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. : DREFCC2002-0059(2)

2. Client / Applicant

   • Name : LG Electronics USA, Inc.

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

3. Use of Report : Grant of Certification

4. Product Name / Model Name / FCC ID : Mobile Phone / LM-V601V / ZNFV601V

5. Test Standard : ANSI C 63.4 : 2014
   FCC Part 15 Subpart B
   (Class B personal computers and peripherals)

6. Date of Test : Jan. 14. 2020 ~ Feb. 12. 2020

7. Testing Environment : Temperature (19 ~ 23) °C , Humidity (40 ~ 48) % R.H.

8. Test Result : Refer to the attached Test Result

Affirmation	Tested by Name : ChanGeun Lee (Signature)	Reviewed by Name : KyoungHwan Bae (Signature)

Feb. 13. 2020

DT&C Co., Ltd.

'This test report is not related to KS Q ISO/IEC 17025 and KOLAS accreditation.'

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-V601V
Add Model Name	LMV601V, V601V
FCC ID	ZNFV601V
Rated Power	DC 3.87 V
Remarks	None

* Accessory

Equipment	No.	Manufacturer	Model Name	Product Number
Ear-Mic	1	CRESYN	EMB-LGE53	EAB63728251
Data Cable	1	NINGBO	LG0179	EAD65830102
USB C/A Gender	1	KSD	N/A	EBX64329001
Dual Screen	1	LG Electronics	LM-V605N	LM-V605N

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	DISPLAY	EUT Was with H letter output connected to monitor
2	PC Link	The EUT is reading, writing, internal storage
3	PC Link + Dual Screen	EUT connected to Dual Screen The EUT is reading, writing, internal storage
4	WIRELESS CHARGING	EUT was at high speed on the wireless charger

4.3 Test Configuration Mode

No.	Mode	Description
1	DISPLAY	The EUT is connected USB C type TO HDMI by LCD MONITOR The EUT is connected to Earphones
2	PC Link	EUT was connected NOTEBOOK by USB cable C type and continuously operated The EUT is connected to Earphones
3	PC Link + Dual Screen	The EUT is connected to Dual Screen Dual Screen is connected to USB C/A Gender USB C/A Gender was connected NOTEBOOK by USB cable C type and continuously operated The EUT is connected to Earphones
4	WIRELESS CHARGING	The EUT on the wireless charging pad The EUT is connected to Earphones

4.4 Supported Equipment

Used*	Product Type	Manufacturer	Model	Remarks
AE	NOTEBOOK	LG	LG15Z96	607NZUD007502
AE	NOTEBOOK ADAPTOR	Genmao Electronics	LCAP48-WK	N/A
AE	SSD	SAMSUNG	MU-PT250B	S2WKNAAH32059X
AE	KEYBOARD	Logitech	Y-U0011	N/A
AE	MOUSE	Logitech	M-U0026	N/A
AE	LCD MONITOR	DELL	P2217H	N/A
AE	Headset	SAMSUNG	SHS-150V/M	N/A
AE	wireless charger	belkin	F7U050	26S10EH4840924
AE	wireless charger adapter	belkin	ADS-26FSG12	N/A

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

4.5 EUT In/Output Port

(MODE 1)

Name	Type*	Cable Max. >3 m	Cable Shielded	Cable Back shell	Remarks
HDMI POEWER	I/O AC	2.0 1.8	shield Non shield	Plastic Plastic	LCD MONITOR
USB	I/O	1.5	Shield	Plastic	EUT
AUX	I/O	1.5	Non 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

(MODE 2)

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
USB(EUT) USB(MOUSE) USB(KEYBOARD) USB(SSD) HDMI(MONITOR) AUX(Headset) DC IN(ADAPTER)	I/O I/O I/O I/O I/O I/O DC	1.3 1.8 1.8 1.0 1.8 1.8 1.8	Non shield Non shield Non shield Non shield shield Non shield Non shield	Plastic Plastic Plastic Plastic Plastic Plastic Plastic	NOTEBOOK
DC OUT POEWER	DC AC	1.8 -	Non shield Non shield	Plastic Plastic	NOTEBOOK ADAPTOR

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

(MODE 3)

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
USB(USB C/A Gender) USB(MOUSE) USB(KEYBOARD) USB(SSD) HDMI(MONITOR) AUX(Headset) DC IN(ADAPTER)	I/O I/O I/O I/O I/O I/O DC	1.3 1.8 1.8 1.0 1.8 1.8 1.8	Non shield Non shield Non shield Non shield shield Non shield Non shield	Plastic Plastic Plastic Plastic Plastic Plastic Plastic	NOTEBOOK
DC OUT POEWER	DC AC	1.8 -	Non shield Non shield	Plastic Plastic	NOTEBOOK ADAPTOR
USB	I/O	-	-	Plastic	Dual Screen
PIN	I/O	-	-	Plastic	USB C/A Gender

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

(MODE 4)

Name	Type*	Cable Max. >3 m	Cable Shielded	Cable Back shell	Remarks
DC IN	DC	1.5	Non shield	Plastic	WIRELESS CHARGER
DC OUT POEWER	DC AC	1.5 -	Non shield -	Plastic -	WIRELESS CHARGER ADAPTER
AUX	I/O	1.5	Non 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
2	DC 3.87	-	-	Battery

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		

-Conducted Disturbance

Frequency [MHz]	Phase	Result [dBµV]	Detector	Limit [dBµV]	Margin [dB]
0.32450	N	37.98	Cispr - Average	49.59	11.61

-Radiated Disturbance

Frequency [MHz]	Pol.	Result [dBµV/m]	Detector	Limit [dBµV/m]	Margin [dB]
43.701	V	36.22	Quasi - Peak	40.00	3.78

6. Test Environment

Test Items	Test date (YYYY-MM-DD)	Temp. (℃)	Humidity (% R.H.)	Pressure (kPa)
Conducted Disturbance	2020-01-15 2020-02-12	21 21	42 42	-
Radiated Disturbance	2020-01-14 2020-01-16 2020-01-18 2020-01-17 2020-02-12	20 19 22 21 23	45 40 45 43 48	-

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 ov er the following frequency range	**Frequency range on each side of line**	**Measurement Point**
	150 kHz to 30 MHz	**Mains**
EUT mode	**Test configuration mode**	**2, 3, 4**
(Refer to clauses 4)	**EUT Operation mode**	**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	ESR	ROHDE&SCHWARZ	101767	2019.12.17	2020.12.17
TWO-LINE V-NETWORK	ENV216	ROHDE&SCHWARZ	101979	2019.12.06	2020.12.06
LISN	LISN1600	TTI	197204	2019.06.04	2020.06.04
TRANSIENT LIMITER	TL-B0930A	EMCIS	11002	2019.08.30	2020.08.30
50 OHM TERMINATOR	CT-01	TME	N/A	2019.12.16	2020.12.16

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

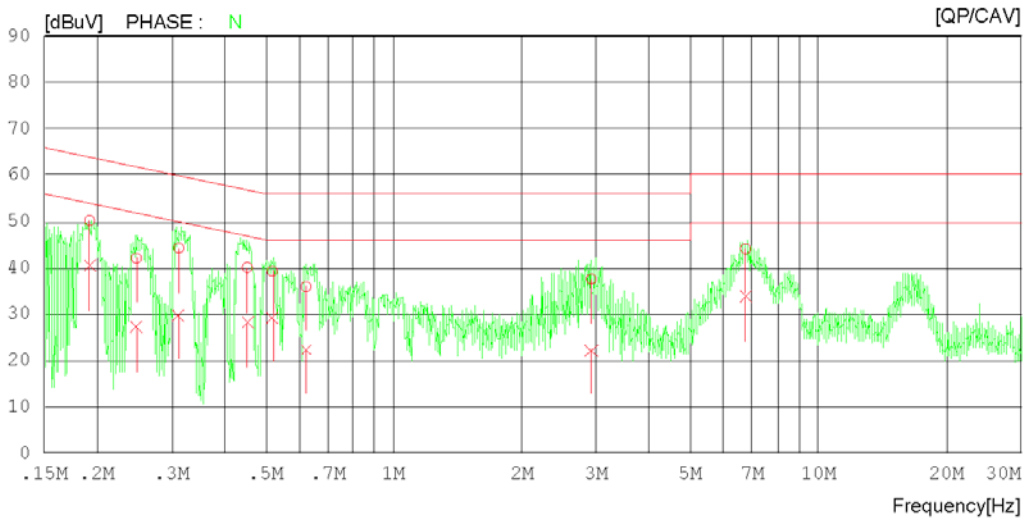
Results of Conducted Emission

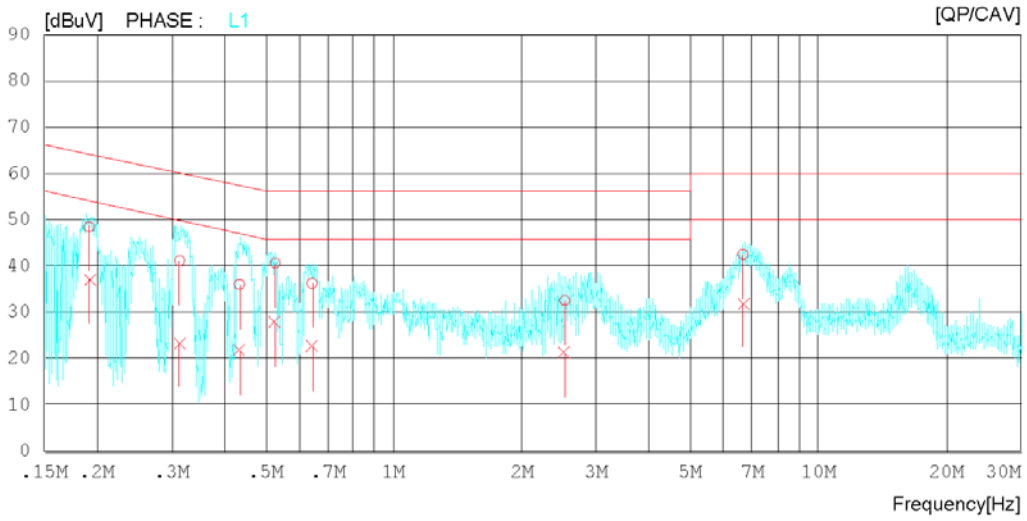
DT&C
Date 2020-02-12

Order No. DTNC2001-00118
Power Supply 120 VAC 60 Hz
Temp/Humi/Atm 21 'C 42 % R.H. 101.2 kPa
Test Condition PC Link

Memo

LIMIT : CISPR32_B QP
CISPR32_B AV





Results of Conducted Emission

DT&C
Date 2020-02-12

Order No. DTNC2001-00118
Power Supply 120 VAC 60 Hz
Temp/Humi/Atm 21 'C 42 % R.H. 101.2 kPa
Test Condition PC Link

Memo

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	0.19192	30.15	20.39	20.05	50.20	40.44	63.95	53.95	13.75	13.51	N
2	0.24750	22.22	7.45	19.82	42.04	27.27	61.84	51.84	19.80	24.57	N
3	0.31150	24.33	9.86	19.94	44.27	29.80	59.93	49.93	15.66	20.13	N
4	0.45150	19.85	7.96	20.21	40.06	28.17	56.85	46.85	16.79	18.68	N
5	0.51750	19.05	8.93	20.24	39.29	29.17	56.00	46.00	16.71	16.83	N
6	0.62172	15.68	2.09	20.22	35.90	22.31	56.00	46.00	20.10	23.69	N
7	2.92077	17.49	2.07	20.09	37.58	22.16	56.00	46.00	18.42	23.84	N
8	6.74114	23.75	13.46	20.38	44.13	33.84	60.00	50.00	15.87	16.16	N
9	0.19150	28.39	17.14	20.06	48.45	37.20	63.97	53.97	15.52	16.77	L1
10	0.31310	21.18	3.53	19.96	41.14	23.49	59.89	49.89	18.75	26.40	L1
11	0.43250	15.82	1.56	20.20	36.02	21.76	57.20	47.20	21.18	25.44	L1
12	0.52550	20.41	7.67	20.24	40.65	27.91	56.00	46.00	15.35	18.09	L1
13	0.64218	16.06	2.48	20.20	36.26	22.68	56.00	46.00	19.74	23.32	L1
14	2.53036	12.47	1.06	20.12	32.59	21.18	56.00	46.00	23.41	24.82	L1
15	6.65053	22.07	11.35	20.47	42.54	31.82	60.00	50.00	17.46	18.18	L1

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

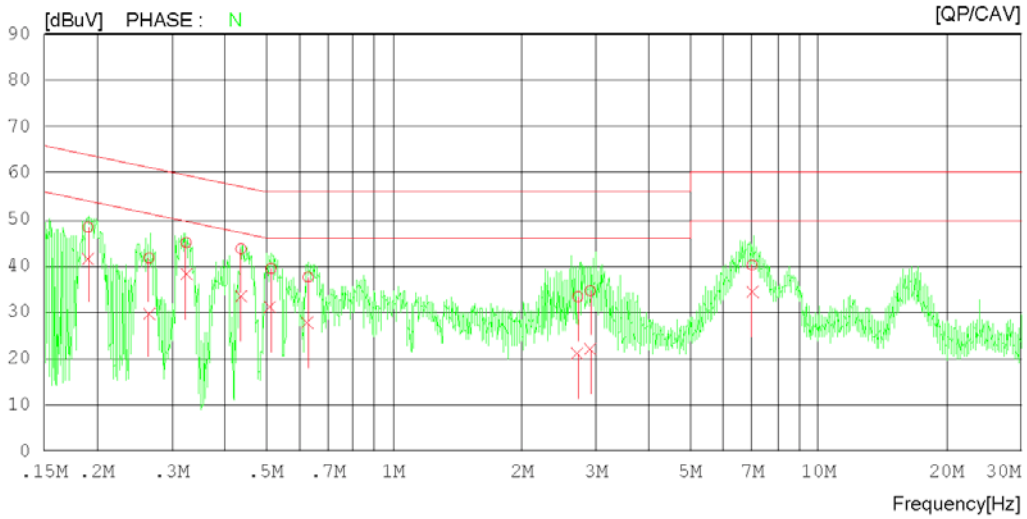
Results of Conducted Emission

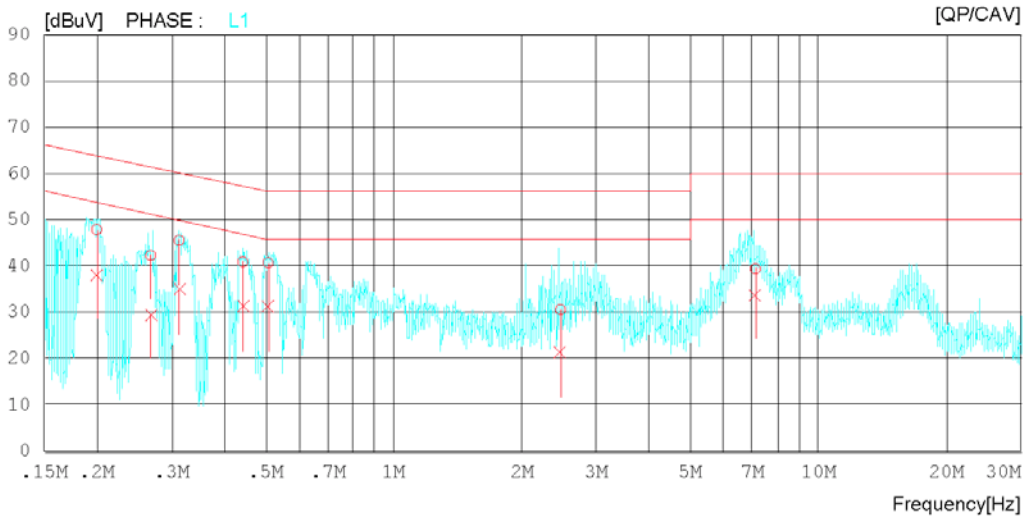
DT&C
Date 2020-02-12

Order No. DTNC2001-00118
Power Supply 120 VAC 60 Hz
Temp/Humi/Atm 21 'C 42 % R.H. 101.2 kPa
Test Condition PC Link + Dual Screen

Memo

LIMIT : CISPR32_B QP
CISPR32_B AV





Results of Conducted Emission

DT&C
Date 2020-02-12

Order No. DTNC2001-00118
Power Supply 120 VAC 60 Hz
Temp/Humi/Atm 21 'C 42 % R.H. 101.2 kPa
Test Condition PC Link + Dual Screen

Memo

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	0.19029	28.22	21.63	20.06	48.28	41.69	64.02	54.02	15.74	12.33	N
2	0.26518	21.81	9.94	19.84	41.65	29.78	61.27	51.27	19.62	21.49	N
3	0.32450	25.05	18.00	19.98	45.03	37.98	59.59	49.59	14.56	11.61	N
4	0.43650	23.43	13.11	20.20	43.63	33.31	57.13	47.13	13.50	13.82	N
5	0.51384	19.20	10.77	20.24	39.44	31.01	56.00	46.00	16.56	14.99	N
6	0.62850	17.35	7.41	20.21	37.56	27.62	56.00	46.00	18.44	18.38	N
7	2.71633	13.18	0.86	20.11	33.29	20.97	56.00	46.00	22.71	25.03	N
8	2.90469	14.53	1.88	20.09	34.62	21.97	56.00	46.00	21.38	24.03	N
9	6.97732	19.68	13.99	20.41	40.09	34.40	60.00	50.00	19.91	15.60	N
10	0.19950	27.87	18.09	20.00	47.87	38.09	63.63	53.63	15.76	15.54	L1
11	0.26750	22.46	9.67	19.85	42.31	29.52	61.20	51.20	18.89	21.68	L1
12	0.31220	25.58	15.08	19.94	45.52	35.02	59.91	49.91	14.39	14.89	L1
13	0.44114	20.66	10.90	20.20	40.86	31.10	57.04	47.04	16.18	15.94	L1
14	0.50573	20.47	10.91	20.24	40.71	31.15	56.00	46.00	15.29	14.85	L1
15	2.47192	10.44	1.19	20.13	30.57	21.32	56.00	46.00	25.43	24.68	L1
16	7.10565	18.86	13.30	20.52	39.38	33.82	60.00	50.00	20.62	16.18	L1

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

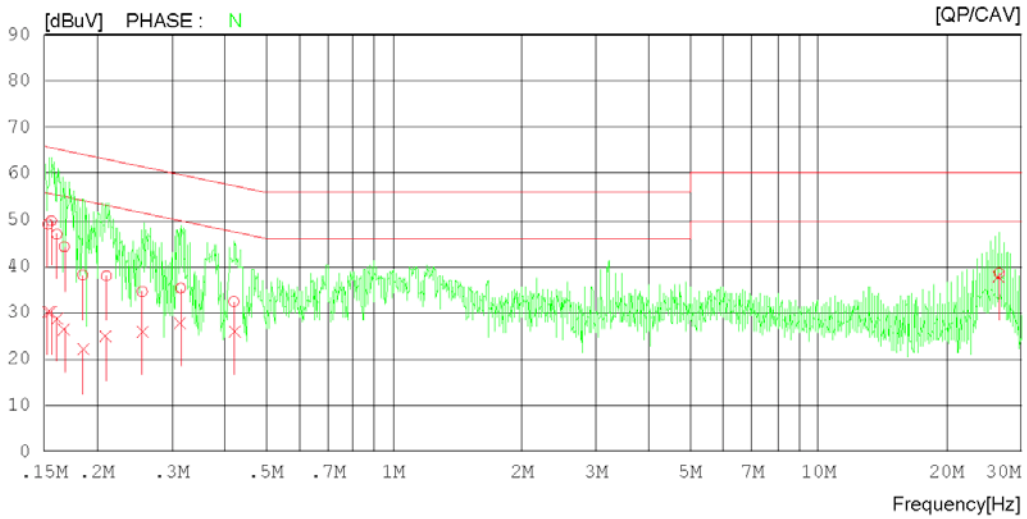
Results of Conducted Emission

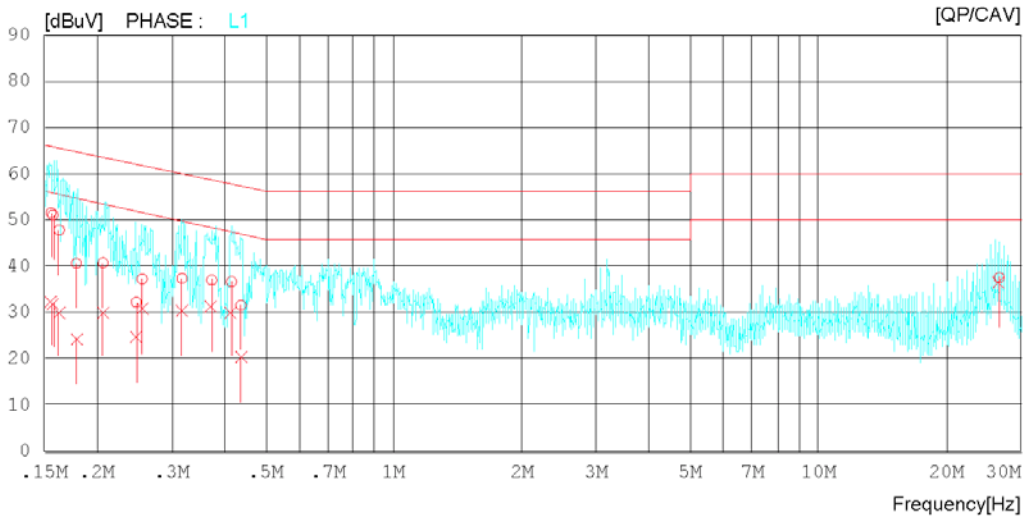
DT&C
Date 2020-01-15

Order No. DTNC2001-00118
Power Supply 120 VAC 60 Hz
Temp/Humi/Atm 21 'C 42 % R.H. 100.7 kPa
Test Condition Wireless Charge Mode

