

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. : DREFCC2211-0191

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 / EB1147
(FCC ID : JOYEB1147)

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



6. Date of Test : Nov. 10. 2022

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

8. Testing Environment : Temperature 19 °C , Humidity 45 % 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.

Nov. 16. 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

CONTENTS

1. General Remarks	3
2. Test Laboratory	3
3. General Information of EUT	4
4. EUT Operations and Test Configurations	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
5. Test Summary	7
6. Test Environment	7
7. Test Results : Emission	8
7.1 Conducted Disturbance	8
7.2 Radiated Disturbance	9
9. Revision History	21

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	EB1147
Add Model Name	None
Add Model difference	None
Software Version	0.110YO.9017.a
Hardware Version	Pre-Production
Maximum Internal Frequency	2.2 GHz
Rated Power	DC 3.87 V
FCC ID	JOYEB1147
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

*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 power from battery.		

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

-Conducted Disturbance

Frequency [MHz]	Phase	Result [dB μ V]	Detector	Limit [dB μ V]	Margin [dB]
-	-	-	-	-	-

-Radiated Disturbance

Frequency [MHz]	Pol.	Result [dB μ V/m]	Detector	Limit [dB μ V/m]	Margin [dB]
5066.724	V	36.23	Cispr - Average	54.00	17.77

6. Test Environment

Test Items	Test date (YYYY-MM-DD)	Temp. (°C)	Humidity (% R.H.)	Pressure (kPa)
Radiated Disturbance	2022-11-10	19	45	-

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.			Not Applicable
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	
Limits – Class A			
Frequency (MHz)	Limit dB μ V		
	Quasi-Peak	Average	
0.15 to 0.50	79	66	
0.50 to 30	73	60	
Limits – Class B			
Frequency (MHz)	Limit dB μ 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 μ V) : Reading Value(dB μ V) + C.FACTOR(dB)
Margin(dB) : Limit(dB μ V) - Result(dB μ V)

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

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	
Radiated Disturbance below 1 000 MHz				
Frequency range (MHz)	Quasi-peak limit dBμV/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 dBμV/m			
	Class A (10 m distance)		Class B (10 m distance)	
	30 to 230		30	
230 to 1 000		37		
Radiated Disturbance for above 1 000 MHz at a measurement distance of 3 m				
Frequency range (GHz)	Peak limit dBμV/m		Average limit dBμV/m	
	Class A	Class B	Class A	Class B
	1 to 40	80	74	60
The test frequency range of Radiated Disturbance measurements are listed below.				
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 th 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
LOW NOISE PRE AMPLIFIER	MLA-100K01-B01-26	TSJ	1252741	2022.02.08	2023.02.08
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
6 dB ATTENUATOR	2708A	HP	23831	2022.09.29	2024.09.29
PRE AMPLIFIER	8449B	H.P	3008A00887	2022.08.24	2023.08.24
BROAD-BAND HORN ANTENNA	BBHA 9120D	SCHWARZBECK	9120D-1014	2022.08.02	2023.08.02
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			

