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. : DREETC1912-0228

2. Client / Applicant

   • Name : LG Electronics USA, Inc.

   • Address : 1000 Sylvan Avenue Englewood Cliffs, New Jersey, United States 07632

3. Use of Report : FCC Verification

4. Product Name / Test Model Name : Mobile Phone / LM-V600TM

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

6. Date of Test : Dec. 06. 2019 ~ Dec. 10. 2019

7. Testing Environment : Temperature (21 ~ 24) °C , Humidity (40 ~ 47) % R.H.

8. Test Result : Refer to the attached Test Result

Affirmation	Tested by	Reviewed by
	Name : JunSeo Park (Signature)	Name : HyungJun Kim (Signature)

The test results presented in this test report are limited only to the sample supplied by applicant and the use of this test report is inhibited other than its purpose.

Dec. 13. 2019

DT&C Co., Ltd.

If this report is required to confirmation of authenticity, please contact to report@dtnc.net

CONTENTS

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.dtnc.net
Tel: +82-31-321-2664 Fax: +82-31-321-1664

2. Test Laboratory

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 101842 678747, 596748, 804488, 165783	Accredited 2.948 Listed
	Canada	IC	5740A-3 5740A-4	Registered
	Japan	VCCI	C-1427 R-3385, R-4076, R-4180, R-4496, T-1442, G-10338, G-754, G-10815, G-20051	Registered
Certification	Korea	KC	KR0034	Designation
	Germany	TUV	CARAT 089112 0006 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

Applicant	LG Electronics USA, Inc. 1000 Sylvan Avenue Englewood Cliffs, New Jersey, United States 07632
Manufacturer	LG Electronics USA, Inc. 1000 Sylvan Avenue Englewood Cliffs, New Jersey, United States 07632
Factory	LG Electronics USA, Inc. 1000 Sylvan Avenue Englewood Cliffs, New Jersey, United States 07632
Product Name	Mobile Phone
Model Name	LM-V600TM
Add Model Name	None
Rated Power	DC 3.85 V
Remarks	None

Accessory

Equipment	No.	Manufacturer	Model Name	Product Number
Ear-Mic	1	Cresyn	-	EAB63728244
	2	Bujeon	-	EAB63728245
Data cable	1	Luxshare	L1LUC014-CS-H	EAD65830101
Travel Adaptor	1	Aohai	MCS-P02WA	EAY65749202

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	FORNT CAMERA+MP3	EUT is playing MP3 PLAY while recording video with the front camera. (1.cresyn+luxshare+aohai / 2.bujeon+luxshare+aohai)
2	REAR CAMERA+RADIO	EUT is receiving FM radio while shooting video with rear camera (1.cresyn+luxshare+aohai / 2.bujeon+luxshare+aohai)
3	IDLE	EUT is Tested on standby (1.cresyn+luxshare+aohai / 2.bujeon+luxshare+aohai)
4	TOF	ToF Camera in continuous shooting mode (1.cresyn+luxshare+aohai / 2.bujeon+luxshare+aohai)

4.3 Test Configuration Mode

No.	Mode	Description
1	FORNT CAMERA+MP3	The EUT is connected to the Travel Adaptor and is charging.Connected Earphones (1.cresyn+luxshare+aohai / 2.bujeon+luxshare+aohai)
2	REAR CAMERA+RADIO	The EUT is connected to the Travel Adaptor and is charging.Connected Earp hones (1.cresyn+luxshare+aohai / 2.bujeon+luxshare+aohai)
3	IDLE	The EUT is connected to the Travel Adaptor and is charging.Connected Earp hones (1.cresyn+luxshare+aohai / 2.bujeon+luxshare+aohai)
4	TOF	The EUT is connected to the Travel Adaptor and is charging.Connected Earp hones (1.cresyn+luxshare+aohai / 2.bujeon+luxshare+aohai)

4.4 Supported Equipment

Used*	Product Type	Manufacturer	Model	Remarks
-	-	-	-	-

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

4.5 EUT In/Output Port

Name	Type*	Cable Max. >3 m	Cable Shielded	Cable Back shell	Remarks
AUX	I/O	1.5	Non shield	Plastic	EUT
USB	I/O	1.5	shield	Plastic	EUT

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

4.6 Test Voltage and Frequency

Case	Voltage (V)	Frequency (Hz)	Phases	Remarks
1	AC 120	60	Single	None

5. Test Summary

Test Items	Applied Standards	Results
Conducted Disturbance	ANSI C63.4:2014	C
Radiated Disturbance	ANSI C63.4:2014	C
C=Comply N/C=Not Comply N/T=Not Tested N/A=Not Applicable		

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]
0.16050	L1	52.61	Cispr - Average	65.44	12.83

-Radiated Disturbance

Frequency [MHz]	Pol.	Result [dBµV/m]	Detector	Limit [dBµV/m]	Margin [dB]
39998.450	H	47.29	Cispr - Average	54.00	6.71

6. Test Environment

Test Items	Test date (YYYY-MM-DD)	Temp. (℃)	Humidity (% R.H.)	Pressure (kPa)
Conducted Disturbance	2019-12-10	24	42	-
Radiated Disturbance	2019-12-06 2019-12-07 2019-12-08 2019-12-10	23 23 21 23	40 40 44 47	-

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.		**Comply**

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**	**1, 2, 3, 4**
	EUT Operation mode	**1, 2, 3, 4**

Limits – Class A

Frequency (MHz)	**Limit dBµV**	
	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 uncertainty	
Expended uncertainty *U* (95 %, Confidence level, *k* = 2)	2.44 dB
The measurement uncertainties were calculated in accordance with requirements of ANSI C 63.4-2014.	

Measurement Instrument					
Description	**Model**	**Manufacturer**	**Identifier**	**Cal. Date**	**Cal. Due**
MEASUREMENT SOFTWARE	EMI-C VER. 2.00.0171	TSJ	N/A	N/A	N/A
EMI TEST RECEIVER	ESR7	ROHDE & SCHWARZ	101109	2019.10.24	2020.10.24
LISN	ENV216	ROHDE & SCHWARZ	101979	2019.12.09	2020.12.09
TRANSIENT LIMITER	TL-B0930A	EMCIS	11002	2019.08.30	2020.08.30
50 OHM TERMINATOR	CT-01	TME	N/A	2018.12.19	2019.12.19

Mains terminal disturbance voltage _Measurement data			
Test configuration mode	**1**	**EUT Operation mode**	**1**
Test voltage (V)	**120**	**Test Frequency (Hz)**	**60**
Travel Adaptor	**Aohai**	**Ear-Mic**	**Cresyn**

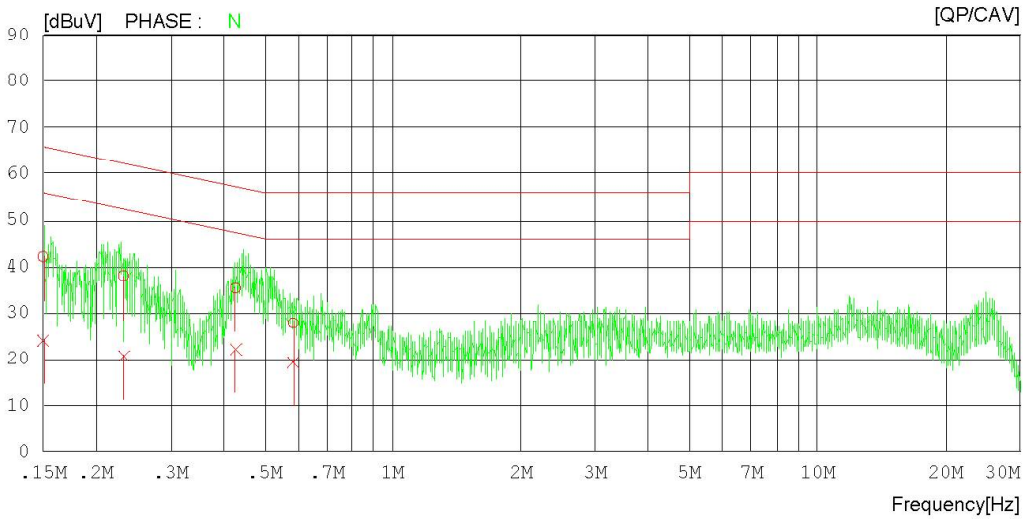
Results of Conducted Emission

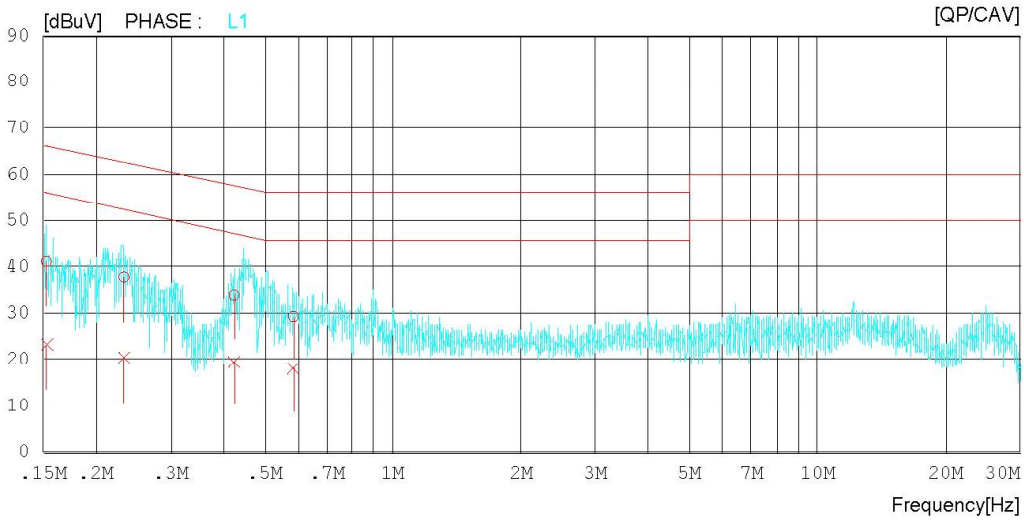
DT&C
Date 2019-12-10

Order No. DTNC1911-09483
Power Supply 120 V 60 Hz
Temp/Humi/Atm 24 'C 42 % R.H.
Test Condition FRONT CAMERA+MP3

Memo Aohai+luxshare+cresyn

LIMIT : CISPR32_B QP
CISPR32_B AV





Results of Conducted Emission

DT&C
Date 2019-12-10

Order No. DTNC1911-09483
Power Supply 120 V 60 Hz
Temp/Humi/Atm 24 'C 42 % R.H.
Test Condition FRONT CAMERA+MP3

Memo Aohai+luxshare+cresyn

LIMIT : CISPR32_B QP
CISPR32_B AV

NO	FREQ	READING QP	READING CAV	C.FACTOR	RESULT QP	RESULT CAV	LIMIT QP	LIMIT CAV	MARGIN QP	MARGIN CAV	PHASE
	[MHz]	[dBuV]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	
1	0.15000	22.19	4.12	19.91	42.10	24.03	66.00	56.00	23.90	31.97	N
2	0.23184	18.27	0.80	19.87	38.14	20.67	62.38	52.38	24.24	31.71	N
3	0.42621	15.24	1.89	20.19	35.43	22.08	57.33	47.33	21.90	25.25	N
4	0.58227	7.58	-0.97	20.24	27.82	19.27	56.00	46.00	28.18	26.73	N
5	0.15275	21.14	3.12	19.95	41.09	23.07	65.85	55.85	24.76	32.78	L1
6	0.23250	17.91	0.50	19.87	37.78	20.37	62.36	52.36	24.58	31.99	L1
7	0.42226	13.56	-0.68	20.19	33.75	19.51	57.40	47.40	23.65	27.89	L1
8	0.58348	9.17	-2.04	20.24	29.41	18.20	56.00	46.00	26.59	27.80	L1

Mains terminal disturbance voltage _Measurement data			
Test configuration mode	**2**	**EUT Operation mode**	**2**
Test voltage (V)	**120**	**Test Frequency (Hz)**	**60**
Travel Adaptor	**Aohai**	**Ear-Mic**	**Cresyn**

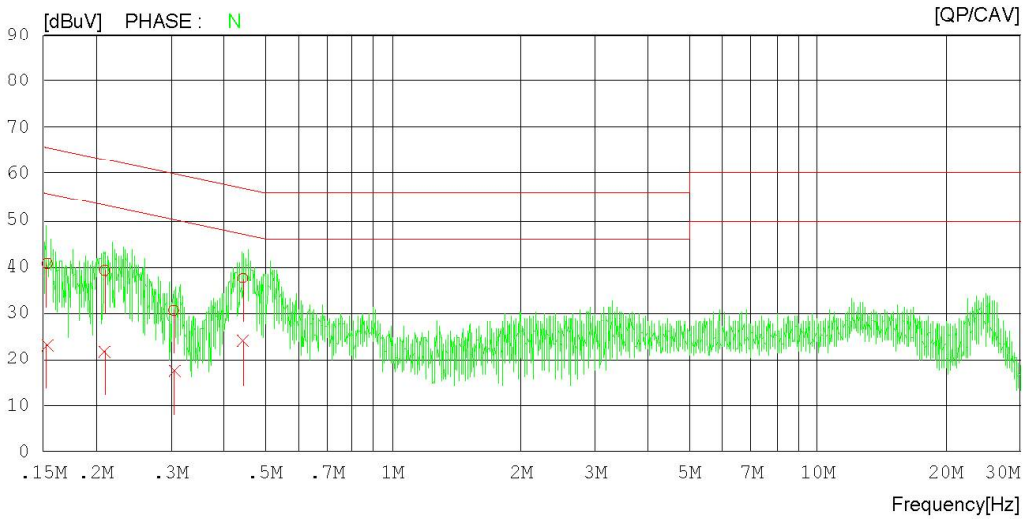
Results of Conducted Emission

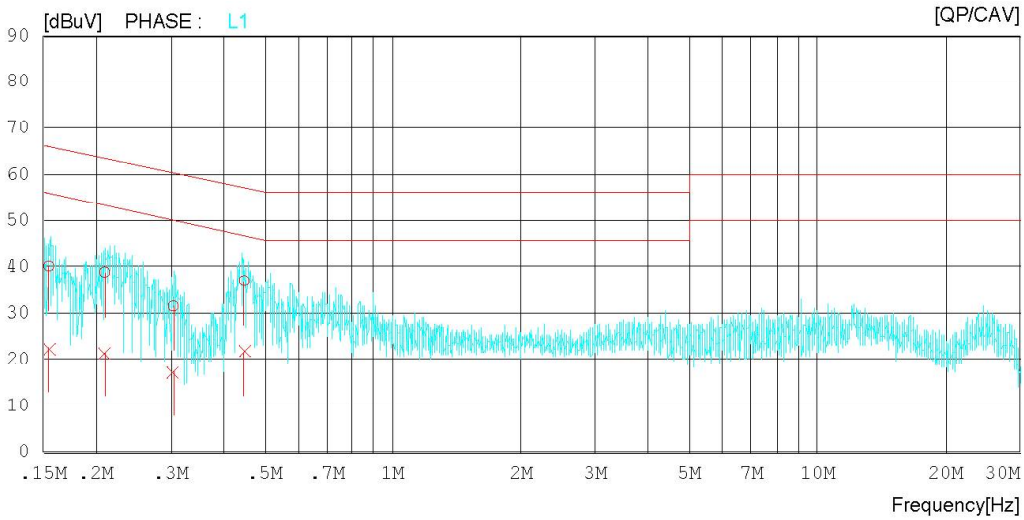
DT&C
Date 2019-12-10

Order No. DTNC1911-09483
Power Supply 120 V 60 Hz
Temp/Humi/Atm 24 'C 42 % R.H.
Test Condition REAR CAMERA+RADIO

Memo Aohai+luxshare+cresyn

LIMIT : CISPR32_B QP
CISPR32_B AV





Results of Conducted Emission

DT&C
Date 2019-12-10

Order No. DTNC1911-09483
Power Supply 120 V 60 Hz
Temp/Humi/Atm 24 'C 42 % R.H.
Test Condition REAR CAMERA+RADIO

Memo Aohai+luxshare+cresyn

LIMIT : CISPR32_B QP
CISPR32_B AV

NO	FREQ	READING QP	READING CAV	C.FACTOR	RESULT QP	RESULT CAV	LIMIT QP	LIMIT CAV	MARGIN QP	MARGIN CAV	PHASE
	[MHz]	[dBuV]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	
1	0.15351	20.76	3.14	19.96	40.72	23.10	65.81	55.81	25.09	32.71	N
2	0.20950	19.29	1.65	19.96	39.25	21.61	63.22	53.22	23.97	31.61	N
3	0.30479	10.74	-2.49	19.92	30.66	17.43	60.11	50.11	29.45	32.68	N
4	0.44345	17.35	3.64	20.20	37.55	23.84	57.00	47.00	19.45	23.16	N
5	0.15482	20.14	2.43	19.98	40.12	22.41	65.74	55.74	25.62	33.33	L1
6	0.20961	18.89	1.51	19.96	38.85	21.47	63.22	53.22	24.37	31.75	L1
7	0.30366	11.59	-2.67	19.92	31.51	17.25	60.14	50.14	28.63	32.89	L1
8	0.44650	16.74	1.59	20.20	36.94	21.79	56.94	46.94	20.00	25.15	L1

