

RF Exposure Report

Report No.: SA160531C14

FCC ID: SMH-NPCS600

Test Model: NPC600-T

Received Date: May 31, 2016

Test Date: Jun. 09 ~ Jun. 14, 2016

Issued Date: Jun. 16, 2016

Applicant: CIRCUS WORLD DISPLAYS LTD

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

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Release Control Record

Issue No.	Description	Date Issued
SA160531C14	Original release.	Jun. 16, 2016



A O T

1 Certificate of Conformity

Product: Nyrius Geronimo Wireless HD Transmitter

Brand: Nyrius

Test Model: NPCS600-T

Sample Status: Engineering sample

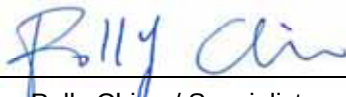
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Standards: FCC Part 2 (Section 2.1091)
KDB 447498 D01 (October 23, 2015)
IEEE C95.1

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 :


Polly Chien / Specialist

Date:

Jun. 16, 2016

Approved by :

Ken Liu / Senior Manager

Date:

Jun. 16, 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	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)	Max Power+ Max tolerance (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm ²)	Limit (mW/cm ²)
5190-5320	15.40	16.90	4.6	20	0.028	1
5270-5310	15.68	17.18	4.6	20	0.030	1
5510-5670	16.01	17.51	4.6	20	0.032	1
5755-5795	15.46	16.96	4.6	20	0.028	1

Note: Maximum tolerance is 1.5dB.

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