

# TEST REPORT



**DT&C Co., Ltd.**

42, Yurim-ro, 154beon-gil, Cheoin-gu, Yongin-si, Gyeonggi-do, Korea 17042  
Tel : 031-321-2664, Fax : 031-321-1664

1. Report No. : DREFCC2210-0183

2. Client / Applicant

• Name : KYOCERA Corporation

• Address : Yokohama Office 2-1-1 Kagahara, Tsuzuki-ku Yokohama-shi, Kanagawa, Japan

3. Use of Report : Grant of Certification

4. Product Name / Model Name : Mobile Phone / EB1136  
(FCC ID : JOYEB1136)

5. Test Standard : ANSI C63.4:2014  
FCC Part 15 Subpart B  
(Other Class B digital devices & peripherals)

6. Date of Test : Oct. 28. 2022

7. Location of Test :  Permanent Testing Lab  On Site Testing  
(Address : Refer to the attached)

8. Testing Environment : Temperature (21) °C , Humidity (44) % R.H.

9. Test Result : Refer to the attached Test Result

The results shown in this test report refer only to the sample(s) tested unless otherwise stated.  
KS Q ISO / IEC 17025 and KOLAS accreditation.  
This laboratory is not accredited for the test results marked. " \* "

Affirmation	Tested by	Reviewed by
	Name : JunSeo Park 	Name : HyungJun Kim 

The above test report is the accredited test result by Korea Laboratory Accreditation Scheme, which signed the ILAC-MRA.

**Oct. 28. 2022**

**DT&C Co., Ltd.**  
Accredited by KOLAS, Republic of KOREA

If this report is required to confirmation of authenticity, please contact to [report@dtnc.net](mailto:report@dtnc.net)

## CONTENTS

<b>1. General Remarks</b> .....	3
<b>2. Test Laboratory</b> .....	3
<b>3. General Information of EUT</b> .....	4
<b>4. EUT Operations and Test Configurations</b> .....	5
4.1 Principle of Configuration Selection .....	5
4.2 EUT Operation Mode .....	5
4.3 Test Configuration Mode .....	5
4.4 Supported Equipment .....	6
4.5 EUT In/Output Port .....	6
4.6 Test Voltage and Frequency .....	6
<b>5. Test Summary</b> .....	7
<b>6. Test Environment</b> .....	7
<b>7. Test Results : Emission</b> .....	8
7.1 Conducted Disturbance .....	8
7.2 Radiated Disturbance .....	10
<b>9. Revision History</b> .....	22

## 1. General Remarks

This report contains the result of tests performed by :

**DT&C Co., Ltd.**

42, Yurim-ro, 154beon-gil, Cheoin-gu, Yongin-si, Gyeonggi-do, Korea 17042

<http://www.dtnet.net>

Tel: +82-31-321-2664 Fax: +82-31-321-1664

## 2. Test Laboratory

### Address of Laboratory

<input type="checkbox"/>	Branch site	42, Yurim-ro 154beon-gil, Cheoin-gu, Yongin-si, Gyeonggi-do, Republic of Korea (Ujeong-dong)
<input type="checkbox"/>	Satellite facilities-1	42, Yurim-ro 154beon-gil, Cheoin-gu, Yongin-si, Gyeonggi-do, Republic of Korea (Mirae-dong)
<input checked="" type="checkbox"/>	Satellite facilities-2	38, Yurim-ro 154beon-gil, Cheoin-gu, Yongin-si, Gyeonggi-do, Republic of Korea (Changui-dong, Yeoljeong-dong)
<input type="checkbox"/>	Satellite facilities-3	28, Baengnyeong-ro 20beon-gil, Cheoin-gu, Yongin-si, Gyeonggi-do, Republic of Korea (Key Industries Certification Center, Technology Convergence Center)

DT&C Co., Ltd. has been accredited / filed / authorized by the agencies listed in the following table;

Certificate	Nation	Agency	Code	Remark
Accreditation	Korea	KOLAS	393	ISO/IEC 17025
	South Africa	SABS	0006	ISO/IEC 17025
	Ghana	NCA	NCA agreement 23rd,Oct,2018	-
Site Filing	USA	FCC	KR0034	Designation
	Canada	IC	KR0034	Designation
	Japan	VCCI	C-11427, R-13385, R-14076, R-14180, R-14496, T-11442, G-10338, G-10754, G-10815, G-20051	Registered
Certification	Korea	KC	KR0034	Designation
	Germany	TUV	CARAT 089112 0009 Rev.00	ISO/IEC 17025
	Russia	RMRS	22.03.01.01196.296	ISO/IEC 17025

Quality control in the testing laboratory is implemented as per ISO/IEC 17025 which is the "General requirements for the competent of calibration and testing laboratory".

### 3. General Information of EUT

Applicant	KYOCERA Corporation Yokohama Office 2-1-1 Kagahara, Tsuzuki-ku Yokohama-shi, Kanagawa, Japan
Manufacturer	KYOCERA Corporation Yokohama Office 2-1-1 Kagahara, Tsuzuki-ku Yokohama-shi, Kanagawa, Japan
Factory	KYOCERA Corporation Yokohama Office 2-1-1 Kagahara, Tsuzuki-ku Yokohama-shi, Kanagawa, Japan
Product Name	Mobile Phone
Model Name	EB1136
Add Model Name	None
Add Model difference	None
Software Version	0.090GC.0015.a
Hardware Version	DMT1
Maximum Internal Frequency	2.001 GHz
Rated Power	DC 3.8 V
FCC ID	JOYEB1136
Remarks	None

**Related Submittal(s) / Grant(s)**  
**Original submittal only**

## 4. EUT Operations and Test Configurations

### 4.1 Principle of Configuration Selection

**Emission :**

The equipment under test (EUT) was configured to measure its highest possible radiation level. The test modes were adapted accordingly in reference to the instructions for use. For each testing mode different configurations were used, Refer to the individual tests.

