EMC TEST REPORT

28(175-20, Annye Hwaseong-si	EC CO., Ltd. eong-dong) 406-gil sejaro, i, Gyeonggi-do, Korea 251, Fax:031-222-4252	Report No. : KST-	FCC-210028(4)	KOSTEC Co., Ltd http://www.kostec.org
1. Applicant				
• Name :	Dogtra Co., Ltd.			
• Address :	35, Namdongdong-ro 33	3beon-gil, Namdoi	ng-gu, Incheon 21694	4 Rep. of KOREA
2. Test Item				
Product Na	ame : DOG TRAINING I	DEVICE		
Model Nan	ne : 280C			
• FCC ID :	SWN-TD12UR			
3. Manufacture	er			
• Name :	Dogtra Co., Ltd.			
• Address :	35, Namdongdong-ro 33	3beon-gil, Namdo	ng-gu, Incheon 2169	4 Rep. of KOREA
4. Date of Tes	t : Jul. 23, 2021 to Jul	. 25, 2021		
5. Test Metho	d Used :			
Industry Car	:2014 t 15 Subpart B Class B nada ICES-003 Issue 7 CISPR 32:17			
6. Test Result	: Pass			
7. Note: -				
The r	esults shown in this test repo This test repo		ample(s) tested unless OLAS accreditation.	otherwise stated.
Affirmation	Tested by		Technical Manager	
	Name : Young-Seok, S	Shin (Stopature)	Name : Seok-Jin,	Jung (Sighaturg)
		2021 . 11 . 08	۶.	
		KOSTEC Co	., Ltd.	



Revision History of Test Report

Rev.	Revisions	Effect page	Reviewed	Date
-	Initial issue	All	Seok-Jin, Jung	Jul. 27, 2021
1	Add FCC ID location and label	Page 37	Chang-Ho, Lee	Sep. 13, 2021
2	Delete TEST Set UP Photo	All	Chang-Ho, Lee	Oct. 06, 2021
3	Described worst case of orientation	Page 9	Chang-Ho, Lee	Oct. 28, 2021
4	Change product label	Page 31	Chang-Ho, Lee	Nov. 08, 2021



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1. General Information

1.1 Information of EUT

Product Name	DOG TRAINING DEVICE
Model Name	280C
Serial No.	None
Type of Sample Tested	Pre-production
Supplied Power for Test	AC 120 V, 60 Hz, (Battery) DC 3.7 V, 330 mAh, 1.22 Wh
SWITCHING POWER SUPPLY (for EUT)	M/N : HK-AP-050A100-US Manufacturer : Dogtra Input : AC 100 - 240 V, 50/60 Hz, 0.2 A Output : DC 5 V, 1.0 A
Port	DC In, DC Out
Whether or not ground	Without-ground

This information was provided by the customer

Clock used	4 MHz					
High Frequency Used	High Frequency Used 27.195 Mb					
Operating Frequency	(Rx) 27.195 M址					
Hardware Version	RevNTC					
Software Version	N28-Rev1100					
Model differences						
Model name	Difference	Tested (checked)				
-	-	-				

1.2 Applicants Information

Applicant	Dogtra Co., Ltd.
Address	35, Namdongdong-ro 33beon-gil, Namdong-gu, Incheon 21694 Rep. of KOREA
Telephone No.	+82-32-812-2445
Facsimile No.	+82-32-812-2449
Contact person	Park In jun (paul@dogtra.com)



2. Information of Testing Laboratory

Test laboratory and address

KOSTEC Co., Ltd. 28(175-20,Annyeong-dong)406-gil sejaro, Hwaseong-si Gyeonggi-do, Korea Telephone Number: 82-31-222-4251 Facsimile Number: 82-31-222-4252

Registration information

KOLAS No.: KT232 RRA(National Radio Research Agency): KR0041 FCC Designation No.: KR0041 IC Designation No.: KR0041 VCCI Membership No. : 2005 VCCI Registration No. of EMI site: R-14202 / C-14685 / G-10834 / T-12225

Route Map of Measurement Facility





3. Test System Configuration

3.1 Operation Environment

Test Items	Test date	Temp (℃)	Humidity (%R.H.)
Conducted Emissions	Jul. 23	21	53
Radiated Emission (Below 1 Gz)	Jul. 24	23	52
Radiated Emission (Above 1 GHz)	Jul. 25	23	(51 ~ 52)

3.2 Measurement Uncertainty

Test Items	k p	Expanded Uncertainty	Note
Conducted Emissions	2	±3.62 dB	-
Radiated Emission (Below 1 Glz)	2	±4.26 dB	-
Radiated Emission (Above 1 GHz)	2	±3.58 dB	-

3.3 Sample calculation

Conducted Emission

The field strength is calculated by adding the LISN factor, cable loss from the measured reading. The sample calculation is as follows:

FS = MR + Factor MR = Meter Reading Factor = Ant. Factor, Cable Loss, etc

If MR is 30 dB, LISN Factor 1 dB, CL 1 dB The result (MR) is 30 + 1 + 1 = 32 dB μ V



4. Condition and Procedure for Test activities

4.1 Configuration of EUT

Description	Model or Part No.	Serial No.	Manufacturer
DOG TRAINING DEVICE	280C	None	Dogtra Co., Ltd.
SWITCHING POWER SUPPLY	HK-AP-050A100-US	None	Dogtra Co., Ltd.

