected (for more details see: https://www.bundesnetzagentur.de/in_14120/LStachgebiete/Telekommunikation/Unternehmen_Institutionen/Regulierung/SpezielleAnwendungen/Kurzzwecknutzung/kurzzwecknutzung-en-mode.html)
	UNK	Y*	
	L	N	Band not available
	EST	I*	2075-25-2110 MHz SAR/SAR. See Regulation of Ministry of Communication and Economical Affairs 21.05.2013 No.35. Otherwise governmental use.
	F	I*	Temporary licenses, eirp max = 10 dBW. Use of 10 MHz bandwidth centered on 2085 MHz and 2085 MHz for ground-to-ground link and 10 MHz bandwidth centered on 2085 MHz and 2105 MHz for air-to-ground link. Coordination required between assigning authorities (la Défense and Space) regarding the use of the other available bands in order to avoid harmful interference. ARCLIP Decision 2016 1199
	FIN	I*	Cordless cameras, temporary use on a case-by-case basis. Standard EN 302064. Other use includes military use and space operation.
	GI	Y*	Technology and application neutral but typically used for wireless cameras, typically licensed at 100 mW eirp
	GEO	L*	
	GRC	L*	Cordless Cameras, Portable/Mobile video links, 2087.5- 2108.5 MHz : not available (exclusive use by security services)
	HUNG	N	Band not available (governmental use). However, the band may be used for short term FM/SL use if the user demand makes it necessary at certain occasions like main events. In this case the authority handles the requests on a case-by-case basis and if the frequency use can be authorised the users receive an individual license.
	HOL	L*	2070-2110 MHz for ENG-OB only

Possible implementation status: Y = the whole band is available for FM/SL L = Limited availability N = the band is not available for FM/SL * Individual licence may be required I = restrictions apply (e.g. geographical restrictions)



Notified Body 0470 – Radio Equipment Directive 2014/53/EU

EU-Type Examination Certificate

0470-RED-253121

In compliance with Radio Equipment Directive 2014/53/EU of the European Parliament and of the Council of 16 April 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of radio equipment, this certificate applies to the product(s)

Product(s): STREAMCASTER MIMO radios
Model(s): SC4240-235, SC4480-235
Variants: See Annex

Placed on the market under the name or trademark of

Silvus Technologies, Inc
10990 Wilshire Blvd #1500,
Los Angeles, CA 90024, USA

This certificate attests that we, as EU Notified Body number 0470, have examined the technical documentation and supporting evidence for the above-listed equipment and found it to comply with the requirements of Annex III Module B of Radio Equipment Directive 2014/53/EU in relation to the following essential requirements covered by the examination:

Article 3.2 in respect to the use of the Radio Spectrum

This is based on an examination of the following Technical Documentation file. Please refer to the Annex for further technical details.

Technical Documentation File: CER221338

Certificate Version: 1.0

Authorized Signatory

Jin Xu, Senior Technical Assessor

Date Issued 5 / 8 / 2025

Day / Month / Year

This certificate has been issued by Nemko Group AS, Philip Pedersens vei 11, NO-1366 Lysaker, Norway

This certificate remains valid, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Nemko. Should the specified regulations or standards be amended, the products are to be re-approved prior to being placed on the market. Nemko is designated by the Norwegian Notified Authority as a Notified Body under the terms of the Norwegian regulations. This certificate is issued within the scope of the "Provisions for certification - Electrical products - Radio Equipment Directive 2014/53/EU" (Nemko C355), which is available on request.

Any person not a party to the contract pursuant to which this document is delivered may not assert a claim against Nemko for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel in the establishment or issuance of this document, and in connection with any activities for which it may provide.



Annex to EU-Type Examination Certificate

PRODUCT DESCRIPTION

Equipment description: High-throughput wireless MIMO OFDM transceiver

Model / type: SC4240-235, SC4480-235

Variant Model(s): Same product as standard radio type with enhanced features:
 SC4240-235-EB
 SC4240-235-BB
 SC4240E-235-EB
 SC4240EP-235-EB
 SC4240E-235-BB
 SC4240EP-235-BB
 SC4480-235-SBST
 SC4480E-235-SBST

Brand / trade name: Silvus Technologies

Supply voltage: SC4240-235 9-20 Vdc, 24 W (6.8 Ah Battery)
 SC4480-235 9-20 Vdc, 43 W (6.8 Ah Battery)

Antenna type: External antenna

TECHNICAL CHARACTERISTICS

Radio Type	Frequency Range	EIRP Power	Modulation
MIMO Coded-OFDM Model: SC4240-235	2200 – 2300 MHz 2300 – 2400 MHz 2400 – 2500 MHz	4 W	OFDM
MIMO Coded-OFDM Model: SC4480-235	2200 – 2300 MHz 2300 – 2400 MHz 2400 – 2500 MHz	8 W	OFDM

TYPE EXAMINATION DOCUMENTATION

Article(s)	Assessed Standards	Test Report	Issued by
3.2	EN 302 064 V2.1.1	346287-1TRFWL	Nemko USA, Inc.

ADDITIONAL DOCUMENTATION

- RED technical file by Silvus Technologies Inc dated: 2018-05-31
- Silvus Technologies Model Difference Letter dated: 2020-03-30

ADDITIONAL INFORMATION

None.

CERTIFICATE REVISION

Revision #	Date	Description
1.0	08/05/2025	Initial Issue

EU DECLARATION OF CONFORMITY

Number: 10083C000

Name and address of the Manufacturer

Silvus Technologies, Inc.,
10990 Wilshire Blvd., Suite #1500
Los Angeles, CA 90024 U.S.A

This declaration of conformity is issued under the sole responsibility of the manufacturer.

Object of the declaration

Product information StreamCaster:
SC4240-235-BB, SC4240-235-EB,
SC4240E-235-BB, SC4240E-235-EB
SC4240EP-235-BB, SC4240EP-235-EB
SC4480-235-SBST, SC4480E-235-SBST

Additional information SC4240-235: 4W, 9-20V dc, 24W (6.8 Ah Battery)
SC4480-235 8W, 9-20V dc, 43W (6.8 Ah Battery)

The object of the declaration described above is in conformity with the relevant Union harmonisation legislation:

- References to the relevant harmonised standards used or references to the technical specifications in relation to which conformity is declared

Radio Equipment Directive 2014/53/EU	RoHS Directive 2011/65/EU
EN 301 489-1 V2.2.3 EN 301 489-28 V2.1.1 EN 302 064 V2.1.1 IEC 62368-1 EN 62311:2008	EN 50581:2012

The notified body Name: Nemko
Number: 0470

performed a conformity assessment of the technical construction file

and issued the certificate 047-RED-253121

Additional information

N/A

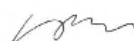
Signed for and on behalf of: Silvus Technologies Inc.

