FCC ID: YCO-IML-C4300W Report No.: DREFCC1503-0112

Total 28 pages

EMC TEST REPORT

Test item	: IML-C4300W
Model No.	: IML-C4300W

Order No. : DTNC1502-00483

Date of receipt : 2015-02-02

Test duration : 2015-02-23

Date of Issue : 2015-03-18

Applicant : INFOMARK

3rd Floor, Humaxvillage, 216, Hwangsaeul-ro, Bundang-gu, Seongnam-si,

Gyeonggi-do, 463-875, KOREA

Test laboratory : DT&C Co., Ltd.

42, Yurim-ro, 154beon-gil, Cheoin-gu, Yongin-si, Gyeonggi-do, Korea 449-935

Test specification : ANSI C 63.4:2009

FCC Part 15 Subpart B

(Class B personal computers and peripherals)

Test environment : Temperature : (22 ~ 23) °C,

Humidity: (36 ~ 37) % R.H.

Test result : ☐ Comply ☐ Not Comply

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.

This test report shall not be reproduced except in full, without the written approval of Dt&C Co., Ltd.

Tested by: Reviewed by:

Engineer JunHo Park Technical Manager YoungKyu Shin

PRESIDENT OF DT&C Co., Ltd.



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FCC ID: YCO-IML-C4300W Report No.: DREFCC1503-0112

Total 28 pages

1. General Remarks

This report contains the result of tests performed by:

Dt&C Co., Ltd.

Address: 42, Yurim-ro, 154beon-gil, Cheoin-gu, Yongin-si, Gyeonggi-do, Korea 449-935

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	Mark
Accreditation	Korea	KOLAS	393	ISO/IEC 17025
	USA	FCC	KR0034 101842 678747, 596748, 804488, 165783	Accredited 2.948 Listed
Cito Filing	Canada	IC	5740A-1 5740A-2	Registered
Site Filing	Japan	VCCI	C-1427 R-1364, R-3385, R-4076, R-4180, T-1442, G-338, G754, G-815	Registered
0 1:5 1:	Korea	KC	KR0034	Designation
Certification	Germany	TUV	CARAT 13 11 86721 001	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

Kind of Equipment	IML-C4300W
Model No.	IML-C4300W
Add Model No	None
Serial No	None
FCC ID	YCO-IML-C4300W
Supplied Power for Test	AC 120 V, 60 Hz
Rating Power	INPUT : 100-240 V, 50/60 Hz, 0.18 A
(Use for Adapter)	OUTPUT : DC 5.0 V, 1.0 A
Operation Frequency	48 MHz
	INFOMARK
Applicant	3rd Floor, Humaxvillage, 216, Hwangsaeul-ro, Bundang-gu,
	Seongnam-si, Gyeonggi-do, 463-875, KOREA
	INFOMARK
Manufacturer	3rd Floor, Humaxvillage, 216, Hwangsaeul-ro, Bundang-gu,
	Seongnam-si, Gyeonggi-do, 463-875, KOREA

Related Submittal(s) / Grant(s) Original submittal only.

4. Test Summary

4.1 Applied standards and test results

Test Items	Applied Standards	Results
Conducted Disturbance	ANSI C63.4:2009	С
Radiated Disturbance	ANSI C63.4:2009	С
C=Comply N/C=Not Comply	y N/T=Not Tested N/A=Not Applicable	

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

4.2 Test environment and conditions

Test Items	Test date (YYYY-MM-DD)	Temp (℃)	Humidity (% R.H.)
Conducted Disturbance	2015-02-23	22	37
Radiated Disturbance	2015-02-23	23	36

4.3 Test result Summary

(1) Conducted Emission

Frequency [MHz]	Phase	Result [dBµV]	Detector	Limit [dBµ∨]	Margin [dB]
0.24150	N	41.5	Average	52.0	10.5

(2) Radiated Emission

Frequency [MHz]	Pol.	Result [dB(μV/m)]	Detector	Limit [dB(μ√/m)]	Margin [dB]
3000.000	V	50.2	Average	54.0	3.8

5. Test Set-up and operation mode

5.1 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.

5.2 Test Operation Mode

- Charging mode: The measurement was made of the maximized by: moving the cable.
- PC link mode: The measurement was made of the maximized by: changing the data transmission speed; moving the cable.

