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	RF Exposure Report
Report No.:	SA160121E07
FCC ID:	2AD8UFW2FADPM01
Test Model:	FW2IADPM01
Received Date:	Jan. 21, 2016
Test Date:	Feb. 17, 2016
Issued Date:	Mar. 04, 2016
	Nokia Solutions and Networks 1455 West Shure Drive, Arlington Heights, IL 60004, USA
Issued By:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Hsin Chu Laboratory
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Test Location (1):	E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan R.O.C.
Test Location (2):	No. 49, Ln. 206, Wende Rd., Shangshan Tsuen, Chiung Lin Hsiang, Hsin Chu Hsien 307, Taiwan R.O.C.

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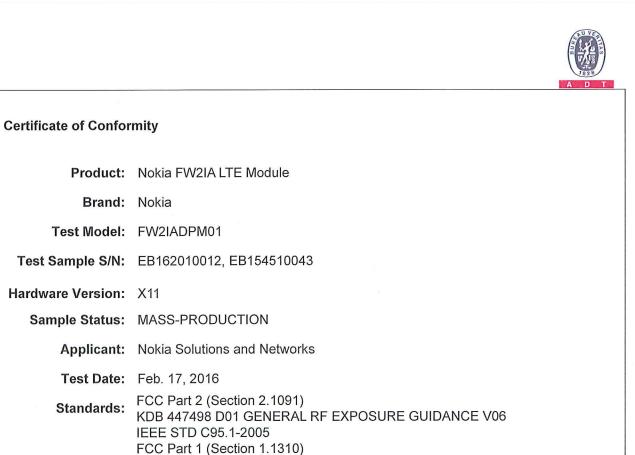


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Release Control Record					
Issue No.	Description			Date Issued	
SA160121E07	Original release.			Mar. 04, 2016	



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 :	<u> </u>	,	Date:	Mar. 04, 2016	
	Claire Kuan / Specialist				
Approved by :		,	Date:	Mar. 04, 2016	
	∕ May Chen ∕ Manager				
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# 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/cm2)	Average Time (minutes)			
	(A)Limits For Occupational / Control Exposures						
300-1500			F/300	6			
1500-100,000			5	6			
(B)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

## $Pd = (Pout^{*}G) / (4^{*}pi^{*}r^{2})$

#### where

 $Pd = power density in mW/cm^{2}$ 

Pout = 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 fixed station and installations by professional service persionnel device.



## 2.4 Antenna Gain

## The antennas provided to the EUT, please refer to the following table:

Antenna Spec

Antenna opec.					
Antenna No	Brand	Model	Antenna Type	Gain(dBi)	Frequency (GHz)
LTE Ant1(Main)	Nokia	FW2FADPM01	Slot Antenna	3.49	1.85~1.91
Antenna No	Brand	Model	Antenna Type	Gain(dBi)	Frequency (GHz)
LTE Ant2(Aux)	Nokia	FW2FADPM01	Slot Antenna	4.11	1.85~1.91

### Cable Spec.

Brand	Model	Connector Type	Cable Loss(dB)	Cable Length (mm)
NA	NA	Right angle MMCX Plug	peak gain included	287

### 2.5 Calculation Result

Calculation for Maximum EIRP

#### For LTE

Frequency Band (MHz)	EIRP Power (mW)	Distance (cm)	Power Density (mW/cm <sup>2</sup> )	Limit (mW/cm <sup>2</sup> )
1932.5-1987.5	635.331	20	0.1264	1

## 3 Brief Summary of results

The wireless device described within this report has been shown to be capable of compliance with the basic restrictions related to human exposure to electromagnetic fields for both General public and Occupational. The calculations shown in this report were made in accordance the procedures specified in the applied test specification(s)

	Required Compliance Boundary(m)		
Configuration	Occupational	General Population	
LTE FDD Band 2	0.2	0.2	

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