



A D T

# FCC TEST REPORT

**REPORT NO.:** RF940314L15H  
**MODEL NO.:** DuraFon PRO (refer to item 3.1 for more detail)  
**FCC ID:** U2M-SP922PRO  
**RECEIVED:** Sep. 24, 2012  
**TESTED:** Sep. 25 ~ Sep. 26, 2012 (For test mode B)  
Nov. 02 ~ Nov. 05, 2012 (For test mode A, C)  
**ISSUED:** Nov. 27, 2012

**APPLICANT:** Senao Networks, Inc.

**ADDRESS:** 3F, No. 529, Chung Cheng Rd., Hsintien,  
Taipei, Taiwan, R.O.C.

**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.

This report should not be used by the client to claim  
product certification, approval, or endorsement by  
TAF or any government agencies.



This report is for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence, provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents. Unless specific mention, the uncertainty of measurement has been explicitly taken into account to declare the compliance or non-compliance to the specification.



## Table of Contents

RELEASE CONTROL RECORD.....	3
1. CERTIFICATION.....	4
2. SUMMARY OF TEST RESULTS .....	5
2.1 MEASUREMENT UNCERTAINTY .....	5
3. GENERAL INFORMATION.....	6
3.1 GENERAL DESCRIPTION OF EUT .....	6
3.2 DESCRIPTION OF TEST MODES.....	7
3.2.1 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL .....	8
3.3 GENERAL DESCRIPTION OF APPLIED STANDARDS .....	9
3.4 DESCRIPTION OF SUPPORT UNITS .....	9
3.4.1 CONFIGURATION OF SYSTEM UNDER TEST .....	10
4. TEST TYPES AND RESULTS .....	11
4.1 RADIATED EMISSION MEASUREMENT .....	11
4.1.1 LIMITS OF RADIATED EMISSION MEASUREMENT.....	11
4.1.2 TEST INSTRUMENTS .....	12
4.1.3 TEST PROCEDURES .....	14
4.1.4 DEVIATION FROM TEST STANDARD .....	14
4.1.5 TEST SETUP .....	15
4.1.6 EUT OPERATING CONDITIONS .....	15
4.1.7 TEST RESULTS .....	16
4.2 CONDUCTED EMISSION MEASUREMENT .....	25
4.2.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT.....	25
4.2.2 TEST INSTRUMENTS .....	26
4.2.3 TEST PROCEDURES .....	27
4.2.4 DEVIATION FROM TEST STANDARD .....	27
4.2.5 TEST SETUP .....	28
4.2.6 EUT OPERATING CONDITIONS .....	28
4.2.7 TEST RESULTS .....	29
5. PHOTOGRAPHS OF THE TEST CONFIGURATION.....	47
6. INFORMATION ON THE TESTING LABORATORIES .....	48
7. APPENDIX A - MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB.....	49



A D T

## RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
RF940314L15H	Original release	Nov. 27, 2012



A D T

## 1. CERTIFICATION

**PRODUCT:** 4-Line Cordless Phone System

**BRAND:** EnGenius

**MODEL:** DuraFon PRO (refer to item 3.1 for more detail)

**APPLICANT:** Senao Networks, Inc.


**TESTED:** Sep. 25 ~ Sep. 26, 2012 (For test mode B)  
Nov. 02 ~ Nov. 05, 2012 (For test mode A, C)

**TEST SAMPLE:** ENGINEERING SAMPLE

**STANDARDS:** **FCC Part 15, Subpart C (Section 15.247)**  
ANSI C63.10-2009

This report is issued as a supplementary report of RF940314L15B. This report shall be used combined together with its original report.

PREPARED BY :

  
Pettie Chen / Senior Specialist

, DATE : Nov. 27, 2012

APPROVED BY :

  
Ken Liu / Manager

, DATE : Nov. 27, 2012

**NOTE:** The radiated emission below 1GHz and conducted emission tests were performed for the addendum. Refer to original report for the other test data.

## 2. SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC PART 15, SUBPART C (SECTION 15.247)			
STANDARD SECTION	TEST TYPE AND LIMIT	RESULT	REMARK
15.207	AC Power Conducted Emission	PASS	Meet the requirement of limit. Minimum passing margin is -2.22dB at 0.34922MHz.
15.247(a)(1) (i)	Number of Hopping Frequency Used	NA	Refer to Note
15.247(a)(1) (i)	Dwell Time on Each Channel	NA	Refer to Note
15.247(a)(1)	1. Hopping Channel Separation 2. Spectrum Bandwidth of a Frequency Hopping Sequence Spread Spectrum System	NA	Refer to Note
15.247(b)	Maximum Peak Output Power	NA	Refer to Note
15.247(d)	Transmitter Radiated Emissions	PASS	Meet the requirement of limit. Minimum passing margin is -3.5dB at 30.00MHz.
15.247(d)	Band Edge Measurement	NA	Refer to Note
15.203	Antenna Requirement	NA	Refer to Note

**NOTE:** The radiated emission below 1GHz and conducted emission tests were performed for the addendum. Refer to original report for the other test data.

### 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 Emission	9KHz~30MHz	2.44 dB
Radiated emissions (Test Mode A, C)	30MHz ~ 200MHz	2.93 dB
	200MHz ~1000MHz	2.95 dB
Radiated emissions (Test Mode B)	30MHz ~ 200MHz	3.34 dB
	200MHz ~1000MHz	3.35 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

<b>EUT</b>	4-Line Cordless Phone System
<b>MODEL NO.</b>	DuraFon PRO (refer to note as below)
<b>POWER SUPPLY</b>	7.5Vdc (from AC Adapter) 3.7Vdc (from battery) 5.5Vdc (from charger)
<b>MODULATION TYPE</b>	MSK
<b>OPERATING FREQUENCY</b>	902.3840 ~ 927.4656MHz
<b>NUMBER OF CHANNEL</b>	50
<b>CHANNEL SPACING</b>	202.272kHz
<b>OUTPUT POWER</b>	859.0mW
<b>ANTENNA TYPE</b>	Dipole antenna with 2dBi gain (Base Station) Dipole antenna with 1.5dBi gain (Portable Handset)
<b>ANTENNA CONNECTOR</b>	RTNC
<b>DATA CABLE</b>	1.8m non-shielded RJ11 cable without core*4 1.8m non-shielded audio cable without core*1
<b>I/O PORTS</b>	Refer to user's manual
<b>ACCESSORY DEVICE</b>	Adapter, charger, Battery

#### NOTE:

1. This report is issued as a supplementary report of BVADT report no.: RF940314L15B. This report shall be combined together with its original report.
2. This report is prepared for FCC class II permissive change. Difference compared with the original report is adding second source adapters (Model: PA1024-2DUA, DSA-15P-05 US 075075, PA1008-1HU). Therefore, we re-tested radiated emission below 1GHz and conducted emission tests and presented in the test report.
3. All models are listed as below.

Brand	Model	Remark
EnGenius	DuraFon PRO	marketing purpose
EnGenius	SP-922PRO	marketing purpose

4. The EUT uses following adapters, battery & Charger adapter.

ADAPTER 1 (for Base Station used)	
<b>BRAND</b>	Powertron Electronics Corp.
<b>MODEL</b>	PA1024-2DUA
<b>INPUT POWER</b>	100-240Vac, 50-60Hz, 0.6A
<b>OUTPUT POWER</b>	7.5Vdc, 1.0A, 7.5W Max
<b>POEWR LINE</b>	1.5m non-shielded cable without core

ADAPTER 2 (for Base Station used)	
BRAND	DVE
MODEL	DSA-15P-05 US 075075
INPUT POWER	100-240Vac, 50/60Hz, 0.5A
OUTPUT POWER	7.5Vdc, 1A
POEWR LINE	1.5m non-shielded cable without core

BATTERY (for Portable Handset used)	
BRAND	EnGenius
RATING	3.7Vdc, 1700mAh

ADAPTER (for Portable Handset Charger used)	
BRAND	Powertron Electronics Corp.
MODEL	PA1008-1HU
INPUT POWER	100-240Vac, 50-60Hz, 0.3A
OUTPUT POWER	5.5Vdc, 1.45A, 8W Max
POEWR LINE	1.5m non-shielded cable without core

CHARGER (for Portable Handset used)	
BRAND	EnGenius
MODEL	SP-922PRO
INPUT POWER	90-264Vac
OUTPUT POWER	5.5Vdc, 1.5A

- A set of the EUT include Base station & Portable handset
- The above EUT information was declared by the manufacturer and for more detailed features description, please refer to the manufacturer's specifications or User's Manual.