Authorised Representative:

Name and Surname / Function:

WeiJun Zhu, Vice President of Engineering

Date of issue: 8/29/2025



8.5 (SL/LC52xx-139235-O OEM Models)

The following Silvus Technologies radio models are declared to conform to CE Mark requirements:

Silvus P/N:

- ❖ SL5220-139235-O, SL5210-139235-O
- ❖ LC5220-139235-O, LC5210-139235-O, LC52.50-139235-O
- ❖ SL5220-139-O, SL5210-139-O
- ❖ LC5220-139-O, LC5210-139-O, LC52.50-139-O
- ❖ SL5220-235-O, SL5210-235-O
- ❖ LC5220-235-O, LC5210-235-O, LC52.50-235-O

Relevant standards:

- EN302 064 V2.1.1 (2016-09), Wireless Video Links, Harmonized Standard
- EN301 489-1 V2.2.0 (2017-03), EMC, Common Technical Requirements
- EN301 489-28 V1.1.1 (2004-09), EMC, Specific conditions for wireless digital video links
- EN62368-1, Product Safety Standard
- EN63000: 2018, RoHS

Frequency range:

- L band (1360MHz to 1430MHz)
- S band (2210MHz to 2490MHz)

Maximum RF power:

In compliance with EN302-064, for Tx BW=10MHz, the output power must not exceed the following levels:

- Low-band: L band, 1.36—1.43GHz, P_{max} <25dBm/antenna
- High-band: S band, 2.21—2.49GHz, P_{max} <27dBm/antenna

Antenna:

1.5dBi Omni Antennas (Silvus PN: AOV2S192G-TM; vendor PN: 1001-228) or equivalent

Safe Working Distance:

Maintain minimum safe working distance between radios & users by models below:

- L band (1390MHz) >20.2cm
- S band (2350MHz) >20.2cm

For more details, refer to TUV report no. 721014643B, "Radio Frequency Exposure Verification of the Silvus Technologies Inc. StreamCaster SL5220-139235-O Series Tactical MIMO Radios. The CE Mark Technical File is available upon request for inspection.

To satisfy RF exposure requirements, this device and its antennas must operate with the separation distances listed above from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter, except in accordance with RED RF Exposure requirements.

See restrictions mentioned in ERC Recommendation 25-10, Table 7-C2, for guidance of restrictions applicable to specific countries.

Table 7-C2: additional information regarding the national conditions for the identified tuning ranges for video PMSE applications - Band C2

Frequency Band	Country	Implementation	Conditions/remarks
C2 2026-2110 MHz	AUT	I*	Max. 10 MHz Channels, max. 20dBW eirp, 2070-2090 MHz. Restricted to Broadcasters only 2090-2110 MHz. Restricted to fire brigades and private users
	AZE	Y*	On a secondary basis
	BEL	I	PMSE and MW link systems for PMSE. Military use in 2025-2110 MHz
	BUL	Y	EOC Report 210. Available for Cordless Cameras, Portable video links and Mobile video links
	CZE	Y*	The band may be used in the coordination with the Ministry of Defence of the Czech Republic. https://www.ctu.cz/sites/default/files/obsahove-struktura-up-06-09-2014-07_en.pdf , now version is available only in Czech https://www.ctu.cz/sites/default/files/obsahove-struktura-up-06-09-2014-07_cz.pdf
	D	N	Decisions from the specifications in the Frequency Plan (Frequenzplan) could be permitted for a limited time in accordance with §50 TRG. This is provided that the frequency usages indicated in the Frequency Ordinance (Frequenzverordnung) and the Frequency Plan are not adversely affected (for more details see: https://www.bundesnetzagentur.de/SharedDocs/Pressemitteilungen/EN/2017/07/20170720_Kurzzuteilung_Kurzzuteilung_en_node.html)
	UNK	Y*	
	L	N	Band not available
	EST	I*	2025-252110 MHz: SAP/SAB. See Regulation of Ministry of Communication and Information Affairs 21.05.2015 No.35. Otherwise governmental use
	F	I*	Temporary licenses, eirp max = 10 dBW. Use of 10 MHz bandwidth centered on 2055 MHz and 2085 MHz for ground-to-ground link and 10 MHz bandwidth centered on 2095 MHz and 2105 MHz for air-to-ground link. Coordination required between occupying authorities (for Distance and Span) regarding the use of the other available bands in order to avoid harmful interference. ANSLP Decision 2016-1130
	FIN	I*	Cordless cameras, temporary use on a case-by-case basis. Standard EN 302004. Other use includes military use and space operation
	G	Y*	Technology and application neutral but typically used for wireless cameras, typically licensed at 100 mW eirp
	GEO	L*	
	GRC	L*	Cordless Cameras, Portable/Mobile video links; 2087.5-2108.5 MHz : not available (exclusive use by security services)
	HKG	N	Band not available (governmental use). However, the band may be used for short term PMSE use if the user demand makes it necessary at certain occasions like main events. In this case the authority handles the requests on a case-by-case basis and if the frequency use can be authorised the users receive an individual license
	HOL	L*	2070-2110 MHz for EN3-06 only

Implementation status: Y = the whole band is available for PMSE, L = Limited availability, N = the band is not available for PMSE, * Individual licence may be required, I = restrictions apply (e.g. geographical restrictions)



Notified Body 1622 – Radio Equipment Directive 2014/53/EU

EU-Type Examination Certificate

1622 - RED - 251121

In compliance with Radio Equipment Directive 2014/53/EU of the European Parliament and of the Council of 16 April 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of radio equipment, this certificate applies to the product(s)

Product(s): High-throughput wireless MIMO OFDM transceiver for digital data and digitized video

Model(s): SL/LC52xx-139235-O radio series
(See Annex for Variant model names)

Placed on the market under the name or trademark of

Silvus Technologies

10990 Wilshire Blvd, Los Angeles, CA 90024, USA

This certificate attests that we, as EU Notified Body number 1622, have examined the technical documentation and supporting evidence for the above-listed equipment and found it to comply with the requirements of Annex III Module B of Radio Equipment Directive 2014/53/EU in relation to the following essential requirements covered by the examination:

Article 3.1 (a) in respect of Health and Safety
Article 3.1 (b) in respect to Electromagnetic Compatibility
Article 3.2 in respect to the use of the Radio Spectrum

This is based on an examination of the following Technical Documentation file. Please refer to the Annex for further technical details.

Technical Documentation File: CER228778

Certificate Version: 1.0

Authorized Signatory

Frein Mon

Kevin Ma, Senior Technical Assessor

Date Issued

19 / 12 / 2025

Day / Month / Year

This certificate has been issued by Nemko North America, Inc. 303 River Road, Ottawa, Ontario, K1V 1H2, Canada

This certificate remains valid, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Nemko. Should the specified regulations or standards be amended, the products are to be re-approved prior to being placed on the market. Nemko North America, Inc. is an SCC-accredited organisation.