5.3 Support Equipment Used

		quipinioni o			CAI	BLE			
Unit	Model No.	Serial No.	Manufacturer	Connect type	Length (m)	shield	With Ferrite	Back shell	FCC ID
				POWER	1.8	Non-shield	Х		
				USB	1.6	Shield	X		
				USB	1.7	Shield	X		
PC	DCSM	F92QFBX	DELL	USB	1.0	Shield	O(NOTE)	Plastic	DOC
PC	DCSIVI	F92QFBA	DELL	DVI	1.6	Shield	O(NOTE)	Flastic	DOC
				PARALLEL	1.2	Shield	X		
				ETHERNET	20.0	Non-shield	X		
				STEREO-MIC	2.0	Non-shield	X		
LCD	LIOOAOLIMT	CN-036N7K-	DELL	POWER	1.8	Non-shield	X	Disatio	DOG
MONITOR	U2312HMT	74445-199-440L	DELL	DVI	1.6	Shield	O(NOTE)	Plastic	DOC
DDINTED	EPSON	LW/T7404070	FDCON	POWER	2.0	Non-shield	Χ	Disatio	DOC
PRINTER	AcuLaser M1200	LWTZ181070	EPSON	PARALLEL	1.2	Shield	Χ	Plastic	DOC
KEYBOARD	KB-065	CN11163237	HP	USB	1.7	Non-shield	Х	Plastic	DOC
MOUSE	APOLLO-LU	NA	HP	USB	1.6	Non-shield	Х	Plastic	DOC
HEADSET	COV909	NA	COSY	STEREO- MIC	2.0	Non-shield	Х	Plastic	-
MOBILE CAMERA	SM-C115	CN1F400W9AX	SAMSUNG	MICRO USB	0.05	Non-shield	Х	Plastic	DOC
AC/DC	KSAS0060500	NA	Ktec	POWER	1.2	Non-shield	Χ	Plastic	VER
ADAPTER	100VUU	INA	Niec	USB	1.0	Shield	O(NOTE)	Plastic	VER
MICRO SD	SANDISK 4GB	NA	SANDISK	-	-	-	X	-	DOC

^{*} NOTE) The cable with ferrite core is provided by manufacturer.

6. Test Results: Emission

6.1 Conducted Disturbance

6.1.1 Measurement Procedure

In the range of 0.15 MHz to 30 MHz, the conducted disturbance was measured and set-up was made accordance with **ANSI C63.4.**

If the EUT is table top equipment, it was placed on a wooden table with a height of 0.8 m above the reference ground plane and 0.4 m from the conducting wall of the shielded room.

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

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

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

The measuring port of the LISN for EUT was connected to spectrum analyzer.

Using conducted emission test software, the emissions were scanned with peak detector mode.

After scanning over the frequency range, suspected emissions were selected to perform final measurement. When performing final measurement, the receiver was used which has Quasi-Peak detector and Average detector.

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

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

6.1.2 Limit for Conducted Disturbance

(1) Conducted disturbance at mains ports.

	Limits dB(μV)							
Frequency range (MHz)	Quas	si-peak	Average					
(11112)	Class A	Class B	Class A	Class B				
0.15 to 0.50	79	66 to 56	66	56 to 46				
0.50 to 5	73	56	60	46				
5 to 30	73	60	60	50				
Night A Though a Professional and the		. •						

Note 1 The lower limit shall apply at the transition frequencies.

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

Note) 1. Emission Level = Reading Value + Correction Factor.

- 2. Correction Factor = Cable Loss + Insertion Loss of LISN
- 3. Margin = Limit Emission level



Test Result

< Charging mode >

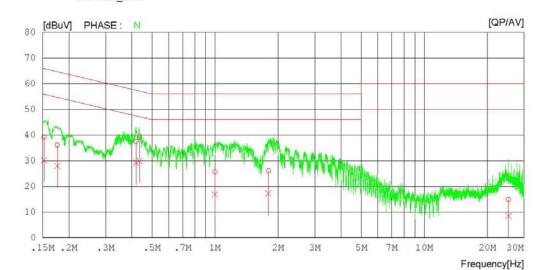
Results of Conducted Emission

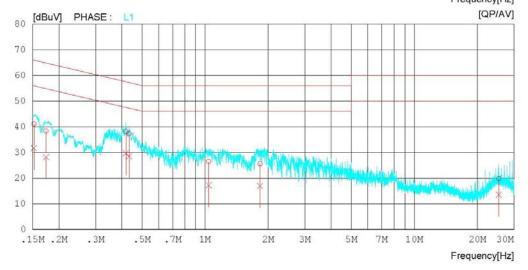
Date: 2015-02-23

 Order No.
 DTNC1502-00483
 Referrence No.
 :
 120 V
 60 Hz

 Serial No.
 Temp/Humi.
 22 °C
 37 % R.H.