4.2 Used Peripherals

Description	Model or Part No. Serial No.		Manufacturer
-	-	-	-

4.3 Used cables

[Mode 1]

Cable Type	Shield	Length (m)	Ferrite	Connector	Connection Point 1	Connection Point 2
DC In	No	1.5	No	Din	EUT	SWITCHING POWER SUPPLY

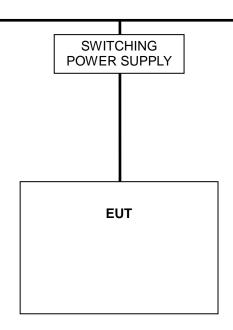
[Mode 2, Mode 3]

Cable Type	Shield	Length (m)	Ferrite	Connector	Connection Point 1	Connection Point 2
-	-	-	-	-	EUT	-

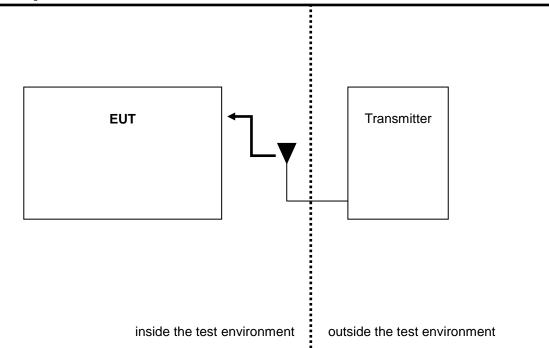


4.4 EUT Test Configuration

[Mode 1]



[Mode 2, Mode 3]





4.5 Operating conditions

[Mode 1]

After setting, the DC In ports of EUT was connected to SWITCHING POWER SUPPLY. After that, the EUT were observed on continuously charge conditions.

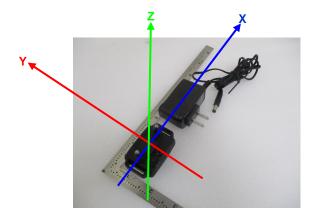
[Mode 2, Mode 3]

After setup, the EUT was observed continuous operating conditions in a state of wireless communication.

*** Test Mode**

- Mode 1 : Charge Mode
- Mode 2 : Vibration Mode
- Mode 3 : Electric Mode

* Worst case of 3 orientations : X axis





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5. Summary of Test Results

5.1 Modification to the EUT

5.2 Summary of Test Results

The following tests were performed on a sample submitted for evaluation of compliance with FCC Part 15 Subpart B

Clause	Test Requirement	Result
15.107	Conducted Emissions	Pass
15.109	Radiated Emission (Below 1 Glz)	Pass
15.109	Radiated Emission (Above 1 Glz)	Pass

Note 1) N/A mean is Not Applicable.

Note 2) Decision rule: The statement of conformity in this report was judged according to the specification limits of the standard without considering uncertainty.

Note 3) This equipment has been shown to be in compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in ANSI C63.4-2014



6. Test Results

6.1 Conducted Emission

6.1.1 Measurement procedure

If the EUT is table top equipment, it was placed on a wooden table with a height of 0.8 m above the reference ground plane and 0.4 m from the conducting wall of the shielded room. Also if the EUT is floor-standing equipment, it was placed on a non-conducted support with a height up to 0.15 m above the reference ground plane.

Connect the EUT's power source lines to the appropriate power mains / peripherals through the LISN. All the other peripherals are connected to the 2nd LISN, if any.

Unused measuring port of the LISN was resistively terminated by 50 ohm terminator. 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 Average detector.

By varying the configuration of the test sample and the cable routing it was attempted to maximize the emission.

For further description of the configuration refer to the picture of the test set-up.

6.1.2 Limit for conducted emission

F	Limits [dB(µV)]					
Frequency range [Mb]	Quas	i-peak	Average			
[ume]	Class A	Class B	Class A	Class B		
0.15 to 0.50	79	66 to 56	66	56 to 46		
0.50 to 5	70	56	60	46		
5 to 30	73	60	- 60	50		
Note 1 The lower limit shall apply at the transition frequencies.						

(1) Conducted emission at mains ports.

Note 2 The limit decreases linearly with the logarithm of the frequency in the range 0.15 Mb to 0.5 Mb.

Note) 1. Emission level = Reading value + Correction factor.

