

RF EXPOSURE REPORT

REPORT NO.: SA120106C03

MODEL NO.: TL-SC3430N

FCC ID: TE7SC3430N

RECEIVED: Jan. 06, 2012

TESTED: Feb. 03, 2012

ISSUED: Feb. 13, 2012

APPLICANT: TP-LINK TECHNOLOGIES CO., LTD.

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ISSUED BY: Bureau Veritas Consumer Products Services
(H.K.) Ltd., Taoyuan Branch Hsin Chu Laboratory

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RELEASE CONTROL RECORD

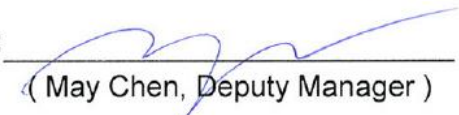
ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
SA120106C03	Original release	Feb. 13, 2012

1. CERTIFICATION

PRODUCT: Wireless N H.264 Megapixel Surveillance Camera
BRAND NAME: TP-LINK
MODEL NO.: TL-SC3430N
TEST SAMPLE: ENGINEERING SAMPLE
APPLICANT: TP-LINK TECHNOLOGIES CO., LTD.
TESTED DATE: Feb. 03, 2012
STANDARDS: FCC Part 2 (Section 2.1091)
FCC OET Bulletin 65, Supplement C (01-01)
IEEE C95.1

The above equipment (Model: TL-SC3430N) 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 :  , **DATE:** Feb. 13, 2012
(Lori Chung, Specialist)

APPROVED BY :  , **DATE:** Feb. 13, 2012
(May Chen, Deputy Manager)

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

$$P_d = (P_{out} * G) / (4 * \pi * r^2)$$

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

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. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

802.11b

CHANNEL	CHANNEL FREQUENCY (MHZ)	CONDUCTED POWER (mW)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/ cm ²)	LIMIT (mW/cm ²)
1	2412	20.9	2.0	20	0.007	1.00
6	2437	20.4	2.0	20	0.006	1.00
11	2462	19.5	2.0	20	0.006	1.00

802.11g

CHANNEL	CHANNEL FREQUENCY (MHZ)	CONDUCTED POWER (mW)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/ cm ²)	LIMIT (mW/cm ²)
1	2412	81.3	2.0	20	0.026	1.00
6	2437	77.6	2.0	20	0.024	1.00
11	2462	74.1	2.0	20	0.023	1.00

802.11n (20MHz)

CHANNEL	CHANNEL FREQUENCY (MHZ)	CONDUCTED POWER (mW)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/ cm ²)	LIMIT (mW/cm ²)
1	2412	72.4	2.0	20	0.023	1.00
6	2437	69.2	2.0	20	0.022	1.00
11	2462	66.1	2.0	20	0.021	1.00

802.11n (40MHz)

CHANNEL	CHANNEL FREQUENCY (MHZ)	CONDUCTED POWER (mW)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/ cm ²)	LIMIT (mW/cm ²)
3	2422	64.6	2.0	20	0.020	1.00
6	2437	64.6	2.0	20	0.020	1.00
9	2452	63.1	2.0	20	0.020	1.00

--- END ---