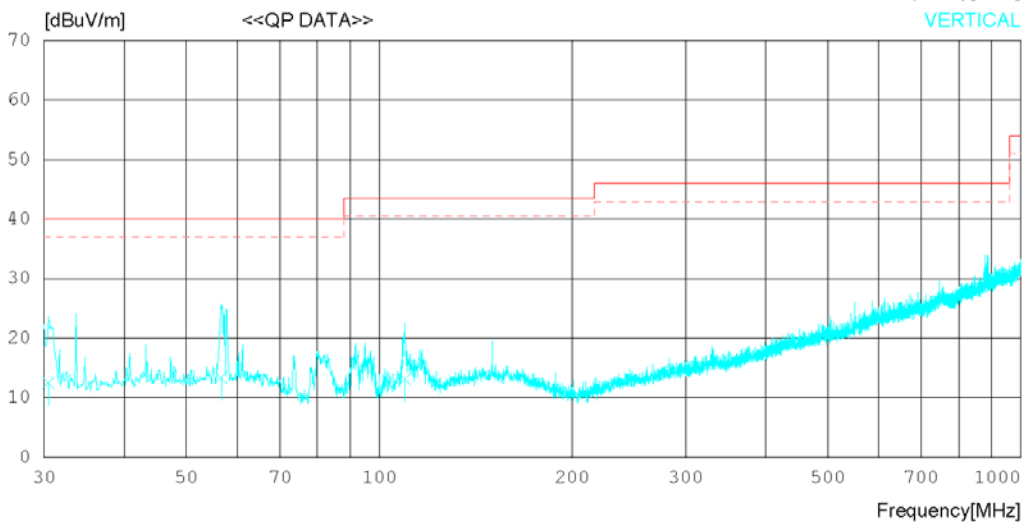
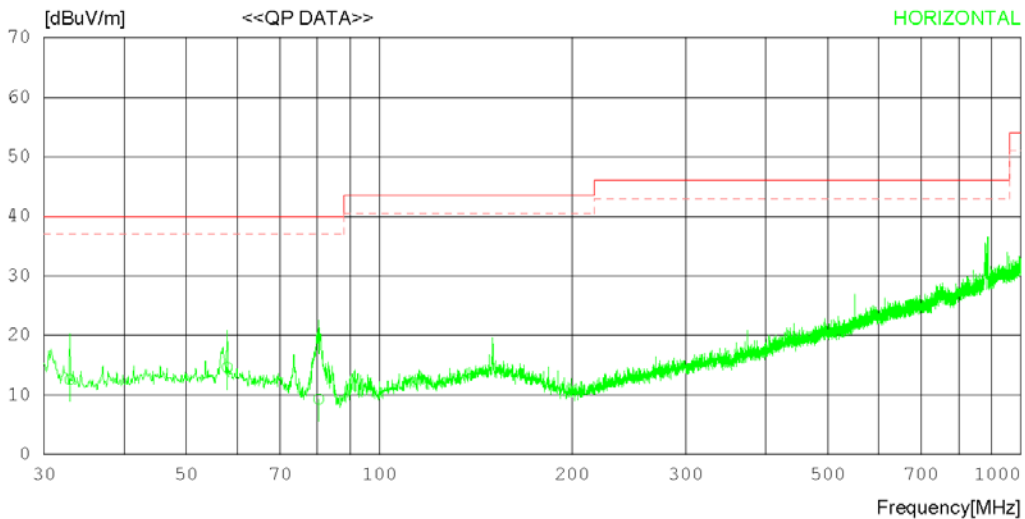
Date 2022-11-10

Order No. DTNC2210-10874
 Power Supply Battery
 Temp/Humi 19 °C 45 % 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



Date 2022-11-10

Order No. DTNC2210-10874
 Power Supply Battery
 Temp/Humi 19 °C 45 % 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	32.910	21.30	17.08	0.89	26.69	12.58	40.00	27.42	322	304
2	57.888	22.30	17.81	1.17	26.65	14.63	40.00	25.37	234	283
3	80.440	21.30	13.46	1.31	26.78	9.29	40.00	30.71	113	257
----- VERTICAL -----										
4	30.485	21.30	17.00	0.85	26.70	12.45	40.00	27.55	321	77
5	56.675	20.90	17.93	1.15	26.64	13.34	40.00	26.66	220	133
6	109.539	22.10	16.34	1.56	26.92	13.08	43.50	30.42	134	242

