Shenzhen Toby Technology Co., Ltd.

Report No.: TB-MPE154849

Page: 1 of 4

RF Exposure Evaluation FCC ID: 2AMQR-101

1. Client Information

Applicant : Shenzhen Zhixingsheng Electronic Co., Ltd

Address: 4/F, Building F.No.8 of East Zone, Shangxue Science Park,

Bantian, Jihua Road, Longgang Disctrict, Shenzhen, China

Manufacturer : Shenzhen Zhixingsheng Electronic Co., Ltd

Address: 4/F, Building F.No.8 of East Zone, Shangxue Science Park,

Bantian, Jihua Road, Longgang Disctrict, Shenzhen, China

2. General Description of EUT

Zi Conorai	70	Scription of Lot		
EUT Name	:	Ads machine		
Models No.		7", 10.1", 13.3", 15.6", 18.5", 23.5", 27", 32"		
Model Difference	•	All these models are identical in the same PCB, layout and electrica circuit, the only difference is CPU and boxes size.		
Product Description	3	Operation Frequency: RF Output Power:	802.11b/g/n(HT20): 2412MHz~2462MHz Bluetooth 4.0: 2402MHz~2480MHz 802.11b: 8.39dBm	
		TOPE	802.11g: 7.59dBm 802.11n (HT20): 7.99dBm GFSK: 1.653dBm π /4-DQPSK: 0.508dBm	
		UBD W	8-DPSK: 0.640dBm	
		Antenna Gain:	4.3dBi FPC Antenna	
Power Supply	ė	DC Voltage Supply from AC/DC Adapter.		
Power Rating		AC/DC Adapter (RSF-120A-1208000): Input: AC 100~240V, 50/60Hz, 0.75A. Output: DC 12V/3.0A.		
Connecting I/O Port(S)		Please refer to the User's Manual		

Note: More test information about the EUT please refer the RF Test Report.

TB-RF-074-1. 0



Report No.: TB-MPE154725

Page: 2 of 4

SAR Test Exclusion Calculations

1. FCC: According to KDB 447498 D01 Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies v06.

(1) Clause 4.3: General SAR test reduction and exclusion guidance Sub clause 4.31: Standalone SAR test exclusion considerations

1)The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6GHz at test separation distance≤5 mm are determined by:

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

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation, mm)]*[$\sqrt{f_{(GHz)}}$] \leq 7.5.0 for 10-g SAR



Report No.: TB-MPE154725

Page: 3 of 4

2. Calculation:

			WiFi Mode(802.11b)			
Frequency (GHz)	Conducted Power (dBm)	Turn-up Power Tolerance (dB)	Max power of tune up tolerance (dbm)	Max power of tune up tolerance (mw)	Calculation Value	Threshold Value
2.412	8.39	8±1	9	7.943	2.467	3.0
2.437	7.63	8±1	9	7.943	2.480	3.0
2.462	7.07	8±1	9	7.943	2.493	3.0
- W	Winds of the last	A COMPANY	WiFi Mode(802.11g)		~ HH	1
Frequency (GHz)	Conducted Power (dBm)	Turn-up Power Tolerance (dB)	Max power of tune up tolerance (dbm)	Max power of tune up tolerance (mw)	Calculation Value	Threshold Value
2.412	7.59	7±1	8	6.310	1.960	3.0
2.437	7.19	7±1	8	6.310	1.970	3.0
2.462	6.73	7±1	8	6.310	1.980	3.0
AMORE		Wi	Fi Mode(802.11n(HT2	0))	AMA	
Frequency (GHz)	Conducted Power (dBm)	Turn-up Power Tolerance (dB)	Max power of tune up tolerance (dbm)	Max power of tune up tolerance (mw)	Calculation Value	Threshold Value
2.412	7.99	7±1	8	6.310	1.960	3.0
2.437	7.89	7±1	8	6.310	1.970	3.0
2.462	7.12	7±1	8	6.310	1.980	3.0



Report No.: TB-MPE154725

Page: 4 of 4

		BI	uetooth Mode (GFSK)			
Frequency (GHz)	Conducted Power (dBm)	Turn-up Power Tolerance (dB)	Max power of tune up tolerance (dbm)	Max power of tune up tolerance (mw)	Calculation Value	Threshold Value
2.402	1.653	1.5±0.5	2	1.585	0.491	3.0
2.441	1.490	1.5±0.5	2	1.585	0.495	3.0
2.480	1.058	1.5±0.5	2	1.585	0.499	3.0
CAID	_ @#/	Bluet	tooth Mode (π/4-DQPS	K)	TIME TO	- 10
Frequency (GHz)	Conducted Power (dBm)	Turn-up Power Tolerance (dB)	Max power of tune up tolerance (dbm)	Max power of tune up tolerance (mw)	Calculation Value	Threshold Value
2.402	0.506	0.5±0.5	1	1.259	0.390	3.0
2.441	0.508	0.5±0.5	1	1.259	0.393	3.0
2.480	0.189	0.5±0.5	1	1.259	0.397	3.0
	CITI'S	Blu	uetooth Mode (8-DPSK)			CIII'S
Frequency (GHz)	Conducted Power (dBm)	Turn-up Power Tolerance (dB)	Max power of tune up tolerance (dbm)	Max power of tune up tolerance (mw)	Calculation Value	Threshold Value
2.402	0.640	0.5±0.5	1	1.259	0.390	3.0
2.441	0.623	0.5±0.5	1	1.259	0.393	3.0
2.480	0.241	0.5±0.5	1	1.259	0.397	3.0

Test separation: 5mm The worst RF Exposure Evaluation					
Bluetooth Mode	Value	Threshold value			
0.499	2.992	3.0			
	The wors lation Value Bluetooth Mode	The worst RF Exposure Evalua Ilation Value Bluetooth Mode Total Calculation Value			

Because the WiFi and Bluetooth can be operated simultaneously, So the worst RF Exposure Evaluation is calculated as 2.493+0.499=2.992 / cm2 < limit 3.0, So standalone SAR measurements are not required.

----END OF REPORT----