Memo

LIMIT : CISPR32_B QP
CISPR32_B AV





Results of Conducted Emission

DT&C
Date 2020-01-15

Order No. DTNC2001-00118
Power Supply 120 VAC 60 Hz
Temp/Humi/Atm 21 'C 42 % R.H. 100.7 kPa
Test Condition Wireless Charge Mode

Memo

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	0.15326	29.16	10.21	19.96	49.12	30.17	65.82	55.82	16.70	25.65	N
2	0.15605	29.83	10.32	20.00	49.83	30.32	65.67	55.67	15.84	25.35	N
3	0.16079	26.85	8.86	20.07	46.92	28.93	65.42	55.42	18.50	26.49	N
4	0.16736	24.02	6.25	20.17	44.19	26.42	65.09	55.09	20.90	28.67	N
5	0.18506	18.06	1.96	20.10	38.16	22.06	64.26	54.26	26.10	32.20	N
6	0.21031	17.95	4.74	19.96	37.91	24.70	63.19	53.19	25.28	28.49	N
7	0.25556	14.75	6.21	19.82	34.57	26.03	61.57	51.57	27.00	25.54	N
8	0.31462	15.31	7.86	19.96	35.27	27.82	59.85	49.85	24.58	22.03	N
9	0.41991	12.20	5.71	20.19	32.39	25.90	57.45	47.45	25.06	21.55	N
10	26.67580	17.94	17.17	20.56	38.50	37.73	60.00	50.00	21.50	12.27	N
11	0.15592	31.49	12.26	20.00	51.49	32.26	65.68	55.68	14.19	23.42	L1
12	0.15742	31.02	11.98	20.02	51.04	32.00	65.60	55.60	14.56	23.60	L1
13	0.16290	27.71	9.97	20.10	47.81	30.07	65.31	55.31	17.50	25.24	L1
14	0.17882	20.44	4.08	20.14	40.58	24.22	64.54	54.54	23.96	30.32	L1
15	0.20650	20.72	9.97	19.97	40.69	29.94	63.34	53.34	22.65	23.40	L1
16	0.24744	12.45	4.71	19.82	32.27	24.53	61.84	51.84	29.57	27.31	L1
17	0.25529	17.42	10.99	19.82	37.24	30.81	61.58	51.58	24.34	20.77	L1
18	0.31710	17.37	10.37	19.96	37.33	30.33	59.78	49.78	22.45	19.45	L1
19	0.37248	16.88	11.02	20.10	36.98	31.12	58.45	48.45	21.47	17.33	L1
20	0.41476	16.46	9.85	20.19	36.65	30.04	57.55	47.55	20.90	17.51	L1
21	0.43647	11.34	0.03	20.20	31.54	20.23	57.13	47.13	25.59	26.90	L1
22	26.67240	16.94	15.94	20.56	37.50	36.50	60.00	50.00	22.50	13.50	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 or 3 meter below 1GHz and 3 meter above 1GHz. The EUT was rotated 360° about its azimuth with the receive antenna located at various heights in horizontal and vertical polarities. Final measurements were then performed by rotating the EUT 360° and adjusting the receive antenna height from 1 to 4 m. All frequencies were investigated in both horizontal and vertical antenna polarity, where applicable. For final measurement below 1 GHz frequency range, Quasi-Peak detector with (RBW = 120 kHz Bandwidth) was used. For final measurement above 1 GHz frequency range, Peak detector with (RBW = 1 MHz Bandwidth) and CISPR Average detector with (RBW = 1 MHz Bandwidth) were used.		**Comply**

EUT mode (Refer to clauses 4)	**Test configuration mode**	**1, 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		**Class B**
	3 m distance	**10 m distance**	**3 m distance**
30 to 88	49.1	39.1	40
88 to 216	53.5	43.5	43.5
216 to 960	56.4	46.4	46
960 to 1 000	59.5	49.5	54

According to 15.109(g), as an alternative to the radiated emission limit shown above, digital devices may be shown to comply with the standards contained in Third Edition of the International Special Committee on Radio Interference (CISPR), Pub. 22 shown.

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	ESU40	ROHDE&SCHWARZ	100525	2019.12.20	2020.12.20
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
PRE AMPLIFIER	8449B	H.P	3008A00887	2019.08.26	2020.08.26
HORN ANTENNA WITH PREAMPLIFIER	EM-6969	ELECTRO-METRICS	156	2019.02.13	2021.02.13
	MLA-0618-B03-34	TSJ	1785642	2019.12.31	2020.12.31
HORN ANTENNA WITH PREAMPLIFIER	3116C	ETS-LINDGREN	00213177	2019.12.12	2021.12.12
	JS44-18004000-35-8P	L3 NARDA-MITEQ	2046884	2019.11.04	2020.11.04
(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)	**Battery**	**Test Frequency (Hz)**	**-**
Ear-Mic	**Cresyn**	**Data cable**	**-**

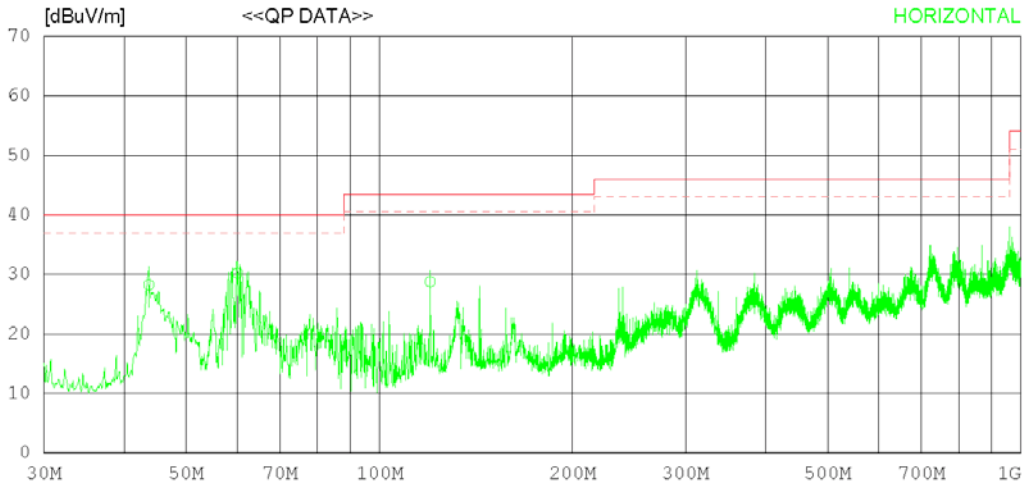
RADIATED EMISSION

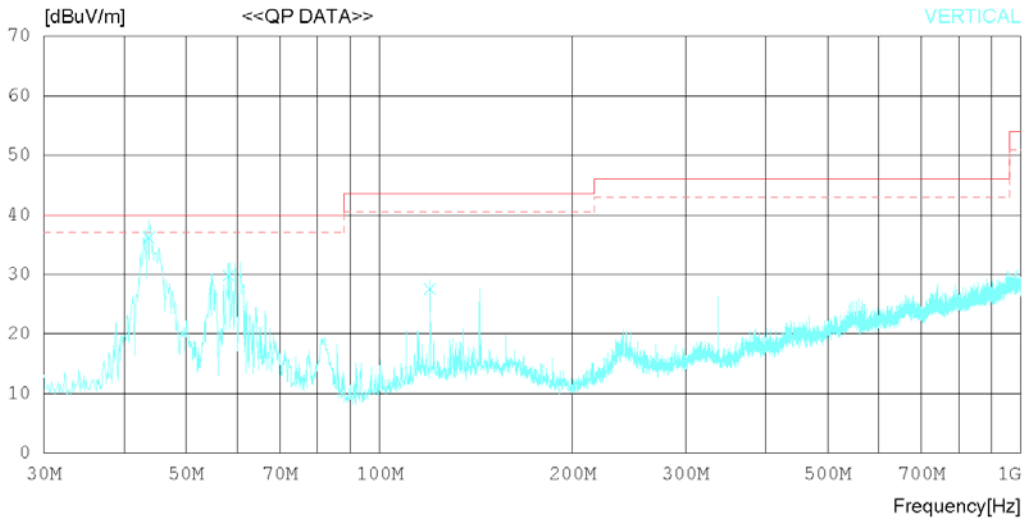
Date 2020-01-16

Order No. DTNC2001-00118
Power Supply Battery
Temp/Humi 19 'C 40 %.R.H.
Test Condition Display Mode

Memo

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





RADIATED EMISSION

Date 2020-01-16

Order No. DTNC2001-00118
Power Supply Battery
Temp/Humi 19 'C 40 %.R.H.
Test Condition Display Mode

Memo

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	43.701	35.20	17.60	1.23	25.81	28.22	40.00	11.78	395	267
2	60.070	36.80	17.90	1.29	25.78	30.21	40.00	9.79	396	58
3	119.966	35.90	16.90	1.66	25.69	28.77	43.50	14.73	201	0
----- Vertical ------										
4	43.701	43.20	17.60	1.23	25.81	36.22	40.00	3.78	211	352
5	58.130	36.30	17.99	1.29	25.78	29.80	40.00	10.20	207	87
6	119.966	34.70	16.90	1.66	25.69	27.57	43.50	15.93	105	215

Radiated disturbance at (1 ~ 6) GHz _Peak measurement data			
Test configuration mode	**1**	**EUT Operation mode**	**1**
Test voltage (V)	**Battery**	**Test Frequency (Hz)**	**-**
Ear-Mic	**Cresyn**	**Data cable**	**-**

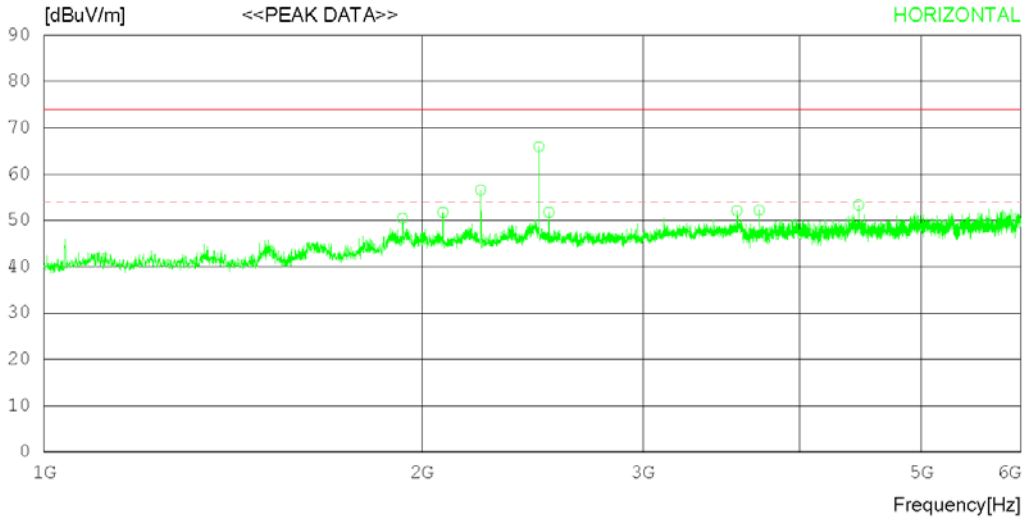
RADIATED EMISSION

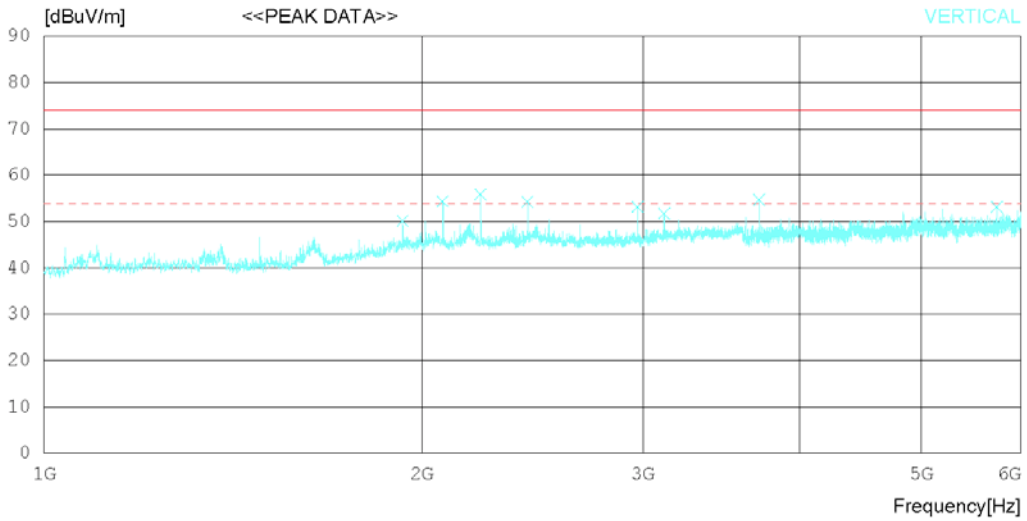
Date 2020-01-14

Order No. DTNC2001-00118
Power Supply Battery
Temp/Humi 20 'C 45 %.R.H.
Test Condition Display Mode

Memo

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





RADIATED EMISSION

Date 2020-01-14

Order No. DTNC2001-00118
Power Supply Battery
Temp/Humi 20 'C 45 %.R.H.
Test Condition Display Mode

Memo

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

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	1930.000	47.60	31.34	5.94	34.44	50.44	74.0	23.56	108	0
2	2078.750	48.20	31.70	6.24	34.39	51.75	74.0	22.25	214	0
3	2227.500	53.00	31.59	6.45	34.47	56.57	74.0	17.43	108	218
4	2478.750	61.60	32.22	6.73	34.62	65.93	74.0	8.07	185	0
5	2524.375	47.20	32.40	6.79	34.65	51.74	74.0	22.26	113	205
6	3564.375	44.90	33.07	8.25	34.15	52.07	74.0	21.93	105	205
7	3712.500	44.50	33.00	8.65	33.94	52.21	74.0	21.79	153	192
8	4455.000	43.70	33.90	9.88	34.14	53.34	74.0	20.66	199	223
----- Vertical ------										
9	1930.625	47.30	31.35	5.94	34.44	50.15	74.0	23.85	231	50
10	2078.750	50.80	31.70	6.24	34.39	54.35	74.0	19.65	201	228
11	2227.500	52.30	31.59	6.45	34.47	55.87	74.0	18.13	108	50
12	2427.500	50.20	31.97	6.67	34.59	54.25	74.0	19.75	104	50
13	2970.000	48.20	32.44	7.45	34.91	53.18	74.0	20.82	184	50
14	3118.750	45.90	32.94	7.63	34.76	51.71	74.0	22.29	105	237
15	3712.500	47.00	33.00	8.65	33.94	54.71	74.0	19.29	208	50
16	5738.750	42.30	34.68	11.13	34.96	53.15	74.0	20.85	105	50

Radiated disturbance at (1 ~ 6) GHz _Average measurement data			
Test configuration mode	**1**	**EUT Operation mode**	**1**
Test voltage (V)	**Battery**	**Test Frequency (Hz)**	**-**
Ear-Mic	**Cresyn**	**Data cable**	**-**

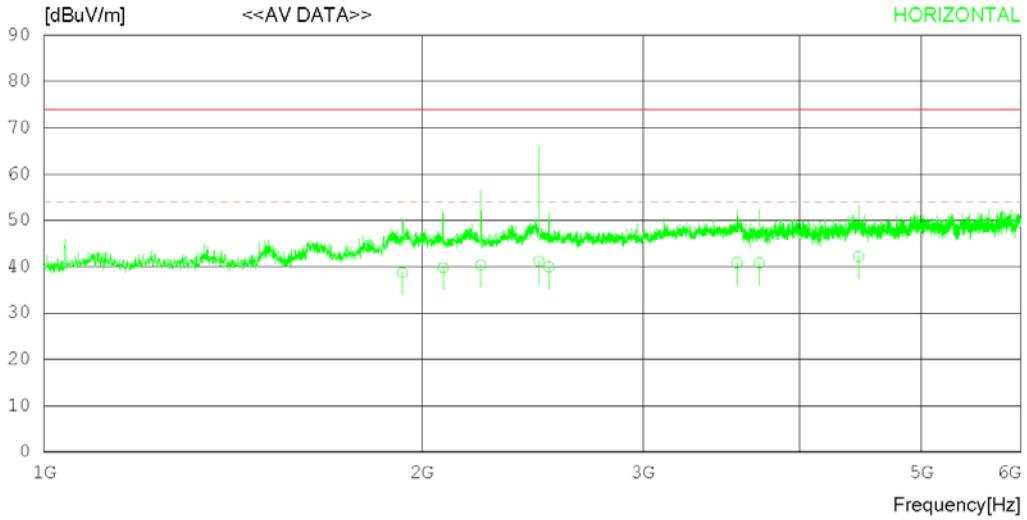
RADIATED EMISSION

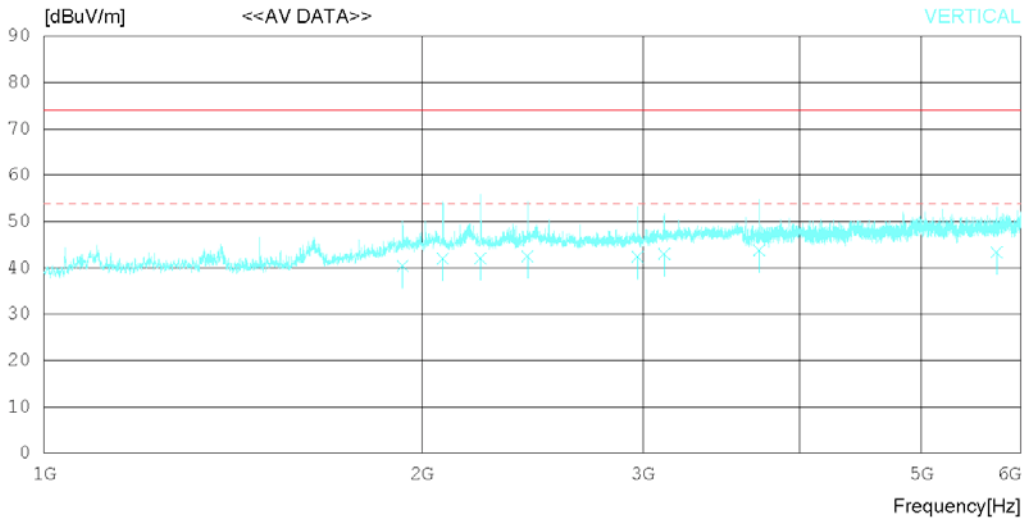
Date 2020-01-14

Order No. DTNC2001-00118
Power Supply Battery
Temp/Humi 20 'C 45 %.R.H.
Test Condition Display Mode

Memo

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





RADIATED EMISSION

Date 2020-01-14

Order No. DTNC2001-00118
Power Supply Battery
Temp/Humi 20 'C 45 %.R.H.
Test Condition Display Mode

