



**BUREAU
VERITAS**

Test Report No.: FS140922N050



RF EXPOSURE REPORT

Applicant	Imagination Technologies Ltd.
Address	Home Park Estate, Kings Langley, Hertfordshire, WD4 8LZ, United Kingdom

Manufacturer or Supplier	Digi-in Technology Co., Ltd
Address:	Jiatian Industrial park, Wulian villiage, Fenggang Town, Dongguan, China
Product	MIPS Creator CI20 platform
Brand Name	Imagination
Model	CI20
Additional Model & Model Difference	N/A
Date of tests	Sep. 22 ~ Oct. 22, 2014

- FCC Part 2 (Section 2.1091)
- FCC OET Bulletin 65, Supplement C (01-01)
- IEEE C95.1

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

Tested by Yuqiang Yin Project Engineer / EMC Department	Approved by Glyn He Supervisor / EMC Department
	
	Date: Oct. 22, 2014

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FS140922N050	Original release	Oct. 22, 2014

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1. CERTIFICATION

FCC ID: X280073
PRODUCT: MIPS Creator CI20 platform
BRAND NAME: Imagination
MODEL NO.: CI20
TEST SAMPLE: Engineering Sample
APPLICANT: Imagination Technologies Ltd.
TESTED DATE: Oct. 22, 2014
STANDARDS: FCC Part 2 (Section 2.1091)
FCC OET Bulletin 65, Supplement C (01-01)
IEEE C95.1

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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 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

3. MPE CALCULATION FORMULA

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

where

Pd = power density in mW/cm²

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

4. 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**.

5. ANTENNA GAIN

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

Transmitter Circuit	Peak Gain (dBi)	Antenna Type
Chain 0	2.0	Chip



6. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

FREQUENCY BAND (MHz)	MAX POWER (mW)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm ²)	LIMIT (mW/cm ²)
2412-2462	93.756	2.0	20	0.030	1.00

Conclusion

Therefore device complies with FCC's RF radiation exposure limits for general population in mobile exposure category (distance > 20cm)

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