

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
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FCC Registration / 788550 / TW0003
Designation Number:



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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.

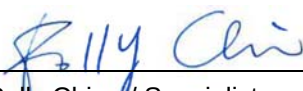
Test Date: Jan. 13 ~ Mar. 04, 2020

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 :


Polly Chien / Specialist

Date:

Mar. 05, 2020

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 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

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

where

P_d = power density in mW/cm²

P_{out} = output power to antenna in mW

G = gain of antenna in linear scale

π = 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 ²)	Limit (mW/cm ²)
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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