 Test Condition
 CHARGING
 Operator
 :







Results of Conducted Emission

Date: 2015-02-23

: DTNC1502-00483 Referrence No.

Order No. 120 V 22 °C 60 Hz 37 % R.H.

Type Serial No. Test Condition Power Supply Temp/Humi. Operator : CHARGING

NO	FREO	READ	ING	C.FACTOR	RES	SULT	LI	MIT	MA	RGIN	PHASE
	[MHz]	QP AV			QP	AV [dBuV]	QP	AV][dBuV]	QP [dBuV	AV][dBuV]
1	0.15225	37.3	28.2	1.9	39.2	30.1	65.9	55.9	26.7	25.8	И
2	0.17615	34.4	26.4	1.6	36.0	28.0	64.7	54.7	28.7	26.7	N
3	0.41952	36.6	28.2	0.9	37.5	29.1	57.5	47.5	20.0	18.4	N
4	0.43550	38.2	28.9	0.9	39.1	29.8	57.1	47.1	18.0	17.3	N
5	0.99800	25.2	16.3	0.5	25.7	16.8	56.0	46.0	30.3	29.2	N
6	1.79820	25.6	16.8	0.4	26.0	17.2	56.0	46.0	30.0	28.8	N
7	25.28300	14.3	7.9	0.6	14.9	8.5	60.0	50.0	45.1	41.5	N
8	0.15196	39.1	29.7	1.9	41.0	31.6	65.9	55.9	24.9	24.3	L1
9	0.17377	36.5	26.5	1.7	38.2	28.2	64.8	54.8	26.6	26.6	L1
10	0.41800	37.2	28.7	0.9	38.1	29.6	57.5	47.5	19.4	17.9	L1
11	0.43335	36.3	27.6	0.9	37.2	28.5	57.2	47.2	20.0	18.7	L1
12	1.04120	25.8	16.7	0.5	26.3	17.2	56.0	46.0	29.7	28.8	L1
13	1.82980	25.1	16.3	0.5	25.6	16.8	56.0	46.0	30.4	29.2	L1
14	25.34900		12.9	0.6		13.5	60.0	50.0		36.5	L1



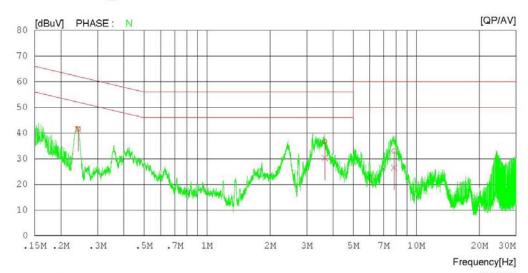
< PC link mode >

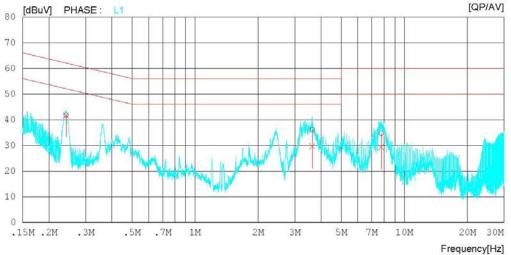
Results of Conducted Emission

DT&C Date: 2015-02-23

 Order No.
 DTNC1502-00483
 Reference No.
 :
 Power Supply
 :
 120 V
 60 Hz
 Serial No.
 Temp/Humi.
 :
 22 °C
 37 % R.H.
 Operator

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Results of Conducted Emission

Date: 2015-02-23

Order No.

: DTNC1502-00483

Referrence No. Power Supply Temp/Humi. Operator 120 V 22 °C

60 Hz 37 % R.H.

Type Serial No. Test Condition

: PC LINK

NO	FREQ	READ	READING C.FACT		FACTOR RESULT		LI	LIMIT		RGIN	PHASE
	[MHz]	QP [dBuV]	AV [dBuV]	[dB]	QP [dBuV]	AV [dBuV]	QP [dBuV	AV] [dBuV]	QP [dBuV	AV] [dBuV]	
1	0.24150	40.3	40.3	1.2	41.5	41.5	62.0	52.0	20.5	10.5	И
2	3.64920	36.2	29.7	0.5	36.7	30.2	56.0	46.0	19.3	15.8	N
3	7.83060	32.4	25.9	0.5	32.9	26.4	60.0	50.0	27.1	23.6	N
4	0.24150	40.6	40.5	1.2	41.8	41.7	62.0	52.0	20.2	10.3	L1
5	3.63120	35.7	29.1	0.5	36.2	29.6	56.0	46.0	19.8	16.4	L1
6	7.76020	34.1	28.8	0.5	34.6	29.3	60.0	50.0	25.4	20.7	L1

