	BUREAU VERITAS		
	RF Exposure Report		
Report No.:	SA191209C26B R1		
FCC ID:	2AKCZ-0F8		
Test Model:	APL62-0F8		
Received Date:	Dec. 09, 2019		
Test Date:	Jan. 07 ~ Apr. 20, 2020		
	Feb. 10, 2023		
Issued Date:	May 18, 2023		
Applicant:	SonicWall Inc.		
Address:	1033 McCarthy Blvd., Milpitas, CA 95035, USA		
Issued By:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch		
,	Lin Kou Laboratories		
Lab Address:	s: No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan		
Test Location:	: No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City 33383, Taiwan		
FCC Registration / Designation Number:	/ 788550 / TW0003		
	TAF		
	IBC-MRA		
	Testing Laboratory 2021		
This report is governed by and in-	proprotec by reference the Conditions of Testing as posted at the data of issuence of this associated the		
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was taken or any similar or identical product	ults set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample t unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based Measurement uncertainty is only norvided uncor request for according tests requested by for a for formula test of according test of according test of according tests and the results thereof based on simple the accuracy in the set of the se		

Cancels and replaces the report no. : SA191209C26B dated on Mar. 17, 2023



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Release Control Record

ssue No. Description		Date Issued
SA191209C26B Original release.		Mar. 17, 2023
SA191209C26B R1	Update Beamforming mode WLAN 2412~2462, 5180~5240 and 5745~5825MHz average power value on page 6.	May 18, 2023



1 Certificate of Conformity

Product:Wireless Network Security ApplianceBrand:SONICWALLTest Model:APL62-0F8Sample Status:Engineering sampleApplicant:SonicWall Inc.Test Date:Jan. 07 ~ Apr. 20, 2020FCC Rule Part:FCC Part 2 (Section 2.1091)Standards:KDB 447498 D01 General RF Exposure Guidance v06

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's RF characteristics under the conditions specified in this report.

Prepared by :

Polly Chien / Specialist

: May 18, 2023

Approved by :

Jeremy Lin,

Date: May 18, 2023

Jeremy Lin / Project Engineer



2 RF Exposure

2.1 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)		
Limits For General Population / Uncontrolled Exposure						
0.3-1.34	614 1.63		(100)*	30		
1.34-30	824/f	2.19/f	(180/f ²)*	30		
30-300	27.5	0.073	0.2	30		
300-1500			f/1500	30		
1500-100,000			1.0	30		

f = Frequency in MHz; *Plane-wave equivalent power density

2.2 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

2.3 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.



Frequency Band (MHz)	Max Average Power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm²)	Limit (mW/cm ²)		
CDD mode							
WLAN 2412~2462	26.62	6.20	20	0.381	1		
WLAN 5180~5240	24.96	8.86	20	0.479	1		
WLAN 5260~5320	23.09	8.86	20	0.312	1		
WLAN 5500~5700	22.82	8.86	20	0.293	1		
WLAN 5745~5825	24.38	8.86	20	0.419	1		
Beamforming mode							
WLAN 2412~2462	22.67	6.20	20	0.153	1		
WLAN 5180~5240	24.45	8.86	20	0.426	1		
WLAN 5260~5320	21.06	8.86	20	0.195	1		
WLAN 5500~5700	20.80	8.86	20	0.184	1		
WLAN 5745~5825	23.67	8.86	20	0.356	1		

3 Calculation Result of Maximum Conducted Power

Note:

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

2. Detail antenna specification please refer to antenna datasheet and/an antenna gain measurement report.

* WLAN 2.4GHz & WLAN 5GHz technology cannot transmit at same time.

2.4GHz: Directional gain = 3.19dBi +10log(2) = 6.20dBi 5.0GHz: Directional gain = 5.85dBi+10log(2) = 8.86dBi

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