



Test Report No.: FS160129N011

# RF EXPOSURE REPORT

Applicant	VJJT Networks Ltd.
Address	Rm20-22, 15/F, PACIFIC TRADE, CENTRS NO.2 KAI HING ROAD, KOWLOON BAY, HongKong



Manufacturer or Supplier	VJJT Networks Ltd.
Address	Rm20-22, 15/F, PACIFIC TRADE, CENTRS NO.2 KAI HING ROAD, KOWLOON BAY, HongKong
Product	SectorStation N5
Brand Name	N/A
Model	SS-5G16
Additional Model & Model Difference	N/A
Date of tests	Mar. 20, 2016 ~ Mar. 25, 2016

☒ FCC Part 2 (Section 2.1091)

☒ KDB 447498 D01

☒ IEEE C95.1

**CONCLUSION: The submitted sample was found to COMPLY with the test requirement**

Tested by Blue zheng Project Engineer / EMC Department	Approved by Chris Chen Manager / EMC Department
	
	Date: Mar. 25, 2016

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**BUREAU**  
**VERITAS**

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## RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FS160129N011	Original release.	Mar. 25, 2016



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## 1. CERTIFICATION

<b>FCC ID:</b>	2AHEB-00001
<b>PRODUCT:</b>	SectorStation N5
<b>BRAND NAME:</b>	N/A
<b>MODEL NO.:</b>	SS-5G16
<b>ADDITIONAL NO.:</b>	N/A
<b>TEST SAMPLE:</b>	Engineering Sample
<b>APPLICANT:</b>	VJIT Networks Ltd.
<b>STANDARDS:</b>	FCC Part 2 (Section 2.1091)
	KDB 447498 D01
	IEEE C95.1



## 2. RF EXPOSURE LIMIT

### 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

## 3. 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

## 4. CLASSIFICATION

The antenna of this product, under normal use condition, is at least 74cm away from the body of the user. So, this device is classified as **Mobile Device**.

## 5. ANTENNA GAIN

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

Transmitter Circuit	Peak Gain (dBi)	Antenna number (N)	Total Gain (dBi)	Antenna Type
5G	16.2	2	19.2	PCB Antenna



## 6. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

FREQUENCY BAND (MHz)	MAX POWER (mW)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm <sup>2</sup> )	LIMIT (mW/cm <sup>2</sup> )
WLAN 5G Band 1	788.860	19.2	74	0.9535	1.0
WLAN 5G Band 4	716.143	19.2	74	0.8656	1.0

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