Any person not a party to the contract pursuant to which this document is delivered may not assert a claim against Nemko for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel in the establishment or issuance of this document, and in connection with any activities for which it may provide.



Notified Body 1622 – Radio Equipment Directive 2014/53/EU



EU-Type Examination Certificate

1622 - RED - 251121

In compliance with Radio Equipment Directive 2014/53/EU of the European Parliament and of the Council of 16 April 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of radio equipment, this certificate applies to the product(s)

**Product(s): High-throughput wireless MIMO OFDM transceiver
for digital data and digitized video**

Model(s): SL/LC52xx-139235-O radio series
(See Annex for Variant model names)

Placed on the market under the name or trademark of

Silvus Technologies
10990 Wilshire Blvd, Los Angeles, CA 90024, USA

This certificate attests that we, as EU Notified Body number 1622, have examined the technical documentation and supporting evidence for the above-listed equipment and found it to comply with the requirements of Annex III Module B of Radio Equipment Directive 2014/53/EU in relation to the following essential requirements covered by the examination:

Article 3.1 (a) in respect of Health and Safety
Article 3.1 (b) in respect of Electromagnetic Compatibility
Article 3.2 in respect to the use of the Radio Spectrum

This is based on an examination of the following Technical Documentation file. Please refer to the Annex for further technical details.

Technical Documentation File: CER228778

Certificate Version: 1.0

Authorized Signatory

Kevin Ma, Senior Technical Assessor

Date Issued

19 / 12 / 2025

Day / Month / Year

This certificate has been issued by Nemko North America, Inc. 303 River Road, Ottawa, Ontario, K1V 1H2, Canada

This certificate remains valid, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Nemko. Should the specified regulations or standards be amended, the products are to be re-approved prior to being placed on the market. Nemko North America, Inc. is an SCC-accredited organisation.

Any person not a party to the contract pursuant to which this document is delivered may not assert a claim against Nemko for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel in the establishment or issuance of this document, and in connection with any activities for which it may provide.

EU DECLARATION OF CONFORMITY

Number: **10086C000**

Name and address of the Manufacturer

Silvus Technologies, Inc.,
10990 Wilshire Blvd., Suite #1600
Los Angeles, CA 90024 U.S.A

This declaration of conformity is issued under the sole responsibility of the manufacturer.

Object of the declaration

Product information

StreamCaster:
SL5220-139235-O, SL5210-139235-O
LC5220-139235-O, LC5210-139235-O, LC52.50-139235-O
SL5220-139-O, SL5210-139-O
LC5220-139-O, LC5210-139-O, LC52.50-139-O
SL5220-235-O, SL5210-235-O
LC5220-235-O, LC5210-235-O, LC52.50-235-O

Additional information

The object of the declaration described above is in conformity with the relevant Union harmonisation legislation:

- References to the relevant harmonised standards used or references to the technical specifications in relation to which conformity is declared

Radio Equipment Directive 2014/53/EU

EN 301 489-1 V2.2.3
EN 301 489-28 V2.1.1
EN 302 064 V2.1.1
IEC 62368-1
IEC 62311

RoHS Directive 2011/65/EU

IEC 63000

The notified body

Name: *Nemko North America, Inc*
Number: 1622

performed

- a conformity assessment of the technical construction file

and issued the certificate

1622-RED-251121

Additional information

N/A

Signed for and on behalf of: Silvus Technologies Inc.

Authorised Representative:

weijun zhu

Name and Surname / Function:

Weijun Zhu, Vice President of Engineering

Date of issue: 12-19-2025

9. ISED Canada Notice

9.1 IC: 24980-SC42E245

Silvus model #: SC4210E-245-EB. Note that the SC4210E is a subset of the generic SC4200E, the "1" in the model # indicates it is a 1-watt maximum output power product or if lower the limits found by the ISED testing.

Equipment Class: Digital Transmission System

The following parameters must be used to be compliant to the appropriate ISED requirements:

Antennas: 2.1dBi Omni Antennas (Silvus AOV2D230515) & 4dBi Omni Antennas (Silvus AOV4S235)

Bandwidth: 10MHz

Maximum 10MHz Bandwidth Output Power @ Frequency #1: 789.84mW @ 2430MHz

Maximum 10MHz Bandwidth Output Power @ Frequency #2: 790.06mW @ 2440MHz

Bandwidth: 20MHz

Maximum 20MHz Bandwidth Output Power @ Frequency #1: 123.82mW @ 2440MHz

Modulation and Coding Schemes tested: MCS0 to MCS15

9.2 Software License

A Software License is used to ensure only parameters and limits that are allowed by the ISED certificate shown in section 15.1 can be selected. These parameters include Frequency, Output Power, Modulation and Bandwidth.

9.3 Firmware Encryption

The details of our Firmware Encryption are considered proprietary and are discussed in depth in the submitted document SC4210E-245 Circuit Description v1.2 section 1.5. Also described is the method to ensure only Silvus released firmware and Software License can be loaded on the product. This will ensure only the parameters and limits that are allowed by the Industry Canada certificate shown in section 15.1 can be selected.

9.4 IC Statement: English

This radio transmitter SC24980-SC4210E245 has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

1. Omnidirectional antenna, Silvus P/N A0VD230515, maximum antenna gain 2.1 dBi, 50 ohm
2. Omnidirectional antenna, Silvus P/N A0V4S235, maximum antenna gain 4dBi, 50 ohm

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

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

9.5 IC Statement: French

Le présent émetteur radio [identifier le dispositif par son numéro de certification d'ISED] a été approuvé par Innovation, Sciences et Développement économique Canada pour fonctionner avec les types d'antenna énumérés ci-dessous et ayant un gain admissible maximal. Les types d'antenne non inclus dans cette liste, et dont le gain est supérieur au gain maximal indiqué, pour tout type figurant sur la liste, sont strictement interdits pour l'exploitation de l'émetteur.

1. Omnidirectionnel d'onde, Silvus P/N A0VD230515, le gain max 2.1 dBi, 50 ohm
2. Omnidirectionnel d'onde, Silvus P/N A0V4S235, le gain max 4 dBi, 50 ohm

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR Innovation, Sciences et Développement économique 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;*
- (2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.*

9.6 Radiation Exposure Statement: English

Radiation Exposure Statement:

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 32 cm between the radiator and your body.

9.7 Radiation Exposure Statement: French

Déclaration d'exposition aux radiations

Cet équipement est conforme aux limites d'exposition aux rayonnements ISED établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 32 cm de distance entre la source de rayonnement et votre corps.

