

FCC Part 2 Test ReportReport PrimeSchoozenczeHer PrimeSchoozenczeHer PrimeIDKIXMLPWA900Her PrimeICML-PWA-900-16-K9Her PrimeJun. 29, 2016Her PrimeJun. 29, 2016Her PrimeJun. 29, 2016Her PrimeJun. 28, 2016Her PrimeSchoozenceHer Prime



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	Release Control Record			
Issue No.	Description			Date Issued
SA160629C28	Original release.			Jul. 28, 2016
				,
Depart No. : 04400000	000	Dere No. 2 / 5		



1	Certificate of Conformity		
	Product:	Cisco LoRaWAN Interface Module	
	Brand:	Cisco Systems, Inc	
	Test Model:	IXM-LPWA-900-16-K9	
	Sample Status:	Engineering sample	
	Applicant:	Cisco Systems Inc	
	Test Date:	Jul. 18 ~ Jul. 28, 2016	
	Standards:	FCC Part 2 (Section 2.1091)	
		KDB 447498 D01 (October 23, 2015)	
		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 :	Pettie Chen / Senior Specialist	, Date:	Jul. 28, 2016
Approved by :	Ken Liu / Senior Manager	, Date:	Jul. 28, 2016



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			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 23cm away from the body of the user. So, this device is classified as **Mobile Device**.

3 Calculation Result of Maximum Conducted Power

Max Power	Antenna Gain	Distance	Power Density	Limit
(dBm)	(dBi)	(cm)	(mW/cm ²)	(mW/cm ²)
29.73	6.22	23	0.592	

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