FCC CERTIFICATION TEST REPORT

REPORT NO.:	FD120327C08
MODEL NO.:	F-10D
RECEIVED:	Mar. 27, 2012
TESTED:	May 02 ~ May 07, 2012
ISSUED:	May 17, 2012

APPLICANT:	FUJITSU LIMITED
ADDRESS:	1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki 211-8588, Japan

ISSUED BY:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
LAB ADDRESS:	No. 47, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan (R.O.C)
TEST LOCATION:	No. 19, Hwa Ya 2nd Rd, Wen Hwa Tsuen, Kwei Shan Hsiang, Taoyuan Hsien 333, Taiwan, R.O.C.

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FD120327C08	Original release	May 17, 2012

1. CERTIFICATION

PRODUCT: Mobile Phone
MODEL: F-10D
BRAND: Xi
APPLICANT: FUJITSU LIMITED
TEST SAMPLE: ENGINEERING SAMPLE
TESTED: May 02 ~ May 07, 2012
STANDARDS: **FCC Part 15, Subpart B, Class B**

The above equipment (Model: F-10D) has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch,** and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

PREPARED BY : _____ , **DATE:** May 17, 2012
Polly Chien / Specialist

APPROVED BY : _____ , **DATE:** May 17, 2012
Gary Chang / Technical Manager

2. SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

Standard Section	Test Type	Result	Remark
FCC Part 15, Subpart B, Class B	Conducted Emission	PASS	Meet the requirement of limit. Minimum passing margin is -5.32dB at 0.57969MHz.
	Radiated Emission	PASS	Meet the requirement of limit. Minimum passing margin is -5.0dB at 479.03MHz.

2.1 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

MEASUREMENT	FREQUENCY	UNCERTAINTY
Conducted emissions	150kHz~30MHz	2.44 dB
Radiated emissions	30MHz ~ 200MHz	3.34 dB
	200MHz ~1000MHz	3.35 dB
	1GHz ~ 18GHz	2.26 dB
	18GHz ~ 40GHz	1.94 dB

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

EUT	Mobile Phone	
MODEL NO.	F-10D	
POWER SUPPLY	3.7Vdc (Li-ion battery) 5.0Vdc (Adapter)	
MODULATION TYPE	**WLAN**	CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM
	BLUETOOTH	GFSK, π/4-DQPSK, 8DPSK
	RFID	ASK
	GSM, GPRS	GMSK
	WCDMA	BPSK
FREQUENCY RANGE	**WLAN**	2412 ~ 2462MHz, 5180 ~ 5240MHz, 5260 ~ 5320MHz, 5500 ~ 5700MHz
	BLUETOOTH	2402 ~ 2480MHz
	RFID	13.56MHz
	GSM 850	824.2MHz ~ 848.8MHz
	PCS 1900	1850.2MHz ~ 1909.8MHz
	WCDMA 850	826.4MHz ~ 846.6MHz
ANTENNA TYPE	**WLAN**	**2.4GHz:** λ/4 Monopole Antenna with -9.6dBi gain
		5.0GHz: λ/4 Monopole Antenna with -6.9dBi gain (5180 ~ 5240MHz) λ/4 Monopole Antenna with -7.0dBi gain (5260 ~ 5320MHz) λ/4 Monopole Antenna with -6.5dBi gain (5500 ~ 5700MHz)
	BLUETOOTH	λ/4 Monopole Antenna with -6.9dBi gain
	RFID	Loop antenna
	GSM 850 **WCDMA 850**	λ/4 Monopole antenna with -7.65dBi gain
	PCS1900	λ/4 Monopole antenna with -4.44dBi gain
DATA CABLE	NA	
I/O PORTS	Refer to user's manual	
ACCESSORY DEVICES	Battery, adapter	

NOTE:

1. The frequency bands used in this EUT are listed as follows:

Frequency Band (MHz)	2412~2462	5180~5240	5260~5320	5500~5700
802.11b	√			
802.11g	√			
802.11a		√	√	√
802.11n (20MHz)	√	√	√	√

2. The EUT provides one completed transmitter and one receiver.

MODULATION MODE	TX FUNCTION
802.11b	1TX
802.11g	1TX
802.11a	1TX
802.11n (20MHz)	1TX

3. The EUT consumes power from the following internal Li-ion battery and wireless charger.

BATTERY	
BRAND	Fujitsu Limited
MODEL	F27
RATING	3.7Vdc, 1800mAh, 6.7Wh

WIRELESS CHARGER	
BRAND:	NTTdocomo
MODEL:	TA08017-B141
INPUT:	12Vdc, 650mA
OUTPUT:	5W MAX

ADAPTER (FOR WIRELESS CHARGER)	
BRAND:	NTTdocomo
MODEL:	TA08017-B142
INPUT:	100-240Vac, 50-60Hz, 18-24VA
OUTPUT:	12Vdc, 650mA
POWER LINE:	2m non-shielded cable with 1 core

4. The following accessory is for support units only.

PRODUCT	BRAND	MODEL	DESCRIPTION
Adapter	NTTdocomo	TA08017-B219	I/P: 100-240Vac, 50/60Hz, 0.22A O/P: 5.0Vdc, 1.8A
USB cable	NA	NA	1.1m non-shielded cable without core (for adapter used)
USB cable	NA	NA	0.8m non-shielded cable without core (for 15B USB mode used)

5. SW version is R20.4e.
6. HW version is V2.1.0.
7. IMEI Code: 352137050015977.
8. The above EUT information was declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or User's Manual.

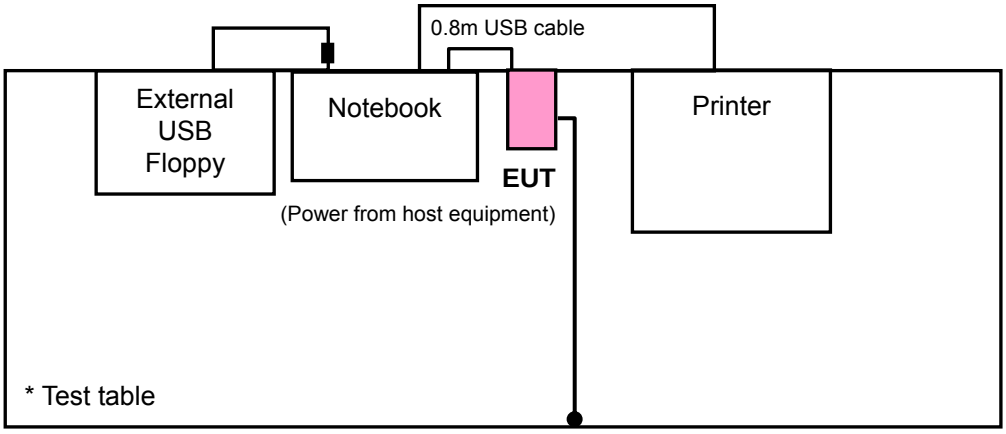
3.2 DESCRIPTION OF TEST MODES

Test modes are presented in the report as below.

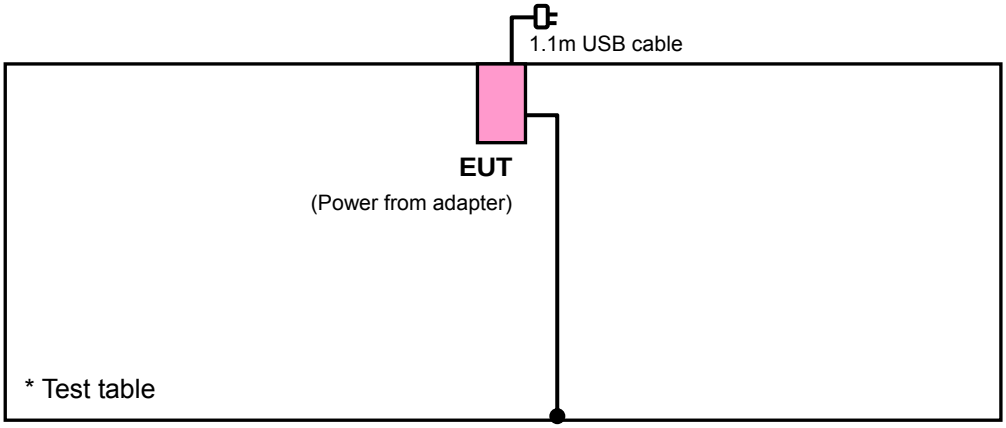
TEST MODE	DESCRIPTION	AXIS	TEST ITEM
A1	USB R/W + WIFI+ BT + Idle mode: GSM 850	X	All test items
A2		Y	Radiated emission test only
A3		Z	Radiated emission test only
B1	USB R/W + WIFI+ BT + Idle mode: GSM 1900	X	All test items
B2		Y	Radiated emission test only
B3		Z	Radiated emission test only
C1	USB R/W + WIFI+ BT + Idle mode: WCDMA 850	X	All test items
C2		Y	Radiated emission test only
C3		Z	Radiated emission test only
D1	GPS Rx	X	All test items
D2		Y	Radiated emission test only
D3		Z	Radiated emission test only
E	Wireless charger	X	All test items

3.2.1 CONFIGURATION OF SYSTEM UNDER TEST

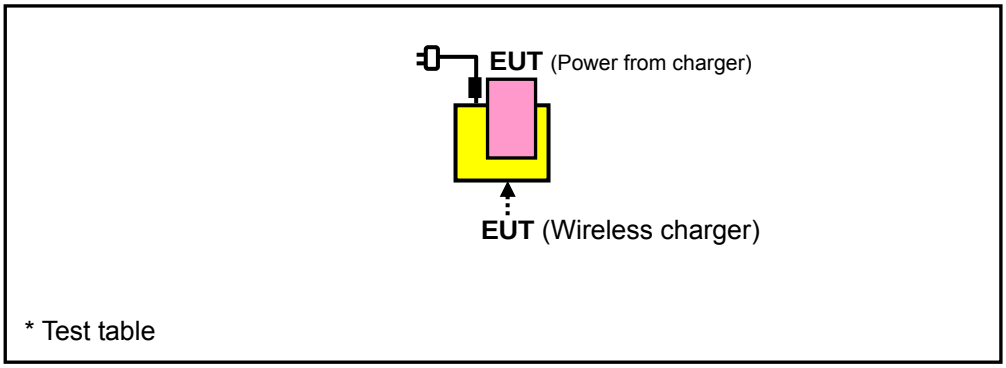
TEST MODE A1~A3, B1~B3, C1~C3



TEST MODE D1~D3



TEST MODE E



3.3 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	NOTEBOOK	DELL	E5420	NA	FCC DoC Approved
2	PRINTER	EPSON	B241A	FAPY139300	FCC DoC Approved
3	EXTERNAL USB FLOPPY	SONY	MPF82E	50010133	NA
4	EARPHONE	HTC	NA	NA	NA

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	NA
2	1.8m shielded cable, terminated with USB connector, w/o core.
3	1m shielded USB wire, with 1 core.
4	1.2m audio cable.

