



FCC TEST REPORT

FCC ID: 2A39X-V2105

| | | |
|---|---|----------------------|
| Product | : | Car radio MP5 |
| Model Name | : | V2105 |
| Brand | : | N/A |
| Report No. | : | PTC21120600901E-FC02 |
| Prepared for | | |
| PingNan ChengMeiSi Technology Co., Ltd. | | |
| FuJianShengNingDeShiPingNanXianGuFengZhenDongHuanBeiLuYongTaiYiXiang9Hao | | |
| Prepared by | | |
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TEST RESULT CERTIFICATION

Applicant's name : PingNan ChengMeiSi Technology Co., Ltd.
Address : FuJianShengNingDeShiPingNanXianGuFengZhenDongHuanBeiL
uYongTaiYiXiang9Hao
Manufacture's name : PingNan ChengMeiSi Technology Co., Ltd.
Address : FuJianShengNingDeShiPingNanXianGuFengZhenDongHuanBeiL
uYongTaiYiXiang9Hao
Product name : Car radio MP5
Model name : V2105
Test procedure : KDB 447498 D01 General RF Exposure Guidance v06
Test Date : Jan. 04, 2022 to Jan. 12, 2022
Date of Issue : Jan. 12, 2022
Test Result : PASS

This device described above has been tested by PTS, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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Test Engineer:

Handwritten signature of Abel Yu in black ink.

Abel Yu / Engineer

Technical Manager:

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Wu Weimin /Manager



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2 Test Summary

| Test Items | Test Requirement | Result |
|---|------------------|--------|
| Maximum Permissible Exposure (Exposure of Humans to RF Fields) | 1.1307(b)(1) | PASS |
| Remark: | | |
| N/A: Not Applicable | | |



3 General Information

3.1 General Description of E.U.T.

| | | |
|----------------------|---|---|
| Product Name | : | Car radio MP5 |
| Model Name | : | V2105 |
| Additional model | : | V2208,V2209,V2212,V2214,V2315,V2320, N2003,N2002,N2207,N2210,B2210,B2211 |
| Specification | : | BT 5.0 BDR+EDR |
| Operation Frequency | : | 2402-2480MHz |
| Number of Channel | : | 79 channels |
| Type of Modulation | : | GFSK, $\pi/4$ -DQPSK,8DPSK |
| Antenna installation | : | PCB antenna |
| Antenna Gain | : | 0 dBi |
| Power supply | : | DC 14.4V 10A |
| Hardware Version | : | N/A |
| Software Version | : | N/A |



4 RF Exposure

Test Requirement : FCC Part 1.1307(b)(1)

Evaluation Method : FCC Part 2.1091

4.1 Requirements

Systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess limit for maximum permissible exposure. In accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091 this device has been defined as a mobile device whereby a distance of 0.2 m normally can be maintained between the user and the device.

4.2 The procedures / limit

(A) Limits for Occupational / Controlled Exposure

| Frequency Range | Electric Field | Magnetic Field | Power Density (S) | Averaging Time |
|-----------------|----------------|----------------|-------------------|----------------|
| 0.3-3.0 | 614 | 1.63 | (100)* | 6 |
| 3.0-30 | 1842 / f | 4.89 / f | (900 / f)* | 6 |
| 30-300 | 61.4 | 0.163 | 1.0 | 6 |
| 300-1500 | | | F/300 | 6 |
| 1500-100,000 | | | 5 | 6 |

(B) Limits for General Population / Uncontrolled Exposure

| Frequency Range | Electric Field | Magnetic Field | Power Density (S) | Averaging Time |
|-----------------|----------------|----------------|-------------------|----------------|
| 0.3-1.34 | 614 | 1.63 | (100)* | 30 |
| 1.34-30 | 824/f | 2.19/f | (180/f)* | 30 |
| 30-300 | 27.5 | 0.073 | 0.2 | 30 |
| 300-1500 | | | F/1500 | 30 |
| 1500-100,000 | | | 1.0 | 30 |

Note: f = frequency in MHz ; *Plane-wave equivalent power density



4.3 MPE Calculation Method

$$E \text{ (V/m)} = \frac{\sqrt{30 \times P \times G}}{d} \qquad \text{Power Density: } Pd \text{ (W/m}^2\text{)} = \frac{E^2}{377}$$

E = Electric field (V/m)

P = Peak RF output power (W)

G = EUT Antenna numeric gain (numeric)

d = Separation distance between radiator and human body (m)

The formula can be changed to

$$Pd = \frac{30 \times P \times G}{377 \times d^2}$$

From the peak EUT RF output power, the minimum mobile separation distance, d=0.2m, as well as the gain of the used antenna, the RF power density can be obtained

4.4 Test Result

| Item | Antenna Gain (numeric) | Max. Peak Output Power (dBm) | Peak Output Power (mW) | Power Density (mW/cm ²) | Limit of Power Density (mW/cm ²) | Result |
|--------|------------------------|------------------------------|------------------------|-------------------------------------|--|--------|
| BR+EDR | 1 | 3.053 | 2.0198 | 0.000402 | 1 | Pass |

*******THE END REPORT*******