## 3.2 DESCRIPTION OF TEST MODES

50 channels are provided to this EUT:

CH.	FREQ. (MHz)	CH.	FREQ. (MHz)	CH.	FREQ. (MHz)	CH.	FREQ. (MHz)	CH.	FREQ. (MHz)
1	902.3840	11	907.6430	21	912.4975	31	918.1611	41	923.0157
2	902.7885	12	908.0476	22	912.9021	32	918.9702	42	923.8247
3	903.1930	13	908.4521	23	913.3066	33	919.3748	43	924.2293
4	903.5976	14	909.2612	24	914.1157	34	919.7793	44	924.6338
5	904.4067	15	909.6657	25	914.9248	35	920.1839	45	925.0384
6	904.8112	16	910.0703	26	915.3293	36	920.5884	46	925.4429
7	905.2158	17	910.4748	27	915.7339	37	921.3975	47	926.2520
8	905.6203	18	910.8797	28	916.5430	38	921.8020	48	926.6566
9	906.0248	19	911.6885	29	917.3521	39	922.2066	49	927.0611
10	906.8339	20	912.0930	30	917.7566	40	922.6111	50	927.4656

### 3.2.1 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL

EUT CONFIGURE MODE	APPLICABLE TO		DESCRIPTION
	RE<1G	PLC	
A	√	√	Handset mode
B	√	√	Base Station mode with adapter 1
C	√	√	Base Station mode with adapter 2

Where **RE<1G**: Radiated Emission below 1GHz

**PLC**: Power Line Conducted Emission

#### RADIATED EMISSION TEST (BELOW 1 GHz):

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, XYZ axis, antenna ports (if EUT with antenna diversity architecture) and packet type.
- ☒ Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TYPE	AXIS
A	1 to 50	1, 25, 50	MSK	Z
B	1 to 50	1, 25, 50	MSK	X
C	1 to 50	1, 25, 50	MSK	X

#### POWER LINE CONDUCTED EMISSION TEST:

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- ☒ Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TYPE
A	1 to 50	1, 25, 50	MSK
B	1 to 50	1, 25, 50	MSK
C	1 to 50	1, 25, 50	MSK

#### TEST CONDITION:

APPLICABLE TO	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY
RE<1G (Test Mode A, C)	25deg. C, 68%RH	120Vac, 60Hz	Sun Lin
RE<1G (Test Mode B)	25deg. C, 65%RH	120Vac, 60Hz	Antony Lee
PLC (Test Mode A, C)	22deg. C, 60%RH	120Vac, 60Hz	Antony Lee
PLC (Test Mode B)	25deg. C, 65%RH	120Vac, 60Hz	Alan Wu



### 3.3 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 C. (15.247)**

**ANSI C63.10-2009**

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

### 3.4 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.

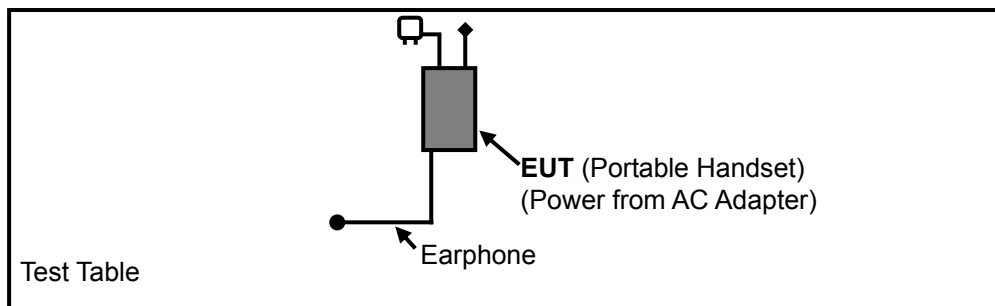
NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	iPod mini	apple	A1051	YM5270HGS41	NA
2	Earphone	Panasonic	KX-TCA400	NA	NA
3	TAPE	PANASONIC	RQ-L11	NA	NA

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	1.2m non-shielded cable without core
2	1.2m non-shielded cable without core
3	NA

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

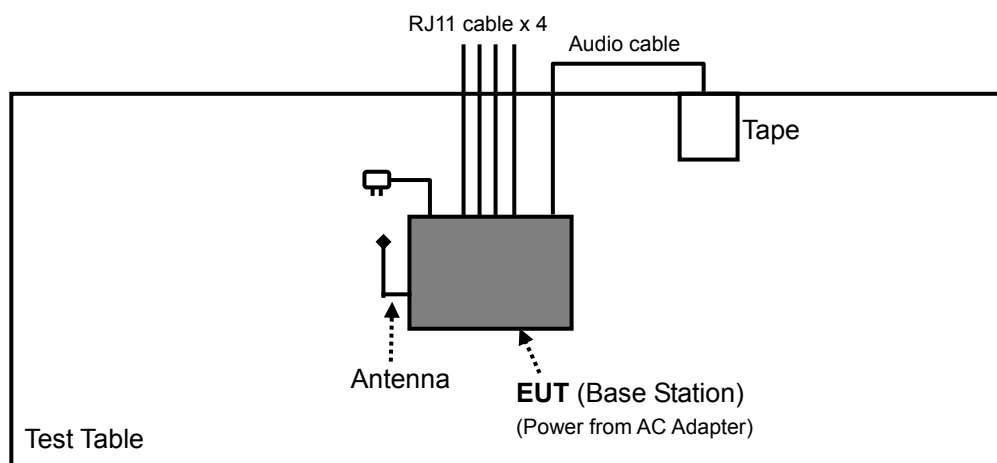
### 3.4.1 CONFIGURATION OF SYSTEM UNDER TEST

#### TEST MODE A

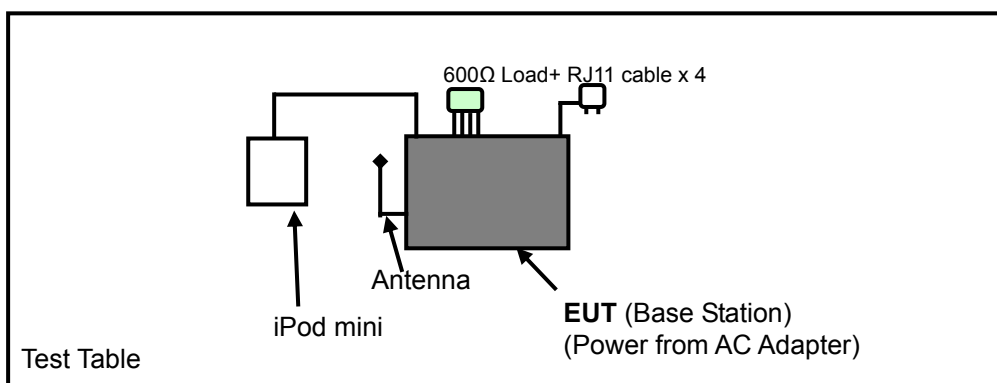


**NOTE:** The configuration was the worst case as above.

#### TEST MODE B



#### TEST MODE C



## 4. TEST TYPES AND RESULTS

### 4.1 RADIATED EMISSION MEASUREMENT

#### 4.1.1 LIMITS OF RADIATED EMISSION MEASUREMENT

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table. Other emissions shall be at least 20dB below the highest level of the desired power:

FREQUENCIES (MHz)	FIELD STRENGTH (microvolts/meter)	MEASUREMENT DISTANCE (meters)
0.009 ~ 0.490	2400/F(kHz)	300
0.490 ~ 1.705	24000/F(kHz)	30
1.705 ~ 30.0	30	30
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. 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.



A D T

#### 4.1.2 TEST INSTRUMENTS

##### For test mode B

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
Test Receiver ROHDE & SCHWARZ	ESIB7	100212	Aug. 06, 2012	Aug. 05, 2013
Spectrum Analyzer ROHDE & SCHWARZ	FSP40	100039	Feb. 03, 2012	Feb. 02, 2013
BILOG Antenna SCHWARZBECK	VULB9168	9168-160	Apr. 06, 2012	Apr. 05, 2013
HORN Antenna SCHWARZBECK	9120D	209	Sep. 03, 2012	Sep. 02, 2013
HORN Antenna SCHWARZBECK	BBHA 9170	148	Jul. 11, 2012	Jul. 10, 2013
Loop Antenna	HFH2-Z2	100070	Jan. 31, 2012	Jan. 30, 2014
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. 28, 2012	Aug. 27, 2013
RF signal cable HUBER+SUHNNER	SUCOFLEX 106	12738/6+309224/4	Aug. 28, 2012	Aug. 27, 2013
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

- 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 calibration interval of the loop antenna is 24 months and the calibrations are traceable to NML/ROC and NIST/USA.
  3. The test was performed in HwaYa Chamber 3.
  4. The horn antenna and HP preamplifier (model: 8449B) are used only for the measurement of emission frequency above 1GHz if tested.
  5. The FCC Site Registration No. is 988962.
  6. The IC Site Registration No. is IC 7450F-3.



A D T

**For test mode A, C**

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
Test Receiver ROHDE & SCHWARZ	ESCI	100744	Apr. 19, 2012	Apr. 18, 2013
Spectrum Analyzer ROHDE & SCHWARZ	FSP40	100269	Jan. 30, 2012	Jan. 29, 2013
BILOG Antenna SCHWARZBECK	VULB9168	9168-156	Apr. 03, 2012	Apr. 02, 2013
HORN Antenna SCHWARZBECK	BBHA 9120 D	9120D-563	Sep. 12, 2012	Sep. 11, 2013
HORN Antenna SCHWARZBECK	BBHA 9170	148	Jul. 11, 2012	Jul. 10, 2013
Loop Antenna	HFH2-Z2	100070	Jan. 31, 2012	Jan. 30, 2014
Preamplifier Agilent	8449B	3008A01911	Oct. 25, 2012	Oct. 24, 2013
Preamplifier Agilent	8447D	2944A10638	Oct. 25, 2012	Oct. 24, 2013
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	295013/4 283403/4	Aug. 28, 2012	Aug. 27, 2013
RF signal cable Worken	8D-FB	Cable-HYCH9-01	Aug. 11, 2012	Aug. 10, 2013
Software	ADT_Radiated_ V7.6.15.9.2	NA	NA	NA
Antenna Tower EMCO	2070/2080	512.835.4684	NA	NA
Turn Table EMCO	2087-2.03	NA	NA	NA
Antenna Tower & Turn Table Controller EMCO	2090	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 calibration interval of the loop antenna is 24 months and the calibrations are traceable to NML/ROC and NIST/USA.
  3. The test was performed in HwaYa Chamber 9.
  4. The horn antenna and HP preamplifier (model: 8449B) are used only for the measurement of emission frequency above 1GHz if tested.
  5. The FCC Site Registration No. is 460141.
  6. The IC Site Registration No. is IC 7450F-4.

