

## 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.

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**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** IEEE C95.3 -2002

**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 :** 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 <sup>2</sup> )	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<sup>2</sup>

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 <sup>2</sup> )	Limit (mW/cm <sup>2</sup> )
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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