2. Correction factor = Cable loss + Insertion loss of LISN

3. Margin = Limit - Emission level



6.1.3 Used equipment

Equipment	Model No.	Serial No.	Manufacturer	Next cal date	Used
Test Receiver	ESCS30	100111	Rohde & Schwarz	2022. 01. 20	\bullet
EMI RECEIVER	ER-30	L0910A010	LIG	2021. 08. 31	-
Pulse Limiter	ESH3-Z2	100097	Rohde & Schwarz	2022. 01. 20	•
Pulse Limiter	ESH3-Z2	100022	Rohde & Schwarz	2022. 01. 20	-
LISN	ESH3-Z5	100147	Rohde & Schwarz	2022. 01. 20	•
LISN	ESH2-Z5	100044	Rohde & Schwarz	2022. 01. 20	-
LISN	ESH2-Z5	100060	Rohde & Schwarz	2022. 01. 20	-
LISN	3825/2	9402-2163	EMCO	2022. 01. 20	-
Test Program	ESxS-K1 Ver2.2	None	Rohde & Schwarz	-	•
Test Program	ETS2008 Ver2.40	None	LIG	-	-

6.1.4 Test data

	< Class B >											
Freq.	Fact	t or [dB]			QI	2			CISPE	R-AV		
[MHz]	ME LISN CABL	CABLE +P/L	POL	Limit [dB(#V])	Reading [dB(#V)]	Result [dB(µV)]	Margin [dB]	Limit [dB(#V])	Reading [dB(#V)]	Result [dB(⊭V)]	Margin [dB]	
0.298	0.11	9.86	Ν	60.29	47.49	47.60	12.69	50.29	37.80	37.91	12.38	
0.310	0.12	9.86	L	59.97	42.12	42.24	17.73	49.97	28.60	28.72	21.25	
0.322	0.11	9.86	Ν	59.66	48.03	48.14	11.52	49.66	39.90	40.01	9.65	
0.373	0.11	9.86	Ν	58.44	54.81	54.92	3.52	48.44	45.30	45.41	3.03	
0.380	0.11	9.86	Ν	58.27	53.79	53.90	4.37	48.27	43.80	43.91	4.36	
0.396	0.11	9.86	Ν	57.93	54.53	54.64	3.29	47.93	44.60	44.71	3.22	
0.408	0.12	9.86	L	57.69	39.95	40.07	17.62	47.69	32.10	32.22	15.47	
0.420	0.11	9.86	Ν	57.46	51.78	51.89	5.57	47.46	44.10	44.21	3.25	
0.431	0.12	9.86	L	57.23	44.20	44.32	12.91	47.23	30.80	30.92	16.31	

* LISN: LISN insertion Loss, Cable: Cable Loss, P/L: pulse limiter factor

* L: Line. Live, N: Line. Neutral * Reading: test receiver reading value (with cable loss & pulse limiter factor)

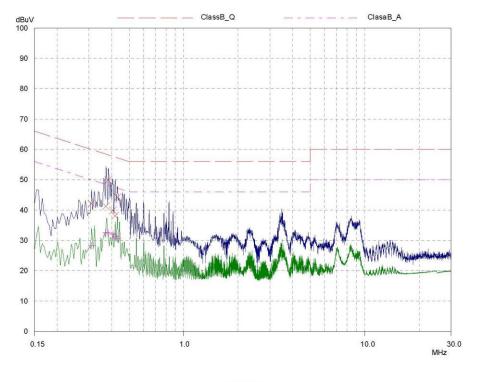
* Result = LISN + Reading



6.1.5 Conducted emission test graph

Line. Live

Kostec Co	.,Ltd							23	Jul 2021
Conducted	d Emissio	n							
EUT:	KST-F	0-21-0048							
Manuf: Op Cond:	AC 12	0V 60Hz							
Operator:	Y.S.S	HIN							
Test Spec:	FCC								
Comment:	L								
Result File:	0048_	l.dat : New Me	asurement						
Scan Settings	(1 Ra					Ressiver Se	ttin an		
Scan Settings	Frequer		Sten	IF BW	Detector	 Receiver Se M-Time 	-	Preamp	OpRae
Scan Settings Start 150kHz		ncies	Step 3.9063kHz	IF BW 9kHz	Detector PK+AV	 Receiver Se M-Time 10msec 	ttings Atten 15 dB	Preamp OFF	OpRge 60dB
Start 150kHz	Frequer Stop	ncies				M-Time	Atten		
Start 150kHz	Frequer Stop 30MHz	ncies	3.9063kHz Stop		PK+AV	M-Time	Atten		
Start	Frequer Stop 30MHz No. 11	Start	3.9063kHz Stop 30	9kHz	PK+AV Name	M-Time	Atten		
Start 150kHz Transducer	Frequer Stop 30MHz No. 11	Start 9kHz	3.9063kHz Stop 30	9kHz PMHz	PK+AV Name	M-Time	Atten		
Start 150kHz Transducer	Frequer Stop 30MHz No. 11	Start Start 9kHz Detectors:	3.9063kHz Stop 30 X QP	9kHz PMHz	PK+AV Name	M-Time	Atten		

