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Report No.: 1907TW6501-U3
Report Version: 1.0
Issue Date: 2019-08-29

Maximum Permissible Exposure

FCC ID:	2AA5FX2000
APPLICANT:	Medical Intubation Technology Corporation
Application Type:	Certification
Product:	VIDEOSCOPE SYSTEM
Model No.:	X2000
Trademark:	Mitcorp
FCC Rule Part(s):	Part 2.1091 (Mobile)
Test Date:	August 6, 2019 ~ August 8, 2019

Reviewed By : Paddy Chen

(Paddy Chen)

Approved By : Chenz Ker

(Chenz Ker)

Testing Laboratory
3261

The test results relate only to the samples tested.
This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report. Test results reported herein relate only to the item(s) tested.
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Revision History

Report No.	Version	Description	Issue Date
1907TW6501-U3	1.0	Original Report	2019-08-29

1. PRODUCT INFORMATION

1.1. Equipment Description

Product Name	VIDEOSCOPE SYSTEM
Model No.	X2000
Trademark	Mitcorp
Wi-Fi Specification	802.11b/g/n
Frequency Range	**2.4GHz:** For 802.11b/g/n-HT20: 2412 ~ 2462 MHz
Type of Modulation	802.11b: DSSS, DBPSK, DQPSK, CCK 802.11g/n-20M: OFDM, BPSK, QPSK, 16QAM, 64QAM
2.4GHz Maximum Output Power	802.11b: 21.59dBm 802.11g: 24.62dBm 802.11n-HT20: 23.55dBm

1.2. Antenna Description

No.	Manufacturer	Part No.	Antenna Type	Peak Gain
1	LB-LINK	WNZ7915	PCB	2dBi

2. MAXIMUM PERMISSIBLE EXPOSURE (MPE)

2.1. 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				
0.3-3.0	614	1.63	*100	6
3.0-30	1842/f	4.89/f	$*900/f^2$	6
30-300	61.4	0.163	1.0	6
300-1500	--	--	f/300	6
1500-100,000	--	--	5	6
(B) Limits for General Population/ Uncontrolled Exposures				
0.3-1.4	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

Note : (1) f= Frequency in MHz , (2) * = Plane-wave equivalent power density

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

Under normal use condition, is at least 20cm away from the body of the user .

So, this device is classified as **Mobile Device**.

2.2. Test Result

Frequency Band (MHz)	Output Power (dBm)	Output Power (mW)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm^2)	Limit (mW/cm^2)
2412 ~ 2462	24.62	289.7	2	20	0.1153	1

So, device can comply with FCC radiation exposure requirement specified in the FCC Rule 2.1091.

The End