RF Exposure Report

Report No.:	SAARBU-WTW-P21060434
FCC ID:	M72-P026
Test Model:	P026
Received Date:	Jun. 11, 2021
Test Date:	Jul. 06 ~ Aug. 06, 2021
Issued Date:	Aug. 18, 2021
Applicant:	Polycom Inc.
Address:	6001 America Center Drive, San Jose CA 95002, USA
Issued By:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Lin Kou Laboratories
Lab Address:	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

Testing Laboratory
2021

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Release Control Record

Issue No.	Description	Date Issued
SAARBU-WTW-P21060434	Original release	Aug. 18, 2021

1 Certificate of Conformity

Product:	Poly Studio X70
Brand:	Poly
Test Model:	P026
Sample Status:	Engineering sample
Applicant:	Polycom Inc.
Test Date:	Jul. 06 ~ Aug. 06, 2021
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.

Prepared by : Pettie Chen , **Date:** Aug. 18, 2021

Pettie Chen / Senior Specialist

Approved by : Bruce Chen , **Date:** Aug. 18, 2021

Bruce Chen / Senior 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**.

3 Calculation Result of Maximum Conducted Power

Frequency Band (MHz)	Max Power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm^2)	Limit (mW/cm^2)
WLAN 2412~2462	16.39	5.61	20	0.032	1
WLAN 5180~5240	17.08	6.01	20	0.041	1
WLAN 5260~5320	16.99	6.01	20	0.040	1
WLAN 5500~5720	17.34	6.01	20	0.043	1
WLAN 5745~5825	17.85	6.01	20	0.048	1
BT EDR 2402~2480	6.96	2.6	20	0.002	1
BT LE 2402~2480	2.15	2.6	20	0.001	1

Note:
1. Directional gain:
   WLAN 2.4GHz Band: Directional gain = 2.6dBi + 10log(2) = 5.61dBi
   WLAN 5.0GHz Band: Directional gain = 3.0dBi + 10log(2) = 6.01dBi
2. Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.
3. The above Antenna information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications, the laboratory shall not be held responsible.
4. WLAN 2.4GHz & 5GHz & Bluetooth technology cannot transmit at same time.

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