中国认可
国际互认
检测
TESTING
CNAS L4963

MPE REPORT

Report No. 2016SAR308

FCC ID:	2AJPQM2
Applicant:	Shanghai Lexiang Technology Co.,Ltd
Product:	Deepoon VR All-In-One Headset
Model:	DeePoon M2
HW Version:	Ver.A
SW Version:	android 5.1
Issue Date:	2016-10-19

Prepared by: Chen Qiang Reviewed by: Yin Xiaoming Approved by: Sun Guangxu (Technical Manager)

Remark: This report details the results of the testing carried out on the samples specified in this report, the results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report. The report shall not be reproduced except in full, without written approval of the Company.

Standards

Applicable Limit Regulations	**ANSI/IEEE C95.1-2005** Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields. 3 kHz to 300 GHz
Applicable Standard	**FCC RULES 47 CFR2.1091:** Radiofrequency radiation exposure evaluation: mobile device
	865664 D01 SAR Measurement 100 MHz to 6 GHz v01r04
	447498 D01 General RF Exposure Guidance v06
Test Results	Pass

Change History

Version	Change Contents	Author	Date
V1.0	First edition	Chen Qiang	2016-09-22
V2.0	re-list SAR Test Exclusion	Chen Qiang	2016-10-10
V3.0	Revised the Tx0+1 exclusion	Chen Qiang	2016-10-19

Note: The last version will be invalid automatically while the new version is issued.

CONTENTS:

1. Test Laboratory

1.1 Testing Location:

Company: Shanghai Tejet Communications Technology Co., Ltd Testing Center.
Address: Room 6205-6208, Building 6, No.399 Cailun Rd. Zhangjiang Hi-Tech Park, Shanghai, China
Post Code : 210203
Tel: +86-21-61650880
Fax: +86-21-61650881
Website: www.tejet.cn

1.2 Laboratory Environment

Temperature 20° C～ 25 ° C
Relative humidity 20%～70%

1.3 Testing date

Test start date：2016-8-18
Test end date： 2016-9-12

2. Client Information

2.1 Applicant information

Company Name:	Shanghai Lexiang Technology Co.,Ltd
Address:	Room 2189, Building 1, No.151, Chuansha Road, Pudong New District ,Shanghai,China
Contact :	Guojian jiang
Email:	guojian.jiang@deepoon.com
Tel:	0755-27216984
Fax:	0755-27216984

2.2 Manufacturer Information

Company Name:	Shanghai Lexiang Technology Co.,Ltd
Address:	Room 2189, Building 1, No.151, Chuansha Road, Pudong New District ,Shanghai,China
Contact :	Guojian jiang
Email:	guojian.jiang@deepoon.com
Tel:	0755-27216984
Fax:	0755-27216984

3.Equipment Under Test (EUT) and Accessory Equipment (AE)

3.1 Information of EUT

Device type	Initial model
Product name	Deepoon VR All-In-One Headset
Device operation configuration:	
IMEI or S/N	/
Operating mode(s):	2.4GHz: 802.11b/g/n(20M)
	5GHz: 802.11a/n(20M/40M)/ac(20M/40M/80M)

