

Company: Polycom Inc.

Evaluation of: Trio 8500

To: FCC CFR 47 Part 1.1310

Report No.: POLY35-U2_MPE FCC Rev A

MPE/RF EXPOSURE TEST REPORT



MPE/RF EXPOSURE EVALUATION



Evaluation of: Polycom Inc.Trio 8500

to

To: FCC CFR 47 Part 1.1310

Report Serial No.: POLY35-U2_MPE FCC Rev A

This report supersedes: NONE

Applicant: Polycom Inc.
6001 America Center Dr.
San Jose, California 95002
USA

Product Function: Conference Phone/Video Conference

Issue Date: 19th July 2017

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1. MAXIMUM PERMISSABLE EXPOSURE

Calculations for Maximum Permissible Exposure Levels

Power Density = P_d (mW/cm²) = $EIRP / (4 * \pi * d^2)$

$EIRP = P * G$

P = Peak output power (mW)

G = Antenna numeric gain (numeric)

d = Separation distance (cm)

Numeric Gain = $10^{(G \text{ (dBi)} / 10)}$

The calculations in the table below use the highest conducted power value together with the highest antenna gain specified for the EUT. This calculations represent worst case in terms of the exposure levels.

Freq. Band (MHz)	Ant Gain (dBi)	Numeric Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density Limit (mW/cm ²) @ 20cm	Min Calculated safe distance for Limit (cm)	Calculated Power Density (mW/cm ²) @ 20cm
2400.0 - 2483.5	1.4	1.38	7.41	5.51	1.00	0.78	0.002

Note: for mobile or fixed location transmitters the minimum separation distance is 20cm, even if calculations indicate the MPE distance to be less.

Specification - Maximum Permissible Exposure Limits

The Limit is defined in Table 1 of FCC §1.1310.

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