NOTE: All power cords of the above support units are non shielded (1.8m).

3.4 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is a RF Product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

FCC Part 15, Subpart B, Class B
ANSI C63.4-2003

All test items have been performed and recorded as per the above standards.

4. TEST TYPES AND RESULTS

4.1 RADIATED EMISSION MEASUREMENT

4.1.1 LIMITS OF RADIATED EMISSION MEASUREMENT

Emissions radiated outside of the specified bands, shall be according to the general radiated limits in 15.109 as following:

FREQUENCIES (MHz)	FIELD STRENGTH (microvolts/meter)	MEASUREMENT DISTANCE (meters)
30 ~ 88	100	3
88 ~ 216	150	3
216 ~ 960	200	3
Above 960	500	3

NOTE:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. As shown in 15.35(b), for frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.

4.1.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
Test Receiver ROHDE & SCHWARZ	ESIB7	100212	Aug. 02, 2011	Aug. 01, 2012
Spectrum Analyzer ROHDE & SCHWARZ	FSP40	100041	Jul. 21, 2011	Jul. 20, 2012
BILOG Antenna SCHWARZBECK	VULB9168	9168-472	Dec. 20, 2011	Dec. 19, 2012
HORN Antenna SCHWARZBECK	9120D	209	Aug. 25, 2011	Aug. 24, 2012
HORN Antenna SCHWARZBECK	BBHA 9170	148	Jul. 20, 2011	Jul. 19, 2012
Preamplifier Agilent	8447D	2944A10633	Oct. 29, 2011	Oct. 28, 2012
Preamplifier Agilent	8449B	3008A01964	Oct. 29, 2011	Oct. 28, 2012
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	250723/4	Aug. 30, 2011	Aug. 29, 2012
RF signal cable HUBER+SUHNNER	SUCOFLEX 106	12738/6+309224/4	Aug. 30, 2011	Aug. 29, 2012
Software ADT.	ADT_Radiated_ V7.6.15.9.2	NA	NA	NA
Antenna Tower inn-co GmbH	MA 4000	013303	NA	NA
Antenna Tower Controller inn-co GmbH	CO2000	017303	NA	NA
Turn Table ADT.	TT100	TT93021703	NA	NA
Turn Table Controller ADT.	SC100	SC93021703	NA	NA
26GHz ~ 40GHz Amplifier	EM26400	815221	Oct. 29, 2011	Oct. 28, 2012

NOTE: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

2. The test was performed in HwaYa Chamber 3.

3. The horn antenna and HP preamplifier (model: 8449B) are used only for the measurement of emission frequency above 1GHz if tested.

4. The FCC Site Registration No. is 988962.

5. The IC Site Registration No. is IC 7450F-3.

4.1.3 TEST PROCEDURES

a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

c. The antenna is a broadband antenna, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

f. If the emission level of the EUT in peak mode was lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

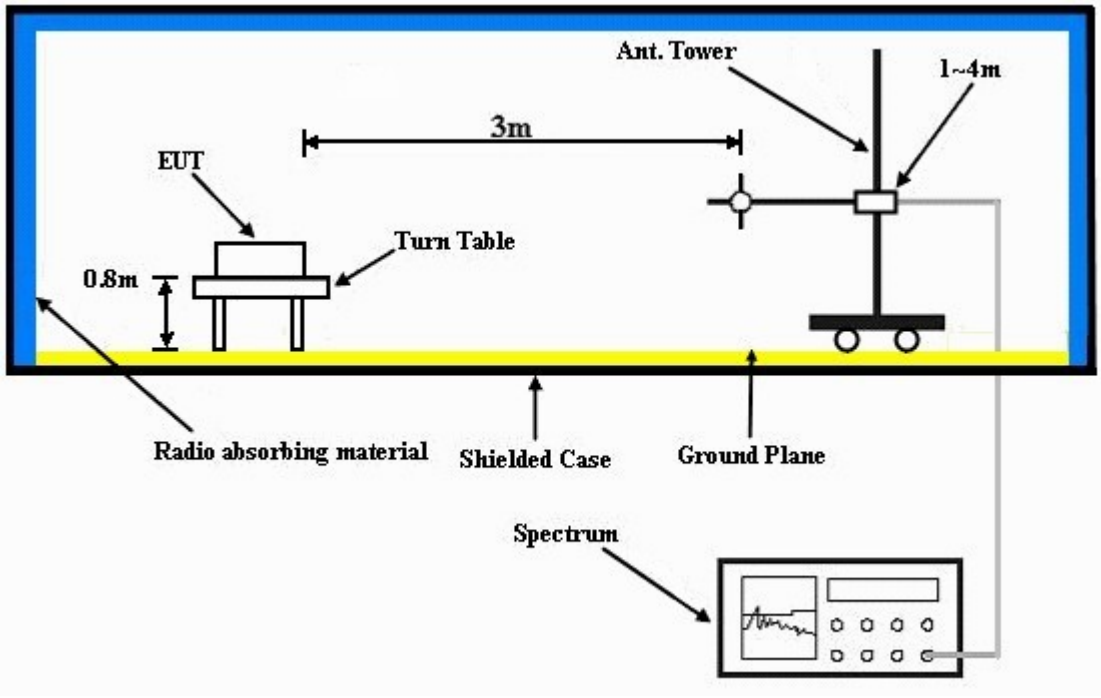
NOTE:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
3. All modes of operation were investigated and the worst-case emissions are reported.

4.1.4 DEVIATION FROM TEST STANDARD

No deviation.

4.1.5 TEST SETUP



For the actual test configuration, please refer to the attached file (Test Setup Photo).

4.1.6 EUT OPERATING CONDITIONS

TEST MODE A1~A3, B1~B3, C1~C3

a. Connected the EUT to a notebook and placed on a testing table.
b. Set WWAN in idle mode.
c. The notebook executes EMC TEST tool to read data and write data to microSD of EUT via USB cable.
d. The necessary accessories enable the system in full functions.

TEST MODE D1~D3

a. Placed the EUT with earphone on testing table.
b. Set the EUT under GPS RX condition.
c. The necessary accessories enable the system in full functions.

TEST MODE E

a. Set the EUT under charging condition.
b. The necessary accessories enable the system in full functions.

4.1.7 TEST RESULTS

ABOVE 1GHz DATA：

EUT TEST CONDITION		MEASUREMENT DETAIL	
INPUT POWER (SYSTEM)	120Vac, 60Hz	FREQUENCY RANGE	1 ~ 12.5GHz
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH	DETECTOR FUNCTION	Peak (PK) Average (AV)
TESTED BY	Aska Huang	TEST MODE	A1

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	1590.00	37.4 PK	74.0	-36.6	1.00 H	153	8.30	29.10
2	1590.00	26.8 AV	54.0	-27.2	1.00 H	153	-2.30	29.10
3	2666.00	40.0 PK	74.0	-34.0	1.00 H	360	7.80	32.20
4	2666.00	28.0 AV	54.0	-26.0	1.00 H	360	-4.20	32.20
5	3198.00	43.6 PK	74.0	-30.4	1.00 H	138	10.30	33.30
6	3198.00	31.1 AV	54.0	-22.9	1.00 H	138	-2.20	33.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	1590.00	39.6 PK	74.0	-34.4	1.00 V	183	10.50	29.10
2	1590.00	31.0 AV	54.0	-23.0	1.00 V	183	1.90	29.10
3	2666.00	39.9 PK	74.0	-34.1	1.00 V	214	7.70	32.20
4	2666.00	27.7 AV	54.0	-26.3	1.00 V	214	-4.50	32.20
5	3198.00	43.9 PK	74.0	-30.1	1.00 V	344	10.60	33.30
6	3198.00	30.5 AV	54.0	-23.5	1.00 V	344	-2.80	33.30

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

EUT TEST CONDITION		MEASUREMENT DETAIL	
INPUT POWER (SYSTEM)	120Vac, 60Hz	FREQUENCY RANGE	1 ~ 12.5GHz
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH	DETECTOR FUNCTION	Peak (PK) Average (AV)
TESTED BY	Aska Huang	TEST MODE	A2

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	1590.00	37.3 PK	74.0	-36.7	1.00 H	123	8.20	29.10
2	1590.00	27.4 AV	54.0	-26.6	1.00 H	123	-1.70	29.10
3	2666.00	40.2 PK	74.0	-33.8	1.00 H	351	8.00	32.20
4	2666.00	27.9 AV	54.0	-26.1	1.00 H	351	-4.30	32.20
5	3198.00	42.8 PK	74.0	-31.2	1.00 H	185	9.50	33.30
6	3198.00	30.3 AV	54.0	-23.7	1.00 H	185	-3.00	33.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	1590.00	39.2 PK	74.0	-34.8	1.05 V	188	10.10	29.10
2	1590.00	30.5 AV	54.0	-23.5	1.05 V	188	1.40	29.10
3	2666.00	40.0 PK	74.0	-34.0	1.00 V	74	7.80	32.20
4	2666.00	27.6 AV	54.0	-26.4	1.00 V	74	-4.60	32.20
5	3198.00	43.6 PK	74.0	-30.4	1.00 V	247	10.30	33.30
6	3198.00	30.3 AV	54.0	-23.7	1.00 V	247	-3.00	33.30