#### 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.

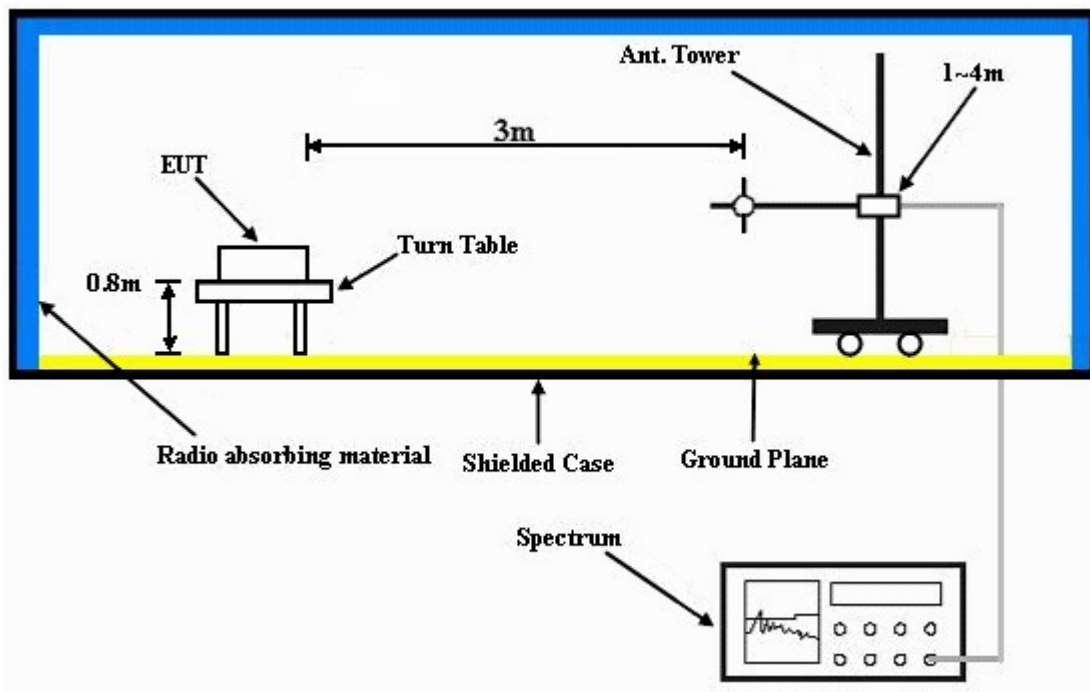
**NOTE:**

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

- Placed the EUT on a testing table.
- Set the EUT under transmission condition continuously at specific channel frequency.
- The necessary accessories enable the system in full functions.

#### 4.1.7 TEST RESULTS

##### BELOW 1GHz WORST-CASE DATA :

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TEST MODE	A
TESTED BY	Sun Lin		

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	30.00	35.1 QP	40.0	-4.9	1.50 H	307	23.20	11.90
2	157.97	24.1 QP	43.5	-19.4	1.00 H	14	10.20	13.90
3	344.24	26.8 QP	46.0	-19.2	1.00 H	252	10.70	16.10
4	685.76	31.9 QP	46.0	-14.1	2.00 H	218	9.10	22.80
5	811.88	37.4 QP	46.0	-8.6	1.00 H	336	12.00	25.40
6	994.28	41.7 QP	54.0	-12.3	1.25 H	236	14.40	27.30
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	30.00	36.5 QP	40.0	-3.5	1.00 V	267	24.60	11.90
2	62.89	26.4 QP	40.0	-13.6	1.00 V	327	13.30	13.10
3	107.52	25.9 QP	43.5	-17.6	1.00 V	210	15.70	10.20
4	189.01	25.1 QP	43.5	-18.4	1.00 V	100	13.10	12.00
5	811.88	40.1 QP	46.0	-5.9	1.25 V	12	14.70	25.40
6	994.28	45.0 QP	54.0	-9.0	1.00 V	202	17.70	27.30

- 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.





A D T

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 25	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TEST MODE	A
TESTED BY	Sun Lin		

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	30.00	35.3 QP	40.0	-4.7	2.00 H	25	23.40	11.90
2	57.07	22.6 QP	40.0	-17.4	1.25 H	131	9.60	13.00
3	161.85	25.6 QP	43.5	-17.9	1.00 H	246	11.80	13.80
4	532.46	31.8 QP	46.0	-14.2	1.75 H	269	10.90	20.90
5	811.88	36.9 QP	46.0	-9.1	1.00 H	213	11.50	25.40
6	994.28	42.0 QP	54.0	-12.0	1.00 H	156	14.70	27.30
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	30.00	35.6 QP	40.0	-4.4	1.00 V	350	23.70	11.90
2	60.95	26.2 QP	40.0	-13.8	1.25 V	25	12.90	13.30
3	107.52	26.1 QP	43.5	-17.4	1.50 V	240	15.90	10.20
4	189.01	24.6 QP	43.5	-18.9	2.00 V	113	12.60	12.00
5	689.64	31.1 QP	46.0	-14.9	1.00 V	146	8.30	22.80
6	811.88	40.7 QP	46.0	-5.3	1.75 V	131	15.30	25.40

**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.



A D T

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 50	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TEST MODE	A
TESTED BY	Sun Lin		

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	39.60	34.4 QP	40.0	-5.6	2.00 H	240	21.30	13.10
2	150.20	32.9 QP	43.5	-10.6	1.75 H	96	19.10	13.80
3	383.05	36.4 QP	46.0	-9.6	1.25 H	35	19.30	17.10
4	439.32	29.0 QP	46.0	-17.0	1.50 H	227	10.50	18.50
5	811.88	40.2 QP	46.0	-5.8	1.00 H	13	14.80	25.40
6	994.28	40.6 QP	54.0	-13.4	1.00 H	337	13.30	27.30
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	30.00	31.4 QP	40.0	-8.6	1.25 V	135	19.50	11.90
2	62.89	36.0 QP	40.0	-4.0	1.00 V	145	22.90	13.10
3	107.52	34.5 QP	43.5	-9.0	1.00 V	141	24.30	10.20
4	189.01	34.8 QP	43.5	-8.7	1.00 V	220	22.80	12.00
5	811.88	40.9 QP	46.0	-5.1	1.00 V	76	15.50	25.40
6	994.28	45.3 QP	54.0	-8.7	2.00 V	176	18.00	27.30

**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	
CHANNEL	Channel 1	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH	TEST MODE	B
TESTED BY	Antony Lee		

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	49.34	21.8 QP	40.0	-18.2	1.50 H	154	7.80	14.00
2	107.67	21.1 QP	43.5	-22.4	1.24 H	255	10.70	10.40
3	294.32	32.9 QP	46.0	-13.1	1.00 H	15	18.20	14.70
4	430.42	36.2 QP	46.0	-9.8	1.00 H	337	17.90	18.30
5	496.53	36.4 QP	46.0	-9.6	1.50 H	349	16.50	19.90
6	825.11	32.1 QP	46.0	-13.9	1.00 H	315	6.20	25.90
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	49.34	32.5 QP	40.0	-7.5	1.50 V	8	18.50	14.00
2	202.94	30.4 QP	43.5	-13.1	1.00 V	51	19.30	11.10
3	247.66	35.2 QP	46.0	-10.8	1.99 V	288	22.30	12.90
4	430.42	34.8 QP	46.0	-11.2	1.99 V	81	16.50	18.30
5	667.63	36.2 QP	46.0	-9.8	1.00 V	51	13.50	22.70
6	881.50	37.9 QP	46.0	-8.1	1.74 V	249	11.30	26.60

**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	
CHANNEL	Channel 25	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH	TEST MODE	B
TESTED BY	Antony Lee		

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	49.34	20.6 QP	40.0	-19.4	1.75 H	170	6.60	14.00
2	107.67	21.4 QP	43.5	-22.1	1.25 H	250	11.00	10.40
3	226.27	33.3 QP	46.0	-12.7	1.00 H	12	21.20	12.10
4	430.42	36.8 QP	46.0	-9.2	1.00 H	342	18.50	18.30
5	496.53	28.9 QP	46.0	-17.1	1.25 H	21	9.00	19.90
6	745.40	33.4 QP	46.0	-12.6	1.00 H	12	9.20	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	30.36	28.8 QP	40.0	-11.2	1.24 V	150	16.40	12.40
2	49.34	30.1 QP	40.0	-9.9	1.00 V	33	16.10	14.00
3	294.32	32.4 QP	46.0	-13.6	1.50 V	180	17.70	14.70
4	490.70	35.7 QP	46.0	-10.3	1.00 V	335	16.00	19.70
5	689.01	38.2 QP	46.0	-7.8	1.24 V	199	15.30	22.90
6	825.11	31.5 QP	46.0	-14.5	1.00 V	10	5.60	25.90

**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	
CHANNEL	Channel 50	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH	TEST MODE	B
TESTED BY	Antony Lee		

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	49.34	31.9 QP	40.0	-8.1	1.99 H	145	17.90	14.00
2	107.67	32.2 QP	43.5	-11.3	1.74 H	262	21.80	10.40
3	202.94	34.0 QP	43.5	-9.5	1.50 H	85	22.90	11.10
4	294.32	38.1 QP	46.0	-7.9	1.00 H	25	23.40	14.70
5	490.70	37.7 QP	46.0	-8.3	1.99 H	15	18.00	19.70
6	825.11	38.2 QP	46.0	-7.8	1.00 H	264	12.30	25.90
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	49.34	29.5 QP	40.0	-10.5	1.22 V	36	15.50	14.00
2	72.67	31.6 QP	40.0	-8.4	1.44 V	58	19.90	11.70
3	144.61	37.0 QP	43.5	-6.5	1.65 V	255	23.20	13.80
4	294.32	30.1 QP	46.0	-15.9	1.10 V	42	15.40	14.70
5	490.70	33.5 QP	46.0	-12.5	1.88 V	52	13.80	19.70
6	825.11	37.0 QP	46.0	-9.0	1.63 V	255	11.10	25.90

**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.



A D T

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TEST MODE	C
TESTED BY	Sun Lin		