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

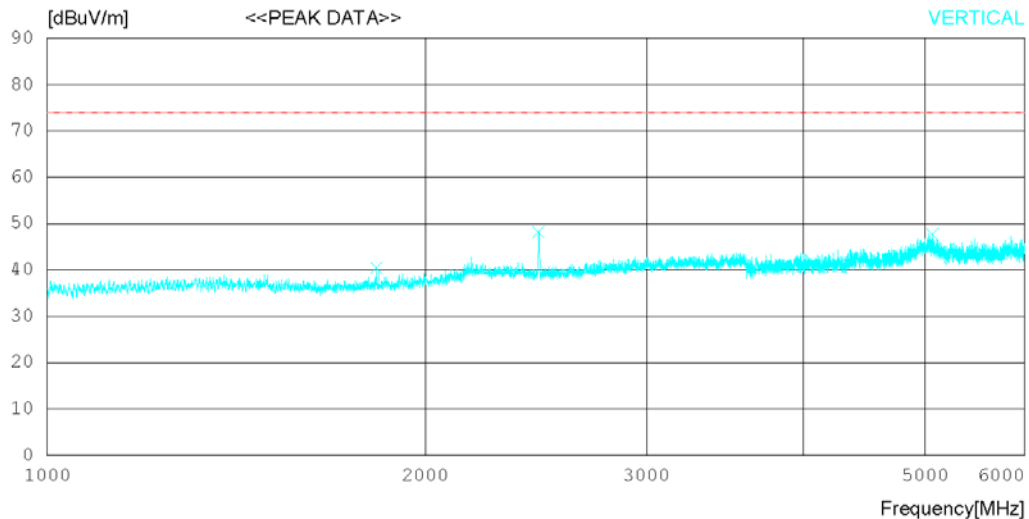
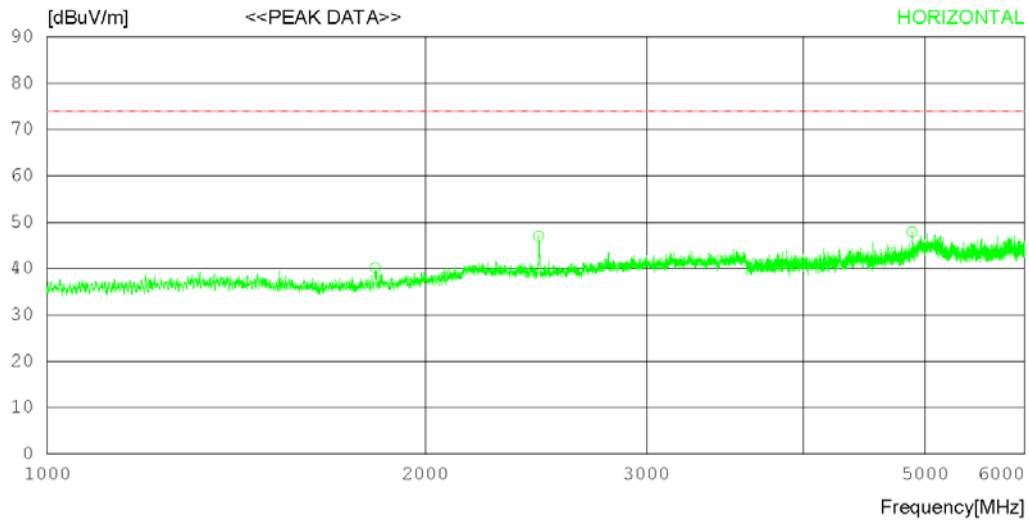
Date 2022-11-10

Order No. DTNC2210-10874
 Power Supply Battery
 Temp/Humi 19 °C 45 % 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



Date 2022-11-10

Order No. DTNC2210-10874
 Power Supply Battery
 Temp/Humi 19 °C 45 % 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	1824.375	45.70	25.45	4.41	35.36	40.20	74.0	33.8	112	358
2	2461.875	49.70	27.42	5.10	35.15	47.07	74.0	26.93	202	358
3	4879.375	43.50	31.36	7.84	34.76	47.94	74.0	26.06	113	358
----- VERTICAL -----										
4	1828.750	45.90	25.46	4.42	35.35	40.43	74.0	33.57	277	0
5	2461.250	50.80	27.42	5.10	35.15	48.17	74.0	25.83	134	0
6	5067.500	42.10	32.04	8.40	34.81	47.73	74.0	26.27	324	171