10. MIC Japan Notice

10.1 ID: 211-210701

Silvus model #: SC4210P-245-O. Note that the SC4210P is a subset of the generic SC4200P, the "1" in the model # indicates it is a 1-watt maximum output power product or if lower the limits found by the MIC testing.

Equipment Class: 2.4GHz Band for Unmanned Mobile Image Transfer System

The following parameters must be used to be compliant to the appropriate MIC requirements:

Antennas:

3dBi Omni Antennas (Silvus ABV3S235)

2.15dBi Omni Antennas (C-Astral OMNI2G4)

3dBi Omni Antennas (Silvus AO2D3S235F-SF)

3dBi Omni Antennas (Silvus AOM3S240F-SF)

1dBi Omni Antennas (Silvus AOV2D235515S-TM)

Bandwidth: 4.5MHz

Maximum 4.5MHz Bandwidth Output Power @ Frequency #1: 910mW @ 2486MHz Maximum

4.5MHz Bandwidth Output Power @ Frequency #2: 870mW @ 2491MHz

Bandwidth: 9MHz

Maximum 9MHz Bandwidth Output Power @ Frequency #1: 880mW @ 2489MHz

Modulation and Coding Schemes tested: MCS0 to MCS15

10.2 ID: 011-210045

Silvus model #: SC4210P-576-O. Note that the SC4210P is a subset of the generic SC4200P, the "1" in the model # indicates it is a 1-watt maximum output power product or if lower the limits found by the MIC testing.

Equipment Class: 5.7GHz Band for Unmanned Mobile Image Transmission System

The following parameters must be used to be compliant to the appropriate MIC requirements:

Antennas:

2.3dBi Omni Antennas (Silvus AOV2D235515S-TM, also Southwest Antenna 1001-253)

2.15dBi Omni Antennas (Silvus AOV2S520G-TM, also Southwest Antenna 1001-128)

2.15dBi Omni Antennas (C-Astral OMNI5G7) 3dBi Omni Antennas (Silvus AO2D3S)

3dBi Omni Antennas (Silvus AOV3T245515575-TM, also L-Com HG2458RD-TM)

Bandwidth: 4.5MHz

Maximum 4.5MHz Bandwidth Output Power @ Frequency Low: 29.78dBm @ 5625.5MHz

Maximum 4.5MHz Bandwidth Output Power @ Frequency Mid: 29.8dBm @ 5702.5MHz

Maximum 4.5MHz Bandwidth Output Power @ Frequency High: 29.76dBm @ 5752.5MHz

Bandwidth: 9MHz

Maximum 9MHz Bandwidth Output Power @ Frequency Low: 29.72dBm @ 5655MHz Maximum

9MHz Bandwidth Output Power @ Frequency Mid: 29.82dBm @ 5695MHz Maximum 9MHz

Bandwidth Output Power @ Frequency Low: 29.82dBm @ 5750MHz

Bandwidth: 19.7MHz

Maximum 19.7MHz Bandwidth Output Power @ Frequency Low: 29.6dBm @ 5660MHz

Maximum 19.7MHz Bandwidth Output Power @ Frequency Mid: 29.74dBm @ 5700MHz

Maximum 19.7MHz Bandwidth Output Power @ Frequency High: 29.66dBm @ 5745MHz

Modulation and Coding Schemes tested: MCS0 to MCS15

10.3 Software License

A Software License is used to ensure only parameters and limits that are allowed by the MIC certificates shown in sections 16.1 & 16.2 can be selected. These parameters include Frequency, Output Power, Modulation and Bandwidth.

10.4 Firmware Encryption

The details of our Firmware Encryption are considered proprietary and are discussed in depth in the submitted document SC4210P-576-O Circuit Description v1.3 section 1.5. Also described is the method to ensure only Silvus released firmware and Software License can be loaded on the product. This will ensure only the parameters and limits that are allowed by the MIC certificate shown in section 16.1 & 16.2 can be selected.

11. UKCA Markings

Common notes:

In compliance to product labelling requirements, the following information are provided:

MFG postal address:

Silvus Technologies, Inc.

10990 Wilshire Blvd, Los Angeles, CA 90024

(310) 479-3333

EU postal address:

Motorola Solutions Inc

Czerwone Maki 82, 30-392 Krakow, Poland

11.1 (-139 Models)



The following Silvus Technologies models are declared to conform to UKCA Mark requirements:

Silvus P/N: SC4240EP-139-BB, SC4240EP-139-EB, SC4480E-139-SBST

Relevant standards:

- EN 302 064 V2.1.1, Wireless Video Links, Harmonized Standard
- EN 301 489-1 V2.2.0, EMC, Common Technical Requirements
- EN 301 489-28 V1.1.1, EMC, Specific conditions for wireless digital video links
- EN 62368-1, Product Safety Standard

Frequency range: 1350-1440 MHz

Maximum RF power: In compliance with EN302-064, for Tx BW=20MHz, the output power must not exceed 30dBm/1W per channel.

Antenna: 1.5dBi Omni Antennas (AOV2S192G-TM)

Cable: Silvus cable assembly (SC-PRICBL-A-6H)

Safe Working Distance:

Maintain minimum safe working distance between radios & users by models below:

- SC42xx-139, >38cm
- SC44xx-139, >76cm

For more details, refer to TUV report no. 7217985B, "Radio Frequency Exposure Verification of the Silvus Technologies Inc. StreamCaster SC4240EP-139 and SC4480E-139 Tactical MIMO Radios. The CE Mark Technical File is available upon request for inspection.

To satisfy RF exposure requirements, this device and its antennas must operate with the separation distances listed above from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter, except in accordance with RED RF Exposure requirements.

See restrictions mentioned in ERC Recommendation 25-10, Table 7-C2, for guidance of restrictions applicable to specific countries.