Mains terminal disturbance voltage _Measurement data			
Test configuration mode	**3**	**EUT Operation mode**	**3**
Test voltage (V)	**120**	**Test Frequency (Hz)**	**60**
Travel Adaptor	**Aohai**	**Ear-Mic**	**Cresyn**

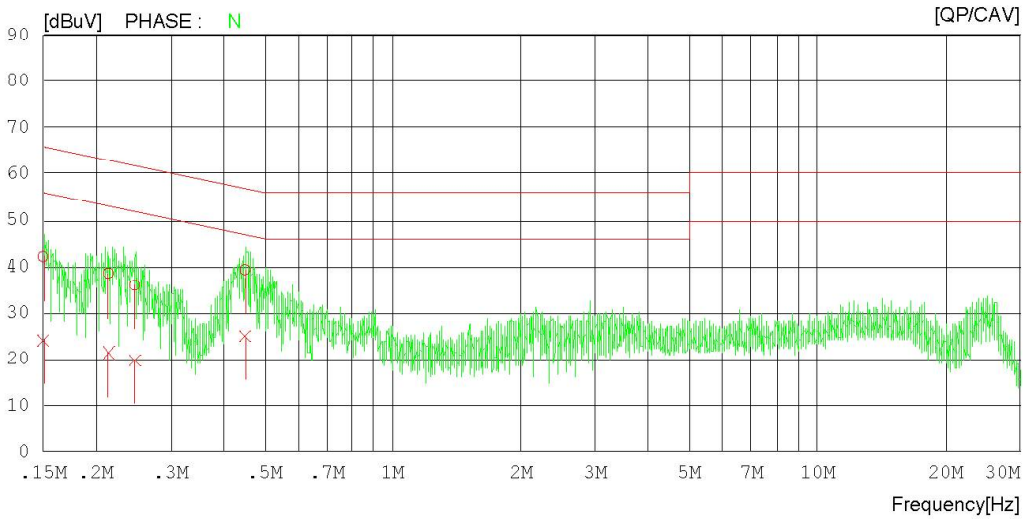
Results of Conducted Emission

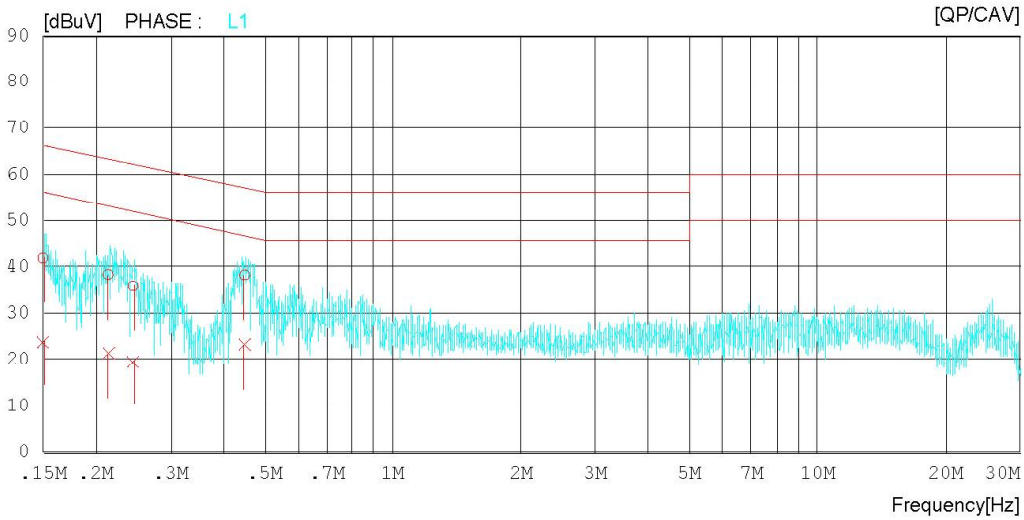
DT&C
Date 2019-12-10

Order No. DTNC1911-09483
Power Supply 120 V 60 Hz
Temp/Humi/Atm 24 'C 42 % R.H.
Test Condition IDLE

Memo Aohai+luxshare+cresyn

LIMIT : CISPR32_B QP
CISPR32_B AV





Results of Conducted Emission

DT&C
Date 2019-12-10

Order No. DTNC1911-09483
Power Supply 120 V 60 Hz
Temp/Humi/Atm 24 'C 42 % R.H.
Test Condition IDLE

Memo Aohai+luxshare+cresyn

LIMIT : CISPR32_B QP
CISPR32_B AV

NO	FREQ	READING QP	READING CAV	C.FACTOR	RESULT QP	RESULT CAV	LIMIT QP	LIMIT CAV	MARGIN QP	MARGIN CAV	PHASE
	[MHz]	[dBuV]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	
1	0.15000	22.20	4.27	19.91	42.11	24.18	66.00	56.00	23.89	31.82	N
2	0.21362	18.67	1.42	19.95	38.62	21.37	63.06	53.06	24.44	31.69	N
3	0.24646	16.22	0.00	19.82	36.04	19.82	61.88	51.88	25.84	32.06	N
4	0.44850	19.15	4.71	20.20	39.35	24.91	56.90	46.90	17.55	21.99	N
5	0.15000	21.93	3.86	19.91	41.84	23.77	66.00	56.00	24.16	32.23	L1
6	0.21350	18.35	1.35	19.95	38.30	21.30	63.07	53.07	24.77	31.77	L1
7	0.24450	15.98	-0.18	19.83	35.81	19.65	61.94	51.94	26.13	32.29	L1
8	0.44782	18.03	2.88	20.20	38.23	23.08	56.92	46.92	18.69	23.84	L1

Mains terminal disturbance voltage _Measurement data			
Test configuration mode	**4**	**EUT Operation mode**	**4**
Test voltage (V)	**120**	**Test Frequency (Hz)**	**60**
Travel Adaptor	**Aohai**	**Ear-Mic**	**Cresyn**

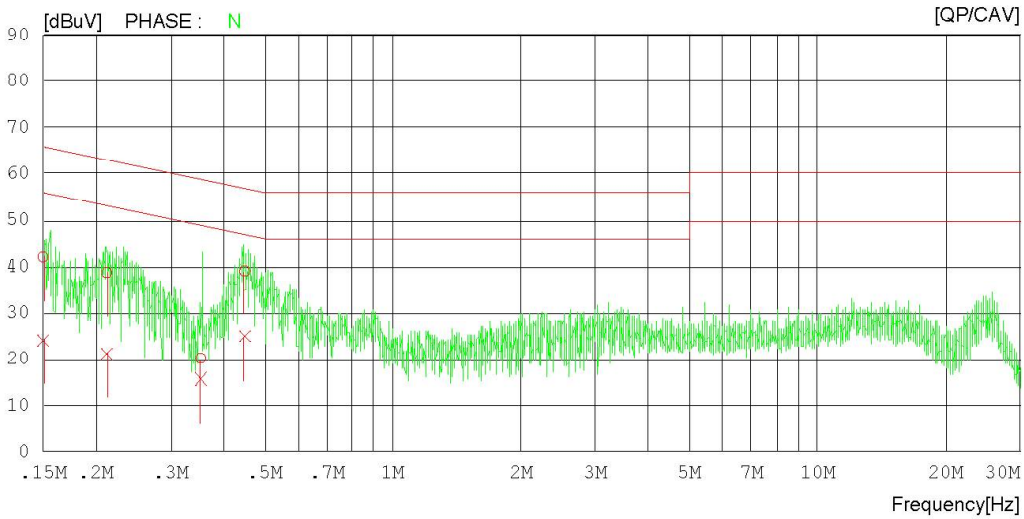
Results of Conducted Emission

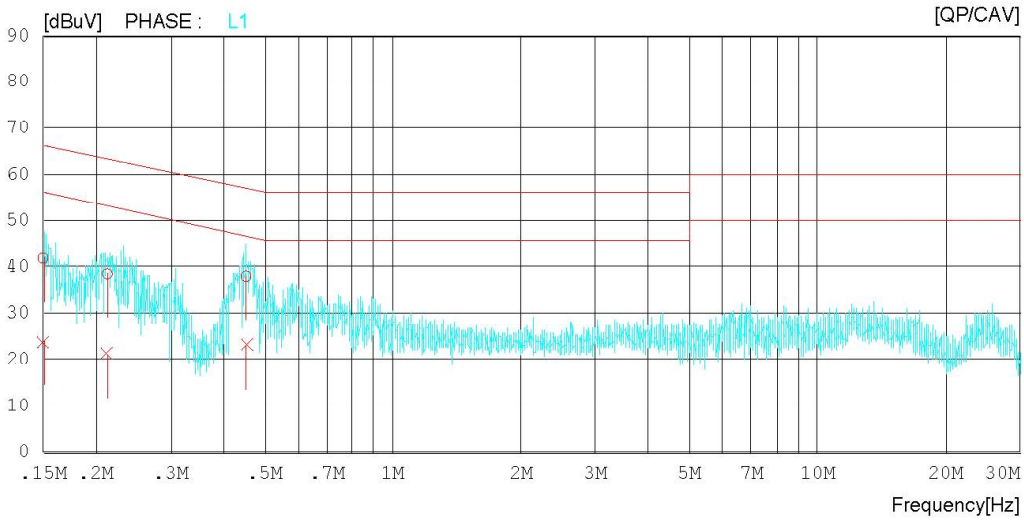
DT&C
Date 2019-12-10

Order No. DTNC1911-09483
Power Supply 120 V 60 Hz
Temp/Humi/Atm 24 'C 42 % R.H.
Test Condition TOF

Memo Aohai+luxshare+cresyn

LIMIT : CISPR32_B QP
CISPR32_B AV





Results of Conducted Emission

DT&C
Date 2019-12-10

Order No. DTNC1911-09483
Power Supply 120 V 60 Hz
Temp/Humi/Atm 24 'C 42 % R.H.
Test Condition TOF

Memo Aohai+luxshare+cresyn

LIMIT : CISPR32_B QP
CISPR32_B AV

NO	FREQ	READING QP	READING CAV	C.FACTOR	RESULT QP	RESULT CAV	LIMIT QP	LIMIT CAV	MARGIN QP	MARGIN CAV	PHASE
	[MHz]	[dBuV]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	
1	0.15000	22.13	4.14	19.91	42.04	24.05	66.00	56.00	23.96	31.95	N
2	0.21176	18.81	1.40	19.95	38.76	21.35	63.14	53.14	24.38	31.79	N
3	0.35297	0.12	-4.38	20.06	20.18	15.68	58.89	48.89	38.71	33.21	N
4	0.44769	18.93	4.57	20.20	39.13	24.77	56.92	46.92	17.79	22.15	N
5	0.15000	21.93	3.86	19.91	41.84	23.77	66.00	56.00	24.16	32.23	L1
6	0.21249	18.55	1.38	19.95	38.50	21.33	63.11	53.11	24.61	31.78	L1
7	0.45135	17.76	2.89	20.21	37.97	23.10	56.85	46.85	18.88	23.75	L1

Mains terminal disturbance voltage _Measurement data			
Test configuration mode	**1**	**EUT Operation mode**	**1**
Test voltage (V)	**120**	**Test Frequency (Hz)**	**60**
Travel Adaptor	**Aohai**	**Ear-Mic**	**Bujeon**

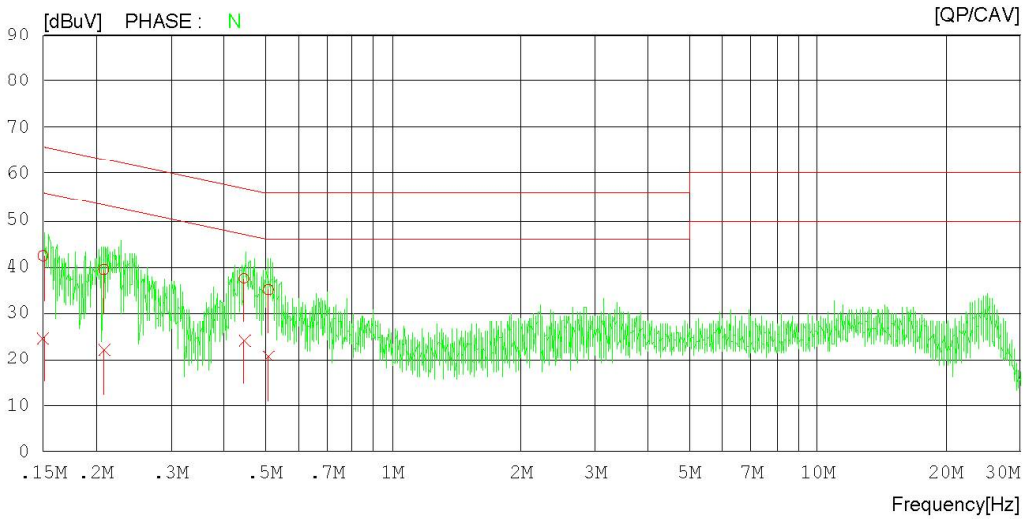
Results of Conducted Emission

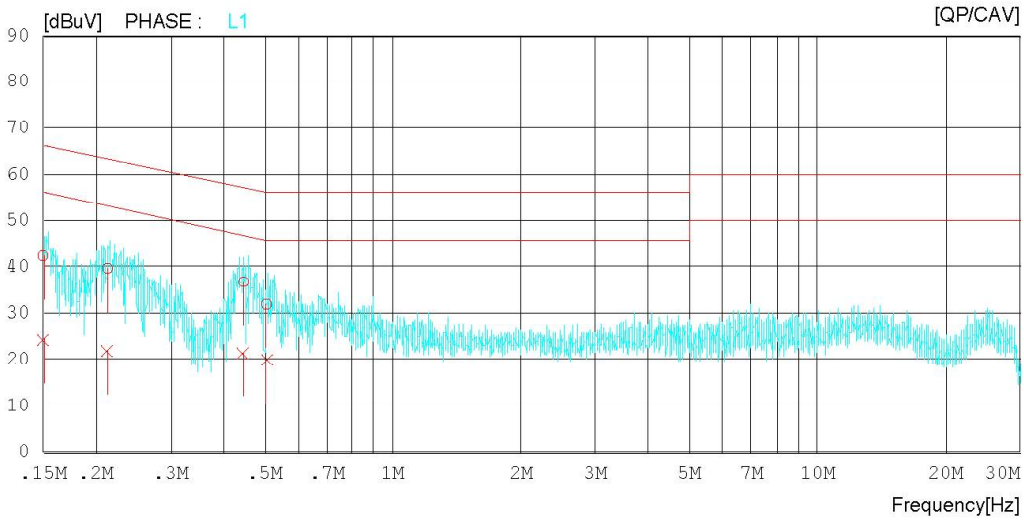
DT&C
Date 2019-12-10

Order No. DTNC1911-09483
Power Supply 120 V 60 Hz
Temp/Humi/Atm 24 'C 42 % R.H.
Test Condition FRONT CAMERA+MP3

Memo Aohai+luxshare+bujeon

LIMIT : CISPR32_B QP
CISPR32_B AV





Results of Conducted Emission

DT&C
Date 2019-12-10

Order No. DTNC1911-09483
Power Supply 120 V 60 Hz
Temp/Humi/Atm 24 'C 42 % R.H.
Test Condition FRONT CAMERA+MP3

Memo Aohai+luxshare+bujeon

LIMIT : CISPR32_B QP
CISPR32_B AV

NO	FREQ	READING QP	READING CAV	C.FACTOR	RESULT QP	RESULT CAV	LIMIT QP	LIMIT CAV	MARGIN QP	MARGIN CAV	PHASE
	[MHz]	[dBuV]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	
1	0.15000	22.39	4.56	19.91	42.30	24.47	66.00	56.00	23.70	31.53	N
2	0.20872	19.50	1.99	19.97	39.47	21.96	63.26	53.26	23.79	31.30	N
3	0.44610	17.31	3.88	20.20	37.51	24.08	56.95	46.95	19.44	22.87	N
4	0.50950	14.76	0.38	20.24	35.00	20.62	56.00	46.00	21.00	25.38	N
5	0.15000	22.43	4.41	19.91	42.34	24.32	66.00	56.00	23.66	31.68	L1
6	0.21288	19.66	2.06	19.95	39.61	22.01	63.09	53.09	23.48	31.08	L1
7	0.44550	16.47	1.33	20.20	36.67	21.53	56.96	46.96	20.29	25.43	L1
8	0.50450	11.68	-0.45	20.24	31.92	19.79	56.00	46.00	24.08	26.21	L1

Mains terminal disturbance voltage _Measurement data			
Test configuration mode	**2**	**EUT Operation mode**	**2**
Test voltage (V)	**120**	**Test Frequency (Hz)**	**60**
Travel Adaptor	**Aohai**	**Ear-Mic**	**Bujeon**

