# **TEST REPORT**

775	DT&C Co., Ltd. 42, Yurim-ro, 154Beon-gil, Cheoin-gu, Yongin-si, Gyeonggi-do, Korea, 1704								
V	DIAC		on-gil, Cheoin-gu, Yongin-si, Gyeonggi-do, Korea, 17042 el : 031-321-2664, Fax : 031-321-1664						
1. Report No	1. Report No : DREFCC2110-0169								
2. Customer									
• Name :	KYOCERA Corporation	1							
Address	: Yokohama Office 2-1	-1 Kagahara,Tsuz	zuki-ku Yokohama-shi,Kanagawa,Japan						
3. Use of Re	port : FCC Supplier's E	eclaration of Cont	formity						
	<ul> <li>4. Product Name / Model Name : Mobile Phone / EB1086</li> <li>5. Test Method Used : ANSI C63.4:2014 FCC Part 15 Subpart B (Other Class B digital devices &amp; peripherals)</li> </ul>								
6. Date of Te	est : Sep. 30. 2021								
7. Location of	of Test : 🛛 Permanent	J	On Site Testing						
	(Address : Refe	er to the attached)							
8. Testing E	nvironment : Temperatu	ure 24 °C , Humidi	ty 52 % R.H.						
9. Test Resu	It : Refer to the attache	d Test Result							
	nown in this test report ref y is not accredited for the		e(s) tested unless otherwise stated.						
Affirmation	Tested by		Technical Manager						
	Name : Hun Lee	No	Name : HyungJun Kim						
Oct. 15. 2021.									
DT&C Co., Ltd.									
	KS Q ISO / IEC 17025 and KOLAS accreditation.								



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### 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 <u>http://www.dtnc.net</u> Tel: +82-31-321-2664 Fax: +82-31-321-1664

### 2. Test Laboratory

#### Address of Laboratory

	BS	42, Yurim-ro 154beon-gil, Cheoin-gu, Yongin-si, Gyeonggi-do, 17042, Korea
	SF-1	46, Yurim-ro 154beon-gil, Cheoin-gu, Yongin-si, Gyeonggi-do, 17042, Korea
$\square$	SF-2	38, Yurim-ro 154beon-gil, Cheoin-gu, Yongin-si, Gyeonggi-do, 17042, Korea
	SF-3	28, Baengnyeong-ro 20beon-gil, Cheoin-gu, Yongin-si, Gyeonggi-do, 17042, Korea

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

Certificate	Nation Agency Code		Code	Remark
	Korea	KOLAS	393	ISO/IEC 17025
Accreditation	South Africa	SABS	0006	ISO/IEC 17025
	Ghana	NCA	NCA agreement 23rd,Oct,2018	-
			KR0034	Accredited
	USA	FCC	101842 678747, 596748, 804488, 165783	2.948 Listed
Sito Filing	Canada	IC	5740A-3 5740A-4	Registered
Site Filing	Japan	VCCI	C-1427, R-3385, R-14076, R-14180, R-4496, T-11442, G-10338, G-10754, G-10815, G-20051	Registered
	Korea	КС	KR0034	Designation
Certification	Germany	TUV	CARAT 089112 0008 Rev.00	ISO/IEC 17025
	Russia	RMRS	17.10189.296	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

	KYOCERA Corporation
Applicant	Yokohama Office 2-1-1 Kagahara,
	Tsuzuki-ku Yokohama-shi,Kanagawa,Japan
	KYOCERA Corporation
Manufacturer	Yokohama Office 2-1-1 Kagahara,
	Tsuzuki-ku Yokohama-shi,Kanagawa,Japan
	KYOCERA Corporation
Factory	Yokohama Office 2-1-1 Kagahara,
	Tsuzuki-ku Yokohama-shi,Kanagawa,Japan
Product Name	Mobile Phone
Model Name	EB1086
Add Model Name	None
Add Model Difference	None
RF Module	None
Maximum Internal Frequency	2.0 GHz (Max)
Software Version	0.090DC
Hardware Version	DMT
Rated Power	DC 3.87 V (Battery)
Remarks	

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	The EUT is connected to the SIGNAL GENERATOR and is receiving radio frequency (VHF II).
*		

### 4.3 Test Configuration Mode

No.	Mode	Description
1	Receiving(FM)	The EUT is connected to the USB C TYPE Cable. The USB C TYPE Cable is connected to the Earphone. The EUT is wirelessly connected to the SIGNAL GENERATOR.

