

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.
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Prepared by

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TEST RESULT CERTIFICATION

Applicant's name : Shenzhen Chiptrip technology Co., Ltd.

Address : 8F, VIA BUILDING, NO.9966, SHENNAN BOULEVARD, NANSHAN DISTRICT, SHENZHEN, GUANGDONG, CHINA.

Manufacturer'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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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 \leq 50 mm are determined by:

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

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 \leq 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 $2.0 \pm 1 \text{ dBm}$

BLE: The power tune up tolerance is $6.5 \pm 1.0 \text{ dBm}$

WIFI: The power tune up tolerance is $9.0 \pm 0.5 \text{ dBm}$

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*****