### 4.2 EUT Operation Mode

No.	Mode	Description
1	FM	FM receiving mode(VHF)

### 4.3 Test Configuration Mode

No.	Mode	Description
1	FM	EUT is connected to the Broadcast Test Center and is receiving radio frequency. and continuously output audio signal. EUT is connected to the USB C to 3.5 mm. USB C to 3.5 mm is connected to the Earphone.

#### 4.4 Supported Equipment

Used*	Product Type	Manufacturer	Model	Remarks
AE	Earphone	N/A	N/A	N/A
AE	USB C to 3.5 mm	N/A	N/A	N/A

\*Abbreviations:  
 AE - Auxiliary/Associated Equipment, or  
 SIM - Simulator

#### 4.5 EUT In/Output Port

Name	Type*	Cable Max. >3m	Cable Shielded	Cable Back shell	Remarks
USB C to 3.5 mm	I/O	0.1	Shielded	Plastic	N/A
Earphone	I/O	1.2	Non Shielded	Plastic	N/A

\*Abbreviations:  
 AC = AC Power Port      DC = DC Power Port      N/E = Non-Electrical  
 I/O = Signal Input or Output Port      GND = Ground  
 TP = Telecommunication Ports

#### 4.6 Test Voltage and Frequency

Case	Voltage (V)	Frequency (Hz)	Phases	Remarks
1	DC 3.8	-	-	Battery

## 5. Test Summary

Test Items	Applied Standards	Results
Conducted Disturbance	ANSI C63.4:2014	N/A (Note 1)
Radiated Disturbance	ANSI C63.4:2014	C
C=Comply    N/C=Not Comply    N/T=Not Tested    N/A=Not Applicable		
Note 1) This test was not required because EUT was used DC power.		

The data in this test report are traceable to the national or international standards.

-Conducted Disturbance

Frequency [MHz]	Phase	Result [dB $\mu$ V]	Detector	Limit [dB $\mu$ V]	Margin [dB]
-	-	-	-	-	-

-Radiated Disturbance

Frequency [MHz]	Pol.	Result [dB $\mu$ V/m]	Detector	Limit [dB $\mu$ V/m]	Margin [dB]
5038.004	H	35.94	Cispr - Average	54.00	18.06

## 6. Test Environment

Test Items	Test date (YYYY-MM-DD)	Temp. (°C)	Humidity (% R.H.)	Pressure (kPa)
Radiated Disturbance	2022-10-28	21	44	-

## 7. Test Results : Emission

### 7.1 Conducted Disturbance

ANSI C63.4	Mains terminal disturbance voltage		Result
Method: The AMN placed 0,8 m from the boundary of the unit under test and bonded to a ground reference plane. This distance was between the closest points of the AMN and the EUT. All other units of the EUT and associated equipment were at least 0,8 m from the AMN. All power was connected to the system through Artificial Mains Network (AMN). Conducted voltage measurements on mains lines were made at the output of the AMN. The measuring port of the LISN for EUT was connected to spectrum analyzer. Using conducted emission test software, the emissions were scanned with peak detector mode. After scanning over the frequency range, suspected emissions were selected to perform final measurement. When performing final measurement, the receiver was used which has Quasi-Peak detector and CISPR Average detector. For (0.15 ~ 30) MHz frequency range, Quasi-Peak detector with 10 kHz RBW and 30 kHz VBW was used. By varying the configuration of the test sample and the cable routing it was attempted to maximize the emission.			<b>Not Applicable</b>
Fully configured sample scanned over the following frequency range	Frequency range on each side of line	Measurement Point	
	150 kHz to 30 MHz	Mains	
EUT mode (Refer to clauses 4)	Test configuration mode	N/A	
	EUT Operation mode	N/A	
	Power interface mode	N/A	
<b>Limits – Class A</b>			
Frequency (MHz)	Limit dB $\mu$ V		
	Quasi-Peak	Average	
0.15 to 0.50	79	66	
0.50 to 30	73	60	
<b>Limits – Class B</b>			
Frequency (MHz)	Limit dB $\mu$ V		
	Quasi-Peak	Average	
0.15 to 0.50	66 to 56	56 to 46	
0.50 to 5	56	46	
5 to 30	60	50	

Measurement Instrument					
Description	Model	Manufacturer	Identifier	Cal. Date	Cal. Due
-	-	-	-	-	-

#### Calculation

N : Neutral phase, L1 : Live phase
C.FACTOR(dB) : Pulse Limiter(dB) + Cable loss(dB) + Insertion loss of LISN(dB)
Result(dB $\mu$ V) : Reading Value(dB $\mu$ V) + C.FACTOR(dB)
Margin(dB) : Limit(dB $\mu$ V) - Result(dB $\mu$ V)



<b>Mains terminal disturbance voltage _ Measurement data</b>			
<b>Test configuration mode</b>	<b>N/A</b>	<b>EUT Operation mode</b>	<b>N/A</b>
<b>Test voltage (V)</b>	<b>N/A</b>	<b>Test Frequency (Hz)</b>	<b>N/A</b>

