

RF EXPOSURE REPORT

REPORT NO.: SA110616E05 R1

MODEL NO.: RT3572

FCC ID: VQF-RT3572

APPLICANT: Ralink Technology Corporation

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ISSUED BY: Bureau Veritas Consumer Products Services

(H.K.) Ltd., Taoyuan Branch Hsin Chu Laboratory

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TABLE OF CONTENTS

RE	LEASE CONTROL RECORD	3
1.	CERTIFICATION	4
	RF EXPOSURE LIMIT	
3.	MPE CALCULATION FORMULA	5
4.	CLASSIFICATION	5
5.	CALCULATION RESULT OF MAXIMUM CONDUCTED POWER	6

Report No.: SA110616E05 R1 2
Cancels and replaces the report No.: SA110616E05 dated Aug. 23, 2011



RELEASE CONTROL RECORD

ISSUE NO. REASON FOR CHANGE		DATE ISSUED
SA110616E05 Original release		Aug. 23, 2011
SA110616E05 R1	Revised 2.4GHz calculation result.	Sep. 22, 2011

Report No.: SA110616E05 R1 3 Report Format Version 4.0.0



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1. CERTIFICATION

PRODUCT: 802.11a/b/g/n USB Dongle

BRAND NAME: Ralink

MODEL NO.: RT3572

TEST SAMPLE: MASS-PRODUCTION

APPLICANT: Ralink Technology Corporation

STANDARDS: FCC Part 2 (Section 2.1091)

FCC OET Bulletin 65, Supplement C (01-01)

IEEE C95.1

The above equipment (Model: RT3572) 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	<u> </u>	,	DAIE	Sep. 22, 2011	
	(Midoli Peng, Specialist)				
APPROVED BY	:	,	DATE:	Sep. 22, 2011	
	(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/cm²)	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*r2)

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**.

Report No.: SA110616E05 R1 5 Report Format Version 4.0.0



5. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

For 15.247(2.4GHz):

FREQUENCY BAND (MHz)	MAX POWER (mW)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/ cm ²)	LIMIT (mW/cm²)
2412-2462	570.2	3.25	20	0.240	1.00

For 15.247(5GHz):

FREQUENCY BAND (MHz)	MAX POWER (mW)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/ cm²)	LIMIT (mW/cm²)
5745-5825	269.8	5.01	20	0.170	1.00

For 15.407(5GHz):

FREQUENCY BAND (MHz)	MAX POWER (mW)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/ cm²)	LIMIT (mW/cm²)
5180-5240,	135.2	5.01	20	0.085	1.00
5260-5320,					
5500-5580					
5660-5700					

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Report No.: SA110616E05 R1 6 Report Format Version 4.0.0