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

EUT TEST CONDITION		MEASUREMENT DETAIL	
INPUT POWER (SYSTEM)	120Vac, 60Hz	FREQUENCY RANGE	1 ~ 12.5GHz
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH	DETECTOR FUNCTION	Peak (PK) Average (AV)
TESTED BY	Aska Huang	TEST MODE	A3

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	1590.00	38.9 PK	74.0	-35.1	1.00 H	40	9.80	29.10
2	1590.00	26.5 AV	54.0	-27.5	1.00 H	40	-2.60	29.10
3	2666.00	40.5 PK	74.0	-33.5	1.00 H	312	8.30	32.20
4	2666.00	27.5 AV	54.0	-26.5	1.00 H	312	-4.70	32.20
5	3198.00	42.6 PK	74.0	-31.4	1.00 H	55	9.30	33.30
6	3198.00	30.6 AV	54.0	-23.4	1.00 H	55	-2.70	33.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	1590.00	38.5 PK	74.0	-35.5	1.00 V	189	9.40	29.10
2	1590.00	30.5 AV	54.0	-23.5	1.00 V	189	1.40	29.10
3	2660.00	40.1 PK	74.0	-33.9	1.00 V	166	7.90	32.20
4	2660.00	28.0 AV	54.0	-26.0	1.00 V	166	-4.20	32.20
5	3198.00	42.7 PK	74.0	-31.3	1.00 V	263	9.40	33.30
6	3198.00	30.1 AV	54.0	-23.9	1.00 V	263	-3.20	33.30

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

EUT TEST CONDITION		MEASUREMENT DETAIL	
INPUT POWER (SYSTEM)	120Vac, 60Hz	FREQUENCY RANGE	1 ~ 12.5GHz
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH	DETECTOR FUNCTION	Peak (PK) Average (AV)
TESTED BY	Aska Huang	TEST MODE	B1

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	1590.00	37.8 PK	74.0	-36.2	1.00 H	162	8.70	29.10
2	1590.00	26.0 AV	54.0	-28.0	1.00 H	162	-3.10	29.10
3	2666.00	40.8 PK	74.0	-33.2	1.00 H	351	8.60	32.20
4	2666.00	27.8 AV	54.0	-26.2	1.00 H	351	-4.40	32.20
5	3198.00	42.9 PK	74.0	-31.1	1.00 H	142	9.60	33.30
6	3198.00	30.5 AV	54.0	-23.5	1.00 H	142	-2.80	33.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	1590.00	37.5 PK	74.0	-36.5	1.00 V	191	8.40	29.10
2	1590.00	29.4 AV	54.0	-24.6	1.00 V	191	0.30	29.10
3	2666.00	39.4 PK	74.0	-34.6	1.00 V	224	7.20	32.20
4	2666.00	27.7 AV	54.0	-26.3	1.00 V	224	-4.50	32.20
5	3198.00	44.1 PK	74.0	-29.9	1.00 V	327	10.80	33.30
6	3198.00	30.7 AV	54.0	-23.3	1.00 V	327	-2.60	33.30

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

EUT TEST CONDITION		MEASUREMENT DETAIL	
INPUT POWER (SYSTEM)	120Vac, 60Hz	FREQUENCY RANGE	1 ~ 12.5GHz
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH	DETECTOR FUNCTION	Peak (PK) Average (AV)
TESTED BY	Aska Huang	TEST MODE	B2

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	1590.00	37.5 PK	74.0	-36.5	1.00 H	121	8.40	29.10
2	1590.00	29.4 AV	54.0	-24.6	1.00 H	121	0.30	29.10
3	2666.00	41.5 PK	74.0	-32.5	1.00 H	344	9.30	32.20
4	2666.00	27.8 AV	54.0	-26.2	1.00 H	344	-4.40	32.20
5	3198.00	43.7 PK	74.0	-30.3	1.00 H	188	10.40	33.30
6	3198.00	30.5 AV	54.0	-23.5	1.00 H	188	-2.80	33.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	1590.00	38.0 PK	74.0	-36.0	1.00 V	191	8.90	29.10
2	1590.00	29.1 AV	54.0	-24.9	1.00 V	191	0.00	29.10
3	2666.00	40.5 PK	74.0	-33.5	1.00 V	82	8.30	32.20
4	2666.00	27.9 AV	54.0	-26.1	1.00 V	82	-4.30	32.20
5	3198.00	44.0 PK	74.0	-30.0	1.00 V	251	10.70	33.30
6	3198.00	30.5 AV	54.0	-23.5	1.00 V	251	-2.80	33.30

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

EUT TEST CONDITION		MEASUREMENT DETAIL	
INPUT POWER (SYSTEM)	120Vac, 60Hz	FREQUENCY RANGE	1 ~ 12.5GHz
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH	DETECTOR FUNCTION	Peak (PK) Average (AV)
TESTED BY	Aska Huang	TEST MODE	B3

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	1590.00	38.8 PK	74.0	-35.2	1.00 H	55	9.70	29.10
2	1590.00	26.3 AV	54.0	-27.7	1.00 H	55	-2.80	29.10
3	2666.00	39.9 PK	74.0	-34.1	1.00 H	298	7.70	32.20
4	2666.00	28.1 AV	54.0	-25.9	1.00 H	298	-4.10	32.20
5	3198.00	44.3 PK	74.0	-29.7	1.00 H	55	11.00	33.30
6	3198.00	30.6 AV	54.0	-23.4	1.00 H	55	-2.70	33.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	1590.00	38.7 PK	74.0	-35.3	1.00 V	196	9.60	29.10
2	1590.00	30.8 AV	54.0	-23.2	1.00 V	196	1.70	29.10
3	2666.00	43.0 PK	74.0	-31.0	1.00 V	25	10.80	32.20
4	2666.00	29.6 AV	54.0	-24.4	1.00 V	25	-2.60	32.20
5	3198.00	44.7 PK	74.0	-29.3	1.00 V	273	11.40	33.30
6	3198.00	30.8 AV	54.0	-23.2	1.00 V	273	-2.50	33.30

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

EUT TEST CONDITION		MEASUREMENT DETAIL	
INPUT POWER (SYSTEM)	120Vac, 60Hz	FREQUENCY RANGE	1 ~ 12.5GHz
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH	DETECTOR FUNCTION	Peak (PK) Average (AV)
TESTED BY	Aska Huang	TEST MODE	C1

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	1590.00	37.6 PK	74.0	-36.4	1.00 H	166	8.50	29.10
2	1590.00	27.4 AV	54.0	-26.6	1.00 H	166	-1.70	29.10
3	2666.00	40.8 PK	74.0	-33.2	1.00 H	341	8.60	32.20
4	2666.00	28.0 AV	54.0	-26.0	1.00 H	341	-4.20	32.20
5	3198.00	42.8 PK	74.0	-31.2	1.00 H	142	9.50	33.30
6	3198.00	30.3 AV	54.0	-23.7	1.00 H	142	-3.00	33.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	1590.00	37.5 PK	74.0	-36.5	1.00 V	178	8.40	29.10
2	1590.00	29.5 AV	54.0	-24.5	1.00 V	178	0.40	29.10
3	2666.00	39.9 PK	74.0	-34.1	1.00 V	221	7.70	32.20
4	2666.00	28.2 AV	54.0	-25.8	1.00 V	221	-4.00	32.20
5	3198.00	45.0 PK	74.0	-29.0	1.00 V	351	11.70	33.30
6	3198.00	30.3 AV	54.0	-23.7	1.00 V	351	-3.00	33.30

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

EUT TEST CONDITION		MEASUREMENT DETAIL	
INPUT POWER (SYSTEM)	120Vac, 60Hz	FREQUENCY RANGE	1 ~ 12.5GHz
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH	DETECTOR FUNCTION	Peak (PK) Average (AV)
TESTED BY	Aska Huang	TEST MODE	C2

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	1590.00	39.4 PK	74.0	-34.6	1.00 H	134	10.30	29.10
2	1590.00	27.4 AV	54.0	-26.6	1.00 H	134	-1.70	29.10
3	2666.00	40.0 PK	74.0	-34.0	1.00 H	138	7.80	32.20
4	2666.00	27.9 AV	54.0	-26.1	1.00 H	138	-4.30	32.20
5	3198.00	43.7 PK	74.0	-30.3	1.00 H	188	10.40	33.30
6	3198.00	29.7 AV	54.0	-24.3	1.00 H	188	-3.60	33.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	1590.00	40.0 PK	74.0	-34.0	1.02 V	175	10.90	29.10
2	1590.00	29.1 AV	54.0	-24.9	1.02 V	175	0.00	29.10
3	2666.00	40.3 PK	74.0	-33.7	1.00 V	82	8.10	32.20
4	2666.00	27.8 AV	54.0	-26.2	1.00 V	82	-4.40	32.20
5	3198.00	41.5 PK	74.0	-32.5	1.00 V	244	8.20	33.30
6	3198.00	29.0 AV	54.0	-25.0	1.00 V	244	-4.30	33.30

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

EUT TEST CONDITION		MEASUREMENT DETAIL	
INPUT POWER (SYSTEM)	120Vac, 60Hz	FREQUENCY RANGE	1 ~ 12.5GHz
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH	DETECTOR FUNCTION	Peak (PK) Average (AV)
TESTED BY	Aska Huang	TEST MODE	C3

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	1590.00	39.0 PK	74.0	-35.0	1.00 H	49	9.90	29.10
2	1590.00	27.2 AV	54.0	-26.8	1.00 H	49	-1.90	29.10
3	2666.00	40.3 PK	74.0	-33.7	1.00 H	306	8.10	32.20
4	2666.00	27.8 AV	54.0	-26.2	1.00 H	306	-4.40	32.20
5	3198.00	43.1 PK	74.0	-30.9	1.00 H	73	9.80	33.30
6	3198.00	30.2 AV	54.0	-23.8	1.00 H	73	-3.10	33.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	1590.00	40.1 PK	74.0	-33.9	1.00 V	182	11.00	29.10
2	1590.00	29.8 AV	54.0	-24.2	1.00 V	182	0.70	29.10
3	2666.00	40.5 PK	74.0	-33.5	1.00 V	162	8.30	32.20
4	2666.00	27.7 AV	54.0	-26.3	1.00 V	162	-4.50	32.20
5	3198.00	46.1 PK	74.0	-27.9	1.00 V	271	12.80	33.30
6	3198.00	30.4 AV	54.0	-23.6	1.00 V	271	-2.90	33.30