# 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	Cable	Cable	Remarks
Naille	туре	Max. >3m	Shielded	Back shell	Remarks
USB C to 3.5 mm	I/O	0.1	Shield	Plastic	N/A
Earphone I/O		1.2	Non shield	Plastic	N/A
*Abbreviations: AC = AC Power Port I/O = Signal Input or Output Port TP = Telecommunication Ports		DC = DC Power GND = Ground	Port	N/E = Non-Electri	cal

# 4.6 Test Voltage and Frequency

Case	Voltage (V)	Frequency (Hz)	Phases	Remarks
1	DC 3.87	-	-	Battery

# 5. Test Summary

Test Items			Applie	Results	
Conducted Disturbance			ANSI C63.4:2014		N/A
Radiated Disturbance		ANSI C63.4:2014		С	
	C=Comply	N/C=Not Comply	N/T=Not Tested	N/A=Not Applicable	
Note 1)					

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

-Conducted Disturbance

Frequency [MHz]	Phase	Result [dBµV]	Detector	Limit [dBµV]	Margin [dB]
-	-	-	-	-	-

-Radiated Disturbance

Frequency [MHz]	Pol.	Result [dBµV/m]	Detector	Limit [dBµV/m]	Margin [dB]
39963.91	Н	47.87	Cispr - Average	54.0	6.13

# 6. Test Environment

Test Items	Test date	Temp.	Humidity	Pressure
	(YYYY-MM-DD)	(℃)	(% R.H.)	(kPa)
Radiated Disturbance	2021-09-30	24	52	-

# 7. Test Results : Emission

# 7.1 Conducted Disturbance

ANSI C63.4												
plane. This dis EUT and asso system throug were made at spectrum ana detector mode perform final r Quasi-Peak d	stance was betwee ociated equipment of Artificial Mains I t the output of the lyzer. Using conduc e. After scanning of measurement. Whe detector and CISF etector with 10 kHz	e boundary of the unit under test on the closest points of the AMN were at least 0,8 m from the AM Network (AMN). Conducted volt AMN. The measuring port of the cted emission test software, the over the frequency range, susp on performing final measuremen PR Average detector. For (0. z RBW and 30 kHz VBW was us uting it was attempted to maximize	I and the EU IN. All power tage measur the LISN for emissions to pected emiss of, the receive 15 ~ 30) sed. By var	JT. All other units of the er was connected to the rements on mains lines EUT was connected to were scanned with peak asions were selected to ver was used which has MHz frequency range, ying the configuration of	Not Applicable							
	Fully configured sample scanned ov Frequency range on each side of line Measurement P											
er the following fr	equency range	150 kHz to 30 MHz	Mains									
EUT m	odo	Test configuration mo	ode	N/A								
(Refer to cla		EUT Operation mod	e	N/A								
	auses 4)	Power interface mod	de	N/A								
		Limits – Class A										
		Limit	dBµV									
Frequency (MHz)		Quasi-Peak		Average								
0.15 to 0.50		79		66								
0.50 to 30		73		60								
		Limits – Class B										
Frequency (MHz)		Limit	dBµV									
		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(dBµV) : Reading Value(dBµV) + C.FACTOR(dB)
Margin(dB) : Limit(dBµV) - Result(dBµV)



#### Report No.: DREFCC2110-0169

Mains termina	al disturbance	e voltage _Test setup photo	
Test configuration mode	N/A	EUT Operation mode	N/A
			·
		<i>/•</i>	
	N	/Α	
	N	/A	
	IN		