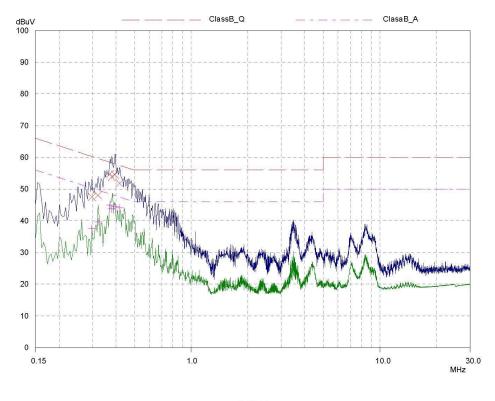


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Line. Neutral

Kostec Co	.,Ltd							23	Jul 2021 14:14
Conducted	d Emiss	ion							
EUT:	KS	Г-Р0-21-0048							
Manuf:									
Op Cond:	AC	120V 60Hz							
Operator:	Y.S	SHIN							
Test Spec:	FC	0							
Comment:	N								
Result File:	004	8_n.dat : New Me	easurement						
Scan Settings		Range)							
	— Frequ	uencies	1	[Receiver Se 	ttings		
Start	Stop		Step	IF BW	Detector	M-Time	Atten	Preamp	OpRge
150kHz	30M	Hz	3.9063kHz	9kHz	PK+AV	10msec	15 dB	OFF	60dB
Transducer	No.	Start	Stop		Name				
	11	9kHz	30	MHz	MAIN				
Final Measurer	nent:	Detectors:	X QP	/+ AV					
		Meas Time:	1sec						
		Peaks:	25						
		Acc Margin:	50 dE	3					



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6.2 Radiated Emission

6.2.1 Measurement procedure

The radiated disturbance was measured and set-up was made accordance with ANSI C63.4. If the EUT is tabletop equipment, it was placed on a wooden table with a height of 0.8 m above the reference ground plane and 3 m or 10 m away from the interference receiving antenna in the 10 m semi-anechoic chamber.

Also if the EUT is floor-standing equipment, it was placed on a non-conducted support with a height up to 0.15 m above the reference ground plane.

Rotate the EUT from (0 - 360)° and position the receiving antenna at heights from (1 - 4) m above the reference ground plane continuously to determine associated with higher emission levels and record them.

The measurement was made in both the vertical and horizontal polarization, and the maximum value is presented in the report.

For below 1 GHz frequency range, Quasi-Peak detector with 120 kHz RBW was used.

Also Peak and Average detector with 1 Mb RBW were used for above 1 Gb frequency range. For further description of the configuration refer to the picture of the test set-up.

6.2.2 Limit for Radiated emission

- 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 [雕]	Upper frequency of measurement range [雕]
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

(1) Limit for Radiated emission below 1 000 Mz

Frequency range [쌘]	Class A Equipment (10 m distance) Quasi-peak [dB(µV/m)]	Class B Equipment (3 m distance) Quasi-peak [dB(µV/m)]
30 to 88	39.1	40
88 to 216	43.5	43.5
216 to 960	46.4	46
960 to 1 000	49.5	54
Note 3 According to 15.109(g), as	at the transition frequency. be required for cases where interference an alternative to the radiated emission wn to comply with the standards(CISPF	limit shown above,
Frequency range [Mb]	Cláss A Equipment (10 m distance) Quasi-peak [dB(μV/m)]	Class B Equipment (10 m distance) Quasi-peak [dB(µV/m)]
30 to 230	40	30
230 to 1 000	47	37



Frequency	Class A E	quipment	Class B E	quipment
[GHz]	Peak [dB(µV/m)]	Average [dB(μV/m)]	Peak [dB(μV/m)]	Average [dB(µV/m)]
1 to 40	80	60	74	54

(2) Limits for Radiated emission above 1 000 Mb at a measuring distance of 3 m

Note) 1. Emission level = Reading value + Correction factor.

2. Correction factor = Cable loss - Amp gain + Antenna factor + Distance compensation value

3. Margin = Limit - Emission level

Fig.1 Dimensions of test site (Below 1 GHz) : Class A (10 m), Class B (3 m)

Semi-Anechoic Chamber (9.8 m x 18.8 m x 8.7 m)

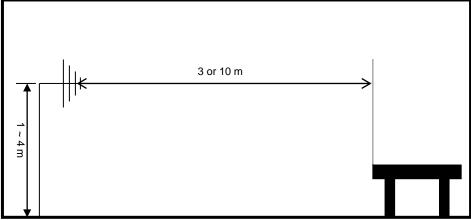
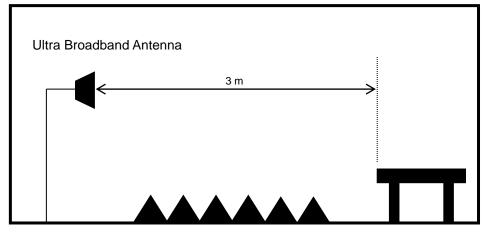


Fig.2 Dimensions of test site (Above 1 GHz)