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

EUT TEST CONDITION		MEASUREMENT DETAIL	
INPUT POWER (SYSTEM)	120Vac, 60Hz	FREQUENCY RANGE	1 ~ 12.5GHz
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH	DETECTOR FUNCTION	Peak (PK) Average (AV)
TESTED BY	Aska Huang	TEST MODE	D1

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	1734.00	37.6 PK	74.0	-36.4	1.00 H	252	8.20	29.40
2	1734.00	25.4 AV	54.0	-28.6	1.00 H	252	-4.00	29.40
3	2960.00	40.7 PK	74.0	-33.3	1.00 H	163	7.70	33.00
4	2960.00	28.3 AV	54.0	-25.7	1.00 H	163	-4.70	33.00
5	3160.00	43.1 PK	74.0	-30.9	1.00 H	185	9.80	33.30
6	3160.00	30.1 AV	54.0	-23.9	1.00 H	185	-3.20	33.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	1734.00	38.9 PK	74.0	-35.1	1.00 V	122	9.50	29.40
2	1734.00	25.3 AV	54.0	-28.7	1.00 V	122	-4.10	29.40
3	2960.00	41.2 PK	74.0	-32.8	1.00 V	196	8.20	33.00
4	2960.00	28.6 AV	54.0	-25.4	1.00 V	196	-4.40	33.00
5	3160.00	42.4 PK	74.0	-31.6	1.00 V	158	9.10	33.30
6	3160.00	29.0 AV	54.0	-25.0	1.00 V	158	-4.30	33.30

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

EUT TEST CONDITION		MEASUREMENT DETAIL	
INPUT POWER (SYSTEM)	120Vac, 60Hz	FREQUENCY RANGE	1 ~ 12.5GHz
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH	DETECTOR FUNCTION	Peak (PK) Average (AV)
TESTED BY	Aska Huang	TEST MODE	D2

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	1734.00	37.2 PK	74.0	-36.8	1.00 H	74	7.80	29.40
2	1734.00	25.4 AV	54.0	-28.6	1.00 H	74	-4.00	29.40
3	2960.00	41.2 PK	74.0	-32.8	1.00 H	145	8.20	33.00
4	2960.00	28.5 AV	54.0	-25.5	1.00 H	145	-4.50	33.00
5	3160.00	43.6 PK	74.0	-30.4	1.00 H	288	10.30	33.30
6	3160.00	30.0 AV	54.0	-24.0	1.00 H	288	-3.30	33.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	1734.00	37.8 PK	74.0	-36.2	1.00 V	125	8.40	29.40
2	1734.00	24.9 AV	54.0	-29.1	1.00 V	125	-4.50	29.40
3	2960.00	40.0 PK	74.0	-34.0	1.00 V	310	7.00	33.00
4	2960.00	28.5 AV	54.0	-25.5	1.00 V	310	-4.50	33.00
5	3160.00	43.0 PK	74.0	-31.0	1.00 V	167	9.70	33.30
6	3160.00	30.1 AV	54.0	-23.9	1.00 V	167	-3.20	33.30

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

EUT TEST CONDITION		MEASUREMENT DETAIL	
INPUT POWER (SYSTEM)	120Vac, 60Hz	FREQUENCY RANGE	1 ~ 12.5GHz
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH	DETECTOR FUNCTION	Peak (PK) Average (AV)
TESTED BY	Aska Huang	TEST MODE	D3

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	1734.00	38.4 PK	74.0	-35.6	1.00 H	99	9.00	29.40
2	1734.00	25.3 AV	54.0	-28.7	1.00 H	99	-4.10	29.40
3	2960.00	40.5 PK	74.0	-33.5	1.00 H	53	7.50	33.00
4	2960.00	28.4 AV	54.0	-25.6	1.00 H	53	-4.60	33.00
5	3160.00	43.2 PK	74.0	-30.8	1.00 H	214	9.90	33.30
6	3160.00	30.0 AV	54.0	-24.0	1.00 H	214	-3.30	33.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	1734.00	37.4 PK	74.0	-36.6	1.00 V	211	8.00	29.40
2	1734.00	25.5 AV	54.0	-28.5	1.00 V	211	-3.90	29.40
3	2960.00	40.7 PK	74.0	-33.3	1.00 V	137	7.70	33.00
4	2960.00	28.3 AV	54.0	-25.7	1.00 V	137	-4.70	33.00
5	3160.00	43.4 PK	74.0	-30.6	1.00 V	259	10.10	33.30
6	3160.00	30.1 AV	54.0	-23.9	1.00 V	259	-3.20	33.30

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

BELOW 1GHz WORST-CASE DATA

EUT TEST CONDITION		MEASUREMENT DETAIL	
INPUT POWER (SYSTEM)	120Vac, 60 Hz	FREQUENCY RANGE	Below 1000MHz
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH	DETECTOR FUNCTION	Quasi-Peak
TESTED BY	Aska Huang	TEST MODE	A1

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	99.89	35.5 QP	43.5	-8.0	1.99 H	181	26.10	9.40
2	166.00	32.0 QP	43.5	-11.5	1.50 H	36	18.20	13.80
3	232.11	31.7 QP	46.0	-14.3	1.50 H	157	19.40	12.30
4	335.15	32.5 QP	46.0	-13.5	1.00 H	278	16.60	15.90
5	624.85	30.7 QP	46.0	-15.3	1.24 H	272	8.40	22.30
6	747.34	31.3 QP	46.0	-14.7	1.24 H	15	7.10	24.20
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	99.89	29.1 QP	43.5	-14.4	1.50 V	216	19.70	9.40
2	199.05	33.8 QP	43.5	-9.7	1.24 V	15	22.70	11.10
3	445.98	29.4 QP	46.0	-16.6	1.24 V	15	10.80	18.60
4	479.03	37.0 QP	46.0	-9.0	1.24 V	15	17.60	19.40
5	716.23	35.8 QP	46.0	-10.2	1.24 V	339	12.40	23.40
6	961.21	38.8 QP	54.0	-15.2	1.00 V	107	11.40	27.40

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

EUT TEST CONDITION		MEASUREMENT DETAIL	
INPUT POWER (SYSTEM)	120Vac, 60 Hz	FREQUENCY RANGE	Below 1000MHz
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH	DETECTOR FUNCTION	Quasi-Peak
TESTED BY	Aska Huang	TEST MODE	A2

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	99.89	36.5 QP	43.5	-7.0	2.00 H	202	27.10	9.40
2	195.16	36.0 QP	43.5	-7.5	1.00 H	331	24.60	11.40
3	298.21	32.0 QP	46.0	-14.0	1.00 H	36	17.10	14.90
4	335.15	32.6 QP	46.0	-13.4	1.00 H	162	16.70	15.90
5	479.03	38.0 QP	46.0	-8.0	1.50 H	265	18.60	19.40
6	961.21	43.0 QP	54.0	-11.0	1.24 H	268	15.60	27.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	99.89	30.2 QP	43.5	-13.3	1.49 V	219	20.80	9.40
2	195.16	27.0 QP	43.5	-16.5	1.99 V	118	15.60	11.40
3	335.15	25.8 QP	46.0	-20.2	1.99 V	330	9.90	15.90
4	479.03	34.6 QP	46.0	-11.4	1.99 V	189	15.20	19.40
5	665.68	29.0 QP	46.0	-17.0	1.25 V	226	6.30	22.70
6	961.21	38.9 QP	54.0	-15.1	1.99 V	258	11.50	27.40

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

EUT TEST CONDITION		MEASUREMENT DETAIL	
INPUT POWER (SYSTEM)	120Vac, 60 Hz	FREQUENCY RANGE	Below 1000MHz
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH	DETECTOR FUNCTION	Quasi-Peak
TESTED BY	Aska Huang	TEST MODE	A3

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	99.89	37.8 QP	43.5	-5.7	2.00 H	200	28.40	9.40
2	175.72	31.1 QP	43.5	-12.4	2.00 H	222	18.00	13.10
3	284.60	31.9 QP	46.0	-14.1	1.00 H	110	17.50	14.40
4	327.38	21.5 QP	46.0	-24.5	1.00 H	172	5.80	15.70
5	432.37	27.6 QP	46.0	-18.4	2.00 H	299	9.30	18.30
6	749.29	29.7 QP	46.0	-16.3	1.25 H	234	5.40	24.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	99.89	31.6 QP	43.5	-11.9	1.24 V	247	22.20	9.40
2	195.16	30.2 QP	43.5	-13.3	1.00 V	156	18.80	11.40
3	479.03	37.6 QP	46.0	-8.4	1.24 V	180	18.20	19.40
4	624.85	32.9 QP	46.0	-13.1	1.00 V	5	10.60	22.30
5	708.46	34.2 QP	46.0	-11.8	1.24 V	201	11.00	23.20
6	961.21	38.4 QP	54.0	-15.6	1.24 V	255	11.00	27.40

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

EUT TEST CONDITION		MEASUREMENT DETAIL	
INPUT POWER (SYSTEM)	120Vac, 60 Hz	FREQUENCY RANGE	Below 1000MHz
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH	DETECTOR FUNCTION	Quasi-Peak
TESTED BY	Aska Huang	TEST MODE	B1

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	99.12	35.5 QP	43.5	-8.0	2.00 H	175	26.20	9.30
2	166.23	32.0 QP	43.5	-11.5	1.50 H	41	18.20	13.80
3	232.53	31.7 QP	46.0	-14.3	1.25 H	166	19.40	12.30
4	334.92	32.5 QP	46.0	-13.5	1.00 H	281	16.60	15.90
5	624.91	30.7 QP	46.0	-15.3	1.25 H	280	8.40	22.30
6	747.56	31.3 QP	46.0	-14.7	1.25 H	22	7.00	24.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	119.34	29.1 QP	43.5	-14.4	1.00 V	261	17.30	11.80
2	199.21	33.8 QP	43.5	-9.7	1.25 V	22	22.70	11.10
3	479.21	37.0 QP	46.0	-9.0	1.25 V	23	17.50	19.50
4	667.81	30.4 QP	46.0	-15.6	1.50 V	228	7.70	22.70
5	716.53	35.8 QP	46.0	-10.2	1.25 V	337	12.40	23.40
6	961.42	38.8 QP	54.0	-15.2	1.00 V	110	11.40	27.40