Table 7-C2: additional information regarding the national conditions for the identified tuning ranges for video PMSE applications - Band C2

Frequency Band	Country	Implementation	Conditions/remarks
C2 2026-2110 MHz	ALT	F*	Max. 18MHz Channels, max. 20dBW eirp, 2070-2096 MHz - Restricted to Broadcasters only 2080-2110 MHz - Restricted to five categories and private users
	AZE	Y*	On a secondary basis
	BEL	L	FNS old MW link systems for PMSF - Military use in 2026-2110 MHz
	BUL	Y	ECC Report 210 - Available for Cordless Cameras, Portable video links and Mobile video links
	CZE	Y*	The band may be used in the coordination with the Ministry of Defence of the Czech Republic: https://www.czu.cz/cislo/strana/default.aspx?cislo=radio-slu-zba-p-06-09-2014-07 . On .pdf, new version is available only in czech https://www.czu.cz/cislo/strana/default.aspx?cislo=sach-oblasti-nova-kapitola-v-opravnosti-a-dostupu-eprfm-liscencovani-prijemni-strojicek-na-uziti-pro-militsku-praktiku-2017-ss-pro-kamery-dve-gasmi-1300-2200-mhz/stah-atky/typ-pd-2017.pdf
	D	N	Deviations from the specifications in the Frequency Plan (FrepP) could be permitted for a limited time in accordance with §56 TRG. This is provided that the frequency usages indicated in the I frequency Ordinance (I reqv) and the I frequency Plan are not adversely affected (for more details see: https://www.bundesnetzagentur.de/dn_14120/L/Sachgebiete/Telekommunikation/Unternehmen_Institutionen/lizenzierung/SpezielleAnwendungen/Kurzfrequenzen/kurzfreq-tzue-lund-on-node.html)
	UNK	Y*	
	L	N	Band not available
	EST	L*	2025-25-2110 MHz SAP(SAN). See Regulation of Ministry of Communication and Economical Affairs 2105-2015 No.35. Otherwise governmental use.
	F	F*	Temporary licenses, e.i.p., max. = 10 dBW. Use of 10 MHz bandwidth centered on 2055 MHz and 2085 MHz for ground-to-ground link and 10 MHz bandwidth centered on 2065 MHz and 2105 MHz for air-to-ground link. Coordination required between assigning authorities (la Defense and Space) regarding the use of the other available bands in order to avoid harmful interference. ARCLT Decision 2016-1130
	FIN	F*	Cordless cameras, temporary use on a case-by-case basis. Standard EN 302064. Other use includes military use and space operation
	G	Y*	Technology and application neutral but typically used for wireless cameras, typically licensed at 100 mW e.i.p.
	GEO	L*	
GRC	L*	Cordless Cameras, Portable/Mobile video links, 2087.5-2108.5 MHz : not available (exclusive use by security services)	
HKG	N	Band not available (governmental use). However, the band may be used for short term FMSL use if the user demand makes it necessary at certain occasions like main events. In this case the authority handles the requests on a case-by-case basis and if the frequency use can be authorised the users receive an individual license	
HOL	L*	2070-2110 MHz for ENG-OB only	
Possible implementation status: Y = the whole band is available for FMSL L = Limited availability N = the band is not available for FMSL * Individual licence may be required L = restrictions apply (e.g. geographical restrictions)			

Annex A UK DECLARATION OF CONFORMITY

NOTE – THIS IS NOT A TEMPLATE. It is the responsibility of the manufacturer and / or the authorised representative to produce the Declaration of Conformity with suitable content. This is purely for consideration of what should be included and should not be used as a template. Other UK regulations if applicable may be additionally required on the Declaration of Conformity or Declaration of Conformity dossier.

We, **Silvus Technologies Inc.**

(Manufacturer's name)

Of

10990 Wilshire Blvd, Los Angeles, CA 90024

(Address)

Declare under our sole responsibility that the product:

StreamCaster:

SC4240EP-139-BB, SC4240EP-139-EB, SC4480E-139-SBST

(Detailed description of product including batch or serial number, name, type, model, and, where necessary, a colour image, where applicable a description of accessories and components, and software, which allow the radio equipment to operate as intended and covered by the declaration of conformity)

to which this declaration relates, is in conformity with the following designated standards and/or technical specifications

(References to standards/specifications must be listed with their identification number and version end, where applicable, date of issue)

Regulation 6(1)(a) [Health & Safety]: **EN 62368-1:2014, EN 62311:2008**

Regulation 6(1)(b) [EMC]: **EN 301 489-1 V2.2.0, EN 301 489 -28 V1.1.1**

Regulation 6(2) [Spectrum Usage]: **EN 302 064 V2.1.1**

Regulation 6A [Additional essential requirements]:

We hereby declare that the above-named product is in conformity to the requirements of the Radio Equipment Regulations 2017 with the involvement of the following UK Market Conformity Assessment Body under Schedule 3 Module B of the Regulation. (Where the Certification Body Type Examination Certificate / involvement is only for limited Regulations, i.e. Regulation 6(2) only this should be explicitly stated here):

TUV SUD America Inc, 401 Edgewater Place #500, Wakefield, MA, 01880, USA

Approved Body:

1929

Type Examination
Certificate No:

**UKCB2 002138
0006 Rev. 00**

The technical documentation relevant to the above equipment will be held at:
Silvus Technologies Inc. 10990 Wilshire Blvd, Los Angeles, CA 90024

(Name and address of the UK Authorised Representative, if applicable and formally appointed by the manufacturer)

11/17/2023

(Signature of authorised person)

Grant Denoon

(Date)

San Diego, CA, USA

(Name of authorised person)

Director of RF Engineering

(Place of issue; e.g. City/town, and Country)

(Job title)



UK Type Examination Certificate

Certificate No: UKCB2 002138 0006 Rev. 00

Certificate Holder: Silvus Technologies, Inc
10990 Wilshire Blvd., Suite #1500
Los Angeles CA 90024
USA

Product Type: Base station
High-throughput wireless MIMO OFDM transceiver, for digital data and digitized video

Model(s):
SC4240EP-139-BB
SC4240EP-139-EB
SC4480E-139-SBST

We, as UK Approved Body number 1929, have examined the technical documentation and supporting evidence for the above listed equipment and found it to comply with the requirements of Schedule 3 Module B of The Radio Equipment Regulations 2017 as amended, in relation to the following essential requirements covered by the examination

Essential Requirements: Regulation 6(2) in respect to the Radio Spectrum

This is based upon examination of the following Technical Data file. Please refer to the Annex for further technical details.

Technical Documentation: SC4200-139 SC4400-139 TCF

Valid from: 2023-11-10


(Evan Gould)

Total pages: info 2

The certificate has been issued in accordance with the Certification Regulations of TUV SUD America (Approved Body Number 1929) and constitutes page 1 of the combined Certificate and Annex.

The UKCA mark may be used on the equipment described above subject to the equipment meeting the compliance requirements of all applicable UK Regulations.