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	30.00	27.6 QP	40.0	-12.4	1.00 H	98	15.70	11.90
2	249.17	32.4 QP	46.0	-13.6	1.00 H	177	19.50	12.90
3	408.28	27.8 QP	46.0	-18.2	2.00 H	99	10.10	17.70
4	456.79	27.8 QP	46.0	-18.2	2.00 H	45	8.80	19.00
5	540.23	29.0 QP	46.0	-17.0	2.00 H	42	7.90	21.10
6	666.35	35.2 QP	46.0	-10.8	1.00 H	179	12.50	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	30.00	30.6 QP	40.0	-9.4	1.00 V	346	18.70	11.90
2	249.17	30.0 QP	46.0	-16.0	2.00 V	193	17.10	12.90
3	417.98	24.0 QP	46.0	-22.0	2.00 V	258	6.00	18.00
4	666.35	29.8 QP	46.0	-16.2	2.00 V	238	7.10	22.70
5	938.01	36.0 QP	46.0	-10.0	1.00 V	330	9.20	26.80
6	994.28	31.6 QP	54.0	-22.4	1.00 V	176	4.30	27.30

**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.



A D T

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 25	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TEST MODE	C
TESTED BY	Sun Lin		

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	30.00	27.6 QP	40.0	-12.4	2.00 H	312	15.70	11.90
2	249.17	33.9 QP	46.0	-12.1	1.25 H	174	21.00	12.90
3	344.24	27.7 QP	46.0	-18.3	1.00 H	183	11.60	16.10
4	417.98	28.8 QP	46.0	-17.2	1.25 H	194	10.80	18.00
5	666.35	34.9 QP	46.0	-11.1	1.50 H	185	12.20	22.70
6	745.91	26.2 QP	46.0	-19.8	1.00 H	2	2.20	24.00
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	30.00	30.4 QP	40.0	-9.6	1.00 V	205	18.50	11.90
2	249.17	31.1 QP	46.0	-14.9	1.25 V	233	18.20	12.90
3	417.98	24.2 QP	46.0	-21.8	1.50 V	105	6.20	18.00
4	666.35	29.9 QP	46.0	-16.1	1.75 V	215	7.20	22.70
5	938.01	36.8 QP	46.0	-9.2	1.00 V	224	10.00	26.80
6	994.28	32.1 QP	54.0	-21.9	2.00 V	194	4.80	27.30

**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.



A D T

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 50	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH	TEST MODE	C
TESTED BY	Sun Lin		

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	30.00	28.7 QP	40.0	-11.3	2.00 H	45	16.80	11.90
2	225.88	25.5 QP	46.0	-20.5	1.75 H	22	13.40	12.10
3	249.17	35.3 QP	46.0	-10.7	1.50 H	172	22.40	12.90
4	417.98	27.9 QP	46.0	-18.1	1.75 H	181	9.90	18.00
5	666.35	35.5 QP	46.0	-10.5	1.25 H	279	12.80	22.70
6	745.91	28.4 QP	46.0	-17.6	1.50 H	4	4.40	24.00
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	30.00	30.3 QP	40.0	-9.7	1.00 V	16	18.40	11.90
2	249.17	33.3 QP	46.0	-12.7	1.25 V	228	20.40	12.90
3	417.98	25.1 QP	46.0	-20.9	1.50 V	123	7.10	18.00
4	497.54	25.4 QP	46.0	-20.6	1.75 V	7	5.30	20.10
5	666.35	32.3 QP	46.0	-13.7	1.25 V	225	9.60	22.70
6	930.25	33.1 QP	46.0	-12.9	1.25 V	318	6.40	26.70

**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.



## 4.2 CONDUCTED EMISSION MEASUREMENT

### 4.2.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

FREQUENCY OF EMISSION (MHz)	CONDUCTED LIMIT (dB $\mu$ V)	
	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.



A D T

## 4.2.2 TEST INSTRUMENTS

### For test mode B

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
Test Receiver ROHDE & SCHWARZ	ESCS30	100291	Nov. 23, 2011	Nov. 22, 2012
RF signal cable Woken	5D-FB	Cable-HYC01-01	Dec. 29, 2011	Dec. 28, 2012
LISN ROHDE & SCHWARZ (Peripheral)	ESH3-Z5	100312	Jul. 02, 2012	Jul. 01, 2013
LISN ROHDE & SCHWARZ (EUT)	ESH3-Z5	835239/001	Feb. 07, 2012	Feb. 06, 2013
Software ADT	BV ADT_Conf_ 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 1.  
3. The VCCI Site Registration No. is C-2040.

### For test mode A, C

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. 29, 2011	Dec. 28, 2012
LISN ROHDE & SCHWARZ (EUT)	ESH2-Z5	100100	Dec. 30, 2011	Dec. 29, 2012
LISN ROHDE & SCHWARZ (Peripheral)	ESH3-Z5	100311	Jul. 06, 2012	Jul. 05, 2013
Software ADT	BV ADT_Conf_ 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

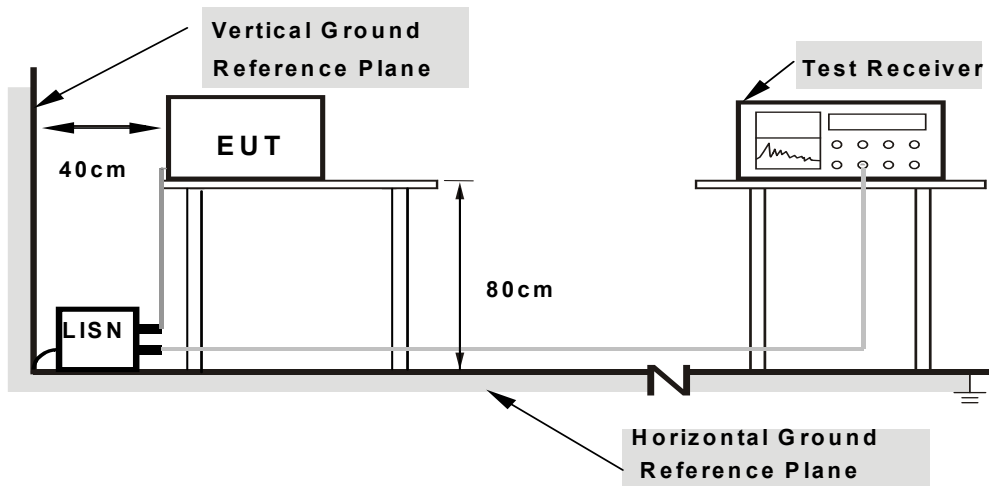
- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling 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 cm 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 4.1.6.

## 4.2.7 TEST RESULTS

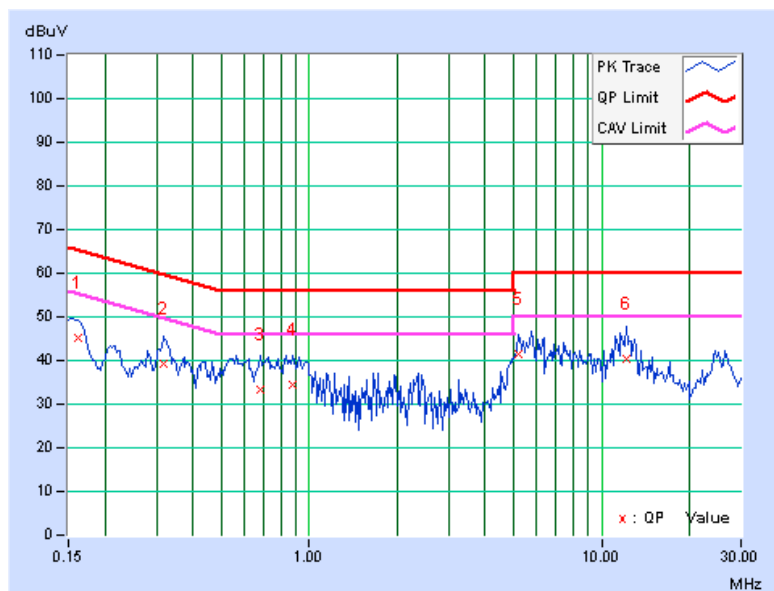
### CONDUCTED WORST-CASE DATA

PHASE	Line 1	6dB BANDWIDTH	9kHz
CHANNEL	CH 1	TEST MODE	A

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.16172	0.15	44.91	35.98	45.06	36.13	65.38	55.38	-20.32	-19.25
2	0.31797	0.16	39.09	28.58	39.25	28.74	59.76	49.76	-20.51	-21.02
3	0.68125	0.18	33.26	22.04	33.44	22.22	56.00	46.00	-22.56	-23.78
4	0.88047	0.19	34.07	22.98	34.26	23.17	56.00	46.00	-21.74	-22.83
5	5.16797	0.36	41.27	30.19	41.63	30.55	60.00	50.00	-18.37	-19.45
6	12.17578	0.47	40.07	30.19	40.54	30.66	60.00	50.00	-19.46	-19.34