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

EUT TEST CONDITION		MEASUREMENT DETAIL	
INPUT POWER (SYSTEM)	120Vac, 60 Hz	FREQUENCY RANGE	Below 1000MHz
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH	DETECTOR FUNCTION	Quasi-Peak
TESTED BY	Aska Huang	TEST MODE	B2

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	99.89	36.4 QP	43.5	-7.1	2.00 H	201	27.00	9.40
2	195.16	36.5 QP	43.5	-7.0	1.00 H	335	25.10	11.40
3	298.21	32.3 QP	46.0	-13.7	1.00 H	36	17.40	14.90
4	335.15	32.8 QP	46.0	-13.2	1.00 H	168	16.90	15.90
5	479.03	37.8 QP	46.0	-8.2	1.50 H	265	18.40	19.40
6	961.21	43.5 QP	54.0	-10.5	1.25 H	271	16.10	27.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	99.75	30.2 QP	43.5	-13.3	1.50 V	223	20.80	9.40
2	195.37	27.0 QP	43.5	-16.5	2.00 V	132	15.60	11.40
3	335.12	25.8 QP	46.0	-20.2	2.00 V	335	9.90	15.90
4	479.12	34.6 QP	46.0	-11.4	2.00 V	192	15.10	19.50
5	665.83	29.0 QP	46.0	-17.0	1.25 V	231	6.30	22.70
6	961.25	38.9 QP	54.0	-15.1	2.00 V	262	11.50	27.40

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

EUT TEST CONDITION		MEASUREMENT DETAIL	
INPUT POWER (SYSTEM)	120Vac, 60 Hz	FREQUENCY RANGE	Below 1000MHz
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH	DETECTOR FUNCTION	Quasi-Peak
TESTED BY	Aska Huang	TEST MODE	B3

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	99.89	37.4 QP	43.5	-6.1	2.00 H	188	28.00	9.40
2	177.67	31.5 QP	43.5	-12.0	2.00 H	189	18.60	12.90
3	284.60	31.6 QP	46.0	-14.4	1.00 H	122	17.20	14.40
4	327.38	21.2 QP	46.0	-24.8	1.00 H	165	5.50	15.70
5	475.14	27.2 QP	46.0	-18.8	1.25 H	209	7.80	19.40
6	663.74	29.6 QP	46.0	-16.4	1.00 H	126	6.90	22.70
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	99.89	31.4 QP	43.5	-12.1	1.25 V	251	22.00	9.40
2	195.16	30.2 QP	43.5	-13.3	1.00 V	161	18.80	11.40
3	479.03	38.1 QP	46.0	-7.9	1.25 V	173	18.70	19.40
4	624.85	33.2 QP	46.0	-12.8	1.00 V	21	10.90	22.30
5	716.23	34.5 QP	46.0	-11.5	1.25 V	221	11.10	23.40
6	961.21	38.1 QP	54.0	-15.9	1.25 V	243	10.70	27.40

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

EUT TEST CONDITION		MEASUREMENT DETAIL	
INPUT POWER (SYSTEM)	120Vac, 60 Hz	FREQUENCY RANGE	Below 1000MHz
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH	DETECTOR FUNCTION	Quasi-Peak
TESTED BY	Aska Huang	TEST MODE	C1

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	99.89	35.8 QP	43.5	-7.7	2.00 H	188	26.40	9.40
2	195.16	34.9 QP	43.5	-8.6	2.00 H	239	23.50	11.40
3	335.15	31.7 QP	46.0	-14.3	1.00 H	296	15.80	15.90
4	**479.03**	**41.0 QP**	**46.0**	**-5.0**	**1.50 H**	**207**	**21.60**	**19.40**
5	716.23	33.6 QP	46.0	-12.4	2.00 H	192	10.20	23.40
6	961.21	43.6 QP	54.0	-10.4	1.24 H	296	16.20	27.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	99.89	28.2 QP	43.5	-15.3	1.50 V	238	18.80	9.40
2	166.00	30.1 QP	43.5	-13.4	1.00 V	153	16.30	13.80
3	335.15	25.4 QP	46.0	-20.6	1.99 V	183	9.50	15.90
4	479.03	38.4 QP	46.0	-7.6	1.00 V	146	19.00	19.40
5	720.12	34.4 QP	46.0	-11.6	1.00 V	322	10.90	23.50
6	961.21	38.8 QP	54.0	-15.2	1.00 V	97	11.40	27.40

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

EUT TEST CONDITION		MEASUREMENT DETAIL	
INPUT POWER (SYSTEM)	120Vac, 60 Hz	FREQUENCY RANGE	Below 1000MHz
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH	DETECTOR FUNCTION	Quasi-Peak
TESTED BY	Aska Huang	TEST MODE	C2

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	99.89	36.8 QP	43.5	-6.7	2.00 H	202	27.40	9.40
2	193.22	36.9 QP	43.5	-6.6	1.49 H	211	25.40	11.50
3	335.15	33.6 QP	46.0	-12.4	1.00 H	290	17.70	15.90
4	479.03	40.0 QP	46.0	-6.0	2.00 H	288	20.60	19.40
5	624.85	32.1 QP	46.0	-13.9	1.25 H	19	9.80	22.30
6	961.21	40.8 QP	54.0	-13.2	1.49 H	259	13.40	27.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	99.89	29.2 QP	43.5	-14.3	1.24 V	225	19.80	9.40
2	195.16	33.7 QP	43.5	-9.8	1.00 V	11	22.30	11.40
3	335.15	26.7 QP	46.0	-19.3	1.99 V	324	10.80	15.90
4	479.03	34.2 QP	46.0	-11.8	1.00 V	23	14.80	19.40
5	624.85	29.1 QP	46.0	-16.9	1.00 V	11	6.80	22.30
6	663.74	28.6 QP	46.0	-17.4	1.00 V	11	5.90	22.70

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

EUT TEST CONDITION		MEASUREMENT DETAIL	
INPUT POWER (SYSTEM)	120Vac, 60 Hz	FREQUENCY RANGE	Below 1000MHz
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH	DETECTOR FUNCTION	Quasi-Peak
TESTED BY	Aska Huang	TEST MODE	C3

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	99.89	36.3 QP	43.5	-7.2	1.99 H	207	26.90	9.40
2	193.22	37.7 QP	43.5	-5.8	1.25 H	233	26.20	11.50
3	239.88	33.0 QP	46.0	-13.0	1.50 H	12	20.40	12.60
4	479.03	38.7 QP	46.0	-7.3	1.99 H	117	19.30	19.40
5	716.23	31.0 QP	46.0	-15.0	1.99 H	105	7.60	23.40
6	961.21	42.4 QP	54.0	-11.6	1.50 H	85	15.00	27.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	99.89	31.4 QP	43.5	-12.1	1.24 V	241	22.00	9.40
2	195.16	30.0 QP	43.5	-13.5	1.00 V	203	18.60	11.40
3	296.27	30.2 QP	46.0	-15.8	1.24 V	177	15.40	14.80
4	479.03	36.3 QP	46.0	-9.7	1.24 V	4	16.90	19.40
5	832.89	32.1 QP	46.0	-13.9	1.50 V	4	6.10	26.00
6	961.21	41.8 QP	54.0	-12.2	1.00 V	254	14.40	27.40

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

EUT TEST CONDITION		MEASUREMENT DETAIL	
INPUT POWER (SYSTEM)	120Vac, 60 Hz	FREQUENCY RANGE	Below 1000MHz
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH	DETECTOR FUNCTION	Quasi-Peak
TESTED BY	Aska Huang	TEST MODE	D1

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	181.55	29.7 QP	43.5	-13.8	2.00 H	103	17.20	12.50
2	284.60	27.8 QP	46.0	-18.2	1.00 H	264	13.40	14.40
3	519.86	26.9 QP	46.0	-19.1	1.49 H	125	6.50	20.40
4	572.36	28.2 QP	46.0	-17.8	1.49 H	119	6.70	21.50
5	624.85	31.3 QP	46.0	-14.7	1.24 H	117	9.00	22.30
6	727.90	26.9 QP	46.0	-19.1	1.00 H	142	3.20	23.70
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	31.84	27.0 QP	40.0	-13.0	1.24 V	261	15.00	12.00
2	72.67	21.2 QP	40.0	-18.8	2.00 V	254	9.50	11.70
3	181.55	19.3 QP	43.5	-24.2	2.00 V	48	6.80	12.50
4	284.60	18.8 QP	46.0	-27.2	1.00 V	155	4.40	14.40
5	519.86	22.6 QP	46.0	-23.4	2.00 V	168	2.20	20.40
6	624.85	27.1 QP	46.0	-18.9	1.00 V	138	4.80	22.30

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

EUT TEST CONDITION		MEASUREMENT DETAIL	
INPUT POWER (SYSTEM)	120Vac, 60 Hz	FREQUENCY RANGE	Below 1000MHz
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH	DETECTOR FUNCTION	Quasi-Peak
TESTED BY	Aska Huang	TEST MODE	D2

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	181.55	27.6 QP	43.5	-15.9	1.50 H	267	15.10	12.50
2	284.60	24.8 QP	46.0	-21.2	1.00 H	262	10.40	14.40
3	519.86	25.5 QP	46.0	-20.5	1.50 H	102	5.10	20.40
4	572.36	27.9 QP	46.0	-18.1	1.50 H	199	6.40	21.50
5	624.85	32.8 QP	46.0	-13.2	1.25 H	122	10.50	22.30
6	881.50	35.6 QP	46.0	-10.4	1.25 H	119	9.00	26.60
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	31.84	27.9 QP	40.0	-12.1	1.50 V	154	15.90	12.00
2	76.56	22.6 QP	40.0	-17.4	1.99 V	269	11.90	10.70
3	148.50	16.5 QP	43.5	-27.0	1.50 V	340	2.40	14.10
4	181.55	18.9 QP	43.5	-24.6	1.99 V	46	6.40	12.50
5	519.86	24.6 QP	46.0	-21.4	1.50 V	170	4.20	20.40
6	624.85	26.5 QP	46.0	-19.5	1.24 V	136	4.20	22.30

