

## RF Exposure Report

**Report No.:** SA200113C06A

**FCC ID:** M72-TC60ND

**Test Model:** Trio C60 ND

**Received Date:** Jan. 13, 2020

**Test Date:** Jan. 13 ~ Mar. 04, 2020

**Issued Date:** Mar. 05, 2020

**Applicant:** Polycom Inc.

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**Issued By:** Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch  
Lin Kou Laboratories

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**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
SA200113C06A	Original release	Mar. 05, 2020

## 1 Certificate of Conformity

**Product:** Conference Telephone

**Brand:**  poly

**Test Model:** Trio C60 ND

**Sample Status:** Engineering sample

**Applicant:** Polycom Inc.

**Test Date:** Jan. 13 ~ Mar. 04, 2020

**Standards:** FCC Part 2 (Section 2.1091)

**References Test Guidance:** KDB 447498 D01 General RF Exposure Guidance v06  
IEEE C95.3 -2002

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 :**  , **Date:** Mar. 05, 2020  
Polly Chien / Specialist

**Approved by :**  , **Date:** Mar. 05, 2020  
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

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

where

$P_d$  = power density in mW/cm<sup>2</sup>

$P_{out}$  = 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 Average Power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm <sup>2</sup> )	Limit (mW/cm <sup>2</sup> )
WLAN					
2412-2462	13.28	1.89	20	0.007	1
5180-5240	14.63	2.23	20	0.010	1
5260-5320	14.08	2.23	20	0.009	1
5500-5720	13.04	2.23	20	0.007	1
5745-5825	12.93	2.23	20	0.007	1
BT LE					
2402-2480	1.50	1.89	20	0.0004	1
BT EDR					
2402-2480	5.78	1.89	20	0.001	1

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

\* WLAN 2.4GHz & WLAN 5GHz technology cannot transmit at same time, but WLAN & BT technology can transmit at same time.

**Conclusion:**

The formula of calculated the MPE is:

$CPD1 / LPD1 + CPD2 / LPD2 + \dots \text{etc.} < 1$

CPD = Calculation power density

LPD = Limit of power density

1. WLAN 2.4GHz + BT =  $0.007/1 + 0.001/1 = 0.008$
2. WLAN 5GHz + BT =  $0.010/1 + 0.001/1 = 0.011$

Therefore, the maximum calculations of above situations are less than the "1" limit.

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