MPE Report

FCC ID: 2AAJE-M736

Product： Tablet PC

Trade Name： KOCASO

Model Number： M736, M836, M870, M1062, M1066, M872, M1070

Issued for

Global Phoenix Computer T&S, Inc.

21 Dutch Mill Road, Ithaca, NY 14850

Issued by

Shenzhen STONE Testing Technology Co., Ltd.

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TEST RESULT CERTIFICATION

Product	Tablet PC
Applicant	Global Phoenix Computer T&S, Inc.
Address	21 Dutch Mill Road, Ithaca, NY 14850
Manufacturer	Global Phoenix Computer T&S, Inc.
Address	21 Dutch Mill Road, Ithaca, NY 14850
Model No.	M736, M836, M870, M1062, M1066, M872, M1070
Test Method	KDB 447498 Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies V05

The above equipment has been tested by Shenzhen STONE Testing Technology Co., Ltd. and found compliance with the requirements set forth in the technical standards mentioned above. The results of testing in this report apply only to the product/system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

Test.....:

Date of receipt of test item 2013-07-03

Date(s) of performance of test..... 2013-07-10 to 2013-07-16

Test Result.....: Compliance

Testing by	:	Linna Liu	Date	:	2013-07-15
		(Linna Liu)			
Check by	:	Andy Huang	Date	:	2013-07-17
		(Andy Huang)			
Approved by	:	Ethan Chen	Date	:	2013-07-18
		(Ethan Chen)			

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1. GENERAL INFORMATION

GENERAL DESCRIPTION OF EUT

Equipment	Tablet PC
Model Name	M736
Additional Model Number(s)	M836, M870, M1062, M1066, M872, M1070
Model Difference	All models are identical except model names.
Frequency Range	IEEE 802.11b/g/n(HT20): 2412~2462 MHz Bluetooth(Version: 3.0): 2402~2480 MHz
Modulation Type	IEEE 802.11b: DSSS IEEE 802.11g:OFDM IEEE 802.11n:OFDM Bluetooth: GFSK/ π /4-DQPSK/8-DPSK
RF Output Power	IEEE 802.11b: 8.54 dBm IEEE 802.11g: 8.13 dBm IEEE 802.11n: 8.26 dBm Bluetooth: GFSK: 0.75 dBm 8-DPSK: -0.33 dBm
Antenna Type	PFA Antenna (Gain: 0 dBi)
Power Source	DC power from AC/DC Adapter DC power from USB cable by host system
Power Rating	AC/DC Adapter: Input: AC 120~240V 50/60 Hz Output: DC5V 2A DC 5.0V from USB cable.
Remark	Based on the application, features, or specification exhibited in User's Manual, the EUT is considered as an ITE/Computing Device. More details of EUT technical specification, please refer to the User's Manual.

Note:

(1) More test information refer to Radio test reports for Bluetooth and IEEE802.11b/g/n.

2. RF EXPOSURE LIMIT

FCC: According to KDB 447498 D01 Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies V05.

Appendix A: SAR Test Thresholds for 100MHz~6GHz and ≤50mm.

MHz	5	10	15	20	25	mm
150	39	77	116	155	194	SAR Test Exclusion Threshold (mW)
300	27	55	82	110	137	
450	22	45	67	89	112	
835	16	33	49	66	82	
900	16	32	47	63	79	
1500	12	24	37	49	61	
1900	11	22	33	44	54	
2450	10	19	29	38	48	
3600	8	16	24	32	40	
5200	7	13	20	26	33	
5400	6	13	19	26	32	
5800	6	12	19	25	31	

MHz	30	35	40	45	50	mm
150	232	271	310	349	387	SAR Test Exclusion Threshold (mW)
300	164	192	219	246	274	
450	134	157	179	201	224	
835	98	115	131	148	164	
900	95	111	126	142	158	
1500	73	86	98	110	122	
1900	65	76	87	98	109	
2450	57	67	77	86	96	
3600	47	55	63	71	79	
5200	39	46	53	59	66	
5400	39	45	52	58	65	
5800	37	44	50	56	62	

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:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)]*[√f(GHz)] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

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

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.

3. CALCULATION

1. MAXIMUM POWER

IEEE 802.11b				
Channel	Max. Conducted Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)
2412	8.54	0	8.54	7.145
2437	8.07	0	8.07	6.412
2462	7.97	0	7.97	6.266
IEEE 802.11g				
Channel	Max. Conducted Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)
2412	8.01	0	8.01	6.324
2437	8.10	0	8.10	6.456
2462	8.13	0	8.13	6.501
IEEE 802.11n				
Channel	Max. Conducted Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)
2412	8.26	0	8.26	6.699
2437	7.92	0	7.92	6.194
2462	8.16	0	8.16	6.546
Bluetooth (GFSK)				
Channel	Max. Conducted Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)
2402	0.62	0	0.62	1.153
2441	0.75	0	0.75	1.188
2480	0.63	0	0.63	1.156
Bluetooth (8-DPSK)				
Channel	Max. Conducted Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)
2402	-0.90	0	-0.90	0.813
2441	-0.55	0	-0.55	0.881
2480	-0.33	0	-0.33	0.927

2. The Max. Output Power EIRP= 8.54 (dBm)=7.145 (mW), Frequency is 2412 MHz(2.412GHz),
   So [(7.145/5)]*[√2.412]= 2.219 ≤ 3.0

   Conclusion: No SAR is required.