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

EUT TEST CONDITION		MEASUREMENT DETAIL	
INPUT POWER (SYSTEM)	120Vac, 60 Hz	FREQUENCY RANGE	Below 1000MHz
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH	DETECTOR FUNCTION	Quasi-Peak
TESTED BY	Aska Huang	TEST MODE	D3

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	181.55	28.6 QP	43.5	-14.9	1.49 H	277	16.10	12.50
2	284.60	28.0 QP	46.0	-18.0	1.00 H	101	13.60	14.40
3	389.59	22.1 QP	46.0	-23.9	1.00 H	75	4.80	17.30
4	519.86	26.3 QP	46.0	-19.7	1.49 H	118	5.90	20.40
5	572.36	28.4 QP	46.0	-17.6	1.24 H	129	6.90	21.50
6	624.85	29.6 QP	46.0	-16.4	1.24 H	119	7.30	22.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	31.84	24.9 QP	40.0	-15.1	1.50 V	253	12.90	12.00
2	99.89	18.8 QP	43.5	-24.7	1.00 V	185	9.40	9.40
3	181.55	20.5 QP	43.5	-23.0	1.99 V	218	8.00	12.50
4	284.60	19.2 QP	46.0	-26.8	1.00 V	128	4.80	14.40
5	572.36	26.4 QP	46.0	-19.6	1.99 V	5	4.90	21.50
6	624.85	27.5 QP	46.0	-18.5	1.50 V	10	5.20	22.30

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

EUT TEST CONDITION		MEASUREMENT DETAIL	
INPUT POWER (SYSTEM)	120Vac, 60 Hz	FREQUENCY RANGE	Below 1000MHz
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH	DETECTOR FUNCTION	Quasi-Peak
TESTED BY	Alan Wu	TEST MODE	E

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	113.50	23.1 QP	43.5	-20.4	1.50 H	245	11.80	11.30
2	162.11	22.9 QP	43.5	-20.6	1.50 H	253	8.60	14.30
3	290.43	21.4 QP	46.0	-24.6	1.00 H	291	6.10	15.30
4	346.82	20.7 QP	46.0	-25.3	1.00 H	149	3.70	17.00
5	757.06	25.1 QP	46.0	-20.9	1.25 H	234	-0.90	26.00
6	838.72	26.7 QP	46.0	-19.3	1.50 H	6	-0.90	27.60
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	41.57	31.0 QP	40.0	-9.0	1.00 V	308	17.10	13.90
2	68.79	30.1 QP	40.0	-9.9	1.00 V	165	17.60	12.50
3	111.56	26.6 QP	43.5	-16.9	1.00 V	17	15.50	11.10
4	156.28	20.3 QP	43.5	-23.2	1.00 V	5	5.90	14.40
5	321.54	22.6 QP	46.0	-23.4	1.00 V	105	6.30	16.30
6	864.00	27.0 QP	46.0	-19.0	1.25 V	321	-1.00	28.00

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

4.2 CONDUCTED EMISSION MEASUREMENT

4.2.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

FREQUENCY OF EMISSION (MHz)	CONDUCTED LIMIT (dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56	56 to 46
0.5-5	56	46
5-30	60	50

NOTE: 1. The lower limit shall apply at the transition frequencies.
2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50 MHz.
3. All emanations from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

4.2.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
Test Receiver ROHDE & SCHWARZ	ESCS30	100289	Nov. 19, 2011	Nov. 18, 2012
RF signal cable Woken	5D-FB	Cable-HYCO2-01	Dec. 22, 2011	Dec. 21, 2012
LISN ROHDE & SCHWARZ (EUT)	ESH2-Z5	100100	Dec. 30, 2011	Dec. 29, 2012
LISN ROHDE & SCHWARZ (Peripheral)	ESH3-Z5	100312	Jul. 07, 2011	Jul. 06, 2012
Software ADT	BV ADT_Cond_ V7.3.7.3	NA	NA	NA

NOTE: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in HwaYa Shielded Room 2.
3. The VCCI Site Registration No. is C-2047.

4.2.3 TEST PROCEDURES

a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.

b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.

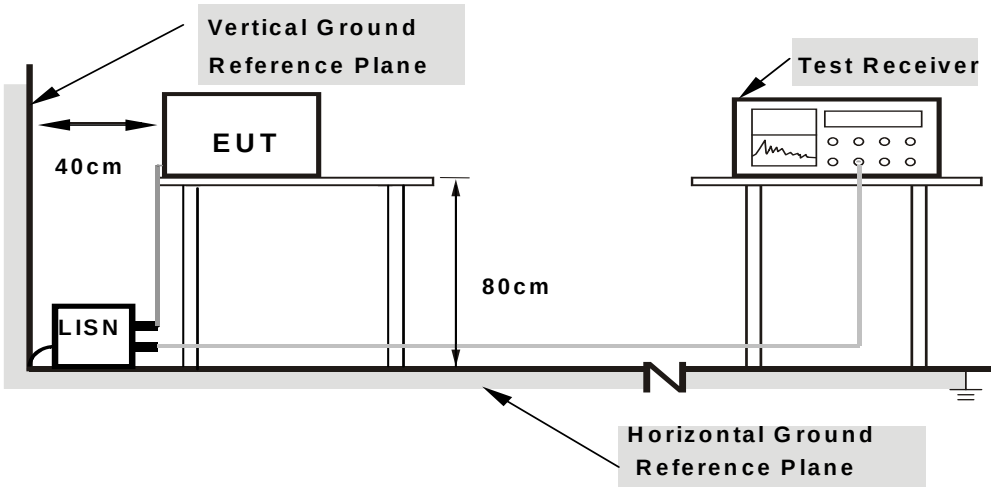
c. The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) was not recorded.

NOTE: All modes of operation were investigated and the worst-case emissions are reported.

4.2.4 DEVIATION FROM TEST STANDARD

No deviation.

4.2.5 TEST SETUP



Note: 1.Support units were connected to second LISN.
2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

For the actual test configuration, please refer to the attached file (Test Setup Photo).

4.2.6 EUT OPERATING CONDITIONS

Same as item 4.1.6.

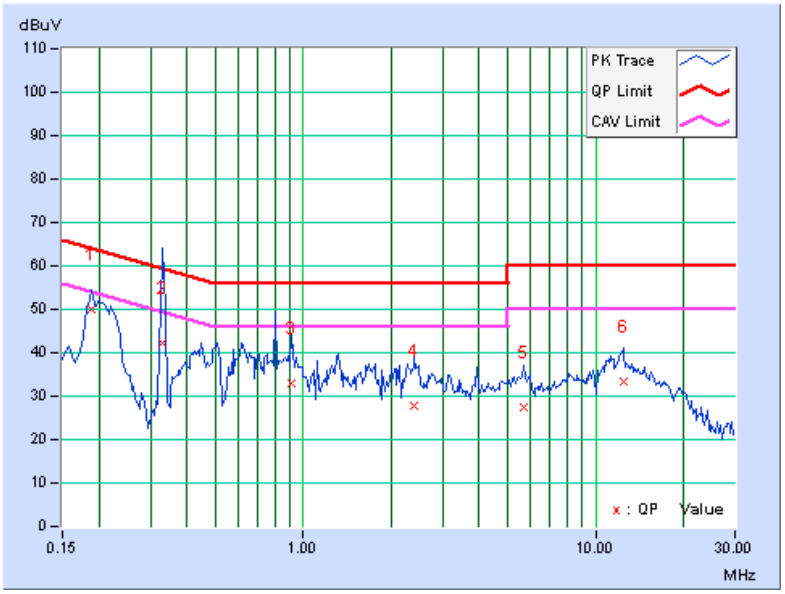
4.2.7 TEST RESULTS

CONDUCTED WORST-CASE DATA:

PHASE	Line 1	6dB BANDWIDTH	9kHz
TEST MODE	A1		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.18906	0.15	49.87	35.11	50.02	35.26	64.08	54.08	-14.06	-18.82
2	0.32969	0.16	41.89	20.96	42.05	21.12	59.46	49.46	-17.41	-28.34
3	0.91563	0.19	32.79	24.86	32.98	25.05	56.00	46.00	-23.02	-20.95
4	2.40625	0.28	27.47	22.39	27.75	22.67	56.00	46.00	-28.25	-23.33
5	5.66406	0.36	27.21	20.50	27.57	20.86	60.00	50.00	-32.43	-29.14
6	12.45313	0.48	32.69	26.74	33.17	27.22	60.00	50.00	-26.83	-22.78

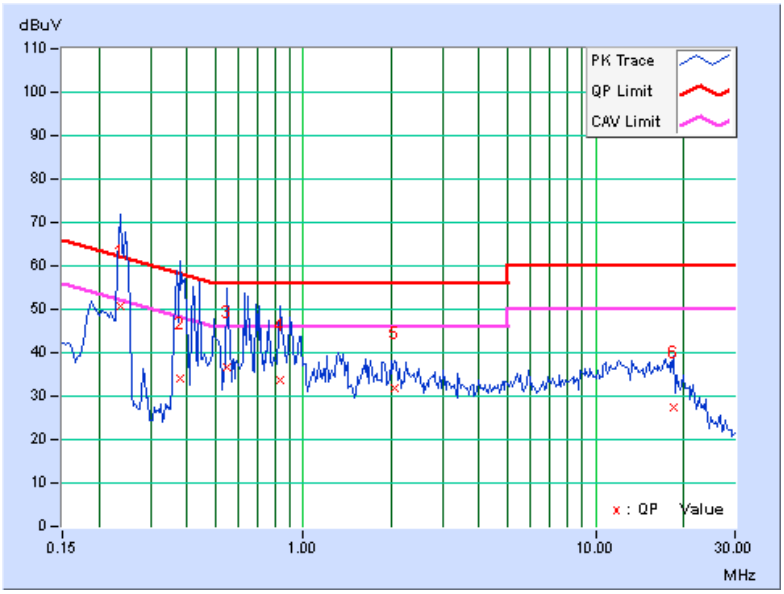
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.