The conditions for the validity of this certificate are listed in the Annex.
For further details related to this certification please contact certification.us@tuvsud.com

Issued by TUV SUD America under document number: CB-23-247 i01

TÜV SÜD America, Inc. • 401 Edgewater Place Suite #500 • Wakefield • MA 01880 • USA

TUV®

11.2 (-235467 Models)



The following Silvus Technologies models are declared to conform to UKCA Mark requirements:

Silvus P/N: SC4240EP-235467-BB, SC4240EP-235467-EB, SC4480E-235467-SBST

Relevant standards:

- EN 302 064 V2.1.1, Wireless Video Links, Harmonized Standard
- EN 301 489-1 V2.2.0, EMC, Common Technical Requirements
- EN 301 489-28 V1.1.1, EMC, Specific conditions for wireless digital video links
- EN 62368-1, Product Safety Standard

Frequency range:

- S band (2200MHz to 2500MHz)
- C band (4400MHz to 4940MHz)

Maximum RF power: In compliance with EN302-064, for Tx BW=20MHz:

- For S-band, the output power must not exceed 27dBm/0.5W per channel
- For C-band, the output power must not exceed 24dBm/0.25W per channel

Antenna: 2dBi Dual Bands Omni Antennas (AOV2D230515G-TM)

Cable: Silvus cable assembly (SC-PRICBL-A-6H)

Safe Working Distance:

Maintain minimum safe working distance between radios & users by models below:

- SC42xx-235467, >34cm
- SC44xx-235467, >67cm

For more details, refer to TUV report no. 72171985D, "Radio Frequency Exposure Verification of the Silvus Technologies Inc. StreamCaster SC4240EP-235467 and SC4480E-235467 Tactical MIMO Radios. The CE Mark Technical File is available upon request for inspection.

To satisfy RF exposure requirements, this device and its antennas must operate with the minimum separation distances listed above from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter, except in accordance with RED RF Exposure requirements.

See restrictions mentioned in ERC Recommendation 25-10, Table 7-C2, for guidance of restrictions applicable to specific countries.

Table 7-C2: additional information regarding the national conditions for the identified tuning ranges for video PMSE applications - Band C2

Frequency Band	Country	Implementation	Conditions/remarks
C2 2026-2110 MHz	ALT	I*	Max. 10mW Channels, max. 20dBW eirp, 2070-2096 MHz. Restricted to Broadcasters only. 2080-2110 MHz. Restricted to five categories and private users
	AZE	Y*	On a secondary basis
	BEL	I	FMS old MW link systems for PMSF. Military use in 2026-2110 MHz
	BUL	Y	ECC Report 210. Available for Cordless Cameras, Portable video links and Mobile video links
	CZE	Y*	The band may be used in the coordination with the Ministry of Defence of the Czech Republic. https://www.czu.cz/cz/infocentrum/files/obseahodnoty-06-09-2014-07-on.pdf , new version is available only in czech https://www.czu.cz/cz/infocentrum/files/obseahodnoty-06-09-2014-07-on.pdf
	D	N	Deviations from the specifications in the Frequency Plan (FrequP) could be permitted for a limited time in accordance with §56 TRG. This is provided that the frequency usages indicated in the I frequency Ordinance (I regv) and the I frequency Plan are not adversely affected (for more details see: https://www.bundesnetzagentur.de/cdn_1412UL/Sachgebiete/Telekommunikation/Unternehmen_Institutionen/Regulierung/SpezielleAnwendungen/Kurzfrequenzbereiche/kurzfrequenzbereich-n.html)
	UNK	Y*	
	L	N	Band not available
	EST	I*	2075-25-2110 MHz SAP/SA3. See Regulation of Ministry of Communication and Economical Affairs 2105-2015 No.35. Otherwise governmental use
	F	I*	Temporary licenses, e.i.r.p. max = 10 dBW. Use of 10 MHz bandwidth centered on 2055 MHz and 2085 MHz for ground-to-ground link and 10 MHz bandwidth centered on 2085 MHz and 2105 MHz for air-to-ground link. Coordination required between assigning authorities (in Delegation and Special) regarding the use of the other available bands in order to avoid harmful interference. AIRC/LP Decision 2016 1100
	FIN	I*	Cordless cameras, temporary use on a case-by-case basis. Standard EN 302064. Other use includes military use and space operation
	G	Y*	Technology and application neutral but typically used for wireless cameras, typically licensed at 100 mW e.i.r.p.
	GE0	L*	
GRC	L*	Cordless Cameras, Portable/Mobile video links, 2087.5-2108.5 MHz : not available (exclusive use by security services)	
HKG	N	Band not available (governmental use). However, the band may be used for short term I/MSL use if the user demand makes it necessary at certain occasions like main events. In this case the authority handles the requests on a case-by-case basis and if the frequency use can be authorised the users receive an individual licence	
HOL	L*	2070-2110 MHz for ENG-OB only	
Possible implementation status: Y = the whole band is available for I/MSL L = Limited availability N = the band is not available for I/MSL * Individual licence may be required I = restrictions apply (e.g. geographical restrictions)			

Annex A UK DECLARATION OF CONFORMITY

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We, **Silvus Technologies Inc.**

(Manufacturer's name)

Of

10990 Wilshire Blvd, Los Angeles, CA 90024

(Address)

Declare under our sole responsibility that the product:

StreamCaster:

SC4240EP-235467-BB, SC4240EP-235467-EB, SC4480E-235467-SBST

(Detailed description of product including batch or serial number, name, type, model, and, where necessary, a colour image; where applicable a description of accessories and components, and software, which allow the radio equipment to operate as intended and covered by the declaration of conformity)

to which this declaration relates, is in conformity with the following designated standards and/or technical specifications

(References to standards/specifications must be listed with their identification number and version and, where applicable, date of issue)

Regulation 6(1)(a) [Health & Safety]: EN 62368-1:2014, EN 62311:2008

Regulation 6(1)(b) [EMC]: EN 301 489-1 V2.2.0, EN 301 489 -28 V1.1.1

Regulation 6(2) [Spectrum Usage]: EN 302 064 V2.1.1

Regulation 6A [Additional essential requirements]:

We hereby declare that the above-named product is in conformity to the requirements of the Radio Equipment Regulations 2017 with the involvement of the following UK Market Conformity Assessment Body under Schedule 3 Module B of the Regulation. (Where the Certification Body Type Examination Certificate / Involvement is only for limited Regulations, i.e. Regulation 6(2) only this should be explicitly stated here):

TUV SUD America Inc, 401 Edgewater Place #500, Wakefield, MA, 01880, USA

Approved Body:

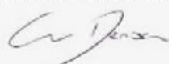
1929

Type Examination
Certificate No:

**UKCB2 002138
0007 Rev. 00**

The technical documentation relevant to the above equipment will be held at:
Silvus Technologies Inc, 10990 Wilshire Blvd, Los Angeles, CA 90024

(Name and address of the UK Authorised Representative, if applicable and formally appointed by the manufacturer)



11/17/2023

(Signature of authorised person)

Grant Denoon

(Date)

San Diego, CA, USA

(Name of authorised person)

Director of RF Engineering

(Place of issue, e.g. City/town, and Country)

(Job title)



UK Type Examination Certificate

Certificate No: UKCB2 002138 0007 Rev. 00

Certificate Holder: Silvus Technologies, Inc
10990 Wilshire Blvd., Suite #1500
Los Angeles CA 90024
USA

Product Type: Base station
High-throughput wireless MIMO OFDM transceiver, for digital data and digitized video

Model(s):
SC4240EP-235467-BB
SC4240EP-235467-EB
SC4480E-235467-SBST

We, as UK Approved Body number 1929, have examined the technical documentation and supporting evidence for the above listed equipment and found it to comply with the requirements of Schedule 3 Module B of The Radio Equipment Regulations 2017 as amended, in relation to the following essential requirements covered by the examination

Essential Requirements: Regulation 6(2) in respect to the Radio Spectrum

This is based upon examination of the following Technical Data file. Please refer to the Annex for further technical details.