## 7.2 Radiated Disturbance

ANSI C63.4	Radiated disturbance 30 MHz – XX GHz			Result
Method: Preliminary (peak) measurements were performed at an antenna to EUT separation distance of 10 or 3 meter below 1GHz and 3 meter above 1GHz. The EUT was rotated 360° about its azimuth with the receive antenna located at various heights in horizontal and vertical polarities. Final measurements were then performed by rotating the EUT 360° and adjusting the receive antenna height from 1 to 4 m. All frequencies were investigated in both horizontal and vertical antenna polarity, where applicable. For final measurement below 1 GHz frequency range, Quasi-Peak detector with (RBW = 120 kHz Bandwidth) was used. For final measurement above 1 GHz frequency range, Peak detector with (RBW = 1 MHz Bandwidth) and CISPR Average detector with (RBW = 1 MHz Bandwidth) were used.				Comply
EUT mode (Refer to clauses 4)	Test configuration mode		1	
	EUT Operation mode		1	
	Power interface mode		1	
<b>Radiated Disturbance below 1 000 MHz</b>				
Frequency range (MHz)	Quasi-peak limit dB $\mu$ V/m			
	Class A		Class B	
	3 m distance	10 m distance	3 m distance	
30 to 88	49.1	39.1	40	
88 to 216	53.5	43.5	43.5	
216 to 960	56.4	46.4	46	
960 to 1 000	59.5	49.5	54	
According to 15.109(g), as an alternative to the radiated emission limit shown above, digital devices may be shown to comply with the standards(CISPR), Pub. 22 shown as below.				
Frequency range (MHz)	Quasi-peak limit dB $\mu$ V/m			
	Class A (10 m distance)		Class B (10 m distance)	
	30 to 230		30	
230 to 1 000		37		
<b>Radiated Disturbance for above 1 000 MHz at a measurement distance of 3 m</b>				
Frequency range (GHz)	Peak limit dB $\mu$ V/m		Average limit dB $\mu$ V/m	
	Class A	Class B	Class A	Class B
	1 to 40	80	74	60
<b>The test frequency range of Radiated Disturbance measurements are listed below.</b>				
Highest frequency generated or used in the device or on which the device operates or tunes (MHz)			Upper frequency of measurement range (MHz)	
Below 108			1 000	
108 – 500			2 000	
500 – 1 000			5 000	
Above 1 000			5 <sup>th</sup> harmonic of the highest frequency or 40 GHz, whichever is lower	

Measurement Instrument					
Description	Model	Manufacturer	Identifier	Cal. Date	Cal. Due
MEASUREMENT SOFTWARE	EMI-R VER. 2.00.0177	TSJ	N/A	N/A	N/A
EMI TEST RECEIVER	ESU40	ROHDE&SCHWARZ	100525	2021.11.30	2022.11.30
TRILOG BROADBAND TEST-ANTENNA	VULB9160	SCHWARZBECK	9160-3363	2022.09.29	2024.09.29
LOW NOISE PRE AMPLIFIER	MLA-100K01-B01-26	TSJ	1252741	2022.02.08	2023.02.08
6 dB ATTENUATOR	2708A	HP	23831	2022.09.29	2024.09.29
BROAD-BAND HORN ANTENNA	BBHA 9120D	SCHWARZBECK	9120D-1014	2022.08.02	2023.08.02
PRE AMPLIFIER	8449B	H.P	3008A00887	2022.08.24	2023.08.24
HORN ANTENNA	EM-6969	ELECTRO-METRICS	156	2021.12.23	2022.12.23
PREAMPLIFIER	MLA-0618-B03-34	TSJ	1785642	2021.12.21	2022.12.21
BROADCAST TEST CENTER	BTC	ROHDE&SCHWARZ	100253	2022.02.08	2023.02.08

(NOTE : THE MEASUREMENT ANTENNAS WERE CALIBRATED IN ACCORDANCE TO THE REQUIREMENTS OF C63.5-2017.)

### Calculation

Result(dBuV/m) : Reading Value(dBuV) + Cable loss(dB) - Pre amplifier gain(dB) + Ant. Factor(dB)
Margin : Limit(dBuV/m) - Result(dBuV/m)

Radiated disturbance at (30 ~ 1 000) MHz _Measurement data			
Test configuration mode	1	EUT Operation mode	1
Test voltage (V)	Battery	Test Frequency (Hz)	-
FCC Part 15 Subpart B			

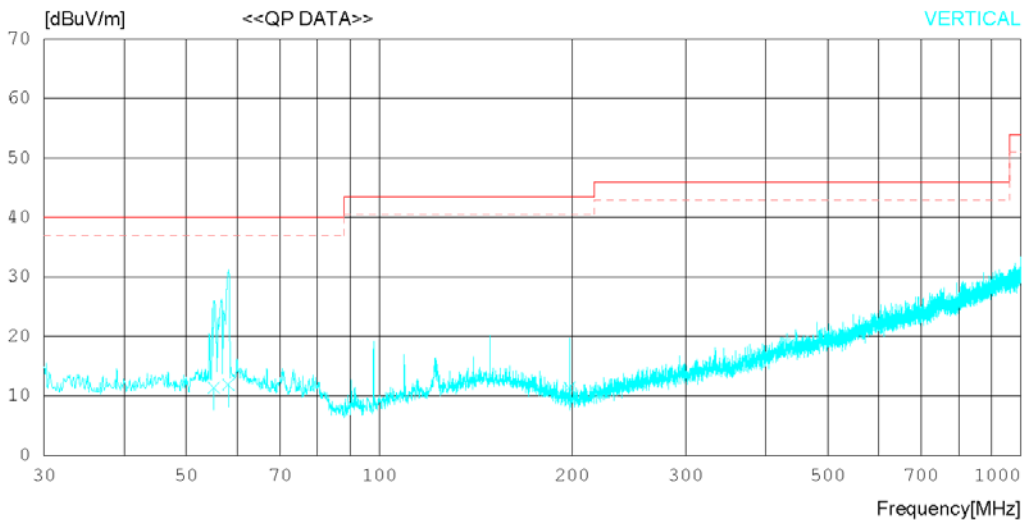
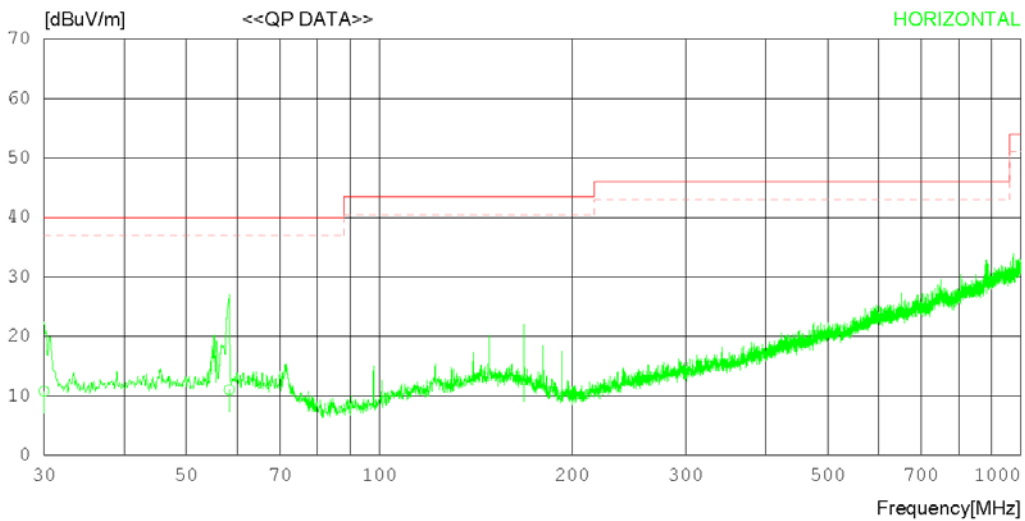
Date 2022-10-28 16:07