Memo

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

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	1930.020	35.90	31.34	5.94	34.44	38.74	54.00	15.26	105	0
2	2078.956	36.20	31.70	6.24	34.39	39.75	54.00	14.25	204	0
3	2227.480	36.80	31.59	6.45	34.47	40.37	54.00	13.63	106	233
4	2478.620	36.90	32.21	6.73	34.62	41.22	54.00	12.78	195	0
5	2524.655	35.40	32.40	6.79	34.65	39.94	54.00	14.06	107	211
6	3564.415	33.70	33.07	8.25	34.15	40.87	54.00	13.13	102	204
7	3712.480	33.10	33.00	8.65	33.94	40.81	54.00	13.19	141	185
8	4455.050	32.60	33.90	9.88	34.14	42.24	54.00	11.76	194	234
----- Vertical ------										
9	1930.625	37.60	31.35	5.94	34.44	40.45	54.00	13.55	208	49
10	2078.750	38.40	31.70	6.24	34.39	41.95	54.00	12.05	204	237
11	2227.584	38.50	31.59	6.45	34.47	42.07	54.00	11.93	105	47
12	2427.500	38.40	31.97	6.67	34.59	42.45	54.00	11.55	108	48
13	2970.000	37.40	32.44	7.45	34.91	42.38	54.00	11.62	177	53
14	3118.750	37.20	32.94	7.63	34.76	43.01	54.00	10.99	106	248
15	3712.500	36.10	33.00	8.65	33.94	43.81	54.00	10.19	204	62
16	5738.750	32.50	34.68	11.13	34.96	43.35	54.00	10.65	109	65

Radiated disturbance at (6 ~ 18) GHz _Peak measurement data			
Test configuration mode	**1**	**EUT Operation mode**	**1**
Test voltage (V)	**Battery**	**Test Frequency (Hz)**	**-**
Ear-Mic	**Cresyn**	**Data cable**	**-**

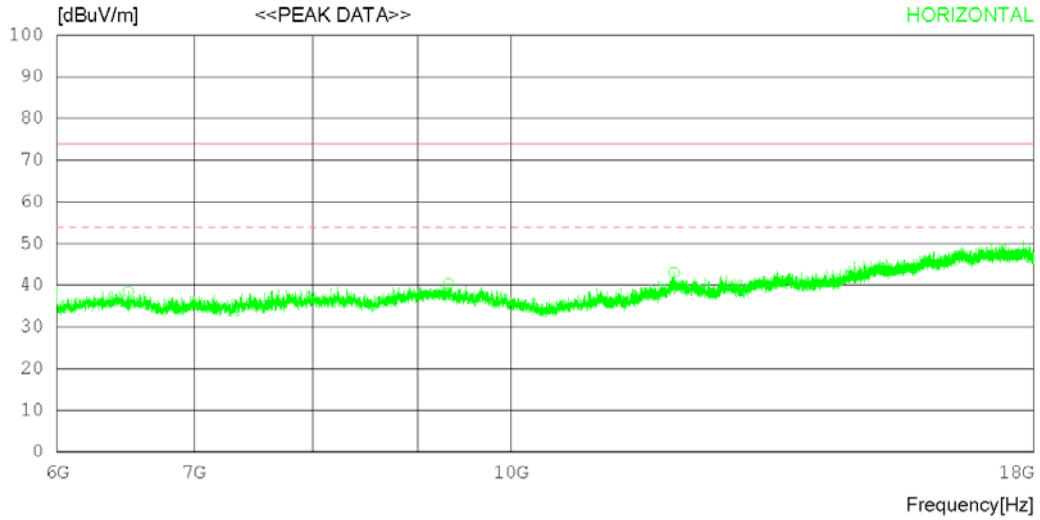
RADIATED EMISSION

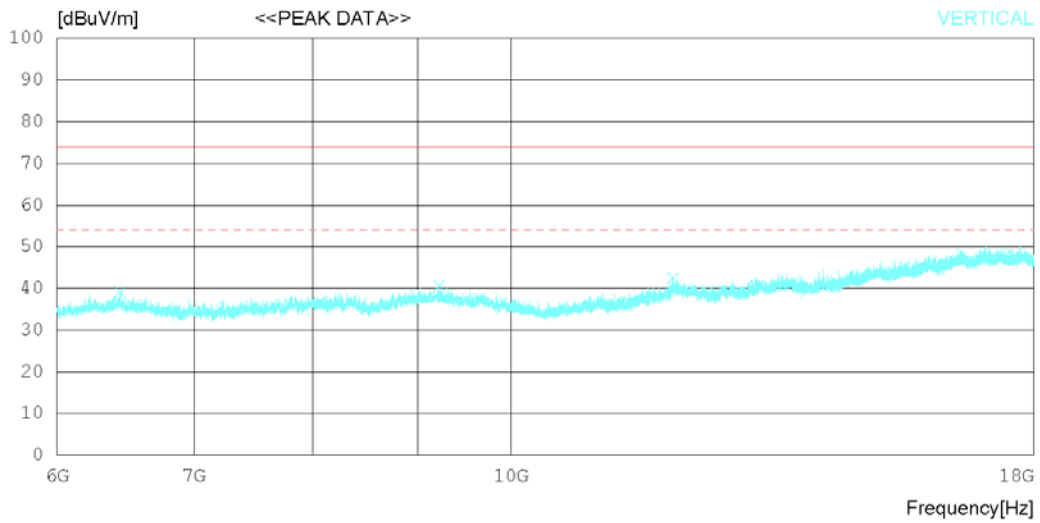
Date 2020-01-17

Order No. DTNC2001-00118
Power Supply Battery
Temp/Humi 21 'C 43 %.R.H.
Test Condition Display Mode

Memo

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





RADIATED EMISSION

Date 2020-01-17

Order No. DTNC2001-00118
Power Supply Battery
Temp/Humi 21 'C 43 %.R.H.
Test Condition Display Mode

Memo

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

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	6501.000	34.60	31.58	11.20	38.80	38.58	74.0	35.42	111	0
2	9318.750	31.90	32.24	14.01	37.76	40.39	74.0	33.61	105	0
3	12008.250	31.60	33.46	15.67	37.71	43.02	74.0	30.98	102	350
----- Vertical ------										
4	6442.500	35.10	31.60	11.19	38.86	39.03	74.0	34.97	116	171
5	9222.000	32.30	32.20	13.79	37.68	40.61	74.0	33.39	114	0
6	11996.250	31.10	33.46	15.68	37.71	42.53	74.0	31.47	107	235

Radiated disturbance at (6 ~ 18) GHz _Average measurement data			
Test configuration mode	**1**	**EUT Operation mode**	**1**
Test voltage (V)	**Battery**	**Test Frequency (Hz)**	**-**
Ear-Mic	**Cresyn**	**Data cable**	**-**

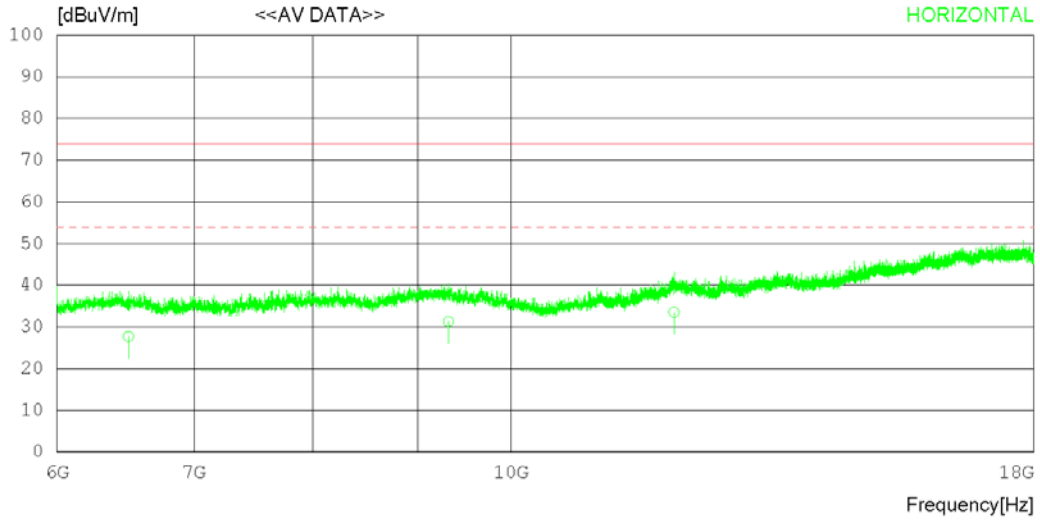
RADIATED EMISSION

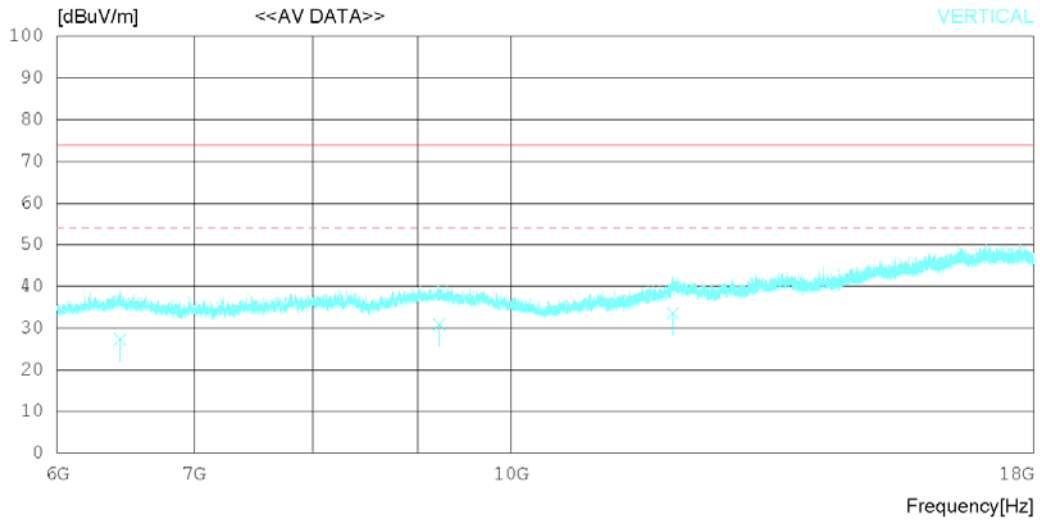
Date 2020-01-17

Order No. DTNC2001-00118
Power Supply Battery
Temp/Humi 21 'C 43 %.R.H.
Test Condition Display Mode

Memo

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





RADIATED EMISSION

Date 2020-01-17

Order No. DTNC2001-00118
Power Supply Battery
Temp/Humi 21 'C 43 %.R.H.
Test Condition Display Mode

Memo

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

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	6501.140	23.70	31.58	11.20	38.80	27.68	54.00	26.32	109	0
2	9318.660	22.80	32.24	14.01	37.75	31.30	54.00	22.70	104	0
3	12008.200	22.10	33.46	15.67	37.71	33.52	54.00	20.48	105	355
----- Vertical ------										
4	6442.432	23.40	31.60	11.19	38.86	27.33	54.00	26.67	112	186
5	9222.080	22.70	32.20	13.79	37.68	31.01	54.00	22.99	109	0
6	11996.170	22.10	33.46	15.68	37.71	33.53	54.00	20.47	104	244

Radiated disturbance at (18 ~ 40) GHz _Peak measurement data			
Test configuration mode	**1**	**EUT Operation mode**	**1**
Test voltage (V)	**Battery**	**Test Frequency (Hz)**	**-**
Ear-Mic	**Cresyn**	**Data cable**	**-**

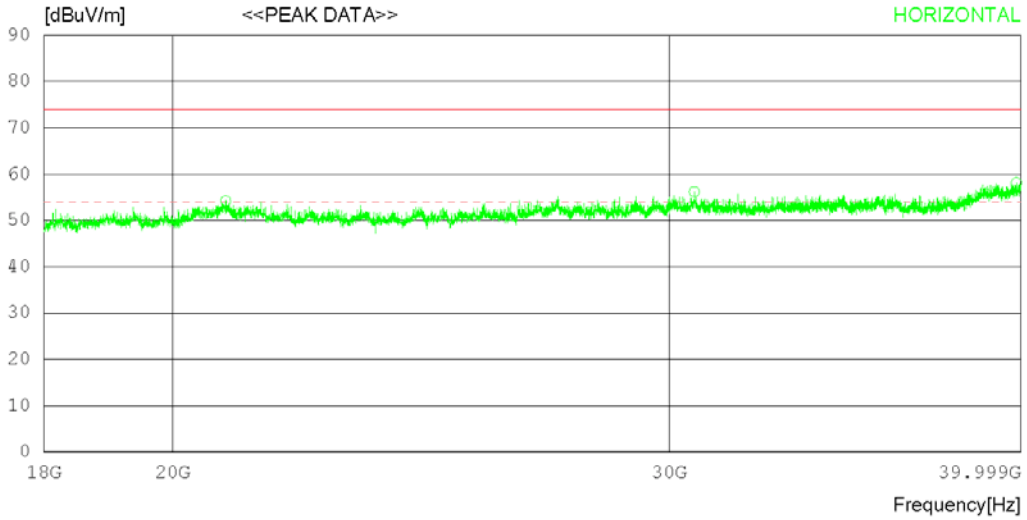
RADIATED EMISSION

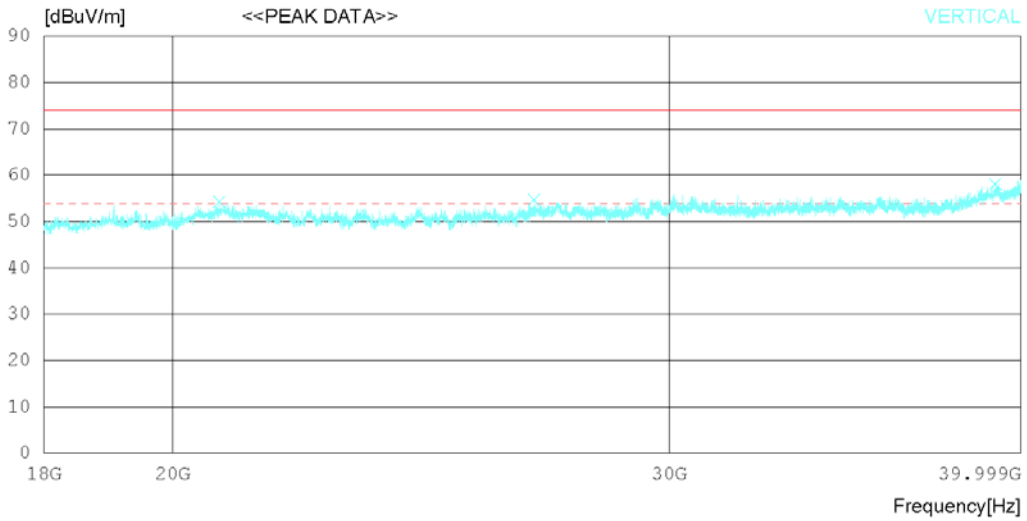
Date 2020-01-18

Order No. DTNC2001-00118
Power Supply Battery
Temp/Humi 22 'C 45 % R.H.
Test Condition Display Mode

Memo

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





RADIATED EMISSION

Date 2020-01-18

Order No. DTNC2001-00118
Power Supply Battery
Temp/Humi 22 'C 45 % R.H.
Test Condition Display Mode

Memo

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

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	20882.000	41.70	45.60	20.29	53.40	54.19	74.0	19.81	114	0
2	30628.000	38.80	47.37	22.24	52.23	56.18	74.0	17.82	111	0
3	39851.500	36.80	49.00	24.53	52.21	58.12	74.0	15.88	107	358
----- Vertical ------										
4	20772.000	42.00	45.57	20.07	53.35	54.29	74.0	19.71	107	357
5	26871.500	40.90	45.90	21.13	53.22	54.71	74.0	19.29	102	352
6	39180.500	37.00	47.86	25.51	52.24	58.13	74.0	15.87	116	311

Radiated disturbance at (18 ~ 40) GHz _Average measurement data			
Test configuration mode	**1**	**EUT Operation mode**	**1**
Test voltage (V)	**Battery**	**Test Frequency (Hz)**	**-**
Ear-Mic	**Cresyn**	**Data cable**	**-**

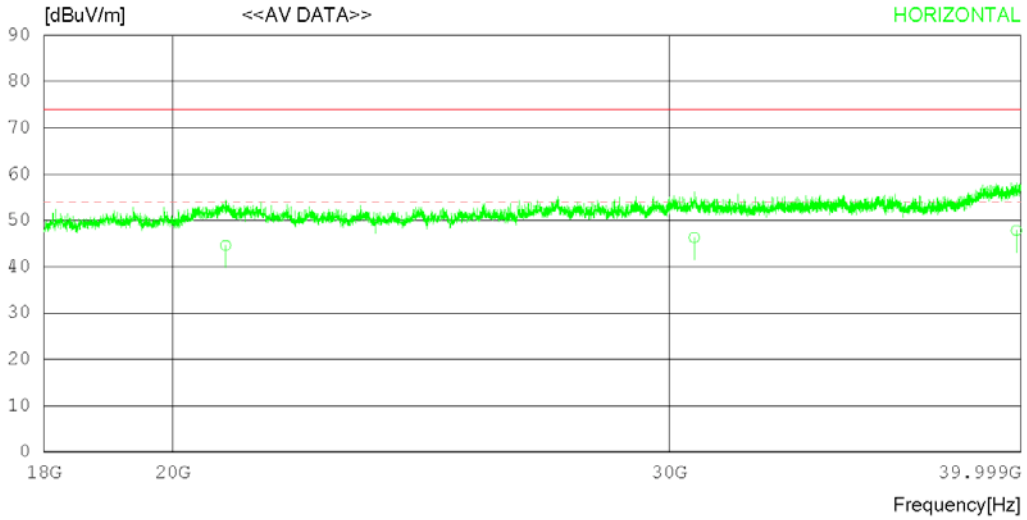
RADIATED EMISSION

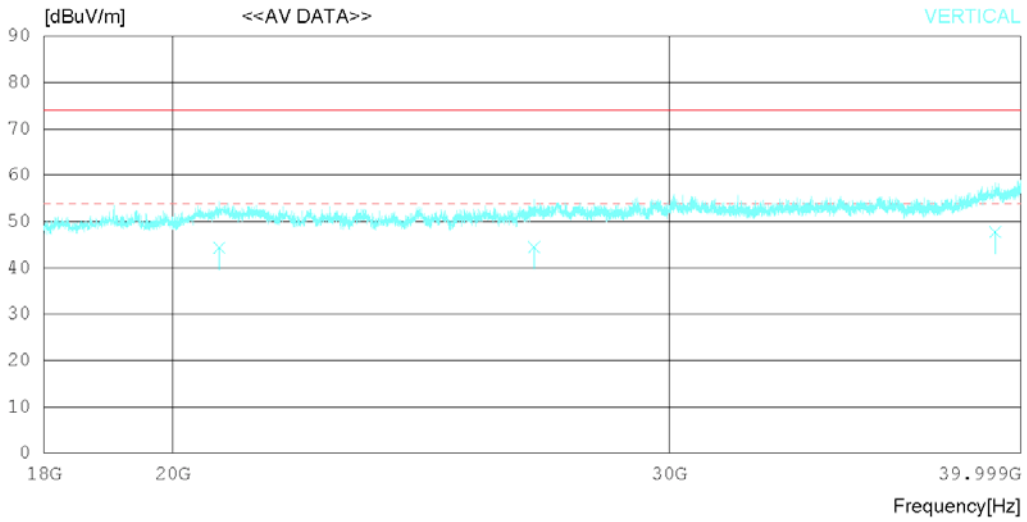
Date 2020-01-18

Order No. DTNC2001-00118
Power Supply Battery
Temp/Humi 22 'C 45 % R.H.
Test Condition Display Mode

Memo

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





RADIATED EMISSION

Date 2020-01-18

Order No.	DTNC2001-00118
Power Supply	Battery
Temp/Humi	22 'C 45 % R.H.
Test Condition	Display Mode

Memo

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

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	20882.11032.10	45.60	20.29	53.40	44.59	54.00	9.41	112	0	
2	30628.13028.90	47.37	22.24	52.23	46.28	54.00	7.72	109	0	
3	39851.43026.50	49.00	24.53	52.21	47.82	54.00	6.18	105	351	
----- Vertical ------										
4	20772.11032.10	45.57	20.07	53.35	44.39	54.00	9.61	103	351	
5	26871.25030.70	45.90	21.13	53.22	44.51	54.00	9.49	105	356	
6	39180.39026.60	47.86	25.51	52.24	47.73	54.00	6.27	114	307	

