

FCC TEST REPORT

FCC ID: 2AHRVF7

Product Name : Smart Media Player

Model Name : F7,F7I

Brand : N/A

Report No. : PT800491160309E-FC01

Prepared for

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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.
 Manufacture's name : Shenzhen Chiptrip technology Co., Ltd.
 Address : 8F, VIA BUILDING, NO.9966, SHENNAN BOULEVARD, NANSHAN DISTRICT, SHENZHEN, GUANGDONG, CHINA.
 Product name : Smart Media Player
 Model name : F7,F7I
 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	:	Smart Media Player
Model Name	:	F7,F7I
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:	:	Monopole 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(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
BT(Normal)	1.33	5.2	3.31	0.00088	1	Pass
BLE	1.33	-4.0	0.398	0.00011	1	Pass
WIFI	1.33	9.5	8.91	0.00236	1	Pass
Remark:						
BT: The power tune up tolerance is 4.2±1.0dBm BLE: The power tune up tolerance is -5.0±1.0dBm						
WIFI: The power tune up tolerance is 9.0±0.5dBm						
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*****