### 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.

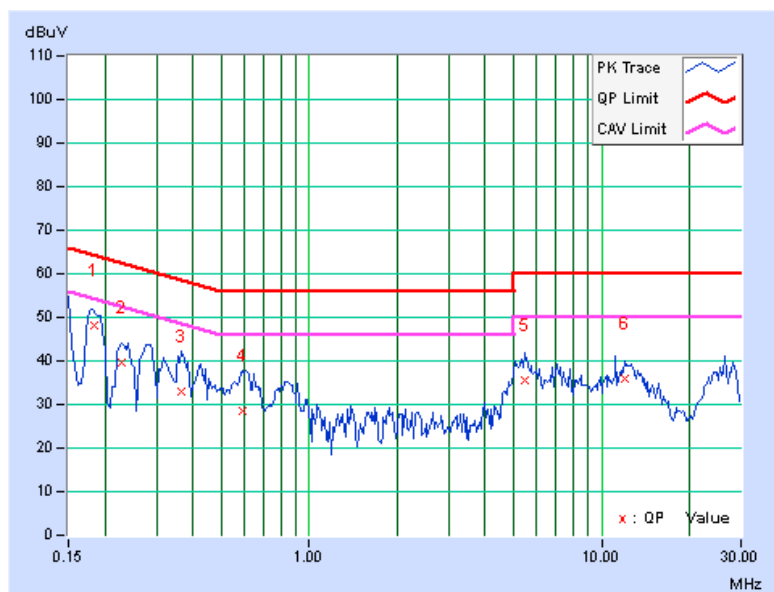


PHASE	Line 2	6dB BANDWIDTH	9kHz
CHANNEL	CH 1	TEST MODE	A

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.18379	0.14	48.14	37.14	48.28	37.28	64.31	54.31	-16.04	-17.04
2	0.22812	0.14	39.66	28.01	39.80	28.15	62.52	52.52	-22.72	-24.37
3	0.36484	0.16	32.85	22.42	33.01	22.58	58.62	48.62	-25.61	-26.04
4	0.59141	0.17	28.52	17.43	28.69	17.60	56.00	46.00	-27.31	-28.40
5	5.48047	0.38	35.15	24.26	35.53	24.64	60.00	50.00	-24.47	-25.36
6	12.04297	0.53	35.42	26.26	35.95	26.79	60.00	50.00	-24.05	-23.21

#### 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.

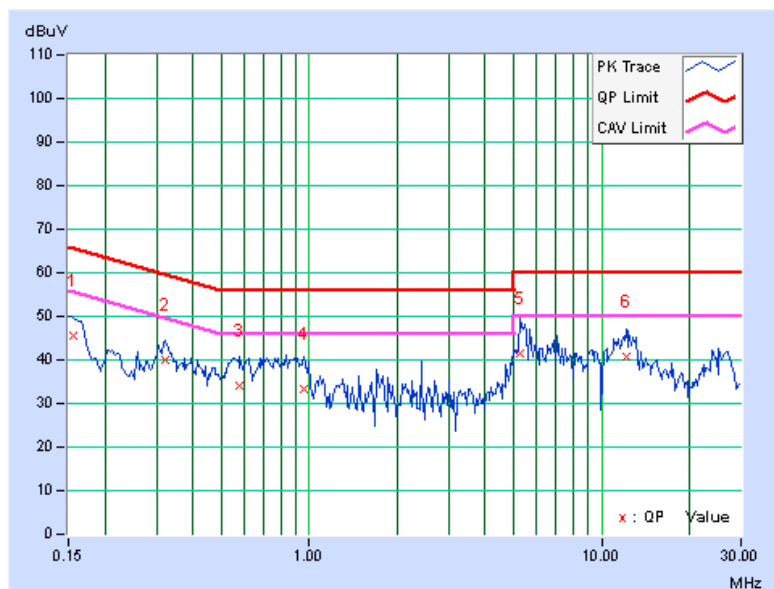


PHASE	Line 1	6dB BANDWIDTH	9kHz
CHANNEL	CH 25	TEST MODE	A

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15509	0.15	45.31	36.97	45.46	37.12	65.72	55.72	-20.26	-18.60
2	0.32188	0.16	39.81	29.73	39.97	29.89	59.66	49.66	-19.69	-19.77
3	0.57578	0.18	33.91	23.63	34.09	23.81	56.00	46.00	-21.91	-22.19
4	0.95859	0.19	33.01	22.76	33.20	22.95	56.00	46.00	-22.80	-23.05
5	5.23828	0.36	41.25	29.99	41.61	30.35	60.00	50.00	-18.39	-19.65
6	12.16016	0.47	40.28	30.35	40.75	30.82	60.00	50.00	-19.25	-19.18

#### 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.

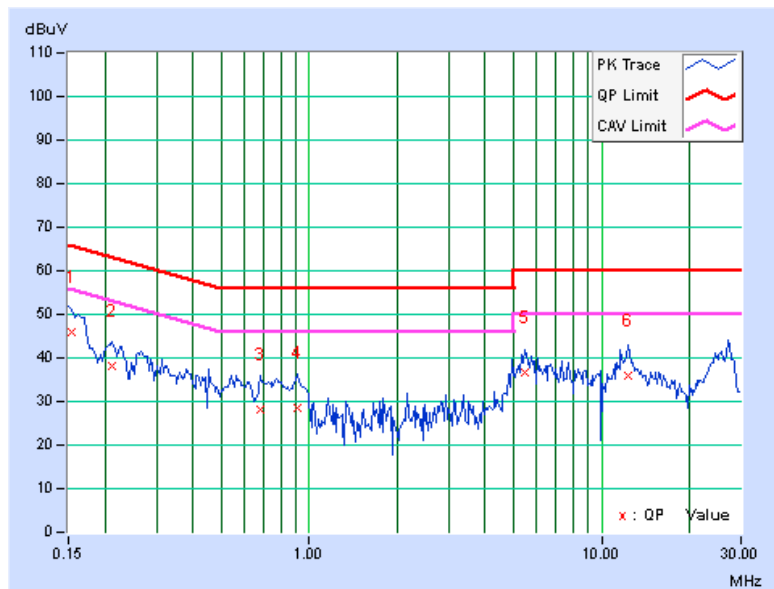


PHASE	Line 2	6dB BANDWIDTH	9kHz
CHANNEL	CH 25	TEST MODE	A

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15305	0.13	45.98	32.05	46.11	32.18	65.83	55.83	-19.72	-23.65
2	0.21250	0.14	38.19	26.83	38.33	26.97	63.11	53.11	-24.78	-26.14
3	0.68125	0.17	28.10	16.77	28.27	16.94	56.00	46.00	-27.73	-29.06
4	0.90781	0.19	28.41	16.63	28.60	16.82	56.00	46.00	-27.40	-29.18
5	5.44141	0.38	36.33	25.92	36.71	26.30	60.00	50.00	-23.29	-23.70
6	12.36328	0.54	35.41	26.41	35.95	26.95	60.00	50.00	-24.05	-23.05

#### 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.



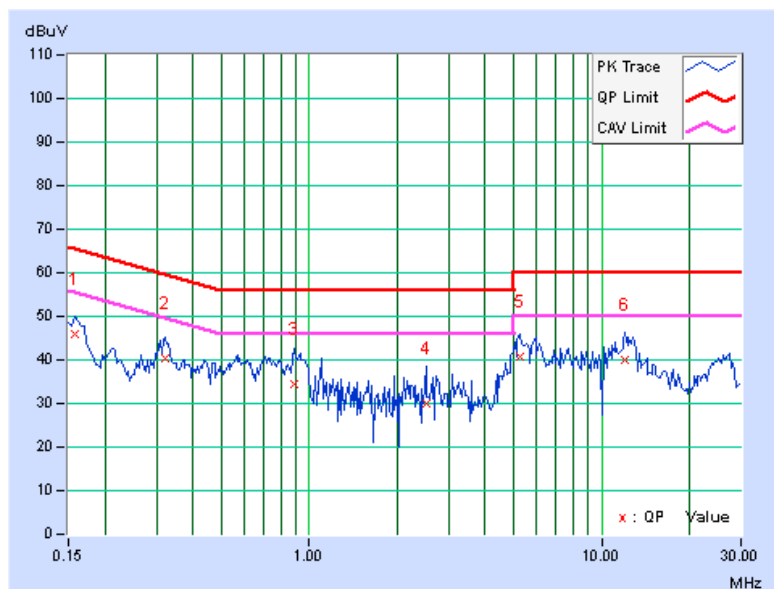


PHASE	Line 1	6dB BANDWIDTH	9kHz
CHANNEL	CH 50	TEST MODE	A

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15781	0.15	45.80	37.26	45.95	37.41	65.58	55.58	-19.63	-18.17
2	0.32188	0.16	40.05	30.27	40.21	30.43	59.66	49.66	-19.45	-19.23
3	0.89219	0.19	34.33	23.18	34.52	23.37	56.00	46.00	-21.48	-22.63
4	2.51172	0.28	29.82	18.34	30.10	18.62	56.00	46.00	-25.90	-27.38
5	5.24609	0.36	40.52	29.95	40.88	30.31	60.00	50.00	-19.12	-19.69
6	12.04297	0.47	39.51	29.99	39.98	30.46	60.00	50.00	-20.02	-19.54

#### 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.

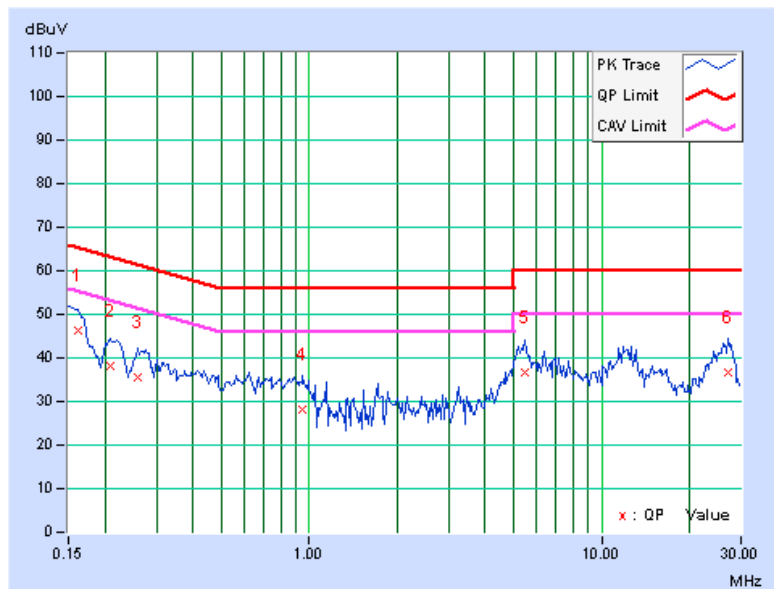


PHASE	Line 2	6dB BANDWIDTH	9kHz
CHANNEL	CH 50	TEST MODE	A

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.16172	0.13	46.19	32.62	46.32	32.75	65.38	55.38	-19.05	-22.62
2	0.20859	0.14	38.01	26.30	38.15	26.44	63.26	53.26	-25.11	-26.82
3	0.25938	0.15	35.53	22.86	35.68	23.01	61.45	51.45	-25.78	-28.45
4	0.95078	0.19	27.95	16.78	28.14	16.97	56.00	46.00	-27.86	-29.03
5	5.45703	0.38	36.44	25.77	36.82	26.15	60.00	50.00	-23.18	-23.85
6	27.11328	0.59	36.22	22.37	36.81	22.96	60.00	50.00	-23.19	-27.04