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

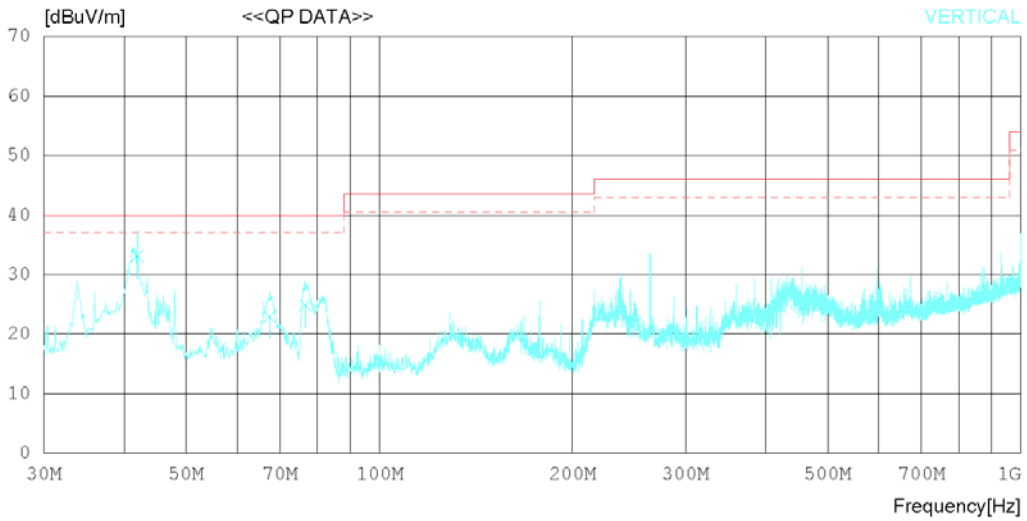
RADIATED EMISSION

Date 2020-02-12

Order No. DTNC2001-00118
Power Supply 120 VAC 60 Hz
Temp/Humi 23 'C 48 %.R.H.
Test Condition PC Link

Memo

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



RADIATED EMISSION

Date 2020-02-12

Order No. DTNC2001-00118
Power Supply 120 VAC 60 Hz
Temp/Humi 23 'C 48 %.R.H.
Test Condition PC Link

Memo

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	33.759	35.10	15.65	1.13	25.82	26.06	40.00	13.94	396	0
2	64.678	34.20	17.50	1.32	25.77	27.25	40.00	12.75	304	323
3	235.271	33.50	17.77	2.06	25.70	27.63	46.00	18.37	306	341
----- Vertical ------										
4	41.883	40.20	17.48	1.22	25.81	33.09	40.00	6.91	105	0
5	67.466	30.40	16.96	1.33	25.77	22.92	40.00	17.08	101	0
6	76.560	33.70	15.49	1.44	25.75	24.88	40.00	15.12	207	315

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**
Ear-Mic	**Cresyn**	**Data cable**	**Ningbo**

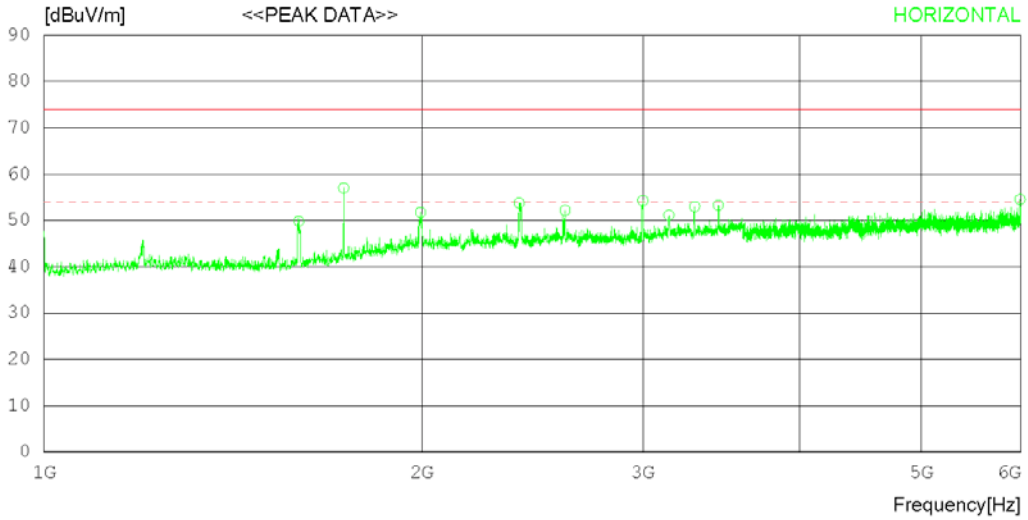
RADIATED EMISSION

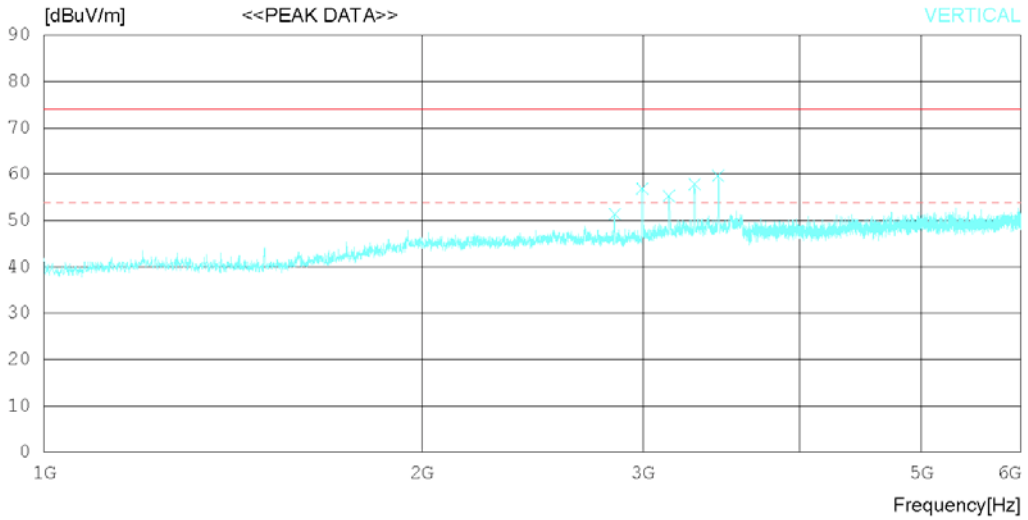
Date 2020-02-12

Order No. DTNC2001-00118
Power Supply 120 VAC 60 Hz
Temp/Humi 23 'C 48 %.R.H.
Test Condition PC Link

Memo

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





RADIATED EMISSION

Date 2020-02-12

Order No. DTNC2001-00118
Power Supply 120 VAC 60 Hz
Temp/Humi 23 'C 48 %.R.H.
Test Condition PC Link

Memo

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

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	1595.625	51.10	28.37	5.27	34.91	49.83	74.0	24.17	206	358
2	1732.500	56.80	29.39	5.51	34.72	56.98	74.0	17.02	214	358
3	1994.375	48.40	31.59	6.10	34.35	51.74	74.0	22.26	197	0
4	2390.625	49.90	31.78	6.64	34.57	53.75	74.0	20.25	186	0
5	2600.625	47.40	32.60	6.87	34.69	52.18	74.0	21.82	208	5
6	2999.375	49.20	32.50	7.51	34.93	54.28	74.0	19.72	108	358
7	3145.625	45.20	32.99	7.66	34.73	51.12	74.0	22.88	112	358
8	3299.375	46.70	32.90	7.89	34.51	52.98	74.0	21.02	214	207
9	3444.375	46.70	32.80	8.11	34.31	53.30	74.0	20.7	109	185
10	5991.875	43.10	35.10	11.31	35.00	54.51	74.0	19.49	206	166
----- Vertical ------										
11	2849.375	46.70	32.30	7.20	34.84	51.36	74.0	22.64	193	155
12	2998.125	51.80	32.50	7.51	34.93	56.88	74.0	17.12	197	142
13	3145.625	49.30	32.99	7.66	34.73	55.22	74.0	18.78	214	164
14	3298.125	51.60	32.90	7.89	34.52	57.87	74.0	16.13	216	164
15	3443.750	53.10	32.80	8.11	34.31	59.70	74.0	14.3	205	151

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**
Ear-Mic	**Cresyn**	**Data cable**	**Ningbo**

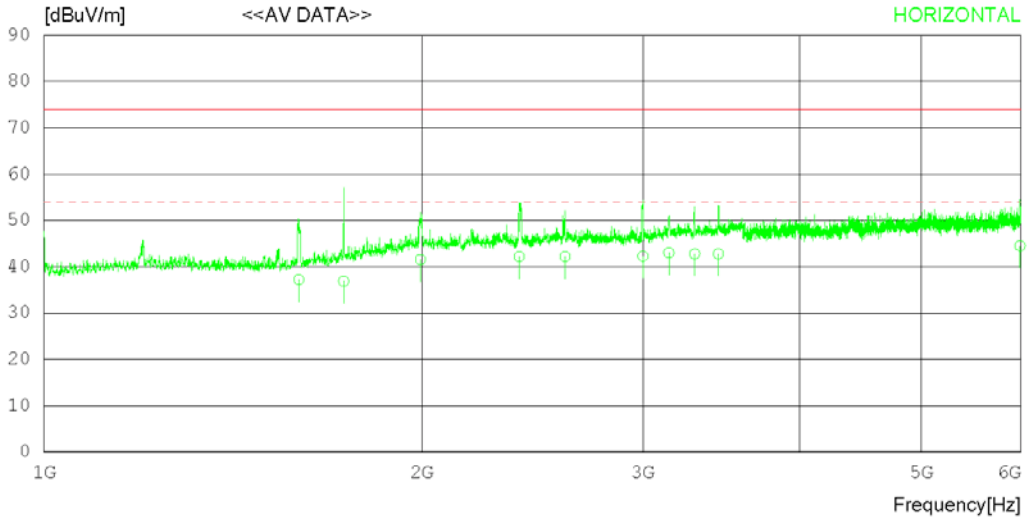
RADIATED EMISSION

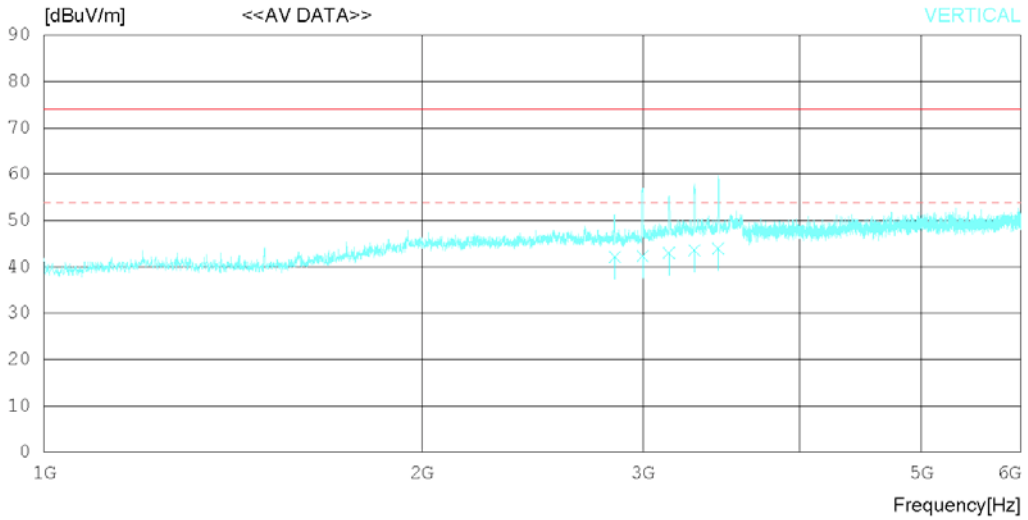
Date 2020-02-12

Order No. DTNC2001-00118
Power Supply 120 VAC 60 Hz
Temp/Humi 23 'C 48 %.R.H.
Test Condition PC Link

Memo

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





RADIATED EMISSION

Date 2020-02-12

Order No. DTNC2001-00118
Power Supply 120 VAC 60 Hz
Temp/Humi 23 'C 48 %.R.H.
Test Condition PC Link

Memo

LIMIT : FCC Part15 Subpart.B Class B (3m) - GHz(Peak)
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	1595.514	38.50	28.37	5.27	34.91	37.23	54.00	16.77	204	341
2	1732.480	36.70	29.39	5.51	34.72	36.88	54.00	17.12	211	345
3	1994.432	38.20	31.59	6.10	34.35	41.54	54.00	12.46	196	0
4	2390.539	38.30	31.78	6.64	34.57	42.15	54.00	11.85	186	0
5	2600.511	37.40	32.60	6.87	34.69	42.18	54.00	11.82	207	0
6	2999.432	37.20	32.50	7.51	34.93	42.28	54.00	11.72	108	351
7	3145.575	37.10	32.99	7.66	34.73	43.02	54.00	10.98	112	352
8	3299.575	36.50	32.90	7.89	34.51	42.78	54.00	11.22	214	211
9	3444.363	36.20	32.80	8.11	34.31	42.80	54.00	11.20	109	196
10	5991.962	33.10	35.10	11.31	35.00	44.51	54.00	9.49	205	177
----- Vertical ------										
11	2849.462	37.50	32.30	7.20	34.84	42.16	54.00	11.84	192	163
12	2998.325	37.20	32.50	7.51	34.93	42.28	54.00	11.72	196	155
13	3145.522	37.10	32.99	7.66	34.73	43.02	54.00	10.98	213	175
14	3298.296	37.30	32.90	7.89	34.52	43.57	54.00	10.43	216	177
15	3443.854	37.40	32.80	8.11	34.31	44.00	54.00	10.00	204	142

Radiated disturbance at (6 ~ 18) GHz _Peak measurement data			
Test configuration mode	**2**	**EUT Operation mode**	**2**
Test voltage (V)	**120**	**Test Frequency (Hz)**	**60**
Ear-Mic	**Cresyn**	**Data cable**	**Ningbo**

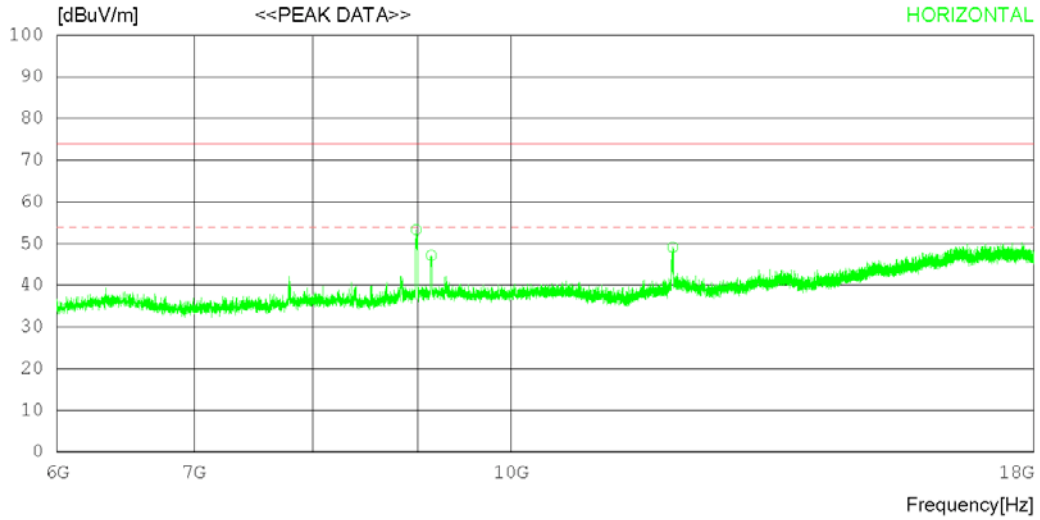
RADIATED EMISSION

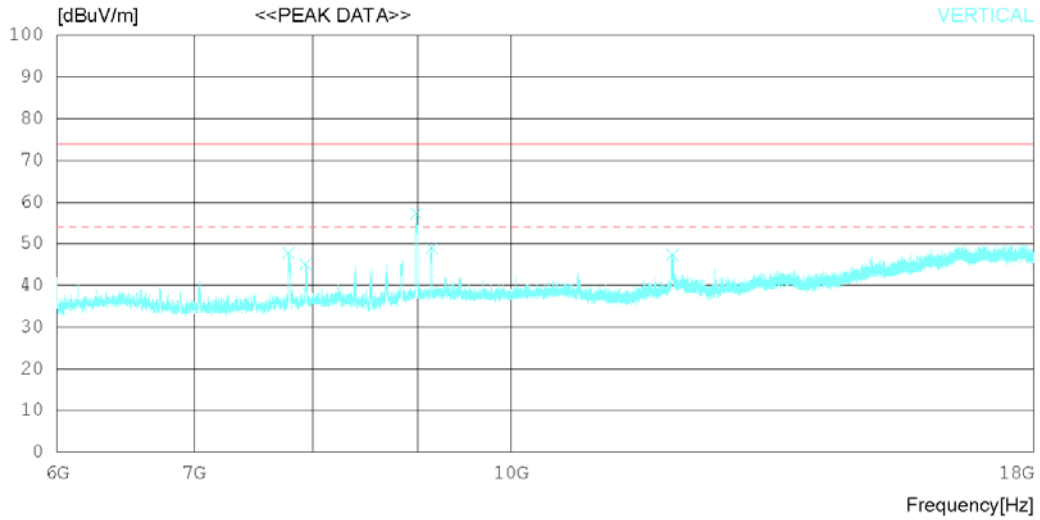
Date 2020-02-12

Order No. DTNC2001-00118
Power Supply 120 VAC 60 Hz
Temp/Humi 23 'C 48 %.R.H.
Test Condition PC Link

Memo

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





RADIATED EMISSION

Date 2020-02-12

Order No.	DTNC2001-00118
Power Supply	120 VAC 60 Hz
Temp/Humi	23 'C 48 %.R.H.
Test Condition	PC Link

Memo

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

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	8987.250	45.30	32.09	13.40	37.49	53.30	74.0	20.7	208	232
2	9140.250	39.00	32.16	13.64	37.61	47.19	74.0	26.81	202	160
3	11991.000	37.70	33.45	15.66	37.71	49.10	74.0	24.9	205	358
----- Vertical ------										
4	7784.250	41.70	31.33	12.57	37.81	47.79	74.0	26.21	102	358
5	7936.500	39.00	31.31	12.36	37.60	45.07	74.0	28.93	104	358
6	8987.250	49.20	32.09	13.40	37.49	57.20	74.0	16.8	197	160
7	9144.000	40.80	32.16	13.65	37.62	48.99	74.0	25.01	206	160
8	11990.250	36.00	33.45	15.66	37.71	47.40	74.0	26.6	106	358

Radiated disturbance at (6 ~ 18) GHz _Average measurement data			
Test configuration mode	**2**	**EUT Operation mode**	**2**
Test voltage (V)	**120**	**Test Frequency (Hz)**	**60**
Ear-Mic	**Cresyn**	**Data cable**	**Ningbo**

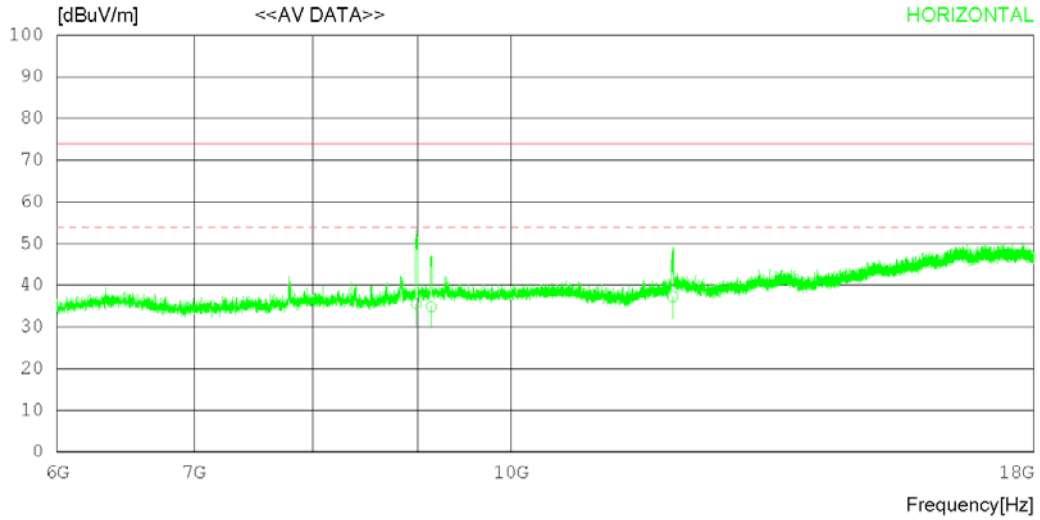
RADIATED EMISSION

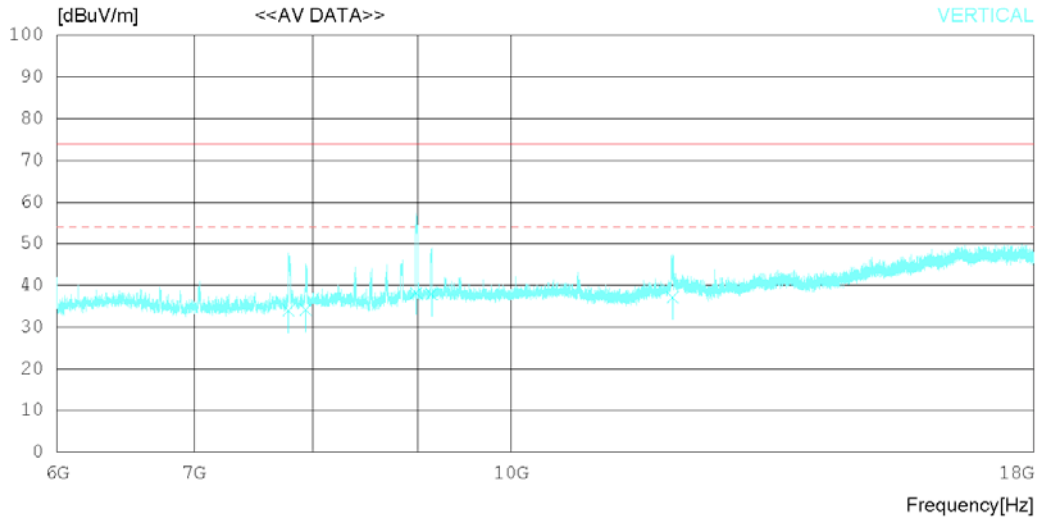
Date 2020-02-12

Order No. DTNC2001-00118
Power Supply 120 VAC 60 Hz
Temp/Humi 23 'C 48 %.R.H.
Test Condition PC Link