Order No. DTNC2209-09892  
 Power Supply Battery  
 Temp/Humi 21 °C 44 % R.H.  
 Test Condition FM

Memo

LIMIT : FCC Part15 Subpart.B Class B (3m)  
 MARGIN: 3 dB

- Antenna Factor  
 1. ANT\_EMC-309\_VULB9160\_3363\_with ATT\_2022-09-29  
 Cable Loss  
 1. C1\_ANT TO BOTTOM\_UNDER\_2022.02.18  
 2. C2\_AMP TO BOTTOM\_UNDER\_2022.02.18  
 3. C3\_AMP TO RECEIVER\_UNDER\_2022.02.18  
 Pre Amp Gain  
 1. EMC-110\_AMP\_MLA-100K01-B01-26\_1252741\_2022.02.08



Order No. DTNC2209-09892  
 Power Supply Battery  
 Temp/Humi 21 °C 44 % R.H.  
 Test Condition FM

Memo

LIMIT : FCC Part15 Subpart.B Class B (3m)  
 MARGIN: 3 dB

Antenna Factor

1. ANT\_EMC-309\_VULB9160\_3363\_with ATT\_2022-09-29

Cable Loss

1. C1\_ANT TO BOTTOM\_UNDER\_2022.02.18
2. C2\_AMP TO BOTTOM\_UNDER\_2022.02.18
3. C3\_AMP TO RECEIVER\_UNDER\_2022.02.18

Pre Amp Gain

1. EMC-110\_AMP\_MLA-100K01-B01-26\_1252741\_2022.02.08

No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- HORIZONTAL -----										
1	30.000	19.60	17.00	0.85	26.70	10.75	40.00	29.25	132	45
2	58.322	18.70	17.77	1.17	26.65	10.99	40.00	29.01	350	12
3	167.979	19.50	18.22	1.96	27.00	12.68	43.50	30.82	113	124
----- VERTICAL -----										
4	55.220	18.90	18.00	1.14	26.63	11.41	40.00	28.59	344	78
5	58.130	19.60	17.79	1.17	26.65	11.91	40.00	28.09	220	113
6	197.806	20.30	15.93	2.17	27.00	11.40	43.50	32.10	134	350

Radiated disturbance at (1 ~ 6) GHz _Peak Measurement data			
Test configuration mode	1	EUT Operation mode	1
Test voltage (V)	Battery	Test Frequency (Hz)	-

