

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 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

Function	Frequency Band (MHz)	Max Power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm ²)	Limit (mW/cm ²)
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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