Memo

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





RADIATED EMISSION

Date 2020-02-12

Order No.	DTNC2001-00118
Power Supply	120 VAC 60 Hz
Temp/Humi	23 'C 48 %.R.H.
Test Condition	PC Link

Memo

LIMIT : FCC Part15 Subpart.B Class B (3m) - GHz(Peak)
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	8987.380	27.60	32.09	13.40	37.49	35.60	54.00	18.40	209	247
2	9140.170	26.70	32.16	13.64	37.61	34.89	54.00	19.11	201	166
3	11991.050	25.90	33.45	15.66	37.71	37.30	54.00	16.70	205	352
----- Vertical ------										
4	7784.178	27.80	31.33	12.57	37.81	33.89	54.00	20.11	102	356
5	7936.452	28.10	31.31	12.36	37.60	34.17	54.00	19.83	104	352
6	8987.380	30.20	32.09	13.40	37.49	38.20	54.00	15.80	196	164
7	9144.050	29.70	32.16	13.65	37.62	37.89	54.00	16.11	204	366
8	11990.240	25.70	33.45	15.66	37.71	37.10	54.00	16.90	105	357

Radiated disturbance at (18 ~ 40) GHz _Peak measurement data			
Test configuration mode	**2**	**EUT Operation mode**	**2**
Test voltage (V)	**120**	**Test Frequency (Hz)**	**60**
Ear-Mic	**Cresyn**	**Data cable**	**Ningbo**

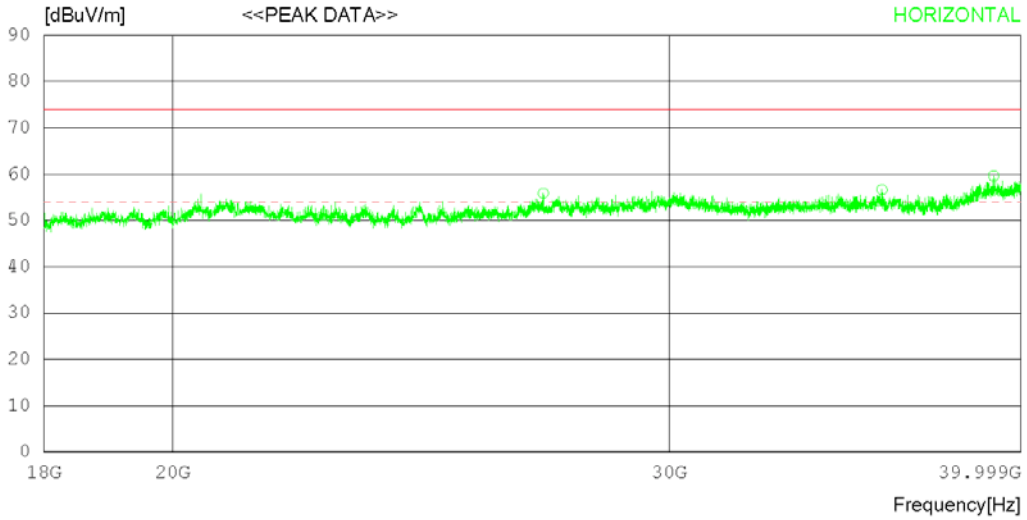
RADIATED EMISSION

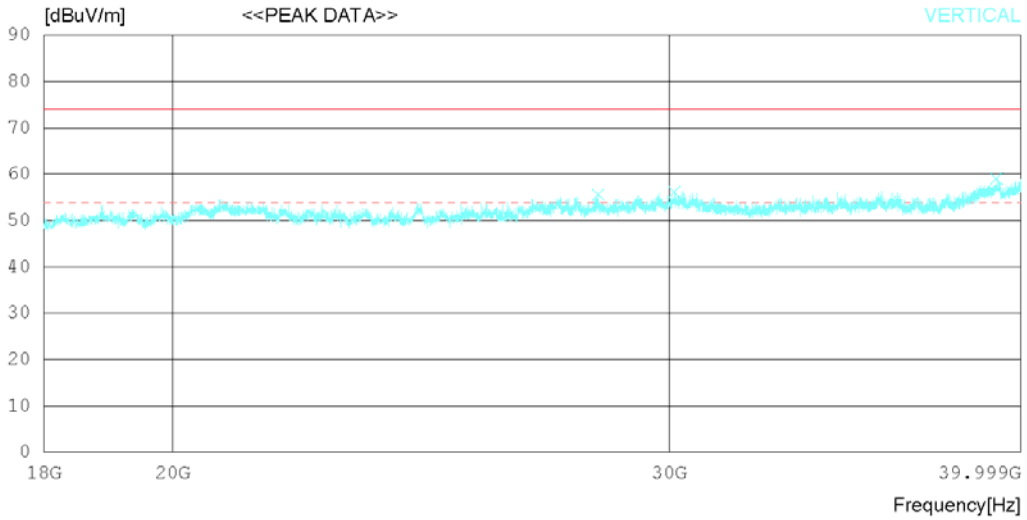
Date 2020-02-12

Order No. DTNC2001-00118
Power Supply 120 VAC 60 Hz
Temp/Humi 23 'C 48 % R.H.
Test Condition PC Link

Memo

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





RADIATED EMISSION

Date 2020-02-12

Order No. DTNC2001-00118
Power Supply 120 VAC 60 Hz
Temp/Humi 23 'C 48 % R.H.
Test Condition PC Link

Memo

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

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	27069.500	42.00	45.90	21.13	53.15	55.88	74.0	18.12	116	358
2	35707.250	39.50	46.90	24.07	53.83	56.64	74.0	17.36	108	358
3	39120.000	38.50	47.74	25.60	52.24	59.60	74.0	14.4	105	14
----- Vertical ------										
4	28315.250	40.50	46.42	21.45	52.75	55.62	74.0	18.38	107	0
5	30133.000	38.90	47.50	21.95	52.21	56.14	74.0	17.86	109	0
6	39213.500	37.90	47.91	25.46	52.24	59.03	74.0	14.97	104	0

Radiated disturbance at (18 ~ 40) GHz _Average measurement data			
Test configuration mode	**2**	**EUT Operation mode**	**2**
Test voltage (V)	**120**	**Test Frequency (Hz)**	**60**
Ear-Mic	**Cresyn**	**Data cable**	**Ningbo**

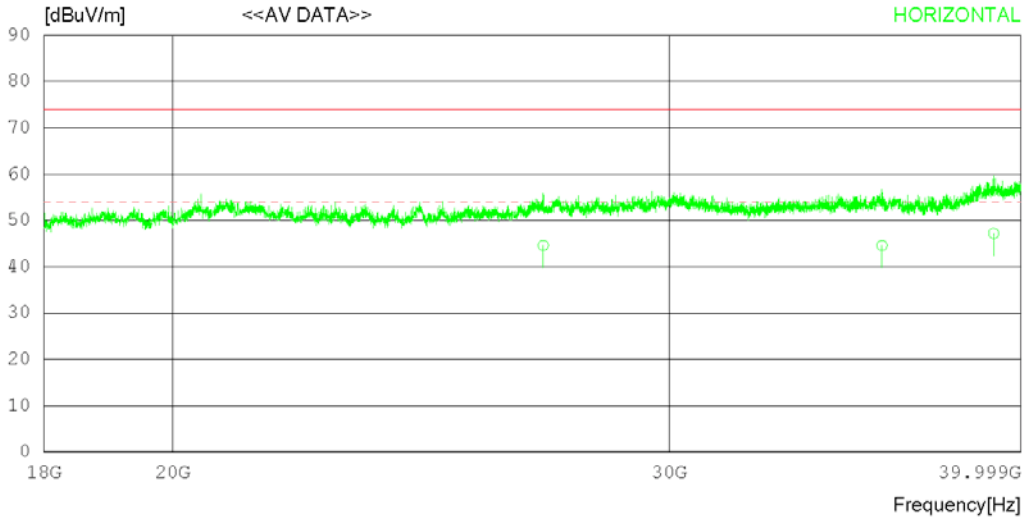
RADIATED EMISSION

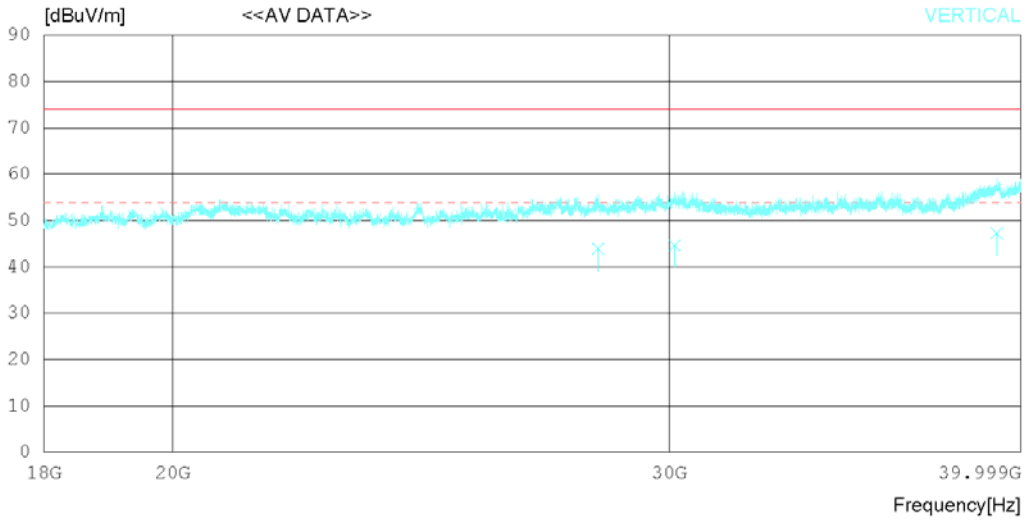
Date 2020-02-12

Order No. DTNC2001-00118
Power Supply 120 VAC 60 Hz
Temp/Humi 23 'C 48 % R.H.
Test Condition PC Link

Memo

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





RADIATED EMISSION

Date 2020-02-12

Order No. DTNC2001-00118
Power Supply 120 VAC 60 Hz
Temp/Humi 23 'C 48 % R.H.
Test Condition PC Link

Memo

LIMIT : FCC Part15 Subpart.B Class B (3m) - GHz(Peak)
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	27069.470	30.70	45.90	21.13	53.15	44.58	54.00	9.42	115	352
2	35707.210	27.40	46.90	24.07	53.83	44.54	54.00	9.46	109	351
3	39120.180	26.10	47.74	25.60	52.24	47.20	54.00	6.80	105	0
----- Vertical ------										
4	28315.180	28.80	46.42	21.44	52.75	43.91	54.00	10.09	106	0
5	30133.210	27.40	47.50	21.95	52.21	44.64	54.00	9.36	107	0
6	39213.420	26.10	47.91	25.46	52.24	47.23	54.00	6.77	105	7

Radiated disturbance at (30 ~ 1000) MHz _Measurement data			
Test configuration mode	**3**	**EUT Operation mode**	**3**
Test voltage (V)	**120**	**Test Frequency (Hz)**	**60**
Ear-Mic	**Cresyn**	**Data cable**	**Ningbo**

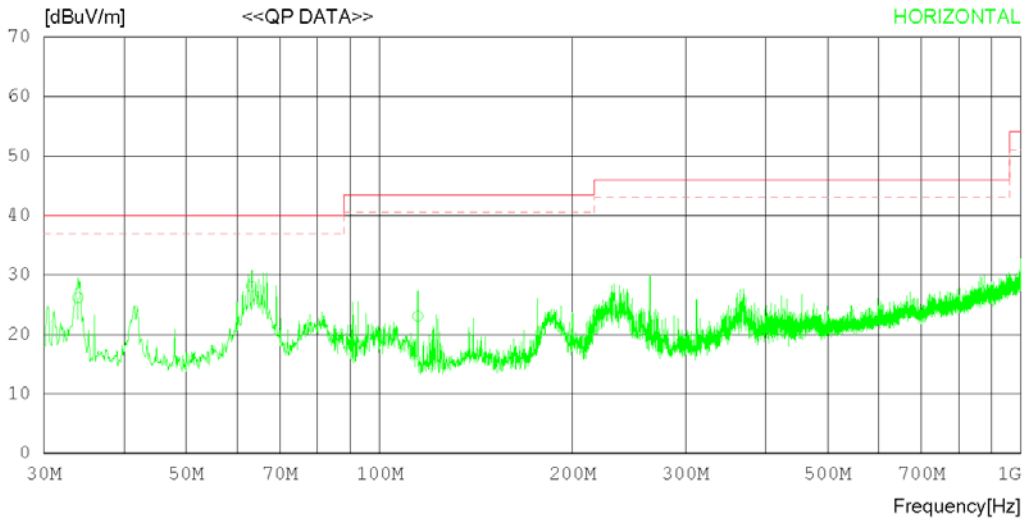
RADIATED EMISSION

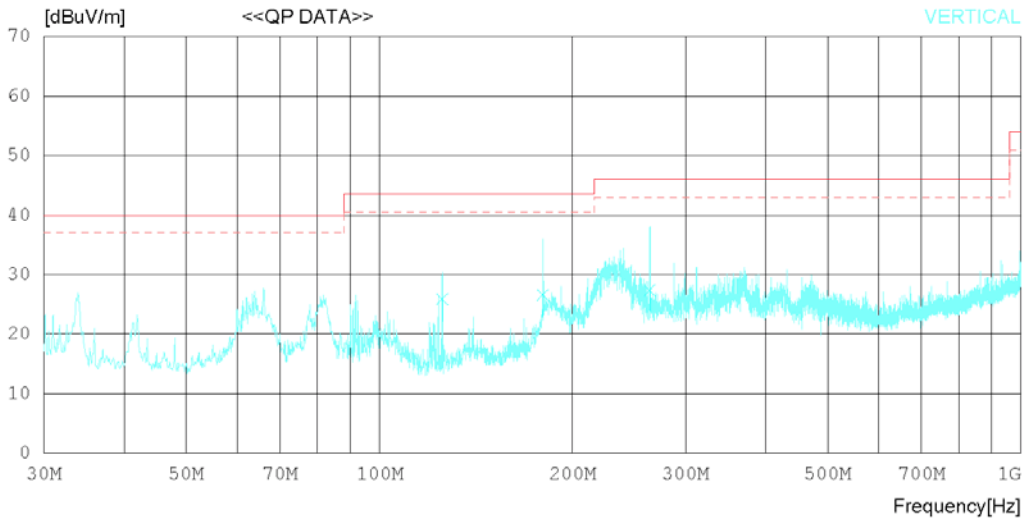
Date 2020-02-12

Order No. DTNC2001-00118
Power Supply 120 VAC 60 Hz
Temp/Humi 23 'C 48 %.R.H.
Test Condition PC Link + Dual Screen

Memo

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





RADIATED EMISSION

Date 2020-02-12

Order No. DTNC2001-00118
Power Supply 120 VAC 60 Hz
Temp/Humi 23 'C 48 %.R.H.
Test Condition PC Link + Dual Screen

Memo

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	33.880	35.20	15.68	1.13	25.82	26.19	40.00	13.81	302	351
2	63.223	34.70	17.78	1.32	25.77	28.03	40.00	11.97	304	356
3	114.752	30.50	16.64	1.63	25.69	23.08	43.50	20.42	395	55
----- Vertical ------										
4	125.301	32.40	17.48	1.67	25.68	25.87	43.50	17.63	109	354
5	179.983	33.40	17.00	1.84	25.63	26.61	43.50	16.89	108	352
6	264.007	32.70	18.34	2.14	25.77	27.41	46.00	18.59	101	0

Radiated disturbance at (1 ~ 6) GHz _Peak measurement data			
Test configuration mode	**3**	**EUT Operation mode**	**3**
Test voltage (V)	**120**	**Test Frequency (Hz)**	**60**
Ear-Mic	**Cresyn**	**Data cable**	**Ningbo**

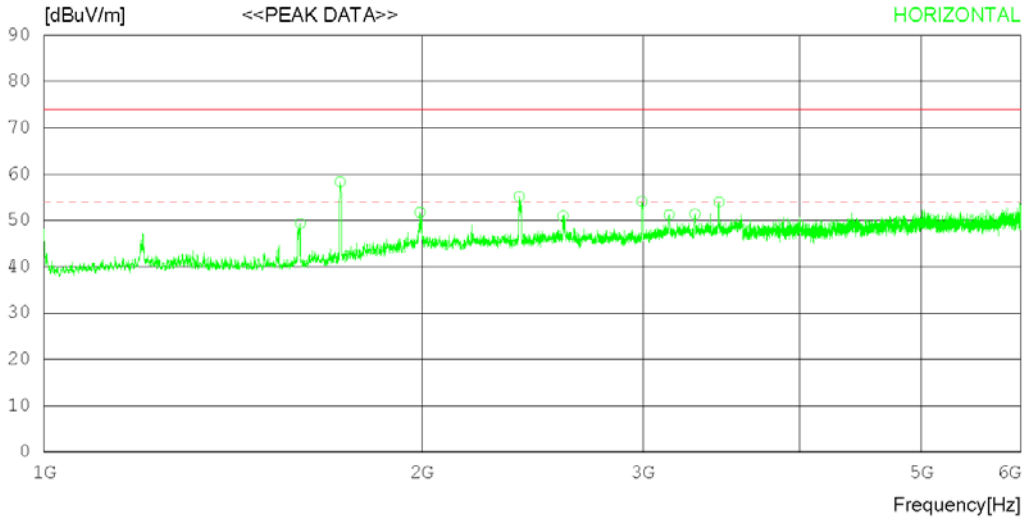
RADIATED EMISSION

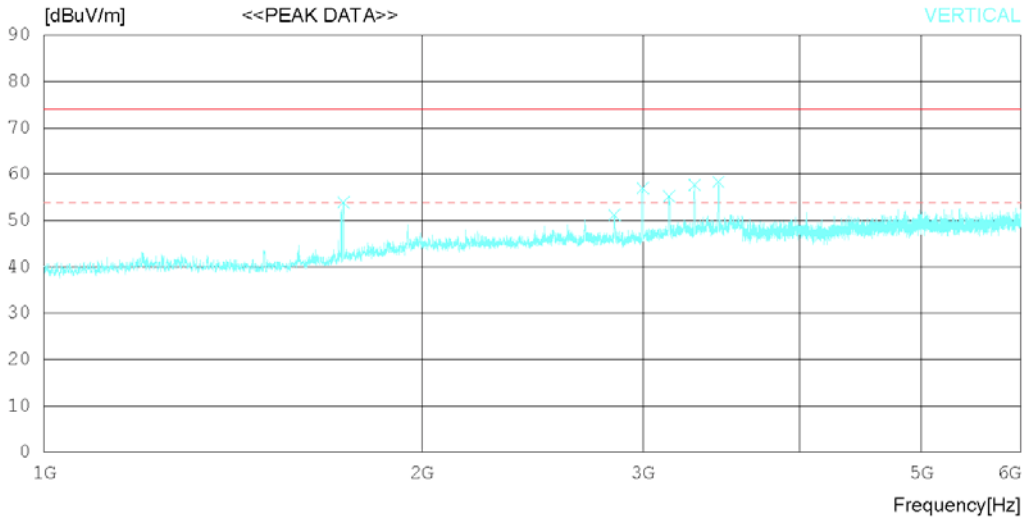
Date 2020-02-12

Order No. DTNC2001-00118
Power Supply 120 VAC 60 Hz
Temp/Humi 23 'C 48 %.R.H.
Test Condition PC Link + Dual Screen