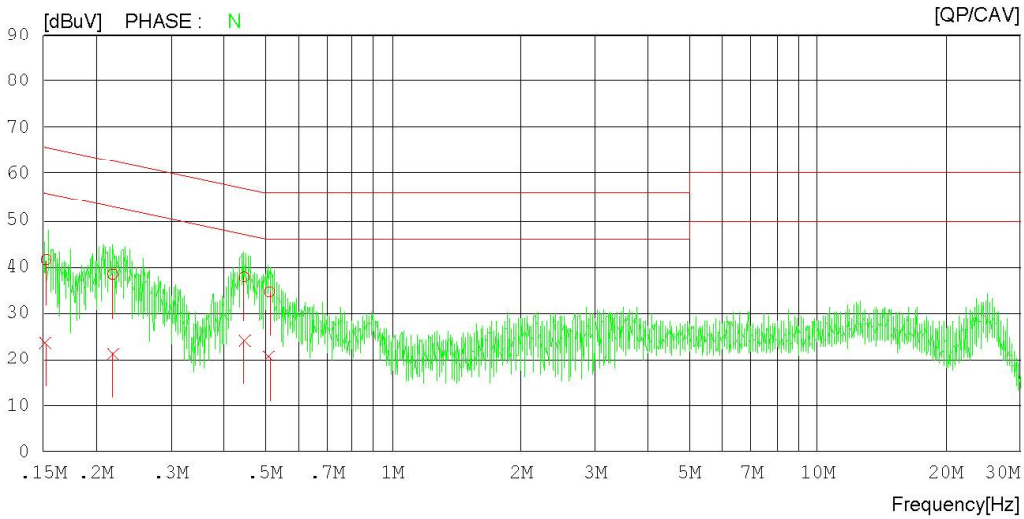
Results of Conducted Emission

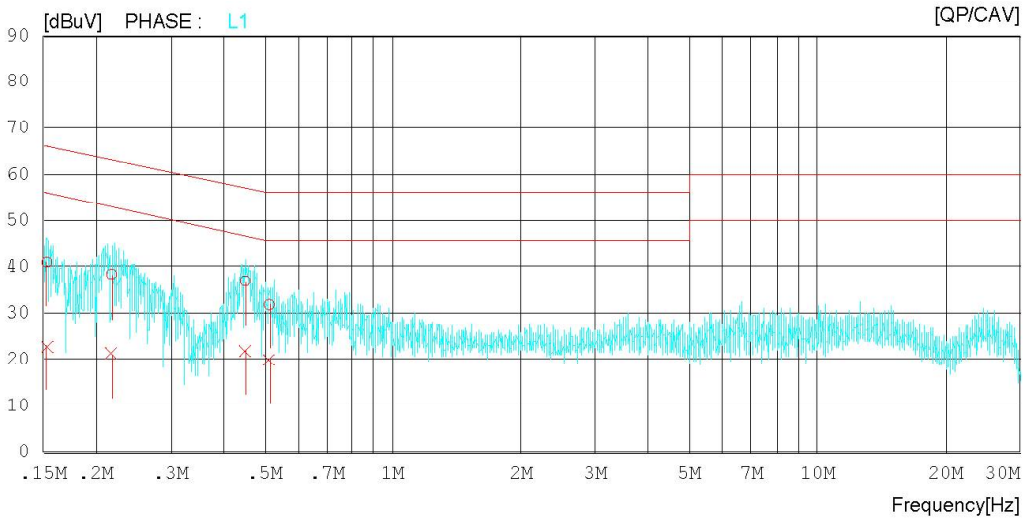
DT&C
Date 2019-12-10

Order No. DTNC1911-09483
Power Supply 120 V 60 Hz
Temp/Humi/Atm 24 'C 42 % R.H.
Test Condition REAR CAMERA+RADIO

Memo Aohai+luxshare+bujeon

LIMIT : CISPR32_B QP
CISPR32_B AV





Results of Conducted Emission

DT&C
Date 2019-12-10

Order No. DTNC1911-09483
Power Supply 120 V 60 Hz
Temp/Humi/Atm 24 'C 42 % R.H.
Test Condition REAR CAMERA+RADIO

Memo Aohai+luxshare+bujeon

LIMIT : CISPR32_B QP
CISPR32_B AV

NO	FREQ	READING QP	READING CAV	C.FACTOR	RESULT QP	RESULT CAV	LIMIT QP	LIMIT CAV	MARGIN QP	MARGIN CAV	PHASE
	[MHz]	[dBuV]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	
1	0.15250	21.53	3.55	19.95	41.48	23.50	65.86	55.86	24.38	32.36	N
2	0.21899	18.56	1.34	19.92	38.48	21.26	62.86	52.86	24.38	31.60	N
3	0.44650	17.67	3.92	20.20	37.87	24.12	56.94	46.94	19.07	22.82	N
4	0.51194	14.29	0.35	20.24	34.53	20.59	56.00	46.00	21.47	25.41	N
5	0.15318	20.98	3.04	19.96	40.94	23.00	65.83	55.83	24.89	32.83	L1
6	0.21750	18.45	1.37	19.93	38.38	21.30	62.91	52.91	24.53	31.61	L1
7	0.44943	16.71	1.80	20.20	36.91	22.00	56.89	46.89	19.98	24.89	L1
8	0.51171	11.62	-0.27	20.24	31.86	19.97	56.00	46.00	24.14	26.03	L1

Mains terminal disturbance voltage _Measurement data			
Test configuration mode	**3**	**EUT Operation mode**	**3**
Test voltage (V)	**120**	**Test Frequency (Hz)**	**60**
Travel Adaptor	**Aohai**	**Ear-Mic**	**Bujeon**

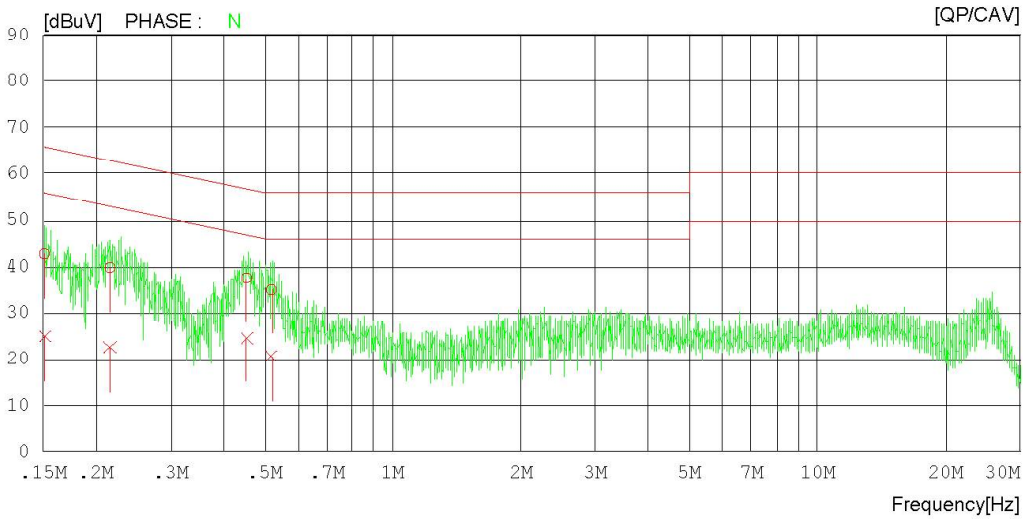
Results of Conducted Emission

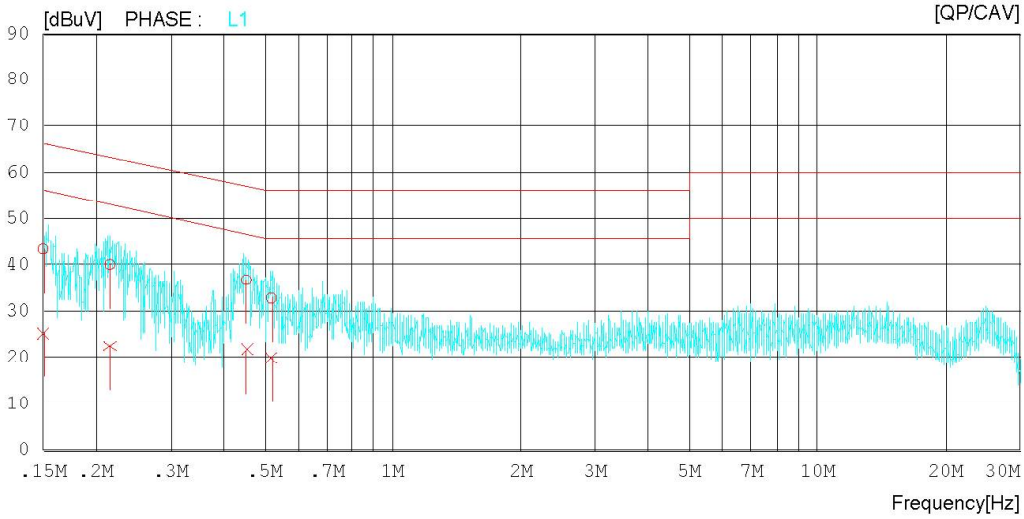
DT&C
Date 2019-12-10

Order No. DTNC1911-09483
Power Supply 120 V 60 Hz
Temp/Humi/Atm 24 'C 42 % R.H.
Test Condition IDLE

Memo Aohai+luxshare+bujeon

LIMIT : CISPR32_B QP
CISPR32_B AV





Results of Conducted Emission

DT&C
Date 2019-12-10

Order No. DTNC1911-09483
Power Supply 120 V 60 Hz
Temp/Humi/Atm 24 'C 42 % R.H.
Test Condition IDLE

Memo Aohai+luxshare+bujeon

LIMIT : CISPR32_B QP
CISPR32_B AV

NO	FREQ	READING QP	READING CAV	C.FACTOR	RESULT QP	RESULT CAV	LIMIT QP	LIMIT CAV	MARGIN QP	MARGIN CAV	PHASE
	[MHz]	[dBuV]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	
1	0.15120	22.76	4.93	19.93	42.69	24.86	65.93	55.93	23.24	31.07	N
2	0.21554	19.91	2.57	19.94	39.85	22.51	62.99	52.99	23.14	30.48	N
3	0.45241	17.39	4.30	20.21	37.60	24.51	56.83	46.83	19.23	22.32	N
4	0.51750	14.76	0.39	20.24	35.00	20.63	56.00	46.00	21.00	25.37	N
5	0.15005	23.40	5.33	19.91	43.31	25.24	66.00	56.00	22.69	30.76	L1
6	0.21550	20.06	2.61	19.94	40.00	22.55	62.99	52.99	22.99	30.44	L1
7	0.45150	16.45	1.51	20.21	36.66	21.72	56.85	46.85	20.19	25.13	L1
8	0.51750	12.54	-0.23	20.24	32.78	20.01	56.00	46.00	23.22	25.99	L1

Mains terminal disturbance voltage _Measurement data			
Test configuration mode	**4**	**EUT Operation mode**	**4**
Test voltage (V)	**120**	**Test Frequency (Hz)**	**60**
Travel Adaptor	**Aohai**	**Ear-Mic**	**Bujeon**

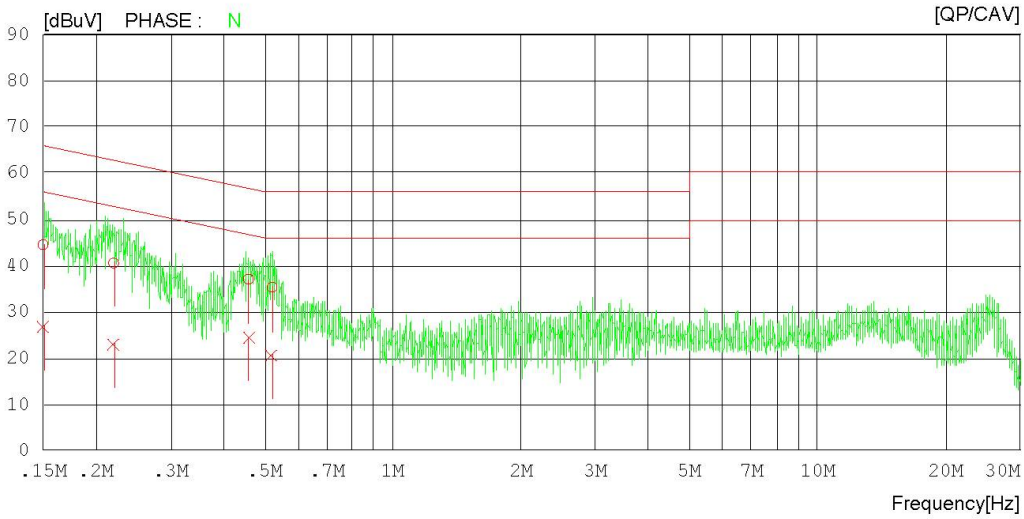
Results of Conducted Emission

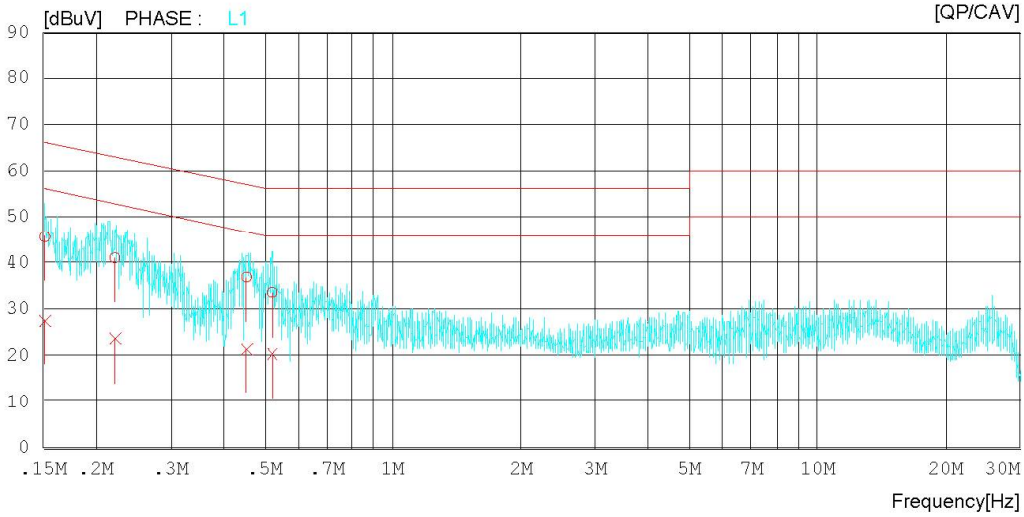
DT&C
Date 2019-12-10

Order No. DTNC1911-09483
Power Supply 120 V 60 Hz
Temp/Humi/Atm 24 'C 42 % R.H.
Test Condition TOF

Memo Aohai+luxshare+bujeon

LIMIT : CISPR32_B QP
CISPR32_B AV





Results of Conducted Emission

DT&C
Date 2019-12-10

Order No. DTNC1911-09483
Power Supply 120 V 60 Hz
Temp/Humi/Atm 24 'C 42 % R.H.
Test Condition TOF

Memo Aohai+luxshare+bujeon

LIMIT : CISPR32_B QP
CISPR32_B AV

NO	FREQ	READING QP	READING CAV	C.FACTOR	RESULT QP	RESULT CAV	LIMIT QP	LIMIT CAV	MARGIN QP	MARGIN CAV	PHASE
	[MHz]	[dBuV]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	
1	0.15000	24.64	6.97	19.91	44.55	26.88	66.00	56.00	21.45	29.12	N
2	0.21981	20.68	3.27	19.92	40.60	23.19	62.83	52.83	22.23	29.64	N
3	0.45692	16.88	4.32	20.21	37.09	24.53	56.75	46.75	19.66	22.22	N
4	0.51950	15.10	0.48	20.24	35.34	20.72	56.00	46.00	20.66	25.28	N
5	0.15148	25.65	7.64	19.93	45.58	27.57	65.92	55.92	20.34	28.35	L1
6	0.22157	21.11	3.71	19.91	41.02	23.62	62.76	52.76	21.74	29.14	L1
7	0.45250	16.70	1.31	20.21	36.91	21.52	56.83	46.83	19.92	25.31	L1
8	0.51998	13.36	0.00	20.24	33.60	20.24	56.00	46.00	22.40	25.76	L1

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)

7.2 Radiated Disturbance

ANSI C63.4	Radiated disturbance 30 MHz – 40 GHz	Result
Method: Preliminary (peak) measurements were performed at an antenna to EUT separation distance of 10 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, 2, 3, 4
	EUT Operation mode	1, 2, 3, 4

Radiated Disturbance below 1 000 MHz

Frequency range (MHz)	Quasi-peak limit dBµV/m	
	Class A (10 m distance)	Class B (3 m distance)
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

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	40	30
230 to 1 000	47	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	54

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	5th harmonic of the highest frequency or 40 GHz, whichever is lower

Measurement uncertainty	
Expended uncertainty *U* (95 %, Confidence level, *k* = 2)	2.89 dB, (30 ~ 1 000) MHz 4.22 dB, (1 GHz above)
The measurement uncertainties were calculated in accordance with requirements of ANSI C 63.4-2014.	

