

RF EXPOSURE REPORT

Reference No..... : WTX26X06179821W006
FCC ID..... : 2AUI4-UFACE87
Applicant..... : Universal Ubiquitous AI Co., Ltd.
Address..... : Floor 24-26 Building 3, Fashion Vantone City, Cangqian Street, Yuhang
District, Hangzhou, Zhejiang, China
Manufacturer..... : The same as Applicant
Address..... : The same as Applicant
Product Name..... : Face Recognition Terminal
Model No..... : Uface 8 SE
Standards..... : FCC Rule Part 1.1307
KDB 447498 D01
Date of Receipt sample..... : 2026-06-22
Date of Test..... : 2026-07-01 to 2026-07-24
Date of Issue..... : 2026-07-31
Report Form No..... : WTX_Part 1_1307W
Result..... : **Pass**

Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of approver.

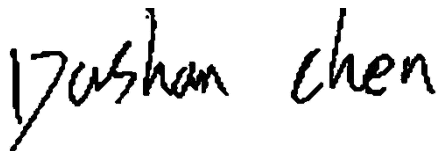
Prepared By:

Waltek Testing Group (Shenzhen) Co., Ltd.

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Tested by:



Dashan Chen/Project Engineer

Approved by:



Jason Su/Manager

1 General Information

General Description of EUT	
Product Name:	Face Recognition Terminal
Trade Name:	/
Model No.:	Uface 8 SE
Adding Model(s):	Uface 8T SE , Uface 7T SE, Uface 7 SE
Rated Voltage:	DC12V
Battery Capacity:	/
Power Adapter Model:	/
Equipment Type:	Fixed device

Technical Characteristics of EUT	
Bluetooth	
Bluetooth Version:	V5.2 (LE mode)
Frequency Range:	2402-2480MHz
RF Output Power:	6.47dBm (Conducted)
Data Rate:	1Mbps
Modulation:	GFSK
Quantity of Channels:	40
Channel Separation:	2MHz
Type of Antenna:	FPC Antenna
Antenna Gain:	2.9dBi
WiFi 2.4G	
Support Standards:	802.11b, 802.11g, 802.11n, 802.11ax
Frequency Range:	2412-2462MHz for 802.11b/g/n/ax(HT/HE20) 2422-2452MHz for 802.11n(HT40)
RF Output Power:	11.00dBm (Conducted)
Type of Modulation:	CCK, OFDM, QPSK, BPSK, 16QAM, 64QAM, 256QAM, 1024QAM
Quantity of Channels:	11 for 802.11b/g/n/ax(HT/HE20); 7 for 802.11n(HT40)
Channel Separation:	5MHz
Type of Antenna:	FPC Antenna
Antenna Gain:	2.9dBi
NFC	
Support Standards:	NFC
Frequency Range:	13.56MHz
Max. Field Strength:	44.72dBuV/m (at 3m)
Antenna Type:	PCB Antenna
Antenna Gain	0dBi
125kHz	
Frequency Range:	125kHz

Modulation Type:	ASK
Antenna Type:	Coil Antenna
Antenna Gain	0dBi

2 Test Facility

Address of the test laboratory

Laboratory: Waltek Testing Group (Shenzhen) Co., Ltd.

Address: 1/F., Room 101, Building 1, Hongwei Industrial Park, Liuxian 2nd Road, Block 70 Bao'an District, Shenzhen, Guangdong, China

FCC – Registration No.: 125990

Waltek Testing Group (Shenzhen) 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. The Designation Number is CN5010, and Test Firm Registration Number is 125990.

Industry Canada (IC) Registration No.: 11464A

The 3m Semi-anechoic chamber of Waltek Testing Group (Shenzhen) Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 11464A and the CAB identifier is CN0057.

3 RF Exposure Exemption

According to the KDB 447498 D01 V06, 4.3.1 b) c), for frequencies below 6GHz, the following may be considered for SAR test exclusion (also illustrated in Appendix B and Appendix C):

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 according to 4.1 f) is applied to determine SAR test exclusion.

- b) For 100 MHz to 6 GHz and *test separation distances* > 50 mm, the 1-g and 10-g *SAR test exclusion thresholds* are determined by the following (also illustrated in Appendix B):³²
 - 1) $\{[\text{Power allowed at } \textit{numeric threshold} \text{ for } 50 \text{ mm in step a)}] + [(\text{test separation distance} - 50 \text{ mm}) \cdot (f_{\text{MHz}}/150)]\}$ mW, for 100 MHz to 1500 MHz
 - 2) $\{[\text{Power allowed at } \textit{numeric threshold} \text{ for } 50 \text{ mm in step a)}] + [(\text{test separation distance} - 50 \text{ mm}) \cdot 10]\}$ mW, for > 1500 MHz and ≤ 6 GHz
- c) For frequencies below 100 MHz, the following may be considered for SAR test exclusion (also illustrated in Appendix C):³³
 - 1) For *test separation distances* > 50 mm and < 200 mm, the power threshold at the corresponding test separation distance at 100 MHz in step b) is multiplied by $[1 + \log(100/f_{\text{MHz}})]$
 - 2) For *test separation distances* ≤ 50 mm, the power threshold determined by the equation in c) 1) for 50 mm and 100 MHz is multiplied by $\frac{1}{2}$
 - 3) SAR measurement procedures are not established below 100 MHz.

