

RF Exposure Report

Report No.: MFBDGE-WTW-P22031218

FCC ID: EHTPERS1

Test Model: 6920w

Received Date: Mar. 30, 2022

Test Date: May 10 ~ May 20, 2022

Issued Date: Jun. 16, 2022

Applicant: Mitel Networks Corporation

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Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
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FCC Registration / 788550 / TW0003
Designation Number:



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Release Control Record

Issue No.	Description	Date Issued
MFBIDGE-WTW-P22031218	Original release.	Jun. 16, 2022

1 Certificate of Conformity

Product: IP Phone

Brand: Mitel

Test Model: 6920w

Sample Status: Engineering sample

Applicant: Mitel Networks Corporation

Test Date: May 10 ~ May 20, 2022

Standards: FCC Part 2 (Section 2.1091)

References Test Guidance: 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.

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Approved by : Jeremy Lin, **Date:** Jun. 16, 2022
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

$$P_d = (P_{out} \cdot G) / (4 \cdot \pi \cdot r^2)$$

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

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.

3 Calculation Result of Maximum Conducted Power

Frequency Band (MHz)	Max. AV Power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm ²)	Limit (mW/cm ²)
WLAN 2412~2462	19.32	2.32	20	0.029	1
WLAN 5180~5240	16.66	2.63	20	0.017	1
WLAN 5260~5320	16.67	2.85	20	0.018	1
WLAN 5500~5720	12.38	3.55	20	0.008	1
WLAN 5745~5825	12.21	3.72	20	0.008	1
BT EDR 2402~2480	7.33	2.32	20	0.002	1
BT LE 2402~2480	5.42	2.32	20	0.001	1

*The EUT is not capable of simultaneous transmission.

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

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

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