Semi-Anechoic Chamber + Absorber





6.2.3 Used equipment

1) Below 1 GHz

3 m Semi-Anechoic chamber

Equipment	Model No.	Serial No.	Manufacturer	Next cal date	Used
Test Receiver	ESI	837514/004	Rohde & Schwarz	2021. 08. 31	•
Hybrid Antenna	VULB9168	606	Schwarzbeck	2022. 09. 21	•
LOW NOISE AMPLIFIER	TK-PA01S	200141-L	TESTEK	2021. 09. 23	•
Antenna Mast	MA4640	None	innco systems GmbH	-	•
Turn Table	DS2000-S-1t	None	innco systems GmbH	-	•

10 m Semi-Anechoic chamber

Equipment	Model No.	Serial No.	Manufacturer	Next cal date	Used
Test Receiver	ESCI7	100823	Rohde & Schwarz	2022. 01. 20	-
Test Receiver	ESPI	100488	Rohde & Schwarz	2022. 01. 20	_
Biconilog Antenna	3142B	1745	EMCO	2022. 04. 24	-
Biconilog Antenna	3142B	9910-1432	EMCO	2022. 04. 07	-
AMPLIFIER	TK-PA6S	120009	TESTEK	2022. 01. 19	-
Antenna Master	MA4000-EP	None	innco systems GmbH	-	-
Turn Table	None	None	innco systems GmbH	-	_



2) Above 1 GHz

3 m Semi-Anechoic chamber

Equipment	Model No.	Serial No.	Manufacturer	Next cal date	Used
Test Receiver	ESI	837514/004	Rohde & Schwarz	2021. 08. 31	
Horn Antenna	3115	2996	EMCO	2022. 02. 14	•
Broadband Horn Antenna	BBHA 9170	743	SCHWARZBECK MESS-ELEKTRONIK	2023. 01. 21	-
Antenna Mast	MA4640	None	innco systems GmbH	-	•
Turn Table	DS2000-S-1t	None	innco systems GmbH	-	•
AMPLIFIER	8449B	3008A02577	Agilent	2022. 01. 19	•
Low Noise Amplifier	TK-PA1840H	160010-L	TESTEK	2022. 01. 21	-

10 m Semi-Anechoic chamber

Equipment	Model No.	Serial No.	Manufacturer	Next cal date	Used
Test Receiver	ESI	837514/004	Rohde & Schwarz	2021. 08. 31	_
Test Receiver	ESCI7	100823	Rohde & Schwarz	2022. 01. 20	_
Test Receiver	ESCI7	100969	Rohde & Schwarz	2022. 01. 20	_
Horn Antenna	3115	2996	EMCO	2022. 02. 14	-
Antenna Master	MA4000-EP	None	innco systems GmbH	-	-
Turn Table	None	None	innco systems GmbH	-	-
AMPLIFIER	TK-PA6S	120009	TESTEK	2022. 01. 19	_
AMPLIFIER	8449B	3008A02577	Agilent	2022. 01. 19	-
AMPLIFIER	8449B	3008A00149	H.P	2021. 09. 01	_
Low Noise Amplifier	TK-PA1840H	160010-L	TESTEK	2022. 01. 21	-



6.2.4 Test data

a) Below 1 GHz

[Mode 1]

•	< Class B >													
Freg.	Reading		н		Factor		Limit	Result	Margin					
[Mæ]	[dB(µV)]	POL	[m]	ANT. [dB/m]	CABLE [dB]	AMP. [dB]	[dB(<i>µ</i> V/m)]	[dB(µN/m)]	[dB]					
46.05	60.10	V	1.0	19.54	0.85	46.46	40.00	34.04	5.96					
50.81	60.82	V	1.0	19.64	0.91	46.49	40.00	34.88	5.12					
65.90	52.31	V	1.0	18.03	1.08	46.48	40.00	24.93	15.07					
75.85	60.54	V	1.0	16.02	1.10	46.47	40.00	31.18	8.82					
140.77	48.44	V	1.0	18.51	1.50	46.44	43.50	22.00	21.50					
183.86	51.95	V	1.0	17.34	1.72	46.41	43.50	24.60	18.90					

*Result = Reading + Antenna factor + Cable loss - AMP. *Reading : Test receiver reading value

*POL = Antenna polarization / H = Antenna Height *Receiving antenna mode : Horizontal, Vertical

*ANT. = Antenna factor / CABLE = Cable loss / AMP. : Gain of the amplifier

[Mode 2]

< Class B >													
Freq.	Reading		ц		Factor		Limit	Result	Margin				
[MHz]	[dB(µV)]	POL	[m]	ANT. [dB/m]	CABLE [dB]	AMP. [dB]	[dB(<i>µ</i> V/m)]	[dB(#V/m)]	[dB]				
34.28	40.80	V	1.0	18.67	0.75	46.35	40.00	13.87	26.13				

*Result = Reading + Antenna factor + Cable loss - AMP. *Reading : Test receiver reading value *POL = Antenna polarization / H = Antenna Height *Receiving antenna mode : Horizontal, Vertical *ANT. = Antenna factor / CABLE = Cable loss / AMP. : Gain of the amplifier

~ .