Appendix B

SAR Test Exclusion Thresholds for 100 MHz – 6 GHz and > 50 mm

Approximate SAR test exclusion power thresholds at selected frequencies and test separation distances are illustrated in the following table. The equation and threshold in 4.3.1 must be applied to determine SAR test exclusion.

MHz	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	mm
100	474	481	487	494	501	507	514	521	527	534	541	547	554	561	567	mW
150	387	397	407	417	427	437	447	457	467	477	487	497	507	517	527	
300	274	294	314	334	354	374	394	414	434	454	474	494	514	534	554	
450	224	254	284	314	344	374	404	434	464	494	524	554	584	614	644	
835	164	220	275	331	387	442	498	554	609	665	721	776	832	888	943	
900	158	218	278	338	398	458	518	578	638	698	758	818	878	938	998	
1500	122	222	322	422	522	622	722	822	922	1022	1122	1222	1322	1422	1522	
1900	109	209	309	409	509	609	709	809	909	1009	1109	1209	1309	1409	1509	
2450	96	196	296	396	496	596	696	796	896	996	1096	1196	1296	1396	1496	
3600	79	179	279	379	479	579	679	779	879	979	1079	1179	1279	1379	1479	
5200	66	166	266	366	466	566	666	766	866	966	1066	1166	1266	1366	1466	
5400	65	165	265	365	465	565	665	765	865	965	1065	1165	1265	1365	1465	
5800	62	162	262	362	462	562	662	762	862	962	1062	1162	1262	1362	1462	

Appendix C

SAR Test Exclusion Thresholds for < 100 MHz and < 200 mm

Approximate SAR test exclusion power thresholds at selected frequencies and test separation distances are illustrated in the following table. The equation and threshold in 4.3.1 must be applied to determine SAR test exclusion.

MHz	< 50	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	mm
100	237	474	481	487	494	501	507	514	521	527	534	541	547	554	561	567	mW
50	308	617	625	634	643	651	660	669	677	686	695	703	712	721	729	738	
10	474	948	961	975	988	1001	1015	1028	1041	1055	1068	1081	1095	1108	1121	1135	
1	711	1422	1442	1462	1482	1502	1522	1542	1562	1582	1602	1622	1642	1662	1682	1702	
0.1	948	1896	1923	1949	1976	2003	2029	2056	2083	2109	2136	2163	2189	2216	2243	2269	
0.05	1019	2039	2067	2096	2125	2153	2182	2211	2239	2268	2297	2325	2354	2383	2411	2440	
0.01	1185	2370	2403	2437	2470	2503	2537	2570	2603	2637	2670	2703	2737	2770	2803	2837	

4 Calculated Result

b)2){[Power allowed at numeric threshold for 50 mm in step a)] + [(test separation distance – 50mm)·10]} mW,
for > 1500 MHz and ≤ 6 GHz

Limit: 2.4G (20cm)=96+[(200-50)*10]=1596 mW

b)1){[Power allowed at numeric threshold for 50 mm in step a)] + [(test separation distance– 50 mm)·(f(MHz)/150)]} mW, for 100 MHz to 1500 MHz

c)1)For test separation distances > 50 mm and < 200 mm, the power threshold at the corresponding test separation distance at 100 MHz in step b) is multiplied by [1 + log(100/f(MHz))]

Limit: 13.56MHz (20cm)=[474+(200-50)*(100/150)]*[1+log(100/13.56)]=1072mW

Limit: 125kHz (20cm)=[474+(200-50)*(100/150)]*[1+log(100/0.125)]=2240mW

Radio Access Technology	Prediction Frequency	Output Power	Antenna Gain	Duty Cycle	Tune-Up Time-Averaged Power
	(MHz)	(dBm)	(dBi)	(%)	(dBm)
Bluetooth	2402	6.47	2.9	100	7.00
WiFi	2412	11.0	2.9	100	12.00
NFC	13.56	-50.54	0	/	-50.00
125kHz	0.125	-38.61	0	/	-38.00

Frequency (MHz)	Min. Distance (cm)	Max. Power		Exposure Limit (mW)	Ratio	Result
		(dBm)	(mW)			Pass/Fail
2402	20.00	7.00	5.0119	1596	0.0031	Pass
2412	20.00	12.00	15.8489	1596	0.0099	Pass
13.56	20.00	-50.00	0.0000	1072	0.0000	Pass
0.125	20.00	-38.00	0.0002	2240	0.0000	Pass

Note: 1. Time-Averaged Power=Output Power * Duty Cycle;

2. Ratio= Tune-Up ERP (mW)/ Exposure Limit (mW)

Mode for Simultaneous Multi-band Transmission:

Radio Access Technology	Ratio 1	Ratio 2	Ratio 3	Simultaneous Ratio	Limit	Result
						Pass/Fail
2.4GHz+13.56MHz+0.125kHz	0.0099	0.0000	0.0000	0.0099	1	Pass

Result: Pass