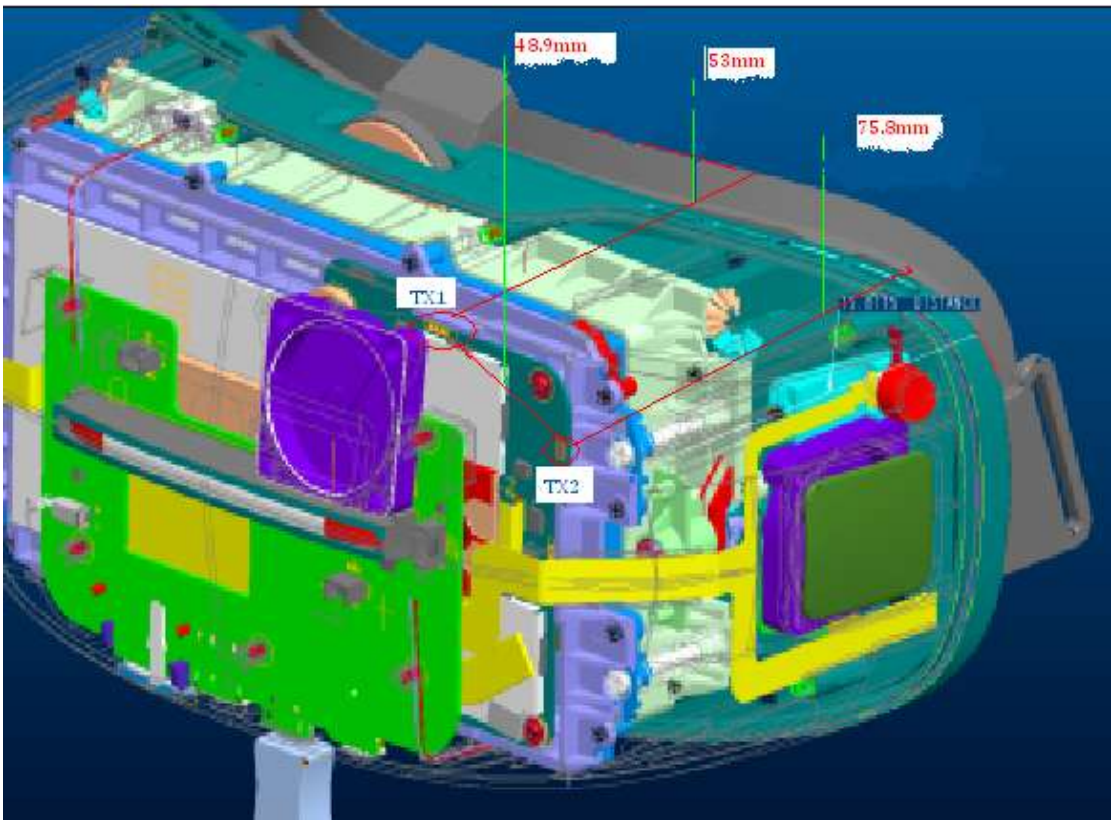
4. Reference Documents

4.1 Reference Documents for testing

The report was carried out on a sample equipment to demonstrate limited compliance with FCC CFR 47 Part 2.1091.
865664 D01 SAR Measurement 100 MHz to 6 GHz v01r04
447498 D01 General RF Exposure Guidance v06
This device is in compliance with Specific Absorption Rate (SAR) for general population/uncontrolled exposure limits(1.6W/kg) specified in ANSI/IEEE C95.1-2005

5. Test Config and Photograph

EUT



Distance of antennas

6. Test Results

6.1 Maximum Target power

Model	ANT1	ANT2	ANT1+2
	Maximum Target power (dBm)	Maximum Target power (dBm)	Maximum Target power (dBm)
BT2450	6	6	/
802.11b	17	17	/
802.11g	15	15	/
802.11n	14	14	14
802.11a(5.2G)	13	13	/
802.11n(5.2G)	13	13	13
802.11ac5.2G)	13	13	13
802.11a(5.8G)	13	13	/
802.11n(5.8G)	13	13	13
802.11ac(5.8G)	13	13	13

Maximum Power

Model	ANT1	ANT2	ANT1+2
	Maximum Target power (mW)	Maximum Target power (mW)	Maximum Target power (mW)
WLAN2450	50.12	50.12	25.12
WLAN 5200	19.95	19.95	19.95
WLAN 5800	19.95	19.95	19.95
BT2450	3.98	3.98	/

According to KDB447498 D01 General RF Exposure Guidance v06

4.3.1 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) {[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

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

Appendix A SAR Test Exclusion Thresholds for 100 MHz – 6 GHz and ≤ 50 mm

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	

Tx1 antenna：

Frequent（MHz）	50mm P(max)（mW）	Maximum Power（mW）	Stand alone SAR（Y/N）
BT2450	96	3.98	N
WLAN2450	96	50.12	N
WLAN 5200	66	19.95	N
WLAN 5800	62	19.95	N

Stand alone SAR is not required.

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	
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	mW
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	

Tx2 antenna：

Frequent（MHz）	70mm P(max)（mW）	Maximum Power（mW）	Stand alone SAR（Y/N）
BT2450	296	3.98	N
WLAN2450	296	50.12	N
WLAN 5200	266	19.95	N
WLAN 5800	262	19.95	N

Stand alone SAR is not required.

6.2 Estimated SAR

According to KDB447498 D01 General RF Exposure Guidance v06

Appendix D Applying Estimated SAR for Simultaneous Transmission SAR Test Exclusion

MHz	10	25	50	100	150	200	mW	
150	0.0	0.0	0.1	0.1	0.2	0.2	387	
300	0.0	0.0	0.1	0.1	0.2	0.3	274	
450	0.0	0.0	0.1	0.2	0.3	0.4	224	
835	0.0	0.1	0.1	0.2	0.4		164	
900	0.0	0.1	0.1	0.3	0.4		158	
1500	0.0	0.1	0.2	0.3			122	50 (mm)
1900	0.0	0.1	0.2	0.4			109	
2450	0.0	0.1	0.2				96	
3600	0.1	0.1	0.3				79	
5100	0.1	0.2	0.3				66	
5400	0.1	0.2	0.3				65	
5800	0.1	0.2	0.3				62	

Tx1&Tx2：

Frequent（MHz）	Maximum Power（mW）	Estimated SAR W/kg	Limit W/kg	PASS/FAIL
2450	50.12	0.200	1.6	PASS
5100	19.95	0.120	1.6	PASS
5800	19.95	0.120	1.6	PASS

Tx1+2：

Frequent（MHz）	Maximum Power（mW）	Estimated SAR W/kg	Limit W/kg	PASS/FAIL
2450(802.11n)	25.12	0.100	1.6	PASS
5100	19.95	0.120	1.6	PASS
5800	19.95	0.120	1.6	PASS

So the limit is kept.

----------END OF REPORT----------