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

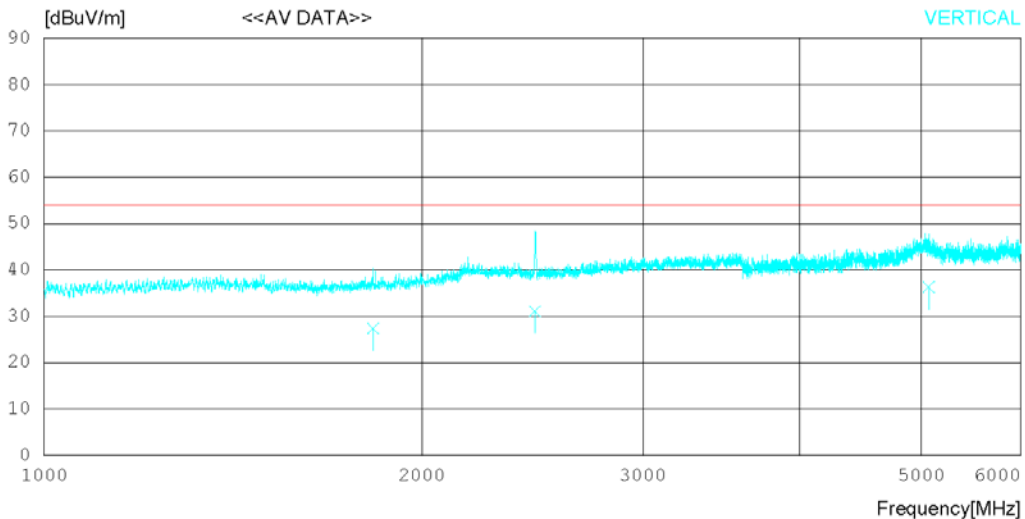
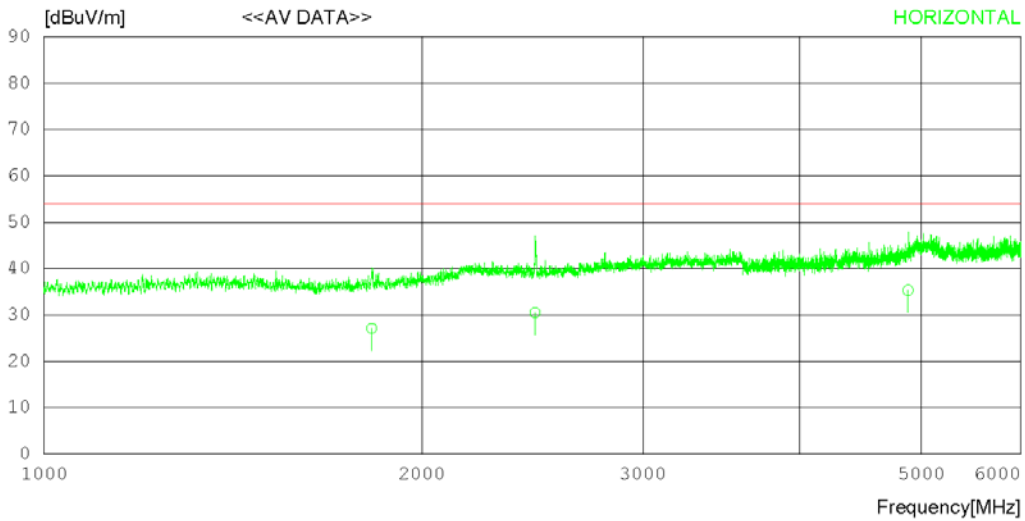
Date 2022-11-10

Order No. DTNC2210-10874
 Power Supply Battery
 Temp/Humi 19 °C 45 % 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 2022-11-10

Order No. DTNC2210-10874
 Power Supply Battery
 Temp/Humi 19 °C 45 % 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	1823.973	32.60	25.45	4.41	35.36	27.10	54.00	26.90	132	132
2	2460.982	33.10	27.42	5.10	35.15	30.47	54.00	23.53	273	305
3	4878.611	30.90	31.36	7.84	34.76	35.34	54.00	18.66	314	114
----- VERTICAL -----										
4	1828.214	32.80	25.46	4.42	35.35	27.33	54.00	26.67	342	123
5	2461.408	33.70	27.42	5.10	35.15	31.07	54.00	22.93	113	322
6	5066.724	30.60	32.03	8.41	34.81	36.23	54.00	17.77	321	133

