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Report No.: GTI20140326F-3

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TEST REPORT

Product name.....: PROJECTOR PAD P70

Trademark: AIPTEK

Model/Type reference: P70

Listed Model(s): /

FCC ID.....: 2AB5H-P70001

Test Standards: FCC Per 47 CFR 2.1093(d)

Applicant: AIPTEK International Inc.

Address of applicant: 2F, No.58, Park Avenue 2nd Rd., Science-Based Industrial
Park, Hsinchu 30844, Taiwan, R.O.C.

Date of Receipt: Dec.03, 2014

Date of Test Date.....: Feb.11, 2015 - Mar.10, 2015

Data of issue.: Mar.11, 2015

Test result	Pass *
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* In the configuration tested, the EUT complied with the standards specified above

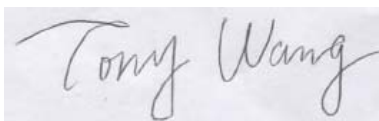
GENERAL DESCRIPTION OF EUT	
Equipment:	PROJECTOR PAD P70
Model Name:	P70
Manufacturer:	AIPTEK International Inc.
Manufacturer Address:	2F, No.58, Park Avenue 2nd Rd., Science-Based Industrial Park, Hsinchu 30844, Taiwan, R.O.C.
Power Rating:	DC 3.7V from battery or DC 5.0V form Input: 100-240V~ 50/60Hz 0.45A Max adapter Output: 5V---2.5A

Compiled By:



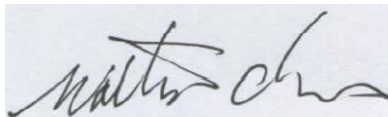
(Allen Wang)

Reviewed By:



(Tony Wang)

Approved By:



(Walter Chen)

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1. SUMMARY

1.1. Test Facility

1.3.1 Address of the test laboratory

Shenzhen GTI Technology Co., Ltd

1F, 2 Block, Jiaquan Building, Guanlan High-tech Park Baoan District, Shenzhen, Guangdong, China

1.3.2 Laboratory accreditation

The test facility is recognized, certified, or accredited by the following organizations:

IC Registration No.: 9783A

The 3m alternate test site of Shenzhen GTI Technology Co., Ltd. EMC Laboratory has been registered by Certification and Engineer Bureau of Industry Canada for the performance of with Registration NO.: 9783A on Aug, 2011.

FCC-Registration No.: 214666

Shenzhen GTI Technology Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration 214666, Sep 19, 2011

1.2. Statement of the measurement uncertainty

Test Items	Measurement Uncertainty	Notes
Transmitter power conducted	0.57 dB	(1)

(1) This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=1.96$.

2. GENERAL INFORMATION

2.1.Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature:	15~35°C
Relative Humidity:	30~60 %
Air Pressure:	950~1050mba

2.2.General Description of EUT

Product Name:	PROJECTOR PAD P70
Model/Type reference:	P70
Power supply:	DC 3.7V from battery
Adapter information:	Model: APS-A01205025WZ-G Input: 100-240VAC, 50/60Hz, 0.45A Output: 5V---2.5A
Hardware version:	RV2.1
Software version:	Android 4.4.4
WIFI :	
Supported type:	802.11b/802.11g/802.11n(H20)
Modulation:	802.11b: DSSS 802.11g/802.11n(H20):OFDM
Operation frequency:	802.11b/802.11g/802.11n(H20): 2412MHz~2462MHz
Channel number:	802.11b/802.11g/802.11n(H20): 11
Channel separation:	5MHz
Antenna type:	FPC Antenna
Antenna gain:	0 dBi
Bluetooth 2.1	
Version:	Supported BT2.1
Modulation:	GFSK, $\pi/4$ DQPSK, 8DPSK
Operation frequency:	2402MHz~2480MHz
Channel number:	79
Channel separation:	1MHz
Antenna type:	FPC Antenna
Antenna gain:	0 dBi

Note: For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

3. Method of measurement

Applicable Standard

According to §1.1307(b)(1), 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 level in excess of the Commission's guidelines.

According to 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 follow formula:

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

- f(GHz) is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison

When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion

RF Exposure Evaluation

From the peak EUT RF output power and power drift from Tune-up Procedure provide by manufacturer as following states:

Manufacturing tolerance

WIFI			
802.11b			
Test Channel	Channel 01	Chanel 06	Channel 11
Target (dBm)	9.00	9.00	9.00
Tolerance \pm (dB)	0.50	0.50	0.50
802.11g			
Target (dBm)	8.50	8.50	8.50
Tolerance \pm (dB)	0.50	0.50	0.50
802.11n(HT20)			
Target (dBm)	8.50	8.50	8.50
Tolerance \pm (dB)	0.50	0.50	0.50

BT			
GFSK			
Test Channel	Channel 00	Chaanel 39	Channel 78
Target (dBm)	0.00	0.00	0.00
Tolerance \pm (dB)	1.00	1.00	1.00
$\pi/4$DQPSK			
Target (dBm)	-1.00	-1.00	-1.00
Tolerance \pm (dB)	1.00	1.00	1.00
8DPSK			
Target (dBm)	-1.00	-1.00	-1.00
Tolerance \pm (dB)	1.00	1.00	1.00

Evaluation Results

For 802.11b

Test Frequency (MHz)	Output Power (dBm)	Output Power including Power Drift (dBm)	Calculated Value	Exclusion thresholds	Verdict
2412	9.34	9.50	2.8	3	PASS
2437	9.42	9.50	2.8	3	PASS
2462	9.36	9.50	2.8	3	PASS

For 802.11g

Test Frequency (MHz)	Output Power (dBm)	Output Power including Power Drift (dBm)	Calculated Value	Exclusion thresholds	Verdict
2412	8.63	9.00	2.5	3	PASS
2437	8.74	9.00	2.5	3	PASS
2462	8.54	9.00	2.5	3	PASS

For 802.11n (HT20)

Test Frequency (MHz)	Output Power (dBm)	Output Power including Power Drift (dBm)	Calculated Value	Exclusion thresholds	Verdict
2412	8.24	9.00	2.5	3	PASS
2437	8.36	9.00	2.5	3	PASS
2462	8.47	9.00	2.5	3	PASS

For BT GFSK

Test Frequency (MHz)	Output Power (dBm)	Output Power including Power Drift (dBm)	Calculated Value	Exclusion thresholds	Verdict
2402	-0.27	1.00	0.4	3	PASS
2441	-0.09	1.00	0.4	3	PASS
2480	-0.39	1.00	0.4	3	PASS

For BT $\pi/4$ DQPSK

Test Frequency (MHz)	Output Power (dBm)	Output Power including Power Drift (dBm)	Calculated Value	Exclusion thresholds	Verdict
2402	-1.65	0.00	0.3	3	PASS
2441	-1.28	0.00	0.3	3	PASS
2480	-1.46	0.00	0.3	3	PASS

**For BT 8DPSK**

Test Frequency (MHz)	Output Power (dBm)	Output Power including Power Drift (dBm)	Calculated Value	Exclusion thresholds	Verdict
2402	-1.48	0.00	0.3	3	PASS
2441	-1.19	0.00	0.3	3	PASS
2480	-1.37	0.00	0.3	3	PASS

Conclusion

The measurement results comply with the FCC Limit per 47 CFR 2.1093 for the uncontrolled RF Exposure and SAR Exclusion Threshold per KDB 447498 v05r02.

*****THE END*****