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	ESU	ROHDE & SCHWARZ	100469	2019.06.12	2020.06.12
TRILOG BROADBAND TEST-ANTENNA WITH 6DB ATT	VULB9160	SCHWARZBECK	9160-3339	2018.10.22	2020.10.22
	8491B	HP	18403	2018.10.22	2020.10.22
LOW NOISE PRE AMPLIFIER	MLA-100K01-B01-26	TSJ	1252741	2019.02.18	2020.02.18
HORN ANTENNA	3117	ETS-LINDGREN	00152093	2018.03.26	2020.03.26
BAND REJECT FILTER	WRCGV12-2375-2400-2484-2505-50SS-PB	WAINWRIGHT INSTRUMENTS GMBH	1	2019.02.27	2020.02.27
HORN ANTENNA WITH PREAMPLIFIER	EM-6969	ELECTRO-METRICS	156	2019.02.13	2021.02.13
	MLA-0618-B03-34	TSJ	1785642	2019.01.02	2020.01.02
HORN ANTENNA	SAS-574	A.H.SYSTEMS INC.	155	2019.07.03	2021.07.03
PREAMPLIFIER	MLA-1840-J02-45	TSJ	16966-10728	2019.06.27	2020.06.27
(NOTE : THE MEASUREMENT ANTENNAS WERE CALIBRATED IN ACCORDANCE TO THE REQUIREMENTS OF C63.5-2017.)					

Radiated disturbance at (30 ~ 1000) MHz _Measurement data			
Test configuration mode	**1**	**EUT Operation mode**	**1**
Test voltage (V)	**120**	**Test Frequency (Hz)**	**60**
Travel Adaptor	**Aohai**	**Ear-Mic**	**Cresyn**

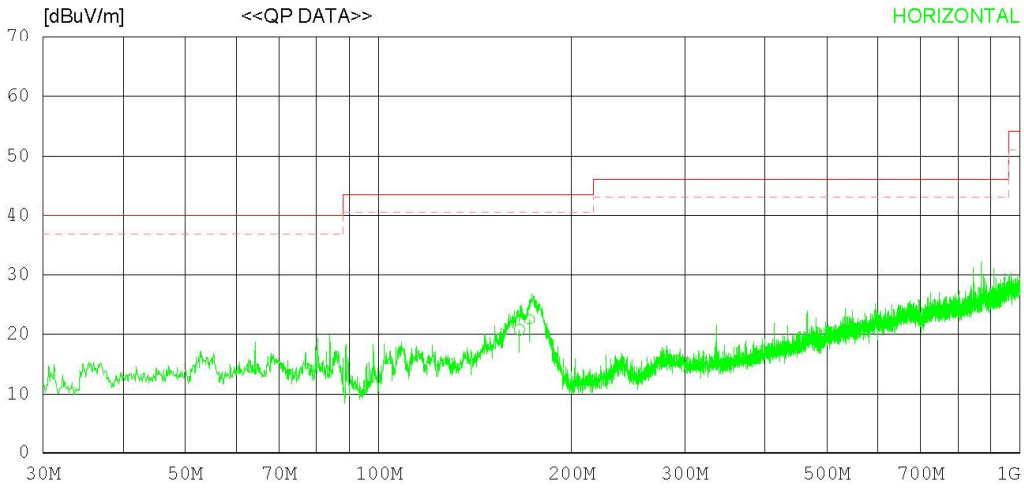
RADIATED EMISSION

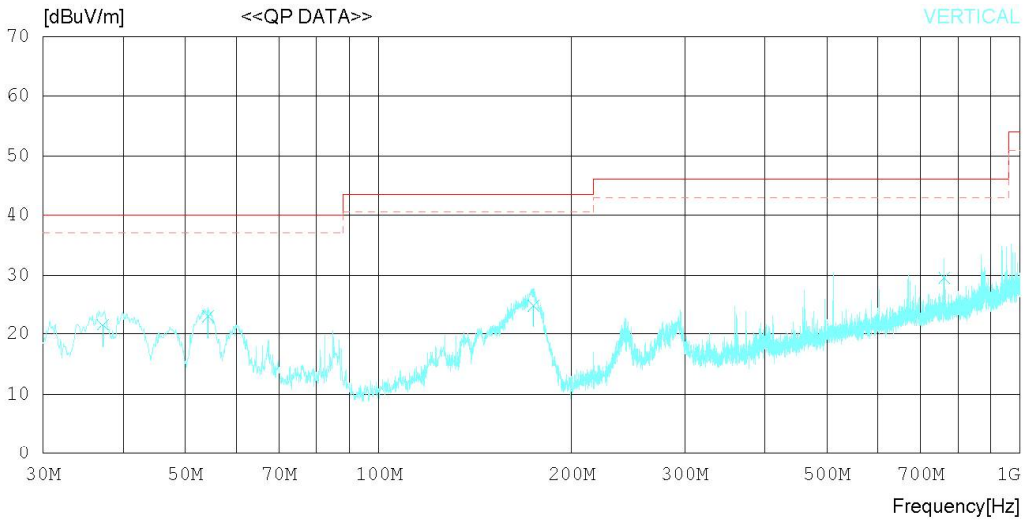
Date 2019-12-06

Order No. DTNC1911-09483
Power Supply 120 V 60 Hz
Temp/Humi 23 'C 40 % R.H.
Test Condition FRONT CAMERA+MP3

Memo Aohai+luxshare+cresyn

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





RADIATED EMISSION

Date 2019-12-06

Order No.	DTNC1911-09483
Power Supply	120 V 60 Hz
Temp/Humi	23 'C 40 % R.H.
Test Condition	FRONT CAMERA+MP3
Memo	Aohai+luxshare+cresyn

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

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	165.797	26.10	18.44	1.80	25.65	20.69	43.50	22.81	124	112
2	171.859	28.40	17.90	1.81	25.64	22.47	43.50	21.03	308	75
----- Vertical ------										
3	37.154	30.10	16.15	1.16	25.81	21.60	40.00	18.40	120	270
4	54.250	28.90	18.70	1.29	25.79	23.10	40.00	16.90	272	299
5	174.527	31.10	17.60	1.82	25.64	24.88	43.50	18.62	134	124
6	761.786	23.60	28.36	3.43	25.81	29.58	46.00	16.42	122	208

Radiated disturbance at (1 ~ 6) GHz _Peak measurement data			
Test configuration mode	**1**	**EUT Operation mode**	**1**
Test voltage (V)	**120**	**Test Frequency (Hz)**	**60**
Travel Adaptor	**Aohai**	**Ear-Mic**	**Cresyn**

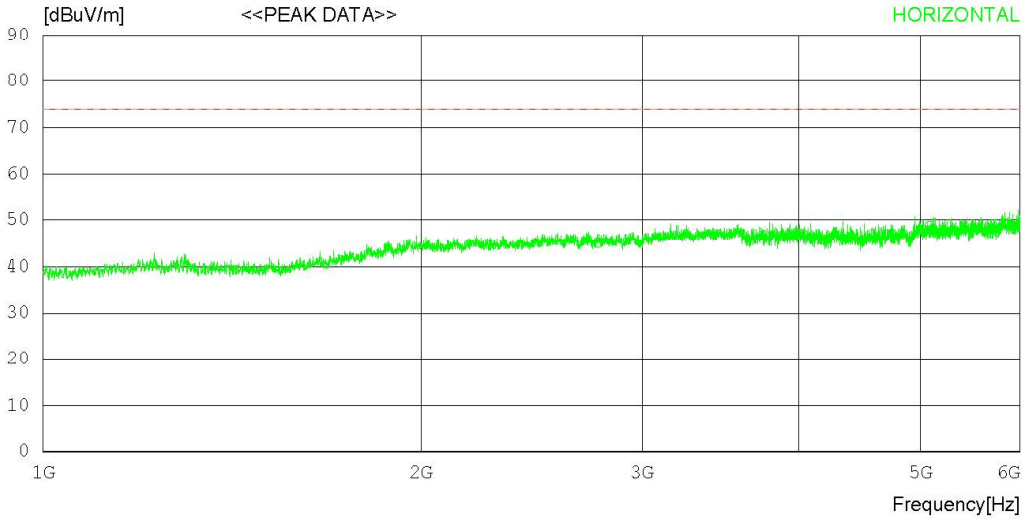
RADIATED EMISSION

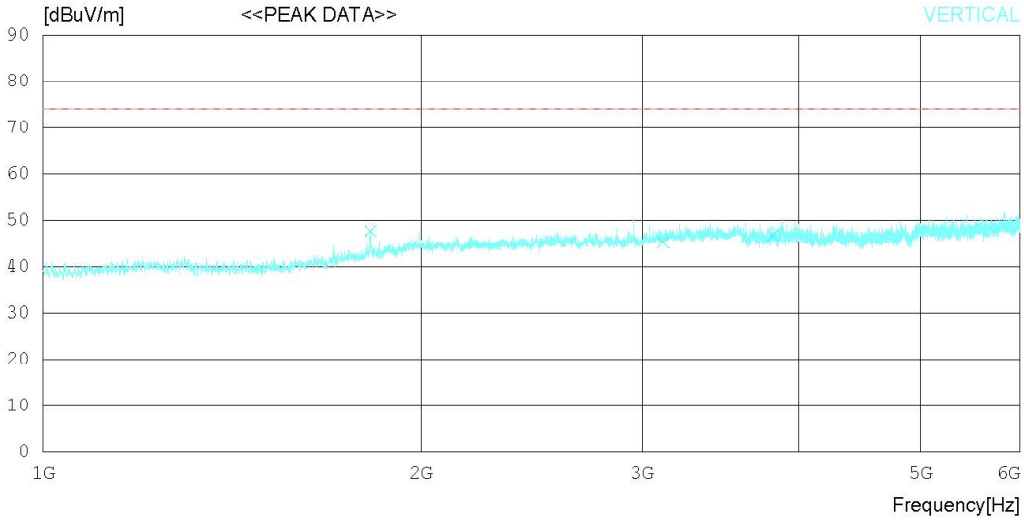
Date 2019-12-07

Order No. DTNC1911-09483
Power Supply 120 V 60 Hz
Temp/Humi 23 'C 40 % R.H.
Test Condition FRONT CAMERA+MP3

Memo Aohai+luxshare+cresyn

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





RADIATED EMISSION

Date 2019-12-07

Order No.	DTNC1911-09483
Power Supply	120 V 60 Hz
Temp/Humi	23 'C 40 % R.H.
Test Condition	FRONT CAMERA+MP3
Memo	Aohai+luxshare+cresyn

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

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	2768.750	40.40	32.43	7.06	34.79	45.10	74.0	28.9	120	340
2	4025.000	38.30	33.25	8.95	33.57	46.93	74.0	27.07	123	0
3	5084.375	38.70	34.13	10.71	34.87	48.67	74.0	25.33	320	317
----- Vertical ------										
4	1822.500	46.10	30.49	5.69	34.59	47.69	74.0	26.31	244	358
5	3118.750	39.40	32.94	7.63	34.76	45.21	74.0	28.79	113	144
6	3813.750	38.40	33.30	8.92	33.80	46.82	74.0	27.18	392	358

Radiated disturbance at (1 ~ 6) GHz _Average measurement data			
Test configuration mode	**1**	**EUT Operation mode**	**1**
Test voltage (V)	**120**	**Test Frequency (Hz)**	**60**
Travel Adaptor	**Aohai**	**Ear-Mic**	**Cresyn**

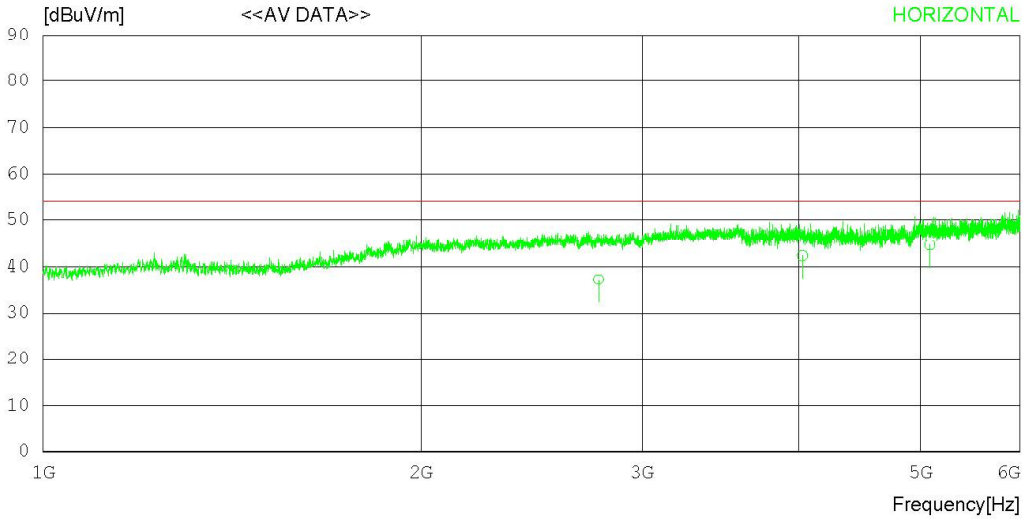
RADIATED EMISSION

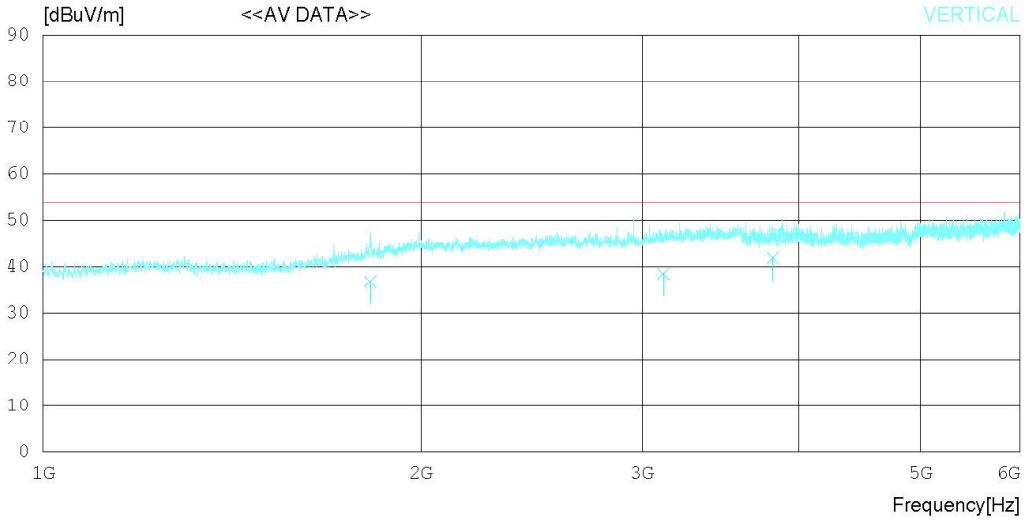
Date 2019-12-07

Order No. DTNC1911-09483
Power Supply 120 V 60 Hz
Temp/Humi 23 'C 40 % R.H.
Test Condition FRONT CAMERA+MP3

Memo Aohai+luxshare+cresyn

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





RADIATED EMISSION

Date 2019-12-07

Order No.	DTNC1911-09483
Power Supply	120 V 60 Hz
Temp/Humi	23 'C 40 % R.H.
Test Condition	FRONT CAMERA+MP3
Memo	Aohai+luxshare+cresyn

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

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	2768.744	32.60	32.43	7.05	34.79	37.29	54.00	16.71	355	120
2	4025.013	33.70	33.25	8.95	33.57	42.33	54.00	11.67	204	244
3	5084.312	34.60	34.13	10.71	34.87	44.57	54.00	9.43	142	137
----- Vertical ------										
4	1822.421	35.20	30.49	5.69	34.59	36.79	54.00	17.21	120	155
5	3118.611	32.60	32.94	7.63	34.77	38.40	54.00	15.60	273	305
6	3813.744	33.40	33.30	8.92	33.80	41.82	54.00	12.18	134	122

Radiated disturbance at (6 ~ 18) GHz _Peak measurement data			
Test configuration mode	**1**	**EUT Operation mode**	**1**
Test voltage (V)	**120**	**Test Frequency (Hz)**	**60**
Travel Adaptor	**Aohai**	**Ear-Mic**	**Cresyn**