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 c	listurbance	e 30 MH	z – XX GHz		Result		
the receive antenna measurements were height from 1 to 4 m where applicable. Fo	Hz and 3 located a then perf . All frequ or final me ndwidth) = 1 MHz I	meter above 1GHz. t various heights in h formed by rotating th encies were investig easurement below 1 was used. For final r	The EUT wan norizontal and ne EUT 360° ated in both I GHz frequen neasurement	is rotated l vertical   and adjus horizontal cy range, above 1	360° about its azimuth polarities. Final sting the receive antenn I and vertical antenna p Quasi-Peak detector v GHz frequency range,	n with na polarity, with	Comply		
EUT mode		Test configu	uration mode	e	1	I			
	、	EUT Opera	ation mode		1				
(Refer to clauses 4	)	Power inte	rface mode		1				
		Radiated Disturb	ance below	1 000 M	Hz				
<b>F</b>			Qua	si-peak	limit dBµV/m				
Frequency range		Cla	ss A		Class	s B			
(MHz)	Ī	3 m distance	10 m dist	tance	3 m dist	tance			
30 to 88		49.1	39.1		40				
88 to 216		53.5	43.5	;	43.				
216 to 960		56.4	46.4		46				
960 to 1 000		59.5	49.5	;	54				
According to 15.109(g), as a comply with the standards(C				shown ab	oove, digital devices ma	ay be sh	own to		
Frequency range			Qua	si-peak	limit dBµV/m				
(MHz)		Class A (10	m distance)	e) Class B (10 m distance)					
30 to 230		4	10		30				
230 to 1 000		4	17		37				
Radiated	l Disturba	ance for above 1 0	00 MHz at a	measure	ement distance of 3 n	n			
Frequency range	-	Peak lim	it dBµV/m		Average lim	it dBµV/	m		
(GHz)		Class A	Class	В	Class A	Cla	ass B		
1 to 40		80	74		60		54		
		•		measure	ements are listed belo	ow.			
Highest frequency g or on which the de				Uppe	er frequency of meas (MHz)	uremen	t range		
	Below 1	08			1 000				
	108 – 50	00		2 000					
	500 - 1 0	5 000 5 <sup>th</sup> harmonic of the highest frequency or 40 GHz							
				Eth I			40.01		



	Me	easurement Instrume	ent		
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	2020-12-14	2021-12-14
TRILOG BROAD BAND ANTENNA	VULB9160	SCHWARZBECK	9160-3339	2020-10-05	2022-10-05
6 DB ATTENUATOR	2708A	HP	18403	2020-10-05	2022-10-05
LOW NOISE PRE AMPLIFIER	MLA-100K01-B01-26	TSJ	1252741	2021-02-08	2022-02-08
HORN ANTENNA	3117	ETS-LINDGREN	00152093	2021-03-25	2022-03-25
PRE AMPLIFIER	8449B	H.P	3008A00887	2021-08-23	2022-08-23
HORN ANTENNA	EM-6969	ELECTRO-METRICS	156	2020-12-29	2021-12-29
PREAMPLIFIER	MLA-0618-B03-34	TSJ	1785642	2020-12-24	2021-12-24
HORN ANTENNA	3116C	ETS-LINDGREN	213177	2021-01-27	2022-01-27
PREAMPLIFIER	JS44-18004000-35-8P	L3 NARDA-MITEQ	2046884	2020-11-05	2021-11-05
NOTE : THE MEASUREME	NT ANTENNAS WERE C	ALIBRATED IN ACCORI	DANCE TO THE F	REQUIREMENTS (	DF C63.5-2017.)

#### Calculation

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



Те	st confi	igurat	ion i	nod	е				1				EUT	Opera	tion	moc	de			
	Test	voltag	ge (V	)					Batt	ery			Test	Frequ	uency	y (Hz	z)			
								RA	DIA	TE	DE	<u>MI</u>	SSIC	<u>)N</u>		ate 2	004	~~ ~	20	
	Order No Power Si Temp/Hu Test Cor	upply Imi		E 2	DTNO BATT 24 'C	ER	Y	06585 R.H.							Da	ate 2	.021-	09-	50	
	Memo																			
	LIMIT : F	CC Pa	rt15 S V: 3 dl	iubpa B	rt.B	Cla	ss E	3 (3m)												
	Antenna 1. EMC-2 Cable Lc 1. #24_C 2. #25_C 3. #26_C Pre Amp 1. EMC-1	228_VU sss C1_ANT C2_Amp C3_Amp Gain	JLB91 to B( to B( to B( to Re	OTTC OTTC eceivo	0M_3 0M_3 er_3	3m_ 3m_ m_	창의 창의 창의	⊴_9K-1 ⊴_9K-1 _9K-10	G_2021 G_2021 G_2021-	-02-19 -02-19 02-19		i								
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	[dBuV/m	]		< <g< td=""><td>PD.</td><td>ΑΤΑ</td><td> &gt;&gt;</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>vere VEF</td><td></td><td></td><td></td></g<>	PD.	ΑΤΑ	>>										vere VEF			
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Date 2021-09-30

Order No. Power Supply Temp/Humi Test Condition DTNC2108-06585 BATTERY 24 'C 52 % R.H. FM