Memo

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





RADIATED EMISSION

Date 2020-02-12

Order No. DTNC2001-00118
Power Supply 120 VAC 60 Hz
Temp/Humi 23 'C 48 %.R.H.
Test Condition PC Link + Dual Screen

Memo

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

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	1600.000	50.60	28.40	5.27	34.90	49.37	74.0	24.63	209	352
2	1721.875	58.30	29.26	5.49	34.73	58.32	74.0	15.68	208	8
3	1993.125	48.40	31.59	6.10	34.35	51.74	74.0	22.26	115	0
4	2390.625	51.30	31.78	6.64	34.57	55.15	74.0	18.85	207	352
5	2590.625	46.20	32.58	6.86	34.69	50.95	74.0	23.05	216	6
6	2993.750	49.00	32.49	7.50	34.93	54.06	74.0	19.94	236	352
7	3146.875	45.30	32.99	7.66	34.73	51.22	74.0	22.78	208	0
8	3300.000	45.10	32.90	7.89	34.51	51.38	74.0	22.62	106	177
9	3448.750	47.30	32.80	8.13	34.31	53.92	74.0	20.08	196	0
----- Vertical ------										
10	1732.500	53.80	29.39	5.51	34.72	53.98	74.0	20.02	207	64
11	2846.875	46.60	32.30	7.20	34.84	51.26	74.0	22.74	199	163
12	2999.375	51.90	32.50	7.51	34.93	56.98	74.0	17.02	197	64
13	3146.875	49.30	32.99	7.66	34.73	55.22	74.0	18.78	212	163
14	3298.750	51.40	32.90	7.89	34.51	57.68	74.0	16.32	206	64
15	3445.625	51.70	32.80	8.12	34.31	58.31	74.0	15.69	111	64

Radiated disturbance at (1 ~ 6) GHz _Average measurement data			
Test configuration mode	**3**	**EUT Operation mode**	**3**
Test voltage (V)	**120**	**Test Frequency (Hz)**	**60**
Ear-Mic	**Cresyn**	**Data cable**	**Ningbo**

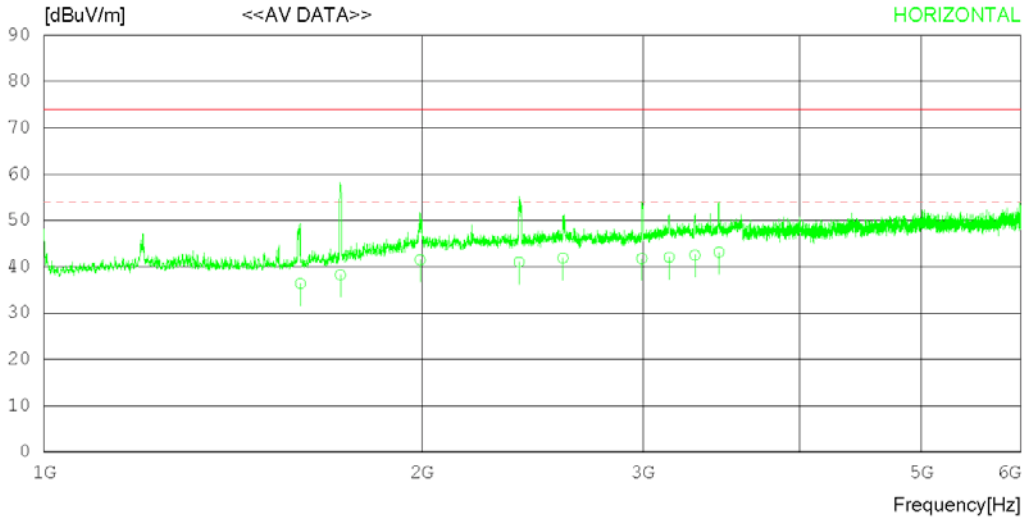
RADIATED EMISSION

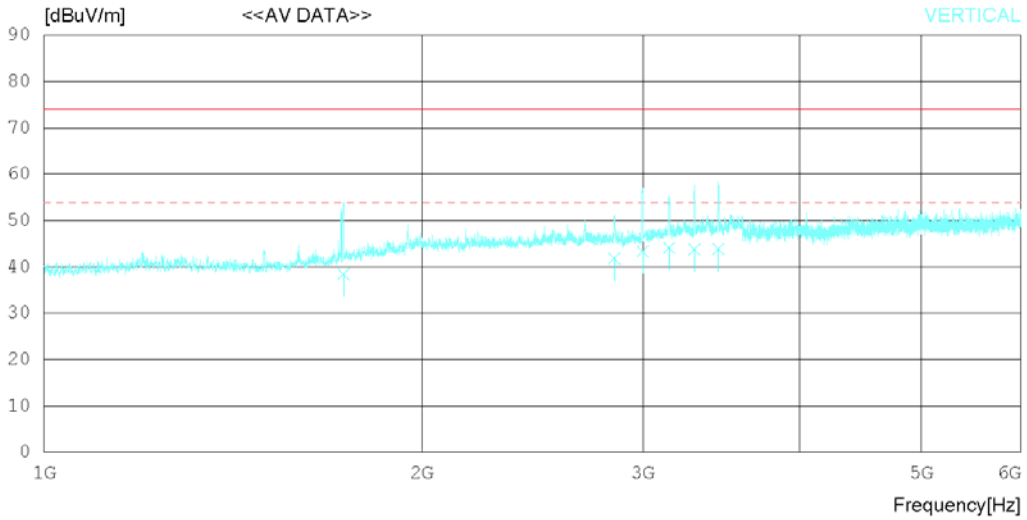
Date 2020-02-12

Order No. DTNC2001-00118
Power Supply 120 VAC 60 Hz
Temp/Humi 23 'C 48 %.R.H.
Test Condition PC Link + Dual Screen

Memo

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





RADIATED EMISSION

Date 2020-02-12

Order No. DTNC2001-00118
Power Supply 120 VAC 60 Hz
Temp/Humi 23 'C 48 %.R.H.
Test Condition PC Link + Dual Screen

Memo

LIMIT : FCC Part15 Subpart.B Class B (3m) - GHz(Peak)
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	1600.010	37.60	28.40	5.27	34.90	36.37	54.00	17.63	208	366
2	1721.936	38.20	29.26	5.49	34.73	38.22	54.00	15.78	207	0
3	1993.385	38.10	31.59	6.10	34.35	41.44	54.00	12.56	115	0
4	2390.563	37.20	31.78	6.64	34.57	41.05	54.00	12.95	206	355
5	2590.422	37.10	32.58	6.86	34.69	41.85	54.00	12.15	215	0
6	2993.693	36.70	32.49	7.50	34.93	41.76	54.00	12.24	235	341
7	3146.752	36.10	32.99	7.66	34.73	42.02	54.00	11.98	207	0
8	3300.020	36.20	32.90	7.89	34.51	42.48	54.00	11.52	105	186
9	3448.650	36.50	32.80	8.13	34.31	43.12	54.00	10.88	196	0
----- Vertical ------										
10	1732.470	38.20	29.39	5.51	34.72	38.38	54.00	15.62	205	77
11	2846.752	37.20	32.30	7.20	34.84	41.86	54.00	12.14	198	175
12	2999.462	38.30	32.50	7.51	34.93	43.38	54.00	10.62	196	61
13	3146.965	38.20	32.99	7.66	34.73	44.12	54.00	9.88	211	172
14	3298.688	37.50	32.90	7.89	34.51	43.78	54.00	10.22	204	62
15	3445.625	37.20	32.80	8.12	34.31	43.81	54.00	10.19	109	58

Radiated disturbance at (6 ~ 18) GHz _Peak measurement data			
Test configuration mode	**3**	**EUT Operation mode**	**3**
Test voltage (V)	**120**	**Test Frequency (Hz)**	**60**
Ear-Mic	**Cresyn**	**Data cable**	**Ningbo**

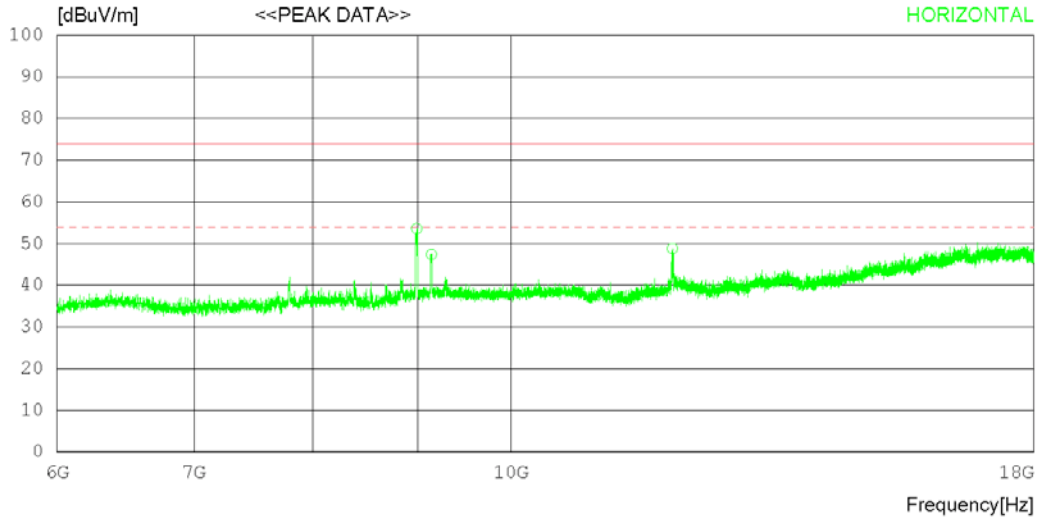
RADIATED EMISSION

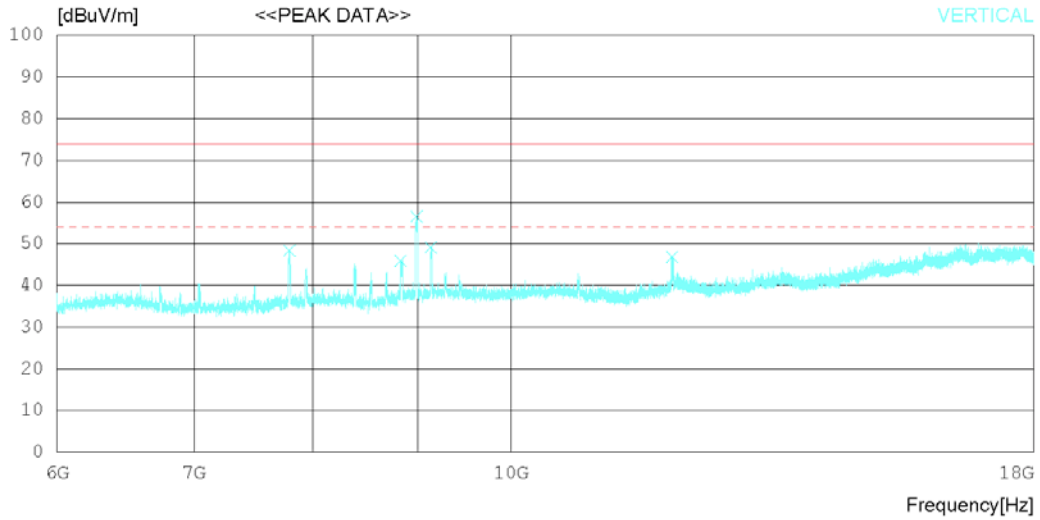
Date 2020-02-12

Order No. DTNC2001-00118
Power Supply 120 VAC 60 Hz
Temp/Humi 23 'C 48 %.R.H.
Test Condition PC Link + Dual Screen

Memo

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





RADIATED EMISSION

Date 2020-02-12

Order No. DTNC2001-00118
Power Supply 120 VAC 60 Hz
Temp/Humi 23 'C 48 %.R.H.
Test Condition PC Link + Dual Screen

Memo

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

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	8991.000	45.60	32.09	13.39	37.49	53.59	74.0	20.41	196	0
2	9141.750	39.20	32.16	13.64	37.61	47.39	74.0	26.61	202	203
3	11987.250	37.40	33.45	15.66	37.72	48.79	74.0	25.21	206	221
----- Vertical ------										
4	7791.750	42.20	31.33	12.60	37.80	48.33	74.0	25.67	202	177
5	8830.500	37.90	31.96	13.37	37.40	45.83	74.0	28.17	208	158
6	8992.500	48.50	32.09	13.40	37.50	56.49	74.0	17.51	206	195
7	9135.750	40.90	32.16	13.63	37.61	49.08	74.0	24.92	196	0
8	11984.250	35.50	33.44	15.64	37.72	46.86	74.0	27.14	108	195

Radiated disturbance at (6 ~ 18) GHz _Average measurement data			
Test configuration mode	**3**	**EUT Operation mode**	**3**
Test voltage (V)	**120**	**Test Frequency (Hz)**	**60**
Ear-Mic	**Cresyn**	**Data cable**	**Ningbo**

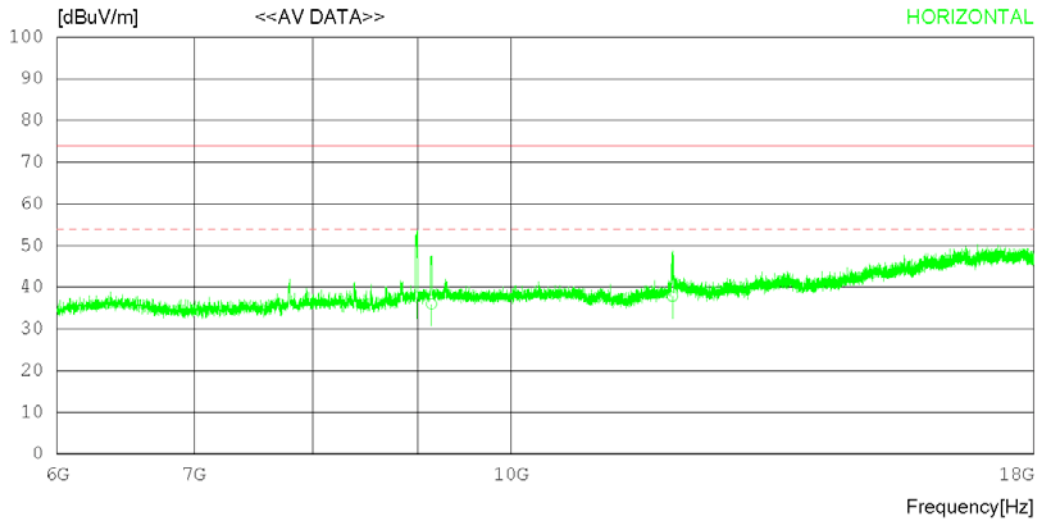
RADIATED EMISSION

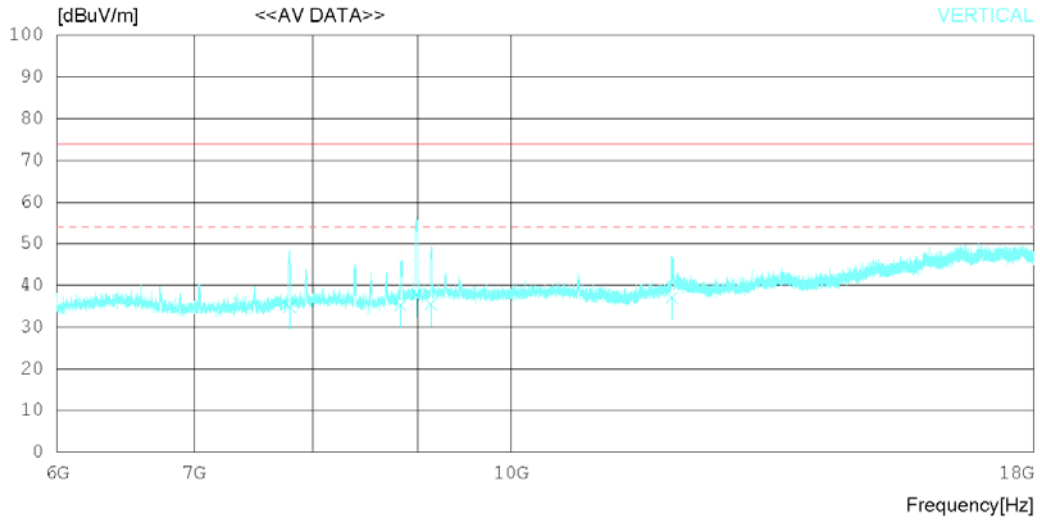
Date 2020-02-12

Order No. DTNC2001-00118
Power Supply 120 VAC 60 Hz
Temp/Humi 23 'C 48 %.R.H.
Test Condition PC Link + Dual Screen

Memo

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





RADIATED EMISSION

Date 2020-02-12

Order No. DTNC2001-00118
Power Supply 120 VAC 60 Hz
Temp/Humi 23 'C 48 %.R.H.
Test Condition PC Link + Dual Screen

Memo

LIMIT : FCC Part15 Subpart.B Class B (3m) - GHz(Peak)
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	8991.070	29.70	32.09	13.39	37.49	37.69	54.00	16.31	195	0
2	9141.660	27.80	32.16	13.64	37.61	35.99	54.00	18.01	201	208
3	11987.130	26.40	33.45	15.66	37.72	37.79	54.00	16.21	204	235
----- Vertical ------										
4	7791.670	28.70	31.33	12.60	37.80	34.83	54.00	19.17	201	187
5	8830.470	27.40	31.96	13.37	37.40	35.33	54.00	18.67	207	163
6	8992.520	29.80	32.09	13.40	37.50	37.79	54.00	16.21	205	208
7	9135.690	27.30	32.16	13.63	37.61	35.48	54.00	18.52	196	0
8	11984.120	25.70	33.44	15.64	37.72	37.06	54.00	16.94	107	201

Radiated disturbance at (18 ~ 40) GHz _Peak measurement data			
Test configuration mode	**3**	**EUT Operation mode**	**3**
Test voltage (V)	**120**	**Test Frequency (Hz)**	**60**
Ear-Mic	**Cresyn**	**Data cable**	**Ningbo**

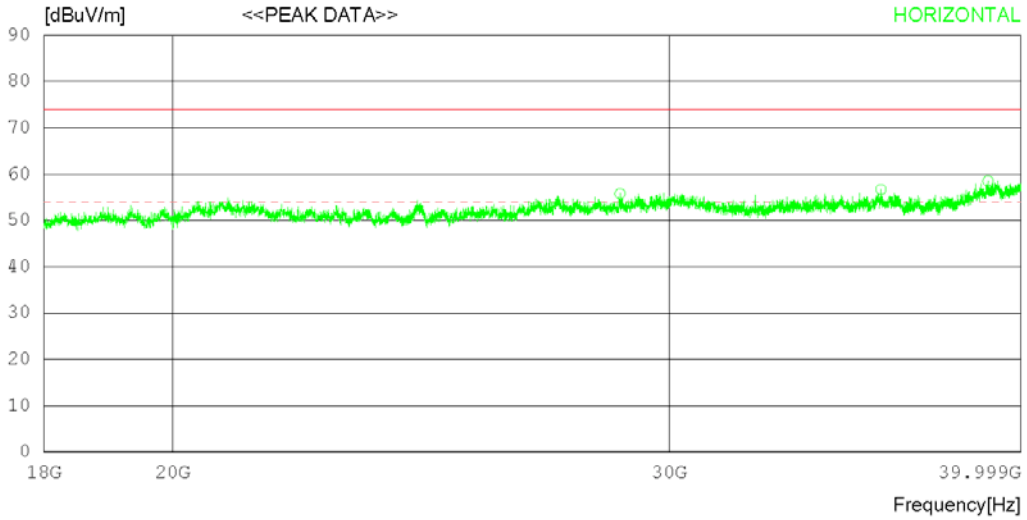
RADIATED EMISSION

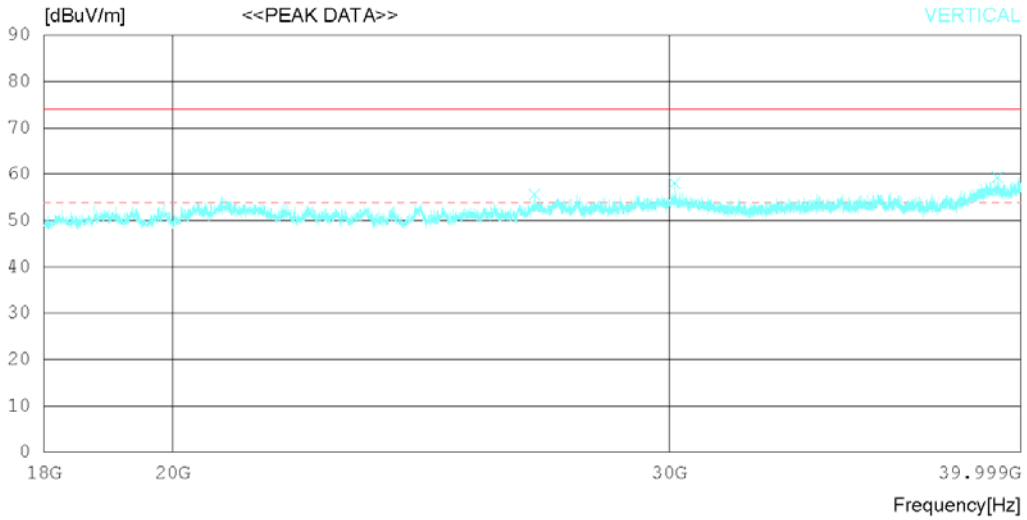
Date 2020-02-12

Order No. DTNC2001-00118
Power Supply 120 VAC 60 Hz
Temp/Humi 23 'C 48 % R.H.
Test Condition PC Link + Dual Screen