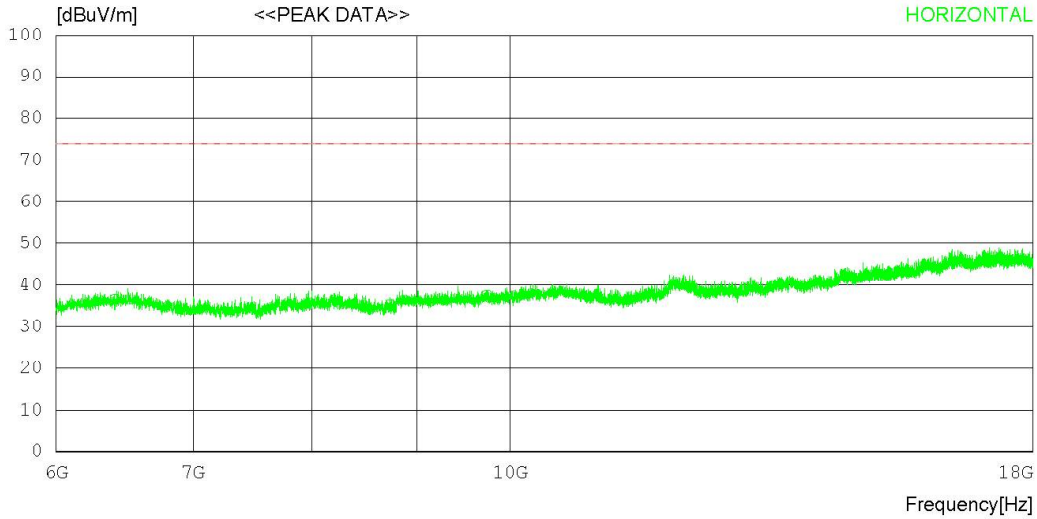
RADIATED EMISSION

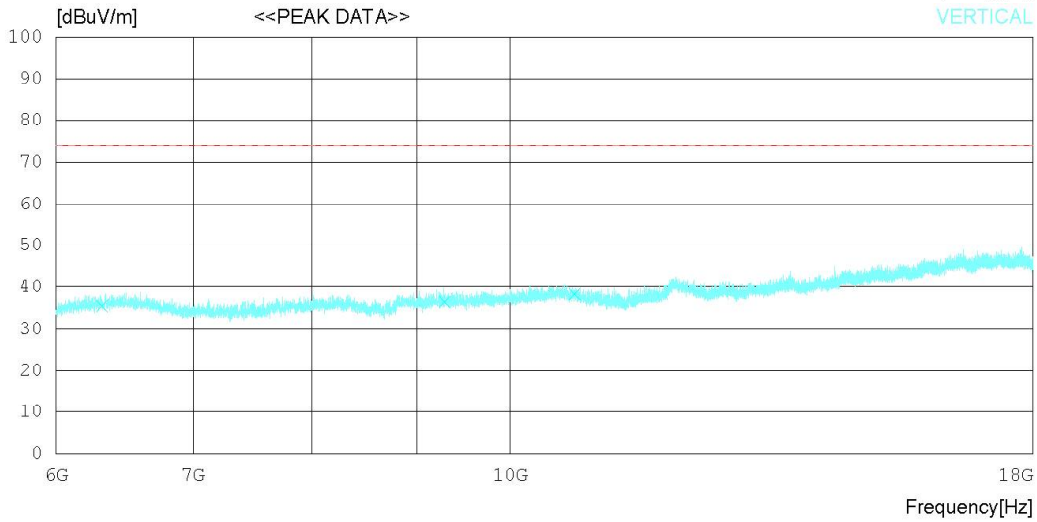
Date 2019-12-08

Order No. DTNC1911-09483
Power Supply 120 V 60 Hz
Temp/Humi 21 'C 44 % R.H.
Test Condition FRONT CAMERA+MP3

Memo Aohai+luxshare+cresyn

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





RADIATED EMISSION

Date 2019-12-08

Order No.	DTNC1911-09483
Power Supply	120 V 60 Hz
Temp/Humi	21 'C 44 % R.H.
Test Condition	FRONT CAMERA+MP3
Memo	Aohai+luxshare+cresyn

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

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	6411.750	32.50	31.61	11.18	38.63	36.66	74.0	37.34	123	0
2	8737.500	28.50	31.89	13.22	38.23	35.38	74.0	38.62	205	0
3	9739.500	29.60	32.43	14.17	38.60	37.60	74.0	36.4	324	0
----- Vertical ------										
4	6318.000	31.60	31.63	11.01	38.78	35.46	74.0	38.54	234	164
5	9290.250	29.30	32.23	13.95	39.10	36.38	74.0	37.62	242	43
6	10750.500	29.30	32.44	14.67	38.11	38.30	74.0	35.7	124	0

Radiated disturbance at (6 ~ 18) GHz _Average measurement data			
Test configuration mode	**1**	**EUT Operation mode**	**1**
Test voltage (V)	**120**	**Test Frequency (Hz)**	**60**
Travel Adaptor	**Aohai**	**Ear-Mic**	**Cresyn**

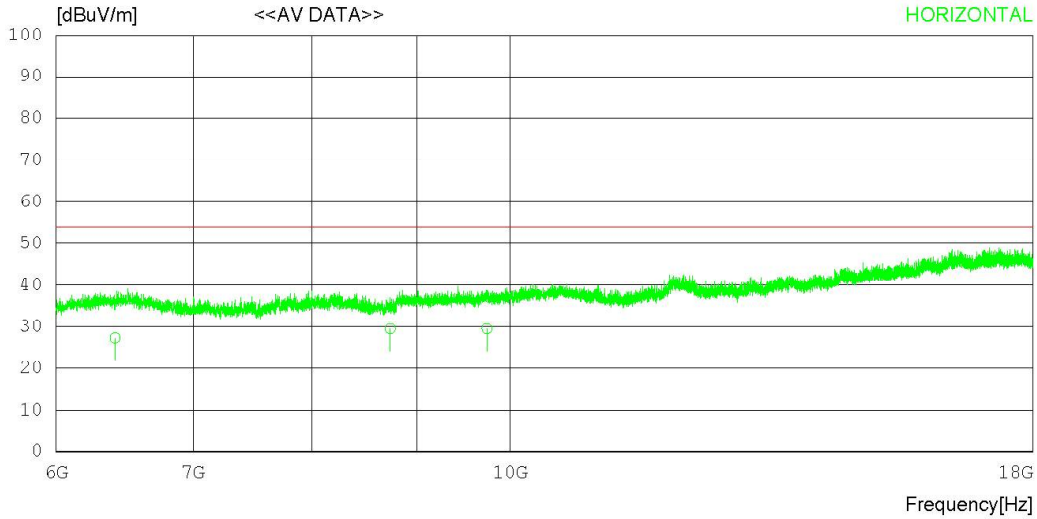
RADIATED EMISSION

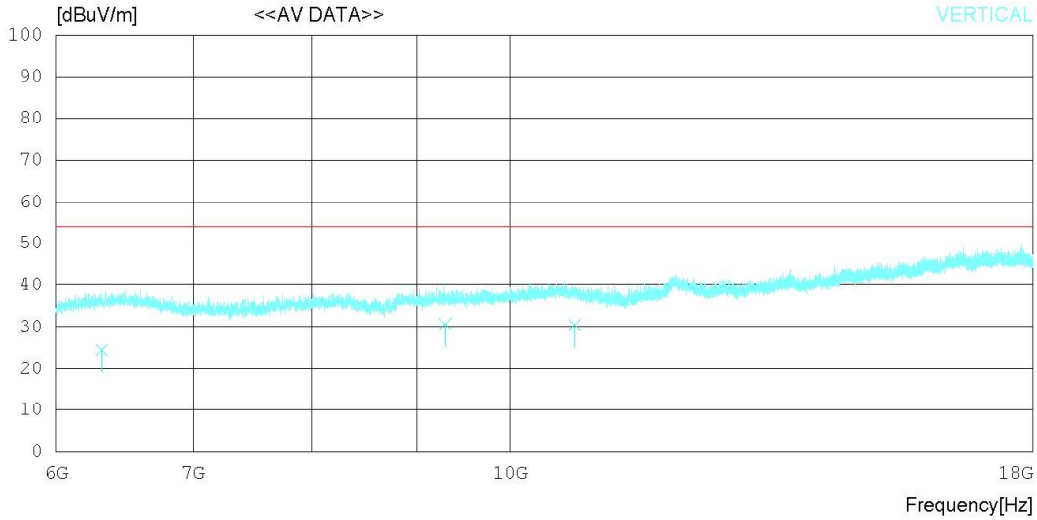
Date 2019-12-08

Order No. DTNC1911-09483
Power Supply 120 V 60 Hz
Temp/Humi 21 'C 44 % R.H.
Test Condition FRONT CAMERA+MP3

Memo Aohai+luxshare+cresyn

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





RADIATED EMISSION

Date 2019-12-08

Order No.	DTNC1911-09483
Power Supply	120 V 60 Hz
Temp/Humi	21 'C 44 % R.H.
Test Condition	FRONT CAMERA+MP3
Memo	Aohai+luxshare+cresyn

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

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	6411.711	23.10	31.61	11.18	38.63	27.26	54.00	26.74	120	302
2	8737.536	22.60	31.89	13.22	38.23	29.48	54.00	24.52	224	175
3	9739.412	21.50	32.43	14.17	38.60	29.50	54.00	24.50	172	242
----- Vertical ------										
4	6318.024	20.60	31.63	11.01	38.78	24.46	54.00	29.54	120	142
5	9290.724	23.60	32.23	13.95	39.10	30.68	54.00	23.32	235	134
6	10750.11	021.50	32.44	14.67	38.11	30.50	54.00	23.50	177	231

Radiated disturbance at (18 ~ 40) GHz _Peak measurement data			
Test configuration mode	**1**	**EUT Operation mode**	**1**
Test voltage (V)	**120**	**Test Frequency (Hz)**	**60**
Travel Adaptor	**Aohai**	**Ear-Mic**	**Cresyn**

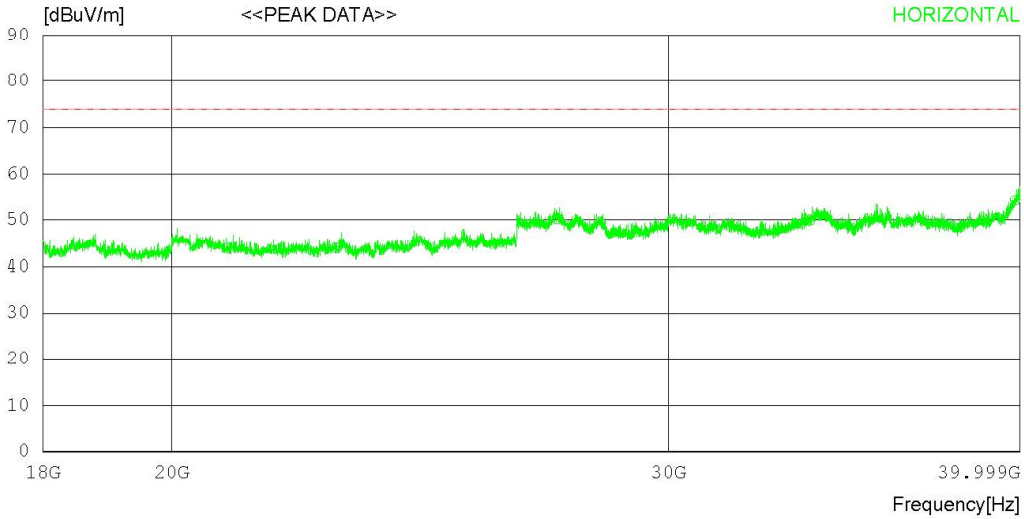
RADIATED EMISSION

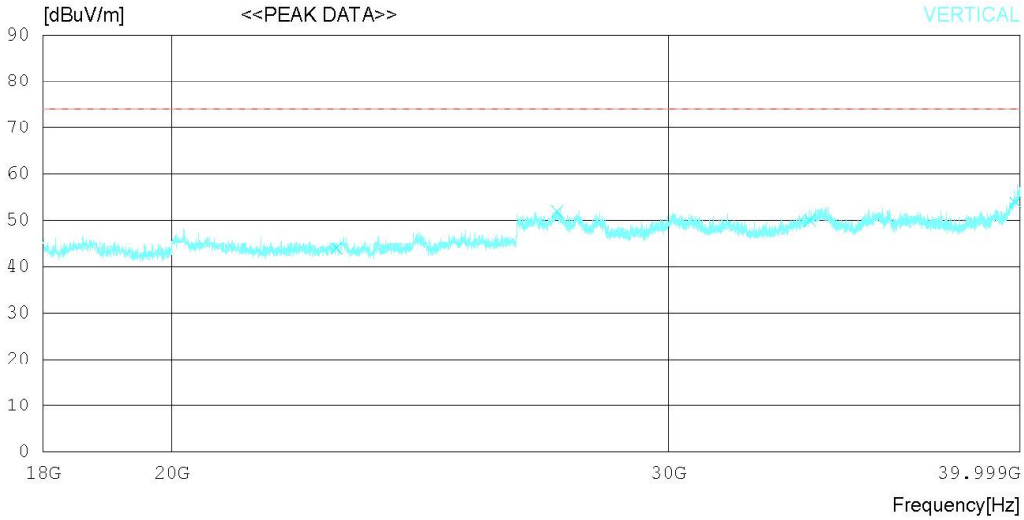
Date 2019-12-10

Order No. DTNC1911-09483
Power Supply 120 V 60 Hz
Temp/Humi 23 'C 47 % R.H.
Test Condition FRONT CAMERA+MP3

Memo Aohai+luxshare+cresyn

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





RADIATED EMISSION

Date 2019-12-10

Order No.	DTNC1911-09483
Power Supply	120 V 60 Hz
Temp/Humi	23 'C 47 % R.H.
Test Condition	FRONT CAMERA+MP3
Memo	Aohai+luxshare+cresyn

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

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	22878.500	29.60	39.26	19.53	44.48	43.91	74.0	30.09	236	24
2	27396.750	35.80	38.81	21.09	45.42	50.28	74.0	23.72	167	358
3	33686.000	31.90	41.08	23.89	46.89	49.98	74.0	24.02	265	358
4	39846.000	34.70	43.00	24.07	47.46	54.31	74.0	19.69	177	358
----- Vertical ------										
5	22878.500	29.60	39.26	19.53	44.48	43.91	74.0	30.09	246	2
6	27396.750	37.40	38.81	21.09	45.42	51.88	74.0	22.12	112	216
7	33686.000	32.00	41.08	23.89	46.89	50.08	74.0	23.92	321	0
8	39846.000	34.30	43.00	24.07	47.46	53.91	74.0	20.09	127	117

Radiated disturbance at (18 ~ 40) GHz _Average measurement data			
Test configuration mode	**1**	**EUT Operation mode**	**1**
Test voltage (V)	**120**	**Test Frequency (Hz)**	**60**
Travel Adaptor	**Aohai**	**Ear-Mic**	**Cresyn**

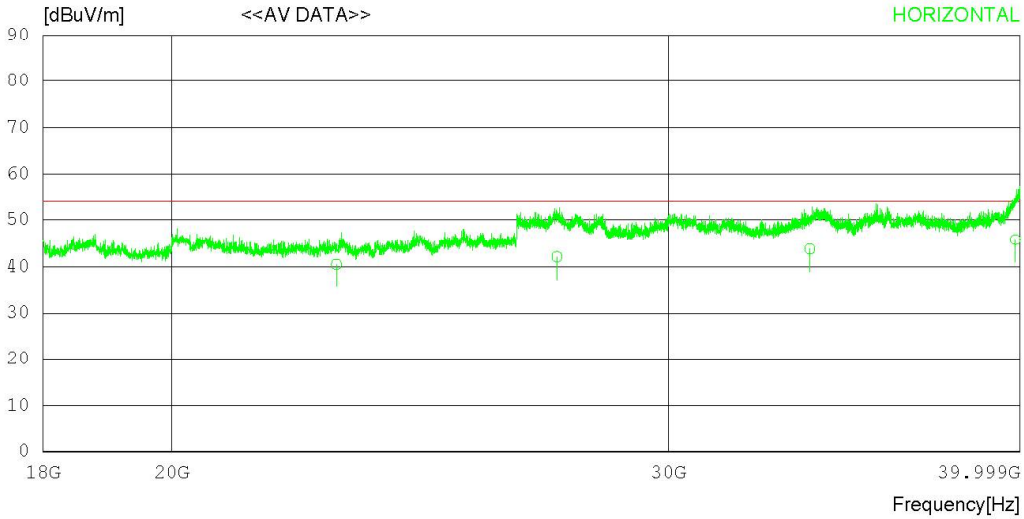
RADIATED EMISSION

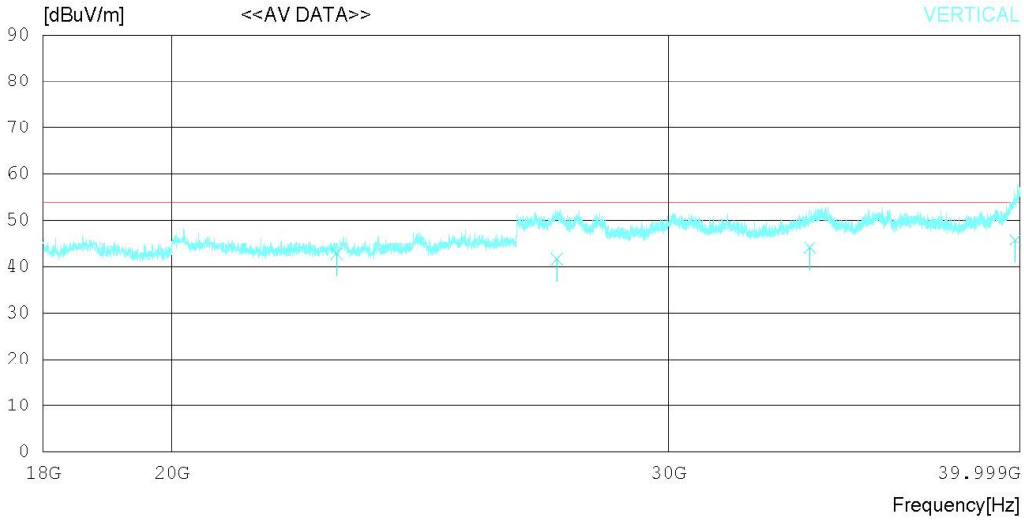
Date 2019-12-10

Order No. DTNC1911-09483
Power Supply 120 V 60 Hz
Temp/Humi 23 'C 47 % R.H.
Test Condition FRONT CAMERA+MP3