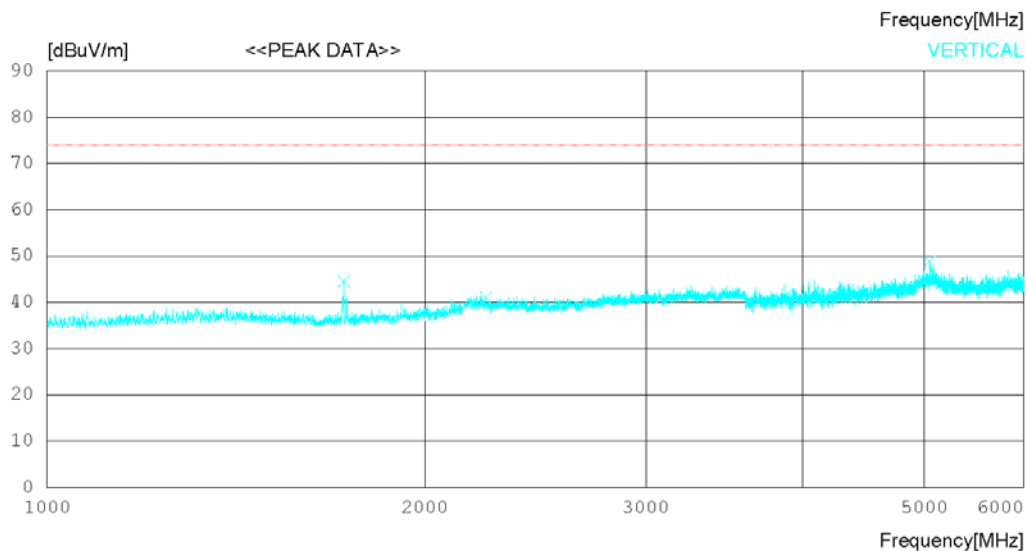
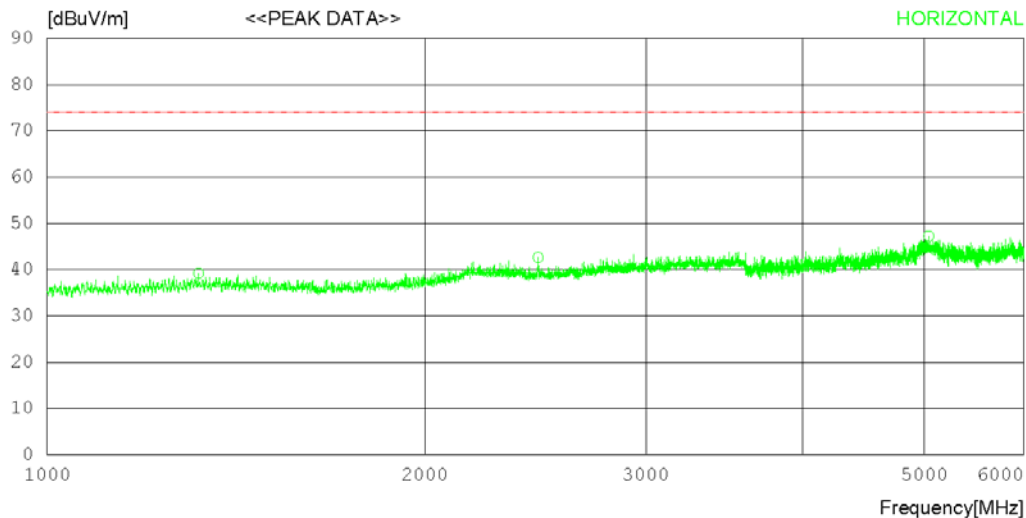
Date 2022-10-28 15:52

Order No. DTNC2209-09892  
 Power Supply Battery  
 Temp/Humi 21 'C 44 % R.H.  
 Test Condition FM

Memo

LIMIT : FCC Part15 Subpart.B Class B (3m) - GHz(Peak)  
 FCC Part15 Subpart.B Class B (3m) - GHz(Peak)

Antenna Factor  
 1. ANT\_9120D\_1014\_22.08.02  
 Cable Loss  
 1. #27\_C1\_Ant to Bottom\_3m\_1-18G\_2022-09-15  
 2. #28\_C2\_Bottom to Amp(Filter,Receiver)\_3m\_1-18G\_2022-09-15  
 3. #29\_C3\_Amp to Receiver\_3m\_1-18G\_2022-09-15  
 Pre Amp Gain  
 1. AMP\_8449B\_3008A00887\_2022.08.24



Order No. DTNC2209-09892  
 Power Supply Battery  
 Temp/Humi 21 °C 44 % R.H.  
 Test Condition FM

Memo

LIMIT : FCC Part15 Subpart.B Class B (3m) - GHz(Peak)  
 FCC Part15 Subpart.B Class B (3m) - GHz(Peak)

Antenna Factor

1. ANT\_9120D\_1014\_22.08.02

Cable Loss

1. #27\_C1\_Ant to Bottom\_3m\_1-18G\_2022-09-15

2. #28\_C2\_Bottom to Amp(Filter,Receiver)\_3m\_1-18G\_2022-09-15

3. #29\_C3\_Amp to Receiver\_3m\_1-18G\_2022-09-15

Pre Amp Gain

1. AMP\_8449B\_3008A00887\_2022.08.24

No.	FREQ [MHz]	READING PEAK [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- HORIZONTAL -----										
1	1320.625	44.90	26.20	3.93	35.81	39.22	74.0	34.78	322	108
2	2461.250	45.30	27.42	5.10	35.15	42.67	74.0	31.33	124	358
3	5038.750	41.50	31.96	8.58	34.80	47.24	74.0	26.76	113	32
----- VERTICAL -----										
4	1723.125	50.50	25.19	4.34	35.45	44.58	74.0	29.42	241	185
5	2237.500	43.40	28.00	4.88	35.18	41.10	74.0	32.9	305	217
6	5046.875	43.10	31.99	8.53	34.80	48.82	74.0	25.18	305	180

Radiated disturbance at (1 ~ 6) GHz _Average Measurement data			
Test configuration mode	1	EUT Operation mode	1
Test voltage (V)	Battery	Test Frequency (Hz)	-

Date 2022-10-28 15:52

Order No. DTNC2209-09892  
 Power Supply Battery  
 Temp/Humi 21 °C 44 % R.H.  
 Test Condition FM

## Memo

LIMIT : FCC Part15 Subpart.B Class B (3m) - GHz(Average)  
 FCC Part15 Subpart.B Class B (3m) - GHz(Average)