#### 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.

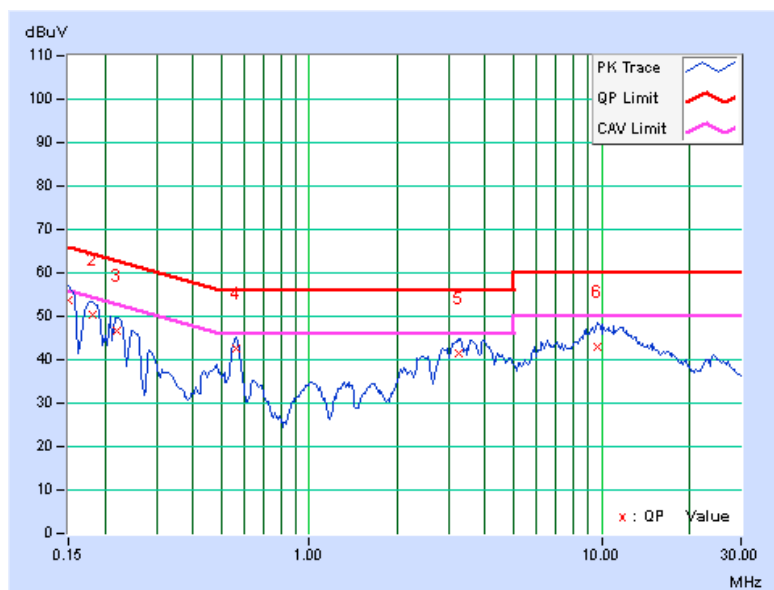


PHASE	Line 1	6dB BANDWIDTH	9kHz
CHANNEL	CH 1	TEST MODE	B

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	0.11	53.76	39.63	53.87	39.74	66.00	56.00	-12.13	-16.26
2	0.18125	0.12	50.25	38.83	50.37	38.95	64.43	54.43	-14.05	-15.47
3	0.22031	0.13	46.51	34.20	46.64	34.33	62.81	52.81	-16.17	-18.48
4	0.56406	0.15	42.53	34.75	42.68	34.90	56.00	46.00	-13.32	-11.10
5	3.23828	0.29	41.02	35.34	41.31	35.63	56.00	46.00	-14.69	-10.37
6	9.63281	0.62	42.50	37.28	43.12	37.90	60.00	50.00	-16.88	-12.10

#### 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.

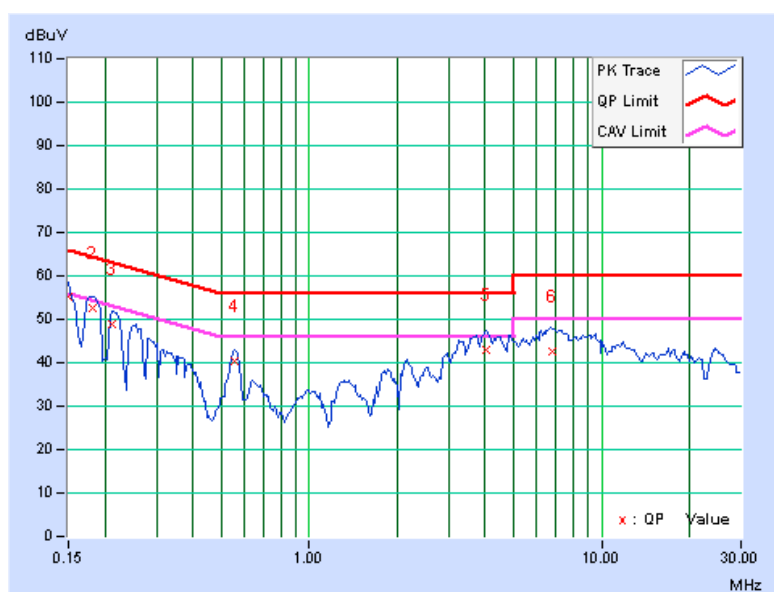


PHASE	Line 2	6dB BANDWIDTH	9kHz
CHANNEL	CH 1	TEST MODE	B

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	0.12	54.98	42.04	55.10	42.16	66.00	56.00	-10.90	-13.84
2	0.18125	0.13	52.28	41.08	52.41	41.21	64.43	54.43	-12.01	-13.21
3	0.21250	0.14	48.88	35.95	49.02	36.09	63.11	53.11	-14.09	-17.02
4	0.55625	0.17	40.19	31.04	40.36	31.21	56.00	46.00	-15.64	-14.79
5	4.01953	0.35	42.45	36.27	42.80	36.62	56.00	46.00	-13.20	-9.38
6	6.80859	0.46	42.07	35.36	42.53	35.82	60.00	50.00	-17.47	-14.18

# 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.

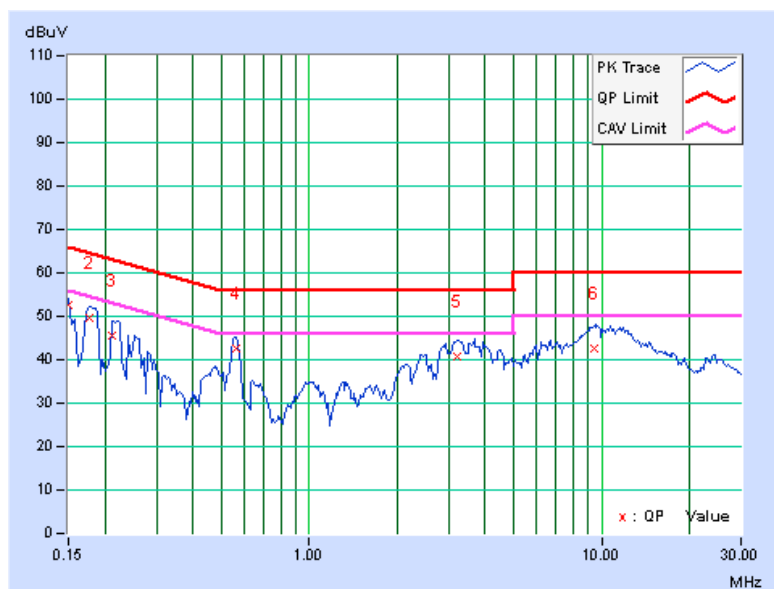


PHASE	Line 1	6dB BANDWIDTH	9kHz
CHANNEL	CH 25	TEST MODE	B

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	0.11	52.58	39.24	52.69	39.35	66.00	56.00	-13.31	-16.65
2	0.17734	0.12	49.46	36.46	49.58	36.58	64.61	54.61	-15.03	-18.03
3	0.21250	0.13	45.60	32.27	45.73	32.40	63.11	53.11	-17.38	-20.71
4	0.56406	0.15	42.47	34.75	42.62	34.90	56.00	46.00	-13.38	-11.10
5	3.18750	0.29	40.54	34.32	40.83	34.61	56.00	46.00	-15.17	-11.39
6	9.46484	0.61	42.15	37.09	42.76	37.70	60.00	50.00	-17.24	-12.30

#### 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.

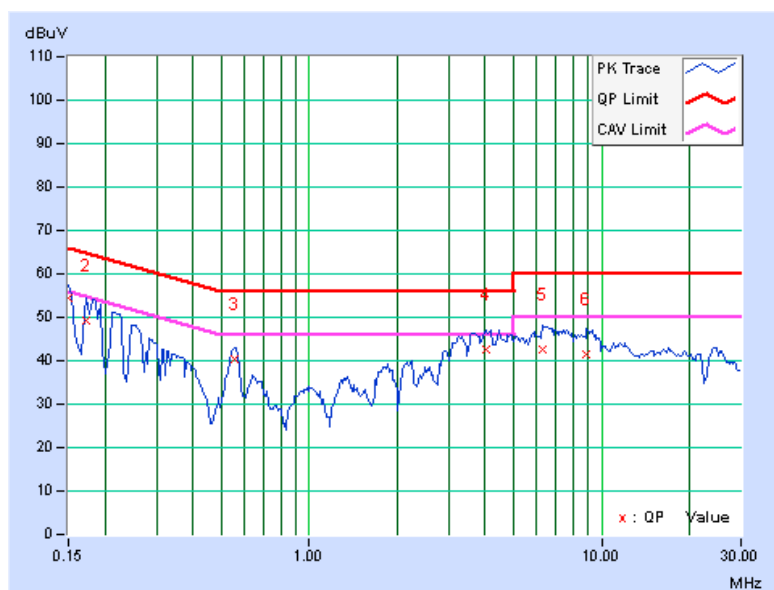


PHASE	Line 2	6dB BANDWIDTH	9kHz
CHANNEL	CH 25	TEST MODE	B

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	0.12	54.26	41.66	54.38	41.78	66.00	56.00	-11.62	-14.22
2	0.17344	0.13	49.00	33.47	49.13	33.60	64.79	54.79	-15.66	-21.19
3	0.55234	0.17	40.11	30.74	40.28	30.91	56.00	46.00	-15.72	-15.09
4	4.00781	0.35	42.41	35.44	42.76	35.79	56.00	46.00	-13.24	-10.21
5	6.27734	0.44	42.29	36.88	42.73	37.32	60.00	50.00	-17.27	-12.68
6	8.87109	0.54	40.80	35.03	41.34	35.57	60.00	50.00	-18.66	-14.43