Memo Aohai+luxshare+cresyn

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





RADIATED EMISSION

Date 2019-12-10

Order No.	DTNC1911-09483
Power Supply	120 V 60 Hz
Temp/Humi	23 'C 47 % R.H.
Test Condition	FRONT CAMERA+MP3
Memo	Aohai+luxshare+cresyn

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

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	22878.54026.20	39.26	19.53	44.48	40.51	54.00	13.49	208	142	
2	27396.13027.60	38.81	21.09	45.42	42.08	54.00	11.92	120	186	
3	33686.25025.62	41.08	23.89	46.89	43.70	54.00	10.30	273	124	
4	39846.14026.11	43.00	24.07	47.46	45.72	54.00	8.28	166	177	
----- Vertical ------										
5	22878.54028.42	39.26	19.53	44.48	42.73	54.00	11.27	120	123	
6	27396.71027.11	38.81	21.09	45.42	41.59	54.00	12.41	203	113	
7	33686.07025.99	41.08	23.89	46.89	44.07	54.00	9.93	127	178	
8	39846.17026.12	43.00	24.07	47.46	45.73	54.00	8.27	374	206	

Radiated disturbance at (30 ~ 1000) MHz _Measurement data			
Test configuration mode	**1**	**EUT Operation mode**	**1**
Test voltage (V)	**120**	**Test Frequency (Hz)**	**60**
Travel Adaptor	**Aohai**	**Ear-Mic**	**Bujeon**

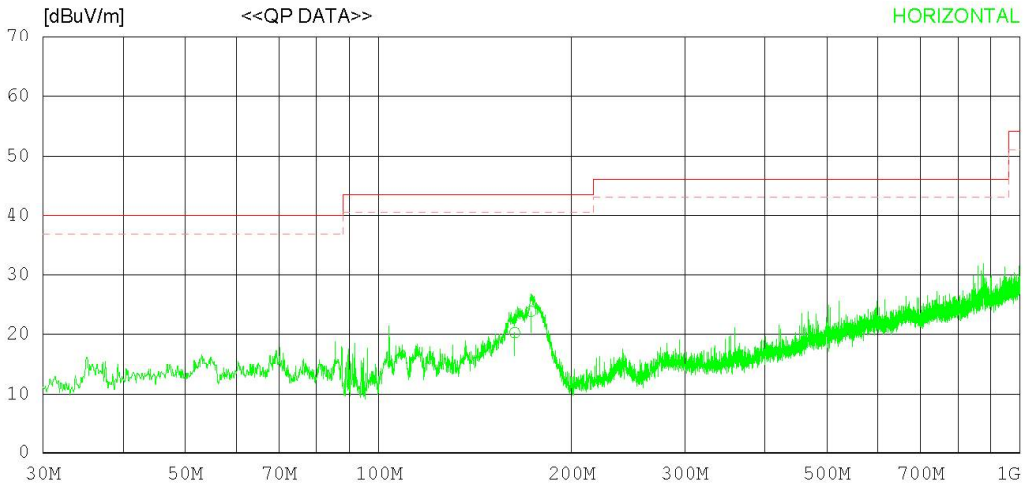
RADIATED EMISSION

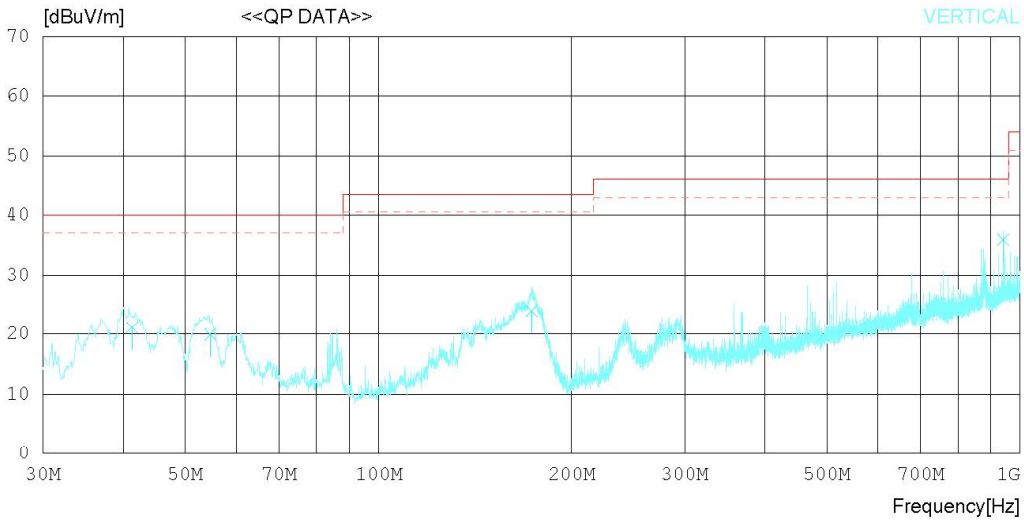
Date 2019-12-06

Order No. DTNC1911-09483
Power Supply 120 V 60 Hz
Temp/Humi 23 'C 40 % R.H.
Test Condition FRONT CAMERA+MP3

Memo Aohai+luxshare+bujeon

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





RADIATED EMISSION

Date 2019-12-06

Order No.	DTNC1911-09483
Power Supply	120 V 60 Hz
Temp/Humi	23 'C 40 % R.H.
Test Condition	FRONT CAMERA+MP3
Memo	Aohai+luxshare+bujeon

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

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	163.008	25.40	18.66	1.78	25.65	20.19	43.50	23.31	120	242
2	172.951	29.90	17.78	1.81	25.64	23.85	43.50	19.65	273	134
----- Vertical ------										
3	41.276	28.40	17.36	1.21	25.81	21.16	40.00	18.84	120	122
4	54.735	25.60	18.89	1.29	25.79	19.99	40.00	20.01	227	326
5	173.436	30.10	17.72	1.81	25.64	23.99	43.50	19.51	313	291
6	941.518	27.70	30.40	3.76	26.00	35.86	46.00	10.14	224	112

Radiated disturbance at (1 ~ 6) GHz _Peak measurement data			
Test configuration mode	**1**	**EUT Operation mode**	**1**
Test voltage (V)	**120**	**Test Frequency (Hz)**	**60**
Travel Adaptor	**Aohai**	**Ear-Mic**	**Bujeon**

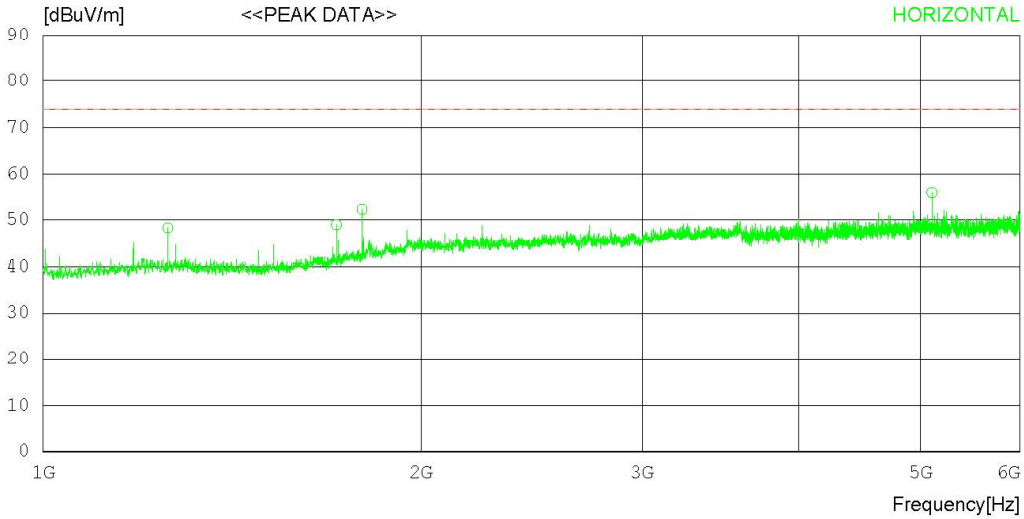
RADIATED EMISSION

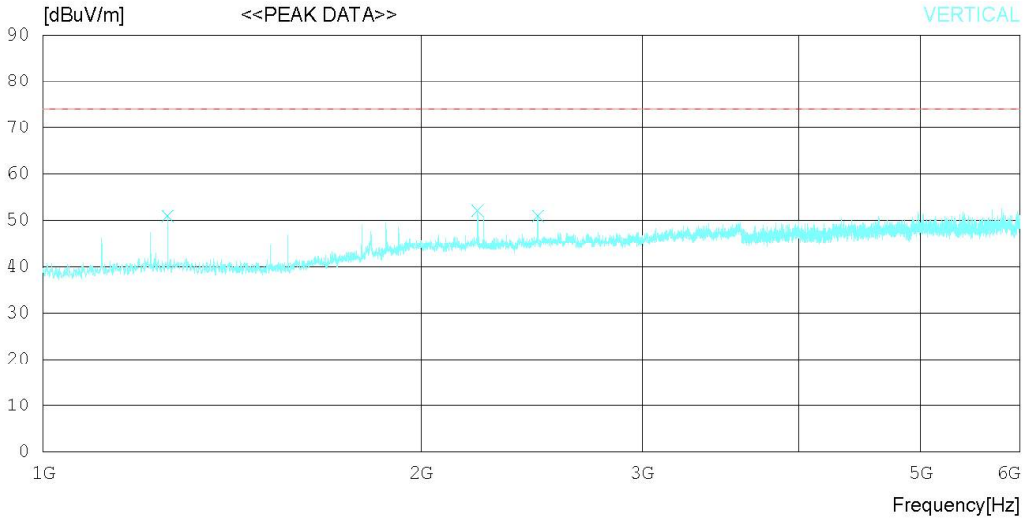
Date 2019-12-07

Order No. DTNC1911-09483
Power Supply 120 V 60 Hz
Temp/Humi 23 'C 40 % R.H.
Test Condition FRONT CAMERA+MP3

Memo Aohai+luxshare+bujeon

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





RADIATED EMISSION

Date 2019-12-07

Order No.	DTNC1911-09483
Power Supply	120 V 60 Hz
Temp/Humi	23 'C 40 % R.H.
Test Condition	FRONT CAMERA+MP3
Memo	Aohai+luxshare+bujeon

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

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	1256.875	50.20	28.71	4.81	35.39	48.33	74.0	25.67	234	358
2	1712.500	49.10	29.15	5.48	34.75	48.98	74.0	25.02	271	318
3	1795.000	50.90	30.32	5.63	34.63	52.22	74.0	21.78	113	318
4	5103.750	46.10	34.11	10.70	34.87	56.04	74.0	17.96	187	211
----- Vertical ------										
5	1256.250	52.80	28.71	4.81	35.39	50.93	74.0	23.07	342	159
6	2218.750	48.40	31.63	6.44	34.47	52.00	74.0	22	138	0
7	2477.500	46.60	32.21	6.72	34.62	50.91	74.0	23.09	273	154

Radiated disturbance at (1 ~ 6) GHz _Average measurement data			
Test configuration mode	**1**	**EUT Operation mode**	**1**
Test voltage (V)	**120**	**Test Frequency (Hz)**	**60**
Travel Adaptor	**Aohai**	**Ear-Mic**	**Bujeon**

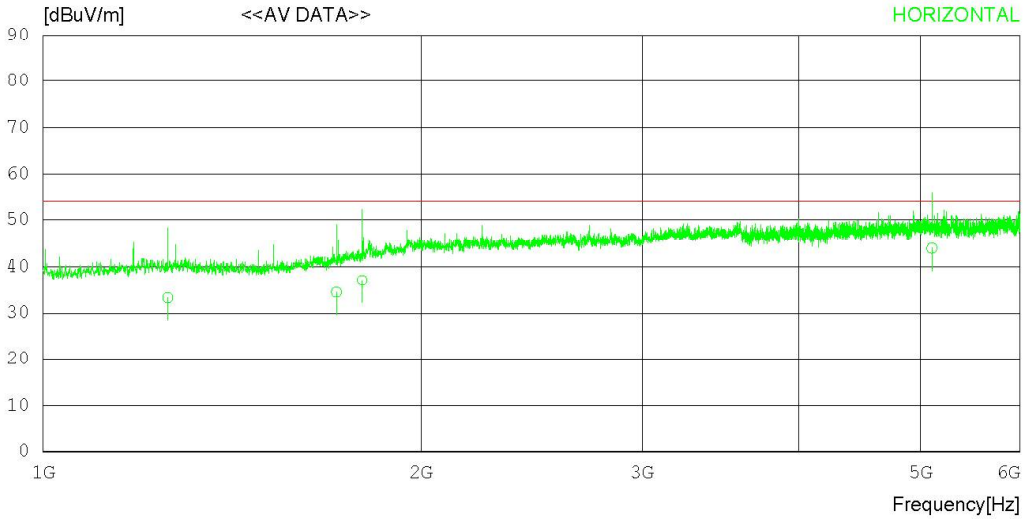
RADIATED EMISSION

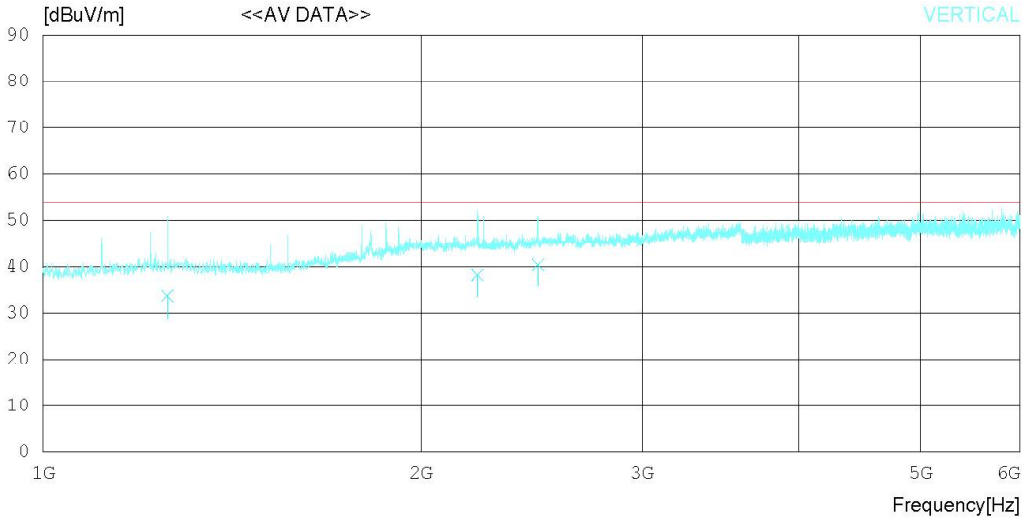
Date 2019-12-07

Order No. DTNC1911-09483
Power Supply 120 V 60 Hz
Temp/Humi 23 'C 40 % R.H.
Test Condition FRONT CAMERA+MP3

Memo Aohai+luxshare+bujeon

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





RADIATED EMISSION

Date 2019-12-07

Order No.	DTNC1911-09483
Power Supply	120 V 60 Hz
Temp/Humi	23 'C 40 % R.H.
Test Condition	FRONT CAMERA+MP3
Memo	Aohai+luxshare+bujeon

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

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	1256.841	35.20	28.71	4.81	35.39	33.33	54.00	20.67	120	142
2	1712.562	34.60	29.15	5.48	34.75	34.48	54.00	19.52	274	247
3	1795.077	35.80	30.32	5.63	34.63	37.12	54.00	16.88	312	218
4	5103.712	33.90	34.11	10.70	34.87	43.84	54.00	10.16	177	216
----- Vertical ------										
5	1256.211	35.50	28.71	4.81	35.39	33.63	54.00	20.37	120	137
6	2218.743	34.60	31.63	6.44	34.47	38.20	54.00	15.80	321	234
7	2477.512	36.10	32.21	6.72	34.62	40.41	54.00	13.59	334	124

Radiated disturbance at (6 ~ 18) GHz _Peak measurement data			
Test configuration mode	**1**	**EUT Operation mode**	**1**
Test voltage (V)	**120**	**Test Frequency (Hz)**	**60**
Travel Adaptor	**Aohai**	**Ear-Mic**	**Bujeon**