FCC ID: YCO-IML-C4300W Report No.: DREFCC1503-0112

Total 28 pages

6.2 Radiated Disturbance

6.2.1 Measurement Procedure

The radiated disturbance was measured and set-up was made accordance with ANSI C63.4.

If the EUT is tabletop equipment, it was placed on a wooden table with a height of 0.8 m above the reference ground plane and 3 m or 10 m away from the interference receiving antenna in the **10m semi-anechoic chamber.**

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

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

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

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

Peak detector with 1 MHz RBW and 1 MHz VBW were used for above 1 GHz frequency range, also used linear average detector with defined in CISPR 16-1-1.

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

FCC ID: YCO-IML-C4300W Report No.: DREFCC1503-0112

Total 28 pages

6.2.2 Limit for Radiated Disturbance

- The test frequency range of Radiated Disturbance measurements are listed below.

Highest frequency generated or used in the device or on which the device operates or tunes (MHz)	Upper frequency of measurement range (MHz)
Below 108	1 000
108 – 500	2 000
500 – 1 000	5 000
Above 1 000	5 th harmonic of the highest frequency or 40 GHz, whichever is lower

(1) Limit for Radiated Emission below 1 000 MHz

Frequency range (MHz)	Class A Equipment (10 m distance) Quasi-peak (dBµV/m)	Class B Equipment (3 m distance) Quasi-peak (dBµV/m)
30 to 88	39.1	40
88 to 216	43.5	43.5
216 to 960	46.4	46
960 to 1 000	49.5	54

Note 1 The lower limit shall apply at the transition frequency.

Note 2 Additional provisions may be required for cases where interference occurs.

Note 3 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	Class A Equipment (10 m distance)	Class B Equipment (10 m distance)
(MHz)	Quasi-peak (dBµV/m)	Quasi-peak (dΒμV/m)
30 to 230	40	30
230 to 1 000	47	37

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

Frequency (GHz)	Class A E	Equipment	Class B Equipment		
	Peak (dBµV/m)	Average (dBµV/m)	Peak (dBµV/m)	Average (dBµV/m)	
1 to 40	80	60	74	54	

Note)1. Emission Level = Reading Value + loss - gain + Ant Factor

- 2. Margin = Limit Emission level
- 3. Loss = Cable loss, Gain = Amp gain, Ant Factor = Antenna Factor

Test Result

< 30 MHz ~ 1 GHz _ Charging mode >

RADIATED EMISSION

Date: 2015-02-23

Oder No. Model No. Serial No. Test Condition CHARGING

DTNC1502-00483

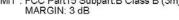
Reference No. Power Supply Temp/Humi Operator

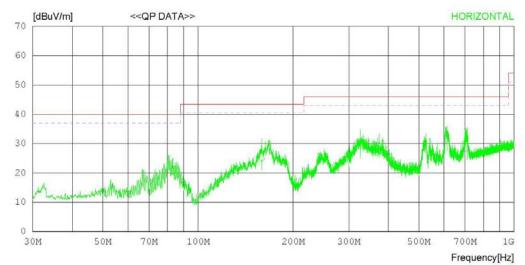
120 V 23 °C

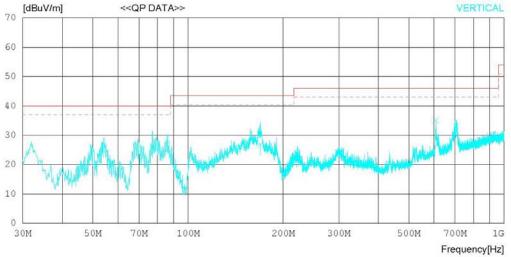
60 Hz 36 % R.H.