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

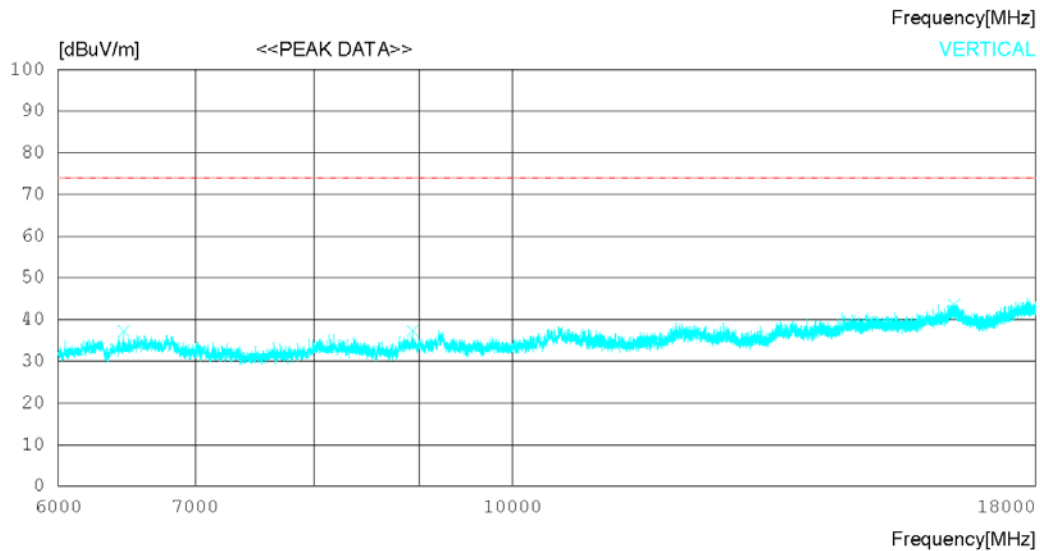
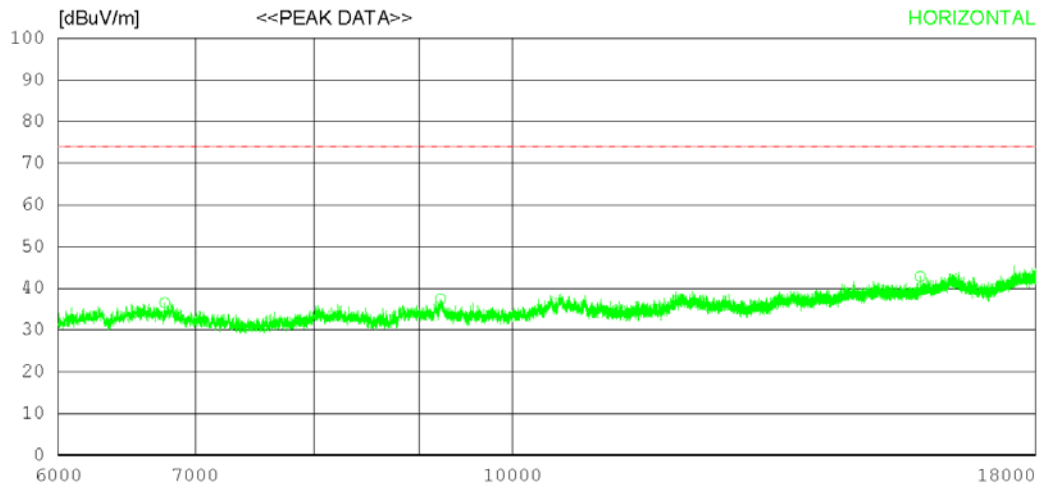
Date 2022-11-10

Order No. DTNC2210-10874
 Power Supply Battery
 Temp/Humi 19 °C 45 % 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 2022-11-10

Order No. DTNC2210-10874
 Power Supply Battery
 Temp/Humi 19 °C 45 % 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	6763.500	36.60	31.20	8.02	39.27	36.55	74.0	37.45	277	358
2	9222.000	34.30	31.80	9.81	38.47	37.44	74.0	36.56	133	84
3	15807.000	31.40	35.91	13.05	37.48	42.88	74.0	31.12	305	0
----- VERTICAL -----										
4	6459.750	37.70	31.20	7.82	39.51	37.21	74.0	36.79	352	36
5	8934.000	34.80	31.90	9.03	38.44	37.29	74.0	36.71	310	358
6	16423.500	30.50	36.85	13.33	37.12	43.56	74.0	30.44	126	258