Memo

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

Antenna Factor 1. EMC-228\_VULB9160\_9160-3339\_with ATT\_18403\_2020.10.05 Cable Loss 1. #24\_C1\_ANT to BOTTOM\_3m\_참의\_9K-1G\_2021-02-19 2. #25\_C2\_Amp to BOTTOM\_3m\_참의\_9K-1G\_2021-02-19 3. #26\_C3\_Amp to Receiver\_3m\_참의\_9K-1G\_2021-02-19 Pre Amp Gain 1. EMC-110\_AMP\_MLA-100K01-B01-26\_1252741\_2021.02.08

No	. FREQ	READING OP	ANT FACTOR	LOSS	GAIN	RESULT	LIMIT	MARGIN	ANTENNA	TABLE
	[MHz]	[dBuV]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[DEG]
	HORI:	ZONTAL								
_	268.542 345.615 888.654	25.50 26.30 20.50	18.48 20.11 29.37	2.31 2.73 4.55	26.58 26.51 26.49	L 22.63	46.00 46.00 46.00	26.29 23.37 18.07	107 308 211	52 236 274
	VERT	ICAL								
4 5 6	195.985 883.331 950.410	31.70 20.80 17.00	16.30 29.30 30.50	1.98 4.53 4.76	26.65 26.46 26.74	5 28.17	43.50 46.00 46.00	20.17 17.83 20.48	105 107 299	237 52 31



est configuration	mode	1	EU	EUT Operation mode		
Test voltage (		Battery		est Frequency (Hz)		
	,	· · · · · ·		·····		
	Р					
	<u> </u>	ADIATED				
				Date 2021-09	-30	
Order No. Power Supply Temp/Humi Test Condition	DTNC2108-06585 BATTERY 24 'C 52 % R.H. FM	)				
Memo						
LIMIT : FCC Part1 FCC Part1	5 Subpart.B Class B (3m) 5 Subpart.B Class B (3m)	) - GHz(Peak) ) - GHz(Average)				
Cable Loss 1. #27_C1_Ant to 2. #28_C2_Botton 3. #29_C3_Amp to Pre Amp Gain	_00152093_2021.03.25 Bottom_3m_창의_1-18G h to Amp_3m_창의_1-18G keceiver_3m_창의_1-18 B_3008A00887_2021.08	3_2021.07.26 3G_2021.02.25				
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Date 2021-09-30

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Order No. Power Supply Temp/Humi Test Condition DTNC2108-06585 BATTERY 24 'C 52 % R.H. FM

Memo

LIMIT : FCC Part15 Subpart B Class B (3m) - GHz(Peak) FCC Part15 Subpart B Class B (3m) - GHz(Average) Antenna Factor 1. EMC-299\_3117\_00152093\_2021.03.25 Cable Loss 1.#27\_C1\_Ant to Bottom\_3m\_참의\_1-18G\_2021.02.25 2. #28\_C2\_Bottom to Amp\_3m\_참의\_1-18G\_2021.07.26 3. #29\_C3\_Amp to Receiver\_3m\_참의\_1-18G\_2021.02.25 Pre Amp Gain 1. EMC-444\_8449B\_3008A00887\_2021.08.23 No. FREQ READING ANT LOSS GAIN RESULT LIMIT MARGIN ANTENNA TABLE PEAK FACTOR [MHz] [dBuV] [dB] [dB] [dB] [dBuV/m][dBuV/m] [dB] [cm] [DEG] ----- HORIZONTAL -----1 4616.250 41.90 33.90 9.98 34.38 51.40 2 5063.125 42.10 34.00 10.25 34.51 51.84 3 5643.125 41.80 34.49 10.71 34.63 52.37 74.0 22.6 110 74.0 22.16 200 74.0 21.63 135 ---- VERTICAL \_\_\_\_

4	4619.375	41.90 33.90	9.97	34.39	51.38	74.0	22.62	132	99
5	4864.375	42.30 34.00	9.84	34.46	51.68	74.0	22.32	200	358
6	5244.375	42.50 34.19	10.43	34.55	52.57	74.0	21.43	100	259



