

RF Exposure Evaluation Report

Product Name : Intel Wireless-AC 9260
Model No. : 9260NGW
FCC ID : 2ANDV-VS100VS500

Applicant : Carl Zeiss Vision GmbH
Address : Turnstraße 27, 73430 Aalen, Germany

Date of Receipt : Jun. 27, 2022
Date of Declaration : Oct. 03, 2022
Report No. : 2260854R-RFUSMPEV02-A
Report Version : V1.0



The test results relate only to the samples tested.

The test results shown in the test report are traceable to the national/international standard through the calibration report of the equipment and evaluated measurement uncertainty herein.

This report must not be used to claim product endorsement by TAF or any agency of the government.

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Measurement uncertainties evaluated for each testing system and associated connections are given here to provide the system information for reference. Compliance determinations do not take into account measurement uncertainties for each testing system, but are based on the results of the compliance measurement.

Issued Date: Oct. 03, 2022

Report No.: 2260854R-RFUSMPEV02-A



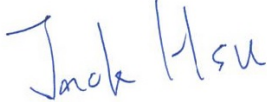
Product Name	Intel Wireless-AC 9260	
Applicant	Carl Zeiss Vision GmbH	
Address	Turnstraße 27, 73430 Aalen, Germany	
Manufacturer	Intel Mobile Communications	
Model No.	9260NGW	
FCC ID	2ANDV-VS100VS500	
Trade Name	Intel	
Applicable Standard	KDB 447498 D01 v06	☒ Minimum test separation distance ≥ 20 cm ☐ For low power devices
Test Result	Complied	

Documented By :



(Project Specialist / Ida Tung)

Tested By :



(Senior Engineer / Jack Hsu)

Approved By :



(Manager / Tim Sung)

Revision History

Report No.	Version	Description	Issued Date
2260854R-RFUSMPEV02-A	V1.0	Initial issue of report.	Oct. 03, 2022

1. GENERAL INFORMATION

1.1. EUT Description

Product Name	Intel Wireless-AC 9260
Trade Name	Intel
Model No.	9260NGW
Contains FCC ID	2ANDV-VS100VS500

Note: For more detailed information please refer to report No.: 2260854R-RFUSBLEV01-A,
2260854R-RFUSBT2V01-A, 2260854R-RFUSWL2V01-A and 2260854R-RFUSWL5V01-A.

2. Test Facility

USA : **FCC Registration Number: TW0033**

Canada : **CAB Identifier Number: TW3023 / Company Number: 26930**

Site Description : Accredited by TAF
Accredited Number: 3023

Test Laboratory : DEKRA Testing and Certification Co., Ltd
Address : No. 5-22, Ruishukeng Linkou District, New Taipei City, 24451, Taiwan
Performed Location : No. 26, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan, R.O.C.
Phone number : +886-3-275-7255
Fax number : +886-3-327-8031
Email address : info.tw@dekra.com
Website : <http://www.dekra.com.tw>

3. RF Exposure Evaluation

3.1. Standard Applicable

According to KDB 447498 D01 (7.1), A minimum test separation distance ≥ 20 cm is required between the antenna and radiating structures of the device and nearby persons to apply mobile device exposure limits.

3.2. Limits

According to FCC 1.1310: The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in 1.1307(b)

LIMITS 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)
(A) Limits for Occupational/ Control Exposures				
300-1500	--	--	F/300	6
1500-100,000	--	--	5	6
(B) Limits for General Population/ Uncontrolled Exposures				
300-1500	--	--	F/1500	6
1500-100,000	--	--	1	30

F= Frequency in MHz

Friis Formula

Friis transmission formula: $P_d = (P_{out} * G) / (4 * \pi * r^2)$

Where

P_d = power density in mW/cm²

P_{out} = output power to antenna in mW

G = gain of antenna in linear scale

π = 3.1416

R = distance between observation point and center of the radiator in cm

Simultaneous transmission MPE test exclusion applies when the sum of the MPE ratios for all simultaneously transmitting antennas incorporated in a host device is ≤ 1.0

3.3. Test Result of RF Exposure Evaluation

Product : Intel Wireless-AC 9260
Test Item : RF Exposure Evaluation

Bluetooth

Band	Maximum Output Power (dBm)	Antenna Gain (dBi)	Power Density at R = 20 cm (mW/cm ²)	Limit (mW/cm ²)
BT	11.5	3	0.0056	1

Note:1. The conducted output power is refer to report No.: 2260854R-RFUSBLEV01-A and 2260854R-RFUSBT2V01-A from the DEKRA.

2. Maximum Output Power = Maximum Output power specification + Tune up tolerance limit

WLAN 2.4GHz

Band	Maximum Output Power (dBm)	Antenna Gain (dBi)	Power Density at R = 20 cm (mW/cm ²)	Limit (mW/cm ²)
2.4GHz	24	3	0.0997	1

Note:1. The conducted output power is refer to report No.: 2260854R-RFUSWL2V01-A from the DEKRA.

2. Maximum Output Power = Maximum Output power specification + Tune up tolerance limit

WLAN 5GHz

Band	Maximum Output Power (dBm)	Antenna Gain (dBi)	Power Density at R = 20 cm (mW/cm ²)	Limit (mW/cm ²)
5GHz	25	4.28	0.1686	1

Note:1. The conducted output power is refer to report No.: 2260854R-RFUSWL5V01-A from the DEKRA.

2. Maximum Output Power = Maximum Output power specification + Tune up tolerance limit

3.4. Calculations for Multi-Transmitter

Mode	Ratios	Result	Limit
BT	0.0056	0.1742	1
WLAN	0.1686		

Ratios = Power Density / Power Density Limit

Results	PASS
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