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

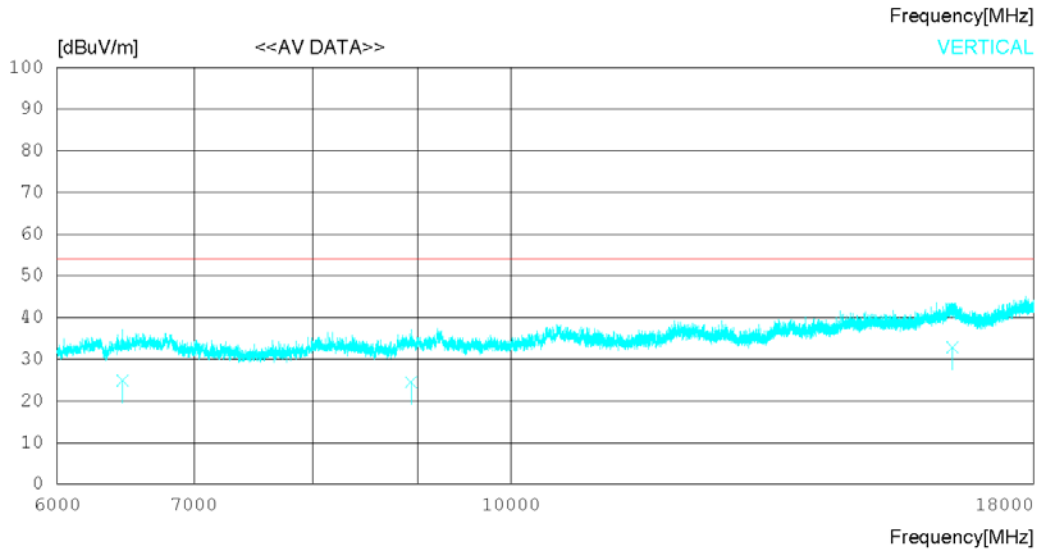
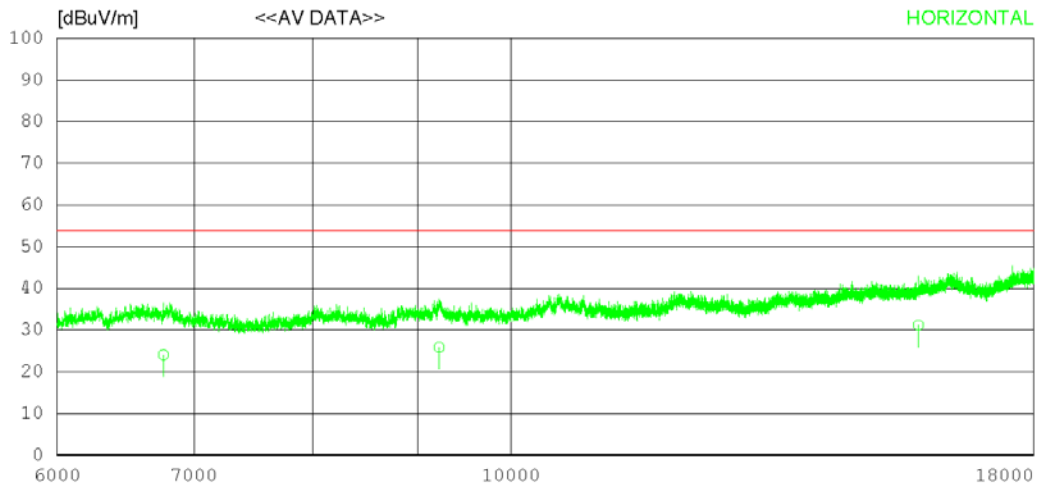
Date 2022-11-10

Order No. DTNC2210-10874
 Power Supply Battery
 Temp/Humi 19 °C 45 % 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



Date 2022-11-10

Order No. DTNC2210-10874
 Power Supply Battery
 Temp/Humi 19 °C 45 % 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	6762.941	24.10	31.20	8.02	39.27	24.05	54.00	29.95	321	78
2	9222.386	22.70	31.80	9.81	38.47	25.84	54.00	28.16	227	84
3	15807.130	19.70	35.91	13.05	37.48	31.18	54.00	22.82	113	302
----- VERTICAL -----										
4	6459.139	25.40	31.20	7.82	39.51	24.91	54.00	29.09	321	36
5	8934.119	22.00	31.90	9.03	38.44	24.49	54.00	29.51	211	180
6	16423.060	19.80	36.85	13.33	37.12	32.86	54.00	21.14	301	23

9. Revision History

Date	Description	Revised By	Reviewed By
Nov. 16. 2022	Initial report	JunSeo Park	HyungJun Kim

-End of test report-