PHASE	Line 2	6dB BANDWIDTH	9kHz
TEST MODE	A1		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.23594	0.14	50.43	28.23	50.57	28.37	62.24	52.24	-11.66	-23.86
2	0.38047	0.16	33.80	21.07	33.96	21.23	58.27	48.27	-24.31	-27.04
3	0.54844	0.17	36.54	24.26	36.71	24.43	56.00	46.00	-19.29	-21.57
4	0.83359	0.18	33.63	21.21	33.81	21.39	56.00	46.00	-22.19	-24.61
5	2.04688	0.26	31.42	23.72	31.68	23.98	56.00	46.00	-24.32	-22.02
6	18.53906	0.68	26.59	18.11	27.27	18.79	60.00	50.00	-32.73	-31.21

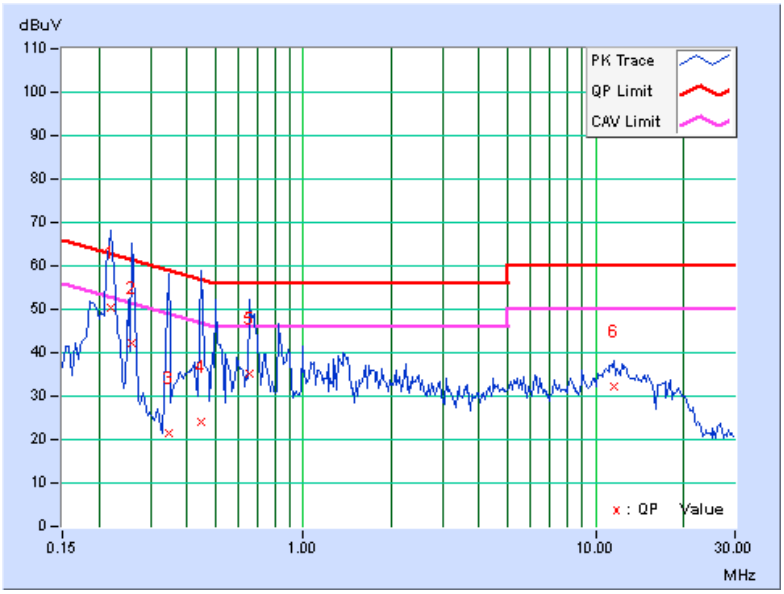
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.



PHASE	Line 1	6dB BANDWIDTH	9kHz
TEST MODE	B1		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.22031	0.15	50.15	29.69	50.30	29.84	62.81	52.81	-12.51	-22.97
2	0.25938	0.16	42.04	23.54	42.20	23.70	61.45	51.45	-19.26	-27.76
3	0.34531	0.16	21.32	19.87	21.48	20.03	59.07	49.07	-37.59	-29.04
4	0.44688	0.17	23.79	22.39	23.96	22.56	56.93	46.93	-32.97	-24.37
5	0.65781	0.18	35.19	20.15	35.37	20.33	56.00	46.00	-20.63	-25.67
6	11.60938	0.46	31.70	24.63	32.16	25.09	60.00	50.00	-27.84	-24.91

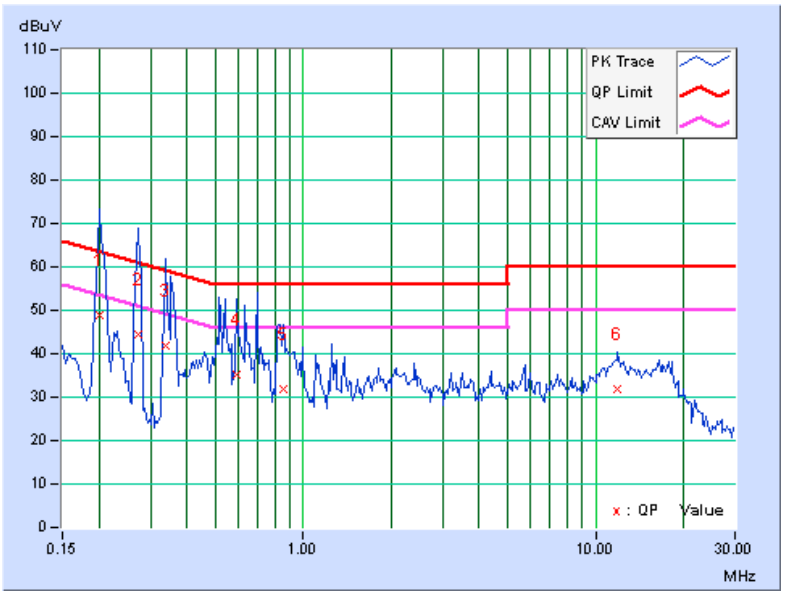
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.



PHASE	Line 2	6dB BANDWIDTH	9kHz
TEST MODE	B1		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.20078	0.14	48.85	31.83	48.99	31.97	63.58	53.58	-14.59	-21.61
2	0.27109	0.15	44.30	20.25	44.45	20.40	61.08	51.08	-16.64	-30.69
3	0.33750	0.15	41.85	19.85	42.00	20.00	59.26	49.26	-17.26	-29.26
4	0.59141	0.17	35.07	22.60	35.24	22.77	56.00	46.00	-20.76	-23.23
5	0.85703	0.18	31.68	21.52	31.86	21.70	56.00	46.00	-24.14	-24.30
6	11.87109	0.52	31.44	26.40	31.96	26.92	60.00	50.00	-28.04	-23.08

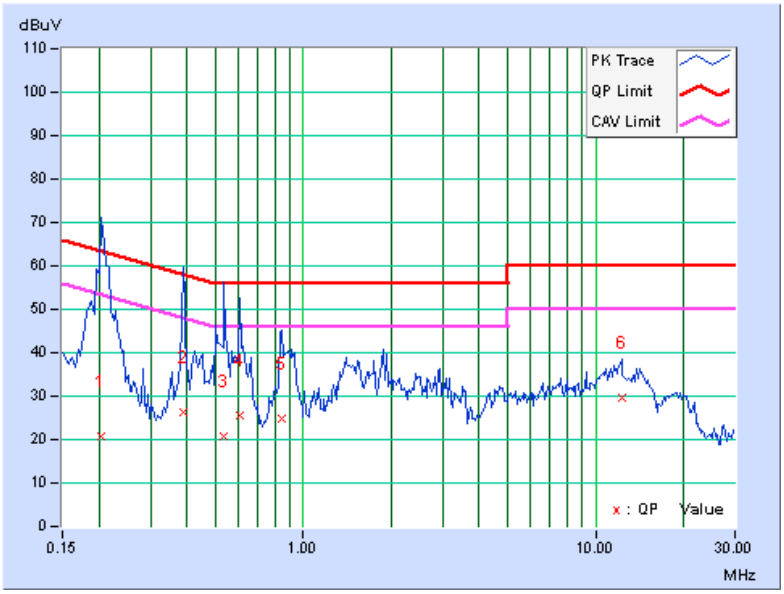
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.



PHASE	Line 1	6dB BANDWIDTH	9kHz
TEST MODE	C1		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.20469	0.15	20.45	15.28	20.60	15.43	63.42	53.42	-42.82	-37.99
2	0.38828	0.17	26.13	18.88	26.30	19.05	58.10	48.10	-31.80	-29.05
3	0.53672	0.17	20.65	10.21	20.82	10.38	56.00	46.00	-35.18	-35.62
4	0.60313	0.18	25.35	19.77	25.53	19.95	56.00	46.00	-30.47	-26.05
5	0.84141	0.18	24.54	19.15	24.72	19.33	56.00	46.00	-31.28	-26.67
6	12.25000	0.48	29.01	21.99	29.49	22.47	60.00	50.00	-30.51	-27.53

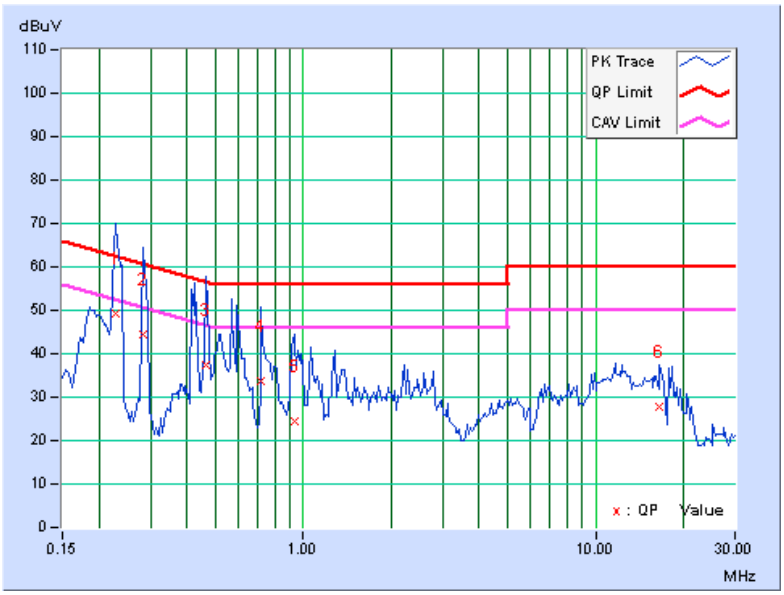
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.



