

74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si, Gyeonggi-do, 17383, Rep. of KOREA TEL: +82-31-645-6300 FAX: +82-31-645-6401

FCC MPE REPORT

FCC Certification

Applicant Name:

HYUNDAI MOBIS CO., LTD.

Address:

203, Teheran-ro, Gangnam-gu, Seoul, Korea (135-977)

Date of Issue:

December 28, 2016

Test Site/Location:

HCT CO., LTD., 74,Seoicheon-ro 578beon-gil,Majang-myeo, Icheon-si, Gyeonggi-do, 17383, Rep. of KOREA

Report No.: HCT-R-1612-E027

HCT FRN: 0005866421

FCC ID

: TQ8-ADB10J5GG

APPLICANT

: HYUNDAI MOBIS CO., LTD.

Model(s):

ADB10J5GG

Additional Model(s):

ADB10J5EG, ADB12J5GG, ADB11J5EG, ADB13J5GN, ADB12J5FN,

ADB14J5GE, ADB13J5EE, ADB15J5GL

EUT Type:

Car Audio System

Frequency Range:

2402 MHz - 2480 MHz (Bluetooth)

The measurements shown in this report were made in accordance with the procedures specified in §2.947. I assume full responsibility for the accuracy and completeness of these measurements, and for the qualifications of all persons taking them.

HCT CO., LTD. Certifies that no party to this application has subject to a denial of Federal benefits that includes FCC benefits pursuant to section 5301 of the Anti-Drug Abuse Act of 1998,21 U.S. C.853(a)

Report prepared by

: Seul Ki Lee

Test engineer of RF Team

Approved by

: Jong Seok Lee Manager of RF Team

This report only responds to the tested sample and may not be reproduced, except in full, without written approval of the HCT Co., Ltd.



F-TP22-03 (Rev.00)

Report No.: HCT-R-1612-E027 Model: ADB10J5GG Page 2 of 4

Version

TEST REPORT NO.	DATE	DESCRIPTION
HCT-R-1612-E027	December 28, 2016	- First Approval Report



Report No.: HCT-R-1612-E027 Model: ADB10J5GG Page 3 of 4

RF Exposure Statement

1. LIMITS

According to §1.1310 and §2.1091 RF exposure is calculated.

(B) Limits for General Population/Uncontrolled Exposures

Frequency range	Electric field	Magnetic field	Power density	Averaging time
(MHz)	Strength (V/m)	Strength (A/m)	(mW/cm²)	(minutes)
0.3 - 1.34	614 824/f 27.5	1.63 2.19/f 0.073	*(100) *(180/ f²) 0.2 f/1500 1.0	30 30 30 30 30

F = frequency in MHz

2. MAXIMUM PERMISSIBLE EXPOSURE Prediction

Prediction of MPE limit at a given distance

 $S = PG/4\pi R^2$

S = Power density

P = power input to antenna

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna

F-TP22-03 (Rev.00) 3 / 4 **HCT CO.,LTD.**

^{* =} Plane-wave equivalent power density



Report No.: HCT-R-1612-E027 Model: ADB10J5GG Page 4 of 4

3. RESULTS

BT Only

Max Peak output Power at antenna input terminal	5.975	dBm
Plax I cak output I ower at anterna input terminal	3.373	dDill
Max Peak output Power at antenna input terminal	3.958	mW
Prediction distance	20.000	cm
Prediction frequency	2441.000	MHz
Antenna Gain(typical)	-0.100	dBi
Antenna Gain(numeric)	0.977	ı
Power density at prediction frequency(S)	0.001	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.000	mW/cm ²