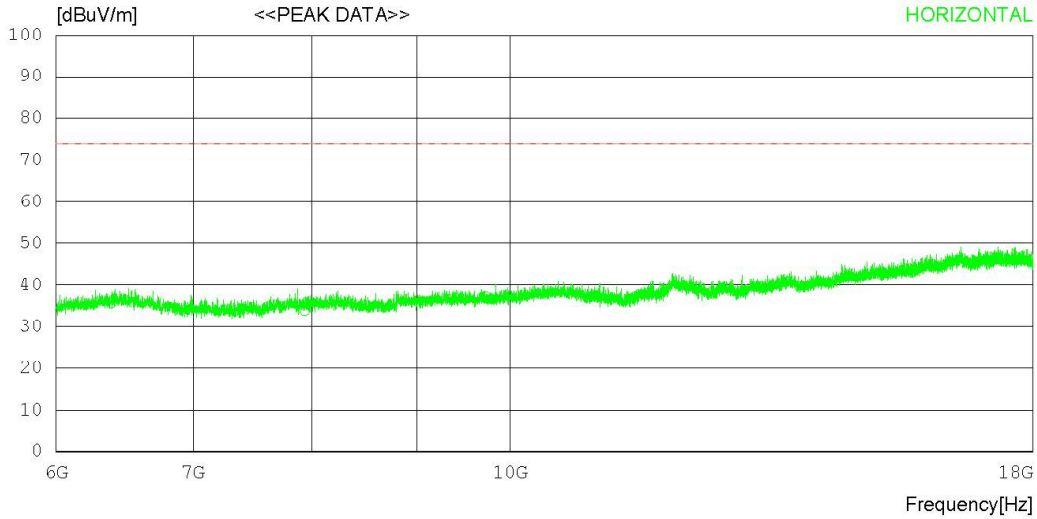
RADIATED EMISSION

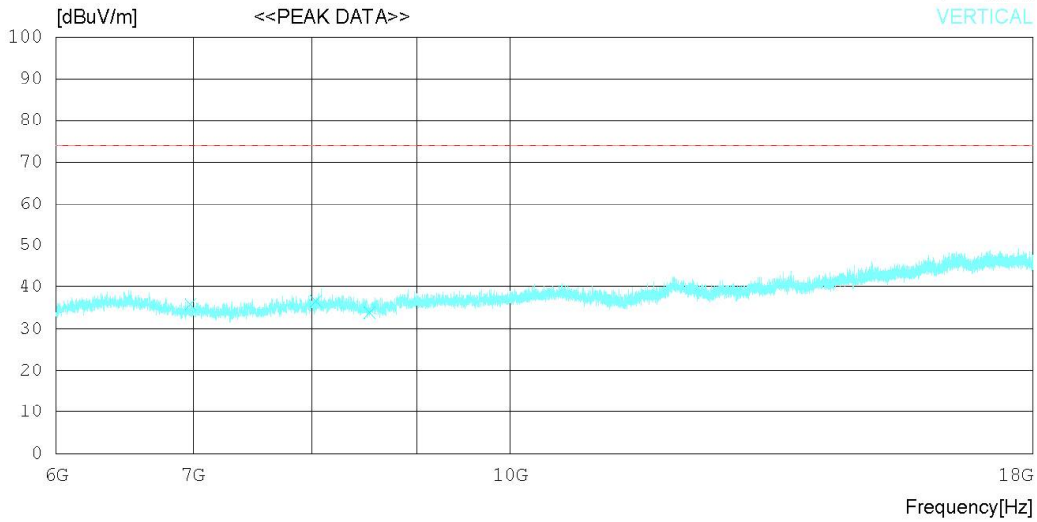
Date 2019-12-08

Order No. DTNC1911-09483
Power Supply 120 V 60 Hz
Temp/Humi 21 'C 44 % R.H.
Test Condition FRONT CAMERA+MP3

Memo Aohai+luxshare+bujeon

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





RADIATED EMISSION

Date 2019-12-08

Order No.	DTNC1911-09483
Power Supply	120 V 60 Hz
Temp/Humi	21 'C 44 % R.H.
Test Condition	FRONT CAMERA+MP3
Memo	Aohai+luxshare+bujeon

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

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	6381.000	31.70	31.62	11.14	38.67	35.79	74.0	38.21	123	289
2	7933.500	28.30	31.31	12.37	37.96	34.02	74.0	39.98	260	0
3	9727.500	29.20	32.43	14.19	38.63	37.19	74.0	36.81	188	177
----- Vertical ------										
4	6979.500	31.30	31.46	11.72	38.69	35.79	74.0	38.21	134	0
5	8036.250	30.80	31.33	12.33	37.86	36.60	74.0	37.4	263	0
6	8537.250	27.00	31.73	12.93	37.70	33.96	74.0	40.04	112	53

Radiated disturbance at (6 ~ 18) GHz _Average measurement data			
Test configuration mode	**1**	**EUT Operation mode**	**1**
Test voltage (V)	**120**	**Test Frequency (Hz)**	**60**
Travel Adaptor	**Aohai**	**Ear-Mic**	**Bujeon**

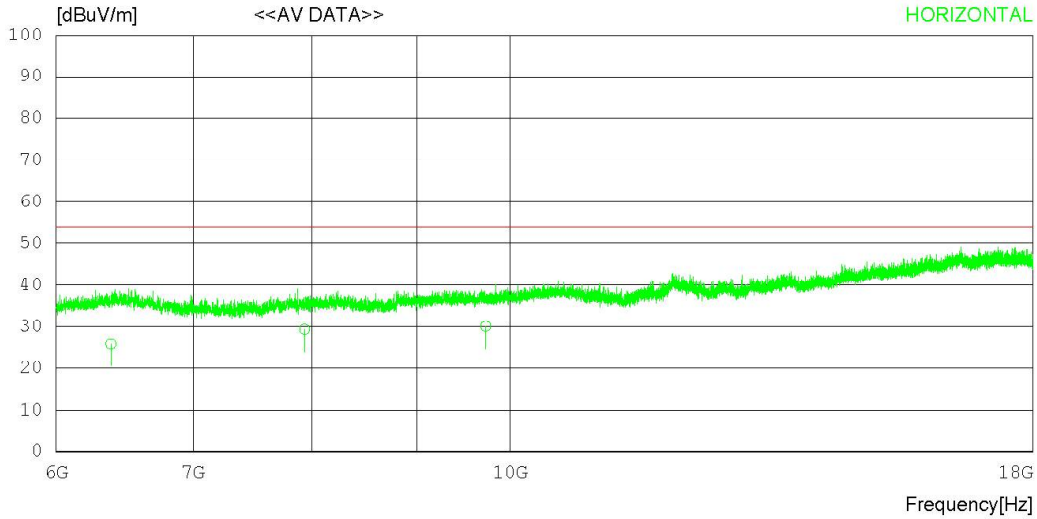
RADIATED EMISSION

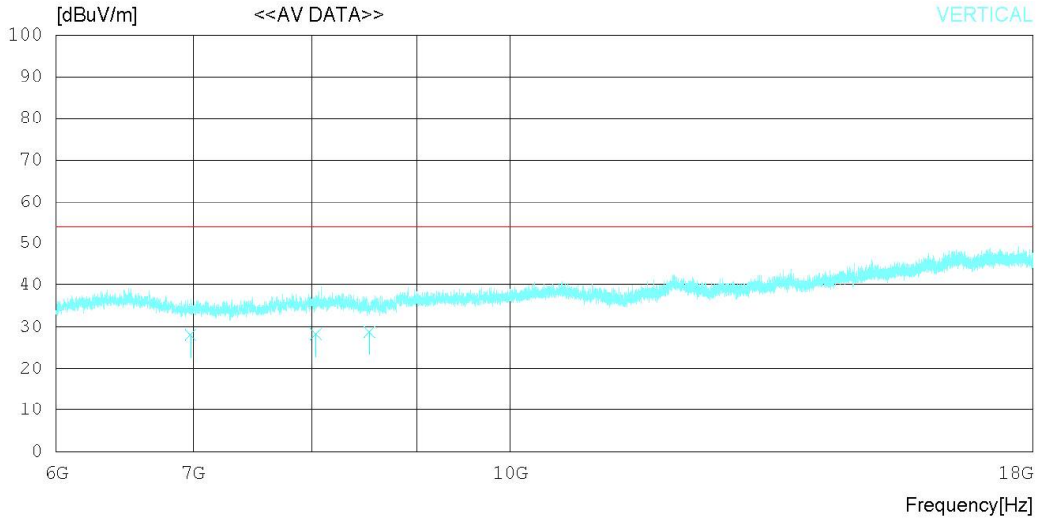
Date 2019-12-08

Order No. DTNC1911-09483
Power Supply 120 V 60 Hz
Temp/Humi 21 'C 44 % R.H.
Test Condition FRONT CAMERA+MP3

Memo Aohai+luxshare+bujeon

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





RADIATED EMISSION

Date 2019-12-08

Order No.	DTNC1911-09483
Power Supply	120 V 60 Hz
Temp/Humi	21 'C 44 % R.H.
Test Condition	FRONT CAMERA+MP3
Memo	Aohai+luxshare+bujeon

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

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	6381.024	21.80	31.62	11.14	38.67	25.89	54.00	28.11	120	189
2	7933.513	23.60	31.31	12.37	37.96	29.32	54.00	24.68	273	246
3	9727.532	22.10	32.43	14.19	38.63	30.09	54.00	23.91	166	135
----- Vertical ------										
4	6979.542	23.60	31.46	11.72	38.69	28.09	54.00	25.91	120	78
5	8036.211	22.50	31.33	12.33	37.86	28.30	54.00	25.70	227	113
6	8537.238	21.80	31.73	12.93	37.70	28.76	54.00	25.24	324	139

Radiated disturbance at (18 ~ 40) GHz _Peak measurement data			
Test configuration mode	**1**	**EUT Operation mode**	**1**
Test voltage (V)	**120**	**Test Frequency (Hz)**	**60**
Travel Adaptor	**Aohai**	**Ear-Mic**	**Bujeon**

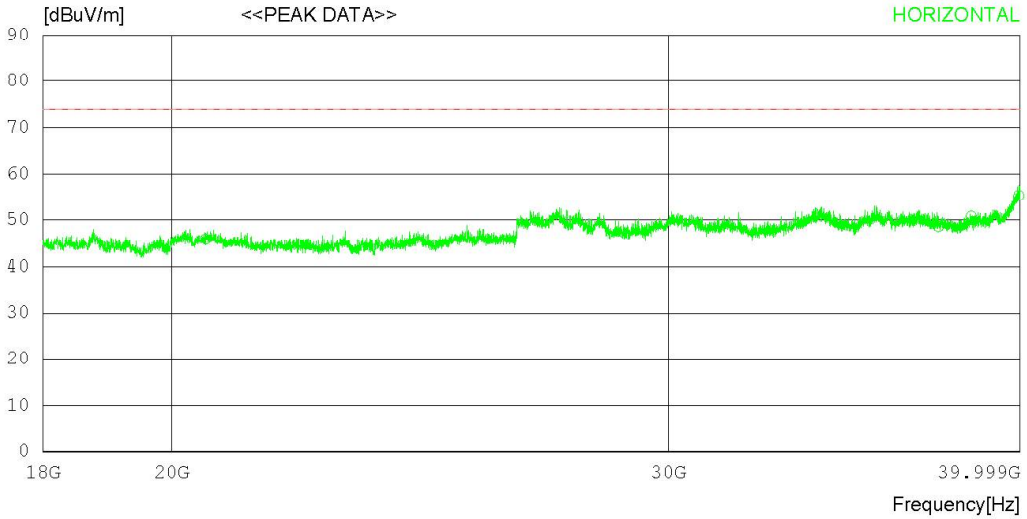
RADIATED EMISSION

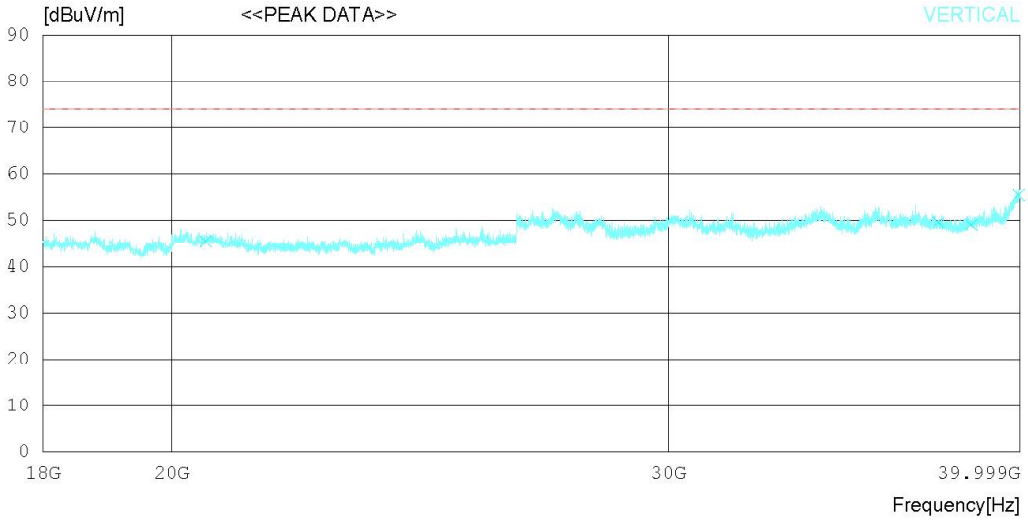
Date 2019-12-10

Order No. DTNC1911-09483
Power Supply 120 V 60 Hz
Temp/Humi 23 'C 47 % R.H.
Test Condition FRONT CAMERA+MP3

Memo Aohai+luxshare+bujeon

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





RADIATED EMISSION

Date 2019-12-10

Order No.	DTNC1911-09483
Power Supply	120 V 60 Hz
Temp/Humi	23 'C 47 % R.H.
Test Condition	FRONT CAMERA+MP3
Memo	Aohai+luxshare+bujeon

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

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	20563.000	31.30	39.31	19.56	44.29	45.88	74.0	28.12	243	358
2	37420.500	33.20	41.81	23.78	50.16	48.63	74.0	25.37	112	121
3	38438.000	35.50	41.02	23.96	49.69	50.79	74.0	23.21	135	213
4	39956.000	34.80	43.42	23.95	46.85	55.32	74.0	18.68	227	348
----- Vertical ------										
5	20563.000	30.90	39.31	19.56	44.29	45.48	74.0	28.52	342	0
6	37420.500	34.10	41.81	23.78	50.16	49.53	74.0	24.47	126	0
7	38438.000	33.80	41.02	23.96	49.69	49.09	74.0	24.91	240	358
8	39956.000	35.10	43.42	23.95	46.85	55.62	74.0	18.38	112	0

Radiated disturbance at (18 ~ 40) GHz _Average measurement data			
Test configuration mode	**1**	**EUT Operation mode**	**1**
Test voltage (V)	**120**	**Test Frequency (Hz)**	**60**
Travel Adaptor	**Aohai**	**Ear-Mic**	**Bujeon**

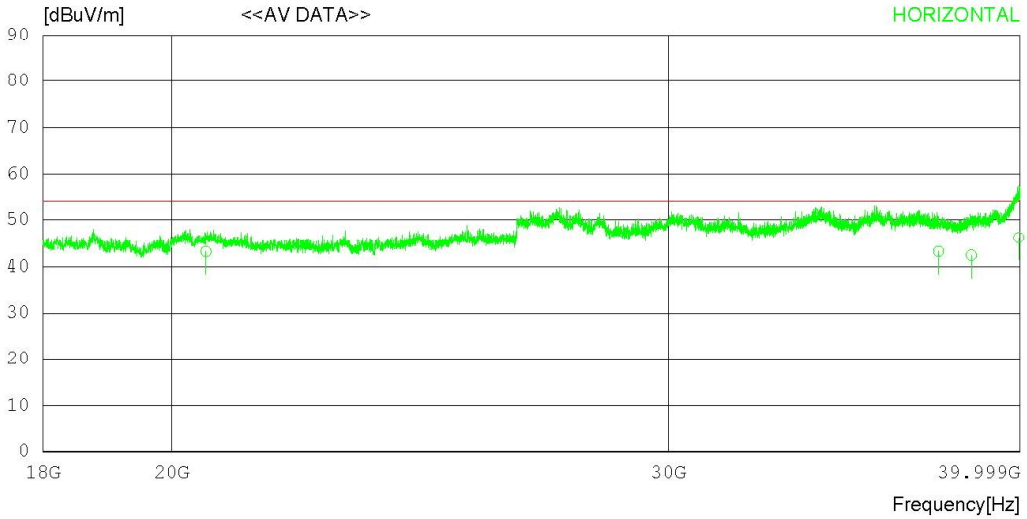
RADIATED EMISSION

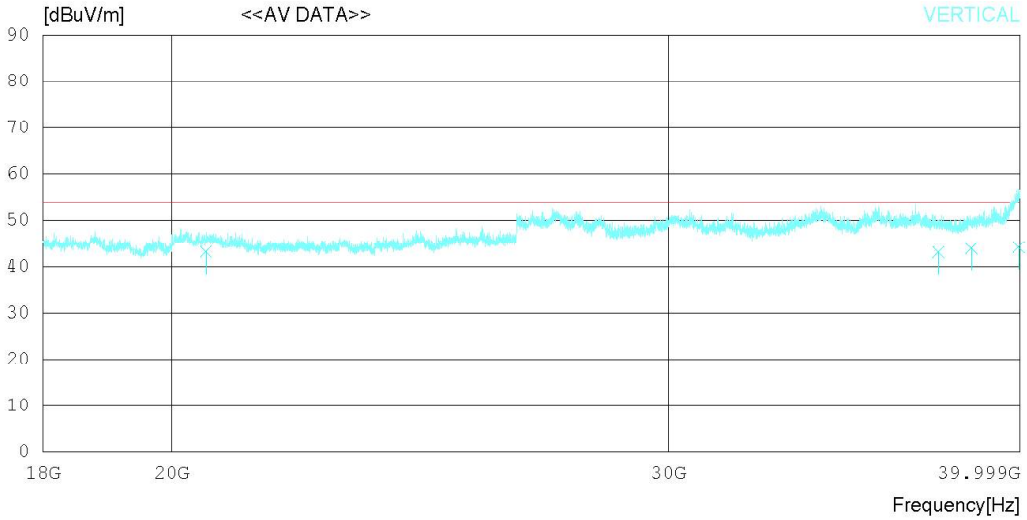
Date 2019-12-10

Order No. DTNC1911-09483
Power Supply 120 V 60 Hz
Temp/Humi 23 'C 47 % R.H.
Test Condition FRONT CAMERA+MP3