## Antenna Factor

1. ANT\_9120D\_1014\_22.08.02

## Cable Loss

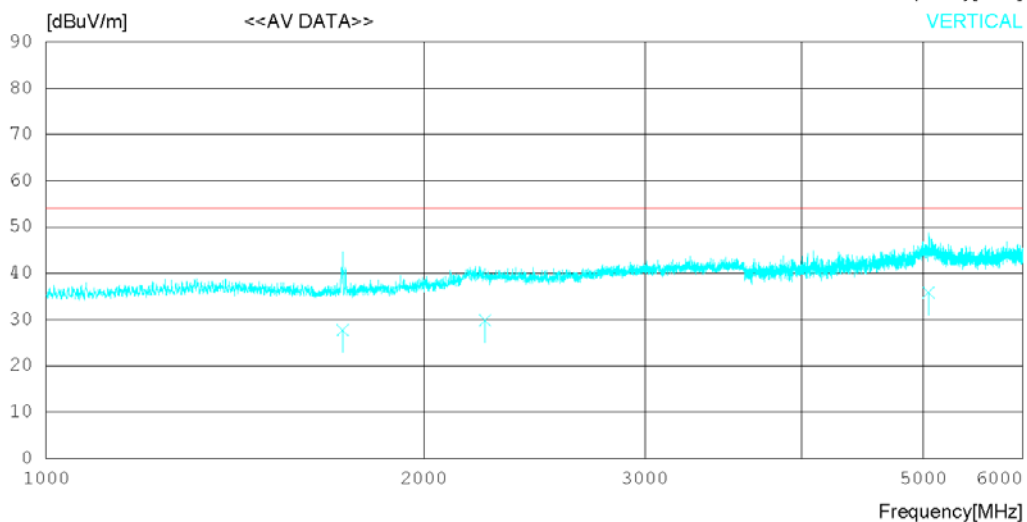
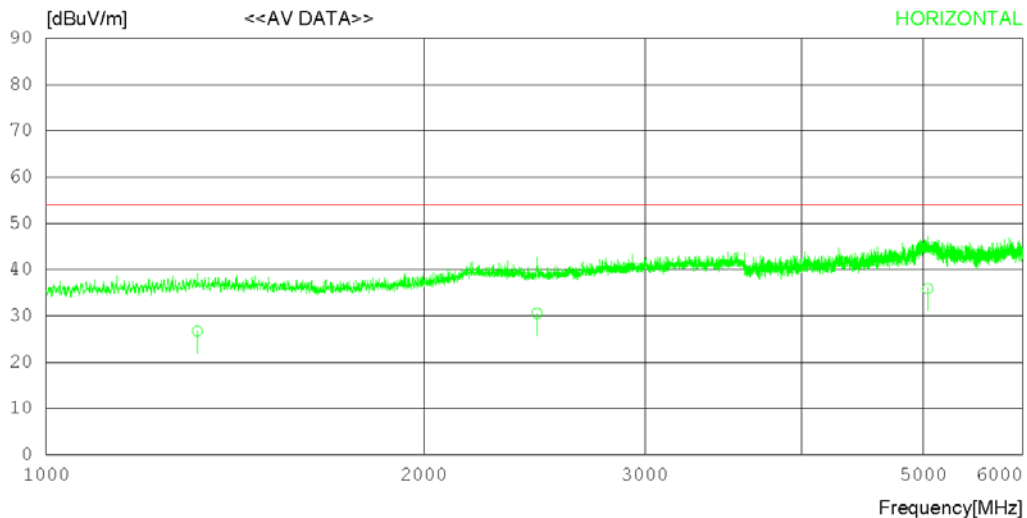
1. #27\_C1\_Ant to Bottom\_3m\_1-18G\_2022-09-15

2. #28\_C2\_Bottom to Amp(Filter,Receiver)\_3m\_1-18G\_2022-09-15

3. #29\_C3\_Amp to Receiver\_3m\_1-18G\_2022-09-15

## Pre Amp Gain

1. AMP\_8449B\_3008A00887\_2022.08.24





Date 2022-10-28 15:52

Order No. DTNC2209-09892  
 Power Supply Battery  
 Temp/Humi 21 °C 44 % R.H.  
 Test Condition FM

Memo

LIMIT : FCC Part15 Subpart.B Class B (3m) - GHz(Average)  
 FCC Part15 Subpart.B Class B (3m) - GHz(Average)

Antenna Factor

- 1. ANT\_9120D\_1014\_22.08.02
- Cable Loss
- 1. #27\_C1\_Ant to Bottom\_3m\_1-18G\_2022-09-15
- 2. #28\_C2\_Bottom to Amp(Filter,Receiver)\_3m\_1-18G\_2022-09-15
- 3. #29\_C3\_Amp to Receiver\_3m\_1-18G\_2022-09-15
- Pre Amp Gain
- 1. AMP\_8449B\_3008A00887\_2022.08.24

No.	FREQ [MHz]	READING CAV [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- HORIZONTAL -----										
1	1320.090	32.40	26.20	3.93	35.81	26.72	54.00	27.28	123	108
2	2460.998	33.20	27.42	5.10	35.15	30.57	54.00	23.43	134	358
3	5038.004	30.20	31.95	8.59	34.80	35.94	54.00	18.06	223	32
----- VERTICAL -----										
4	1723.127	33.60	25.19	4.34	35.45	27.68	54.00	26.32	350	185
5	2236.972	32.10	28.00	4.88	35.18	29.80	54.00	24.20	244	217
6	5046.241	30.10	31.98	8.54	34.80	35.82	54.00	18.18	145	180

Radiated disturbance at (6 ~ 18) GHz _Peak Measurement data			
Test configuration mode	1	EUT Operation mode	1
Test voltage (V)	Battery	Test Frequency (Hz)	-