Memo

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





RADIATED EMISSION

Date 2020-02-12

Order No. DTNC2001-00118
Power Supply 120 VAC 60 Hz
Temp/Humi 23 'C 48 % R.H.
Test Condition PC Link + Dual Screen

Memo

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

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	28824.000	39.90	46.72	21.74	52.58	55.78	74.0	18.22	111	88
2	35679.750	39.50	46.92	24.08	53.82	56.68	74.0	17.32	106	350
3	38935.750	37.50	47.54	25.70	52.25	58.49	74.0	15.51	108	358
----- Vertical ------										
4	26879.750	41.80	45.90	21.12	53.21	55.61	74.0	18.39	103	211
5	30144.000	40.90	47.50	21.96	52.21	58.15	74.0	15.85	106	3
6	39246.500	38.20	47.95	25.41	52.24	59.32	74.0	14.68	108	0

Radiated disturbance at (18 ~ 40) GHz _Average measurement data			
Test configuration mode	**3**	**EUT Operation mode**	**3**
Test voltage (V)	**120**	**Test Frequency (Hz)**	**60**
Ear-Mic	**Cresyn**	**Data cable**	**Ningbo**

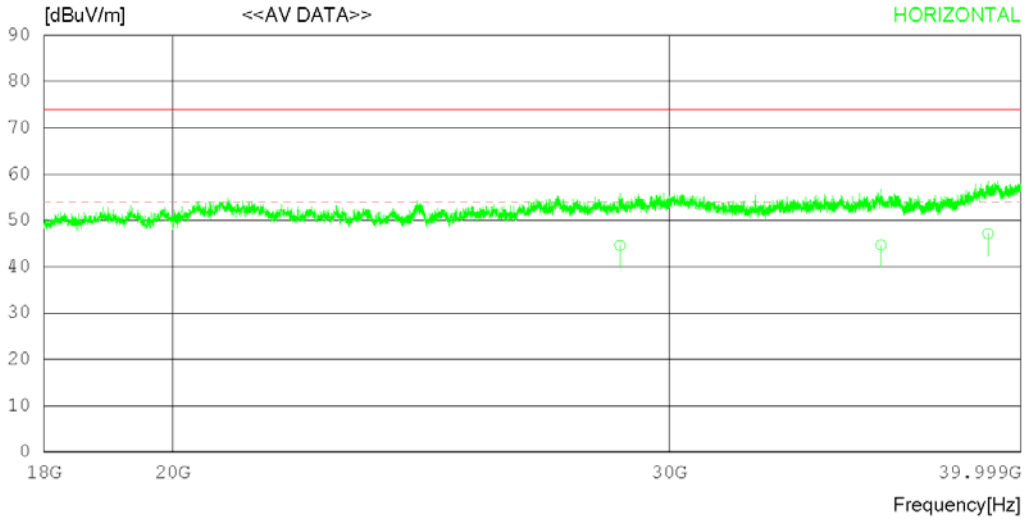
RADIATED EMISSION

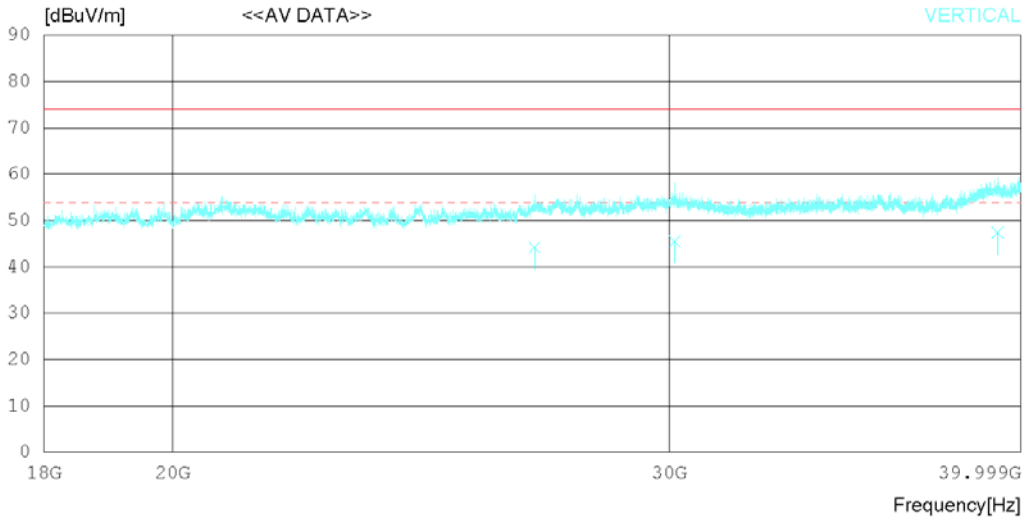
Date 2020-02-12

Order No. DTNC2001-00118
Power Supply 120 VAC 60 Hz
Temp/Humi 23 'C 48 % R.H.
Test Condition PC Link + Dual Screen

Memo

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





RADIATED EMISSION

Date 2020-02-12

Order No. DTNC2001-00118
Power Supply 120 VAC 60 Hz
Temp/Humi 23 'C 48 % R.H.
Test Condition PC Link + Dual Screen

Memo

LIMIT : FCC Part15 Subpart.B Class B (3m) - GHz(Peak)
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	28824.020	28.70	46.72	21.74	52.58	44.58	54.00	9.42	109	91
2	35679.770	27.50	46.92	24.08	53.82	44.68	54.00	9.32	105	356
3	38935.680	26.20	47.54	25.70	52.25	47.19	54.00	6.81	107	351
----- Vertical ------										
4	26879.680	30.40	45.90	21.12	53.21	44.21	54.00	9.79	102	217
5	30144.020	28.30	47.50	21.96	52.21	45.55	54.00	8.45	105	0
6	39246.470	26.30	47.95	25.41	52.24	47.42	54.00	6.58	107	0

Radiated disturbance at (30 ~ 1000) MHz _Measurement data			
Test configuration mode	**4**	**EUT Operation mode**	**4**
Test voltage (V)	**120**	**Test Frequency (Hz)**	**60**
Ear-Mic	**Cresyn**	**Data cable**	**-**

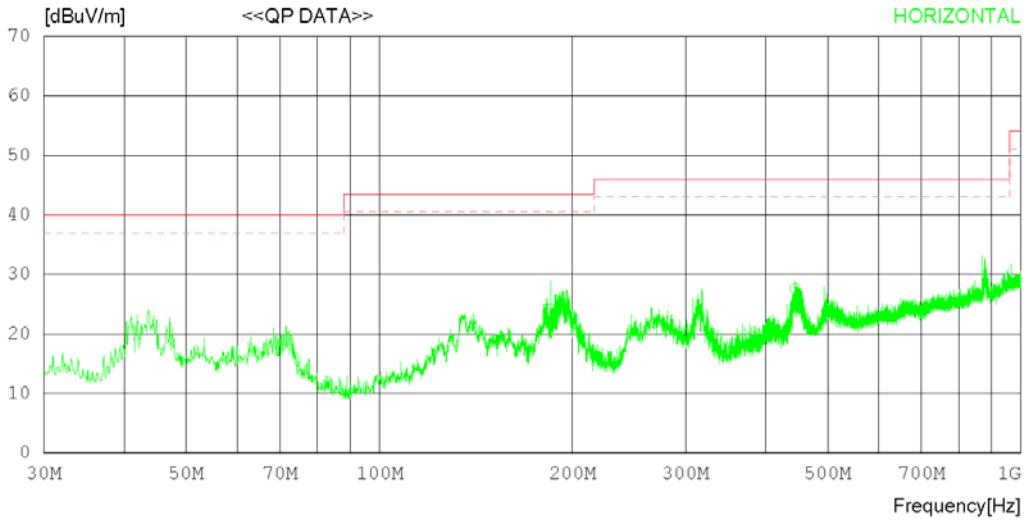
RADIATED EMISSION

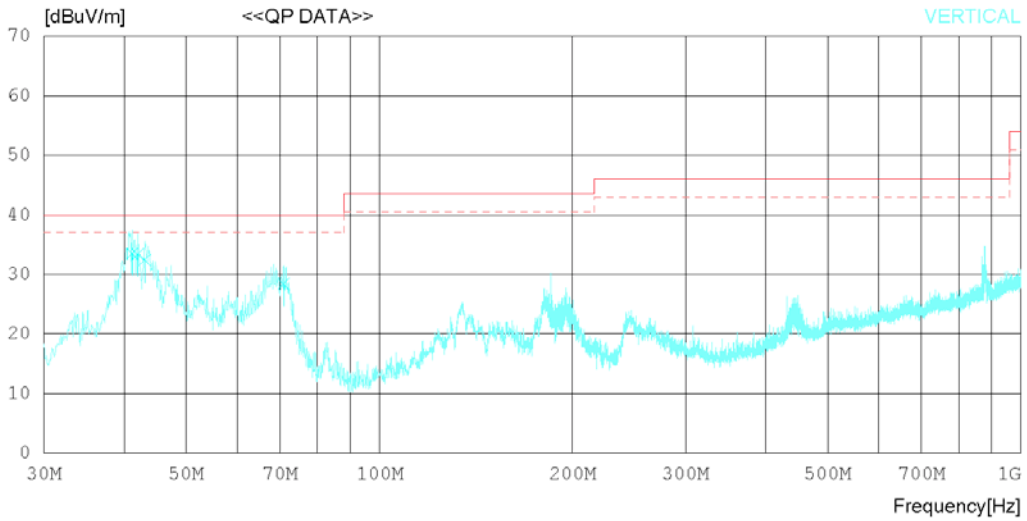
Date 2020-01-16

Order No. DTNC2001-00118
Power Supply 120 VAC 60 Hz
Temp/Humi 19 'C 40 %.R.H.
Test Condition Wireless Charge Mode

Memo

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





RADIATED EMISSION

Date 2020-01-16

Order No. DTNC2001-00118
Power Supply 120 VAC 60 Hz
Temp/Humi 19 'C 40 %.R.H.
Test Condition Wireless Charge Mode

Memo

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	184.954	31.20	16.80	1.85	25.62	24.23	43.50	19.27	229	101
2	444.300	27.70	22.94	2.61	25.65	27.60	46.00	18.40	208	0
----- Vertical ------										
3	41.155	40.80	17.33	1.21	25.81	33.53	40.00	6.47	109	355
4	42.004	40.50	17.50	1.22	25.81	33.41	40.00	6.59	104	172
5	43.095	39.40	17.60	1.23	25.81	32.42	40.00	7.58	103	220
6	70.861	36.40	16.41	1.36	25.76	28.41	40.00	11.59	105	148

Radiated disturbance at (1 ~ 6) GHz _Peak measurement data			
Test configuration mode	**4**	**EUT Operation mode**	**4**
Test voltage (V)	**120**	**Test Frequency (Hz)**	**60**
Ear-Mic	**Cresyn**	**Data cable**	**-**

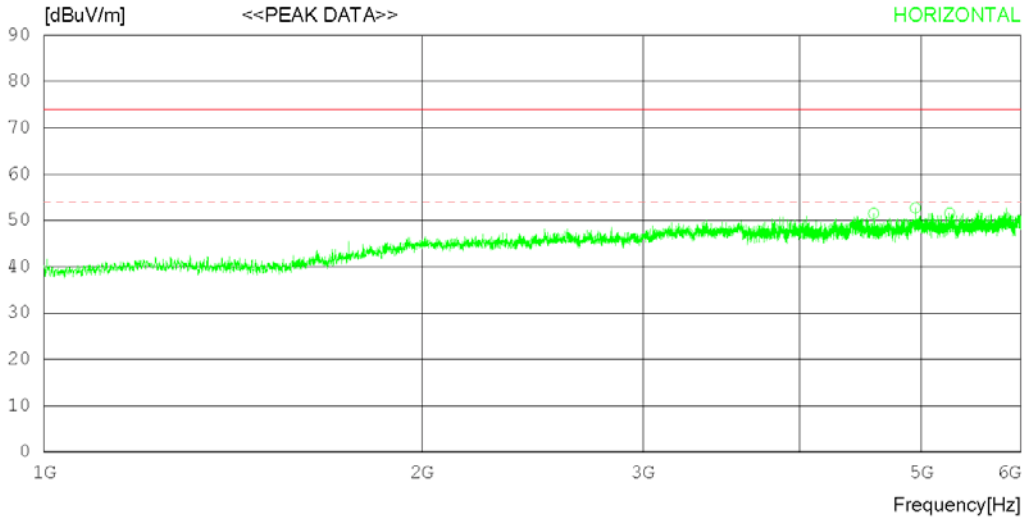
RADIATED EMISSION

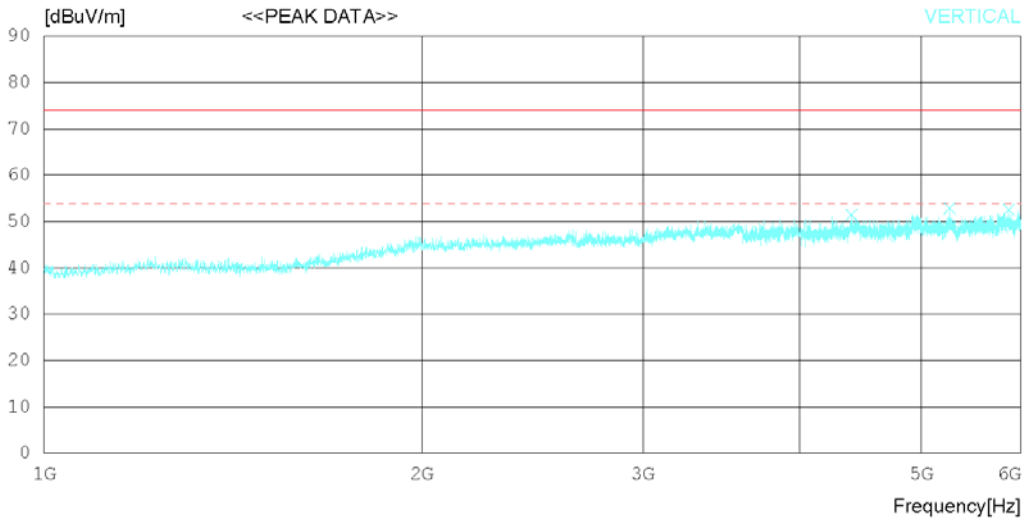
Date 2020-01-14

Order No. DTNC2001-00118
Power Supply 120 VAC 60 Hz
Temp/Humi 20 'C 45 %.R.H.
Test Condition Wireless Charge Mode

Memo

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





RADIATED EMISSION

Date 2020-01-14

Order No.	DTNC2001-00118
Power Supply	120 VAC 60 Hz
Temp/Humi	20 'C 45 %.R.H.
Test Condition	Wireless Charge Mode

Memo

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

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	4579.375	41.80	33.96	10.02	34.30	51.48	74.0	22.52	109	336
2	4945.000	42.60	34.19	10.68	34.79	52.68	74.0	21.32	108	358
3	5266.875	41.40	34.33	10.73	34.90	51.56	74.0	22.44	221	83
----- Vertical ------										
4	4399.375	41.90	33.80	9.82	34.07	51.45	74.0	22.55	214	4
5	5266.875	42.70	34.33	10.73	34.90	52.86	74.0	21.14	107	12
6	5869.375	41.30	34.94	11.27	34.98	52.53	74.0	21.47	109	0

Radiated disturbance at (1 ~ 6) GHz _Average measurement data			
Test configuration mode	**4**	**EUT Operation mode**	**4**
Test voltage (V)	**120**	**Test Frequency (Hz)**	**60**
Ear-Mic	**Cresyn**	**Data cable**	**-**

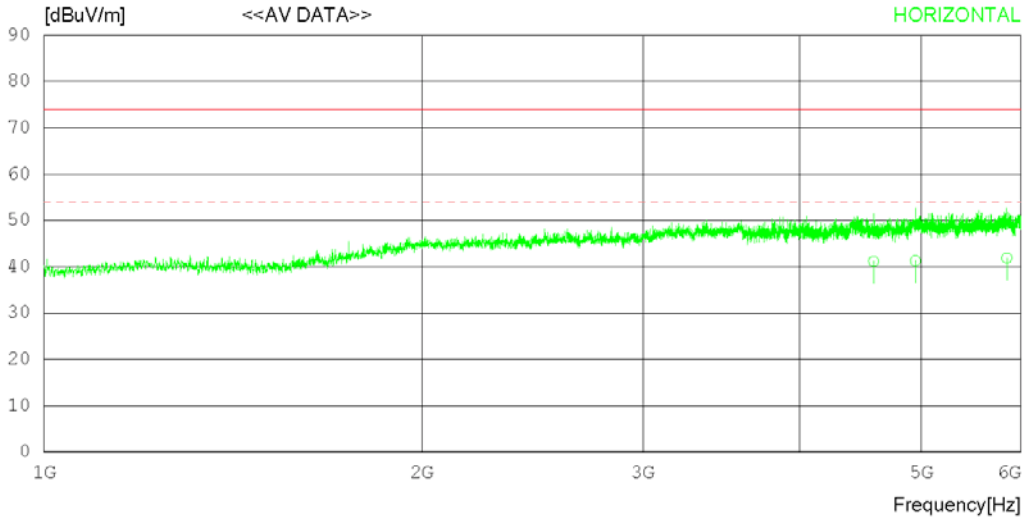
RADIATED EMISSION

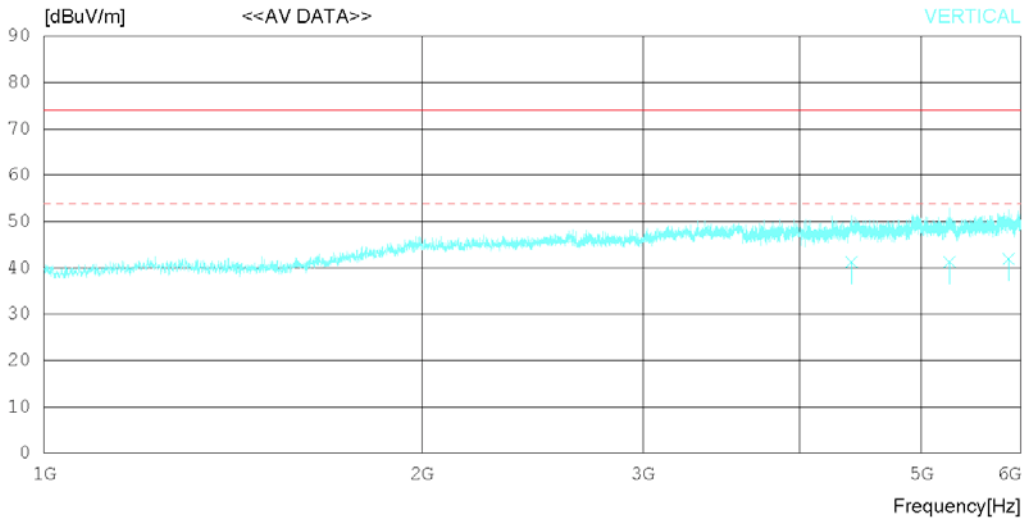
Date 2020-01-14

Order No. DTNC2001-00118
Power Supply 120 VAC 60 Hz
Temp/Humi 20 'C 45 %.R.H.
Test Condition Wireless Charge Mode