Memo

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









RADIATED EMISSION

Date: 2015-02-23

Oder No. Model No. Serial No. **Test Condition** DTNC1502-00483

CHARGING

Reference No. Power Supply Temp/Humi Operator

60 Hz 36 % R.H. 120 V 23 °C

Memo

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

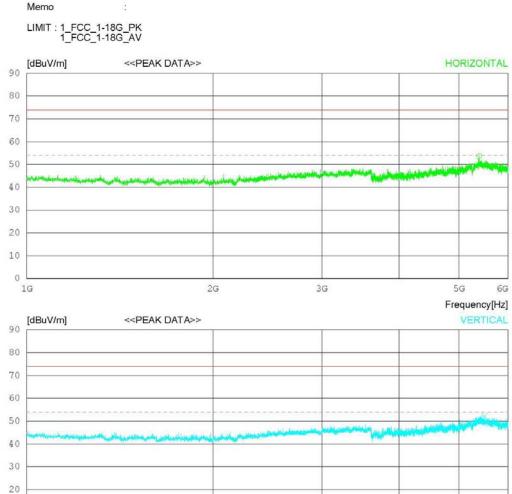
No	o. FREQ	READING	ANT	LOSS	GAIN	RESULT	LIMIT	MARGIN	ANTENNA	TABLE	
	[MHz]	QP [dBuV]	FACTOR [dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[DEG]	
	- Horizon	tal									
1 2 3 4	159.007 326.085 613.221 710.243	33.2 36.2 30.2 25.6	13.1 14.2 20.3 21.3	1.6 2.5 3.7 4.0	23.0 23.0 23.0 22.6	3 29.1 31.2	43.5 46.0 46.0 46.0	18.6 16.9 14.8 17.7	225 100 100 100	122 295 348 357	
	- Vertica	1									
5 6 7 8	77.166 169.192 607.521 706.120	38.5 35.9 34.2 30.4	9.0 12.4 20.3 21.3	1.1 1.6 3.7 4.0	22.7 23.0 23.0 22.6	26.9 35.2	40.0 43.5 46.0 46.0	14.1 16.6 10.8 12.9	116 100 100 252	198 348 174 299	

< (1 ~ 6) GHz _ Peak _ Charging mode >

RADIATED EMISSION

Date: 2015-02-23

Reference No. Power Supply Order No. Model No. DTNC1502-00483 60 Hz 36 % R.H. 120 V Serial No. Temp/Humi 23 °C **Test Condition** CHARGING



2G

3G

Frequency[Hz]

10 0 1G



RADIATED EMISSION

Date: 2015-02-23

Order No. Model No. Serial No. Test Condition : DTNC1502-00483

: CHARGING

Reference No. Power Supply Temp/Humi Operator

120 V 60 Hz 23 °C 36 % R.H.

Memo

LIMIT : 1_FCC_1-18G_PK 1_FCC_1-18G_AV

No.	FREQ	READING		LOSS	GAIN	RESULT	LIMIT	MARGIN	ANTENNA	TABLE
	[MHz]	PEAK [dBuV]	FACTOR [dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[DEG]
	Horizont	al								
1	5388.12	5 46.6	34.4	10.5	37.8	53.7	74.0	20.3	100	358
	Vertical									
2	5495.62	5 44.6	35.0	10.5	37.9	52.2	74.0	21.8	100	0



< (1 ~ 6) GHz _ Average _ Charging mode >

RADIATED EMISSION

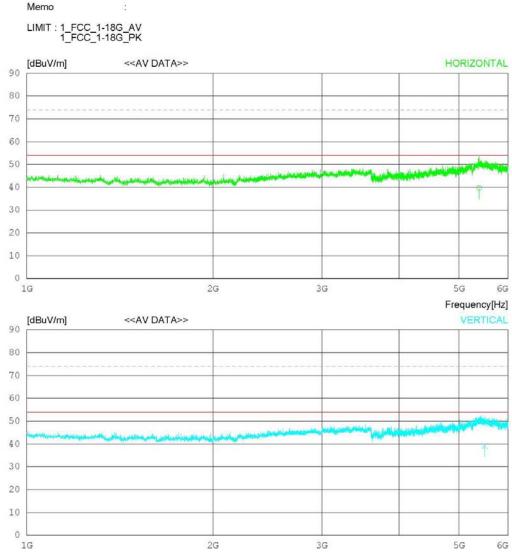
Date: 2015-02-23

 Order No.
 : DTNC1502-00483
 Reference No.
 :

 Model No.
 : Power Supply
 : 120 V
 60 Hz

 Serial No.
 : Temp/Humi
 : 23 °C
 36 % R.H.