Test configuration mode	1	EUT Ope	EUT Operation mode				
Test voltage (V)	Battery	Test Free	Test Frequency (Hz)				
	RADIATE	D EMISSION					
	<u></u>		- Date 2021-09-30				
Power Supply BA	NC2108-06585 TTERY 'C 52 % R.H. I						
Memo							
LIMIT:FCC Part15 Subpart FCC Part15 Subpart	B Class B (3m) - GHz(Average) B Class B (3m) - GHz(Average)						
Antenna Factor 1. EMC-299_3117_0015209 Cable Loss 1. #27_C1_Ant to Bottom_3r 2. #28_C2_Bottom to Amp_3 3. #29_C3_Amp to Receiver Pre Amp Gain 1. EMC-444_8449B_3008A0							
[dBuV/m] < <av< td=""><td>DATA&gt;&gt;</td><td></td><td>HORIZONTAL</td></av<>	DATA>>		HORIZONTAL				
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[dBuV/m] < <av< td=""><td>DATA&gt;&gt;</td><td></td><td>Frequency[Hz]</td></av<>	DATA>>		Frequency[Hz]				
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Date 2021-09-30

Order No. Power Supply Temp/Humi Test Condition DTNC2108-06585 BATTERY 24 'C 52 % R.H. 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-299\_3117\_00152093\_2021.03.25 Cable Loss

1. #27\_C1\_Ant to Bottom\_3m\_창의\_1-18G\_2021.02.25 2. #28\_C2\_Bottom to Amp\_3m\_창의\_1-18G\_2021.07.26 3. #29\_C3\_Amp to Receiver\_3m\_창의\_1-18G\_2021.02.25

Pre Amp Gain 1. EMC-444\_8449B\_3008A00887\_2021.08.23

No	. FREQ	READING CAV	ANT FACTOR	LOSS	GAIN	RESULT	LIMIT	MARGIN	ANTENNA	TABLE	
	[MHz]	[dBuV]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[DEG]	
	HORI2	CONTAL									
1 2 3	4616.299 5063.609 5643.245	30.30	33.90 34.00 34.49	9.98 10.25 10.71	34.38 34.51 34.63	40.04	54.00 54.00 54.00	15.00 13.96 13.33	112 197 103	97 33 312	
	VERTICAL										
4 5 6	4619.252 4864.603 5244.324	30.10	33.90 34.00 34.19	9.97 9.84 10.43	34.39 34.40 34.55	39.48	54.00 54.00 54.00	15.22 14.52 14.03	105 215 135	109 331 312	



est configuration mode	1	_Peak Measurement data EUT Operation mode
Test voltage (V)	Battery	Test Frequency (Hz)
rest voltage (V)	Battery	τουτιτομαθική (ΠΖ)
	RADIATED	
		Date 2021-09-30
Order No.DTNC2108Power SupplyBATTERYTemp/Humi24 'C 52 %Test ConditionFM		
Memo		
LIMIT:FCC Part15 Subpart.B Class FCC Part15 Subpart.B Class	B (3m) - GHz(Peak) B (3m) - GHz(Average)	
Antenna Factor 1. EMC-233-A_EM-6969_156_2020.	12.29	
Cable Loss 1. #27_C1_Ant to Bottom_3m_창의_ 2. #28_C2_Bottom to Amp_3m_창의	1-18G_2021.02.25	
Pre Amp Gain		
1. EMC-233-M_MLA-0618-B03-34_2		
[dBuV/m] < <peak dat<="" td=""><td>A&gt;&gt;</td><td>HORIZONTAL</td></peak>	A>>	HORIZONTAL
2		
		Salah Sa
	فأخلحه ومناغلا البصالية غن ودوم والإمار المريد والمعالين والقعور	
6G 7G	10G	18G
[dBuV/m] < <peak dat<="" td=""><td>۵</td><td>Frequency[Hz]</td></peak>	۵	Frequency[Hz]
		VERTICAL
		and the second
)	anter a standard and	
6G 7G	10G	18G



Date 2021-09-30

Order No.	
Power Supply	
Temp/Humi	
Test Condition	

DTNC2108-06585 BATTERY 24 'C 52 % R.H. FM

Memo

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

Antenna Factor 1. EMC-233-A\_EM-6969\_156\_2020.12.29 Cable Loss 1. #27\_C1\_Ant to Bottom\_3m\_창의\_1-18G\_2021.02.25 2. #28\_C2\_Bottom to Amp\_3m\_창의\_1-18G\_2021.07.26 Pre Amp Gain 1. EMC-233-M\_MLA-0618-B03-34\_2020.12.24