Memo

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





RADIATED EMISSION

Date 2020-01-14

Order No. DTNC2001-00118
Power Supply 120 VAC 60 Hz
Temp/Humi 20 'C 45 %.R.H.
Test Condition Wireless Charge Mode

Memo

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

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	4579.295	31.50	33.96	10.02	34.30	41.18	54.00	12.82	108	348
2	4945.020	31.20	34.19	10.68	34.79	41.28	54.00	12.72	104	352
3	5845.775	30.70	34.88	11.27	34.98	41.87	54.00	12.13	205	96
----- Vertical ------										
4	4399.286	31.70	33.80	9.82	34.07	41.25	54.00	12.75	210	0
5	5266.965	31.10	34.33	10.73	34.90	41.26	54.00	12.74	104	0
6	5869.475	30.70	34.94	11.27	34.98	41.93	54.00	12.07	105	0

Radiated disturbance at (6 ~ 18) GHz _Peak measurement data			
Test configuration mode	**4**	**EUT Operation mode**	**4**
Test voltage (V)	**120**	**Test Frequency (Hz)**	**60**
Ear-Mic	**Cresyn**	**Data cable**	**-**

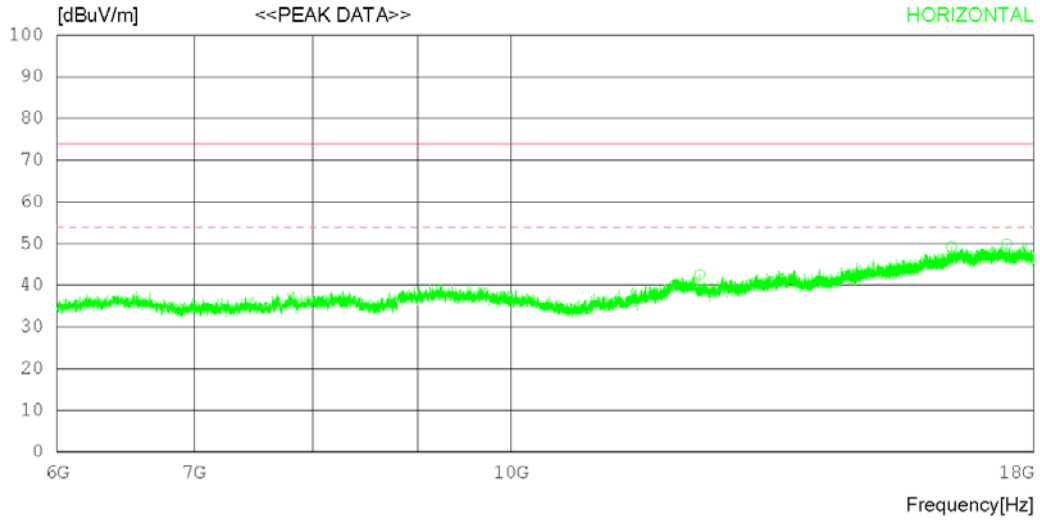
RADIATED EMISSION

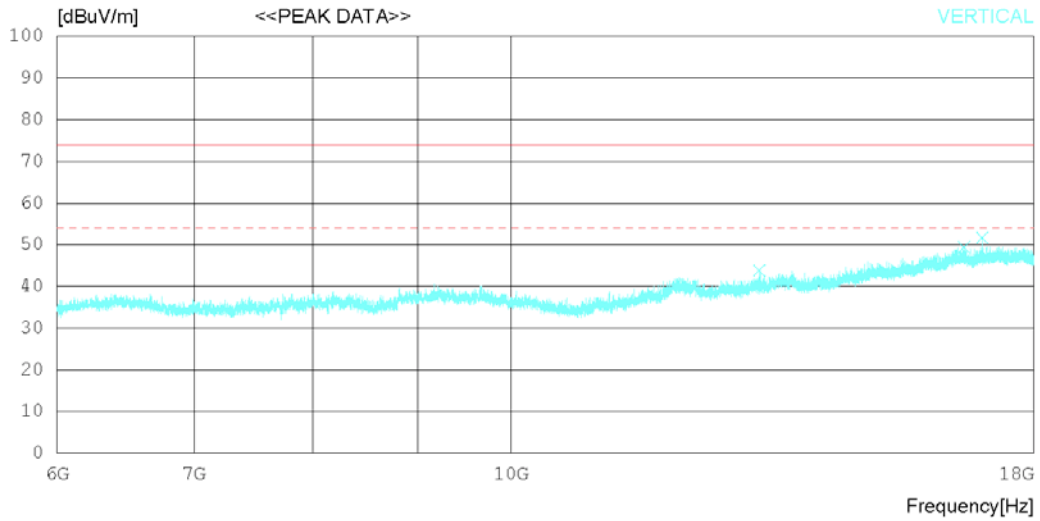
Date 2020-01-18

Order No. DTNC2001-00118
Power Supply 120 VAC 60 Hz
Temp/Humi 22 'C 45 %.R.H.
Test Condition Wireless Charge Mode

Memo

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





RADIATED EMISSION

Date 2020-01-18

Order No. DTNC2001-00118
Power Supply 120 VAC 60 Hz
Temp/Humi 22 'C 45 %.R.H.
Test Condition Wireless Charge Mode

Memo

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

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	12360.000	31.30	33.49	15.93	38.20	42.52	74.0	31.48	106	0
2	16410.000	29.30	36.88	19.17	36.15	49.20	74.0	24.8	221	216
3	17462.250	29.20	37.91	19.75	36.95	49.91	74.0	24.09	106	0
----- Vertical ------										
4	13218.750	31.10	33.63	16.77	37.68	43.82	74.0	30.18	193	0
5	16645.500	28.70	37.15	19.80	36.19	49.46	74.0	24.54	109	335
6	16989.750	30.40	37.54	20.14	36.39	51.69	74.0	22.31	136	0

Radiated disturbance at (6 ~ 18) GHz _Average measurement data			
Test configuration mode	**4**	**EUT Operation mode**	**4**
Test voltage (V)	**120**	**Test Frequency (Hz)**	**60**
Ear-Mic	**Cresyn**	**Data cable**	**-**

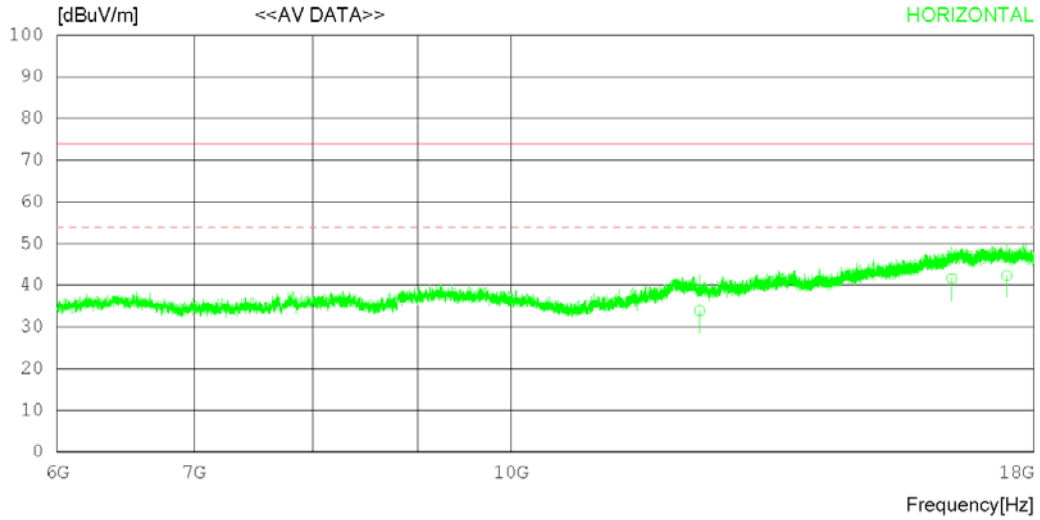
RADIATED EMISSION

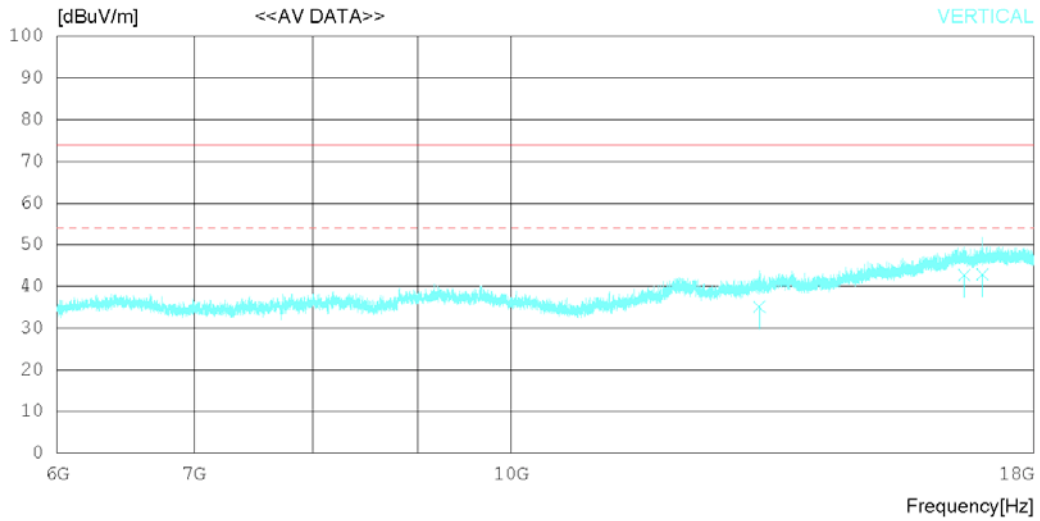
Date 2020-01-18

Order No. DTNC2001-00118
Power Supply 120 VAC 60 Hz
Temp/Humi 22 'C 45 %.R.H.
Test Condition Wireless Charge Mode

Memo

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





RADIATED EMISSION

Date 2020-01-18

Order No. DTNC2001-00118
Power Supply 120 VAC 60 Hz
Temp/Humi 22 'C 45 %.R.H.
Test Condition Wireless Charge Mode

Memo

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

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	12360.070	22.70	33.49	15.93	38.20	33.92	54.00	20.08	104	0
2	16410.210	21.70	36.88	19.17	36.15	41.60	54.00	12.40	211	211
3	17462.390	21.60	37.91	19.75	36.95	42.31	54.00	11.69	109	0
----- Vertical ------										
4	13218.640	22.40	33.63	16.77	37.68	35.12	54.00	18.88	196	0
5	16645.470	21.90	37.15	19.80	36.19	42.66	54.00	11.34	108	321
6	16989.690	21.60	37.54	20.14	36.39	42.89	54.00	11.11	134	0

Radiated disturbance at (18 ~ 40) GHz _Peak measurement data			
Test configuration mode	**4**	**EUT Operation mode**	**4**
Test voltage (V)	**120**	**Test Frequency (Hz)**	**60**
Ear-Mic	**Cresyn**	**Data cable**	**-**

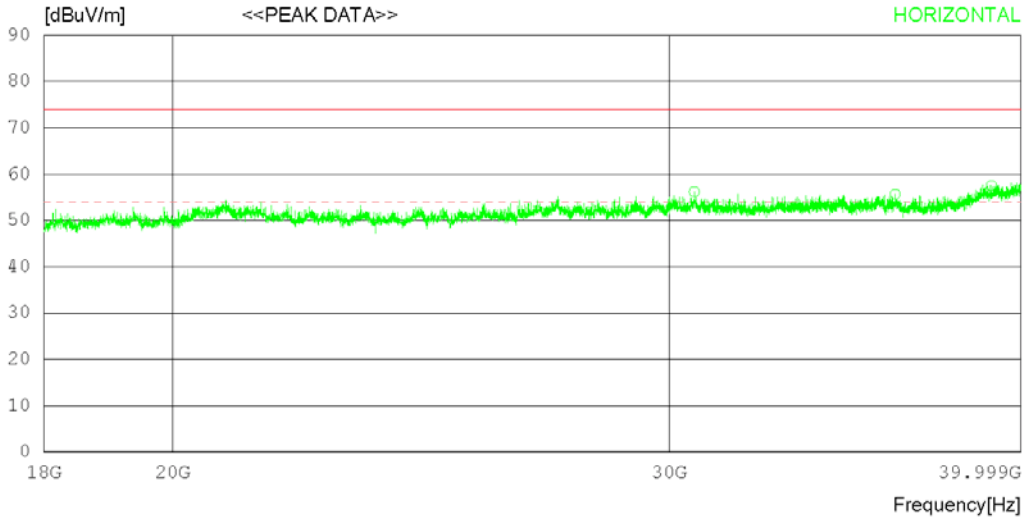
RADIATED EMISSION

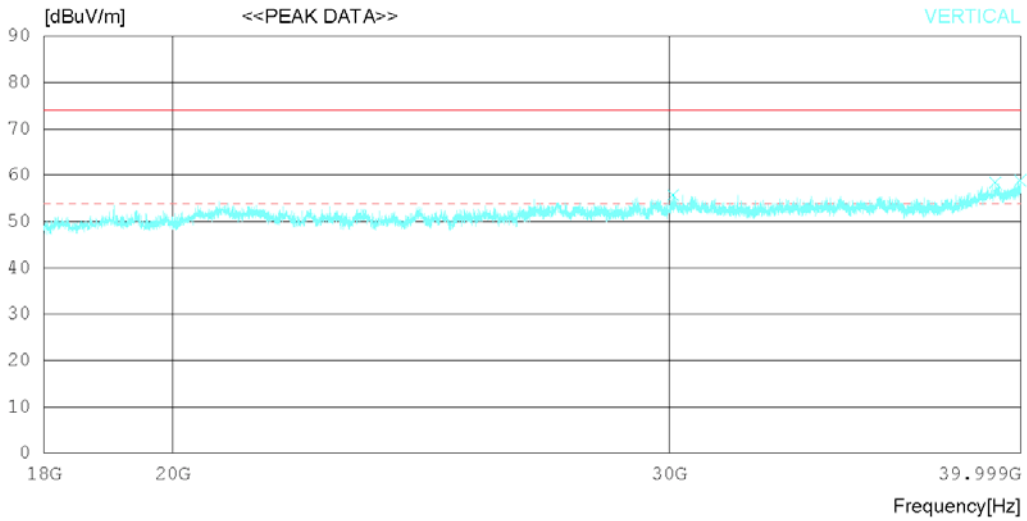
Date 2020-01-18

Order No. DTNC2001-00118
Power Supply 120 VAC 60 Hz
Temp/Humi 22 'C 45 % R.H.
Test Condition Wireless Charge Mode

Memo

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





RADIATED EMISSION

Date 2020-01-18

Order No. DTNC2001-00118
Power Supply 120 VAC 60 Hz
Temp/Humi 22 'C 45 % R.H.
Test Condition Wireless Charge Mode

Memo

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

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	30628.000	38.80	47.37	22.24	52.23	56.18	74.0	17.82	103	0
2	36095.000	38.60	46.80	24.11	53.82	55.69	74.0	18.31	109	0
3	39048.500	36.40	47.65	25.71	52.25	57.51	74.0	16.49	107	229
----- Vertical ------										
4	30113.750	38.50	47.50	21.94	52.21	55.73	74.0	18.27	112	358
5	39177.750	37.30	47.86	25.52	52.24	58.44	74.0	15.56	105	123
6	39978.000	37.40	49.26	24.34	52.20	58.80	74.0	15.2	104	52

Radiated disturbance at (18 ~ 40) GHz _Average measurement data			
Test configuration mode	**4**	**EUT Operation mode**	**4**
Test voltage (V)	**120**	**Test Frequency (Hz)**	**60**
Ear-Mic	**Cresyn**	**Data cable**	**-**

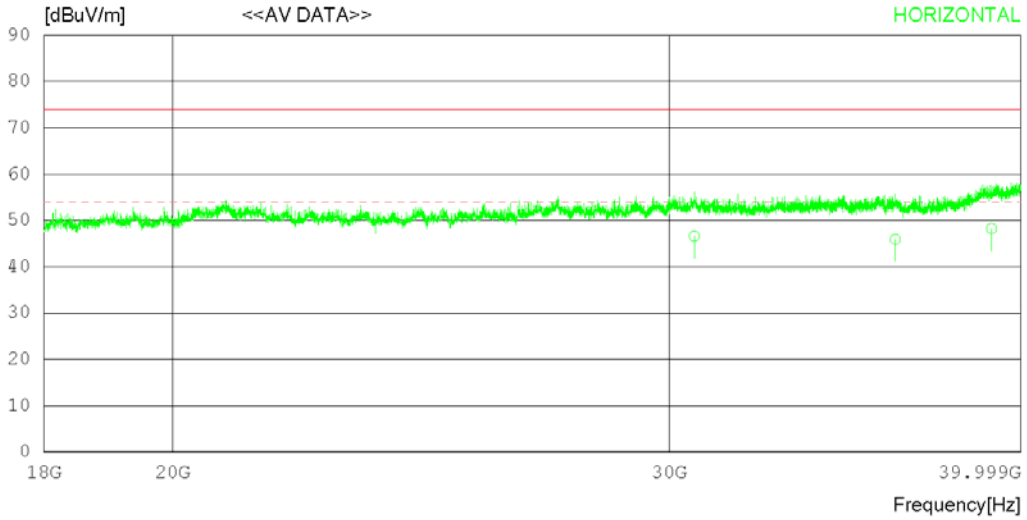
RADIATED EMISSION

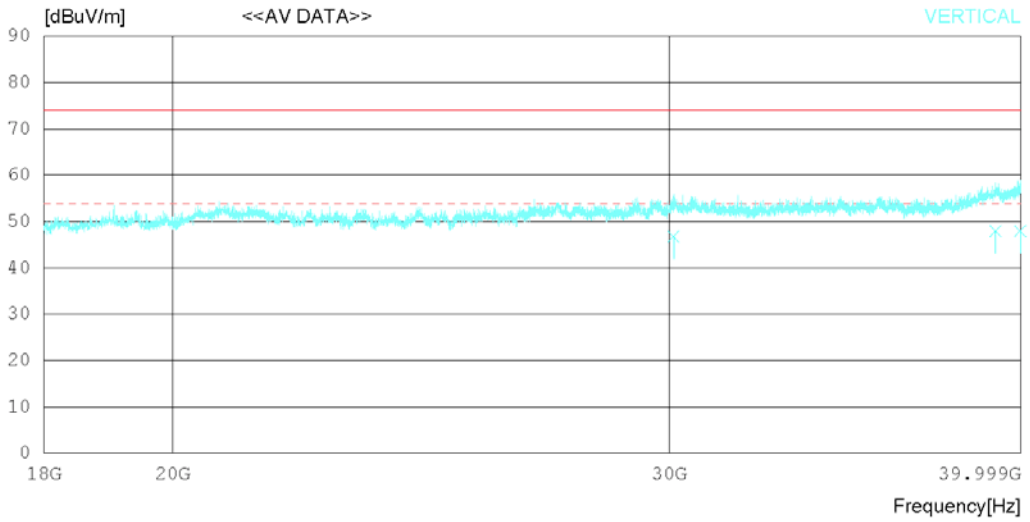
Date 2020-01-18

Order No. DTNC2001-00118
Power Supply 120 VAC 60 Hz
Temp/Humi 22 'C 45 % R.H.
Test Condition Wireless Charge Mode

Memo

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





RADIATED EMISSION

Date 2020-01-18

Order No. DTNC2001-00118
Power Supply 120 VAC 60 Hz
Temp/Humi 22 'C 45 % R.H.
Test Condition Wireless Charge Mode

Memo

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

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	30628.11029.20	47.37	22.24	52.23	46.58	54.00	7.42	102	0	
2	36095.28028.80	46.80	24.11	53.82	45.89	54.00	8.11	108	0	
3	39048.32027.10	47.65	25.71	52.25	48.21	54.00	5.79	104	231	
----- Vertical ------										
4	30113.53029.50	47.50	21.94	52.21	46.73	54.00	7.27	109	352	
5	39177.62026.80	47.86	25.52	52.24	47.94	54.00	6.06	102	135	
6	39978.05026.50	49.26	24.34	52.20	47.90	54.00	6.10	105	66	

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)

8. Revision History

Date	Description	Revised By	Reviewed By
Feb. 05. 2020	Initial report	ChanGeun Lee	KyoungHwan Bae
Feb. 10. 2020	- Added measurement uncertainty. (Refer to page 10 and 17.)	ChanGeun Lee	KyoungHwan Bae
Feb. 13. 2020	- Retest by change of test setup (Mode 2, 3) - Added Add model name (LMV601V, LM-V601V, V601V)	ChanGeun Lee	KyoungHwan Bae

-End of test report-