※ Except for the above data, the emission levels were very low, so that the other data are not reported. (See Radiated Emission Graph)

[Mode 3]

	< Class B >													
Freq.	Reading		н		Factor		Limit	Result	Margin					
[MHz]	[dB(µV)]	POL	[m]	ANT. [dB/m]	CABLE [dB]	AMP. [dB]	[dB(<i>µ</i> V/m)]	[dB(#V/m)]	[dB]					
34.28	41.46	V	1.0	18.67	0.75	46.35	40.00	14.53	25.47					

*Result = Reading + Antenna factor + Cable loss - AMP. *Reading : Test receiver reading value *POL = Antenna polarization / H = Antenna Height *Receiving antenna mode : Horizontal, Vertical *ANT. = Antenna factor / CABLE = Cable loss / AMP. : Gain of the amplifier

※ Except for the above data, the emission levels were very low, so that the other data are not reported. (See Radiated Emission Graph)



< Class B >

b) Above 1 GHz

[Mode 1]

	< Class D >													
Freq. [^{GHz}]	Rea	Reading		Р		Fa	ctor		Peak			CISPR Average		
	Peak [dB(µV)]	Average [dB(µV)]	0 L		ANT. [dB/m]	CABLE [dB]	AMP. [dB]	Distance [dB]	Limit [dB(µV/m)]	Result [dB(µV/m)]	Margin [dB]	Limit [dB(µV/m)]	Result [dB(µV/m)]	Margin [dB]
1.493	51.30	37.31	V	1.0	25.28	4.82	31.59	1.34	74.00	49.80	24.20	54.00	35.81	18.19
3.336	45.40	32.10	V	1.0	31.03	7.95	30.36	1.34	74.00	54.02	19.98	54.00	40.72	13.28
3.724	45.50	32.00	V	1.0	31.97	8.46	30.50	1.34	74.00	55.43	18.57	54.00	41.93	12.07
6.569	44.90	31.39	V	1.0	35.17	12.47	30.09	1.34	74.00	62.44	11.56	54.00	48.93	5.07
9.969	40.50	27.44	V	1.0	37.59	15.09	30.03	1.34	74.00	63.15	10.85	54.00	50.09	3.91
13.950	34.03	19.67	V	1.0	41.51	17.79	27.97	1.34	74.00	65.37	8.63	54.00	51.01	2.99
*Deeult	Dir			1							. 1			

*Result = Reading + Antenna factor + Cable loss - AMP. + Distance compensation value

*Reading : test receiver reading value *POL = Antenna Polarization / H = Antenna Height

*ANT. = Antenna factor / CABLE = used Cable loss / AMP. : Gain of the Amplifier /

Distance : Distance compensation value

* Receiving Antenna Mode : Horizontal, Vertical

[Mode 2]

< Class B >

Freq.	Reading		Р	н	Factor			Peak			CISPR Average			
[^{GHz}]	Peak [dB(µV)]	Average [dB(µV)]	O L	[m]	ANT. [dB/m]	CABLE [dB]	AMP. [dB]	Distance [dB]	Limit [dB(µV/m)]	Result [dB(µV/m)]	Margin [dB]	Limit [dB(µV/m)]	Result [dB(µV/m)]	Margin [dB]
1.432	56.86	39.36	V	1.0	25.10	4.79	31.71	1.58	74.00	55.03	18.97	54.00	37.53	16.47
1.465	58.86	41.89	V	1.0	25.20	4.80	31.65	1.58	74.00	57.21	16.79	54.00	40.24	13.76
1.491	59.88	46.66	V	1.0	25.27	4.82	31.60	1.58	74.00	58.37	15.63	54.00	45.15	8.85
1.517	60.73	43.30	V	1.0	25.32	4.84	31.58	1.58	74.00	59.31	14.69	54.00	41.88	12.12
1.571	57.72	43.44	V	1.0	25.37	4.90	31.57	1.58	74.00	56.42	17.58	54.00	42.14	11.86
1.626	53.80	40.86	V	1.0	25.61	4.91	31.56	1.58	74.00	52.76	21.24	54.00	39.82	14.18

*Result = Reading + Antenna factor + Cable loss - AMP. + Distance compensation value

*Reading : test receiver reading value *POL = Antenna Polarization / H = Antenna Height

*ANT. = Antenna factor / CABLE = used Cable loss / AMP. : Gain of the Amplifier /

Distance : Distance compensation value

* Receiving Antenna Mode : Horizontal, Vertical



[Mode	3]
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<	Class	в	>
<	Class	в	>