Memo Aohai+luxshare+bujeon

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





RADIATED EMISSION

Date 2019-12-10

Order No.	DTNC1911-09483
Power Supply	120 V 60 Hz
Temp/Humi	23 'C 47 % R.H.
Test Condition	FRONT CAMERA+MP3
Memo	Aohai+luxshare+bujeon

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

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	20563.04028.60	39.31	19.56	44.29	43.18	54.00	10.82	120	156	
2	37420.51027.77	41.81	23.78	50.16	43.20	54.00	10.80	237	128	
3	38438.01027.12	41.02	23.96	49.69	42.41	54.00	11.59	134	231	
4	39956.05025.66	43.42	23.95	46.85	46.18	54.00	7.82	326	248	
----- Vertical ------										
5	20563.24028.62	39.31	19.56	44.29	43.20	54.00	10.80	120	120	
6	37420.53027.66	41.81	23.78	50.16	43.09	54.00	10.91	237	273	
7	38438.42028.64	41.02	23.97	49.69	43.94	54.00	10.06	113	134	
8	39956.24023.67	43.42	23.95	46.85	44.19	54.00	9.81	308	222	

Radiated disturbance at (30 ~ 1000) MHz _Measurement data			
Test configuration mode	**2**	**EUT Operation mode**	**2**
Test voltage (V)	**120**	**Test Frequency (Hz)**	**60**
Travel Adaptor	**Aohai**	**Ear-Mic**	**Cresyn**

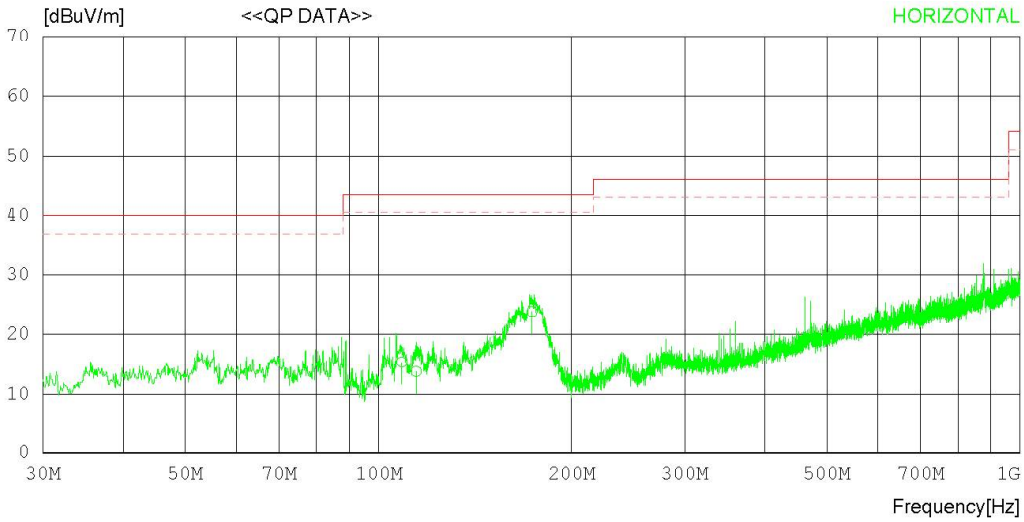
RADIATED EMISSION

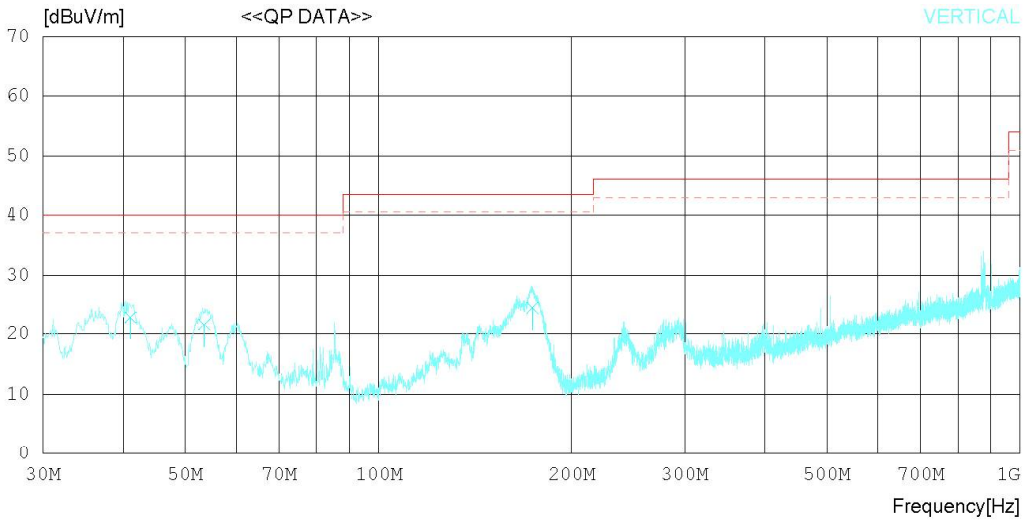
Date 2019-12-06

Order No. DTNC1911-09483
Power Supply 120 V 60 Hz
Temp/Humi 23 'C 40 % R.H.
Test Condition REAR CAMERA+RADIO

Memo Aohai+luxshare+cresyn

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





RADIATED EMISSION

Date 2019-12-06

Order No.	DTNC1911-09483
Power Supply	120 V 60 Hz
Temp/Humi	23 'C 40 % R.H.
Test Condition	REAR CAMERA+RADIO
Memo	Aohai+luxshare+cresyn

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

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	108.690	23.20	16.26	1.61	25.69	15.38	43.50	28.12	273	292
2	114.510	21.20	16.63	1.63	25.69	13.77	43.50	29.73	134	96
3	173.557	29.90	17.71	1.81	25.64	23.78	43.50	19.72	134	199
----- Vertical ------										
4	41.034	30.20	17.31	1.21	25.81	22.91	40.00	17.09	124	120
5	53.523	27.60	18.55	1.29	25.79	21.65	40.00	18.35	113	345
6	173.799	30.60	17.68	1.82	25.64	24.46	43.50	19.04	247	13

Radiated disturbance at (1 ~ 6) GHz _Peak measurement data			
Test configuration mode	**2**	**EUT Operation mode**	**2**
Test voltage (V)	**120**	**Test Frequency (Hz)**	**60**
Travel Adaptor	**Aohai**	**Ear-Mic**	**Cresyn**

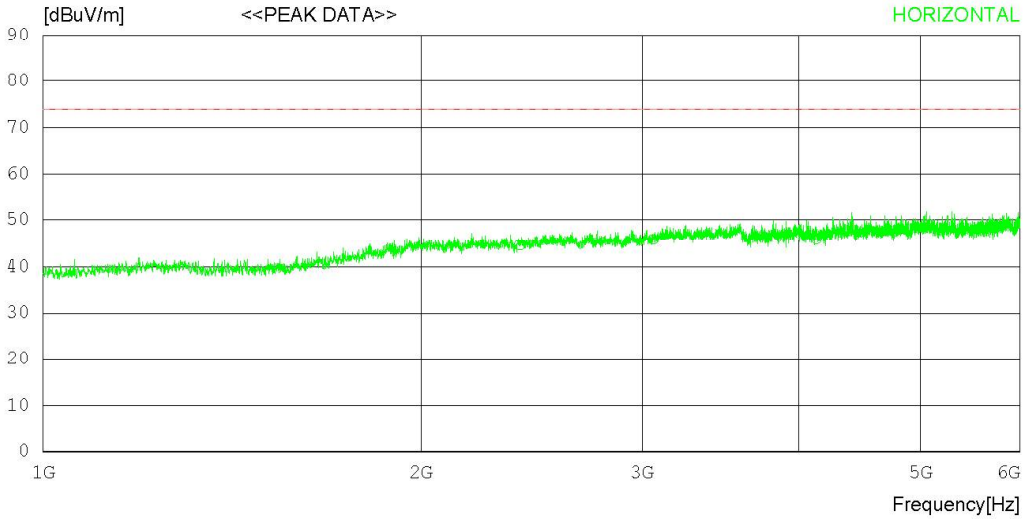
RADIATED EMISSION

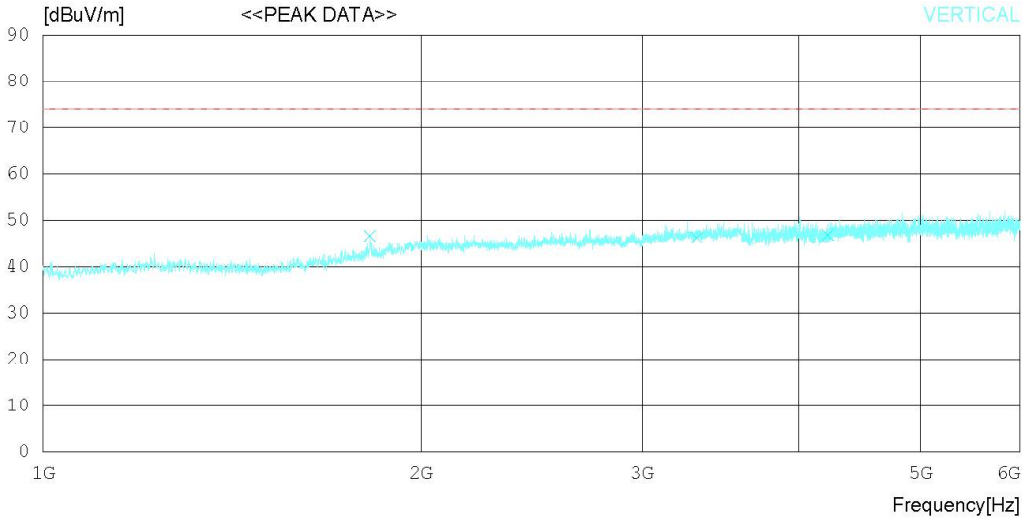
Date 2019-12-07

Order No. DTNC1911-09483
Power Supply 120 V 60 Hz
Temp/Humi 23 'C 40 % R.H.
Test Condition REAR CAMERA+RADIO

Memo Aohai+luxshare+cresyn

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





RADIATED EMISSION

Date 2019-12-07

Order No.	DTNC1911-09483
Power Supply	120 V 60 Hz
Temp/Humi	23 'C 40 % R.H.
Test Condition	REAR CAMERA+RADIO
Memo	Aohai+luxshare+cresyn

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

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	2395.625	40.70	31.79	6.64	34.57	44.56	74.0	29.44	243	258
2	3060.625	40.30	32.74	7.58	34.85	45.77	74.0	28.23	117	300
3	4130.625	37.20	33.20	9.16	33.71	45.85	74.0	28.15	325	197
----- Vertical ------										
4	1820.625	45.10	30.48	5.69	34.59	46.68	74.0	27.32	234	0
5	3318.125	40.00	32.86	7.91	34.49	46.28	74.0	27.72	277	288
6	4218.125	38.00	33.37	9.35	33.83	46.89	74.0	27.11	324	0

Radiated disturbance at (1 ~ 6) GHz _Average measurement data			
Test configuration mode	**2**	**EUT Operation mode**	**2**
Test voltage (V)	**120**	**Test Frequency (Hz)**	**60**
Travel Adaptor	**Aohai**	**Ear-Mic**	**Cresyn**

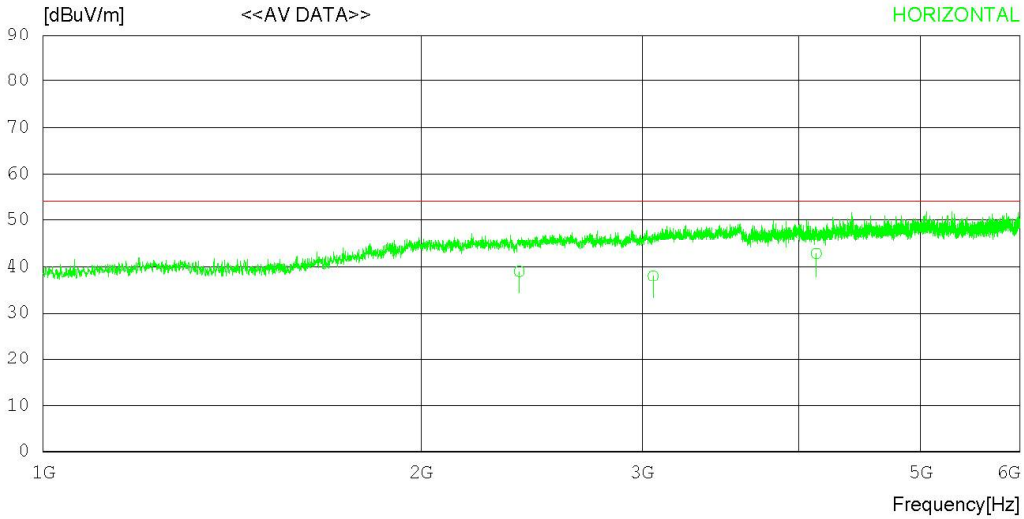
RADIATED EMISSION

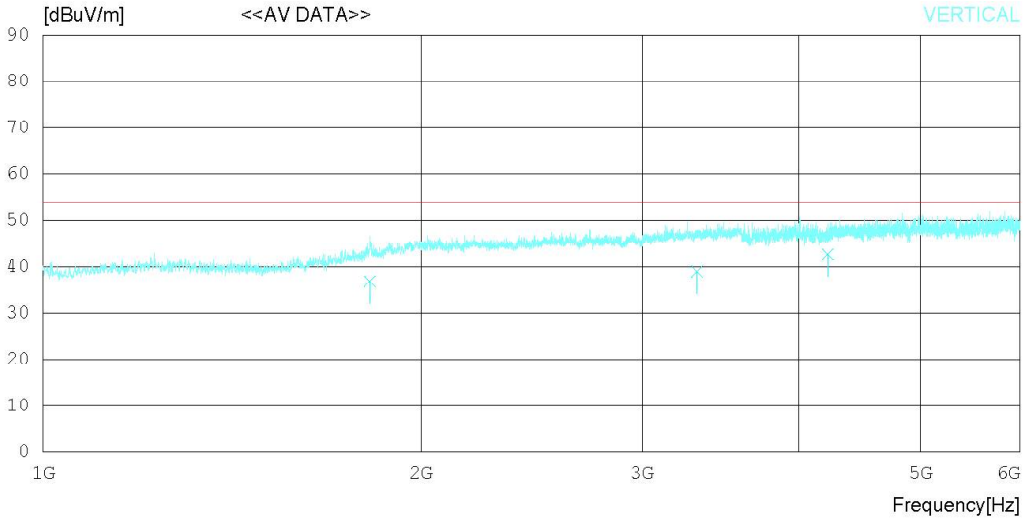
Date 2019-12-07

Order No. DTNC1911-09483
Power Supply 120 V 60 Hz
Temp/Humi 23 'C 40 % R.H.
Test Condition REAR CAMERA+RADIO

Memo Aohai+luxshare+cresyn

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





RADIATED EMISSION

Date 2019-12-07

Order No.	DTNC1911-09483
Power Supply	120 V 60 Hz
Temp/Humi	23 'C 40 % R.H.
Test Condition	REAR CAMERA+RADIO
Memo	Aohai+luxshare+cresyn

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

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	2395.122	35.20	31.79	6.64	34.57	39.06	54.00	14.94	305	120
2	3060.472	32.60	32.74	7.58	34.85	38.07	54.00	15.93	277	223
3	4130.124	34.10	33.20	9.16	33.71	42.75	54.00	11.25	120	188
----- Vertical ------										
4	1820.421	35.20	30.48	5.68	34.59	36.77	54.00	17.23	120	120
5	3318.177	32.60	32.86	7.91	34.49	38.88	54.00	15.12	273	137
6	4218.302	33.70	33.37	9.35	33.83	42.59	54.00	11.41	133	124