

EVALUATION REPORT

Applicant Name: HYUNDAI MOBIS CO., LTD.	Date of Evaluation: March 18, 2019
Address: 203, Teheran-ro, Gangnam-gu, Seoul, 135-977, South Korea	Test Site/Location: HCT CO., LTD., 74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si, Gyeonggi-do, 17383, Rep. of KOREA

FCC ID:	TQ8-ADB14DVGN
APPLICANT:	HYUNDAI MOBIS CO., LTD.

Equipment Class(es) : DSS
 Rule Part(s) : 15
 Application's Statement : The applicant takes full responsibility that the test data referenced below represents compliance for this FCC ID.

Differences
 Brief Description : Bluetooth hardware and software of this device are identical to the implementation in TQ8-ADB10DWAN. The operational description includes detailed information about the changes between the devices. The data from that application has been verified through appropriate spot checks to demonstrate compliance for this device as shown in the summary table below.

Test Reference : KDB 484596 D01 Reference Test Data v01

The detail test data can be found in this documents, Appendix A.

Category	Spot Check	Verdict
Unlicensed EMC	Band Edge	Share
	Spurious Emissions	Share

Reference Detail Section

Reference FCC ID	Equipment Class	Report Title	Original models' test report	Section
TQ8-ADB10DWAN	DSS	BT Test Report	HCT-RF-1812-FI005	All sections



Report prepared by : **Se Wook Park**
 Engineer of Telecommunication testing center



Approved by : **Kwon Jeong**
 Manager of Telecommunication testing center

Appendix A. The Spot check test data

1. Summary of the spot check for Unlicensed EMC

	Test Item	Channel	Measured Frequency (MHz)	ADB10DWKN (dBuV/m)		ADB14DVGN (dBuV/m)		Deviation (dB)	
				Peak	Average	Peak	Average	Peak	Average
BT	Band Edge	DH5 / ch78	2483.5 MHz ~ 2500 MHz	42.43	63.72	34.30	40.60	8.13	23.12
	RSE	DH5/ ch 0	7206 MHz	43.18	57.52	35.83	50.63	7.35	6.89

2. List of test equipment for Unlicensed EMC

Manufacturer	Model / Equipment	Calibration Date	Calibration Interval	Serial No.
Innco system	CO3000 / Controller(Antenna mast)	N/A	N/A	CO3000-4p
Innco system	MA4640/800-XP-EP / Antenna Position Tower	N/A	N/A	N/A
Emco	2090 / Controller	N/A	N/A	060520
Ets	Turn Table	N/A	N/A	N/A
Rohde & Schwarz	Loop Antenna	08/23/2018	Biennial	1513-175
Schwarzbeck	VULB 9160 / Hybrid Antenna	08/09/2018	Biennial	3368
Schwarzbeck	BBHA 9120D / Horn Antenna	11/21/2017	Biennial	9120D-1191
Schwarzbeck	BBHA9170 / Horn Antenna(15 GHz ~ 40 GHz)	12/04/2017	Biennial	BBHA9170541
Rohde & Schwarz	FSP(9 kHz ~ 30 GHz) / Spectrum Analyzer	09/19/2018	Annual	836650/016
Rohde & Schwarz	FSV40-N / Spectrum Analyzer	09/19/2018	Annual	101068-SZ
Wainwright Instruments	WHKX10-2700-3000-18000-40SS / High Pass Filter	01/03/2019	Annual	4
Wainwright Instruments	WHKX8-6090-7000-18000-40SS / High Pass Filter	01/03/2019	Annual	5
Wainwright Instruments	WRCJV2400/2483.5-2370/2520-60/12SS / Band Reject Filter	06/29/2018	Annual	2
Wainwright Instruments	WRCJV5100/5850-40/50-8EEK / Band Reject Filter	01/03/2019	Annual	2
Api tech.	18B-03 / Attenuator (3 dB)	06/07/2018	Annual	2
WEINSCHTEL	56-10 / Attenuator(10 dB)	10/10/2018	Annual	72316
CERNEX	CBLU1183540B-01/Broadband Bench Top LNA	01/03/2019	Annual	28549
CERNEX	CBL06185030 / Broadband Low Noise Amplifier	01/03/2019	Annual	24615
CERNEX	CBL18265035 / Power Amplifier	01/03/2019	Annual	22966
CERNEX	CBL26405040 / Power Amplifier	06/29/2018	Annual	25956
TESCOM	TC-3000C / Bluetooth Tester	03/27/2018	Annual	3000C000276