

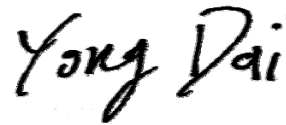




TEST REPORT

Report No.:	E201609264085-7	Application No.:	E201609264085
Applicant:	Harman Automotive Electronic Systems (Suzhou) Co., Ltd.		
Applicant Address:	No.125, Fangzhou Road, SIP, Suzhou, Jiangsu Province		
Sample Description:	Infotainment headunit		
Model:	MKC AU		
Adding Model:	Y015,Y028		
FCC ID:	2ACRLMKCAU		
Test Specification:	FCC Part 2.1093		
Test Date:	2017-04-11 to 2017-05-19		
Issue Date:	2017-05-19		
Test Result:	<i>Pass.</i>		
Prepared By:	Reviewed By:	Approved By:	
Brian Xiao/ Test Engineer	Lynn Xiao / Technical Manager	Yong Dai / Manager	
			
Date:2017-05-19	Date:2017-05-19	Date:2017-05-19	
Other Aspects:			
Abbreviations: <i>ok / P = passed; fail / F = failed; n.a. / N = not applicable</i>			
The test result in this test report refers exclusively to the presented test sample. This report shall not be reproduced except in full, without the written approval of GRGT.			

RF Exposure Compliance Requirement

1. LIMITS

According 447498 D01 General RF Exposure Guidance v05r01 Appendix A

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 section 4.3.1 must be applied to determine SAR test exclusion.

Frequency	Distance(mm)	SAR Test Exclusion Threshold
2450MHz	5	10mW(10dBm)

2. EUT RF Exposure

The EUT had three BT modular, and the modular can work together.

The BT 1 modular Max Conducted Peak Output Power is -10.11dBm in 2441MHz of GFSK, the BT1 antenna gain is 1.1dBi. $EIRP_{BT1} = -9.01\text{dBm}$ (0.126mW)

The BT 2 modular Max Conducted Peak Output Power is 4.08dBm in 2480MHz of GFSK, the BT1 antenna gain is 1.7dBi. $EIRP_{BT2} = 4.78\text{dBm}$ (3.01mW)

The BT 3 modular Max Conducted Peak Output Power is 4.24dBm in 2480MHz of GFSK, the BT1 antenna gain is 3.6dBi. $EIRP_{BT3} = 7.84\text{dBm}$ (6.08mW)

The total $EIRP = EIRP_{BT1} + EIRP_{BT2} + EIRP_{BT3} = 9.216\text{mW}$

SAR requirement : $S = 10\text{mw}$

$EIRP < S$

So the SAR report is not required.