

FCC TEST REPORT

FCC ID: 2AHRVMX4

Product Name : OTT TV BOX

Model Name : MX4,MXQ

Brand : N/A

Report No. : PT800491160309E-FC03

Prepared for

Shenzhen Chiptrip technology Co., Ltd.
8F,VIA BUILDING,NO.9966,SHENNAN BOULEVARD,NANSHAN DISTRICT,
SHENZHEN, GUANGDONG, CHINA.

Prepared by

DongGuan Precise Testing Service Co.,Ltd.
Building D, Baoding Technology Park, Guangming Road 2, Guangming Community
Dongcheng District, Dongguan, Guangdong, China

TEST RESULT CERTIFICATION

Applicant's name : Shenzhen Chiptrip technology Co., Ltd.
Address : 8F, VIA BUILDING, NO.9966, SHENNAN BOULEVARD, NANSHAN DISTRICT, SHENZHEN, GUANGDONG, CHINA.
Manufacture's name : Shenzhen Chiptrip technology Co., Ltd.
Address : 8F, VIA BUILDING, NO.9966, SHENNAN BOULEVARD, NANSHAN DISTRICT, SHENZHEN, GUANGDONG, CHINA.
Product name : OTT TV BOX
Model name : MX4, MXQ
Standards : FCC CFR47 Part 1.1307(b)(1)
Test procedure : KDB 447498 D01 General RF Exposure Guidance v05
Test Date : Apr. 03, 2016 ~ Apr.14, 2016
Date of Issue : Apr.15, 2016
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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Testing Engineer

August Qiu

Technical Manager

Hack Ye

Authorized Signatory

Chris Du

August Qiu
Hack Ye
Chris Du

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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 EUT

Product Name	:	OTT TV BOX
Model Name	:	MX4,MXQ
Model Description	:	Just the model names are difference
Bluetooth Version	:	V4.0
Operating frequency	:	For BT(Normal) 2402-2480MHz, 79 channels For BLE: 2402-2480MHz, 40 channels For WIFI 802.11b/g/n-HT20:2412-2462MHz, 11 channels 802.11n-HT40: 2422-2452MHz:7 channels
Antenna installation:	:	internal permanent antenna
Antenna Gain:	:	1.25 dBi
Type of Modulation	:	For BT(Normal) GFSK, Pi/4DQPSK, 8DPSK For BLE: GFSK For WIFI: IEEE 802.11b CCK/QPSK/BPSK IEEE 802.11g BPSK/QPSK/16QAM/64QAM IEEE 802.11n-HT20/HT40 BPSK/QPSK/16QAM/64QAM
Power supply	:	DC 5V power by adapter
Adapter	:	Input:100-240V ~50/60Hz 0.5A max Output: DC 5V 2.0A

4 RF Exposure

Test Requirement : FCC Part 1.1307

Evaluation Method : KDB 447498 D01 General RF Exposure Guidance v05

4.1 Requirements

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR where

$f(\text{GHz})$ is the RF channel transmit frequency in GHz

1. $f(\text{GHz})$ is the RF channel transmit frequency in GHz

2. Power and distance are rounded to the nearest mW and mm before calculation

3. The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

4.2 The procedures / limit

Item	Conducted Peak power(dBm)	Conducted Peak power(mW)	Source-based time-averaged maximum conducted output power(mW)	Minimum test separation distance required for the exposure conditions (mm)	SAR Test Exclusion Thresholds(mW)
BT	3.0	2.00	2.00	5	9.525
BLE	7.5	5.62	5.62	5	9.525
WIFI	9.5	8.91	8.91	5	9.525
Remark:					
BT: The power tune up tolerance is 2.0 ± 1 dBm					
BLE: The power tune up tolerance is 6.5 ± 1.0 dBm					
WIFI: The power tune up tolerance is 9.0 ± 0.5 dBm					
Max. duty factor is 100%					
Calculation formula: Source-based time-averaged maximum conducted output power(mW) = Conducted peak power(mW) * Duty factor					

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