No.	FREQ	READING AN		GAIN	RESULT	LIMIT	MARGIN	ANTENNA	TABLE			
	[MHz]	PEAK FAC [dBuV] [d:		[dB]	[dBuV/m]	[dBuV/m	] [dB]	[cm]	[DEG]			
	HORIZONTAL											
2	17154.00	)0 28.50 35.9 )0 28.80 36.5 )0 29.50 36.7	25.38	37.19 37.51 38.06	51.45 53.17 53.19	74.0 74.0 74.0	22.55 20.83 20.81	300 252 100	$107 \\ 43 \\ 146$			
	VERTICAL											
5	16915.50	)0 27.70 36.2 )0 28.70 36.4 )0 28.50 36.7	25.06	37.18 37.35 38.03	51.07 52.81 52.23	74.0 74.0 74.0	22.93 21.19 21.77	150 200 100	358 265 348			



st configuration mode	1	EUT Operation mode
Test voltage (V)	Battery	Test Frequency (Hz)
i sot voltage (v)	Dattery	
		EMISSION
	RADIATED	Date 2021-09-30
Order No. DTNC2108	8-06585	Date 2021-09-30
Power Supply BATTERY Temp/Humi 24 'C 52 %		
Test Condition FM		
Memo		
LIMIT:FCC Part15 Subpart.B Class FCC Part15 Subpart.B Class	s B (3m) - GHz(Average) s B (3m) - GHz(Average)	
Antenna Factor	12.20	
1. EMC-233-A_EM-6969_156_2020 Cable Loss 1. #27_C1_Ant to Bottom_3m_창의_		
1. #27_C1_Ant to Bottom_on_on_o 2. #28_C2_Bottom to Amp_3m_창의 Pre Amp Gain	_1-18G_2021.02.25	
1. EMC-233-M_MLA-0618-B03-34_2	2020.12.24	
[dBuV/m] < <av data=""></av>	>	HORIZONTAL
		and the second
	فانتجره والفار الوالية المؤالين والمترافع والمترافع والمحادي	P P P
6G 7G	10G	18G
[dBuV/m] < <av data=""></av>	<	Frequency[Hz]
	-	VERTICAL
		and the second
موجده بالمستحاص والمراز والمتعالية والمتعادية والمعادية والمعادية والمعادية والمعادية والمعادية والمعادية والم	والمقافلية فالمتحاصية والمتحادث والمتحاطية والمتحاص	
		18G

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Date 2021-09-30

Order No.
Power Supply
Temp/Humi
Test Condition

DTNC2108-06585 BATTERY 24 'C 52 % R.H. 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\_2020.12.29 Cable Loss 1. #27\_C1\_Ant to Bottom\_3m\_창의\_1-186\_2021.02.25 2. #28\_C2\_Bottom to Amp\_3m\_창의\_1-18G\_2021.07.26 Pre Amp Gain 1. EMC-233-M\_MLA-0618-B03-34\_2020.12.24

No	. FREQ	READING CAV	ANT FACTOR	LOSS	GAIN	RESULT	LIMIT	MARGIN	ANTENNA	TABLE	
	[MHz]	[dBuV]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[DEG]	
	HORI	ZONTAL									
	16369.85 17154.52 17682.52	20 17.90	35.98 36.50 36.70	24.16 25.38 25.05	37.19 37.51 38.06	42.27	54.00 54.00 54.00	13.25 11.73 12.01	308 284 112	152 95 209	
	VERTICAL										
5	16497.85 16915.25 17659.63	50 17.90	36.30 36.40 36.70	24.26 25.06 25.06	37.18 37.35 38.03	42.01	54.00 54.00 54.00	12.82 11.99 12.17	145 211 132	302 299 312	



Test configuration	on mode	1	FUT On	eration mode
Test voltage		Battery		equency (Hz)
Test voltage	(V)	Dattery	Test Fi	equency (nz)
	<u>R</u>		D EMISSIO	N
				Date 2021-09-30
Order No. Power Supply Temp/Humi Test Condition	DTNC2108-0658 BATTERY 24 'C 52 % R.H. FM	5		
Memo				
FCC Par	t15 Subpart.B Class B (3m t15 Subpart.B Class B (3m	ı) - GHz(Peak) ı) - GHz(Average)		
Cable Loss 1. #32_C1_Ant t 2. #33_C2_Amp Pre Amp Gain	8116C_00213177_2021.01 o Amp_3m_창의_18-40G_ to Receiver_3m_창의_18-	2021-05-21 40G_2021.05.21		
1. JS44-180040	00-35-8P_2046884_2020.1	11.05		
[dBuV/m]	< <peak data="">&gt;</peak>		1	HORIZONTAI
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18G 200	7		30G	S9.9990 Frequency[Hz
[dBuV/m]	< <peak data="">&gt;</peak>			VERTICA
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Date 2021-09-30

