REP038389
FCC ID: 2AOFP-300120

RF Exposure Assessment

Product	**Mesh network hub**
Name and address of the applicant	**Anticimex Innovation Center A/S** **Skovgaardsvej 23E** **Helsinge 3200** **Denmark**
Name and address of the manufacturer	**Anticimex Innovation Center A/S** **Skovgaardsvej 23E** **Helsinge 3200** **Denmark**
Model	**Connect 3-300120**
Rating	**917-926 SRD transceiver** **Containing Cellular module (FCC-ID XMR202005BG95M5)**
Trademark	**Anticimex**
Additional information	**SRD band 917-926**
Evaluated according to	**FCC Part 1.1307(b)** RF Exposure Assessment **FCC KDB 447498 D04 v01** Interim General RF Exposure Guidance
Order number	**PRJ0048537**
Issue date	**2024-08-23**
Name and address of the testing laboratory	Nemko Scandinavia AS Instituttveien 6 2007 Kjeller, Norway www.nemko.com CAB Number: FCC: NO0001 ISED: NO0470 ISED No: 2040D-1 **An accredited technical test executed under the Norwegian accreditation scheme**

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Revision history

Revision	Date	Comment	Sign
A	2024-09-16	First Edition	JGER

GENERAL REMARKS

This report applies only to the sample(s) tested. It is the manufacturer's responsibility to ensure the additional production units of this product are manufactured with identical electrical and mechanical components. The manufacturer is solely responsible for any modifications to the product that could result in non-compliance with the relevant regulations.

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1 Exposure Evaluation for single and for multiple sources.

1.1 EUT Technical Information

Name	**Connect 3**
FCC ID	**2AOFP-300120**
Model/version	**Connect 3-300120**
Hardware identity and/or version	**Connect 3-300120 Rev A**
Software identity and/or version	**CC1354: 30.003; BG95-M5: BG95M5LAR02A03**
Frequency Range	**917-926 MHz**
Containing FCC-ID	**Cellular modem: XMR202005BG95M5**
Type of Power Supply	**DC input and/or batteries 5V DC**
Type of Portable Device	**Gateway**
Output Power incl. Tune-Up Tolerance	**SRD @ 926 MHz: 12.9 mW radiated power** **LTE: see values in table below taken from the FCC grant of device**
Reference to RF Test Report	**Nemko test report: REP048188**

1.2 Evaluation Summary

The EUT has been evaluated and found to be exempt from SAR Evaluation according to the Exemption Criteria in FCC §1.1307(b)(3(i)(A) and KDB 447498 D04 v01 Clause 2.1.2, since the Output Power is below the combined Threshold value calculated at a distance of 20cms is less than 1.

The manufacturer has determined that SRD **will only** be used simultaneously with LTE technology, **not** with GSM/PCS-technology.

Determination of Exemption for Single RF Sources	SRD 917	SRD 921	SRD 926	LTE B05	LTE B04	LTE B02	
Radiated Power including Tune Up Tolerance	**17.9**	**21.6**	**30.0**	**440**	**400**	**240**	**mW**
Separation Distance	**20**	**20**	**20**	**20**	**20**	**20**	**cm**
Frequency (valid for 100 MHz to 6 GHz)	**0.917**	**0.921**	**0.926**	**0.835**	**1.750**	**1.880**	**GHz**
Exclusion Threshold for Device @ freq. and 20 cm	**1871**	**1879**	**1889**	**1703**	**3060**	**3060**	**mW**
Ratio Radiated power to Threshold	0.01	0.01	**0.02**	0.12	**0.07**	0.07	**0.133**
CONCLUSION		**EXEMPTED**			**EXEMPTED**		

Combining the highest ratio from SRD and LTE – i.e. 0.02 and 0.07 gives total ratio of 0.133 – which below the limit 1.0