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RF Exposure Evaluation Report

Application No.:	KSCR2312002294AT
Applicant:	Sercomm Corporation
Address of Applicant:	8F, No. 3-1, YuanQu St., NanKang, Taipei 115, Taiwan
Manufacturer:	Sercomm Corporation
Address of Manufacturer:	8F, No. 3-1, YuanQu St., NanKang, Taipei 115, Taiwan
Equipment Under Test (EUT):	
EUT Name:	Bridgestone
Model No.:	SCE5164-B48
Trade Mark:	Sercomm
Standard(s) :	FCC Part 2(Section 2.1091)
Date of Receipt:	2023-12-15
Date of Test:	2023-12-23 to 2024-01-10
Date of Issue:	2024-01-15
Test Result:	**Pass***

* In the configuration tested, the EUT complied with the standards specified above.

Revision Record			
Version	**Description**	***Date***	***Remark***
00	Original	2024-01-15	/

Authorized for issue by:				
Tested By		Damon zhou **Damon_Zhou/Project Engineer**		
Approved By		Terry Hou **Terry Hou /Reviewer**		

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3 General Information

3.1 General Description of E.U.T.

Power supply:	19Vdc from adapter 56Vdc from POE

3.2 Technical Specifications

Product Information:	Bridgestone
Sample Type:	Fixed device
CBSD Class:	A
Transmitter Frequency Band:	5G NR n48
Transmitter Frequency Range:	3550~3700MHz
Hardware Version:	DR600NOC-1.6
Software Version:	DG5605@2209281146
Test sample:	SN1: 2209DR6000150 SN2: 2209DR6000083
Antenna Gain:	6.0dBi
MIMO supported	2*2 UL/DL
Antenna Type:	Dipole Antenna

3.3 Test Location

All tests were performed at:

Compliance Certification Services (Kunshan) Inc.

No.10 Weiye Rd, Innovation park, Eco&Tec, Development Zone, Kunshan City, Jiangsu, China.

Tel: +86 512 5735 5888 Fax: +86 512 5737 0818

No tests were sub-contracted.

Note:

1.SGS is not responsible for wrong test results due to incorrect information (e.g. max. clock frequency, highest internal frequency, antenna gain, cable loss, etc) is provided by the applicant. (if applicable).

2.SGS is not responsible for the authenticity, integrity and the validity of the conclusion based on results of the data provided by applicant. (if applicable).

3. Sample source: sent by customer.

3.4 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

• A2LA

Compliance Certification Services (Kunshan) Inc. is accredited by the American Association for Laboratory Accreditation (A2LA). Certificate No. 2541.01.

• FCC

Compliance Certification Services (Kunshan) Inc. has been recognized as an accredited testing laboratory. Designation Number: CN1172.

• ISED

Compliance Certification Services (Kunshan) Inc. has been recognized by Innovation, Science and Economic Development Canada (ISED) as an accredited testing laboratory. Company Number: 2324E

• VCCI

The 3m and 10m Semi-anechoic chamber and Shielded Room of Compliance Certification Services (Kunshan) Inc. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-20134, R-11600, C-11707, T-11499, G-10216 respectively.

4 RF Exposure

4.1.1 Limints for Maximum Permissible Exposure (MPE)

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm^2)	Average Time (minutes)
Limits For General Population / Uncontrolled Exposure				
300-1500	…	…	F/1500	30
1500-100,000	…	…	1.0	30

F = Frequency in MHz

4.1.2 MPE Calculation Formula

$Pd = (Pout*G) / (4*pi*r^2)$
where
Pd = power density in mW/cm^2
Pout = output power to antenna in mW
G = gain of antenna in linear scale
pi = 3.1416
r = distance between observation point and center of the radiator in cm

4.1.3 Classification

The antenna of this product, under normal use condition,is at least 20cm away from the body of the user, so,this device is classified as mobile device

4.2 Calculation Result of Maximum Density Power

Function	Frequency Band (MHz)	EIRP (dBm)	Distance (cm)	Power Density Limit (mW/cm^2)	Limit (mW/cm^2)
5G NR n48	3550~3700	35.45	20	0.698	1

Note:Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

--End of the Report--