

## RF Exposure Report

**Report No.:** SA180419C48

**FCC ID:** TYM-K155

**Test Model:** K155

**Received Date:** Apr. 19, 2018

**Test Date:** May 07 ~ May 17, 2018

**Issued Date:** May 24, 2018

**Applicant:** AVAYA

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

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

**Lab Address:** No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan (R.O.C.)

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

**FCC Registration /  
Designation Number:** 788550 / TW0003



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### Release Control Record

Issue No.	Description	Date Issued
SA180419C48	Original release	May 24, 2018

## 1 Certificate of Conformity

**Product:** IP Phone

**Brand:** AVAYA

**Test Model:** K155

**Sample Status:** Engineering sample

**Applicant:** AVAYA

**Test Date:** May 07 ~ May 17, 2018

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

KDB 447498 D01 General RF Exposure Guidance v06

IEEE C95.1-1992

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:** May 24, 2018  
Celine Chou / Specialist

**Approved by :** Bruce Chen , **Date:** May 24, 2018  
Bruce Chen / 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

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

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

Function	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	23.78	2.1	20	0.0770	1
	5180-5240	12.86	2.4	20	0.0067	1
	5745-5825	12.81	2.4	20	0.0066	1
BT LE	2402-2480	0.47	2.1	20	0.0004	1
BT	2402-2480	2.52	2.1	20	0.0006	1

Note: The Max Power = Max tune up power

\* WLAN and BT technologies cannot transmit at same time; WLAN 2.4GHz and WLAN 5GHz technologies cannot transmit at same time.

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