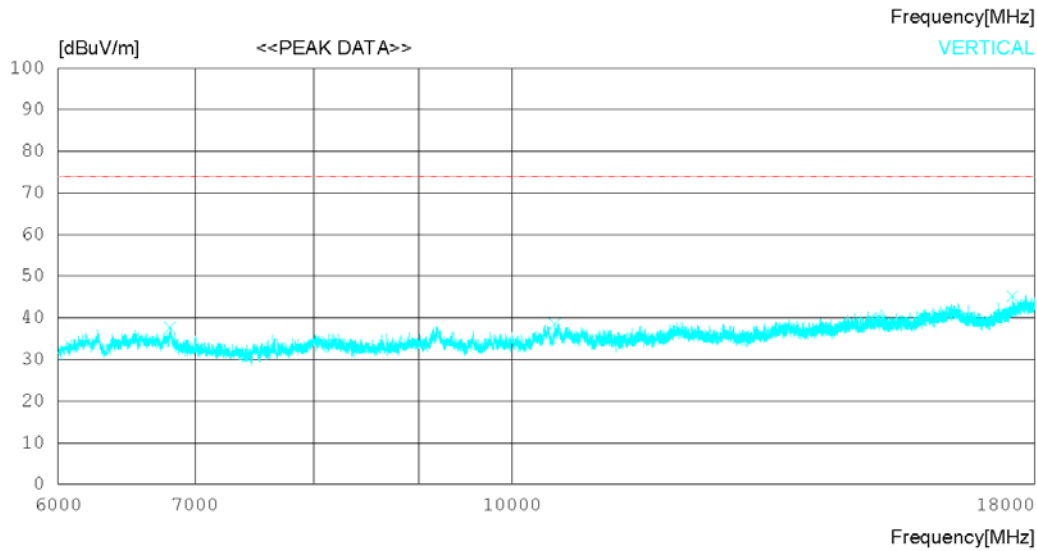
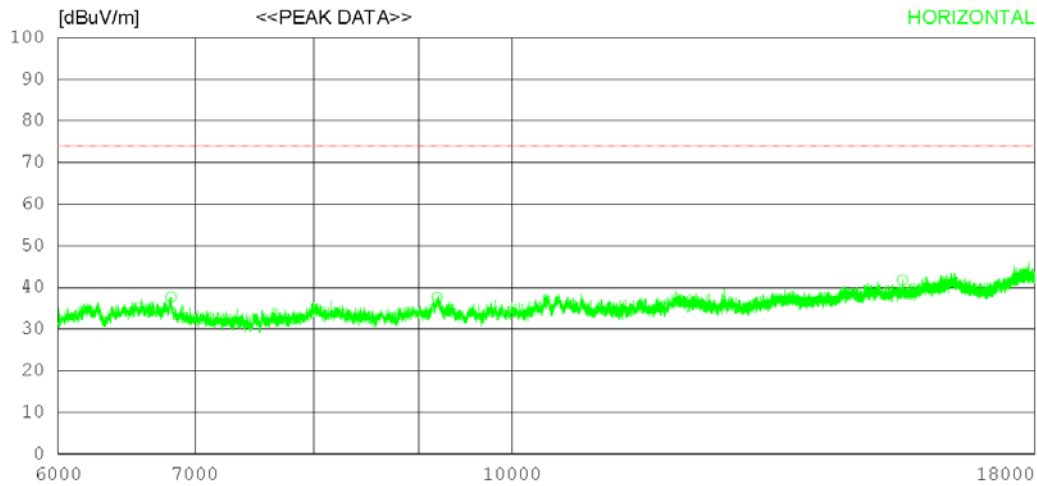
Date 2022-10-28 15:39

Order No. DTNC2209-09892  
 Power Supply Battery  
 Temp/Humi 21 °C 44 % R.H.  
 Test Condition FM

Memo

LIMIT : FCC Part15 Subpart.B Class B (3m) - GHz(Peak)  
 FCC Part15 Subpart.B Class B (3m) - GHz(Peak)

Antenna Factor  
 1. EMC-233-A\_EM-6969\_156\_2021.12.23  
 Cable Loss  
 1. #27\_C1\_Ant to Bottom\_3m\_1-18G\_2022-09-15  
 2. #28\_C2\_Bottom to Amp(Filter,Receiver)\_3m\_1-18G\_2022-09-15  
 Pre Amp Gain  
 1. EMC-233-M\_MLA-0618-B03-34\_2021.12.21



Date 2022-10-28 15:39

Order No. DTNC2209-09892  
 Power Supply Battery  
 Temp/Humi 21 °C 44 % R.H.  
 Test Condition FM

Memo

LIMIT : FCC Part15 Subpart.B Class B (3m) - GHz(Peak)  
 FCC Part15 Subpart.B Class B (3m) - GHz(Peak)

Antenna Factor

1. EMC-233-A\_EM-6969\_156\_2021.12.23

Cable Loss

1. #27\_C1\_Ant to Bottom\_3m\_1-18G\_2022-09-15

2. #28\_C2\_Bottom to Amp(Filter,Receiver)\_3m\_1-18G\_2022-09-15

Pre Amp Gain

1. EMC-233-M\_MLA-0618-B03-34\_2021.12.21

No.	FREQ [MHz]	READING PEAK [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- HORIZONTAL -----										
1	6813.750	37.70	31.20	8.04	39.23	37.71	74.0	36.29	234	358
2	9187.500	34.50	31.80	9.83	38.47	37.66	74.0	36.34	120	358
3	15508.500	30.60	35.60	13.15	37.58	41.77	74.0	32.23	355	187
----- VERTICAL -----										
4	6806.250	37.60	31.20	8.05	39.23	37.62	74.0	36.38	122	335
5	10490.250	34.70	32.50	9.88	38.53	38.55	74.0	35.45	214	358
6	17555.250	31.50	36.90	14.88	38.02	45.26	74.0	28.74	341	0

Radiated disturbance at (6 ~ 18) GHz _Average Measurement data			
Test configuration mode	1	EUT Operation mode	1
Test voltage (V)	Battery	Test Frequency (Hz)	-