Technical Documentation: SC4200-235467 SC4400-235467 TCF

Valid from: 2023-11-10


(Evan Gould)

Total pages: info 2

The certificate has been issued in accordance with the Certification Regulations of TUV SUD America (Approved Body Number 1929) and constitutes page 1 of the combined Certificate and Annex.

The UKCA mark may be used on the equipment described above subject to the equipment meeting the compliance requirements of all applicable UK Regulations.

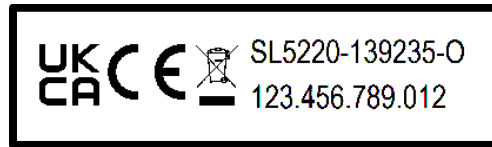
The conditions for the validity of this certificate are listed in the Annex.
For further details related to this certification please contact certification.us@tuvsud.com

Issued by TUV SUD America under document number: CB-23-248 i01

TÜV SÜD America, Inc. • 401 Edgewater Place Suite #500 • Wakefield • MA 01880 • USA

TUV®

11.3 (SL/LC52xx-139235-O OEM models)



The following Silvus Technologies radio models are declared to conform to UKCA Mark requirements:

Silvus P/N:

- ❖ SL5220-139235-O, SL5210-139235-O
- ❖ LC5220-139235-O, LC5210-139235-O, LC52.50-139235-O
- ❖ SL5220-139-O, SL5210-139-O
- ❖ LC5220-139-O, LC5210-139-O, LC52.50-139-O
- ❖ SL5220-235-O, SL5210-235-O
- ❖ LC5220-235-O, LC5210-235-O, LC52.50-235-O

Relevant standards:

- EN302 064 V2.1.1 (2016-09), Wireless Video Links, Harmonized Standard
- EN301 489-1 V2.2.0 (2017-03), EMC, Common Technical Requirements
- EN301 489-28 V1.1.1 (2004-09), EMC, Specific conditions for wireless digital video links
- EN62368-1, Product Safety Standard
- EN63000: 2018, RoHS
- EN18031-1, Cyber Security

Frequency range:

- L band (1360MHz to 1430MHz)
- S band (2210MHz to 2490MHz)

Maximum RF power:

In compliance with EN302-064, for Tx BW=10MHz, the output power must not exceed the following levels:

- Low-band: L band, 1.36—1.43GHz, Pmax <25dBm/antenna
- High-band: S band, 2.21—2.49GHz, Pmax <27dBm/antenna

Antenna:

2.4dBi Omni Antennas (Silvus PN: AOV2S192G-TM; vendor PN: 1001-228) or equivalent

Safe Working Distance:

Maintain minimum safe working distance between radios & users by models below:

- L band (1390MHz) >20.2cm
- S band (2350MHz) >20.2cm

For more details, refer to TUV report no. 721014643B, "Radio Frequency Exposure Verification of the Silvus Technologies Inc. StreamCaster SL5220-139235-O Series Tactical MIMO Radios. The UKCA Mark Technical File is available upon request for inspection.

To satisfy RF exposure requirements, this device and its antennas must operate with the separation distances listed above from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter, except in accordance with RED RF Exposure requirements.

StreamCaster MIMO Radio Basic User Manual

See restrictions mentioned in ERC Recommendation 25-10, Table 7-C2, for guidance of restrictions applicable to specific countries.

Table 7-C2: additional information regarding the national conditions for the identified tuning ranges for video PMSE applications - Band C2

Frequency Band	Country	Implementation	Conditions/remarks
C2 2026-2110 MHz	ALB	L*	Max. 10 MHz Channels, max. 20dBrW eirp, 2070-2090 MHz. Restricted to Broadcasters only. 2080-2110 MHz. Restricted to fire brigades and police users.
	AZE	Y*	On a secondary basis.
	BEL	L	FNS old MW link systems for FMSE. Military use in 2026-2110 MHz.
	BUL	Y	ECC Report 210. Available for Cordless Cameras, Portable video links and Mobile video links.
	CZE	Y*	The band may be used in the coordination with the Ministry of Defence of the Czech Republic: https://www.cdu.ruf/s/def/default/files/obsah/cdu/oboznameni-nap-p-o_06_09-2014-07_on_pdf_new_version_is_available_only_in_czech_https://www.cdu.cz/sites/default/files/obsah/cdu/vyve-a-uplatneni-onpinokn-k-svazu-ekspertni-zbirce-pravidly-coady-giauu-yuziti-na-vojensko-spektralni-c-p-pa/06x-2017-yy-pro-kamery-love-passiv-1908-2200-mhz/fabazky/yj-pa-2017.pdf
	D	N	Deviations from the specifications in the Frequency Plan ("FrequP") could be permitted for a limited time in accordance with §50 TRG. This is provided that the frequency usages indicated in the I frequency Ordinance (I regv) and the I frequency Plan are not adversely affected (for more details see: https://www.bundesnetzagentur.de/dln_14120/L/Sachgebiete/Telekommunikation/Unternehmen_Institutionen/reguen/en/SpezielleAnwendungen/Kurzzwecknetzung/kurzzwecknetzung-de.html).
	DNK	Y*	
	L	N	Band not available.
	EST	L*	2075-2110 MHz SAP/SAB. See Regulation of Ministry of Communication and Economical Affairs 21.05.2015 No.35. Otherwise governmental use.
	F	L*	Temporary licenses, e.i.p., max = 10 dBrW. Use of 10 MHz bandwidth centered on 2055 MHz and 2085 MHz for air-to-ground link. Coordination required between assigning authorities (in Denmark and Spain) regarding the use of the other available bands in order to avoid harmful interference. ARCLIP Decision 2016 1130.
	FIN	L*	Cordless cameras, temporary use on a case-by-case basis. Standard EN 302064. Other use includes military use and space operation.
	G	Y*	Technology and application neutral but typically used for wireless cameras, typically licensed at 100 mW e.i.p.
	GER	L*	
GRC	L*	Cordless Cameras, Portable/Mobile video links, 2087.5-2108.5 MHz : not available (exclusive use by security services).	
HUN	N	Band not available (governmental use). However, the band may be used for short term FMSL use if the user demand makes it necessary at certain occasions like main events. In this case the authority handles the requests on a case-by-case basis and if the frequency use can be authorised the users receive an individual license.	
HOL	L*	2070-2110 MHz for ENG-OB only.	
Possible implementation status: Y = the whole band is available for FMSL L = Limited availability N = the band is not available for FMSL * Individual licence may be required I = restrictions apply (e.g. geographical restrictions)			

EU DECLARATION OF CONFORMITY

Number: **10089C000**

Name and address of the Manufacturer

Silvus Technologies, Inc.,
10990 Wilshire Blvd., Suite #1500
Los Angeles, CA 90024 U.S.A

This declaration of conformity is issued under the sole responsibility of the manufacturer.