 Test Condition
 : CHARGING
 Operator
 : Operator



Frequency[Hz]



RADIATED EMISSION

Date: 2015-02-23

Order No. : DTNC1502-00483
Model No. :
Serial No. :
Test Condition : CHARGING

Reference No. Power Supply Temp/Humi Operator

120 V 60 Hz 23 °C 36 % R.H.

Memo

LIMIT: 1_FCC_1-18G_AV 1_FCC_1-18G_PK

No	. FREQ	READING		LOSS	GAIN	RESULT	LIMIT	MARGIN	ANTENNA	TABLE
	[MHz]	AV [dBuV]	FACTOR [dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[DEG]
	Horizont	al								
1	5385.116	32.6	34.3	10.5	37.	8 39.6	54.0	14.4	100	14
	Vertical									
2	5497.282	31.6	35.0	10.5	37.	9 39.2	54.0	14.8	100	25

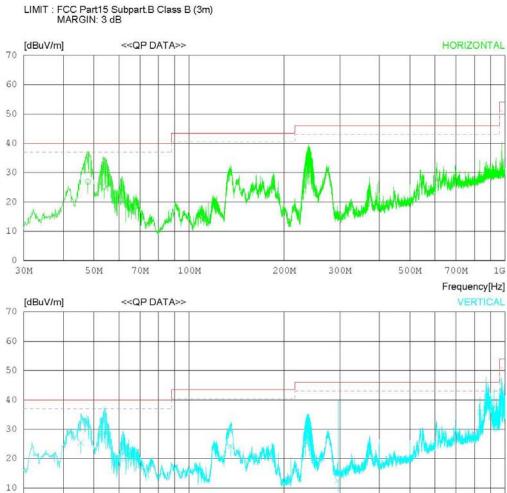
< 30 MHz ~ 1 GHz _ PC link mode >

Memo

RADIATED EMISSION

Date: 2015-02-23

Oder No. Model No. DTNC1502-00483 Reference No. Power Supply 60 Hz 120 V Serial No. Temp/Humi 23 °C 36 % R.H. **Test Condition** PC LINK Operator



200M

300M

500M

700M

Frequency[Hz]

1G

0 30M

50M

70M

100M



RADIATED EMISSION

Date: 2015-02-23

Oder No. Model No. Serial No. : DTNC1502-00483

Reference No. Power Supply Temp/Humi Operator

120 V 60 Hz 23 °C 36 % R.H.

Test Condition
Memo

1

: PC LINK

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

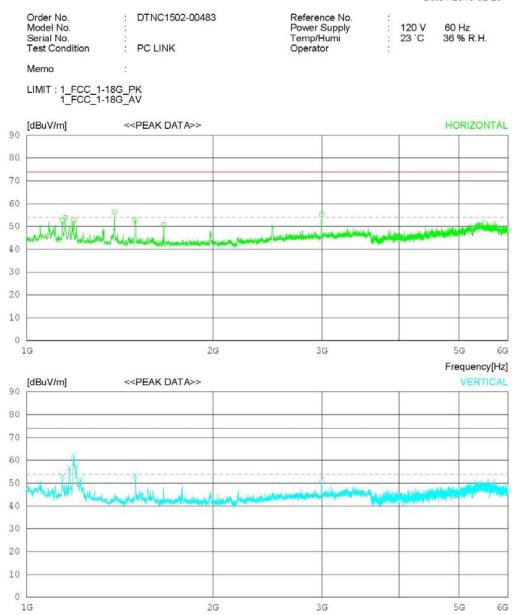
No	. FREQ	READING	ANT	LOSS	GAIN	RESULT	LIMIT	MARGIN	ANTENNA	TABLE
		QP	FACTOR							
	[MHz]	[dBuV]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[DEG]
	Horizont	al								
	110220011									
1	47.824	36.2	12.4	0.9	22.6	5 26.9	40.0	13.1	400	169
2	53.886	34.5	12.2	0.9	22.6	5 25.0	40.0	15.0	400	350
3	239.151	39.6	11.4	2.0	23.4		46.0	16.4	100	35
	Vertical									
	10101000	177-271-111								
4	45.520	34.9	12.4	0.8	22.6	5 25.5	40.0	14.5	100	185
5	53.886	38.5	12.2	0.9	22.0	5 29.0	40.0	11.0	100	357
6	135.364	33.2	12.6	1.5	22.9	24.4	43.5	19.1	100	348
7	295.894	20.4	13.4	2.4	23.	7 12.5	46.0	33.5	114	357
8	832.975	30.4	23.1	4.2	22.0	35.7	46.0	10.3	100	10
9	871.784	32.2	23.5	4.4	21.8	38.3	46.0	7.7	100	32
10	922.720	30.6	24.1	4.7	21.6	37.8	46.0	8.2	225	289
11	971 473	30.6	24.5	4 7	21 4	38.3	54.0	15.7	100	348