Order No.	
Power Supply	
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Test Condition	

DTNC2108-06585 BATTERY 24 'C 52 % R.H. FM

Memo

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

Antenna Factor 1. EMC-442-A\_3116C\_00213177\_2021.01.27 Cable Loss 1. #32\_C1\_Ant to Amp\_3m\_참의\_18-40G\_2021-05-21 2. #33\_C2\_Amp to Receiver\_3m\_참의\_18-40G\_2021.05.21 Pre Amp Gain 1. JS44-18004000-35-8P\_2046884\_2020.11.05

No.	FREQ	READING	ANT	LOSS	GAIN	RESULT	LIMIT	MARGIN	ANTENNA	TABLE
	[MHz]	PEAK [dBuV]	FACTOR [dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[DEG]
	HORI	ZONTAL	<u></u>							
2	38069.50	00 37.80 4 00 38.50 4 00 37.80 4	7.00 2	24.80 25.74 26.61	53.31 52.88 52.41	57.45 58.36 59.77	74.0 74.0 74.0	16.55 15.64 14.23	240 140 103	1 1 208
VERTICAL										
5	39078.75	0 41.80 4 0 37.60 4 0 36.80 4	7.13 2	22.52 26.41 26.64	53.62 52.63 52.42	56.80 58.51 58.76	74.0 71.0 74.0	17.2 15.49 15.24	165 200 100	1 1 102



ļ	n mode	EUT Operatio		1	de	onfiguration m	sto
		Test Frequen		Battery		est voltage (V)	
		•		,			
		SSION	ED EM	RADIATE	<u>F</u>		
	Date 2021-09-30						
					DTNC2108-065 BATTERY 24 'C 52 % R.H. FM	rder No. ower Supply emp/Humi est Condition	<u> </u>
						emo	1
			le)	m) - GHz(Averag m) - GHz(Averag	ubpart.B Class B (3 ubpart.B Class B (3	MIT : FCC Part15 FCC Part15	l
						ntenna Factor	
					:_00213177_2021.0 o_3m_창의_18-40G	able Loss	(
			21	_2021-05-21 3-40G_2021.05.2	5_3m_장의_18-40G eceiver_3m_창의_18	#32_C1_Ant to Ar #33_C2_Amp to F re Amp Gain	2
				.11.05	-8P_2046884_2020		
	HORIZONTAL				< <av data="">&gt;</av>	BuV/m]	90 r
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							70
							60 -
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	39.999G Frequency[Hz]	IG	3			20G	18
	VERTICAL				< <av data="">&gt;</av>	BuV/m]	
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			1				40 30 -
							20
			-				10
	39.999G	G	3			20G	0 L 18

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Order No. Power Supply Temp/Humi Test Condition DTNC2108-06585 BATTERY 24 'C 52 % R.H. 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-442-A\_3116C\_00213177\_2021.01.27 Cable Loss 1. #32\_C1\_Ant to Amp\_3m\_창의\_18-40G\_2021-05-21 2. #33\_C2\_Amp to Receiver\_3m\_창의\_18-40G\_2021.05.21 Pre Amp Gain 1. JS44-18004000-35-8P\_2046884\_2020.11.05

No	. FREQ	READING CAV	ANT FACTOR	LOSS	GAIN	RESULT	LIMIT	MARGIN	ANTENNA	TABLE
	[MHz]	[dBuV]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[DEG]
	HORI	ZONTAL								
2	33399.52 38069.28 39963.91	30 25.40	48.16 47.00 47.77	24.80 25.74 26.61	53.31 52.88 52.41	3 45.26	54.00 54.00 54.00	9.55 8.74 6.13	225 167 108	52 109 245
	VERT	ICAL -								
5	27407.82 39078.43 39922.57	30 25.30	46.10 47.13 47.74	22.52 26.41 26.64	53.62 52.63 52.42	46.21	54.00 54.00 54.00	10.50 7.79 6.24	108 211 119	14 53 157



# 9. Revision History

Date	Description	Revised By	Reviewed By
Oct. 15. 2021	Initial report	Hun Lee	HyungJun Kim

-End of test report-