Freq. [^{GHz}]	Reading		Р	н		Factor			Peak			CISPR Average		
	Peak [dB(µV)]	Average [dB(µV)]	0 L	[m]	ANT. [dB/m]	CABLE [dB]	AMP. [dB]	Distance [dB]	Limit [dB(µV/m)]	Result [dB(µV/m)]	Margin [dB]	Limit [dB(µV/m)]	Result [dB(µV/m)]	Margin [dB]
1.465	58.85	41.89	V	1.0	25.20	4.80	31.65	1.58	74.00	57.20	16.80	54.00	40.24	13.76
1.491	59.81	46.36	V	1.0	25.27	4.82	31.60	1.58	74.00	58.30	15.70	54.00	44.85	9.15
1.517	60.27	42.91	V	1.0	25.32	4.84	31.58	1.58	74.00	58.85	15.15	54.00	41.49	12.51
1.544	60.60	43.02	V	1.0	25.34	4.87	31.57	1.58	74.00	59.24	14.76	54.00	41.66	12.34
1.580	57.52	43.51	V	1.0	25.38	4.91	31.56	1.58	74.00	56.24	17.76	54.00	42.23	11.77
1.957	51.03	38.53	۷	1.0	27.30	5.47	31.51	1.58	74.00	52.28	21.72	54.00	39.78	14.22

*Result = Reading + Antenna factor + Cable loss - AMP. + Distance compensation value

*Reading : test receiver reading value *POL = Antenna Polarization / H = Antenna Height

*ANT. = Antenna factor / CABLE = used Cable loss / AMP. : Gain of the Amplifier /

Distance : Distance compensation value

* Receiving Antenna Mode : Horizontal, Vertical



6.2.5 Radiated Emission test graph

a) Below 1 GHz









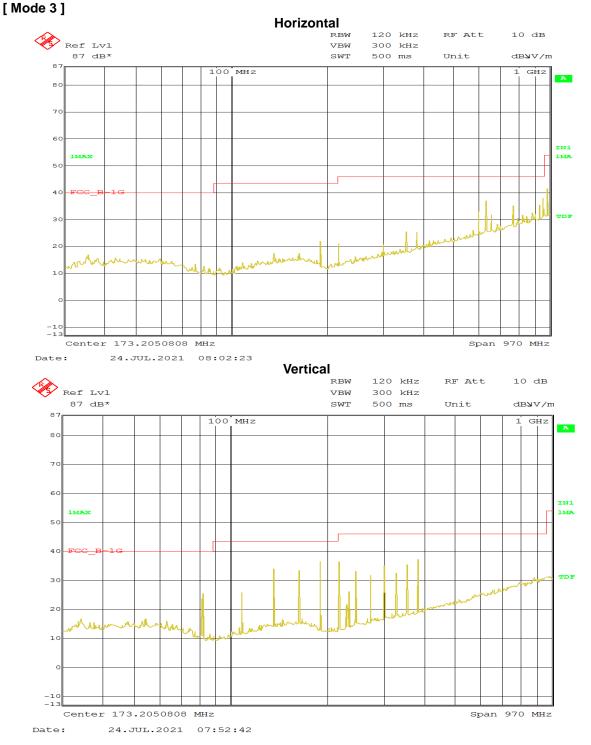


* Fundamental frequency of transmitter : 27.195 Mb

* Harmonic Frequency of transmitter :

81.585 MHz, 108.78 MHz, 135.975 MHz, 163.17 MHz, 190.365 MHz, 217.56 MHz, 244.755 MHz, 271.95 MHz, 299.145 MHz, 326.34 MHz, 353.535 MHz, 598.29 MHz, 625.485 MHz, 652.68 MHz, 679.875 MHz, 788.655 MHz, 815.85 MHz, 870.24 MHz, 924.63 MHz, 951.825 MHz, 979.02 MHz





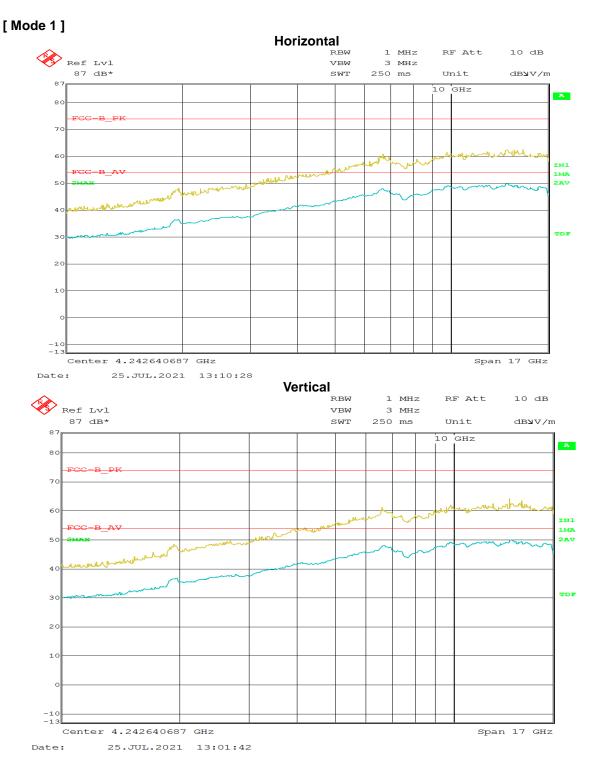
* Fundamental frequency of transmitter : 27.195 Mb

