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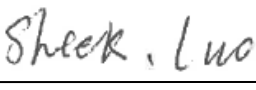
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RF Exposure Evaluation Report

Report No. : CQASZ20190800743E-02
Applicant: ACOUSTMAX INTERNATIONAL CO., LTD
Address of Applicant: Unit D16/F Cheuk Nang Plaza 250 Hennessy Road Wanchai HongKong
Equipment Under Test (EUT):
EUT Name: Monster VISION
All Model No.: MNVISION-15, MNVISION2-15, MNVISIONX-15, MNVISIONC-15
Test Model No.: MNVISION-15
Brand Name: Monster
FCC ID: 2AAIN-MNVISION
Standards: 47 CFR Part 1.1307
47 CFR Part 2.1093
KDB447498D01 General RF Exposure Guidance v06
Date of Receipt: 2019-08-16
Date of Test: 2019-08-16 to 2019-08-27
Date of Issue: 2019-08-28
Test Result : **PASS***

Tested By: 
(Tom Chen)

Reviewed By: 
(Sheek Luo)

Approved By: 
(Jack Ai)



* In the configuration tested, the EUT complied with the standards specified above.

The test report is effective only with both signature and specialized stamp, The result(s) shown in this report refer only to the sample(s) tested. Without written approval of CQA, this report can't be reproduced except in full.

1 Version

Revision History Of Report

Report No.	Version	Description	Issue Date
CQASZ20190800743E-02	Rev.01	Initial report	2019-08-28

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3 General Information

3.1 Client Information

Applicant:	ACOUSTMAX INTERNATIONAL CO., LTD
Address of Applicant:	Unit D16/F Cheuk Nang Plaza 250 Hennessy Road Wanchai HongKong
Manufacturer:	Shenzhen AngSi Technology Co., LTD
Address of Manufacturer:	6/F, Block B, Dingxin Science Park, Hong Lang North No.2 Road , Bao'an District, Shenzhen

3.2 General Description of EUT

Product Name:	Monster VISION
All Model No.:	MNVISION-15, MNVISION2-15, MNVISIONX-15, MNVISIONC-15
Test Model No.:	MNVISION-15
Trade Mark:	Monster
Hardware Version:	1.0
Software Version:	1.0
Operation Frequency:	2402MHz~2480MHz
Bluetooth Version:	V5.0
Modulation Technique:	Frequency Hopping Spread Spectrum(FHSS)
Modulation Type:	GFSK, $\pi/4$ DQPSK
Transfer Rate:	1Mbps/2Mbps
Number of Channel:	79
Hopping Channel Type:	Adaptive Frequency Hopping systems
Product Type:	<input type="checkbox"/> Mobile <input checked="" type="checkbox"/> Portable <input type="checkbox"/> Fix Location
Test Software of EUT:	FCCAssist 2.4 (manufacturer declare)
Antenna Type:	PCB antenna
Antenna Gain:	0dBi
Power Supply:	AC 120V 60Hz or Battery: DC12V, Charge by DC15V
Test Power:	AC 120V 60Hz

Remark:

Model No.: MNVISION-15, MNVISION2-15, MNVISIONX-15, MNVISIONC-15

Only the model MNVISION-15 was tested, since the electrical circuit design, layout, components used and internal wiring were identical for the above models, with difference being color of appearance, pack and model name.

4 SAR Evaluation

4.1 RF Exposure Compliance Requirement

4.1.1 Standard Requirement

According to KDB447498D01 General RF Exposure Guidance v06

4.3.1. Standalone SAR test exclusion considerations

Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied.

4.1.2 Limits

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:

$$\left[\frac{\text{max. power of channel, including tune-up tolerance, mW}}{(\text{min. test separation distance, mm})} \right] \cdot \sqrt{f(\text{GHz})} \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR, where}$$

$f(\text{GHz})$ is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation¹⁷

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

4.1.3 EUT RF Exposure

Measurement Data

GFSK mode				
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power	
			(dBm)	(mW)
Lowest(2402MHz)	-1.150	-1±1	0	1.000
Middle(2441MHz)	-0.920	-1±1	0	1.000
Highest(2480MHz)	-1.280	-1±1	0	1.000
$\pi/4$ DQPSK mode				
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power	
			(dBm)	(mW)
Lowest(2402MHz)	-0.580	0±1	1	1.259
Middle(2441MHz)	-0.420	0±1	1	1.259
Highest(2480MHz)	-0.700	0±1	1	1.259

Worst case: $\pi/4$ DQPSK						
Channel	Maximum Peak Conducted Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune- up Power		Calculated value	Exclusion threshold
			(dBm)	(mW)		
Lowest (2402MHz)	-0.580	0±1	1	1.259	0.39	3.0
Middle (2441MHz)	-0.420	0±1	1	1.259	0.39	
Highest (2480MHz)	-0.700	0±1	1	1.259	0.40	
Conclusion: the calculated value ≤ 3.0 , SAR is exempted.						

Remark: The Max Conducted Peak Output Power data refer to report Report No.: CQASZ20190800743E-01