< (1 ~ 6) GHz _ Peak _ PC link mode >

RADIATED EMISSION





Frequency[Hz]



RADIATED EMISSION

Date: 2015-02-23

Order No. Model No. Serial No. Test Condition : DTNC1502-00483

: PC LINK

Reference No. Power Supply Temp/Humi Operator

120 V 60 Hz 23 °C 36 % R.H.

Memo

LIMIT: 1_FCC_1-18G_PK 1_FCC_1-18G_AV

No.	FREQ	READING		LOSS	GAIN	RESULT	LIMIT	MARGIN	ANTENNA	TABLE
	[MHz]	PEAK [dBuV]	FACTOR [dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[DEG]
	Horizont	al								
1	1142.50	0 57.6	24.3	10.5	39.7	52.7	74.0	21.3	100	112
2	1153.12	5 58.6	24.4	10.5	39.7	53.8	74.0	20.2	100	252
3	1191.87	5 57.5	24.5	10.4	39.6	52.8	74.0	21.2	100	112
4	1386.25	0 60.8	25.0	9.8	39.3	56.3	74.0	17.7	100	358
4 5 6	1496.25	0 57.1	25.4	9.5	39.2	52.8	74.0	21.2	100	358
6	1665.62	5 55.2	25.4	9.1	39.0	50.7	74.0	23.3	100	331
7	3000.00	0 56.1	29.0	8.7	38.5	55.3	74.0	18.7	100	302
	Vertical									
8	1142.50	0 58.2	24.3	10.5	39.7	53.3	74.0	20.7	100	36
9	1171.25	0 61.5	24.4	10.4	39.7	56.6	74.0	17.4	100	36
10	1191.25	0 66.8	24.5	10.4	39.6	62.1	74.0	11.9	100	36
11	1201.87	5 62.5	24.5	10.3	39.6	57.7	74.0	16.3	100	36
12	1221.87	5 56.3	24.6	10.3	39.6	51.6	74.0	22.4	100	36
13	1497.50	0 57.7	25.4	9.5	39.2	53.4	74.0	20.6	100	0
14	3000.00	0 52.6	29.0	8.7	38.5	51.8	74.0	22.2	100	32



rotai 28 page

< (1 ~ 6) GHz _ Average _ PC link mode >

RADIATED EMISSION

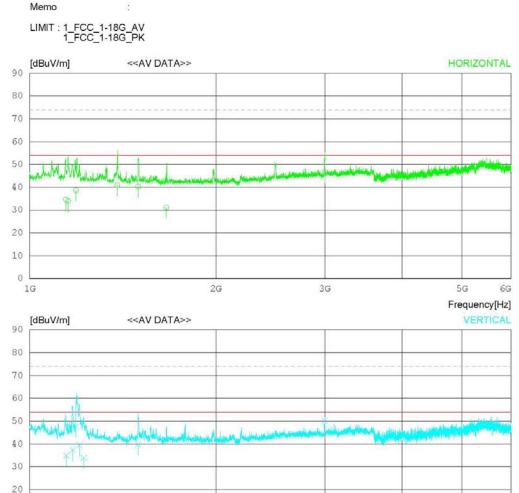
Date: 2015-02-23

 Order No.
 DTNC1502-00483
 Reference No.
 :

 Model No.
 :
 Power Supply
 :
 120 V
 60 Hz

 Serial No.
 :
 Temp/Humi
 :
 23 °C
 36 % R.H.

 Test Condition
 :
 PC LINK
 Operator
 :
 .