#### 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.

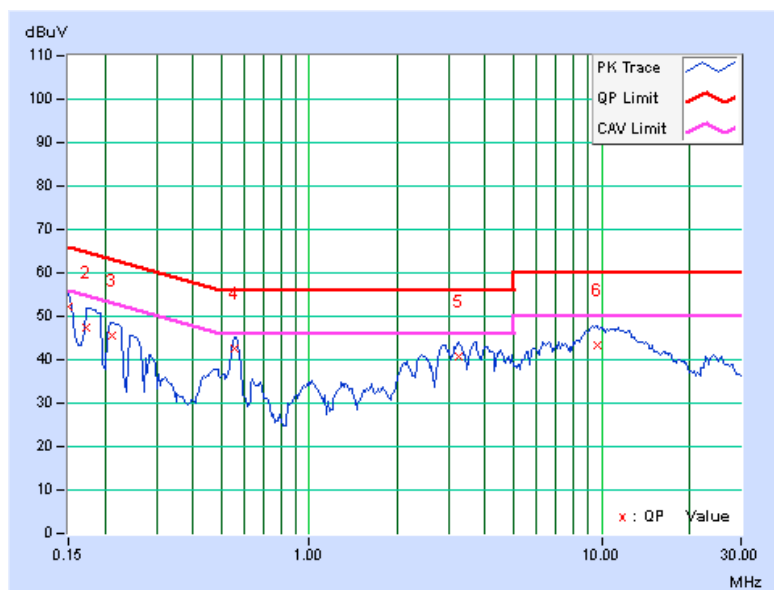


PHASE	Line 1	6dB BANDWIDTH	9kHz
CHANNEL	CH 50	TEST MODE	B

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	0.11	51.98	37.74	52.09	37.85	66.00	56.00	-13.91	-18.15
2	0.17344	0.12	47.17	30.81	47.29	30.93	64.79	54.79	-17.50	-23.86
3	0.21250	0.13	45.30	32.51	45.43	32.64	63.11	53.11	-17.68	-20.47
4	0.55625	0.15	42.26	33.62	42.41	33.77	56.00	46.00	-13.59	-12.23
5	3.25781	0.30	40.34	34.93	40.64	35.23	56.00	46.00	-15.36	-10.77
6	9.70703	0.63	42.68	37.79	43.31	38.42	60.00	50.00	-16.69	-11.58

#### 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.

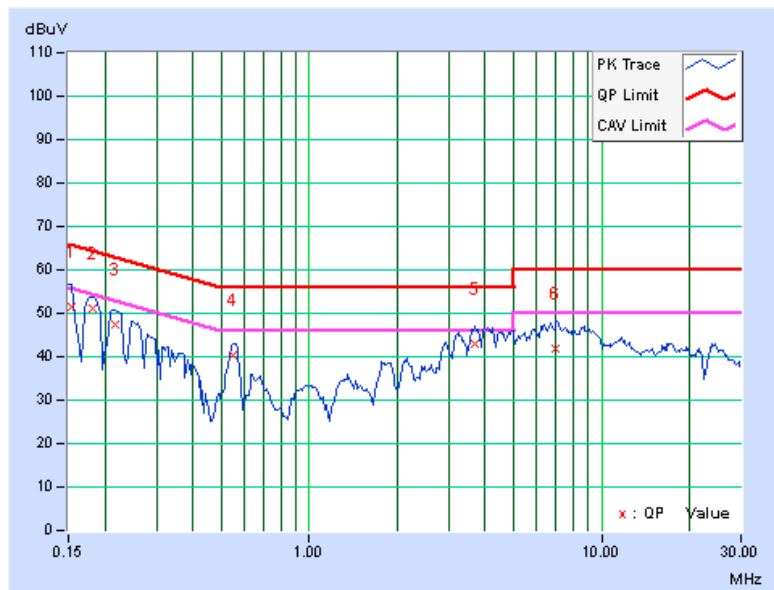


PHASE	Line 2	6dB BANDWIDTH	9kHz
CHANNEL	CH 50	TEST MODE	B

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15391	0.13	51.37	34.60	51.50	34.73	65.79	55.79	-14.29	-21.06
2	0.18125	0.13	50.98	40.56	51.11	40.69	64.43	54.43	-13.31	-13.73
3	0.21641	0.14	47.29	37.84	47.43	37.98	62.96	52.96	-15.52	-14.97
4	0.54844	0.16	40.29	30.92	40.45	31.08	56.00	46.00	-15.55	-14.92
5	3.66797	0.33	42.46	36.73	42.79	37.06	56.00	46.00	-13.21	-8.94
6	6.98828	0.47	41.29	34.19	41.76	34.66	60.00	50.00	-18.24	-15.34

#### 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.



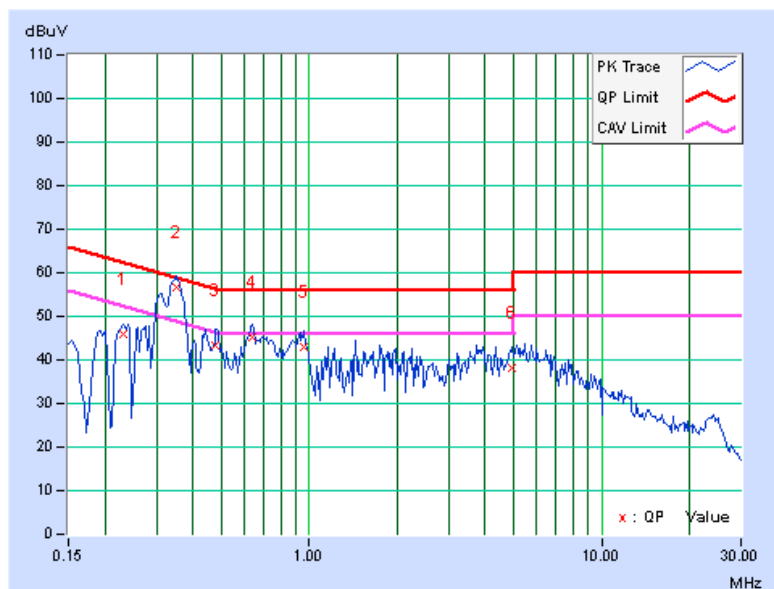


PHASE	Line 1	6dB BANDWIDTH	9kHz
CHANNEL	CH 1	TEST MODE	C

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.23203	0.15	45.81	36.97	45.96	37.12	62.38	52.38	-16.41	-15.25
2	0.34922	0.16	56.50	44.23	56.66	44.39	58.98	48.98	-2.32	-4.59
3	0.47813	0.17	43.00	29.35	43.17	29.52	56.37	46.37	-13.20	-16.85
4	0.63828	0.18	44.83	31.90	45.01	32.08	56.00	46.00	-10.99	-13.92
5	0.95859	0.19	42.74	29.21	42.93	29.40	56.00	46.00	-13.07	-16.60
6	4.93750	0.35	37.71	26.22	38.06	26.57	56.00	46.00	-17.94	-19.43

#### 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.

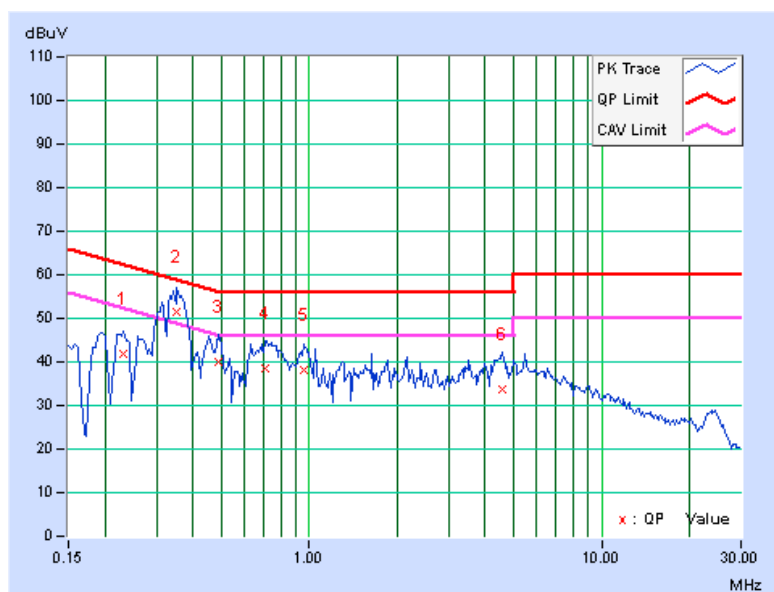


PHASE	Line 2	6dB BANDWIDTH	9kHz
CHANNEL	CH 1	TEST MODE	C

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.23203	0.14	41.67	29.92	41.81	30.06	62.38	52.38	-20.56	-22.31
2	0.35313	0.16	51.49	37.26	51.65	37.42	58.89	48.89	-7.24	-11.47
3	0.48594	0.16	39.78	25.35	39.94	25.51	56.24	46.24	-16.29	-20.72
4	0.70859	0.18	38.32	25.27	38.50	25.45	56.00	46.00	-17.50	-20.55
5	0.95469	0.19	38.07	24.69	38.26	24.88	56.00	46.00	-17.74	-21.12
6	4.58203	0.36	33.16	22.89	33.52	23.25	56.00	46.00	-22.48	-22.75

