RF Exposure Report

Report No.:	SA191021C11
FCC ID:	M72-P017
Test Model:	P017
Received Date:	Oct. 21, 2019
Test Date:	Nov. 05 ~ Nov. 19, 2019
Issued Date:	Nov. 26, 2019
Applicant:	Polycom Inc.
Address:	6001 America Center Dr, Alviso, CA 95002, United States
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

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Release Control Record

Issue No.	Description	Date Issued
SA191021C11	Original release	Nov. 26, 2019

1 Certificate of Conformity

Product:	Poly Studio X50
Brand:	Poly
Test Model:	P017
Sample Status:	Engineering sample
Applicant:	Polycom Inc.
Test Date:	Nov. 05 ~ Nov. 19, 2019
Standards:	FCC Part 2 (Section 2.1091)
References Test Guidance:	IEEE C95.3 -2002 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 : Celine Chou , **Date:** Nov. 26, 2019

Celine Chou / Senior Specialist

Approved by : Bruce Chen , **Date:** Nov. 26, 2019

Bruce Chen / Senior 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				
300-1500	…	…	F/1500	30
1500-100,000	…	…	1.0	30

F = Frequency in MHz

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	15.86	5.61	20	0.028	1
5180-5240	17.04	6.01	20	0.040	1
5260-5320	17.46	6.01	20	0.044	1
5500-5720	17.89	6.01	20	0.049	1
5745-5825	16.18	6.01	20	0.033	1
BT LE					
2402-2480	2.67	2.60	20	0.001	1
BT EDR					
2402-2480	7.32	2.60	20	0.002	1

Note:

1. Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.
2. 2.4GHz & 5GHz & BT technology cannot transmit at same time.

2.4GHz: Directional gain = 2.6dBi + 10log(2) = 5.61dBi

5GHz: Directional gain = 3dBi + 10log(2) = 6.01dBi

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