

RF Exposure Evaluation Report

Product Name : Dongle

Model No. : RG-1217

FCC ID : A5MRG-1217

Applicant : Lenovo (Beijing) Limited

Address : 201-H2-6, Floor 2, Building 2, No.6 Shangdi West Road,
Haidian District, Beijing, China 100085

Date of Receipt : Dec. 26, 2019

Date of Declaration : Jan. 31, 2020

Report No. : 19C0440R-SAUSP03V00

Report Version : V1.0

The test results relate only to the samples tested.

The test results shown in the test report are traceable to the national/international standard through the calibration report of the equipment and evaluated measurement uncertainty herein.

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Issued Date: Jan. 31, 2020

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Product Name	Dongle	
Applicant	Lenovo (Beijing) Limited	
Address	201-H2-6, Floor 2, Building 2, No.6 Shangdi West Road, Haidian District, Beijing, China 100085	
Manufacturer	Chicony Electronics Co., Ltd.	
Model No.	RG-1217	
FCC ID.	A5MRG-1217	
Trade Name	Lenovo	
Applicable Standard	KDB 447498 D01 v06	☐ Minimum test separation distance ≥ 20 cm ☒ For low power devices
Test Result	Complied	

Documented By :



(Senior Adm. Specialist / Rita Huang)

Tested By :



(Supervisor / Wen Lee)

Approved By :



(Director / Vincent Lin)

1. GENERAL INFORMATION

1.1. EUT Description

Product Name	Dongle
Trade Name	Lenovo
Model No.	RG-1217
FCC ID.	A5MRG-1217
Frequency Range	2402~2479MHz
Channel Number	78CH
Channel Separation	1MHz
Type of Modulation	GFSK
Antenna Type	Print on PCB
Channel Control	Auto
Antenna Gain	Refer to the table “Antenna List”

1.2. Antenna List

No.	Manufacturer	Part No.	Antenna Type	Peak Gain
1	Chicony Electronics Co., Ltd.	RG-1217	Print on PCB	-5.52dBi for 2.4 GHz

2. RF Exposure Evaluation

2.1. Standard Applicable

According to 1.1307 (b)(1), systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

2.2. Measurement Result:

According to KDB Publication 447498 D01, section 4.3.1, per the calculations of item 1 $(\text{Power(mW)}/\text{separation (mm)} \cdot \sqrt{f(\text{GHz})} \leq 3.0)$, SAR is required as shown in the table below where calculated values are greater than 3.0:

1.)

Operation frequency = 2450MHz and antenna separation distance = 5mm,
SAR Test Exclusion Threshold = 10mW

Frequency Band (MHz)	Maximum H-Field power		SAR Test Exclusion Threshold	Calculated Threshold Value (≤ 3.0 SAR is not required)
	(dBuV/3m)	(mW)	(mW)	
2402 ~ 2479	98.90	2.33	10	0.728

Note1: The SAR/MPE measurement is not necessary.

Note2: The Maximum H-Field power is refer to report No.: 19C0440R-RFUSP15V00 from the DEKRA.