PHASE	Line 2	6dB BANDWIDTH	9kHz
TEST MODE	C1		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.22812	0.14	49.03	28.90	49.17	29.04	62.52	52.52	-13.35	-23.48
2	0.28281	0.15	44.20	21.25	44.35	21.40	60.73	50.73	-16.38	-29.33
3	0.46641	0.16	37.10	22.70	37.26	22.86	56.58	46.58	-19.31	-23.71
4	0.72031	0.18	33.55	16.54	33.73	16.72	56.00	46.00	-22.27	-29.28
5	0.93125	0.19	24.21	21.48	24.40	21.67	56.00	46.00	-31.60	-24.33
6	16.56250	0.64	27.29	18.87	27.93	19.51	60.00	50.00	-32.07	-30.49

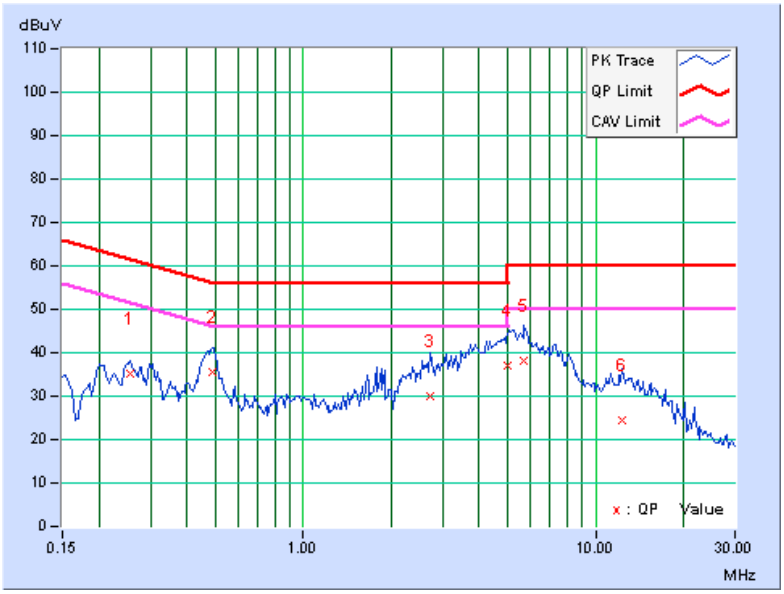
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.



PHASE	Line 1	6dB BANDWIDTH	9kHz
TEST MODE	D1		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.25547	0.16	35.07	30.95	35.23	31.11	61.58	51.58	-26.35	-20.47
2	0.48594	0.17	35.22	30.28	35.39	30.45	56.24	46.24	-20.84	-15.78
3	2.73047	0.29	29.73	21.18	30.02	21.47	56.00	46.00	-25.98	-24.53
4	5.00000	0.36	36.83	26.72	37.19	27.08	56.00	46.00	-18.81	-18.92
5	5.68359	0.37	37.60	29.24	37.97	29.61	60.00	50.00	-22.03	-20.39
6	12.38672	0.48	24.12	14.32	24.60	14.80	60.00	50.00	-35.40	-35.20

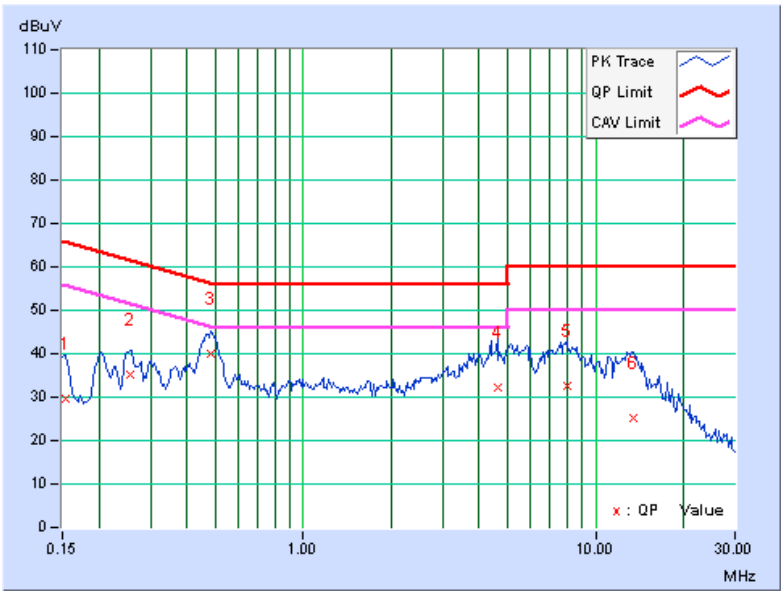
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.



PHASE	Line 2	6dB BANDWIDTH	9kHz
TEST MODE	D1		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15391	0.13	29.40	18.52	29.53	18.65	65.79	55.79	-36.26	-37.14
2	0.25547	0.15	35.00	30.78	35.15	30.93	61.58	51.58	-26.43	-20.65
3	0.48203	0.16	39.68	36.13	39.84	36.29	56.30	46.30	-16.46	-10.01
4	4.62891	0.36	32.04	26.03	32.40	26.39	56.00	46.00	-23.60	-19.61
5	7.98438	0.44	32.21	22.82	32.65	23.26	60.00	50.00	-27.35	-26.74
6	13.53125	0.56	24.54	24.19	25.10	24.75	60.00	50.00	-34.90	-25.25

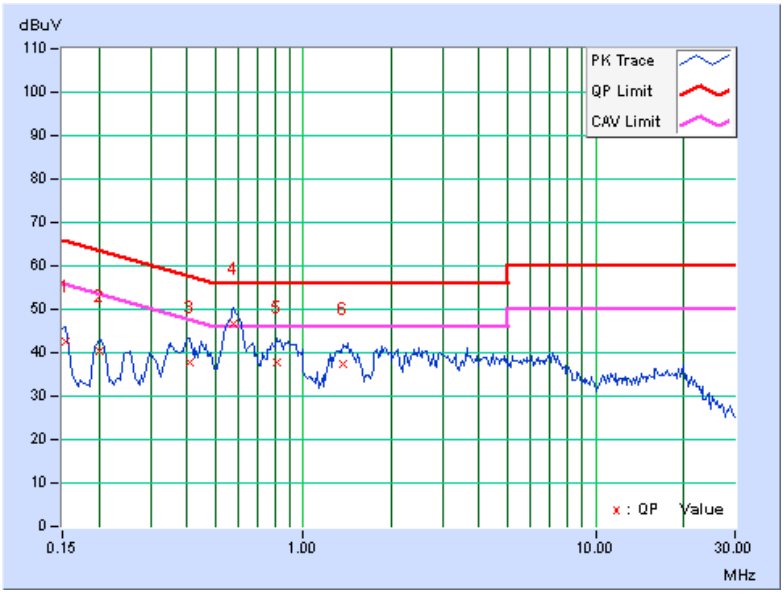
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.



PHASE	Line 1	6dB BANDWIDTH	9kHz
TEST MODE	E		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15391	0.15	42.56	36.31	42.71	36.46	65.79	55.79	-23.08	-19.33
2	0.20078	0.15	40.25	38.16	40.40	38.31	63.58	53.58	-23.18	-15.27
3	0.40781	0.17	37.73	32.42	37.90	32.59	57.69	47.69	-19.79	-15.10
4	**0.57969**	**0.18**	**46.49**	**40.50**	**46.67**	**40.68**	**56.00**	**46.00**	**-9.33**	**-5.32**
5	0.81406	0.18	37.68	31.08	37.86	31.26	56.00	46.00	-18.14	-14.74
6	1.37109	0.22	37.31	31.28	37.53	31.50	56.00	46.00	-18.47	-14.50

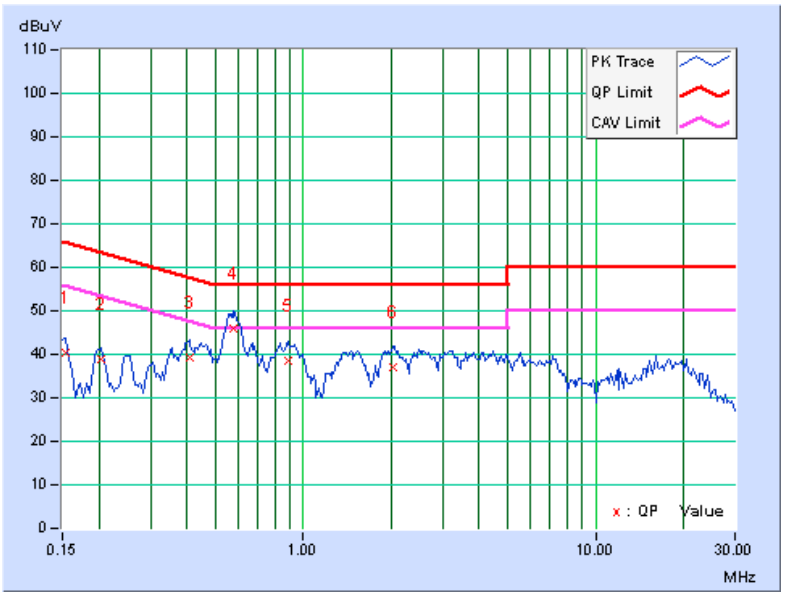
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.



PHASE	Line 2	6dB BANDWIDTH	9kHz
TEST MODE	E		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15391	0.13	40.11	36.43	40.24	36.56	65.79	55.79	-25.55	-19.23
2	0.20469	0.14	38.60	35.32	38.74	35.46	63.42	53.42	-24.68	-17.96
3	0.40781	0.16	38.99	32.90	39.15	33.06	57.69	47.69	-18.54	-14.63
4	0.57578	0.17	45.76	39.35	45.93	39.52	56.00	46.00	-10.07	-6.48
5	0.88828	0.18	38.24	31.68	38.42	31.86	56.00	46.00	-17.58	-14.14
6	2.01953	0.26	36.81	30.54	37.07	30.80	56.00	46.00	-18.93	-15.20

REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.



5. PHOTOGRAPHS OF THE TEST CONFIGURATION

Please refer to the attached file (Test Setup Photo).

6. INFORMATION ON THE TESTING LABORATORIES

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved according to ISO/IEC 17025.

Copies of accreditation certificates of our laboratories obtained from approval agencies can be downloaded from our web site: www.adt.com.tw/index.5.phtml. If you have any comments, please feel free to contact us at the following:

Linko EMC/RF Lab:
Tel: 886-2-26052180
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The address and road map of all our labs can be found in our web site also.

7. APPENDIX A - MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No any modifications are made to the EUT by the lab during the test.

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