* Harmonic Frequency of transmitter :

81.585 MHz, 108.78 MHz, 135.975 MHz, 163.17 MHz, 190.365 MHz, 217.56 MHz, 244.755 MHz, 271.95 MHz, 299.145 MHz, 326.34 MHz, 353.535 MHz, 380.73 MHz, 598.29 MHz, 625.485 MHz, 652.68 MHz, 679.875 MHz, 788.655 MHz, 815.85 MHz, 870.24 MHz, 924.63 MHz, 951.825 MHz, 979.02 MHz

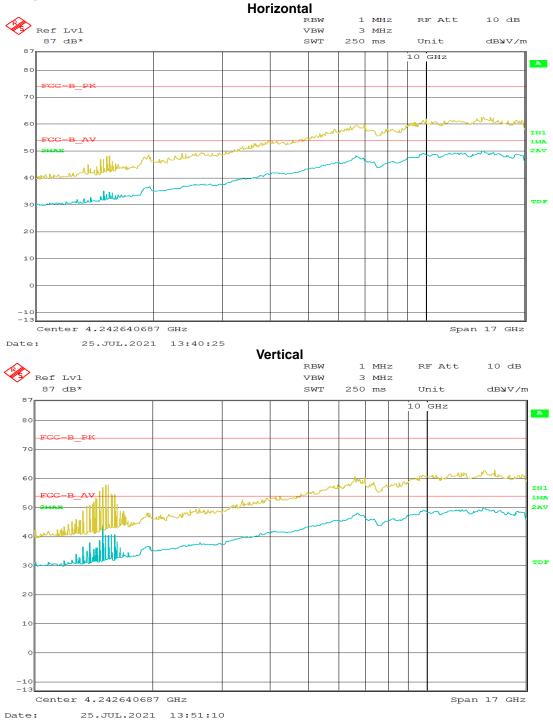


b) Above 1 GHz



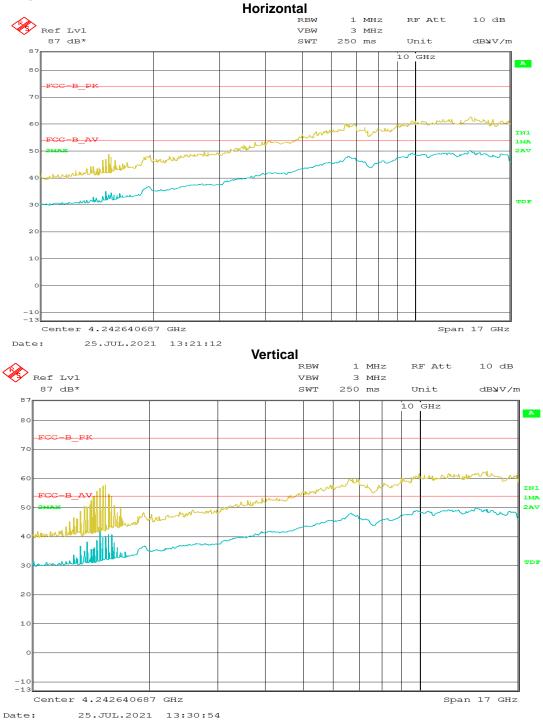






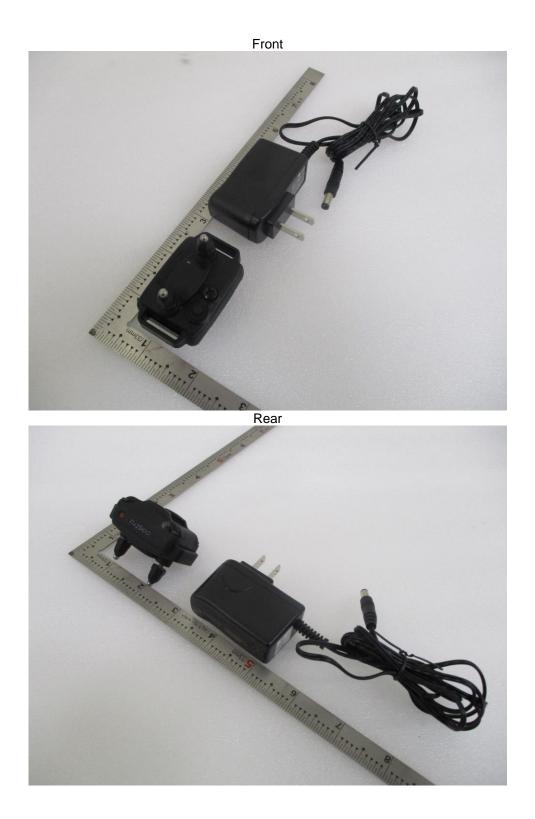








EUT











Blank





Label