Object of the declaration

Product information **StreamCaster:**
SL5220-139235-O, SL5210-139235-O
LC5220-139235-O, LC5210-139235-O, LC52.50-139235-O
SL5220-139-O, SL5210-139-O
LC5220-139-O, LC5210-139-O, LC52.50-139-O
SL5220-235-O, SL5210-235-O
LC5220-235-O, LC5210-235-O, LC52.50-235-O

Additional information

The object of the declaration described above is in conformity with the relevant Union harmonisation legislation:

- References to the relevant harmonised standards used or references to the technical specifications in relation to which conformity is declared

Radio Equipment Directive 2014/53/EU

EN 301 489-1 V2.2.3
EN 301 489-28 V2.1.1
EN 302 064 V2.1.1
IEC 62368-1
IEC 62311
EN 18031-1

RoHS Directive 2011/65/EU

IEC 63000

The notified body

Name: *Nemko North America, Inc*
Number: 1622

performed

- a conformity assessment of the technical construction file

and issued the certificate **1622-RED-251121**

Additional information

N/A

Signed for and on behalf of: Company Name

Authorised Representative:

Name and Surname / Function:

Steve Avila, Director of Legal

Date of issue:

02/25/26

Steve Avila

1/1



Notified Body 1622 – Radio Equipment Regulations 2017 (S.I. 2017/1206)

UK-Type Examination Certificate

1622 - UK - 260764

In compliance with Radio Equipment Regulations 2017 (S.I. 2017/1206) of the UK Parliament relating to the making available on the market of radio equipment, this certificate applies to the product(s)

**Product(s): High-throughput wireless MIMO OFDM transceiver
for digital data and digitized video**

Model(s): SL/LC52xx-139235-O radio series
(See Annex for Variant model names)

Placed on the market under the name or trademark of

Silvus Technologies
10990 Wilshire Blvd, Los Angeles, CA 90024, USA

This certificate attests that we, as UK Approved Body 1622, have examined the technical documentation and supporting evidence for the above-listed equipment and found it to comply with the requirements of Schedule 3, Module B of Radio Equipment Regulations 2017 (S.I. 2017/1206) in relation to the following essential requirements covered by the examination:

- 6 (1)(a) in respect of Health and Safety
- 6 (1)(b) in respect to EMC
- 6 (2) in respect to the use of the Radio Spectrum

This is based on an examination of the following Technical Documentation file. Please refer to the Annex for further technical details.

Technical Documentation File: CER233938

Certificate Version: 1.0

Authorized Signatory

Kevin Ma, Senior Technical Assessor

Valid from

27 / 3 / 2026

Day / Month / Year

This certificate has been issued by Nemko North America, Inc. 303 River Road, Ottawa, Ontario, K1V 1H2, Canada

This certificate remains valid, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Nemko. Should the specified regulations or standards be amended, the products are to be re-approved prior to being placed on the market. Nemko North America, Inc. is an SCC-accredited organisation.

Any person not a party to the contract pursuant to which this document is delivered may not assert a claim against Nemko for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel in the establishment or issuance of this document, and in connection with any activities for which it may provide.



Annex to UK-Type Examination Certificate

PRODUCT DESCRIPTION

Equipment description: High-throughput wireless MIMO OFDM transceiver for digital data and digitized video

Model / type: SL/LC52xx-139235-O radio series

Variant Model(s): SL5220-139235-O, SL5210-139235-O
LC5220-139235-O, LC5210-139235-O, LC52.50-139235-O
SL5220-139-O, SL5210-139-O
LC5220-139-O, LC5210-139-O, LC52.50-139-O
SL5220-235-O, SL5210-235-O
LC5220-235-O, LC5210-235-O, LC52.50-235-O

Brand / trade name: **SILVUS**
TECHNOLOGIES

Supply voltage: 9 – 32 VDC

Hardware version: SL5200 Rev X1

Software version: v5.5.1.7.2

Antenna type: Wideband Omni Antenna

Maximum antenna gain: 2.4 dBi

TECHNICAL CHARACTERISTICS

Radio Type	Frequency Range	Transmit Power	Modulation
Extended L	1350-1440 MHz	30 dBm per chain	BPSK, QPSK, 16-QAM, 64-QAM
Extended S	2200-2500 MHz	30 dBm per chain	BPSK, QPSK, 16-QAM, 64-QAM

TYPE EXAMINATION DOCUMENTATION & ASSESSED STANDARDS

Regulation(s)	Assessed Standards	Test Report Number	Issue Date
6 (1)(a)	EN 62368-1:2014 (2nd Edition) IEC 62368-1:2014	REP092448, Issued 2025-05-09	Nemko USA, Inc.
	EN IEC 62311:2020 IEC 62311:2020	721014643B, Issued 2025-11-06	TÜV SÜD America, Inc
6 (1)(b)	EN 301 489-1 V2.2.3 EN 301 489-28 V2.1.1	R2502185 -12, Issued 2025-04-29	BACL Corp.
6 (2)	EN 302 064 V2.1.1	721014643A, Issued 2025-11-06	TÜV SÜD America, Inc

ADDITIONAL DOCUMENTATION

None.

ADDITIONAL APPROVAL INFORMATION

None.

MARKING OF PRODUCT

Radio equipment shall bear a type, batch or serial number or other element allowing its identification as well as the name, registered trade name or registered trademark of the manufacturer and the postal address at which they can be contacted. If the manufacturer is not located in the UK, the radio equipment shall also bear the name, registered trade name or registered trademark of the importer and the postal address at which they can be contacted. Where the size or nature of radio equipment does not allow the required marking, then it may be placed on its packaging, or in a document accompanying the radio equipment. The UKCA marking shall be affixed visibly, legibly, and indelibly to the radio equipment or to its data plate, unless that is not possible or not warranted on account of the nature of radio equipment. The UKCA marking shall also be affixed visibly and legibly to the packaging.

CERTIFICATE REVISION

Version	Date	Description
1.0	3/27/2026	Initial Issue