#### 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.

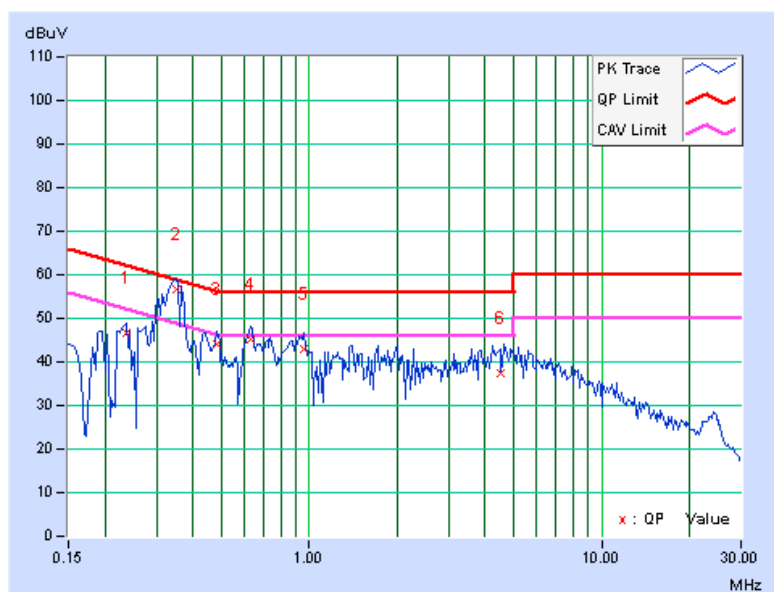


PHASE	Line 1	6dB BANDWIDTH	9kHz
CHANNEL	CH 25	TEST MODE	C

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.23594	0.15	46.42	36.23	46.57	36.38	62.24	52.24	-15.66	-15.85
2	<b>0.34922</b>	<b>0.16</b>	<b>56.60</b>	<b>44.78</b>	<b>56.76</b>	<b>44.94</b>	<b>58.98</b>	<b>48.98</b>	<b>-2.22</b>	<b>-4.04</b>
3	0.48203	0.17	44.01	30.22	44.18	30.39	56.30	46.30	-12.12	-15.91
4	0.63438	0.18	45.03	32.38	45.21	32.56	56.00	46.00	-10.79	-13.44
5	0.95469	0.19	42.88	29.43	43.07	29.62	56.00	46.00	-12.93	-16.38
6	4.50781	0.35	37.22	26.19	37.57	26.54	56.00	46.00	-18.43	-19.46

#### 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.

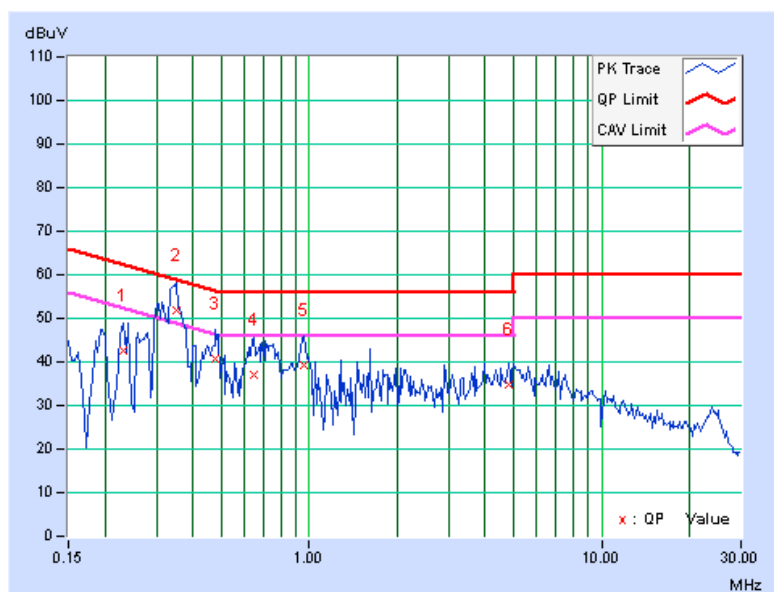


PHASE	Line 2	6dB BANDWIDTH	9kHz
CHANNEL	CH 25	TEST MODE	C

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.23203	0.14	42.50	30.63	42.64	30.77	62.38	52.38	-19.73	-21.60
2	0.35313	0.16	51.75	37.90	51.91	38.06	58.89	48.89	-6.98	-10.83
3	0.47813	0.16	40.56	25.18	40.72	25.34	56.37	46.37	-15.65	-21.03
4	0.64609	0.17	36.81	22.24	36.98	22.41	56.00	46.00	-19.02	-23.59
5	0.95859	0.19	38.89	24.71	39.08	24.90	56.00	46.00	-16.92	-21.10
6	4.84375	0.37	34.45	23.52	34.82	23.89	56.00	46.00	-21.18	-22.11

#### 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.

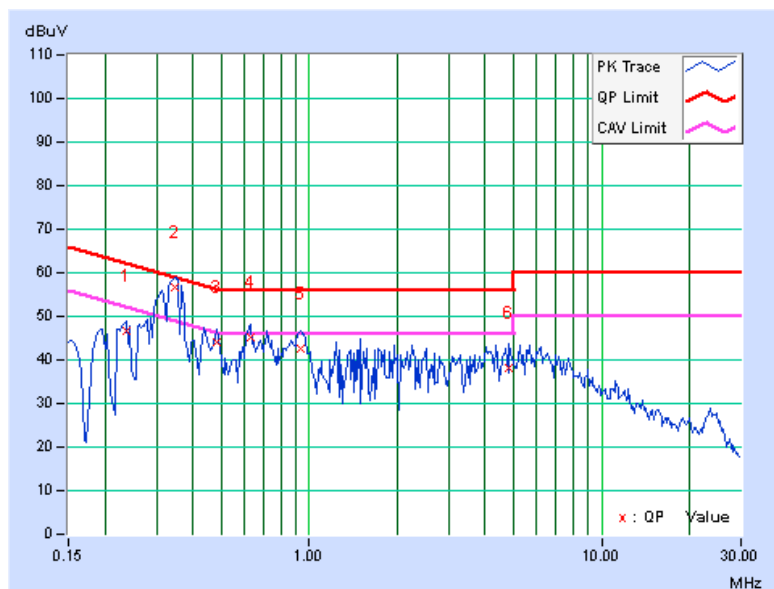


PHASE	Line 1	6dB BANDWIDTH	9kHz
CHANNEL	CH 50	TEST MODE	C

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.23594	0.15	46.63	37.01	46.78	37.16	62.24	52.24	-15.45	-15.07
2	0.34531	0.16	56.50	44.96	56.66	45.12	59.07	49.07	-2.41	-3.95
3	0.48203	0.17	44.01	30.85	44.18	31.02	56.30	46.30	-12.12	-15.28
4	0.63047	0.18	45.11	32.30	45.29	32.48	56.00	46.00	-10.71	-13.52
5	0.93125	0.19	42.37	29.27	42.56	29.46	56.00	46.00	-13.44	-16.54
6	4.82422	0.35	37.98	26.42	38.33	26.77	56.00	46.00	-17.67	-19.23

#### 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.

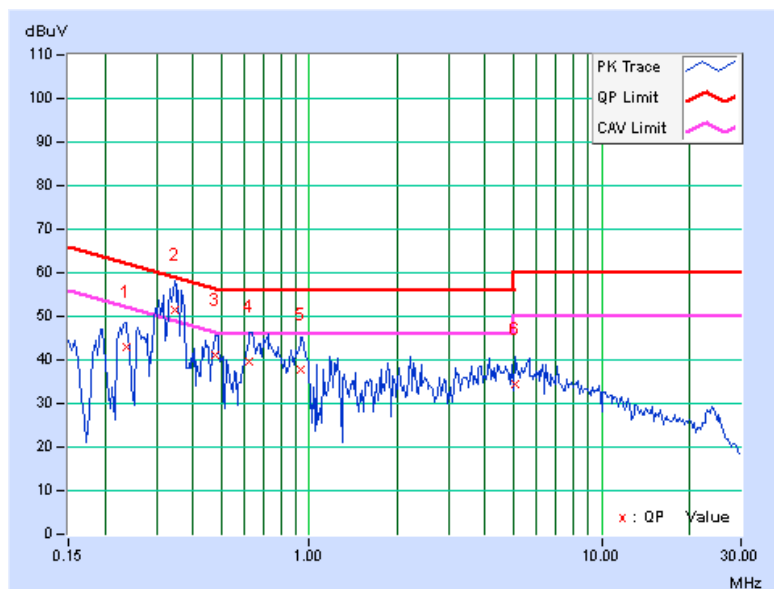


PHASE	Line 2	6dB BANDWIDTH	9kHz
CHANNEL	CH 50	TEST MODE	C

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.23594	0.14	42.87	29.85	43.01	29.99	62.24	52.24	-19.22	-22.24
2	0.34531	0.15	51.37	38.17	51.52	38.32	59.07	49.07	-7.55	-10.75
3	0.47813	0.16	40.93	25.58	41.09	25.74	56.37	46.37	-15.28	-20.63
4	0.62266	0.17	39.52	25.28	39.69	25.45	56.00	46.00	-16.31	-20.55
5	0.93906	0.19	37.55	24.16	37.74	24.35	56.00	46.00	-18.26	-21.65
6	5.07813	0.37	33.98	23.43	34.35	23.80	60.00	50.00	-25.65	-26.20

#### 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).



A D T

## 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.

If you have any comments, please feel free to contact us at the following:

**Linko EMC/RF Lab**

Tel: 886-2-26052180

Fax: 886-2-26051924

**Hsin Chu EMC/RF Lab**

Tel: 886-3-5935343

Fax: 886-3-5935342

**Hwa Ya EMC/RF/Safety/Telecom Lab**

Tel: 886-3-3183232

Fax: 886-3-3270892

**Email:** [service.adt@tw.bureauveritas.com](mailto:service.adt@tw.bureauveritas.com)

**Web Site:** [www.bureauveritas-adt.com](http://www.bureauveritas-adt.com)

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.

**--- END ---**