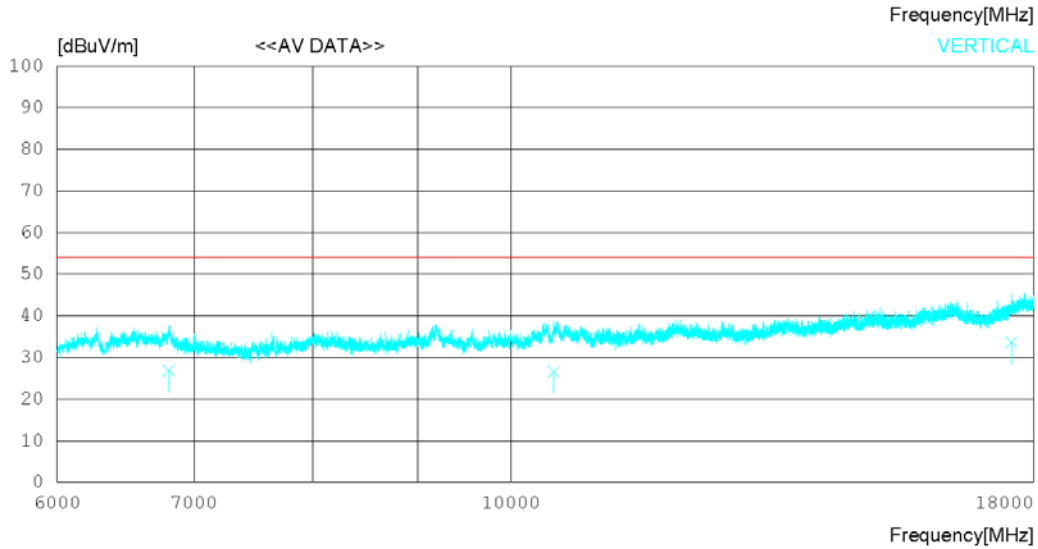
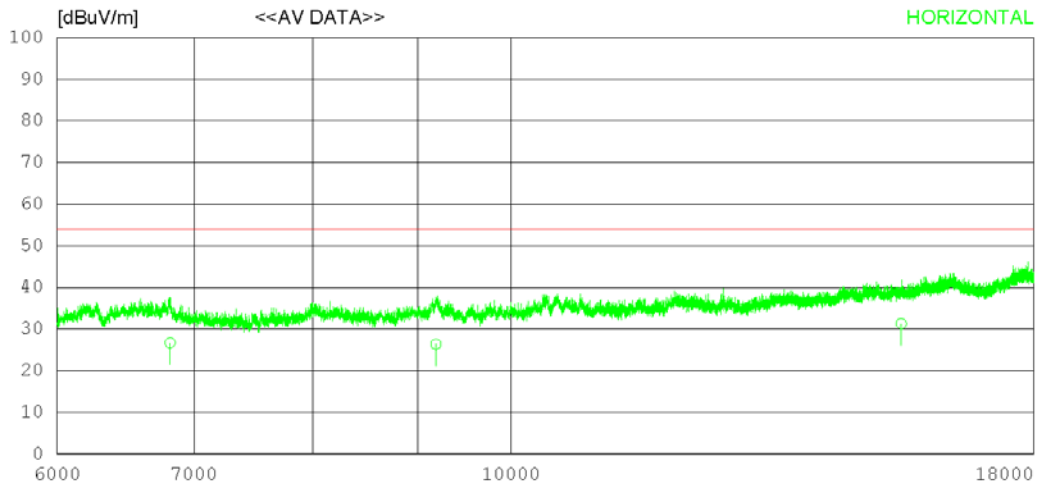
Date 2022-10-28 15:39

Order No. DTNC2209-09892  
 Power Supply Battery  
 Temp/Humi 21 °C 44 % R.H.  
 Test Condition FM

Memo

LIMIT : FCC Part15 Subpart.B Class B (3m) - GHz(Average)  
 FCC Part15 Subpart.B Class B (3m) - GHz(Average)

- Antenna Factor  
 1. EMC-233-A\_EM-6969\_156\_2021.12.23  
 Cable Loss  
 1. #27\_C1\_Ant to Bottom\_3m\_1-18G\_2022-09-15  
 2. #28\_C2\_Bottom to Amp(Filter,Receiver)\_3m\_1-18G\_2022-09-15  
 Pre Amp Gain  
 1. EMC-233-M\_MLA-0618-B03-34\_2021.12.21



Order No. DTNC2209-09892  
 Power Supply Battery  
 Temp/Humi 21 °C 44 % R.H.  
 Test Condition FM

Memo

LIMIT : FCC Part15 Subpart.B Class B (3m) - GHz(Average)  
 FCC Part15 Subpart.B Class B (3m) - GHz(Average)

Antenna Factor

1. EMC-233-A\_EM-6969\_156\_2021.12.23

Cable Loss

1. #27\_C1\_Ant to Bottom\_3m\_1-18G\_2022-09-15

2. #28\_C2\_Bottom to Amp(Filter,Receiver)\_3m\_1-18G\_2022-09-15

Pre Amp Gain

1. EMC-233-M\_MLA-0618-B03-34\_2021.12.21

No.	FREQ [MHz]	READING CAV [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- HORIZONTAL -----										
1	6813.766	26.70	31.20	8.04	39.23	26.71	54.00	27.29	354	142
2	9187.372	23.20	31.80	9.83	38.47	26.36	54.00	27.64	113	305
3	15508.410	20.10	35.60	13.15	37.58	31.27	54.00	22.73	305	187
----- VERTICAL -----										
4	6806.312	26.90	31.20	8.05	39.23	26.92	54.00	27.08	342	233
5	10490.360	22.80	32.50	9.88	38.53	26.65	54.00	27.35	122	24
6	17555.230	19.90	36.90	14.88	38.02	33.66	54.00	20.34	277	17

## 9. Revision History

Date	Description	Revised By	Reviewed By
Oct. 28. 2022	Initial report	JunSeo Park	HyungJun Kim

-End of test report-