2G

3G

Frequency[Hz]

10 0 1G



RADIATED EMISSION

Date: 2015-02-23

Order No. Model No. Serial No. Test Condition : DTNC1502-00483

: PC LINK

Reference No. Power Supply Temp/Humi Operator

120 V 60 Hz 23 °C 36 % R.H.

Memo

LIMIT: 1_FCC_1-18G_AV 1_FCC_1-18G_PK

	No.	FREQ	READING AV	ANT FACTOR	LOSS	GAIN	RESULT	LIMIT	MARGIN	ANTENNA	TABLE
		[MHz]	[dBuV]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[DEG]
		Horizont	al								
	1	1144.415	39.6	24.3	10.5	39.7	34.7	54.0	19.3	100	112
	2	1153.743	38.8	24.4	10.5	39.7	34.0	54.0	20.0	100	252
	3	1187.989	43.4	24.5	10.4	39.6	38.7	54.0	15.3	100	112
	4	1384.323	45.4	25.0	9.9	39.3	41.0	54.0	13.0	100	350
	5	1496.353	44.6	25.4	9.5	39.2	40.3	54.0	13.7	111	25
	6	1662.468	35.6	25.4	9.1	39.0	31.1	54.0	22.9	100	331
	7	3000.000	47.5	29.0	8.7	38.5	46.7	54.0	7.3	100	302
		Vertical									
	8	1144.875	39.8	24.3	10.5	39.7	34.9	54.0	19.1	100	36
	9	1172.607	42.3	24.4	10.4	39.7	37.4	54.0	16.6	100	352
1	.0	1187.990	52.3	24.5	10.4	39.6	47.6	54.0	6.4	120	34
1	1	1202.980	44.3	24.5	10.3	39.6	39.5	54.0	14.5	100	172
1	2	1222.163	38.6	24.6	10.3	39.6	33.9	54.0	20.1	100	36
1	.3	1496.255	44.2	25.4	9.5	39.2	39.9	54.0	14.1	100	115
1	4	3000.000	51.0	29.0	8.7	38.5	50.2	54.0	3.8	100	32

FCC ID: YCO-IML-C4300W Report No.: DREFCC1503-0112 Total 28 pages

Appendix 1

List of Test and Measurement Instruments

FCC ID: YCO-IML-C4300W Report No.: DREFCC1503-0112

Total 28 pages

To facilitate inclusion on each page of the test equipment used for related tests, each item of test equipment is identified by the Test Laboratory.

1. Conducted Disturbance

Name of Instrument		Model No.	Manufacturer	Serial No.	Cal. Date	Next Cal. Date
\boxtimes	MEASUREMENT SOFTWARE	EMI-C VER. 2.00.0143	TSJ	N/A	N/A	N/A
\boxtimes	ARTIFICIAL MAINS NETWORK	PMM L2-16B	NARDA S.T.S. / PMM	000WX20305	2014.06.26	2015.06.26
	LISN	KNW-407	KYORITSU	8-317-8	2015.01.07	2016.01.07
	50 OHM TERMINATOR	CT-01	TME	N/A	2015.01.06	2016.01.06
\boxtimes	EMI TEST RECEIVER	ESCI	ROHDE & SCHWARZ	100364	2014.02.27	2015.02.27
	ARTIFICIAL MAINS NETWORK	ESH2-Z5	ROHDE & SCHWARZ	828739/006	2014.09.11	2015.09.11
\boxtimes	LISN	LISN1600	TTI	197204	2014.06.27	2015.06.27
\boxtimes	50 OHM TERMINATOR	CT-01	TME	N/A	2015.01.06	2016.01.06

2. Radiated Disturbance

N	ame of Instrument	Model No.	Manufacturer	Serial No.	Cal. Date	Next Cal. Date
	MEASUREMENT SOFTWARE	EMI-R VER. 2.00.0121	TSJ	N/A	N/A	N/A
\boxtimes	EMI TEST RECEIVER	ESU	ROHDE & SCHWARZ	100014	2015.01.06	2016.01.06
\boxtimes	TRILOG BROADBAND TEST-ANTENNA	VULB9160	SCHWARZBECK	9160-3362	2014.07.31	2016.07.31
	HORN ANTENNA	BBHA 9120A	SCHWARZBECK	322	2014.05.12	2016.05.12
	AMPLIFIER	8447E	H/P	2945A02865	2015.01.06	2016.01.06
	PRE AMPLIFIER	8449B	AGILENT	3008A01590	2014.02.27	2015.02.27
	EMI TEST RECEIVER	ESCI	ROHDE & SCHWARZ	100364	2014.02.27	2015.02.27
	AMPLIFIER	MLA-100K01-B01-26	TSJ	1252741	2014.02.28	2015.02.28

FCC ID: YCO-IML-C4300W Report No.: DREFCC1503-0112 Total 28 pages

Appendix 2

Report Revision History

Revision	Description	Revised By	Revision
Date	Description		Reviewed By
None	Original	N/A	N/A