

RF Exposure Report

Report No.: SA171201C07

FCC ID: TYM-J179

Test Model: J179

Received Date: Dec. 01, 2017

Test Date: Dec. 12 ~ Dec. 27, 2017

Issued Date: Jan. 04, 2018

Applicant: AVAYA

Address: 250 Sidney Street, Belleville, Ontario, K8P 3Z3, Canada

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

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Test Location: No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City 33383, TAIWAN (R.O.C.)



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Release Control Record

| Issue No. | Description | Date Issued |
|-------------|-------------------|---------------|
| SA171201C07 | Original release. | Jan. 04, 2018 |

1 Certificate of Conformity

Product: IP Phone

Brand: AVAYA

Test Model: J179

Sample Status: Production Unit

Applicant: AVAYA

Test Date: Dec. 12 ~ Dec. 27, 2017

Standards: FCC Part 2 (Section 2.1091)

KDB 447498 D01 General RF Exposure Guidance v06

IEEE C95.1

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 EMC characteristics under the conditions specified in this report.

Prepared by :


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Date:

Jan. 04, 2018

Approved by :


Bruce Chen / Project Engineer

Date:

Jan. 04, 2018

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

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

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 Power (dBm) | Antenna Gain (dBi) | Distance (cm) | Power Density (mW/cm ²) | Limit (mW/cm ²) |
|----------------------|-----------------|--------------------|---------------|-------------------------------------|-----------------------------|
| WLAN: 2412-2462 | 23.48 | 2.1 | 20 | 0.072 | 1 |
| WLAN: 5180-5240 | 14.05 | 2.4 | 20 | 0.009 | 1 |
| WLAN: 5745-5825 | 13.16 | 2.4 | 20 | 0.007 | 1 |
| BT EDR: 2402-2480 | 2.95 | 2.1 | 20 | 0.0006 | 1 |
| BT LE: 2402-2480 | 0.29 | 2.1 | 20 | 0.0003 | 1 |

*The WLAN 2.4 and 5GHz and BT cannot transmit simultaneously.

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